CLINTON CITY COUNCIL AGENDA

2267 N 1500 W Clinton, UT 84015

This meeting may be attended electronically by one or more members.

October 8, 2024

Click Here for **ZOOM** Meeting Link

Dial by your location

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

Meeting ID: 891 7487 5476 Pass Code: 012738

I. 6:00 P.M.

1. Call to Order
2. Pledge of Allegiance Gary Tyler
3. Invocation or Thought
4. Roll Call

II. PUBLIC INPUT

Any public member who wishes to address the Council shall, prior to the meeting, sign the "list to present" with the Clerk of the Council. They will be allowed up to three minutes to make their presentation. Please send requests to ltitensor@clintoncity.com or call 801-614-0700. According to the Utah State Code, the Council cannot act on items not advertised on the agenda.

III. BUSINESS

A. New Officer Oath of Office and Badge Pinning
B. Victim's Advocate Update
C. Weber Basin AMI Agreement
D. 1800 N Utility Betterment
E. 1800 N Drainage Agreement
F. 1800 N Landscape Betterment Agreement

IV. OTHER BUSINESS

a. Approval of Minutes: September 10, 2024, September 12, 2024 Special CC Meeting
b. Approval of Accounts Payable: September 2024
c. Planning Commission Report
d. City Manager's Report
e. Staff Reports
f. Council Reports on Areas of Responsibility
g. Mayor's Report
h. Action Item Review

V. ADJOURN

I, The City Recorder of Clinton City, certify that this agenda for the Clinton City Council has been properly noticed on the Utah Public Notice Website, the Clinton City Website and at Clinton City Hall.

Dated this 1st day of October, 2024
/s/Lisa Titensor, Clinton City Recorder

- ***A link to the meeting can be found either at the top of the agenda OR on the Clinton City Website, or Facebook at https://www.facebook.com/ClintonCityUT/***
- ***Supporting documentation for this agenda is posted on the Clinton City website at www.clintoncity.com and on the Utah Public Notice Website www.utah.gov/pmn***
- ***In compliance with the American with Disabilities Act, individuals needing special accommodation (including auxiliary communicative aids and service) during the meeting should notify Lisa Titensor, City Recorder, at (801) 614-0700 at least 24 hours prior to the meeting.***

- ***This meeting may involve electronic communications for some members of this public body. The anchor location for the meeting shall be the Clinton City Council Chambers at 2267 N 1500 W Clinton UT 84015. Elected Officials at remote locations may be connected to the meeting electronically to participate.***
- ***Notice is hereby given that by motion of the Clinton City Council, pursuant to Utah State Code Title 52, Chapter 4 sections 204 & 205, the City Council may vote to hold a closed session for any of the purposes identified in that Chapter.***
- ***The order of agenda items may change to accommodate the needs of the city council, staff and/or public.***

CLINTON CITY
COUNCIL AGENDA ITEM

SUBJECT: New Officer Oath of Office	**AGENDA ITEM: A**
PETITIONER: Police Chief Shawn Stoker	**MEETING DATE: October 8, 2024**
RECOMMENDATION: Listen to presentation.	**TYPE OF VOTE: None**

FISCAL IMPACT: None

BACKGROUND:

Officer Jerry Shepherd is ready to begin work in Clinton City as our newest officer. Chief Stoker will swear him in and conduct the badge pinning.

References / Attachments:

CLINTON CITY
COUNCIL AGENDA ITEM

SUBJECT: Clinton City Victim Advocate Update	**AGENDA ITEM: B**
PETITIONER: Shawn Stoker	**MEETING DATE:** October 8, 2024
RECOMMENDATION: Victim Advocate, Celeste Hopkins will present on the program.	**TYPE OF VOTE:** **N/A**

FISCAL IMPACT: Approved in the current budget

SUMMARY:

Clinton City has participated in the Victim Advocate Program for several years. Initially the program provided services to Clinton and Syracuse, Sunset is now also a participating City. The funding for this program consists of a VOCA (Victims Of Crime Assistance) Grant, with the remainder of wages being paid by the three cities based on percentage of services provided; Syracuse being the primary employer. Celeste Hopkins has served as the Victim Advocate for 5 years and is doing a great job. Our program continues to evolve as community demands increase. This position provides valuable services to members of our community, often when needed most in a space that has historically been underserved. I recommend we continue forward with the current contract in providing Victim Advocate services to the citizens of Clinton City.

ATTACHMENTS:

Clinton, Syracuse, & Sunset City Victim Service Program

Clinton City Council Meeting

Celeste Hopkins- Victims' Advocate

801-643-8131

chopkins@syracuseut.gov

Stats Comparison FY23 & FY24

	COMBINED	SYRACUSE	CLINTON	SUNSET
FY23	320	117	118	80
FY24	380	168	136	72

Current Stats for FY25

	COMBINED	SYRACUSE	CLINTON	SUNSET
FY25	127	53	53	21

Program Improvements

- Victims are not notified of declinations by police departments/courts
- Notifying victims of when cases are declined.
  - Keeping track of screening cases on a excel spreadsheet
  - Check police reports periodically for updates on cases
  - Victims are notified of reasoning of declination via mail
    - Includes our program’s brochure and business card
- Added new resources to our program’s list

Victim Service Folders

- Victim Service folders have been translated to Spanish. Includes:
  - A personalized safety plan
  - A misdemeanor “map” showing the court procedure

Asian Association of Utah

- Refugee & Immigrant Center- Located in Salt Lake City
- Human Trafficking- Labor & Sex
- Interpreting and translation services to assist refugees and immigrants to accessing services in their own language
- Behavioral health- outpatient mental health service, substance abuse, DV services, individualized case management, etc..
- Housing and employment guidance

Safe at Home
Utah's Address Confidentiality Program

- Certified to assist victims/survivors in applying for Safe at Home Program
  - 4-year program
- Overview: "Available to survivors of abuse, child abuse, domestic violence, stalking, human trafficking, and sexual assault who are afraid that they will be in physical danger if their perpetrator knows where they live."
- Program provides a substitute address and mail forwarding for survivors
- Under Utah law, all state and local government agencies must accept a program participant's substitute address
- Enhances safety plans for survivors

MATERNITY LEAVE PLAN

- Our friendly neighboring advocates are willing to provide assistance in emergency situations
  - Davis Sheriff Departments Victim Coordinator, Danielle Rodriguez and Victim Advocate, Alicia Fischer.
  - Clearfield City's Victim Coordinator- Teresa Allen
- Each city would need to take responsibility for their cases
- Safe Harbor Crisis Center: Non- profit Organization located in Layton City
- Back to work first or second week of January 2025.

Links

- Asian Association- https://aau-slc.org/
- Safe at Home Program- https://safeathome.utah.gov/
  - Utah Code: https://le.utah.gov/xcode/Title77/Chapter38/77-38-P6.html

Clinton City's Council Meeting

Victim Service Program

Statistics

Celeste Hopkins

October 8th, 2024

Syracuse, Clinton and Sunset Victim Services
1751 s 2000 w
Syracuse, UT 84075
801-614-9673

X

Date/Time Generated:

10/2/24, 2:29 PM

Client Services Report
Prepared by : Celeste Hopkins
For Jul 1, 2024 to Sep 30, 2024

↻

Required by VOCA

	All Clients	Clients of Crime
Number of clients served excluding anonymous	127	126
Number of anonymous clients	0	0
Number of new clients served this period (Fiscal Year Begins 7/1)	127	126

	Total Clients Served	**New Clients Served (Fiscal Year Begins 7/1)**	**Total Clients of Crime**	**New Clients of Crime Served (Fiscal Year Begins 7/1)**
Race				
American Indian/Alaska Native	0	0	0	0
Asian	2	2	2	2
Black/African American	3	3	3	3
Hispanic or Latino	20	20	20	20
Native Hawaiian and Other Pacific Islander	2	2	2	2
White Non-Latino/Caucasian	79	79	78	78
Some Other Race	0	0	0	0
Multiples Races	0	0	0	0
Not Reported	21	21	21	21

Not Tracked	0	0	0	0
Total	**127**	**127**	**126**	**126**
Gender				
Male	35	35	34	34
Female	89	89	89	89
Other	0	0	0	0
Not Reported	3	3	3	3
Not Tracked	0	0	0	0
Total	**127**	**127**	**126**	**126**
Age				
0-12	2	2	2	2
13-17	4	4	4	4
18-24	24	24	24	24
25-59	90	90	89	89
60 and older	7	7	7	7
Not Reported	0	0	0	0
Total	**127**	**127**	**126**	**126**

	Total Victimizations Served	**Total New Victimizations Served**
Crime / Victimizations		
Criminal Victimizations		
Adult Physical Assault	12	12
Adult Sexual Assault	4	4
Adults Sexually Abused/Assaulted as Children	1	1
Arson	0	0
Bullying	0	0
Burglary	0	0
Child Physical Abuse or Neglect	6	6
Child Pornography	0	0
Child Sexual Abuse/Assault	0	0
Domestic and/or Family Violence	90	90
DUI/DWI Incidents	0	0
Elder Abuse or Neglect	0	0
Hate Crime	0	0
Human Trafficking: Labor	2	2
Human Trafficking: Sex	0	0
Identity Theft/Fraud/Financial Crime	0	0
Kidnapping (non-custodial)	0	0

Kidnapping (custodial)	0	0		
Mass Violence (Domestic/International)	0	0		
Other Vehicular Victimization	4	4		
Robbery	0	0		
Stalking/Harassment	19	19		
Survivors of Homicide Victims	0	0		
Teen Dating Victimization	0	0		
Terrorism (Domestic/International)	0	0		
Violation of a Court (Protective) Order	6	6		
Propelling a Bodily Substance	0	0		
Theft	0	0		
TRESPASSING	0	0		
SUICIDE FAMILY VICTIMS	0	0		
Criminal Mischief	0	0		
Criminal Mischief-DV	0	0		
All Criminal Victimizations	**144**	**144**		
Non-Criminal Victimizations				
All Noncriminal Victimizations	**144**	**144**		
All Victimizations Total	**144**	**144**		
Number with more than one Victimization	17		17	

	Total Clients Served	New Clients Served (Fiscal Year Begins 7/1)	Total Clients of Crime	New Clients of Crime Served (Fiscal Year Begins 7/1)
Special Classifications				
Deaf/Hard of Hearing	0	0	0	0
Homeless	0	0	0	0
Immigrants/Refugees/Asylum Seekers	2	2	2	2
LGBTQ	0	0	0	0
Veterans	0	0	0	0
Victims with Disabilities: Cognitive/Physical/Mental	0	0	0	0
Victims with Limited English Proficiency	1	1	1	1
Total	**3**	**3**	**3**	**3**
Number with more than one Special Classification	0		0	

Number helped with Victim Comp Application	**6**	**6**	**6**	**6**
a: Information & Referral (# Clients)	117	117	116	116
Information about the criminal justice process	176	176	175	175
Information about victim rights, how to obtain notifications, etc.	196	196	195	195
Referral to other victim service programs	65	65	65	65
Referral to other services, supports, and resources	71	71	71	71
Total Services Provided	**508**	**508**	**506**	**506**
b: Personal Advocacy/Accompaniment (# Clients)	81	81	81	81
Victim advocacy/accompaniment to emergency medical care	0	0	0	0
Victim advocacy/accompaniment to medical forensic exam	0	0	0	0
Law enforcement interview advocacy/accompaniment	0	0	0	0
Individual advocacy	180	180	180	180
Performance of medical forensic exam or interview, or medical evidence collection	0	0	0	0
Immigration assistance	0	0	0	0
Intervention with employer, creditor, landlord, or academic institution	0	0	0	0
Child or dependent care assistance (provided by agency)	0	0	0	0
Transportation assistance (provided by agency)	0	0	0	0
Interpreter services	0	0	0	0
Total Services Provided	**180**	**180**	**180**	**180**
c: Emotional Support or Safety Services (# Clients)	60	60	60	60
Crisis intervention (in-person, includes safety planning, etc.)	101	101	101	101
Hotline/crisis line counseling	0	0	0	0
On-scene crisis response (e.g., community crisis response)	0	0	0	0
Individual counseling	0	0	0	0
Support groups (facilitated or peer)	0	0	0	0
Other therapy	0	0	0	0

Emergency financial assistance	0	0	0	0
Total Services Provided	**101**	**101**	**101**	**101**
d: Shelter/Housing Services (# Clients)	3	3	3	3
Emergency shelter or safe house	3	3	3	3
Transitional housing	0	0	0	0
Relocation assistance	3	3	3	3
Total Services Provided	**6**	**6**	**6**	**6**
e: Criminal/Civil Justice System Assistance (# Clients)	97	97	97	97
Notification of criminal justice events	140	140	140	140
Victim impact statement assistance	39	39	39	39
Assistance with restitution	10	10	10	10
Civil legal attorney assistance in obtaining protection or restraining order	71	71	71	71
Civil legal attorney assistance with family law issues	0	0	0	0
Other emergency justice-related assistance	0	0	0	0
Immigration attorney assistance	0	0	0	0
Prosecution interview advocacy/accompaniment	104	104	104	104
Law enforcement interview advocacy/accompaniment	38	38	38	38
Criminal advocacy/accompaniment	3	3	3	3
Other legal advice and/or counsel	0	0	0	0
Total Services Provided	**405**	**405**	**405**	**405**
f: Other Services (# Clients)	7	7	7	7
Assistance with completing a victim compensation application	6	6	6	6
Survey	0	0	0	0
Assistance/info with Victim Impact Statement	0	0	0	0
Survey	0	0	0	0
Protective Orders (civil) info/assistnace	0	0	0	0
CVR Information and Assistance	1	1	1	1
Police Officer Communications regarding victims of crime	2	2	2	2
Total Services Provided	**9**	**9**	**9**	**9**
Other Statistics				
True Age				
0-6	0	0	0	0

7-12	2	2	2	2
13-17	4	4	4	4
18-29	37	37	37	37
30-44	53	53	52	52
45-59	24	24	24	24
60-64	0	0	0	0
65 and older	7	7	7	7
Not Reported	0	0	0	0
Total	**127**	**127**	**126**	**126**

Number of new primary clients since October 1st	87		86	
Primary	127		126	
Secondary	0		0	
Witness	0		0	
Other	0		0	
Number New Deceased Clients	0		0	

	Total Clients Served	**New Clients Served (Fiscal Year Begins 7/1)**	**Total Clients of Crime**	**New Clients of Crime Served (Fiscal Year Begins 7/1)**

Syracuse, Clinton and Sunset Victim Services
1751 s 2000 w
Syracuse, UT 84075
801-614-9673

X

Date/Time Generated:

10/2/24, 2:33 PM

Client Services Report by Agency Clinton City
Prepared by : Celeste Hopkins
For Jul 1, 2024 to Sep 30, 2024

↻

Required by VOCA

	All Clients	Clients of Crime
Number of clients served excluding anonymous	53	52
Number of anonymous clients	0	0
Number of new clients served this period (Fiscal Year Begins 7/1)	53	52

	Total Clients Served	New Clients Served (Fiscal Year Begins 7/1)	Total Clients of Crime	New Clients of Crime Served (Fiscal Year Begins 7/1)
Race				
American Indian/Alaska Native	0	0	0	0
Asian	1	1	1	1
Black/African American	1	1	1	1
Hispanic or Latino	8	8	8	8
Native Hawaiian and Other Pacific Islander	0	0	0	0
White Non-Latino/Caucasian	34	34	33	33
Some Other Race	0	0	0	0
Multiples Races	0	0	0	0
Not Reported	9	9	9	9
Not Tracked	0	0	0	0
Total	**53**	**53**	**52**	**52**
Gender				
Male	18	18	17	17
Female	32	32	32	32

Other	0	0	0	0
Not Reported	3	3	3	3
Not Tracked	0	0	0	0
Total	**53**	**53**	**52**	**52**

Age				
0-12	2	2	2	2
13-17	1	1	1	1
18-24	7	7	7	7
25-59	43	43	42	42
60 and older	0	0	0	0
Not Reported	0	0	0	0
Total	**53**	**53**	**52**	**52**

	Total Victimizations Served	**Total New Victimizations Served**
Crime / Victimizations		
Criminal Victimizations		
Adult Physical Assault	7	7
Adult Sexual Assault	3	3
Adults Sexually Abused/Assaulted as Children	0	0
Arson	0	0
Bullying	0	0
Burglary	0	0
Child Physical Abuse or Neglect	3	3
Child Pornography	0	0
Child Sexual Abuse/Assault	0	0
Domestic and/or Family Violence	37	37
DUI/DWI Incidents	0	0
Elder Abuse or Neglect	0	0
Hate Crime	0	0
Human Trafficking: Labor	2	2
Human Trafficking: Sex	0	0
Identity Theft/Fraud/Financial Crime	0	0
Kidnapping (non-custodial)	0	0
Kidnapping (custodial)	0	0
Mass Violence (Domestic/International)	0	0
Other Vehicular Victimization	0	0
Robbery	0	0
Stalking/Harassment	5	5
Survivors of Homicide Victims	0	0
Teen Dating Victimization	0	0
Terrorism (Domestic/International)	0	0
Violation of a Court (Protective) Order	4	4
Propelling a Bodily Substance	0	0
Theft	0	0
TRESPASSING	0	0

SUICIDE FAMILY VICTIMS	0	0		
Criminal Mischief	0	0		
Criminal Mischief-DV	0	0		
All Criminal Victimizations	**61**	**61**		
Non-Criminal Victimizations				
All Noncriminal Victimizations	**61**	**61**		
All Victimizations Total	**61**	**61**		
Number with more than one Victimization	8		8	

	Total Clients Served	**New Clients Served (Fiscal Year Begins 7/1)**	**Total Clients of Crime**	**New Clients of Crime Served (Fiscal Year Begins 7/1)**
Special Classifications				
Deaf/Hard of Hearing	0	0	0	0
Homeless	0	0	0	0
Immigrants/Refugees/Asylum Seekers	2	2	2	2
LGBTQ	0	0	0	0
Veterans	0	0	0	0
Victims with Disabilities: Cognitive/Physical/Mental	0	0	0	0
Victims with Limited English Proficiency	1	1	1	1
Total	**3**	**3**	**3**	**3**
Number with more than one Special Classification	0		0	
Number helped with Victim Comp Application	**1**	**1**	**1**	**1**
a: Information & Referral (# Clients)	49	49	48	48
Information about the criminal justice process	67	67	66	66
Information about victim rights, how to obtain notifications, etc.	74	74	73	73
Referral to other victim service programs	29	29	29	29
Referral to other services, supports, and resources	27	27	27	27
Total Services Provided	**197**	**197**	**195**	**195**
b: Personal Advocacy/Accompaniment (# Clients)	28	28	28	28
Victim advocacy/accompaniment to emergency medical care	0	0	0	0

Victim advocacy/accompaniment to medical forensic exam	0	0	0	0
Law enforcement interview advocacy/accompaniment	0	0	0	0
Individual advocacy	62	62	62	62
Performance of medical forensic exam or interview, or medical evidence collection	0	0	0	0
Immigration assistance	0	0	0	0
Intervention with employer, creditor, landlord, or academic institution	0	0	0	0
Child or dependent care assistance (provided by agency)	0	0	0	0
Transportation assistance (provided by agency)	0	0	0	0
Interpreter services	0	0	0	0
Total Services Provided	**62**	**62**	**62**	**62**
c: Emotional Support or Safety Services (# Clients)	24	24	24	24
Crisis intervention (in-person, includes safety planning, etc.)	37	37	37	37
Hotline/crisis line counseling	0	0	0	0
On-scene crisis response (e.g., community crisis response)	0	0	0	0
Individual counseling	0	0	0	0
Support groups (facilitated or peer)	0	0	0	0
Other therapy	0	0	0	0
Emergency financial assistance	0	0	0	0
Total Services Provided	**37**	**37**	**37**	**37**
d: Shelter/Housing Services (# Clients)	3	3	3	3
Emergency shelter or safe house	3	3	3	3
Transitional housing	0	0	0	0
Relocation assistance	3	3	3	3
Total Services Provided	**6**	**6**	**6**	**6**
e: Criminal/Civil Justice System Assistance (# Clients)	39	39	39	39
Notification of criminal justice events	52	52	52	52
Victim impact statement assistance	13	13	13	13
Assistance with restitution	5	5	5	5
Civil legal attorney assistance in obtaining protection or restraining order	25	25	25	25
Civil legal attorney assistance with family law issues	0	0	0	0
Other emergency justice-related assistance	0	0	0	0
Immigration attorney assistance	0	0	0	0
Prosecution interview advocacy/accompaniment	27	27	27	27
Law enforcement interview advocacy/accompaniment	15	15	15	15
Criminal advocacy/accompaniment	3	3	3	3

Other legal advice and/or counsel	0	0	0	0
Total Services Provided	**140**	**140**	**140**	**140**
f: Other Services (# Clients)	2	2	2	2
Assistance with completing a victim compensation application	1	1	1	1
Survey	0	0	0	0
Assistance/info with Victim Impact Statement	0	0	0	0
Survey	0	0	0	0
Protective Orders (civil) info/assistnace	0	0	0	0
CVR Information and Assistance	0	0	0	0
Police Officer Communications regarding victims of crime	2	2	2	2
Total Services Provided	**3**	**3**	**3**	**3**
Other Statistics				
True Age				
0-6	0	0	0	0
7-12	2	2	2	2
13-17	1	1	1	1
18-29	16	16	16	16
30-44	27	27	26	26
45-59	7	7	7	7
60-64	0	0	0	0
65 and older	0	0	0	0
Not Reported	0	0	0	0
Total	**53**	**53**	**52**	**52**
Number of new primary clients since October 1st	35		34	
Primary	53		52	
Secondary	0		0	
Witness	0		0	
Other	0		0	
Number New Deceased Clients	0		0	
	Total Clients Served	**New Clients Served (Fiscal Year Begins 7/1)**	**Total Clients of Crime**	**New Clients of Crime Served (Fiscal Year Begins 7/1)**

Syracuse, Clinton and Sunset Victim Services
1751 s 2000 w
Syracuse, UT 84075
801-614-9673

X

Date/Time Generated:

10/2/24, 2:36 PM

Client Services Report by Agency Syracuse City
Prepared by : Celeste Hopkins
For Jul 1, 2024 to Sep 30, 2024

↻

Required by VOCA

	All Clients	Clients of Crime
Number of clients served excluding anonymous	53	53
Number of anonymous clients	0	0
Number of new clients served this period (Fiscal Year Begins 7/1)	53	53

	Total Clients Served	New Clients Served (Fiscal Year Begins 7/1)	Total Clients of Crime	New Clients of Crime Served (Fiscal Year Begins 7/1)
Race				
American Indian/Alaska Native	0	0	0	0
Asian	1	1	1	1
Black/African American	1	1	1	1
Hispanic or Latino	9	9	9	9
Native Hawaiian and Other Pacific Islander	2	2	2	2
White Non-Latino/Caucasian	38	38	38	38
Some Other Race	0	0	0	0
Multiples Races	0	0	0	0
Not Reported	2	2	2	2
Not Tracked	0	0	0	0
Total	**53**	**53**	**53**	**53**
Gender				
Male	10	10	10	10
Female	43	43	43	43

Other	0	0	0	0
Not Reported	0	0	0	0
Not Tracked	0	0	0	0
Total	**53**	**53**	**53**	**53**
Age				
0-12	0	0	0	0
13-17	3	3	3	3
18-24	14	14	14	14
25-59	32	32	32	32
60 and older	4	4	4	4
Not Reported	0	0	0	0
Total	**53**	**53**	**53**	**53**

	Total Victimizations Served	**Total New Victimizations Served**
Crime / Victimizations		
Criminal Victimizations		
Adult Physical Assault	1	1
Adult Sexual Assault	1	1
Adults Sexually Abused/Assaulted as Children	0	0
Arson	0	0
Bullying	0	0
Burglary	0	0
Child Physical Abuse or Neglect	3	3
Child Pornography	0	0
Child Sexual Abuse/Assault	0	0
Domestic and/or Family Violence	42	42
DUI/DWI Incidents	0	0
Elder Abuse or Neglect	0	0
Hate Crime	0	0
Human Trafficking: Labor	0	0
Human Trafficking: Sex	0	0
Identity Theft/Fraud/Financial Crime	0	0
Kidnapping (non-custodial)	0	0
Kidnapping (custodial)	0	0
Mass Violence (Domestic/International)	0	0
Other Vehicular Victimization	4	4
Robbery	0	0
Stalking/Harassment	9	9
Survivors of Homicide Victims	0	0
Teen Dating Victimization	0	0
Terrorism (Domestic/International)	0	0
Violation of a Court (Protective) Order	2	2
Propelling a Bodily Substance	0	0
Theft	0	0
TRESPASSING	0	0

SUICIDE FAMILY VICTIMS	0	0		
Criminal Mischief	0	0		
Criminal Mischief-DV	0	0		
All Criminal Victimizations	**62**	**62**		
Non-Criminal Victimizations				
All Noncriminal Victimizations	**62**	**62**		
All Victimizations Total	**62**	**62**		
Number with more than one Victimization	9		9	

	Total Clients Served	**New Clients Served (Fiscal Year Begins 7/1)**	**Total Clients of Crime**	**New Clients of Crime Served (Fiscal Year Begins 7/1)**
Special Classifications				
Deaf/Hard of Hearing	0	0	0	0
Homeless	0	0	0	0
Immigrants/Refugees/Asylum Seekers	0	0	0	0
LGBTQ	0	0	0	0
Veterans	0	0	0	0
Victims with Disabilities: Cognitive/Physical/Mental	0	0	0	0
Victims with Limited English Proficiency	0	0	0	0
Total	**0**	**0**	**0**	**0**
Number with more than one Special Classification	0		0	
Number helped with Victim Comp Application	**4**	**4**	**4**	**4**
a: Information & Referral (# Clients)	50	50	50	50
Information about the criminal justice process	91	91	91	91
Information about victim rights, how to obtain notifications, etc.	102	102	102	102
Referral to other victim service programs	28	28	28	28
Referral to other services, supports, and resources	35	35	35	35
Total Services Provided	**256**	**256**	**256**	**256**
b: Personal Advocacy/Accompaniment (# Clients)	41	41	41	41
Victim advocacy/accompaniment to emergency medical care	0	0	0	0

Victim advocacy/accompaniment to medical forensic exam	0	0	0	0
Law enforcement interview advocacy/accompaniment	0	0	0	0
Individual advocacy	104	104	104	104
Performance of medical forensic exam or interview, or medical evidence collection	0	0	0	0
Immigration assistance	0	0	0	0
Intervention with employer, creditor, landlord, or academic institution	0	0	0	0
Child or dependent care assistance (provided by agency)	0	0	0	0
Transportation assistance (provided by agency)	0	0	0	0
Interpreter services	0	0	0	0
Total Services Provided	**104**	**104**	**104**	**104**
c: Emotional Support or Safety Services (# Clients)	28	28	28	28
Crisis intervention (in-person, includes safety planning, etc.)	55	55	55	55
Hotline/crisis line counseling	0	0	0	0
On-scene crisis response (e.g., community crisis response)	0	0	0	0
Individual counseling	0	0	0	0
Support groups (facilitated or peer)	0	0	0	0
Other therapy	0	0	0	0
Emergency financial assistance	0	0	0	0
Total Services Provided	**55**	**55**	**55**	**55**
d: Shelter/Housing Services (# Clients)	0	0	0	0
Emergency shelter or safe house	0	0	0	0
Transitional housing	0	0	0	0
Relocation assistance	0	0	0	0
Total Services Provided	**0**	**0**	**0**	**0**
e: Criminal/Civil Justice System Assistance (# Clients)	43	43	43	43
Notification of criminal justice events	76	76	76	76
Victim impact statement assistance	21	21	21	21
Assistance with restitution	4	4	4	4
Civil legal attorney assistance in obtaining protection or restraining order	43	43	43	43
Civil legal attorney assistance with family law issues	0	0	0	0
Other emergency justice-related assistance	0	0	0	0
Immigration attorney assistance	0	0	0	0
Prosecution interview advocacy/accompaniment	70	70	70	70
Law enforcement interview advocacy/accompaniment	20	20	20	20
Criminal advocacy/accompaniment	0	0	0	0

Other legal advice and/or counsel	0	0	0	0
Total Services Provided	**234**	**234**	**234**	**234**
f: Other Services (# Clients)	4	4	4	4
Assistance with completing a victim compensation application	4	4	4	4
Survey	0	0	0	0
Assistance/info with Victim Impact Statement	0	0	0	0
Survey	0	0	0	0
Protective Orders (civil) info/assistnace	0	0	0	0
CVR Information and Assistance	1	1	1	1
Police Officer Communications regarding victims of crime	0	0	0	0
Total Services Provided	**5**	**5**	**5**	**5**
Other Statistics				
True Age				
0-6	0	0	0	0
7-12	0	0	0	0
13-17	3	3	3	3
18-29	16	16	16	16
30-44	19	19	19	19
45-59	11	11	11	11
60-64	0	0	0	0
65 and older	4	4	4	4
Not Reported	0	0	0	0
Total	**53**	**53**	**53**	**53**
Number of new primary clients since October 1st	38		38	
Primary	53		53	
Secondary	0		0	
Witness	0		0	
Other	0		0	
Number New Deceased Clients	0		0	
	Total Clients Served	**New Clients Served (Fiscal Year Begins 7/1)**	**Total Clients of Crime**	**New Clients of Crime Served (Fiscal Year Begins 7/1)**

Syracuse, Clinton and Sunset Victim Services
1751 s 2000 w
Syracuse, UT 84075
801-614-9673

X

Date/Time Generated:

10/2/24, 2:35 PM

Client Services Report by Agency Sunset City
Prepared by : Celeste Hopkins
For Jul 1, 2024 to Sep 30, 2024

↻

Required by VOCA

	All Clients	Clients of Crime
Number of clients served excluding anonymous	21	21
Number of anonymous clients	0	0
Number of new clients served this period (Fiscal Year Begins 7/1)	21	21

	Total Clients Served	New Clients Served (Fiscal Year Begins 7/1)	Total Clients of Crime	New Clients of Crime Served (Fiscal Year Begins 7/1)
Race				
American Indian/Alaska Native	0	0	0	0
Asian	0	0	0	0
Black/African American	1	1	1	1
Hispanic or Latino	3	3	3	3
Native Hawaiian and Other Pacific Islander	0	0	0	0
White Non-Latino/Caucasian	7	7	7	7
Some Other Race	0	0	0	0
Multiples Races	0	0	0	0
Not Reported	10	10	10	10
Not Tracked	0	0	0	0
Total	**21**	**21**	**21**	**21**
Gender				
Male	7	7	7	7
Female	14	14	14	14

Other	0	0	0	0
Not Reported	0	0	0	0
Not Tracked	0	0	0	0
Total	**21**	**21**	**21**	**21**
Age				
0-12	0	0	0	0
13-17	0	0	0	0
18-24	3	3	3	3
25-59	15	15	15	15
60 and older	3	3	3	3
Not Reported	0	0	0	0
Total	**21**	**21**	**21**	**21**

	Total Victimizations Served	**Total New Victimizations Served**
Crime / Victimizations		
Criminal Victimizations		
Adult Physical Assault	3	3
Adult Sexual Assault	0	0
Adults Sexually Abused/Assaulted as Children	1	1
Arson	0	0
Bullying	0	0
Burglary	0	0
Child Physical Abuse or Neglect	0	0
Child Pornography	0	0
Child Sexual Abuse/Assault	0	0
Domestic and/or Family Violence	12	12
DUI/DWI Incidents	0	0
Elder Abuse or Neglect	0	0
Hate Crime	0	0
Human Trafficking: Labor	0	0
Human Trafficking: Sex	0	0
Identity Theft/Fraud/Financial Crime	0	0
Kidnapping (non-custodial)	0	0
Kidnapping (custodial)	0	0
Mass Violence (Domestic/International)	0	0
Other Vehicular Victimization	0	0
Robbery	0	0
Stalking/Harassment	5	5
Survivors of Homicide Victims	0	0
Teen Dating Victimization	0	0
Terrorism (Domestic/International)	0	0
Violation of a Court (Protective) Order	0	0
Propelling a Bodily Substance	0	0
Theft	0	0
TRESPASSING	0	0

SUICIDE FAMILY VICTIMS	0	0		
Criminal Mischief	0	0		
Criminal Mischief-DV	0	0		
All Criminal Victimizations	**21**	**21**		
Non-Criminal Victimizations				
All Noncriminal Victimizations	**21**	**21**		
All Victimizations Total	**21**	**21**		
Number with more than one Victimization	0		0	

	Total Clients Served	New Clients Served (Fiscal Year Begins 7/1)	Total Clients of Crime	New Clients of Crime Served (Fiscal Year Begins 7/1)
Special Classifications				
Deaf/Hard of Hearing	0	0	0	0
Homeless	0	0	0	0
Immigrants/Refugees/Asylum Seekers	0	0	0	0
LGBTQ	0	0	0	0
Veterans	0	0	0	0
Victims with Disabilities: Cognitive/Physical/Mental	0	0	0	0
Victims with Limited English Proficiency	0	0	0	0
Total	**0**	**0**	**0**	**0**
Number with more than one Special Classification	0		0	
Number helped with Victim Comp Application	**1**	**1**	**1**	**1**
a: Information & Referral (# Clients)	18	18	18	18
Information about the criminal justice process	17	17	17	17
Information about victim rights, how to obtain notifications, etc.	20	20	20	20
Referral to other victim service programs	7	7	7	7
Referral to other services, supports, and resources	8	8	8	8
Total Services Provided	**52**	**52**	**52**	**52**
b: Personal Advocacy/Accompaniment (# Clients)	12	12	12	12
Victim advocacy/accompaniment to emergency medical care	0	0	0	0

Victim advocacy/accompaniment to medical forensic exam	0	0	0	0
Law enforcement interview advocacy/accompaniment	0	0	0	0
Individual advocacy	14	14	14	14
Performance of medical forensic exam or interview, or medical evidence collection	0	0	0	0
Immigration assistance	0	0	0	0
Intervention with employer, creditor, landlord, or academic institution	0	0	0	0
Child or dependent care assistance (provided by agency)	0	0	0	0
Transportation assistance (provided by agency)	0	0	0	0
Interpreter services	0	0	0	0
Total Services Provided	**14**	**14**	**14**	**14**
c: Emotional Support or Safety Services (# Clients)	8	8	8	8
Crisis intervention (in-person, includes safety planning, etc.)	9	9	9	9
Hotline/crisis line counseling	0	0	0	0
On-scene crisis response (e.g., community crisis response)	0	0	0	0
Individual counseling	0	0	0	0
Support groups (facilitated or peer)	0	0	0	0
Other therapy	0	0	0	0
Emergency financial assistance	0	0	0	0
Total Services Provided	**9**	**9**	**9**	**9**
d: Shelter/Housing Services (# Clients)	0	0	0	0
Emergency shelter or safe house	0	0	0	0
Transitional housing	0	0	0	0
Relocation assistance	0	0	0	0
Total Services Provided	**0**	**0**	**0**	**0**
e: Criminal/Civil Justice System Assistance (# Clients)	15	15	15	15
Notification of criminal justice events	12	12	12	12
Victim impact statement assistance	5	5	5	5
Assistance with restitution	1	1	1	1
Civil legal attorney assistance in obtaining protection or restraining order	3	3	3	3
Civil legal attorney assistance with family law issues	0	0	0	0
Other emergency justice-related assistance	0	0	0	0
Immigration attorney assistance	0	0	0	0
Prosecution interview advocacy/accompaniment	7	7	7	7
Law enforcement interview advocacy/accompaniment	3	3	3	3
Criminal advocacy/accompaniment	0	0	0	0

Other legal advice and/or counsel	0	0	0	0
Total Services Provided	**31**	**31**	**31**	**31**
f: Other Services (# Clients)	1	1	1	1
Assistance with completing a victim compensation application	1	1	1	1
Survey	0	0	0	0
Assistance/info with Victim Impact Statement	0	0	0	0
Survey	0	0	0	0
Protective Orders (civil) info/assistnace	0	0	0	0
CVR Information and Assistance	0	0	0	0
Police Officer Communications regarding victims of crime	0	0	0	0
Total Services Provided	**1**	**1**	**1**	**1**
Other Statistics				
True Age				
0-6	0	0	0	0
7-12	0	0	0	0
13-17	0	0	0	0
18-29	5	5	5	5
30-44	7	7	7	7
45-59	6	6	6	6
60-64	0	0	0	0
65 and older	3	3	3	3
Not Reported	0	0	0	0
Total	**21**	**21**	**21**	**21**
Number of new primary clients since October 1st	14		14	
Primary	21		21	
Secondary	0		0	
Witness	0		0	
Other	0		0	
Number New Deceased Clients	0		0	
	Total Clients Served	**New Clients Served (Fiscal Year Begins 7/1)**	**Total Clients of Crime**	**New Clients of Crime Served (Fiscal Year Begins 7/1)**

CLINTON CITY
COUNCIL AGENDA ITEM

SUBJECT: Weber Basin/Davis Weber Canal Company AMI (Advanced Metering Infrastructure)	**AGENDA ITEM:** C
PETITIONER: David Williams, Bryce Wilcox	**MEETING DATE:** October 8, 2024
RECOMMENDATION: That Council enter into this agreement between Weber Basin and Davis Weber Canal which provides means and services to read Clinton Cities radio read meters and a portal that customers can see and track their usage of both culinary and secondary water.	**ROLL CALL VOTE:**

FISCAL IMPACT:

BACKGROUND: The city recently received a grant from the State to create an online customer portal where residents would be able to monitor their culinary and secondary water usage. This is an effort to conserve water by allowing residents to know the amount of water they are using in near real time. The State awarded us the grant and recommended that we use a consultant that they had been working with. Unfortunately, that consultant went out of business without finishing the project. The State has been trying to assist us in finding a new solution and has been flexible with the grant requirements, although they will still require us to produce a customer portal to fulfill the objective of the grant. Staff reached out to the Weber Basin Water Conservancy District, who currently has a customer portal, for assistance and found out that they are willing to let us use their portal for a nominal cost. This seems to be the best path forward.

The agreement also allows us to utilize Weber Basins meter reading network. Currently Weber Basin has radio towers all around their service area which includes Clinton City. Radio towers cost approximately $125,000.00 each. The software for reading and compiling the meter reads also has a large initial cost and yearly maintenance fees.

Services Provided by Weber Basin:

1. **Customer Portal Setup and Maintenance:** Installation, configuration, and ongoing maintenance of the Customer Portal, including SSL certificates, cloud hosting, and web application firewall.
2. **Programming Services:** Updates and maintenance of the portal's software, including security and compatibility improvements.
3. **Automated Metering Infrastructure (AMI) Access:** Provision of access to the AMI network and support for the Customer Entities' metering equipment.
4. **Data Reporting:** Monthly meter read data and reports.
5. **Administrative Access:** Administrative login for Customer Entities to manage and view customer data within the portal.

An agreement has been prepared that outlines the service that would be provided by Weber Basin and the costs that would be incurred by the City and other entities. This will be a two-party agreement including the Davis and Weber Canal Co., and Clinton City. Each entity provides water to residents in the City and will be providing data to Weber Basin to be included on the customer portal. The greatest opportunity for water conservation is with the outdoor secondary water system. The Davis and Weber Canal Co. (DWCCC) has been installing meters on the secondary water system that are connected to Weber Basin's AMI system which allows the meter data to be uploaded to the customer portal in near real time. This is very important to give frequent updates on secondary water usage so that residents can make timely adjustments. As radio's are installed on our culinary meters, residents will also be able to have frequent updates on their use. Until a radio is installed they will only be able to see monthly usage.

The costs to use the Customer Portal will be $5,500 annually and will be split as follows: 50% Clinton City and 50% DWCCC. We have approximately $20,000 in grant funds that will cover the costs of all the entities for the first few years of the program. After that the City will be responsible for $2,750 annually. Additionally a pro rata share of the number of meters connected to the AMI network is approximately $0.14 a month or $1.70 a year per meter.

As the city transitions to reading water meters by radio this will be a great benefit and cost savings to the city also a great tool in helping with water conservation. This is also a great joint effort in water systems working together and sharing resources.

ATTACHMENTS: Agreement

AGREEMENT FOR METERING TECHNOLOGY SUPPORT SERVICES

BETWEEN

WEBER BASIN WATER CONSERVANCY DISTRICT

AND

CLINTON CITY

AND

DAVIS AND WEBER COUNTIES CANAL COMPANY

This Agreement, made and entered into this ___ day of ________, 2024, by and between **WEBER BASIN WATER CONSERVANCY DISTRICT**, a water conservancy district organized under the laws of the State of Utah (hereinafter referred to as the "District"), and **CLINTON CITY**, a municipal corporation (hereinafter referred to as the "City", and **DAVIS AND WEBER COUNTIES CANAL COMPANY**, a mutual irrigation company (hereinafter referred to as the "DWCCC". The District, City, and DWCCC may be referred to herein collectively as the "Parties" or individually as a "Party," all as governed by the context in which such words are used. The entities not including the District may be referred to as "the Customer Entities". Parties shall be allowed to cancel this Agreement at any time per the terms identified herein. Renewal of this Agreement upon completion of the applicable term shall be allowed per the terms identified herein.

WITNESSETH:

WHEREAS, the District has developed a proprietary software designed to facilitate engagement between the District and metered culinary and secondary water users (the "Customer Portal"); and

WHEREAS, the District is able to provide partial utilization of the Customer Portal by third parties to enhance their ability to communicate with certain metered culinary and secondary water users; and

WHEREAS, the Customer Entities desire to enhance their metered culinary and secondary customers' understanding of aspects of their water usage, enhance their customer-provider relationship, and promote water conservation within its service area; and

WHEREAS, the Customer Entities desire to utilize the Customer Portal to accomplish the above stated goals and to obtain information technology support services from the District in connection with their ongoing culinary and secondary water metering effort; and

WHEREAS, the District is able and willing to allow the Customer Entities the use of the Customer Portal (as outlined below) in order to assist them with these needs and to support the ongoing effort of culinary and secondary water metering within the District's service area; and

WHEREAS, the District and the Customer Entities desire to enter into this Agreement for metering technology and support services to assist in meeting certain legislative mandates including the metering of all secondary connections and delivering an educational component for end users through the Customer Portal where, among other things, users will be able to access information regarding their culinary and secondary water usage.

NOW, THEREFORE, in consideration of the mutual promises and covenants of the Parties hereto, the sufficiency of which is hereby acknowledged, the District and the Customer Entities agree as follows:

SECTION ONE
SERVICES OF THE DISTRICT

1. The District will provide setup, configuration, installation and maintenance (as expressly outlined herein) of the District's web-based Customer Portal. This will include the configuration and installation of SSL certificates, cloud-based hosting services and a web application firewall.

2. The District will provide programming services for the Customer Portal. These services will include updates and code maintenance on the website which may include items such as security improvements, algorithm changes for alert notifications, and browser compatibility requirements. Only minor customized configuration changes shall be accommodated. These minor configuration changes shall be limited to include items such as branding the Customer Portal to the Customer Entities logo and color schemes.

3. The District will allow utilization of its Automated Metering Infrastructure ("AMI") network over the term of this agreement provided the Customer Entities meet the terms and conditions herein. It will be the responsibility of the Customer Entities to ensure their metering equipment is compatible with this network. Metered culinary and secondary connections intended to utilize the Customer Portal shall utilize the Sensus 520M radio units (the "the Customer Entities' Radio Units"). The District will provide access to the AMI network by the Customer Entities' Radio Units, including assistance in configuration of the Customer Entities' Radio Units and any ongoing maintenance, including firmware upgrades for the AMI network, in addition to any hardware upgrades (if required) for the AMI network.

4. The District will provide a data transmission method for Customer Entities not on the AMI network to ensure their data is available on the Customer Portal.

5. The District will provide the customer entities with monthly meter read data available from the AMI network, with up to two reports per month.

6. The District will provide an administrative login to the Customer Portal that will allow the Customer Entities' staff to view all customer information located within the Customer Portal.

7. The District has the capacity and will not limit the number of users able to sign up and login to the customer portal.

SECTION TWO
PAYMENT AND FEES

1. FEES AND CHARGES: The Customer Entities agree to pay the District: (a) a fee of \$1,500 per year, for the web hosting, SSL certificate, and web application firewall services, (b) \$4,000 per year for all programming services related to the Customer Portal, updates and minor configuration changes as allowed by this Agreement. In addition to the previously mentioned fees each Party shall pay a pro rata share, based on the number of meters each Party has connected to the District's AMI network infrastructure, of the District's annual meter block invoice received from Sensus metering for (1) RNI Annual SAAS fee and (2) Sensus Analytics Services. All fees listed above shall be subject to revision upon the renewal of this Agreement.

2. PAYMENT OF FEES: The District shall bill each of the Customer Entities on an annual basis by submitting an invoice for the work completed on or around January 31st of each year for the previous calendar year. The percentage that shall be billed of the total \$5,500 annually shall be broken up as follows: City 50%, DWCCC 50%. The pro rata share of the number of meters connected to the AMI network by each entity shall be billed to each entity separately and included on the same invoice. The Customer Entities will then make payment on invoices within thirty (30) days of acceptance and approval of the invoice. Any disputes shall be provided in writing to the District within 30 days of receipt of invoice. Both parties shall have 60 days to resolve any disputes. Following the 60 day dispute period a final notice will be sent. If the dispute is not resolved within 60 days and payment made within 30 day of the final notice the Agreement shall be terminated.

SECTION THREE
THE CUSTOMER ENTITIES RESPONSIBILITIES

1. ACCESS. The Customer Entities agree to provide the District access to the computers and servers as required for database maintenance, troubleshooting, and updates related to the metering infrastructure and Customer Portal. The District shall work to ensure that each such access made pursuant to these requests is made during normal business hours.

2. DISTRICT USE OF DATA. The Customer Entities agree to provide the District with all meter-related data obtained from any meters connected to the AMI network. The Customer Entities acknowledge and agree that the District may use this meter data for studies and informational purposes, including monthly consumption values, hourly interval values, alarm data, firmware information, etc. as reasonably needed by District.

3. DATA INTEGRITY. The Customer Entities agree to maintain their customer information so as to include address, meter and radio number, and all other information integral to the Sensus AMI network data requirements.

4. CUSTOMER INTERACTIONS. The Customer Entities agree to be the primary point of contact for all customer interactions regarding meter data and information displayed within the Customer Portal. The District will be a secondary resource to the Customer Entities for questions relating to meter use, but should not have any interactions with the Customer Entities customers on a regular basis. The Customer Entities understand that the quality assurance of the data provided to its customers shall be its responsibility to review, correct, and validate and that the District takes no responsibility for errors or omissions in the data provided to the Customer Entities' customers via the Customer Portal as a result of incorrect data stored within the Customer Entities database and which has been provided to the District.

5. TEXT MESSAGE AND EMAIL ACCOUNTS. The Customer Entities agree to provide access to an SMS text messaging account that is compatible with the customer portal for related text messaging and alert notification services. If the Customer Entities decide to utilize a solution that differs from the District utilized solution, the Customer Entities agrees to pay additional development costs to the District for the integration and configuration of that solution. The District can give an estimate for the costs upon request by the city. The Customer Entities also agree to provide credentials for an email account that shall be used on behalf of the portal for all account registration and alert notification services. The Customer Entities understand that the SMS messaging account shall be funded independently of this agreement by the Customer Entities and the Customer Entities is responsible for maintaining a positive balance in the account to ensure message delivery.

SECTION FOUR
MISCELLANEOUS PROVISIONS

1. ENTIRE AGREEMENT. This Agreement contains the entire agreement of the Parties with respect to the subject matter hereof, and supersedes all other prior agreements, understandings, statements, representations, and warranties, oral or written, express or implied, by and among the Parties and their respective affiliates, representatives, and agents in respect of the subject matter hereof.

2. ASSIGNMENT. Neither Party may assign any right under or interest in this Agreement without the knowledge and prior written consent of the other Party.

3. WARRANTY OF AUTHORITY. The individuals executing this Agreement on behalf of the Parties hereby warrant that they have the requisite authority to execute this Agreement on behalf of the respective Parties and that the respective Parties have agreed to be and are bound hereby.

4. CANCELLATION OF PREVIOUS AGREEMENT. Any previous agreements entered into by the District and the Customer Entities relating to metering support services or information technology support services shall be considered null and void on the execution of this Agreement.

5. INDEMNIFICATION. (i) The Customer Entities agree to indemnify, protect, and save and hold the District harmless against and in respect of any and all claims, losses, liabilities, damages, costs, deficiencies or expenses (including attorney's fees) resulting from any claim for any rights under this Agreement or from the non-fulfillment of any covenant or agreement on the part of the Customer Entities under or relating to this Agreement, and any and all actions, suits, proceedings, demands, assessments, judgments, costs, legal and accounting fees and other expenses incident to any of the foregoing. (ii) The District agrees to indemnify, protect, and save and hold the customer entities harmless against and in respect of any and all claims, losses, liabilities, damages, costs, deficiencies or expenses (including attorney's fees) resulting from any claim for any rights under this Agreement or from the non-fulfillment of any covenant or agreement on the part of the District under or relating to this Agreement, and any and all actions, suits, proceedings, demands, assessments, judgments, costs, legal and accounting fees and other expenses incident to any of the foregoing.

6. NUMBER AND JOINT LIABILITY. In this Agreement, the singular number includes the plural and the plural number includes the singular. If this Agreement is executed by more than one person, firm, partnership or corporation, the obligations of each such person, firm, partnership or corporation hereunder shall be joint and several.

7. NO THIRD-PARTY BENEFICIARIES. Nothing herein shall be interpreted or construed to confer any right or remedy upon, or any duty, standard of care, liability or inference of liability to or with reference to, any person other than the District and the Customer entities, and their respective successors and permitted assigns.

8. GOVERNING LAW; JURISDICTION. This Agreement shall be governed by and construed in accordance with the domestic laws of the State of Utah without giving effect to any choice or conflict of law provision or rule (whether of the State of Utah or any other jurisdiction) that would cause the application of the laws of any jurisdiction other than the State of Utah. The Customer Entities submit to the jurisdiction of the Second Judicial District Court of the State of Utah in any action or proceeding arising out of or relating to this instrument and agrees that all claims in respect of the action or proceeding may be heard and determined in any such court.

9. INTERPRETATION. In the event an ambiguity or question of intent or interpretation arises, no presumption or burden of proof shall arise favoring or disfavoring any Party by virtue of the authorship of any of the provisions of this Agreement. The paragraph headings contained herein are for purposes of reference only and shall not limit, expand, or otherwise affect the interpretation of any provision hereof. Whenever the context requires, the singular shall include the plural, the plural shall include the singular, the whole shall include any part thereof, any gender shall include the masculine, feminine and neuter gender, and the term "person" shall include any individual, firm, partnership

(general or limited), joint venture, corporation, limited liability company, trust, association, or other entity or association or any combination thereof. If any provision of this Agreement or the application thereof to any person or circumstance shall be invalid or unenforceable to any extent, the remainder of this instrument and the application of such provision to other persons or circumstances shall not be affected thereby and shall be enforced to the extent permitted by applicable law.

10. WAIVER. No failure or delay in exercising any right, power or privilege under this Agreement, whether intentional or not, shall operate or be construed as a waiver thereof, nor shall any single or partial exercise of a right, power or privilege hereunder preclude any other or further exercise thereof or the exercise of any other right, power or privilege hereunder.

11. SUCCESSION AND ASSIGNMENT. The Agreement shall be binding upon and inure to the benefit of the Parties named herein and their respective successors and permitted assigns. The Customer Entities may not assign the Agreement or any of its rights, interests, or obligations thereunder without the prior written approval of the District.

12. FURTHER ACTS. The Parties hereby agree for themselves, and for their respective successors and assigns, to execute any instruments and to perform any act which may be necessary or proper to carry out the purposes of the Agreement.

13. INCORPORATION OF RECITALS. The recitals set forth in this Agreement are incorporated herein by reference and made a part hereof.

14. INTEGRATION. This Agreement sets forth the entire understanding of the Parties with respect to the subject matter hereof, and all prior negotiations, correspondence, proposals, discussions, understandings, representations, inducements and agreements, whether oral or written and whether made by a Party hereto or by anyone acting on behalf of a Party, shall be deemed to be merged in and superseded by this Agreement and shall be of no further force or effect. There are no representations, warranties, or agreements, whether express or implied, or oral or written, with respect to the subject matter hereof, except as set forth herein, and no Party has relied upon any representation, promise, assurance, covenant, omission or agreement not included in the terms hereof in making the decision to enter into this Agreement. This Agreement may not be contradicted by evidence of prior, contemporaneous or subsequent oral agreements among or between the Parties.

15. AMENDMENTS. This Agreement may not be modified, amended or changed by any oral agreement, either express or implied. No amendment, modification or change in this Agreement shall be valid or binding unless reduced to writing and signed by both the District and the Customer Entities. The provisions of this and the immediately preceding sentence themselves may not be amended or modified, either orally or by conduct, either express or implied, and it is the declared intention of the Parties that no provisions of this Agreement, including said two sentences, shall be modifiable in any way or manner whatsoever other than through a written document signed by both the District and the Customer Entities.

16. EXPENSES OF ENFORCEMENT. In any proceeding to enforce, interpret, rescind or

terminate this Agreement or in pursuing any remedy provided hereunder or by applicable law, the prevailing Party shall be entitled to recover from the other Party all costs and expenses, including a reasonable attorney's fee, whether such proceeding or remedy is pursued by filing suit or otherwise, and regardless of whether such costs, fees and/or expenses are incurred in connection with any bankruptcy proceeding. For purposes of hereof, the term "prevailing party" shall include, without limitation, a Party who agrees to dismiss an action or proceeding upon the other's payment of the sums allegedly due or performance of the covenants allegedly breached, or who obtains substantially the relief sought. The provisions set forth in this paragraph shall survive the merger of these provisions into any judgment.

17. EFFECTIVE DATE. This Agreement shall become effective upon approval hereof by the District and the Customer Entities, as indicated by its endorsement herein below.

18. NOTICE. Any notice herein required to be given to the customer entities shall be sufficiently given if sent by mail addressed to Clinton City, 2267 N 1500 W, Clinton, Utah 84015; Davis & Weber Counties Canal Company, 138 West 1300 North, Sunset, Utah 84015, and to the District office if delivered to 2837 East Highway 193, Layton, Utah 84040.

19. AUTHORIZED EXECUTION. The Parties signing below each represent and warrant (i) that they are authorized to execute this Agreement for and on behalf of the Party for whom they are signing; (ii) that such Party shall be bound in all respects hereby; and (iii) that such execution presents no conflict with any other agreement of such Party.

20. TERMINATION; TERM OF AGREEMENT; EARLY TERMINATION OF SERVICES. This Agreement shall continue for up to 5 years from the effective date unless sooner terminated by the Parties or renewed for an additional 5-year period. The Customer Entities may elect to terminate this Agreement by providing the District written notice of such election at least ninety (90) days in advance of the effective date of termination (unless the District agrees to shorten or waive such notice period in writing). If the District discontinues providing a given service for its own operations, the District may, upon at least 90 days' notice to the Customer Entities, terminate providing such service hereunder (e.g., if the District is no longer providing a Customer Portal), the District may, upon 90 days' notice, terminate any Customer Portal services that are services hereunder. If any party to this agreement elects for termination, the agreement as a whole shall be terminated and a new agreement between the remaining parties shall be required.

IN WITNESS WHEREOF, the Parties hereto have signed this Agreement effective as of the date first herein above written.

CLINTON CITY

By: ______________________________
Name / Title

Date: ______________________________

DAVIS AND WEBER COUNTIES CANAL COMPANY

By: Richard D. Smith
Richard D Smith Name / Title GM/Treasurer

Date: 9-19-24

WEBER BASIN WATER CONSERVANCY DISTRICT

By: ______________________________
Scott W. Paxman
CEO, General Manager

Date: ______________________________

CLINTON CITY
COUNCIL AGENDA ITEM

SUBJECT: UDOT Utility Relocation and Betterment Agreement	**AGENDA ITEM: D**
PETITIONER: Dave Williams, Bryce Wilcox	**MEETING DATE:** October 8, 2024
RECOMMENDATION: Council approve and sign the UDOT Utility Relocation and Betterment Agreement	**ROLL CALL VOTE:**
FISCAL IMPACT: $3,952,991 in Water and Sewer Funding	

BACKGROUND:

UDOT has completed the design the I15/1800 North Interchange and the widening of 1800 North from Main Street to 2000 West. UDOT's plan is to advertise the project for construction in November. Construction will take 3 years to complete.

As part of the project, UDOT has included the replacement of the culinary waterlines in 1800 North. Most of the water lines are 44 years old with one line being over 70 years old. They need to be replaced before UDOT constructs the new concrete road. They will be extremely difficult to maintain under the concrete road in their current conditions.

UDOT is responsible to replace the waterlines that are physically impacted by the construction of the project like under the 1800 North railroad overpass and under the I15 interchange. Clinton City is responsible for the lines outside of these areas. Public Works and Engineering have been working closely with the UDOT design team to get the best system for the city and to ensure that UDOT is covering the appropriate portion of the project.

The UDOT agreement for the improvements is attached. The following is a summary of the costs. Clinton City will be responsible for actual bid costs. These are just estimates at this time.

Total Water and Sewer Line Estimated Bid Cost:	$7,950,031
UDOT Portion of Estimated Bid Cost:	$4,482,495
Clinton City Portion of Estimated Bid Cost:	$3,467,536
Clinton City Misc Project Costs:	$485,455
Clinton City Total Estimated Cost:	$3,952,991
Clinton City Water Line Portion:	$3,844,309
Clinton City Sewer Line Portion:	$108,682

UDOT has changed when payments are due multiple times. From all upfront to all at the end of the project. The current agreement has 4 payments based on actual work due April 2025, November 2025, April 2026, and November 2026. We are currently working with UDOT on the payment timing and may have additional information at the Council meeting.

To cover the sewer portion of the project, the plan is to budget $110,000 in next fiscal year's sewer account. We will replace the annual sewer lining project with the 1800 North sewer Project.

To cover the water portion of the project, we are applying for a $4,150,000 project from the Utah Board of Water Resources. The $4.15M covers the waterline and engineering design the city has already paid UDOT. Water Resources will loan 85% of the total project costs and requires local sponsors to bring 15% of the costs. The loan would be for approximately $3,527,500 and the city portion will be required to bring $622,500. We can count $255,000 of what the city has already paid UDOT towards the city's portion. We are working on covering the remaining amount. We won't need all of the City's match at the start if the project. The anticipated current loan terms are 20 years at 3.17%. This would require a $2.50 to $3.00 per month water rate increase to repay the loan.

The City's application goes before the Utah Board of Water Recourses in December. We will bring more information about the loan, match, and repayment plan at that time. This information is just to give the council the basis for a plan to cover the waterline costs.

Clinton City received a $2 million grant to replace the waterlines on 1800 North. Due to the grant having federal restrictions, UDOT asked the city to use the grant to replace the waterlines on the next phase of the 2000 West project. This should allow the city to replace the remaining waterlines on 2000 West without additional loans.

We recommend signing the UDOT Utility Relocation and Betterment Agreement.

ATTACHMENTS: UDOT Utility Relocation and Betterment Agreement.

CLINTON CITY

UTILITY RELOCATION and BETTERMENT AGREEMENT

THIS UTILITY RELOCATION AND BETTERMENT AGREEMENT, by and between the Utah Department of Transportation ("UDOT"), and Clinton City, a political subdivision in the State of Utah ("City"). Each as party, ("Party") and together as parties, ("Parties").

RECITALS

WHEREAS, UDOT will award a contract for the highway project identified as I-15; 1800 North Interchange in Davis County, Utah ("Project"); and

WHEREAS, UDOT has identified City owned culinary water and sewer facilities within the limits of the Project; and

WHEREAS, Project construction necessitates relocating, protection in place, or adjustment of the City's facilities ("Utility Work"); and

WHEREAS, UDOT has designed and will construct culinary water and sewer betterments, as requested by the City, generally under the sidewalk located on the south side of 1800 North ("Betterment Work"); and

WHEREAS, Utility and Betterment Work are collectively referred to as "Agreement Work," and

WHEREAS, UDOT has prepared and will execute railroad license agreements for the City Facility crossings at the railroad Rights-of-Way necessary for the Agreement Work.

THIS AGREEMENT is made to set out the terms and conditions where under the utility work shall be performed.

AGREEMENT

Now therefore, the parties agree as follows:

1. Contact Information

UDOT's Resident Engineer is Deryl Mayhew, telephone number (385) 208-0266, and email derylm@horrocks.com.

UDOT's Region Utility Leader is John Bangle, telephone number (801) 867-6764, and email jbangle@utah.gov.

UDOT's Third-Party Quality Lead is Brandon Wilson, telephone number (385) 235-0800, and email brandon@dserio.com.

City's contact person is Dave Williams, telephone number (801) 614-0870, and email dwilliams@clintoncity.com.

2. UDOT Scope of Utility and Betterment Work

The proposed Agreement Work will include the work as indicated below and shown on the Utility Cross Reference sheets marked Exhibit “A,” Detailed Culinary Water plans and Summary sheets are marked Exhibit "B," Sewer plans and Summary sheets marked Exhibit "C," General Details marked Exhibit “D,” and Removal plans and Summary sheets marked Exhibit "E," which are each incorporated by reference.

The Parties have determined that, in some cases, the City-requested Betterment Work will reduce a portion of the Project's required Baseline Utility Work.

Some Utility Work, initially considered functionally equivalent relocations, will be consolidated or eliminated and shown as a reduction in the Utility Estimate.

Betterments include:

a. Mobilization, traffic control, survey, engineering.
b. Culinary Betterments (shown in Exhibit B):
   i. Pipes and fittings, steel casings, manhole, gate valves, fire hydrant assemblies, service lines, meter boxes, combination air valve assemblies, PRV station, sampling station assembly, conduit, junction boxes, and appurtenances.
c. Sewer Betterments (shown in Exhibit C):
   i. Service connections and PVC sewer pipe.
d. Culinary and Sewer Abandonment and Removal Betterments (shown in Exhibit E):
   i. Culinary pipe, vaults, valves, and appurtenances.
   ii. Sewer pipe, manholes, and appurtenances.

UDOT's Project Required Relocation vs. Project Design scroll plots are marked Exhibit "F," which is incorporated by reference. The scroll plot provides an overview of Project-required functionally equivalent relocations (conflict relocations) vs. the proposed functionally equivalent relocations (conflict relocations) and betterments (City requested installations) shown in Exhibits A, B, and C.

a. Culinary Water and Baseline Project-required conflict relocations or installations (Exhibit F):
   i. Reconstruct valve boxes, a manhole, and tank overflow lines.
   ii. Install culinary pipes, fittings, anchor blocks, steel casing, gate valves, fire hydrant assemblies, service lines, meter boxes, air valve assemblies, sampling station assembly, flow meter and chlorine injection assembly, and appurtenances.
   iii. Communications conductor.
b. Sewer Baseline Project-required conflict relocations or installations (Exhibit F):
   i. Manhole
c. Culinary and Sewer Abandonment and Removals (Exhibit E)
   i. Culinary pipes and fittings, air vac vault, hydrants, manholes, water meters
d. UDOT will prepare and execute new or abandoned railroad license agreements on behalf of the City for its facilities crossing the railroad(s) Rights-of-Way.

3. Project Specific Special Provisions

a. UDOT will return all removed fire hydrants to the City.
b. The City has approved a deviation from its standard specifications and will follow UDOT Special Provision 02056M for materials to be placed in the pipe zone backfill at particular pipe installation areas to achieve the UDOT depth of bury requirements. The approved deviation is marked Exhibit "G," that is incorporated by reference.

4. City to Perform Agreement Work

The City, with its regular engineering and construction forces at its standard schedule of wages and working hours, or through its qualified contractors with whom it has continuing contracts, and in accordance with 23 C.F.R. §645, subpart A, shall perform the necessary field and office engineering and inspection, furnish all materials, and perform the Agreement Work covered herein, except as noted above. The City shall not perform any Agreement Work until authorized in writing by UDOT.

City to perform Agreement Work inspection during construction and final inspection upon notification from UDOT that the Agreement Work is complete. Final inspection shall be performed within 30 days from UDOT's notification.

City will secure licenses and permits for City Facilities crossing the Utah Transit Authority and Union Pacific Railroad Rights-of-Way.

5. Conformance with Utah Administrative Code R930-7

The design and construction of the Agreement Work, access for future maintenance and servicing of City's property located on the right of way of the Project, will be in conformance with Utah Administrative Code R930-7, and any supplements or amendments.
UDOT has approved deviations from provisions of the Utah Administrative Code R930-7-13 for Agreement Work locations marked in Exhibit "G."

6. UDOT to Inform its Contractor

UDOT will, by its standard specifications and/or special provisions, inform its contractor of the coordination and cooperation required for timely completion of Agreement Work. UDOT will also inform its contractor of the approximate schedule for completion of the Agreement Work and the City shall diligently pursue its Agreement Work so that completion can be accomplished as soon as possible after having been authorized to proceed.

7. City to Notify UDOT Before Beginning Agreement Work and Upon Completion of Agreement Work

The City will notify UDOT's Resident Engineer, or designated representative, at least 2 business days in advance of beginning any Agreement Work. The City will provide notification to UDOT's Resident Engineer within 48 hours of completing the Agreement Work. Such notification shall be by telephone with an email follow up. When the City experiences emergency work of its own during Agreement Work on the Project, it will take care of the emergency, after which it will again notify the Resident Engineer's office as to when Agreement Work will be resumed on the Project. Failure on the part of the City to give proper notification to UDOT's Resident Engineer's office will result in UDOT's disallowance of reimbursement for that portion of the City's Agreement Work performed while not under the surveillance of UDOT's Resident Engineer or its authorized representative.

8. Traffic Control and Flagging

UDOT will provide MOT and traffic control for Agreement Work to the City for Agreement Work that is scheduled and occurs during active construction of the Project. Except in the case of emergencies, Agreement Work will be scheduled and comply with the requirements of the Limitation of Operations contained in UDOT's contract with respect to lane closures, peak hour work restrictions, holiday and special event limitations, etc. If UDOT's contractor is not providing traffic control for the City then the City shall use UDOT approved traffic control devices and conform to the standards set forth in the Manual on Uniform Traffic Control Devices and 23 C.F.R. §630, Subpart J.

All flagging personnel shall be certified.

9. UDOT Survey Control

UDOT will provide surveying and staking of roadway facilities in order for the City to clearly identify the roadway elements to properly relocate its Facilities. Any of UDOT's survey control stakes or bench markers which are removed or damaged by the City shall be reestablished by UDOT at City's expense.

10. Discovery of Historical Objects

The City, while engaged in the relocation of its Facilities, shall comply with UDOT's Standard Specifications, Section 01355, Subpart 1.13, Discovery of Historical, Archeological or Paleontological Objects, Features, Sites, or Human Remains.

11. Daily Record Keeping

UDOT and the City will each keep daily records of onsite activities. The City's daily records will be completed on a form that has been preapproved by UDOT's Contracts, Compliance and Certification Manager. The daily records shall be signed by UDOT's Field Representative or their authorized representatives and by the City or its authorized representatives. Copies of the daily records shall be retained by the Parties to this Agreement. When emergencies occur, requiring the City's work forces to leave the job, the record keeping shall be resumed upon return to the Project.

12. Reimbursement for Betterment Work

City will reimburse UDOT 100% of the Betterment Work as required by Utah Code §72-6-116 at the actual cost of Labor and Materials and the lump sum value of the estimated cost of the Construction Costs. An estimate of the cost of the Betterment Work and Construction Costs was furnished by UDOT to the City in the amount of $3,952,991 (“Estimate”). The Betterment Work is based upon the prices of materials and labor current as of the date of the Estimate. The Estimate does not account for increases due to unknown and unforeseen hardships in accomplishing the Betterment Work. A copy of the details of the Estimate is marked Exhibit “H," that is incorporated by reference.

Total Contractor Build Bid Cost (includes betterment)	$ 7,950,031
Base Cost (original design without betterment)	$(4,482,495)
Betterment Sub total	**$ 3,467,536**
Misc Items	**$ 485,455**
Total Betterment Cost (Payable by the Third Party)	**$ 3,952,991**

The City shall deposit the actual cost of the Betterment Work in four payments. Three interim application invoices due April 2025, November 2025, and April 2026. The FINAL invoice due November 2026. Within thirty (30) days of receipt, the City shall deposit each invoiced amount with UDOT’s Comptroller’s Office located at UDOT/Comptroller, 4501 South 2700 West, Box 14150, Salt Lake City, UT 84119-1510.

13. Changes in the Agreement Work

In the event there are changes in the scope of the Agreement Work, extra Agreement Work, or changes in the planned Agreement Work covered by this Agreement, a modification to this Agreement signed by the parties is required prior to the start of Agreement Work on the changes or additions.

14. Billing and Payment

The City shall be responsible for all actual costs associated with these betterment items. The City agrees that if it modifies or cancels this Agreement at any time after it has been signed, the City agrees to pay any cancellation penalties or costs incurred by UDOT as a result of the Betterment Work scope being modified or canceled.

15. Right to Audit

UDOT and/or the Federal Highway Administration shall have the right to audit all cost records and accounts of the City pertaining to this Project in accordance with the auditing procedure of the Federal Highway Administration and 23 C.F.R. §645, subpart A. Should this audit disclose that the City has been underpaid, the City will be reimbursed by UDOT upon submission of additional billing to cover the underpayment. Should this audit disclose that the City has been overpaid, the City will reimburse UDOT in the amount of the overpayment. For purpose of audit the City is required to keep and maintain its records of Agreement Work covered herein for a minimum of 3 years after final payment is received by the City from UDOT.

16. Prohibition of Certain Telecommunications and Surveillance Equipment

All work of the City that relates to any agreement with UDOT is subject to Public Law 115-232, Sec. 889 and 2 CFR § 200.216 (the "Telecommunications Laws"). Among other things, the Telecommunications Laws prohibit the use of any sort of "covered telecommunications" equipment or services, which are those provided by a City listed in such laws. The City shall at all times comply with the Telecommunications Laws. The City hereby certifies that it has read the Telecommunications Laws and consulted with legal counsel as needed. For all matters which are the subject of any agreement between the City and UDOT, the City hereby certifies that it currently conforms with, and will continue to conform with, the Telecommunications Laws in all respects. The City shall also place this certification in all UDOT-related contracts with subcontractors, consultants, and suppliers for UDOT's benefit. If any government entity having jurisdiction determines that the City or its associates is not in compliance with the Telecommunications Laws, the City agrees that it shall promptly notify UDOT of the same and remedy any deficiency.

17. Miscellaneous

a. The permitted use and occupancy of right-of-way for non-highway purposes is subordinate to the primary and highest interest for transportation and safety of the traveling public.
b. The failure of either Party to insist upon strict compliance of any of the terms and conditions, or failure or delay by either Party to exercise any rights or remedies provided in this agreement, or by law, will not release either Party from any obligations arising under this agreement.
c. Each Party agrees to undertake and perform all further acts that are reasonably necessary to carry out the intent and purpose of the Agreement at the request of the other Party.
d. This Agreement does not create any type of agency relationship, joint venture, or partnership between UDOT and City.
e. This Agreement shall be deemed to be made under and shall be governed by the laws of the State of Utah in all respects. Each person signing this Agreement warrants that the person has full legal capacity, power and authority to execute this Agreement for and on behalf of the respective Party and to bind such Party.
f. If any provision or part of a provision of this agreement is held invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provision. Each provision shall be deemed to be enforceable to the fullest extent under applicable law.
g. This Agreement may be executed in one or more counterparts, each of which shall be an original, with the same effect as if the signatures were made upon the same instrument. This Agreement may be delivered by facsimile or electronic mail.

h. This Agreement shall constitute the entire agreement and understanding of the Parties with respect to the subject matter hereof, and shall supersede all offers, negotiations and other agreements with respect thereto. Any amendment to this Agreement must be in writing and executed by authorized representatives of each Party.

i. The date of this agreement is the date this agreement is signed by the last Party.

IN WITNESS WHEREOF, the Parties hereto have caused these presents to be executed by their duly authorized officers.

Attest	**Clinton City**
______________________________	______________________________
Title: ______________________	**Title:** ______________________
Date: ______________________	**Date:** ______________________

(IMPRESS SEAL)

. . . .

Recommended for Approval	**Utah Department of Transportation**
______________________________	______________________________
Title: Utility and Railroad Leader	**Title:** Region Director
Date: ______________________	**Date:** ______________________

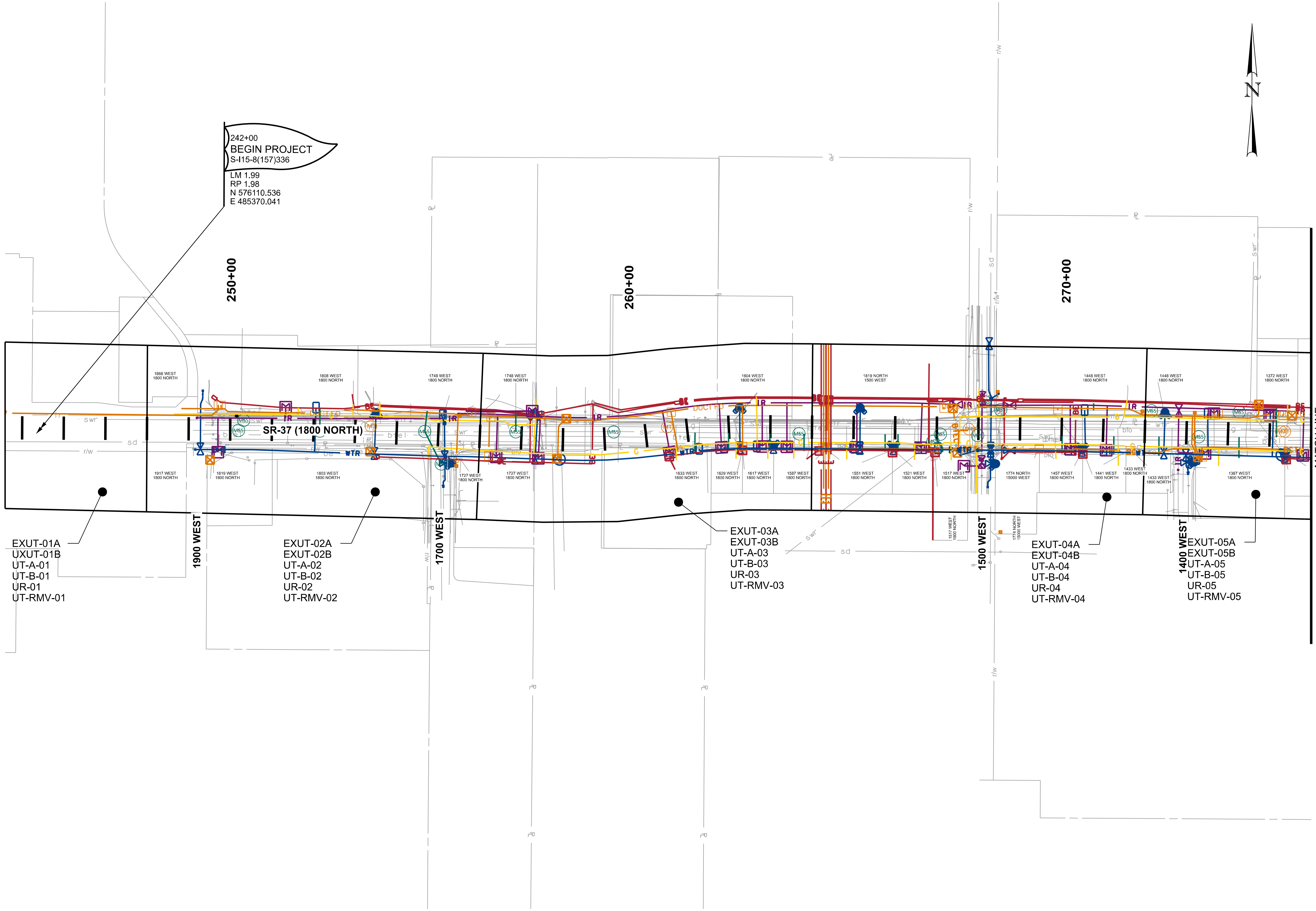
UDOT Comptroller Office

____

Title: Contract Administrator

Date: ______________________

EXHIBIT A



NOTES:
1. SEE ITS SERIES FOR UDOT ITS INFORMATION.

DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682_UTCR-01.dgn

mnelson 16:00 15-APR-2024 REGION 1

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY LCJ

QC CHECKED BY MSN

APPROVED

4/15/2024 DATE

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

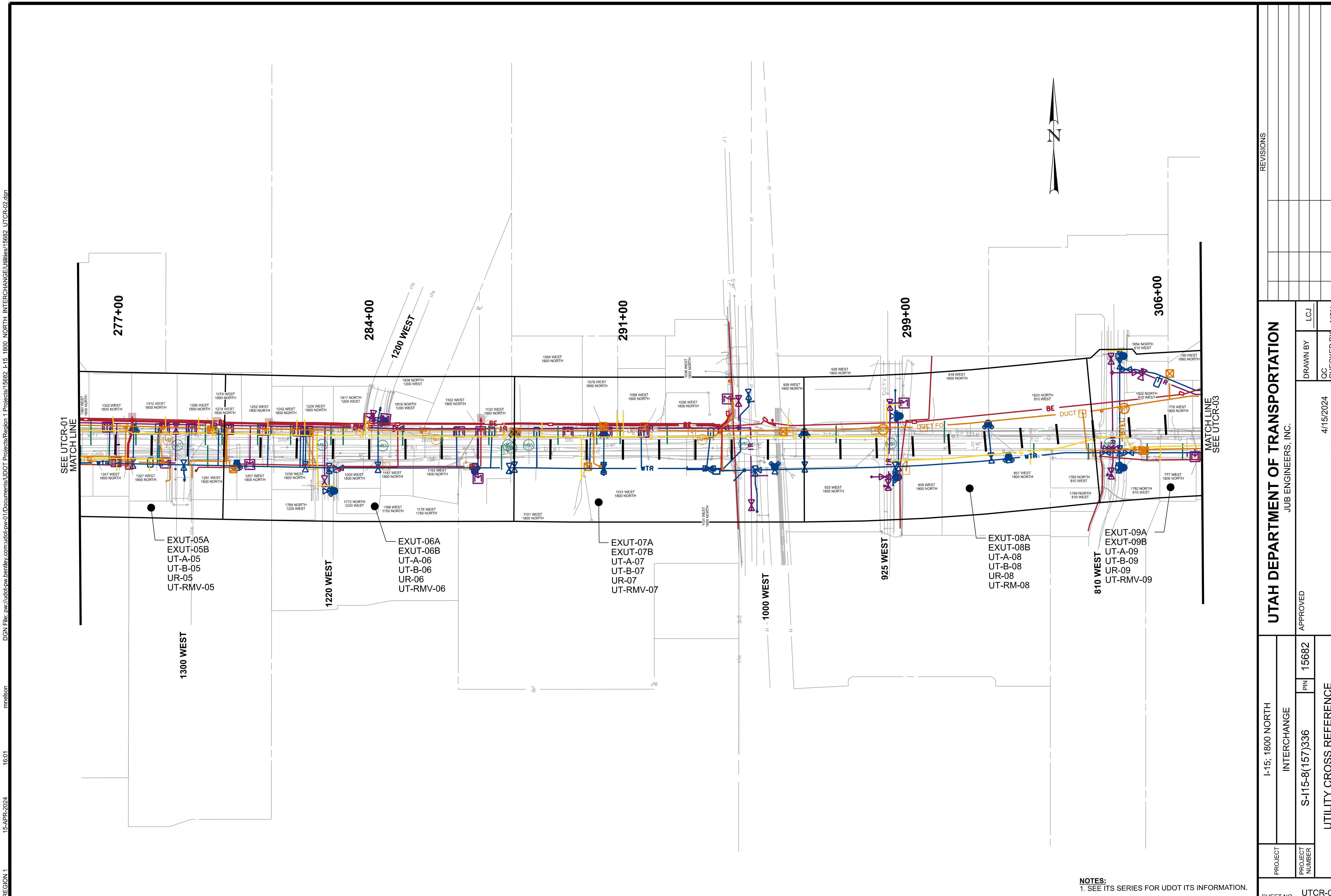
PROJECT NUMBER: S-I15-8(157)336

PIN 15682

UTILITY CROSS REFERENCE

SHEET NO. UTCR-01

EXHIBIT A



277+00
284+00
291+00
299+00
306+00
1200 WEST
1220 WEST
1300 WEST
1000 WEST
925 WEST
810 WEST
SEE UTCR-01
MATCH LINE
MATCH LINE
SEE UTCR-03
EXUT-05A
EXUT-05B
UT-A-05
UT-B-05
UR-05
UT-RMV-05
EXUT-06A
EXUT-06B
UT-A-06
UT-B-06
UR-06
UT-RMV-06
EXUT-07A
EXUT-07B
UT-A-07
UT-B-07
UR-07
UT-RMV-07
EXUT-08A
EXUT-08B
UT-A-08
UT-B-08
UR-08
UT-RM-08
EXUT-09A
EXUT-09B
UT-A-09
UT-B-09
UR-09
UT-RMV-09
N
NOTES:
1. SEE ITS SERIES FOR UDOT ITS INFORMATION.
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
DRAWN BY LCJ
QC CHECKED BY MSN
4/15/2024
DATE
APPROVED
PROFESSIONAL ENGINEER
PROJECT I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
UTILITY CROSS REFERENCE
SHEET NO. UTCR-02
REVISIONS
NO. DATE APPROVED BY REMARKS
DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682_UTCR-02.dgn
mnelson
16:01
15-APR-2024
REGION 1

EXHIBIT A

NOTES:
1. SEE ITS SERIES FOR UDOT ITS INFORMATION.

DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 UTCR-03.dgn

REGION 1 8-JUL-2024 14:33 aellefson

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY	LCJ
QC CHECKED BY	MSN
DATE	7/8/2024

APPROVED

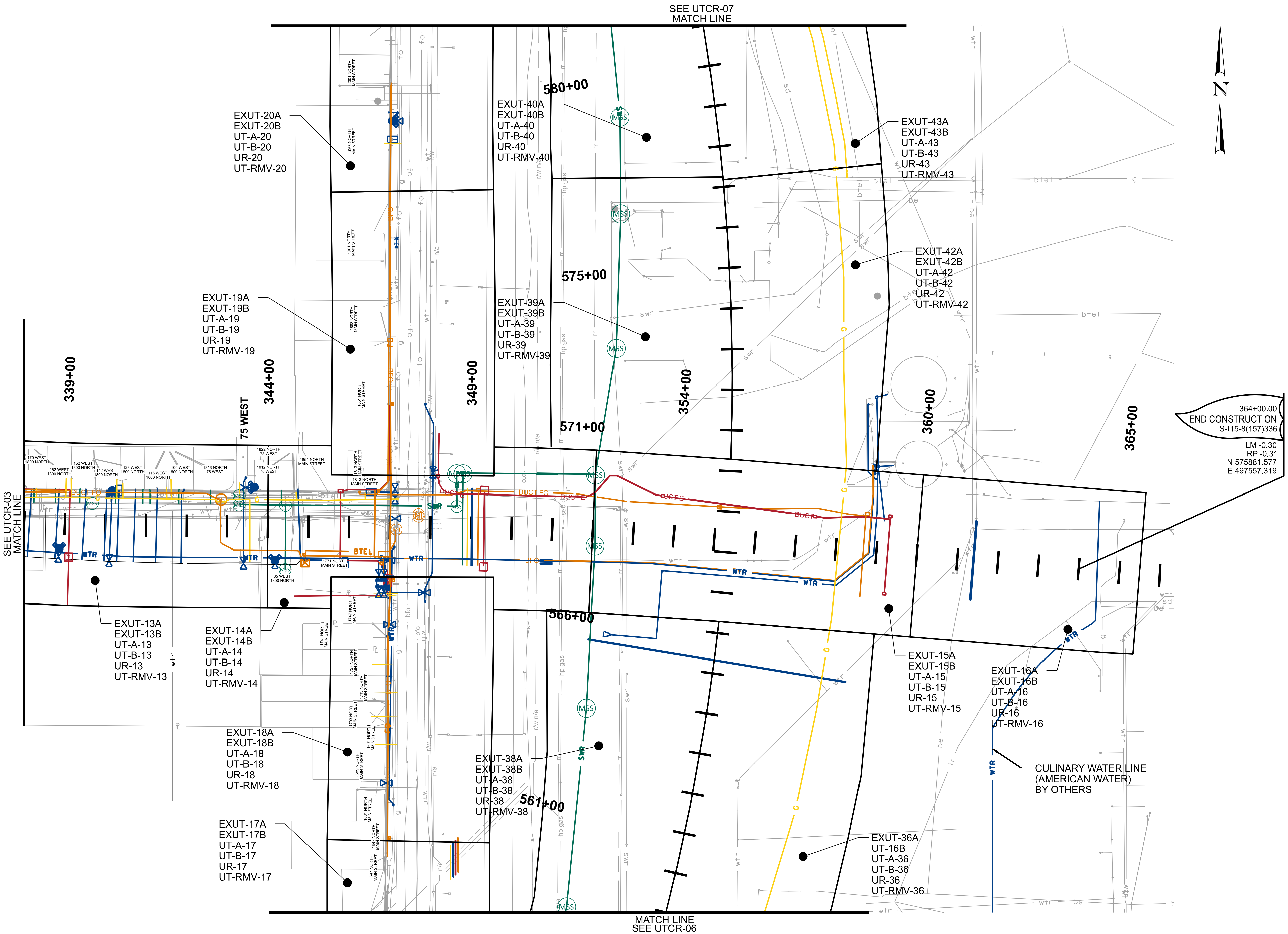
PROFESSIONAL ENGINEER

PROJECT	I-15; 1800 NORTH INTERCHANGE
PIN	15682
PROJECT NUMBER	S-I15-8(157)336

UTILITY CROSS REFERENCE

SHEET NO. UTCR-03

EXHIBIT A



NOTES:
1. SEE ITS SERIES FOR UDOT ITS INFORMATION.

NO.	DATE	APPROVED BY	REMARKS

REVISIONS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY: LCJ
QC CHECKED BY: MSN
DATE: 7/8/2024
PROFESSIONAL ENGINEER
APPROVED

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN: 15682
PROJECT NUMBER: S-I15-8(157)336
UTILITY CROSS REFERENCE

SHEET NO. UTCR-04

DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 UTCR-04.dgn aellefson 14:33 8-JUL-2024 REGION 1

EXHIBIT A

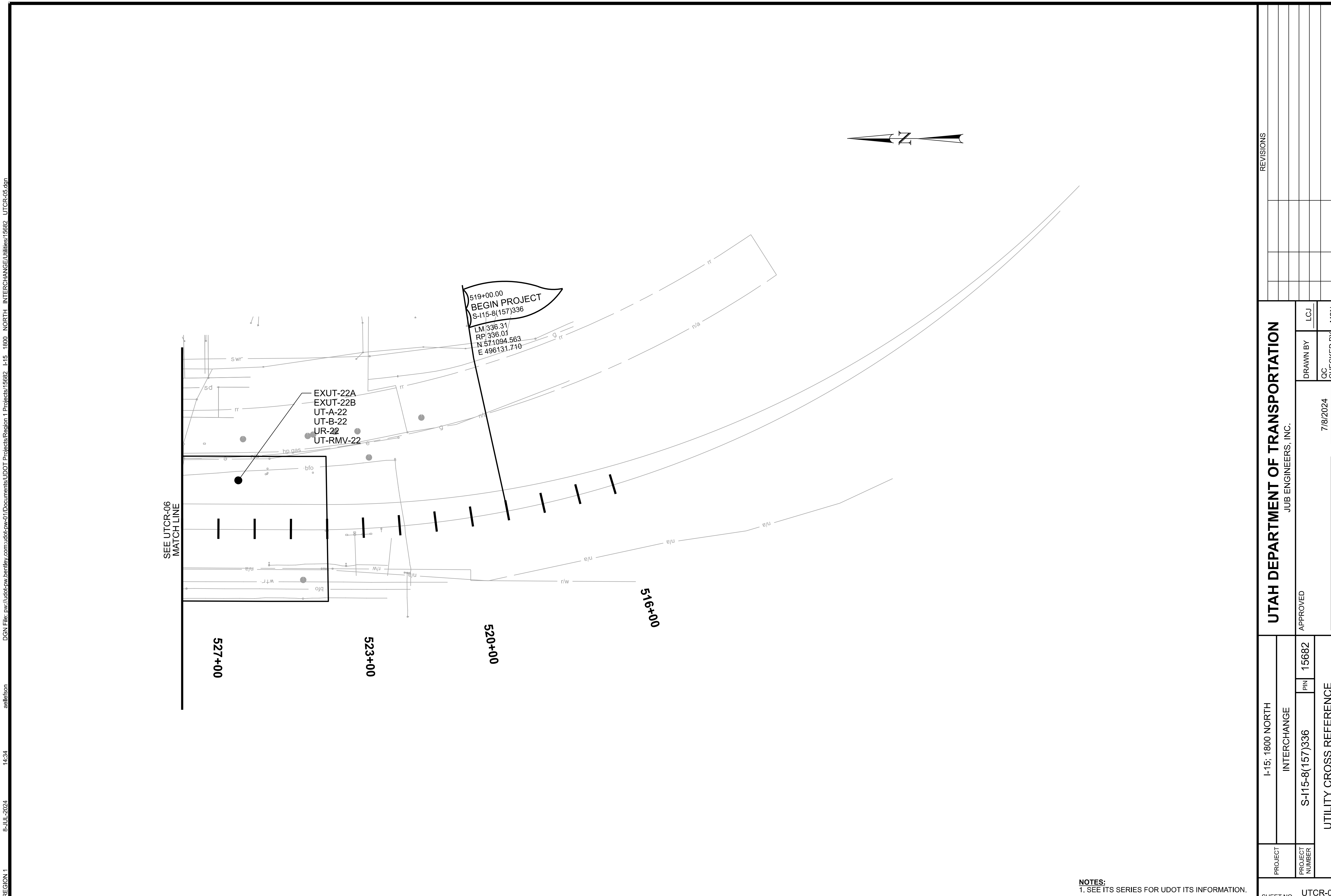
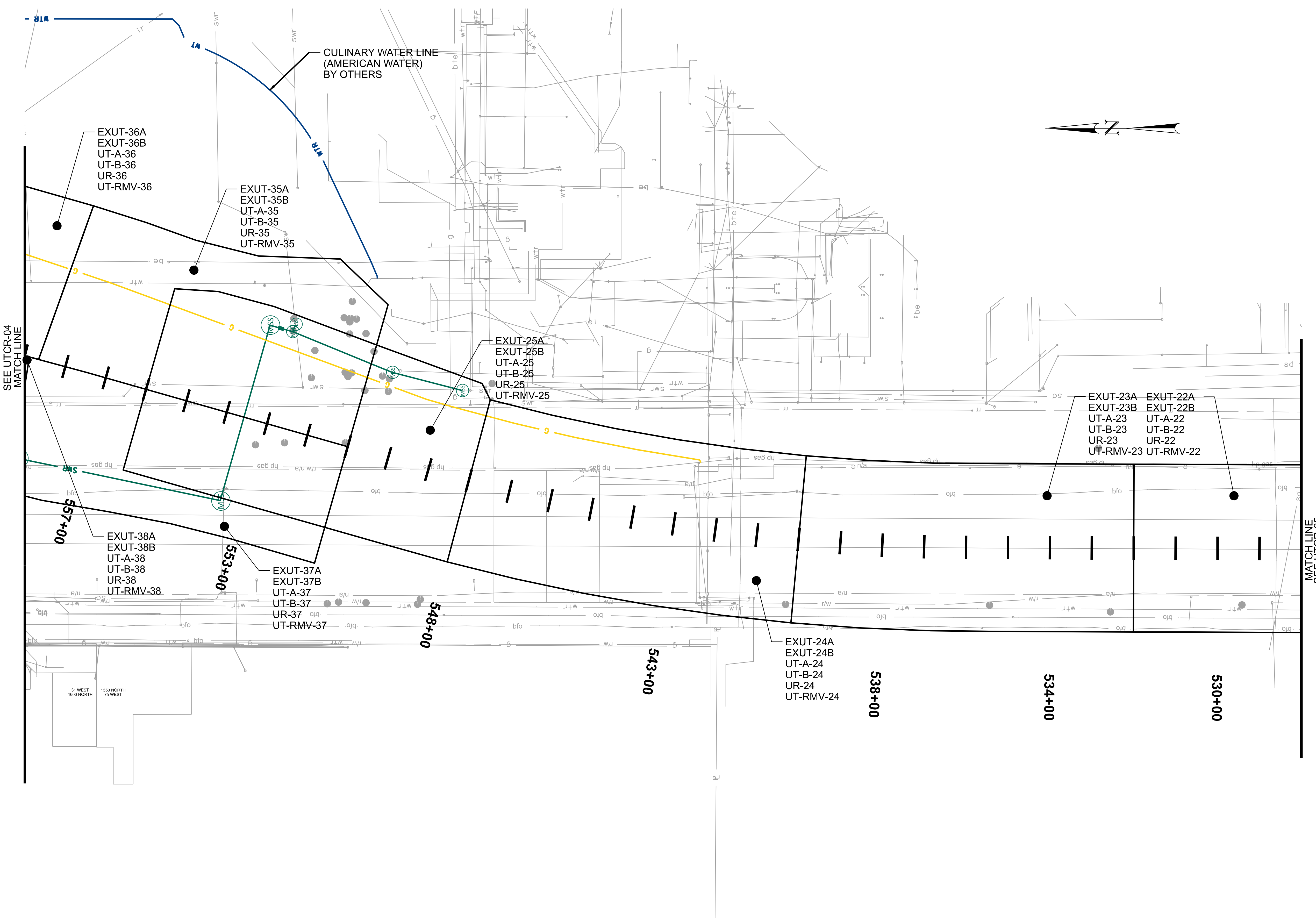

REGION 1
8-JUL-2024
14:34
aellefson
DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 UTCR-05.dgn
N
519+00.00
BEGIN PROJECT
S-I15-8(157)336
LM 336.31
RP 336.01
N 571094.563
E 496131.710
EXUT-22A
EXUT-22B
UT-A-22
UT-B-22
UR-22
UT-RMV-22
SEE UTCR-06
MATCH LINE
527+00
523+00
520+00
516+00
NOTES:
1. SEE ITS SERIES FOR UDOT ITS INFORMATION.
REVISIONS
NO.
DATE
APPROVED BY
REMARKS
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
DRAWN BY
LCJ
QC CHECKED BY
MSN
7/8/2024
DATE
APPROVED
PROFESSIONAL ENGINEER
PROJECT
I-15; 1800 NORTH
INTERCHANGE
PROJECT NUMBER
S-I15-8(157)336
PIN
15682
UTILITY CROSS REFERENCE
SHEET NO.
UTCR-05

EXHIBIT A



NOTES:
1. SEE ITS SERIES FOR UDOT ITS INFORMATION.

REVISIONS

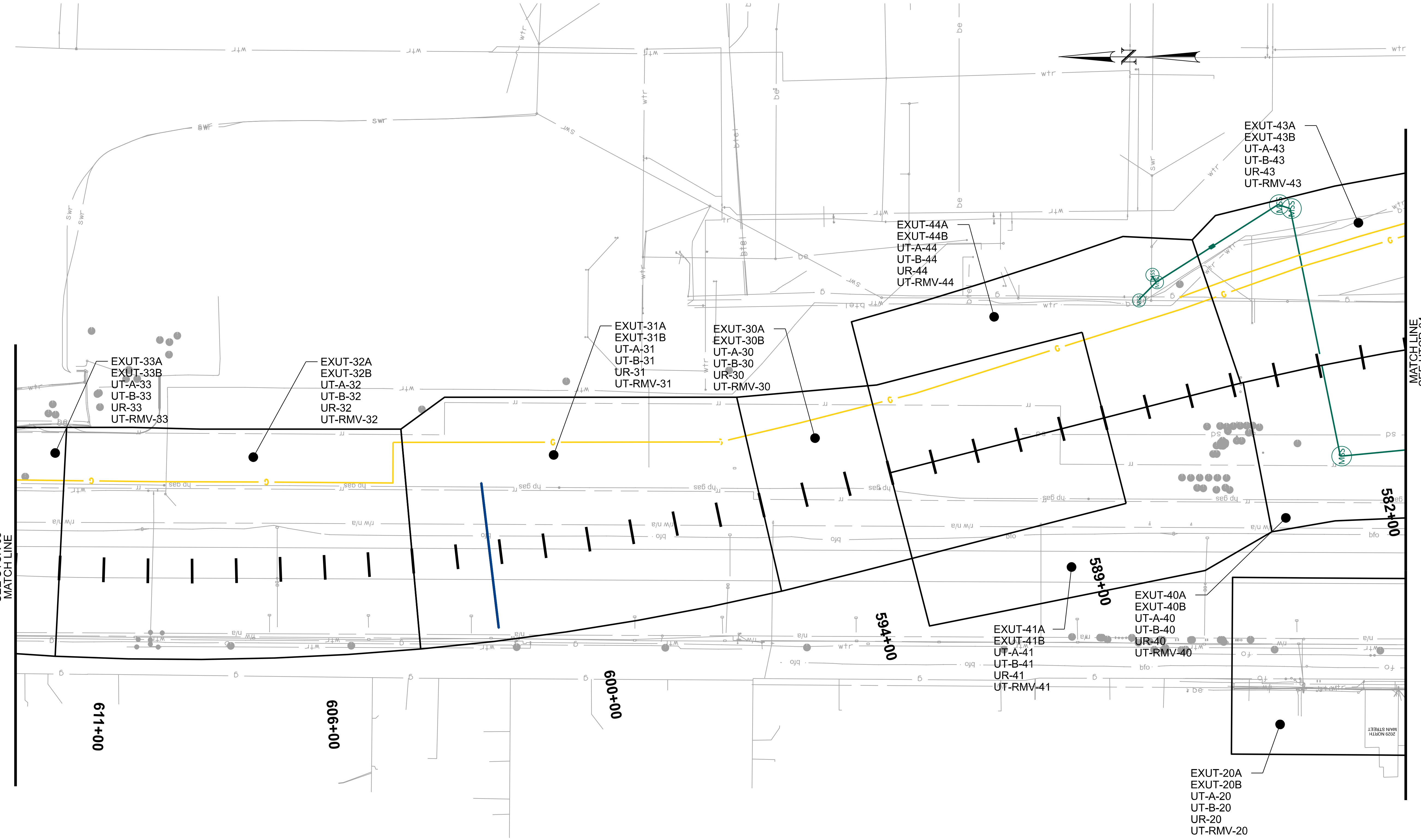
NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY LCJ
QC CHECKED BY MSN
7/8/2024 DATE
PROFESSIONAL ENGINEER
APPROVED

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
UTILITY CROSS REFERENCE
SHEET NO. UTCR-06

EXHIBIT A



NOTES:
1. SEE ITS SERIES FOR UDOT ITS INFORMATION.

DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 UTCR-07.dgn
aellefson 14:34 8-JUL-2024 REGION 1

REVISIONS				
NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

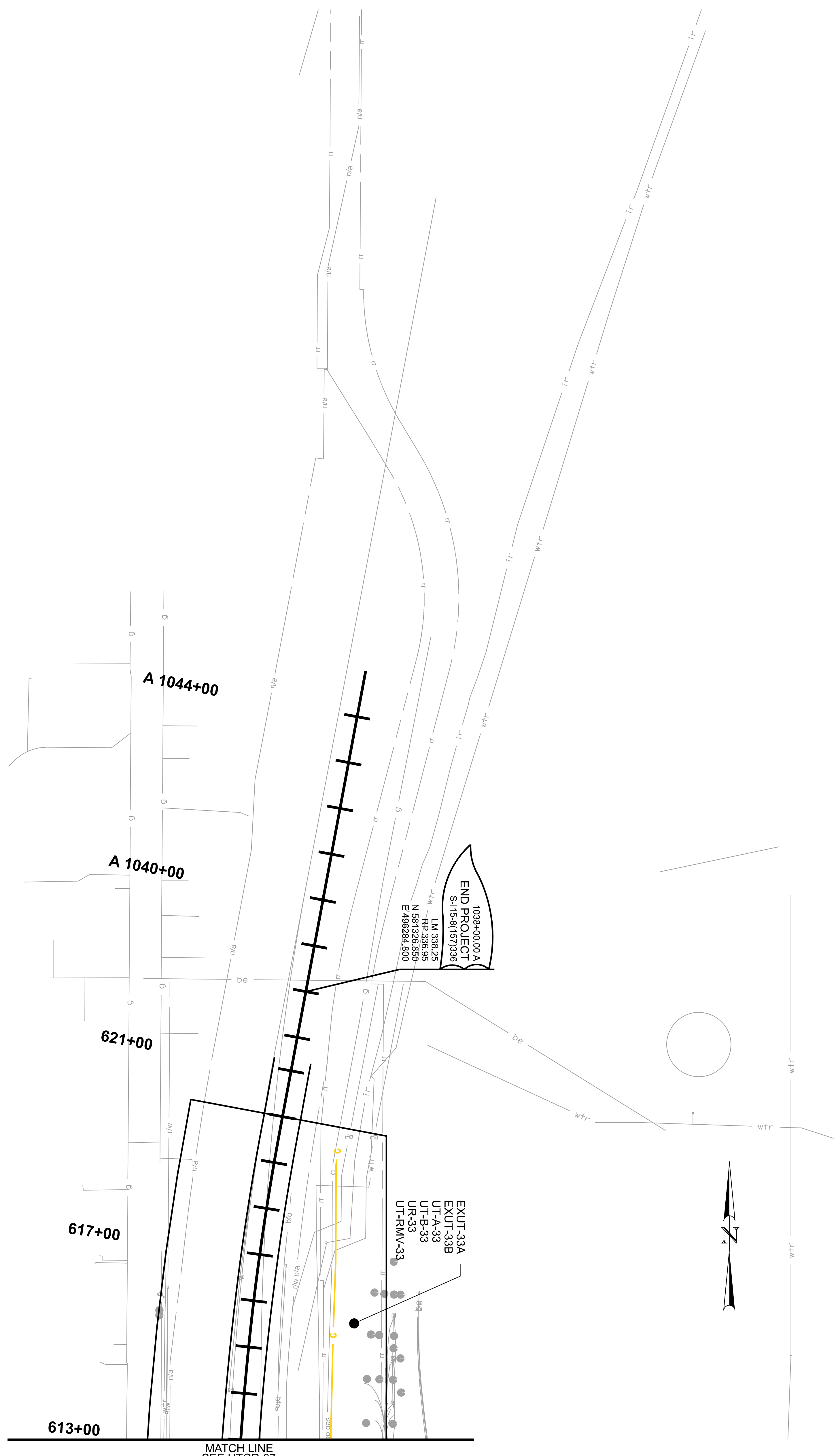
DRAWN BY: LCJ
QC CHECKED BY: MSN
7/8/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN: 15682
PROJECT NUMBER: S-I15-8(157)336
UTILITY CROSS REFERENCE

SHEET NO. UTCR-07

EXHIBIT A

REGION 1   8-JUL-2024   14:35   aellefson   DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 UTCR-08.dgn



NOTES:
1. SEE ITS SERIES FOR UDOT ITS INFORMATION.

PROJECT	I-15; 1800 NORTH INTERCHANGE		UTAH DEPARTMENT OF TRANSPORTATION JUB ENGINEERS, INC.	REVISIONS
PROJECT NUMBER	S-I15-8(157)336	PIN 15682	APPROVED ____ PROFESSIONAL ENGINEER; 7/8/2024 DATE	DRAWN BY LCJ; QC CHECKED BY MSN
	UTILITY CROSS REFERENCE			NO. / DATE / APPROVED BY / REMARKS

SHEET NO. UTCR-08

EXHIBIT B

CULINARY PIPE AND FITTINGS - 12 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
249+16.35 RT 49.67 TO 249+28.55 RT 49.64
249+28.55 RT 49.64 TO 255+17.89 RT 51.14
255+17.89 RT 51.14 TO 256+00.01 RT 49.57

11.25 DEG FITTING - 12 INCH (CLINTON)
SR-37 (1800 NORTH)
254+94.62 RT 51.64 (VERTICAL FITTING)

CROSS FITTING - 12 X 12 X 8 X 8 INCH (CLINTON)
SR-37 (1800 NORTH)
255+17.89 RT 51.14

TEE FITTING - 12 X 12 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
253+48.63 RT 52.86

TEE FITTING - 12 X 12 X 8 INCH (CLINTON)
SR-37 (1800 NORTH)
249+28.55 RT 49.64

PIPE COUPLING - 12 INCH (CLINTON)
SR-37 (1800 NORTH)
249+16.35 RT 49.67

CULINARY PIPE AND FITTINGS - 6 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
255+16.95 RT 114.52 TO 255+17.06 RT 116.52

PIPE COUPLING - 6 INCH (CLINTON)
SR-37 (1800 NORTH)
255+17.42 RT 124.51

CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
249+28.55 RT 49.64 TO 249+28.55 LT 60.33
255+16.84 RT 112.53 TO 255+20.78 RT 108.17
255+17.89 RT 51.14 TO 255+20.78 RT 108.17
255+16.84 RT 112.53 TO 255+17.42 RT 124.51

REDUCER FITTING - 8 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
255+17.31 RT 122.51

TEE FITTING - 8 X 8 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
255+18.73 RT 67.72

22.5 DEG FITTING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
255+17.68 RT 47.17 (VERTICAL FITTING)
255+17.80 RT 49.44 (VERTICAL FITTING)

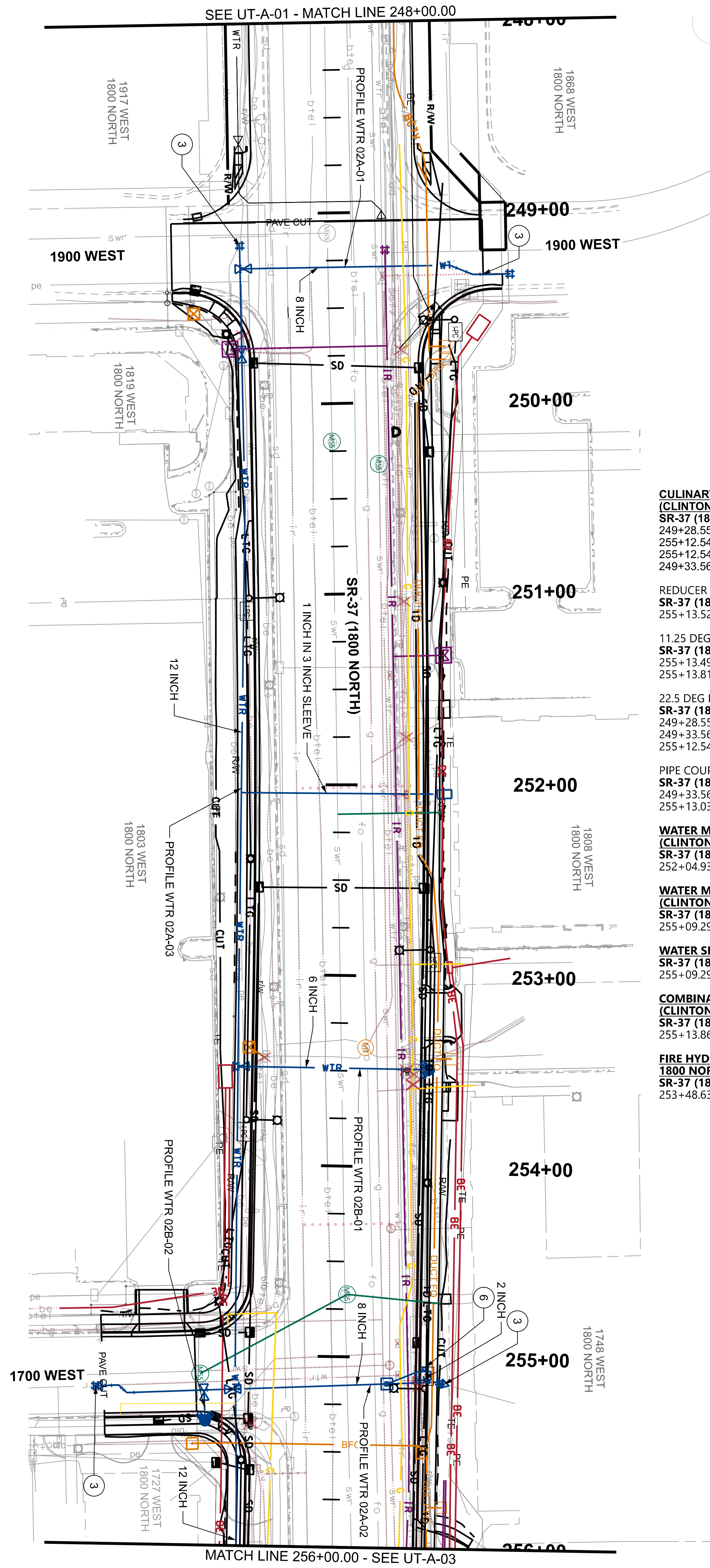
45 DEG FITTING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
255+16.84 RT 112.53
255+20.78 RT 108.17

GATE VALVE - 12 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
249+73.49 RT 49.52

GATE VALVE - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
249+28.54 RT 47.99
255+17.96 RT 52.64

FIRE HYDRANT ASSEMBLY, SHORT (CLINTON) REQ'D
SR-37 (1800 NORTH)
255+34.70 RT 66.91

WATER SERVICE - 1 INCH, IN 3 INCH SLEEVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
252+04.14 RT 52.57 TO 252+04.93 LT 54.00



CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
249+28.55 LT 60.33 TO 249+33.56 LT 72.40
255+12.54 LT 54.13 TO 255+13.03 LT 56.07
255+12.54 LT 54.13 TO 255+17.89 RT 51.14
249+33.56 LT 72.40 TO 249+33.56 LT 91.82

REDUCER FITTING - 8 X 4 INCH (CLINTON)
SR-37 (1800 NORTH)
255+13.52 LT 58.01

11.25 DEG FITTING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
255+13.49 LT 35.44 (VERTICAL FITTING)
255+13.81 LT 29.14 (VERTICAL FITTING)

22.5 DEG FITTING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
249+28.55 LT 60.33
249+33.56 LT 72.40
255+12.54 LT 54.13

PIPE COUPLING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
249+33.56 LT 91.82
255+13.03 LT 56.07

WATER METER BOX AND SETTER - 1 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
252+04.93 LT 54.00

WATER METER BOX AND SETTER - 2 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
255+09.29 LT 47.39

WATER SERVICE - 2 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
255+09.29 LT 47.39 TO 255+12.88 LT 47.57

COMBINATION AIR VALVE ASSEMBLY - 1 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
255+13.86 LT 28.17

FIRE HYDRANT ASSEMBLY, LONG (ACROSS 1800 NORTH) (CLINTON) REQ'D
SR-37 (1800 NORTH)
253+48.63 LT 47.51

NOTES:
1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.
6. COMBINATION AIR VALVE VENT.

PROJECT	I-15; 1800 NORTH INTERCHANGE		
PROJECT NUMBER	S-I15-8(157)336	PIN	15682
	UTILITY - WTR		

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

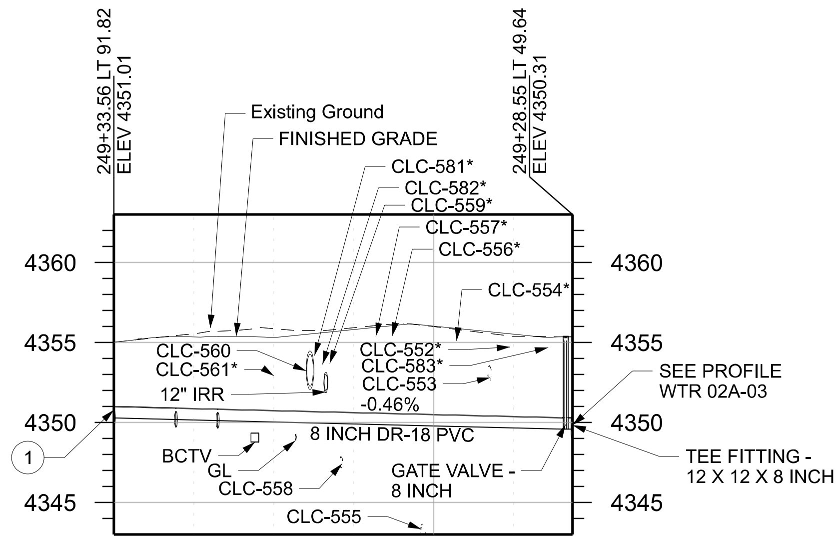
APPROVED
PROFESSIONAL ENGINEER
7/3/2024 DATE
DRAWN BY JMM
QC CHECKED BY CAS

REVISIONS

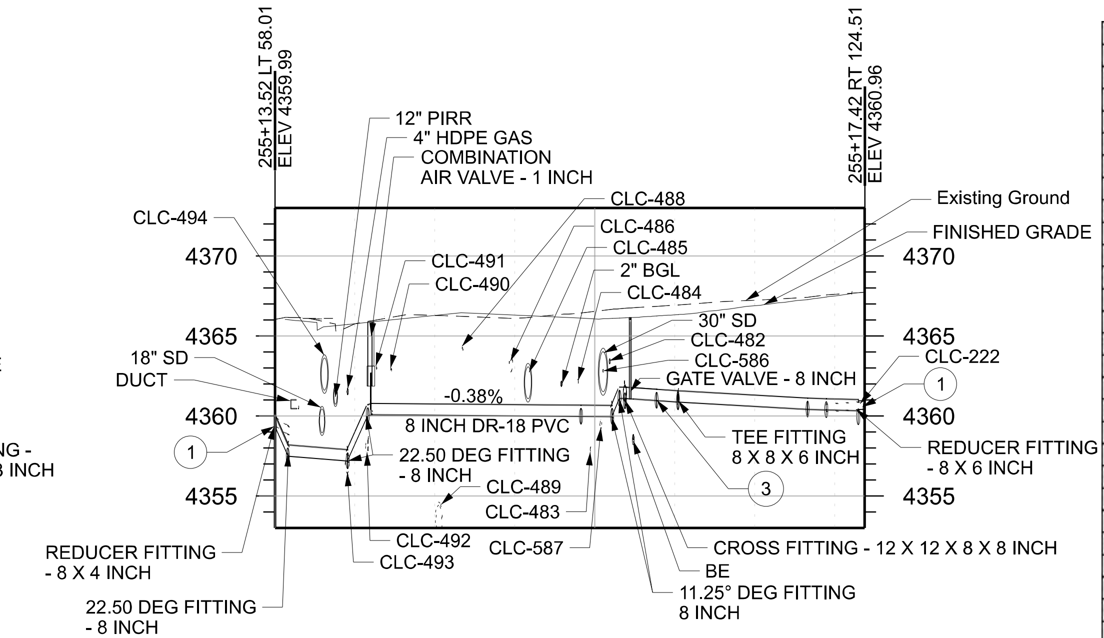
NO.	DATE	APPROVED BY	REMARKS

SHEET NO. UT-A-02

EXHIBIT B



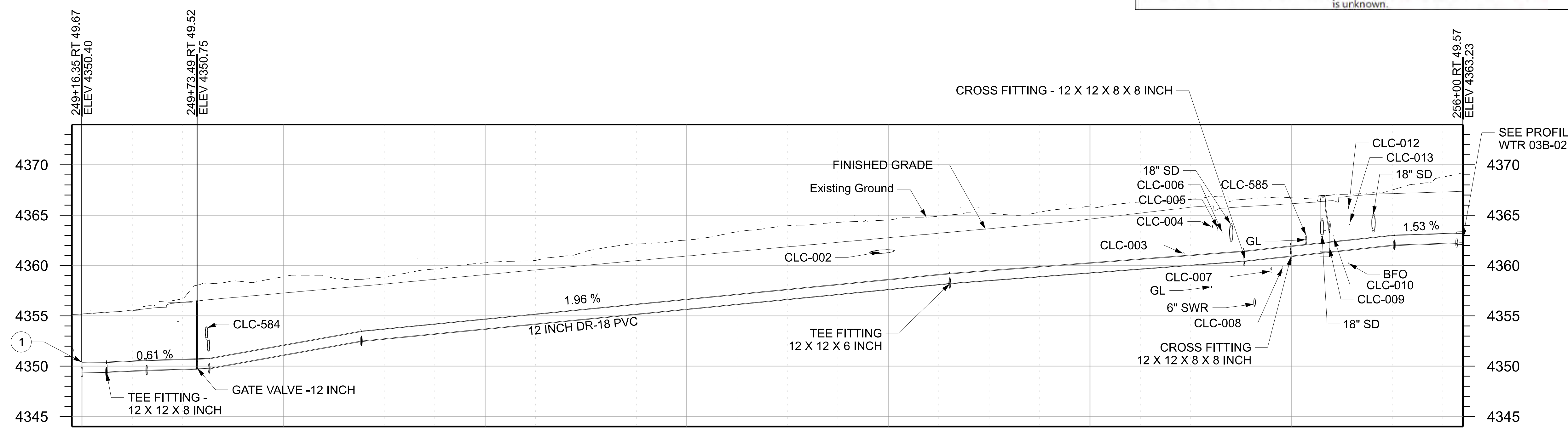
PROFILE WTR 02A-01



PROFILE WTR 02A-02

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-002	RMP	be		No Vertical Conflict
CLC-003	RMP	be		Loop Existing Utility - Vertical
CLC-004	CenturyLink	btel		No Vertical Conflict
CLC-005	Private	be		No Vertical Conflict
CLC-006	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-007	Clinton City	swr	6 inch	No Vertical Conflict
CLC-008	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-009	Clinton City	sd	18 inch	Remove Existing Utility
CLC-010	CenturyLink	bfo		No Vertical Conflict
CLC-012	Utopia	bfo		Remove Existing Utility
CLC-013	Comcast	bctv		Remove Existing Utility
CLC-222	Clinton City	wtr	6 inch	Connect to Existing Utility
CLC-482	RMP	be		No Vertical Conflict
CLC-483	RMP	be		Remove Existing Utility
CLC-484	CenturyLink	bfo		No Vertical Conflict
CLC-485	Clinton City	sd	24 inch	Remove Existing Utility
CLC-486	DWCCC	irr	12 inch	No Vertical Conflict
CLC-488	CenturyLink	btel		Remove Existing Utility
CLC-489	NDSD	swr	21 inch	No Vertical Conflict
CLC-490	CenturyLink	bfo		No Vertical Conflict
CLC-491	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-492	Clinton City	swr	8 inch	No Vertical Conflict
CLC-493	Clinton City	wtr	unk	Remove Existing Utility
CLC-494	LDS Church	irr	24 inch	Remove Existing Utility
CLC-552	Clinton City	sd	24 inch	No Vertical Conflict
CLC-553	LDS Church	irr	12 inch	No Vertical Conflict
CLC-554*	Century Link	btel		No Vertical Conflict
CLC-555	NDSD	swr	21 inch	No Vertical Conflict
CLC-556	CenturyLink	bfo		No Vertical Conflict
CLC-557*	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-558	NDSD	swr	8 inch	No Vertical Conflict
CLC-559*	Clinton City	wtr	14 inch	Remove Existing Utility
CLC-560	DWCCC	irr	24 inch	Remove Existing Utility
CLC-561*	CenturyLink	btel		No Vertical Conflict
CLC-581*	CenturyLink	bfo		No Vertical Conflict
CLC-582	Utopia	bfo		No Vertical Conflict
CLC-583*	RMP	be		Loop Existing Utility - Vertical
CLC-584	Clinton City	sd	12 inch	Remove Existing Utility
CLC-585	Dominion Energy	gas		No Vertical Conflict
CLC-586	Dominion Energy	gas		No Vertical Conflict
CLC-587	Clinton City	wtr	6 inch	Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.



PROFILE WTR 02A-03

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

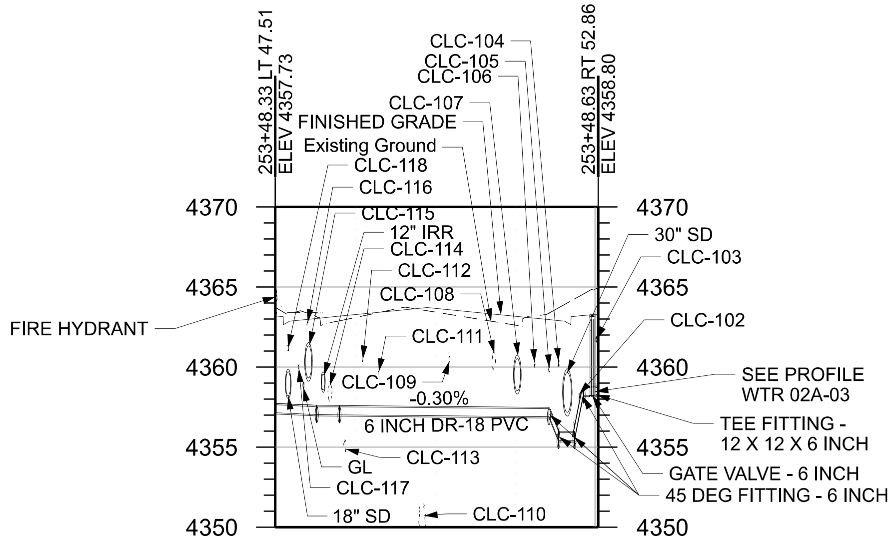
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY JMM
QC CHECKED BY CAS
APPROVED
7/3/2024
DATE
PROFESSIONAL ENGINEER

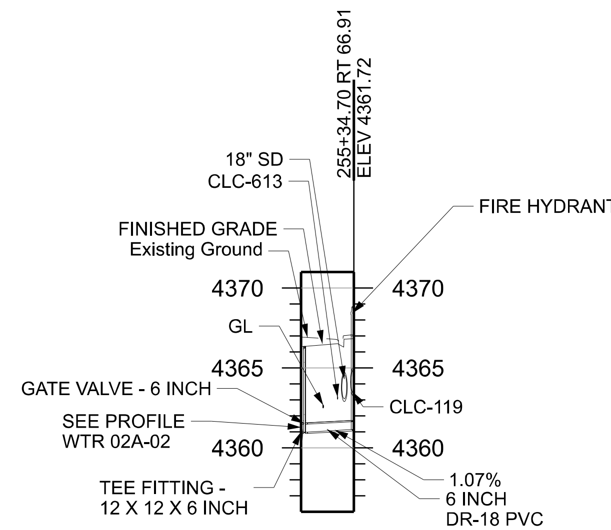
PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN 15682
WTR PROFILE

SHEET NO. UT-A-02A

EXHIBIT B



PROFILE WTR 02B-01



PROFILE WTR 02B-02

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-102	RMP	be		Adjust Existing Utility
CLC-103	RMP	be		No Vertical Conflict
CLC-104	CenturyLink	btel	4 inch	Remove Existing Utility
CLC-105	CenturyLink	bfo	4 inch	No Vertical Conflict
CLC-106	Private	be	4 inch	No Vertical Conflict
CLC-107	Clinton City	sd	24 inch	Remove Existing Utility
CLC-108	DWCCC	irr	12 inch	Remove Existing Utility
CLC-109	CenturyLink	btel		Remove Existing Utility
CLC-110	NDSD	swr	21 inch	No Vertical Conflict
CLC-111	CenturyLink	bfo	4 inch	No Vertical Conflict
CLC-112	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-113	Clinton City	swr	8 inch	No Vertical Conflict
CLC-114	Clinton City	wtr	14 inch	Remove Existing Utility
CLC-115	LDS Church	irr	24 inch	No Vertical Conflict
CLC-116	Comcast	bctv		No Vertical Conflict
CLC-117	RMP	be	4 inch	No Vertical Conflict
CLC-118	CenturyLink	btel		No Vertical Conflict
CLC-119	Clinton City	sd	18 inch	Remove Existing Utility
CLC-613	Dominion Energy	gas		No Vertical Conflict

*These Utilities are shown in the profile at their approximate horizontal location, but the r depth is unknown.

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

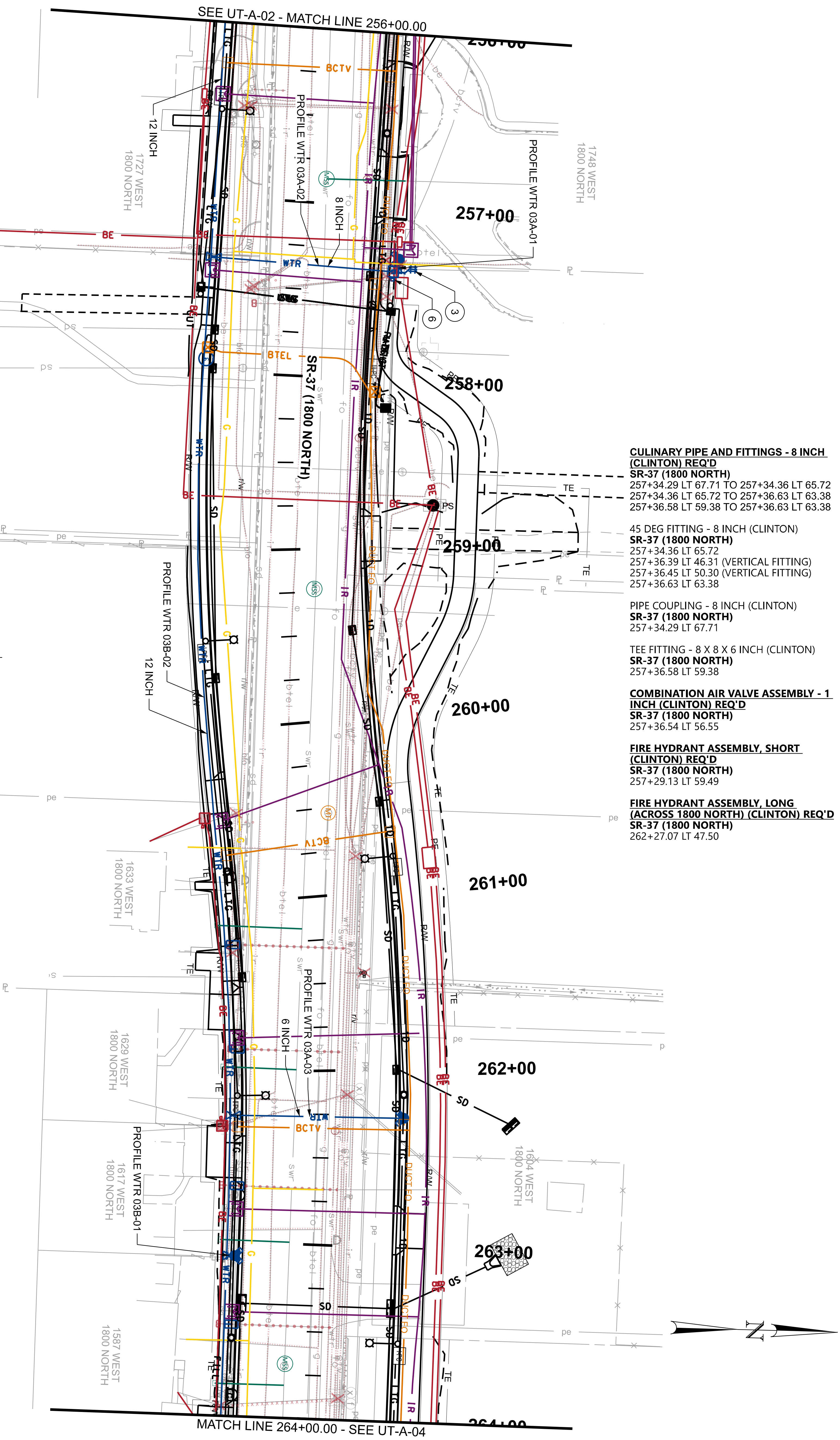
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY JMM
QC CHECKED BY CAS
7/3/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
WTR PROFILE

SHEET NO. UT-A-02B

EXHIBIT B



CULINARY PIPE AND FITTINGS - 12 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
257+35.06 RT 48.50 TO MATCH LINE RT 52.00
MATCH LINE RT 49.62 TO 257+35.06 RT 48.50

TEE FITTING - 12 X 12 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
262+25.68 RT 52.11
263+07.90 RT 52.00

TEE FITTING - 12 X 12 X 8 INCH (CLINTON)
SR-37 (1800 NORTH)
257+35.06 RT 48.50

CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
257+35.06 RT 48.50 TO 257+36.58 LT 59.38

GATE VALVE - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
257+35.08 RT 46.85

SAMPLING STATION ASSEMBLY (CLINTON) REQ'D
SR-37 (1800 NORTH)
257+92.69 RT 47.46

WATER METER BOX AND SETTER - 3/4 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
261+24.45 RT 47.50
261+86.40 RT 47.50
262+67.41 RT 47.49
263+47.24 RT 47.81

WATER SERVICE - 3/4 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
261+24.43 RT 52.17 TO 261+24.45 RT 47.50
261+86.37 RT 52.15 TO 261+86.40 RT 47.50
262+67.41 RT 47.49 TO 262+67.47 RT 52.12
263+47.24 RT 47.81 TO 263+47.24 RT 52.00

FIRE HYDRANT ASSEMBLY, SHORT (CLINTON) REQ'D
SR-37 (1800 NORTH)
263+07.89 RT 47.50

CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
257+34.29 LT 67.71 TO 257+34.36 LT 65.72
257+34.36 LT 65.72 TO 257+36.63 LT 63.38
257+36.58 LT 59.38 TO 257+36.63 LT 63.38

45 DEG FITTING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
257+34.36 LT 65.72
257+36.39 LT 46.31 (VERTICAL FITTING)
257+36.45 LT 50.30 (VERTICAL FITTING)
257+36.63 LT 63.38

PIPE COUPLING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
257+34.29 LT 67.71

TEE FITTING - 8 X 8 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
257+36.58 LT 59.38

COMBINATION AIR VALVE ASSEMBLY - 1 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
257+36.54 LT 56.55

FIRE HYDRANT ASSEMBLY, SHORT (CLINTON) REQ'D
SR-37 (1800 NORTH)
257+29.13 LT 59.49

FIRE HYDRANT ASSEMBLY, LONG (ACROSS 1800 NORTH) (CLINTON) REQ'D
SR-37 (1800 NORTH)
262+27.07 LT 47.50

NOTES:
1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.
6. COMBINATION AIR VALVE VENT.

PROJECT	I-15; 1800 NORTH INTERCHANGE		
PROJECT NUMBER	S-I15-8(157)336	PIN	15682
	UTILITY - WTR		

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED

PROFESSIONAL ENGINEER

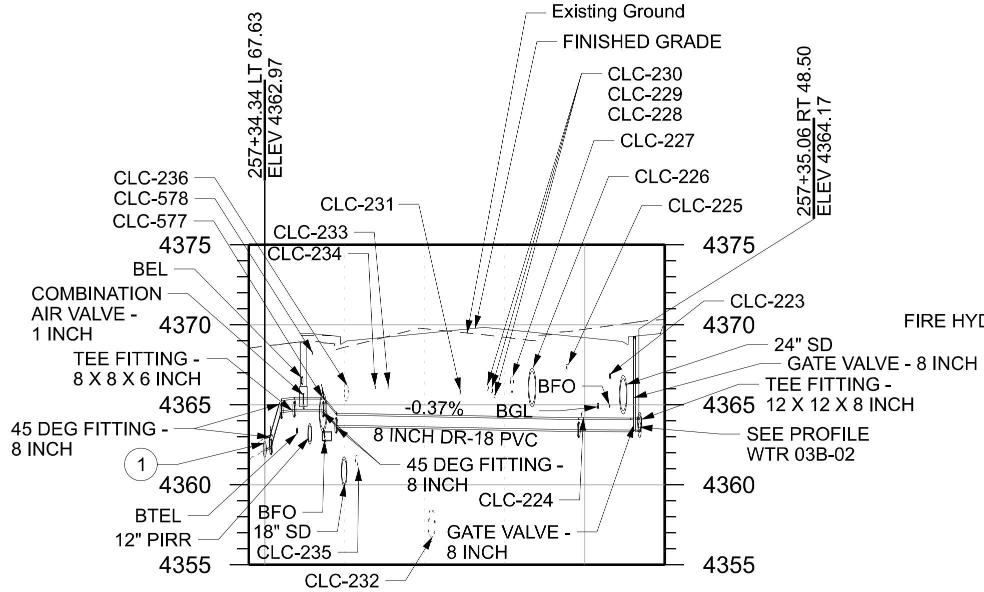
7/3/2024
DATE

DRAWN BY JMM
QC CHECKED BY CAS

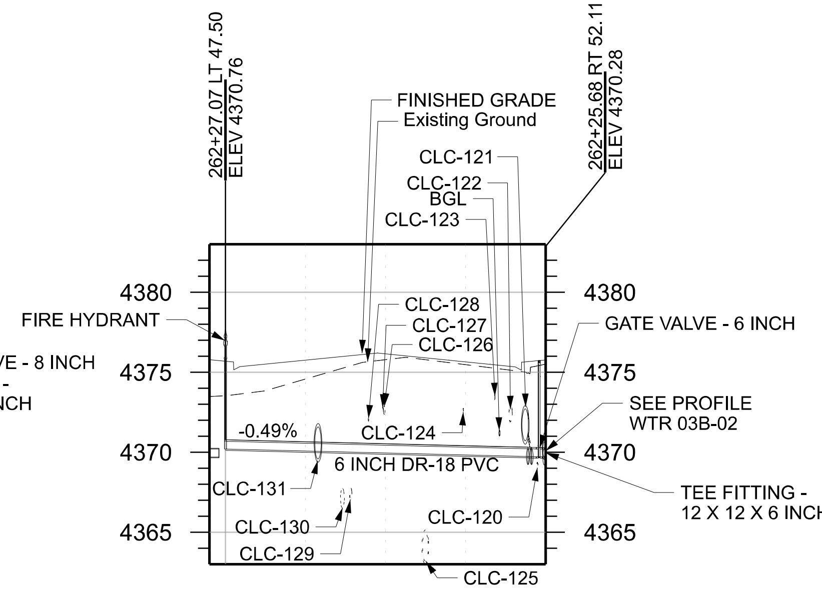
REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

SHEET NO. UT-A-03

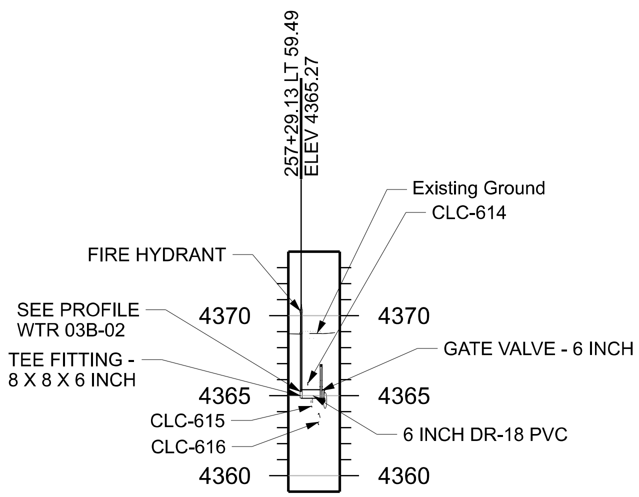
EXHIBIT B



PROFILE WTR 03A-02



PROFILE WTR 03A-03



PROFILE WTR 03A-01

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-120	Utopia	bfo		Remove Existing Utility
CLC-121	Clinton City	sd	24 inch	Remove Existing Utility
CLC-122	DWCCC	irr	12 inch	Remove Existing Utility
CLC-123	CenturyLink	btel		Remove Existing Utility
CLC-124	CenturyLink	btel		No Vertical Conflict
CLC-125	NDSD	swr	21 inch	No Vertical Conflict
CLC-126	CenturyLink	bfo		No Vertical Conflict
CLC-127	CenturyLink	btel		No Vertical Conflict
CLC-128	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-129	Clinton City	swr	8 inch	No Vertical Conflict
CLC-130	Clinton City	wtr	14 inch	Remove Existing Utility
CLC-131	LDS Church	irr	24 inch	Remove Existing Utility
CLC-223	RMP	be		No Vertical Conflict
CLC-224	Utopia	bfo		Remove Existing Utility
CLC-225	Comcast	bctv		Remove Existing Utility
CLC-226	Clinton City	sd	24 inch	Remove Existing Utility
CLC-227	DWCCC	irr	12 inch	Remove Existing Utility
CLC-228	CenturyLink	btel		Remove Existing Utility
CLC-229	CenturyLink	btel		Protect in Place Existing Utility
CLC-230	CenturyLink	btel		Protect in Place Existing Utility
CLC-231	CenturyLink	btel		Remove Existing Utility
CLC-232	NDSD	swr	21 inch	No Vertical Conflict
CLC-233	CenturyLink	bfo		No Vertical Conflict
CLC-234	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-235	Clinton City	swr	8 inch	No Vertical Conflict
CLC-236	Clinton City	wtr	unk	Remove Existing Utility
CLC-577	LDS Church	irr	24 inch	Remove Existing Utility
CLC-578	COM	bctv		No Vertical Conflict
CLC-614	Dominion Energy	gas		No Vertical Conflict
CLC-615	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-616	Clinton City	wtr	8 inch	Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY JMM

QC CHECKED BY CAS

DATE 7/3/2024

APPROVED

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

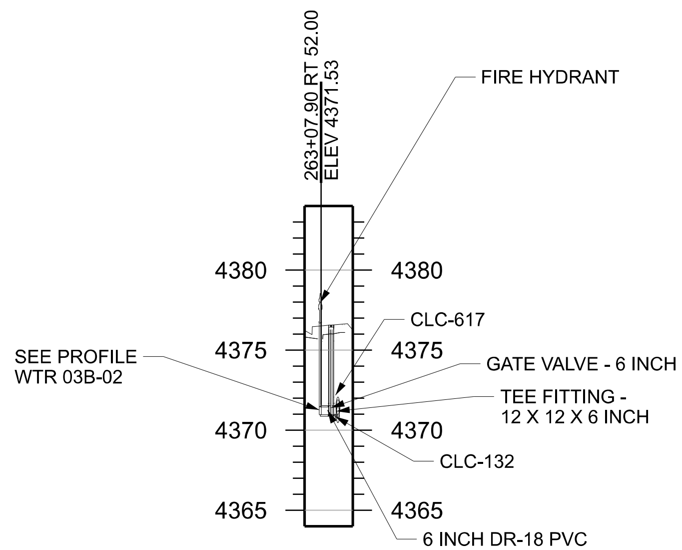
PIN 15682

PROJECT NUMBER: S-I15-8(157)336

WTR PROFILE

SHEET NO. UT-A-03A

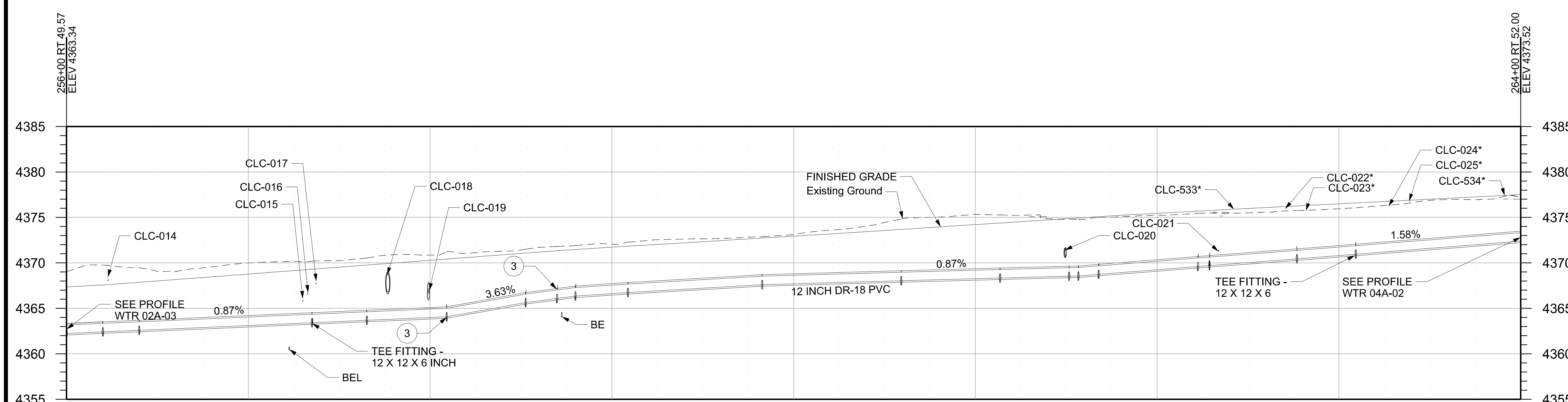
EXHIBIT B



PROFILE WTR 03B-01

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-014	Comcast	bctv		No Vertical Conflict
CLC-015	RMP	be		No Vertical Conflict
CLC-016	CenturyLink	btel		No Vertical Conflict
CLC-017	Comcast	bctv		No Vertical Conflict
CLC-018	Clinton City	sd	24 inch	No Vertical Conflict
CLC-019	Clinton City	sd	10 inch	No Vertical Conflict
CLC-020	Clinton City	sd	10 inch	No Vertical Conflict
CLC-021	CenturyLink	btel		Loop Existing Utility - Vertical
CLC-022*	Clinton City	wtr	.75 inch	Remove Existing Utility
CLC-023*	DWCCC	irr	1 inch	Remove Existing Utility
CLC-024*	DWCCC	irr	1 inch	Remove Existing Utility
CLC-025*	Clinton City	wtr	.75 inch	Remove Existing Utility
CLC-132	Utopia	bfo	.75 inch	Remove Existing Utility
CLC-533*	RMP	epp	1 inch	Remove Existing Utility
CLC-534*	RMP	epp	1 inch	Remove Existing Utility
CLC-617	Clinton City	sd	24 inch	Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.



PROFILE WTR 03B-02

NOTES:

1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY JMM

QC CHECKED BY CAS

7/3/2024 DATE

PROFESSIONAL ENGINEER

APPROVED

PROJECT: I-15; 1800 NORTH INTERCHANGE

PIN 15682

PROJECT NUMBER S-I15-8(157)336

WTR PROFILE

SHEET NO. UT-A-03B

EXHIBIT B

CULINARY PIPE AND FITTINGS - 10 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
268+30.00 RT 51.84 TO 268+30.00 LT 76.54
268+30.00 RT 51.84 TO 268+30.00 RT 84.25
268+30.00 RT 84.25 TO 268+30.00 RT 122.18
268+23.51 RT 140.50 TO 268+23.71 RT 128.50
268+23.71 RT 128.50 TO 268+30.00 RT 122.18

11.25 DEG FITTING - 10 INCH (CLINTON)
SR-37 (1800 NORTH)
268+30.00 RT 33.22 (VERTICAL FITTING)
268+30.00 RT 40.72 (VERTICAL FITTING)
268+30.00 RT 55.87 (VERTICAL FITTING)
268+30.00 RT 62.72 (VERTICAL FITTING)

TEE FITTING - 10 X 10 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
268+30.00 RT 84.25

45 DEG FITTING - 10 INCH (CLINTON)
SR-37 (1800 NORTH)
268+23.71 RT 128.50
268+30.00 RT 87.25

PIPE COUPLING - 10 INCH (CLINTON)
SR-37 (1800 NORTH)
268+23.51 RT 140.50

CULINARY PIPE AND FITTINGS - 12 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
MATCH LINE RT 52.00 TO 268+28.00 RT 51.86

11.25 DEG FITTING - 12 INCH (CLINTON)
SR-37 (1800 NORTH)
268+11.83 RT 51.90 (VERTICAL FITTING)
268+17.83 RT 51.89 (VERTICAL FITTING)

TEE FITTING - 12 X 12 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
265+15.53 RT 52.00
265+96.12 RT 52.00

CULINARY PIPE AND FITTINGS - 16 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
268+28.00 RT 51.86 TO 268+30.00 RT 51.87
268+30.00 RT 51.87 TO MATCH LINE RT 52.00

REDUCER FITTING - 16 X 12 INCH (CLINTON)
SR-37 (1800 NORTH)
268+28.00 RT 51.86

TEE FITTING - 16 X 16 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
270+50.40 RT 52.19

CROSS FITTING - 16 X 16 X 10 X 10 INCH (CLINTON)
SR-37 (1800 NORTH)
268+30.00 RT 51.87

GATE VALVE - 10 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
268+30.00 RT 46.84
268+30.00 RT 53.99

GATE VALVE - 12 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
267+44.93 RT 51.92

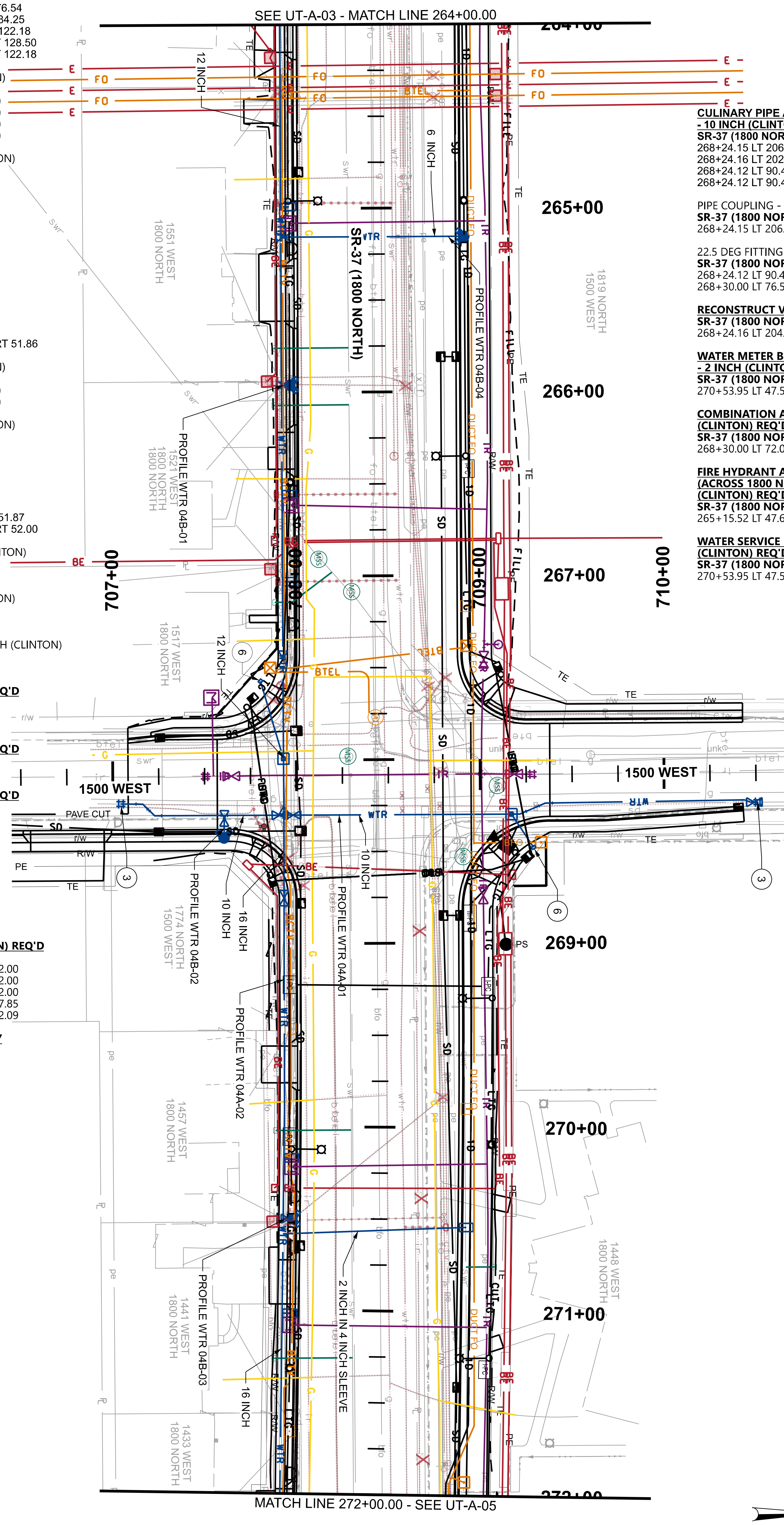
GATE VALVE - 16 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
268+75.11 RT 51.99

WATER METER BOX AND SETTER - 3/4 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
264+98.96 RT 47.50
266+55.58 RT 48.07
267+03.00 RT 48.11
270+17.07 RT 47.85
271+01.85 RT 47.97

WATER SERVICE - 3/4 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
264+98.96 RT 47.50 TO 264+98.96 RT 52.00
266+55.58 RT 48.07 TO 266+55.58 RT 52.00
267+03.00 RT 48.11 TO 267+03.00 RT 52.00
270+17.07 RT 52.15 TO 270+17.07 RT 47.85
271+01.85 RT 47.97 TO 271+01.88 RT 52.09

COMBINATION AIR VALVE ASSEMBLY - 2 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
267+99.27 RT 51.92

FIRE HYDRANT ASSEMBLY, SHORT (CLINTON) REQ'D
SR-37 (1800 NORTH)
265+96.09 RT 47.50
268+42.27 RT 84.46
270+50.40 RT 47.50



CULINARY PIPE AND FITTINGS - 10 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
268+24.15 LT 206.04 TO 268+24.16 LT 202.04
268+24.16 LT 202.04 TO 268+22.92 LT 198.94
268+24.12 LT 90.49 TO 268+30.00 LT 76.54
268+24.12 LT 90.49 TO 268+22.92 LT 198.94

PIPE COUPLING - 10 INCH (CLINTON)
SR-37 (1800 NORTH)
268+24.15 LT 206.04

22.5 DEG FITTING - 10 INCH (CLINTON)
SR-37 (1800 NORTH)
268+24.12 LT 90.49
268+30.00 LT 76.54

RECONSTRUCT VALVE BOX (CLINTON) REQ'D
SR-37 (1800 NORTH)
268+24.16 LT 204.21

WATER METER BOX AND SETTER - 2 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
270+53.95 LT 47.50

COMBINATION AIR VALVE ASSEMBLY - 2 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
268+30.00 LT 72.03

FIRE HYDRANT ASSEMBLY, LONG (ACROSS 1800 NORTH) (CLINTON) REQ'D
SR-37 (1800 NORTH)
265+15.52 LT 47.60

WATER SERVICE - 2 INCH, IN 4 INCH SLEEVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
270+53.95 LT 47.54 TO 270+58.78 RT 52.18

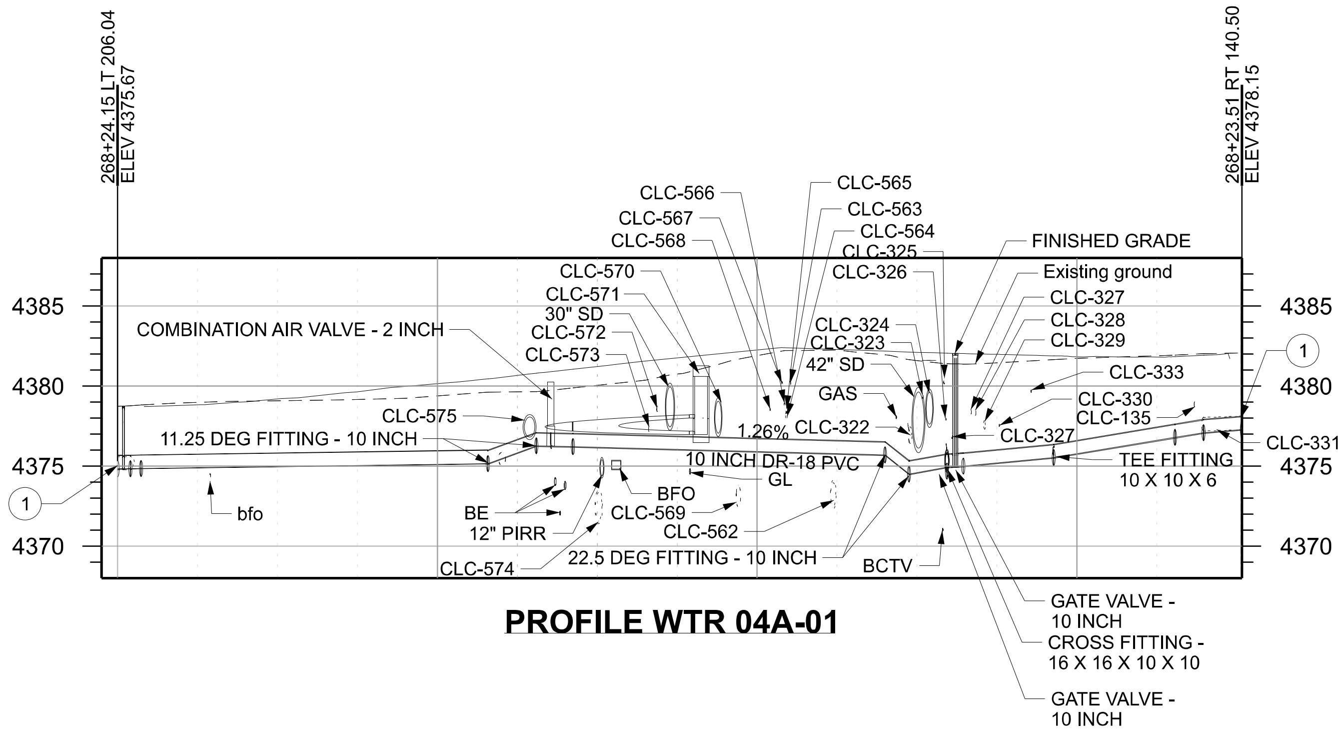
NOTES:
1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.
6. COMBINATION AIR VALVE VENT.

PROJECT	I-15; 1800 NORTH INTERCHANGE	UTAH DEPARTMENT OF TRANSPORTATION
PROJECT NUMBER	S-I15-8(157)336	JUB ENGINEERS, INC.
PIN	15682	APPROVED
	UTILITY - WTR	PROFESSIONAL ENGINEER
DATE	7/3/2024	
DRAWN BY	JMM	
QC CHECKED BY	CAS	
SHEET NO.	UT-A-04	

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

EXHIBIT B

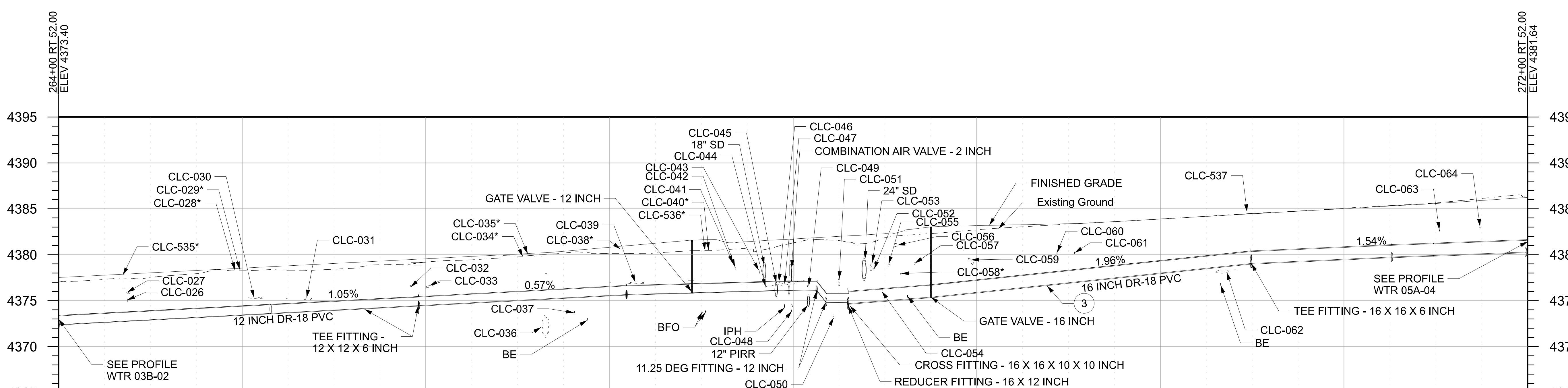


PROFILE WTR 04A-01

Conflict ID Number	Owner	Utility	Size	Final Disposition	Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-026	CenturyLink	btel		Protect in Place Existing Utility	CLC-060	Comcast	bctv		No Vertical Conflict
CLC-027	Comcast	bctv		No Vertical Conflict	CLC-061	Comcast	bctv		No Vertical Conflict
CLC-028*	Clinton City	wtr	.75 inch	Remove Existing Utility	CLC-062	CenturyLink	btel		Adjust Existing Utility
CLC-029*	DWCCC	irr	1 inch	Remove Existing Utility	CLC-063	Comcast	bctv		No Vertical Conflict
CLC-030	Comcast	bctv		Remove Existing Utility	CLC-064	Comcast	bctv		No Vertical Conflict
CLC-031	Comcast	bctv		Adjust Existing Utility	CLC-135	CenturyLink	btel		Remove Existing Utility
CLC-032	RMP	be		Remove Existing Utility	CLC-322	DWCCC	irr	12 inch	Remove Existing Utility
CLC-033	Comcast	bctv		Remove Existing Utility	CLC-323	CenturyLink	btel		Remove Existing Utility
CLC-034*	Clinton City	wtr	unk	Abandon Existing Utility	CLC-324	Clinton City	sd	24 inch	Remove Existing Utility
CLC-035*	DWCCC	irr	1 inch	Remove Existing Utility	CLC-325	Utopia	bfo		No Vertical Conflict
CLC-036	NDSD	swr	21 inch	No Vertical Conflict	CLC-326	Comcast	bctv		No Vertical Conflict
CLC-037	Clinton City	wtr	.75 inch	Abandon Existing Utility	CLC-327	CenturyLink	btel		No Vertical Conflict
CLC-038*	DWCCC	irr	1 inch	Remove Existing Utility	CLC-328	CenturyLink	btel		No Vertical Conflict
CLC-039	Comcast	bctv		Adjust Existing Utility	CLC-329	UDOT	be		No Vertical Conflict
CLC-040		irr	unk	Abandon Existing Utility	CLC-330	Clinton City	wtr	6 inch	Abandon Existing Utility
CLC-041	CenturyLink	btel		No Vertical Conflict	CLC-331	Clinton City	wtr	10 inch	Connect to Existing Utility
CLC-042	CenturyLink	btel		No Vertical Conflict	CLC-333	Dominion Energy	gas	unk	No Vertical Conflict
CLC-043	CenturyLink	btel		No Vertical Conflict	CLC-535*	CenturyLink	btel ped		Remove Existing Utility
CLC-044	Comcast	bctv		Adjust Existing Utility	CLC-536*	DWCCC	irr av		Remove Existing Utility
CLC-045	Clinton City	sd	15 inch	Remove Existing Utility	CLC-537	RMP	epp		Remove Existing Utility
CLC-046	Dominion Energy	gas	3 inch	Loop Existing Utility - Vertical	CLC-562	NDSD	swr	18 inch	No Vertical Conflict
CLC-047	Comcast	bctv		Loop Existing Utility - Vertical	CLC-563		btel	4 inch	No Vertical Conflict
CLC-048	Clinton City	swr	8 inch	No Vertical Conflict	CLC-564		btel	4 inch	No Vertical Conflict
CLC-049	DWCCC	irr	12 inch	No Vertical Conflict	CLC-565		bfo	6 inch	No Vertical Conflict
CLC-050	Dominion Energy	gas	6 inch	Protect in Place Existing Utility	CLC-566		btel	4 inch	No Vertical Conflict
CLC-051	Clinton City	wtr	10 inch	Remove Existing Utility	CLC-567		btel	4 inch	No Vertical Conflict
CLC-052	Comcast	bctv		No Vertical Conflict	CLC-568	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-053	CenturyLink	btel		No Vertical Conflict	CLC-569	Clinton City	wtr	unk	Remove Existing Utility
CLC-054	UDOT	be		Loop Existing Utility - Vertical	CLC-570	LDS Church	irr	24 inch	Remove Existing Utility
CLC-055	CenturyLink	btel		No Vertical Conflict	CLC-571	Clinton City	sd	15 inch	Remove Existing Utility
CLC-056	Utopia	bfo		No Vertical Conflict	CLC-572		bfo	4 inch	Remove Existing Utility
CLC-057	Comcast	bctv		No Vertical Conflict	CLC-573	UDOT	be		No Vertical Conflict
CLC-058*	Clinton City	wtr	1.5 inch	Abandon Existing Utility	CLC-574	Clinton City	swr	21 inch	No Vertical Conflict
CLC-059	CenturyLink	btel		No Vertical Conflict	CLC-575	Clinton City	sd	15 inch	Remove Existing Utility
*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.					*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.				

NOTES:

1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.



PROFILE WTR 04A-02

CLINTON CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY: JMM

QC CHECKED BY: CAS

DATE: 7/3/2024

APPROVED

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

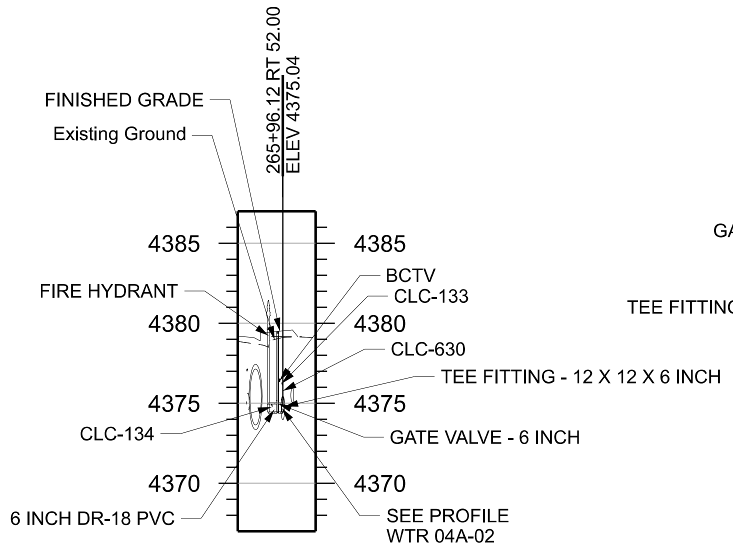
PIN: 15682

PROJECT NUMBER: S-I15-8(157)336

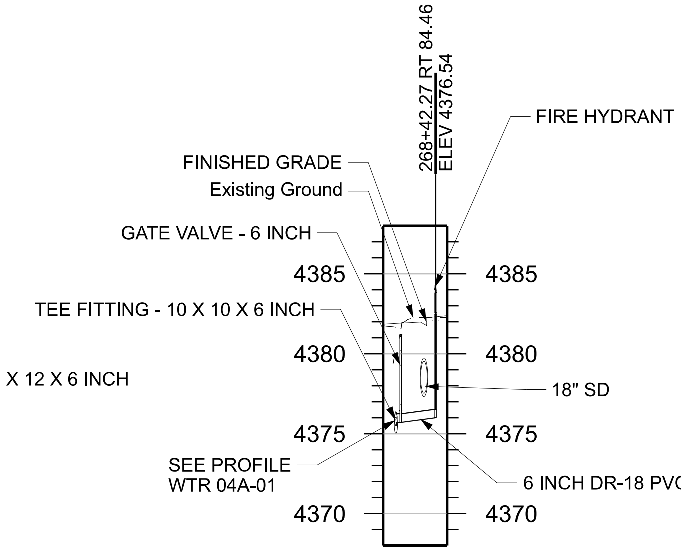
WTR PROFILE

SHEET NO. UT-A-04A

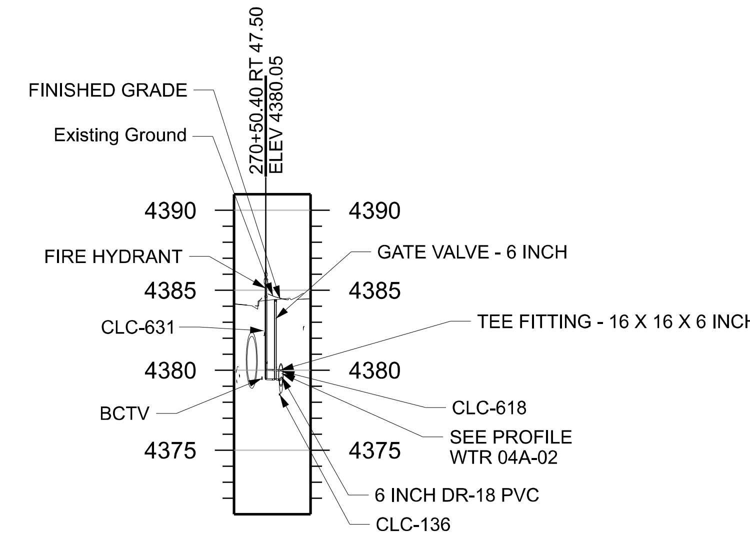
EXHIBIT B



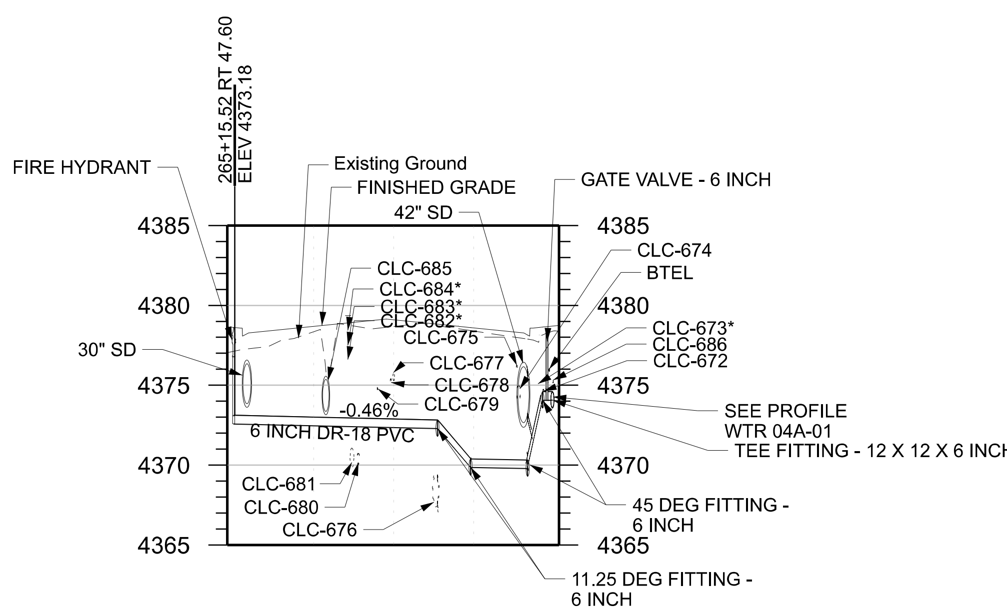
PROFILE WTR 04B-01



PROFILE WTR 04B-02



PROFILE WTR 04B-03



PROFILE WTR 04B-04

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-133	Comcast	bctv	2 inch	No Vertical Conflict
CLC-134	Utopia	bfo	4 inch	Remove Existing Utility
CLC-136	CenturyLink	btel		Adjust Existing Utility
CLC-618	Clinton City	wtr		Remove Existing Utility
CLC-630	Clinton City	sd	24 inch	Remove Existing Utility
CLC-631	Comcast	bctv		Remove Existing Utility
CLC-672	Utopia	bfo		Remove Existing Utility
CLC-673	Clinton City	sd		No Vertical Conflict
CLC-674	DWCCC	irr		Remove Existing Utility
CLC-675	Clinton City	btel		Remove Existing Utility
CLC-676	NDSD	swr	21 inch	No Vertical Conflict
CLC-677	CenturyLink	bfo		No Vertical Conflict
CLC-678	CenturyLink	btel		No Vertical Conflict
CLC-679	ominion Ener	gas	2 inch	Remove Existing Utility
CLC-680	Clinton City	swr	8 inch	No Vertical Conflict
CLC-681	Clinton City	wtr	14 inch	Remove Existing Utility
CLC-682	Comcast	bfo		Remove Existing Utility
CLC-683	RMP	be		Remove Existing Utility
CLC-684	Comcast	bctv		Remove Existing Utility
CLC-685	LDS Church	irr		Remove Existing Utility
CLC-686	Comcast	bctv		Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.

NOTES:

1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY JMM
QC CHECKED BY CAS
APPROVED
PROFESSIONAL ENGINEER
DATE 7/3/2024

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
UTILITY - WTR

SHEET NO. UT-A-04B

EXHIBIT B

REGION 1 3-JUL-2024 09:56 mnelson DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682_I-15_1800_NORTH_INTERCHANGE/Utilities/15682_UT-A-05.dgn

CULINARY PIPE AND FITTINGS - 16 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
272+99.86 RT 52.00 TO 278+89.48 RT 52.00
278+89.48 RT 52.00 TO MATCH LINE RT 52.09
MATCH LINE RT 52.00 TO 272+99.86 RT 52.00

TEE FITTING - 16 X 16 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
272+47.00 RT 52.00
275+37.00 RT 52.00
277+49.41 RT 52.00

TEE FITTING - 16 X 16 X 8 INCH (CLINTON)
SR-37 (1800 NORTH)
272+99.86 RT 52.00
278+89.48 RT 52.00

CULINARY PIPE AND FITTINGS - 6 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
273+06.55 RT 96.67 TO 273+06.68 RT 98.81
278+92.15 RT 93.12 TO 278+92.11 RT 95.12

PIPE COUPLING - 6 INCH (CLINTON)
SR-37 (1800 NORTH)
273+06.68 RT 98.81
278+92.11 RT 95.12

CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
272+99.86 RT 52.00 TO 273+01.05 RT 71.66
273+01.05 RT 71.66 TO 273+01.65 RT 81.61
273+01.65 RT 81.61 TO 273+05.87 RT 85.36
273+05.87 RT 85.36 TO 273+06.55 RT 96.67
278+92.36 RT 83.12 TO 278+92.15 RT 93.12
278+90.17 RT 77.51 TO 278+92.36 RT 83.12
278+89.48 RT 52.00 TO 278+90.17 RT 77.51

REDUCER FITTING - 8 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
273+06.56 RT 96.81
278+92.15 RT 93.12

TEE FITTING - 8 X 8 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
273+01.05 RT 71.66

45 DEG FITTING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
273+01.65 RT 81.61
273+05.87 RT 85.36

22.5 DEG FITTING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
278+90.17 RT 77.51
278+92.36 RT 83.12

GATE VALVE - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
272+99.96 RT 53.70
278+89.51 RT 52.95

SAMPLING STATION ASSEMBLY (CLINTON) REQ'D
SR-37 (1800 NORTH)
275+30.77 RT 47.49

WATER METER BOX AND SETTER - 1 1/2 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
273+20.73 RT 67.92

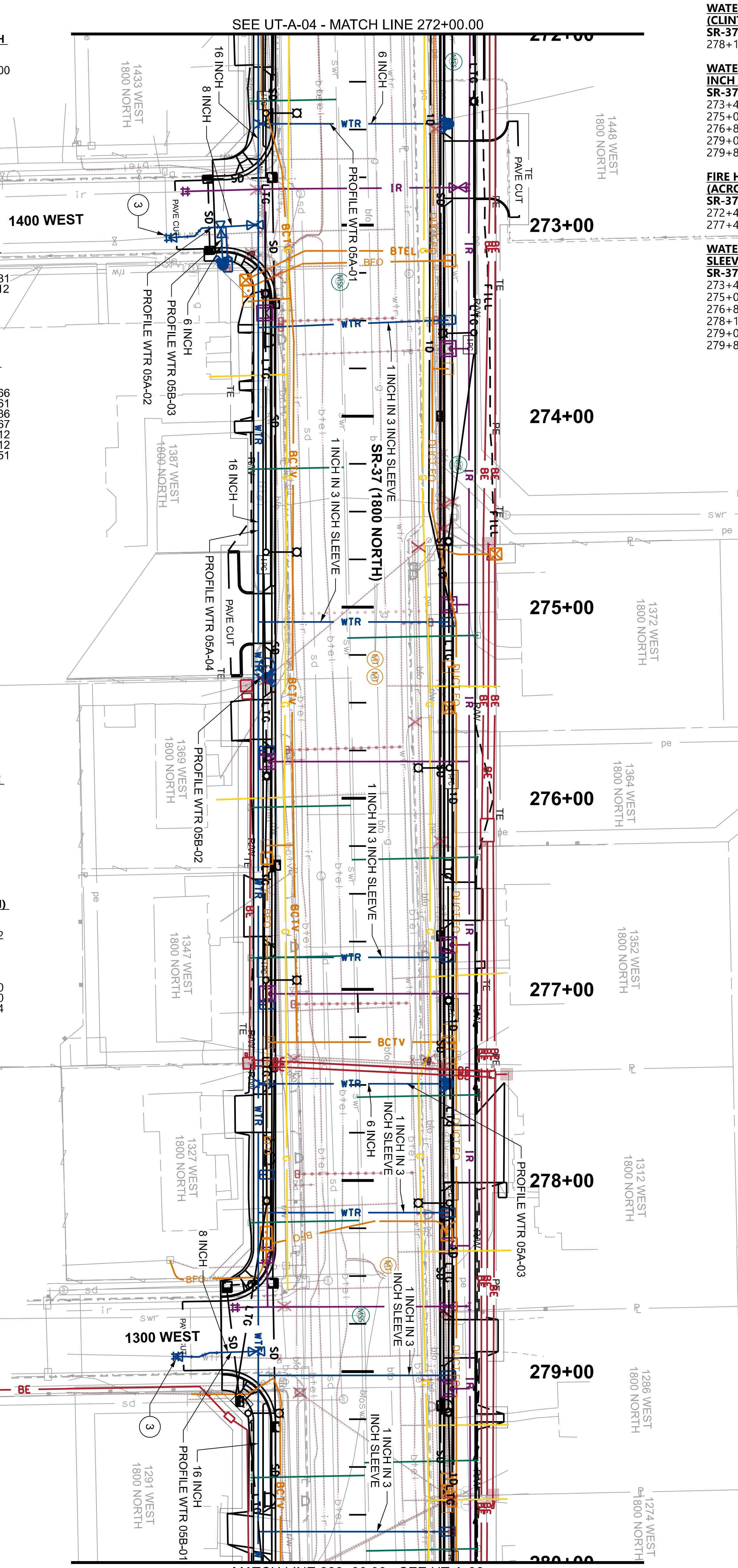
WATER METER BOX AND SETTER - 3/4 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
275+75.01 RT 47.50
277+07.99 RT 47.50
277+96.94 RT 47.50

WATER SERVICE - 1 1/2 INCH, (CLINTON) REQ'D
SR-37 (1800 NORTH)
273+00.88 RT 68.96 TO 273+22.46 RT 67.92

WATER SERVICE - 3/4 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
275+75.01 RT 52.00 TO 275+75.01 RT 47.50
277+07.99 RT 52.00 TO 277+07.99 RT 47.50
277+96.94 RT 52.00 TO 277+96.94 RT 47.44

FIRE HYDRANT ASSEMBLY, SHORT (CLINTON) REQ'D
SR-37 (1800 NORTH)
273+20.66 RT 70.48
275+37.00 RT 47.50

PIPE SUPPORT (CLINTON) REQ'D
SR-37 (1800 NORTH)
272+89.55 RT 51.98



WATER METER BOX AND SETTER - 1 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
278+16.89 LT 47.50

WATER METER BOX AND SETTER - 3/4 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
273+49.66 LT 47.50
275+07.69 LT 47.50
276+83.27 LT 47.50
279+02.00 LT 47.50
279+83.77 LT 47.50

FIRE HYDRANT ASSEMBLY, LONG (ACROSS 1800 NORTH) (CLINTON) REQ'D
SR-37 (1800 NORTH)
272+47.00 LT 47.50
277+49.41 LT 47.50

WATER SERVICE - 1 INCH, IN 3 INCH SLEEVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
273+49.66 LT 47.50 TO 273+53.66 RT 52.00
275+07.69 LT 47.50 TO 275+07.69 RT 52.00
276+83.27 LT 47.50 TO 276+83.27 RT 52.00
278+16.89 LT 47.50 TO 278+16.89 RT 52.00
279+02.00 LT 47.50 TO 279+02.00 RT 52.01
279+83.77 LT 47.50 TO 279+83.77 RT 52.08

NOTES:
1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.

PROJECT	I-15; 1800 NORTH INTERCHANGE		
PROJECT NUMBER	S-I15-8(157)336	PIN	15682
	UTILITY - WTR		
SHEET NO.	UT-A-05		

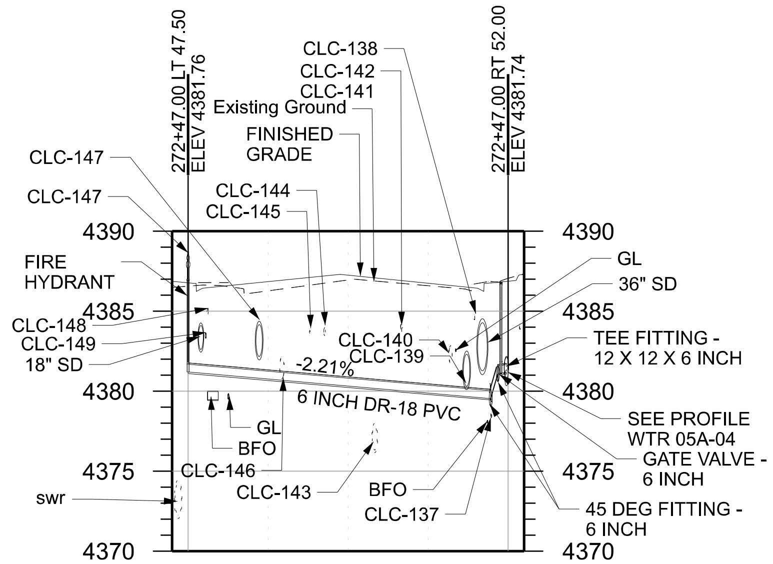
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED
PROFESSIONAL ENGINEER
7/3/2024 DATE
DRAWN BY JMM
QC CHECKED BY CAS

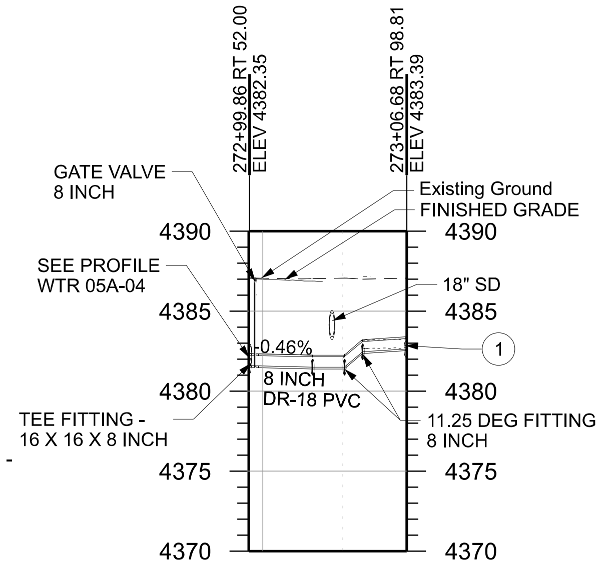
REVISIONS

NO.	DATE	APPROVED BY	REMARKS

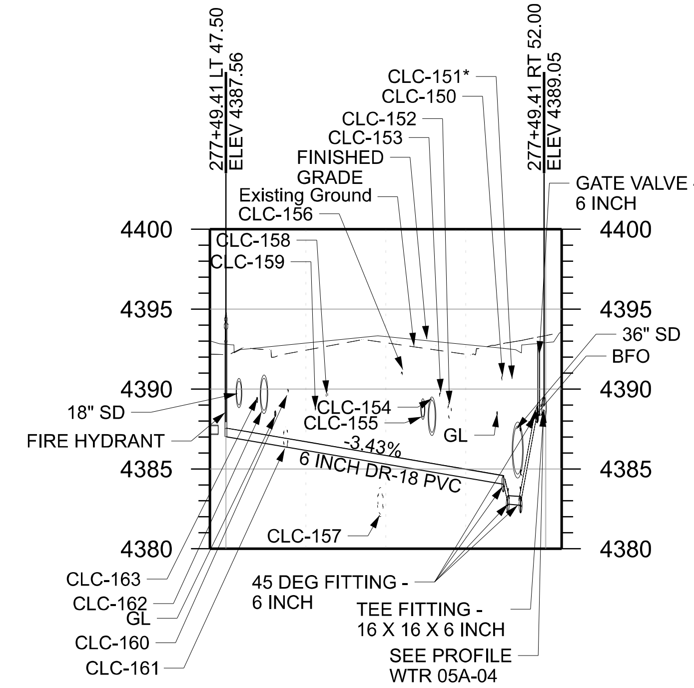
EXHIBIT B



PROFILE WTR 05A-01



PROFILE WTR 05A-02

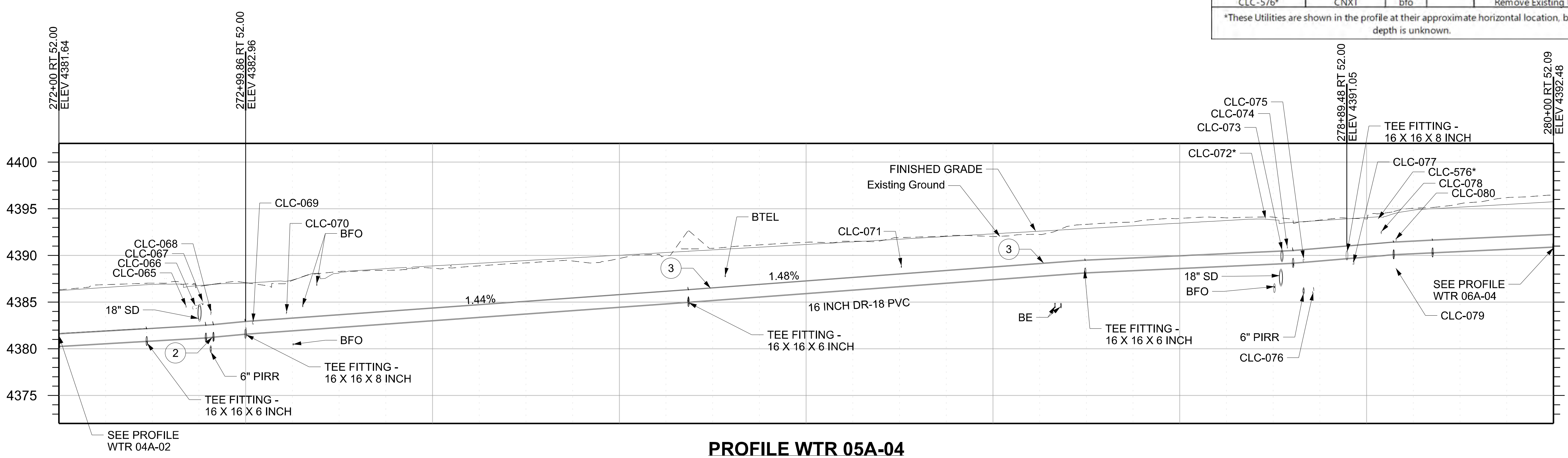


PROFILE WTR 05A-03

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-065	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-066	Utopia	bfo		No Vertical Conflict
CLC-067	CenturyLink	btel		No Vertical Conflict
CLC-068	DWCCC	irr	6 inch	No Vertical Conflict
CLC-069	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-070	Comcast	bctv		Protect in Place Existing Utility
CLC-071	Comcast	bctv		Remove Existing Utility
CLC-072*	Utopia	bfo		Remove Existing Utility
CLC-073	Clinton City	sd	12 inch	Remove Existing Utility
CLC-074	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-075	DWCCC	irr	6 inch	Remove Existing Utility
CLC-076	Clinton City	swr	8 inch	No Vertical Conflict
CLC-077	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-078	Comcast	bctv		No Vertical Conflict
CLC-079	Clinton City	sd	10 inch	Remove Existing Utility
CLC-080	RMP	be		No Vertical Conflict
CLC-137	CenturyLink	btel		No Vertical Conflict
CLC-138	Comcast	bctv		Remove Existing Utility
CLC-139	Clinton City	sd	24 inch	Remove Existing Utility
CLC-140	DWCCC	irr	12 inch	Remove Existing Utility
CLC-141	CenturyLink	btel		Remove Existing Utility
CLC-142	CenturyLink	btel		Remove Existing Utility
CLC-143	NDSD	swr	18 inch	No Vertical Conflict
CLC-144	CenturyLink	bfo		No Vertical Conflict
CLC-145	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-146	Clinton City	wtr	unk	Remove Existing Utility
CLC-147	LDS Church	irr	24 inch	Remove Existing Utility
CLC-148	RMP	be		Remove Existing Utility
CLC-149	Connext	bfo		Remove Existing Utility
CLC-150	Utopia	bfo		Remove Existing Utility
CLC-151*	Utopia	bfo		Remove Existing Utility
CLC-152	DWCCC	irr	12 inch	Remove Existing Utility
CLC-153	CenturyLink	btel		Remove Existing Utility
CLC-154	Clinton City	sd	24 inch	Remove Existing Utility
CLC-155	Clinton City	sd	10 inch	Remove Existing Utility
CLC-156	CenturyLink	btel		Remove Existing Utility
CLC-157	NDSD	swr	18 inch	No Vertical Conflict
CLC-158	CenturyLink	bfo		No Vertical Conflict
CLC-159	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-160	CenturyLink	btel		No Vertical Conflict
CLC-161	Clinton City	wtr	16 inch	Remove Existing Utility
CLC-162	LDS Church	irr	24 inch	Remove Existing Utility
CLC-163	Connext	bfo		Remove Existing Utility
CLC-576*	CNXT	bfo		Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.



PROFILE WTR 05A-04

CLINTON CULINARY WATER

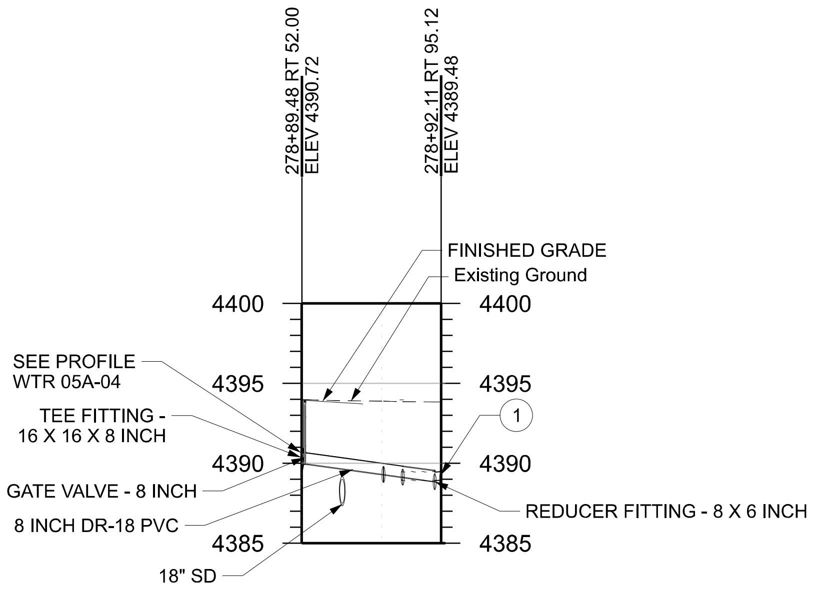
REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

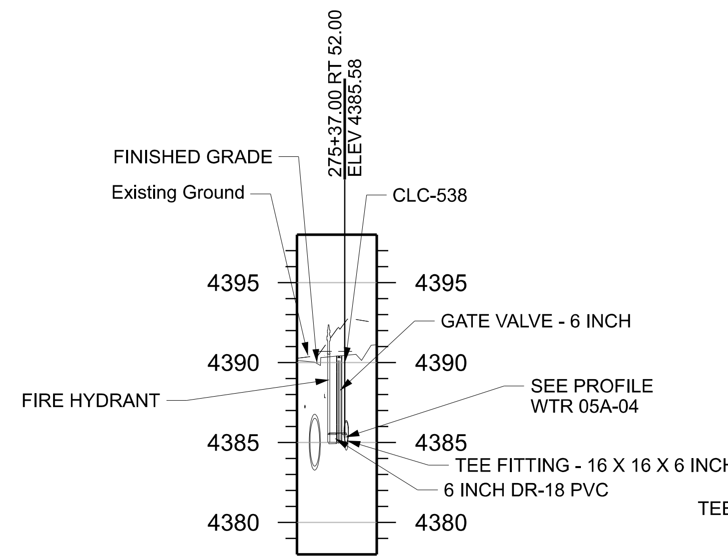
DRAWN BY: JMM
QC CHECKED BY: CAS
DATE: 7/3/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
WTR PROFILE
SHEET NO. UT-A-05A

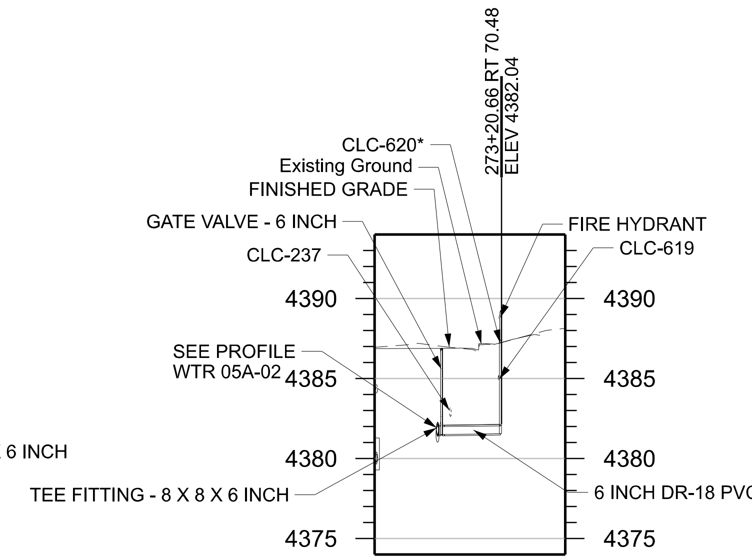
EXHIBIT B



PROFILE WTR 05B-01



PROFILE WTR 05B-02



PROFILE WTR 05B-03

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-237	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-538	RMP	epp		Remove Existing Utility
CLC-619	Comcast	bctv		No Vertical Conflict
CLC-620*	Dominion Energy	gas	.75 inch	Protect in Place Existing Utility
*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.				

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY JMM
QC CHECKED BY CAS
7/3/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER: S-I15-8(157)336
WTR PROFILE

SHEET NO. UT-A-05B

EXHIBIT B

CULINARY PIPE AND FITTINGS - 10 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
284+24.26 RT 52.00 TO 284+24.64 LT 76.56
287+86.31 RT 52.15 TO 287+86.36 RT 58.15
287+86.36 RT 58.15 TO 287+88.94 RT 62.14
287+88.94 RT 62.14 TO 287+89.01 RT 66.15

45 DEG FITTING - 10 INCH
SR-37 (1800 NORTH)
287+86.36 RT 58.15
287+88.94 RT 62.14

PIPE COUPLING - 10 INCH (CLINTON)
SR-37 (1800 NORTH)
287+89.01 RT 66.15

CULINARY PIPE AND FITTINGS - 16 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
282+90.32 RT 52.36 TO 284+24.26 RT 52.00
284+24.26 RT 52.00 TO 287+86.31 RT 52.15
287+86.31 RT 52.15 TO MATCH LINE RT 52.07
MATCH LINE RT 52.09 TO 282+90.24 RT 52.36

11.25 DEG FITTING - 16 INCH (CLINTON)
SR-37 (1800 NORTH)
282+65.78 RT 52.31 (VERTICAL FITTING)
282+69.08 RT 52.31 (VERTICAL FITTING)
282+95.27 RT 52.29 (VERTICAL FITTING)
282+98.65 RT 52.25 (VERTICAL FITTING)

TEE FITTING - 16 X 16 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
280+35.91 RT 52.12
282+24.57 RT 52.28
286+91.23 RT 52.20

TEE FITTING - 16 X 16 X 8 INCH (CLINTON)
SR-37 (1800 NORTH)
282+90.24 RT 52.36
284+24.26 RT 52.00
287+86.31 RT 52.15

TEE FITTING - 16 X 16 X 10 INCH (CLINTON)
SR-17 (1800 NORTH)
287+86.31 RT 52.15

CULINARY PIPE AND FITTINGS - 6 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
282+87.72 RT 117.85 TO 282+87.78 RT 119.35

PIPE COUPLING - 6 INCH (CLINTON)
SR-37 (1800 NORTH)
282+87.78 RT 119.35

CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
282+87.46 RT 110.67 TO 282+87.66 RT 116.35
282+87.46 RT 110.67 TO 282+91.19 RT 106.73
282+87.66 RT 116.35 TO 282+87.72 RT 117.85
282+90.24 RT 52.36 TO 282+91.19 RT 106.73

REDUCER FITTING - 8 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
282+87.72 RT 117.85

TEE FITTING - 8 X 8 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
282+87.66 RT 116.35

45 DEG FITTING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
282+87.46 RT 110.67
282+91.19 RT 106.73
287+86.36 RT 58.15
287+90.43 RT 62.12

GATE VALVE - 10 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
284+24.27 RT 50.27
287+86.33 RT 53.88

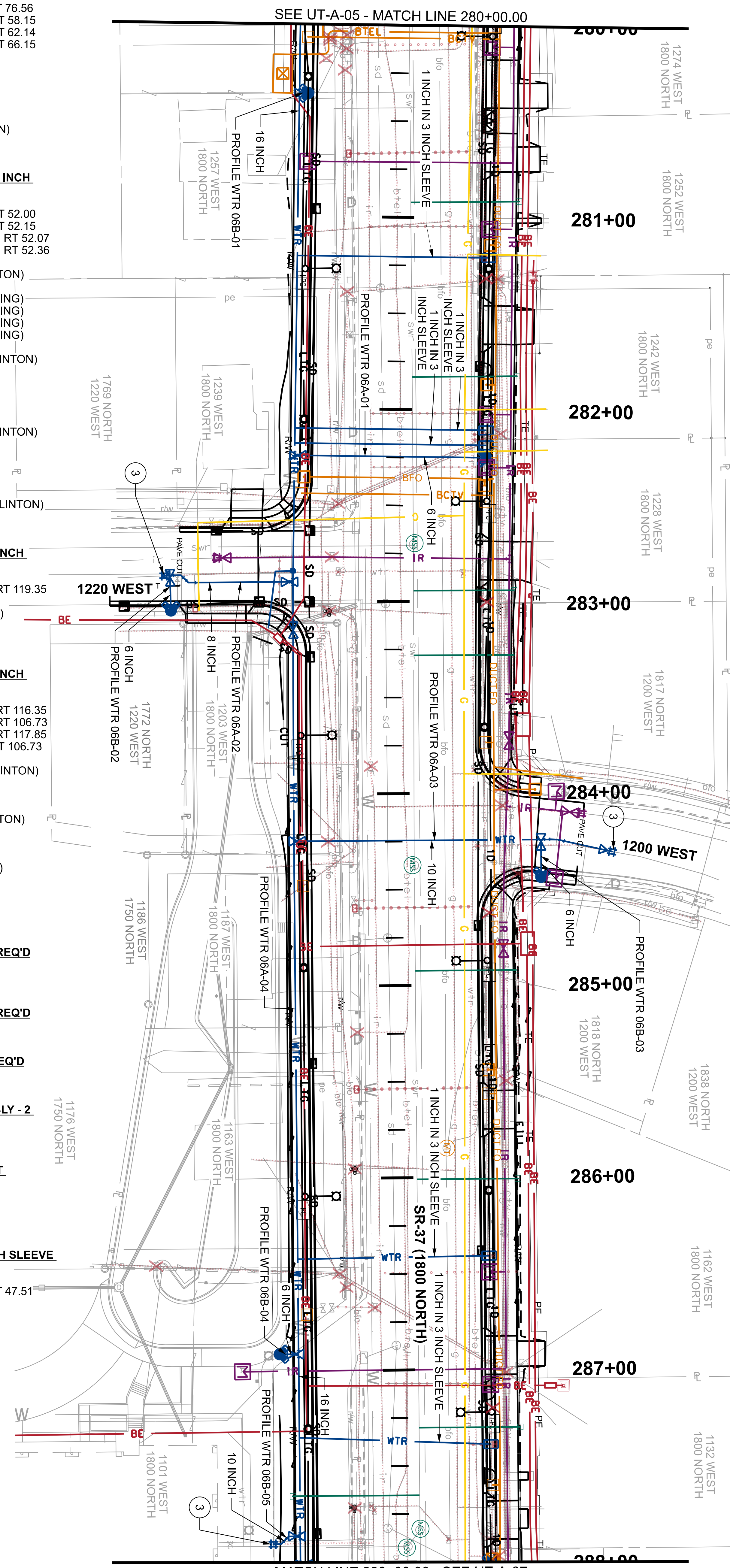
GATE VALVE - 16 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
283+15.22 RT 52.07

GATE VALVE - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
282+90.27 RT 54.10

COMBINATION AIR VALVE ASSEMBLY - 2 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
282+84.54 RT 52.34

FIRE HYDRANT ASSEMBLY, SHORT (CLINTON) REQ'D
SR-37 (1800 NORTH)
280+35.91 RT 47.50
283+05.54 RT 115.70
286+91.20 RT 62.07

WATER SERVICE - 1 INCH, IN 3 INCH SLEEVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
287+34.72 RT 52.24 TO 287+39.02 LT 47.51



CULINARY PIPE AND FITTINGS - 10 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
284+24.64 LT 76.56 TO 284+24.66 LT 83.84
284+24.67 LT 84.95 TO 284+31.27 LT 113.46

11.25 DEG FITTING - 10 INCH (CLINTON)
SR-37 (1800 NORTH)
284+24.50 LT 30.14 (VERTICAL FITTING)
284+24.53 LT 39.14 (VERTICAL FITTING)
284+24.61 LT 67.23 (VERTICAL FITTING)
284+24.62 LT 70.80 (VERTICAL FITTING)
284+24.67 LT 84.95

TEE FITTING - 10 X 10 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
284+24.64 LT 76.56

REDUCER FITTING - 10 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
284+30.10 LT 108.44

CULINARY PIPE AND FITTINGS - 6 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
284+31.27 LT 113.46 TO 284+30.10 LT 108.44

PIPE COUPLING - 6 INCH (CLINTON)
SR-37 (1800 NORTH)
284+31.27 LT 113.46

WATER METER BOX AND SETTER - 3/4 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
281+20.55 LT 47.50
282+10.29 LT 47.28
282+18.12 LT 47.43
286+40.93 LT 47.50
287+39.02 LT 47.50

FIRE HYDRANT ASSEMBLY, SHORT (CLINTON) REQ'D
SR-37 (1800 NORTH)
284+44.16 LT 76.50

FIRE HYDRANT ASSEMBLY, LONG (ACROSS 1800 NORTH) (CLINTON) REQ'D
SR-37 (1800 NORTH)
282+24.57 LT 47.50

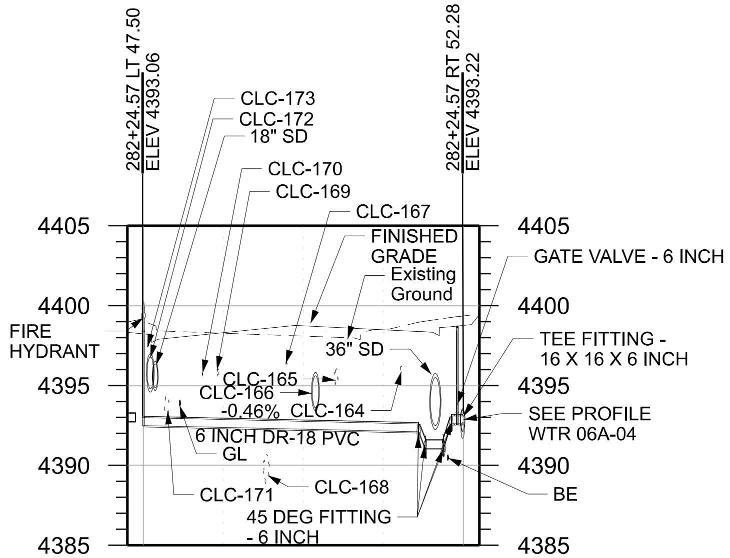
WATER SERVICE - 1 INCH, IN 3 INCH SLEEVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
281+20.55 LT 47.50 TO 281+20.55 RT 52.19
282+10.29 LT 47.28 TO 282+10.29 RT 52.26
282+18.12 LT 47.43 TO 282+18.12 RT 52.27
286+40.93 LT 47.51 TO 286+41.81 RT 52.17

NOTES:
1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.

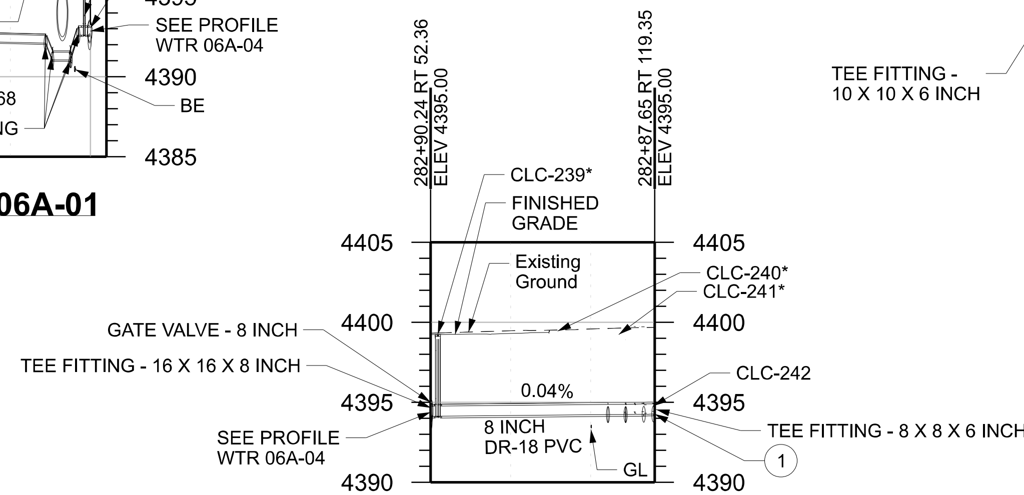
PROJECT	I-15; 1800 NORTH INTERCHANGE	UTAH DEPARTMENT OF TRANSPORTATION JUB ENGINEERS, INC.	DRAWN BY	JMM
PROJECT NUMBER	S-I15-8(157)336 PIN 15682	APPROVED	QC CHECKED BY	CAS
SHEET NO. UT-A-06	UTILITY - WTR	PROFESSIONAL ENGINEER 7/3/2024 DATE		

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

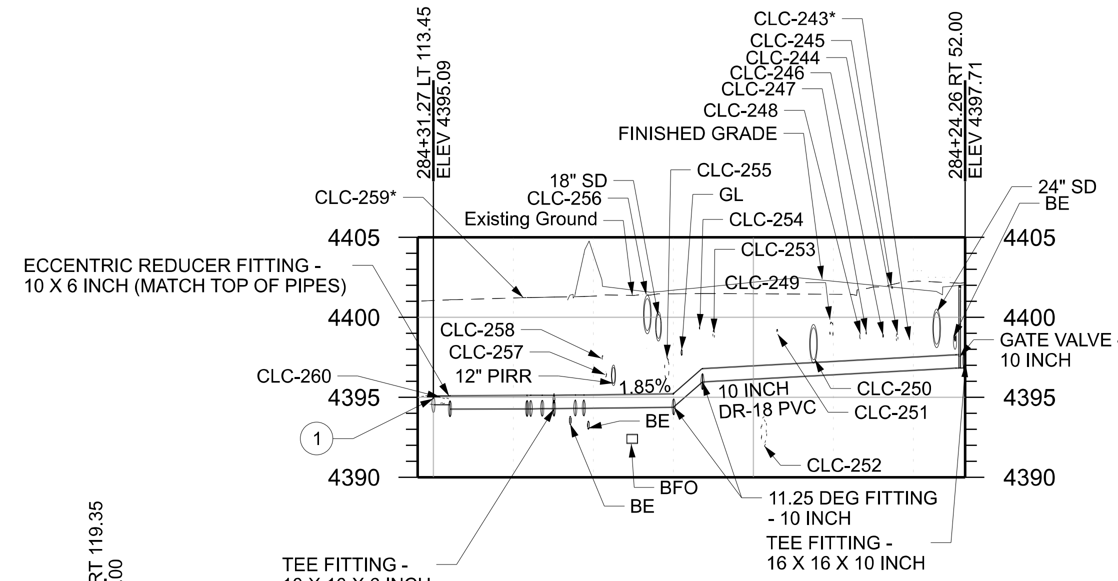
EXHIBIT B



PROFILE WTR 06A-01



PROFILE WTR 06A-02

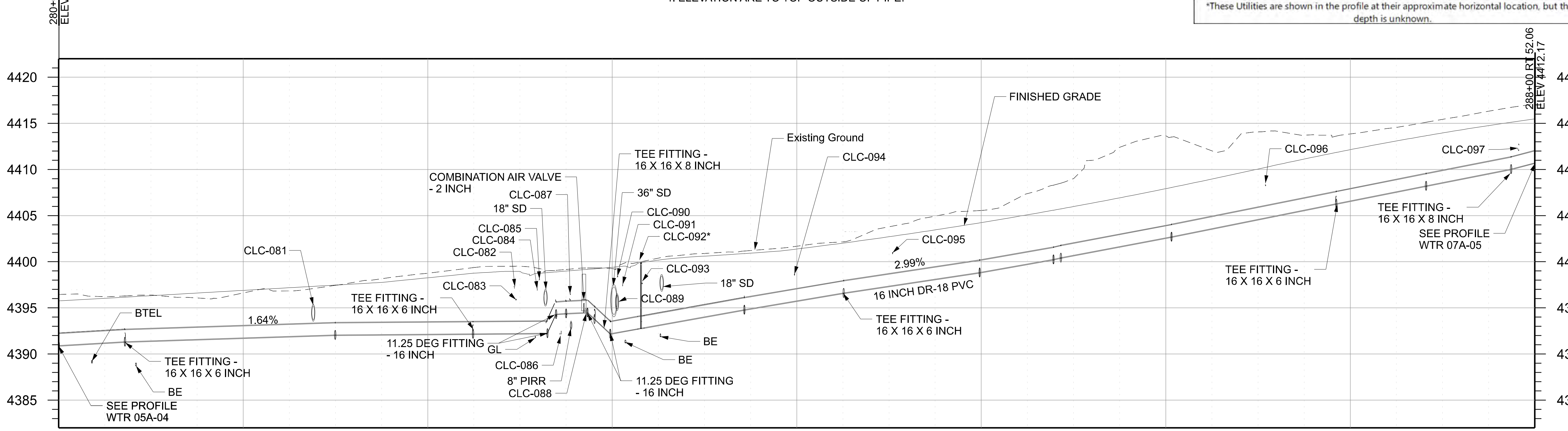


PROFILE WTR 06A-03

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-081	Clinton City	sd	18 inch	Remove Existing Utility
CLC-082	Comcast	bfo		No Vertical Conflict
CLC-083	RMP	be		Remove Existing Utility
CLC-084	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-085	Comcast	bctv		No Vertical Conflict
CLC-086	Clinton City	swr	8 inch	No Vertical Conflict
CLC-087	DWCCC	irr	8 inch	Remove Existing Utility
CLC-088	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-089	Clinton City	sd	18 inch	Remove Existing Utility
CLC-090	Comcast	bctv		Remove Existing Utility
CLC-091	Dominion Energy	gas	1.25 inch	Remove Existing Utility
CLC-092*	Utopia	bfo		Unknown
CLC-093	RMP	be		No Vertical Conflict
CLC-094	Comcast	bctv		Remove Existing Utility
CLC-095	Comcast	bctv		Remove Existing Utility
CLC-096	RMP	be		No Vertical Conflict
CLC-097	Clinton City	wtr	8 inch	Remove Existing Utility
CLC-164	Utopia	bfo		No Vertical Conflict
CLC-165	DWCCC	irr	12 inch	No Vertical Conflict
CLC-166	Clinton City	sd	24 inch	Remove Existing Utility
CLC-167*	CenturyLink	btel		Remove Existing Utility
CLC-168	NDSD	swr	18 inch	No Vertical Conflict
CLC-169	CenturyLink	bfo		No Vertical Conflict
CLC-170	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-171	Clinton City	wtr	16 inch	Remove Existing Utility
CLC-172	LDS Church	irr	24 inch	Remove Existing Utility
CLC-173	Comcast	bctv		No Vertical Conflict
CLC-239*	DWCCC	irr	1.5 inch	Remove Existing Utility
CLC-240*	Clinton City	wtr	unk	Connect to Existing Utility
CLC-241*	DWCCC	irr	1.5 inch	Remove Existing Utility
CLC-242	Clinton City	wtr	6 inch	Connect to Existing Utility
CLC-243	Utopia	bfo		Remove Existing Utility
CLC-244	Utopia	bfo		No Vertical Conflict
CLC-245	RMP	be		Remove Existing Utility
CLC-246	Comcast	bctv		No Vertical Conflict
CLC-247	Dominion Energy	gas	1.25 inch	No Vertical Conflict
CLC-248	Comcast	bctv		No Vertical Conflict
CLC-249	DWCCC	irr	12 inch	No Vertical Conflict
CLC-250	Clinton City	sd	24 inch	Remove Existing Utility
CLC-251	CenturyLink	btel		No Vertical Conflict
CLC-252	NDSD	swr	18 inch	No Vertical Conflict
CLC-253	CenturyLink	bfo		No Vertical Conflict
CLC-254	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-255	Clinton City	wtr	16 inch	Remove Existing Utility
CLC-256	LDS Church	irr	24 inch	Remove Existing Utility
CLC-257	RMP	be		Adjust Existing Utility
CLC-258	RMP	be		Adjust Existing Utility
CLC-259	Clinton City	wtr	unk	Connect to Existing Utility
CLC-260	Clinton City	wtr	6 inch	Connect to Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.



PROFILE WTR 06A-04

CLINTON CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

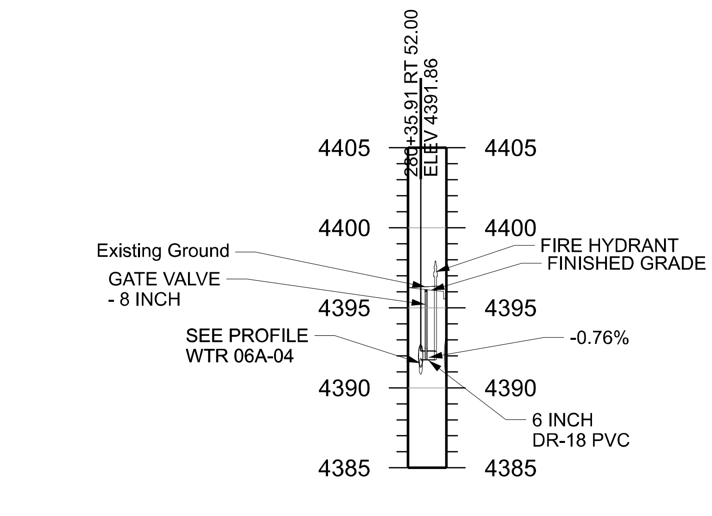
JUB ENGINEERS, INC.

DRAWN BY: JMM
QC CHECKED BY: CAS
DATE: 7/3/2024
APPROVED
PROFESSIONAL ENGINEER

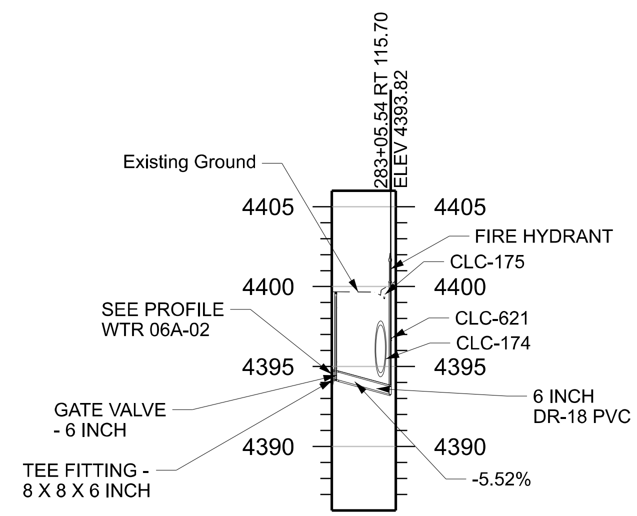
PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN: 15682
PROJECT NUMBER: S-I15-8(157)336
WTR PROFILE

SHEET NO. UT-A-06A

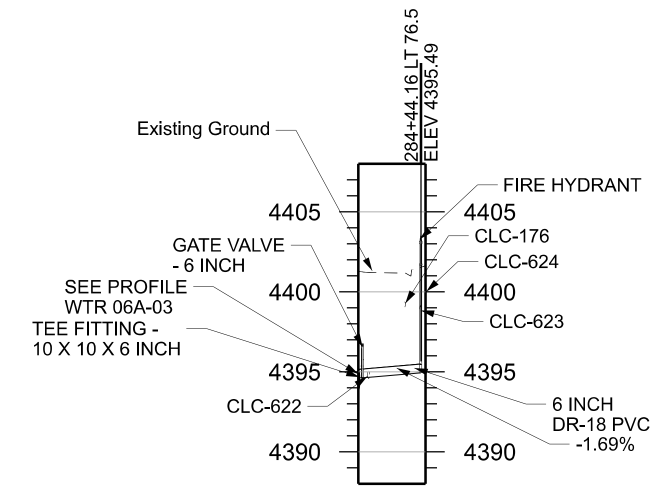
EXHIBIT B



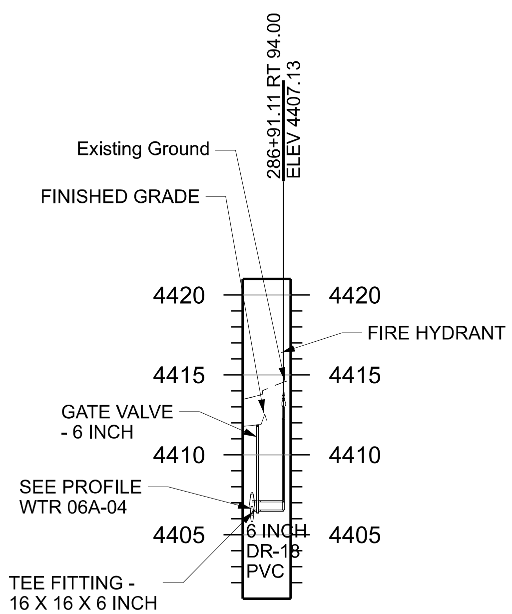
PROFILE WTR 06B-01



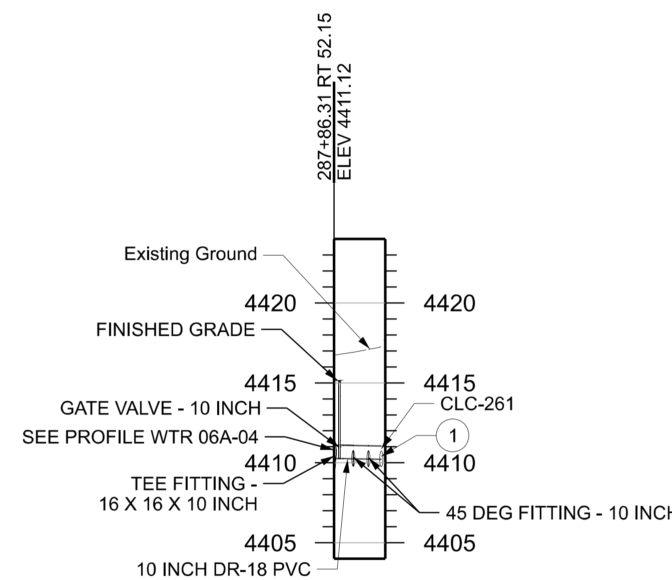
PROFILE WTR 06B-02



PROFILE WTR 06B-03



PROFILE WTR 06B-04



PROFILE WTR 06B-05

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-174	Clinton City	sd	18 inch	No Vertical Conflict
CLC-175	Comcast	bctv	6 inch	No Vertical Conflict
CLC-176	CenturyLink	btel	6 inch	No Vertical Conflict
CLC-261	Clinton City	wtr	8 inch	Connect to Existing Utility
CLC-621	Dominion Energy	gas	.75 inch	No Vertical Conflict
CLC-622	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-623	CLL	bfo		Adjust Existing Utility
CLC-624	Comcast	bctv		No Vertical Conflict

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.

NOTES:

1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY: JMM

QC CHECKED BY: CAS

DATE: 7/3/2024

APPROVED

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

PIN: 15682

PROJECT NUMBER: S-I15-8(157)336

WTR PROFILE

SHEET NO. UT-A-06B

EXHIBIT B

REGION 1 3-JUL-2024 09:57 mnelson DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682_I-15_1800_NORTH_INTERCHANGE/Utilities/15682_UT-A-07.dgn

CULINARY PIPE AND FITTINGS - 12 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
293+38.60 RT 53.35 TO 293+39.92 RT 52.04
293+39.90 RT 52.04 TO 293+77.72 RT 52.04
293+77.72 RT 52.04 TO 294+24.46 RT 4.59
294+65.12 RT 56.50 TO 294+65.12 RT 93.53
294+65.12 RT 93.53 TO 294+70.10 RT 122.49
294+69.85 RT 169.69 TO 294+70.10 RT 122.49

11.25 DEG FITTING - 12 INCH (CLINTON)
SR-37 (1800 NORTH)
295+65.12 RT 90.77
294+70.10 RT 122.49

45 DEG FITTING - 12 INCH (CLINTON)
SR-37 (1800 NORTH)
293+39.90 RT 52.04
293+77.72 RT 52.04
294+24.46 RT 4.59

CULINARY PIPE AND FITTINGS - 14 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+69.84 RT 171.69 TO 294+69.85 RT 169.69

REDUCER FITTING - 14 X 12 INCH (CLINTON)
SR-37 (1800 NORTH)
294+69.85 RT 169.69

PIPE COUPLING - 14 INCH (CLINTON)
SR-37 (1800 NORTH)
294+69.84 RT 171.69

CULINARY PIPE AND FITTINGS - 16 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
288+01.15 RT 52.06 TO 293+15.42 RT 51.99
293+15.42 RT 51.99 TO 293+37.24 RT 51.99
293+37.24 RT 51.99 TO 293+43.97 RT 58.72
293+71.94 RT 58.54 TO 294+62.78 RT 56.55
MATCH LINE RT 52.07 TO 288+01.15 RT 52.06

TEE FITTING - 16 X 16 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
288+01.15 RT 52.06

CROSS FITTING - 16 X 16 X 8 X 8 INCH (CLINTON)
SR-37 (1800 NORTH)
290+46.89 RT 52.82

11.25 DEG FITTING - 16 INCH (CLINTON)
SR-37 (1800 NORTH)
294+26.46 RT 57.36
294+29.05 RT 57.30
294+40.37 RT 57.06
294+55.86 RT 56.71

45 DEG FITTING - 16 INCH (CLINTON)
SR-37 (1800 NORTH)
293+37.24 RT 51.99
293+43.97 RT 58.72

TEE FITTING - 16 X 16 X 12 INCH (CLINTON)
SR-37 (1800 NORTH)
293+38.60 RT 53.35

CULINARY PIPE AND FITTINGS - 20 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+62.78 RT 56.55 TO 294+72.13 RT 56.36
295+47.54 RT 54.73 TO MATCH LINE RT 53.59

TEE FITTING - 20 X 20 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
295+19.22 RT 55.34

TEE FITTING - 20 X 20 X 12 INCH (CLINTON)
SR-37 (1800 NORTH)
294+57.54 RT 54.50

REDUCER FITTING - 20 X 16 INCH (CLINTON)
SR-37 (1800 NORTH)
294+62.78 RT 56.57

CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
290+47.23 RT 58.50 TO 290+47.25 RT 51.82

REDUCER FITTING - 8 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
290+46.90 RT 50.09

PIPE COUPLING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
290+46.87 RT 69.11

GATE VALVE - 12 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
293+41.10 RT 52.04
294+65.12 RT 59.23

GATE VALVE - 16 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
293+35.19 RT 51.99

GATE VALVE - 20 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+67.46 RT 56.47

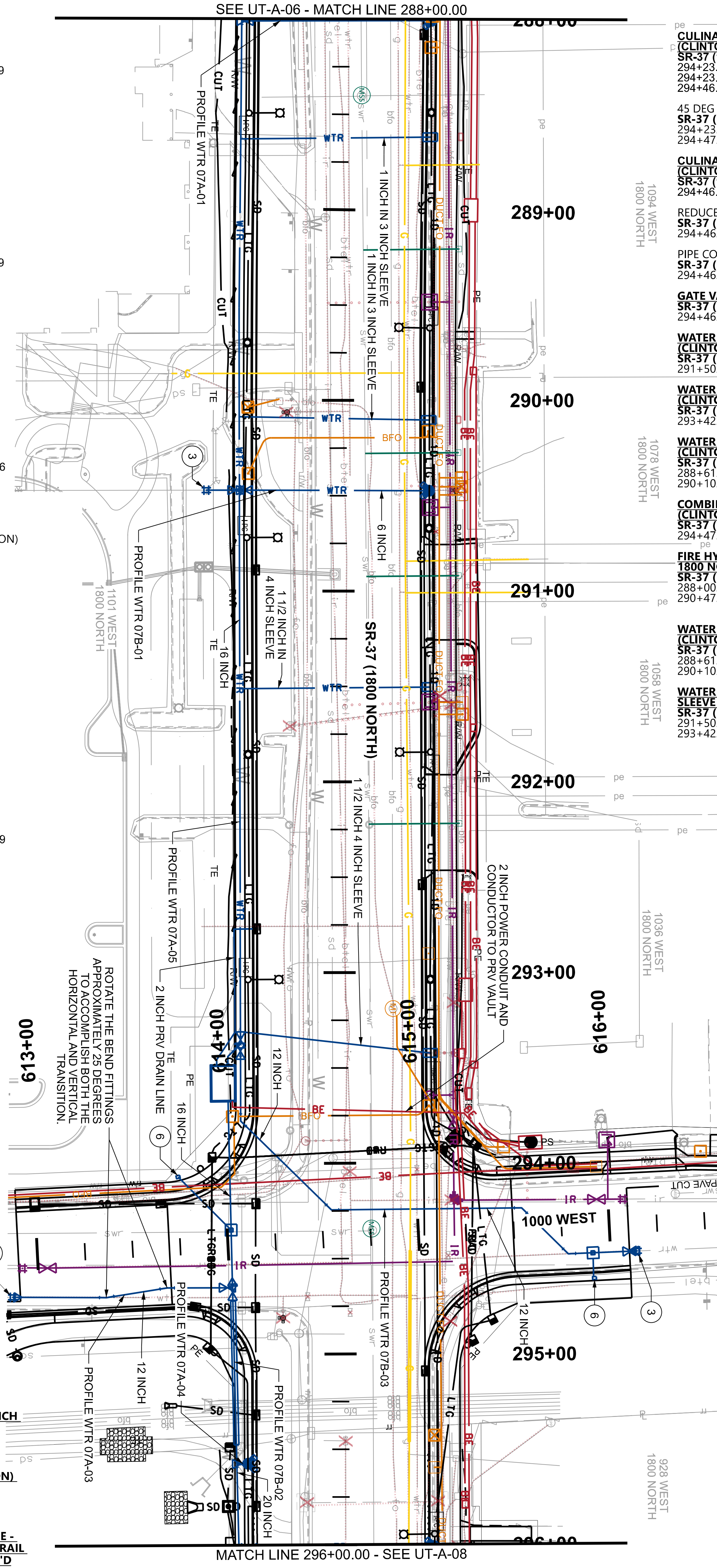
GATE VALVE - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
290+46.89 RT 53.55

PRV STATION (CLINTON) REQ'D
SR-37 (1800 NORTH)
293+57.96 RT 61.13

COMBINATION AIR VALVE ASSEMBLY - 2 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+34.85 RT 57.18

FIRE HYDRANT ASSEMBLY, SHORT (CLINTON) REQ'D
SR-37 (1800 NORTH)
295+19.07 RT 48.50

30 INCH STEEL CASING AND CULINARY PIPE - 20 INCH, CLASS 250 DI PRESSURE (D&RG TRAIL CROSSING, OPEN TRENCH) (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+72.13 RT 56.36 TO 295+47.54 RT 54.73



CULINARY PIPE AND FITTINGS - 12 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+23.60 LT 95.00 TO 294+24.46 RT 4.59
294+23.60 LT 95.00 TO 294+47.77 LT 119.48
294+46.46 LT 153.56 TO 294+47.77 LT 119.48

45 DEG FITTING - 12 INCH (CLINTON)
SR-37 (1800 NORTH)
294+23.60 LT 95.00
294+47.77 LT 119.48

CULINARY PIPE AND FITTINGS - 14 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+46.38 LT 155.54 TO 294+46.46 LT 153.56

REDUCER FITTING - 14 X 12 INCH (CLINTON)
SR-37 (1800 NORTH)
294+46.46 LT 153.56

PIPE COUPLING - 14 INCH (CLINTON)
SR-37 (1800 NORTH)
294+46.38 LT 155.56

GATE VALVE - 12 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+46.51 LT 152.31

WATER METER BOX AND SETTER - 1 1/2 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
291+50.42 LT 47.50

WATER METER BOX AND SETTER - 2 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
293+42.28 LT 47.50

WATER METER BOX AND SETTER - 3/4 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
288+61.40 LT 47.14
290+10.38 LT 47.50

COMBINATION AIR VALVE ASSEMBLY - 2 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+47.27 LT 132.41

FIRE HYDRANT ASSEMBLY, LONG (ACROSS 1800 NORTH) (CLINTON) REQ'D
SR-37 (1800 NORTH)
288+00.65 LT 47.49
290+47.48 LT 47.50

WATER SERVICE - 1 INCH, IN 3 INCH SLEEVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
288+61.39 LT 47.50 TO 288+63.48 RT 52.09
290+10.38 LT 47.50 TO 290+08.49 RT 51.78

WATER SERVICE - 1 1/2 INCH, IN 4 INCH SLEEVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
291+50.42 LT 47.50 TO 291+51.06 RT 51.94
293+42.28 LT 47.51 TO 293+30.85 RT 51.99

NOTES:
1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.
6. COMBINATION AIR VALVE VENT.

PROJECT	I-15; 1800 NORTH INTERCHANGE		
PROJECT NUMBER	S-I15-8(157)336	PIN	15682
	UTILITY - WTR		

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

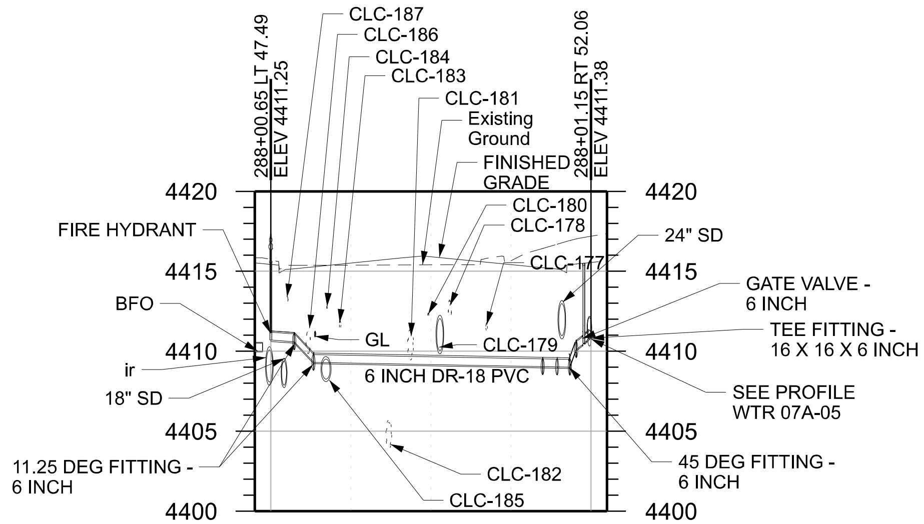
APPROVED
PROFESSIONAL ENGINEER
DATE 7/3/2024
DRAWN BY JMM
QC CHECKED BY CAS

REVISIONS

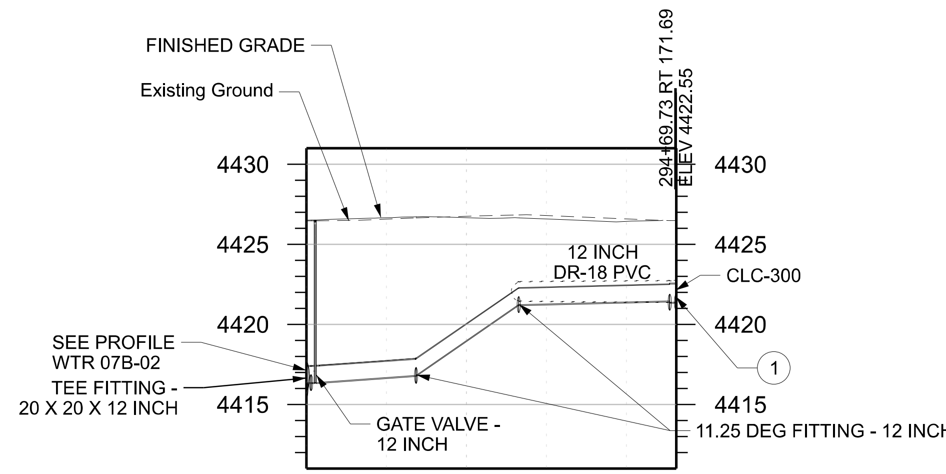
NO.	DATE	APPROVED BY	REMARKS

SHEET NO. UT-A-07

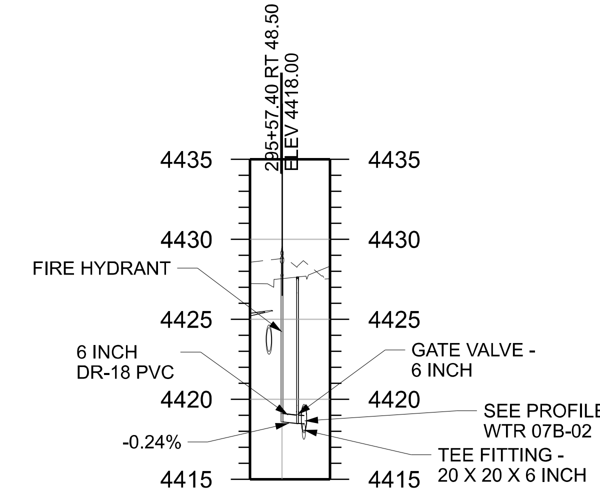
EXHIBIT B



PROFILE WTR 07A-01

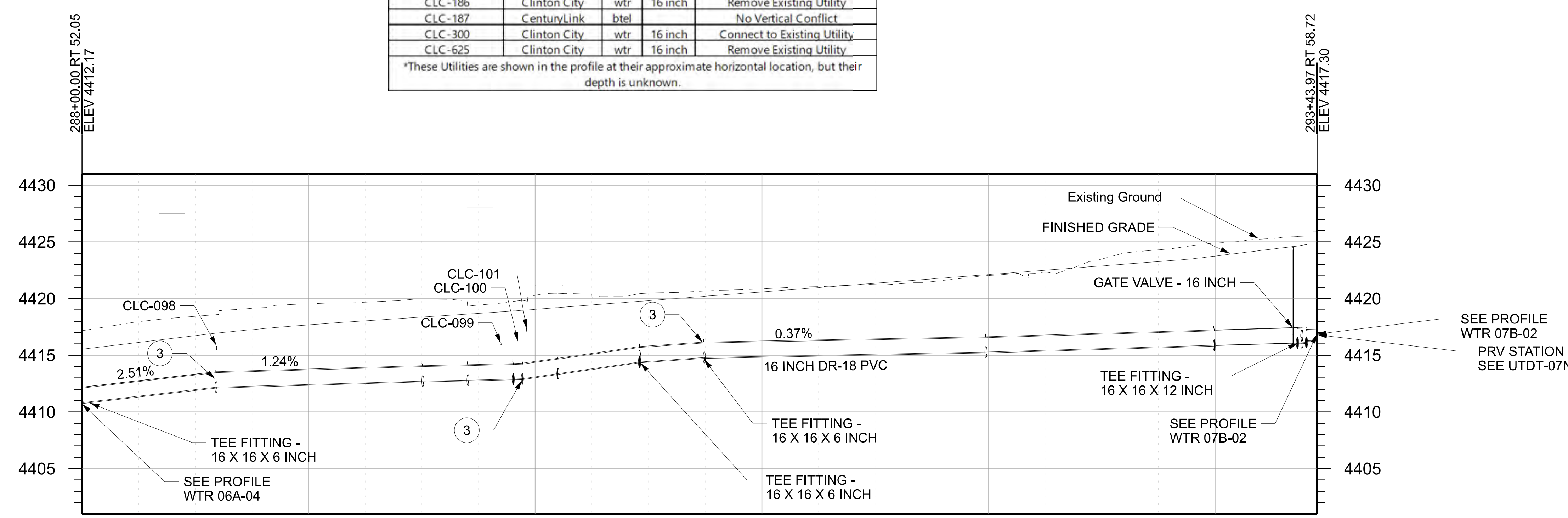


PROFILE WTR 07A-03



PROFILE WTR 07A-04

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-098	CenturyLink	btel	4 inch	No Vertical Conflict
CLC-099	Dominion Energy	gas	1.25 inch	No Vertical Conflict
CLC-100	Clinton City	sd	unk	No Vertical Conflict
CLC-101	CenturyLink	bfo		No Vertical Conflict
CLC-177	Utopia	bfo		Remove Existing Utility
CLC-178	DWCCC	irr	12 inch	Remove Existing Utility
CLC-179	Clinton City	sd	24 inch	Remove Existing Utility
CLC-180	CenturyLink	btel		Remove Existing Utility
CLC-181	Clinton City	wtr	unk	Remove Existing Utility
CLC-182	NDSD	swr	18 inch	No Vertical Conflict
CLC-183	CenturyLink	bfo	6 inch	No Vertical Conflict
CLC-184	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-185	Clinton City	sd	15 inch	Remove Existing Utility
CLC-186	Clinton City	wtr	16 inch	Remove Existing Utility
CLC-187	CenturyLink	btel		No Vertical Conflict
CLC-300	Clinton City	wtr	16 inch	Connect to Existing Utility
CLC-625	Clinton City	wtr	16 inch	Remove Existing Utility
*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.				



PROFILE WTR 07A-05

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS

NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED

PROFESSIONAL ENGINEER

DATE 7/3/2024

DRAWN BY JMM

QC CHECKED BY CAS

PROJECT: I-15; 1800 NORTH INTERCHANGE

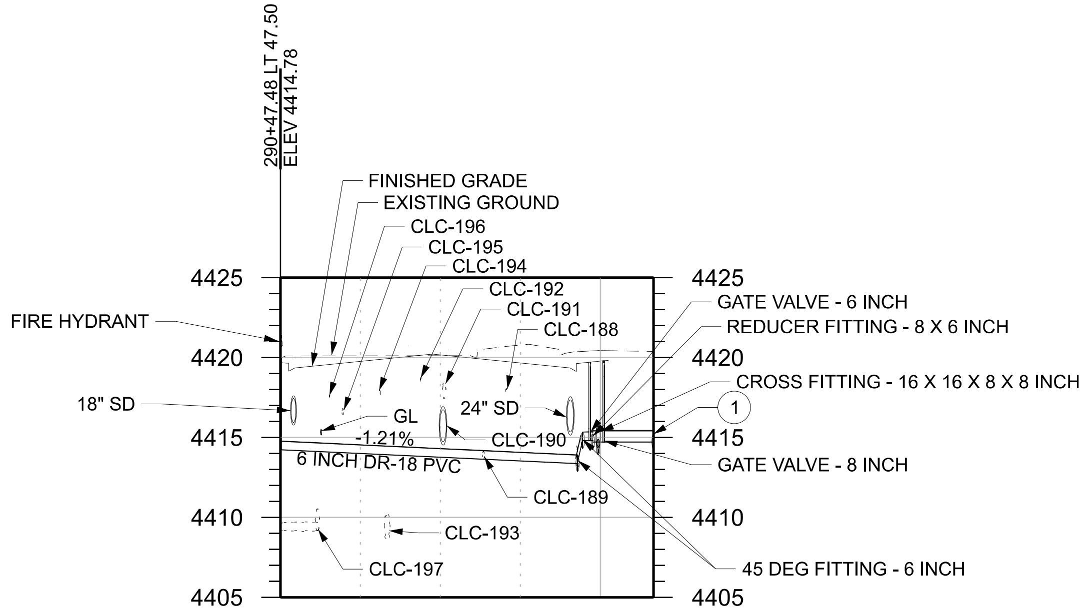
PROJECT NUMBER: S-I15-8(157)336

PIN 15682

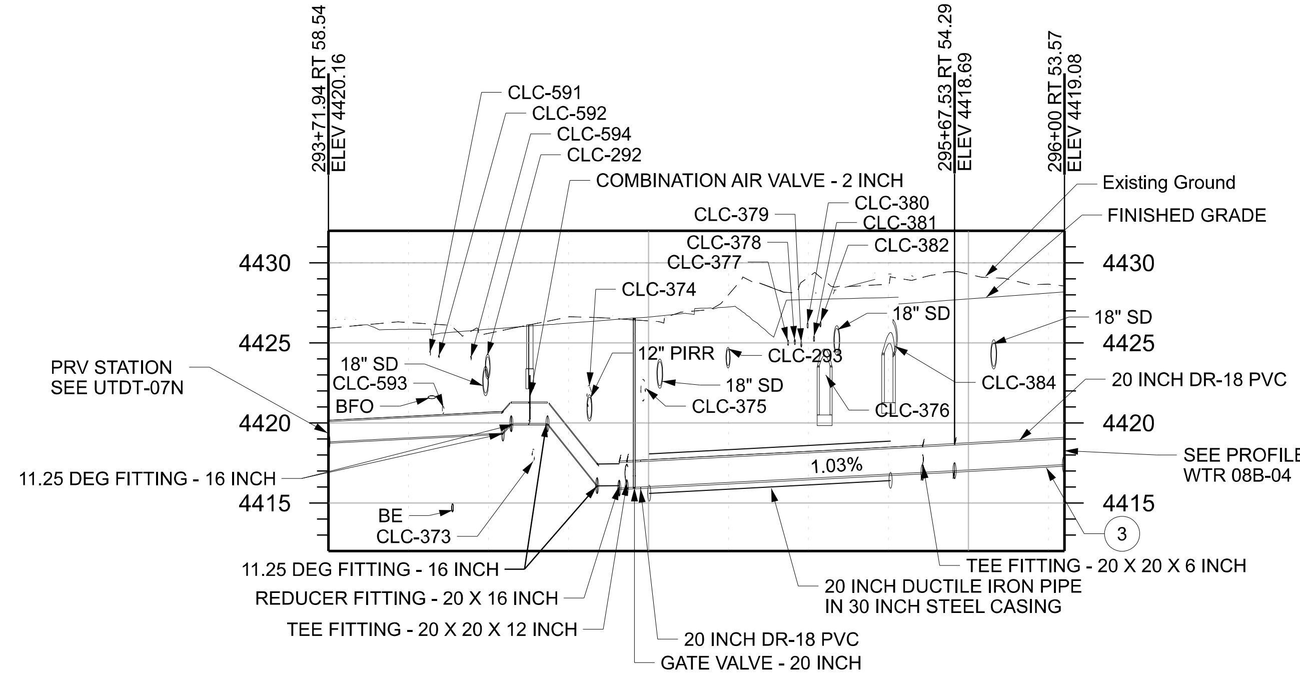
WTR PROFILE

SHEET NO. UT-A-07A

EXHIBIT B

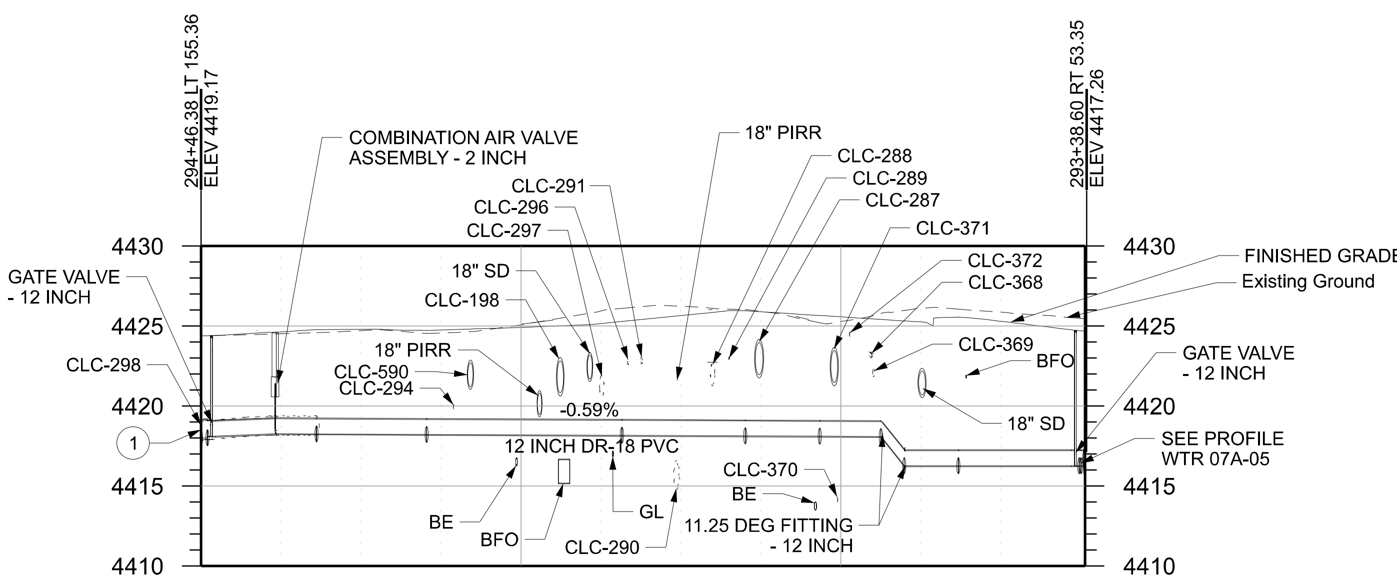


PROFILE WTR 07B-01



PROFILE WTR 07B-02

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-188	Utopia	bfo		Remove Existing Utility
CLC-189	Utopia	bfo		Remove Existing Utility
CLC-190	Clinton City	sd	24 inch	Remove Existing Utility
CLC-191	DWCCC	irr	12 inch	Remove Existing Utility
CLC-192	CenturyLink	btel		Remove Existing Utility
CLC-193	NDSD	swr	18 inch	No Vertical Conflict
CLC-194	CenturyLink	bfo		Remove Existing Utility
CLC-195	CenturyLink	bfo		No Vertical Conflict
CLC-196	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-197	Clinton City	wtr	16 inch	Remove Existing Utility
CLC-198	LDS Church	irr	24 inch	Remove Existing Utility
CLC-287	Clinton City	sd	24 inch	Remove Existing Utility
CLC-288	DWCCC	irr	12 inch	Remove Existing Utility
CLC-289	CenturyLink	btel		Remove Existing Utility
CLC-290	NDSD	swr	18 inch	No Vertical Conflict
CLC-291	CenturyLink	bfo	6 inch	Remove Existing Utility
CLC-292	Clinton City	sd	unk	Remove Existing Utility
CLC-293	Clinton City	sd	15 inch	Remove Existing Utility
CLC-294	UDOT	be	4 inch	Remove Existing Utility
CLC-296	Dominion Energy	gas	4 inch	Remove Existing Utility
CLC-297	Clinton City	wtr	16 inch	Remove Existing Utility
CLC-298	Clinton City	wtr	14 inch	Connect to Existing Utility
CLC-368	UDOT	be	4 inch	No Vertical Conflict
CLC-369	Comcast	bfo	6 inch	No Vertical Conflict
CLC-370	UDOT	bfo	4 inch	No Vertical Conflict
CLC-371	Clinton City	sd	24 inch	No Vertical Conflict
CLC-372	Utopia	bfo	4 inch	No Vertical Conflict
CLC-373**	Clinton City	swr	12 inch	No Vertical Conflict
CLC-374	DWCCC	irr	16 inch	No Vertical Conflict
CLC-375	Clinton City	wtr	16 inch	No Vertical Conflict
CLC-376	Clinton City	sd	24 inch	Remove Existing Utility
CLC-377	Sprint	bfo	4 inch	No Vertical Conflict
CLC-378	Lumen	bfo	4 inch	No Vertical Conflict
CLC-379	Lumen	bfo	4 inch	No Vertical Conflict
CLC-380	Verizon	bfo	4 inch	No Vertical Conflict
CLC-381	Verizon	bfo	4 inch	No Vertical Conflict
CLC-382	Zayo	bfo	4 inch	No Vertical Conflict
CLC-384	Clinton City	sd	24 inch	Remove Existing Utility
CLC-588	NDSD	swr		No Vertical Conflict
CLC-590	Clinton City	sd	18 inch	No Vertical Conflict
CLC-591	RMP	be		No Vertical Conflict
CLC-592	RMP	be		No Vertical Conflict
CLC-593		bfo		No Vertical Conflict
CLC-594		bfo		Remove Existing Utility
*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.				
**Clinton City has this pipe mapped as an 8" concrete pipe.				



PROFILE WTR 07B-03

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

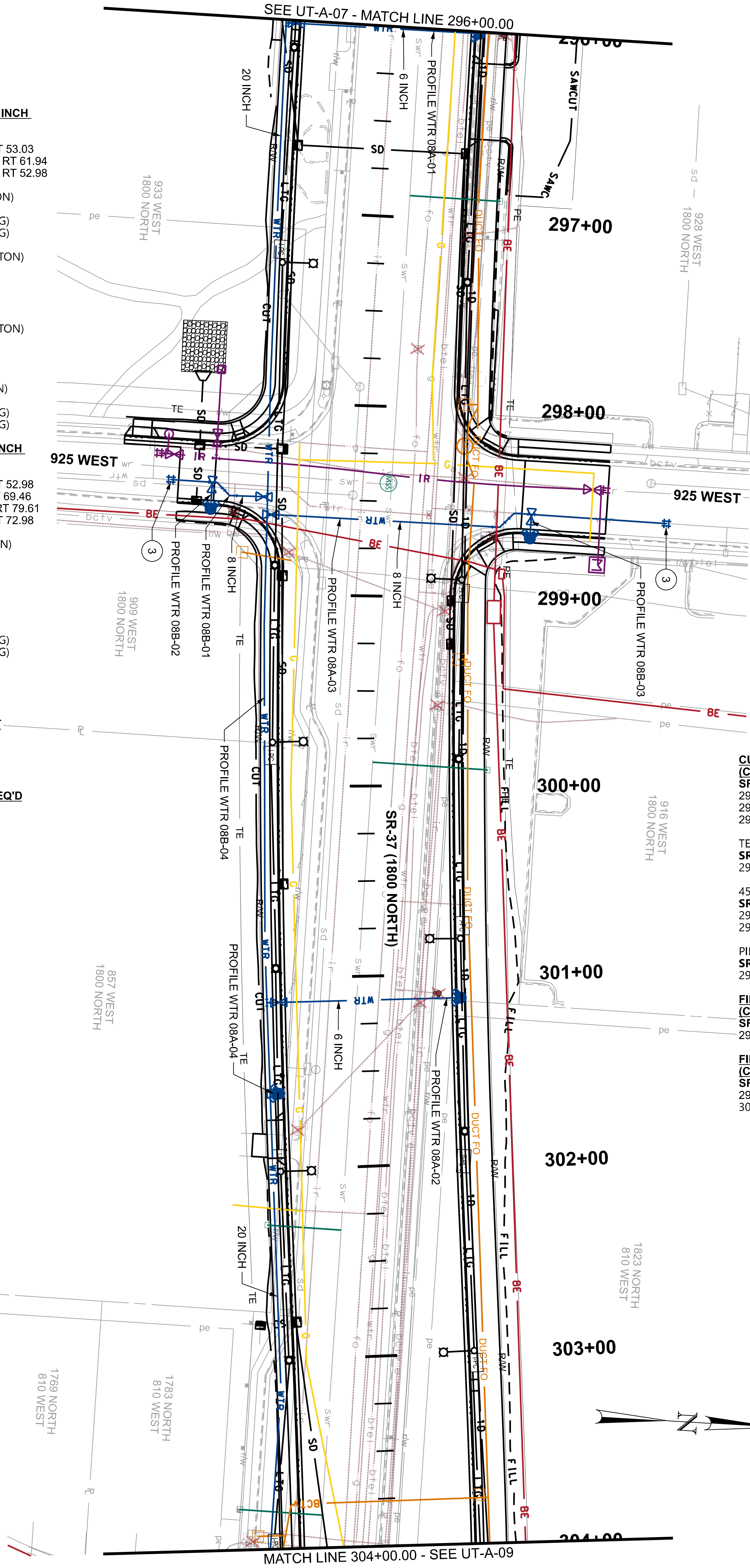
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
DRAWN BY JMM
QC CHECKED BY CAS
7/3/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN 15682
WTR PROFILE

SHEET NO. UT-A-07B

EXHIBIT B

REGION 1 3-JUL-2024 09:58 mnelson DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682_I-15_1800_NORTH_INTERCHANGE/Utilities/15682_UT-A-08.dgn



CULINARY PIPE AND FITTINGS - 20 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
298+48.99 RT 52.98 TO 298+58.21 RT 53.03
298+58.21 RT 53.03 TO MATCH LINE RT 61.94
MATCH LINE RT 53.59 TO 298+48.99 RT 52.98

11.25 DEG FITTING - 20 INCH (CLINTON)
SR-37 (1800 NORTH)
302+85.94 RT 53.38 (VERTICAL FITTING)
302+94.20 RT 53.42 (VERTICAL FITTING)

TEE FITTING - 20 X 20 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
296+01.56 RT 53.56
301+12.79 RT 53.58
301+60.37 RT 53.13

TEE FITTING - 20 X 20 X 8 INCH (CLINTON)
SR-37 (1800 NORTH)
298+48.99 RT 52.98
298+58.21 RT 53.03

22.5 DEG FITTING - 20 INCH (CLINTON)
SR-37 (1800 NORTH)
298+24.52 RT 52.91 (VERTICAL FITTING)
298+31.24 RT 52.92 (VERTICAL FITTING)

CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
298+48.71 RT 72.98 TO 298+48.99 RT 52.98
298+58.21 RT 53.03 TO 298+62.60 LT 69.46
298+41.09 RT 104.00 TO 298+42.15 RT 79.61
298+42.15 RT 79.61 TO 298+48.71 RT 72.98

TEE FITTING - 8 X 8 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
298+42.02 RT 82.28

45 DEG FITTING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
298+42.15 RT 79.61
298+48.71 RT 72.98
298+58.22 RT 49.11 (VERTICAL FITTING)
298+58.29 RT 46.82 (VERTICAL FITTING)

PIPE COUPLING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
298+41.09 RT 104.00

FIRE HYDRANT ASSEMBLY, SHORT (CLINTON) REQ'D
SR-37 (1800 NORTH)
298+55.93 RT 82.83
301+60.39 RT 48.50

GATE VALVE - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
298+48.98 RT 54.85
298+58.21 RT 51.11

CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
298+55.00 LT 77.00 TO 298+55.39 LT 86.03
298+55.00 LT 77.00 TO 298+62.60 LT 69.46
298+55.39 LT 86.03 TO 298+58.87 LT 157.16

TEE FITTING - 8 X 8 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
298+55.39 LT 86.03

45 DEG FITTING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
298+55.00 LT 77.00
298+62.60 LT 69.46

PIPE COUPLING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
298+58.87 LT 157.16

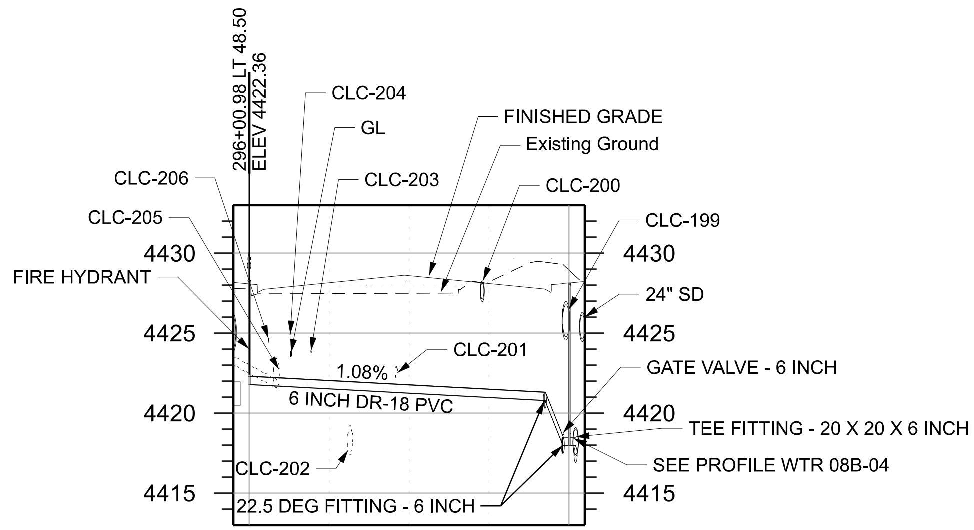
FIRE HYDRANT ASSEMBLY, SHORT (CLINTON) REQ'D
SR-37 (1800 NORTH)
298+68.26 LT 85.46

FIRE HYDRANT ASSEMBLY, LONG (CLINTON) REQ'D
SR-37 (1800 NORTH)
296+00.98 LT 48.50
301+12.45 LT 48.50

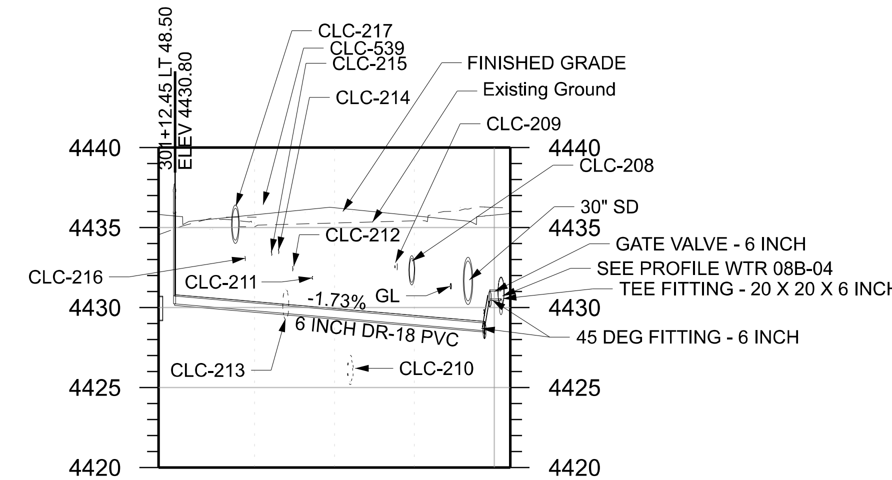
NOTES:
1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.

PROJECT	I-15; 1800 NORTH INTERCHANGE		UTAH DEPARTMENT OF TRANSPORTATION JUB ENGINEERS, INC.			REVISIONS
PROJECT NUMBER	S-I15-8(157)336	PIN 15682	APPROVED	DRAWN BY	JMM	NO. DATE APPROVED BY REMARKS
SHEET NO. UT-A-08	UTILITY - WTR		PROFESSIONAL ENGINEER — 7/3/2024 DATE	QC CHECKED BY	CAS	

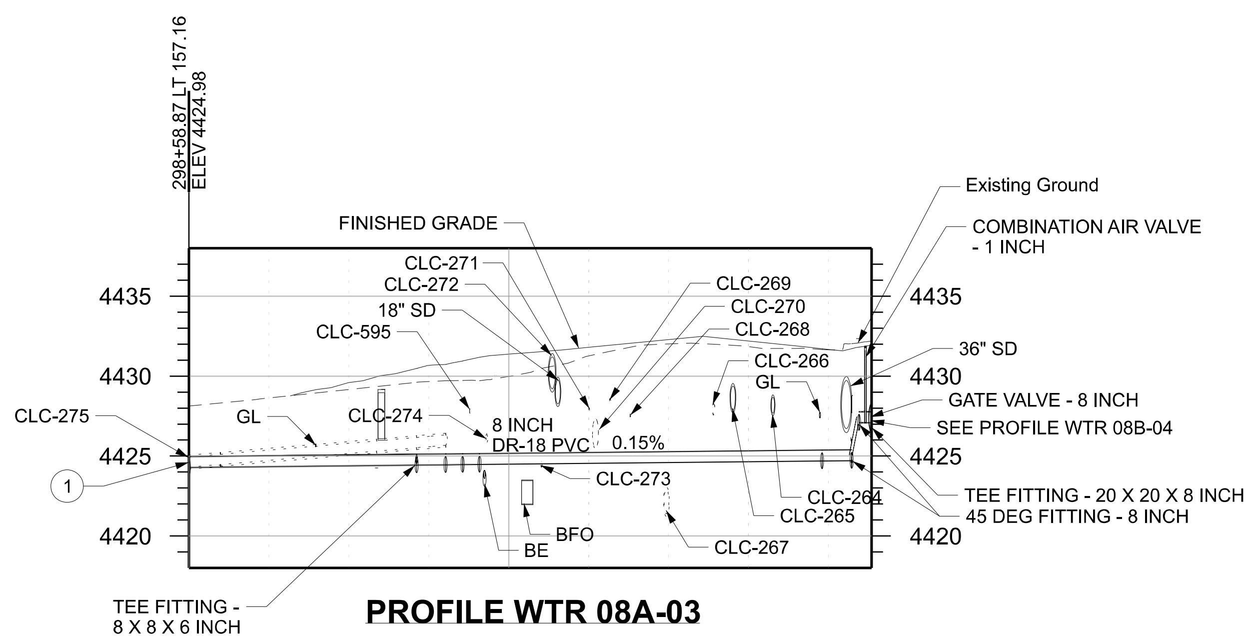
EXHIBIT B



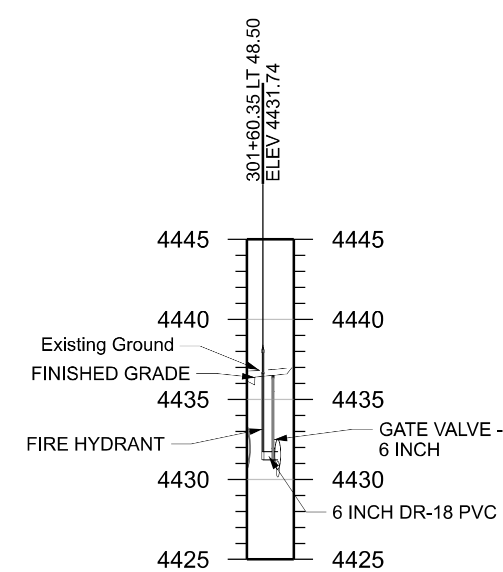
PROFILE WTR 08A-01



PROFILE WTR 08A-02



PROFILE WTR 08A-03



PROFILE WTR 08A-04

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-199	Clinton City	sd	24 inch	No Vertical Conflict
CLC-200	Clinton City	sd	24 inch	No Vertical Conflict
CLC-201	DWCCC	irr	8 inch	Remove Existing Utility
CLC-202	NDSD	swr	18 inch	No Vertical Conflict
CLC-203	CenturyLink	bfo		No Vertical Conflict
CLC-204	Dominion Energy	gas	4 inch	No Vertical Conflict
CLC-205	Clinton City	wtr	20 inch	Remove Existing Utility
CLC-206	CenturyLink	btel		No Vertical Conflict
CLC-208	Clinton City	sd	18 inch	Remove Existing Utility
CLC-209	DWCCC	irr	8 inch	Remove Existing Utility
CLC-210	NDSD	swr	18 inch	No Vertical Conflict
CLC-211	CenturyLink	bfo		Remove Existing Utility
CLC-212	Dominion Energy	gas	4 inch	Remove Existing Utility
CLC-213	Clinton City	wtr	20 inch	Remove Existing Utility
CLC-214	CenturyLink	btel		Remove Existing Utility
CLC-215	CenturyLink	btel		Remove Existing Utility
CLC-216	Comcast	bctv		Remove Existing Utility
CLC-217	LDS Church	irr	24 inch	Remove Existing Utility
CLC-264	Clinton City	sd	12 inch	Remove Existing Utility
CLC-265	Clinton City	sd	18 inch	Remove Existing Utility
CLC-266	DWCCC	irr	8 inch	Remove Existing Utility
CLC-267	NDSD	swr	18 inch	No Vertical Conflict
CLC-268	CenturyLink	bfo		Remove Existing Utility
CLC-269	Dominion Energy	gas	4 inch	Remove Existing Utility
CLC-270	Clinton City	wtr	20 inch	Remove Existing Utility
CLC-271	CenturyLink	btel		Remove Existing Utility
CLC-272	LDS Church	irr	24 inch	Remove Existing Utility
CLC-273	Comcast	bctv		Remove Existing Utility
CLC-274	Clinton City	wtr	unk	Remove Existing Utility
CLC-275	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-539	RMP	epp		Remove Existing Utility
CLC-595	RMP	be		No Vertical Conflict
*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.				

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REMARKS | APPROVED BY | DATE | NO.
REVISIONS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

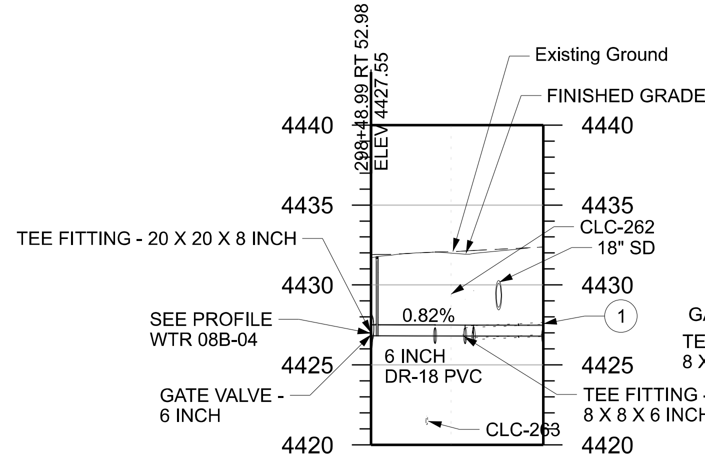
DRAWN BY JMM
QC CHECKED BY CAS
7/3/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER: S-I15-8(157)336
WTR PROFILE
SHEET NO. UT-A-08A

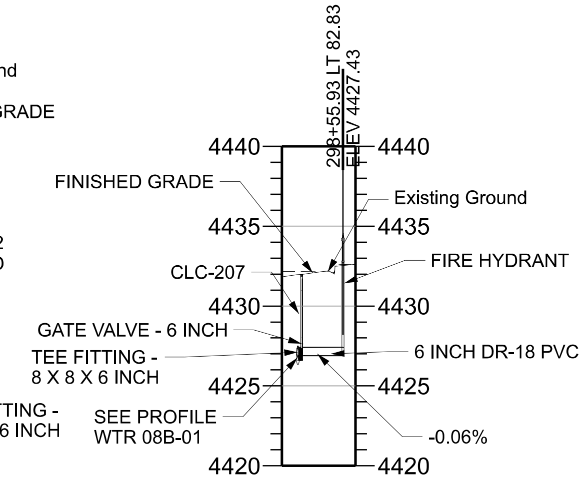
EXHIBIT B

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-207	Clinton City	sd	15 inch	Remove Existing Utility
CLC-262	Clinton City	sd	15 inch	Remove Existing Utility
CLC-263	Clinton City	wtr	8 inch	Remove Existing Utility
CLC-385	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-386	DWCCC	irr	8 inch	Remove Existing Utility
CLC-387	Clinton City	swr	8 inch	No Vertical Conflict
CLC-389	Clinton City	sd	15 inch	Remove Existing Utility
CLC-390	Comcast	bctv	4 inch	Loop Existing Utility - Vertical
CLC-391	RMP	be	4 inch	Adjust Proposed Utility in Design
CLC-392*	Clinton City	sd	15 inch	Remove Existing Utility
CLC-393*	Clinton City	sd	6 inch	Remove Existing Utility
CLC-395	Comcast	bfo	4 inch	No Vertical Conflict
CLC-396	Comcast	bctv	4 inch	No Vertical Conflict
CLC-626	Dominion Energy	gas		Loop Existing Utility - Horizontal

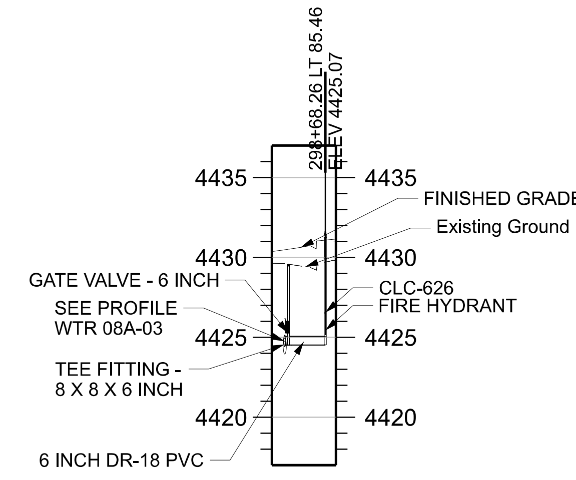
*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.



PROFILE WTR 08B-01

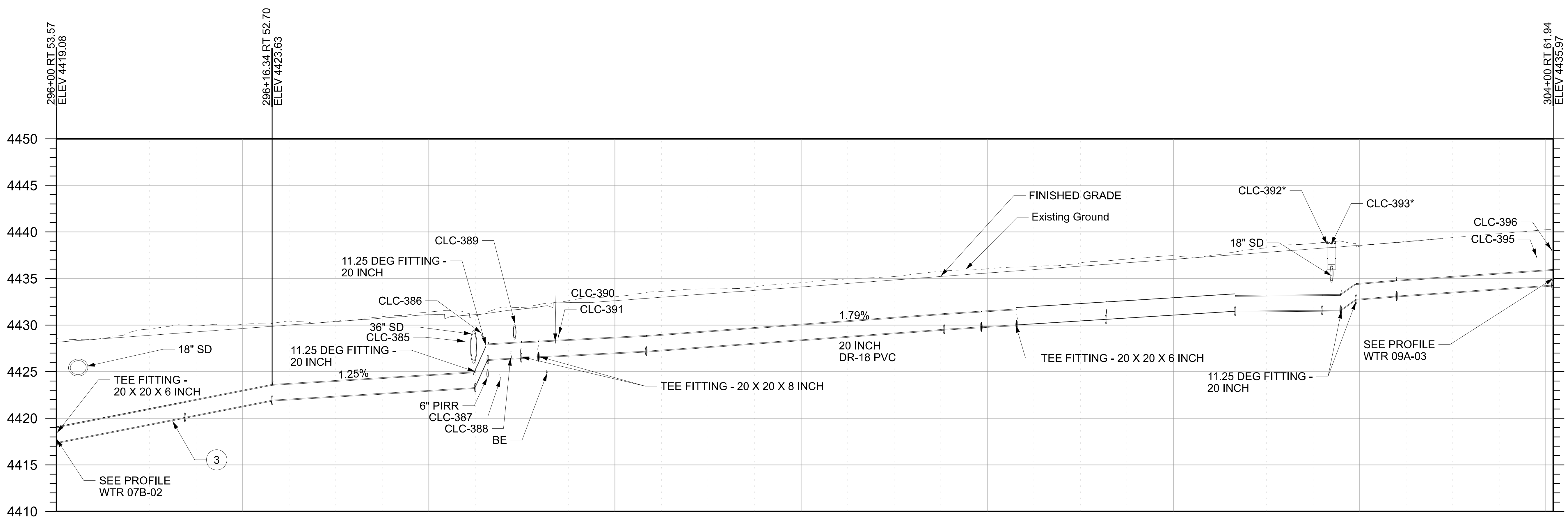


PROFILE WTR 08B-02



PROFILE WTR 08B-03

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.



PROFILE WTR 08B-04

CLINTON CULINARY WATER

REVISIONS	
NO. / DATE / APPROVED BY / REMARKS	
UTAH DEPARTMENT OF TRANSPORTATION	
JUB ENGINEERS, INC.	
DRAWN BY	JMM
QC CHECKED BY	CAS
DATE	7/3/2024
APPROVED	BFC
PROFESSIONAL ENGINEER	
PROJECT	I-15; 1800 NORTH INTERCHANGE
PIN	15682
PROJECT NUMBER	S-I15-8(157)336
	WTR PROFILE
SHEET NO.	UT-A-08B

EXHIBIT B

CULINARY PIPE AND FITTINGS - 10 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
304+66.73 RT 77.50 TO 304+67.31 RT 69.84
304+62.50 RT 100.79 TO 304+66.73 RT 77.50
304+61.67 RT 110.70 TO 304+62.36 RT 102.50

11.25 DEG FITTING - 10 INCH (CLINTON)
SR-37 (1800 NORTH)
304+62.36 RT 102.50 (VERTICAL FITTING)
304+66.72 RT 77.59 (VERTICAL FITTING)

TEE FITTING - 10 X 10 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
304+61.85 RT 108.58

PIPE COUPLING - 10 INCH (CLINTON)
SR-37 (1800 NORTH)
304+61.67 RT 110.71

CULINARY PIPE AND FITTINGS - 16 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
304+67.31 RT 69.84 TO 304+67.48 RT 67.85
304+67.48 RT 67.85 TO 304+85.98 LT 161.42

REDUCER FITTING - 16 X 10 INCH (CLINTON)
SR-37 (1800 NORTH)
304+67.31 RT 69.84

CULINARY PIPE AND FITTINGS - 20 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
304+67.48 RT 67.85 TO 309+31.45 RT 86.95
309+31.45 RT 86.95 TO MATCH LINE RT 81.31
MATCH LINE RT 61.94 TO 304+67.48 RT 67.85

11.25 DEG FITTING - 20 INCH (CLINTON)
SR-37 (1800 NORTH)
304+12.82 RT 63.12 (VERTICAL FITTING)
304+21.66 RT 63.92 (VERTICAL FITTING)
305+18.81 RT 71.78 (VERTICAL FITTING)
305+26.27 RT 72.38 (VERTICAL FITTING)

TEE FITTING - 20 X 20 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
311+51.77 RT 81.70

TEE FITTING - 20 X 20 X 8 INCH (CLINTON)
SR-37 (1800 NORTH)
309+31.45 RT 86.95

CROSS FITTING - 20 X 20 X 16 X 16 INCH (CLINTON)
SR-37 (1800 NORTH)
304+67.48 RT 67.85

CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
309+31.45 RT 86.95 TO 309+31.66 RT 97.03
309+31.66 RT 97.03 TO 309+41.24 RT 145.25
309+41.24 RT 145.25 TO 309+42.03 RT 149.17
309+42.03 RT 149.17 TO 309+43.17 RT 150.84
309+43.17 RT 150.84 TO 309+48.02 RT 154.76
309+48.02 RT 154.76 TO 309+48.12 RT 158.75

11.25 DEG FITTING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
309+31.66 RT 97.03
309+42.03 RT 149.17

TEE FITTING - 8 X 8 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
309+41.24 RT 145.25

45 DEG FITTING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
309+48.02 RT 154.76

22.5 DEG FITTING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
309+43.17 RT 150.84

PIPE COUPLING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
309+48.12 RT 158.75

CONNECT SERVICE TO EXISTING WATER METER (CLINTON) REQ'D
SR-37 (1800 NORTH)
306+54.86 RT 90.41
307+33.14 RT 93.62

GATE VALVE - 10 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
304+62.17 RT 104.78

GATE VALVE - 16 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
304+67.90 RT 62.80

GATE VALVE - 20 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
304+27.37 RT 64.43
304+91.67 RT 69.75

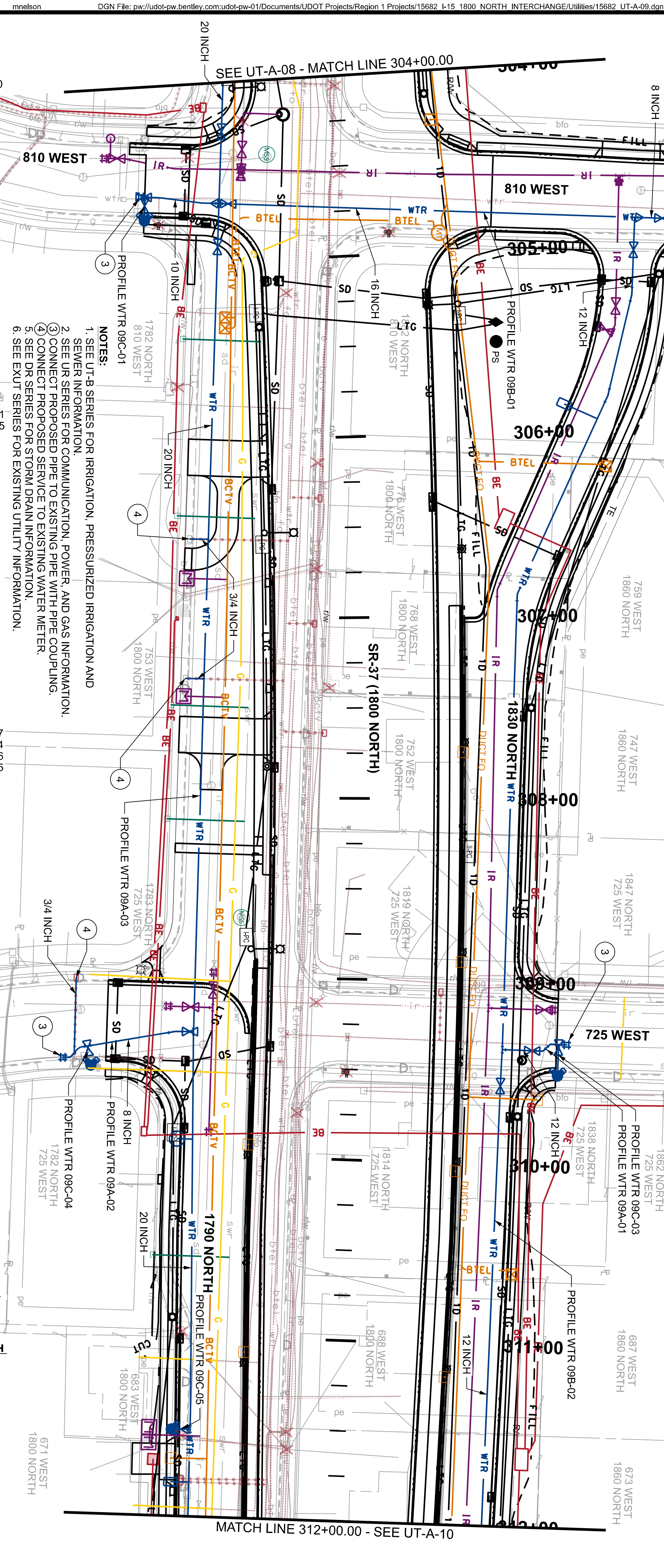
GATE VALVE - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
309+31.49 RT 88.87

SAMPLING STATION ASSEMBLY (CLINTON) REQ'D
SR-37 (1800 NORTH)
309+91.35 RT 94.26

WATER METER BOX AND SETTER - 3/4 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
311+81.15 RT 91.51

WATER SERVICE - 3/4 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
306+54.86 RT 90.41 TO 306+55.25 RT 80.01
307+33.14 RT 93.62 TO 307+33.45 RT 83.35
309+02.58 RT 152.53 TO 309+45.23 RT 152.51
311+80.92 RT 81.46 TO 311+81.15 RT 91.54

FIRE HYDRANT ASSEMBLY, SHORT (CLINTON) REQ'D
SR-37 (1800 NORTH)
304+75.21 RT 109.52
309+52.03 RT 143.18
311+51.99 RT 92.10



NOTES:
1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
4. CONNECT PROPOSED SERVICE TO EXISTING WATER METER.
5. SEE DR SERIES FOR STORM DRAIN INFORMATION.
6. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.

PIPE SUPPORT (CLINTON) REQ'D
SR-37 (1800 NORTH)
309+17.22 LT 84.15

CULINARY PIPE AND FITTINGS - 12 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
304+85.98 LT 161.42 TO 305+27.37 LT 158.01
305+27.37 LT 158.01 TO 305+81.50 LT 142.81
305+81.50 LT 142.81 TO 306+88.11 LT 90.36
306+88.11 LT 90.36 TO 309+36.65 LT 84.07
309+32.95 LT 110.53 TO 309+32.98 LT 115.13
309+32.95 LT 110.53 TO 309+36.81 LT 106.56
309+32.98 LT 115.13 TO 309+33.02 LT 119.49
309+36.65 LT 84.07 TO 309+36.81 LT 106.56
309+36.65 LT 84.07 TO MATCH LINE LT 81.16

22.5 DEG FITTING - 12 INCH (CLINTON)
SR-37 (1800 NORTH)
306+88.11 LT 90.36

11.25 DEG FITTING - 12 INCH (CLINTON)
SR-37 (1800 NORTH)
305+27.37 LT 158.01
305+81.50 LT 142.81

TEE FITTING - 12 X 12 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
309+33.44 LT 115.13

PIPE COUPLING - 12 INCH (CLINTON)
SR-37 (1800 NORTH)
309+33.42 LT 119.49

45 DEG FITTING - 12 INCH (CLINTON)
SR-37 (1800 NORTH)
309+33.46 LT 110.53
309+36.66 LT 86.07 (VERTICAL FITTING)
309+36.67 LT 88.06 (VERTICAL FITTING)
309+36.80 LT 105.35

TEE FITTING - 12 X 12 X 12 INCH (CLINTON)
SR-37 (1800 NORTH)
309+36.65 LT 84.07

CULINARY PIPE AND FITTINGS - 16 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
304+85.98 LT 161.42 TO 304+86.13 LT 163.41

TEE FITTING - 16 X 16 X 12 INCH (CLINTON)
SR-37 (1800 NORTH)
304+85.98 LT 161.42

REDUCER FITTING - 16 X 8 INCH (CLINTON)
SR-37 (1800 NORTH)
304+86.13 LT 163.41

CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
304+86.13 LT 163.41 TO 304+88.82 LT 198.30
304+88.82 LT 198.30 TO 304+89.20 LT 203.19
304+84.79 LT 208.46 TO 304+85.21 LT 213.44
304+84.79 LT 208.46 TO 304+89.20 LT 203.19

TEE FITTING - 8 X 8 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
304+88.82 LT 198.30

45 DEG FITTING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
304+84.79 LT 208.46
304+89.20 LT 203.19

PIPE COUPLING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
304+85.00 LT 210.95

GATE VALVE - 12 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
305+03.42 LT 159.95
309+36.76 LT 100.56
309+56.46 LT 83.59

GATE VALVE - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
304+87.16 LT 176.68

WATER METER BOX AND SETTER - 3/4 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
305+85.36 LT 118.51

WATER SERVICE - 3/4 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
305+85.36 LT 118.51 TO 305+93.84 LT 136.59

FIRE HYDRANT ASSEMBLY, SHORT (CLINTON) REQ'D
SR-37 (1800 NORTH)
304+99.38 LT 197.35
309+50.10 LT 115.02

PROJECT	I-15; 1800 NORTH INTERCHANGE		
PROJECT NUMBER	S-I15-8(157)336	PIN	15682
	UTILITY - WTR		

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

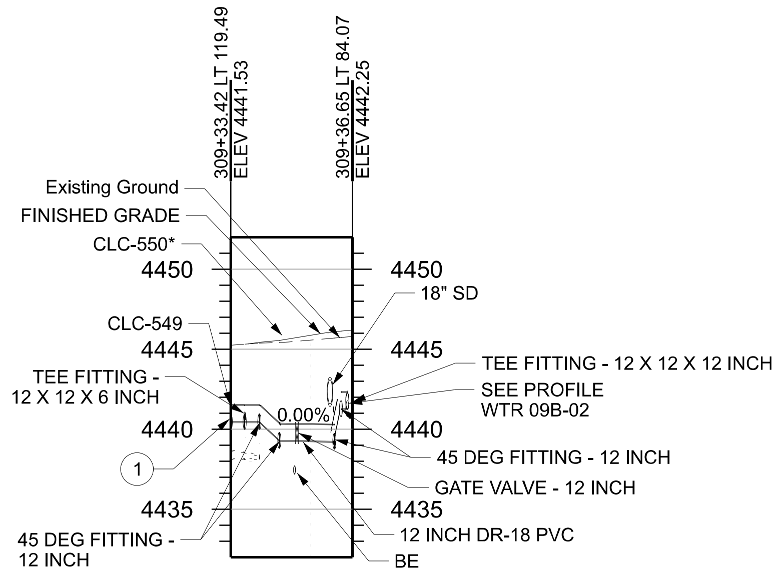
APPROVED		DRAWN BY	JMM
PROFESSIONAL ENGINEER	7/3/2024 DATE	QC CHECKED BY	CAS

REVISIONS

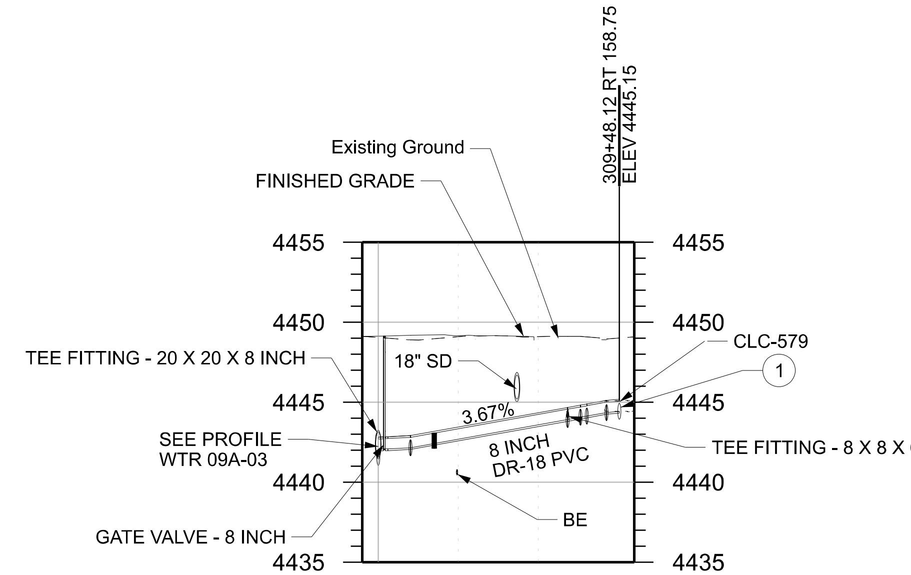
NO.	DATE	APPROVED BY	REMARKS

SHEET NO. UT-A-09

EXHIBIT B



PROFILE WTR 09A-01

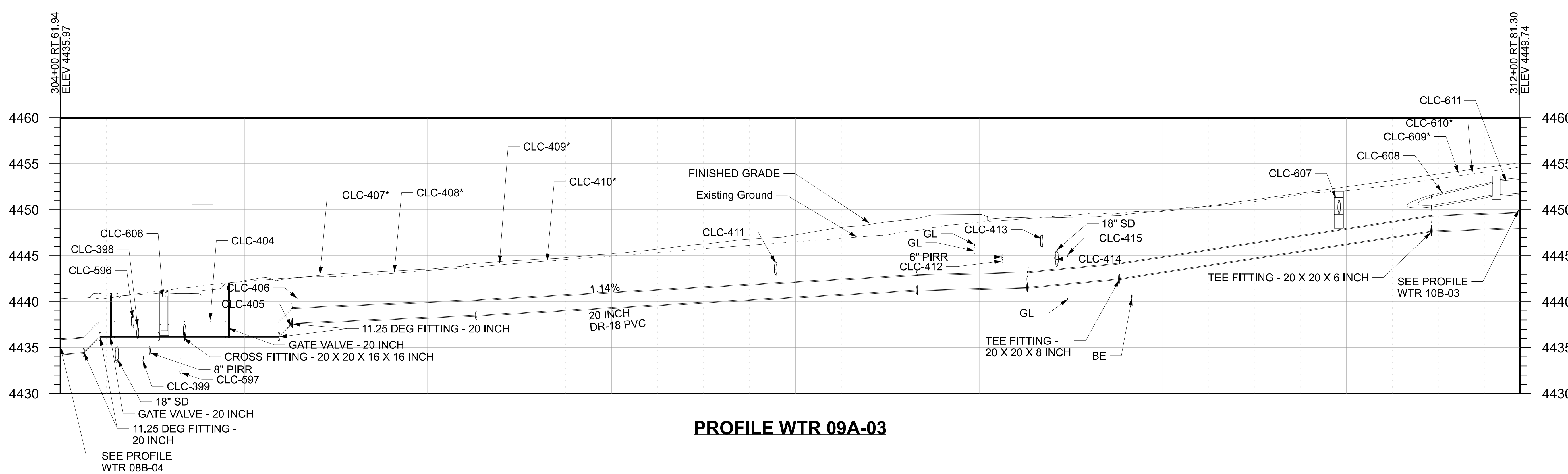


PROFILE WTR 09A-02

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-397	Connext	bfo		No Vertical Conflict
CLC-398	DWCCC	irr	8 inch	Remove Existing Utility
CLC-399	Clinton City	swr	8 inch	No Vertical Conflict
CLC-404	Dominion Energy	gas	2 inch	Loop Existing Utility - Vertica
CLC-405	CenturyLink	bfo	4 inch	Loop Existing Utility - Vertica
CLC-406	CenturyLink	btel	4 inch	Remove Existing Utility
CLC-407*	Clinton City	wtr	unk	Remove Existing Utility
CLC-408*	DWCCC	irr	unk	Remove Existing Utility
CLC-409*	Clinton City	wtr	unk	Remove Existing Utility
CLC-410*	DWCCC	irr	unk	Remove Existing Utility
CLC-411	Clinton City	sd	15 inch	Remove Existing Utility
CLC-412	DWCCC	irr	6 inch	Remove Existing Utility
CLC-413	Clinton City	sd	15 inch	Remove Existing Utility
CLC-414	Clinton City	wtr	8 inch	Remove Existing Utility
CLC-415	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-550	Clinton City	swr	4 inch	Remove Existing Utility
CLC-579	Clinton City	wtr	6 inch	Connect to Existing Utility
CLC-596	Clinton City	sd		Remove Existing Utility
CLC-597	Clinton City	wtr		Remove Existing Utility
CLC-606	Clinton City	sd		Remove Existing Utility
CLC-607	Clinton City	sd		Remove Existing Utility
CLC-608		bfo		Remove Existing Utility
CLC-609*	Clinton City	wtr		Remove Existing Utility
CLC-610*	Clinton City	wtr		Remove Existing Utility
CLC-611	Clinton City	sd		Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but the r depth is unknown.

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.



PROFILE WTR 09A-03

CLINTON CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

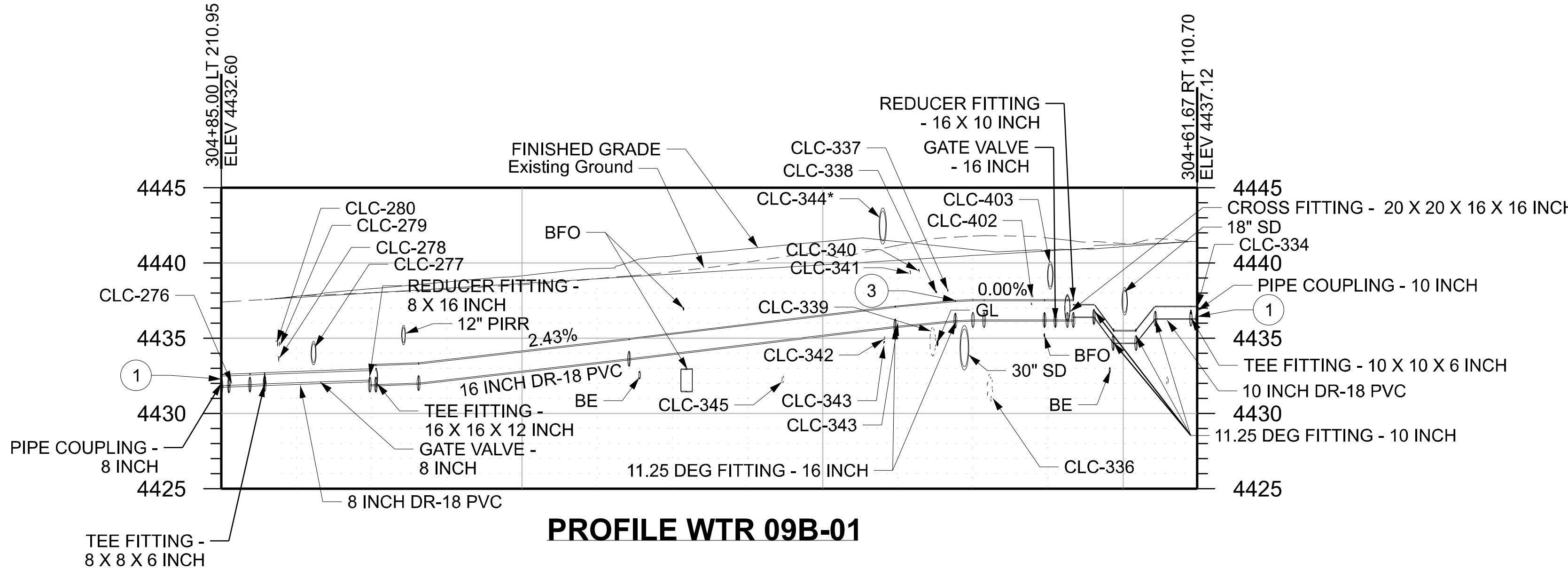
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY JMM
QC CHECKED BY CAS
7/3/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN 15682
WTR PROFILE

SHEET NO. UT-A-09A

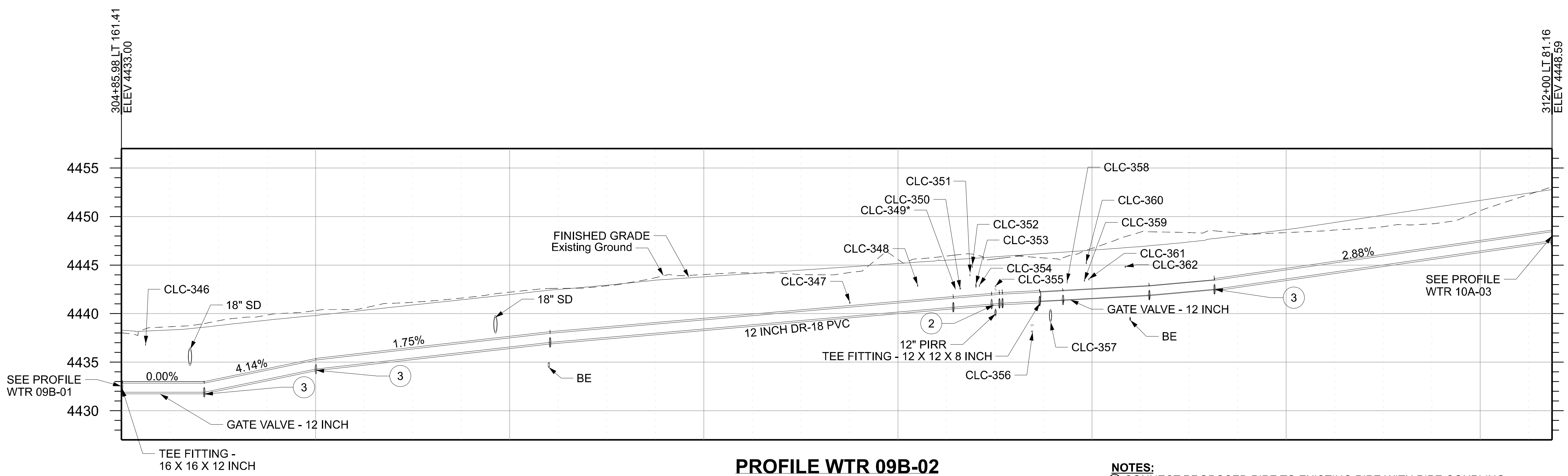
EXHIBIT B



PROFILE WTR 09B-01

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-276	Clinton City	wtr	8 inch	Connect to Existing Utility
CLC-277	Clinton City	sd	15 inch	Remove Existing Utility
CLC-278	RMP	be		No Vertical Conflict
CLC-279	CenturyLink	btel		No Vertical Conflict
CLC-280	Comcast	bctv		No Vertical Conflict
CLC-334	Clinton City	wtr	10 inch	Remove Existing Utility
CLC-336	NDSD	swr	18 inch	No Vertical Conflict
CLC-337	CenturyLink	bfo		Remove Existing Utility
CLC-338	Dominion Energy	gas	4 inch	Remove Existing Utility
CLC-339	Clinton City	wtr	20 inch	Remove Existing Utility
CLC-340	CenturyLink	btel		Remove Existing Utility
CLC-341	CenturyLink	btel		Remove Existing Utility
CLC-342	Comcast	bctv		Remove Existing Utility
CLC-343	Comcast	bfo		Remove Existing Utility
CLC-344*	LDS Church	irr	24 inch	Remove Existing Utility
CLC-345	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-346	Dominion Energy	gas	1.25 inch	No Vertical Conflict
CLC-347	Comcast	bctv	2 inch	Remove Existing Utility
CLC-348	Comcast	bctv	2 inch	No Vertical Conflict
CLC-349*	Clinton City	swr	4 inch	Remove Existing Utility
CLC-350	RMP	be	4 inch	No Vertical Conflict
CLC-351	Comcast	bfo	4 inch	No Vertical Conflict
CLC-352	Comcast	bctv	4 inch	No Vertical Conflict
CLC-353	RMP	be	4 inch	No Vertical Conflict
CLC-354	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-355	DWCCC	irr	6 inch	Remove Existing Utility
CLC-356	Clinton City	wtr	12 inch	Remove Existing Utility
CLC-357	Clinton City	sd	8 inch	Remove Existing Utility
CLC-358	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-359	RMP	be	4 inch	Adjust Existing Utility
CLC-360	RMP	be	4 inch	No Vertical Conflict
CLC-361	Connext	bfo	4 inch	Abandon Existing Utility
CLC-362	Comcast	bctv	2 inch	No Vertical Conflict
CLC-402	DWCCC	irr	8 inch	No Vertical Conflict
CLC-403	Clinton City	sd	18 inch	Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but the r depth is unknown.



PROFILE WTR 09B-02

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

NO.	DATE	APPROVED BY	REMARKS

REVISIONS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY JMM

QC CHECKED BY CAS

7/3/2024
DATE

APPROVED

PROFESSIONAL ENGINEER

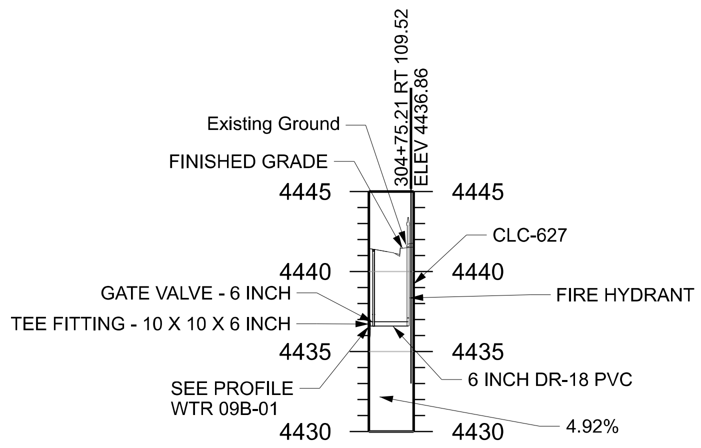
PROJECT: I-15; 1800 NORTH INTERCHANGE

PIN 15682

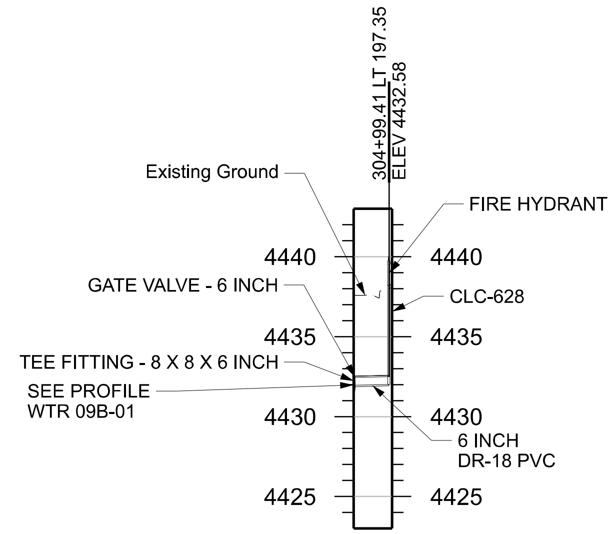
PROJECT NUMBER S-I15-8(157)336

WTR PROFILE

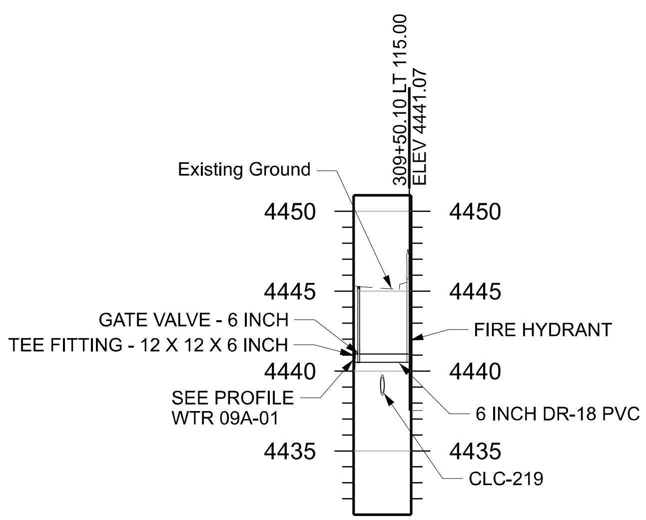
SHEET NO. UT-A-09B



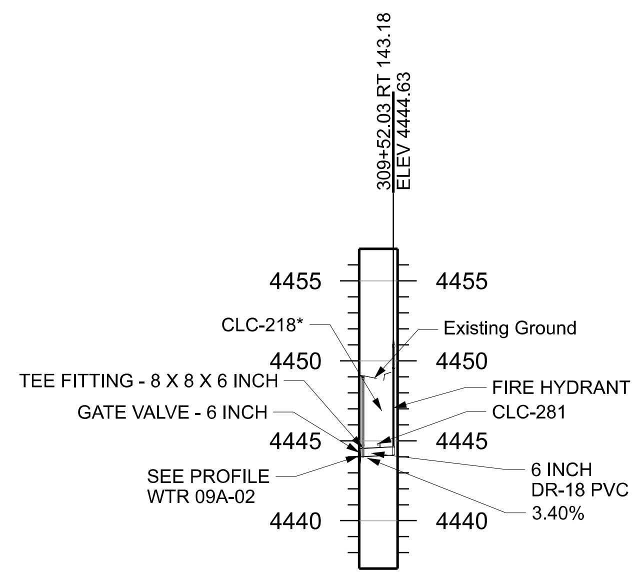
PROFILE WTR 09C-01



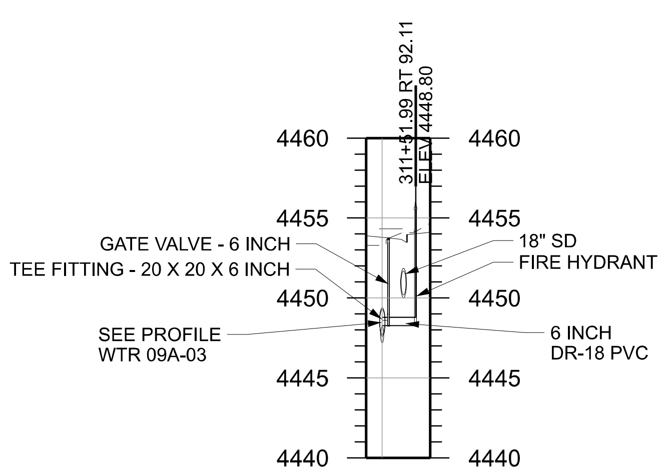
PROFILE WTR 09C-02



PROFILE WTR 09C-03



PROFILE WTR 09C-04



PROFILE WTR 09C-05

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-218*	Clinton City	sd	15 inch	Remove Existing Utility
CLC-219	Clinton City	sd	8 inch	No Vertical Conflict
CLC-281	Clinton City	wtr	8 inch	Remove Existing Utility
CLC-627	Dominion Energy	gas		Protect in Place Existing Utility
CLC-628	Dominion Energy	gas	1.25 inch	Loop Existing Utility - Horizontal
CLC-629	Dominion Energy	gas		Loop Existing Utility - Horizontal
CLC-630	Dominion Energy	gas	2 inch	Loop Existing Utility - Horizontal

*These Utilities are shown in the profile at their approximate horizontal location, but the r depth is unknown.

NOTES:

1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY JMM
QC CHECKED BY CAS
APPROVED
7/3/2024
DATE
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN 15682
WTR PROFILE

SHEET NO. UT-A-09C

EXHIBIT B

CULINARY PIPE AND FITTINGS - 10 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
318+85.56 RT 89.54 TO 318+90.16 RT 184.36
319+36.34 RT 82.17 TO 319+37.04 RT 95.18
318+90.16 RT 184.36 TO 318+95.98 RT 190.11
318+95.98 RT 190.11 TO 318+96.37 RT 201.36

45 DEG FITTING - 10 INCH (CLINTON)
SR-37 (1800 NORTH)
318+90.16 RT 184.36
318+95.98 RT 190.11
319+36.66 RT 88.16 (VERTICAL FITTING)
319+36.90 RT 92.45 (VERTICAL FITTING)

PIPE COUPLING - 10 INCH (CLINTON)
SR-37 (1800 NORTH)
318+96.37 RT 201.36
319+37.04 RT 95.18

CULINARY PIPE AND FITTINGS - 16 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
318+85.45 RT 87.52 TO 318+85.56 RT 89.54
318+85.45 RT 87.52 TO 318+87.97 LT 77.45

REDUCER FITTING - 16 X 10 INCH (CLINTON)
SR-37 (1800 NORTH)
318+85.68 RT 92.27

CULINARY PIPE AND FITTINGS - 20 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
312+54.71 RT 80.86 TO 314+69.39 RT 80.90
314+69.39 RT 80.90 TO 315+35.49 RT 94.46
315+35.49 RT 94.46 TO 318+85.58 RT 90.02
318+85.58 RT 90.02 TO 319+05.07 RT 88.72
319+05.07 RT 88.72 TO 319+27.77 RT 82.61
319+27.77 RT 82.61 TO 319+36.34 RT 82.17
319+36.34 RT 82.17 TO 319+57.18 RT 81.09
319+57.18 RT 81.09 TO 319+61.30 RT 80.87
319+61.30 RT 80.87 TO 319+71.91 RT 82.42
319+71.91 RT 82.42 TO MATCH LINE RT 81.53
MATCH LINE RT 81.31 TO 312+54.71 RT 80.86

11.25 DEG FITTING - 20 INCH (CLINTON)
SR-37 (1800 NORTH)
314+69.39 RT 80.90
315+35.49 RT 94.46
318+79.69 RT 90.41 (VERTICAL FITTING)
318+83.28 RT 90.17 (VERTICAL FITTING)
319+05.07 RT 88.72
319+27.77 RT 82.61
319+61.30 RT 80.87
319+71.91 RT 82.42

TEE FITTING - 20 X 20 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
314+48.36 RT 80.85
319+57.18 RT 81.09

TEE FITTING - 20 X 20 X 8 INCH (CLINTON)
SR-37 (1800 NORTH)
312+54.71 RT 80.86

CROSS FITTING - 20 X 20 X 16 X 16 INCH (CLINTON)
SR-37 (1800 NORTH)
318+85.58 RT 90.02

22.5 DEG FITTING - 20 INCH (CLINTON)
SR-37 (1800 NORTH)
312+61.11 RT 80.81 (VERTICAL FITTING)
312+67.21 RT 80.76 (VERTICAL FITTING)

TEE FITTING - 20 X 20 X 10 INCH (CLINTON)
SR-37 (1800 NORTH)
319+36.34 RT 82.17

CULINARY PIPE AND FITTINGS - 6 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
312+71.13 RT 146.54 TO 312+71.15 RT 144.54

PIPE COUPLING - 6 INCH (CLINTON)
SR-37 (1800 NORTH)
312+71.13 RT 146.54

CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
312+54.71 RT 80.86 TO 312+54.89 RT 104.10
312+54.89 RT 104.10 TO 312+71.03 RT 142.19
312+71.15 RT 144.54 TO 312+71.18 RT 142.54

REDUCER FITTING - 8 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
312+71.15 RT 144.54

45 DEG FITTING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
312+61.67 RT 120.09 (VERTICAL FITTING)
312+62.86 RT 122.90 (VERTICAL FITTING)

22.5 DEG FITTING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
312+54.89 RT 104.10
312+71.18 RT 142.54

PIPE SUPPORT (CLINTON) REQ'D
SR-37 (1800 NORTH)
318+77.35 LT 77.63

GATE VALVE - 10 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
318+85.79 RT 94.51
319+36.45 RT 84.12

GATE VALVE - 16 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
318+85.48 RT 87.77

GATE VALVE - 20 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
318+48.77 RT 92.47
319+42.99 RT 81.82

GATE VALVE - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
312+54.84 RT 98.00

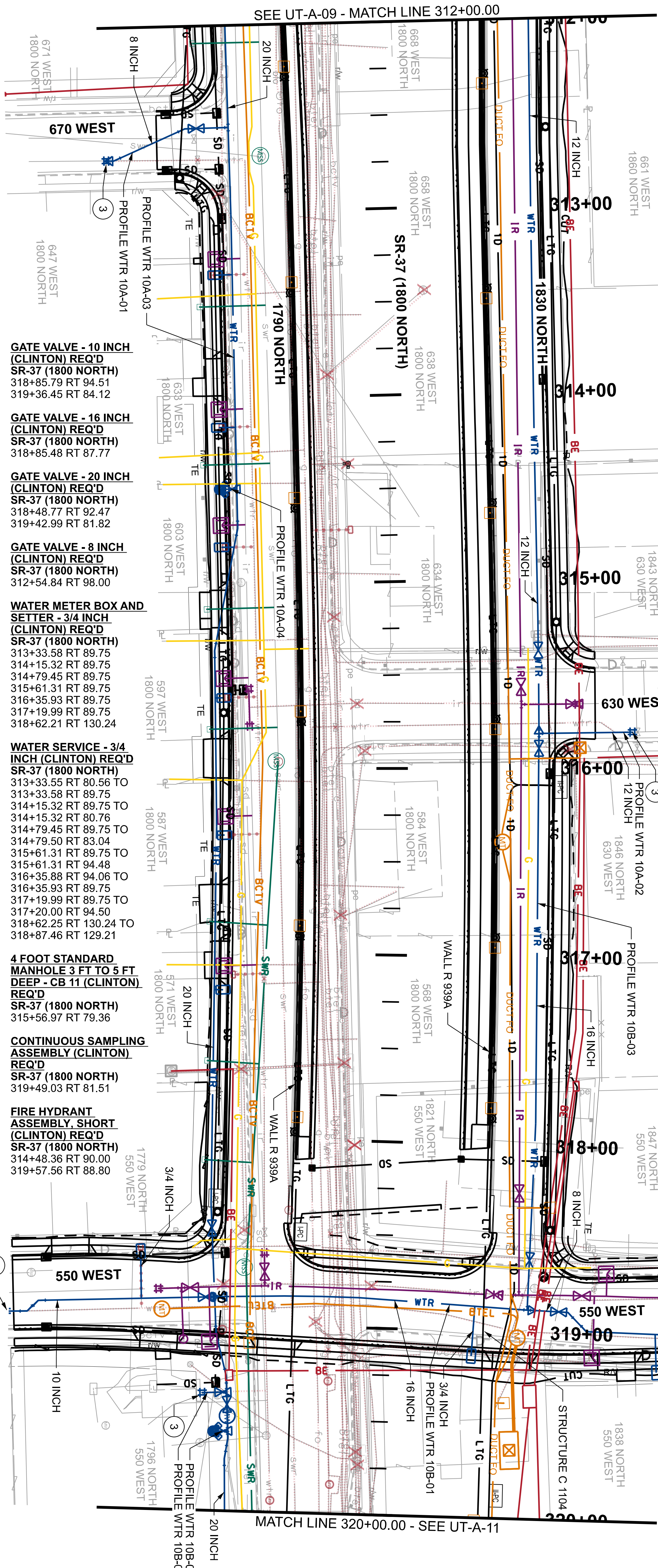
WATER METER BOX AND SETTER - 3/4 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
313+33.58 RT 89.75
314+15.32 RT 89.75
314+79.45 RT 89.75
315+61.31 RT 89.75
316+35.93 RT 89.75
317+19.99 RT 89.75
318+62.21 RT 130.24

WATER SERVICE - 3/4 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
313+33.55 RT 80.56 TO
313+33.58 RT 89.75
314+15.32 RT 89.75 TO
314+15.32 RT 80.76
314+79.45 RT 89.75 TO
314+79.50 RT 83.04
315+61.31 RT 89.75 TO
315+61.31 RT 94.48
316+35.88 RT 94.06 TO
316+35.93 RT 89.75
317+19.99 RT 89.75 TO
317+20.00 RT 94.50
318+62.25 RT 130.24 TO
318+87.46 RT 129.21

4 FOOT STANDARD MANHOLE 3 FT TO 5 FT DEEP - CB 11 (CLINTON) REQ'D
SR-37 (1800 NORTH)
315+56.97 RT 79.36

CONTINUOUS SAMPLING ASSEMBLY (CLINTON) REQ'D
SR-37 (1800 NORTH)
319+49.03 RT 81.51

FIRE HYDRANT ASSEMBLY, SHORT (CLINTON) REQ'D
SR-37 (1800 NORTH)
314+48.36 RT 90.00
319+57.56 RT 88.80



CULINARY PIPE AND FITTINGS - 12 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
315+81.41 LT 128.68 TO 315+81.76 LT 78.72
MATCH LINE LT 81.16 TO 315+80.52 LT 78.72

PIPE COUPLING - 12 INCH (CLINTON)
SR-37 (1800 NORTH)
315+81.41 LT 128.68

CULINARY PIPE AND FITTINGS - 16 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
315+80.52 LT 78.72 TO 318+87.97 LT 77.45
318+87.97 LT 77.45 TO 318+88.02 LT 79.45

REDUCER FITTING - 16 X 12 INCH (CLINTON)
SR-37 (1800 NORTH)
315+80.52 LT 78.72

TEE FITTING - 16 X 16 X 12 INCH (CLINTON)
SR-37 (1800 NORTH)
315+81.76 LT 78.72

REDUCER FITTING - 16 X 8 INCH (CLINTON)
SR-37 (1800 NORTH)
318+88.02 LT 79.45

22.5 DEG FITTING - 16 INCH (CLINTON)
SR-37 (1800 NORTH)
318+10.20 LT 78.77 (VERTICAL FITTING)
318+16.50 LT 78.66 (VERTICAL FITTING)

TEE FITTING - 16 X 16 X 16 INCH (CLINTON)
SR-37 (1800 NORTH)
318+87.97 LT 77.45

CULINARY PIPE AND FITTINGS - 6 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
319+00.37 LT 112.72 TO 319+00.43 LT 114.72

PIPE COUPLING - 6 INCH (CLINTON)
SR-37 (1800 NORTH)
318+99.49 LT 177.81

CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
318+88.02 LT 79.45 TO 318+88.60 LT 99.30
318+98.63 LT 109.35 TO 318+99.49 LT 177.81
318+88.60 LT 99.30 TO 318+98.63 LT 109.35

REDUCER FITTING - 8 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
318+99.54 LT 176.81

45 DEG FITTING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
318+88.60 LT 99.30
318+98.63 LT 109.35

GATE VALVE - 12 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
315+37.70 LT 78.74

GATE VALVE - 16 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
315+89.60 LT 78.63
318+61.45 LT 77.90

GATE VALVE - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
318+88.45 LT 94.30

WATER METER BOX AND SETTER - 3/4 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
319+13.40 LT 48.14
319+19.52 LT 147.41

WATER SERVICE - 3/4 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
318+94.88 LT 145.99 TO 319+19.52 LT 147.41
319+13.40 LT 48.14 TO 318+86.72 LT 49.37

PIPE SUPPORT (CLINTON) REQ'D
SR-37 (1800 NORTH)
318+77.35 LT 77.63

NOTES:
1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.

PROJECT	I-15; 1800 NORTH INTERCHANGE		
PROJECT NUMBER	S-I15-8(157)336	PIN	15682
	UTILITY - WTR		

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED

PROFESSIONAL ENGINEER

7/3/2024
DATE

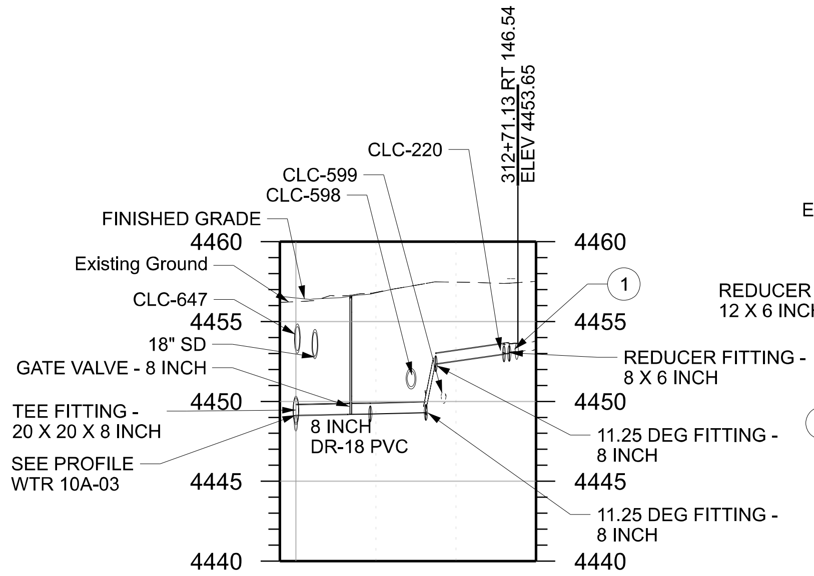
DRAWN BY	JMM
QC CHECKED BY	CAS

REVISIONS

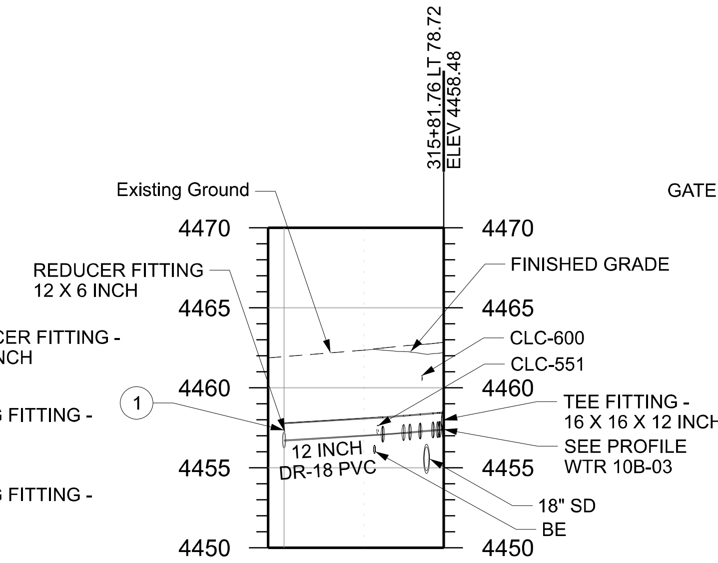
NO.	DATE	APPROVED BY	REMARKS

SHEET NO. UT-A-10

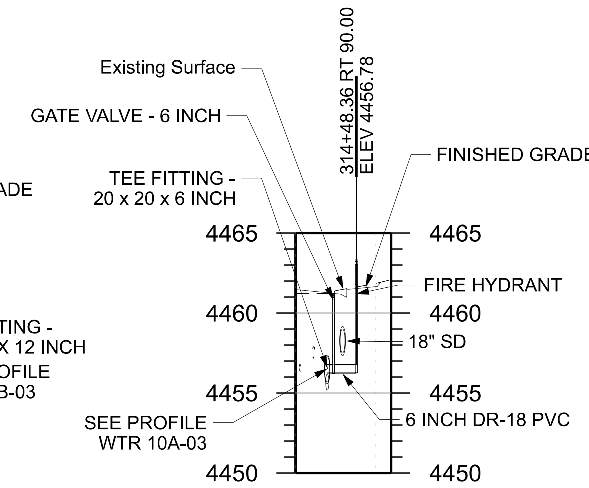
EXHIBIT B



PROFILE WTR 10A-01



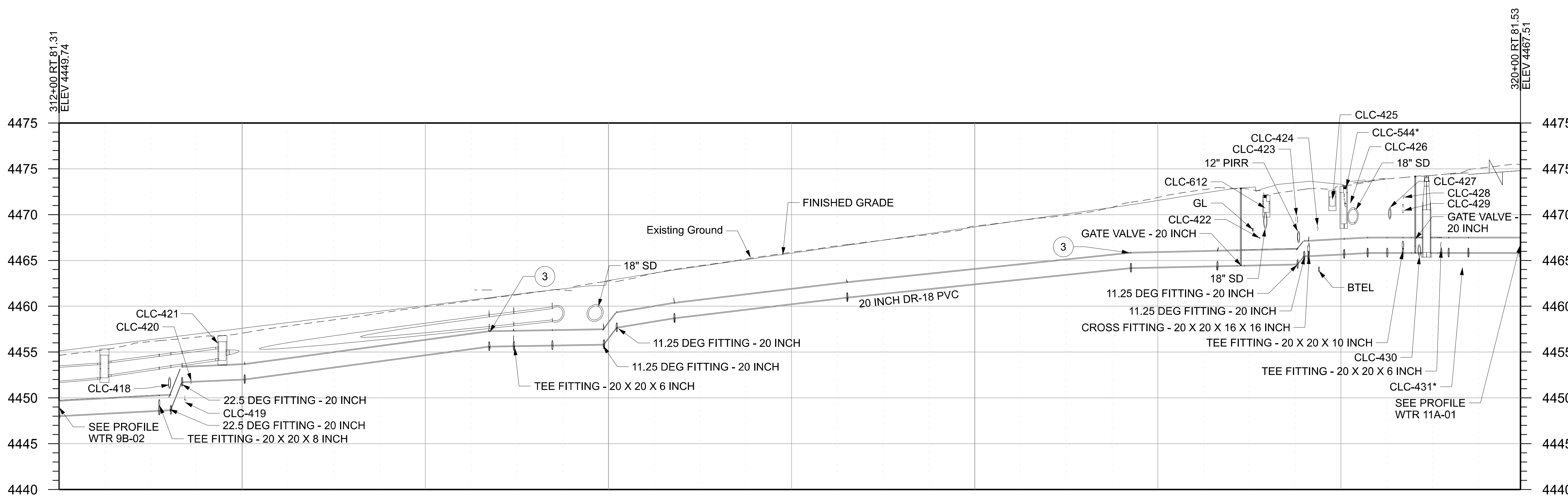
PROFILE WTR 10A-02



PROFILE WTR 10A-04

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-220	Clinton City	wtr	6 inch	Connect to Existing Utility
CLC-418	DWCCC	irr	8 inch	No Vertical Conflict
CLC-419	Clinton City	swr	8 inch	No Vertical Conflict
CLC-420	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-421	Clinton City	sd	12 inch	Remove Existing Utility
CLC-422	Dominion Energy	gas	4 inch	No Vertical Conflict
CLC-423	DWCCC	irr	12 inch	Remove Existing Utility
CLC-424	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-425	Clinton City	sd	12 inch	No Vertical Conflict
CLC-426	Comcast	bctv	4 inch	No Vertical Conflict
CLC-427	Clinton City	sd	10 inch	Remove Existing Utility
CLC-428	RMP	be	4 inch	Remove Existing Utility
CLC-429	Clinton City	wtr	10 inch	Remove Existing Utility
CLC-430	Clinton City	sd	12 inch	Relocate Existing Utility
CLC-431*	Clinton City	wtr	6 inch	Protect in Place Existing Utility
CLC-544	DWCCC	irr av		Relocate Existing Utility
CLC-551	Clinton City	wtr	12 inch	Connect to Existing Utility
CLC-598	Clinton City	irr		No Vertical Conflict
CLC-599	Clinton City	swr		No Vertical Conflict
CLC-600		bfo		No Vertical Conflict
CLC-612	Clinton City	sd		Remove Existing Utility
CLC-647	Clinton City	sd	18 inch	Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.



PROFILE WTR 10A-03

NOTES:

1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

NO.	DATE	APPROVED BY	REVISIONS	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

APPROVED

PROFESSIONAL ENGINEER

DATE 7/3/2024

DRAWN BY JMM

QC CHECKED BY CAS

PROJECT: I-15; 1800 NORTH INTERCHANGE

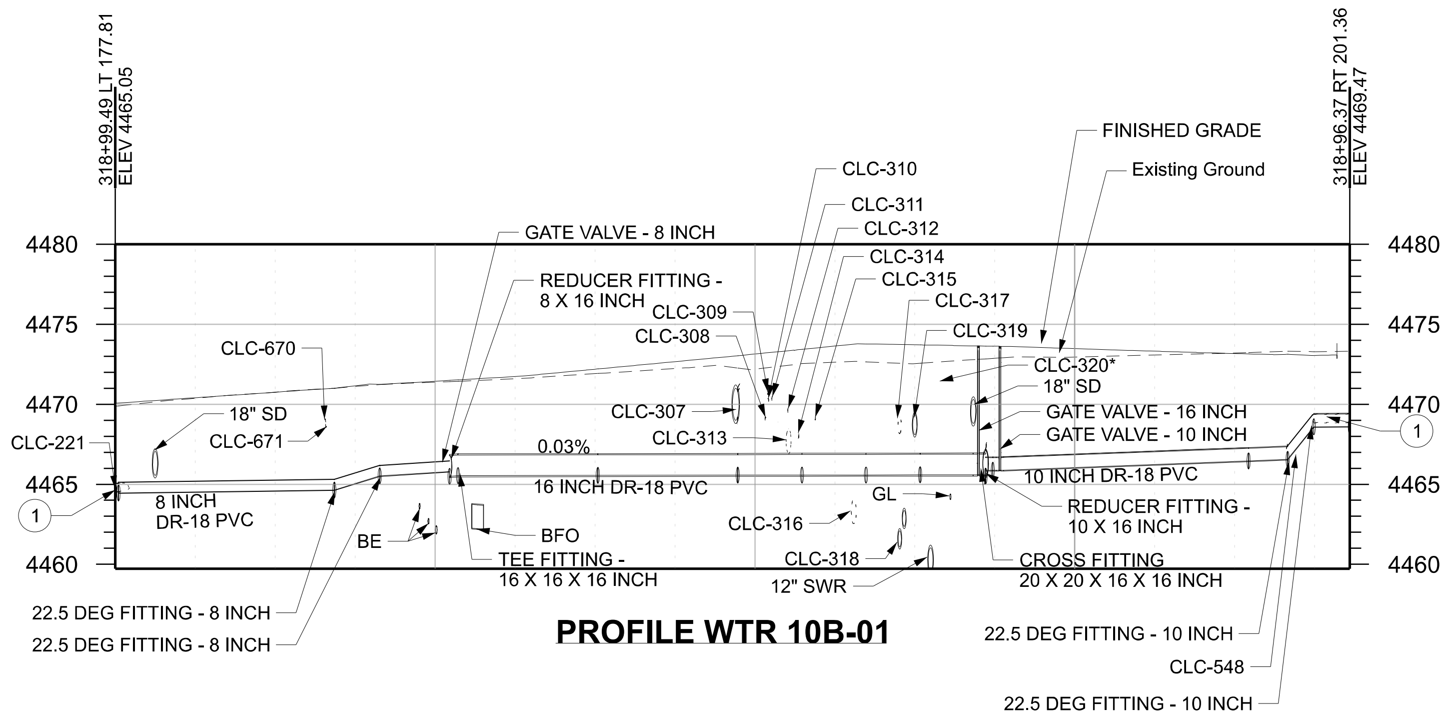
PROJECT NUMBER: S-I15-8(157)336

PIN 15682

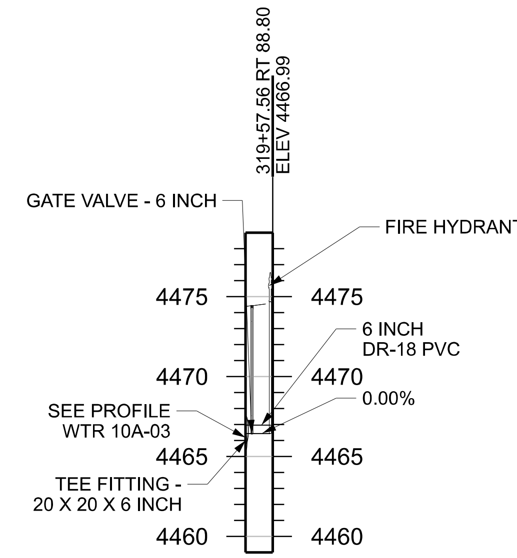
WTR PROFILE

SHEET NO. UT-A-10A

EXHIBIT B



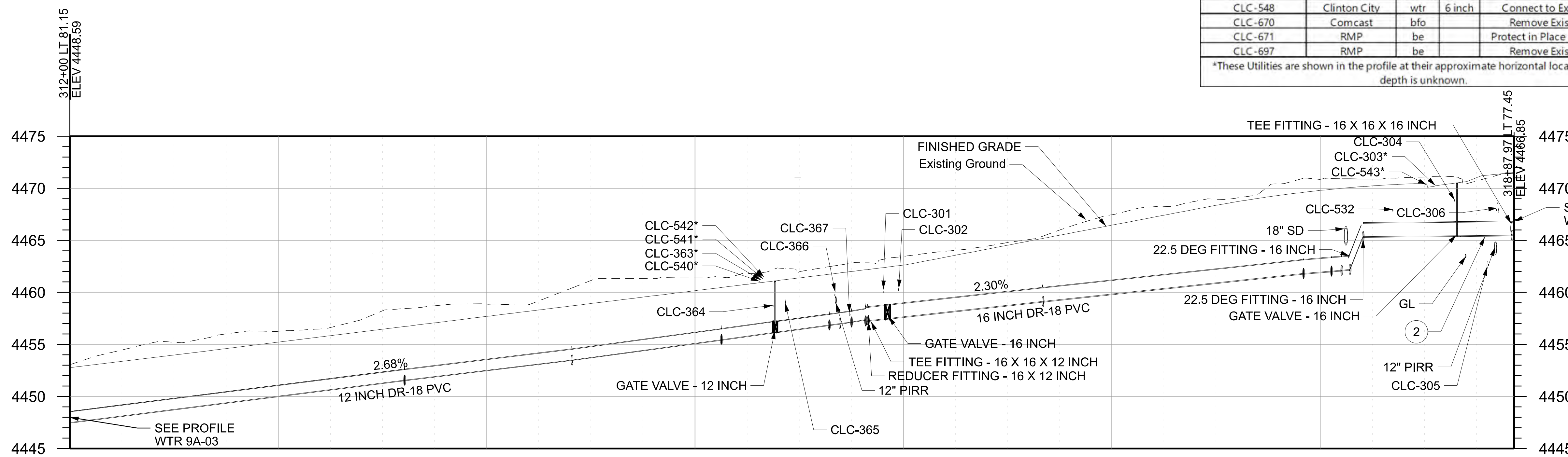
PROFILE WTR 10B-01



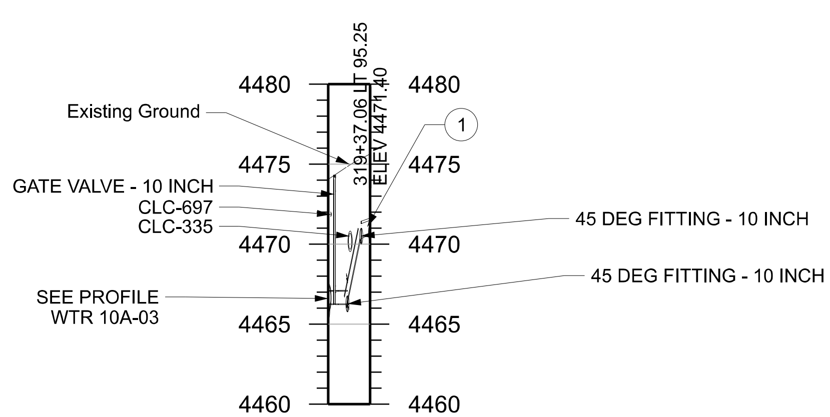
PROFILE WTR 10B-02

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-221	Clinton City	wtr	6 inch	Connect to Existing Utility
CLC-301	CenturyLink	btel	4 inch	Remove Existing Utility
CLC-302	Connext	bfo		Remove Existing Utility
CLC-303*	Comcast	bctv		Remove Existing Utility
CLC-304	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-305	Clinton City	swr	8 inch	No Vertical Conflict
CLC-306	DWCCC	irr	12 inch	Remove Existing Utility
CLC-307	LDS Church	irr	24 inch	Remove Existing Utility
CLC-308	CenturyLink	btel		Abandon Existing Utility
CLC-309	CenturyLink	btel		Abandon Existing Utility
CLC-310	CenturyLink	btel		Abandon Existing Utility
CLC-311	CenturyLink	btel		Abandon Existing Utility
CLC-312	CenturyLink	btel		Abandon Existing Utility
CLC-313	Clinton City	wtr	20 inch	Remove Existing Utility
CLC-314	Dominion Energy	gas	4 inch	Abandon Existing Utility
CLC-315	CenturyLink	bfo		Abandon Existing Utility
CLC-316	NDSD	swr	18 inch	No Vertical Conflict
CLC-317	Clinton City	wtr	12 inch	Remove Existing Utility
CLC-318	Clinton City	sd	8 inch	No Vertical Conflict
CLC-319	Clinton City	sd	15 inch	Remove Existing Utility
CLC-320*	DWCCC	irr	2 inch	Abandon Existing Utility
CLC-335	Clinton City	sd	8 inch	Protect in Place Existing Utility
CLC-363*	Connext	bfo		Remove Existing Utility
CLC-364	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-365	RMP	be	4 inch	No Vertical Conflict
CLC-366	DWCCC	irr	6 inch	Remove Existing Utility
CLC-367	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-532	Comcast	bctv		No Vertical Conflict
CLC-540*	Connext	bfo box		Remove Existing Utility
CLC-541*	Connext	bfo box		Remove Existing Utility
CLC-542*	Connext	bfo box		Remove Existing Utility
CLC-543*	Connext	bfo box		Remove Existing Utility
CLC-548	Clinton City	wtr	6 inch	Connect to Existing Utility
CLC-670	Comcast	bfo		Remove Existing Utility
CLC-671	RMP	be		Protect in Place Existing Utility
CLC-697	RMP	be		Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.



PROFILE WTR 10B-03



PROFILE WTR 10B-04

NOTES:

1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY: JMM
QC CHECKED BY: CAS
7/3/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN: 15682
PROJECT NUMBER: S-I15-8(157)336
WTR PROFILE

SHEET NO. UT-A-10B

EXHIBIT B

NOTES:

1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.
6. SEE UTDT-02A FOR CASING DETAILS.
7. SEE HDPE PIPE TRANSITION TO PVC OR DUCTILE IRON PIPE, SHEET UTDT-07L.
8. CONNECTIONS BETWEEN THE TEE AND THE FIRE HYDRANT SHALL BE FLANGED OR BE MECHANICALLY RESTRAINTED.
9. MECHANICALLY RESTRAIN ALL FITTINGS AND JOINTS WITHIN 14' OF THIS BEND.
10. MECHANICALLY RESTRAIN ALL FITTINGS AND JOINTS BETWEEN AND INCLUDING THE THE SLEEVE AND THE TEE AS WELL AS 10' ALONG THE RUN OF THE TEE IN BOTH DIRECTIONS. ALSO PLACE THRUST BLOCKS AT THE BEND FITTINGS. ROTATE THE BEND FITTINGS APPROXIMATELY 20 DEGREES TO ACCOMPLISH BOTH THE HORIZONTAL AND VERTICAL TRANSITION.
11. MECHANICALLY RESTRAIN ALL FITTINGS AND JOINTS BETWEEN AND INCLUDING THE THE SLEEVE AND THE TEE AS WELL AS 10' ALONG THE RUN OF THE TEE IN BOTH DIRECTIONS. ALSO PLACE THRUST BLOCKS AT THE BEND FITTINGS. ROTATE THE BEND FITTINGS APPROXIMATELY 10 DEGREES TO ACCOMPLISH BOTH THE HORIZONTAL AND VERTICAL TRANSITION.

CULINARY PIPE AND FITTINGS - 8 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
322+00.56 LT 67.00 TO 322+04.33 LT 71.73
322+00.56 LT 67.00 TO 322+14.21 RT 102.86
322+04.33 LT 71.73 TO 322+10.56 LT 79.55

45 DEG FITTING - 8 INCH (SUNSET)
SR-37 (1800 NORTH)
322+00.56 LT 67.00

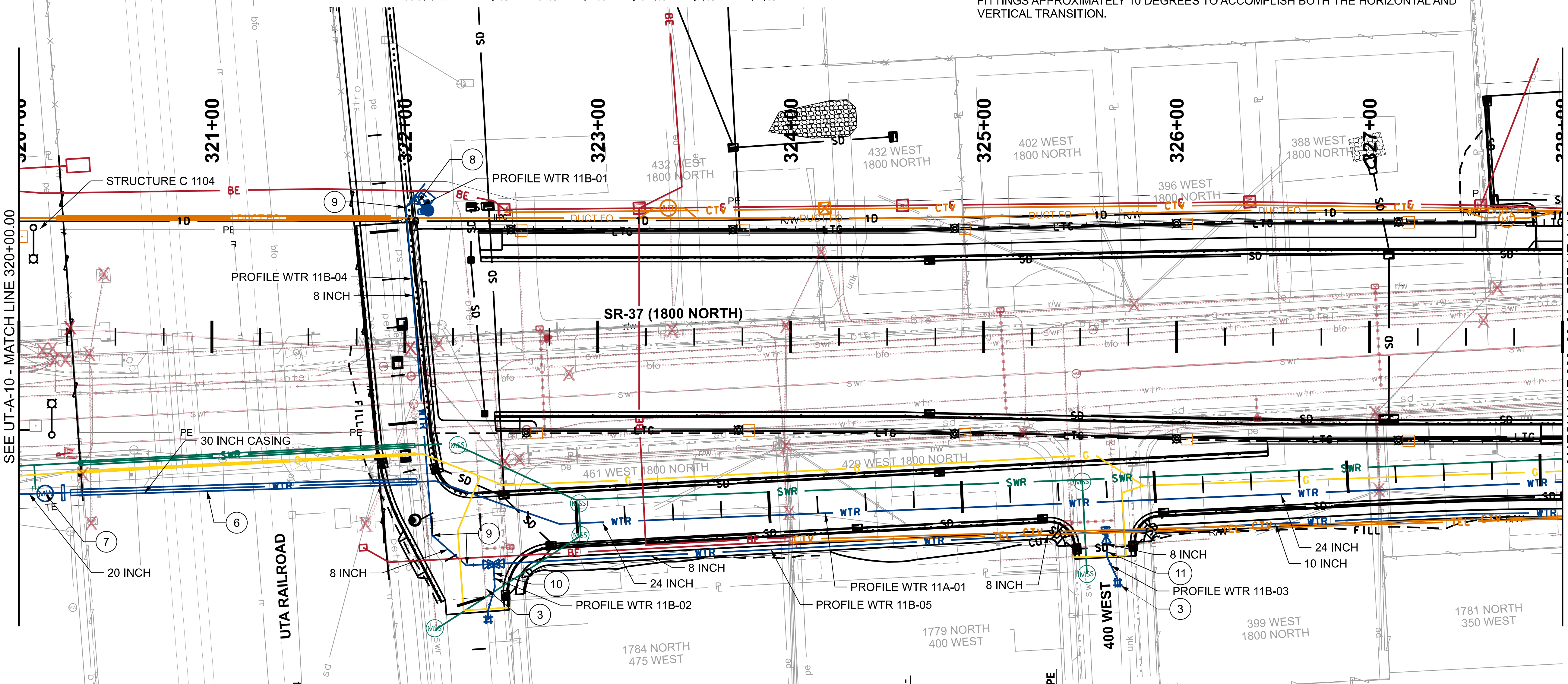
CAP/PLUG - 8 INCH (SUNSET)
SR-37 (1800 NORTH)
322+10.56 LT 79.55

TEE FITTING - 8 X 8 X 6 INCH (SUNSET)
SR-37 (1800 NORTH)
322+04.33 LT 71.73

WATER METER BOX AND SETTER - 2 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
322+11.36 LT 72.52

WATER SERVICE - 2 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
322+07.45 LT 75.64 TO 322+11.36 LT 72.52

FIRE HYDRANT ASSEMBLY, SHORT (SUNSET) REQ'D
SR-37 (1800 NORTH)
322+12.14 LT 65.50



CULINARY PIPE AND FITTINGS - 10 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
325+62.86 RT 101.10 TO 325+63.29 RT 101.08
325+63.29 RT 101.08 TO MATCH LINE RT 91.14

TEE FITTING - 10 X 10 X 8 INCH (SUNSET)
SR-37 (1800 NORTH)
325+63.29 RT 101.08

REDUCER FITTING - 10 X 8 INCH (SUNSET)
SR-37 (1800 NORTH)
325+62.80 RT 101.11

CULINARY PIPE AND FITTINGS - 20 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
MATCH LINE RT 81.53 TO 320+21.65 RT 80.85

CULINARY PIPE AND FITTINGS - 8 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
322+14.21 RT 102.86 TO 322+31.89 RT 118.42
322+31.89 RT 118.42 TO 322+45.98 RT 117.68
322+45.98 RT 117.68 TO 325+62.86 RT 101.10
325+63.29 RT 101.08 TO 325+63.98 RT 114.22
325+69.30 RT 125.37 TO 325+69.41 RT 127.37
322+42.97 RT 142.41 TO 322+46.61 RT 129.67
325+63.98 RT 114.22 TO 325+69.30 RT 125.37
322+42.97 RT 142.41 TO 322+46.61 RT 129.67
322+45.98 RT 117.68 TO 322+46.61 RT 129.67

45 DEG FITTING - 8 INCH (SUNSET)
SR-37 (1800 NORTH)
322+14.21 RT 102.86
322+31.89 RT 118.42
322+43.26 RT 146.40 (VERTICAL FITTING)
322+46.19 RT 121.68

PIPE COUPLING - 8 INCH (SUNSET)
SR-37 (1800 NORTH)
322+43.26 RT 146.40

TEE FITTING - 8 X 8 X 8 INCH (SUNSET)
SR-37 (1800 NORTH)
322+45.98 RT 117.68

22.5 DEG FITTING - 8 INCH (SUNSET)
SR-37 (1800 NORTH)
322+42.97 RT 142.41 (VERTICAL FITTING)
322+46.61 RT 129.67
325+63.98 RT 114.22
325+69.30 RT 125.37

30 INCH STEEL CASING AND CULINARY PIPE - 24 INCH, DR 11 HDPE PRESSURE (RR CROSSING) (CLINTON) REQ'D
SR-37 (1800 NORTH)
320+26.71 RT 80.69 TO 322+06.05 RT 75.09

GATE VALVE - 8 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
322+44.78 RT 117.75
322+47.18 RT 117.62
325+63.38 RT 102.73

IN-LINE CONCRETE ANCHOR BLOCK FOR HDPE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
320+22.85 RT 80.81

FLOWMETER AND CHLORINE INJECTION ASSEMBLY (CLINTON) REQ'D
SR-37 (1800 NORTH)
320+13.61 RT 81.10

CULINARY PIPE - 24 INCH, (IPS) DR11 HDPE, PRESSURIZED (CLINTON) REQ'D
SR-37 (1800 NORTH)
320+21.65 RT 80.85 TO 320+26.71 RT 80.69
322+06.05 RT 75.09 TO MATCH LINE RT 75.14

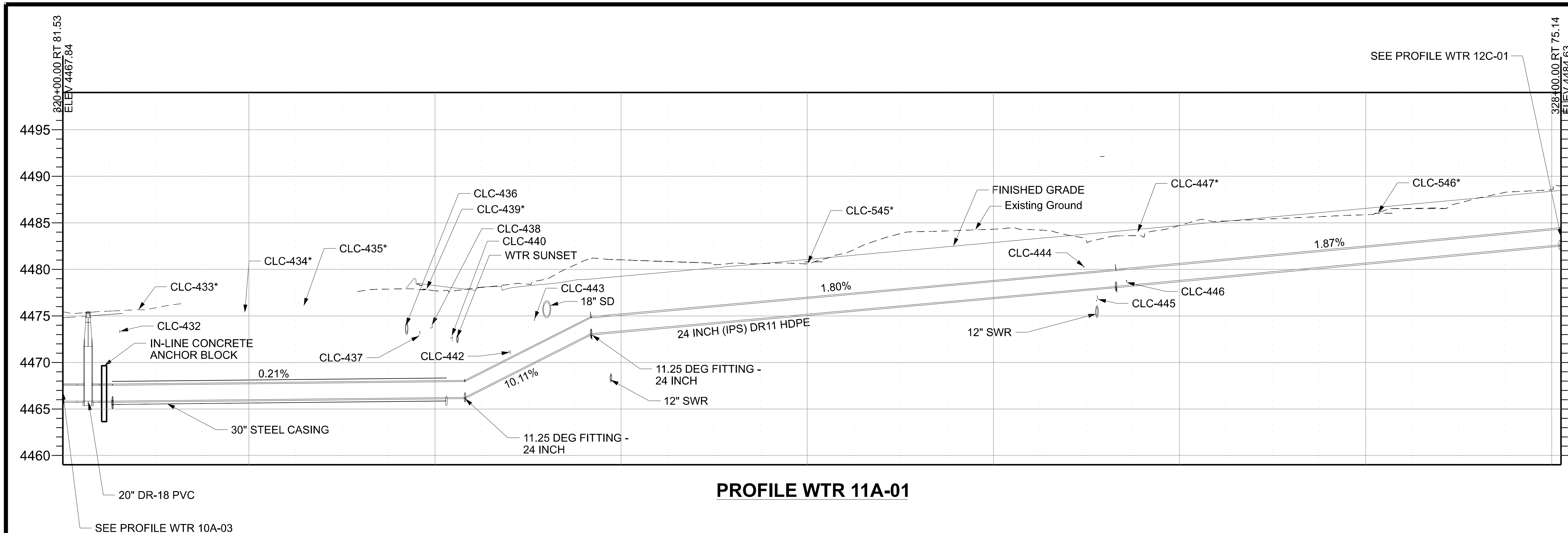
NO.	DATE	APPROVED BY	REMARKS

REVISIONS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY	JMM
QC CHECKED BY	CAS
DATE	7/3/2024
APPROVED	
PROFESSIONAL ENGINEER	
PROJECT	I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER	S-I15-8(157)336
PIN	15682
	UTILITY - WTR
SHEET NO.	UT-A-11

EXHIBIT B



PROFILE WTR 11A-01

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-432	CenturyLink	btel	4 inch	No Vertical Conflict
CLC-433*	Clinton City	sd	12 inch	Remove Existing Utility
CLC-434*	Clinton City	sd	12 inch	Protect in Place Existing Utility
CLC-435*	UTA	bfo		Protect in Place Existing Utility
CLC-436	Clinton City	sd	12 inch	Remove Existing Utility
CLC-437	Marathon Petroleum	gas	8 inch	No Vertical Conflict
CLC-438	Marathon Petroleum	gas	8 inch	No Vertical Conflict
CLC-439	Sunset City	sd	42 inch	No Vertical Conflict
CLC-440	Sunset City	swr	8 inch	No Vertical Conflict
CLC-442	Sunset City	wtr	8 inch	Remove Existing Utility
CLC-443	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-444	Dominion Energy	gas	2 inch	Loop Existing Utility - Vertical
CLC-445	Sunset City	swr	8 inch	Relocate Existing Utility
CLC-446	Sunset City	wtr	4 inch	Remove Existing Utility
CLC-447	Dominion Energy	gas	2 inch	Loop Existing Utility - Vertical
CLC-545*	RMP	epp		Remove Existing Utility
CLC-546*	RMP	epp		Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATIONS ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY JMM
QC CHECKED BY CAS
DATE 7/3/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
WTR PROFILE

SHEET NO. UT-A-11A

EXHIBIT B

NOTES:

1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.
6. SEE UTDT-02G FOR BORED UTILITY CROSSING DETAIL.
7. MECHANICALLY RESTRAIN ALL FITTINGS AND JOINTS BETWEEN AND INCLUDING THE SLEEVE AND THE CROSS. ALSO PLACE THRUST BLOCKS AT THE BENDS.
8. CONNECTIONS BETWEEN THE TEE AND THE FIRE HYDRANT SHALL BE FLANGED OR BE MECHANICALLY RESTRAINED.
9. MECHANICALLY RESTRAIN ALL FITTINGS BETWEEN AND INCLUDING THE TEE AS WELL AS 10' ALONG THE RUN OF THE TEE IN BOTH DIRECTIONS. ALSO PLACE THRUST BLOCKS AT THE BEND FITTINGS.
10. MECHANICALLY RESTRAIN ALL FITTINGS BETWEEN AND INCLUDING THE SLEEVE AND THE TEE. ALSO PLACE THRUST BLOCKS AT THE BEND FITTINGS. ROTATE THE BEND FITTINGS APPROXIMATELY 5 DEGREES TO ACCOMPLISH BOTH HORIZONTAL AND VERTICAL TRANSITION.
11. MECHANICALLY RESTRAIN ALL FITTINGS BETWEEN AND INCLUDING THE SLEEVE AND THE TEE. ALSO PLACE THRUST BLOCKS AT THE BEND FITTINGS. ROTATE THE BEND FITTINGS APPROXIMATELY 29 DEGREES TO ACCOMPLISH BOTH HORIZONTAL AND VERTICAL TRANSITION.
12. COMBINATION AIR VALVE VENT.

CULINARY PIPE AND FITTINGS - 10 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
334+21.57 LT 81.47 TO 334+24.36 LT 92.03
334+21.68 LT 76.47 TO 334+22.24 LT 50.45
334+24.25 LT 93.89 TO 334+24.36 LT 92.03
334+22.24 LT 50.45 TO 334+29.04 LT 39.66
334+29.04 LT 39.66 TO 334+36.14 RT 83.79

PIPE COUPLING - 10 INCH (SUNSET)
SR-37 (1800 NORTH)
334+24.37 LT 91.89

22.5 DEG FITTING - 10 INCH (SUNSET)
SR-37 (1800 NORTH)
334+21.57 LT 81.47
334+24.36 LT 92.03

TEE COUPLING - 10 INCH (SUNSET)
SR-37 (1800 NORTH)
334+21.68 LT 76.47

CULINARY PIPE AND FITTINGS - 6 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
331+23.12 LT 92.35 TO 331+23.31 LT 89.13

PIPE COUPLING - 6 INCH (SUNSET)
SR-37 (1800 NORTH)
331+23.12 LT 92.35

CULINARY PIPE AND FITTINGS - 8 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
331+08.48 LT 70.35 TO 331+08.61 LT 67.47
331+08.61 LT 67.47 TO 331+09.30 LT 52.00
331+23.31 LT 89.13 TO 331+23.44 LT 87.05
331+08.48 LT 70.35 TO 331+23.44 LT 87.05

45 DEG FITTING - 8 INCH (SUNSET)
SR-37 (1800 NORTH)
331+08.48 LT 70.35
331+23.44 LT 87.05

TEE FITTING - 8 X 8 X 6 INCH (SUNSET)
SR-37 (1800 NORTH)
331+08.61 LT 67.47

PIPE COUPLING - 8 INCH (SUNSET)
SR-37 (1800 NORTH)
###+##.## LT ##.##

22.5 DEG FITTING - 8 INCH (SUNSET)
SR-37 (1800 NORTH)
334+22.24 LT 50.45
334+29.04 LT 39.66

REDUCER FITTING - 8 X 6 INCH (SUNSET)
SR-37 (1800 NORTH)
331+23.31 LT 89.13

16 INCH STEEL CASING AND CULINARY PIPE - 8 INCH, DR-18 PVC, PRESSURIZED (1800 N CROSSING) (SUNSET) REQ'D
SR-37 (1800 NORTH)
331+09.34 LT 52.01 TO 331+15.03 RT 76.57

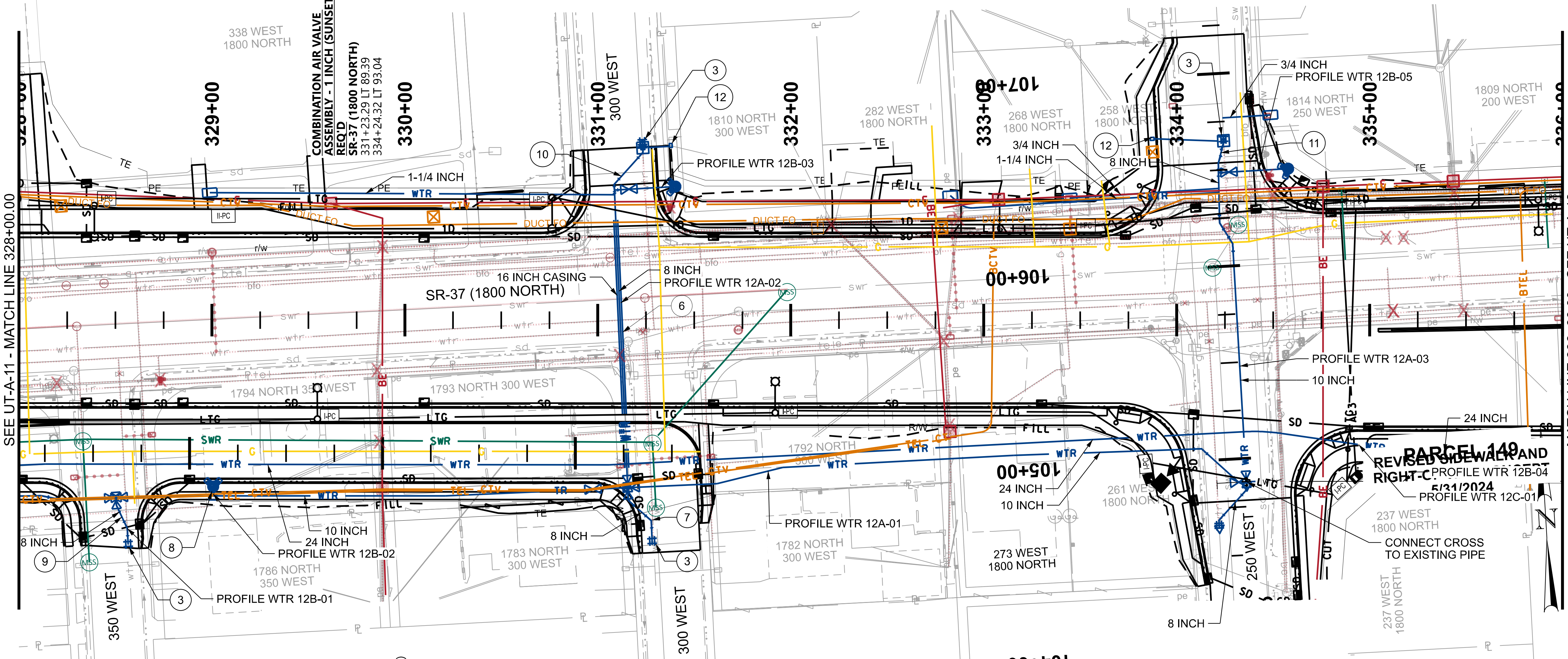
WATER METER BOX AND SETTER - 3/4 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
328+98.93 LT 66.12
332+82.70 LT 64.64
333+44.60 LT 63.38
334+48.57 LT 106.37

WATER SERVICE - 1 1/4 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
328+98.93 LT 66.12 TO 331+08.72 LT 65.03
332+82.70 LT 64.64 TO 334+21.90 LT 66.24

WATER SERVICE - 3/4 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
333+44.60 LT 63.38 TO 334+21.86 LT 68.24
334+23.67 LT 104.89 TO 334+48.57 LT 106.38

FIRE HYDRANT ASSEMBLY, SHORT (SUNSET) REQ'D
SR-37 (1800 NORTH)
331+40.24 LT 69.28
334+57.79 LT 78.55

COMBINATION AIR VALVE ASSEMBLY - 1 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
331+23.29 LT 89.39
334+24.32 LT 93.04



CULINARY PIPE AND FITTINGS - 10 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
328+11.42 RT 91.00 TO 328+23.28 RT 93.21
328+23.28 RT 93.21 TO 328+50.32 RT 91.94
328+50.32 RT 91.94 TO 331+15.50 RT 86.84
334+35.11 RT 65.90 TO 334+36.14 RT 83.79
334+40.87 RT 83.55 TO 334+33.72 RT 83.91
MATCH LINE RT 91.14 TO 328+11.42 RT 91.00
331+15.50 RT 86.84 TO 334+34.67 RT 83.63

TEE FITTING - 10 X 10 X 8 INCH (SUNSET)
SR-37 (1800 NORTH)
328+50.32 RT 91.94

CROSS FITTING - 10 X 10 X 8 X 8 INCH (SUNSET)
SR-37 (1800 NORTH)
331+15.50 RT 86.84

CROSS FITTING - 10 X 10 X 10 X 10 INCH (SUNSET)
SR-37 (1800 NORTH)
334+36.14 RT 83.79

TEE FITTING - 10 X 10 X 6 INCH (SUNSET)
SR-37 (1800 NORTH)
329+00.68 RT 91.06

11.25 DEG FITTING - 10 INCH (SUNSET)
SR-37 (1800 NORTH)
328+11.42 RT 91.00
328+23.28 RT 93.21
328+25.67 RT 93.10 (VERTICAL FITTING)
328+31.73 RT 92.81 (VERTICAL FITTING)
329+38.03 RT 91.06 (VERTICAL FITTING)
329+45.03 RT 91.06 (VERTICAL FITTING)

45 DEG FITTING - 10 INCH (SUNSET)
SR-37 (1800 NORTH)
331+23.94 RT 86.46 (VERTICAL FITTING)
331+25.84 RT 86.38 (VERTICAL FITTING)
334+12.92 RT 66.67
334+32.15 RT 84.03
334+34.76 RT 59.82 (VERTICAL FITTING)
334+34.86 RT 61.52 (VERTICAL FITTING)

REDUCER FITTING - 10 X 8 INCH (SUNSET)
SR-37 (1800 NORTH)
334+36.24 RT 85.79

GATE VALVE - 10 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
334+36.24 RT 82.48

CULINARY PIPE AND FITTINGS - 8 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
331+15.03 RT 76.57 TO 331+15.50 RT 86.84
331+15.50 RT 86.84 TO 331+15.79 RT 93.44
331+15.79 RT 93.44 TO 331+27.69 RT 103.90
331+27.69 RT 103.90 TO 331+28.25 RT 116.48
328+56.18 RT 107.98 TO 328+56.61 RT 116.03
328+50.53 RT 95.94 TO 328+56.18 RT 107.98
328+50.32 RT 91.94 TO 328+50.53 RT 95.94
334+36.34 RT 87.78 TO 334+22.15 RT 107.77

45 DEG FITTING - 8 INCH (SUNSET)
SR-37 (1800 NORTH)
328+50.53 RT 95.94
328+56.18 RT 107.98
331+15.79 RT 93.44
331+27.69 RT 103.90
334+34.76 RT 59.82 (VERTICAL FITTING)
334+34.86 RT 61.52 (VERTICAL FITTING)
334+36.34 RT 87.78

PIPE COUPLING - 8 INCH (SUNSET)
SR-37 (1800 NORTH)
325+69.17 RT 122.90
328+56.61 RT 116.03
331+28.16 RT 114.48
334+22.07 RT 106.51

22.5 DEG FITTING - 8 INCH (SUNSET)
SR-37 (1800 NORTH)
331+27.78 RT 105.90 (VERTICAL FITTING)
331+28.04 RT 111.72 (VERTICAL FITTING)

REDUCER FITTING - 8 X 6 INCH (SUNSET)
SR-37 (1800 NORTH)
334+22.15 RT 107.77

GATE VALVE - 10 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
328+48.67 RT 92.02
328+51.97 RT 91.86
330+97.51 RT 87.64
331+17.25 RT 86.76
334+32.15 RT 84.03

GATE VALVE - 8 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
328+50.40 RT 93.44
331+15.40 RT 84.75
331+15.57 RT 88.45
334+36.06 RT 82.48

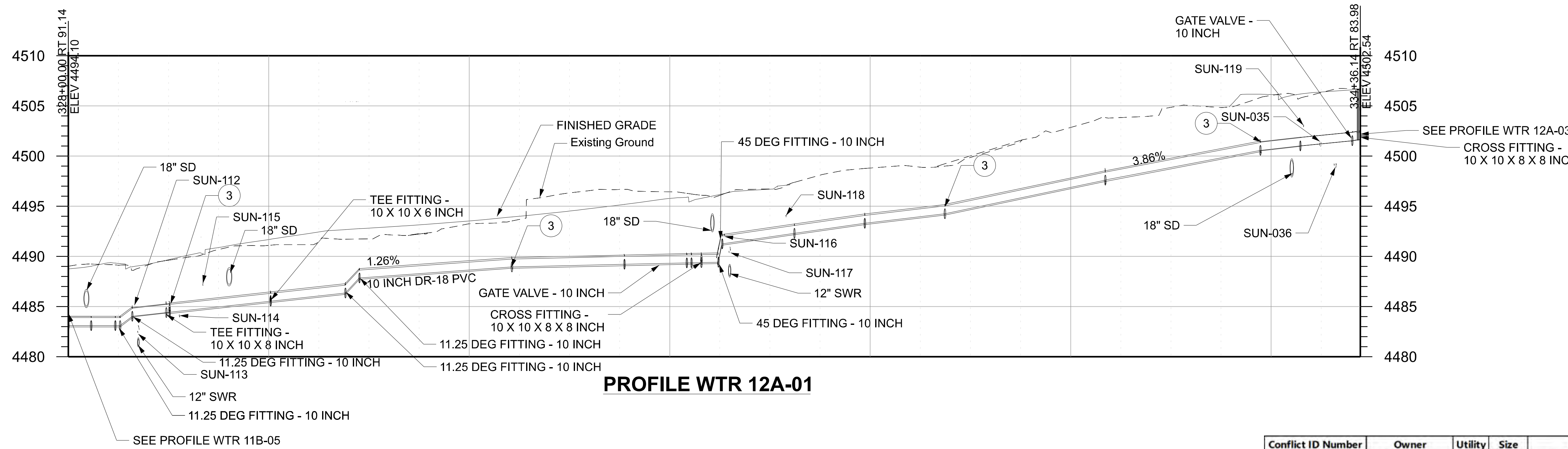
FIRE HYDRANT ASSEMBLY, SHORT (SUNSET) REQ'D
SR-37 (1800 NORTH)
329+00.68 RT 86.25

CULINARY PIPE - 24 INCH, (IPS) DR11 HDPE, PRESSURIZED (CLINTON) REQ'D
SR-37 (1800 NORTH)
MATCH LINE RT 75.14 TO MATCH LINE RT 68.50

PIPE SUPPORT (CLINTON) REQ'D
SR-37 (1800 NORTH)
331+11.40 RT 74.69

UTAH DEPARTMENT OF TRANSPORTATION	
JUB ENGINEERS, INC.	
PROFESSIONAL ENGINEER	DATE 7/3/2024
APPROVED	
DRAWN BY	JMM
QC CHECKED BY	CAS
PROJECT	I-15; 1800 NORTH INTERCHANGE
PIN	15682
PROJECT NUMBER	S-I15-8(157)336
	UTILITY - WTR
SHEET NO.	UT-A-12
NO. / DATE / APPROVED BY / REMARKS	

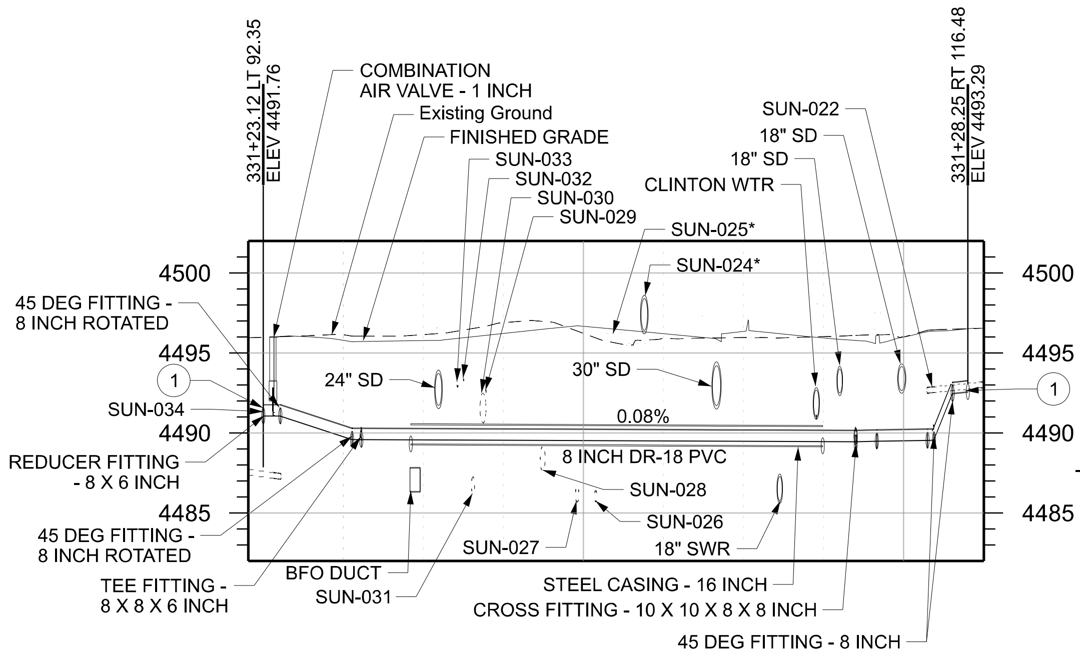
EXHIBIT B



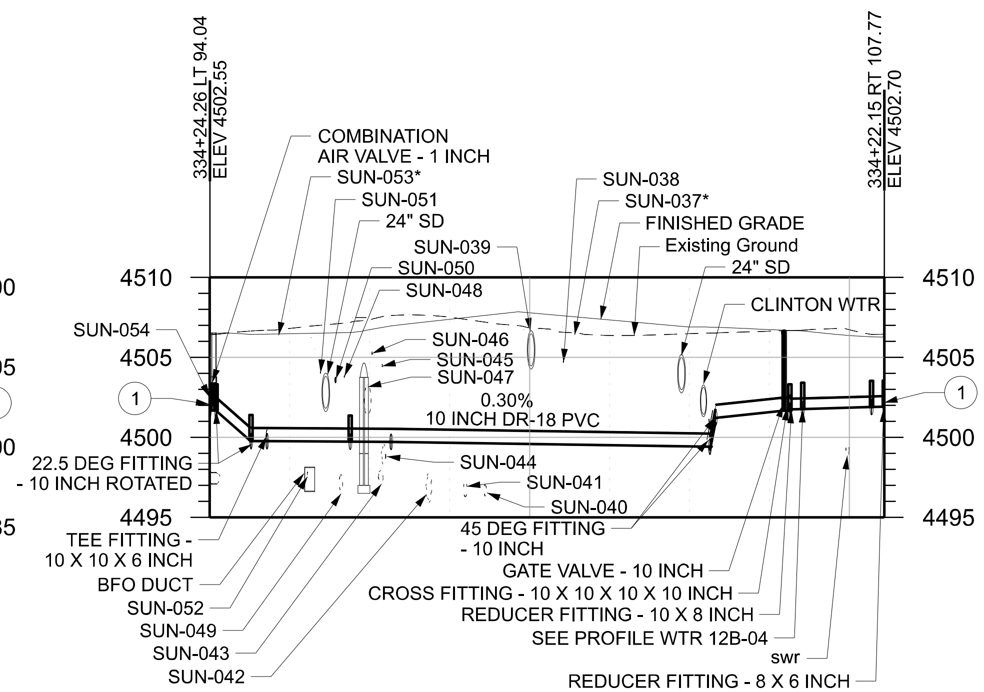
PROFILE WTR 12A-01

Conflict ID Number	Owner	Utility	Size	Final Disposition
SUN-022	Sunset City	wtr	4 inch	Connect to Existing Utility
SUN-024*	LDS Church	irr	unk	Remove Existing Utility
SUN-025	Sunset City	sd	18 inch	Remove Existing Utility
SUN-026	Sunset City	wtr	8 inch	Remove Existing Utility
SUN-027	Clinton City	wtr	12 inch	Remove Existing Utility
SUN-028	NDSD	swr	18 inch	Remove Existing Utility
SUN-029	CenturyLink	bfo		Remove Existing Utility
SUN-030	Clinton City	wtr	20 inch	Remove Existing Utility
SUN-031	NDSD	swr	12 inch	No Vertical Conflict
SUN-032	CenturyLink	btel	2 inch	Remove Existing Utility
SUN-033	Dominion Energy	gas	4 inch	Remove Existing Utility
SUN-034	Sunset City	wtr	6 inch	Connect to Existing Utility
SUN-035	Sunset City	wtr	6 inch	Remove Existing Utility
SUN-036	Sunset City	swr	8 inch	No Vertical Conflict
SUN-037*	Sunset City	sd	12 inch	Remove Existing Utility
SUN-038	UDOT	be		No Vertical Conflict
SUN-039	LDS Church	irr	unk	No Vertical Conflict
SUN-040	Sunset City	wtr	8 inch	No Vertical Conflict
SUN-041	Clinton City	wtr	12 inch	No Vertical Conflict
SUN-042	NDSD	swr	18 inch	No Vertical Conflict
SUN-043	Sunset City	wtr	8 inch	No Vertical Conflict
SUN-044	NDSD	swr	12 inch	No Vertical Conflict
SUN-045	CenturyLink	bfo	2 inch	No Vertical Conflict
SUN-046	CenturyLink	btel	2 inch	No Vertical Conflict
SUN-047	Clinton City	wtr	20 inch	Remove Existing Utility
SUN-048	Dominion Energy	gas	2 inch	No Vertical Conflict
SUN-049	NDSD	swr	12 inch	No Vertical Conflict
SUN-050	Dominion Energy	gas	4 inch	No Vertical Conflict
SUN-051	UDOT	be		No Vertical Conflict
SUN-052	CenturyLink	btel	2 inch	No Vertical Conflict
SUN-054	Sunset City	wtr	8 inch	Connect to Existing Utility
SUN-112	Sunset City	sd	12 inch	Remove Existing Utility
SUN-113	Sunset City	swr	8 inch	Remove Existing Utility
SUN-114	Sunset City	wtr	4 inch	Remove Existing Utility
SUN-115	Dominion Energy	gas	2 inch	Adjust Proposed Utility in Design
SUN-116	Sunset City	wtr	4 inch	Remove Existing Utility
SUN-117	Sunset City	swr	8 inch	Remove Existing Utility
SUN-118	Dominion Energy	gas	2 inch	Remove Existing Utility
SUN-119	Dominion Energy	gas	2 inch	No Vertical Conflict

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.



PROFILE WTR 12A-02



PROFILE WTR 12A-03

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

SUNSET CULINARY WATER

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

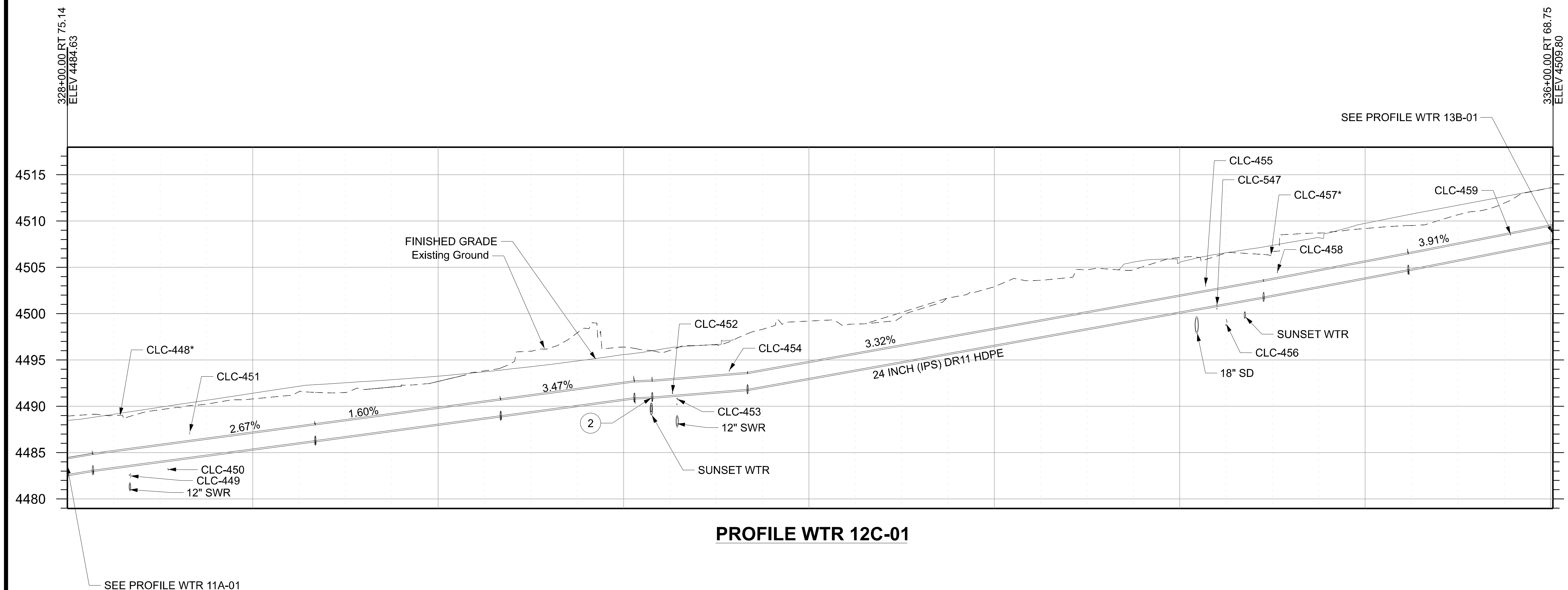
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY JMM
QC CHECKED BY CAS
APPROVED
7/3/2024 DATE
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN 15682
WTR PROFILE

SHEET NO. UT-A-12A

EXHIBIT B



PROFILE WTR 12C-01

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-448*	Sunset City	sd	12 inch	Remove Existing Utility
CLC-449	Sunset City	swr	8 inch	Remove Existing Utility
CLC-450	Sunset City	wtr	4 inch	Abandon Existing Utility
CLC-451	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-452	Sunset City	wtr	4 inch	Remove Existing Utility
CLC-453	Sunset City	swr	8 inch	Remove Existing Utility
CLC-454	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-455	Dominion Energy	gas	2 inch	Loop Existing Utility - Vertical
CLC-456	Sunset City	swr	8 inch	No Vertical Conflict
CLC-457*	Sunset City	sd	12 inch	Remove Existing Utility
CLC-458	RMP	be		Abandon Existing Utility
CLC-459	CenturyLink	btel	2 inch	Loop Existing Utility - Vertical
CLC-547	Sunset City	wtr	6 inch	Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATIONS ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY: JMM
QC CHECKED BY: CAS
DATE: 7/3/2024
APPROVED
PROFESSIONAL ENGINEER

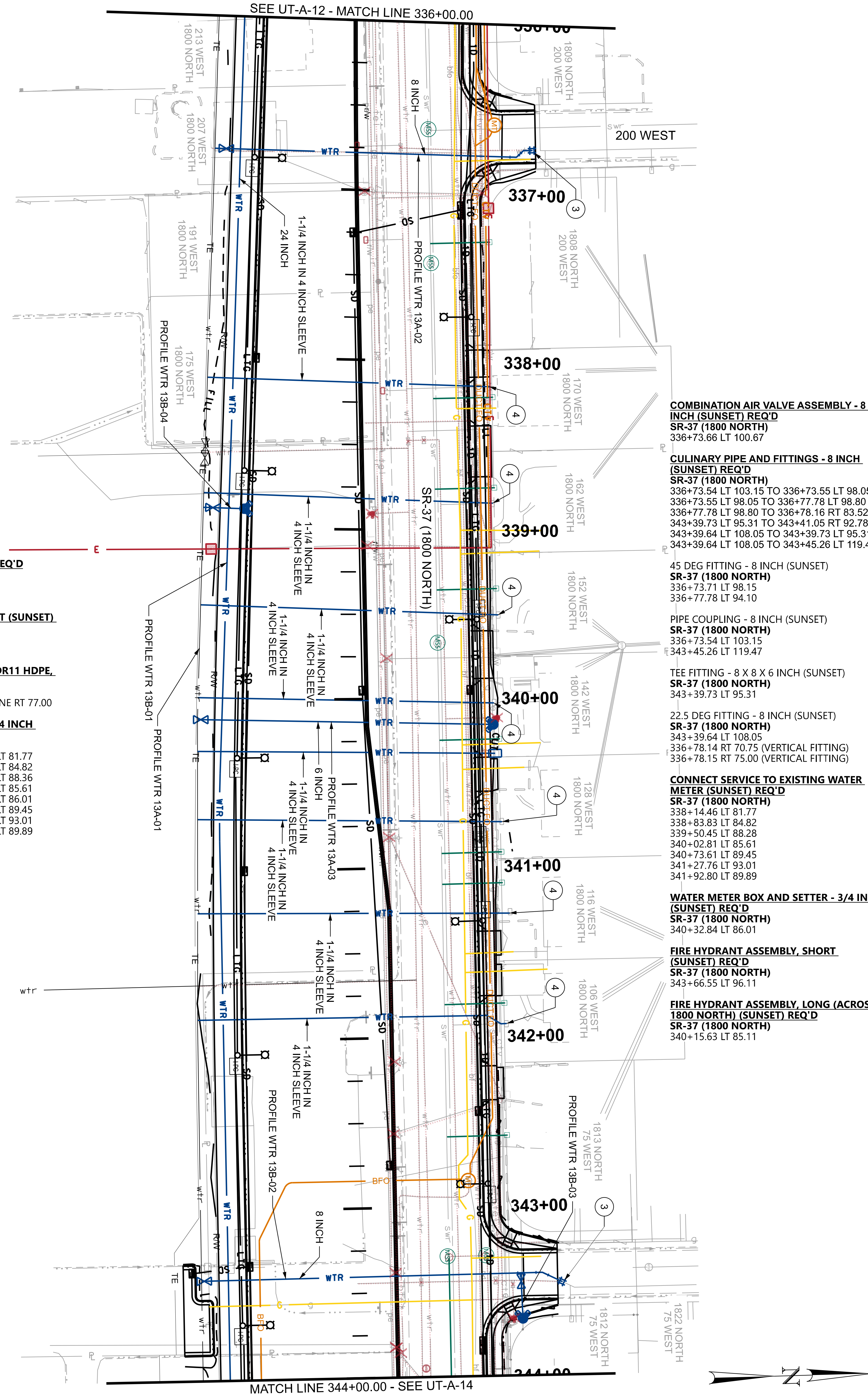
PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
WTR PROFILE
SHEET NO. UT-A-12C

EXHIBIT B

REGION 1 3-JUL-2024 09:59 mnelson DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682_I-15_1800_NORTH_INTERCHANGE/Utilities/15682_UT-A-13.dgn

NOTES:

1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
4. CONNECT PROPOSED SERVICE TO EXISTING WATER METER.
5. SEE DR SERIES FOR STORM DRAIN INFORMATION.
6. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.



GATE VALVE - 8 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
336+78.15 RT 79.26
343+41.05 RT 91.17

FIRE HYDRANT ASSEMBLY, SHORT (SUNSET) REQ'D
SR-37 (1800 NORTH)
338+88.33 RT 61.41

CULINARY PIPE - 24 INCH, (IPS) DR11 HDPE, PRESSURIZED (CLINTON) REQ'D
SR-37 (1800 NORTH)
MATCH LINE RT 68.50 TO MATCH LINE RT 77.00

WATER SERVICE - 1 1/4 INCH, IN 4 INCH SLEEVE (SUNSET) REQ'D
SR-37 (1800 NORTH)
338+11.95 RT 84.23 TO 338+14.46 LT 81.77
338+79.16 RT 85.49 TO 338+83.83 LT 84.82
339+44.44 RT 87.00 TO 339+50.34 LT 88.36
339+98.47 RT 88.87 TO 340+02.81 LT 85.61
340+29.74 RT 89.30 TO 340+32.84 LT 86.01
340+69.45 RT 89.83 TO 340+73.61 LT 89.45
341+24.60 RT 90.84 TO 341+27.76 LT 93.01
341+87.34 RT 92.08 TO 341+92.80 LT 89.89

COMBINATION AIR VALVE ASSEMBLY - 8 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
336+73.66 LT 100.67

CULINARY PIPE AND FITTINGS - 8 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
336+73.54 LT 103.15 TO 336+73.55 LT 98.05
336+73.55 LT 98.05 TO 336+77.78 LT 98.80
336+77.78 LT 98.80 TO 336+78.16 RT 83.52
343+39.73 LT 95.31 TO 343+41.05 RT 92.78
343+39.64 LT 108.05 TO 343+39.73 LT 95.31
343+39.64 LT 108.05 TO 343+45.26 LT 119.47

45 DEG FITTING - 8 INCH (SUNSET)
SR-37 (1800 NORTH)
336+73.71 LT 98.15
336+77.78 LT 94.10

PIPE COUPLING - 8 INCH (SUNSET)
SR-37 (1800 NORTH)
336+73.54 LT 103.15
343+45.26 LT 119.47

TEE FITTING - 8 X 8 X 6 INCH (SUNSET)
SR-37 (1800 NORTH)
343+39.73 LT 95.31

22.5 DEG FITTING - 8 INCH (SUNSET)
SR-37 (1800 NORTH)
343+39.64 LT 108.05
336+78.14 RT 70.75 (VERTICAL FITTING)
336+78.15 RT 75.00 (VERTICAL FITTING)

CONNECT SERVICE TO EXISTING WATER METER (SUNSET) REQ'D
SR-37 (1800 NORTH)
338+14.46 LT 81.77
338+83.83 LT 84.82
339+50.45 LT 88.28
340+02.81 LT 85.61
340+73.61 LT 89.45
341+27.76 LT 93.01
341+92.80 LT 89.89

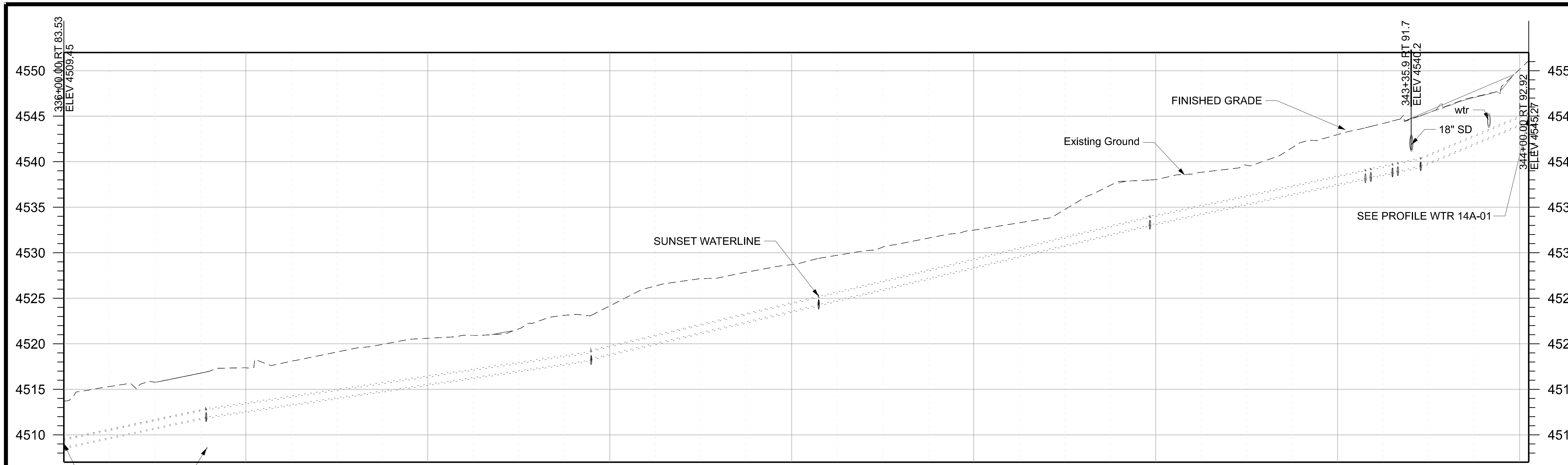
WATER METER BOX AND SETTER - 3/4 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
340+32.84 LT 86.01

FIRE HYDRANT ASSEMBLY, SHORT (SUNSET) REQ'D
SR-37 (1800 NORTH)
343+66.55 LT 96.11

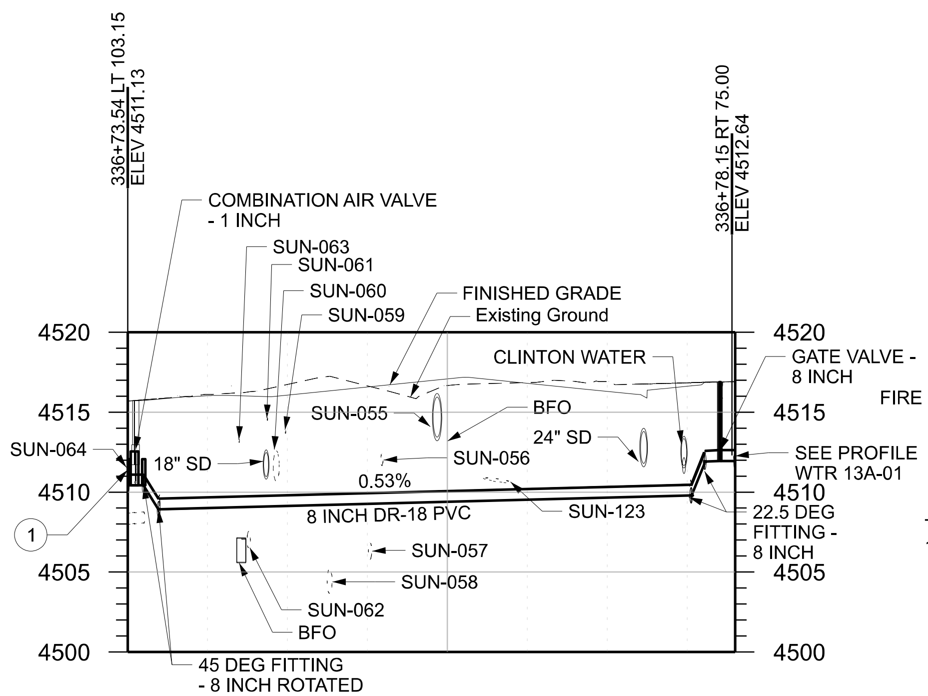
FIRE HYDRANT ASSEMBLY, LONG (ACROSS 1800 NORTH) (SUNSET) REQ'D
SR-37 (1800 NORTH)
340+15.63 LT 85.11

PROJECT	I-15; 1800 NORTH INTERCHANGE	UTAH DEPARTMENT OF TRANSPORTATION JUB ENGINEERS, INC.	REVISIONS
PROJECT NUMBER	S-I15-8(157)336 PIN 15682	APPROVED	DRAWN BY JMM
	UTILITY - WTR	PROFESSIONAL ENGINEER 7/3/2024 DATE	QC CHECKED BY CAS
SHEET NO. UT-A-13			NO. DATE APPROVED BY REMARKS

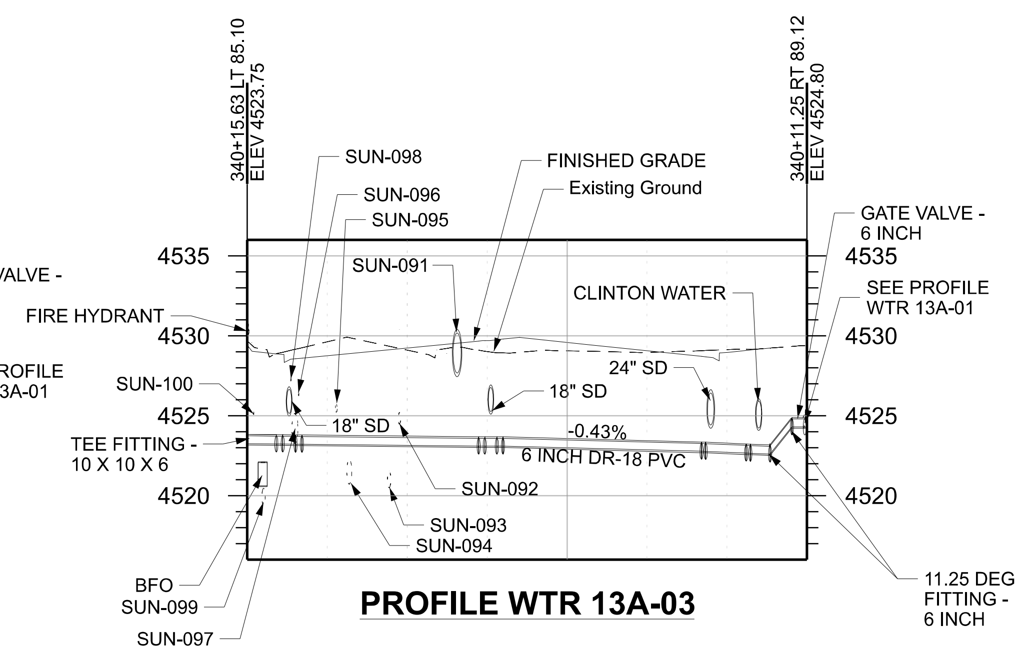
EXHIBIT B



PROFILE WTR 13A-01



PROFILE WTR 13A-02



PROFILE WTR 13A-03

Conflict ID Number	Owner	Utility	Size	Final Disposition
SUN-055	LDS Church	irr	27 inch	No Vertical Conflict
SUN-056	Sunset City	wtr	8 inch	Remove Existing Utility
SUN-057	Clinton City	wtr	12 inch	No Vertical Conflict
SUN-058	NDSD	swr	18 inch	No Vertical Conflict
SUN-059	CenturyLink	bfo	2 inch	No Vertical Conflict
SUN-060	Clinton City	wtr	20 inch	Remove Existing Utility
SUN-061	CenturyLink	btel	2 inch	No Vertical Conflict
SUN-062	NDSD	swr	12 inch	Remove Existing Utility
SUN-063	Dominion Energy	gas	2 inch	No Vertical Conflict
SUN-064	Sunset City	wtr	8 inch	Connect to Existing Utility
SUN-091	LDS Church	irr	27 inch	No Vertical Conflict
SUN-092	Sunset City	wtr	8 inch	Remove Existing Utility
SUN-093	Clinton City	wtr	12 inch	No Vertical Conflict
SUN-094	NDSD	swr	18 inch	No Vertical Conflict
SUN-095	Sunset City	wtr	6 inch	Remove Existing Utility
SUN-096	CenturyLink	bfo	2 inch	No Vertical Conflict
SUN-097	Clinton City	wtr	20 inch	Remove Existing Utility
SUN-098	CenturyLink	btel	2 inch	No Vertical Conflict
SUN-099	NDSD	swr	12 inch	No Vertical Conflict
SUN-100	Dominion Energy	gas	2 inch	Remove Existing Utility
SUN-123	Dominion Energy	gas		Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.

NOTES:

1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATIONS ARE TO TOP OUTSIDE OF PIPE.

SUNSET CULINARY WATER

NO.	DATE	APPROVED BY	REMARKS

REVISIONS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY: JMM

QC CHECKED BY: CAS

APPROVED

PROFESSIONAL ENGINEER

DATE: 7/3/2024

PROJECT: I-15; 1800 NORTH INTERCHANGE

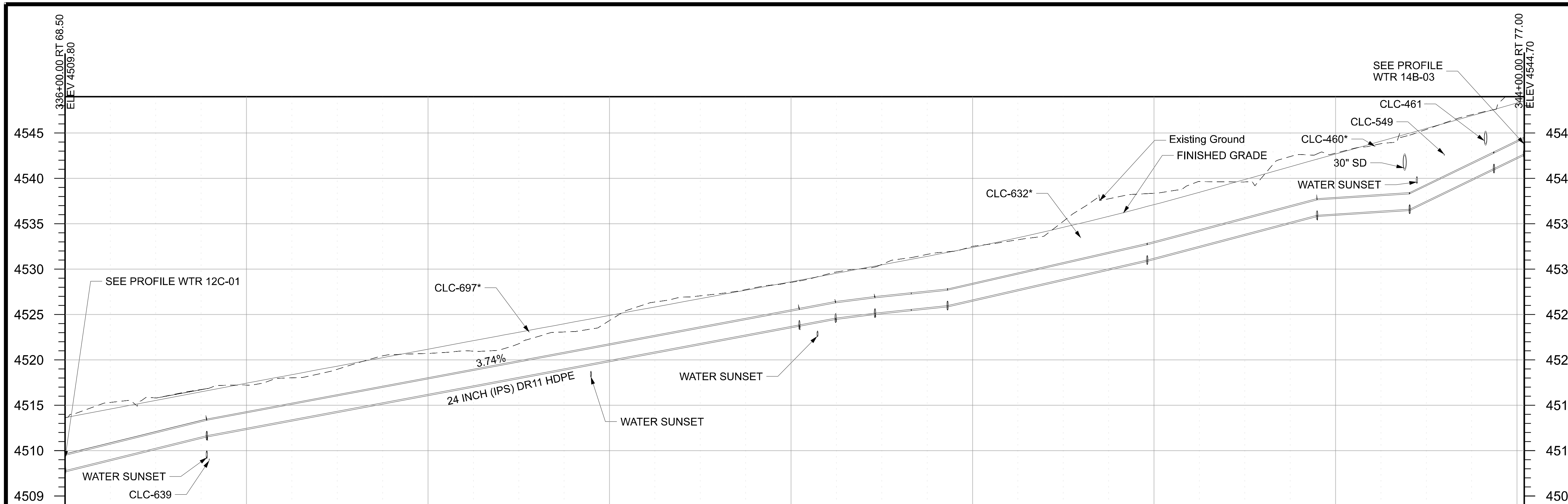
PROJECT NUMBER: S-I15-8(157)336

PIN: 15682

WTR PROFILE

SHEET NO. UT-A-13A

EXHIBIT B

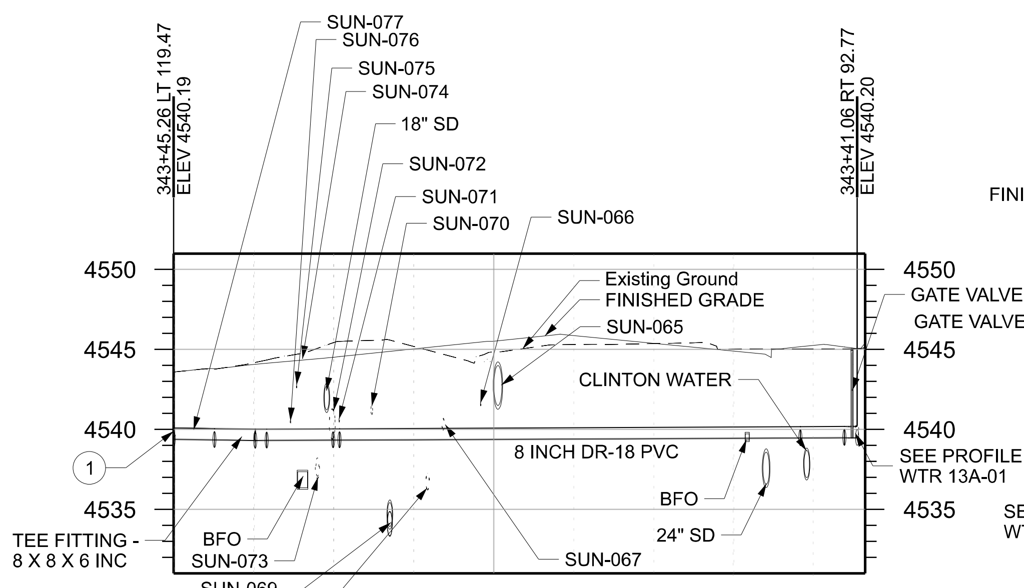


Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-460*	Private	sd	10 inch	Remove Existing Utility
CLC-461	DWCCC	irr	15 inch	Protect in Place Existing Utility
CLC-549	Dominion Energy	gas		Remove Existing Utility
CLC-632*	Sunset City	wtr		Remove Existing Utility
CLC-639	Dominion Energy	gas		Remove Existing Utility
CLC-697*	Sunset City	wtr	8 inch	Remove Existing Utility

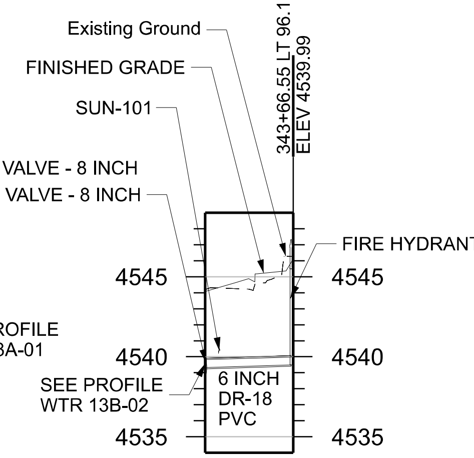
*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.

PROFILE WTR 13B-01

CLINTON CULINARY WATER



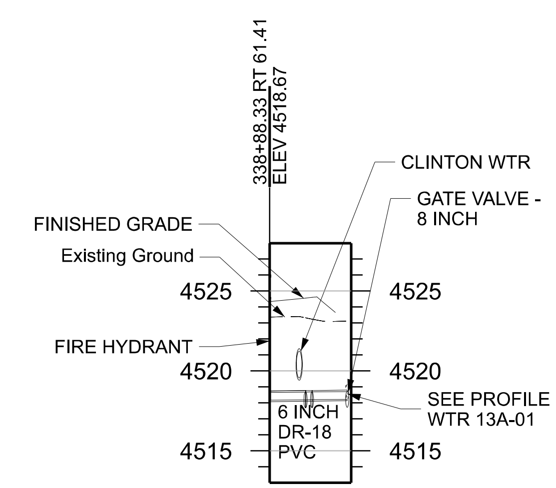
PROFILE WTR 13B-02



PROFILE WTR 13B-03

Conflict ID Number	Owner	Utility	Size	Final Disposition
SUN-065	LDS Church	irr	27 inch	No Vertical Conflict
SUN-066	CenturyLink	btel	2 inch	No Vertical Conflict
SUN-067	Sunset City	wtr	8 inch	Remove Existing Utility
SUN-068	Clinton City	wtr	12 inch	No Vertical Conflict
SUN-069	NDSD	swr	18 inch	No Vertical Conflict
SUN-070	Sunset City	wtr	6 inch	No Vertical Conflict
SUN-071	CenturyLink	btel	2 inch	No Vertical Conflict
SUN-072	Clinton City	wtr	20 inch	Remove Existing Utility
SUN-073	NDSD	swr	12 inch	Remove Existing Utility
SUN-074*	Sunset City	sd	12 inch	Remove Existing Utility
SUN-075	CenturyLink	btel	2 inch	No Vertical Conflict
SUN-076	Dominion Energy	gas	2 inch	Abandon Existing Utility
SUN-077	Sunset City	wtr	8 inch	Connect to Existing Utility
SUN-101	Sunset City	wtr	8 inch	Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.



PROFILE WTR 13B-04

NOTES:

1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATIONS ARE TO TOP OUTSIDE OF PIPE.

SUNSET CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY: JMM
QC CHECKED BY: CAS
DATE: 7/3/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN: 15682
PROJECT NUMBER: S-I15-8(157)336
WTR PROFILE

SHEET NO. UT-A-13B

EXHIBIT B

NOTES:

1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.
6. INSTALL 2 INCH CONDUIT IN BOTTOM OF TRENCH WITH WATER PIPE.
7. THE 10 X 8 INCH REDUCER SHALL BE AN ECCENTRIC 10 X 8 INCH REDUCER, ROTATED SO THE TOP OF THE 10 INCH AND 8 INCH PIPES MATCH ELEVATIONS.
8. THE METERING STATION (WBWCD) ITEM ON SHEET UT-A-18 INCLUDES EVERYTHING FROM AND INCLUDING THE UPSTREAM 14" x 14" x 8" TEE TO AND INCLUDING THE DOWNSTREAM 12" x 8" REDUCER (CLINTON SIDE) AND THE 10" VALVE (SUNSET SIDE).
9. MECHANICALLY RESTRAIN ALL JOINTS AND FITTINGS ON THE 10" SUNSET LINE FROM STATION 346+50 TO AND INCLUDING THE TEE AT 347+06.03.
10. COMBINATION AIR VALVE VENT.
11. THE DRAIN ASSEMBLY (WBWCD) ITEM INCLUDES EVERYTHING FROM AND INCLUDING THE 14" x 14" x 6" TEE TO AND INCLUDING THE PIPE THAT DISCHARGES INTO THE STORM DRAIN INLET BOX ON MAIN STREET. SEE SHEET UTDT-14M.

CONNECT SERVICE TO EXISTING WATER METER (SUNSET) REQ'D
SR-37 (1800 NORTH)
344+73.40 LT 93.72

RECONSTRUCT VALVE BOX (SUNSET) REQ'D
SR-37 (1800 NORTH)
347+12.50 LT 93.67
347+12.76 LT 72.02
347+12.84 LT 21.62

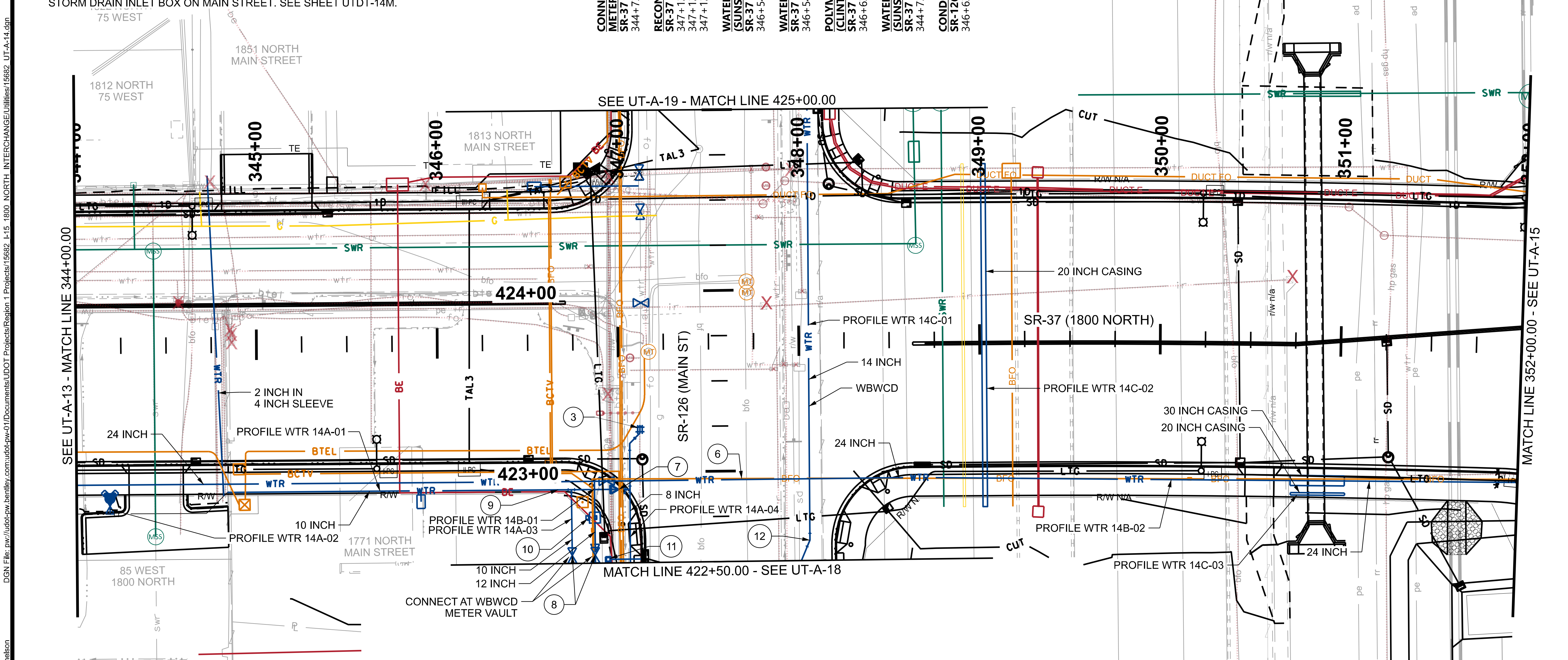
WATER METER BOX AND SETTER - 3/4 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
346+54.34 LT 86.50

WATER SERVICE - 3/4 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
346+54.28 LT 86.28 TO 347+12.02 LT 86.28

POLYMER CONCRETE JUNCTION BOX, TYPE I (CLINTON) REQ'D
SR-37 (1800 NORTH)
346+63.18 LT 89.07

WATER SERVICE - 2 INCH, IN 4 INCH SLEEVE (SUNSET) REQ'D
SR-37 (1800 NORTH)
344+73.40 LT 93.72 TO 344+81.34 RT 83.50

CONDUIT - 2 INCH (CLINTON) REQ'D
SR-126 (MAIN ST)
346+63.18 LT 89.07 TO 346+63.21 RT 72.50



CULINARY PIPE AND FITTINGS - 10 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
344+83.35 RT 81.50 TO 346+75.58 RT 81.50
346+73.62 RT 81.50 TO 346+73.80 RT 117.86
346+75.58 RT 81.50 TO 346+97.11 RT 81.50

REDUCER FITTING - 10 X 8 INCH (SUNSET)
SR-37 (1800 NORTH)
346+97.11 RT 81.50

TEE FITTING - 10 X 10 X 10 INCH (SUNSET)
SR-37 (1800 NORTH)
346+73.62 RT 81.50

CULINARY PIPE AND FITTINGS - 12 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
346+86.41 RT 76.93 TO 346+86.57 RT 113.19

11.25 DEG FITTING - 12 INCH (CLINTON)
SR-37 (1800 NORTH)
346+86.42 RT 79.13
346+86.47 RT 90.03

REDUCER FITTING - 12 X 8 INCH (CLINTON)
SR-37 (1800 NORTH)
346+86.57 RT 113.19

CULINARY PIPE AND FITTINGS - 14 INCH (WBWCD) REQ'D
SR-126 (MAIN ST)
422+61.23 RT 48.85 TO MATCH LINE RT 49.92
MATCH LINE RT 45.09 TO 422+61.23 RT 48.86

22.5 DEG FITTING - 14 INCH (WBWCD)
SR-126 (MAIN ST)
422+61.23 RT 48.86

CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
346+86.57 RT 113.19 TO 346+86.58 RT 115.19

CULINARY PIPE AND FITTINGS - 8 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
346+97.11 RT 81.50 TO 347+06.03 RT 81.50
347+05.99 RT 122.10 TO 347+06.03 RT 81.50
347+06.03 RT 81.50 TO 347+06.06 RT 56.08
347+06.06 RT 56.08 TO 347+11.77 RT 50.45
347+11.77 RT 50.45 TO 347+11.77 RT 48.45

45 DEG FITTING - 8 INCH (SUNSET)
SR-37 (1800 NORTH)
347+06.06 RT 56.08
347+11.77 RT 50.45

PIPE COUPLING - 8 INCH (SUNSET)
SR-37 (1800 NORTH)
347+11.77 RT 48.45

TEE FITTING - 8 X 8 X 8 INCH (SUNSET)
SR-37 (1800 NORTH)
347+06.03 RT 81.50

30 INCH STEEL CASING AND CULINARY PIPE - 24 INCH, DR 11 HDPE PRESSURE (D&W CANAL CROSSING, OPEN TRENCH) (CLINTON) REQ'D
SR-37 (1800 NORTH)
350+72.98 RT 77.46 TO 351+03.30 RT 77.17

GATE VALVE - 20 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
346+93.14 RT 76.90

GATE VALVE - 8 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
346+99.11 RT 81.50

WATER METER BOX AND SETTER - 3/4 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
345+90.44 RT 87.49

WATER SERVICE - 3/4 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
345+90.37 RT 81.50 TO 345+90.44 RT 87.49

20 INCH STEEL CASING (MIDA) REQ'D
SR-37 (1800 NORTH)
349+02.48 RT 92.50 TO 349+02.49 LT 97.21
350+73.19 RT 84.73 TO 351+03.55 RT 84.48

COMBINATION AIR VALVE ASSEMBLY - 2 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
346+86.49 RT 97.01

POLYMER CONCRETE JUNCTION BOX, TYPE I (CLINTON) REQ'D
SR-37 (1800 NORTH)
346+63.71 RT 72.50
346+85.20 RT 104.00
350+16.82 RT 77.16

CONDUIT - 2 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
346+63.21 RT 72.50 TO 346+63.20 LT 90.07
346+63.21 RT 72.50 TO 346+84.34 RT 127.79
346+85.05 RT 75.60 TO MATCH LINE RT 73.72
346+85.32 RT 125.20 TO 346+85.05 RT 75.60
346+85.43 RT 80.71 TO 346+63.21 RT 72.50
346+85.64 RT 127.77 TO 346+85.43 RT 80.71

FIRE HYDRANT ASSEMBLY, SHORT (SUNSET) REQ'D
SR-37 (1800 NORTH)
344+18.39 RT 84.50

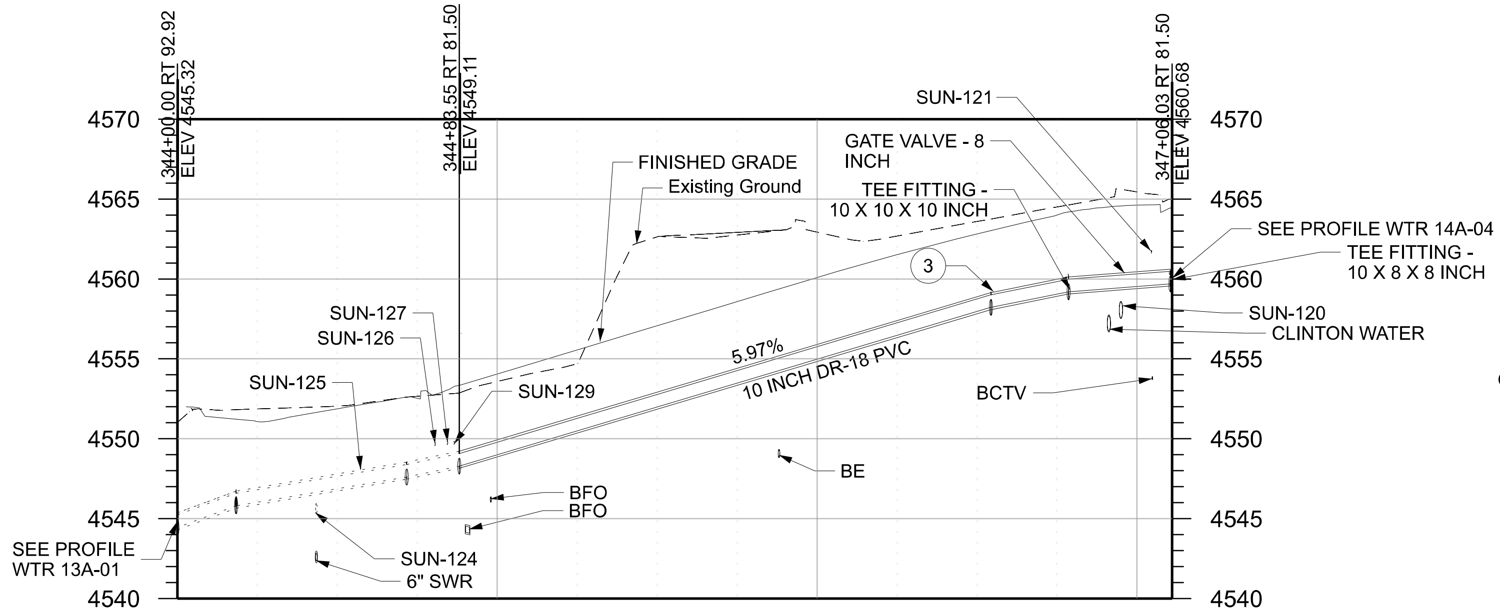
CULINARY PIPE - 24 INCH, (IPS) DR11 HDPE, PRESSURIZED (CLINTON) REQ'D
SR-37 (1800 NORTH)
351+03.30 RT 77.17 TO MATCH LINE RT 75.42
MATCH LINE RT 77.00 TO 350+72.98 RT 77.46

DRAIN ASSEMBLY (WBWCD) REQ'D
SR-37 (1800 NORTH)
422+52.00 LT 62.79

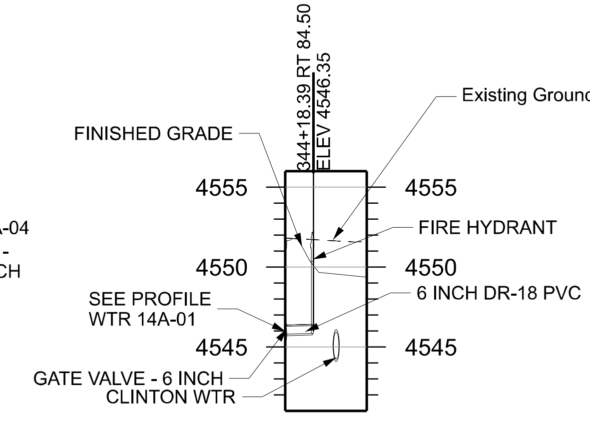
REVISIONS	NO. / DATE / APPROVED BY / REMARKS
UTAH DEPARTMENT OF TRANSPORTATION	JUB ENGINEERS, INC.
DRAWN BY	JMM
QC CHECKED BY	CAS
DATE	7/3/2024
APPROVED	PROFESSIONAL ENGINEER
PROJECT	I-15; 1800 NORTH INTERCHANGE
PIN	15682
PROJECT NUMBER	S-I15-8(157)336
	UTILITY - WTR
SHEET NO.	UT-A-14

REGION 1 3-JUL-2024 09:59 mnelson DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682_UT-A-14.dgn

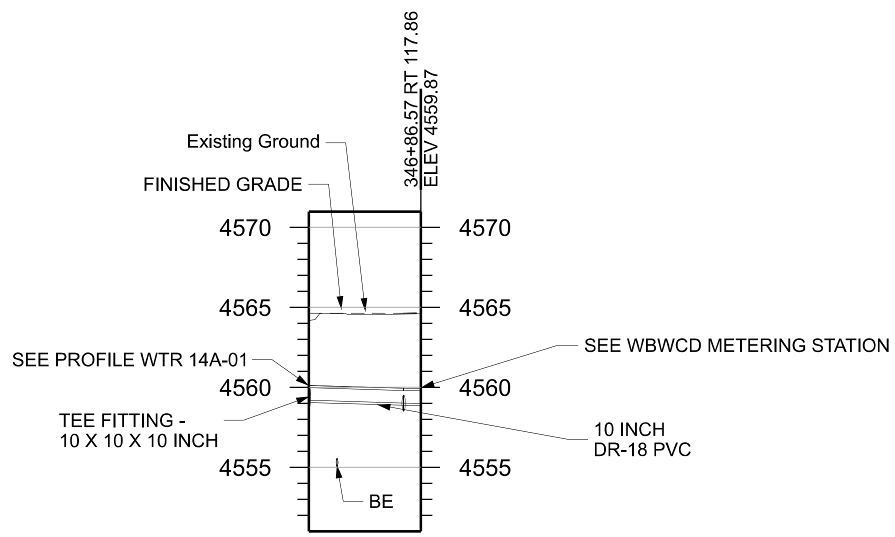
EXHIBIT B



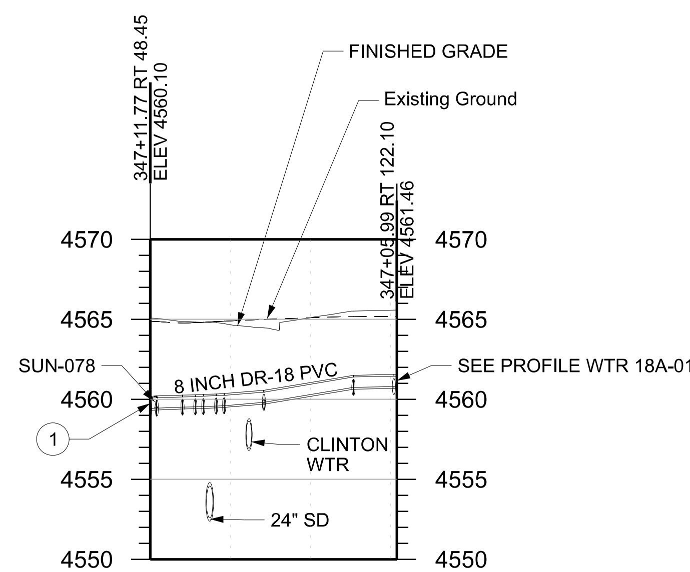
PROFILE WTR 14A-01



PROFILE WTR 14A-02



PROFILE WTR 14A-03



PROFILE WTR 14A-04

Conflict ID Number	Owner	Utility	Size	Final Disposition
SUN-078	Sunset City	wtr	8 inch	Connect to Existing Utility
SUN-120	DWCCC	irr	12 inch	Remove Existing Utility
SUN-121	CenturyLink	btel	2 inch	No Vertical Conflict
SUN-124	NDSD	swr		Remove Existing Utility
SUN-125		bfo		Remove Existing Utility
SUN-126		bfo		Remove Existing Utility
SUN-127		bfo		Remove Existing Utility
SUN-129		bfo		Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.

NOTES:

1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATIONS ARE TO TOP OUTSIDE OF PIPE.

SUNSET CULINARY WATER

REVISIONS

NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY JMM

QC CHECKED BY CAS

7/3/2024
DATE

PROFESSIONAL ENGINEER

APPROVED

PROJECT: I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER: S-I15-8(157)336

PIN 15682

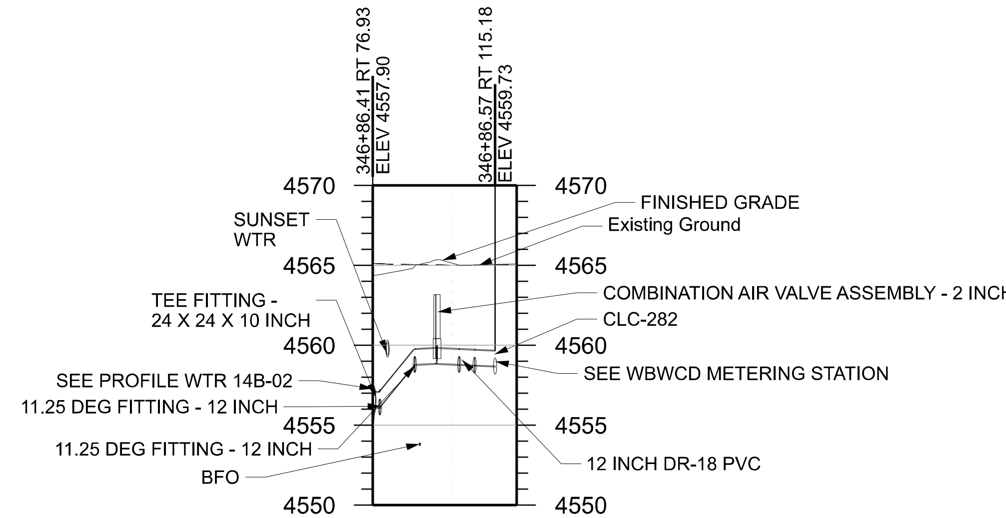
WTR PROFILE

SHEET NO. UT-A-14A

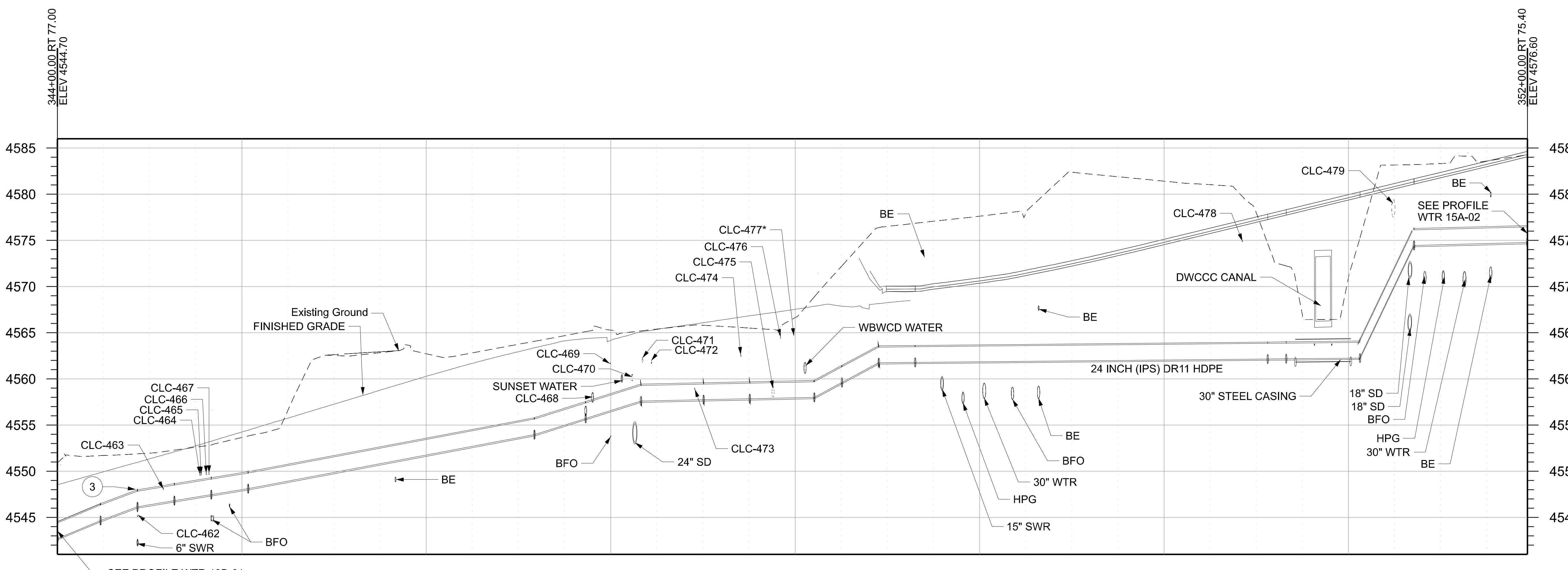
EXHIBIT B

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-282	DWCCC	irr	12 inch	Remove Existing Utility
CLC-462	NDSD	swr	6 inch	Relocate Existing Utility
CLC-463	ATT	bfo	2 inch	Loop Existing Utility - Vertica
CLC-464	CenturyLink	bfo	2 inch	Loop Existing Utility - Vertica
CLC-465	Syringa	bfo	2 inch	Loop Existing Utility - Vertica
CLC-466	CenturyLink	bfo	2 inch	Loop Existing Utility - Vertica
CLC-467	Comcast	bfo	2 inch	Loop Existing Utility - Vertica
CLC-468	DWCCC	irr	12 inch	Remove Existing Utility
CLC-469	CenturyLink	btel	2 inch	No Vertical Conflict
CLC-470	Sunset City	wtr	8 inch	Remove Existing Utility
CLC-471	CenturyLink	bfo	6 inch	No Vertical Conflict
CLC-472	Dominion Energy	gas	4 inch	No Vertical Conflict
CLC-473	UDOT	bfo	2 inch	Loop Existing Utility - Vertica
CLC-474	CenturyLink	btel	2 inch	No Vertical Conflict
CLC-475	WBWCD	wtr	14 inch	Remove Existing Utility
CLC-476	UDOT	be		Remove Existing Utility
CLC-477*	UDOT	sd	18 inch	Remove Existing Utility
CLC-478	UDOT	bfo	2 inch	No Vertical Conflict
CLC-479	Dominion Energy	gas	20 inch	Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.



PROFILE WTR 14B-01



PROFILE WTR 14B-02

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATIONS ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

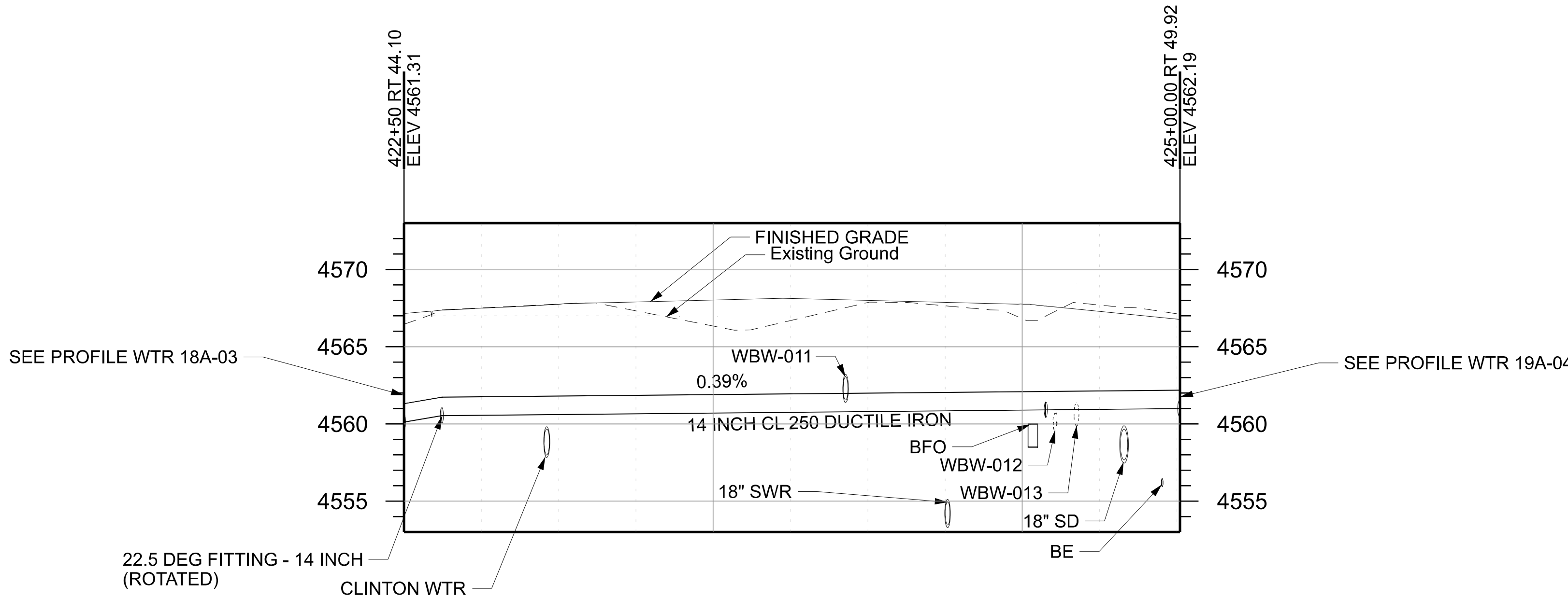
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY: JMM
QC CHECKED BY: CAS
DATE: 7/3/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
WTR PROFILE

SHEET NO. UT-A-14B

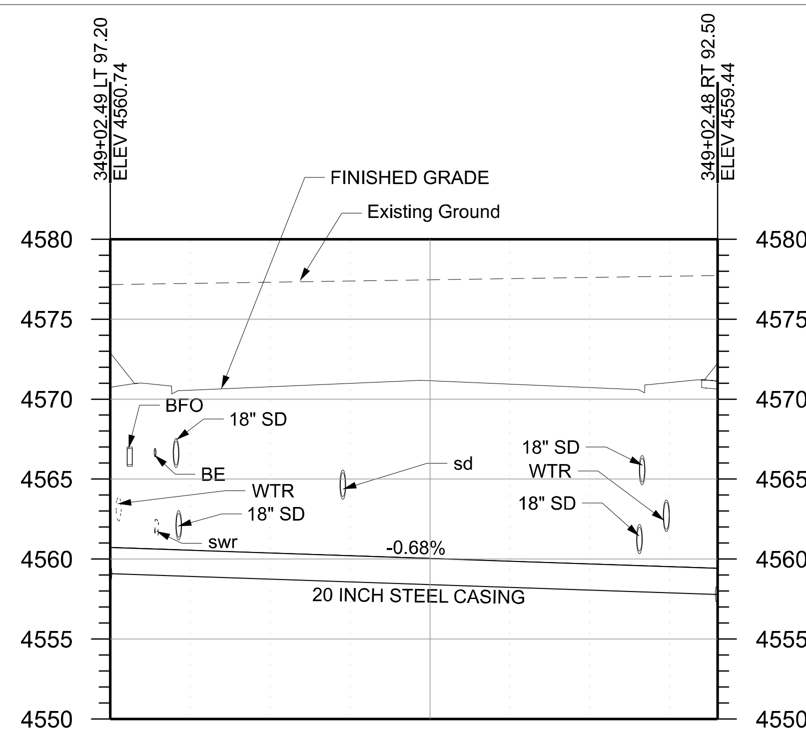
EXHIBIT B



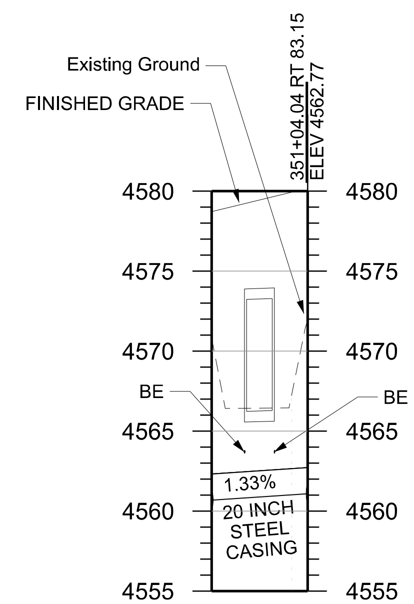
PROFILE WTR 14C-01

Conflict ID Number	Owner	Utility	Size	Final Disposition
WBW-011	LDS Church	irr	18 inch	Remove Existing Utility
WBW-012	NDSD	swr	12 inch	Remove Existing Utility
WBW-013	Clinton City	wtr	18 inch	Remove Existing Utility
*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.				

WBWCD CULINARY WATER



PROFILE WTR 14C-02



PROFILE WTR 14C-03

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATIONS ARE TO TOP OUTSIDE OF PIPE.

MIDA CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

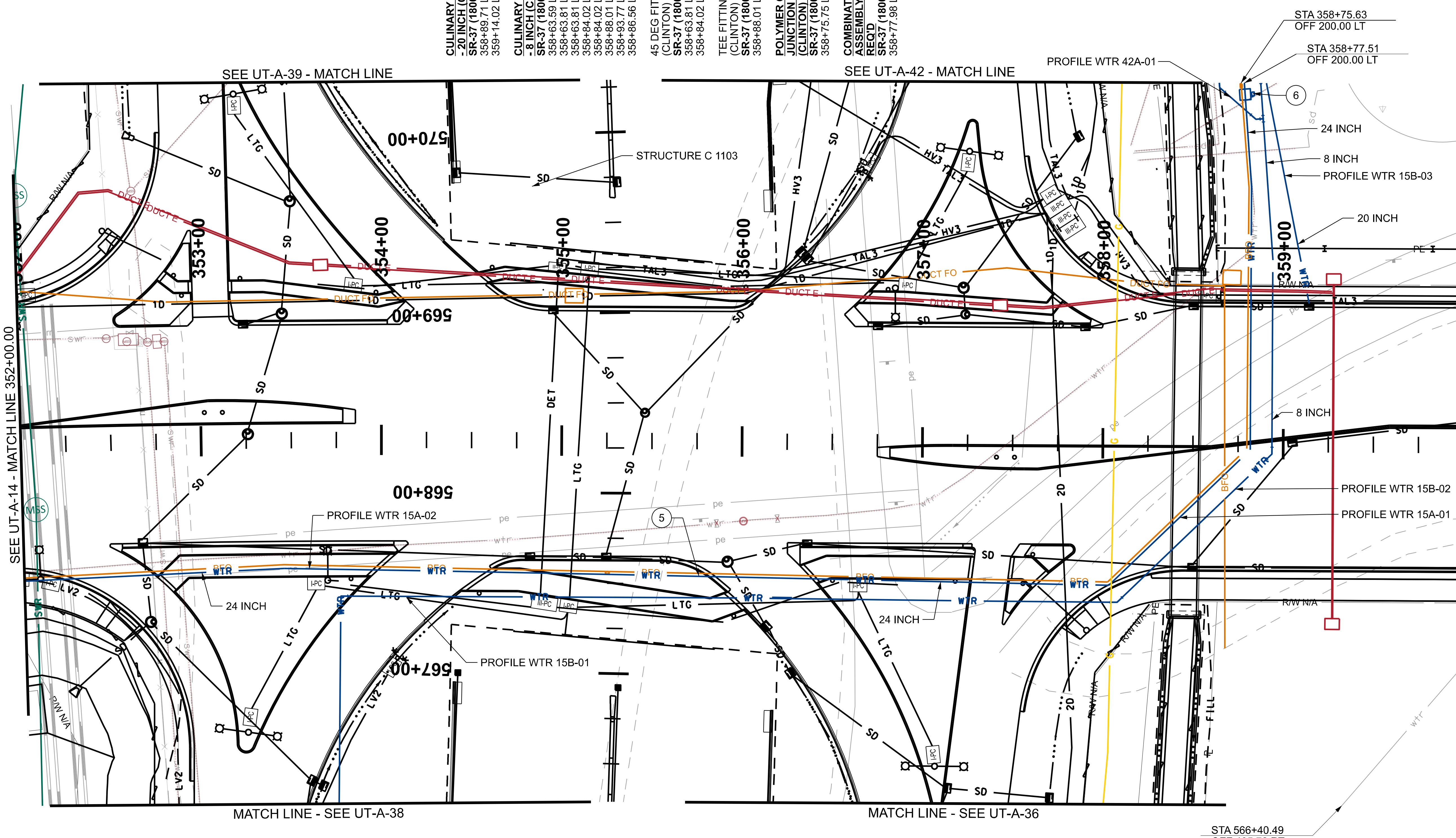
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY JMM
QC CHECKED BY CAS
APPROVED 7/3/2024 DATE
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN 15682
WTR PROFILE

SHEET NO. UT-A-14C

EXHIBIT B



CULINARY PIPE AND FITTINGS - 20 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
358+89.71 LT 200.00 TO
359+14.02 LT 78.00

CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
358+63.59 LT 200.00 TO
358+63.81 LT 197.40
358+63.81 LT 197.40 TO
358+84.02 LT 179.97
358+84.02 LT 179.97 TO
358+88.01 LT 180.27
358+93.77 LT 101.98 TO
358+86.56 LT 200.00

45 DEG FITTING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
358+63.81 LT 197.40
358+84.02 LT 179.97

TEE FITTING - 8 X 8 X 8 INCH (CLINTON)
SR-37 (1800 NORTH)
358+88.01 LT 180.27

POLYMER CONCRETE JUNCTION BOX, TYPE I (CLINTON) REQ'D
SR-37 (1800 NORTH)
358+75.75 LT 198.52

COMBINATION AIR VALVE ASSEMBLY - 3 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
358+77.98 LT 193.63

NOTES:
1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3. SEE DR SERIES FOR STORM DRAIN INFORMATION.
4. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.
5. INSTALL 2 INCH CONDUIT IN BOTTOM OF TRENCH WITH WATER PIPE.
6. COMBINATION AIR VALVE VENT.

CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
353+75.78 RT 201.54 TO
353+77.22 RT 86.52
353+77.22 RT 86.52 TO
358+08.37 RT 88.07
358+08.37 RT 88.07 TO
358+93.77 RT 5.48
358+93.77 RT 5.48 TO
358+93.77 LT 101.98

45 DEG FITTING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
358+08.37 RT 88.07
358+93.77 RT 5.48

90 DEG FITTING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
353+77.22 RT 86.52

POLYMER CONCRETE JUNCTION BOX, TYPE I (CLINTON) REQ'D
SR-37 (1800 NORTH)
355+25.60 RT 73.13

CONDUIT - 2 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
358+03.01 RT 76.79 TO
358+79.87 RT 2.52
358+79.87 RT 2.52 TO 358+75.63 LT 200.00
MATCH LINE RT 73.72 TO
358+03.01 RT 76.79

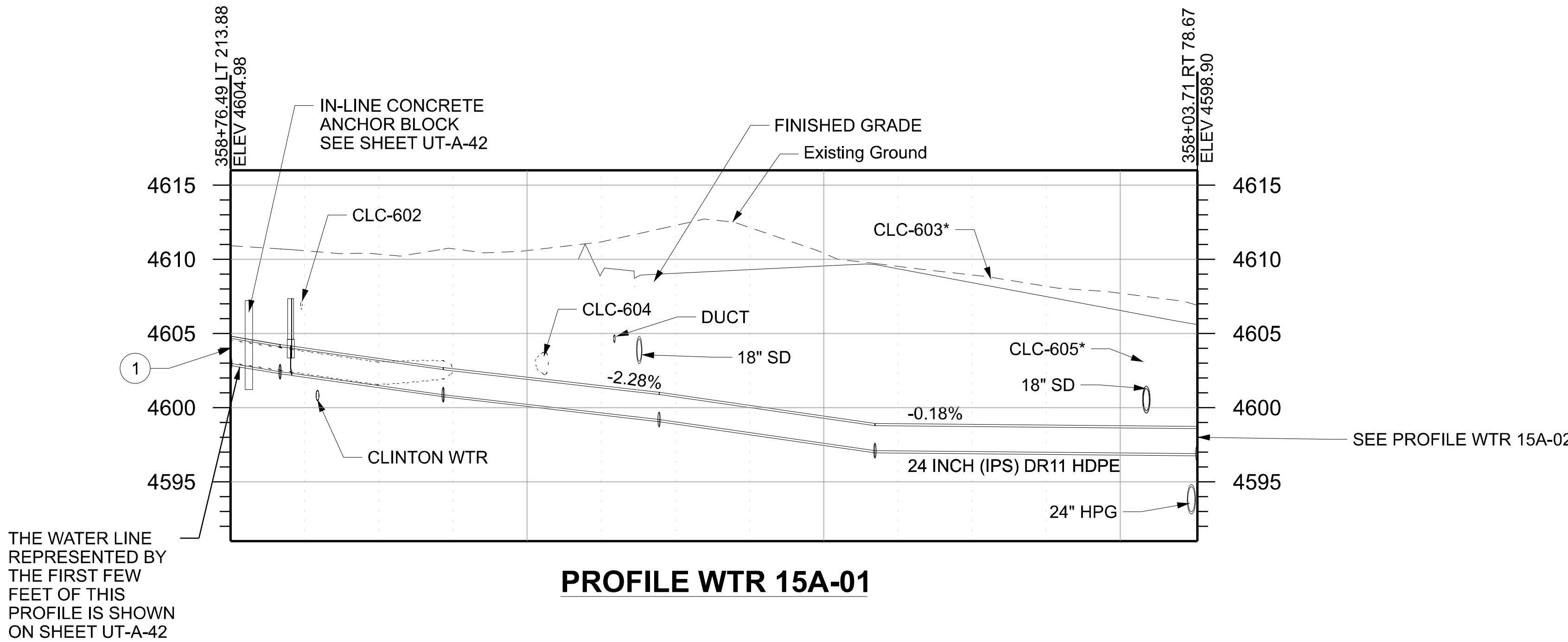
CULINARY PIPE - 24 INCH, (IPS) DR11 HDPE, PRESSURIZED (CLINTON) REQ'D
SR-37 (1800 NORTH)
352+00.01 RT 75.42 TO
358+03.71 RT 78.67
358+03.71 RT 78.67 TO
358+81.76 RT 3.19
358+81.76 RT 3.19 TO 358+77.51 LT 200.00

DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682_UT-A-15.dgn
mnelson 10:00 3-JUL-2024 REGION 1

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
DRAWN BY JMM
QC CHECKED BY CAS
7/3/2024 DATE
APPROVED
PROFESSIONAL ENGINEER
REVISIONS: NO. DATE APPROVED BY REMARKS

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
UTILITY - WTR
SHEET NO. UT-A-15

EXHIBIT B



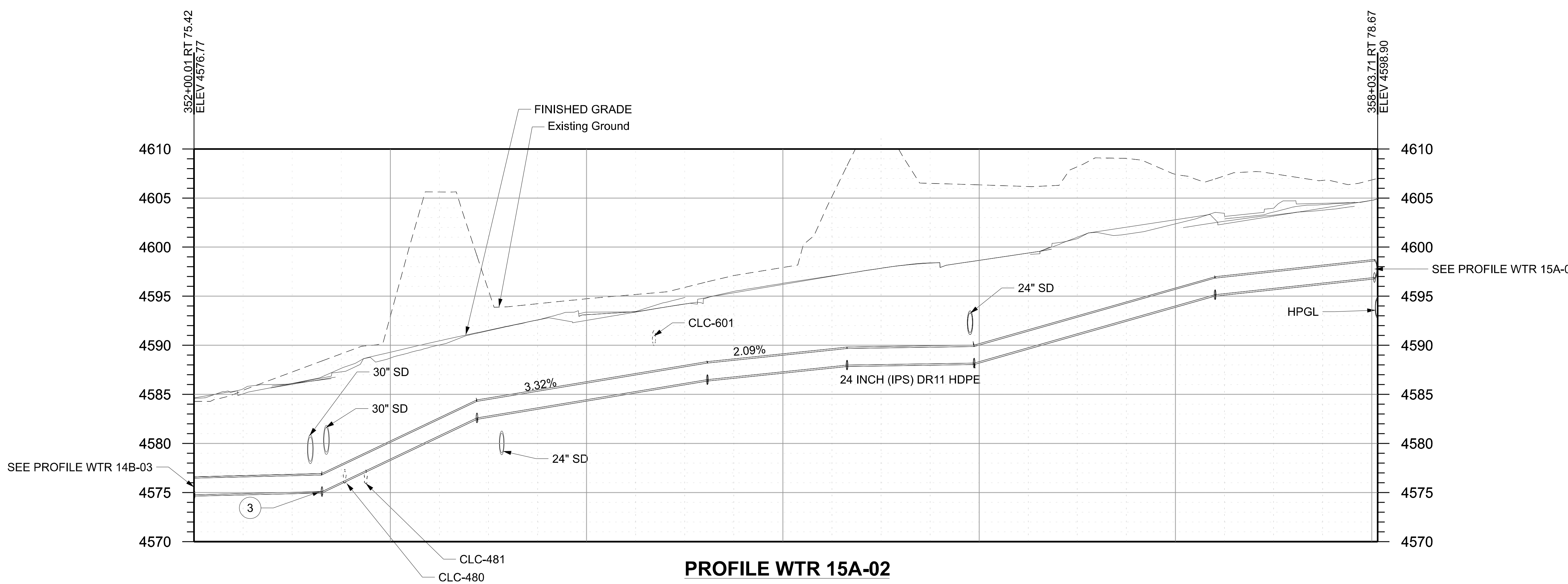
PROFILE WTR 15A-01

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-480	American Water	swr	15 inch	Remove Existing Utility
CLC-481	American Water	swr	15 inch	Remove Existing Utility
CLC-601		wtr		Remove Existing Utility
CLC-602	Clinton City	wtr		Remove Existing Utility
CLC-603*	Clinton City	sd		Remove Existing Utility
CLC-604	Clinton City	wtr		Remove Existing Utility
CLC-605*	Clinton City	wtr		Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.

NOTES:

1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATIONS ARE TO TOP OUTSIDE OF PIPE.



PROFILE WTR 15A-02

CLINTON CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY JMM

QC CHECKED BY CAS

APPROVED

PROFESSIONAL ENGINEER

DATE 7/3/2024

PROJECT I-15; 1800 NORTH INTERCHANGE

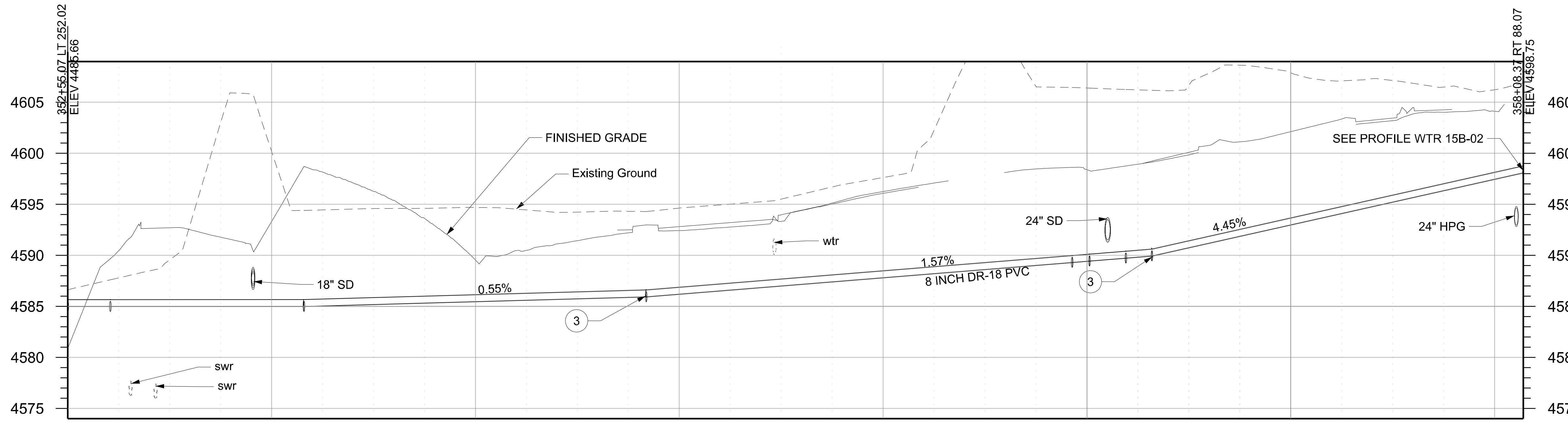
PROJECT NUMBER S-I15-8(157)336

PIN 15682

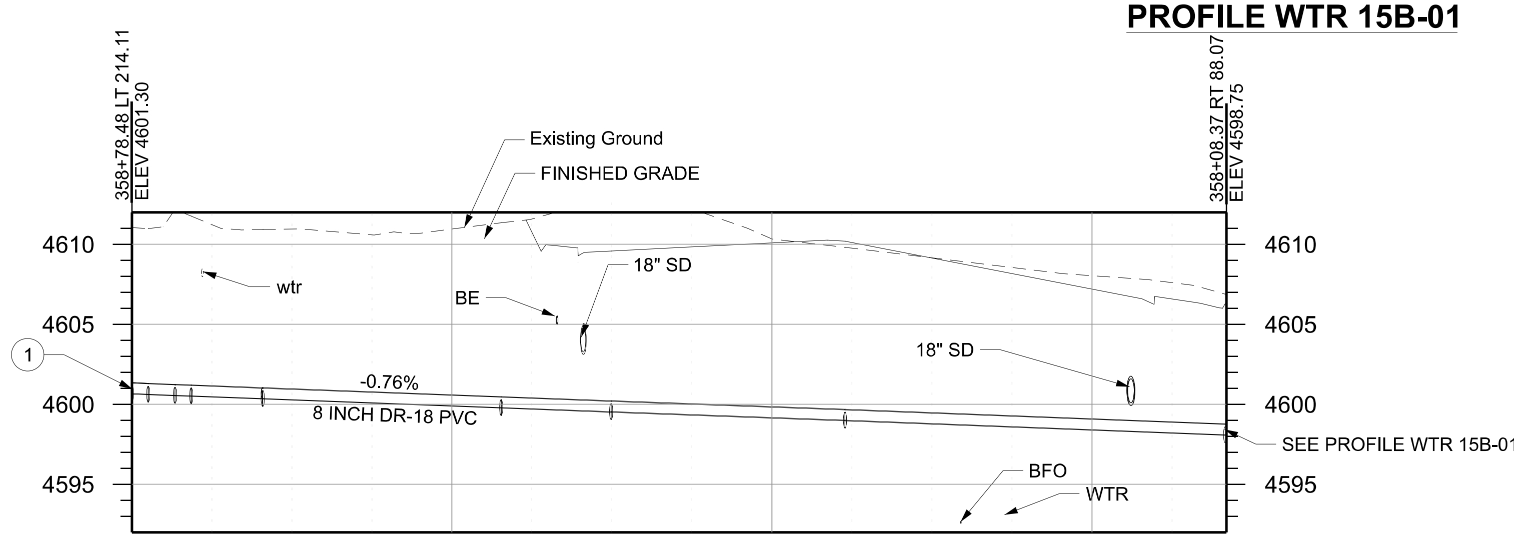
WTR PROFILE

SHEET NO. UT-A-15A

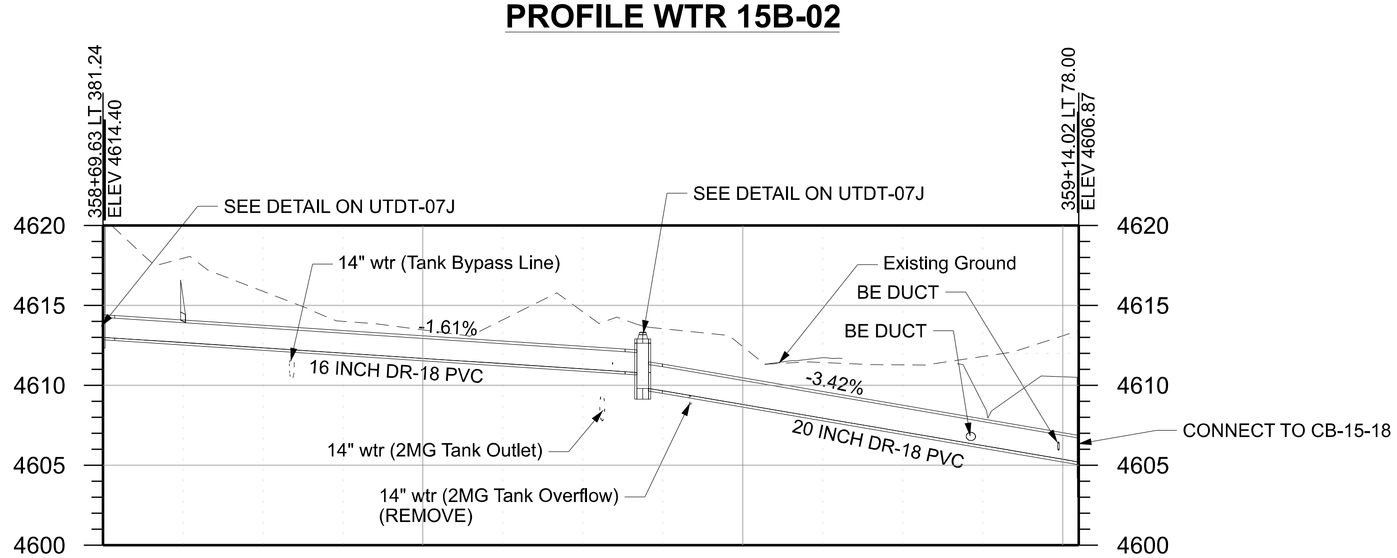
EXHIBIT B



PROFILE WTR 15B-01



PROFILE WTR 15B-02



PROFILE WTR 15B-03

NOTES:

1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATIONS ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

APPROVED

PROFESSIONAL ENGINEER

DATE 7/3/2024

DRAWN BY JMM

QC CHECKED BY CAS

PROJECT: I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER: S-I15-8(157)336

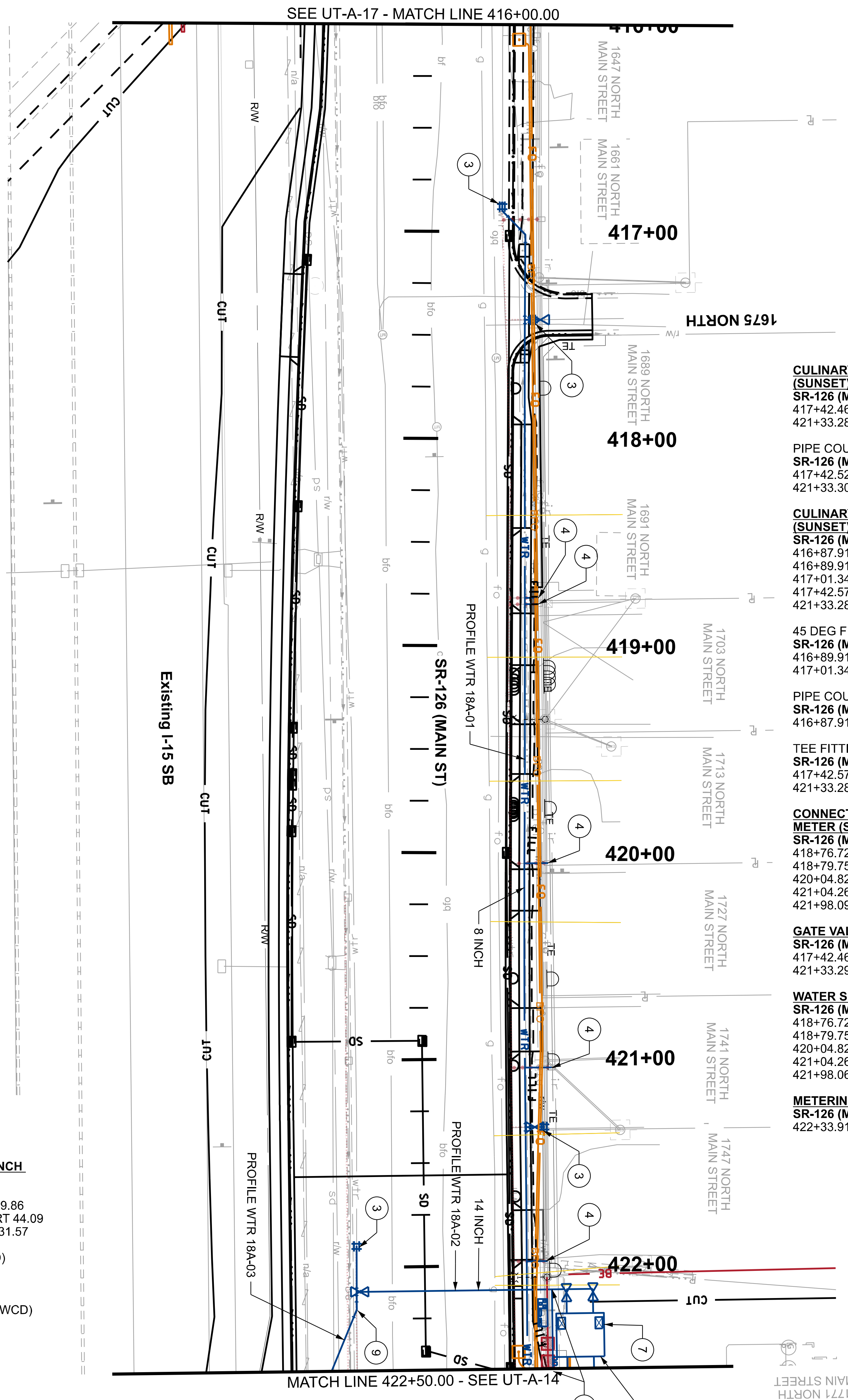
PIN 15682

WTR PROFILE

SHEET NO. UT-A-15B

EXHIBIT B

SEE UT-A-17 - MATCH LINE 416+00.00



MATCH LINE 422+50.00 - SEE UT-A-14

CULINARY PIPE AND FITTINGS - 6 INCH (SUNSET) REQ'D
SR-126 (MAIN ST)
417+42.46 LT 57.50 TO 417+42.57 LT 50.00
421+33.28 LT 51.08 TO 421+33.30 LT 60.11

PIPE COUPLING - 6 INCH (SUNSET)
SR-126 (MAIN ST)
417+42.52 LT 53.75
421+33.30 LT 60.11

CULINARY PIPE AND FITTINGS - 8 INCH (SUNSET) REQ'D
SR-126 (MAIN ST)
416+87.91 LT 38.78 TO 416+89.91 LT 38.77
416+89.91 LT 38.77 TO 417+01.34 LT 50.00
417+01.34 LT 50.00 TO 417+42.57 LT 50.00
417+42.57 LT 50.00 TO 421+33.28 LT 51.08
421+33.28 LT 51.08 TO MATCH LINE LT 50.52

45 DEG FITTING - 8 INCH (SUNSET)
SR-126 (MAIN ST)
416+89.91 LT 38.77
417+01.34 LT 50.00

PIPE COUPLING - 8 INCH (SUNSET)
SR-126 (MAIN ST)
416+87.91 LT 38.78

TEE FITTING - 8 X 8 X 6 INCH (SUNSET)
SR-126 (MAIN ST)
417+42.57 LT 50.00
421+33.28 LT 51.08

CONNECT SERVICE TO EXISTING WATER METER (SUNSET) REQ'D
SR-126 (MAIN ST)
418+76.72 LT 57.23
418+79.75 LT 57.17
420+04.82 LT 62.49
421+04.26 LT 64.00
421+98.09 LT 60.97

GATE VALVE - 6 INCH (SUNSET) REQ'D
SR-126 (MAIN ST)
417+42.46 LT 57.50
421+33.29 LT 55.59

WATER SERVICE - 3/4 INCH (SUNSET) REQ'D
SR-126 (MAIN ST)
418+76.72 LT 57.23 TO 418+76.82 LT 50.57
418+79.75 LT 57.17 TO 418+79.85 LT 50.59
420+04.82 LT 62.49 TO 420+04.99 LT 51.00
421+04.26 LT 64.00 TO 421+04.29 LT 51.07
421+98.06 LT 50.85 TO 421+98.09 LT 60.97

METERING STATION (WBWCD) REQ'D
SR-126 (MAIN ST)
422+33.91 LT 76.34

NOTES:
1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
4. CONNECT PROPOSED SERVICE TO EXISTING WATER METER.
5. SEE DR SERIES FOR STORM DRAIN INFORMATION.
6. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.
7. METERING STATION (WBWCD) INCLUDES EVERYTHING FROM AND INCLUDING THE UPSTREAM 14" X 14" X 8" TEE TO AND INCLUDING THE DOWNSTREAM 12" X 8" REDUCER (CLINTON SIDE) AND THE 10" VALVE (SUNSET SIDE).
8. THE DRAIN ASSEMBLY (WBWCD) ITEM ON SHEET UT-A-14 INCLUDES EVERYTHING FROM AND INCLUDING THE 14 X 14 X 6 INCH TEE TO AND INCLUDING THE PIPE THAT DISCHAGES INTO THE STORM DRAIN INLET BOX ON MAIN STREET. SEE SHEET UTDT-14M.
9. ROTATE THE BEND FITTING APPROXIMATELY 5 DEGREES TO ACCOMPLISH BOTH HORIZONTAL AND VERTICAL TRANSITION.

CULINARY PIPE AND FITTINGS - 14 INCH (WBWCD) REQ'D
SR-126 (MAIN ST)
422+11.77 RT 31.50 TO 422+11.77 LT 69.86
422+20.43 RT 31.57 TO MATCH LINE RT 44.09
421+89.77 RT 31.22 TO 422+20.43 RT 31.57

22.5 DEG FITTING - 14 INCH (WBWCD)
SR-126 (MAIN ST)
422+20.43 RT 31.57

TEE FITTING - 14 X 14 X 14 INCH (WBWCD)
SR-126 (MAIN ST)
422+11.72 RT 31.48

PIPE COUPLING - 14 INCH (WBWCD)
SR-126 (MAIN ST)
421+89.77 RT 31.22

BUTTERFLY VALVE - 14 INCH (WBWCD) REQ'D
SR-126 (MAIN ST)
422+11.77 RT 30.00

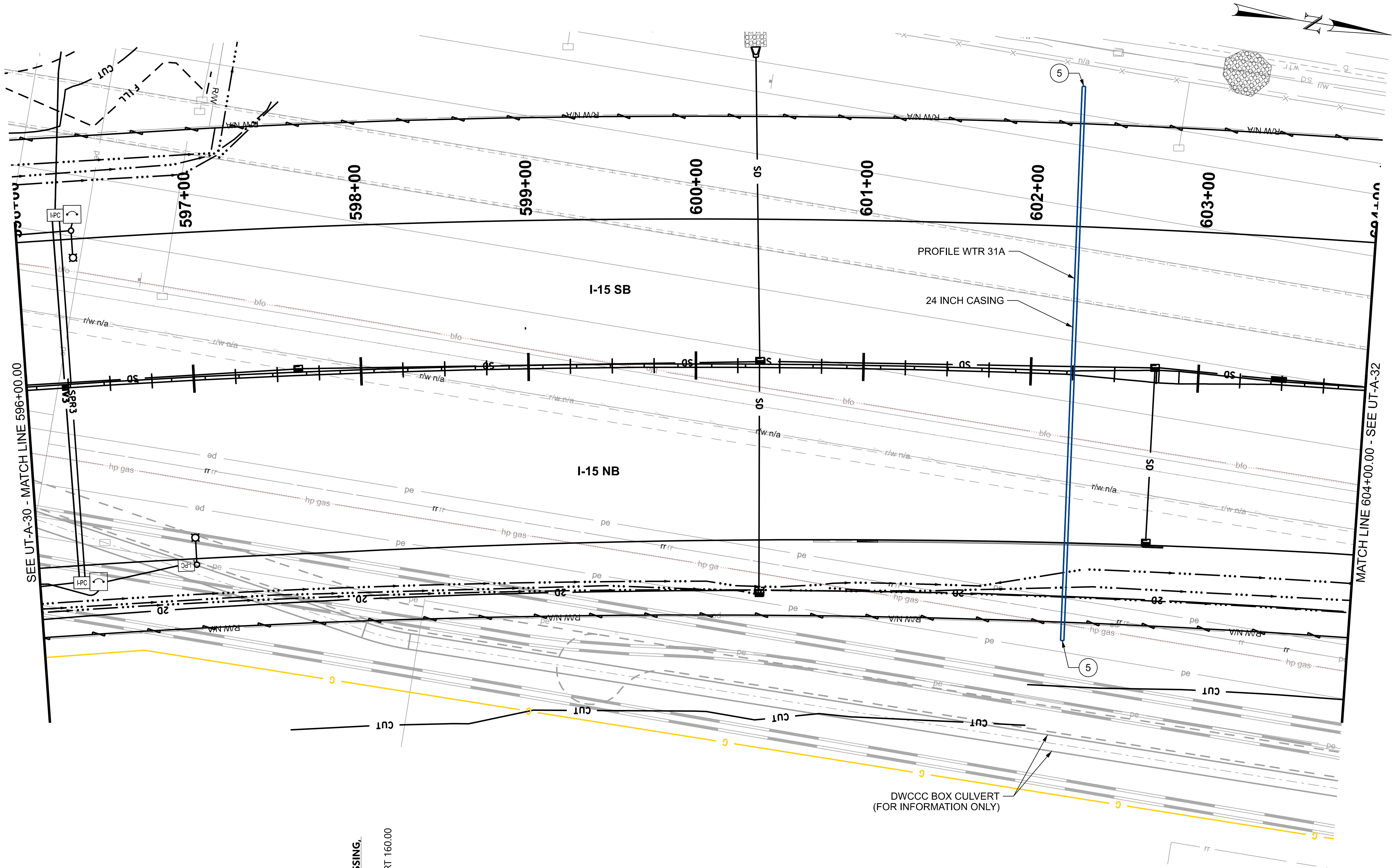
PROJECT	I-15; 1800 NORTH INTERCHANGE		
PROJECT NUMBER	S-I15-8(157)336	PIN	15682
	UTILITY - WTR		

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED
PROFESSIONAL ENGINEER
7/3/2024 DATE
DRAWN BY JMM
QC CHECKED BY CAS

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

EXHIBIT B



24 INCH STEEL CASING (I-15 CROSSING, OPEN TRENCH) (CLINTON) REQ'D
I-15 CL
602+24.98 LT 171.33 TO 602+25.00 RT 160.00

NOTES:

1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3. SEE DR SERIES FOR STORM DRAIN INFORMATION.
4. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.
5. SEAL ENDS WITH HEAVYWEIGHT POLYETHYLENE AND COVER THE END WITH PLYWOOD PRIOR TO BACKFILLING.

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

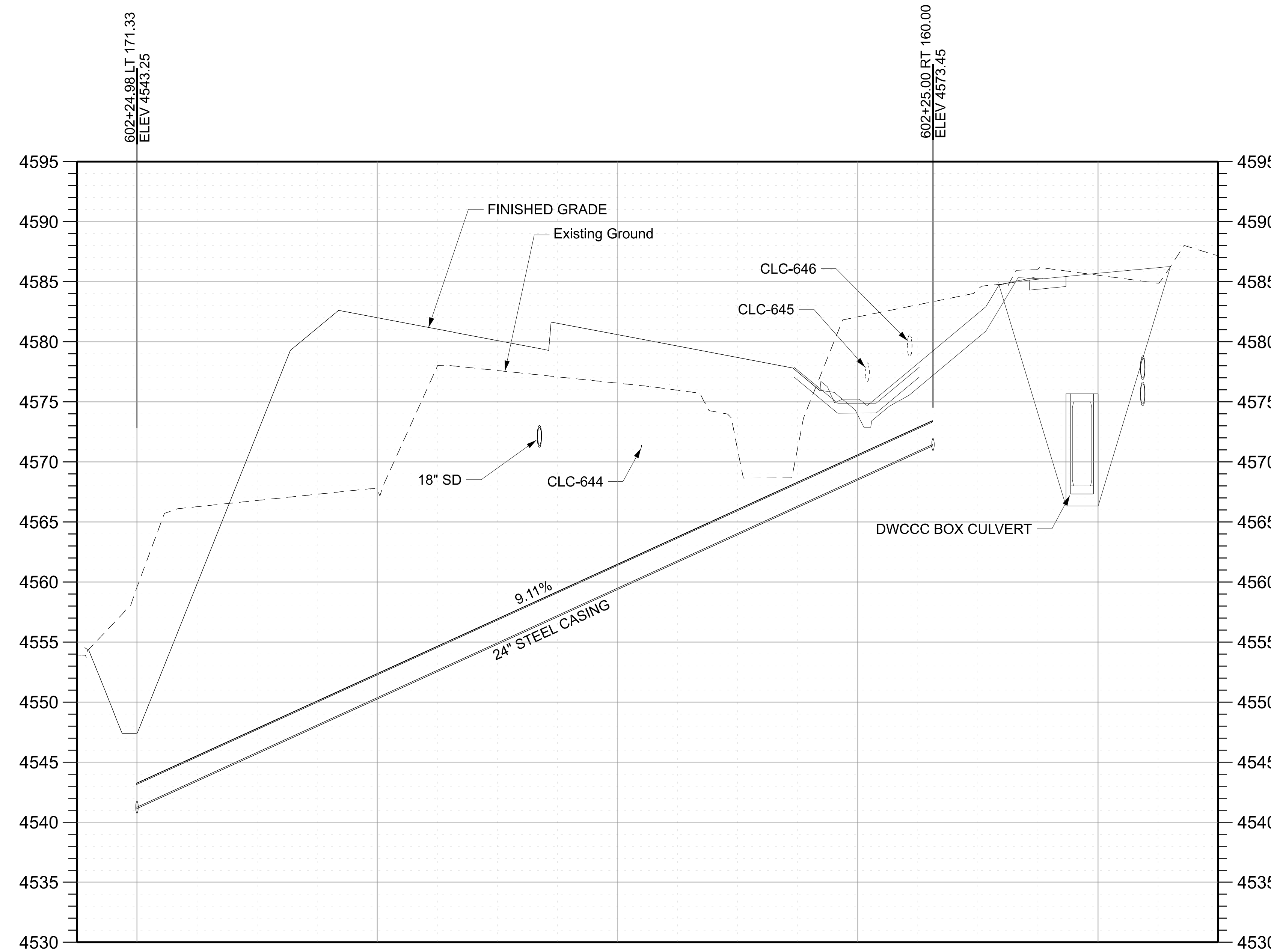
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY JMM
QC CHECKED BY CAS
APPROVED 7/3/2024 DATE
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
UTILITY - WTR

SHEET NO. UT-A-31

EXHIBIT B



PROFILE WTR 31A-01

Conflict ID Number	Owner	Utility	Size	Intermediate Disposition
CLC-644		bfo		No Vertical Conflict
CLC-645		wtr		No Vertical Conflict
CLC-646	Dominion Energy	gas	20 inch	Remove Existing Utility

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATIONS ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY JMM
QC CHECKED BY CAS
APPROVED
7/3/2024 DATE
PROFESSIONAL ENGINEER

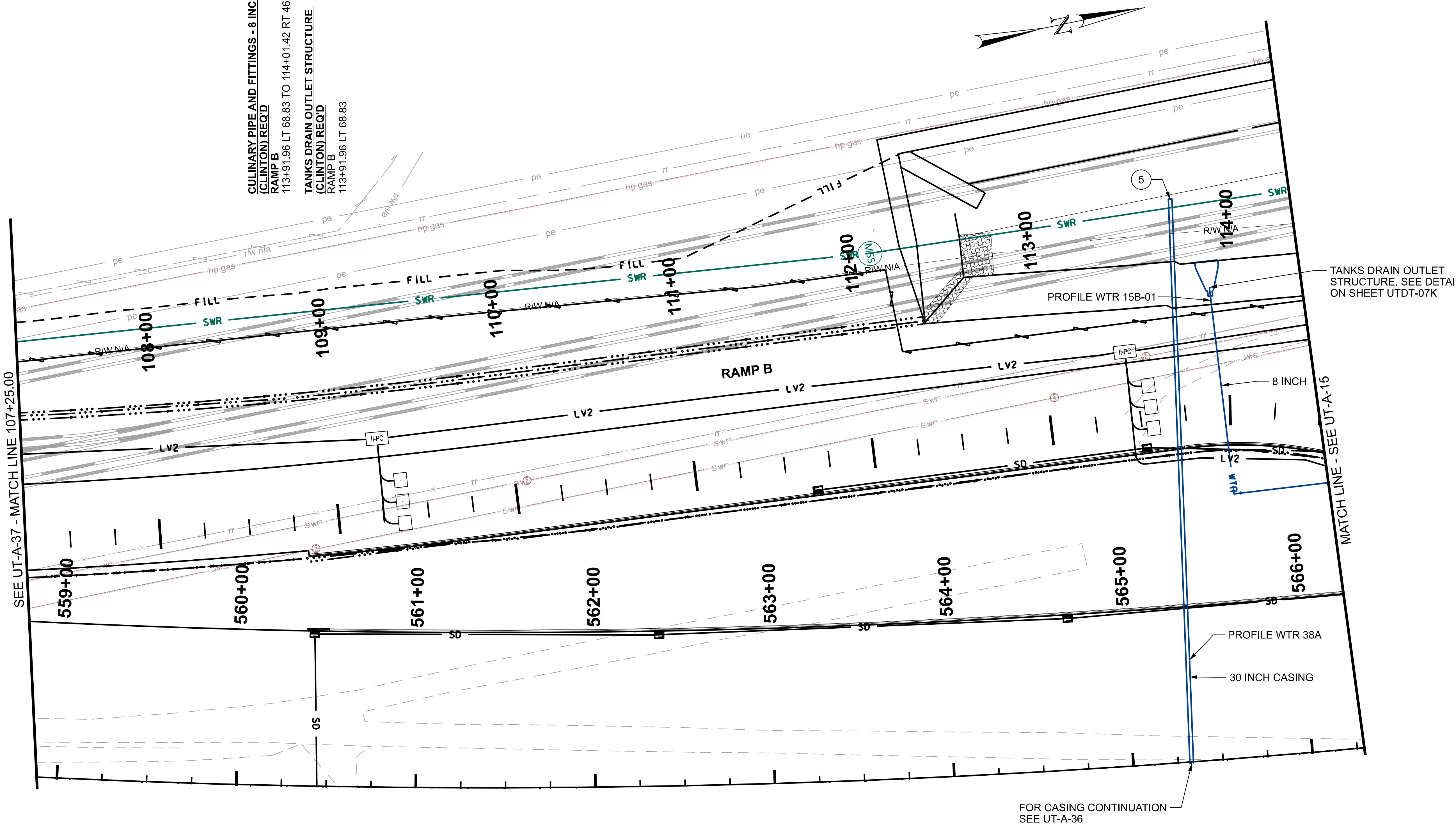
PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
WTR PROFILE

SHEET NO. UT-A-31A

EXHIBIT B

CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) REQ'D
RAMP B
113+91.96 LT 68.83 TO 114+01.42 RT 46.63

TANKS DRAIN OUTLET STRUCTURE (CLINTON) REQ'D
RAMP B
113+91.96 LT 68.83



CULINARY PIPE - 8 INCH, DR-18 PVC, PRESSURIZED (CLINTON) REQ'D
RAMP B
114+01.42 RT 46.63 TO 114+62.69 RT 34.99

90 DEG FITTING - 8 INCH (CLINTON) REQ'D
RAMP B
114+01.42 RT 46.63

30 INCH STEEL CASING (I-15 CROSSING, OPEN TRENCH) (MIDA) REQ'D
RAMP B
113+53.68 RT 194.15 TO 113+78.71 LT 119.56

NOTES:

1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3. SEE DR SERIES FOR STORM DRAIN INFORMATION.
4. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.
5. SEAL ENDS WITH HEAVYWEIGHT POLYETHYLENE AND COVER THE END WITH PLYWOOD PRIOR TO BACKFILLING.

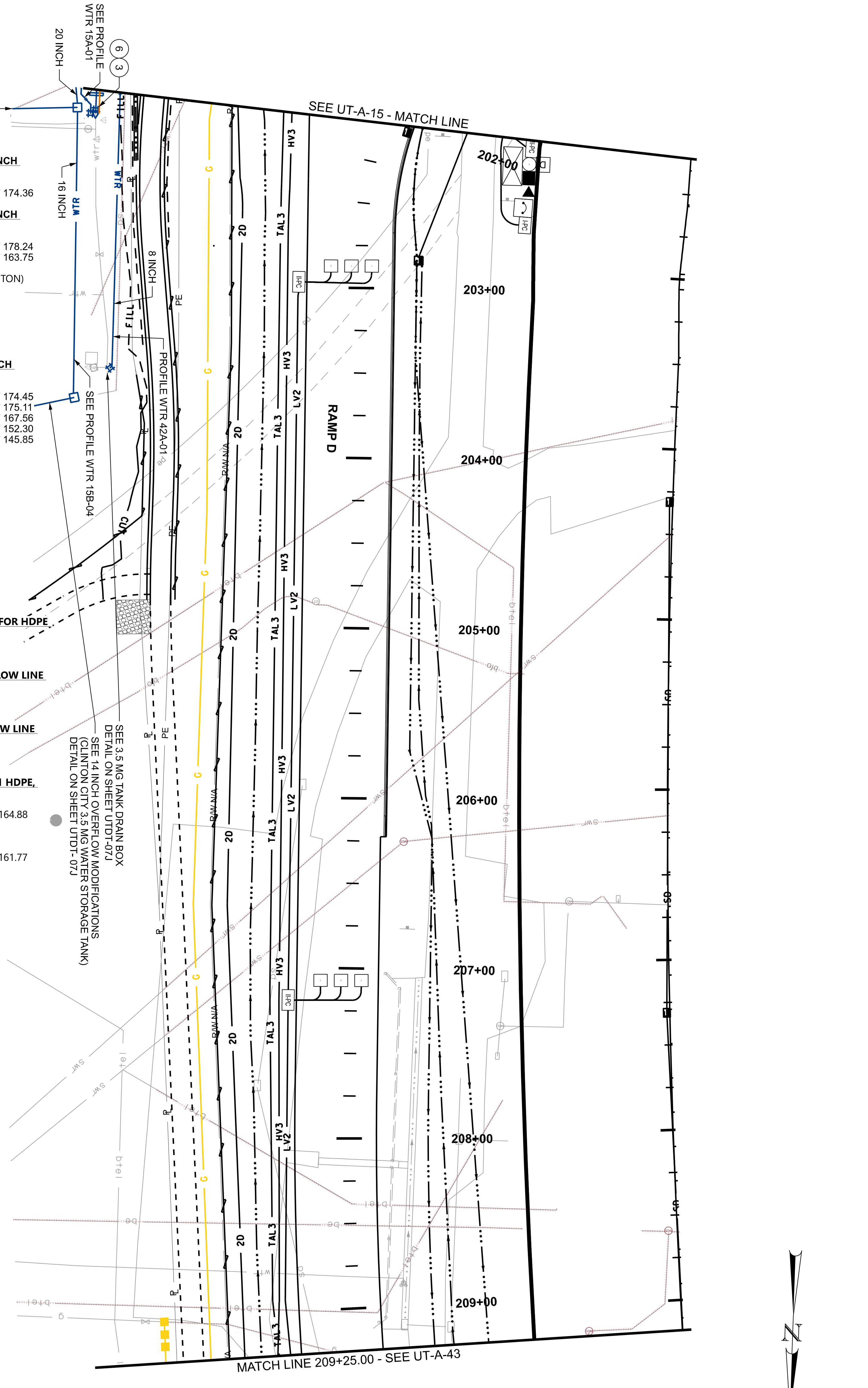
REGION 1 3-JUL-2024 10:08 mnelson DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682_UT-A-38.dgn

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
DRAWN BY JMM
QC CHECKED BY CAS
7/3/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
UTILITY - WTR
SHEET NO. UT-A-38

EXHIBIT B



CULINARY PIPE AND FITTINGS - 16 INCH (CLINTON) REQ'D
RAMP D
203+64.36 RT 168.26 TO 202+29.50 RT 174.36

CULINARY PIPE AND FITTINGS - 20 INCH (CLINTON) REQ'D
RAMP D
202+26.82 RT 175.43 TO 202+21.95 RT 178.24
202+25.03 RT 164.88 TO 202+28.90 RT 163.75

REDUCER FITTING - 20 X 18 INCH (CLINTON)
RAMP D
202+28.90 RT 163.75

PIPE COUPLING - 20 INCH (CLINTON)
RAMP D
202+27.78 RT 164.06

CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) REQ'D
RAMP D
202+26.36 RT 167.56 TO 202+23.72 RT 174.45
202+23.72 RT 174.45 TO 202+21.76 RT 175.11
202+29.16 RT 166.72 TO 202+26.36 RT 167.56
203+48.01 RT 145.85 TO 202+20.25 RT 152.30
203+49.10 RT 146.89 TO 203+48.01 RT 145.85

11.25 DEG FITTING - 8 INCH (CLINTON)
RAMP D
203+49.10 RT 146.89

45 DEG FITTING - 8 INCH (CLINTON)
RAMP D
202+23.72 RT 174.45
202+26.36 RT 167.56
203+48.01 RT 145.85

PIPE COUPLING - 8 INCH (CLINTON)
RAMP D
202+29.16 RT 166.72
203+49.10 RT 146.89

IN-LINE CONCRETE ANCHOR BLOCK FOR HDPE PIPE (CLINTON) REQ'D
RAMP D
202+22.66 RT 165.64

RECONSTRUCT 3.5 MG TANK OVERFLOW LINE (CLINTON) REQ'D
RAMP D
203+66.79 RT 167.74

RECONSTRUCT 2 MG TANK OVERFLOW LINE (CLINTON) REQ'D
RAMP D
202+28.16 RT 174.89

CULINARY PIPE - 24 INCH, (IPS) DR11 HDPE, PRESSURIZED (CLINTON) REQ'D
RAMP D
202+21.19 RT 166.12 TO 202+25.03 RT 164.88

CONDUIT - 2 INCH (CLINTON) REQ'D
RAMP D
202+21.06 RT 164.25 TO 202+28.75 RT 161.77

NOTES:
1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3. CONNECT PROPOSED PIPE TO EXISTING PPE WITH PIPE COUPLING.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.
6. SEE HDPE PIPE TRANSITION TO PVC OR DUCTILE IRON PIPE SHEET UTDT-07L.

PROJECT	I-15; 1800 NORTH INTERCHANGE		
PROJECT NUMBER	S-I15-8(157)336	PIN	15682
	UTILITY - WTR		

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

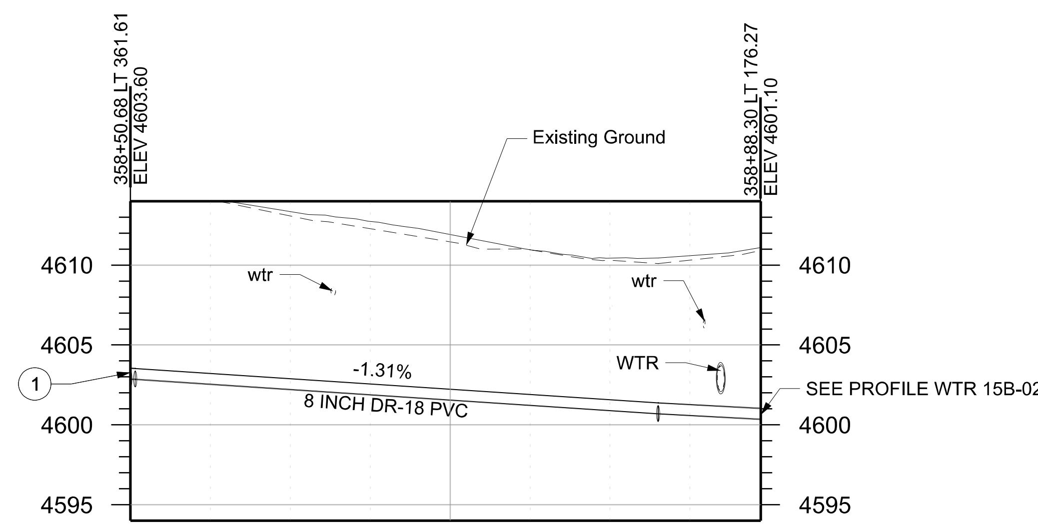
APPROVED		
PROFESSIONAL ENGINEER	DRAWN BY	JMM
DATE 7/3/2024	QC CHECKED BY	CAS

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

SHEET NO. UT-A-42

EXHIBIT B



PROFILE WTR 42A-01

NOTES:

1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATIONS ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY JMM

QC CHECKED BY CAS

APPROVED

PROFESSIONAL ENGINEER

7/3/2024

DATE

PROJECT I-15; 1800 NORTH INTERCHANGE

PIN 15682

PROJECT NUMBER S-I15-8(157)336

WTR PROFILE

SHEET NO. UT-A-42A

EXHIBIT B

CLINTON - CULINARY WATER SUMMARY (1 OF 3)

ALIGNMENT	FROM STATION		TO STATION		SHEET	4 FOOT STANDARD MANHOLE 3 FT TO 5 FT DEEP - CB 11 (CLINTON)	COMBINATION AIR VALVE ASSEMBLY - 1 INCH (CLINTON)	COMBINATION AIR VALVE ASSEMBLY - 2 INCH (CLINTON)	COMBINATION AIR VALVE ASSEMBLY - 3 INCH (CLINTON)	CONNECT SERVICE TO EXISTING WATER METER (CLINTON)	CONTINUOUS SAMPLING ASSEMBLY (CLINTON)	FIRE HYDRANT ASSEMBLY, LONG (ACROSS 1800 NORTH) (CLINTON)	FIRE HYDRANT ASSEMBLY, SHORT (CLINTON)	FLOWMETER AND CHLORINE INJECTION ASSEMBLY (CLINTON)	GATE VALVE - 8 INCH (CLINTON)	GATE VALVE - 10 INCH (CLINTON)	GATE VALVE - 12 INCH (CLINTON)	GATE VALVE - 16 INCH (CLINTON)	GATE VALVE - 20 INCH (CLINTON)	IN-LINE CONCRETE ANCHOR BLOCK FOR HDPE PIPE (CLINTON)	POLYMER CONCRETE JUNCTION BOX, TYPE I (CLINTON)	PRV STATION (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
Ramp D	202+22.66	165.64 RT	202+22.66	165.64 RT	UT-A-42															1			
SR-37 (1800 North)	249+28.54	47.99 RT	249+28.54	47.99 RT	UT-A-02										1								
SR-37 (1800 North)	249+73.49	49.52 RT	249+73.49	49.52 RT	UT-A-02												1						
SR-37 (1800 North)	253+48.63	47.51 LT	253+48.63	47.51 LT	UT-A-02							1											
SR-37 (1800 North)	255+13.86	28.17 LT	255+13.86	28.17 LT	UT-A-02		1																
SR-37 (1800 North)	255+17.96	52.64 RT	255+17.96	52.64 RT	UT-A-02										1								
SR-37 (1800 North)	255+34.70	66.91 RT	255+34.70	66.91 RT	UT-A-02								1										
SR-37 (1800 North)	257+29.13	59.49 LT	257+29.13	59.49 LT	UT-A-03								1										
SR-37 (1800 North)	257+35.08	46.85 RT	257+35.08	46.85 RT	UT-A-03										1								
SR-37 (1800 North)	257+36.54	56.55 LT	257+36.54	56.55 LT	UT-A-03		1																
SR-37 (1800 North)	262+27.07	47.50 LT	262+27.07	47.50 LT	UT-A-03							1											
SR-37 (1800 North)	263+07.89	47.50 RT	263+07.89	47.50 RT	UT-A-03								1										
SR-37 (1800 North)	265+15.52	47.60 LT	265+15.52	47.60 LT	UT-A-04							1											
SR-37 (1800 North)	265+96.09	47.50 RT	265+96.09	47.50 RT	UT-A-04								1										
SR-37 (1800 North)	267+44.93	51.92 RT	267+44.93	51.92 RT	UT-A-04												1						
SR-37 (1800 North)	267+99.27	51.92 RT	267+99.27	51.92 RT	UT-A-04			1															
SR-37 (1800 North)	268+30.00	46.84 RT	268+30.00	46.84 RT	UT-A-04											1							
SR-37 (1800 North)	268+30.00	53.99 RT	268+30.00	53.99 RT	UT-A-04											1							
SR-37 (1800 North)	268+30.00	72.03 LT	268+30.00	72.03 LT	UT-A-04			1															
SR-37 (1800 North)	268+42.27	84.46 RT	268+42.27	84.46 RT	UT-A-04								1										
SR-37 (1800 North)	268+75.11	51.99 RT	268+75.11	51.99 RT	UT-A-04													1					
SR-37 (1800 North)	270+50.40	47.50 RT	270+50.40	47.50 RT	UT-A-04								1										
SR-37 (1800 North)	272+47.00	47.50 LT	272+47.00	47.50 LT	UT-A-05							1											
SR-37 (1800 North)	272+99.96	53.70 RT	272+99.96	53.70 RT	UT-A-05										1								
SR-37 (1800 North)	273+20.66	70.48 RT	273+20.66	70.48 RT	UT-A-05								1										
SR-37 (1800 North)	275+37.00	47.50 RT	275+37.00	47.50 RT	UT-A-05								1										
SR-37 (1800 North)	277+49.41	47.50 LT	277+49.41	47.50 LT	UT-A-05							1											
SR-37 (1800 North)	278+89.51	52.95 RT	278+89.51	52.95 RT	UT-A-05										1								
SR-37 (1800 North)	280+35.91	47.50 RT	280+35.91	47.50 RT	UT-A-06								1										
SR-37 (1800 North)	282+24.57	47.50 LT	282+24.57	47.50 LT	UT-A-06							1											
SR-37 (1800 North)	282+84.54	52.34 RT	282+84.54	52.34 RT	UT-A-06			1															
SR-37 (1800 North)	282+90.27	54.10 RT	282+90.27	54.10 RT	UT-A-06										1								
SR-37 (1800 North)	283+05.54	115.70 RT	283+05.54	115.70 RT	UT-A-06								1										
SR-37 (1800 North)	283+15.22	52.07 RT	283+15.22	52.07 RT	UT-A-06													1					
SUBTOTAL 1						**0**	**2**	**3**	**0**	**0**	**0**	**6**	**10**	**0**	**6**	**2**	**2**	**2**	**0**	**1**	**0**	**0**	

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY: NEW

QC CHECKED BY: KNC

7/8/2024 DATE

APPROVED

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

PIN 15682

PROJECT NUMBER: S-I15-8(157)336

UTILITY SUMMARY

SHEET NO. SMU-01

REGION 1 8-JUL-2024 16:30 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-01.dgn

EXHIBIT B

CLINTON - CULINARY WATER SUMMARY (2 OF 3)

ALIGNMENT	FROM STATION STA.	FROM STATION OFF.	TO STATION STA.	TO STATION OFF.	SHEET	4 FOOT STANDARD MANHOLE 3 FT TO 5 FT DEEP - CB 11 (CLINTON) EACH	COMBINATION AIR VALVE ASSEMBLY - 1 INCH (CLINTON) EACH	COMBINATION AIR VALVE ASSEMBLY - 2 INCH (CLINTON) EACH	COMBINATION AIR VALVE ASSEMBLY - 3 INCH (CLINTON) EACH	CONNECT SERVICE TO EXISTING WATER METER (CLINTON) EACH	CONTINUOUS SAMPLING ASSEMBLY (CLINTON) EACH	FIRE HYDRANT ASSEMBLY, LONG (ACROSS 1800 NORTH) (CLINTON) EACH	FIRE HYDRANT ASSEMBLY, SHORT (CLINTON) EACH	FLOWMETER AND CHLORINE INJECTION ASSEMBLY (CLINTON) EACH	GATE VALVE - 8 INCH (CLINTON) EACH	GATE VALVE - 10 INCH (CLINTON) EACH	GATE VALVE - 12 INCH (CLINTON) EACH	GATE VALVE - 16 INCH (CLINTON) EACH	GATE VALVE - 20 INCH (CLINTON) EACH	IN-LINE CONCRETE ANCHOR BLOCK FOR HDPE PIPE (CLINTON) EACH	POLYMER CONCRETE JUNCTION BOX, TYPE I (CLINTON) EACH	PRV STATION (CLINTON) EACH	REMARKS
SR-37 (1800 North)	284+24.27	50.27 RT	284+24.27	50.27 RT	UT-A-06											1							
SR-37 (1800 North)	284+44.16	76.50 LT	284+44.16	76.50 LT	UT-A-06								1										
SR-37 (1800 North)	286+91.20	62.07 RT	286+91.20	62.07 RT	UT-A-06								1										
SR-37 (1800 North)	287+86.33	53.92 RT	287+86.33	53.92 RT	UT-A-06										1								
SR-37 (1800 North)	288+00.65	47.49 LT	288+00.65	47.49 LT	UT-A-07							1											
SR-37 (1800 North)	290+46.89	53.55 RT	290+46.89	53.55 RT	UT-A-07										1								
SR-37 (1800 North)	290+47.48	47.50 LT	290+47.48	47.50 LT	UT-A-07							1											
SR-37 (1800 North)	293+35.19	51.99 RT	293+35.19	51.99 RT	UT-A-07													1					
SR-37 (1800 North)	293+41.10	52.04 RT	293+41.10	52.04 RT	UT-A-07												1						
SR-37 (1800 North)	293+57.96	61.13 RT	293+57.96	61.13 RT	UT-A-07																	1	
SR-37 (1800 North)	294+34.85	57.18 RT	294+34.85	57.18 RT	UT-A-07			1															
SR-37 (1800 North)	294+46.51	152.31 LT	294+46.51	152.31 LT	UT-A-07												1						
SR-37 (1800 North)	294+47.27	132.41 LT	294+47.27	132.41 LT	UT-A-07			1															
SR-37 (1800 North)	294+65.12	59.23 RT	294+65.12	59.23 RT	UT-A-07												1						
SR-37 (1800 North)	294+67.46	56.47 RT	294+67.46	56.47 RT	UT-A-07														1				
SR-37 (1800 North)	295+19.07	48.50 RT	295+19.07	48.50 RT	UT-A-07								1										
SR-37 (1800 North)	296+00.98	48.50 LT	296+00.98	48.50 LT	UT-A-08							1											
SR-37 (1800 North)	298+48.98	54.85 RT	298+48.98	54.85 RT	UT-A-08										1								
SR-37 (1800 North)	298+55.93	82.83 RT	298+55.93	82.83 RT	UT-A-08								1										
SR-37 (1800 North)	298+58.21	51.11 RT	298+58.21	51.11 RT	UT-A-08										1								
SR-37 (1800 North)	298+68.26	85.46 LT	298+68.26	85.46 LT	UT-A-08								1										
SR-37 (1800 North)	301+12.45	48.50 LT	301+12.45	48.50 LT	UT-A-08							1											
SR-37 (1800 North)	301+60.39	48.50 RT	301+60.39	48.50 RT	UT-A-08								1										
SR-37 (1800 North)	304+27.37	64.43 RT	304+27.37	64.43 RT	UT-A-09														1				
SR-37 (1800 North)	304+62.17	104.78 RT	304+62.17	104.78 RT	UT-A-09											1							
SR-37 (1800 North)	304+67.90	62.80 RT	304+67.90	62.80 RT	UT-A-09													1					
SR-37 (1800 North)	304+75.21	109.52 RT	304+75.21	109.52 RT	UT-A-09								1										
SR-37 (1800 North)	304+87.16	176.68 LT	304+87.16	176.68 LT	UT-A-09										1								
SR-37 (1800 North)	304+91.67	69.75 RT	304+91.67	69.75 RT	UT-A-09														1				
SR-37 (1800 North)	304+99.38	197.35 LT	304+99.38	197.35 LT	UT-A-09								1										
SR-37 (1800 North)	305+03.42	159.95 LT	305+03.42	159.95 LT	UT-A-09												1						
SR-37 (1800 North)	306+54.86	90.41 RT	306+54.86	90.41 RT	UT-A-09					1													
SR-37 (1800 North)	307+33.14	93.62 RT	307+33.14	93.62 RT	UT-A-09					1													
SR-37 (1800 North)	309+31.49	88.87 RT	309+31.49	88.87 RT	UT-A-09										1								
SUBTOTAL 2						0	0	2	0	2	0	4	8	0	6	2	4	2	3	0	0	1	

REVISIONS
NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
NEW | DRAWN BY
KNC | QC CHECKED BY
7/8/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
UTILITY SUMMARY
SHEET NO. SMU-02

EXHIBIT B

CLINTON - CULINARY WATER SUMMARY (3 OF 3)

ALIGNMENT	FROM STATION STA.	FROM STATION OFF.	TO STATION STA.	TO STATION OFF.	SHEET	4 FOOT STANDARD MANHOLE 3 FT TO 5 FT DEEP - CB 11 (CLINTON)	COMBINATION AIR VALVE ASSEMBLY - 1 INCH (CLINTON)	COMBINATION AIR VALVE ASSEMBLY - 2 INCH (CLINTON)	COMBINATION AIR VALVE ASSEMBLY - 3 INCH (CLINTON)	CONNECT SERVICE TO EXISTING WATER METER (CLINTON)	CONTINUOUS SAMPLING ASSEMBLY (CLINTON)	FIRE HYDRANT ASSEMBLY, LONG (ACROSS 1800 NORTH) (CLINTON)	FIRE HYDRANT ASSEMBLY, SHORT (CLINTON)	FLOWMETER AND CHLORINE INJECTION ASSEMBLY (CLINTON)	GATE VALVE - 8 INCH (CLINTON)	GATE VALVE - 10 INCH (CLINTON)	GATE VALVE - 12 INCH (CLINTON)	GATE VALVE - 16 INCH (CLINTON)	GATE VALVE - 20 INCH (CLINTON)	IN-LINE CONCRETE ANCHOR BLOCK FOR HDPE PIPE (CLINTON)	POLYMER CONCRETE JUNCTION BOX, TYPE I (CLINTON)	PRV STATION (CLINTON)	REMARKS
						EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
SR-37 (1800 North)	309+36.76	100.56 LT	309+36.76	100.56 LT	UT-A-09												1						
SR-37 (1800 North)	309+50.10	115.02 LT	309+50.10	115.02 LT	UT-A-09								1										
SR-37 (1800 North)	309+52.03	143.18 RT	309+52.03	143.18 RT	UT-A-09								1										
SR-37 (1800 North)	309+56.46	83.59 LT	309+56.46	83.59 LT	UT-A-09												1						
SR-37 (1800 North)	311+51.99	92.10 RT	311+51.99	92.10 RT	UT-A-09								1										
SR-37 (1800 North)	312+54.84	98.00 RT	312+54.84	98.00 RT	UT-A-10										1								
SR-37 (1800 North)	314+48.36	90.00 RT	314+48.36	90.00 RT	UT-A-10								1										
SR-37 (1800 North)	315+37.70	78.74 LT	315+37.70	78.74 LT	UT-A-10												1						
SR-37 (1800 North)	315+56.97	79.36 RT	315+56.97	79.36 RT	UT-A-10	1																	
SR-37 (1800 North)	315+89.60	78.63 LT	315+89.60	78.63 LT	UT-A-10													1					
SR-37 (1800 North)	318+48.77	92.47 RT	318+48.77	92.47 RT	UT-A-10														1				
SR-37 (1800 North)	318+61.45	77.90 LT	318+61.45	77.90 LT	UT-A-10													1					
SR-37 (1800 North)	318+85.48	87.77 RT	318+85.48	87.77 RT	UT-A-10													1					
SR-37 (1800 North)	318+85.79	94.51 RT	318+85.79	94.51 RT	UT-A-10											1							
SR-37 (1800 North)	318+88.45	94.30 LT	318+88.45	94.30 LT	UT-A-10										1								
SR-37 (1800 North)	319+36.45	84.12 RT	319+36.45	84.12 RT	UT-A-10											1							
SR-37 (1800 North)	319+42.99	81.82 RT	319+42.99	81.82 RT	UT-A-10														1				
SR-37 (1800 North)	319+49.03	81.51 RT	319+49.03	81.51 RT	UT-A-10						1												
SR-37 (1800 North)	319+57.56	88.80 RT	319+57.56	88.80 RT	UT-A-10								1										
SR-37 (1800 North)	320+13.61	81.10 RT	320+13.61	81.10 RT	UT-A-11									1									
SR-37 (1800 North)	320+22.85	80.81 RT	320+22.85	80.81 RT	UT-A-11															1			
SR-37 (1800 North)	346+63.18	89.07 LT	346+63.18	89.07 LT	UT-A-14																1		
SR-37 (1800 North)	346+63.71	72.50 RT	346+63.71	72.50 RT	UT-A-14																1		
SR-37 (1800 North)	346+85.20	104.00 RT	346+85.20	104.00 RT	UT-A-14																1		
SR-37 (1800 North)	346+86.49	97.01 RT	346+86.49	97.01 RT	UT-A-14			1															
SR-37 (1800 North)	346+93.14	76.90 RT	346+93.14	76.90 RT	UT-A-14														1				
SR-37 (1800 North)	350+16.82	77.16 RT	350+16.82	77.16 RT	UT-A-14																1		
SR-37 (1800 North)	358+75.75	198.52 LT	358+75.75	198.52 LT	UT-A-15																1		
SR-37 (1800 North)	358+77.98	193.63 LT	358+77.98	193.63 LT	UT-A-15				1														
SR-37 (1800 North)	355+25.60	73.13 RT	355+25.60	73.13 RT	UT-A-15																1		
SUBTOTAL 3						**1**	**0**	**1**	**1**	**0**	**1**	**0**	**5**	**1**	**2**	**2**	**3**	**3**	**3**	**1**	**6**	**0**	
SUBTOTAL 2						0	0	2	0	2	0	4	8	0	6	2	4	2	3	0	0	1	
SUBTOTAL 1						0	2	3	0	0	0	6	10	0	6	2	2	2	0	1	0	0	
TOTAL						**1**	**2**	**6**	**1**	**2**	**1**	**10**	**23**	**1**	**14**	**6**	**9**	**7**	**6**	**2**	**6**	**1**	

REGION 1 8-JUL-2024 16:30 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-03.dgn

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

NEW | DRAWN BY | KNC | QC CHECKED BY | 7/8/2024 DATE | PROFESSIONAL ENGINEER | APPROVED

PROJECT: I-15; 1800 NORTH INTERCHANGE | PIN 15682

PROJECT NUMBER: S-I15-8(157)336

UTILITY SUMMARY

SHEET NO. SMU-03

EXHIBIT B

CLINTON - CULINARY WATER SUMMARY (1 OF 4)

ALIGNMENT	FROM STATION		TO STATION		SHEET	RECONSTRUCT 2 MG TANK OVERFLOW LINE (CLINTON)	RECONSTRUCT 3.5 MG TANK OVERFLOW LINE (CLINTON)	RECONSTRUCT VALVE BOX (CLINTON)	SAMPLING STATION ASSEMBLY (CLINTON)	TANKS DRAIN OUTLET STRUCTURE (CLINTON)	WATER METER BOX AND SETTER - 3/4 INCH (CLINTON)	WATER METER BOX AND SETTER - 1 INCH (CLINTON)	WATER METER BOX AND SETTER - 1 1/2 INCH (CLINTON)	WATER METER BOX AND SETTER - 2 INCH (CLINTON)	24 INCH STEEL CASING (I-15 CROSSING, OPEN TRENCH) (CLINTON)	30 INCH STEEL CASING AND CULINARY PIPE - 24 INCH, DR 11 HDPE PRESSURE (D&W CANAL CROSSING, OPEN TRENCH) (CLINTON)	30 INCH STEEL CASING AND CULINARY PIPE - 24 INCH, DR 11 HDPE PRESSURE (RR CROSSING) (CLINTON)	CONDUIT - 2 INCH (CLINTON)	CULINARY PIPE - 24 INCH, (IPS) DR11 HDPE, PRESSURIZED (CLINTON)	CULINARY PIPE AND FITTINGS - 10 INCH (CLINTON)	CULINARY PIPE AND FITTINGS - 12 INCH (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	LF	LF	LF	LF	LF	LF	LF	
I-15 CL	602+24.98	171.33 LT	602+25.00	160.00 RT	UT-A-31										332							
Ramp B	113+91.96	68.83 LT	113+91.96	68.83 LT	UT-A-38					1												
Ramp D	202+21.06	164.25 RT	202+28.75	161.77 RT	UT-A-42													14				
Ramp D	202+21.19	166.12 RT	202+25.03	164.88 RT	UT-A-42														7			
Ramp D	202+28.16	174.89 RT	202+28.16	174.89 RT	UT-A-42	1																
Ramp D	203+66.79	167.74 RT	203+66.79	167.74 RT	UT-A-42		1															
SR-37 (1800 North)	249+16.35	49.67 RT	249+28.55	49.64 RT	UT-A-02																13	
SR-37 (1800 North)	249+28.55	49.64 RT	255+17.89	51.14 RT	UT-A-02																588	
SR-37 (1800 North)	252+04.93	54.00 LT	252+04.93	54.00 LT	UT-A-02							1										
SR-37 (1800 North)	255+09.29	47.39 LT	255+09.29	47.39 LT	UT-A-02									1								
SR-37 (1800 North)	255+17.89	51.14 RT	256+00.01	49.57 RT	UT-A-02																83	
SR-37 (1800 North)	256+00.00	49.62 RT	257+35.06	48.50 RT	UT-A-03																136	
SR-37 (1800 North)	257+35.06	48.50 RT	264+00.00	52.00 RT	UT-A-03																667	
SR-37 (1800 North)	257+92.69	47.46 RT	257+92.69	47.46 RT	UT-A-03				1													
SR-37 (1800 North)	261+24.45	47.50 RT	261+24.45	47.50 RT	UT-A-03						1											
SR-37 (1800 North)	261+86.40	47.50 RT	261+86.40	47.50 RT	UT-A-03						1											
SR-37 (1800 North)	262+67.41	47.49 RT	262+67.41	47.49 RT	UT-A-03						1											
SR-37 (1800 North)	263+47.24	47.81 RT	263+47.24	47.81 RT	UT-A-03						1											
SR-37 (1800 North)	264+00.00	52.00 RT	268+28.00	51.86 RT	UT-A-04																429	
SR-37 (1800 North)	264+98.96	47.50 RT	264+98.96	47.50 RT	UT-A-04						1											
SR-37 (1800 North)	266+55.58	48.07 RT	266+55.58	48.07 RT	UT-A-04						1											
SR-37 (1800 North)	267+03.00	48.11 RT	267+03.00	48.11 RT	UT-A-04						1											
SR-37 (1800 North)	268+23.51	140.50 RT	268+23.71	128.50 RT	UT-A-04															13		
SR-37 (1800 North)	268+23.71	128.50 RT	268+30.00	122.18 RT	UT-A-04															9		
SR-37 (1800 North)	268+24.12	90.49 LT	268+22.92	198.94 LT	UT-A-04															109		
SR-37 (1800 North)	268+24.12	90.49 LT	268+30.00	76.54 LT	UT-A-04															16		
SR-37 (1800 North)	268+24.15	206.04 LT	268+24.16	202.04 LT	UT-A-04															4		
SR-37 (1800 North)	268+24.16	202.04 LT	268+22.92	198.94 LT	UT-A-04															4		
SR-37 (1800 North)	268+24.16	204.21 LT	268+24.16	204.21 LT	UT-A-04			1														
SR-37 (1800 North)	268+30.00	51.84 RT	268+30.00	76.54 LT	UT-A-04															129		
SR-37 (1800 North)	268+30.00	51.84 RT	268+30.00	84.25 RT	UT-A-04															33		
SR-37 (1800 North)	268+30.00	84.25 RT	268+30.00	122.18 RT	UT-A-04															38		
SR-37 (1800 North)	270+17.07	47.85 RT	270+17.07	47.85 RT	UT-A-04						1											
SR-37 (1800 North)	270+53.95	47.50 LT	270+53.95	47.50 LT	UT-A-04									1								
SUBTOTAL 1						1	1	1	1	1	8	1	0	2	332	0	0	14	7	355	1916	

REVISIONS
NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
DRAWN BY NEW
QC CHECKED BY KNC
APPROVED
PROFESSIONAL ENGINEER
7/8/2024 DATE

PROJECT I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
UTILITY SUMMARY
SHEET NO. SMU-04

REGION 1 8-JUL-2024 16:30 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-04.dgn

EXHIBIT B

CLINTON - CULINARY WATER SUMMARY (2 OF 4)

ALIGNMENT	FROM STATION STA.	FROM STATION OFF.	TO STATION STA.	TO STATION OFF.	SHEET	RECONSTRUCT 2 MG TANK OVERFLOW LINE (CLINTON) EACH	RECONSTRUCT 3.5 MG TANK OVERFLOW LINE (CLINTON) EACH	RECONSTRUCT VALVE BOX (CLINTON) EACH	SAMPLING STATION ASSEMBLY (CLINTON) EACH	TANKS DRAIN OUTLET STRUCTURE (CLINTON) EACH	WATER METER BOX AND SETTER - 3/4 INCH (CLINTON) EACH	WATER METER BOX AND SETTER - 1 INCH (CLINTON) EACH	WATER METER BOX AND SETTER - 1 1/2 INCH (CLINTON) EACH	WATER METER BOX AND SETTER - 2 INCH (CLINTON) EACH	24 INCH STEEL CASING (I-15 CROSSING, OPEN TRENCH) (CLINTON) LF	30 INCH STEEL CASING AND CULINARY PIPE - 24 INCH, DR 11 HDPE PRESSURE (D&W CANAL CROSSING, OPEN TRENCH) (CLINTON) LF	30 INCH STEEL CASING AND CULINARY PIPE - 24 INCH, DR 11 HDPE PRESSURE (RR CROSSING) (CLINTON) LF	CONDUIT - 2 INCH (CLINTON) LF	CULINARY PIPE - 24 INCH, (IPS) DR11 HDPE, PRESSURIZED (CLINTON) LF	CULINARY PIPE AND FITTINGS - 10 INCH (CLINTON) LF	CULINARY PIPE AND FITTINGS - 12 INCH (CLINTON) LF	REMARKS
SR-37 (1800 North)	271+01.85	47.97 RT	271+01.85	47.97 RT	UT-A-04						1											
SR-37 (1800 North)	273+20.73	67.92 RT	273+20.73	67.92 RT	UT-A-05								1									
SR-37 (1800 North)	273+49.66	47.50 LT	273+49.66	47.50 LT	UT-A-05						1											
SR-37 (1800 North)	275+07.69	47.50 LT	275+07.69	47.50 LT	UT-A-05						1											
SR-37 (1800 North)	275+30.77	47.49 RT	275+30.77	47.49 RT	UT-A-05				1													
SR-37 (1800 North)	275+75.01	47.50 RT	275+75.01	47.50 RT	UT-A-05						1											
SR-37 (1800 North)	276+83.27	47.50 LT	276+83.27	47.50 LT	UT-A-05						1											
SR-37 (1800 North)	277+07.99	47.50 RT	277+07.99	47.50 RT	UT-A-05						1											
SR-37 (1800 North)	277+96.94	47.50 RT	277+96.94	47.50 RT	UT-A-05						1											
SR-37 (1800 North)	278+16.89	47.50 LT	278+16.89	47.50 LT	UT-A-05							1										
SR-37 (1800 North)	279+02.00	47.50 LT	279+02.00	47.50 LT	UT-A-05						1											
SR-37 (1800 North)	279+83.77	47.50 LT	279+83.77	47.50 LT	UT-A-05						1											
SR-37 (1800 North)	281+20.55	47.50 LT	281+20.55	47.50 LT	UT-A-06						1											
SR-37 (1800 North)	282+10.29	47.28 LT	282+10.29	47.28 LT	UT-A-06						1											
SR-37 (1800 North)	282+18.12	47.43 LT	282+18.12	47.43 LT	UT-A-06						1											
SR-37 (1800 North)	284+24.26	52.00 RT	284+24.64	76.56 LT	UT-A-06															129		
SR-37 (1800 North)	284+24.64	76.56 LT	284+24.66	83.84 LT	UT-A-06															9		
SR-37 (1800 North)	284+24.67	84.95 LT	284+31.27	113.46 LT	UT-A-06															30		
SR-37 (1800 North)	286+40.93	47.50 LT	286+40.93	47.50 LT	UT-A-06						1											
SR-37 (1800 North)	287+39.02	47.50 LT	287+39.02	47.50 LT	UT-A-06						1											
SR-37 (1800 North)	287+86.31	52.15 RT	287+86.36	58.15 RT	UT-A-06															6		
SR-37 (1800 North)	287+86.36	58.15 RT	287+90.43	62.12 RT	UT-A-06															6		
SR-37 (1800 North)	287+90.43	62.12 RT	287+90.46	66.12 RT	UT-A-06															4		
SR-37 (1800 North)	288+61.40	47.14 LT	288+61.40	47.14 LT	UT-A-07						1											
SR-37 (1800 North)	290+10.38	47.50 LT	290+10.38	47.50 LT	UT-A-07						1											
SR-37 (1800 North)	291+50.42	47.50 LT	291+50.42	47.50 LT	UT-A-07								1									
SR-37 (1800 North)	293+38.60	53.35 RT	293+39.92	52.04 RT	UT-A-07																2	
SR-37 (1800 North)	293+39.90	52.04 RT	293+77.72	52.04 RT	UT-A-07																38	
SR-37 (1800 North)	293+42.28	47.50 LT	293+42.28	47.50 LT	UT-A-07									1								
SR-37 (1800 North)	293+77.72	52.04 RT	294+24.46	04.59 RT	UT-A-07																67	
SR-37 (1800 North)	294+23.60	95.00 LT	294+24.46	04.59 RT	UT-A-07																100	
SR-37 (1800 North)	294+23.60	95.00 LT	294+47.77	119.48 LT	UT-A-07																35	
SR-37 (1800 North)	294+46.46	153.56 LT	294+47.77	119.48 LT	UT-A-07																35	
SR-37 (1800 North)	294+65.12	56.50 RT	294+65.12	93.53 RT	UT-A-07																35	
SUBTOTAL 2						0	0	0	1	0	16	1	2	1	0	0	0	0	0	184	312	

DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-05.dgn

nweinkauf

16:30

8-JUL-2024

REGION 1

REVISIONS

NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

APPROVED

PROFESSIONAL ENGINEER

7/8/2024

DATE

DRAWN BY NEW

QC CHECKED BY KNC

PROJECT I-15; 1800 NORTH INTERCHANGE

PIN 15682

PROJECT NUMBER S-I15-8(157)336

UTILITY SUMMARY

SHEET NO. SMU-05

EXHIBIT B

CLINTON - CULINARY WATER SUMMARY (3 OF 4)

ALIGNMENT	FROM STATION STA.	FROM STATION OFF.	TO STATION STA.	TO STATION OFF.	SHEET	RECONSTRUCT 2 MG TANK OVERFLOW LINE (CLINTON)	RECONSTRUCT 3.5 MG TANK OVERFLOW LINE (CLINTON)	RECONSTRUCT VALVE BOX (CLINTON)	SAMPLING STATION ASSEMBLY (CLINTON)	TANKS DRAIN OUTLET STRUCTURE (CLINTON)	WATER METER BOX AND SETTER - 3/4 INCH (CLINTON)	WATER METER BOX AND SETTER - 1 INCH (CLINTON)	WATER METER BOX AND SETTER - 1 1/2 INCH (CLINTON)	WATER METER BOX AND SETTER - 2 INCH (CLINTON)	24 INCH STEEL CASING (I-15 CROSSING, OPEN TRENCH) (CLINTON)	30 INCH STEEL CASING AND CULINARY PIPE - 24 INCH, DR 11 HDPE PRESSURE (D&W CANAL CROSSING, OPEN TRENCH) (CLINTON)	30 INCH STEEL CASING AND CULINARY PIPE - 24 INCH, DR 11 HDPE PRESSURE (RR CROSSING) (CLINTON)	CONDUIT - 2 INCH (CLINTON)	CULINARY PIPE - 24 INCH, (IPS) DR11 HDPE, PRESSURIZED (CLINTON)	CULINARY PIPE AND FITTINGS - 10 INCH (CLINTON)	CULINARY PIPE AND FITTINGS - 12 INCH (CLINTON)	REMARKS
						EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	LF	LF	LF	LF	LF	LF	LF	
SR-37 (1800 North)	294+65.12	93.53 RT	294+70.10	122.49 RT	UT-A-07																32	
SR-37 (1800 North)	294+69.85	169.69 RT	294+70.10	122.49 RT	UT-A-07																48	
SR-37 (1800 North)	304+61.67	110.70 RT	304+62.50	100.79 RT	UT-A-09															10		
SR-37 (1800 North)	304+62.50	100.79 RT	304+66.73	77.50 RT	UT-A-09															24		
SR-37 (1800 North)	304+66.73	77.50 RT	304+67.31	69.84 RT	UT-A-09															8		
SR-37 (1800 North)	304+85.98	161.42 LT	305+27.37	158.01 LT	UT-A-09																43	
SR-37 (1800 North)	305+27.37	158.01 LT	305+81.50	142.81 LT	UT-A-09																58	
SR-37 (1800 North)	305+81.50	142.81 LT	306+88.11	90.36 LT	UT-A-09																121	
SR-37 (1800 North)	305+85.36	118.51 LT	305+85.36	118.51 LT	UT-A-09						1											
SR-37 (1800 North)	306+88.11	90.36 LT	309+36.65	84.07 LT	UT-A-09																253	
SR-37 (1800 North)	309+32.95	110.53 LT	309+32.98	115.13 LT	UT-A-09																5	
SR-37 (1800 North)	309+32.95	110.53 LT	309+36.81	106.56 LT	UT-A-09																6	
SR-37 (1800 North)	309+32.98	115.13 LT	309+33.02	119.49 LT	UT-A-09																5	
SR-37 (1800 North)	309+36.65	84.07 LT	309+36.81	106.56 LT	UT-A-09																23	
SR-37 (1800 North)	309+36.65	84.07 LT	312+00.00	81.16 LT	UT-A-09																264	
SR-37 (1800 North)	309+91.35	94.26 RT	309+91.35	94.26 RT	UT-A-09				1													
SR-37 (1800 North)	311+81.15	91.51 RT	311+81.15	91.51 RT	UT-A-09						1											
SR-37 (1800 North)	312+00.00	81.16 LT	315+80.52	78.72 LT	UT-A-10																382	
SR-37 (1800 North)	313+33.58	89.75 RT	313+33.58	89.75 RT	UT-A-10						1											
SR-37 (1800 North)	314+15.32	89.75 RT	314+15.32	89.75 RT	UT-A-10						1											
SR-37 (1800 North)	314+79.45	89.75 RT	314+79.45	89.75 RT	UT-A-10						1											
SR-37 (1800 North)	315+61.31	89.75 RT	315+61.31	89.75 RT	UT-A-10						1											
SR-37 (1800 North)	315+81.41	128.68 LT	315+81.76	78.72 LT	UT-A-10																50	
SR-37 (1800 North)	316+35.93	89.75 RT	316+35.93	89.75 RT	UT-A-10						1											
SR-37 (1800 North)	317+19.99	89.75 RT	317+19.99	89.75 RT	UT-A-10						1											
SR-37 (1800 North)	318+62.21	130.24 RT	318+62.21	130.24 RT	UT-A-10						1											
SR-37 (1800 North)	318+85.56	89.54 RT	318+90.16	184.36 RT	UT-A-10															95		
SR-37 (1800 North)	318+90.16	184.36 RT	318+95.98	190.11 RT	UT-A-10															9		
SR-37 (1800 North)	318+95.98	190.11 RT	318+96.37	201.36 RT	UT-A-10															12		
SR-37 (1800 North)	319+13.40	48.14 LT	319+13.40	48.14 LT	UT-A-10						1											
SR-37 (1800 North)	319+19.52	147.41 LT	319+19.52	147.41 LT	UT-A-10						1											
SR-37 (1800 North)	319+36.34	82.17 RT	319+37.04	95.18 RT	UT-A-10															14		
SR-37 (1800 North)	320+21.65	80.85 RT	320+26.71	80.69 RT	UT-A-11														6			
SR-37 (1800 North)	320+26.71	80.69 RT	322+06.05	75.09 RT	UT-A-11												180					
SUBTOTAL 3						0	0	0	1	0	11	0	0	0	0	0	180	0	6	172	1290	

DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-06.dgn

nweinkauf 16:30 8-JUL-2024 REGION 1

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY: NEW | QC CHECKED BY: KNC | DATE: 7/8/2024

APPROVED: PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER: S-I15-8(157)336 | PIN 15682

UTILITY SUMMARY

SHEET NO. SMU-06

EXHIBIT B

CLINTON - CULINARY WATER SUMMARY (4 OF 4)

ALIGNMENT	FROM STATION STA.	FROM STATION OFF.	TO STATION STA.	TO STATION OFF.	SHEET	RECONSTRUCT 2 MG TANK OVERFLOW LINE (CLINTON)	RECONSTRUCT 3.5 MG TANK OVERFLOW LINE (CLINTON)	RECONSTRUCT VALVE BOX (CLINTON)	SAMPLING STATION ASSEMBLY (CLINTON)	TANKS DRAIN OUTLET STRUCTURE (CLINTON)	WATER METER BOX AND SETTER - 3/4 INCH (CLINTON)	WATER METER BOX AND SETTER - 1 INCH (CLINTON)	WATER METER BOX AND SETTER - 1 1/2 INCH (CLINTON)	WATER METER BOX AND SETTER - 2 INCH (CLINTON)	24 INCH STEEL CASING (I-15 CROSSING, OPEN TRENCH) (CLINTON)	30 INCH STEEL CASING AND CULINARY PIPE - 24 INCH, DR 11 HDPE PRESSURE (D&W CANAL CROSSING, OPEN TRENCH) (CLINTON)	30 INCH STEEL CASING AND CULINARY PIPE - 24 INCH, DR 11 HDPE PRESSURE (RR CROSSING) (CLINTON)	CONDUIT - 2 INCH (CLINTON)	CULINARY PIPE - 24 INCH, (IPS) DR11 HDPE, PRESSURIZED (CLINTON)	CULINARY PIPE AND FITTINGS - 10 INCH (CLINTON)	CULINARY PIPE AND FITTINGS - 12 INCH (CLINTON)	REMARKS
						EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	LF	LF	LF	LF	LF	LF	LF	
SR-37 (1800 North)	322+06.05	75.09 RT	328+00.00	75.14 RT	UT-A-11														599			
SR-37 (1800 North)	328+00.00	75.14 RT	336+00.00	68.50 RT	UT-A-12														802			
SR-37 (1800 North)	336+00.00	68.50 RT	344+00.00	77.00 RT	UT-A-13														804			
SR-37 (1800 North)	344+00.00	77.00 RT	350+72.98	77.46 RT	UT-A-14														672			
SR-37 (1800 North)	346+63.18	89.07 LT	346+63.21	72.50 RT	UT-A-14													162				
SR-37 (1800 North)	346+63.21	72.50 RT	346+63.20	90.07 LT	UT-A-14													163				
SR-37 (1800 North)	346+63.21	72.50 RT	346+84.34	127.79 RT	UT-A-14													72				
SR-37 (1800 North)	346+85.05	75.60 RT	352+00.00	73.72 RT	UT-A-14													512				
SR-37 (1800 North)	346+85.32	125.20 RT	346+85.05	75.60 RT	UT-A-14													53				
SR-37 (1800 North)	346+85.43	80.71 RT	346+63.21	72.50 RT	UT-A-14													25				
SR-37 (1800 North)	346+85.64	127.77 RT	346+85.43	80.71 RT	UT-A-14													48				
SR-37 (1800 North)	346+86.41	76.93 RT	346+86.57	113.19 RT	UT-A-14																37	
SR-37 (1800 North)	350+72.98	77.46 RT	351+03.30	77.17 RT	UT-A-14											30						
SR-37 (1800 North)	351+03.30	77.17 RT	352+00.00	75.42 RT	UT-A-14														96			
SR-37 (1800 North)	352+00.00	73.72 RT	358+03.01	76.79 RT	UT-A-15													601				
SR-37 (1800 North)	352+00.01	75.42 RT	358+03.71	78.67 RT	UT-A-15														602			
SR-37 (1800 North)	358+03.01	76.79 RT	358+79.87	02.52 RT	UT-A-15													107				
SR-37 (1800 North)	358+03.71	78.67 RT	358+81.76	03.19 RT	UT-A-15														109			
SR-37 (1800 North)	358+79.87	02.52 RT	358+75.63	200.00 LT	UT-A-15													203				
SR-37 (1800 North)	358+81.76	03.19 RT	358+77.51	200.00 LT	UT-A-15														204			
SUBTOTAL 4						**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**30**	**0**	**1946**	**3888**	**0**	**37**	
SUBTOTAL 3						0	0	0	1	0	11	0	0	0	0	0	180	0	6	172	1290	
SUBTOTAL 2						0	0	0	1	0	16	1	2	1	0	0	0	0	0	184	344	
SUBTOTAL 1						1	1	1	1	1	8	1	0	2	332	0	0	14	7	355	1916	
TOTAL						**1**	**1**	**1**	**3**	**1**	**35**	**2**	**2**	**3**	**332**	**30**	**180**	**1960**	**3901**	**711**	**3587**	

REVISIONS

NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY: NEW

QC CHECKED BY: KNC

APPROVED

PROFESSIONAL ENGINEER

DATE: 7/8/2024

PROJECT: I-15; 1800 NORTH INTERCHANGE

PIN: 15682

PROJECT NUMBER: S-I15-8(157)336

UTILITY SUMMARY

SHEET NO. SMU-07

EXHIBIT B

CLINTON - CULINARY WATER SUMMARY (1 OF 5)

ALIGNMENT	FROM STATION STA.	FROM STATION OFF.	TO STATION STA.	TO STATION OFF.	SHEET	CULINARY PIPE AND FITTINGS - 14 INCH (CLINTON) LF	CULINARY PIPE AND FITTINGS - 16 INCH (CLINTON) LF	CULINARY PIPE AND FITTINGS - 20 INCH (CLINTON) LF	CULINARY PIPE AND FITTINGS - 6 INCH (CLINTON) LF	CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) LF	30 INCH STEEL CASING AND CULINARY PIPE - 20 INCH, CLASS 250 DI PRESSURE (D&RG TRAIL CROSSING, OPEN TRENCH) (CLINTON) LF	WATER SERVICE - 3/4 INCH (CLINTON) LF	WATER SERVICE - 1 INCH, IN 3 INCH SLEEVE (CLINTON) LF	WATER SERVICE - 1 1/2 INCH, (CLINTON) LF	WATER SERVICE - 1 1/2 INCH, IN 4 INCH SLEEVE (CLINTON) LF	WATER SERVICE - 2 INCH (CLINTON) LF	WATER SERVICE - 2 INCH, IN 4 INCH SLEEVE (CLINTON) LF	REMARKS
Ramp B	113+91.96	68.83 LT	114+01.42	46.63 RT	UT-A-38					116								
Ramp B	114+01.42	46.63 RT	114+62.69	34.99 RT	UT-A-38					53								
Ramp D	202+23.72	174.45 RT	202+21.76	175.11 RT	UT-A-42					4								
Ramp D	202+25.03	164.88 RT	202+28.90	163.75 RT	UT-A-42			7										
Ramp D	202+26.36	167.56 RT	202+23.72	174.45 RT	UT-A-42					9								
Ramp D	202+26.82	175.43 RT	202+21.95	178.24 RT	UT-A-42			10										
Ramp D	202+29.16	166.72 RT	202+26.36	167.56 RT	UT-A-42					6								
Ramp D	203+64.36	168.26 RT	202+29.50	174.36 RT	UT-A-42		166											
Ramp D	203+49.10	146.89 RT	203+48.01	145.85 RT	UT-A-42					2								
Ramp D	203+48.01	145.85 RT	202+20.25	152.30 RT	UT-A-42					161								
SR-37 (1800 North)	249+28.55	49.64 RT	249+28.55	60.33 LT	UT-A-02					110								
SR-37 (1800 North)	249+28.55	60.33 LT	249+33.56	72.40 LT	UT-A-02					14								
SR-37 (1800 North)	249+33.56	72.40 LT	249+33.56	91.82 LT	UT-A-02					20								
SR-37 (1800 North)	252+04.14	52.57 RT	252+04.93	54.00 LT	UT-A-02								107					
SR-37 (1800 North)	255+09.29	47.39 LT	255+12.88	47.57 LT	UT-A-02											4		
SR-37 (1800 North)	255+12.54	54.13 LT	255+13.03	56.07 LT	UT-A-02					2								
SR-37 (1800 North)	255+12.54	54.13 LT	255+17.89	51.14 RT	UT-A-02					106								
SR-37 (1800 North)	255+16.84	112.53 RT	255+17.42	124.51 RT	UT-A-02					12								
SR-37 (1800 North)	255+16.84	112.53 RT	255+20.78	108.17 RT	UT-A-02					6								
SR-37 (1800 North)	255+16.95	114.52 RT	255+17.06	116.52 RT	UT-A-02				2									
SR-37 (1800 North)	255+17.89	51.14 RT	255+20.78	108.17 RT	UT-A-02					58								
SR-37 (1800 North)	257+34.29	67.71 LT	257+34.36	65.72 LT	UT-A-03					2								
SR-37 (1800 North)	257+34.36	65.72 LT	257+36.63	63.38 LT	UT-A-03					4								
SR-37 (1800 North)	257+35.06	48.50 RT	257+36.58	59.38 LT	UT-A-03					108								
SR-37 (1800 North)	257+36.58	59.38 LT	257+36.63	63.38 LT	UT-A-03					4								
SR-37 (1800 North)	261+24.43	52.17 RT	261+24.45	47.50 RT	UT-A-03							5						
SR-37 (1800 North)	261+86.37	52.15 RT	261+86.40	47.50 RT	UT-A-03							5						
SR-37 (1800 North)	262+67.41	47.49 RT	262+67.47	52.12 RT	UT-A-03							5						
SR-37 (1800 North)	263+47.24	47.81 RT	263+47.24	52.00 RT	UT-A-03							5						
SR-37 (1800 North)	264+98.96	47.50 RT	264+98.96	52.00 RT	UT-A-04							5						
SR-37 (1800 North)	266+55.58	48.07 RT	266+55.58	52.00 RT	UT-A-04							4						
SR-37 (1800 North)	267+03.00	48.11 RT	267+03.00	52.00 RT	UT-A-04							4						
SR-37 (1800 North)	268+28.00	51.86 RT	268+30.00	51.87 RT	UT-A-04		2											
SR-37 (1800 North)	268+30.00	51.87 RT	272+00.00	52.00 RT	UT-A-04		370											
SUBTOTAL 1						0	538	17	2	797	0	33	107	0	0	4	0	

DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-08.dgn

nweinkauf 16:31 8-JUL-2024 REGION 1

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

APPROVED

PROFESSIONAL ENGINEER

DATE 7/8/2024

DRAWN BY NEW

QC CHECKED BY KNC

PROJECT: I-15; 1800 NORTH INTERCHANGE

PIN 15682

PROJECT NUMBER S-I15-8(157)336

UTILITY SUMMARY

SHEET NO. SMU-08

EXHIBIT B

CLINTON - CULINARY WATER SUMMARY (2 OF 5)

ALIGNMENT	FROM STATION		TO STATION		SHEET	CULINARY PIPE AND FITTINGS - 14 INCH (CLINTON)	CULINARY PIPE AND FITTINGS - 16 INCH (CLINTON)	CULINARY PIPE AND FITTINGS - 20 INCH (CLINTON)	CULINARY PIPE AND FITTINGS - 6 INCH (CLINTON)	CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON)	30 INCH STEEL CASING AND CULINARY PIPE - 20 INCH, CLASS 250 DI PRESSURE (D&RG TRAIL CROSSING, OPEN TRENCH) (CLINTON)	WATER SERVICE - 3/4 INCH (CLINTON)	WATER SERVICE - 1 INCH, IN 3 INCH SLEEVE (CLINTON)	WATER SERVICE - 1 1/2 INCH, (CLINTON)	WATER SERVICE - 1 1/2 INCH, IN 4 INCH SLEEVE (CLINTON)	WATER SERVICE - 2 INCH (CLINTON)	WATER SERVICE - 2 INCH, IN 4 INCH SLEEVE (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	
SR-37 (1800 North)	270+17.07	52.15 RT	270+17.07	47.85 RT	UT-A-04							5						
SR-37 (1800 North)	270+53.95	47.54 LT	270+58.78	52.18 RT	UT-A-04												100	
SR-37 (1800 North)	271+01.85	47.97 RT	271+01.88	52.09 RT	UT-A-04							5						
SR-37 (1800 North)	272+00.00	52.00 RT	272+99.86	52.00 RT	UT-A-05		100											
SR-37 (1800 North)	272+99.86	52.00 RT	273+01.05	71.66 RT	UT-A-05					20								
SR-37 (1800 North)	272+99.86	52.00 RT	278+89.48	52.00 RT	UT-A-05		590											
SR-37 (1800 North)	273+00.88	68.96 RT	273+22.46	67.92 RT	UT-A-05									22				
SR-37 (1800 North)	273+01.05	71.66 RT	273+01.65	81.61 RT	UT-A-05					10								
SR-37 (1800 North)	273+01.65	81.61 RT	273+05.87	85.36 RT	UT-A-05					6								
SR-37 (1800 North)	273+05.87	85.36 RT	273+06.55	96.67 RT	UT-A-05					12								
SR-37 (1800 North)	273+06.55	96.67 RT	273+06.68	98.81 RT	UT-A-05				3									
SR-37 (1800 North)	273+49.66	47.50 LT	273+53.66	52.00 RT	UT-A-05								100					
SR-37 (1800 North)	275+07.69	47.50 LT	275+07.69	52.00 RT	UT-A-05								100					
SR-37 (1800 North)	275+75.01	52.00 RT	275+75.01	47.50 RT	UT-A-05							5						
SR-37 (1800 North)	276+83.27	47.50 LT	276+83.27	52.00 RT	UT-A-05								100					
SR-37 (1800 North)	277+07.99	52.00 RT	277+07.99	47.50 RT	UT-A-05							5						
SR-37 (1800 North)	277+96.94	52.00 RT	277+96.94	47.44 RT	UT-A-05							5						
SR-37 (1800 North)	278+16.89	47.50 LT	278+16.89	52.00 RT	UT-A-05								100					
SR-37 (1800 North)	278+89.48	52.00 RT	278+90.17	77.51 RT	UT-A-05					26								
SR-37 (1800 North)	278+89.48	52.00 RT	280+00.00	52.09 RT	UT-A-05		111											
SR-37 (1800 North)	278+90.17	77.51 RT	278+92.36	83.12 RT	UT-A-05					7								
SR-37 (1800 North)	278+92.15	93.12 RT	278+92.11	95.12 RT	UT-A-05				2									
SR-37 (1800 North)	278+92.36	83.12 RT	278+92.15	93.12 RT	UT-A-05					11								
SR-37 (1800 North)	279+02.00	47.50 LT	279+02.00	52.01 RT	UT-A-05								100					
SR-37 (1800 North)	279+83.77	47.50 LT	279+83.77	52.08 RT	UT-A-05								100					
SR-37 (1800 North)	280+00.00	52.09 RT	282+90.24	52.36 RT	UT-A-06		291											
SR-37 (1800 North)	281+20.55	47.50 LT	281+20.55	52.19 RT	UT-A-06								100					
SR-37 (1800 North)	282+10.29	47.28 LT	282+10.29	52.26 RT	UT-A-06								100					
SR-37 (1800 North)	282+18.12	47.43 LT	282+18.12	52.27 RT	UT-A-06								100					
SR-37 (1800 North)	282+87.46	110.67 RT	282+87.66	116.35 RT	UT-A-06					6								
SR-37 (1800 North)	282+87.46	110.67 RT	282+91.19	106.73 RT	UT-A-06					6								
SR-37 (1800 North)	282+87.66	116.35 RT	282+87.72	117.85 RT	UT-A-06					2								
SR-37 (1800 North)	282+87.72	117.85 RT	282+87.78	119.35 RT	UT-A-06				2									
SR-37 (1800 North)	282+90.24	52.36 RT	282+91.19	106.73 RT	UT-A-06					55								
SUBTOTAL 2						0	1092	0	7	161	0	25	900	22	0	0	100	

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED ______ PROFESSIONAL ENGINEER ______ 7/8/2024 DATE

DRAWN BY NEW
QC CHECKED BY KNC

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN 15682
UTILITY SUMMARY

SHEET NO. SMU-09

EXHIBIT B

CLINTON - CULINARY WATER SUMMARY (3 OF 5)

ALIGNMENT	FROM STATION STA.	FROM STATION OFF.	TO STATION STA.	TO STATION OFF.	SHEET	CULINARY PIPE AND FITTINGS - 14 INCH (CLINTON) LF	CULINARY PIPE AND FITTINGS - 16 INCH (CLINTON) LF	CULINARY PIPE AND FITTINGS - 20 INCH (CLINTON) LF	CULINARY PIPE AND FITTINGS - 6 INCH (CLINTON) LF	CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) LF	30 INCH STEEL CASING AND CULINARY PIPE - 20 INCH, CLASS 250 DI PRESSURE (D&RG TRAIL CROSSING, OPEN TRENCH) (CLINTON) LF	WATER SERVICE - 3/4 INCH (CLINTON) LF	WATER SERVICE - 1 INCH, IN 3 INCH SLEEVE (CLINTON) LF	WATER SERVICE - 1 1/2 INCH, (CLINTON) LF	WATER SERVICE - 1 1/2 INCH, IN 4 INCH SLEEVE (CLINTON) LF	WATER SERVICE - 2 INCH (CLINTON) LF	WATER SERVICE - 2 INCH, IN 4 INCH SLEEVE (CLINTON) LF	REMARKS
SR-37 (1800 North)	282+90.32	52.36 RT	284+24.26	52.00 RT	UT-A-06		135											
SR-37 (1800 North)	284+24.26	52.00 RT	287+86.31	52.15 RT	UT-A-06		362											
SR-37 (1800 North)	284+31.27	113.46 LT	284+30.10	108.44 LT	UT-A-06				6									
SR-37 (1800 North)	286+40.93	47.51 LT	286+41.81	52.17 RT	UT-A-06								100					
SR-37 (1800 North)	287+34.72	52.24 RT	287+39.02	47.51 LT	UT-A-06								100					
SR-37 (1800 North)	287+86.31	52.15 RT	288+00.00	52.07 RT	UT-A-06		14											
SR-37 (1800 North)	288+00.00	52.07 RT	288+01.15	52.06 RT	UT-A-07		2											
SR-37 (1800 North)	288+01.15	52.06 RT	293+15.42	51.99 RT	UT-A-07		515											
SR-37 (1800 North)	288+61.39	47.50 LT	288+63.48	52.09 RT	UT-A-07								100					
SR-37 (1800 North)	290+10.38	47.50 LT	290+08.49	51.78 RT	UT-A-07								100					
SR-37 (1800 North)	290+47.23	58.50 RT	290+47.25	51.82 RT	UT-A-07					18								
SR-37 (1800 North)	291+50.42	47.50 LT	291+51.06	51.94 RT	UT-A-07										100			
SR-37 (1800 North)	293+15.42	51.99 RT	293+37.24	51.99 RT	UT-A-07		22											
SR-37 (1800 North)	293+37.24	51.99 RT	293+43.97	58.72 RT	UT-A-07		10											
SR-37 (1800 North)	293+42.28	47.51 LT	293+30.85	51.99 RT	UT-A-07										101			
SR-37 (1800 North)	293+71.94	58.54 RT	294+62.78	56.55 RT	UT-A-07		91											
SR-37 (1800 North)	294+46.38	155.54 LT	294+46.46	153.56 LT	UT-A-07	2												
SR-37 (1800 North)	294+72.13	56.36 RT	295+47.54	54.73 RT	UT-A-07						76							
SR-37 (1800 North)	294+62.78	56.55 RT	294+72.13	56.36 RT	UT-A-07			10										
SR-37 (1800 North)	295+47.54	54.73 RT	296+00.00	53.59 RT	UT-A-07			53										
SR-37 (1800 North)	294+69.84	171.69 RT	294+69.85	169.69 RT	UT-A-07	2												
SR-37 (1800 North)	296+00.00	53.59 RT	298+48.99	52.98 RT	UT-A-08			252										
SR-37 (1800 North)	298+41.09	104.00 RT	298+42.15	79.61 RT	UT-A-08					25								
SR-37 (1800 North)	298+42.15	79.61 RT	298+48.71	72.98 RT	UT-A-08					10								
SR-37 (1800 North)	298+48.71	72.98 RT	298+48.99	52.98 RT	UT-A-08					20								
SR-37 (1800 North)	298+48.99	52.98 RT	298+58.21	53.03 RT	UT-A-08			10										
SR-37 (1800 North)	298+55.00	77.00 LT	298+55.39	86.03 LT	UT-A-08					10								
SR-37 (1800 North)	298+55.00	77.00 LT	298+62.60	69.46 LT	UT-A-08					11								
SR-37 (1800 North)	298+55.39	86.03 LT	298+58.87	157.16 LT	UT-A-08					72								
SR-37 (1800 North)	298+58.21	53.03 RT	298+62.60	69.46 LT	UT-A-08					123								
SR-37 (1800 North)	298+58.21	53.03 RT	304+00.00	61.94 RT	UT-A-08			545										
SUBTOTAL 3						**4**	**1151**	**870**	**6**	**289**	**76**	**0**	**400**	**0**	**201**	**0**	**0**	

REGION 1 8-JUL-2024 16:31 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-10.dgn

REVISIONS
NO. DATE APPROVED BY REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
APPROVED
PROFESSIONAL ENGINEER
7/8/2024
DATE
DRAWN BY NEW
QC CHECKED BY KNC

PROJECT I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
UTILITY SUMMARY
SHEET NO. SMU-10

EXHIBIT B

DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-11.dgn

nweinkauf 16:31 8-JUL-2024 REGION 1

CLINTON - CULINARY WATER SUMMARY (4 OF 5)

ALIGNMENT	FROM STATION		TO STATION		SHEET	CULINARY PIPE AND FITTINGS - 14 INCH (CLINTON)	CULINARY PIPE AND FITTINGS - 16 INCH (CLINTON)	CULINARY PIPE AND FITTINGS - 20 INCH (CLINTON)	CULINARY PIPE AND FITTINGS - 6 INCH (CLINTON)	CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON)	30 INCH STEEL CASING AND CULINARY PIPE - 20 INCH, CLASS 250 DI PRESSURE (D&RG TRAIL CROSSING, OPEN TRENCH) (CLINTON)	WATER SERVICE - 3/4 INCH (CLINTON)	WATER SERVICE - 1 INCH, IN 3 INCH SLEEVE (CLINTON)	WATER SERVICE - 1 1/2 INCH, (CLINTON)	WATER SERVICE - 1 1/2 INCH, IN 4 INCH SLEEVE (CLINTON)	WATER SERVICE - 2 INCH (CLINTON)	WATER SERVICE - 2 INCH, IN 4 INCH SLEEVE (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	
SR-37 (1800 North)	304+00.00	61.94 RT	304+67.48	67.85 RT	UT-A-09			68										
SR-37 (1800 North)	304+67.31	69.84 RT	304+67.48	67.85 RT	UT-A-09		2											
SR-37 (1800 North)	304+67.48	67.85 RT	304+85.98	161.42 LT	UT-A-09		231											
SR-37 (1800 North)	304+67.48	67.85 RT	309+31.45	86.95 RT	UT-A-09			459										
SR-37 (1800 North)	304+84.79	208.46 LT	304+85.21	213.44 LT	UT-A-09					5								
SR-37 (1800 North)	304+84.79	208.46 LT	304+89.20	203.19 LT	UT-A-09					7								
SR-37 (1800 North)	304+85.98	161.42 LT	304+86.13	163.41 LT	UT-A-09		2											
SR-37 (1800 North)	304+86.13	163.41 LT	304+88.82	198.30 LT	UT-A-09					35								
SR-37 (1800 North)	304+88.82	198.30 LT	304+89.20	203.19 LT	UT-A-09					5								
SR-37 (1800 North)	305+85.36	118.51 LT	305+93.84	136.59 LT	UT-A-09							21						
SR-37 (1800 North)	306+54.86	90.41 RT	306+55.25	80.01 RT	UT-A-09							11						
SR-37 (1800 North)	307+33.14	93.62 RT	307+33.45	83.35 RT	UT-A-09							11						
SR-37 (1800 North)	309+02.58	152.53 RT	309+45.23	152.51 RT	UT-A-09							42						
SR-37 (1800 North)	309+31.45	86.95 RT	309+31.66	97.03 RT	UT-A-09					11								
SR-37 (1800 North)	309+31.45	86.95 RT	312+00.00	81.31 RT	UT-A-09			269										
SR-37 (1800 North)	309+31.66	97.03 RT	309+41.24	145.25 RT	UT-A-09					50								
SR-37 (1800 North)	309+41.24	145.25 RT	309+42.03	149.17 RT	UT-A-09					4								
SR-37 (1800 North)	309+42.03	149.17 RT	309+43.17	150.84 RT	UT-A-09					2								
SR-37 (1800 North)	309+43.17	150.84 RT	309+48.02	154.76 RT	UT-A-09					7								
SR-37 (1800 North)	309+48.02	154.76 RT	309+48.12	158.75 RT	UT-A-09					4								
SR-37 (1800 North)	311+80.92	81.46 RT	311+81.15	91.54 RT	UT-A-09							11						
SR-37 (1800 North)	312+00.00	81.31 RT	312+54.71	80.86 RT	UT-A-10			55										
SR-37 (1800 North)	312+54.71	80.86 RT	312+54.89	104.10 RT	UT-A-10					24								
SR-37 (1800 North)	312+54.71	80.86 RT	314+69.39	80.90 RT	UT-A-10			215										
SR-37 (1800 North)	312+54.89	104.10 RT	312+71.03	142.19 RT	UT-A-10					42								
SR-37 (1800 North)	312+71.13	146.54 RT	312+71.15	144.54 RT	UT-A-10				2									
SR-37 (1800 North)	312+71.15	144.54 RT	312+71.18	142.54 RT	UT-A-10					2								
SR-37 (1800 North)	313+33.55	80.56 RT	313+33.58	89.75 RT	UT-A-10							10						
SR-37 (1800 North)	314+15.32	89.75 RT	314+15.32	80.76 RT	UT-A-10							9						
SR-37 (1800 North)	314+69.39	80.90 RT	315+35.49	94.46 RT	UT-A-10			67										
SR-37 (1800 North)	314+79.45	89.75 RT	314+79.50	83.04 RT	UT-A-10							7						
SR-37 (1800 North)	315+35.49	94.46 RT	318+85.58	90.02 RT	UT-A-10			347										
SR-37 (1800 North)	315+61.31	89.75 RT	315+61.31	94.48 RT	UT-A-10							5						
SR-37 (1800 North)	315+80.52	78.72 LT	318+87.97	77.45 LT	UT-A-10		311											
SUBTOTAL 4						**0**	**546**	**1480**	**2**	**198**	**0**	**127**	**0**	**0**	**0**	**0**	**0**	

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

APPROVED

PROFESSIONAL ENGINEER

7/8/2024
DATE

DRAWN BY NEW

QC CHECKED BY KNC

PROJECT I-15; 1800 NORTH INTERCHANGE

PIN 15682

PROJECT NUMBER S-I15-8(157)336

UTILITY SUMMARY

SHEET NO. SMU-11

EXHIBIT B

CLINTON - CULINARY WATER SUMMARY (5 OF 5)

ALIGNMENT	FROM STATION STA.	FROM STATION OFF.	TO STATION STA.	TO STATION OFF.	SHEET	CULINARY PIPE AND FITTINGS - 14 INCH (CLINTON) LF	CULINARY PIPE AND FITTINGS - 16 INCH (CLINTON) LF	CULINARY PIPE AND FITTINGS - 20 INCH (CLINTON) LF	CULINARY PIPE AND FITTINGS - 6 INCH (CLINTON) LF	CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) LF	30 INCH STEEL CASING AND CULINARY PIPE - 20 INCH, CLASS 250 DI PRESSURE (D&RG TRAIL CROSSING, OPEN TRENCH) (CLINTON) LF	WATER SERVICE - 3/4 INCH (CLINTON) LF	WATER SERVICE - 1 INCH, IN 3 INCH SLEEVE (CLINTON) LF	WATER SERVICE - 1 1/2 INCH, (CLINTON) LF	WATER SERVICE - 1 1/2 INCH, IN 4 INCH SLEEVE (CLINTON) LF	WATER SERVICE - 2 INCH (CLINTON) LF	WATER SERVICE - 2 INCH, IN 4 INCH SLEEVE (CLINTON) LF	REMARKS
SR-37 (1800 North)	316+35.88	94.06 RT	316+35.93	89.75 RT	UT-A-10							5						
SR-37 (1800 North)	317+19.99	89.75 RT	317+20.00	94.50 RT	UT-A-10							5						
SR-37 (1800 North)	318+62.25	130.24 RT	318+87.46	129.21 RT	UT-A-10							26						
SR-37 (1800 North)	318+85.45	87.52 RT	318+85.56	89.54 RT	UT-A-10		3											
SR-37 (1800 North)	318+85.45	87.52 RT	318+87.97	77.45 LT	UT-A-10		166											
SR-37 (1800 North)	318+85.58	90.02 RT	319+05.07	88.72 RT	UT-A-10			20										
SR-37 (1800 North)	318+87.97	77.45 LT	318+88.02	79.45 LT	UT-A-10		2											
SR-37 (1800 North)	318+88.02	79.45 LT	318+88.60	99.30 LT	UT-A-10					20								
SR-37 (1800 North)	318+88.60	99.30 LT	318+98.63	109.35 LT	UT-A-10					15								
SR-37 (1800 North)	318+94.88	145.99 LT	319+19.52	147.41 LT	UT-A-10							21						
SR-37 (1800 North)	318+98.63	109.35 LT	318+99.49	177.81 LT	UT-A-10					69								
SR-37 (1800 North)	319+00.37	112.72 LT	319+00.43	114.72 LT	UT-A-10				2									
SR-37 (1800 North)	319+05.07	88.72 RT	319+27.77	82.61 RT	UT-A-10			24										
SR-37 (1800 North)	319+13.40	48.14 LT	318+86.72	49.37 LT	UT-A-10							27						
SR-37 (1800 North)	319+27.77	82.61 RT	319+36.34	82.17 RT	UT-A-10			9										
SR-37 (1800 North)	319+36.34	82.17 RT	319+57.18	81.09 RT	UT-A-10			21										
SR-37 (1800 North)	319+57.18	81.09 RT	319+61.30	80.87 RT	UT-A-10			5										
SR-37 (1800 North)	319+61.30	80.87 RT	319+71.91	82.42 RT	UT-A-10			11										
SR-37 (1800 North)	319+71.91	82.42 RT	320+00.00	81.53 RT	UT-A-10			29										
SR-37 (1800 North)	320+00.00	81.53 RT	320+21.65	80.85 RT	UT-A-11			22										
SR-37 (1800 North)	346+86.57	113.19 RT	346+86.58	115.19 RT	UT-A-14					2								
SR-37 (1800 North)	353+75.78	201.54 RT	353+77.22	86.52 RT	UT-A-15					116								
SR-37 (1800 North)	353+77.22	86.52 RT	358+08.37	88.07 RT	UT-A-15					431								
SR-37 (1800 North)	358+08.37	88.07 RT	358+93.77	05.48 RT	UT-A-15					119								
SR-37 (1800 North)	358+63.59	200.00 LT	358+63.81	197.40 LT	UT-A-15					3								
SR-37 (1800 North)	358+63.81	197.40 LT	358+84.02	179.97 LT	UT-A-15					27								
SR-37 (1800 North)	358+84.02	179.97 LT	358+88.01	180.27 LT	UT-A-15					4								
SR-37 (1800 North)	358+89.71	200.00 LT	359+14.02	78.00 LT	UT-A-15			125										
SR-37 (1800 North)	358+93.77	05.48 RT	358+93.77	101.98 LT	UT-A-15					108								
SR-37 (1800 North)	358+93.77	101.98 LT	358+86.56	200.00 LT	UT-A-15					99								
SUBTOTAL 5						**0**	**171**	**266**	**2**	**1013**	**0**	**84**	**0**	**0**	**0**	**0**	**0**	
SUBTOTAL 4						0	546	1480	2	198	0	127	0	0	0	0	0	
SUBTOTAL 3						4	1151	870	6	289	76	0	400	0	201	0	0	
SUBTOTAL 2						0	1092	0	7	161	0	25	900	22	0	0	100	
SUBTOTAL 1						0	538	17	2	797	0	33	107	0	0	4	0	
TOTAL						**4**	**3498**	**2633**	**19**	**2458**	**76**	**269**	**1407**	**22**	**201**	**4**	**100**	

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
DRAWN BY NEW
QC CHECKED BY KNC
7/8/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER: S-I15-8(157)336
UTILITY SUMMARY

SHEET NO. SMU-12

EXHIBIT B

FOR INFORMATION ONLY - 6 INCH PIPE AND FITTING (CLINTON) (1 OF 1)

ALIGNMENT	FROM STATION		TO STATION		SHEET	PIPE COUPLING - 6 INCH (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	
SR-37 (1800 North)	255+17.42	124.51 RT	255+17.42	124.51 RT	UT-A-02	1	
SR-37 (1800 North)	273+06.68	98.81 RT	273+06.68	98.81 RT	UT-A-05	1	
SR-37 (1800 North)	278+92.11	95.12 RT	278+92.11	95.12 RT	UT-A-05	1	
SR-37 (1800 North)	282+87.78	119.35 RT	282+87.78	119.35 RT	UT-A-06	1	
SR-37 (1800 North)	284+31.27	113.46 LT	284+31.27	113.46 LT	UT-A-06	1	
SR-37 (1800 North)	312+71.13	146.54 RT	312+71.13	146.54 RT	UT-A-10	1	
SR-37 (1800 North)	318+99.49	177.81 LT	318+99.49	177.81 LT	UT-A-10	1	
TOTAL						7	

REGION 1 8-JUL-2024 16:31 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-56.dgn

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY NEW

QC CHECKED BY KNC

APPROVED

PROFESSIONAL ENGINEER 7/8/2024 DATE

PROJECT I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER S-I15-8(157)336 PIN 15682

UTILITY SUMMARY

SHEET NO. SMU-56

EXHIBIT B

FOR INFORMATION ONLY - 8 INCH PIPE AND FITTING (CLINTON) (1 OF 3)

ALIGNMENT	FROM STATION STA.	FROM STATION OFF.	TO STATION STA.	TO STATION OFF.	SHEET	11.25 DEG FITTING - 8 INCH (CLINTON) EACH	22.5 DEG FITTING - 8 INCH (CLINTON) EACH	45 DEG FITTING - 8 INCH (CLINTON) EACH	90 DEG FITTING - 8 INCH (CLINTON) EACH	PIPE COUPLING - 8 INCH (CLINTON) EACH	REDUCER FITTING - 8 X 4 INCH (CLINTON) EACH	REDUCER FITTING - 8 X 6 INCH (CLINTON) EACH	TEE FITTING - 8 X 8 X 6 INCH (CLINTON) EACH	TEE FITTING - 8 X 8 X 8 INCH (CLINTON) EACH	REMARKS
Ramp B	114+01.42	46.63 RT	114+01.42	46.63 RT	UT-A-38				1						
Ramp D	202+23.72	174.45 RT	202+23.72	174.45 RT	UT-A-42			1							
Ramp D	202+26.36	167.56 RT	202+26.36	167.56 RT	UT-A-42			1							
Ramp D	202+29.16	166.72 RT	202+29.16	166.72 RT	UT-A-42					1					
Ramp D	203+48.01	145.85 RT	203+48.01	145.85 RT	UT-A-42			1							
Ramp D	203+49.10	146.89 RT	203+49.10	146.89 RT	UT-A-42					1					
Ramp D	203+49.10	146.89 RT	203+49.10	146.89 RT	UT-A-42	1									
SR-37 (1800 North)	249+28.55	60.33 LT	249+28.55	60.33 LT	UT-A-02		1								
SR-37 (1800 North)	249+33.56	72.40 LT	249+33.56	72.40 LT	UT-A-02		1								
SR-37 (1800 North)	249+33.56	91.82 LT	249+33.56	91.82 LT	UT-A-02					1					
SR-37 (1800 North)	255+12.54	54.13 LT	255+12.54	54.13 LT	UT-A-02		1								
SR-37 (1800 North)	255+13.03	56.07 LT	255+13.03	56.07 LT	UT-A-02					1					
SR-37 (1800 North)	255+13.49	35.44 LT	255+13.49	35.44 LT	UT-A-02	1									
SR-37 (1800 North)	255+13.52	58.01 LT	255+13.52	58.01 LT	UT-A-02						1				
SR-37 (1800 North)	255+13.81	29.14 LT	255+13.81	29.14 LT	UT-A-02	1									
SR-37 (1800 North)	255+16.84	112.53 RT	255+16.84	112.53 RT	UT-A-02			1							
SR-37 (1800 North)	255+17.31	122.51 RT	255+17.31	122.51 RT	UT-A-02							1			
SR-37 (1800 North)	255+17.68	47.17 RT	255+17.68	47.17 RT	UT-A-02		1								
SR-37 (1800 North)	255+17.80	49.44 RT	255+17.80	49.44 RT	UT-A-02		1								
SR-37 (1800 North)	255+18.73	67.72 RT	255+18.73	67.72 RT	UT-A-02								1		
SR-37 (1800 North)	255+20.78	108.17 RT	255+20.78	108.17 RT	UT-A-02			1							
SR-37 (1800 North)	257+34.29	67.71 LT	257+34.29	67.71 LT	UT-A-03					1					
SR-37 (1800 North)	257+34.36	65.72 LT	257+34.36	65.72 LT	UT-A-03			1							
SR-37 (1800 North)	257+36.39	46.31 LT	257+36.39	46.31 LT	UT-A-03			1							
SR-37 (1800 North)	257+36.45	50.30 LT	257+36.45	50.30 LT	UT-A-03			1							
SR-37 (1800 North)	257+36.58	59.38 LT	257+36.58	59.38 LT	UT-A-03								1		
SR-37 (1800 North)	257+36.63	63.38 LT	257+36.63	63.38 LT	UT-A-03			1							
SR-37 (1800 North)	273+01.05	71.66 RT	273+01.05	71.66 RT	UT-A-05								1		
SR-37 (1800 North)	273+01.65	81.61 RT	273+01.65	81.61 RT	UT-A-05			1							
SR-37 (1800 North)	273+05.87	85.36 RT	273+05.87	85.36 RT	UT-A-05			1							
SR-37 (1800 North)	273+06.56	96.81 RT	273+06.56	96.81 RT	UT-A-05							1			
SR-37 (1800 North)	278+90.17	77.51 RT	278+90.17	77.51 RT	UT-A-05		1								
SR-37 (1800 North)	278+92.15	93.12 RT	278+92.15	93.12 RT	UT-A-05							1			
SR-37 (1800 North)	278+92.36	83.12 RT	278+92.36	83.12 RT	UT-A-05		1								
SR-37 (1800 North)	282+87.46	110.67 RT	282+87.46	110.67 RT	UT-A-06			1							
SUBTOTAL 1						3	7	12	1	5	1	3	3	0	

REGION 1 8-JUL-2024 16:32 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-57.dgn

REVISIONS
NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
DRAWN BY NEW
QC CHECKED BY KNC
7/8/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER: S-I15-8(157)336
UTILITY SUMMARY
SHEET NO. SMU-57

EXHIBIT B

FOR INFORMATION ONLY - 8 INCH PIPE AND FITTING (CLINTON) (2 OF 3)

ALIGNMENT	FROM STATION		TO STATION		SHEET	11.25 DEG FITTING - 8 INCH (CLINTON)	22.5 DEG FITTING - 8 INCH (CLINTON)	45 DEG FITTING - 8 INCH (CLINTON)	90 DEG FITTING - 8 INCH (CLINTON)	PIPE COUPLING - 8 INCH (CLINTON)	REDUCER FITTING - 8 X 4 INCH (CLINTON)	REDUCER FITTING - 8 X 6 INCH (CLINTON)	TEE FITTING - 8 X 8 X 6 INCH (CLINTON)	TEE FITTING - 8 X 8 X 8 INCH (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
SR-37 (1800 North)	282+87.66	116.35 RT	282+87.66	116.35 RT	UT-A-06								1		
SR-37 (1800 North)	282+87.72	117.85 RT	282+87.72	117.85 RT	UT-A-06							1			
SR-37 (1800 North)	282+91.19	106.73 RT	282+91.19	106.73 RT	UT-A-06			1							
SR-37 (1800 North)	290+46.87	69.11 RT	290+46.87	69.11 RT	UT-A-07					1					
SR-37 (1800 North)	290+46.90	50.09 RT	290+46.90	50.09 RT	UT-A-07							1			
SR-37 (1800 North)	298+41.09	104.00 RT	298+41.09	104.00 RT	UT-A-08					1					
SR-37 (1800 North)	298+42.02	82.28 RT	298+42.02	82.28 RT	UT-A-08								1		
SR-37 (1800 North)	298+42.15	79.61 RT	298+42.15	79.61 RT	UT-A-08			1							
SR-37 (1800 North)	298+48.71	72.98 RT	298+48.71	72.98 RT	UT-A-08			1							
SR-37 (1800 North)	298+55.00	77.00 LT	298+55.00	77.00 LT	UT-A-08			1							
SR-37 (1800 North)	298+55.39	86.03 LT	298+55.39	86.03 LT	UT-A-08								1		
SR-37 (1800 North)	298+58.22	49.11 RT	298+58.22	49.11 RT	UT-A-08			1							
SR-37 (1800 North)	298+58.29	46.82 RT	298+58.29	46.82 RT	UT-A-08			1							
SR-37 (1800 North)	298+58.87	157.16 LT	298+58.87	157.16 LT	UT-A-08					1					
SR-37 (1800 North)	298+62.60	69.46 LT	298+62.60	69.46 LT	UT-A-08			1							
SR-37 (1800 North)	304+84.79	208.46 LT	304+84.79	208.46 LT	UT-A-09			1							
SR-37 (1800 North)	304+85.00	210.95 LT	304+85.00	210.95 LT	UT-A-09					1					
SR-37 (1800 North)	304+88.82	198.30 LT	304+88.82	198.30 LT	UT-A-09								1		
SR-37 (1800 North)	304+89.20	203.19 LT	304+89.20	203.19 LT	UT-A-09			1							
SR-37 (1800 North)	309+31.66	97.03 RT	309+31.66	97.03 RT	UT-A-09	1									
SR-37 (1800 North)	309+41.24	145.25 RT	309+41.24	145.25 RT	UT-A-09								1		
SR-37 (1800 North)	309+42.03	149.17 RT	309+42.03	149.17 RT	UT-A-09	1									
SR-37 (1800 North)	309+43.17	150.84 RT	309+43.17	150.84 RT	UT-A-09		1								
SR-37 (1800 North)	309+48.02	154.76 RT	309+48.02	154.76 RT	UT-A-09			1							
SR-37 (1800 North)	309+48.12	158.75 RT	309+48.12	158.75 RT	UT-A-09					1					
SR-37 (1800 North)	312+54.89	104.10 RT	312+54.89	104.10 RT	UT-A-10		1								
SR-37 (1800 North)	312+61.67	120.09 RT	312+61.67	120.09 RT	UT-A-10			1							
SR-37 (1800 North)	312+62.86	122.90 RT	312+62.86	122.90 RT	UT-A-10			1							
SR-37 (1800 North)	312+71.15	144.54 RT	312+71.15	144.54 RT	UT-A-10							1			
SR-37 (1800 North)	312+71.18	142.54 RT	312+71.18	142.54 RT	UT-A-10		1								
SR-37 (1800 North)	318+88.60	99.30 LT	318+88.60	99.30 LT	UT-A-10			1							
SUBTOTAL 2						2	3	13	0	5	0	3	5	0	

REVISIONS

NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY NEW

QC CHECKED BY KNC

APPROVED

7/8/2024 DATE

PROFESSIONAL ENGINEER

PROJECT I-15; 1800 NORTH INTERCHANGE

PIN 15682

PROJECT NUMBER S-I15-8(157)336

UTILITY SUMMARY

SHEET NO. SMU-58

EXHIBIT B

REGION 1 8-JUL-2024 16:32 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-59.dgn

FOR INFORMATION ONLY - 8 INCH PIPE AND FITTING (CLINTON) (3 OF 3)

ALIGNMENT	FROM STATION		TO STATION		SHEET	11.25 DEG FITTING - 8 INCH (CLINTON)	22.5 DEG FITTING - 8 INCH (CLINTON)	45 DEG FITTING - 8 INCH (CLINTON)	90 DEG FITTING - 8 INCH (CLINTON)	PIPE COUPLING - 8 INCH (CLINTON)	REDUCER FITTING - 8 X 4 INCH (CLINTON)	REDUCER FITTING - 8 X 6 INCH (CLINTON)	TEE FITTING - 8 X 8 X 6 INCH (CLINTON)	TEE FITTING - 8 X 8 X 8 INCH (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
SR-37 (1800 North)	318+98.63	109.35 LT	318+98.63	109.35 LT	UT-A-10			1							
SR-37 (1800 North)	318+99.54	176.81 LT	318+99.54	176.81 LT	UT-A-10							1			
SR-37 (1800 North)	353+77.22	86.52 RT	353+77.22	86.52 RT	UT-A-15				1						
SR-37 (1800 North)	358+08.37	88.07 RT	358+08.37	88.07 RT	UT-A-15			1							
SR-37 (1800 North)	358+63.81	197.40 LT	358+63.81	197.40 LT	UT-A-15			1							
SR-37 (1800 North)	358+84.02	179.97 LT	358+84.02	179.97 LT	UT-A-15			1							
SR-37 (1800 North)	358+88.01	180.27 LT	358+88.01	180.27 LT	UT-A-15									1	
SR-37 (1800 North)	358+93.77	05.48 RT	358+93.77	05.48 RT	UT-A-15			1							
SUBTOTAL 3						**0**	**0**	**5**	**1**	**0**	**0**	**1**	**0**	**1**	
SUBTOTAL 2						2	3	13	0	5	0	3	5	0	
SUBTOTAL 1						3	7	12	1	5	1	3	3	0	
TOTAL						**5**	**10**	**30**	**2**	**10**	**1**	**7**	**8**	**1**	

REVISIONS

NO. DATE APPROVED BY REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY NEW

QC CHECKED BY KNC

7/8/2024 DATE

APPROVED

PROFESSIONAL ENGINEER

PROJECT I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER S-I15-8(157)336 PIN 15682

UTILITY SUMMARY

SHEET NO. SMU-59

EXHIBIT B

FOR INFORMATION ONLY - 10 INCH PIPE AND FITTING (CLINTON) (1 OF 1)

ALIGNMENT	FROM STATION		TO STATION		SHEET	11.25 DEG FITTING - 10 INCH (CLINTON)	22.5 DEG FITTING - 10 INCH (CLINTON)	45 DEG FITTING - 10 INCH (CLINTON)	PIPE COUPLING - 10 INCH (CLINTON)	REDUCER FITTING - 10 X 6 INCH (CLINTON)	TEE FITTING - 10 X 10 X 6 INCH (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	EACH	EACH	EACH	EACH	EACH	
SR-37 (1800 North)	268+23.51	140.50 RT	268+23.51	140.50 RT	UT-A-04				1			
SR-37 (1800 North)	268+23.71	128.50 RT	268+23.71	128.50 RT	UT-A-04			1				
SR-37 (1800 North)	268+24.12	90.49 LT	268+24.12	90.49 LT	UT-A-04		1					
SR-37 (1800 North)	268+24.15	206.04 LT	268+24.15	206.04 LT	UT-A-04				1			
SR-37 (1800 North)	268+30.00	33.22 RT	268+30.00	33.22 RT	UT-A-04	1						
SR-37 (1800 North)	268+30.00	40.72 RT	268+30.00	40.72 RT	UT-A-04	1						
SR-37 (1800 North)	268+30.00	55.87 RT	268+30.00	55.87 RT	UT-A-04	1						
SR-37 (1800 North)	268+30.00	62.72 RT	268+30.00	62.72 RT	UT-A-04	1						
SR-37 (1800 North)	268+30.00	76.54 LT	268+30.00	76.54 LT	UT-A-04		1					
SR-37 (1800 North)	268+30.00	84.25 RT	268+30.00	84.25 RT	UT-A-04						1	
SR-37 (1800 North)	268+30.00	87.25 RT	268+30.00	87.25 RT	UT-A-04			1				
SR-37 (1800 North)	284+24.50	30.14 LT	284+24.50	30.14 LT	UT-A-06	1						
SR-37 (1800 North)	284+24.53	39.14 LT	284+24.53	39.14 LT	UT-A-06	1						
SR-37 (1800 North)	284+24.61	67.23 LT	284+24.61	67.23 LT	UT-A-06	1						
SR-37 (1800 North)	284+24.62	70.80 LT	284+24.62	70.80 LT	UT-A-06	1						
SR-37 (1800 North)	284+24.64	76.56 LT	284+24.64	76.56 LT	UT-A-06						1	
SR-37 (1800 North)	284+24.67	84.95 LT	284+24.67	84.95 LT	UT-A-06	1						
SR-37 (1800 North)	284+30.10	108.44 LT	284+30.10	108.44 LT	UT-A-06					1		
SR-37 (1800 North)	287+86.36	58.15 RT	287+86.36	58.15 RT	UT-A-06			1				
SR-37 (1800 North)	287+90.43	62.12 RT	287+90.43	62.12 RT	UT-A-06			1				
SR-37 (1800 North)	287+90.46	66.12 RT	287+90.46	66.12 RT	UT-A-06				1			
SR-37 (1800 North)	304+61.67	110.71 RT	304+61.67	110.71 RT	UT-A-09				1			
SR-37 (1800 North)	304+61.85	108.58 RT	304+61.85	108.58 RT	UT-A-09						1	
SR-37 (1800 North)	304+62.36	102.50 RT	304+62.36	102.50 RT	UT-A-09	1						
SR-37 (1800 North)	304+66.72	77.59 RT	304+66.72	77.59 RT	UT-A-09	1						
SR-37 (1800 North)	318+90.16	184.36 RT	318+90.16	184.36 RT	UT-A-10			1				
SR-37 (1800 North)	318+95.98	190.11 RT	318+95.98	190.11 RT	UT-A-10			1				
SR-37 (1800 North)	318+96.37	201.36 RT	318+96.37	201.36 RT	UT-A-10				1			
SR-37 (1800 North)	319+36.66	88.16 RT	319+36.66	88.16 RT	UT-A-10			1				
SR-37 (1800 North)	319+36.90	92.45 RT	319+36.90	92.45 RT	UT-A-10			1				
SR-37 (1800 North)	319+37.04	95.18 RT	319+37.04	95.18 RT	UT-A-10				1			
TOTAL						11	2	8	6	1	3	

REGION 1 8-JUL-2024 16:32 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-60.dgn

REVISIONS
NO. DATE APPROVED BY REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
DRAWN BY NEW
QC CHECKED BY KNC
7/8/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER S-I15-8(157)336 PIN 15682
UTILITY SUMMARY
SHEET NO. SMU-60

EXHIBIT B

FOR INFORMATION ONLY - 12 INCH PIPE AND FITTING (CLINTON) (1 OF 2)

ALIGNMENT	FROM STATION		TO STATION		SHEET	11.25 DEG FITTING - 12 INCH (CLINTON)	22.5 DEG FITTING - 12 INCH (CLINTON)	45 DEG FITTING - 12 INCH (CLINTON)	CROSS FITTING - 12 X 12 X 8 X 8 INCH (CLINTON)	PIPE COUPLING - 12 INCH (CLINTON)	REDUCER FITTING - 12 X 8 INCH (CLINTON)	TEE FITTING - 12 X 12 X 6 INCH (CLINTON)	TEE FITTING - 12 X 12 X 8 INCH (CLINTON)	TEE FITTING - 12 X 12 X 12 INCH (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
SR-37 (1800 North)	249+16.35	49.67 RT	249+16.35	49.67 RT	UT-A-02					1					
SR-37 (1800 North)	249+28.55	49.64 RT	249+28.55	49.64 RT	UT-A-02								1		
SR-37 (1800 North)	253+48.63	52.86 RT	253+48.63	52.86 RT	UT-A-02							1			
SR-37 (1800 North)	254+94.62	51.64 RT	254+94.62	51.64 RT	UT-A-02	1									
SR-37 (1800 North)	255+17.89	51.14 RT	255+17.89	51.14 RT	UT-A-02				1						
SR-37 (1800 North)	257+35.06	48.50 RT	257+35.06	48.50 RT	UT-A-03								1		
SR-37 (1800 North)	262+25.68	52.11 RT	262+25.68	52.11 RT	UT-A-03							1			
SR-37 (1800 North)	263+07.90	52.00 RT	263+07.90	52.00 RT	UT-A-03							1			
SR-37 (1800 North)	265+15.53	52.00 RT	265+15.53	52.00 RT	UT-A-04							1			
SR-37 (1800 North)	265+96.12	52.00 RT	265+96.12	52.00 RT	UT-A-04							1			
SR-37 (1800 North)	267+94.84	51.93 RT	267+94.84	51.93 RT	UT-A-04	1									
SR-37 (1800 North)	267+97.77	51.92 RT	267+97.77	51.92 RT	UT-A-04	1									
SR-37 (1800 North)	268+00.77	51.92 RT	268+00.77	51.92 RT	UT-A-04		1								
SR-37 (1800 North)	268+07.77	51.90 RT	268+07.77	51.90 RT	UT-A-04		1								
SR-37 (1800 North)	268+10.38	51.90 RT	268+10.38	51.90 RT	UT-A-04	1									
SR-37 (1800 North)	268+16.38	51.89 RT	268+16.38	51.89 RT	UT-A-04	1									
SR-37 (1800 North)	293+39.90	52.04 RT	293+39.90	52.04 RT	UT-A-07			1							
SR-37 (1800 North)	293+77.72	52.04 RT	293+77.72	52.04 RT	UT-A-07			1							
SR-37 (1800 North)	294+23.60	95.00 LT	294+23.60	95.00 LT	UT-A-07			1							
SR-37 (1800 North)	294+24.46	04.59 RT	294+24.46	04.59 RT	UT-A-07			1							
SR-37 (1800 North)	294+47.77	119.48 LT	294+47.77	119.48 LT	UT-A-07			1							
SR-37 (1800 North)	294+65.12	93.53 RT	294+65.12	93.53 RT	UT-A-07	1									
SR-37 (1800 North)	294+70.10	122.49 RT	294+70.10	122.49 RT	UT-A-07	1									
SR-37 (1800 North)	305+27.37	158.01 LT	305+27.37	158.01 LT	UT-A-09	1									
SR-37 (1800 North)	305+81.50	142.81 LT	305+81.50	142.81 LT	UT-A-09	1									
SR-37 (1800 North)	306+88.11	90.36 LT	306+88.11	90.36 LT	UT-A-09		1								
SR-37 (1800 North)	309+32.95	110.53 LT	309+32.95	110.53 LT	UT-A-09			1							
SR-37 (1800 North)	309+32.98	115.13 LT	309+32.98	115.13 LT	UT-A-09							1			
SR-37 (1800 North)	309+33.02	119.49 LT	309+33.02	119.49 LT	UT-A-09					1					
SR-37 (1800 North)	309+36.65	84.07 LT	309+36.65	84.07 LT	UT-A-09									1	
SR-37 (1800 North)	309+36.66	86.07 LT	309+36.66	86.07 LT	UT-A-09			1							
SR-37 (1800 North)	309+36.67	88.06 LT	309+36.67	88.06 LT	UT-A-09			1							
SR-37 (1800 North)	309+36.81	106.56 LT	309+36.81	106.56 LT	UT-A-09			1							
SR-37 (1800 North)	315+81.41	128.68 LT	315+81.41	128.68 LT	UT-A-10					1					
SUBTOTAL 1						9	3	9	1	3	0	6	2	1	

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

REVISIONS

NO. | DATE | APPROVED BY | REMARKS

DRAWN BY NEW
QC CHECKED BY KNC
7/8/2024
DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
UTILITY SUMMARY

SHEET NO. SMU-61

REGION 1 8-JUL-2024 16:32 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-61.dgn

EXHIBIT B

FOR INFORMATION ONLY - 12 INCH PIPE AND FITTING (CLINTON) (2 OF 2)

ALIGNMENT	FROM STATION		TO STATION		SHEET	11.25 DEG FITTING - 12 INCH (CLINTON)	22.5 DEG FITTING - 12 INCH (CLINTON)	45 DEG FITTING - 12 INCH (CLINTON)	CROSS FITTING - 12 X 12 X 8 X 8 INCH (CLINTON)	PIPE COUPLING - 12 INCH (CLINTON)	REDUCER FITTING - 12 X 8 INCH (CLINTON)	TEE FITTING - 12 X 12 X 6 INCH (CLINTON)	TEE FITTING - 12 X 12 X 8 INCH (CLINTON)	TEE FITTING - 12 X 12 X 12 INCH (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
SR-37 (1800 North)	346+86.42	79.13 RT	346+86.42	79.13 RT	UT-A-14	1									
SR-37 (1800 North)	346+86.47	90.03 RT	346+86.47	90.03 RT	UT-A-14	1									
SR-37 (1800 North)	346+86.57	113.19 RT	346+86.57	113.19 RT	UT-A-14						1				
SUBTOTAL 2						**2**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	
SUBTOTAL 1						9	3	9	1	3	0	6	2	1	
TOTAL						**11**	**3**	**9**	**1**	**3**	**1**	**6**	**2**	**1**	

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY NEW

QC CHECKED BY KNC

APPROVED

7/8/2024

DATE

PROFESSIONAL ENGINEER

PROJECT I-15; 1800 NORTH INTERCHANGE

PIN 15682

PROJECT NUMBER S-I15-8(157)336

UTILITY SUMMARY

SHEET NO. SMU-62

EXHIBIT B

FOR INFORMATION ONLY - 14 INCH PIPE AND FITTING (CLINTON) (1 OF 1)

ALIGNMENT	FROM STATION		TO STATION		SHEET	PIPE COUPLING - 14 INCH (CLINTON)	REDUCER FITTING - 14 X 12 INCH (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	EACH	
SR-37 (1800 North)	294+46.38	155.56 LT	294+46.38	155.56 LT	UT-A-07	1		
SR-37 (1800 North)	294+46.46	153.56 LT	294+46.46	153.56 LT	UT-A-07		1	
SR-37 (1800 North)	294+69.84	171.69 RT	294+69.84	171.69 RT	UT-A-07	1		
SR-37 (1800 North)	294+69.85	169.69 RT	294+69.85	169.69 RT	UT-A-07		1	
TOTAL						2	2	

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED

PROFESSIONAL ENGINEER

DATE 7/8/2024

DRAWN BY NEW

QC CHECKED BY KNC

PROJECT: I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER: S-I15-8(157)336

PIN 15682

UTILITY SUMMARY

SHEET NO. SMU-63

REGION 1 8-JUL-2024 16:33 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-63.dgn

EXHIBIT B

ALIGNMENT	FROM STATION STA.	FROM STATION OFF.	TO STATION STA.	TO STATION OFF.	SHEET	11.25 DEG FITTING - 16 INCH (CLINTON)	22.5 DEG FITTING - 16 INCH (CLINTON)	45 DEG FITTING - 16 INCH (CLINTON)	CROSS FITTING - 16 X 16 X 8 X 8 INCH (CLINTON)	CROSS FITTING - 16 X 16 X 10 X 10 INCH (CLINTON)	REDUCER FITTING - 16 X 10 INCH (CLINTON)	REDUCER FITTING - 16 X 12 INCH (CLINTON)	REDUCER FITTING - 16 X 8 INCH (CLINTON)	TEE FITTING - 16 X 16 X 6 INCH (CLINTON)	TEE FITTING - 16 X 16 X 8 INCH (CLINTON)	TEE FITTING - 16 X 16 X 12 INCH (CLINTON)	TEE FITTING - 16 X 16 X 16 INCH (CLINTON)	REMARKS
						EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
SR-37 (1800 North)	268+28.00	51.86 RT	268+28.00	51.86 RT	UT-A-04							1						
SR-37 (1800 North)	268+30.00	51.87 RT	268+30.00	51.87 RT	UT-A-04					1								
SR-37 (1800 North)	270+50.40	52.19 RT	270+50.40	52.19 RT	UT-A-04									1				
SR-37 (1800 North)	272+47.00	52.00 RT	272+47.00	52.00 RT	UT-A-05									1				
SR-37 (1800 North)	272+99.86	52.00 RT	272+99.86	52.00 RT	UT-A-05										1			
SR-37 (1800 North)	275+37.00	52.00 RT	275+37.00	52.00 RT	UT-A-05									1				
SR-37 (1800 North)	277+49.41	52.00 RT	277+49.41	52.00 RT	UT-A-05									1				
SR-37 (1800 North)	278+89.48	52.00 RT	278+89.48	52.00 RT	UT-A-05										1			
SR-37 (1800 North)	280+35.91	52.12 RT	280+35.91	52.12 RT	UT-A-06									1				
SR-37 (1800 North)	282+24.57	52.28 RT	282+24.57	52.28 RT	UT-A-06									1				
SR-37 (1800 North)	282+65.78	52.31 RT	282+65.78	52.31 RT	UT-A-06	1												
SR-37 (1800 North)	282+69.08	52.31 RT	282+69.08	52.31 RT	UT-A-06	1												
SR-37 (1800 North)	282+90.24	52.36 RT	282+90.24	52.36 RT	UT-A-06										1			
SR-37 (1800 North)	282+95.27	52.29 RT	282+95.27	52.29 RT	UT-A-06	1												
SR-37 (1800 North)	282+98.65	52.25 RT	282+98.65	52.25 RT	UT-A-06	1												
SR-37 (1800 North)	284+24.26	52.00 RT	284+24.26	52.00 RT	UT-A-06										1			
SR-37 (1800 North)	286+91.23	52.20 RT	286+91.23	52.20 RT	UT-A-06									1				
SR-37 (1800 North)	287+86.31	52.15 RT	287+86.31	52.15 RT	UT-A-06										1			
SR-37 (1800 North)	288+01.15	52.06 RT	288+01.15	52.06 RT	UT-A-07									1				
SR-37 (1800 North)	290+46.89	51.82 RT	290+46.89	51.82 RT	UT-A-07				1									
SR-37 (1800 North)	293+37.24	51.99 RT	293+37.24	51.99 RT	UT-A-07			1										
SR-37 (1800 North)	293+38.60	53.35 RT	293+38.60	53.35 RT	UT-A-07											1		
SR-37 (1800 North)	293+43.97	58.72 RT	293+43.97	58.72 RT	UT-A-07			1										
SR-37 (1800 North)	294+25.46	57.36 RT	294+25.46	57.36 RT	UT-A-07	1												
SR-37 (1800 North)	294+29.05	57.30 RT	294+29.05	57.30 RT	UT-A-07	1												
SR-37 (1800 North)	294+40.37	57.06 RT	294+40.37	57.06 RT	UT-A-07	1												
SR-37 (1800 North)	294+55.89	56.71 RT	294+55.89	56.71 RT	UT-A-07	1												
SR-37 (1800 North)	304+67.31	69.84 RT	304+67.31	69.84 RT	UT-A-09						1							
SR-37 (1800 North)	304+85.98	161.42 LT	304+85.98	161.42 LT	UT-A-09											1		
SR-37 (1800 North)	304+86.13	163.41 LT	304+86.13	163.41 LT	UT-A-09								1					
SR-37 (1800 North)	315+80.52	78.72 LT	315+80.52	78.72 LT	UT-A-10							1						
SR-37 (1800 North)	315+81.76	78.72 LT	315+81.76	78.72 LT	UT-A-10											1		
SR-37 (1800 North)	318+10.20	78.77 LT	318+10.20	78.77 LT	UT-A-10		1											
SR-37 (1800 North)	318+16.50	78.66 LT	318+16.50	78.66 LT	UT-A-10		1											
SR-37 (1800 North)	318+85.68	92.27 RT	318+85.68	92.27 RT	UT-A-10						1							
SR-37 (1800 North)	318+87.97	77.45 LT	318+87.97	77.45 LT	UT-A-10												1	
SR-37 (1800 North)	318+88.02	79.45 LT	318+88.02	79.45 LT	UT-A-10								1					
TOTAL						8	2	2	1	1	2	2	2	8	5	3	1	

FOR INFORMATION ONLY - 16 INCH PIPE AND FITTING (CLINTON) (1 OF 1)

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED ______ PROFESSIONAL ENGINEER ______ 7/8/2024 DATE

DRAWN BY NEW
QC CHECKED BY KNC

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
UTILITY SUMMARY

SHEET NO. SMU-64

REGION 1 8-JUL-2024 16:33 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-64.dgn

EXHIBIT B

FOR INFORMATION ONLY - 20 INCH PIPE AND FITTING (CLINTON) (1 OF 2)

ALIGNMENT	FROM STATION		TO STATION		SHEET	11.25 DEG FITTING - 20 INCH (CLINTON)	22.5 DEG FITTING - 20 INCH (CLINTON)	CROSS FITTING - 20 X 20 X 16 X 16 INCH (CLINTON)	PIPE COUPLING - 20 INCH (CLINTON)	REDUCER FITTING - 20 X 18 INCH (CLINTON)	TEE FITTING - 20 X 20 X 6 INCH (CLINTON)	TEE FITTING - 20 X 20 X 8 INCH (CLINTON)	TEE FITTING - 20 X 20 X 10 INCH (CLINTON)	TEE FITTING - 20 X 20 X 12 INCH (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
Ramp D	202+27.78	164.06 RT	202+27.78	164.06 RT	UT-A-42				1						
Ramp D	202+28.90	163.75 RT	202+28.90	163.75 RT	UT-A-42					1					
SR-37 (1800 North)	294+65.12	56.50 RT	294+65.12	56.50 RT	UT-A-07									1	
SR-37 (1800 North)	295+57.54	54.50 RT	295+57.54	54.50 RT	UT-A-07						1				
SR-37 (1800 North)	296+01.56	53.56 RT	296+01.56	53.56 RT	UT-A-08						1				
SR-37 (1800 North)	298+24.52	52.91 RT	298+24.52	52.91 RT	UT-A-08		1								
SR-37 (1800 North)	298+31.24	52.92 RT	298+31.24	52.92 RT	UT-A-08		1								
SR-37 (1800 North)	298+48.99	52.98 RT	298+48.99	52.98 RT	UT-A-08							1			
SR-37 (1800 North)	298+58.21	53.03 RT	298+58.21	53.03 RT	UT-A-08							1			
SR-37 (1800 North)	301+12.79	53.58 RT	301+12.79	53.58 RT	UT-A-08						1				
SR-37 (1800 North)	301+60.37	53.13 RT	301+60.37	53.13 RT	UT-A-08						1				
SR-37 (1800 North)	302+85.94	53.38 RT	302+85.94	53.38 RT	UT-A-08	1									
SR-37 (1800 North)	302+94.20	53.42 RT	302+94.20	53.42 RT	UT-A-08	1									
SR-37 (1800 North)	304+12.82	63.12 RT	304+12.82	63.12 RT	UT-A-09	1									
SR-37 (1800 North)	304+21.66	63.92 RT	304+21.66	63.92 RT	UT-A-09	1									
SR-37 (1800 North)	304+67.48	67.85 RT	304+67.48	67.85 RT	UT-A-09			1							
SR-37 (1800 North)	305+18.81	71.78 RT	305+18.81	71.78 RT	UT-A-09	1									
SR-37 (1800 North)	305+26.27	72.38 RT	305+26.27	72.38 RT	UT-A-09	1									
SR-37 (1800 North)	309+31.45	86.95 RT	309+31.45	86.95 RT	UT-A-09							1			
SR-37 (1800 North)	311+51.77	81.70 RT	311+51.77	81.70 RT	UT-A-09						1				
SR-37 (1800 North)	312+54.71	80.86 RT	312+54.71	80.86 RT	UT-A-10							1			
SR-37 (1800 North)	312+61.11	80.81 RT	312+61.11	80.81 RT	UT-A-10		1								
SR-37 (1800 North)	312+67.21	80.76 RT	312+67.21	80.76 RT	UT-A-10		1								
SR-37 (1800 North)	314+48.36	80.85 RT	314+48.36	80.85 RT	UT-A-10						1				
SR-37 (1800 North)	314+69.39	80.90 RT	314+69.39	80.90 RT	UT-A-10	1									
SR-37 (1800 North)	315+35.49	94.46 RT	315+35.49	94.46 RT	UT-A-10	1									
SR-37 (1800 North)	318+79.69	90.41 RT	318+79.69	90.41 RT	UT-A-10	1									
SR-37 (1800 North)	318+83.28	90.17 RT	318+83.28	90.17 RT	UT-A-10	1									
SUBTOTAL 1						**10**	**4**	**1**	**1**	**1**	**6**	**4**	**0**	**1**	

REGION 1 8-JUL-2024 16:33 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-65.dgn

REVISIONS

NO. DATE APPROVED BY REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY NEW

QC CHECKED BY KNC

APPROVED 7/8/2024 DATE

PROFESSIONAL ENGINEER

PROJECT I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER S-I15-8(157)336 PIN 15682

UTILITY SUMMARY

SHEET NO. SMU-65

EXHIBIT B

FOR INFORMATION ONLY - 20 INCH PIPE AND FITTING (CLINTON) (2 OF 2)

ALIGNMENT	FROM STATION		TO STATION		SHEET	11.25 DEG FITTING - 20 INCH (CLINTON)	22.5 DEG FITTING - 20 INCH (CLINTON)	CROSS FITTING - 20 X 20 X 16 X 16 INCH (CLINTON)	PIPE COUPLING - 20 INCH (CLINTON)	REDUCER FITTING - 20 X 18 INCH (CLINTON)	TEE FITTING - 20 X 20 X 6 INCH (CLINTON)	TEE FITTING - 20 X 20 X 8 INCH (CLINTON)	TEE FITTING - 20 X 20 X 10 INCH (CLINTON)	TEE FITTING - 20 X 20 X 12 INCH (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
SR-37 (1800 North)	318+85.58	90.02 RT	318+85.58	90.02 RT	UT-A-10			1							
SR-37 (1800 North)	319+05.07	88.72 RT	319+05.07	88.72 RT	UT-A-10	1									
SR-37 (1800 North)	319+27.77	82.61 RT	319+27.77	82.61 RT	UT-A-10	1									
SR-37 (1800 North)	319+36.34	82.17 RT	319+36.34	82.17 RT	UT-A-10								1		
SR-37 (1800 North)	319+57.18	81.09 RT	319+57.18	81.09 RT	UT-A-10						1				
SR-37 (1800 North)	319+61.30	80.87 RT	319+61.30	80.87 RT	UT-A-10	1									
SR-37 (1800 North)	319+71.91	82.42 RT	319+71.91	82.42 RT	UT-A-10	1									
SUBTOTAL 2						**4**	**0**	**1**	**0**	**0**	**1**	**0**	**1**	**0**	
SUBTOTAL 1						10	4	1	1	1	6	4	0	1	
TOTAL						**14**	**4**	**2**	**1**	**1**	**7**	**4**	**1**	**1**	

REGION 1 8-JUL-2024 16:33 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682_SMU-66.dgn

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY NEW

QC CHECKED BY KNC

APPROVED

PROFESSIONAL ENGINEER

DATE 7/8/2024

PROJECT I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER S-I15-8(157)336 PIN 15682

UTILITY SUMMARY

SHEET NO. SMU-66

EXHIBIT B

CLINTON / DWCCC PIPE SUPPORT (1 OF 1)

ALIGNMENT	FROM STATION		TO STATION		SHEET	PIPE SUPPORT (CLINTON)	PIPE SUPPORT (DWCCC)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	EACH	
SR-37 (1800 North)	331+11.40	74.69 RT	331+11.40	74.69 RT	UT-A-05	1		
SR-37 (1800 North)	318+77.35	77.63 LT	318+77.35	77.63 LT	UT-A-05	1		
SR-37 (1800 North)	309+17.22	84.16 LT	309+17.22	84.16 LT	UT-A-05	1		
SR-37 (1800 North)	272+89.55	51.99 RT	272+89.55	51.99 RT	UT-A-05	1		
SR-37 (1800 North)	249+28.55	26.51 LT	249+28.55	26.51 LT	UT-B-02		1	
SR-37 (1800 North)	249+81.18	26.66 LT	249+81.18	26.66 LT	UT-B-02		1	
SR-37 (1800 North)	252+54.00	29.79 LT	252+54.00	29.79 LT	UT-B-02		1	
SR-37 (1800 North)	253+48.63	33.05 LT	253+48.63	33.05 LT	UT-B-02		1	
SR-37 (1800 North)	263+27.66	59.73 LT	263+27.66	59.73 LT	UT-B-03		1	
SR-37 (1800 North)	260+11.66	41.65 LT	260+11.66	41.65 LT	UT-B-03		1	
SR-37 (1800 North)	278+66.08	01.77 LT	278+66.08	01.77 LT	UT-B-05		1	
SR-37 (1800 North)	284+24.59	57.97 LT	284+24.59	57.97 LT	UT-B-06		1	
SR-37 (1800 North)	288+13.31	56.12 LT	288+13.31	56.12 LT	UT-B-07		1	
SR-37 (1800 North)	294+23.90	59.69 LT	294+23.90	59.69 LT	UT-B-07		1	
SR-37 (1800 North)	309+45.44	76.77 RT	309+45.44	76.77 RT	UT-B-09		1	
SR-37 (1800 North)	304+50.97	32.25 RT	304+50.97	32.25 RT	UT-B-09		1	
TOTAL						4	12	

REGION 1 8-JUL-2024 16:33 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-79.dgn

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY NEW
QC CHECKED BY KNC
7/8/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER S-I15-8(157)336
PIN 15682
UTILITY SUMMARY

SHEET NO. SMU-79

EXHIBIT C

SECONDARY PIPE AND FITTINGS - 12 INCH (DWCCC) REQ'D
SR-37 (1800 NORTH)
249+19.90 LT 26.48 TO MATCH LINE LT 39.87

PIPE COUPLING - 12 INCH (DWCCC)
SR-37 (1800 NORTH)
249+19.90 LT 26.48

SECONDARY WATER METER BOX AND SETTER - 1 INCH (DWCCC) REQ'D
SR-37 (1800 NORTH)
251+32.60 LT 53.82

SECONDARY WATER SERVICE - 1 INCH (DWCCC) REQ'D
SR-37 (1800 NORTH)
249+70.20 LT 26.67 TO 249+70.52 RT 55.16
251+32.59 LT 54.27 TO 251+32.98 LT 26.86

IRRIGATION SLEEVE (DWCCC) REQ'D
SR-37 (1800 NORTH)
255+63.79 LT 59.40 TO MATCH LINE LT 59.49

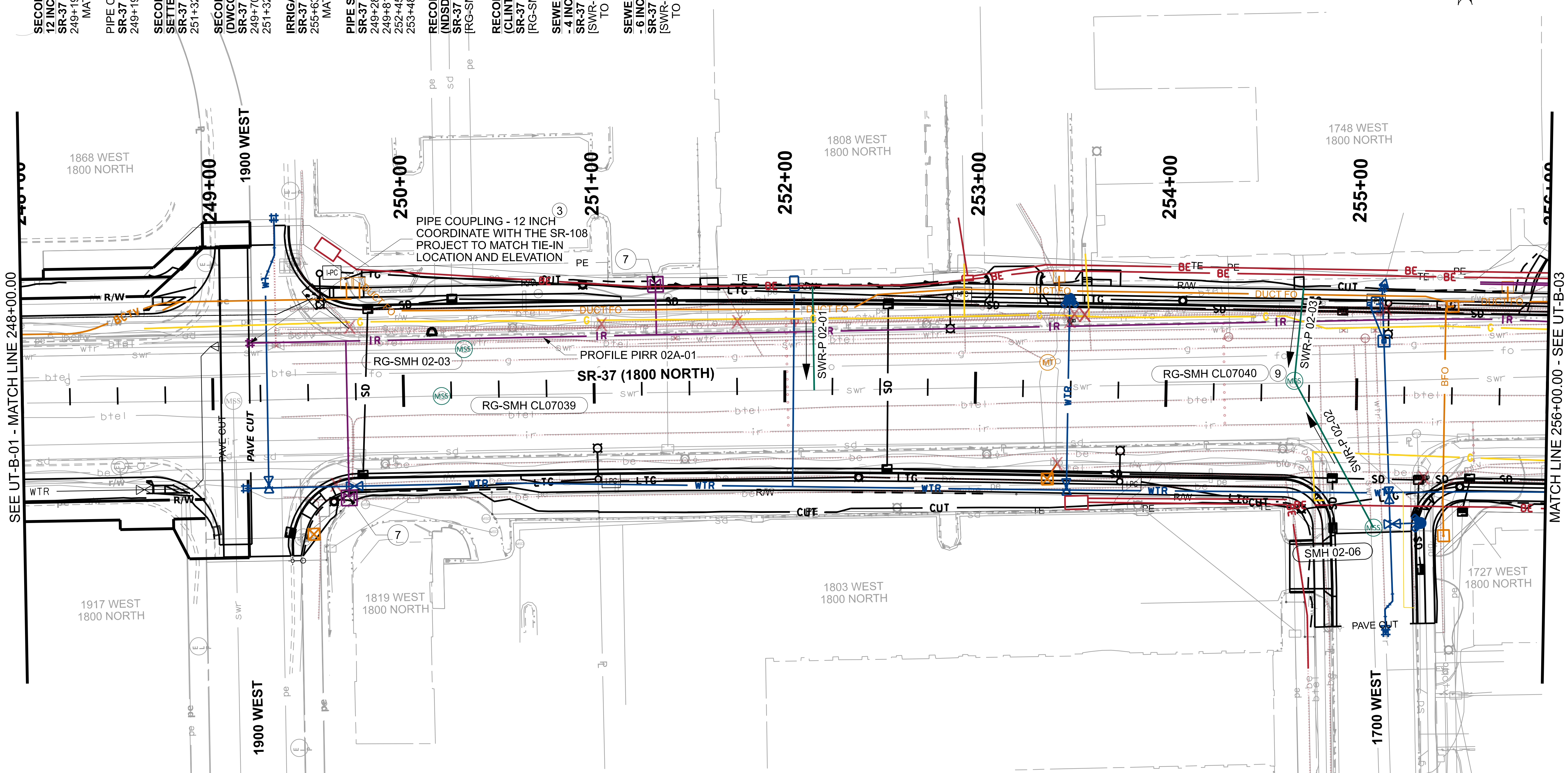
PIPE SUPPORT (DWCCC) REQ'D
SR-37 (1800 NORTH)
249+28.55 LT 26.51
249+81.18 LT 26.66
252+45.00 LT 29.79
253+48.63 LT 33.05

RECONSTRUCT MANHOLE (NDSD) REQ'D
SR-37 (1800 NORTH)
[RG-SMH CL07040] 254+67.21 LT 06.47

RECONSTRUCT MANHOLE (CLINTON) REQ'D
SR-37 (1800 NORTH)
[RG-SMH 02-03] 250+32.09 LT 21.35

SEWER SERVICE CONNECTION - 4 INCH, PVC (CLINTON) REQ'D
SR-37 (1800 NORTH)
[SWR-P 02-01] 252+14.45 LT 52.50 TO 252+15.49 RT 02.02

SEWER SERVICE CONNECTION - 6 INCH, PVC (CLINTON) REQ'D
SR-37 (1800 NORTH)
[SWR-P 02-03] 254+67.21 LT 06.47 TO 254+71.25 LT 55.50



SECONDARY WATER METER BOX AND SETTER - 1 INCH (DWCCC) REQ'D
SR-37 (1800 NORTH)
249+70.52 RT 55.61

RECONSTRUCT MANHOLE (NDSD) REQ'D
SR-37 (1800 NORTH)
[RG-SMH CL07039] 250+19.96 RT 03.07

5 FOOT DROP SEWER MANHOLE, 9 FT TO 11 FT DEEP (CLINTON) REQ'D
SR-37 (1800 NORTH)
[SMH 02-06] 255+10.10 RT 69.80

SEWER PIPE - 8 INCH, PVC (CLINTON) REQ'D
SR-37 (1800 NORTH)
[SWR-P 02-02] 254+67.21 LT 06.47 TO 255+10.10 RT 69.80

NOTES:
1. SEE UT-A SERIES FOR WATER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.
6. PRESSURIZED IRRIGATION PIPE ALIGNMENT ACHIEVED THROUGH DEFLECTION AT PIPE JOINTS. MAXIMUM DEFLECTION OF 1 DEGREE PER ONE PIPE LENGTH (20 FOOT). CONFORM TO MANUFACTURE'S SPECIFICATIONS.
7. SEE UTDT-09A FOR SINGLE SERVICE WATER CONNECTION.
9. CONNECT PROPOSED SEWER PIPE TO EXISTING SEWER MANHOLE.
10. SEE UTDT-02H FOR SEWER MANHOLE RECONSTRUCTION DETAILS.

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

NO.	DATE	APPROVED BY	REMARKS

REVISIONS

DRAWN BY	NEW
QC CHECKED BY	MLC
APPROVED	7/8/2024 DATE

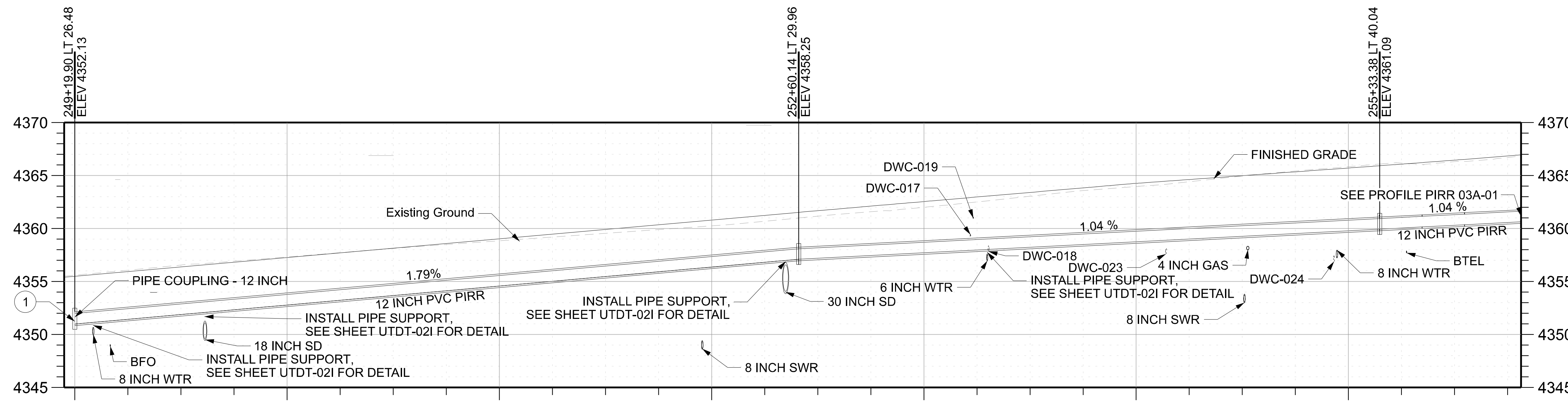
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN 15682
UTILITY - PIRR/IRR/SWR
SHEET NO. UT-B-02

DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 UT-B-02.dgn
REGION 1 8-JUL-2024 13:18 aellefson

EXHIBIT C

Conflict ID Number	Owner	Utility	Size	Final Disposition
DWC-017	CenturyLink	bfo		Protect in Place Existing Utility
DWC-018	Clinton City	wtr		Remove Existing Utility
DWC-019	CenturyLink	btel		Protect in Place Existing Utility
DWC-023	Clinton City	swr	6 inch	Protect in Place Existing Utility
DWC-024	Clinton City	wtr	unk	Remove Existing Utility



PROFILE PIRR 02A-01

NOTES

1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. ELEVATIONS ARE TO TOP OF OUTSIDE OF PIPE.

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY NEW

QC CHECKED BY MSN

7/8/2024 DATE

APPROVED

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

PIN 15682

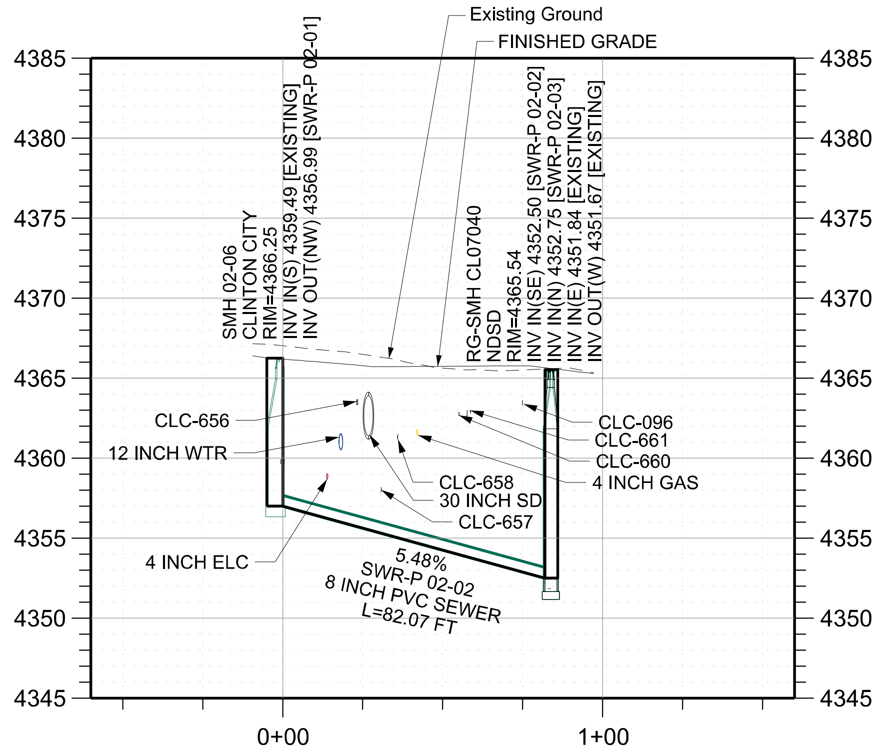
PROJECT NUMBER: S-I15-8(157)336

DWCCC PIRR PROFILE

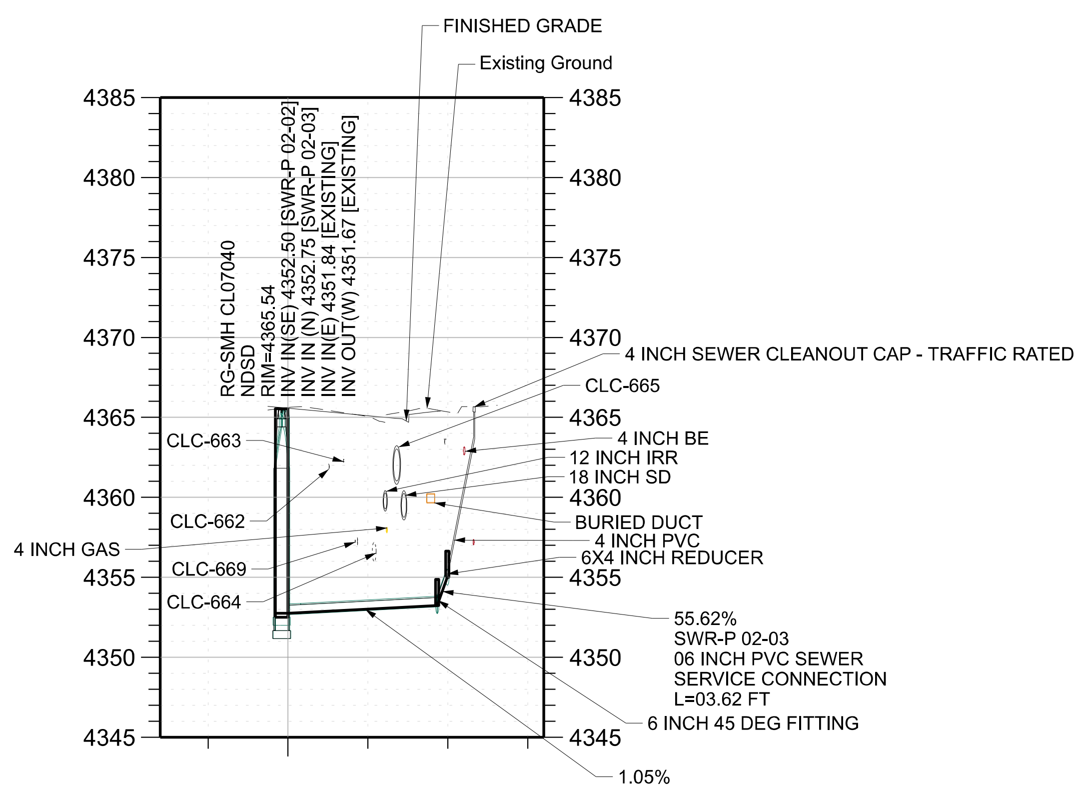
SHEET NO. UT-B-02A

EXHIBIT C

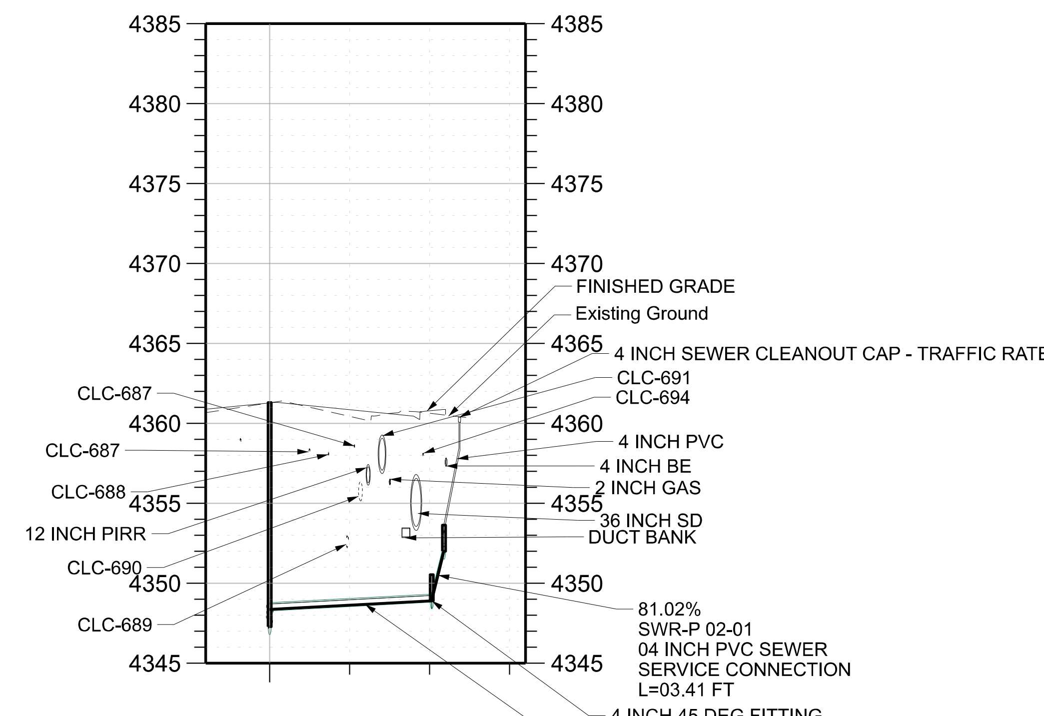
Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-656	RMP	be		Remove Existing Utility
CLC-657	RMP	be		Remove Existing Utility
CLC-658	Clinton City	bfo		No Vertical Conflict
CLC-660	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-661	DWCCC	irr	12 inch	Remove Existing Utility
CLC-662	CenturyLink	btel		Remove Existing Utility
CLC-663	Dominion Energy	gas		Remove Existing Utility
CLC-664	Clinton City	wtr		Remove Existing Utility
CLC-665	LDS Church	irr		Remove Existing Utility
CLC-669	Clinton City	swr		No Vertical Conflict
CLC-687	CenturyLink	bfo		No Vertical Conflict
CLC-688	Dominion Energy	gas		Remove Existing Utility
CLC-689	Clinton City	swr		Remove Existing Utility
CLC-690	CenturyLink	wtr		Remove Existing Utility
CLC-691	LDS Church	irr		Remove Existing Utility
CLC-694	Comcast	bctv		Remove Existing Utility
CLC-696	Clinton City	bfo		No Vertical Conflict



SMH 02-06 TO RG-SMH CL-07040



RG-SMH CL07040 TO CLEANOUT



SWR-P 02-01 TO CLEANOUT

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY: CKK
QC CHECKED BY: CAS
7/8/2024
DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN: 15682
PROJECT NUMBER: S-I15-8(157)336
SEWER PROFILE

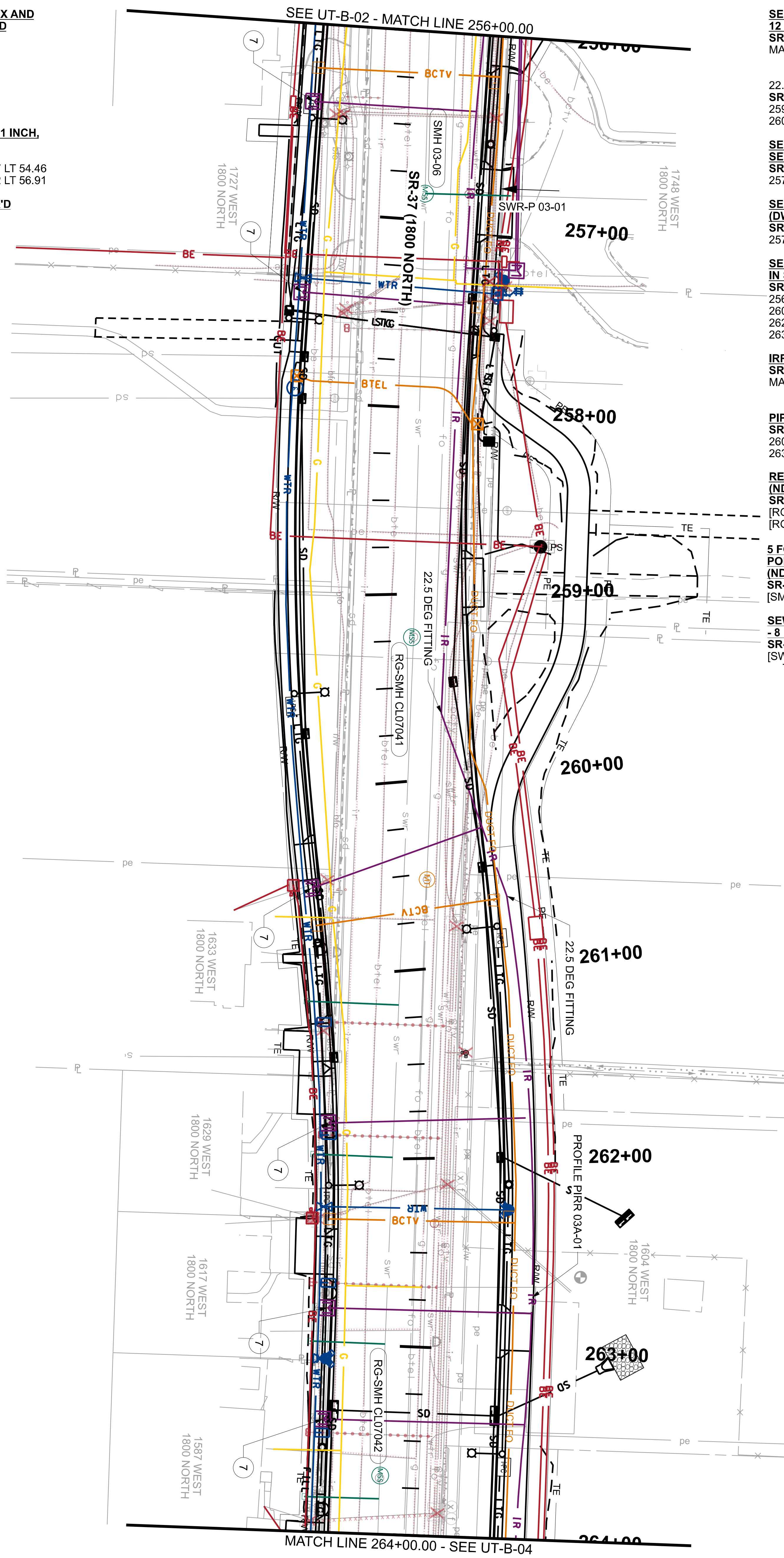
SHEET NO. UT-B-02B

EXHIBIT C

SECONDARY WATER METER BOX AND SETTER - 1 INCH (DWCCC) REQ'D
SR-37 (1800 NORTH)
256+41.27 RT 47.85
257+42.61 RT 47.09
260+50.78 RT 47.95
261+79.84 RT 47.78
262+80.97 RT 47.76
263+40.00 RT 47.92

SECONDARY WATER SERVICE - 1 INCH, IN SLEEVE (DWCCC) REQ'D
SR-37 (1800 NORTH)
257+42.59 RT 46.64 TO 257+43.77 LT 54.46
261+79.84 RT 47.33 TO 261+80.02 LT 56.91

SEWER CLEANOUT (NDSD) REQ'D
SR-37 (1800 NORTH)
261+12.41 RT 55.83
261+96.76 RT 55.83
262+98.88 RT 55.83
263+81.41 RT 55.83



SECONDARY PIPE AND FITTINGS - 12 INCH (DWCCC) REQ'D
SR-37 (1800 NORTH)
MATCH LINE LT 39.87 TO
MATCH LINE LT 56.83

22.5 DEG FITTING - 12 INCH (DWCCC)
SR-37 (1800 NORTH)
259+64.95 LT 29.27
260+66.06 LT 54.71

SECONDARY WATER METER BOX AND SETTER - 1 INCH (DWCCC) REQ'D
SR-37 (1800 NORTH)
257+23.42 LT 65.77

SECONDARY WATER SERVICE - 1 INCH (DWCCC) REQ'D
SR-37 (1800 NORTH)
257+23.42 LT 65.77 TO 257+23.63 LT 54.69

SECONDARY WATER SERVICE - 1 INCH, IN SLEEVE (DWCCC) REQ'D
SR-37 (1800 NORTH)
256+40.72 LT 38.77 TO 256+41.26 RT 47.40
260+28.53 LT 45.73 TO 260+50.80 RT 47.49
262+80.06 LT 60.87 TO 262+80.97 RT 47.31
263+39.10 LT 59.30 TO 263+40.00 RT 47.47

IRRIGATION SLEEVE (DWCCC) REQ'D
SR-37 (1800 NORTH)
MATCH LINE LT 59.49 TO
257+23.42 LT 65.77

PIPE SUPPORT (DWCCC) REQ'D
SR-37 (1800 NORTH)
260+11.66 LT 41.65
263+27.66 LT 59.73

RECONSTRUCT MANHOLE (NDSD) REQ'D
SR-37 (1800 NORTH)
[RG-SMH CL07041] 259+23.20 LT 15.71
[RG-SMH CL07042] 263+63.83 RT 16.30

5 FOOT SEWER MANHOLE, POLYMER, 13 FT TO 15 FT DEEP (NDSD) REQ'D
SR-37 (1800 NORTH)
[SMH 03-06] 256+85.99 LT 14.62

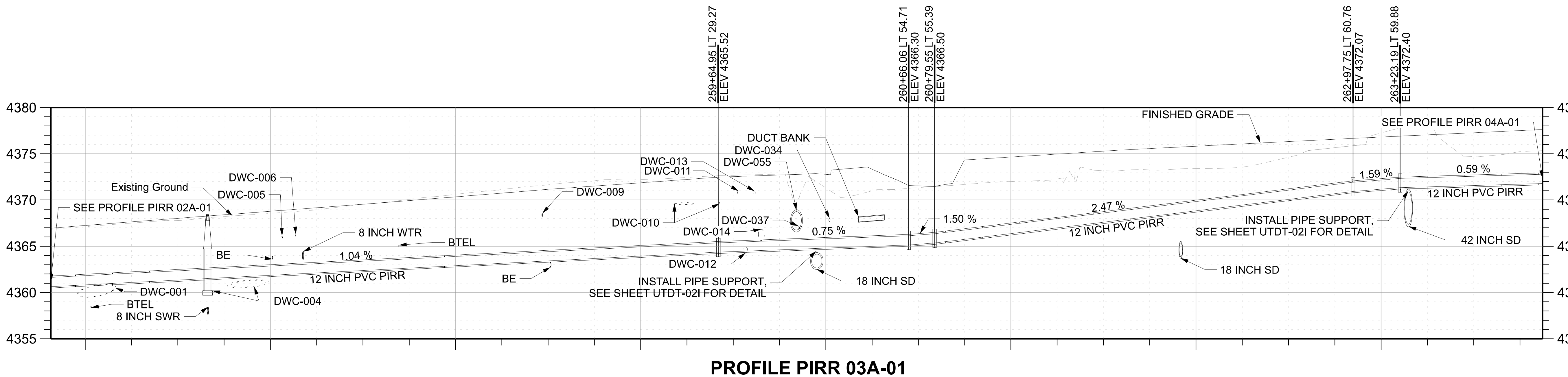
SEWER SERVICE CONNECTION - 8 INCH, PVC (CLINTON) REQ'D
SR-37 (1800 NORTH)
[SWR-P 03-01] 256+85.99 LT 14.62
TO 256+84.08 LT 60.00

NOTES:
1. SEE UT-A SERIES FOR WATER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.
6. PRESSURIZED IRRIGATION PIPE ALIGNMENT ACHIEVED THROUGH DEFLECTION AT PIPE JOINTS. MAXIMUM DEFLECTION OF 1 DEGREE PER ONE PIPE LENGTH (20 FOOT). CONFORM TO MANUFACTURE'S SPECIFICATIONS.
7. SEE UTDT-09A FOR SINGLE SERVICE WATER CONNECTION.
10. SEE UTDT-02H FOR SEWER MANHOLE RECONSTRUCTION DETAILS.

SHEET NO. UT-B-03	PROJECT	I-15; 1800 NORTH INTERCHANGE	UTAH DEPARTMENT OF TRANSPORTATION JUB ENGINEERS, INC.	REVISIONS
	PROJECT NUMBER	S-I15-8(157)336 PIN 15682	APPROVED ___ PROFESSIONAL ENGINEER; 7/8/2024 DATE	DRAWN BY NEW; QC CHECKED BY MLC
		UTILITY - PIRR/IRR/SWR		NO. DATE APPROVED BY REMARKS

EXHIBIT C

Conflict ID Number	Owner	Utility	Size	Final Disposition
DWC-001	Clinton City	wtr		Remove Existing Utility
DWC-004	Clinton City	swr	8 inch	Remove Existing Utility
DWC-005	CenturyLink	btel		Protect in Place Existing Utility
DWC-006	Dominion Energy	gas	2 inch	Remove Existing Utility
DWC-009	RMP	be		Remove Existing Utility
DWC-010	Dominion Energy	gas	2 inch	Remove Existing Utility
DWC-011	Comcast	bfo		Remove Existing Utility
DWC-012	Clinton City	swr	8 inch	Remove Existing Utility
DWC-013	Comcast	bctv		Remove Existing Utility
DWC-014	Clinton City	sd	36 inch	Remove Existing Utility
DWC-034	RMP	be		Remove Existing Utility
DWC-037	RMP	be		Remove Existing Utility
DWC-055	LDS Church	irr	24 inch	Remove Existing Utility



PROFILE PIRR 03A-01

NOTES
2. ELEVATIONS ARE TO TOP OF OUTSIDE OF PIPE.

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

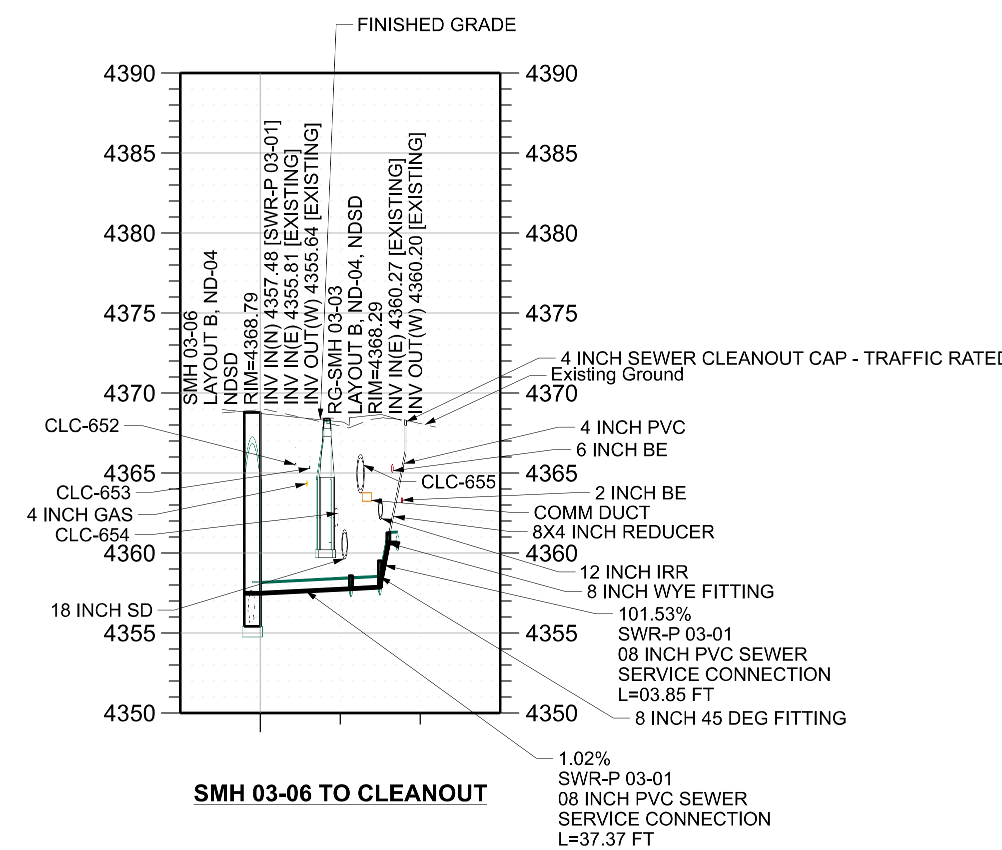
APPROVED
PROFESSIONAL ENGINEER
DATE 7/8/2024
DRAWN BY NEW
QC CHECKED BY MSN

PROJECT I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
DWCCC PIRR PROFILE

SHEET NO. UT-B-03A

EXHIBIT C

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-652	CenturyLink	bfo	8 inch	No Vertical Conflict
CLC-653	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-654	Clinton City	wtr		No Vertical Conflict
CLC-655	LDS Church	irr	24 inch	Remove Existing Utility



SMH 03-06 TO CLEANOUT

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED

PROFESSIONAL ENGINEER

7/8/2024
DATE

DRAWN BY CKK
QC CHECKED BY CAS

PROJECT I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER S-I15-8(157)336

PIN 15682

SEWER PROFILE

SHEET NO. UT-B-03B

EXHIBIT C

CLINTON - SANITARY SEWER SUMMARY (1 OF 1)

ALIGNMENT	FROM STATION		TO STATION		SHEET	5 FOOT DROP SEWER MANHOLE 9 FT TO 11 FT DEEP (CLINTON)	RECONSTRUCT MANHOLE (CLINTON)	SEWER PIPE - 8 INCH, PVC (CLINTON)	SEWER SERVICE CONNECTION - 4 INCH, PVC (CLINTON)	SEWER SERVICE CONNECTION - 6 INCH, PVC (CLINTON)	SEWER SERVICE CONNECTION - 8 INCH, PVC (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	EACH	LF	LF	LF	LF	
SR-37 (1800 North)	250+32.09	21.35 LT	250+32.09	21.35 LT	UT-B-02		1					
SR-37 (1800 North)	252+15.49	02.02 RT	252+14.45	52.50 LT	UT-B-02				55			
SR-37 (1800 North)	254+67.21	06.47 LT	254+71.25	55.50 LT	UT-B-02					49		
SR-37 (1800 North)	255+10.10	69.80 RT	254+67.21	06.47 LT	UT-B-02			88				
SR-37 (1800 North)	255+10.10	69.80 RT	255+10.10	69.80 RT	UT-B-02	1						
SR-37 (1800 North)	256+85.99	14.62 LT	256+84.08	60.00 LT	UT-B-03						46	
TOTAL						**1**	**1**	**88**	**55**	**49**	**46**	

REGION 1 8-JUL-2024 17:14 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-20.dgn

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

APPROVED

PROFESSIONAL ENGINEER

DATE 7/8/2024

DRAWN BY NEW

QC CHECKED BY KNC

PROJECT: I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER: S-I15-8(157)336

PIN 15682

UTILITY SUMMARY

SHEET NO. SMU-20

EXHIBIT C

CLINTON / DWCCC PIPE SUPPORT (1 OF 1)

ALIGNMENT	FROM STATION		TO STATION		SHEET	PIPE SUPPORT (CLINTON)	PIPE SUPPORT (DWCCC)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	EACH	
SR-37 (1800 North)	331+11.40	74.69 RT	331+11.40	74.69 RT	UT-A-05	1		
SR-37 (1800 North)	318+77.35	77.63 LT	318+77.35	77.63 LT	UT-A-05	1		
SR-37 (1800 North)	309+17.22	84.16 LT	309+17.22	84.16 LT	UT-A-05	1		
SR-37 (1800 North)	272+89.55	51.99 RT	272+89.55	51.99 RT	UT-A-05	1		
SR-37 (1800 North)	249+28.55	26.51 LT	249+28.55	26.51 LT	UT-B-02		1	
SR-37 (1800 North)	249+81.18	26.66 LT	249+81.18	26.66 LT	UT-B-02		1	
SR-37 (1800 North)	252+54.00	29.79 LT	252+54.00	29.79 LT	UT-B-02		1	
SR-37 (1800 North)	253+48.63	33.05 LT	253+48.63	33.05 LT	UT-B-02		1	
SR-37 (1800 North)	263+27.66	59.73 LT	263+27.66	59.73 LT	UT-B-03		1	
SR-37 (1800 North)	260+11.66	41.65 LT	260+11.66	41.65 LT	UT-B-03		1	
SR-37 (1800 North)	278+66.08	01.77 LT	278+66.08	01.77 LT	UT-B-05		1	
SR-37 (1800 North)	284+24.59	57.97 LT	284+24.59	57.97 LT	UT-B-06		1	
SR-37 (1800 North)	288+13.31	56.12 LT	288+13.31	56.12 LT	UT-B-07		1	
SR-37 (1800 North)	294+23.90	59.69 LT	294+23.90	59.69 LT	UT-B-07		1	
SR-37 (1800 North)	309+45.44	76.77 RT	309+45.44	76.77 RT	UT-B-09		1	
SR-37 (1800 North)	304+50.97	32.25 RT	304+50.97	32.25 RT	UT-B-09		1	
TOTAL						4	12	

REGION 1 8-JUL-2024 16:33 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-79.dgn

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED

PROFESSIONAL ENGINEER

7/8/2024
DATE

DRAWN BY NEW

QC CHECKED BY KNC

PROJECT I-15; 1800 NORTH INTERCHANGE

PIN 15682

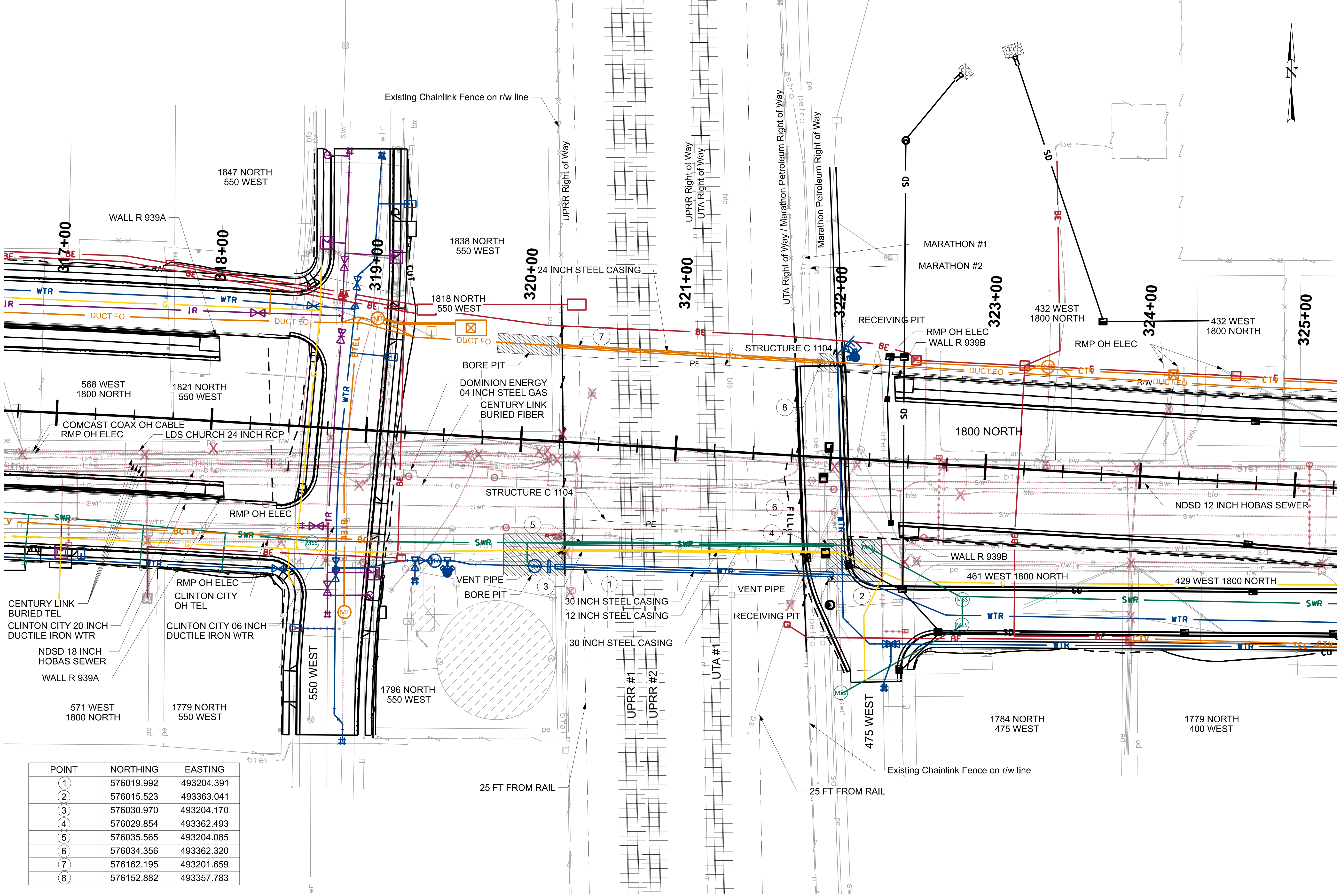
PROJECT NUMBER S-I15-8(157)336

UTILITY SUMMARY

SHEET NO. SMU-79

EXHIBIT D

DOT_805619V_MP 081.310 Salt Lake_-112.035560, 41.139875_SUNSET_UT_1800 N 500 W



POINT	NORTHING	EASTING
1	576019.992	493204.391
2	576015.523	493363.041
3	576030.970	493204.170
4	576029.854	493362.493
5	576035.565	493204.085
6	576034.356	493362.320
7	576162.195	493201.659
8	576152.882	493357.783

UTILITY / RAIL ROAD CROSSING DETAIL

GENERAL DETAILS

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY: LCJ

QC CHECKED BY: MSN

DATE: 7/8/2024

APPROVED

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

PIN: 15682

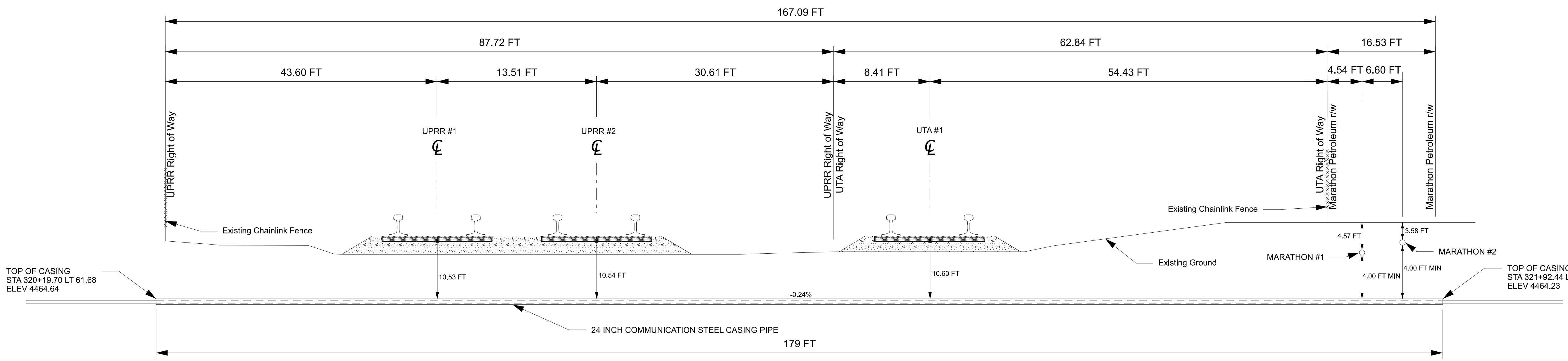
PROJECT NUMBER: S-I15-8(157)336

GENERAL DETAILS

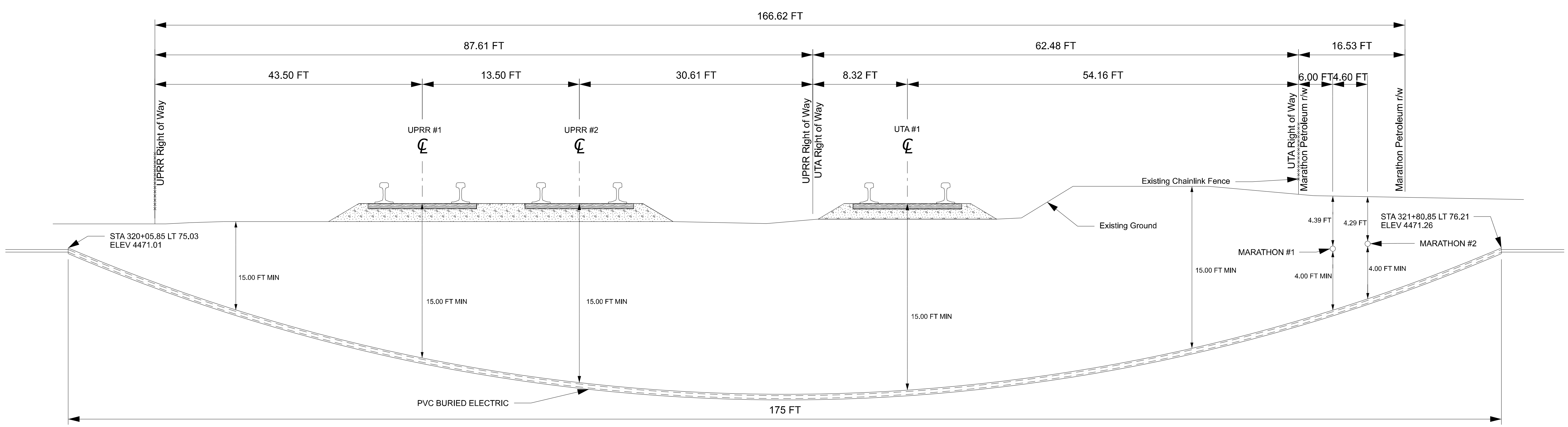
SHEET NO. UTDT-02A

EXHIBIT D

DOT_805619V_MP 081.310 Salt Lake_-112.035560, 41.139875_SUNSET_UT_1800 N 500 W



JOINT COM TRENCH PROFILE
(JACK AND BORE INSTALLATION METHOD)



BURIED ELECTRIC PROFILE (BY OTHERS)
(DIRECTIONAL BORE INSTALLATION METHOD)

NOTES:
1. ALL MEASUREMENTS SHOWN ARE DESIGN MEASUREMENTS.

GENERAL DETAILS

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

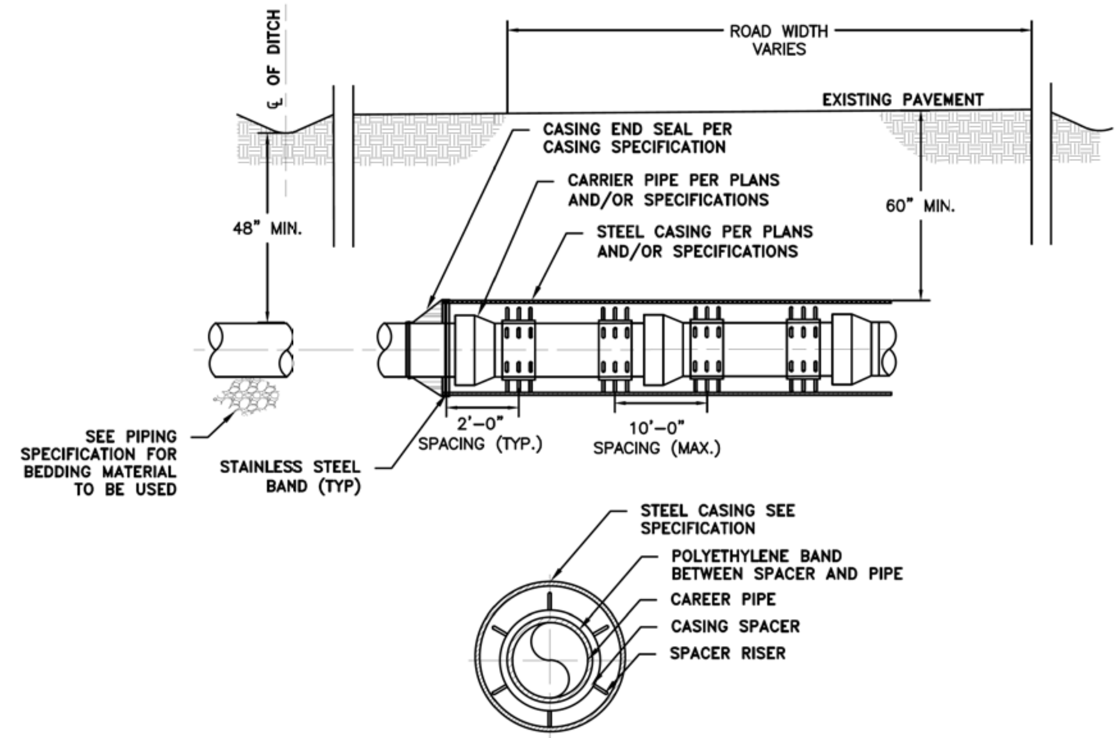
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY	LCJ
QC CHECKED BY	MSN
DATE	7/8/2024
APPROVED	PROFESSIONAL ENGINEER

PROJECT	I-15; 1800 NORTH INTERCHANGE
PIN	15682
PROJECT NUMBER	S-I15-8(157)336
	GENERAL DETAILS

SHEET NO. UTDT-02C

EXHIBIT D



STANDARD NUMBER OF RUNNERS REQUIRED

UP TO 14" CARRIER PIPE	– 4 REQUIRED
OVER 14" THROUGH 36" CARRIER PIPE	– 6 REQUIRED
OVER 36" THROUGH 48" CARRIER PIPE	– 7 REQUIRED

NOTE:

2. SPACERS SHALL BE BOLT–ON STYLE WITH A TWO PIECE SOLID SHELL MADE FROM T–304 STAINLESS STEEL OF A MINIMUM 14 GAUGE THICKNESS. THE SHELL SHALL BE LINED WITH A RIBBED PVC SHEET OF A 0.090" THICKNESS THAT OVERLAPS THE EDGES. RUNNERS SHALL BE MADE FROM UHMW POLYMER TO INSULATE SPACERS FROM CASING. RISERS SHALL BE MADE FROM T–304 STAINLESS STEEL OF A MINIMUM 14 GAUGE THICKNESS AND SHALL BE ATTACHED TO THE SHELL BY MIG WELDING. ALL WELDS SHALL BE FULLY PASSIVATED. ALL FASTENERS SHALL BE MADE FROM T–304 STAINLESS STEEL.
3. GENERALLY ONE SPACER SHALL BE PLACED NOT MORE THAN TWO FEET FROM EACH END OF CASING. SUBSEQUENT SPACERS SHALL BE PLACED AT 6' TO 10' INTERVALS WITHIN THE CASING, OR IN ACCORDANCE WITH PIPE MANUFACTURER'S RECOMMENDATIONS.
4. FOR PVC CARRIER PIPE, ONE SPACER SHALL BE PLACED ON THE SPIGOT END OF EACH SEGMENT AT THE LINE MARKING THE LIMIT OF INSERTION INTO THE BELL. WHEN THE JOINT IS COMPLETE, THE SPACER SHALL BE IN CONTACT WITH THE BELL OF THE JOINT SO THAT THE SPACER PUSHES THE JOINT AND RELIEVES COMPRESSION WITHIN THE JOINT. SUBSEQUENT SPACERS SHALL BE PLACED AT 6' TO 10' INTERVALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
5. ALL CARRIER PIPE SHALL BE CENTERED WITHIN CASING BY USE OF STAINLESS STEEL CASING SPACERS. PVC CARRIER LESS THAN 12" DIAMETER ARE PERMITTED TO BE PLACED IN CASING PIPE BY USE OF HDPE CASING SPACERS.

REVISIONS

AMERICAN WATER MILITARY SERVICES GROUP
CIVIL
CASING INSTALLATION
DETAIL

AMERICAN WATER MILITARY SERVICES GROUP
CAMDEN, NJ 08102

AMERICAN WATER M.S.G.
1 WATER STREET
CAMDEN, NJ 08102

AMERICAN WATER

DRAWN BY PDK
PROJECT ENG'R PDK
APPROVED
DATE 06-30-2013
PROJECT N/A
USE DIMENSIONS ONLY
SCALE N.T.S.

USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES

MSG-ST-03-HAFB

FINAL

MSG-ST-03-HAFB

GENERAL DETAILS

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

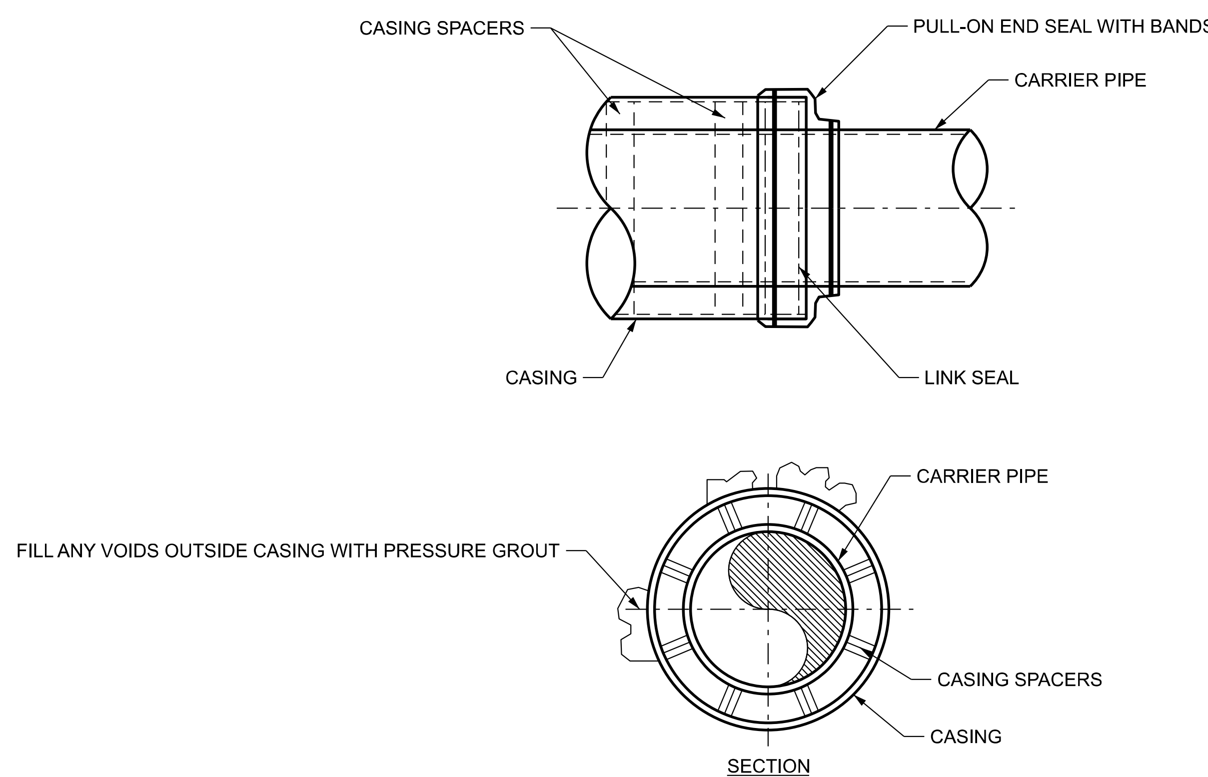
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY LCJ
QC CHECKED BY MSN
APPROVED
7/8/2024 DATE
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
GENERAL DETAILS

SHEET NO. UTDT-02D

EXHIBIT D



SEE THE PLANS AND SPECIFICATIONS
FOR MORE INFORMATION.

STEEL CASING FOR WATER PIPE

NOTES:
1. WHEN CASING IS INSTALLED IN AN OPEN TRENCH, BED AND BACKFILL AS SPECIFIED FOR CULINARY AND SECONDARY WATER PIPES.

GENERAL DETAILS

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

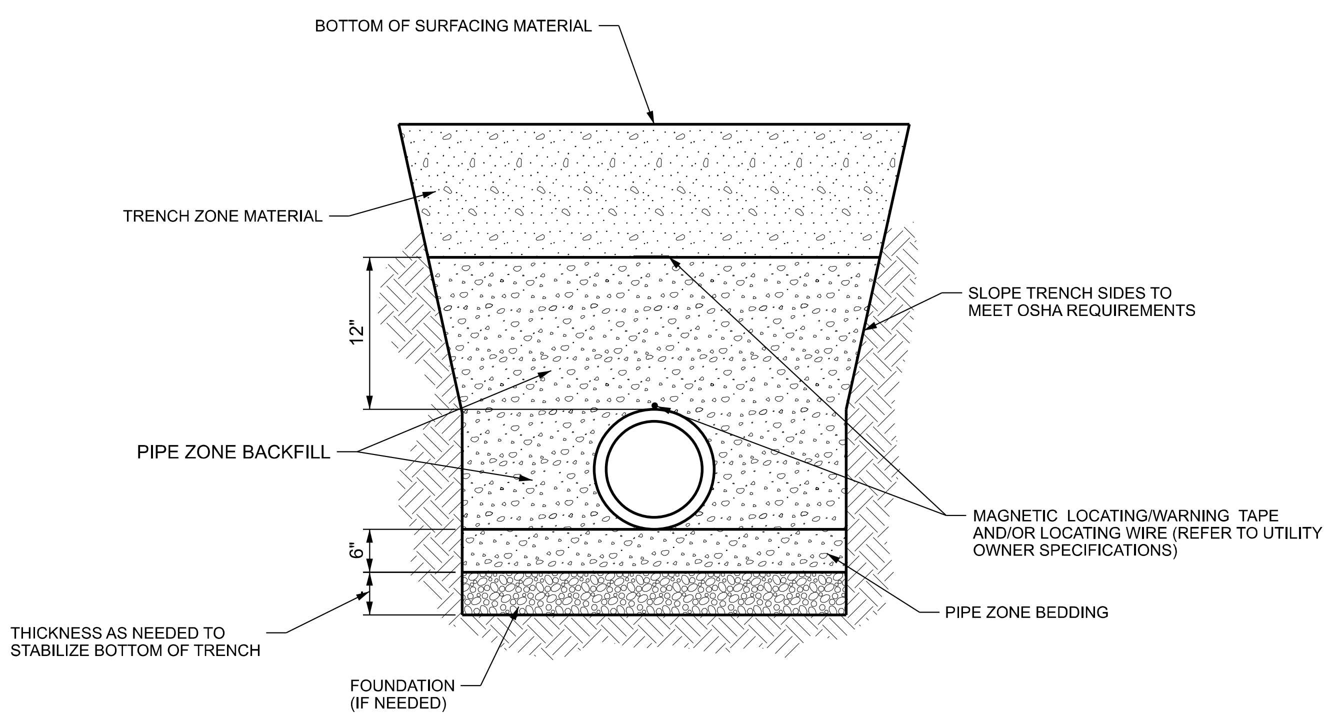
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY: LCJ
QC CHECKED BY: MSN
APPROVED
PROFESSIONAL ENGINEER
DATE: 7/8/2024

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
GENERAL DETAILS

SHEET NO. UTDT-02E

EXHIBIT D



CULINARY AND SECONDARY WATER PIPE TRENCH SECTION

GENERAL DETAILS

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY JMM
QC CHECKED BY MSN

APPROVED

PROFESSIONAL ENGINEER

7/8/2024
DATE

PROJECT: I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER: S-I15-8(157)336

PIN 15682

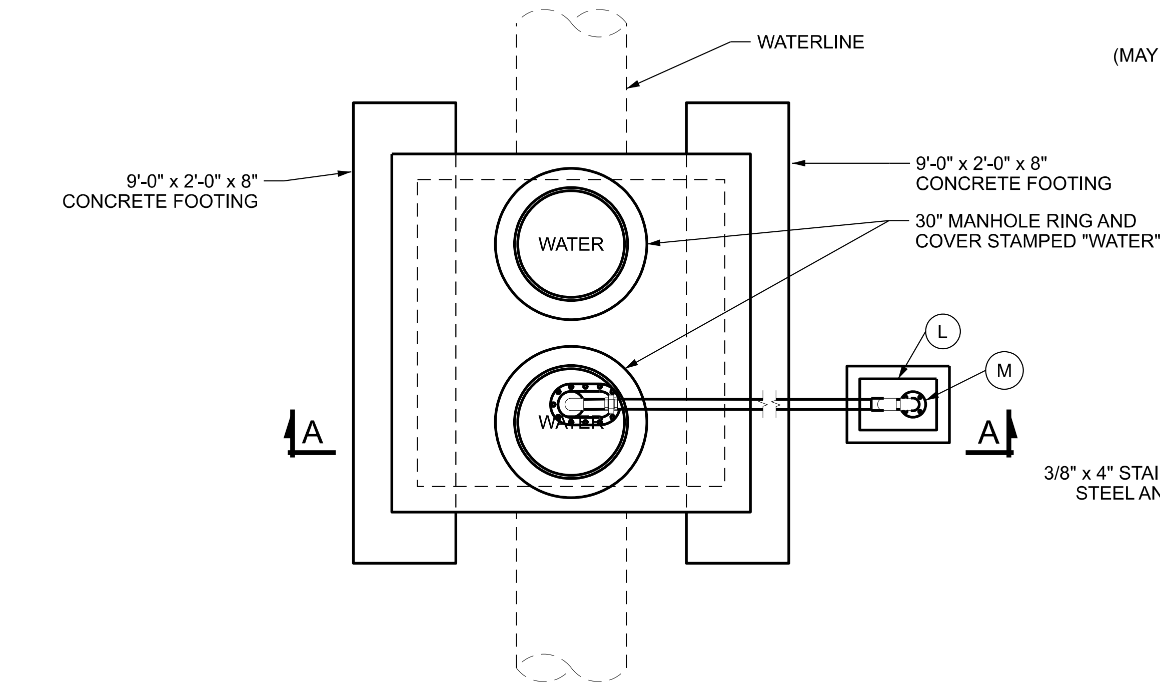
GENERAL DETAILS

SHEET NO. UTDT-02F

EXHIBIT D

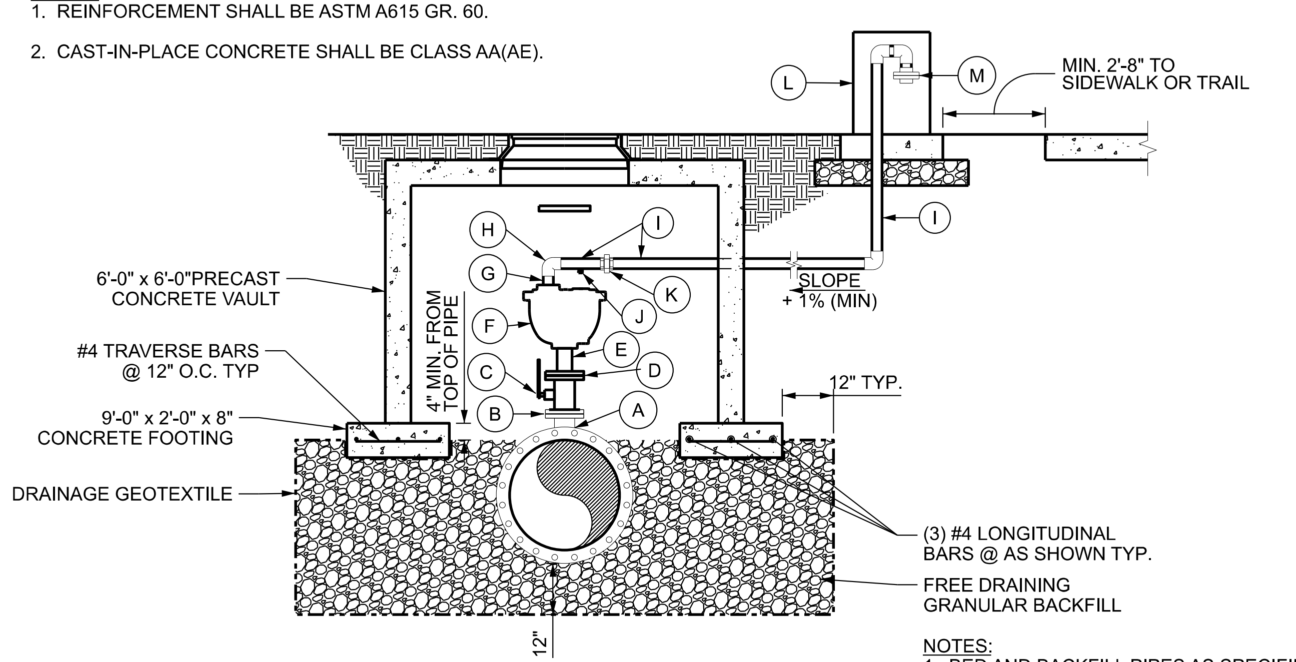
PIPE & FITTING SCHEDULE

NO.	DESCRIPTION (PARTS SIZE MATCHES VALVE SIZE)	FITTING
A	REFER TO COMBINATION AIR VALVE CONNECTION TO PIPE DETAIL	
B	REFER TO COMBINATION AIR VALVE CONNECTION TO PIPE DETAIL	
C	STAINLESS STEEL ISOLATION BALL VALVE	FLG x FLG
D	BRASS FLANGE ADAPTER WITH ISOLATION KIT	FLG x FLG
E	BRASS NIPPLE (6" LONG)	MPT x MPT
F	COMBINATION AIR VALVE	FPT x FPT
G	SCHEDULE 80 PVC NIPPLE (3" LONG)	MPT
H	SCHEDULE 80 PVC 90 DEG BEND	FPT x SOCKET
I	SCHEDULE 80 PVC PIPE AND FITTINGS AS REQUIRED	SMOOTH/SOCKET
J	BRASS AUTOMATIC DRAIN VALVE	MPT
K	SCHEDULE 80 PVC UNION	
L	VENT PIPE STRUCTURE (SEE DETAIL THIS SHEET)	
M	2 SCHEDULE 80 PIPE FLANGES WITH #14 MESH AND #4 MESH WIRE CLOTH BETWEEN FLANGES (WITH #14 ON TOP OF #4)	

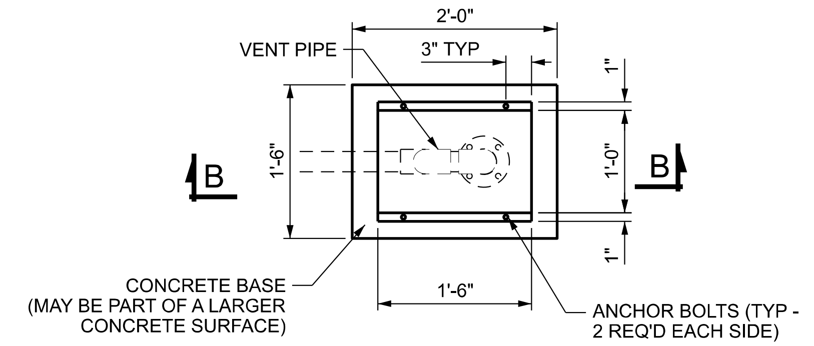


PLAN

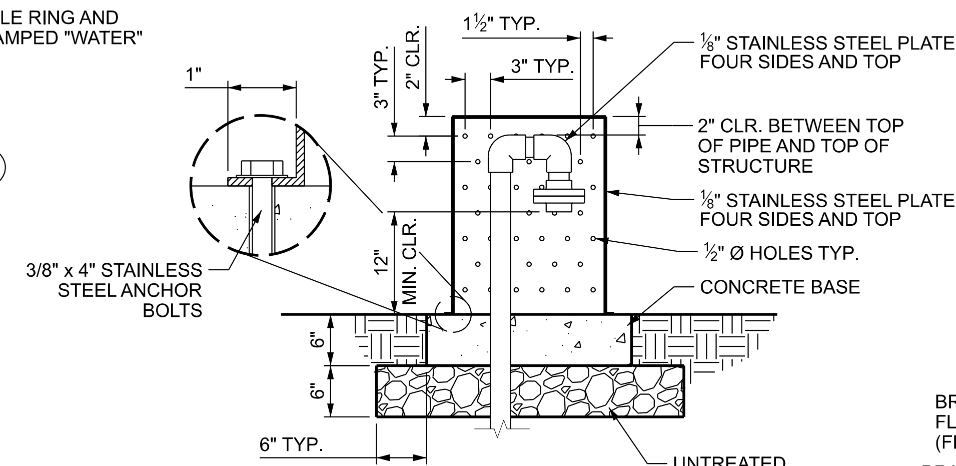
NOTES:
1. REINFORCEMENT SHALL BE ASTM A615 GR. 60.
2. CAST-IN-PLACE CONCRETE SHALL BE CLASS AA(AE).



SECTION A-A
COMBINATION AIR VALVE ASSEMBLY

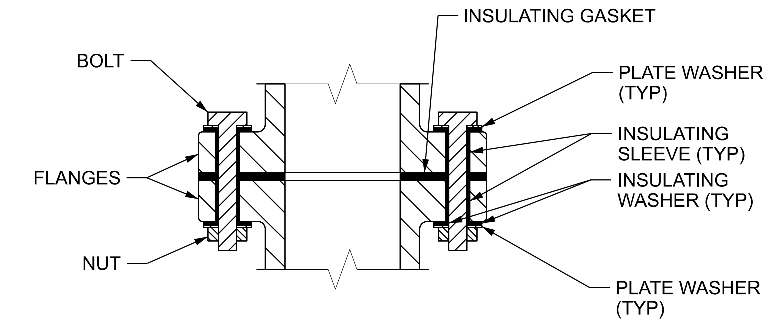


PLAN

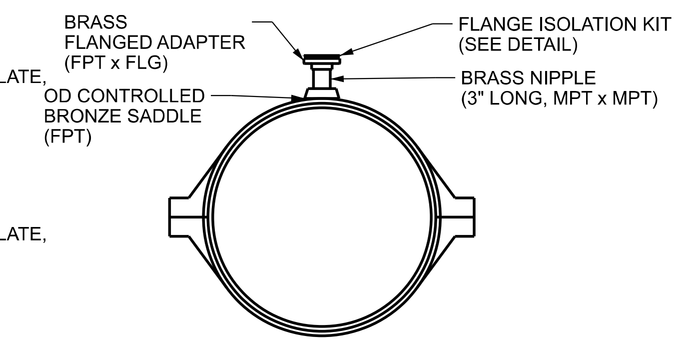


SECTION B-B

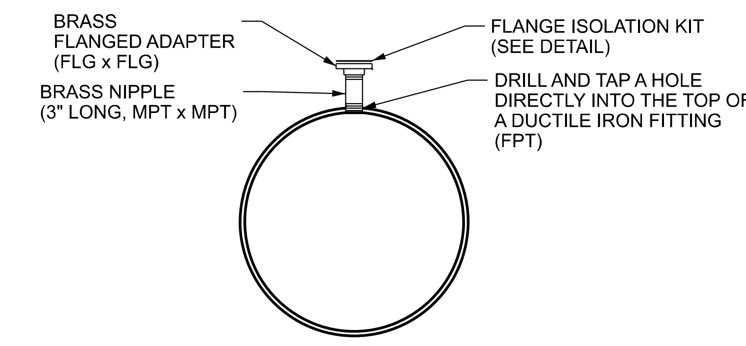
VENT PIPE STRUCTURE



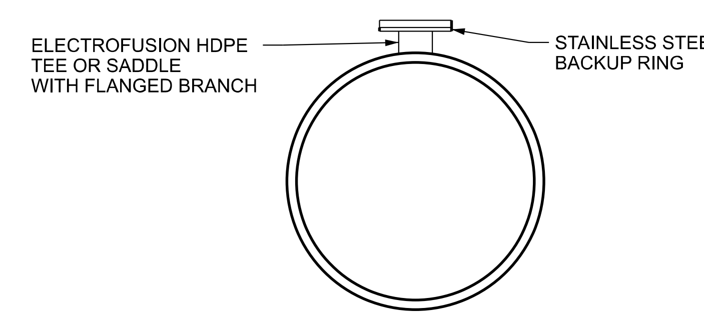
FLANGE ISOLATION KIT



1" AND 2" COMBINATION AIR VALVE CONNECTION TO 8" - 12" PVC PIPE



1" AND 2" COMBINATION AIR VALVE CONNECTION TO 14" - 20" PIPE



3" COMBINATION AIR VALVE CONNECTION TO HDPE PIPE

NOTES:
1. BED AND BACKFILL PIPES AS SPECIFIED FOR CULINARY AND SECONDARY WATER PIPES.
2. BACKFILL VAULT AS SPECIFIED FOR VERTICAL CULINARY AND SECONDARY WATER COMPONENTS.
3. USE STAINLESS STEEL BOLTS, WASHERS, AND NUTS.

COMBINATION AIR VALVE CONNECTION TO PIPE

GENERAL DETAILS

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

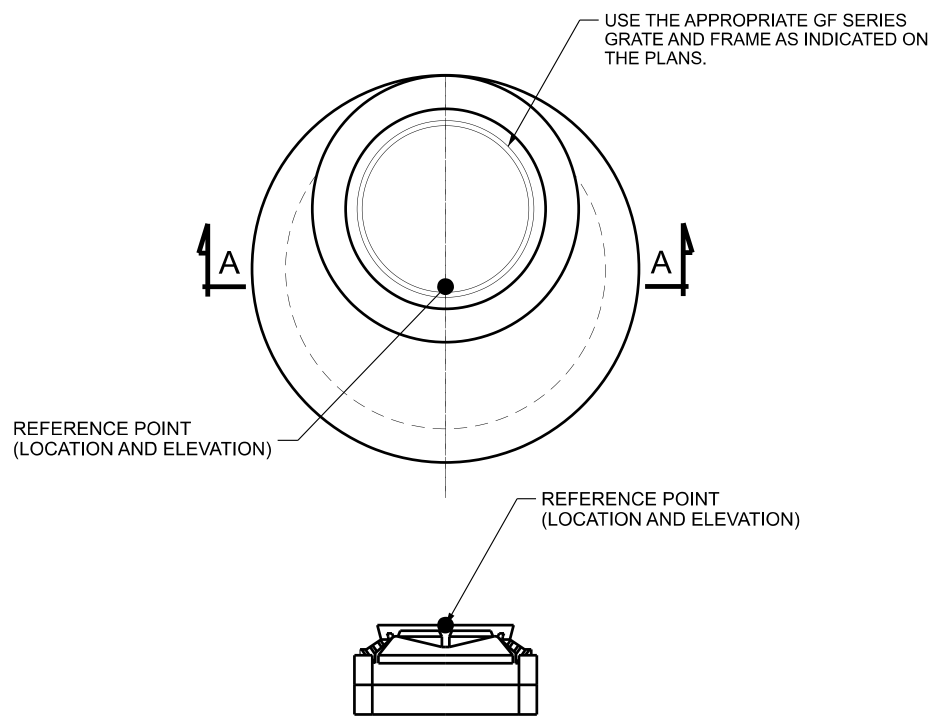
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY: JMM
QC CHECKED BY: MSN
DATE: 7/8/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN: 15682
PROJECT NUMBER: S-I15-8(157)336
GENERAL DETAILS

SHEET NO. UTDT-02G

EXHIBIT D

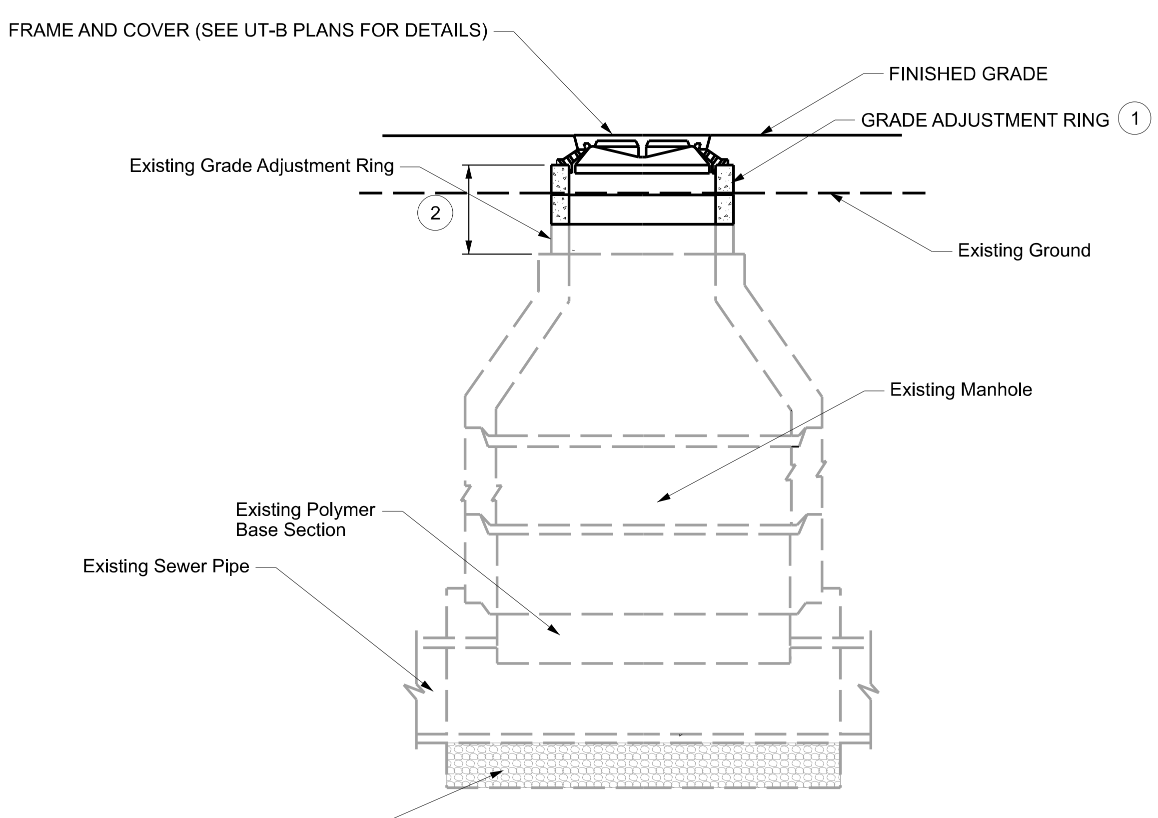


SECTION A-A

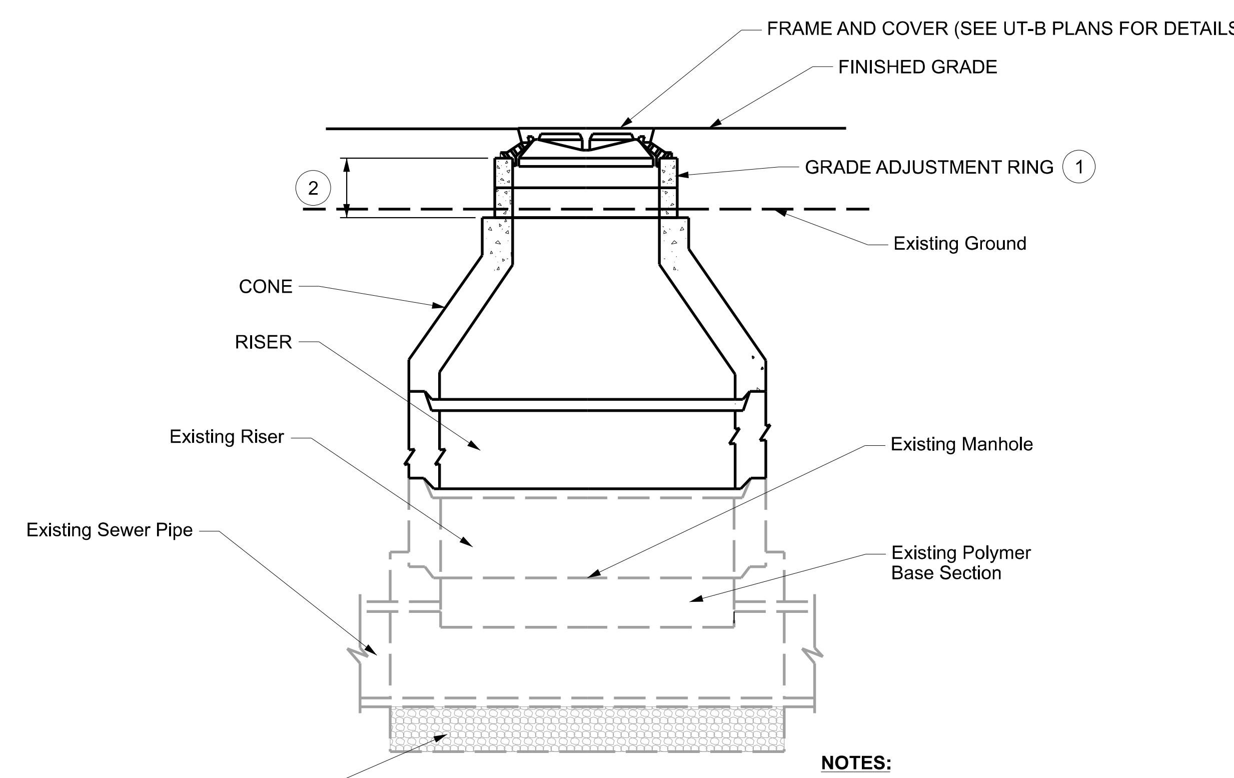
MANHOLE PLACEMENT

SEWER RECONSTRUCTION TABLE							
STRUCTURE ID NUMBER	EXISTING ELEVATION	PROPOSED ELEVATION	UTILITY	SIZE	OWNER	ADJUSTMENT	REMARKS
RG-SMH CL07039	4365.54	4365.57	Sewer Manhole	48 inch	NDSD	0.03	
RG-SMH CL07040	4365.54	4365.57	Sewer Manhole	48 inch	NDSD	0.03	
RG-SMH 02-03	4357.93	4357.61	Sewer Manhole	48 inch	CLINTON	-0.32	
RG-SMH CL07041	4372.52	4372.20	Sewer Manhole	60 inch	NDSD	-0.32	
RG-SMH CL07042	4377.22	4377.33	Sewer Manhole	60 inch	NDSD	0.11	
RG-SMH CL03012B	4380.38	4380.39	Sewer Manhole	60 inch	NDSD	0.01	
RG-SMH CL07043	4380.70	4380.91	Sewer Manhole	72 inch	NDSD	0.21	
RG-SMH CL05000	4381.86	4381.94	Sewer Manhole	60 inch	NDSD	0.08	
RG-SMH CL08002	4381.85	4381.78	Sewer Manhole	60 inch	NDSD	-0.07	
RG-SMH CL08001	4380.17	4380.30	Sewer Manhole	60 inch	NDSD	0.13	
RG-SMH CL08003	4385.86	4386.38	Sewer Manhole	60 inch	NDSD	0.52	
RG-SMH CL08004	4388.07	4389.18	Sewer Manhole	60 inch	NDSD	1.11	
RG-SMH CL05001	4387.80	4388.20	Sewer Manhole	60 inch	NDSD	0.4	
RG-SMH CL05002	4394.63	4394.65	Sewer Manhole	60 inch	NDSD	0.02	
RG-SMH CL05003	4399.60	4399.09	Sewer Manhole	60 inch	NDSD	-0.51	
RG-SMH CL05004	4402.69	4402.64	Sewer Manhole	60 inch	NDSD	-0.05	
RG-SMH CL05005	4415.49	4415.23	Sewer Manhole	60 inch	NDSD	-0.26	
RG-SMH 06-04	4415.76	4415.67	Sewer Manhole	48 inch	NDSD	-0.09	
RG-SMH CL05006	4417.14	4416.69	Sewer Manhole	60 inch	NDSD	-0.45	
RG-SMH CL05007	4426.37	4425.80	Sewer Manhole	60 inch	NDSD	-0.57	
RG-SMH CL05008	4431.36	4431.98	Sewer Manhole	60 inch	NDSD	0.62	
RG-SMH CL05009	4441.87	4440.41	Sewer Manhole	60 inch	NDSD	-1.46	
RG-SMH CL05010	4448.01	4450.81	Sewer Manhole	60 inch	NDSD	2.8	
RG-SMH CL05011	4457.16	4457.19	Sewer Manhole	60 inch	NDSD	0.03	
RG-SMH ST01004	4507.11	4506.83	Sewer Manhole	60 inch	NDSD	-0.28	
RG-SMH 12-02	4507.55	4506.96	Sewer Manhole	60 inch	NDSD	-0.59	
RG-SMH ST01005	4516.59	4515.79	Sewer Manhole	60 inch	NDSD	-0.8	
RG-SMH ST01006	4519.61	4518.70	Sewer Manhole	60 inch	NDSD	-0.91	
RG-SMH ST01007	4527.91	4527.10	Sewer Manhole	60 inch	NDSD	-0.81	
RG-SMH ST01008	4544.95	4544.15	Sewer Manhole	60 inch	NDSD	-0.8	
RG-SMH ST01009	4544.58	4544.48	Sewer Manhole	60 inch	NDSD	-0.1	

* SEE UT-B SERIES FOR STRUCTURE LOCATIONS



MANHOLE ADJUST TO GRADE



MANHOLE RECONSTRUCT

NOTES:

1. SEE TABLE THIS SHEET FOR STRUCTURE GRADE ADJUSTMENT HEIGHT
2. NUMBER OF RISERS TO BE FIELD VERIFIED

GENERAL DETAILS

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED

PROFESSIONAL ENGINEER

DATE 7/8/2024

DRAWN BY LCJ

QC CHECKED BY MSN

PROJECT: I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER: S-I15-8(157)336

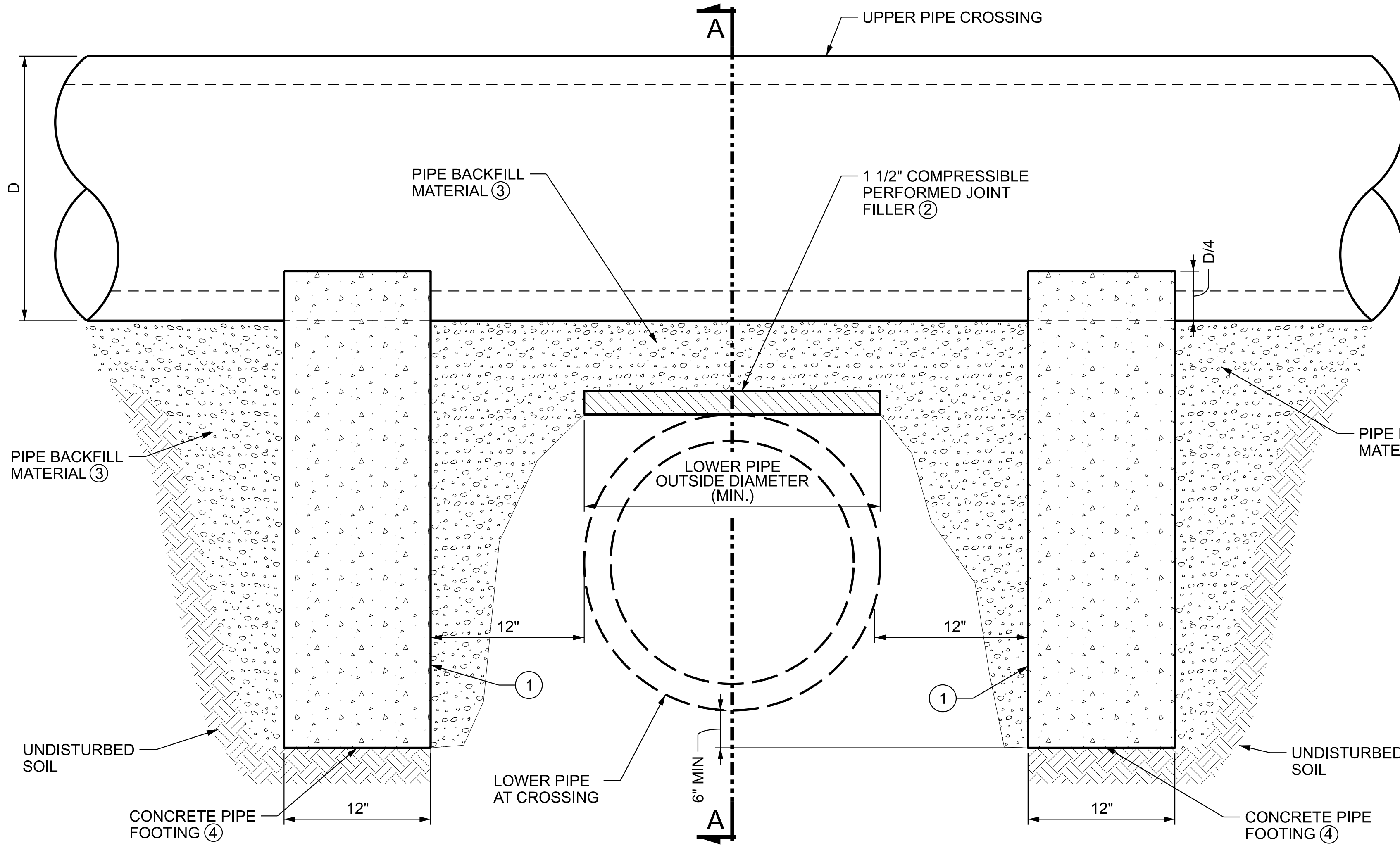
PIN 15682

GENERAL DETAILS

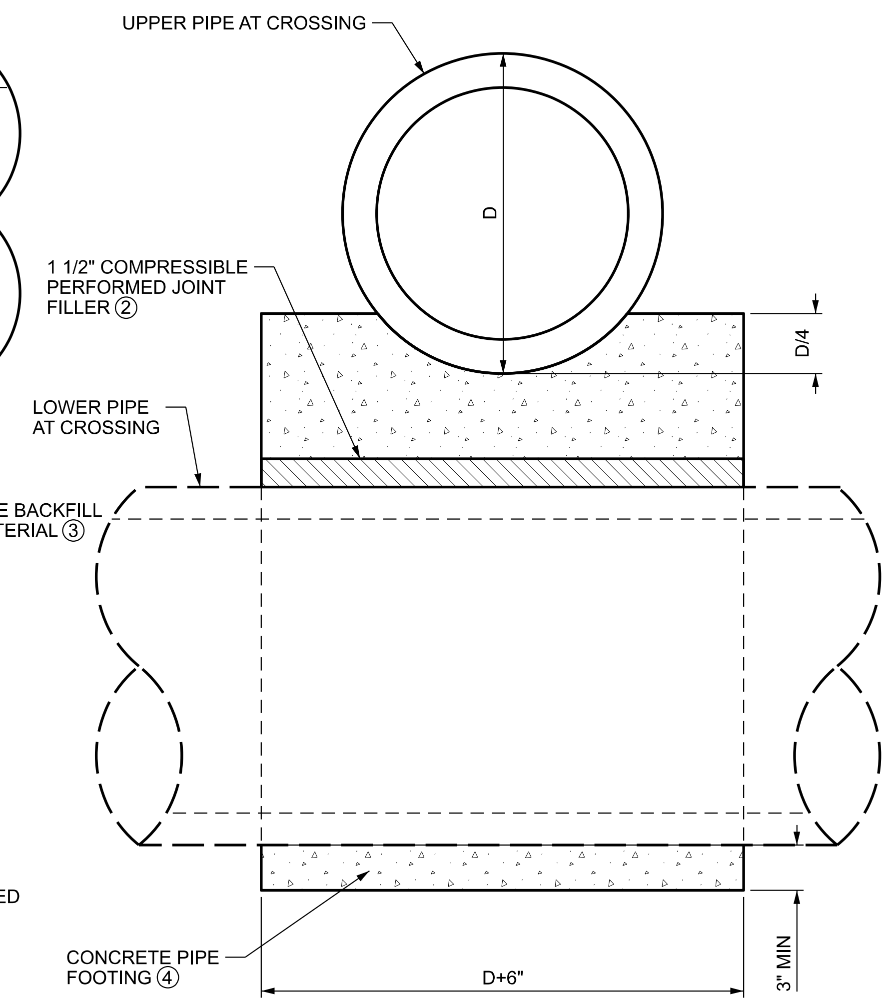
SHEET NO. UTDT-02H

EXHIBIT D

NOTES:
1. FORM SURFACE OF FOOTINGS TO KEEP 12 INCH INTERIOR ZONE CLEAR OF CONCRETE.
2. COMPRESSIBLE PREFORMED JOINT FILLER PER AASHTO M 213.
3. PIPE BACKFILL MATERIAL PER UTILITIES SPECIFICATIONS. FLOABLE FILL IS NOT AN ALLOWABLE PIPE BACKFILL MATERIAL.
4. USE CLASS AA (AE) CONCRETE.



ELEVATION VIEW



SECTION A-A

PIPE SUPPORT DETAIL

GENERAL DETAILS

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

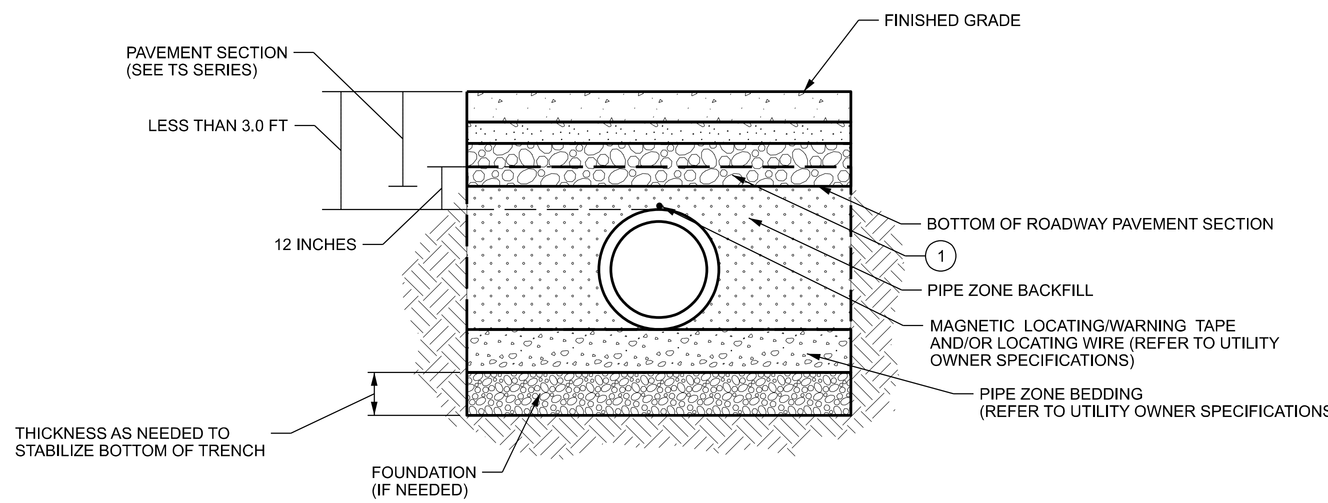
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY LCJ
QC CHECKED BY MSN
7/8/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER: S-I15-8(157)336
GENERAL DETAILS

SHEET NO. UTDT-02I

EXHIBIT D



SHALLOW UTILITY INSTALLATION
(LESS THAN 3 FT OF COVER TO FINISHED GRADE)

NOTES:

1 WHERE THE BOTTOM OF THE PAVEMENT SECTION IS LESS THAN 12 INCHES ABOVE THE UTILITY, REDUCE PIPE ZONE BACKFILL HEIGHT AS NECESSARY TO ACHIEVE GRANULAR BORROW THICKNESS.

NOTES:
1. THIS DETAIL TO BE USED WHEN UTILITY PIPE BACKFILL CONFLICTS WITH ROADWAY PAVEMENT SECTION

GENERAL DETAILS

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

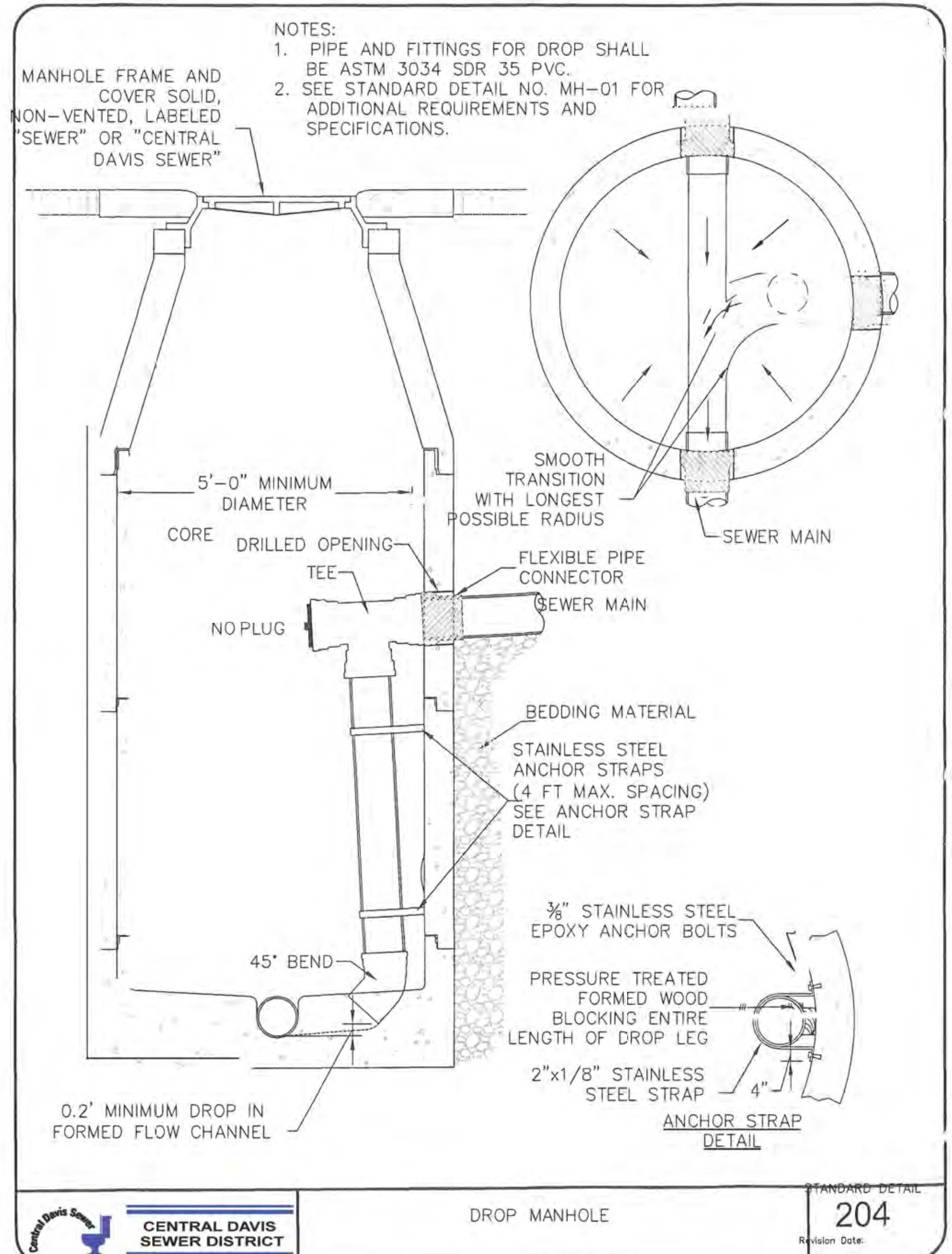
DRAWN BY LCJ
QC CHECKED BY MSN

APPROVED
7/8/2024
DATE
PROFESSIONAL ENGINEER

PROJECT I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER S-I15-8(157)336
PIN 15682
GENERAL DETAILS

SHEET NO. UTDT-02K

EXHIBIT D



REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

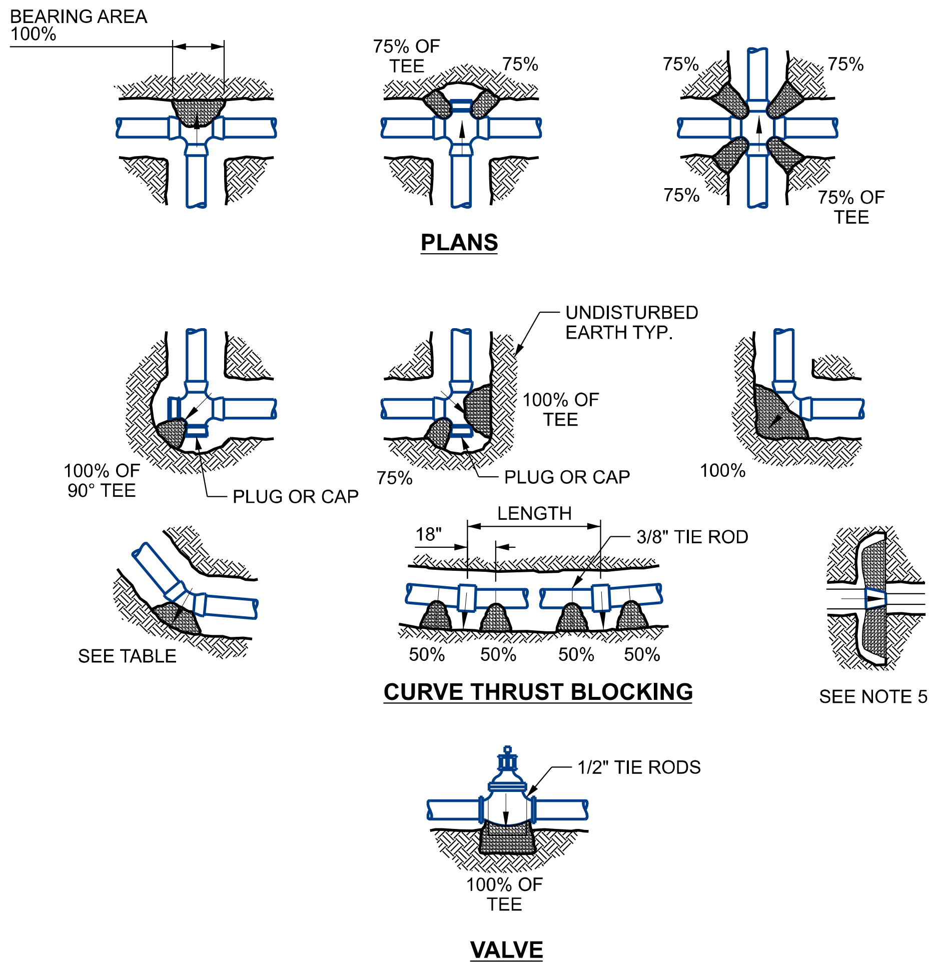
DRAWN BY LCJ
QC CHECKED BY MSN
APPROVED
PROFESSIONAL ENGINEER
7/8/2024
DATE

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER: S-I15-8(157)336
CLINTON DETAILS

CLINTON DETAILS

SHEET NO. UTDT-07A

EXHIBIT D



ALL MJ AND FLANGED FITTINGS TO BE WRAPPED WITH POLYETHYLENE WRAP PRIOR TO POURING THRUST BLOCK.

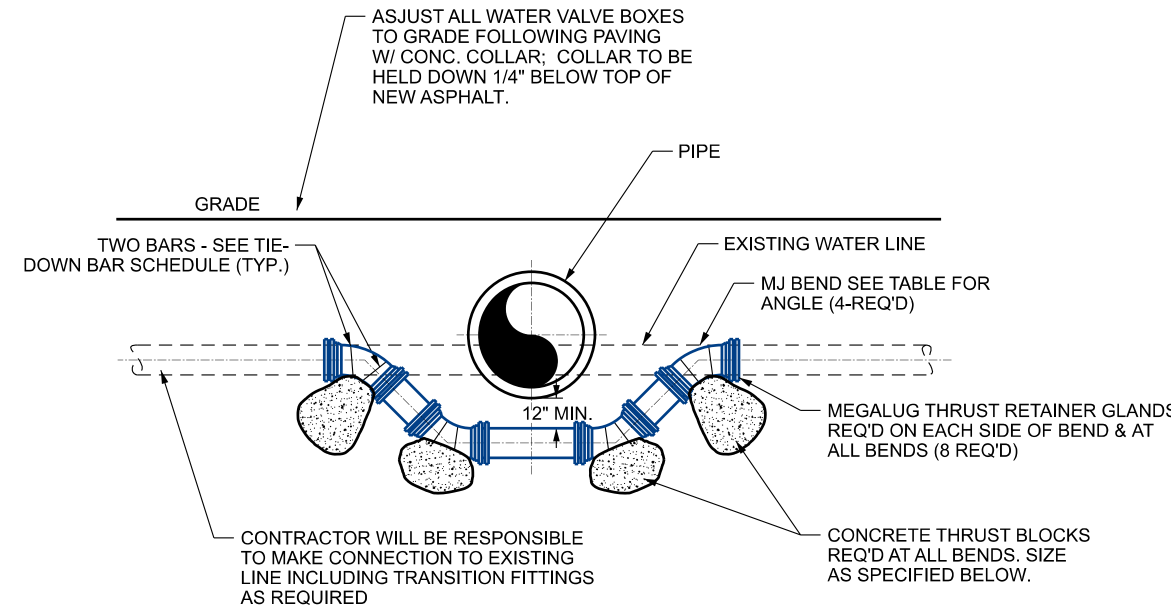
DETAILS NOTES:
1. FIGURE (100%) AT THRUST BLOCK INDICATED PERCENT OF TOTAL THRUST TO BE APPLIED FOR BEARING AREA.
2. ARROW (→) INDICATED THRUST DIRECTION.
3. CONCRETE FOR THRUST BLOCK TO BE 4000 P.S.I.
4. TO DETERMINE THE SIDE THRUST ON A TEE, USE THE SIZE OF THE PIPE AT THE BRANCH OF THE TEE.
5. TO DETERMINE THE THRUST, USE THE DIFFERENCE BETWEEN DEAD END THRUST CALCULATED FOR THE SIZES OF THE TWO ENDS OF THE REDUCER.

EXAMPLE:
8" 90° ELBOW, PRESSURE-200 LB. / SQ. IN.
FROM TABLE: THRUST = 94 X 200 = 18800 LB.
ASSUME BEARING STRENGTH OF SOIL = 2000 LB. / SQ. FT.
$\frac{18000}{2000}$ = 9.4 SQ. FT. = AREA OF BEARING REQUIRED FOR THRUST BLOCK.

SIDE THRUST PER 1 PSI					
PIPE SIZE	DEAD END OR TEE	90° ELBOW	45° ELBOW	22.5° ELBOW	11.25° ELBOW
4	19	27	15	7	4
6	39	55	30	15	8
8	67	94	51	26	14
10	109	154	84	43	21
12	155	218	119	61	30
14	210	296	161	82	41
16	272	383	209	106	54
18	351	494	269	137	68
20	434	611	333	169	84
24	623	878	478	244	120

TABLE NOTES:
1. IN USING THE ABOVE TABLES, USE THE MAXIMUM INTERNAL PRESSURE ANTICIPATED (I.E. HYDROSTATIC TEST PRESSURE, POSSIBLE SURGE PRESSURE DUE TO PUMP SHUTOFF, ETC)
2. SEE SOILS REPORT FOR BEARING STRENGTH OF SOIL. IN THE ABSENCE OF A SOILS REPORT, AN AVERAGE SOIL (SPADABLE MEDIUM CLAY) CAN BE ASSUMED TO HAVE A BEARING STRENGTH OF 2000 P.S.F.

THRUST BLOCKS



NOTES:
1. BEFORE RELOCATING AN EXISTING WATER LINE THE CONTRACTOR SHALL NOTIFY ALL AFFECTED BUSINESSES AND RESIDENTS 24 HOURS BEFORE CONSTRUCTION. THE CONTRACTOR MUST DEMONSTRATE TO THE CITY THAT ALL OF THE MATERIALS ARE ON HAND THAT MAY BE NEEDED BEFORE RELOCATING ANY WATER LINES, RELOCATION OF WATER LINES WILL NOT BE STARTED AFTER 10:00 A.M.. THE CITY SHALL OPERATE ALL MAINLINE WATER VALVES AND THE CONTRACTOR MUST CONTACT THE CITY IF SERVICE IS REQUIRED.
2. ALL MJ AND FLANGED FITTINGS TO BE WRAPPED WITH POLYETHYLENE WRAP PRIOR TO POURING THRUST BLOCK.
3. REFER TO THE HORIZONTAL THRUST BLOCK DETAIL TO SIZE THRUST BLOCKS THAT MUST RESIST A DOWNWARD FORCE AND TO CALCULATE THE UPWARD THRUST.
4. THE WEIGHT OF THE CONCRETE SHALL RESIST 100% OF THE TOTAL UPWARD THRUST, TAKING INTO ACCOUNT THE DIFFERENCE IN DIRECTION OF THE FORCE VECTOR OF THRUST AND THE FORCE VECTOR OF GRAVITY.
5. TIE-DOWN BARS SHALL HAVE A HOOK AT THE EMBEDDED END CONSISTING OF A 3" DIAMETER CURVE THROUGH 180° WITH AT LEAST 3" OF STRAIGHT BAR BEYOND THE CURVE.
6. TIE DOWN BARS SHALL BE BILLET DEFORMED STEEL, ASTM A615 WITH A MINIMUM STRESS YIELD STRENGTH OF 60 KSI.

TIE-DOWN BAR SCHEDULE		
PIPE SIZE	BAR SIZE	EMBEDMENT DEPTH (FT)*
6"	#5	3.5
8"	#5	4.0
10"	#5	5.0
12"	#6	5.0
14" AND LARGER, MATCH 12"		
* MEASURED FROM NEAREST EDGE OF PIPE		

THRUST BLOCKS ON VERTICAL BENDS

SOURCE: CLINTON CITY STANDARD DRAWINGS (MODIFIED)

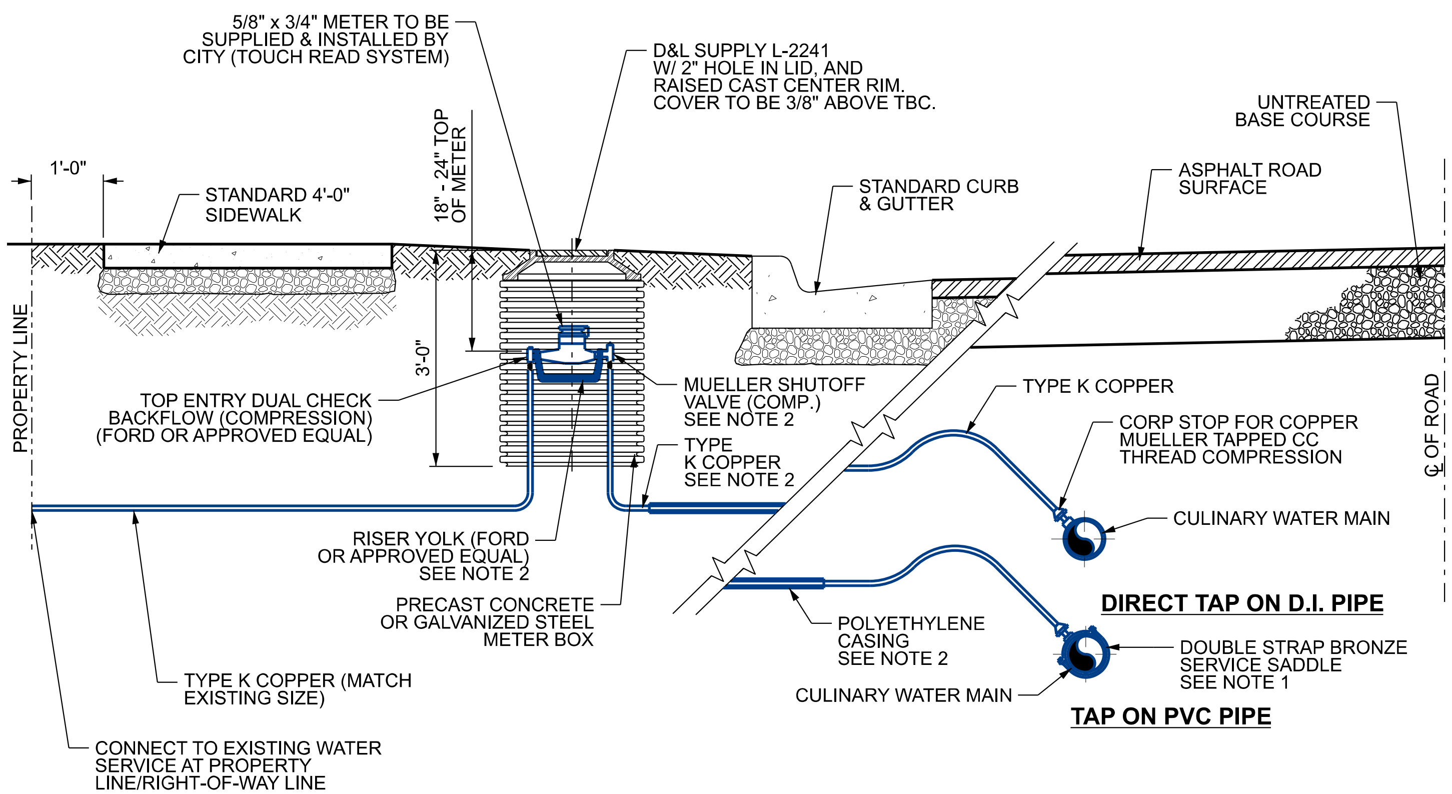
CLINTON DETAILS

REVISIONS
NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
DRAWN BY LCJ
QC CHECKED BY MSN
7/8/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN 15682
CLINTON DETAILS
SHEET NO. UTDT-07B

EXHIBIT D

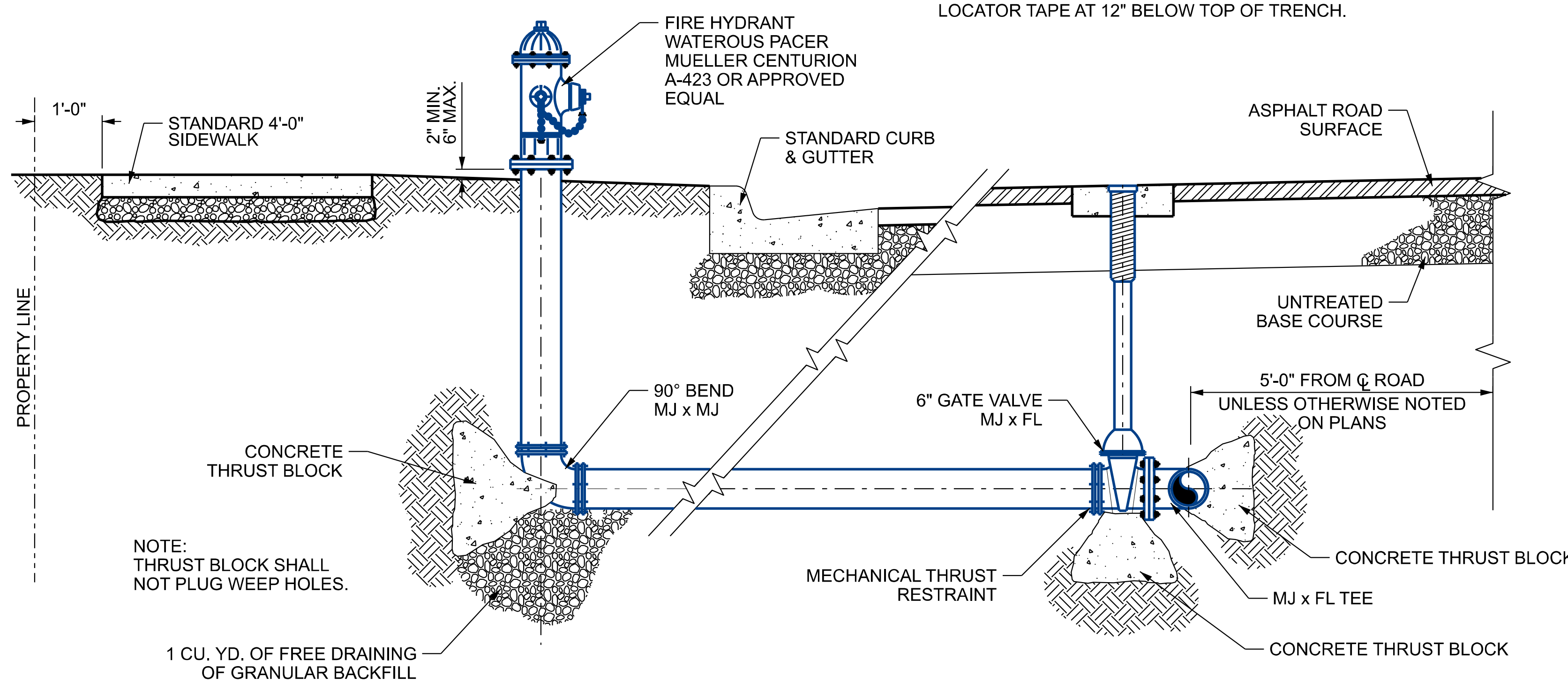


TYPICAL WATER CONNECTION

CLINTON CITY CORPORATION WATER SERVICE INFORMATION					
SERVICE SIZE	METER BOX SIZE	TYPE OF MATERIAL FOR METER BOX	WATER METER	CONNECTION TYPE	BYPASS
3/4"	18" DIA.	CONCRETE, CORREGATED, POLYETHYLENE	BY CITY	COMPRESSION	NO
1"	24" DIA.	CONCRETE, CORREGATED, POLYETHYLENE	BY CITY	COMPRESSION	NO
1-1/2"	48" DIA.	CONCRETE	BY CITY	FLANGE	YES
2"	48" DIA.	CONCRETE	BY CITY	FLANGE	YES

NOTES:
1. SADDLE SIZE IS WATER MAIN O.D. CONTROLLED ON PIPES 12" AND SMALLER.
2. ON 1" SERVICES THAT CROSS 1800 NORTH TO A METER ON THE NORTH SIDE OF 1800 NORTH, USE CTS POLYETHYLENE PIPE IN A 3" POLYETHYLENE CASING AND TRANSITION TO A 3/4" METER USING A FORD 70 SERIES COPPERSETTER Q44-43-NL METER SETTER OR EQUIVALENT.

NOTE:
INSTALL TRACER WIRE ALONG ALL WATER MAINS AND 3" MAGNETIC LOCATOR TAPE AT 12" BELOW TOP OF TRENCH.

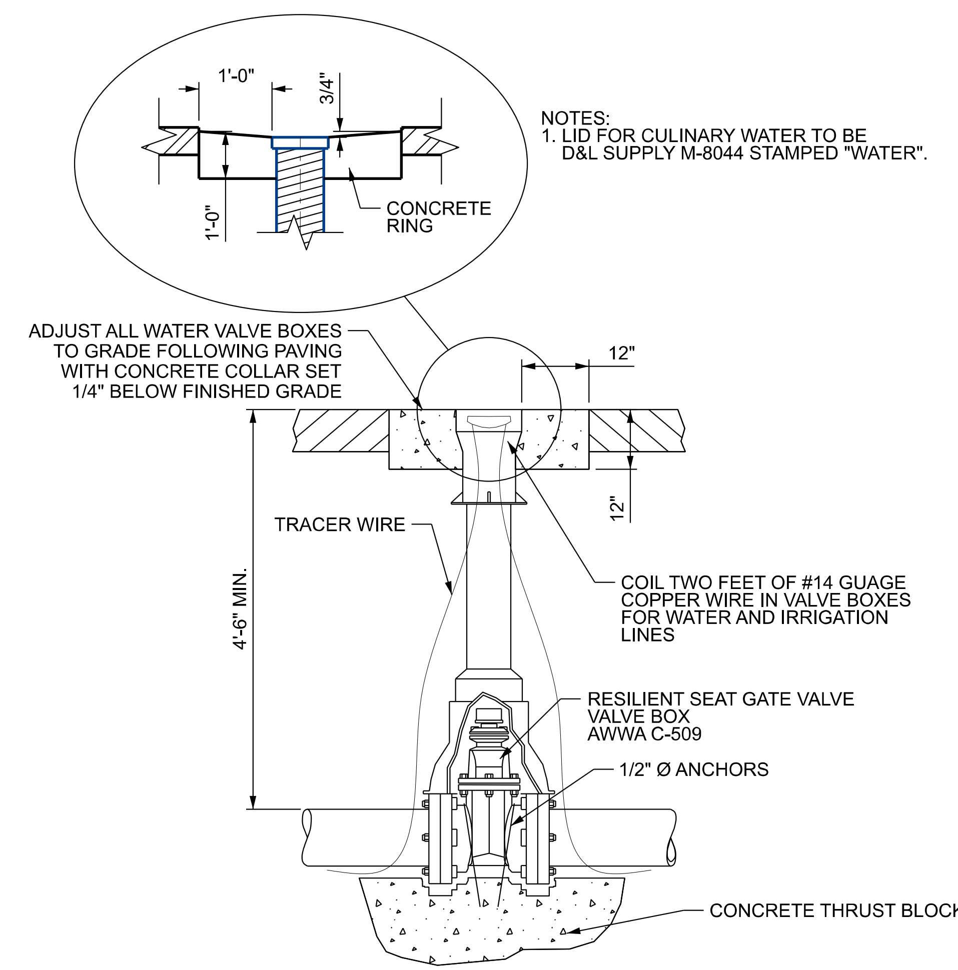


TYPICAL FIRE HYDRANT CONNECTION

NOTES:
1. BED AND BACKFILL PIPES AS SPECIFIED FOR CULINARY AND SECONDARY WATER PIPES.
2. BACKFILL METER BOXES, VALVES, HYDRANTS AS SPECIFIED FOR VERTICAL CULINARY AND SECONDARY WATER COMPONENTS.

SOURCE: CLINTON CITY STANDARD DRAWINGS (MODIFIED)

NOTES:
1. LID FOR CULINARY WATER TO BE D&L SUPPLY M-8044 STAMPED "WATER".



TYPICAL WATER VALVE IN STREET

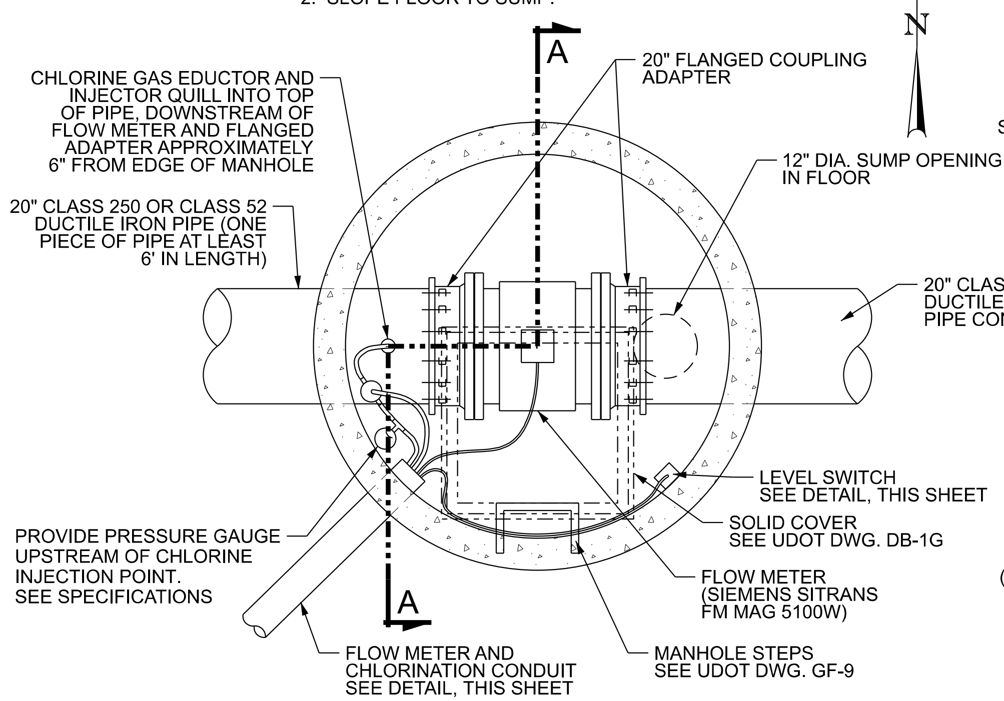
CLINTON DETAILS

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

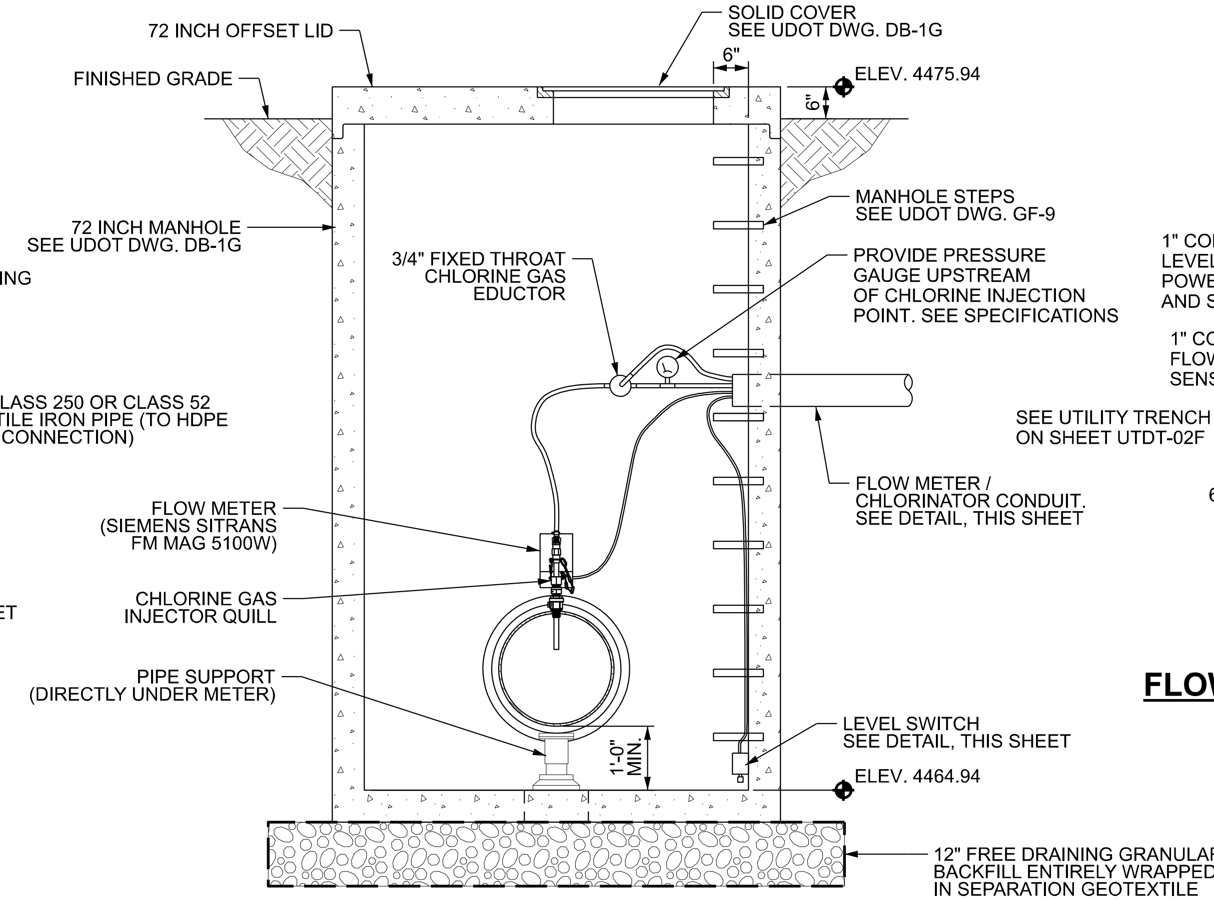
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
DRAWN BY: LCJ
QC CHECKED BY: MSN
DATE: 7/8/2024
APPROVED
PROFESSIONAL ENGINEER
PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN: 15682
PROJECT NUMBER: S-I15-8(157)336
CLINTON DETAILS
SHEET NO. UTDT-07C

EXHIBIT D

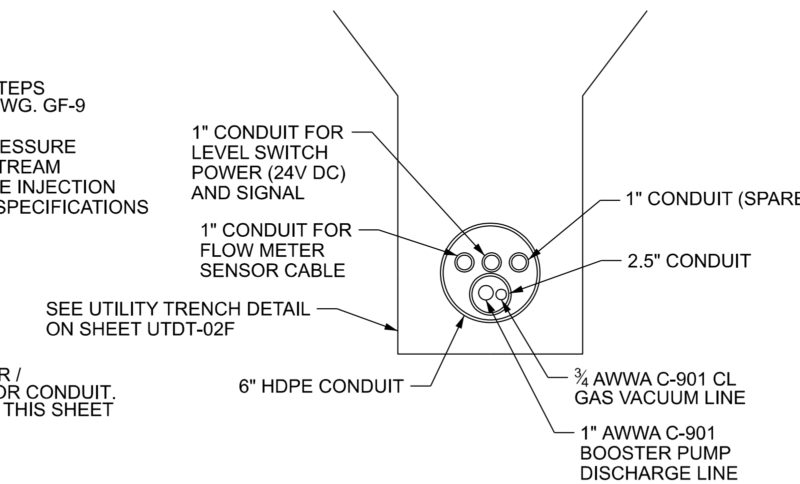
NOTES:
1. POSITION SOLID COVER AND FRAME AS SHOWN FLOW METER.
2. SLOPE FLOOR TO SUMP.



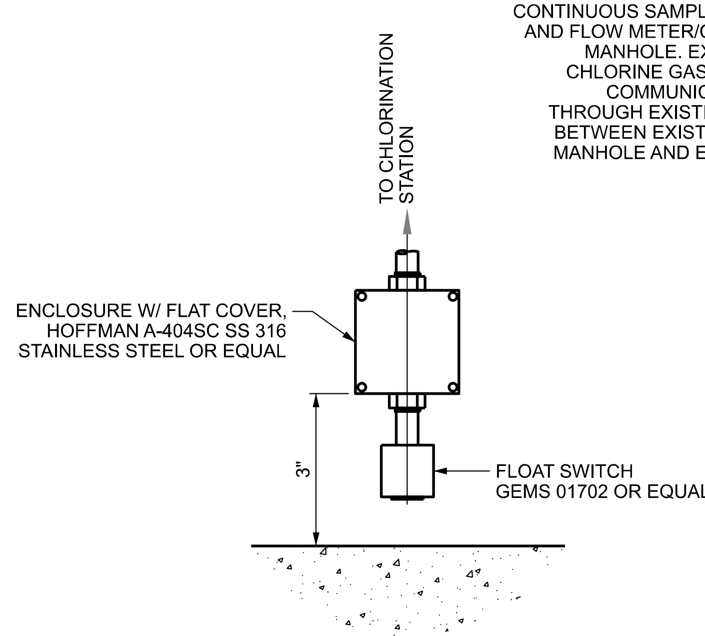
FLOW METER/CHLORINE INJECTION MANHOLE



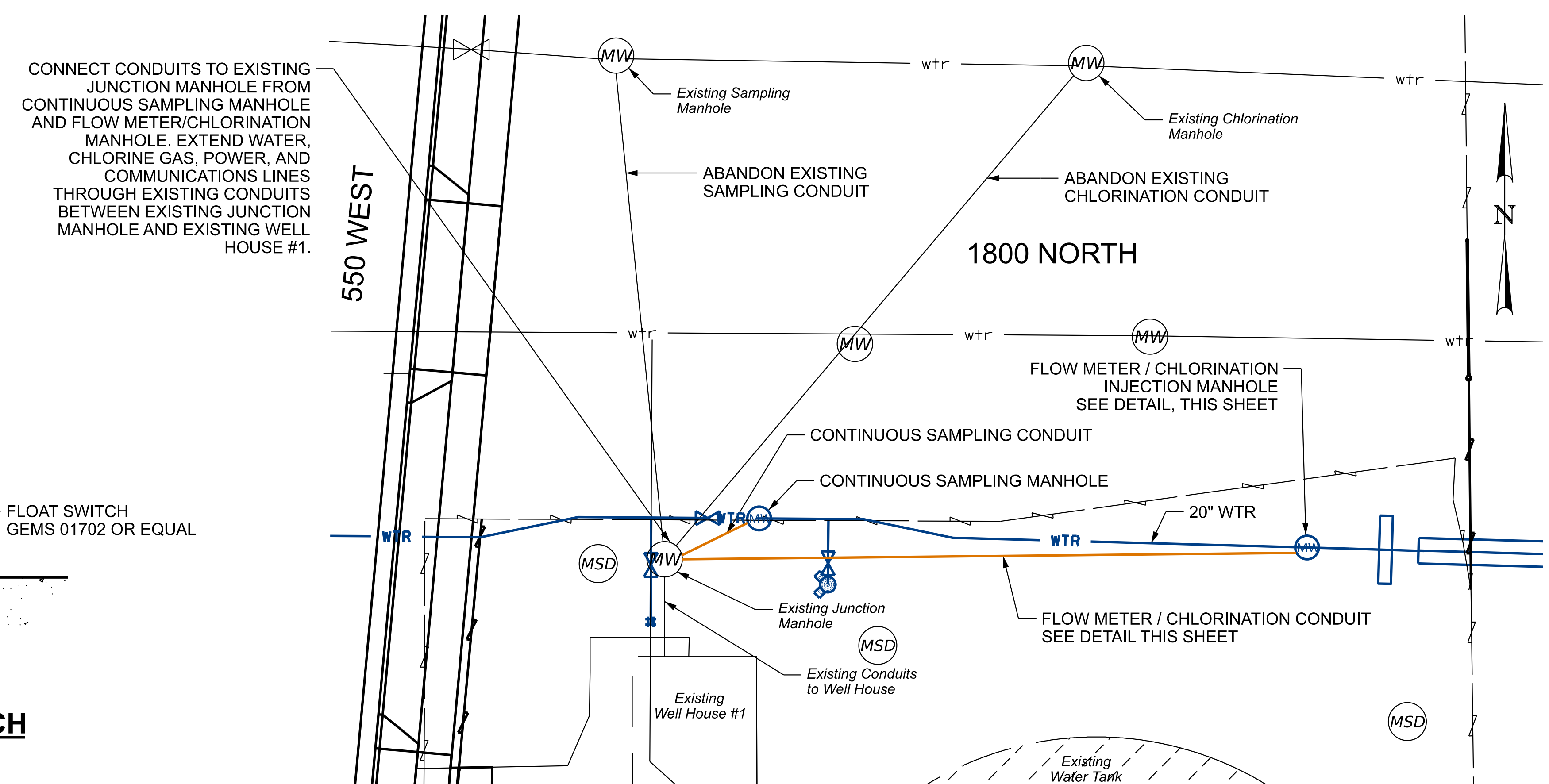
FLOW METER/CHLORINE INJECTION MANHOLE SECTION A-A



FLOW METER/CHLORINATION CONDUIT



LEVEL SWITCH



CONTINUOUS SAMPLING AND FLOW METER/CHLORINE INJECTION MANHOLES CONDUIT LAYOUT SCHEMATIC

SOURCE: CLINTON CITY (MODIFIED)

CLINTON DETAILS

NO.	DATE	APPROVED BY	REMARKS
REVISIONS			

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY: LCJ

QC CHECKED BY: MSN

DATE: 7/8/2024

APPROVED

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

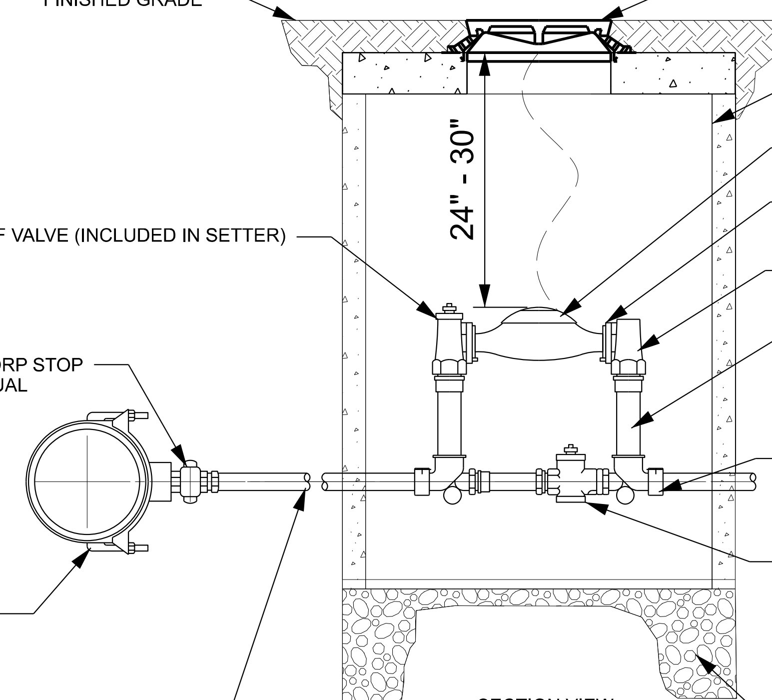
PIN: 15682

PROJECT NUMBER: S-I15-8(157)336

CLINTON DETAILS

SHEET NO. UTDT-07D

EXHIBIT D



1.5" OR 2" WATER METER

NOTES:
1. BACKFILL AS SPECIFIED FOR VERTICAL CULINARY AND SECONDARY SYSTEM COMPONENTS.

SOURCE: CLINTON CITY (MODIFIED)

CLINTON DETAILS

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

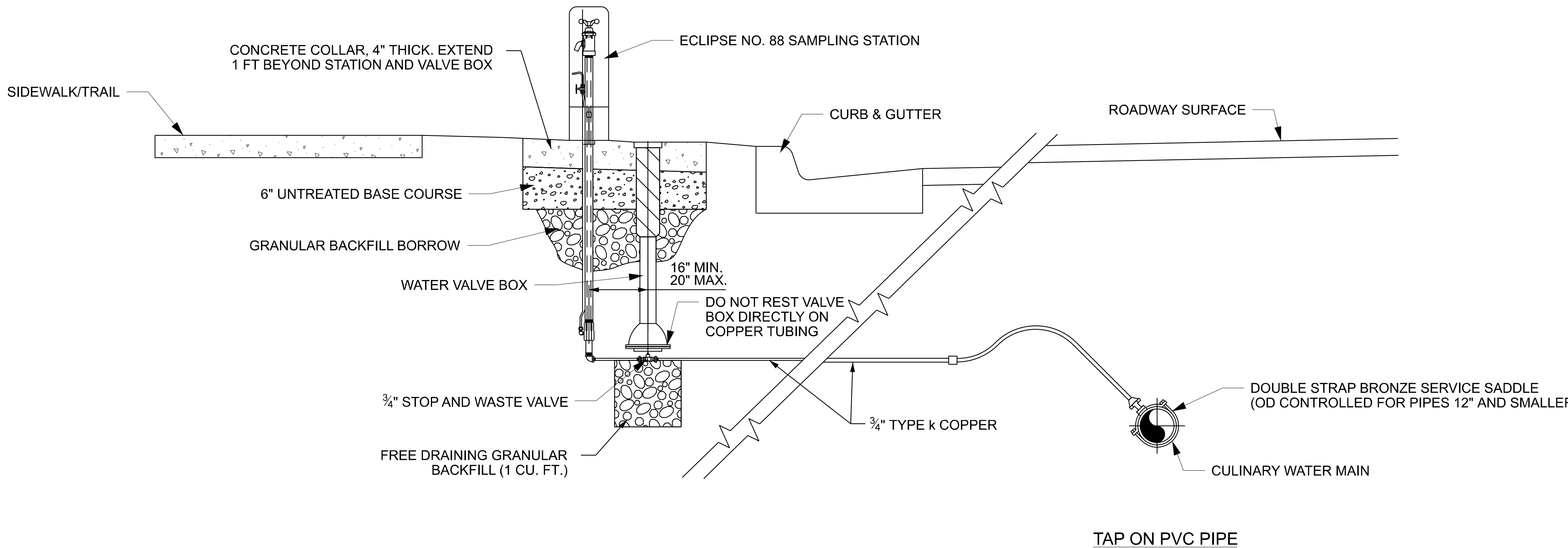
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY LCJ
QC CHECKED BY MSN
7/8/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN 15682
CLINTON DETAILS

SHEET NO. UTDT-07E

EXHIBIT D



SAMPLING STATION ASSEMBLY

NOTES:
1. BED AND BACKFILL SERVICE LINES AS SPECIFIED FOR CULINARY AND SECONDARY WATER PIPES.
2. BACKFILL VAVES AS SPECIFIED FOR VERTICAL CULINARY AND SECONDARY WATER COMPONENTS.

SOURCE: CLINTON CITY (MODIFIED)

CLINTON DETAILS

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

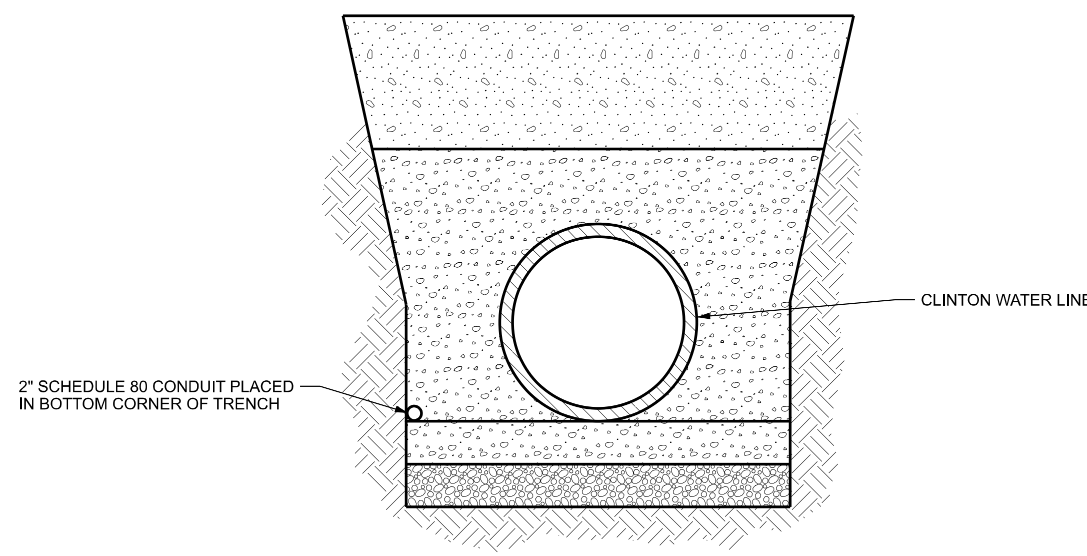
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY LCJ
QC CHECKED BY MSN
APPROVED
7/8/2024 DATE
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN 15682
CLINTON DETAILS

SHEET NO. UTDT-07F

EXHIBIT D



NOTE:
REFER TO TRENCH DETAIL SHEET UTDT-02F.

TELEMETRY

CLINTON DETAILS

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

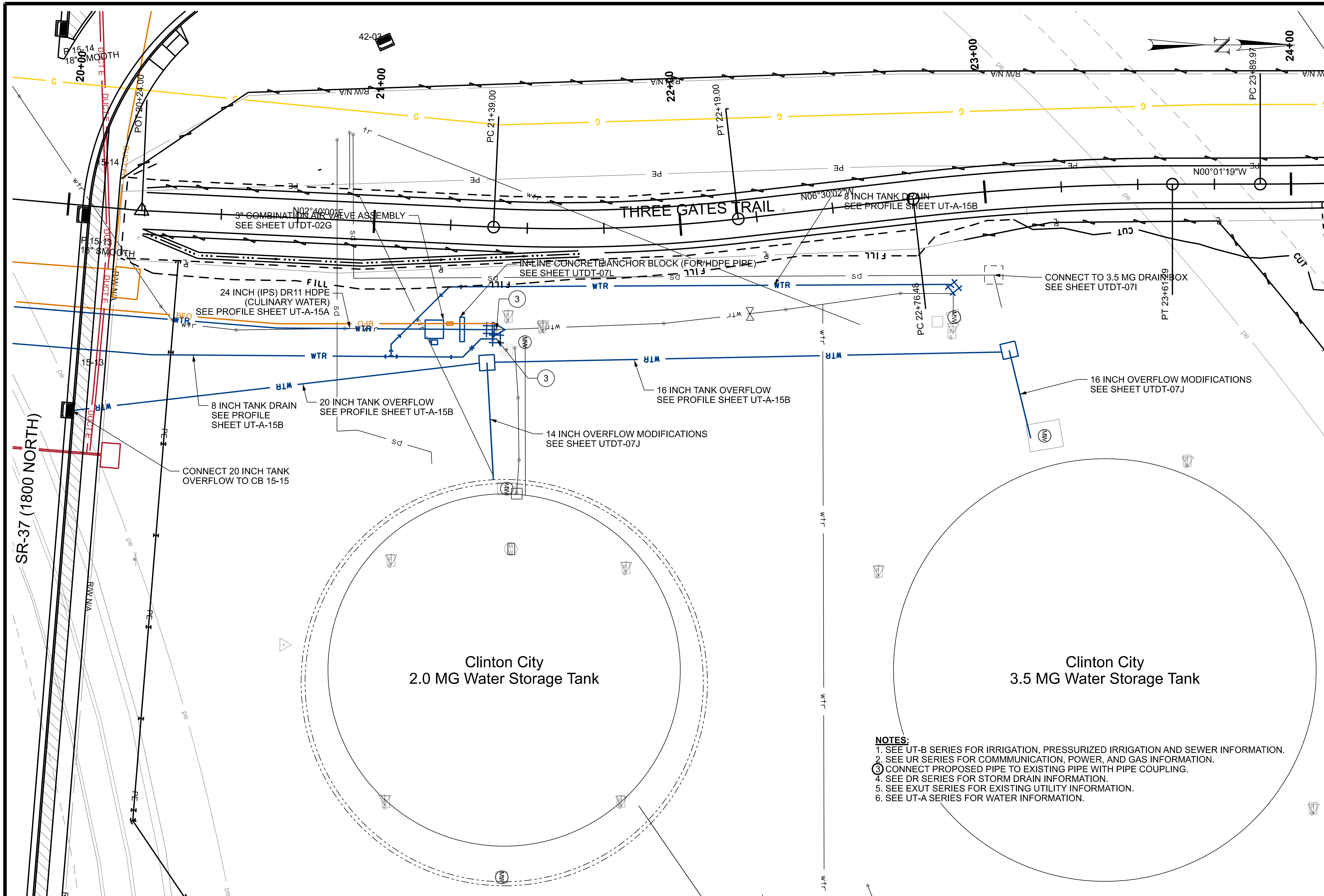
DRAWN BY: LCJ
QC CHECKED BY: MSN

APPROVED
PROFESSIONAL ENGINEER
DATE: 7/8/2024

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
CLINTON DETAILS

SHEET NO. UTDT-07G

EXHIBIT D



NOTES:
1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
2. SEE UR SERIES FOR COMMMUNICATION, POWER, AND GAS INFORMATION.
3. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.
6. SEE UT-A SERIES FOR WATER INFORMATION.

2.0 MG AND 3.5 MG WATER TANKS SITE

CLINTON DETAILS

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

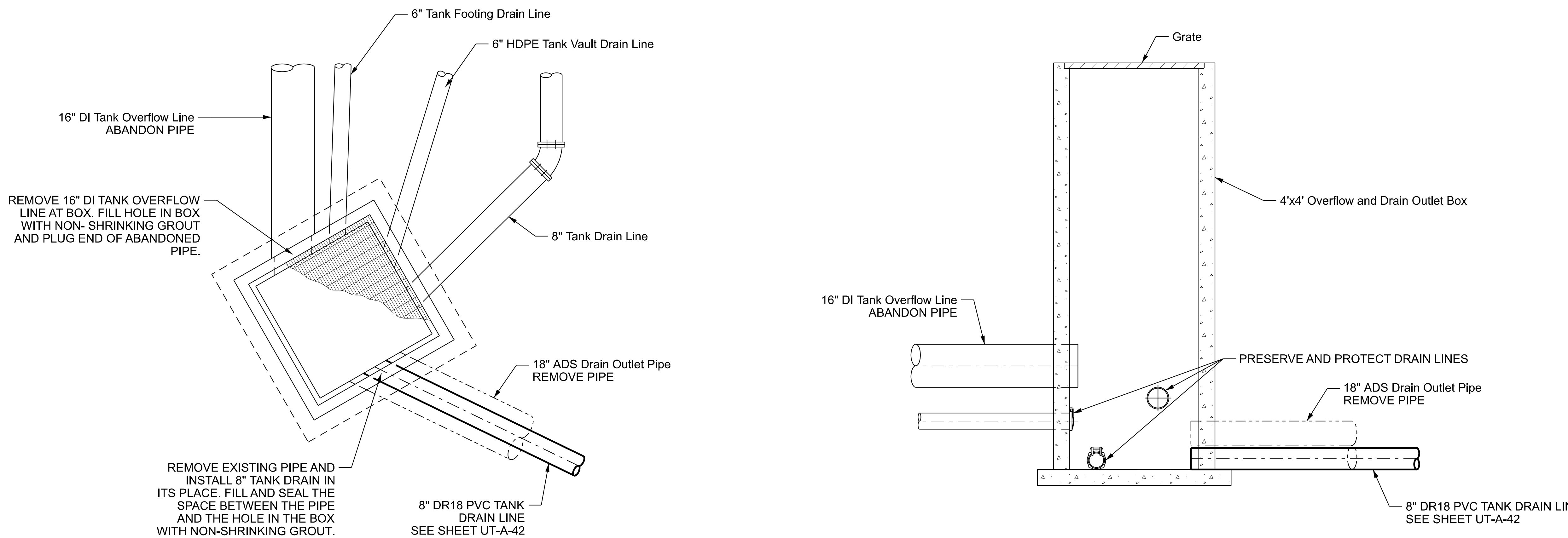
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY: JMM
QC CHECKED BY: MSN
DATE: 7/8/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN: 15682
PROJECT NUMBER: S-I15-8(157)336
CLINTON DETAILS

SHEET NO. UTDT-07H

EXHIBIT D



3.5 MG TANK DRAIN BOX

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

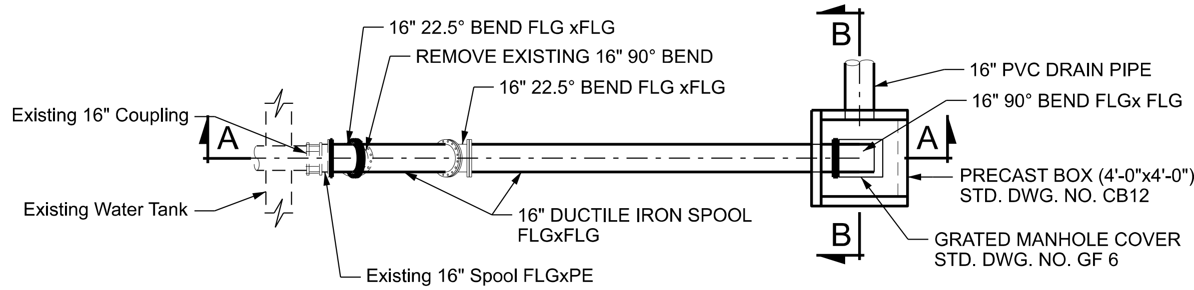
DRAWN BY: LCJ
QC CHECKED BY: MSN
APPROVED
PROFESSIONAL ENGINEER
DATE: 7/8/2024

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
CLINTON DETAILS

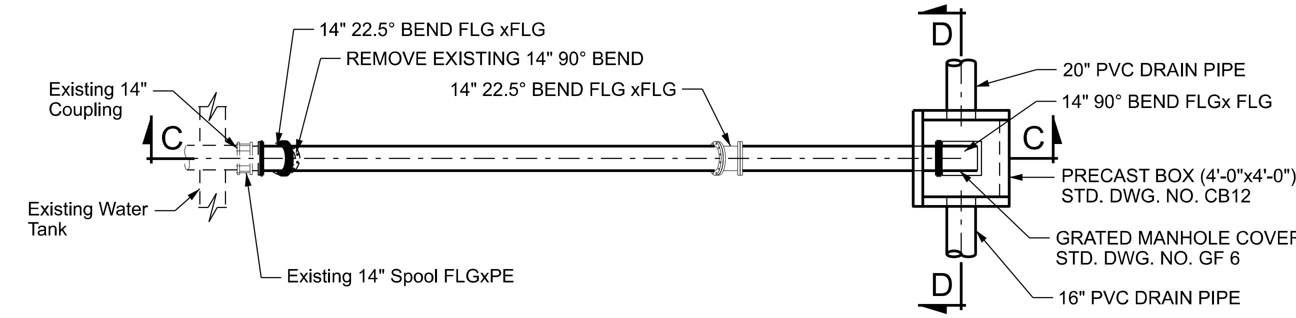
CLINTON DETAILS

SHEET NO. UTDT-07I

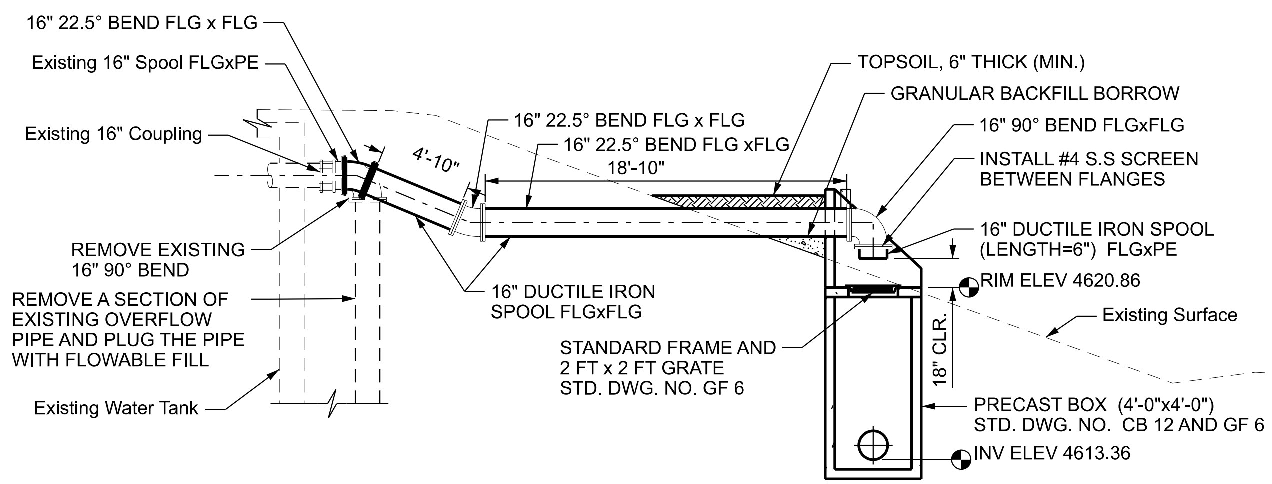
EXHIBIT D



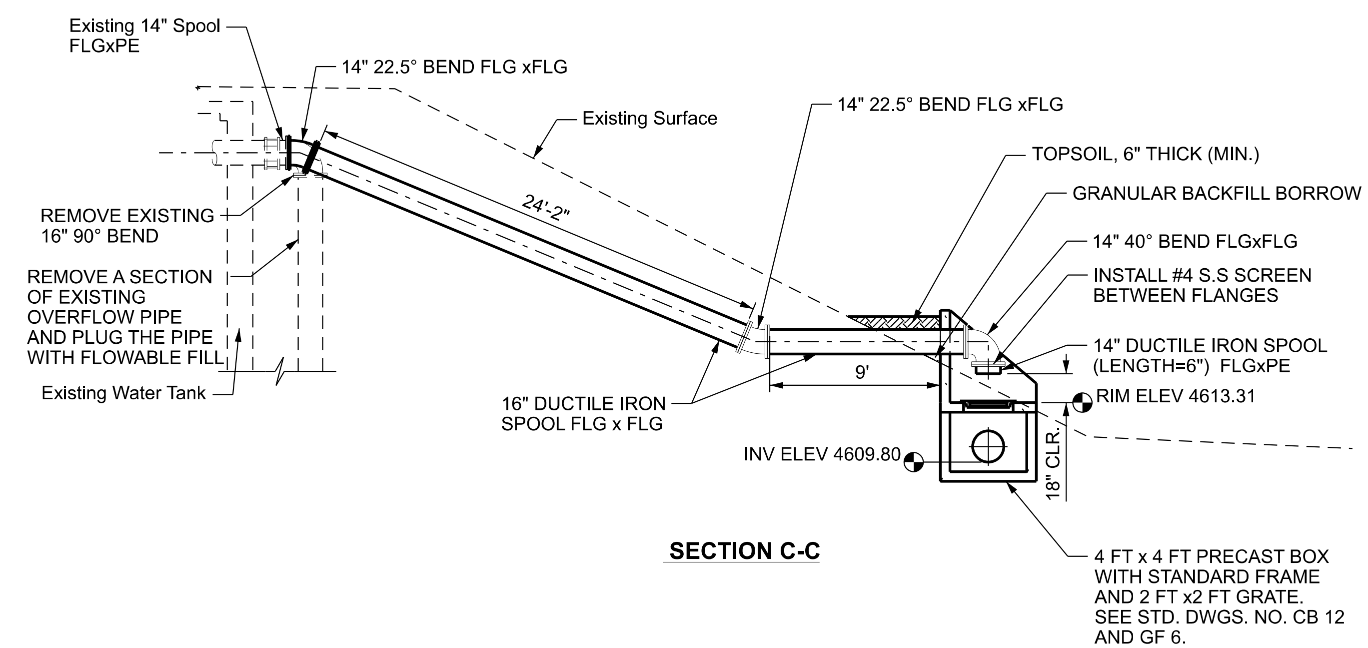
PLAN
16 INCH OVERFLOW MODIFICATIONS
(CLINTON CITY 3.5 MG WATER STORAGE TANK)



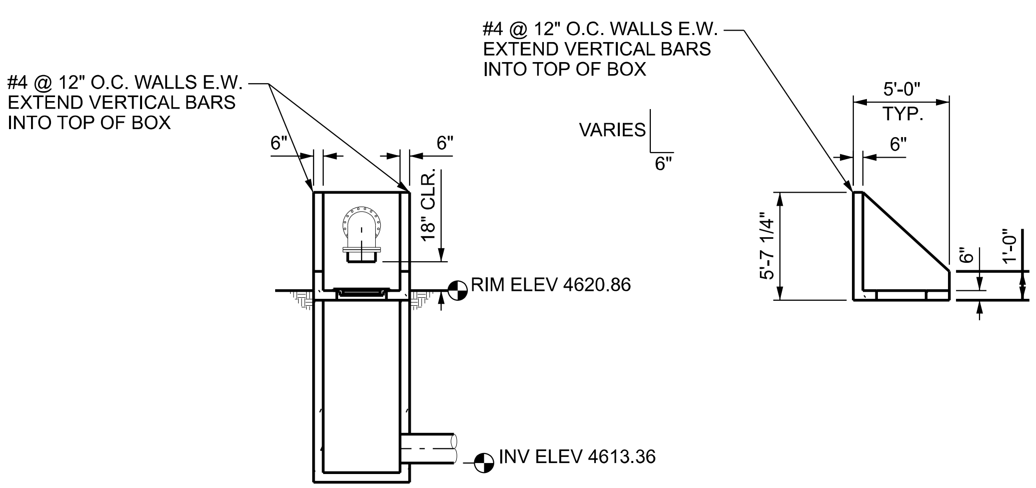
PLAN
14 INCH OVERFLOW MODIFICATIONS
(CLINTON CITY 2.0 MG WATER STORAGE TANK)



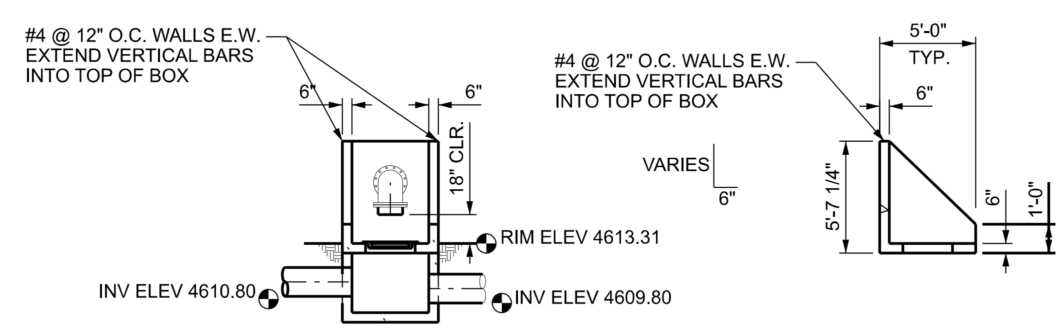
SECTION A-A



SECTION C-C



SECTION B-B



SECTION D-D

NOTES:
1. BED AND BACKFILL PIPES AS SPECIFIED FOR CULINARY AND SECONDARY WATER PIPES.
2. BACKFILL BOXES AS SPECIFIED FOR VERTICAL CULINARY AND SECONDARY WATER COMPONENTS.

CLINTON DETAILS

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

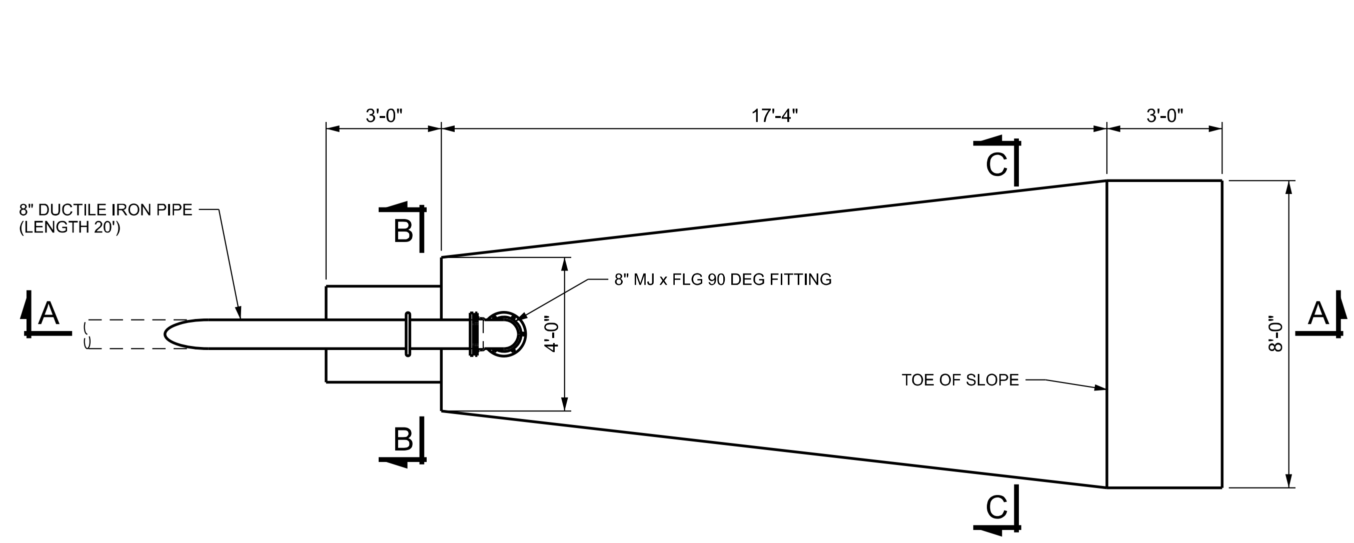
DRAWN BY	JMM
QC CHECKED BY	MSN
DATE	7/8/2024

APPROVED
PROFESSIONAL ENGINEER

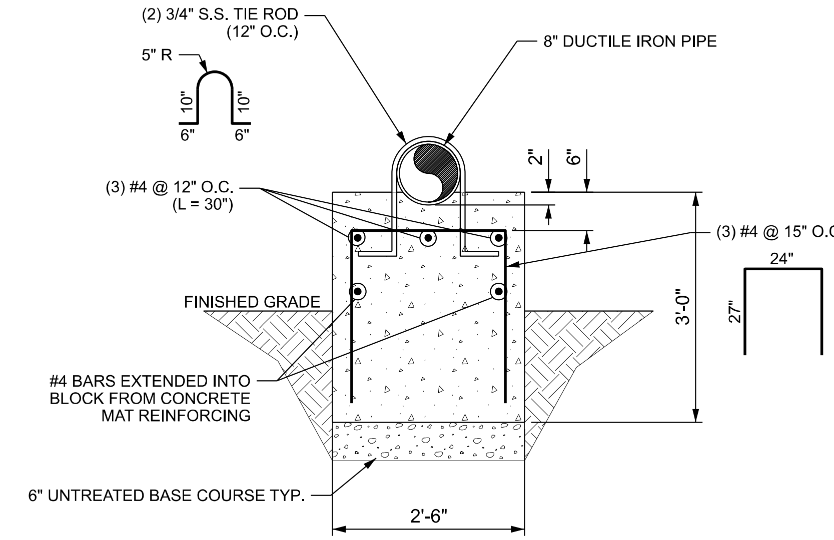
PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
CLINTON DETAILS

SHEET NO. UTDT-07J

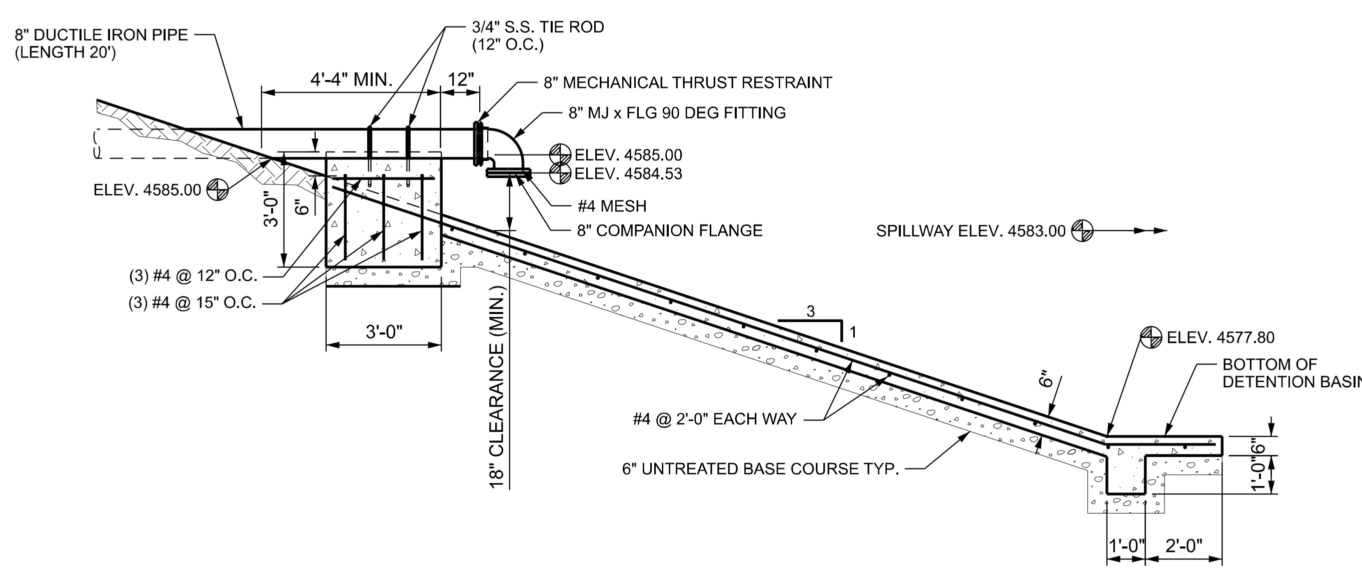
EXHIBIT D



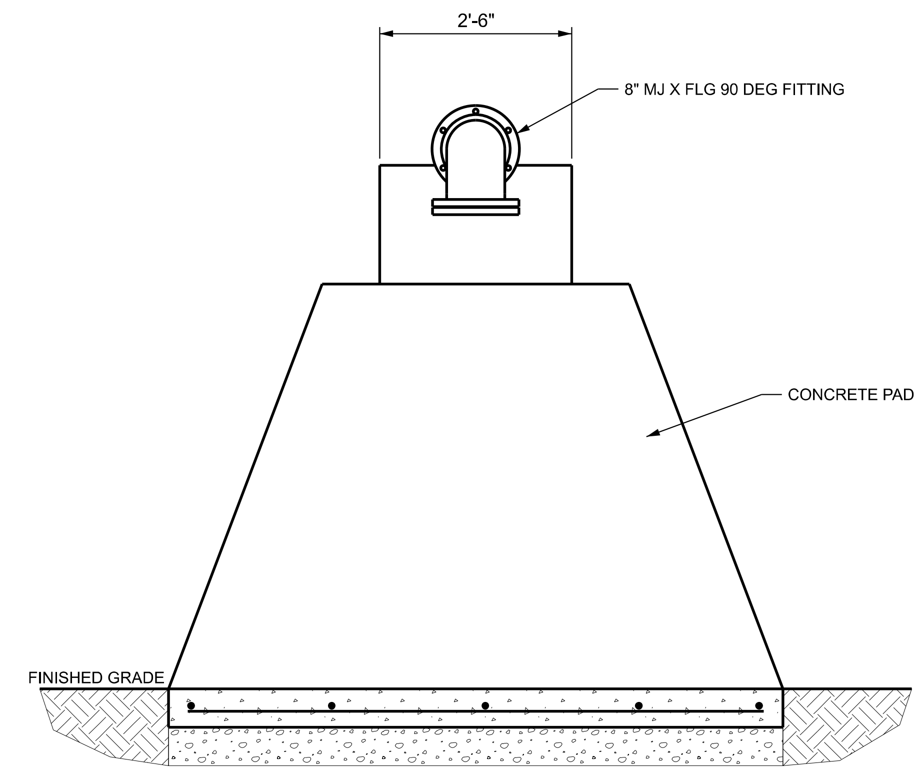
TANK DRAIN OUTLET PLAN



SECTION B-B



SECTION A-A



SECTION C-C

SOURCE: XXX

CLINTON DETAILS

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED

PROFESSIONAL ENGINEER

7/8/2024
DATE

DRAWN BY JMM

QC CHECKED BY MSN

PROJECT: I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER: S-I15-8(157)336

PIN 15682

CLINTON DETAILS

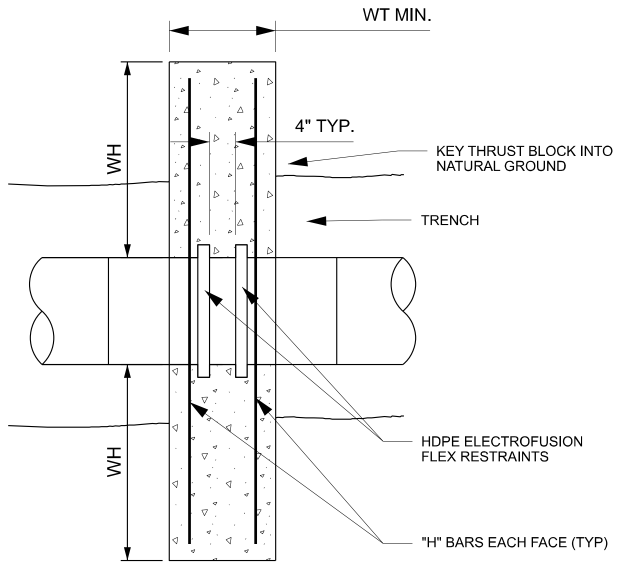
SHEET NO. UTDT-07K

EXHIBIT D

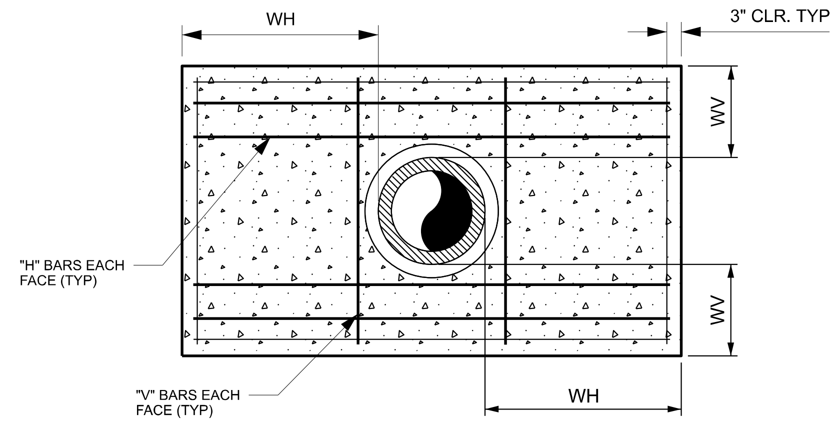
ANCHOR BLOCK DIMENSIONS												
WATER UTILITY	STATION	OFFSET	PIPE SIZE	WH	WV	WT	"H" BARS PER FACE		"V" BARS PER FACE		NUMBER OF FLEX RESTRAINTS*	ROWS OF FLEX RESTRAINTS*
							SIZE	NO.	SIZE	NO.		
CLINTON	320+22.88	80.83 RT	24" IPS DR11	3.00	2.00	2.67	#5	3	#5	3	18	2
CLINTON	358+77.33	202.67 LT	24" IPS DR11	3.00	1.50	2.50	#5	1	#5	1	1	2

* BASED OF FLEX RESTRAINTS THAT RESIST AT LEAST 875 LBS. OF FORCE PER INCH OF LENGTH.

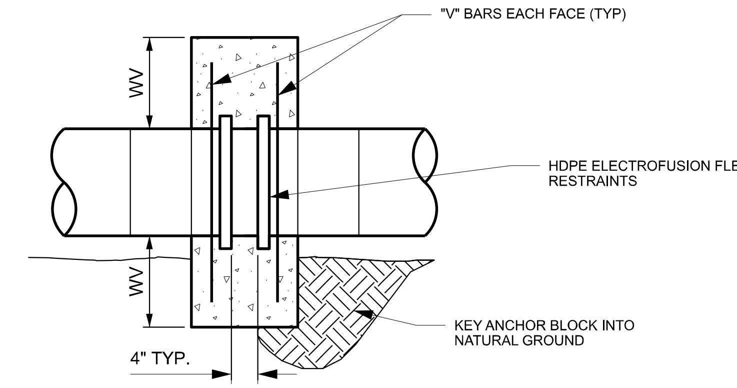
NOTES.
1. SEE TABLE FOR NUMBER OF ELECTROFUSION FLEX RESTRAINTS REQUIRED FOR EACH PIPE SIZE.
2. STRUCTURAL CONCRETE: fc = 4,000 PSI, ABSOLUTE WATER-CEMENT RATIO BY WEIGHT = 0.50, AIR CONTENT = 6% (± 1.5%)
3. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
4. UNLESS NOTED ELSEWHERE ON DRAWINGS, ALL REINFORCING STELL SHALL HAVE THE FOLLOWING CONCRETE COVER.
   4.1. CONCRETE CAST AGAINST EARTH: 3.00 INCH
   4.2. CONCRETE EXPOSED TO EARTH, LIQUID, OR WATER: 1.5 INCH FORMED SURFACES



PLAN VIEW

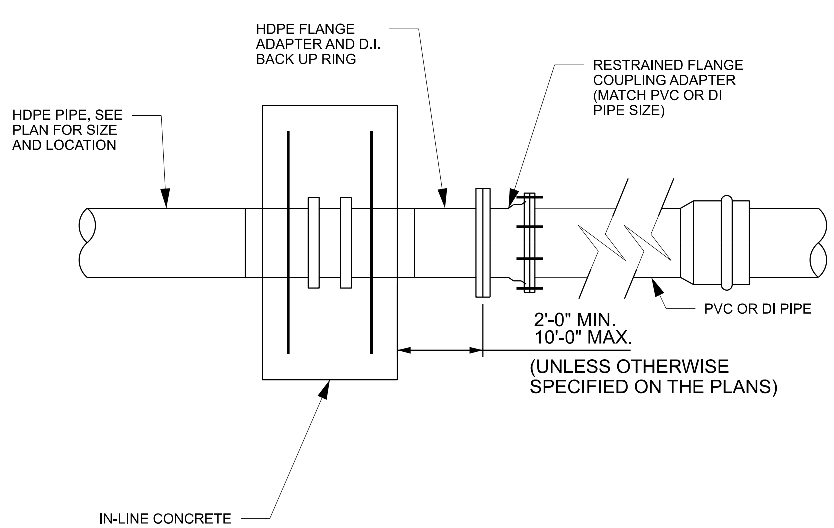


FRONT VIEW



SIDE VIEW

IN-LINE CONCRETE ANCHOR BLOCK FOR HDPE PIPE



HDPE PIPE TRANSITION TO PVC OR DUCTILE IRON PIPE

NOTES
1. BED AND BACKFILL AS SPECIFIED FOR CULINARY AND SECONDARY WATER COMPONENTS.

CLINTON DETAILS

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
DRAWN BY JMM
QC CHECKED BY MSN
7/8/2024
DATE
APPROVED
PROFESSIONAL ENGINEER

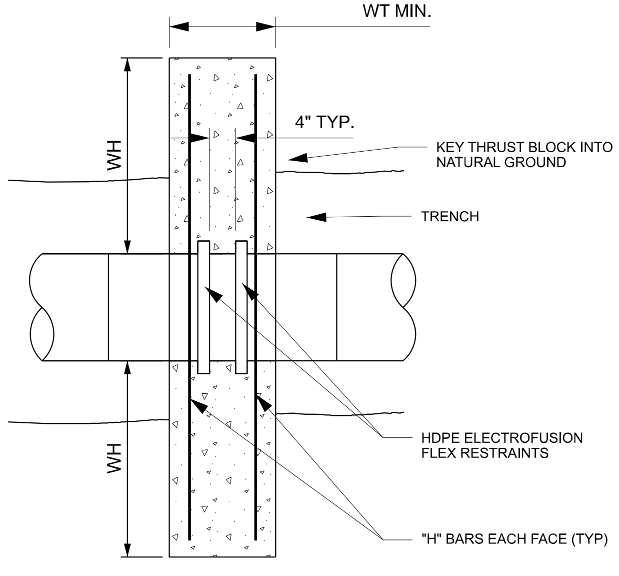
PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN 15682
CLINTON DETAILS
SHEET NO. UTDT-07L

EXHIBIT D

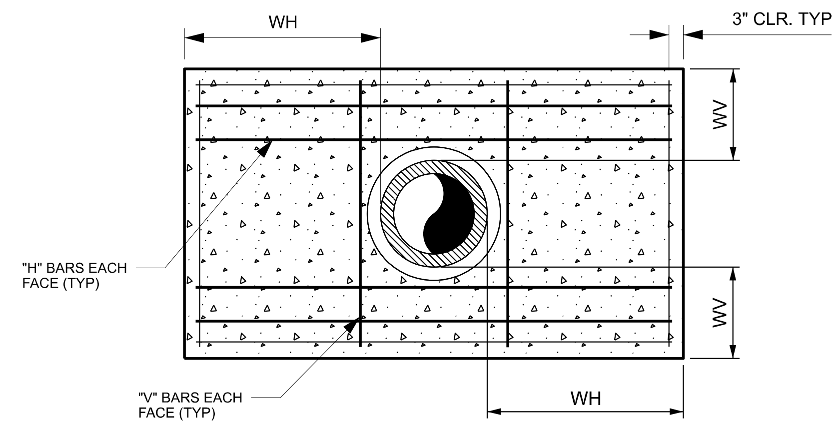
ANCHOR BLOCK DIMENSIONS												
WATER UTILITY	STATION	OFFSET	PIPE SIZE	WH	WV	WT	"H" BARS PER FACE		"V" BARS PER FACE		NUMBER OF FLEX RESTRAINTS*	ROWS OF FLEX RESTRAINTS*
							SIZE	NO.	SIZE	NO.		
CLINTON	320+22.88	80.83 RT	24" IPS DR11	3.00	2.00	2.67	#5	3	#5	3	18	2
CLINTON	358+77.33	202.67 LT	24" IPS DR11	3.00	1.50	2.50	#5	1	#5	1	1	2

* BASED OF FLEX RESTRAINTS THAT RESIST AT LEAST 875 LBS. OF FORCE PER INCH OF LENGTH.

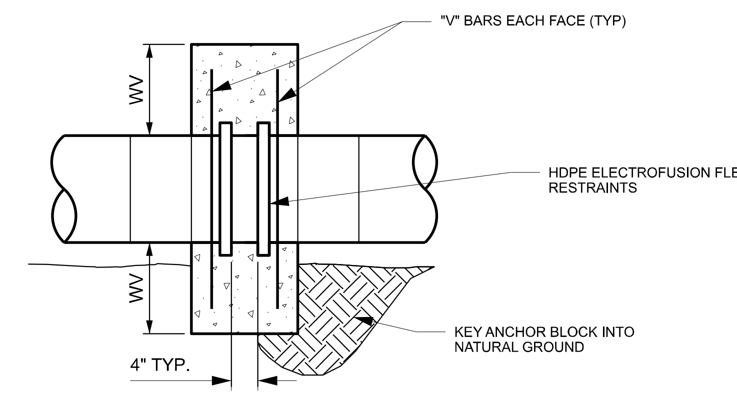
NOTES.
1. SEE TABLE FOR NUMBER OF ELECTROFUSION FLEX RESTRAINTS REQUIRED FOR EACH PIPE SIZE.
2. STRUCTURAL CONCRETE: fc = 4,000 PSI, ABSOLUTE WATER-CEMENT RATIO BY WEIGHT = 0.50, AIR CONTENT = 6% (± 1.5%)
3. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
4. UNLESS NOTED ELSEWHERE ON DRAWINGS, ALL REINFORCING STELL SHALL HAVE THE FOLLOWING CONCRETE COVER.
   4.1. CONCRETE CAST AGAINST EARTH: 3.00 INCH
   4.2. CONCRETE EXPOSED TO EARTH, LIQUID, OR WATER: 1.5 INCH FORMED SURFACES



PLAN VIEW

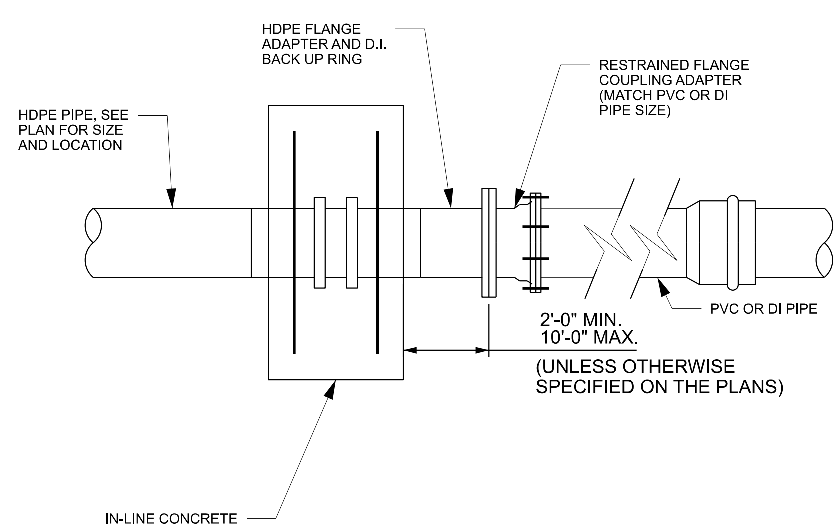


FRONT VIEW



SIDE VIEW

IN-LINE CONCRETE ANCHOR BLOCK FOR HDPE PIPE



HDPE PIPE TRANSITION TO PVC OR DUCTILE IRON PIPE

NOTES
1. BED AND BACKFILL AS SPECIFIED FOR CULINARY AND SECONDARY WATER COMPONENTS.

CLINTON DETAILS

REVISIONS
NO. DATE APPROVED BY REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
DRAWN BY JMM
QC CHECKED BY MSN
7/8/2024
DATE
APPROVED
PROFESSIONAL ENGINEER

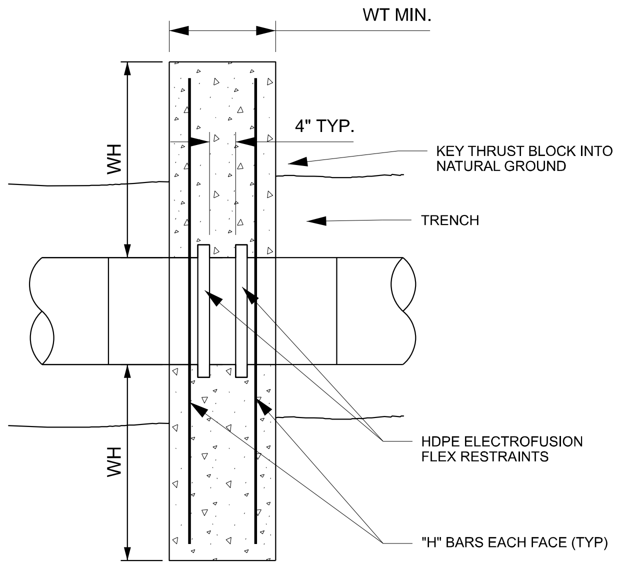
PROJECT I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
CLINTON DETAILS
SHEET NO. UTDT-07L

EXHIBIT D

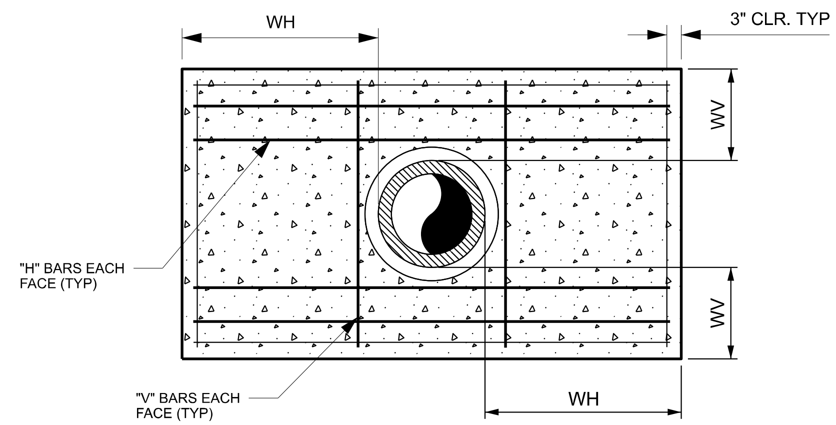
ANCHOR BLOCK DIMENSIONS												
WATER UTILITY	STATION	OFFSET	PIPE SIZE	WH	WV	WT	"H" BARS PER FACE		"V" BARS PER FACE		NUMBER OF FLEX RESTRAINTS*	ROWS OF FLEX RESTRAINTS*
							SIZE	NO.	SIZE	NO.		
CLINTON	320+22.88	80.83 RT	24" IPS DR11	3.00	2.00	2.67	#5	3	#5	3	18	2
CLINTON	358+77.33	202.67 LT	24" IPS DR11	3.00	1.50	2.50	#5	1	#5	1	1	2

* BASED OF FLEX RESTRAINTS THAT RESIST AT LEAST 875 LBS. OF FORCE PER INCH OF LENGTH.

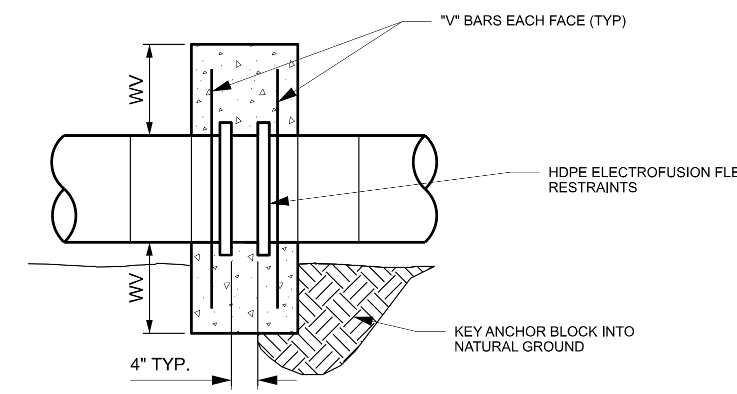
NOTES.
1. SEE TABLE FOR NUMBER OF ELECTROFUSION FLEX RESTRAINTS REQUIRED FOR EACH PIPE SIZE.
2. STRUCTURAL CONCRETE: fc = 4,000 PSI, ABSOLUTE WATER-CEMENT RATIO BY WEIGHT = 0.50, AIR CONTENT = 6% (± 1.5%)
3. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
4. UNLESS NOTED ELSEWHERE ON DRAWINGS, ALL REINFORCING STELL SHALL HAVE THE FOLLOWING CONCRETE COVER.
   4.1. CONCRETE CAST AGAINST EARTH: 3.00 INCH
   4.2. CONCRETE EXPOSED TO EARTH, LIQUID, OR WATER: 1.5 INCH FORMED SURFACES



PLAN VIEW

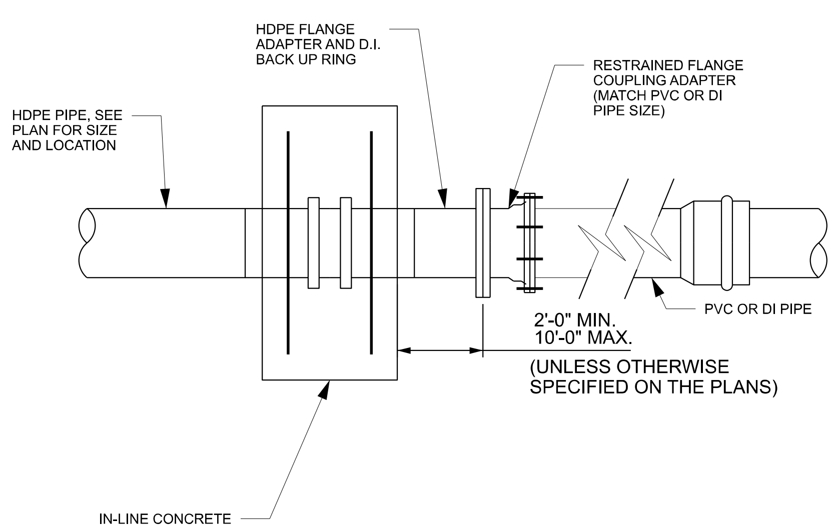


FRONT VIEW



SIDE VIEW

IN-LINE CONCRETE ANCHOR BLOCK FOR HDPE PIPE



HDPE PIPE TRANSITION TO PVC OR DUCTILE IRON PIPE

NOTES
1. BED AND BACKFILL AS SPECIFIED FOR CULINARY AND SECONDARY WATER COMPONENTS.

REVISIONS

NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY JMM
QC CHECKED BY MSN
7/8/2024
DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN 15682
CLINTON DETAILS

CLINTON DETAILS

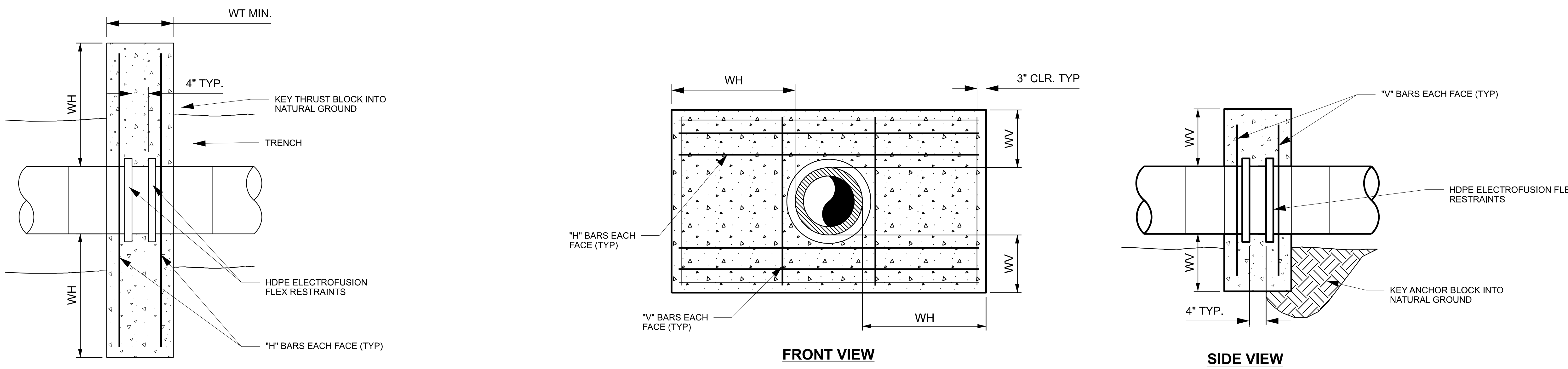
SHEET NO. UTDT-07L

EXHIBIT D

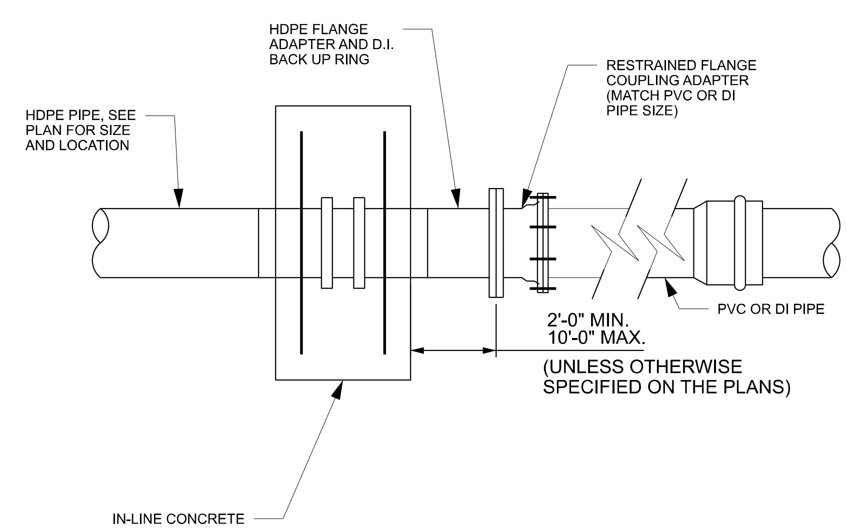
ANCHOR BLOCK DIMENSIONS												
WATER UTILITY	STATION	OFFSET	PIPE SIZE	WH	WV	WT	"H" BARS PER FACE		"V" BARS PER FACE		NUMBER OF FLEX RESTRAINTS*	ROWS OF FLEX RESTRAINTS*
							SIZE	NO.	SIZE	NO.		
CLINTON	320+22.88	80.83 RT	24" IPS DR11	3.00	2.00	2.67	#5	3	#5	3	18	2
CLINTON	358+77.33	202.67 LT	24" IPS DR11	3.00	1.50	2.50	#5	1	#5	1	1	2

* BASED OF FLEX RESTRAINTS THAT RESIST AT LEAST 875 LBS. OF FORCE PER INCH OF LENGTH.

NOTES.
1. SEE TABLE FOR NUMBER OF ELECTROFUSION FLEX RESTRAINTS REQUIRED FOR EACH PIPE SIZE.
2. STRUCTURAL CONCRETE: fc = 4,000 PSI, ABSOLUTE WATER-CEMENT RATIO BY WEIGHT = 0.50, AIR CONTENT = 6% (± 1.5%)
3. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
4. UNLESS NOTED ELSEWHERE ON DRAWINGS, ALL REINFORCING STELL SHALL HAVE THE FOLLOWING CONCRETE COVER.
 4.1. CONCRETE CAST AGAINST EARTH: 3.00 INCH
 4.2. CONCRETE EXPOSED TO EARTH, LIQUID, OR WATER: 1.5 INCH FORMED SURFACES



IN-LINE CONCRETE ANCHOR BLOCK FOR HDPE PIPE



HDPE PIPE TRANSITION TO PVC OR DUCTILE IRON PIPE

NOTES
1. BED AND BACKFILL AS SPECIFIED FOR CULINARY AND SECONDARY WATER COMPONENTS.

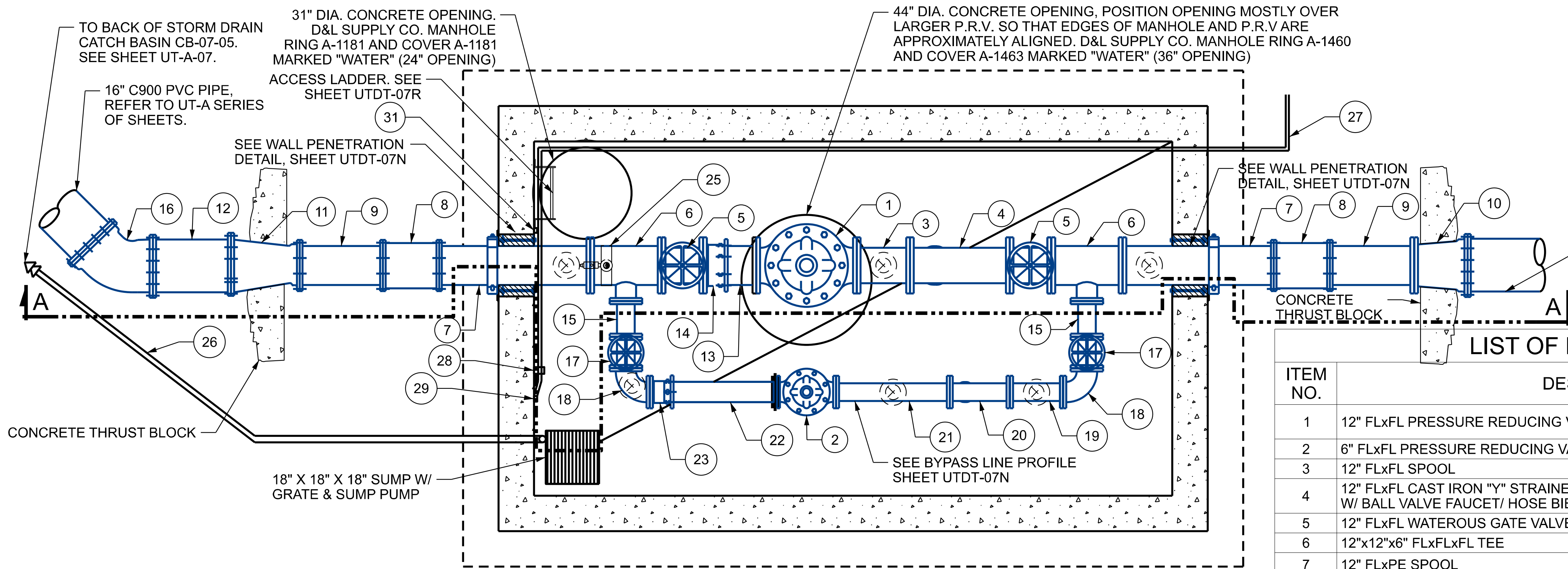
CLINTON DETAILS

REVISIONS
NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
DRAWN BY JMM
QC CHECKED BY MSN
7/8/2024
DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER: S-I15-8(157)336
CLINTON DETAILS
SHEET NO. UTDT-07L

EXHIBIT D



NOTE:
A PRE-PLUMBED VAULT MAY BE SUPPLIED BY CONTRACTOR IF DESIRED AS LONG AS PIPING AND SPACING MATCHES WHAT IS SHOWN ON THIS DETAIL.

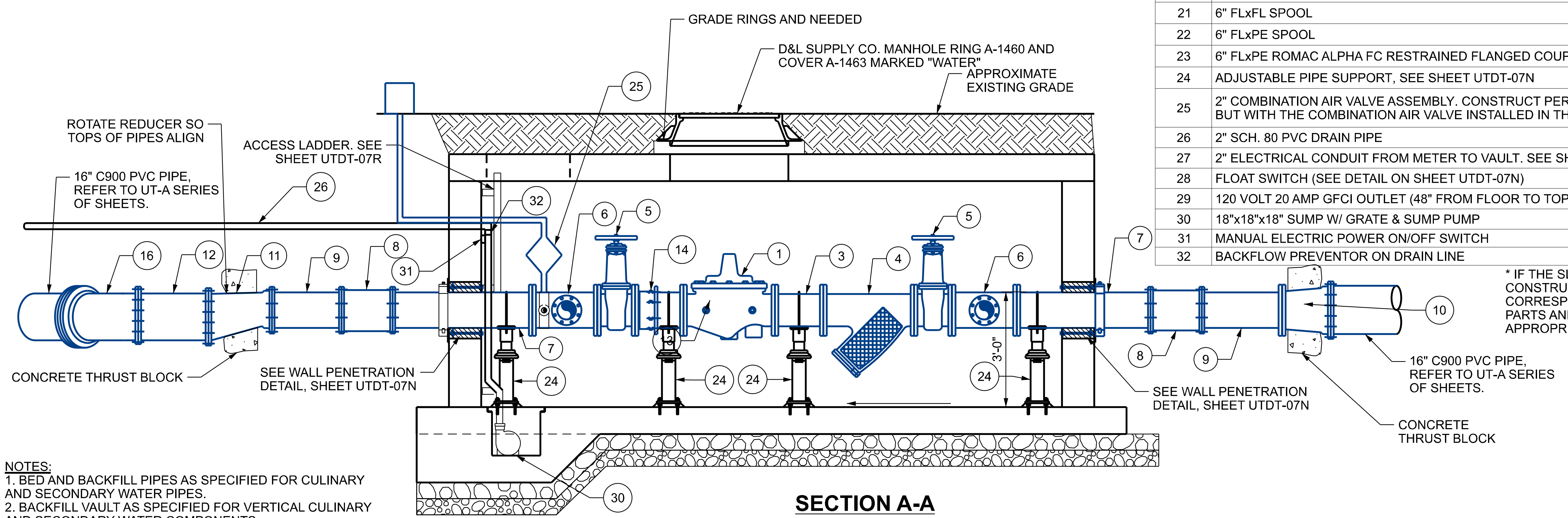
NOTES:
1. FOR STRUCTURAL DETAILS REFER TO SHEETS UTDT-07O THROUGH UTDT-07R.
2. FOR WATER LINE PLANS REFER TO THE UT-A SERIES OF PLANS.

PRV STATION PLAN

LIST OF MATERIALS (CLINTON)

ITEM NO.	DESCRIPTION	LENGTH	QTY.
1	12" FLxFL PRESSURE REDUCING VALVE - CLA-VAL MODEL 90.01 Y,B,C,S,V, KC		1
2	6" FLxFL PRESSURE REDUCING VALVE - CLA-VAL MODEL 90.01 Y,B,C,S,V, KC		1
3	12" FLxFL SPOOL		1
4	12" FLxFL CAST IRON "Y" STRAINER # 758 - MUELLER STEAM SPECIALITY W/ BALL VALVE FAUCET/ HOSE BIB TO FLUSH OUT SYSTEM		1
5	12" FLxFL WATEROUS GATE VALVE		2
6	12"x12"x6" FLxFLxFL TEE		2
7	12" FLxPE SPOOL	4'-6½"	2
8	12" MJxMJ SLEEVE*		2
9	12" FLxPE SPOOL	2'-8"	2
10	16"x12" MJxFL REDUCER		1
11	16"x12" ECCENTRIC FLGxMJ REDUCER		1
12	16" FLG X FLG SPOOL	2'-11"	1
13	12" FLxPE SPOOL	1'-3½"	1
14	12" FLxPE ROMAC ALPHA RESTRAINED FLANGED COUPLING ADAPTOR		1
15	6" FLxFL SPOOL	1"-0"	2
16	16" MJxFLG 45° BEND		1
17	6" FLxFL WATEROUS GATE VALVE		2
18	6" FLxFL 90° BEND		2
19	6" FLxFL SPOOL	1'-6"	1
20	6" FLxFL CAST IRON "Y" STRAINER #758 - MUELLER STEAM SPECIALTY WITH BALL VALVE FAUCET/ HOSE BIB TO FLUSH OUT SYSTEM		1
21	6" FLxFL SPOOL	3'-2½"	1
22	6" FLxPE SPOOL	3'-5"	1
23	6" FLxPE ROMAC ALPHA FC RESTRAINED FLANGED COUPLING ADAPTOR		1
24	ADJUSTABLE PIPE SUPPORT, SEE SHEET UTDT-07N		6
25	2" COMBINATION AIR VALVE ASSEMBLY. CONSTRUCT PER SHEET UTDT-02G, BUT WITH THE COMBINATION AIR VALVE INSTALLED IN THE PRV VAULT.		1
26	2" SCH. 80 PVC DRAIN PIPE	APPROX. 84'	
27	2" ELECTRICAL CONDUIT FROM METER TO VAULT. SEE SHEET UT-A-07	APPROX. 160'	
28	FLOAT SWITCH (SEE DETAIL ON SHEET UTDT-07N)		1
29	120 VOLT 20 AMP GFCI OUTLET (48" FROM FLOOR TO TOP OF OUTLET)		1
30	18"x18"x18" SUMP W/ GRATE & SUMP PUMP		1
31	MANUAL ELECTRIC POWER ON/OFF SWITCH		1
32	BACKFLOW PREVENTOR ON DRAIN LINE		1

* IF THE SLEEVE IS NOT NECESSARY FOR CONSTRUCTION IT CAN BE ELIMINATED, AND CORRESPONDING ADJUSTMENTS TO ADJACENT PARTS AND CONNECTIONS CAN BE MADE AS APPROPRIATE.



NOTES:
1. BED AND BACKFILL PIPES AS SPECIFIED FOR CULINARY AND SECONDARY WATER PIPES.
2. BACKFILL VAULT AS SPECIFIED FOR VERTICAL CULINARY AND SECONDARY WATER COMPONENTS.

SECTION A-A

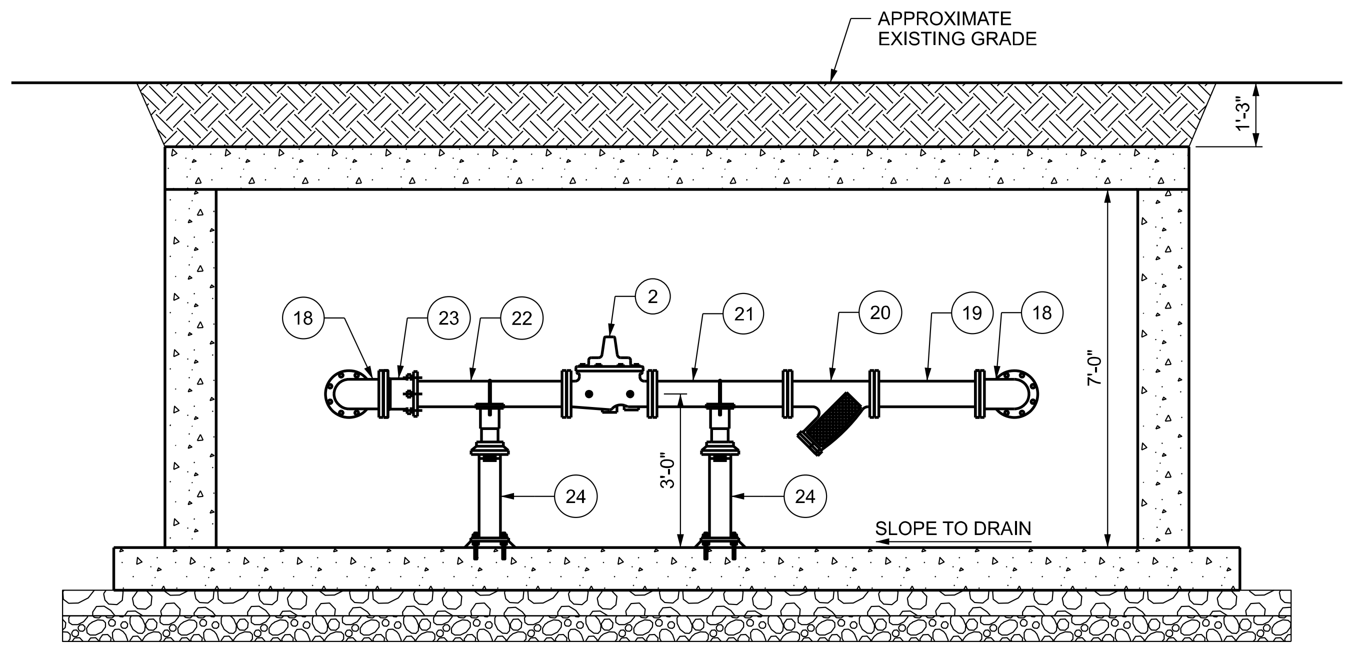
CLINTON DETAILS

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
DRAWN BY JMM
QC CHECKED BY MSN
APPROVED
7/8/2024 DATE
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
CLINTON DETAILS
SHEET NO. UTDT-07M

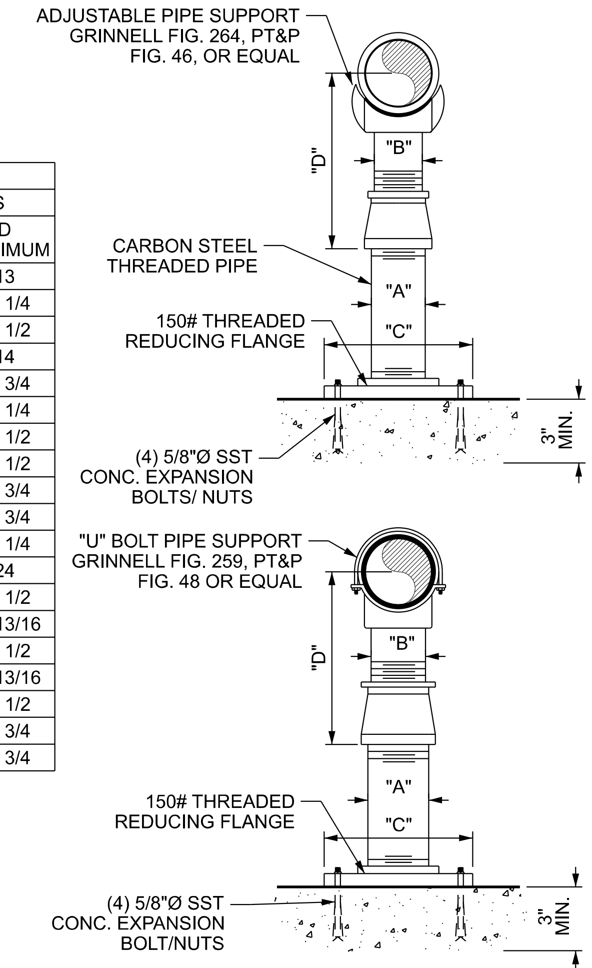
EXHIBIT D



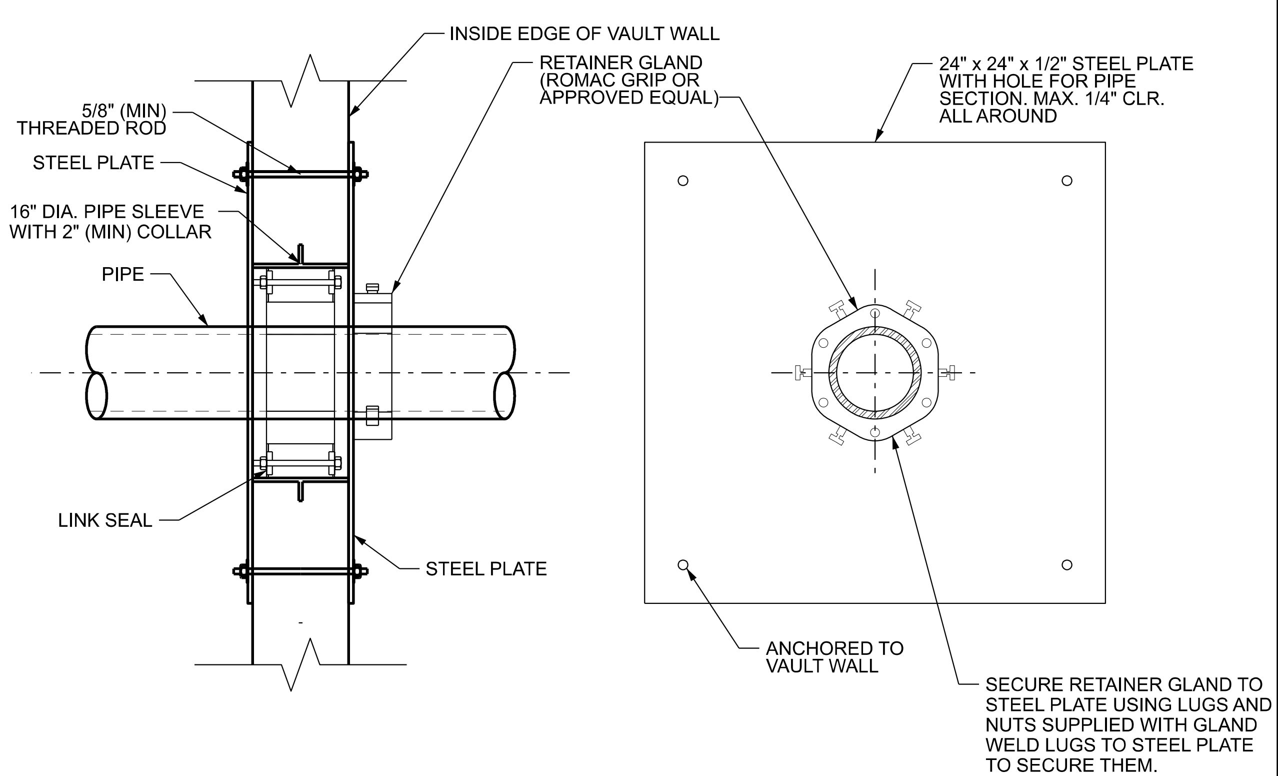
BYPASS LINE PROFILE

ADJUSTABLE PIPE SUPPORT					
APPROXIMATE DIMENSIONS IN INCHES					
PIPE SIZE	A	B	C	D MINIMUM	D MAXIMUM
2.5	2 1/2	1 1/2	9	8	13
3				8 1/4	13 1/4
3.5				8 1/2	13 1/2
4	3	2 1/2		9 1/4	14
5				10	14 3/4
6				10 1/2	15 1/4
8				11 3/4	16 1/2
10				13 1/2	18 1/2
12				15	19 3/4
14	4	3	11	16 1/4	20 3/4
16				17 3/4	22 1/4
18	6	3 1/2	13 1/2	19 1/2	24
20				21	25 1/2
22		4		21 5/16	25 13/16
24				23 3/4	28 1/2
26				24 5/16	28 13/16
30			16	27	31 1/2
32				28 1/4	32 3/4
36				30 1/4	34 3/4

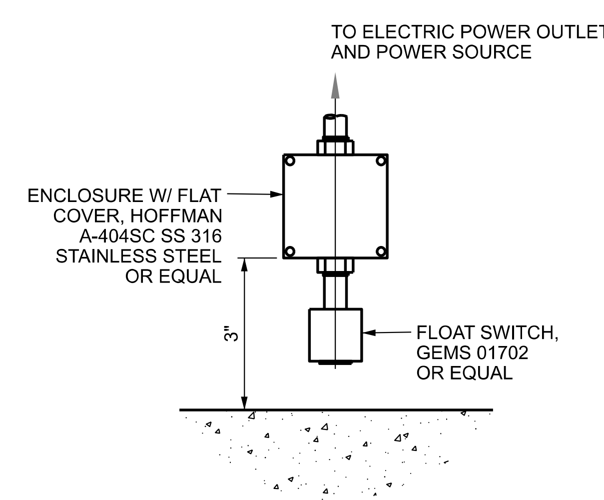
NOTE:
PIPE SUPPORTS TO BE HOT DIP GALVANIZED AFTER FABRICATION.



ADJUSTABLE PIPE SUPPORT



WALL PENETRATION DETAIL



FLOAT SWITCH DETAIL
NTS

CLINTON DETAILS

REVISIONS
NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
DRAWN BY JMM
QC CHECKED BY MSN
7/8/2024 DATE
APPROVED
PROFESSIONAL ENGINEER
PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN 15682
CLINTON DETAILS
SHEET NO. UTDT-07N

EXHIBIT D

GENERAL STRUCTURAL NOTES AND SPECIFICATIONS

1. GENERAL
   - A. These General Structural Notes and Specifications supplement the project written technical specifications and the project structural drawings.
   - B. Where conflicts or discrepancies exist between the Project Drawings, the Contract Documents, Project Geotechnical Report, Technical Specifications, and/or any locally adopted standards or regulations, the more stringent requirement shall apply, unless specifically approved in writing by the Engineer.
   - C. The structures shown on the drawings have been designed for stability under final conditions only. These plans do not include the necessary components or equipment for the structures during construction. The Contractor is responsible for all construction bracing, temporary shoring, and other site safety controls required during construction in accordance with all applicable Local, State and Federal regulations, to ensure the stability and safety of all construction until it is completed and self-supporting.
   - D. The Contractor is responsible for all water, both above and below ground, runoff and other environmental controls required during construction to ensure the site is maintained in compliance with all applicable Local, State and Federal regulations.
   - E. Details on these plans are intended to depict the general construction details and methods for this structure. Connection details and conditions not specifically shown that are similar in nature to those that are specified shall be assumed one and the same. If questions regarding the application of details are encountered, notify the Engineer for clarification or instruction.
   - F. Visits to the job site by the Engineer to observe the construction do not in any way mean that they are guarantors of the Contractor's work, nor responsible for comprehensive or special inspections, coordination, supervision, nor safety at the job site.
   - G. Prior to implementing any changes to these plans, the Engineer shall be notified in writing for their written approval. Changes implemented without the Engineer's written approval shall relieve the Engineer of any claim or liability resulting from that portion of the structure changed or affected by the change.

2. CONTRACTOR RESPONSIBILITY FOR COORDINATION
   - A. It is the Contractors Prime responsibility to coordinate the work shown on all of the Project Drawings, general, special and technical specifications.
   - B. The Contractor is responsible to verify all existing construction material types, dimensions, elevations, and conditions.
   - C. The Contractor shall verify and coordinate the dimensions among all drawings and in the field prior to proceeding with any work or fabrication, any discrepancy shall be immediately reported to the Engineer for direction and/or clarification. Any construction work done by the Contractor before obtaining such clarification from the project Engineer shall be at the Contractor's own risk and cost. Furthermore; any work required to correct, replace and/or restore the work as directed by the Engineer shall be at the Contractor's own risk and cost.
   - D. No structural members shall be cut for pipes, ducts, etc. unless specifically detailed or approved in writing by the Engineer.

3. CODES.
   - A. Unless otherwise noted, all referenced building codes and standards refer to their current editions, including any local, state, or federal amendments or changes, as adopted in the locality of the Project on the date these drawings are signed and sealed by the Project Engineer.
   - B. GENERAL:
     - B.1. International Code Council, ICC, International Building Code, IBC.
     - B.2. Minimum Design Loads for Buildings and Other Structures, ASCE 7.
   - C. CONCRETE:
     - C.1. American Concrete Institute, ACI 301, Specifications for Structural Concrete.
     - C.2. American Concrete Institute, ACI 318, Building Code Requirements for Structural Concrete.
   - D. STEEL:
     - D.1. American Institute of Steel Construction, AISC, Steel Construction Manual.
     - D.2. American Institute of Steel Construction, AISC 360, Specifications for Structural Steel Buildings.
     - D.3. American Institute of Steel Construction, AISC 341, Seismic Provisions for Structural Steel Buildings.
     - D.4. American Welding Society, AWS D1.1, Structural Welding Code.

4. DESIGN CRITERIA.

A. Occupancy or Use; IBC Table 1607.1:	Vault Box
B. Occupancy Category:	U
C. Risk Category; IBC Table 1604.5:	II
D. DEAD LOADS:	
D.1. Roof Dead Load:	
D.1.a. Soil Load:	270 psf
E. LIVE LOADS:	
E.1. Equivalent Traffic Loading:	16k point loads at 6 ft. spacing or 3.5 ft additional soil load
F. SOIL LOADS:	
F.1. Soil density:	135 pcf
F.2. Active Lateral Earth Force:	35 pcf
F.3. At-Rest Lateral Earth Force:	56 pcf
F.4. Passive Lateral Earth Force:	520 pcf
F.5. At-Rest Lateral Earth Force Modified for Compaction:	311 pcf

5. SUBMITTALS.
   - A. Submit required copies, one (1) electronic .pdf file or three (3) minimum hardcopy, of product or material design information to the Engineer for review for the following items:
     - A.4. Concrete mix designs and admixtures.
     - A.5. Non-shrink grout.
     - A.6. Expansion bolts.
     - A.7. Epoxy Anchors.
   - B. Submit required copies of shop drawings, one (1) electronic .pdf file or three (3) minimum hardcopy, to the Engineer for review prior to fabrication of the following items:
     - B.1. Reinforcing steel for all concrete.
     - B.2. Structural steel.
     - B.3. Miscellaneous steel fabrications including, but not limited to, stairs, ladders, grating, floor plate, railing, support brackets, vent pipes, access doors and hatches, etc.
     - B.4. Concrete control joint locations, and pour sequence in concrete tanks/basins for liquid retaining structures. Control joint spacing of 60'-0" maximum spacing.

6. SPECIAL INSPECTIONS. Special Inspections per IBC Chapter 17 are required for the following items:

Special Inspections			
All special inspection shall be performed by approved inspectors.			
		Material	Frequency
A.	Soils. (By Geotechnical Engineer)		
	A.1.	Site preparation	Periodic
	A.2.	Site excavations	Periodic
	A.3.	Fill material verification	Continuous
	A.4.	Fill placement and compaction	Continuous
	A.5.	Lift thickness	Continuous
B.	Concrete		
	B.1.	Reinforcement placement	Periodic
	B.2.	Reinforcing welding	Refer to Steel Welding Requirements
	B.3.	Placement of cast-in-place anchors	Periodic
	B.4.	Verification of use of required mix	Periodic
	B.5.	Concrete placement	Continuous
	B.6.	Concrete curing maintenance	Periodic
	B.7.	Verification of in-situ concrete prior to removal of forms and shores from elevated beams and slabs	Periodic
	B.8.	Verification of formwork	Periodic
C.	Post Installed Concrete Anchors		
	C.1.	Installation	Continuous
D.	Structural steel		
	D.1.	Fabrication of structural elements	Periodic
	D.2.	Material verification of structural steel	Periodic
	D.3.	Material verification of high strength bolts	Periodic
	D.4.	Material verification of anchor bolts and threaded rods	Periodic
	D.5.	Material verification of weld filler materials	Periodic
	D.6.	Welding stair and railing systems	Periodic
	D.7.	Snug-tight high strength bolt installation	Periodic
	D.8.	Welding performed in the shop of an Approved Fabricator shall not require Special Inspection.	-----

7. FOUNDATIONS.
   - A. All footings to be placed on firm undisturbed, inorganic material. Proof roll sub-grade prior to placing concrete where the material has been disturbed by the excavating equipment.
   - B. All soil bearing surfaces shall be inspected by the soils Engineer prior to placement of reinforcing steel.
   - C. All piers and footings outside or at the perimeter of the structure, or in other unheated areas shall be set to a depth of at least 30" below finish grade, unless otherwise noted on the plans.
   - D. All foundations and retaining walls below finish grade shall receive an approved damp-proof coating. Foundation walls below maximum anticipated ground water levels shall receive an approved water-proof coating; extend water-proofing to a minimum of 1-ft above the maximum anticipated ground water level.
   - E. Allowable bearing pressure for all footings Qa=1,500 psf on compacted subgrade.
   - F. Excavations shall be shored as required to prevent subsidence or damage to adjacent existing structures, streets, utilities, etc.
   - G. Local areas of soft and/or unacceptable material encountered at bottom of footing elevations indicated on the plans must be over-excavated and brought up to design grade with compacted structural fill or lean concrete fill at no additional cost to the owner.
   - H. All structural fill and/or backfill shall be granular, free draining, material; Unified Soils Classification GW, GP, GM or SW; maximum aggregate size of 3-in. and no more than 7% passing a number 200 sieve. Material shall be placed in lifts no greater than 6-in. in depth and compacted to 95% of maximum density as determined per ASTM D1557.
   - I. Design for the mitigation of subsurface water flow and/or perched water tables shall be the responsibility of others.
   - J. The Engineer shall be notified in writing if any ground water, clay type soils, debris or unconsolidated materials are encountered during excavations for foundations.
   - K. For water retaining structures, do not backfill walls until structure has been leak tested and supporting floors or roof are completed and in place.

9. STRUCTURAL MATERIALS.
   - A. STRUCTURAL STEEL:
     - A.1. W & WT SHAPES: ASTM A992 Grade 50, Fy=50 ksi.
     - A.2. M & S SHAPES: ASTM A36, Fy=36 ksi.
     - A.3. PLATES, BARS, CHANNELS & ANGLES: ASTM A36, Fy=36 ksi.
     - A.4. STEEL PIPE: ASTM A53 Grade B, Fy=35 ksi.
     - A.5. SQUARE, RECTANGULAR HSS, STEEL TUBING: ASTM A500 Grade C, Fy=50 ksi.
     - A.6. ROUND HSS, STEEL TUBING: ASTM A500 Grade C, Fy=46 ksi
     - A.7. RAISED PATTERN FLOOR PLATE: ASTM A786. Fy=36 ksi.
   - B. STRUCTURAL BOLTS: High Strength Bolts shall be ASTM f3125 Grade A325, Type 1. Nuts for High Strength Bolts shall conform to ASTM A563, Grade DH, Heavy Hex.
   - C. ANCHOR RODS: Anchor Rods (bolts set into concrete) shall be ASTM F1554, Fy=36 ksi. Nuts for anchor rods shall conform to ASTM A563, Grade A, Heavy Hex.
   - D. THREADED STEEL RODS: Threaded steel rods shall conform to ASTM A36, Fy=36 ksi. Nuts for threaded rods shall conform to ASTM A563, Grade A, Heavy Hex.
   - E. WASHERS: All washers shall conform to ASTM F436.
   - F. BOLT PLACEMENT: All bolts shall be on member standard gage lines except as noted otherwise.
   - G. BLIND CONNECTION BOLTS FOR HSS SHAPES: Where bolted connections are indicated to be made to HSS shapes where access is unavailable to the back side of the fastener provide Type HB - Hollo-Bolt by Lindapter or approved equal. Bolt size shall be as indicated on the plans for the thickness of materials to be joined as indicated. Install bolts per the manufacturer's specifications. Provide galvanized fasteners for all exterior applications.
   - H. PROJECT CONCRETE MIX TYPES: Concrete shall be proportioned and furnished for the various project uses for exposure classes F2, S1, W2, C1, and as indicated on the plans and as follows:
     - H.1. M2500-sec: Secondary concrete mix for fill and backfill around buried pipes which do not occur underneath structural footings and foundation slabs: f'c = 2,500 psi, Absolute water-cement ratio by weight = 0.55, Air Content = 6% (+/- 1.5%), maximum aggregate size 3/4-inch; slump 8-inch.
     - H.2. M4000-sec: Standard structural concrete mix for structural concrete, including all structural walls, columns, foundation and roof slabs, beams, and for fill and backfill around buried pipes underneath structural footings and foundation slabs: f'c = 4,000 psi, Absolute water-cement ratio by weight = 0.45, Air Content = 6% (+/- 1.5%), maximum aggregate size 1-inch; slump 3 to 5 inches.
   - I. CONCRETE MIX COMPONENTS.
     - I.1. Cement: ASTM C150 Type II; ASTM C595 Type IL(MS); ASTM C1157 Type MS.
     - I.2. Cement: ASTM C845 Type E-1 (K) for Shrinkage Compensating mixes.
     - I.3. Water: Clean & Potable.
     - I.4. Aggregate: 1-inch Maximum aggregate per ASTM C33. Unless noted otherwise.
     - I.5. Air entraining agent: ASTM C260. Except where concrete is noted to be non-air entrained.
     - I.6. A water-reducing admixture conforming to ASTM C494, used in strict conformance with the manufacturer's instructions, shall be incorporated in all concrete mix designs.
     - I.7. For all water-retaining concrete structural walls and slabs, a high-range water-reducing (HRWR) admixture conforming to ASTM C494, Type F or G, shall be used. The total slump shall be less than 10-in.
     - I.8. Higher water-cement ratios than shown above may be used if substantiated in accordance with ACI 350.
     - I.9. Fly-ash conforming to ASTM C618 Type F or C, may replace up to 20% of the cement content, provided that the mix strength is substantiated by test data.
     - I.10. Mix Proportioning: ACI 211.1 and 350R.
     - I.11. For water-retaining concrete structures, all concrete admixtures shall be NSF 61 approved.
   - J. CONCRETE ACCESSORIES:
     - J.1. REINFORCING STEEL: Reinforcing steel shall conform to ASTM A615 Grade 60; #3 bars may be Grade 40.
     - J.2. WELDED WIRE FABRIC: ASTM A185 or A497.
     - J.3. WIRE: Plain wire shall conform to ASTM A 82. Deformed wire shall conform to ASTM A 496, and Epoxy coated wire shall conform to ASTM A 884.
     - J.4. JOINTING MATERIALS: In accordance with ACI 350 Section 4.8.2. All jointing materials including water-stops, expansion joints and sealants, shall be resistant to chemical attack for the design life of the facility. Sealants shall conform to ASTM C920 and Federal Specification TT-S-00227E and PVC Water-stop shall conform to ASTM D570, ASTM D746, ASTM D1149 and CRD-C572.
   - K. NON-SHRINK GROUT: All non-shrink grout noted on the plans shall be non-shrink, non-metallic grout with a minimum 28-day compressive strength of 7,000 psi.
   - L. MORTAR: All mortar noted on the plans shall be polymer modified cement based mortar for horizontal and vertical surfaces with a minimum 28-day compressive strength of 7,000 psi.
   - M. ANCHORS:
     - M.1. EXPANSION BOLTS: Anchors noted on the plans as "Expansion Bolts" shall be HILTI Kwik Bolt TZ2 or SIMPSON Strong-Bolt 2 wedge anchors; size and embedment as noted on the drawings, installed per the manufacturer's recommendations; or an approved equal.
     - M.2. EPOXY SET BOLTS & REBAR: Anchors and reinforcing steel bars noted on the plans as "Epoxy Set Bolts or Rebar" shall be set in place utilizing the HILTI HIT-HY 200-R or SIMPSON SET-XP High Strength Epoxy system; size and embedment as noted on the drawings, installed per the manufacturer's recommendations; or an approved equal.
     - M.3. SCREW ANCHORS: Anchors noted on the plans as "Screw Anchors" shall be HILTI KH-EZ or SIMPSON Titen HD heavy duty screw anchors; size and embedment as noted on the drawings, installed per the manufacturer's recommendations; or an approved equal.

10. CONCRETE QUALITY AND DETAILS.
   - A. GENERAL. Concrete shall be proportioned to provide an average compressive strength, f'c, as prescribed in ACI 318/350 and shall satisfy the durability criteria of ACI 318/350.
   - B. CONCRETE PROPORTIONS.
     - B.1. Concrete mix proportioning shall be in accordance with ACI 211.1; Standard Practice for Selecting Proportions for Normal, Heavyweight, and Mass Concrete.
     - B.2. Concrete mix proportioning for lightweight concrete shall be in accordance with ACI 211.2; Standard Practice for Selecting Proportions for Lightweight Concrete.
   - C. CONCRETE MIX VERIFICATION: Concrete mix designs shall be verified by standard 28-day cylinder tests per ASTM C39.
   - D. EVALUATION AND ACCEPTANCE OF CONCRETE. Concrete shall be tested in accordance with the requirements of ACI 318.
   - E. MIXING & PLACING CONCRETE. Concrete shall be prepared, mixed, placed and consolidated in accordance with ACI 318 and as follows:
     - E.1. ACI 304; Guide for Measuring, Mixing, Transporting, and Placing Concrete.
     - E.2. ACI 309; Guide for Consolidation of Concrete.
   - F. MINIMUM TIME BETWEEN ADJACENT PLACEMENTS:
     - F.1. Non-liquid Retaining Structures:
       - F.1.a. Construction Joints: Five (5) days wet cure, or seven (7) days dry cure.
       - F.1.b. Control Joints: Two (2) days.
       - F.1.c. Expansion Joints: One (1) day.
     - F.2. Floor Slabs:
       - F.2.a. Construction Joints: Seven (7) days wet cure, or ten (10) days dry cure.
       - F.2.b. Control Joints: Four (4) days.
       - F.2.c. Expansion Joints: One (1) day.
     - F.3. Liquid Retaining Structures:
       - F.3.a. Construction Joints: Ten (10) days wet cure, or fourteen (14) days dry cure.
       - F.3.b. Control Joints: Six (6) days.
   - G. HORIZONTAL JOINTS IN REINFORCED CONCRETE WALLS:
     - G.1. Provide a layer of slurry concrete in the bottom of all horizontal wall joints, 2-inch thick. Thoroughly vibrate to mix concrete & slurry together.
   - H. HORIZONTAL CONSTRUCTION JOINTS CONTAINING WATER-STOP.
     - H.1. Unless otherwise specifically directed, in all horizontal construction joints in new concrete construction containing water-stops, provide an initial layer of slurry mix to aid in consolidation of freshly placed concrete at the joint interface.
     - H.2. Slurry mix shall be a mixture of 3/8-inch maximum aggregate, sand, cement and water.
     - H.3. Place slurry mix 2-inch minimum to 4-inch maximum in thickness.
     - H.4. Place with buckets or other means permitting visual verification that only enough slurry mix is deposited in the vicinity of the concrete pour to meet the thickness requirements.
     - H.5. Place concrete over slurry mix while slurry mix is still flowable.
     - H.6. Limit initial concrete placement on top of slurry mix to 12-inches in thickness. Thoroughly vibrate and consolidate concrete and slurry mix together.
   - I. CONCRETE CURING. Concrete shall be maintained above 50-degrees F and in a moist condition for at least 7 days after placement, except when cured in accordance with ACI 318.
     - I.1. Curing of concrete shall be per the recommendations given in ACI 308; Guide to Curing Concrete.

SOURCE: XXX

CLINTON DETAILS

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY JMM

QC CHECKED BY JCH

7/8/2024 DATE

APPROVED

PROFESSIONAL ENGINEER

PROJECT I-15; 1800 NORTH INTERCHANGE

PIN 15682

PROJECT NUMBER S-I15-8(157)336

CLINTON DETAILS

SHEET NO. UTDT-07O

EXHIBIT D

GENERAL STRUCTURAL NOTES AND SPECIFICATIONS CONTINUED

J. COLD WEATHER REQUIREMENTS. Adequate equipment shall be provided for heating concrete materials and protecting concrete during freezing or near-freezing weather. The recommended procedures listed in ACI 306; Cold Weather Concreting shall be followed.
- J.1. Cold weather is defined as a period when, for more than three (3) consecutive days, the following conditions exist:
  - J.1.a. The average daily air temperature is less than 40-degrees F and
  - J.1.b. The air temperature is not greater than 50-degrees F, for more than one-half of any 24-hour period.

K. HOT WEATHER REQUIREMENTS. During hot weather, proper attention shall be given to ingredients, production methods, handling, placing, protection, and curing to prevent excessive concrete temperatures or water evaporation that could impair required strength or serviceability of the member or structure. The recommended procedures listed in ACI 305; Hot Weather Concreting shall be followed.
- K.1. Hot weather is any combination of the following conditions that tends to impair the quality of freshly mixed or hardened concrete by accelerating the rate of moisture loss and rate of cement hydration, or otherwise causing detrimental results:
  - K.1.a. High ambient temperature.
  - K.1.b. High concrete temperature.
  - K.1.c. Low relative humidity.
  - K.1.d. Wind speed.
  - K.1.e. Solar radiation.

11. FORMWORK.

A. Forms shall result in a final structure that conforms to shapes, lines, and dimensions of the members as required by the design drawings and specifications.
- A.1. Design of formwork shall be in accordance with ACI 318.
- A.2. Formwork shall be in accordance with ACI 347; Guide to Formwork for Concrete.

B. Tolerances for finished concrete surfaces shall meet the following requirements, class of surface is per ACI 117 Section 4.8.3:
- B.1. Footings: Class C
- B.2. Foundation walls: Class B
- B.3. Above grade concrete not visible to sight: Class B
- B.4. Above-grade concrete visible to sight: Class A

C. REMOVAL OF FORMS.
- C.1. Concrete forms shall not be removed until the retained concrete has reached the following minimum percentage of the required 28 day compressive strength:
  - C.1.a. Footings and base slabs on grade: 50% of f'c.
  - C.1.b. Foundation walls and columns: 67% of f'c.
  - C.1.c. Elevated structural slabs, beams & joists: 95% f'c.
- C.2. Where concrete cylinder tests are not available for strength verification the following guide may be used when permitted by the Project Engineer:
  - C.2.a. Footings and base slabs on grade: 12 hours.
  - C.2.b. Foundation walls and columns: 24 hours.
  - C.2.c. Elevated structural slabs, beams and joists:
    - C.2.c.1. Spans under 10-feet: 4 days
    - C.2.c.2. Spans between 10-feet and 15-feet.: 7 days.
    - C.2.c.3. Spans between 15-feet and 20-feet: 10 days
    - C.2.c.4. Spans greater than 20-feet: by cylinder strength verification only.

D. OPENINGS AND EMBEDMENTS IN CONCRETE.
- D.1. Conduits, pipes, and sleeves of any material not harmful to concrete and within limitations of ACI 318 shall be permitted to be embedded in concrete with approval of the Project Engineer, provided they are not considered to replace structurally the displaced concrete, except as provided per code requirements.
- D.2. The Contractor shall coordinate placement of all openings, curbs, dowels, sleeves, conduits, bolts, and inserts prior to placement of concrete.
- D.3. Conduits and pipes of aluminum shall not be embedded in structural concrete unless effectively coated or covered to prevent aluminum-concrete reaction or electrolytic action between aluminum and steel.

E. CONSTRUCTION JOINTS.
- E.1. Construction joints shall only be placed where indicated on the project drawings or as approved by the Project Engineer. Contractor may revise the locations of joints, subject to specified requirements, and shall submit all revised joint locations for review by the engineer prior to placing any concrete.
- E.2. Roughen and clean all construction joints as specified prior to placing adjacent concrete. Sandblasting or other preparation of horizontal and vertical joints is required.
- E.3. Construction joints shall be constructed in accordance with ACI 318.

12. DETAILS OF REINFORCEMENT.

A. Placement of all reinforcing steel within concrete structures shall be in conformance with ACI 318.

B. All reinforcing steel shall be uncoated unless specifically noted otherwise.

C. Reinforcing steel hooks, bends, ties, splices and other reinforcement details shall be in accordance with ACI 315; Details and Detailing of Concrete Reinforcement.

D. All reinforcing steel shall be bent by the fabricator prior to delivery to the site. Reinforcing steel shall not be field bent, unless specifically approved by the Engineer in writing.

E. Spacing limits for reinforcement shall be in conformance with ACI 318.

F. Concrete protection for reinforcement. Unless noted elsewhere on the drawings, all reinforcing steel shall have the following concrete cover:
- F.1. For non-liquid containing concrete structures; per ACI 318:
  - F.1.a. Concrete cast against earth: 3.00 inch
  - F.1.b. Concrete exposed to earth or weather;
    - F.1.b.1. No. 5 or smaller bars: 1.50-inch
    - F.1.b.2. No. 6 or larger bars: 2.00-inch
  - F.1.c. Concrete not exposed to earth or weather;
    - F.1.c.1. No. 11 or smaller bars: 0.75-inch
    - F.1.c.2. No. 14 or larger bars: 1.50-inch
  - F.1.d. Beams and columns;
    - F.1.d.1. Primary rein., ties, stirrups or spirals: 1.50-inch

G. Concrete blocks or plastic-coated bar chairs shall be provided for support of all slab reinforcing steel, sufficient in number to prevent settlement or sagging, but in no case shall such support be continuous. Metal clips or supports shall not be placed in contact with the forms or the sub-grade.

H. Dowels and anchor bolts shall be wired or otherwise held in correct position prior to placing concrete. Care shall be taken to ensure that dowels and anchor bolts remain plum after concrete is poured and vibrated. In no case shall dowels or anchor bolts be stabbed into freshly poured concrete.

I. Provide dowels in footings and at construction joints to match vertical reinforcing bar size and spacing, unless otherwise noted on the drawings.

J. Where drilled in anchors are to be post-installed into concrete surfaces take care to locate reinforcing steel so that it will not interfere with the drilling operations. Move bars plus or minus 1 to 2 inches in order to avoid drilling conflicts.

K. All bar bends, hooks, splices and other reinforcing steel details shall conform to the requirements of ACI 315.

L. Unless otherwise noted on the plans all bars shall be spliced with a minimum Class B lap splice; lap splices of deformed bars and deformed wire in tension zones shall be Class A splices.

M. At all corners and wall intersections provide bent bars to match the horizontal reinforcing steel and in accordance with the typical corner reinforcing details.

N. Chamfer all exposed corners and fillet entrant angles $\frac{3}{4}$-inch unless otherwise noted on the drawings.

O. At slab and wall openings provide a minimum of (4) #5 bars; over, under and at either side of the openings. Extend these bars a minimum of 24-in. past the opening edge. Provide (1) matt of (4) #5 bars for walls or slabs with single-layer reinforcing and (2) matts of (4) #5 bars for double-layer reinforcing walls or slabs. Provide #4, 48-inch long diagonal bars at each re-entrant corner in slabs; (1) bar for slabs with single layer reinforcing and (2) bars for slabs with double layer reinforcing.

13. CONCRETE FINISHING. All concrete surfaces shall be finished in accordance with ACI 301.

A. Formed Concrete Surfaces. After removal of forms, give each formed surface one or more of the following finishes in conformance with ACI 301:
- A.1. Non-liquid Retaining Concrete Structures:
  - A.1.a. Concrete footings and foundations not exposed to view. Provide an As-Cast, SF-1.0 surface finish.
  - A.1.b. Foundation wall and other surfaces below grade and not exposed to view. Provide an As-Cast, SF-1.0 surface finish.
  - A.1.c. Interior, exterior and top surfaces exposed to view to 6-inches below grade. Provide an Smooth-rubbed, SF-2.0 surface finish.
  - A.1.d. Column, beam and joist surfaces that are exposed to view. Provide an Smooth-rubbed, SF-2.0 surface finish.
  - A.1.e. Concrete surfaces to be painted or receive other coating systems. Provide an As-cast, SF-3.0 surface finish. Assure a smooth surface and voids greater than $\frac{1}{8}$" in any direction are filled.
- A.2. Liquid Retaining Concrete Structures:
  - A.2.a. Exterior and top surfaces exposed to view to 6-inches below grade: Pressure wash all concrete surfaces with high-pressure water and provide a Grout-cleaned rubbed, SF-3.0 surface finish. Assure a smooth surface and voids greater than $\frac{1}{8}$" in any direction are filled.
  - A.2.b. Interior surfaces from top of wall to floor slab: Pressure wash all concrete surfaces with high-pressure water and provide a Grout-cleaned rubbed, SF-2.0 surface finish.
  - A.2.c. Surfaces below grade and not exposed to view: Provide a Smooth-rubbed, SF-2.0 surface finish.

B. Unformed Concrete Surfaces. Unformed concrete surfaces including the top surface of all concrete roof and floor slabs shall be finished in accordance with ACI 301 and ACI 302.
- B.1. Non-liquid Retaining Concrete Structures:
  - B.1.a. For the top surfaces of walls, provide a scratch finish.
  - B.1.b. Interior areas receiving only light foot traffic shall receive a Troweled finish.
  - B.1.c. Interior garage, industrial or work areas subject to equipment or traffic loads shall receive a Broom finish.
- B.2. Liquid Retaining Concrete Structures:
  - B.2.a. For the top surfaces of walls, provide a scratch finish.
  - B.2.b. Interior areas in contact with liquid shall receive a Troweled finish.
- B.3. Provide a Nonslip finish for exterior surfaces and where indicated on the plans.

C. Sawed contraction joints. Conform to ACI 301.

14. STRUCTURAL STEEL AND METAL FABRICATIONS

A. All structural steel shall be fabricated and erected in conformance with the AISC manual of steel construction, current edition.

B. All structural steel and miscellaneous metal to be connected shall be clean and free of paint, oil, soil, or other materials which would inhibit weld bonding or connection of the members.

C. All structural steel and miscellaneous metal to be embedded in concrete shall be clean and free of paint, oil, soil, or other materials which would inhibit bonding of metal and concrete.

D. WELDING OF STRUCTURAL STEEL:
- D.1. All welding shall conform to the requirements of the current AWS Structural Welding Code D1.1, current edition
- D.2. Weld Metal: Fexx=70 ksi, typical unless otherwise noted or required by AWS.
- D.3. All welders shall be tested and certified by an independent testing agency.
- D.4. Qualification of welders shall be in accordance with the Specifications for Standard Qualification Procedure of the AWS.
- D.5. All welds found defective shall be repaired and/or replaced and retested for adequacy at the Contractor's expense.
- D.6. At all field welds, embed plates, and angles; low heat and intermittent welds shall be utilized to avoid spalling or cracking the existing concrete.

CLINTON DETAILS

NO.	DATE	APPROVED BY	REVISIONS	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY: JMM

QC CHECKED BY: JCH

APPROVED

7/8/2024 DATE

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

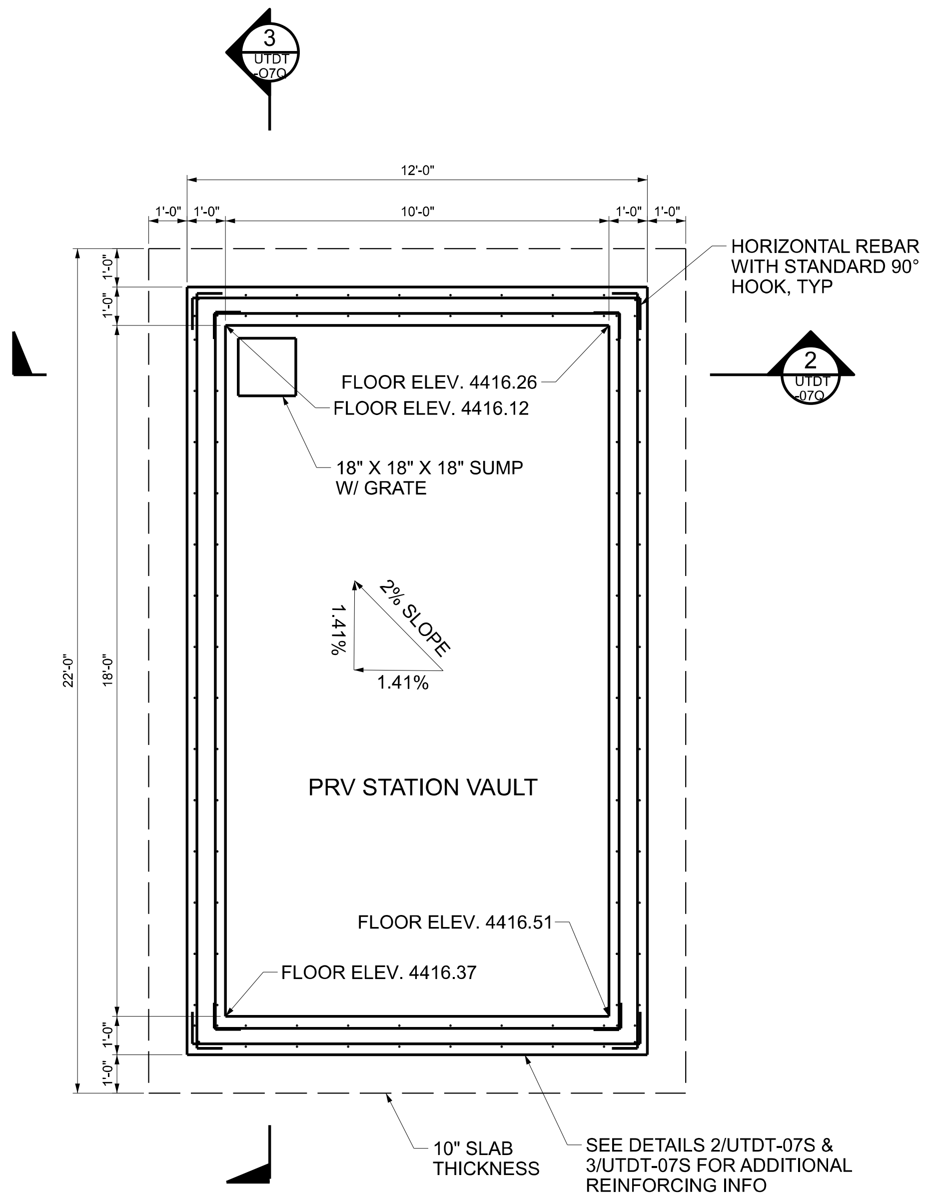
PIN 15682

PROJECT NUMBER: S-I15-8(157)336

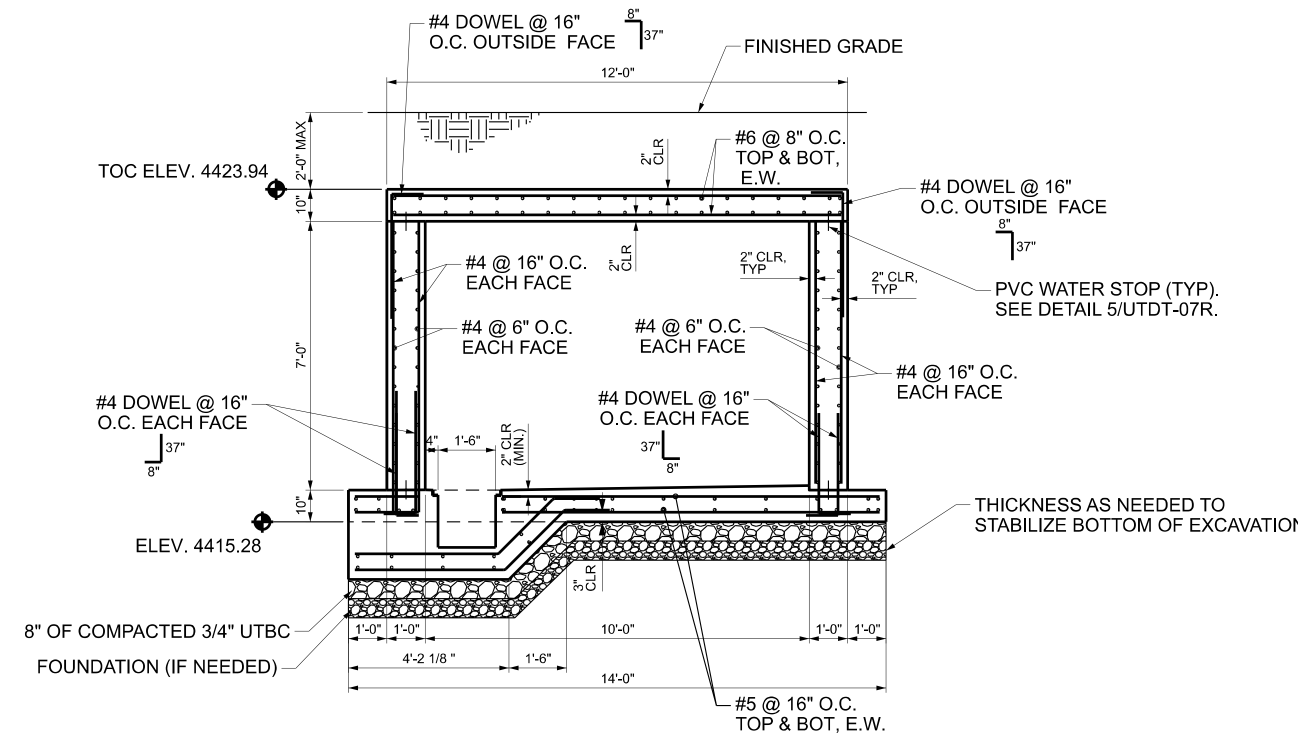
WBWCD DETAILS

SHEET NO. UTDT-07P

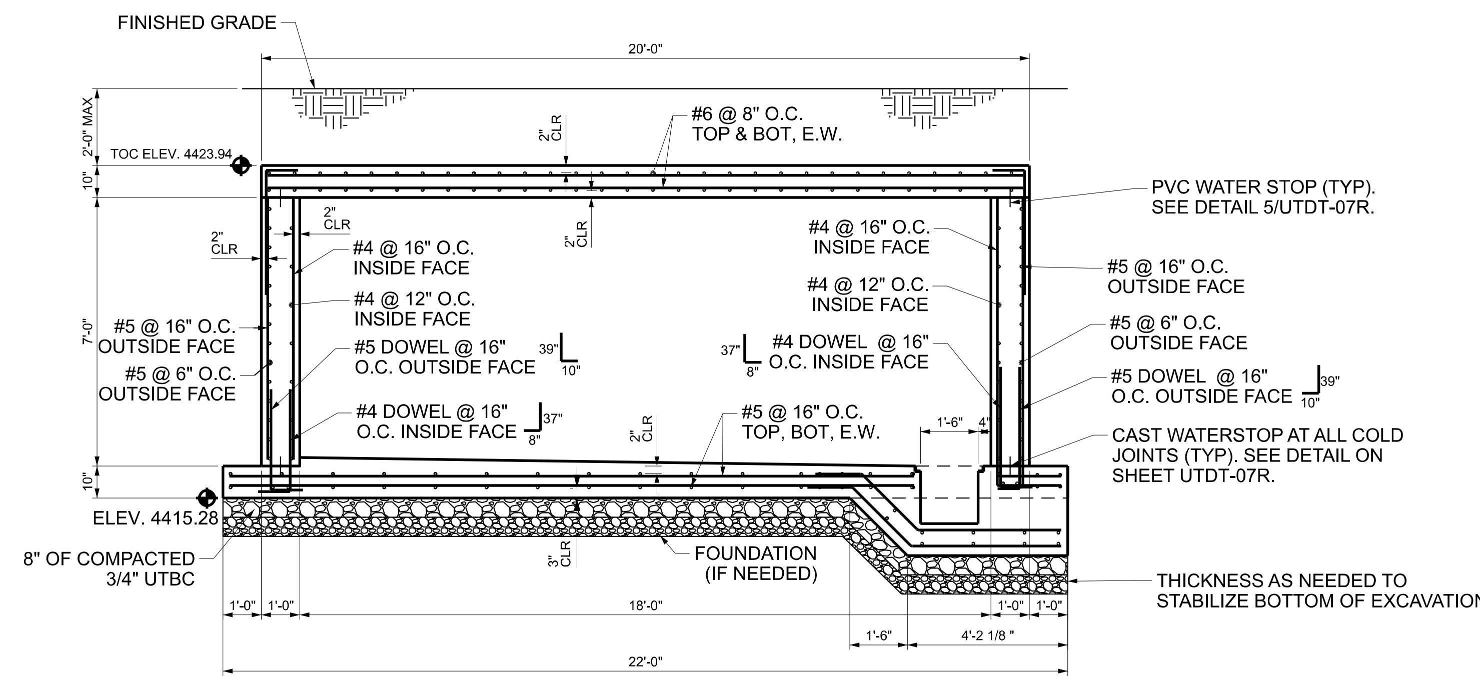
EXHIBIT D



1 PLAN VIEW



2 SECTION



3 SECTION

CLINTON DETAILS

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED

PROFESSIONAL ENGINEER

7/8/2024 DATE

DRAWN BY JMM

QC CHECKED BY MSN

PROJECT: I-15; 1800 NORTH INTERCHANGE

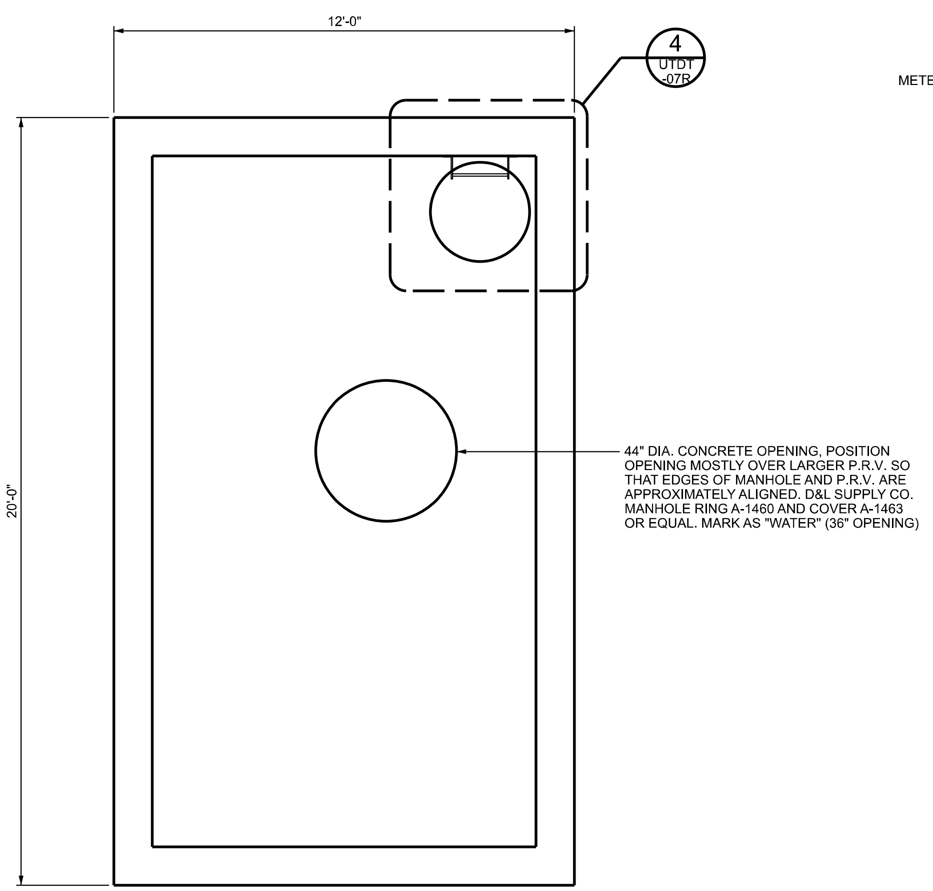
PROJECT NUMBER: S-I15-8(157)336

PIN 15682

CLINTON DETAILS

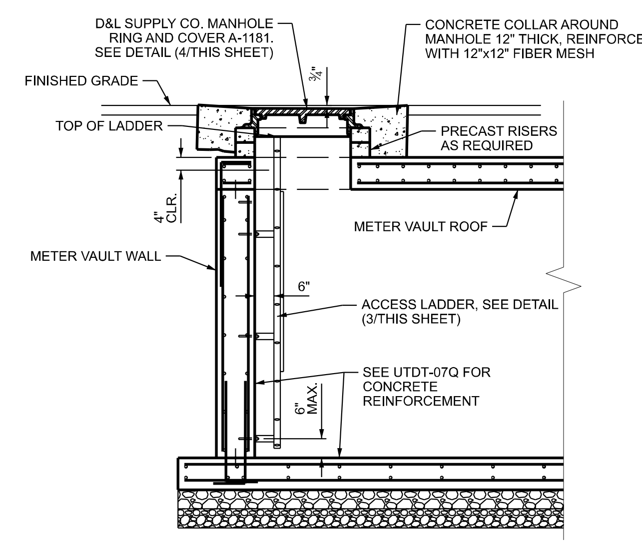
SHEET NO. UTDT-07Q

EXHIBIT D



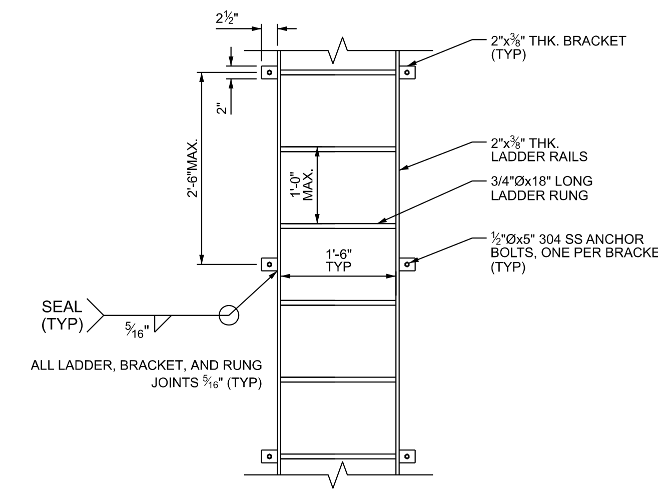
1 HATCH PLAN VIEW

NOTE:
1. ALL LADDER MATERIALS SHALL BE FABRICATED FROM GALVANIZED STEEL.

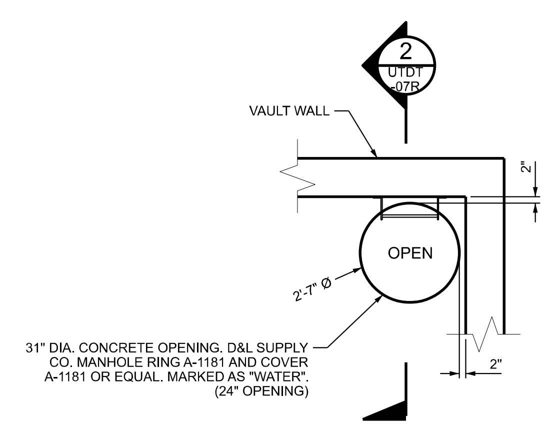


2 MANHOLE SECTION

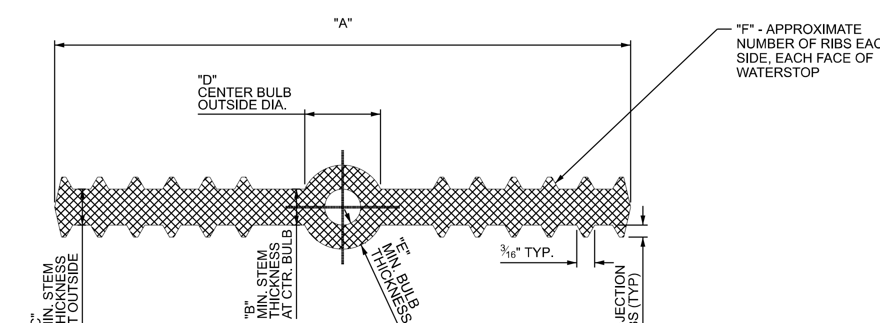
NOTE:
1. ALL LADDER MATERIALS SHALL BE FABRICATED FROM GALVANIZED STEEL.



3 LADDER DETAIL



4 MANHOLE PLAN VIEW



SIZE	A	B	C	D	E	F
6"x⅜"	6"	⅜"	⅜"	⅞"	¼"	6

NOTES:
1. PROVIDE PREFABRICATED INTERSECTION PIECES AND FULLY WELD ALL WATERSTOP PIECES TOGETHER AT INTERSECTIONS PER MANUFACTURER'S REQUIREMENTS.
2. INSTALL WATERSTOP PER MANUFACTURER'S RECOMMENDATIONS. WATERSTOP SHALL BE ENVELOPED WITH CONCRETE FREE OF AIR POCKETS AND DEBRIS. PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL DEMONSTRATE THE METHOD OF PLACEMENT OF THE CONCRETE AROUND THE WATERSTOP TO THE ENGINEER.

5 PVC WATER STOP DETAIL

CLINTON DETAILS

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

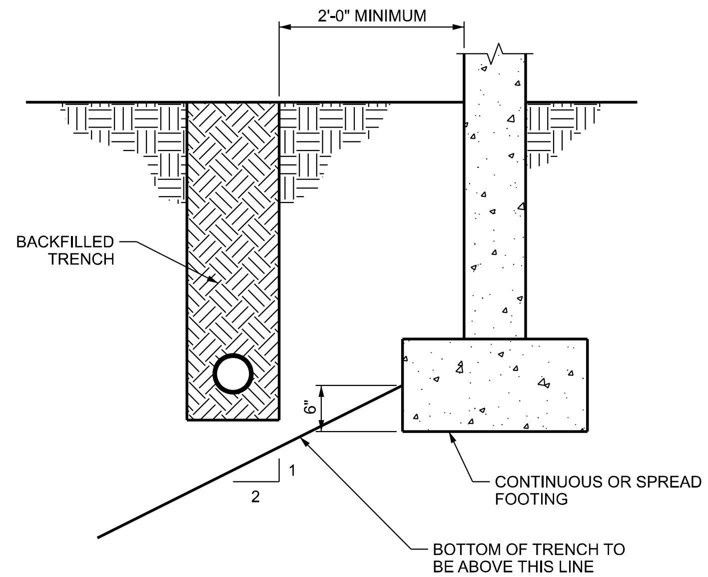
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED
PROFESSIONAL ENGINEER
DATE 7/8/2024
DRAWN BY JMM
QC CHECKED BY MSN

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER: S-I15-8(157)336
CLINTON DETAILS

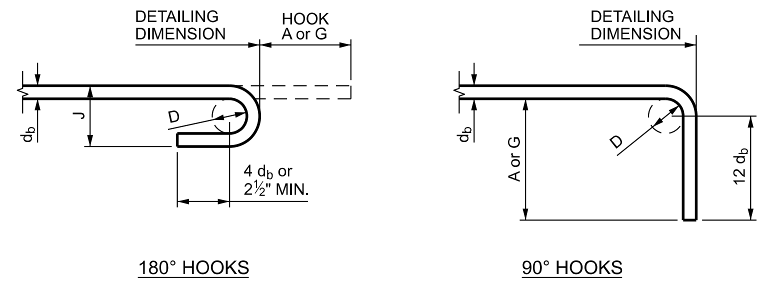
SHEET NO. UTDT-07R

EXHIBIT D



1 PIPE PARALLEL TO FOOTING DETAIL

SCALE:NTS



TYPICAL HOOK DIMENSIONS				
BAR SIZE	D	180° HOOKS		90° HOOKS
		A or G	J	A or G
#3	2¼"	5"	3"	6"
#4	3"	6"	4"	8"
#5	3¾"	7"	5"	10"
#6	4½"	8"	6"	1'-0"
#7	5¼"	10"	7"	1'-2"
#8	6"	11"	8"	1'-4"
#9	9½"	1'-3"	11¾"	1'-7"
#10	10¾"	1'-5"	1'-1¼"	1'-10"
#11	12"	1'-7"	1'-2¾"	2'-0"

NOTES:
db = NORMAL BAR DIAMETER
D = FINISHED INSIDE BEND DIAMETER.
MINIMUM D = 6 db FOR #3 TO #8 BARS.
MINIMUM D = 8 db FOR #9 TO #11 BARS.
MINIMUM D = 10 db FOR #14 AND #18 BARS.

2 TYPICAL REBAR HOOKS DETAIL

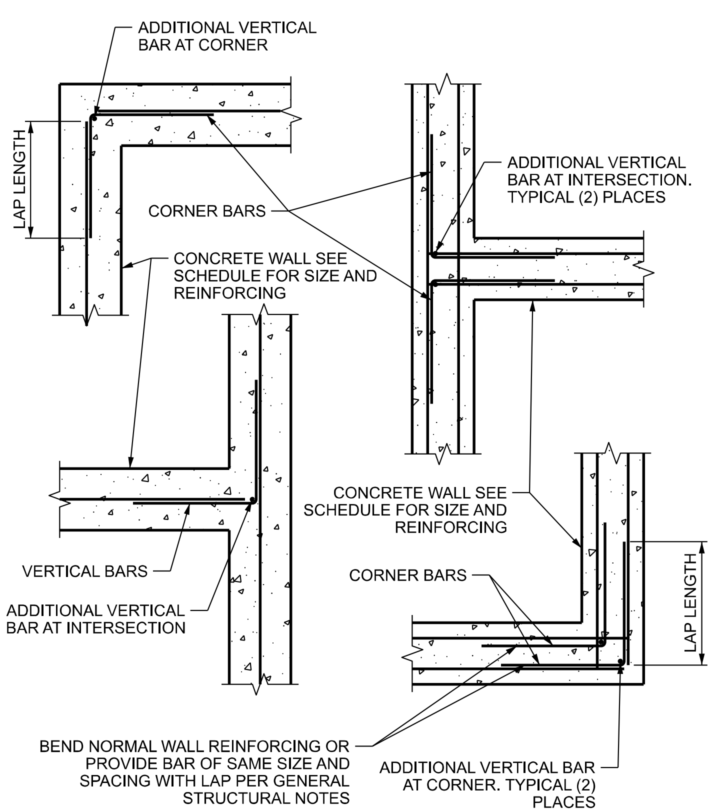
SCALE:NTS

TYPICAL LAP SPLICE LENGTHS IN INCHES, PER ACI 318									
BAR SIZE	LAP CLASS	f"c=3,000 psi		f"c=4,000 psi		f"c=4,500 psi		f"c=5,000 psi	
		CAT. 1	CAT. 2	CAT.1	CAT. 2	CAT. 1	CAT. 2	CAT. 1	CAT. 2
#4	A	22	33	19	28	18	27	17	25
	B	28	43	25	37	24	35	22	33
#5	A	27	41	24	36	23	34	21	32
	B	36	53	31	46	30	44	28	41
#6	A	33	49	28	43	27	41	25	38
	B	43	64	37	55	36	53	33	50
#7	A	48	72	42	62	40	59	37	56
	B	62	93	54	81	51	77	48	72
#8	A	55	82	47	71	45	68	42	64
	B	71	106	61	92	58	88	55	83
#9	A	62	92	53	80	51	76	48	72
	B	80	120	69	104	66	99	62	93

NOTES:
1. FOR GRADE 60 REINFORCING STEEL BARS.
2. ALL LAP SPLICES SHALL BE CLASS B, UNLESS NOTED OTHERWISE.
3. CATEGORY 1: CLEAR COVER ≥ d_b AND CLEAR SPACING ≥ d_b, AND STIRRUPS OR TIES THROUGHOUT Ld ARE PROVIDED.
CATEGORY 1: CLEAR COVER ≥ d_b AND CLEAR SPACING ≥ $2d_b$.
CATEGORY 2: CLEAR COVER ≥ d_b OR CLEAR SPACING ≥ $2d_b$.
4. FOR TOP BARS, MULTIPLY LAP LENGTH LISTED BY 1.30. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CST BELOW THE BARS.
5. FOR EPOXY COATED BARS, LAP LENGTHS SHALL BE MULTIPLIED BY 1.20.

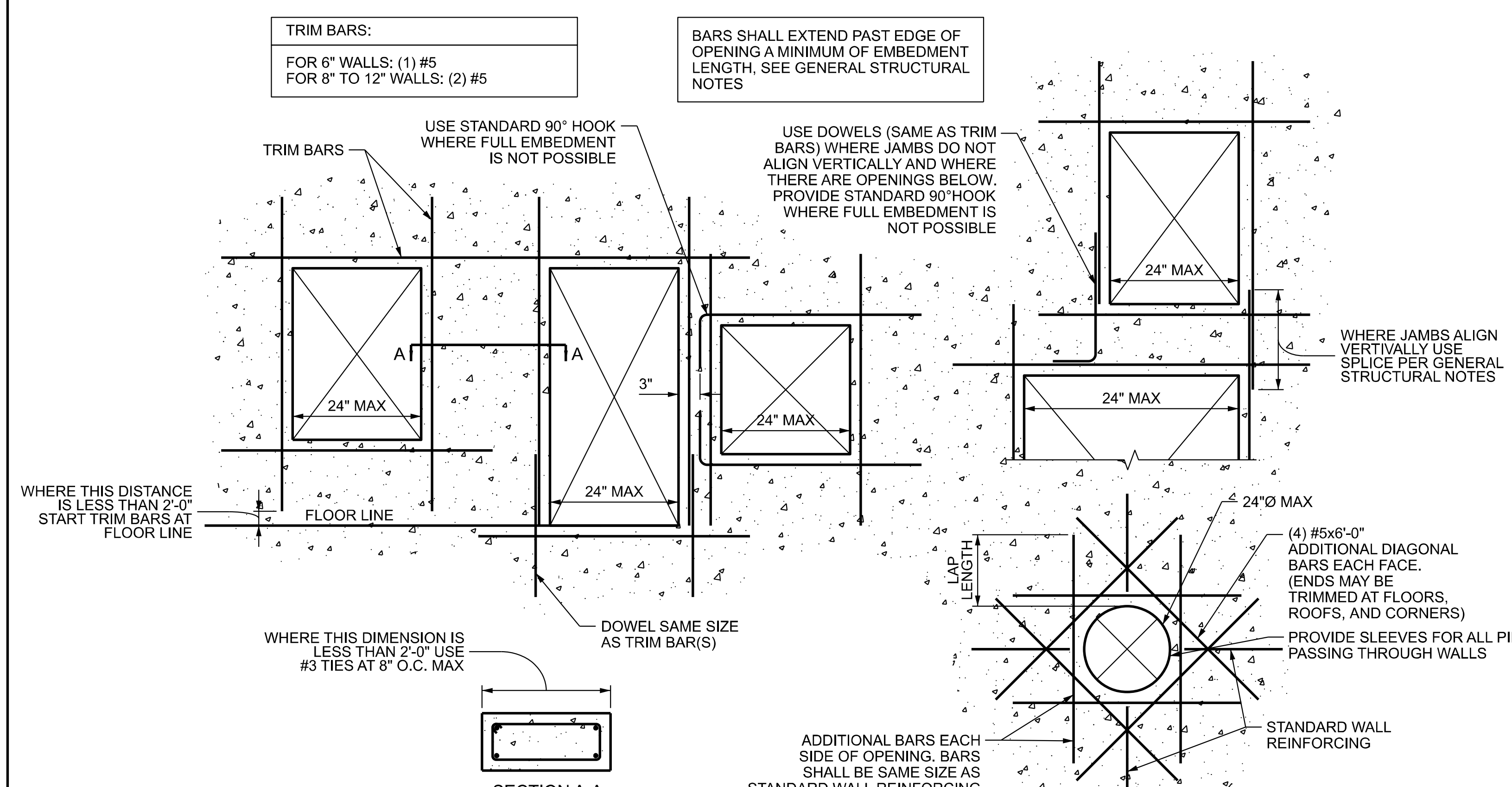
3 TYPICAL REBAR LAP SPLICE SCHEDULE

SCALE:NTS



4 CORNER REINFORCEMENT FOR CONCRETE WALLS

SCALE:1/2" = 1'-0"



5 REINFORCING DETAIL MISCELLANEOUS OPENING IN CONCRETE WALLS

SCALE:1/2" = 1'-0"

CLINTON DETAILS

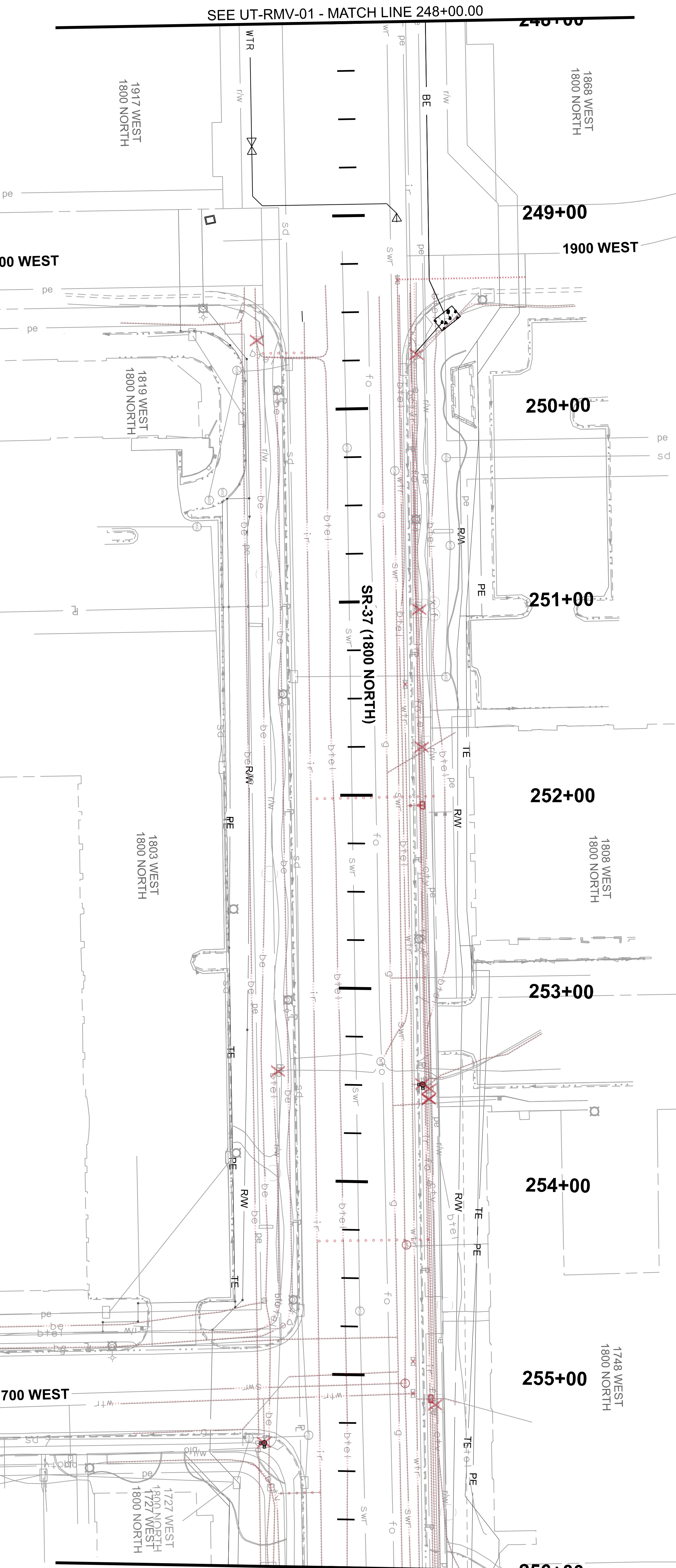
REVISIONS | NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
DRAWN BY JMM
QC CHECKED BY JCH
7/8/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER: S-I15-8(157)336
CLINTON DETAILS
SHEET NO. UTDT-07S

EXHIBIT E

REGION 1 8-JUL-2024 13:56 aellefson DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682_I-15_1800_NORTH_INTERCHANGE/Utilities/15682_UT-RMV-02.dgn



REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
249+30.84 LT 24.80 TO 256+00.00 LT 38.49
249+33.56 LT 91.82 TO 249+33.63 LT 24.72
253+49.12 LT 35.88 TO 253+49.35 LT 30.43
255+09.22 LT 35.41 TO 255+17.42 RT 124.51
255+12.05 LT 35.51 TO 255+13.52 LT 58.01

REMOVE SEWER MANHOLE (CLINTON) REQ'D
SR-37 (1800 NORTH)
254+32.29 LT 28.91
255+03.97 LT 29.44

REMOVE WATER METER (CLINTON) REQ'D
SR-37 (1800 NORTH)
252+05.21 LT 34.25
255+11.79 LT 42.82

REMOVE SEWER PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
255+04.03 LT 28.90 TO 255+08.88 RT 71.69

REMOVE CONCRETE IRRIGATION STRUCTURE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
253+55.07 LT 37.27

REMOVE PIPE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
249+35.45 LT 31.45 TO 256+00.00 LT 45.54

REMOVE VALVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
249+33.63 LT 24.72
251+42.82 LT 25.43
254+92.55 LT 33.33
255+09.18 LT 33.58

REMOVE FIRE HYDRANT (CLINTON) REQ'D
SR-37 (1800 NORTH)
253+49.12 LT 35.88

ABANDON PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
250+32.40 LT 21.65 TO 256+00.00 LT 33.95

REMOVE BURIED CABLE TV BY OTHERS
SR-37 (1800 NORTH)
249+40.12 LT 31.20 TO 251+03.27 LT 32.20

REMOVE OVERHEAD FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
249+72.55 LT 32.73 TO 256+00.00 LT 46.64

REMOVE OVERHEAD CABLE TV BY OTHERS
SR-37 (1800 NORTH)
251+04.09 LT 34.27 TO 256+00.00 LT 49.35

REMOVE BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
249+38.61 LT 43.55 TO 253+44.96 LT 47.69
249+40.96 LT 25.57 TO 253+37.68 LT 13.94

REMOVE GAS IHP BY OTHERS
SR-37 (1800 NORTH)
249+41.77 LT 15.19 TO 256+00.00 LT 29.63
254+80.23 LT 25.13 TO 254+83.99 RT 55.92

REMOVE BURIED ELECTRIC BY OTHERS
SR-37 (1800 NORTH)
249+48.85 LT 117.58 TO 249+71.96 LT 34.45
253+21.67 LT 97.36 TO 253+49.16 LT 39.33
255+16.07 LT 45.64 TO 256+00.00 LT 59.58

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
249+34.69 LT 33.61 TO 256+00.00 LT 47.59

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
249+68.94 LT 30.38
251+00.88 LT 29.59
251+71.84 LT 30.28
253+47.95 LT 35.67
255+11.49 LT 41.49

REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
255+13.21 RT 43.80 TO 255+36.15 RT 42.94

REMOVE PIPE (DWCCC) REQ'D
SR-37 (1800 NORTH)
249+54.46 RT 23.86 TO 256+00.00 RT 12.07

REMOVE VALVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
253+48.63 RT 52.86

REMOVE FIRE HYDRANT (CLINTON) REQ'D
SR-37 (1800 NORTH)
255+36.15 RT 42.94

REMOVE TELEPHONE PEDESTAL BY OTHERS
SR-37 (1800 NORTH)
249+63.84 RT 48.47
253+43.63 RT 39.04

REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
255+46.38 RT 49.48 TO 256+00.00 RT 39.87

REMOVE BURIED CABLE TV BY OTHERS
SR-37 (1800 NORTH)
255+47.50 RT 125.00 TO 256+00.00 RT 34.00

REMOVE BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
249+35.49 RT 12.55 TO 249+72.06 RT 46.14
249+72.06 RT 46.14 TO 256+00.00 LT 1.10
253+43.34 RT 39.09 TO 254+79.64 RT 83.06

REMOVE BURIED ELECTRIC BY OTHERS
SR-37 (1800 NORTH)
249+35.83 RT 54.59 TO 249+53.48 RT 119.33
249+36.36 RT 49.04 TO 256+00.00 RT 37.06
249+52.43 RT 56.31 TO 256+00.01 RT 43.70
249+89.82 RT 38.57 TO 254+90.03 RT 200.00
254+63.34 RT 44.40 TO 254+79.06 RT 200.00

NOTES:

1. SEE UT-A SERIES FOR WATER INFORMATION
2. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
3. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.

PROJECT	I-15; 1800 NORTH INTERCHANGE		
PROJECT NUMBER	S-I15-8(157)336	PIN	15682
	UTILITY REMOVALS		

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED
PROFESSIONAL ENGINEER — 7/8/2024 DATE
DRAWN BY LCJ
QC CHECKED BY KNC

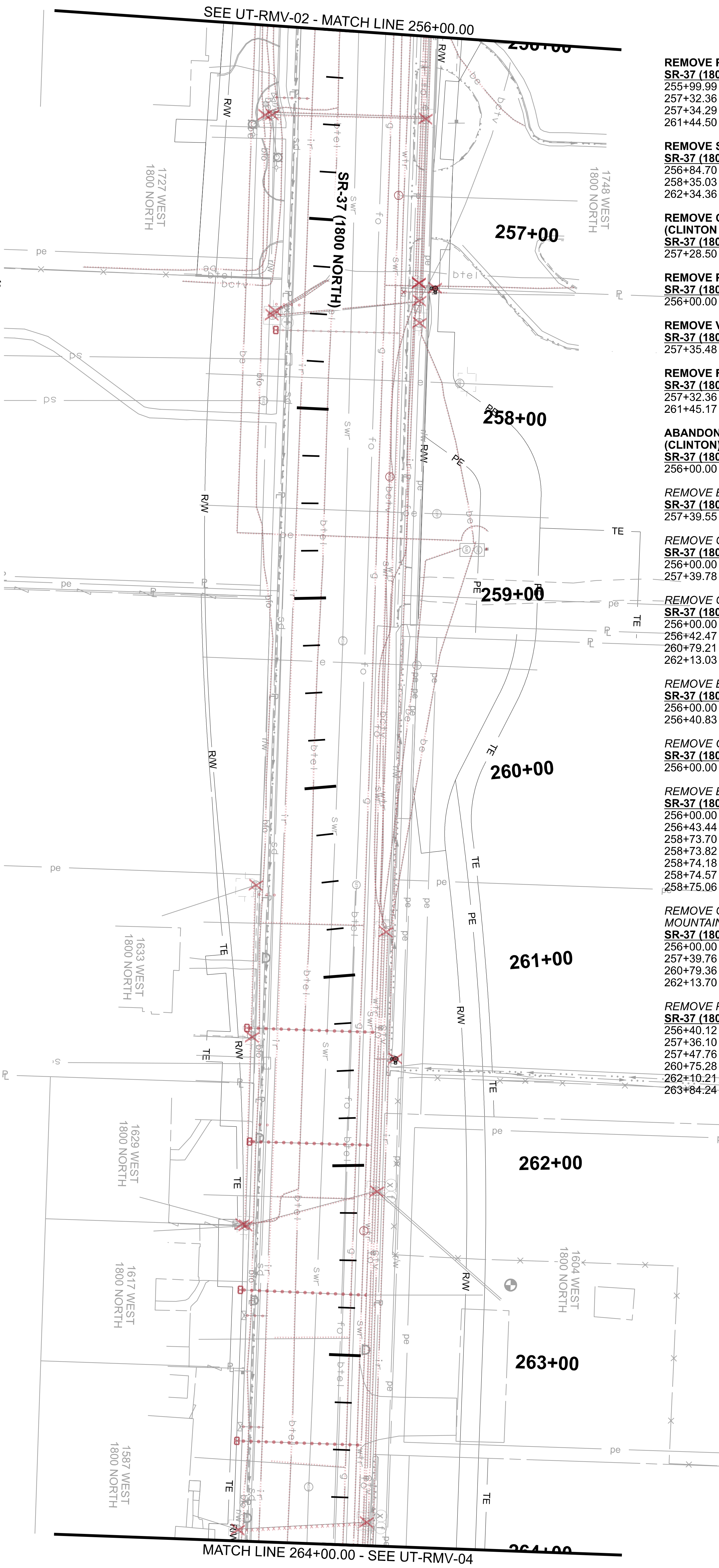
REVISIONS

NO.	DATE	APPROVED BY	REMARKS

SHEET NO. UT-RMV-02

EXHIBIT E

SEE UT-RMV-02 - MATCH LINE 256+00.00



REMOVE WATER METER (CLINTON) REQ'D
SR-37 (1800 NORTH)
257+59.99 RT 21.89
261+24.13 RT 50.59
261+86.16 RT 51.86
262+67.31 RT 56.37
263+47.26 RT 55.33

REMOVE PIPE (DWCCC) REQ'D
SR-37 (1800 NORTH)
256+00.00 RT 12.07 TO 264+00.00 RT 41.81

REMOVE TELEPHONE PEDESTAL BY OTHERS
SR-37 (1800 NORTH)
256+47.37 RT 35.24
257+49.85 RT 23.01
262+31.45 RT 56.03

REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
256+00.00 RT 39.87 TO 264+00.00 RT 51.11

REMOVE BURIED CABLE TV BY OTHERS
SR-37 (1800 NORTH)
256+00.02 RT 34.00 TO 256+45.16 RT 31.12
256+47.84 RT 27.04 TO 257+37.80 RT 72.97

REMOVE BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
257+49.76 RT 22.91 TO 264+00.00 RT 26.71
262+12.26 RT 26.30 TO 262+31.00 RT 55.34

REMOVE BURIED ELECTRIC BY OTHERS
SR-37 (1800 NORTH)
256+00.00 RT 37.06 TO 257+33.93 RT 125.73
256+00.01 RT 43.70 TO 258+64.46 LT 94.38

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
260+59.34 RT 90.79 TO 262+13.82 LT 14.50
262+15.23 RT 113.56 TO 262+31.43 RT 54.41
262+32.61 RT 54.22 TO 262+36.02 RT 106.30
263+87.36 RT 77.30 TO 263+88.05 LT 14.82

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
256+43.55 RT 35.30
257+48.90 RT 28.11
260+43.29 RT 42.11
261+25.30 RT 51.38
262+28.43 RT 57.69
263+47.26 RT 55.33
263+90.63 RT 56.62

REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
255+99.99 LT 38.49 TO 264+00.00 LT 10.47
257+32.36 LT 60.64 TO 257+34.37 LT 60.72
257+34.29 LT 67.71 TO 257+35.26 LT 44.43
261+44.50 LT 15.76 TO 261+45.17 LT 26.82

REMOVE SEWER MANHOLE (CLINTON) REQ'D
SR-37 (1800 NORTH)
256+84.70 LT 37.93
258+35.03 LT 41.96
262+34.36 LT 8.17

REMOVE CONCRETE IRRIGATION STRUCTURE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
257+28.50 LT 49.90

REMOVE PIPE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
256+00.00 LT 45.54 TO 264+00.00 LT 18.34

REMOVE VALVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
257+35.48 LT 44.05

REMOVE FIRE HYDRANT (CLINTON) REQ'D
SR-37 (1800 NORTH)
257+32.36 LT 60.64
261+45.17 LT 26.82

ABANDON PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
256+00.00 LT 33.95 TO 264+00.00 LT 8.32

REMOVE BURIED CABLE TV BY OTHERS
SR-37 (1800 NORTH)
257+39.55 LT 51.69 TO 260+77.40 LT 26.17

REMOVE OVERHEAD FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
256+00.00 LT 46.64 TO 257+39.29 LT 51.39
257+39.78 LT 53.47 TO 264+00.00 LT 13.04

REMOVE OVERHEAD CABLE TV BY OTHERS
SR-37 (1800 NORTH)
256+00.00 LT 49.35 TO 257+39.18 LT 54.10
256+42.47 LT 50.79 TO 256+47.13 RT 35.35
260+79.21 LT 27.64 TO 264+00.00 LT 15.69
262+13.03 LT 15.52 TO 262+67.75 LT 81.83

REMOVE BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
256+00.00 LT 1.10 TO 257+49.80 RT 21.56
256+40.83 LT 2.96 TO 256+47.09 RT 35.23

REMOVE GAS IHP BY OTHERS
SR-37 (1800 NORTH)
256+00.00 LT 29.63 TO 264+00.00 LT 2.61

REMOVE BURIED ELECTRIC BY OTHERS
SR-37 (1800 NORTH)
256+00.00 LT 59.58 TO 256+43.56 LT 101.83
256+43.44 LT 48.54 TO 256+47.55 RT 32.42
258+73.70 LT 94.42 TO 258+74.29 LT 92.39
258+73.82 LT 80.34 TO 260+75.56 LT 24.70
258+74.18 LT 94.42 TO 258+74.59 LT 92.43
258+74.57 LT 94.50 TO 258+74.89 LT 92.41
258+75.06 LT 94.44 TO 258+75.10 LT 92.35

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
256+00.00 LT 47.59 TO 260+77.81 LT 28.98
257+39.76 LT 52.66 TO 257+53.02 RT 25.76
260+79.36 LT 25.71 TO 264+00.00 LT 13.99
262+13.70 LT 14.75 TO 262+68.59 LT 80.98

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
256+40.12 LT 45.67
257+36.10 LT 48.97
257+47.76 LT 49.83
260+75.28 LT 23.44
262+10.21 LT 11.56
263+84.24 LT 11.01

NOTES:
1. SEE UT-A SERIES FOR WATER INFORMATION
2. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
3. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.

MATCH LINE 264+00.00 - SEE UT-RMV-04

PROJECT	I-15; 1800 NORTH INTERCHANGE		
PROJECT NUMBER	S-I15-8(157)336	PIN	15682
	UTILITY REMOVALS		

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED
PROFESSIONAL ENGINEER
7/8/2024
DATE
DRAWN BY LCJ
QC CHECKED BY KNC

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

EXHIBIT E

REGION 1 8-JUL-2024 13:56 aellefson DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 UT-RMV-04.dgn

REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
268+23.51 RT 140.50 TO 268+24.15 LT 206.04
268+24.84 RT 62.58 TO 268+36.01 RT 62.64

REMOVE WATER METER (CLINTON) REQ'D
SR-37 (1800 NORTH)
264+96.92 RT 54.62
266+55.59 RT 55.05
267+03.06 RT 54.51
270+17.07 RT 47.85
271+01.85 RT 47.97

REMOVE PIPE (DWCCC) REQ'D
SR-37 (1800 NORTH)
264+00.00 RT 41.81 TO 268+08.93 RT 40.39
268+08.11 RT 40.39 TO 268+08.82 RT 94.46
268+08.95 RT 41.31 TO 272+00.00 RT 35.92

REMOVE VALVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
268+24.92 RT 52.61

REMOVE FIRE HYDRANT (CLINTON) REQ'D
SR-37 (1800 NORTH)
268+36.01 RT 62.64

REMOVE AIR/VAC ASSEMBLY (DWCCC) REQ'D
SR-37 (1800 NORTH)
267+59.67 RT 53.17

REMOVE VALVE (DWCCC) REQ'D
SR-37 (1800 NORTH)
268+68.19 RT 41.38

REMOVE TELEPHONE PEDESTAL BY OTHERS
SR-37 (1800 NORTH)
264+37.53 RT 53.35
267+67.68 RT 57.16
268+53.61 RT 49.81

REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
264+00.00 RT 51.11 TO 272+00.00 RT 56.88

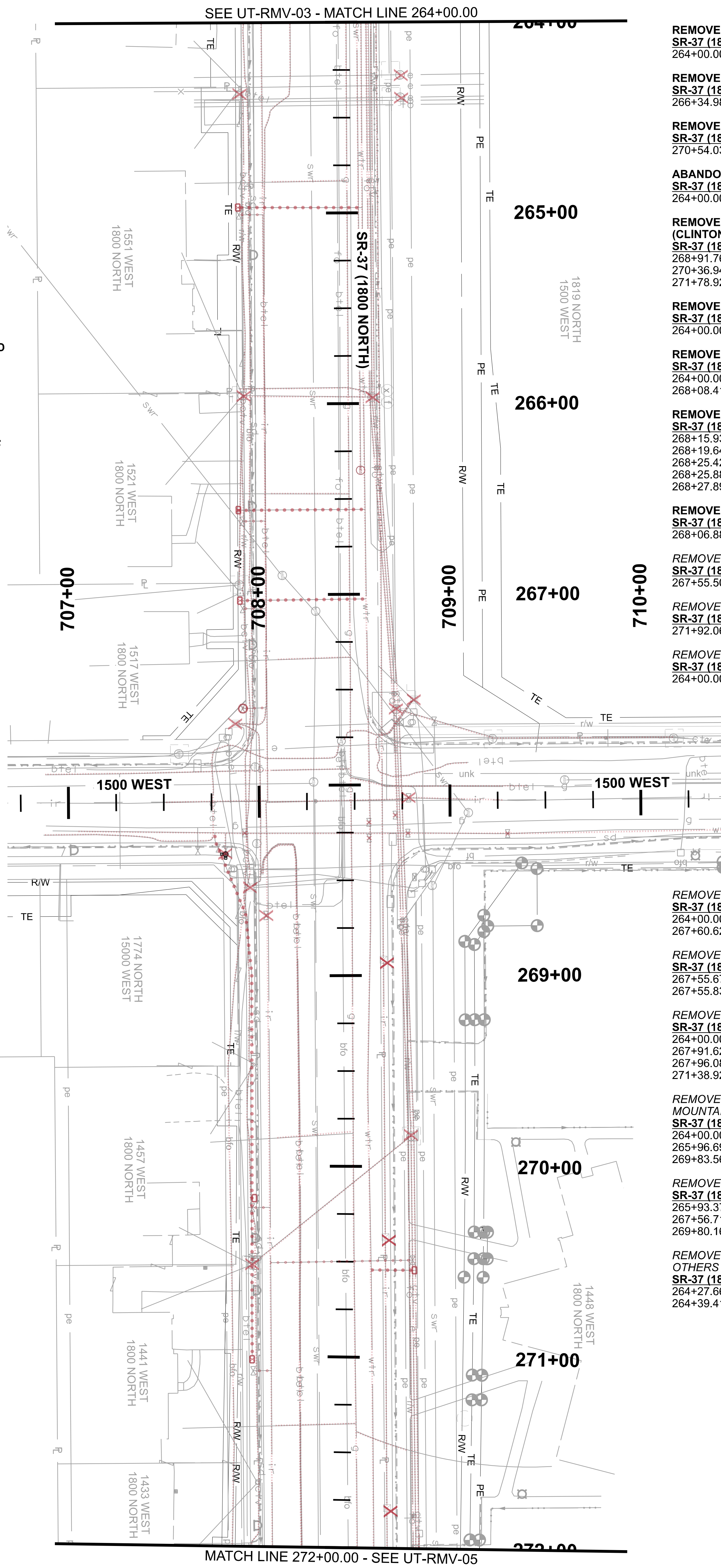
REMOVE BURIED CABLE TV BY OTHERS
SR-37 (1800 NORTH)
264+34.00 RT 52.96 TO 272+00.00 RT 46.71

REMOVE BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
264+00.00 RT 26.71 TO 267+67.54 RT 57.02
267+67.54 RT 57.02 TO 268+53.49 RT 49.78
267+77.80 RT 2.72 TO 268+25.60 RT 157.99
268+46.85 RT 43.14 TO 272+00.00 RT 20.76
268+46.91 RT 43.97 TO 272+00.00 RT 20.41

REMOVE BURIED ELECTRIC BY OTHERS
SR-37 (1800 NORTH)
265+91.92 RT 54.73 TO 265+95.24 LT 14.63

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
265+20.33 RT 84.20 TO 265+95.50 RT 52.60
265+95.78 RT 52.73 TO 266+42.09 RT 93.20
270+53.16 RT 49.08 TO 270+77.86 RT 107.36

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
265+92.40 RT 55.65
270+48.64 RT 52.22



REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
264+00.00 LT 10.47 TO 272+00.00 LT 17.19

REMOVE SEWER MANHOLE (CLINTON) REQ'D
SR-37 (1800 NORTH)
266+34.98 LT 9.09

REMOVE WATER METER (CLINTON) REQ'D
SR-37 (1800 NORTH)
270+54.03 LT 36.46

ABANDON PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
264+00.00 LT 8.32 TO 266+34.95 LT 9.07

REMOVE CONCRETE IRRIGATION STRUCTURE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
268+91.76 LT 19.89
270+36.94 LT 21.08
271+78.92 LT 23.86

REMOVE PIPE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
264+00.00 LT 18.34 TO 272+00.00 LT 24.22

REMOVE PIPE (DWCCC) REQ'D
SR-37 (1800 NORTH)
264+00.00 RT 41.81 TO 268+08.93 RT 40.39
268+08.41 LT 83.33 TO 268+08.95 RT 41.31

REMOVE VALVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
268+15.93 LT 26.37
268+19.64 LT 12.52
268+25.42 LT 32.94
268+25.88 LT 85.20
268+27.89 LT 12.61

REMOVE VALVE (DWCCC) REQ'D
SR-37 (1800 NORTH)
268+06.88 LT 33.41

REMOVE TELEPHONE PEDESTAL BY OTHERS
SR-37 (1800 NORTH)
267+55.50 LT 36.52

REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
271+92.06 LT 40.90 TO 272+00.00 LT 41.06

REMOVE OVERHEAD FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
264+00.00 LT 13.04 TO 272+00.00 LT 37.87

REMOVE OVERHEAD CABLE TV BY OTHERS
SR-37 (1800 NORTH)
264+00.00 LT 15.69 TO 272+00.00 LT 40.77
267+60.62 LT 28.58 TO 267+75.58 LT 172.37

REMOVE BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
267+55.67 LT 35.62 TO 267+76.36 RT .52
267+55.83 LT 35.93 TO 267+88.48 LT 64.89

REMOVE GAS IHP BY OTHERS
SR-37 (1800 NORTH)
264+00.00 LT 2.61 TO 272+00.00 LT 8.49
267+91.62 LT 3.20 TO 267+93.87 RT 156.90
267+96.08 LT 3.22 TO 268+00.53 LT 42.33
271+38.92 LT 7.11 TO 271+49.25 LT 37.72

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
264+00.00 LT 13.99 TO 272+00.01 LT 39.36
265+96.69 LT 15.56 TO 267+02.14 RT 140.94
269+83.56 LT 34.74 TO 270+32.74 RT 87.95

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
265+93.37 LT 11.97
267+56.71 LT 23.41
269+80.16 LT 30.42

REMOVE TRANSMISSION POLE (RMP) BY OTHERS
SR-37 (1800 NORTH)
264+27.66 LT 30.61
264+39.41 LT 30.66

NOTES:
1. SEE UT-A SERIES FOR WATER INFORMATION
2. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
3. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.

PROJECT	I-15; 1800 NORTH INTERCHANGE		
PROJECT NUMBER	S-I15-8(157)336	PIN	15682
	UTILITY REMOVAL		

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED
PROFESSIONAL ENGINEER
7/8/2024
DATE

DRAWN BY LCJ
QC CHECKED BY KNC

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

SHEET NO. UT-RMV-04

EXHIBIT E

REGION 1 8-JUL-2024 13:57 aellefson DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 UT-RMV-05.dgn

REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
273+04.06 RT 55.40 TO 273+14.97 RT 55.15

REMOVE WATER METER (CLINTON) REQ'D
SR-37 (1800 NORTH)
273+22.46 RT 67.92
273+50.36 RT 40.11
273+53.61 RT 40.22
275+74.72 RT 36.90
277+07.78 RT 33.59
277+96.66 RT 31.53

REMOVE PIPE (DWCCC) REQ'D
SR-37 (1800 NORTH)
272+00.00 RT 35.92 TO 272+81.34 RT 34.26
272+81.34 RT 34.26 TO 272+82.43 RT 90.19
272+81.34 RT 34.26 TO 278+65.95 RT 20.03
278+65.95 RT 20.03 TO 278+66.48 RT 64.11
278+65.95 RT 20.03 TO 280+00.00 RT 16.81

REMOVE VALVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
273+03.79 RT 50.93
278+93.40 RT 40.97

REMOVE FIRE HYDRANT (CLINTON) REQ'D
SR-37 (1800 NORTH)
273+14.97 RT 55.15

REMOVE VALVE (DWCCC) REQ'D
SR-37 (1800 NORTH)
272+81.52 RT 52.50
278+65.85 RT 38.11

REMOVE TELEPHONE PEDESTAL BY OTHERS
SR-37 (1800 NORTH)
273+26.02 RT 42.36

REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
272+00.00 RT 56.88 TO 280+00.00 RT 30.00
276+33.69 RT 42.21 TO 278+41.78 RT 98.26
279+08.28 RT 152.14 TO 280+00.00 RT 39.51

REMOVE BURIED CABLE TV BY OTHERS
SR-37 (1800 NORTH)
272+00.00 RT 46.71 TO 277+36.35 RT 32.20
275+32.69 RT 37.48 TO 275+89.77 RT 72.03
276+38.66 RT 34.20 TO 276+64.60 RT 71.72
279+10.93 RT 152.42 TO 280+00.00 RT 37.34

REMOVE OVERHEAD CABLE TV BY OTHERS
SR-37 (1800 NORTH)
277+35.12 RT 33.23 TO 277+38.92 LT 46.21

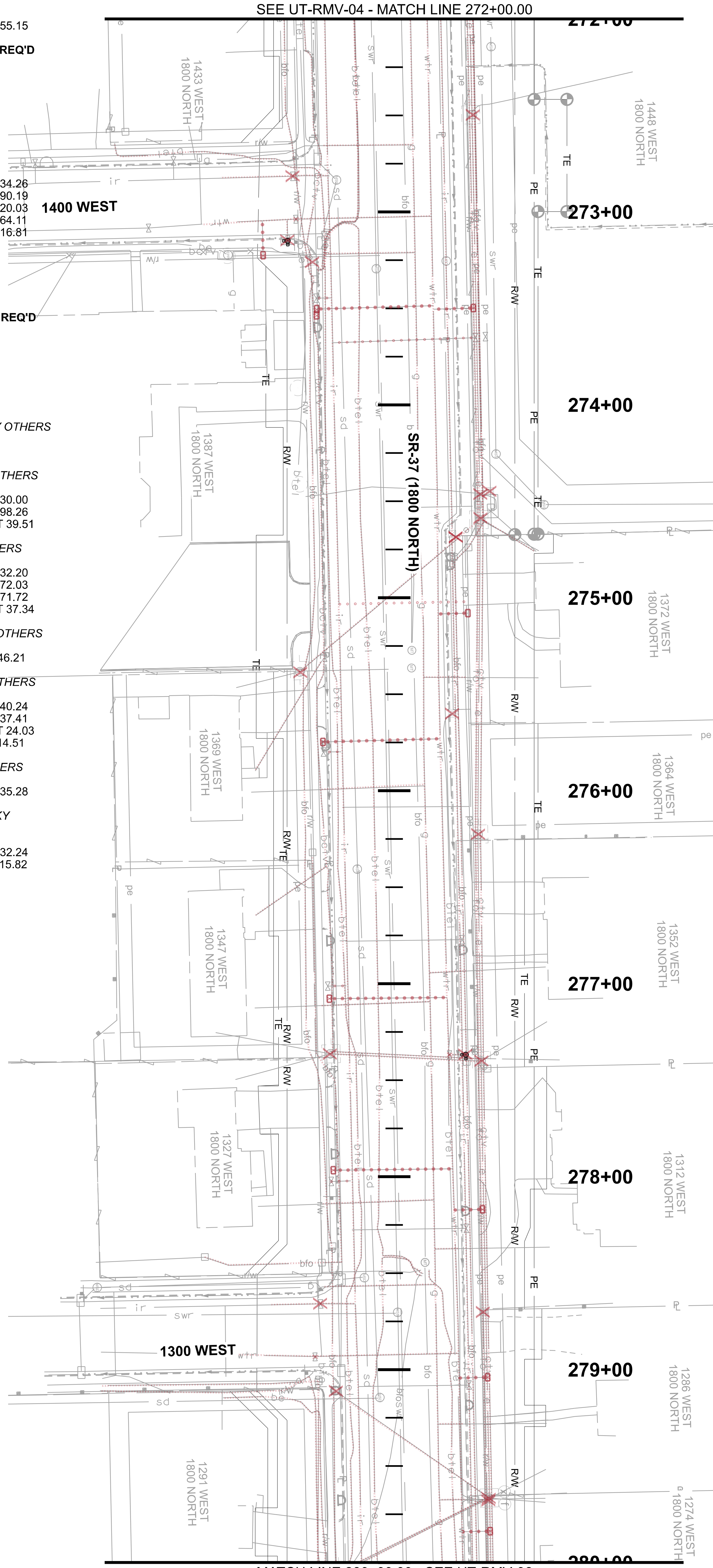
REMOVE BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
272+00.00 RT 20.41 TO 273+29.94 RT 40.24
272+00.00 RT 20.76 TO 273+28.65 RT 37.41
272+64.31 RT 144.83 TO 280+00.00 RT 24.03
273+30.11 RT 40.41 TO 278+51.41 LT 14.51

REMOVE BURIED ELECTRIC BY OTHERS
SR-37 (1800 NORTH)
279+14.61 RT 88.72 TO 280+00.00 RT 35.28

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
277+25.75 RT 92.08 TO 277+36.22 RT 32.24
279+11.18 RT 31.16 TO 280+00.00 RT 15.82

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
275+35.24 RT 52.27
277+33.07 RT 36.91
279+07.74 RT 33.84

SEE UT-RMV-04 - MATCH LINE 272+00.00



MATCH LINE 280+00.00 - SEE UT-RMV-06

REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
272+00.00 LT 17.19 TO 280+00.02 LT 35.75
273+02.29 LT 19.33 TO 273+06.68 RT 98.81
277+36.78 LT 37.15 TO 277+36.99 LT 28.42
278+91.62 LT 33.49 TO 278+92.11 RT 95.12

REMOVE WATER METER (CLINTON) REQ'D
SR-37 (1800 NORTH)
273+49.85 LT 41.03
275+07.94 LT 38.22
278+16.94 LT 45.82
279+03.98 LT 48.42
279+83.71 LT 49.74

REMOVE CONCRETE IRRIGATION STRUCTURE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
274+66.92 LT 30.06

REMOVE PIPE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
272+00.00 LT 24.22 TO 280+00.00 LT 40.69

REMOVE FIRE HYDRANT (CLINTON) REQ'D
SR-37 (1800 NORTH)
277+36.78 LT 37.15

REMOVE TELEPHONE PEDESTAL BY OTHERS
SR-37 (1800 NORTH)
274+44.84 LT 49.54
274+46.34 LT 44.79
275+60.10 LT 30.14
278+70.24 LT 46.11
279+67.93 LT 48.97

REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
272+00.00 LT 41.06 TO 280+00.00 LT 42.89

REMOVE OVERHEAD FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
272+00.00 LT 37.87 TO 280+00.00 LT 48.43

REMOVE OVERHEAD CABLE TV BY OTHERS
SR-37 (1800 NORTH)
272+00.00 LT 40.77 TO 280+00.00 LT 51.26
274+59.20 LT 45.61 TO 274+75.87 LT 73.18
279+65.41 LT 50.53 TO 280+00.00 RT 18.68

REMOVE BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
278+48.03 LT 18.10 TO 280+00.00 LT 32.34
278+50.29 LT 15.11 TO 280+00.00 RT 8.63

REMOVE GAS IHP BY OTHERS
SR-37 (1800 NORTH)
272+00.00 LT 8.49 TO 280+00.00 LT 25.00
272+65.28 LT 9.82 TO 272+65.70 RT 36.76
278+55.93 LT 21.55 TO 278+57.14 RT 36.67

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
272+00.02 LT 39.36 TO 280+00.00 LT 49.98
272+27.46 LT 123.63 TO 272+48.35 LT 39.99
274+59.55 LT 44.55 TO 275+46.58 RT 81.82
277+19.64 LT 79.20 TO 277+50.43 RT 83.80
279+51.68 LT 78.63 TO 279+66.61 LT 49.47
279+66.61 LT 49.46 TO 279+68.82 LT 78.33

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
272+46.39 LT 37.12
274+55.29 LT 41.08
276+19.14 LT 39.84
277+36.60 LT 41.59
279+63.31 LT 45.38

NOTES:
1. SEE UT-A SERIES FOR WATER INFORMATION
2. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
3. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.

PROJECT	I-15; 1800 NORTH INTERCHANGE		UTAH DEPARTMENT OF TRANSPORTATION JUB ENGINEERS, INC.	
PROJECT NUMBER	S-I15-8(157)336	PIN 15682	APPROVED	DRAWN BY LCJ
	UTILITY REMOVAL		PROFESSIONAL ENGINEER 7/8/2024 DATE	QC CHECKED BY KNC

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

SHEET NO. UT-RMV-05

EXHIBIT E

REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
282+85.04 RT 34.06 TO 283+05.23 RT 33.44
287+71.03 RT 13.92 TO 287+90.02 RT 13.85
287+71.34 RT 23.93 TO 287+90.11 RT 23.94
287+90.02 RT 13.85 TO 287+90.44 RT 64.14

REMOVE WATER METER (CLINTON) REQ'D
SR-37 (1800 NORTH)
280+67.24 RT 26.15
283+04.27 RT 103.03
284+59.52 RT 20.69
285+53.79 RT 20.68

REMOVE PIPE (DWCCC) REQ'D
SR-37 (1800 NORTH)
280+00.00 RT 16.81 TO 282+77.15 RT 11.50
282+77.15 RT 11.50 TO 282+78.46 RT 91.98
282+77.15 RT 11.50 TO 284+06.69 RT 9.87
284+06.69 RT 9.87 TO 284+11.20 LT 97.86
284+06.69 RT 9.87 TO 288+00.00 RT 8.50

REMOVE VALVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
282+84.81 RT 28.86
287+70.79 RT 15.06
287+72.86 RT 13.62

REMOVE FIRE HYDRANT (CLINTON) REQ'D
SR-37 (1800 NORTH)
283+05.23 RT 33.44
285+95.20 RT 21.95
287+71.35 RT 23.91

REMOVE VALVE (DWCCC) REQ'D
SR-37 (1800 NORTH)
282+77.10 RT 32.09
283+85.65 RT 11.72
286+67.41 RT 12.13

REMOVE TELEPHONE PEDESTAL BY OTHERS
SR-37 (1800 NORTH)
280+06.71 RT 36.26
280+08.23 RT 36.20
280+12.61 RT 27.74
280+23.68 RT 28.54
285+24.10 RT 19.98

REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
280+00.00 RT 39.51 TO 280+15.94 RT 38.35
280+00.03 RT 30.00 TO 288+00.00 RT 19.99
282+44.18 RT 112.64 TO 282+49.66 RT 30.71
283+10.18 RT 138.35 TO 286+56.51 RT 26.19

REMOVE BURIED CABLE TV BY OTHERS
SR-37 (1800 NORTH)
282+49.68 RT 30.05 TO 282+62.30 RT 115.45
283+04.34 RT 143.21 TO 284+28.91 RT 20.42
283+89.05 RT 60.22 TO 284+29.59 RT 21.31
284+29.59 RT 21.31 TO 284+55.53 RT 58.92

REMOVE OVERHEAD CABLE TV BY OTHERS
SR-37 (1800 NORTH)
280+00.00 RT 18.68 TO 280+00.02 RT 37.30
285+97.08 RT 52.98 TO 287+02.35 LT 55.78

REMOVE BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
280+00.00 RT 24.03 TO 280+06.55 RT 36.13
280+00.00 RT 8.63 TO 288+00.00 RT 1.72
285+23.94 RT 19.91 TO 285+24.07 LT 5.06

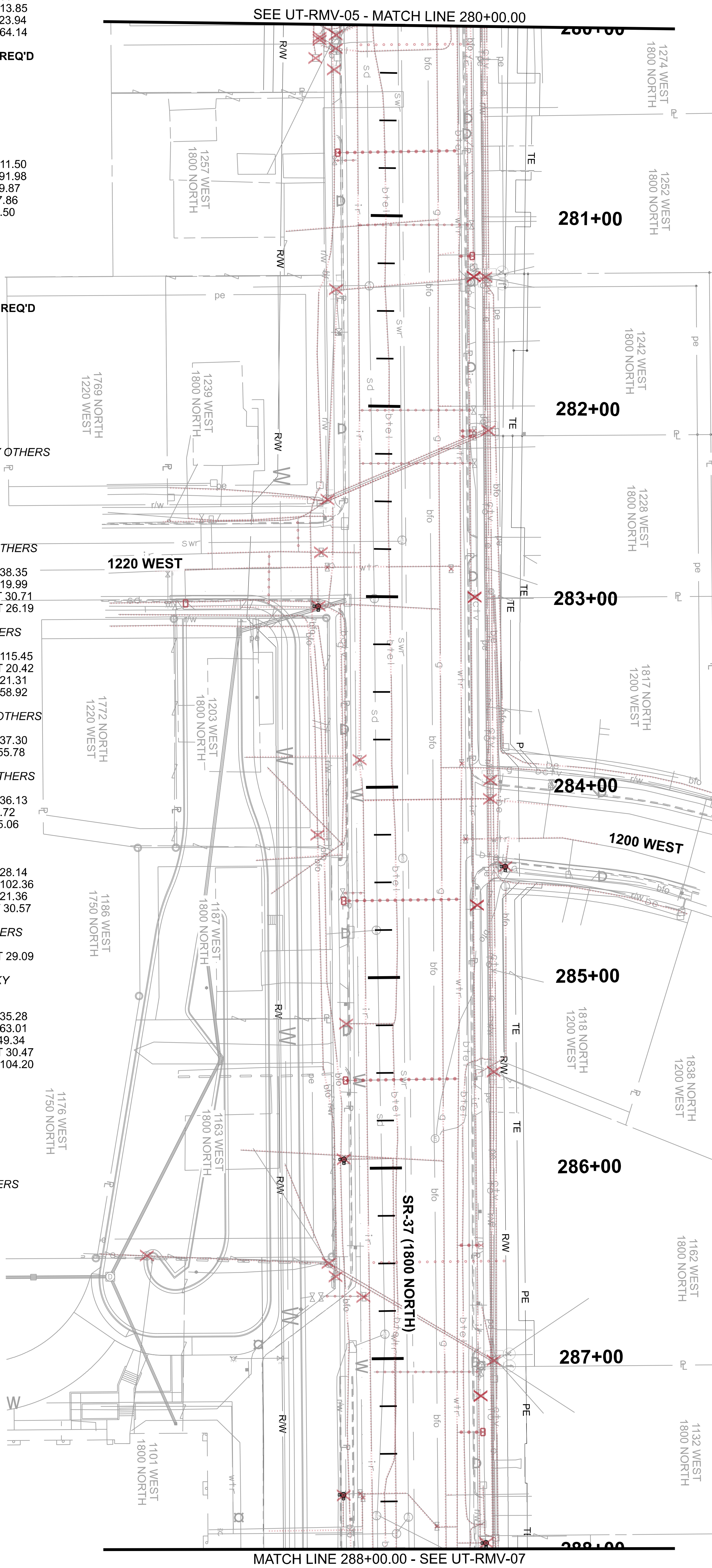
REMOVE GAS IHP BY OTHERS
SR-37 (1800 NORTH)
282+53.09 RT 26.34 TO 283+04.74 RT 28.14
282+58.16 RT 26.20 TO 282+60.27 RT 102.36
283+03.92 RT 21.81 TO 284+37.91 RT 21.36
283+05.75 RT 101.12 TO 283+06.29 LT 30.57

REMOVE BURIED ELECTRIC BY OTHERS
SR-37 (1800 NORTH)
283+16.18 RT 142.97 TO 284+27.87 RT 29.09

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
280+00.00 RT 15.82 TO 280+00.00 RT 35.28
280+05.56 RT 28.16 TO 280+78.89 RT 63.01
285+89.09 RT 69.59 TO 286+73.01 LT 49.34
286+43.47 RT 150.88 TO 286+49.61 RT 30.47
286+48.87 RT 31.08 TO 286+53.48 RT 104.20

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
280+02.08 RT 31.59
281+35.59 RT 29.77
282+46.07 RT 32.87
286+41.25 RT 129.41
286+46.11 RT 34.04

REMOVE FIBER OPTIC BOX BY OTHERS
SR-37 (1800 NORTH)
280+17.80 RT 38.37
284+24.77 RT 34.05
286+56.71 RT 26.74



REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
280+00.00 LT 35.75 TO 288+00.00 LT 35.81
282+83.67 LT 41.25 TO 282+87.81 RT 119.35
284+27.77 LT 66.36 TO 284+42.32 LT 64.22
284+31.27 LT 113.46 TO 284+27.92 LT 41.22
287+70.80 LT 9.71 TO 287+71.03 RT 13.92
287+70.80 LT 9.71 TO 287+88.58 LT 25.44
287+88.46 LT 35.85 TO 287+88.58 LT 25.44
287+96.91 LT 50.86 TO 287+96.97 LT 35.82

REMOVE WATER METER (CLINTON) REQ'D
SR-37 (1800 NORTH)
281+20.61 LT 45.11
287+39.02 LT 49.56

REMOVE CONCRETE IRRIGATION STRUCTURE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
281+29.81 LT 44.24
282+98.13 LT 46.83
284+60.74 LT 47.44
287+18.39 LT 46.79

REMOVE PIPE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
280+00.00 LT 40.69 TO 288+00.00 LT 47.92

REMOVE VALVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
282+12.29 LT 47.28
282+15.12 LT 47.43
282+84.95 LT 36.09
283+87.84 LT 41.82
284+27.65 LT 43.54
287+88.10 LT 25.10

REMOVE FIRE HYDRANT (CLINTON) REQ'D
SR-37 (1800 NORTH)
284+42.32 LT 64.22
287+96.91 LT 50.86

REMOVE VALVE (DWCCC) REQ'D
SR-37 (1800 NORTH)
284+06.68 LT 56.91

REMOVE ASBESTOS CEMENT PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
285+94.98 LT 3.86 TO 285+95.20 RT 21.95
285+94.98 LT 3.86 TO 288+00.00 LT 3.84

REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
280+00.00 LT 42.89 TO 283+79.97 LT 63.85
284+53.61 LT 64.46 TO 285+51.51 LT 47.78
287+66.80 LT 49.54 TO 288+00.00 LT 56.03

REMOVE OVERHEAD FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
280+00.00 LT 48.43 TO 288+00.00 LT 54.44
282+11.42 LT 53.49 TO 282+48.60 RT 30.69

REMOVE OVERHEAD CABLE TV BY OTHERS
SR-37 (1800 NORTH)
280+00.00 LT 51.26 TO 288+00.00 LT 57.28
282+13.39 LT 54.57 TO 282+50.31 RT 29.33
286+69.59 LT 105.52 TO 287+01.48 LT 57.09
287+01.54 LT 57.09 TO 287+29.63 LT 81.66

REMOVE BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
280+00.00 LT 32.31 TO 280+08.12 RT 36.01
285+43.52 LT 56.40 TO 287+87.04 LT 49.12
287+87.32 LT 49.13 TO 288+00.00 LT 42.37

REMOVE GAS IHP BY OTHERS
SR-37 (1800 NORTH)
280+00.00 LT 25.00 TO 288+00.00 LT 29.93

REMOVE BURIED ELECTRIC BY OTHERS
SR-37 (1800 NORTH)
282+98.18 LT 59.18 TO 284+05.27 LT 175.45
282+98.36 LT 58.16 TO 284+68.12 LT 159.63

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
280+00.01 LT 49.98 TO 288+00.00 LT 55.37
281+31.33 LT 53.43 TO 282+48.16 RT 58.34
282+12.08 LT 54.48 TO 282+50.04 RT 28.50
287+02.39 LT 56.64 TO 287+28.51 LT 99.19

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
281+28.09 LT 48.51
282+08.69 LT 51.01
283+93.32 LT 53.20
285+46.49 LT 53.55
286+98.08 LT 52.06

NOTES:
1. SEE UT-A SERIES FOR WATER INFORMATION
2. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
3. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.

PROJECT	I-15; 1800 NORTH INTERCHANGE		
PROJECT NUMBER	S-I15-8(157)336	PIN	15682
	UTILITY REMOVAL		

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED
PROFESSIONAL ENGINEER — 7/8/2024 DATE
DRAWN BY: LCJ
QC CHECKED BY: KNC

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

SHEET NO. UT-RMV-06

EXHIBIT E

REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+69.78 RT 29.96 TO 294+80.97 RT 30.04

REMOVE PIPE (DWCCC) REQ'D
SR-37 (1800 NORTH)
288+00.00 RT 8.50 TO 294+19.60 LT 5.50

REMOVE VALVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+69.91 RT 17.14

REMOVE FIRE HYDRANT (CLINTON) REQ'D
SR-37 (1800 NORTH)
290+06.10 RT 26.68
294+80.97 RT 30.04

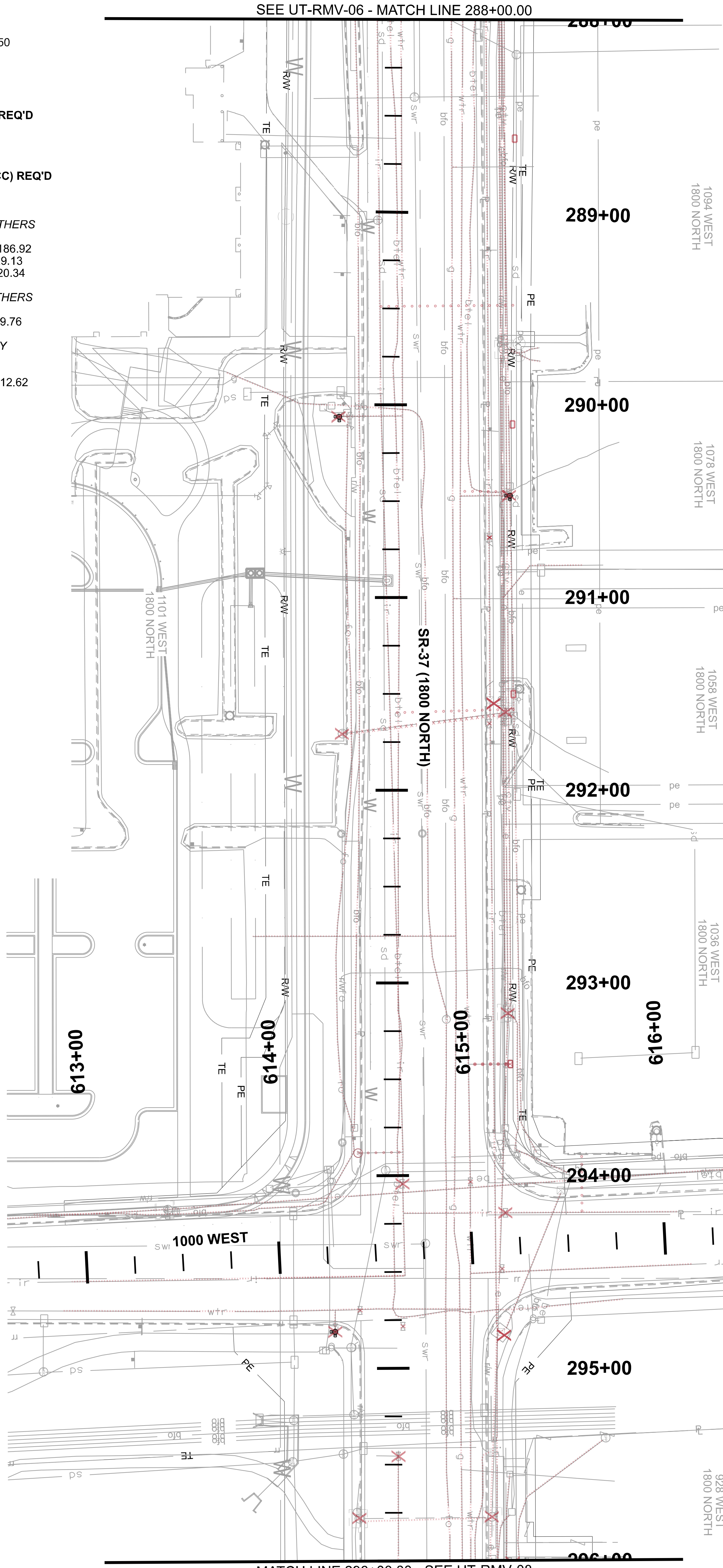
REMOVE AIR/VAC ASSEMBLY (DWCCC) REQ'D
SR-37 (1800 NORTH)
293+88.26 RT 17.93

REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
288+00.00 RT 19.99 TO 294+19.84 RT 186.92
289+82.96 RT 85.62 TO 296+00.00 LT 29.13
290+03.81 RT 23.23 TO 293+76.24 RT 20.34

REMOVE BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
288+00.00 RT 1.72 TO 294+64.24 LT 119.76

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
291+70.40 RT 25.89 TO 291+91.13 LT 112.62

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
291+67.30 RT 29.27
295+74.29 RT 21.33



REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
288+00.00 LT 35.81 TO 296+00.00 LT 39.99
294+46.38 LT 155.56 TO 294+50.93 LT 40.21
294+69.47 LT 40.19 TO 294+69.84 RT 171.69

REMOVE WATER METER (CLINTON) REQ'D
SR-37 (1800 NORTH)
288+61.07 LT 63.12
290+10.26 LT 63.09
291+50.31 LT 63.17
293+42.22 LT 61.17

REMOVE CONCRETE IRRIGATION STRUCTURE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
291+53.45 LT 51.13
294+81.31 LT 55.74

REMOVE PIPE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
288+00.00 LT 47.92 TO 296+00.00 LT 53.68
294+08.89 LT 87.32 TO 294+81.31 LT 55.74

REMOVE PIPE (DWCCC) REQ'D
SR-37 (1800 NORTH)
294+19.22 LT 147.98 TO 294+19.60 LT 5.52
294+19.60 LT 5.50 TO 294+52.10 LT 6.25
294+52.10 LT 6.25 TO 294+54.70 RT 166.58
295+42.77 LT 2.60 TO 296+00.00 LT 2.47

REMOVE VALVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+03.31 LT 40.25
294+48.46 LT 56.56
294+78.23 LT 5.07

REMOVE FIRE HYDRANT (CLINTON) REQ'D
SR-37 (1800 NORTH)
290+47.22 LT 61.70

REMOVE VALVE (DWCCC) REQ'D
SR-37 (1800 NORTH)
294+04.28 LT 4.78
294+19.45 LT 58.37
295+45.57 LT 2.53

REMOVE ASBESTOS CEMENT PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
288+00.00 LT 3.84 TO 290+39.66 LT 6.21
290+05.78 LT 6.24 TO 290+06.09 RT 26.70

REMOVE PRV VAULT (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+48.46 LT 56.56

REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
288+00.00 LT 56.03 TO 293+88.68 LT 74.98

REMOVE BURIED CABLE TV BY OTHERS
SR-37 (1800 NORTH)
295+54.87 LT 60.25 TO 296+00.00 LT 58.49
295+76.15 LT 60.34 TO 296+00.00 LT 54.05

REMOVE OVERHEAD FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
288+00.00 LT 54.44 TO 293+16.05 LT 58.70

REMOVE OVERHEAD CABLE TV BY OTHERS
SR-37 (1800 NORTH)
288+00.00 LT 57.28 TO 293+16.00 LT 61.48

REMOVE BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
288+00.00 LT 42.37 TO 290+45.42 LT 59.24
295+43.56 LT 50.37 TO 296+00.00 LT 42.32

REMOVE GAS IHP BY OTHERS
SR-37 (1800 NORTH)
288+00.00 LT 29.93 TO 296+00.00 LT 35.60
290+83.73 LT 71.96 TO 291+00.74 LT 57.74

REMOVE BURIED ELECTRIC BY OTHERS
SR-37 (1800 NORTH)
289+69.66 LT 61.42 TO 289+77.08 LT 77.56
289+70.13 LT 77.13 TO 289+70.23 LT 60.93
293+16.65 LT 60.89 TO 293+99.32 LT 90.20
295+37.34 LT 108.87 TO 296+00.00 LT 65.25

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
288+00.00 LT 55.37 TO 296+00.00 LT 50.25
293+95.34 LT 200.00 TO 294+21.87 LT 200.00
295+77.87 LT 51.25 TO 295+79.57 RT 17.55

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
291+56.22 LT 55.43
293+12.46 LT 56.27
295+73.70 LT 47.32

NOTES:
1. SEE UT-A SERIES FOR WATER INFORMATION.
2. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
3. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.

PROJECT	I-15; 1800 NORTH INTERCHANGE		UTAH DEPARTMENT OF TRANSPORTATION JUB ENGINEERS, INC.		
PROJECT NUMBER	S-I15-8(157)336	PIN 15682	APPROVED	DRAWN BY	LCJ
	UTILITY REMOVAL		PROFESSIONAL ENGINEER — 7/8/2024 DATE	QC CHECKED BY	KNC

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

SHEET NO. UT-RMV-07

EXHIBIT E

REGION 1 8-JUL-2024 13:57 aellefson DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 UT-RMV-08.dgn

REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
298+41.09 RT 104.00 TO 298+56.85 LT 33.45
298+44.36 RT 70.30 TO 298+57.70 RT 70.61

REMOVE PIPE (DWCCC) REQ'D
SR-37 (1800 NORTH)
298+24.00 RT 110.32 TO 298+34.17 RT 2.62
298+34.78 RT 2.65 TO 298+41.69 LT 124.82
298+34.78 RT 2.65 TO 304+00.00 RT 49.94

REMOVE FIRE HYDRANT (CLINTON) REQ'D
SR-37 (1800 NORTH)
298+57.70 RT 70.61

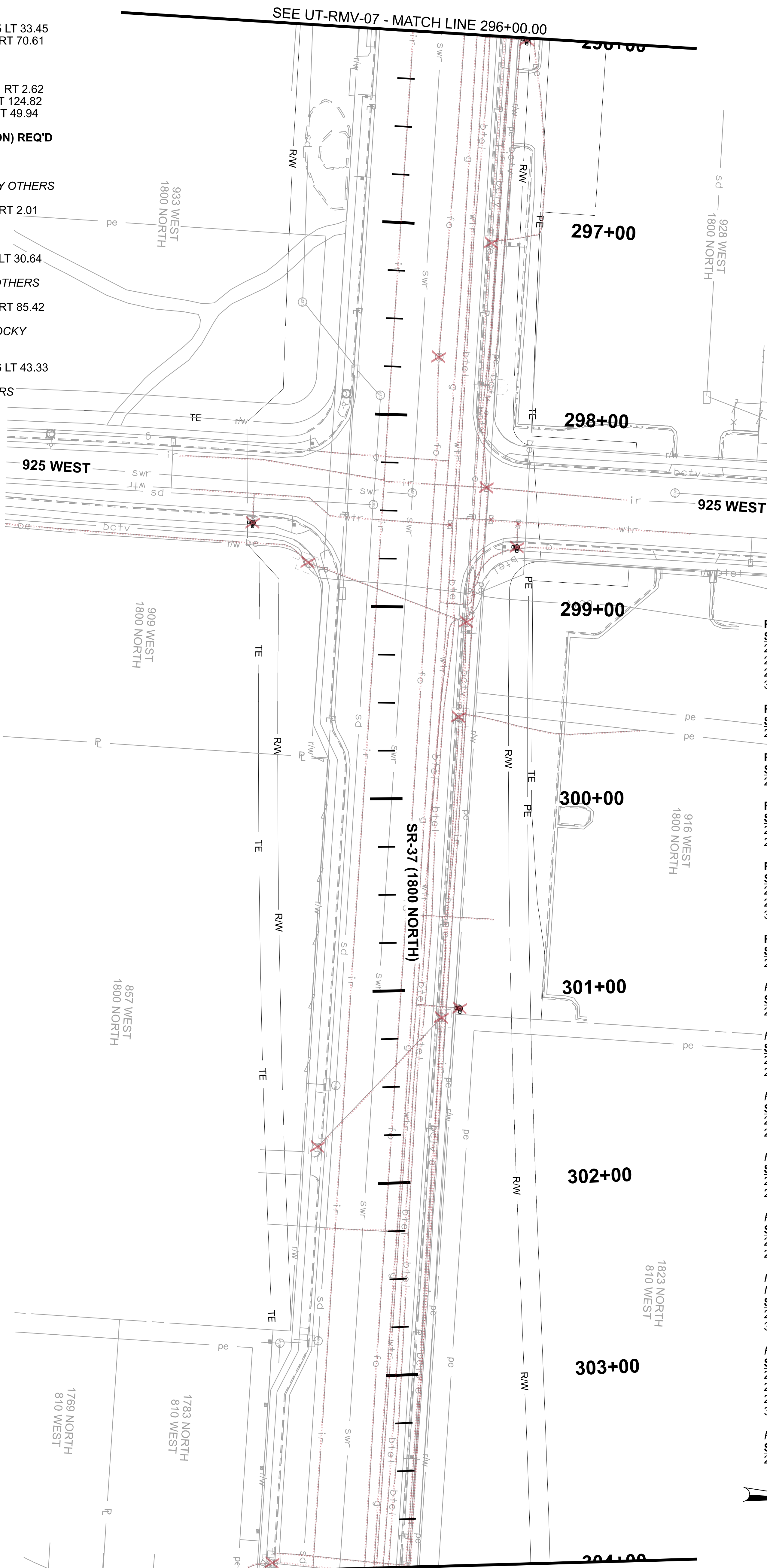
REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
303+90.91 RT 70.55 TO 303+98.77 RT 2.01

REMOVE GAS IHP BY OTHERS
SR-37 (1800 NORTH)
298+20.13 RT 36.75 TO 298+23.36 LT 30.64

REMOVE BURIED ELECTRIC BY OTHERS
SR-37 (1800 NORTH)
304+00.00 RT 38.45 TO 304+00.00 RT 85.42

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
298+60.57 RT 199.49 TO 299+08.86 LT 43.33

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
298+74.11 RT 44.90
301+76.00 RT 42.53
303+91.95 RT 74.29



REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
296+00.00 LT 39.99 TO 304+00.00 RT 16.86
298+53.15 LT 33.61 TO 298+58.87 LT 157.16
298+54.59 LT 67.45 TO 298+67.85 LT 67.01
301+07.16 LT 14.27 TO 301+09.81 LT 36.93

REMOVE PIPE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
296+00.00 LT 53.68 TO 304+00.00 RT .18

REMOVE PIPE (DWCCC) REQ'D
SR-37 (1800 NORTH)
296+00.00 LT 2.47 TO 298+34.78 RT 2.65

REMOVE VALVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
298+53.69 LT 53.25
298+56.75 LT 31.99

REMOVE FIRE HYDRANT (CLINTON) REQ'D
SR-37 (1800 NORTH)
296+00.99 LT 61.60
298+67.85 LT 67.04
301+09.81 LT 36.93

REMOVE VALVE (DWCCC) REQ'D
SR-37 (1800 NORTH)
298+36.75 LT 50.59

REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
296+00.00 LT 29.12 TO 304+00.00 RT 22.95

REMOVE BURIED CABLE TV BY OTHERS
SR-37 (1800 NORTH)
296+00.00 LT 54.05 TO 298+08.21 LT 47.89
296+00.00 LT 58.49 TO 304+00.00 RT 1.53

REMOVE BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
296+00.00 LT 42.29 TO 304+00.00 RT 10.54
299+08.02 LT 33.70 TO 304+00.00 RT 13.38

REMOVE GAS IHP BY OTHERS
SR-37 (1800 NORTH)
296+00.00 LT 35.60 TO 304+00.00 RT 18.17
298+69.51 LT 117.05 TO 298+97.52 LT 27.42

REMOVE BURIED ELECTRIC BY OTHERS
SR-37 (1800 NORTH)
296+00.00 LT 65.25 TO 297+08.12 LT 49.61
299+55.69 LT 39.10 TO 299+64.22 LT 132.04

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
296+00.00 LT 50.25 TO 304+00.00 LT .95
301+14.68 LT 27.38 TO 301+80.81 RT 39.43

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
297+04.97 LT 45.29
299+03.87 LT 37.93
299+53.63 LT 34.20
301+10.75 LT 23.84

REMOVE UTLITY MANHOLE BY OTHERS
SR-37 (1800 NORTH)
297+69.38 LT 23.90

NOTES:
1. SEE UT-A SERIES FOR WATER INFORMATION.
2. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
3. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.

PROJECT	I-15; 1800 NORTH INTERCHANGE			
PROJECT NUMBER	S-I15-8(157)336	PIN	15682	
	UTILITY REMOVAL			

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED
PROFESSIONAL ENGINEER
7/8/2024 DATE
DRAWN BY LCJ
QC CHECKED BY KNC

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

SHEET NO. UT-RMV-08

EXHIBIT E

REGION 1 8-JUL-2024 13:57 aellefson DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 UT-RMV-09.dgn

REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
304+00.00 RT 16.86 TO 312+00.00 RT 40.18
304+61.69 RT 110.53 TO 304+69.45 RT 23.07
304+62.50 RT 100.79 TO 304+77.78 RT 101.86
304+64.04 RT 22.63 TO 304+85.00 LT 210.95
309+31.60 RT 35.90 TO 309+33.02 LT 119.49
309+31.96 RT 1.23 TO 309+51.01 RT 1.65
309+46.71 RT 36.10 TO 309+48.12 RT 158.75
311+80.98 RT 38.22 TO 311+81.02 RT 85.89

REMOVE WATER METER (CLINTON) REQ'D
SR-37 (1800 NORTH)
306+33.61 RT 17.83
307+03.26 RT 21.92
307+63.91 RT 16.83
309+02.58 RT 152.53
311+79.33 RT 85.73
311+81.02 RT 85.89

REMOVE PIPE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
304+00.00 RT .18 TO 312+00.00 RT 27.54

REMOVE PIPE (DWCCC) REQ'D
SR-37 (1800 NORTH)
304+00.00 RT 49.94 TO 304+43.31 RT 54.18
304+38.81 RT 129.90 TO 304+43.31 RT 54.18
304+43.31 RT 54.18 TO 304+52.43 RT 54.96
304+50.04 RT 54.76 TO 304+65.63 LT 198.10
308+97.94 RT 76.57 TO 309+27.66 RT 76.93
309+14.15 RT 76.79 TO 309+14.33 LT 111.42
309+17.49 RT 101.19 TO 309+17.74 RT 76.91

REMOVE VALVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
304+63.53 RT 86.38
304+65.75 RT .62
307+94.11 RT 40.93
309+31.38 RT 35.35
309+32.11 RT 1.71
309+46.80 RT 38.75
309+46.83 RT 104.53

REMOVE FIRE HYDRANT (CLINTON) REQ'D
SR-37 (1800 NORTH)
304+77.77 RT 101.85
309+51.60 RT 1.62

REMOVE VALVE (DWCCC) REQ'D
SR-37 (1800 NORTH)
304+22.15 RT 52.46
304+41.09 RT 83.67
304+53.79 RT .19
309+13.56 RT 19.51

REMOVE TELEPHONE PEDESTAL BY OTHERS
SR-37 (1800 NORTH)
305+69.39 RT 94.66
306+13.93 RT 18.71
311+51.66 RT 28.38

REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
304+00.00 RT 1.53 TO 309+01.33 LT 180.24
304+00.00 RT 22.95 TO 312+00.00 RT 51.45
304+15.57 RT 38.31 TO 304+16.30 RT 24.24
305+22.16 RT 34.37 TO 312+00.00 RT 53.82

REMOVE BURIED CABLE TV BY OTHERS
SR-37 (1800 NORTH)
304+00.00 RT 1.53 TO 311+58.55 RT 28.22
311+57.23 RT 85.40 TO 312+00.00 RT 24.75

REMOVE OVERHEAD CABLE TV BY OTHERS
SR-37 (1800 NORTH)
306+65.07 RT 141.18 TO 306+85.92 RT 92.91
306+69.71 RT 20.94 TO 306+85.92 RT 92.91
306+85.92 RT 92.91 TO 307+17.71 RT 127.40

REMOVE BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
304+00.00 RT 10.54 TO 312+00.00 RT 35.06
304+00.00 RT 13.38 TO 311+52.23 RT 28.16
305+18.94 RT 33.13 TO 305+72.83 RT 96.77
306+14.05 RT 19.18 TO 311+50.82 RT 28.31
311+42.44 RT 37.42 TO 312+00.00 RT 35.73
311+51.12 RT 28.27 TO 312+00.00 RT 38.36
311+51.71 RT 28.15 TO 312+00.00 RT 36.34

REMOVE GAS IHP BY OTHERS
SR-37 (1800 NORTH)
304+00.00 RT 18.17 TO 312+00.00 RT 44.37
309+53.93 RT 68.05 TO 309+54.22 RT 44.31

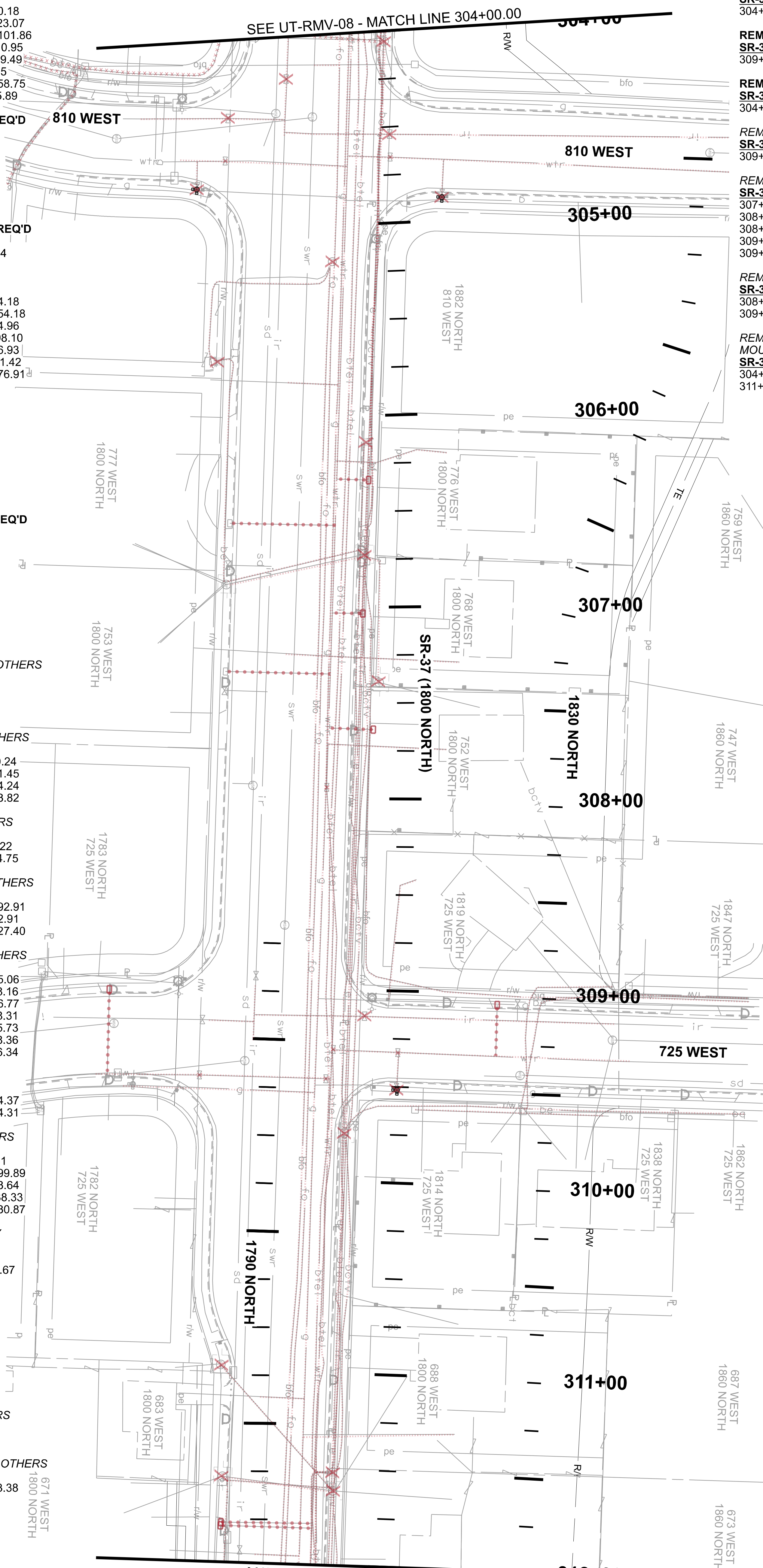
REMOVE BURIED ELECTRIC BY OTHERS
SR-37 (1800 NORTH)
304+00.00 RT 38.45 TO 304+05.47 RT .51
304+00.00 RT 85.42 TO 304+70.31 RT 199.89
305+68.76 RT 96.70 TO 306+86.20 RT 93.64
306+67.70 RT 138.65 TO 307+53.35 LT 38.33
306+86.10 RT 93.38 TO 307+18.56 RT 130.87

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
310+99.67 RT 112.15 TO 311+01.67 LT 8.67

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
304+01.68 RT 3.83
306+69.09 RT 24.16
307+35.16 RT 17.52
309+71.54 RT 31.84
310+94.08 RT 91.68
311+51.84 RT 89.90
311+57.69 RT 31.48

REMOVE UTILITY MANHOLE BY OTHERS
SR-37 (1800 NORTH)
305+19.03 RT 32.97

REMOVE OVERHEAD TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
311+55.39 RT 82.76 TO 312+00.00 RT 83.38



REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
304+68.29 LT 27.17 TO 304+87.83 LT 25.29

REMOVE WATER METER (CLINTON) REQ'D
SR-37 (1800 NORTH)
309+06.11 LT 49.29

REMOVE FIRE HYDRANT (CLINTON) REQ'D
SR-37 (1800 NORTH)
304+87.83 LT 25.29

REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
309+61.56 LT 106.70 TO 309+61.57 LT 8.15

REMOVE BURIED CABLE TV BY OTHERS
SR-37 (1800 NORTH)
307+80.72 LT 59.83 TO 308+98.24 LT 110.91
308+62.76 LT 71.53 TO 308+98.23 LT 110.90
308+99.86 LT 180.06 TO 309+57.29 LT 63.06
309+57.17 LT 62.69 TO 309+77.20 LT 48.18
309+57.17 LT 62.69 TO 309+84.83 LT 87.65

REMOVE BURIED ELECTRIC BY OTHERS
SR-37 (1800 NORTH)
308+95.42 LT 109.69 TO 309+59.92 LT 64.94
309+58.37 LT 179.96 TO 309+73.32 RT 27.82

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
304+00.00 LT .95 TO 311+99.99 RT 29.12
311+63.53 LT 35.96 TO 311+77.29 RT 136.03

NOTES:
1. SEE UT-A SERIES FOR WATER INFORMATION.
2. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
3. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.

PROJECT	I-15; 1800 NORTH INTERCHANGE		
PROJECT NUMBER	S-I15-8(157)336	PIN	15682
	UTILITY REMOVAL		

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED
PROFESSIONAL ENGINEER — 7/8/2024 DATE

DRAWN BY LCJ
QC CHECKED BY KNC

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

SHEET NO. UT-RMV-09

EXHIBIT E

REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
312+00.00 RT 38.39 TO 315+77.74 RT 40.93
314+36.15 RT 20.59 TO 314+36.21 RT 40.51
315+77.78 RT 42.72 TO 320+00.00 RT 25.79
316+91.63 RT 68.71 TO 320+00.00 RT 57.04
317+15.04 RT 37.34 TO 317+16.49 RT 67.81
318+96.37 RT 201.36 TO 318+99.54 LT 176.81
319+35.17 RT 60.45 TO 319+37.04 RT 95.18

REMOVE WATER METER (CLINTON) REQ'D
SR-37 (1800 NORTH)
313+33.58 RT 91.43
314+15.30 RT 88.38
314+71.61 RT 20.51
314+79.46 RT 88.03
315+61.27 RT 88.18
316+35.81 RT 86.67
317+11.68 RT 84.44
318+60.03 RT 130.33

REMOVE CONCRETE IRRIGATION STRUCTURE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
318+00.67 RT 19.40

REMOVE PIPE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
312+00.00 RT 27.54 TO 320+00.00 RT 2.80

REMOVE PIPE (DWCCC) REQ'D
SR-37 (1800 NORTH)
315+56.46 RT 76.56 TO 315+76.77 RT 76.16
318+61.27 RT 64.00 TO 318+77.85 RT 63.16

REMOVE VALVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
312+71.67 RT 97.65
315+77.71 RT 30.36
317+13.71 RT 67.92
318+49.94 RT 29.12
318+90.06 RT 83.87
318+90.61 RT 58.46
319+11.92 RT 28.41

REMOVE FIRE HYDRANT (CLINTON) REQ'D
SR-37 (1800 NORTH)
314+36.15 RT 20.95

REMOVE AIR/VAC ASSEMBLY (DWCCC) REQ'D
SR-37 (1800 NORTH)
319+03.07 RT 85.40

REMOVE VALVE (DWCCC) REQ'D
SR-37 (1800 NORTH)
315+65.09 RT 18.46
318+77.39 RT 6.11
318+78.60 RT 85.26

REMOVE ASBESTOS CEMENT PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
312+71.13 RT 146.54 TO 312+72.33 RT 72.26
312+72.33 RT 72.26 TO 316+91.63 RT 68.71

REMOVE SEWER MANHOLE (NDSD) REQ'D
SR-37 (1800 NORTH)
315+96.09 RT 60.83
318+38.06 RT 51.54

REMOVE SEWER PIPE (NDSD) REQ'D
SR-37 (1800 NORTH)
315+97.14 RT 60.84 TO 318+36.99 RT 51.49
318+38.94 RT 50.83 TO 320+00.00 RT 43.68

REMOVE MANHOLE (CLINTON) REQ'D
SR-37 (1800 NORTH)
319+28.99 RT 28.10
319+84.29 RT 25.70
319+93.67 RT 57.41

REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
312+00.00 RT 51.45 TO 320+00.00 RT 30.85
312+00.00 RT 53.82 TO 312+36.31 RT 53.52
318+99.84 RT 34.32 TO 319+13.42 LT 20.90
319+00.03 RT 35.25 TO 320+00.00 RT 3.78
321+93.93 RT 24.51 TO 328+00.00 LT 11.02

REMOVE OVERHEAD CABLE TV BY OTHERS
SR-37 (1800 NORTH)
312+00.00 RT 24.75 TO 320+00.00 RT 9.34
317+59.03 RT 22.37 TO 317+65.68 RT 118.18

REMOVE BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
312+00.00 RT 35.06 TO 320+00.00 RT 18.36
312+00.00 RT 35.73 TO 320+00.00 RT 16.60
312+00.00 RT 36.34 TO 320+00.00 RT 17.94
312+00.00 RT 38.36 TO 320+00.00 RT 15.50

REMOVE GAS IHP BY OTHERS
SR-37 (1800 NORTH)
312+00.00 RT 44.37 TO 320+00.00 RT 24.67
318+56.64 RT 33.86 TO 318+58.58 RT 81.79
318+57.46 RT 33.79 TO 318+62.95 LT 109.66

REMOVE BURIED ELECTRIC BY OTHERS
SR-37 (1800 NORTH)
315+19.90 RT 30.56 TO 315+36.01 LT 168.53
319+22.10 RT 102.06 TO 319+69.37 RT 11.54

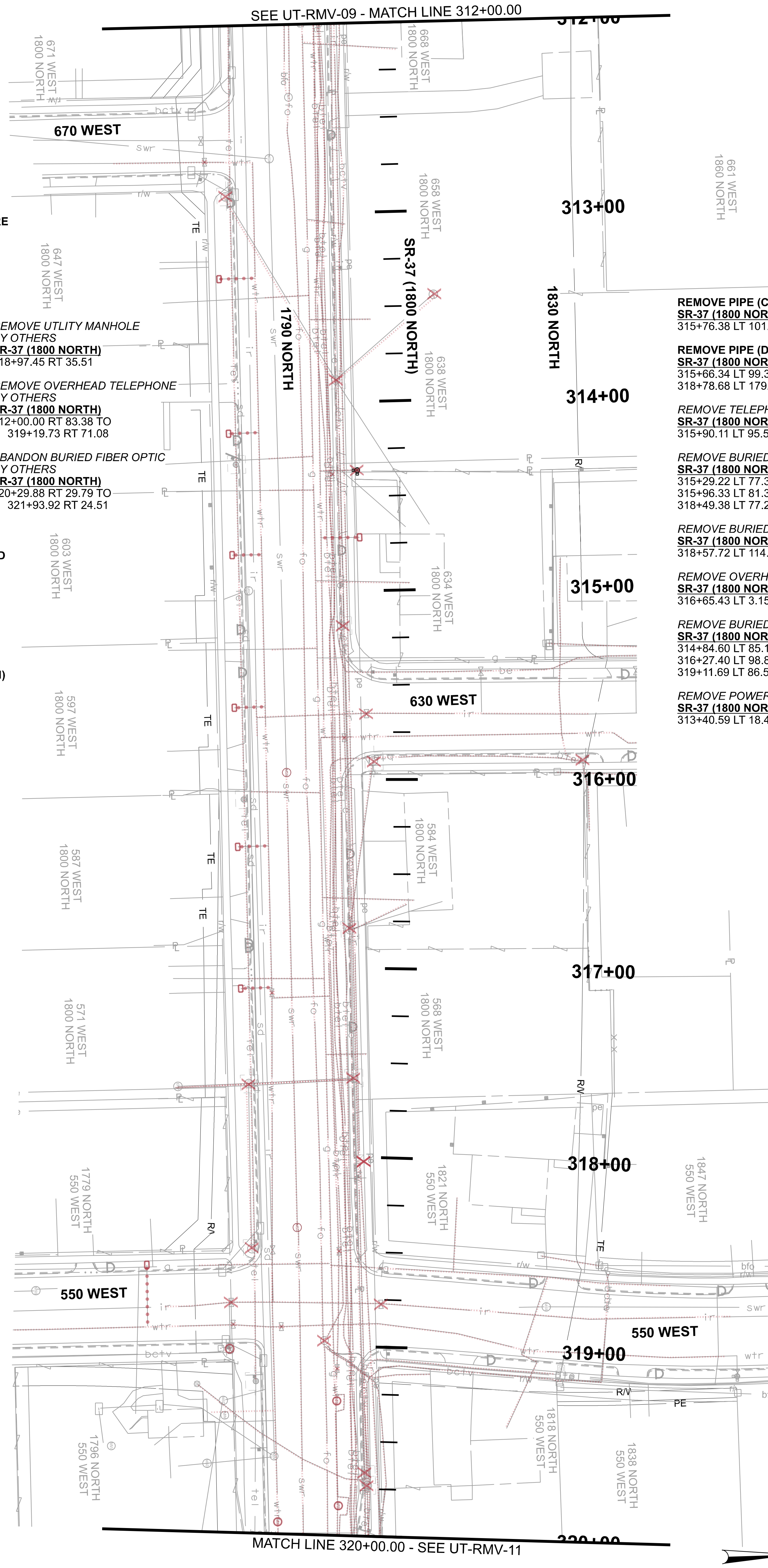
REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
312+00.00 RT 29.12 TO 320+00.00 RT 11.05
312+90.74 RT 87.69 TO 313+44.31 LT 23.77
313+88.56 RT 31.36 TO 314+67.32 LT 16.68
315+91.70 RT 15.55 TO 316+63.95 LT 21.21
317+58.91 RT 24.44 TO 317+65.78 RT 117.26
317+62.66 RT 80.30 TO 318+50.84 RT 75.17

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
312+86.65 RT 90.64
313+84.84 RT 34.65
315+14.89 RT 34.01
315+87.07 RT 18.36
316+75.47 RT 31.10
317+54.92 RT 27.86
317+59.61 RT 83.06
318+46.23 RT 78.99
319+63.23 RT 16.18
319+70.06 RT 14.86

REMOVE UTLITY MANHOLE BY OTHERS
SR-37 (1800 NORTH)
318+97.45 RT 35.51

REMOVE OVERHEAD TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
312+00.00 RT 83.38 TO 319+19.73 RT 71.08

ABANDON BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
320+29.88 RT 29.79 TO 321+93.92 RT 24.51



REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
315+76.38 LT 101.75 TO 315+77.78 RT 42.76

REMOVE PIPE (DWCCC) REQ'D
SR-37 (1800 NORTH)
315+66.34 LT 99.36 TO 315+66.62 RT 76.37
318+78.68 LT 179.10 TO 318+81.98 RT 120.22

REMOVE TELEPHONE PEDESTAL BY OTHERS
SR-37 (1800 NORTH)
315+90.11 LT 95.51

REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
315+29.22 LT 77.32 TO 315+33.32 LT 159.55
315+96.33 LT 81.31 TO 315+99.53 LT 166.36
318+49.38 LT 77.22 TO 318+53.59 LT 108.08

REMOVE BURIED CABLE TV BY OTHERS
SR-37 (1800 NORTH)
318+57.72 LT 114.03 TO 319+73.07 RT 10.20

REMOVE OVERHEAD CABLE TV BY OTHERS
SR-37 (1800 NORTH)
316+65.43 LT 3.15 TO 316+79.72 RT 25.62

REMOVE BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
314+84.60 LT 85.16 TO 315+90.01 LT 95.16
316+27.40 LT 98.86 TO 318+97.28 RT 35.44
319+11.69 LT 86.59 TO 320+00.00 RT 9.39

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
313+40.59 LT 18.43

NOTES:
1. SEE UT-A SERIES FOR WATER INFORMATION.
2. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
3. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.

PROJECT	I-15; 1800 NORTH INTERCHANGE	UTAH DEPARTMENT OF TRANSPORTATION		
		JUB ENGINEERS, INC.		
PROJECT NUMBER	S-I15-8(157)336	PIN 15682	APPROVED	DRAWN BY LCJ
	UTILITY REMOVAL	PROFESSIONAL ENGINEER	7/8/2024 DATE	QC CHECKED BY KNC

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

SHEET NO. UT-RMV-10

EXHIBIT E

REGION 1 8-JUL-2024 13:58 aellefson DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 UT-RMV-11.dgn

REMOVE FIRE HYDRANT (SUNSET) REQ'D
SR-37 (1800 NORTH)
322+73.40 RT .20

REMOVE PIPE (SUNSET) REQ'D
SR-37 (1800 NORTH)
322+36.79 RT 53.90 TO 322+43.26 RT 146.40
322+36.79 RT 53.90 TO 328+00.00 RT 22.22
325+65.23 RT 35.44 TO 325+69.41 RT 127.37

REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
320+00.00 RT 25.79 TO 320+29.29 RT 25.24
320+00.00 RT 57.04 TO 320+31.87 RT 55.64
321+93.69 RT 20.81 TO 328+00.00 LT 13.92
321+95.71 RT 48.10 TO 328+00.00 RT 16.08
322+73.40 RT .20 TO 322+75.99 RT 52.06

REMOVE CONCRETE IRRIGATION STRUCTURE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
322+01.31 RT 7.66
322+50.32 RT 66.32

REMOVE PIPE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
320+00.00 RT 2.80 TO 320+27.35 LT 2.88
321+92.16 RT 7.04 TO 328+00.00 RT 37.39

REMOVE SEWER MANHOLE (NDSD) REQ'D
SR-37 (1800 NORTH)
321+88.92 RT 15.41
322+04.61 RT 34.74
325+47.99 RT 19.07

REMOVE SEWER PIPE (NDSD) REQ'D
SR-37 (1800 NORTH)
321+88.92 RT 16.99 TO 328+00.00 LT 16.62
322+04.61 RT 34.74 TO 322+16.49 RT 150.59
325+48.25 RT 20.23 TO 325+51.21 RT 78.47

REMOVE MANHOLE (CLINTON) REQ'D
SR-37 (1800 NORTH)
322+03.28 RT 20.28
322+63.14 RT 48.02

ABANDON PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
320+29.29 RT 25.24 TO 321+93.65 RT 20.81
320+31.87 RT 55.64 TO 321+95.68 RT 48.10

REMOVE WATER METER (SUNSET) REQ'D
SR-37 (1800 NORTH)
322+54.65 RT 108.88
325+43.64 RT 96.40
326+41.88 RT 42.52

REMOVE VALVE (SUNSET) REQ'D
SR-37 (1800 NORTH)
322+54.84 RT 108.97
322+55.72 RT 51.25
325+65.78 RT 54.94

ABANDON PIPE (NDSD) REQ'D
SR-37 (1800 NORTH)
320+00.00 RT 43.68 TO 322+03.54 RT 34.63
322+05.65 RT 34.75 TO 325+47.17 RT 18.18
325+48.92 RT 18.16 TO 328+00.00 RT 4.68

REMOVE TELEPHONE PEDESTAL BY OTHERS
SR-37 (1800 NORTH)
320+12.10 RT 6.76
320+17.52 RT 5.98
320+18.51 RT 11.65
320+24.18 RT 11.86
320+33.23 RT 71.05

REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
320+00.00 RT 3.78 TO 320+10.61 RT 5.55
320+00.00 RT 30.85 TO 320+29.48 RT 29.80

REMOVE OVERHEAD CABLE TV BY OTHERS
SR-37 (1800 NORTH)
320+00.00 RT 9.34 TO 320+36.28 RT 7.35
326+41.16 RT 102.71 TO 327+04.65 RT 80.00
327+04.75 RT 80.01 TO 327+62.96 RT 84.78
327+05.32 RT 90.67 TO 327+65.60 LT 25.47

REMOVE BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
320+00.00 RT 15.50 TO 320+17.86 RT 12.51
320+00.00 RT 16.60 TO 320+19.41 RT 10.89
320+00.00 RT 17.94 TO 320+21.68 RT 12.06
320+00.00 RT 18.36 TO 320+22.89 RT 10.58
320+00.00 RT 9.39 TO 320+17.91 RT 12.05
320+18.78 RT 12.76 TO 321+79.09 RT 4.67
320+22.48 RT 12.00 TO 320+32.96 RT 69.84

REMOVE GAS IHP BY OTHERS
SR-37 (1800 NORTH)
320+00.00 RT 24.67 TO 328+00.00 LT 21.97
321+93.48 RT 18.77 TO 328+00.00 LT 21.97
322+46.11 RT 18.68 TO 322+51.89 RT 95.65

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
320+00.00 RT 11.05 TO 328+00.00 LT 27.43
320+37.68 RT 97.35 TO 320+44.27 LT 32.47
321+80.98 RT 96.56 TO 322+25.35 LT 70.65
322+59.51 RT 63.24 TO 325+23.26 RT 49.35
326+40.48 RT 101.79 TO 327+65.12 RT 84.09
327+05.19 RT 163.99 TO 328+00.00 RT 33.84

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
320+33.15 RT 12.61
320+34.18 RT 100.29
321+76.27 RT 100.60
322+14.26 RT 7.32
322+55.98 RT 67.13
323+35.27 RT .27
323+94.25 RT 60.12
323+95.96 RT 94.85
325+17.30 RT 53.60
326+99.55 RT 42.96
327+01.63 RT 83.15

REMOVE UTLITY MANHOLE BY OTHERS
SR-37 (1800 NORTH)
322+85.00 RT 18.93

REMOVE OVERHEAD TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
323+29.29 RT 87.85 TO 323+95.25 RT 56.24
323+95.95 RT 57.16 TO 323+98.29 RT 89.38
323+97.03 RT 55.32 TO 328+00.00 RT 34.31
323+98.96 RT 57.76 TO 324+59.49 RT 97.01

ABANDON GAS IHP BY OTHERS
SR-37 (1800 NORTH)
320+29.10 RT 21.55 TO 321+93.48 RT 18.77

ABANDON BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
320+29.69 RT 28.69 TO 321+79.09 RT 4.67

REMOVE CONCRETE IRRIGATION STRUCTURE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
320+24.86 LT 2.88

REMOVE PIPE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
320+23.84 LT 18.64 TO 320+24.86 LT 2.88

REMOVE SEWER MANHOLE (NDSD) REQ'D
SR-37 (1800 NORTH)
325+56.71 LT 3.76

ABANDON PIPE (CLINTON CANAL CO REQ'D
SR-37 (1800 NORTH)
320+27.35 LT 2.88 TO 321+92.16 RT 7.04

REMOVE WATER METER (SUNSET) REQ'D
SR-37 (1800 NORTH)
322+69.88 LT 4.55
325+08.66 LT 13.95
327+02.77 LT 26.13

REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
323+36.39 LT 8.59 TO 323+37.52 LT 64.50

REMOVE OVERHEAD CABLE TV BY OTHERS
SR-37 (1800 NORTH)
323+38.98 LT 3.12 TO 328+00.00 LT 27.33
324+44.85 LT 72.93 TO 325+78.21 LT 16.86
325+55.60 LT 66.68 TO 325+78.10 LT 16.50
325+77.99 LT 16.74 TO 326+53.90 LT 86.03

REMOVE BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
322+26.39 LT 70.22 TO 323+97.03 RT 55.32
324+24.14 LT 71.50 TO 325+20.41 RT 48.70

REMOVE GAS IHP BY OTHERS
SR-37 (1800 NORTH)
325+41.31 LT 6.28 TO 325+45.83 RT 109.45

REMOVE BURIED ELECTRIC BY OTHERS
SR-37 (1800 NORTH)
327+67.76 LT 26.76 TO 327+87.58 LT 144.55

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
323+97.71 LT 5.17 TO 324+28.85 LT 8.91
323+97.91 LT 6.61 TO 324+00.81 RT 179.81
324+08.57 LT 86.23 TO 324+20.31 LT 73.71
324+46.36 LT 73.37 TO 326+59.37 LT 93.38
325+56.09 LT 68.67 TO 325+79.09 LT 17.81

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
320+40.71 LT 28.76
323+94.19 LT 2.02
324+12.49 LT 40.33
325+74.67 LT 13.02
327+62.93 LT 21.74

REMOVE UTILITY MANHOLE BY OTHERS
SR-37 (1800 NORTH)
327+59.09 LT 8.51

NOTES:
1. SEE UT-A SERIES FOR WATER INFORMATION
2. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
3. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.
6 FILL ABANDONED PIPE WITH CLSM WITHIN RAILROAD RIGHT-OF-WAY. SEE TABLE.
7 ABANDON EXISTING UTILITY WITHIN RAILROAD RIGHT-OF-WAY AS SHOWN.

FILL ABANDON PIPE WITH CLSM (03576S) WITHIN RR R/W

NO.	UTILITY/OWNER	FROM STATION	OFFSET	TO STATION	OFFSET
6A	WTR (CLINTON)	320+29.29	RT 25.24	321+81.63	RT 20.58
6B	WTR (CLINTON)	320+31.87	RT 55.64	321+84.28	RT 48.72
6C	IRR (CLINTON CANAL CO)	320+27.35	LT 2.88	321+80.13	RT 6.29
6D	SWR (NDSD)	320+30.79	RT 42.31	321.82.99	RT 35.35

PROJECT	I-15; 1800 NORTH INTERCHANGE		
PROJECT NUMBER	S-I15-8(157)336	PIN	15682
	UTILITY REMOVAL		

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED
PROFESSIONAL ENGINEER
7/8/2024
DATE
DRAWN BY LCJ
QC CHECKED BY KNC

REVISIONS
NO. | DATE | APPROVED BY | REMARKS

SHEET NO. UT-RMV-11

EXHIBIT E

SEE UT-RMV-11 - MATCH LINE 328+00.00

REMOVE FIRE HYDRANT (SUNSET) REQ'D
SR-37 (1800 NORTH)
328+73.28 RT 30.76

REMOVE PIPE (SUNSET) REQ'D
SR-37 (1800 NORTH)
328+00.00 RT 22.22 TO 336+00.00 LT 21.54
328+51.66 RT 19.52 TO 328+56.61 RT 115.99
328+72.24 RT 18.40 TO 328+73.28 RT 30.76
331+23.27 RT 5.05 TO 331+28.99 RT 113.16

REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
328+00.00 RT 16.08 TO 336+00.00 LT 25.51

REMOVE PIPE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
328+00.00 RT 37.39 TO 336+00.00 LT 4.73

REMOVE SEWER MANHOLE (NDSD) REQ'D
SR-37 (1800 NORTH)
328+29.95 RT 3.22

REMOVE SEWER PIPE (NDSD) REQ'D
SR-37 (1800 NORTH)
328+30.00 RT 4.27 TO 328+33.32 RT 66.22

REMOVE WATER METER (SUNSET) REQ'D
SR-37 (1800 NORTH)
328+28.79 RT 81.48
328+68.86 RT 59.35
331+11.70 RT 75.38
331+58.65 RT 70.75
332+82.75 RT 8.77

REMOVE VALVE (SUNSET) REQ'D
SR-37 (1800 NORTH)
328+52.17 RT 27.86
331+22.14 RT 5.33
331+23.36 RT 6.59
331+24.58 RT 5.16
334+16.93 RT 11.05

ABANDON PIPE (NDSD) REQ'D
SR-37 (1800 NORTH)
328+00.00 RT 4.68 TO 328+28.86 RT 3.13
328+30.97 RT 3.05 TO 331+23.31 LT 11.46

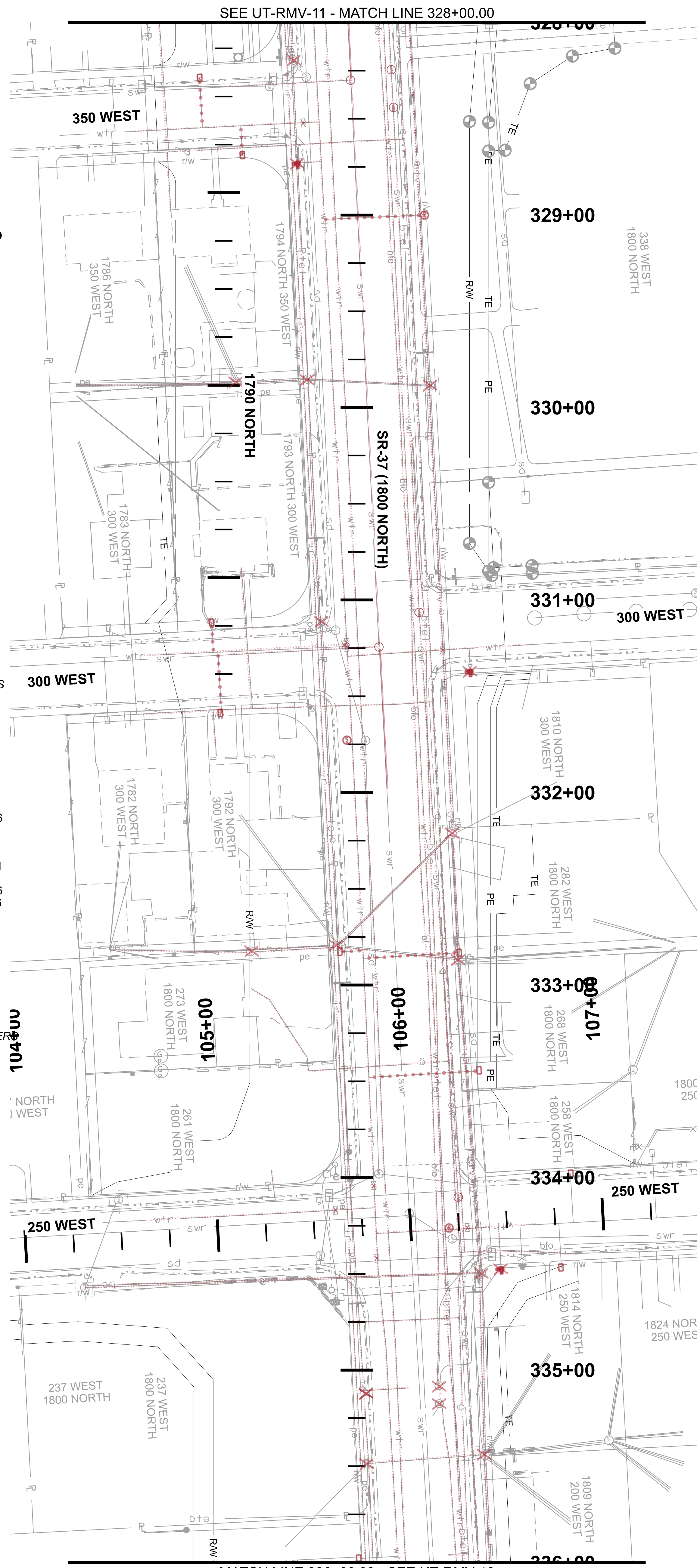
REMOVE MANHOLE (SUNSET) REQ'D
SR-37 (1800 NORTH)
331+72.84 RT 5.08

REMOVE OVERHEAD CABLE TV BY OTHERS
SR-37 (1800 NORTH)
329+87.79 RT 64.60 TO 329+88.65 RT 145.85
329+93.97 RT 145.61 TO 330+53.99 RT 71.36
332+10.94 RT 60.41 TO 332+77.65 RT 10.34
332+81.76 RT 128.37 TO 332+86.84 LT 52.55

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
328+00.00 RT 33.84 TO 328+21.28 RT 32.83
329+25.25 RT 130.99 TO 329+82.05 RT 146.16
329+28.39 RT 90.18 TO 329+89.45 RT 154.06
329+87.27 RT 62.29 TO 329+88.13 LT 39.30
329+93.75 RT 145.39 TO 330+53.68 RT 71.06
330+17.64 RT 144.04 TO 330+55.99 RT 131.01
331+11.86 RT 18.95 TO 332+11.44 RT 61.48
332+24.98 RT 122.29 TO 332+86.19 RT 103.26
332+41.69 RT 117.49 TO 332+81.64 RT 128.36

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
328+16.35 RT 36.45
329+82.41 RT 29.56
329+83.61 RT 66.57
331+08.03 RT 22.01
332+76.03 RT 14.38
332+79.15 RT 58.29

REMOVE OVERHEAD TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
328+00.00 RT 34.31 TO 336+00.00 LT 8.50
329+26.73 RT 88.82 TO 329+84.75 RT 62.82



REMOVE FIRE HYDRANT (SUNSET) REQ'D
SR-37 (1800 NORTH)
331+37.13 LT 58.99
334+47.52 LT 75.02

REMOVE PIPE (SUNSET) REQ'D
SR-37 (1800 NORTH)
331+23.12 LT 92.35 TO 331+29.25 RT 4.63
331+25.13 LT 58.33 TO 331+37.13 LT 58.99
334+15.68 LT 9.46 TO 334+22.11 RT 107.73
334+24.29 LT 93.57 TO 334+29.03 LT 10.44
334+25.45 LT 73.63 TO 334+47.52 LT 75.02

REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
328+00.00 LT 13.92 TO 336+00.00 LT 54.96

REMOVE CONCRETE IRRIGATION STRUCTURE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
335+10.64 LT 2.97

REMOVE PIPE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
335+09.32 LT 27.44 TO 335+10.64 LT 2.97

REMOVE SEWER MANHOLE (NDSD) REQ'D
SR-37 (1800 NORTH)
328+24.55 LT 17.92
328+44.09 LT 19.08
331+06.41 LT 32.42
331+24.38 LT 11.53
334+10.20 LT 52.71

REMOVE SEWER PIPE (NDSD) REQ'D
SR-37 (1800 NORTH)
328+00.00 LT 16.62 TO 336+00.00 LT 63.30
331+24.31 LT 10.48 TO 331+28.53 RT 67.53

REMOVE WATER METER (SUNSET) REQ'D
SR-37 (1800 NORTH)
332+83.24 LT 53.22
333+44.30 LT 63.46
333+97.96 LT 111.12
334+46.72 LT 106.00
335+97.90 LT 1.05

REMOVE VALVE (SUNSET) REQ'D
SR-37 (1800 NORTH)
331+25.90 LT 44.45
334+04.21 LT 8.77
334+26.00 LT 57.36
334+41.88 LT 10.35

ABANDON PIPE (NDSD) REQ'D
SR-37 (1800 NORTH)
331+25.35 LT 11.74 TO 331+98.15 LT 15.61

REMOVE AIR/VAC VAULT (CLINTON) REQ'D
SR-37 (1800 NORTH)
334+26.21 LT 47.90

REMOVE MANHOLE (SUNSET) REQ'D
SR-37 (1800 NORTH)
329+00.05 LT 35.14

REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
328+00.00 LT 11.02 TO 336+00.00 LT 51.81

REMOVE OVERHEAD CABLE TV BY OTHERS
SR-37 (1800 NORTH)
328+00.00 LT 27.33 TO 336+00.00 LT 68.96
332+21.34 LT 49.58 TO 332+78.84 RT 8.29
334+49.36 LT 63.75 TO 334+56.32 RT 140.52
334+92.10 LT 100.77 TO 335+42.97 LT 68.35
335+36.12 LT 128.74 TO 335+43.64 LT 68.67
335+45.13 LT 68.59 TO 335+79.96 LT 114.49

REMOVE BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
330+15.50 LT 37.12 TO 336+00.00 LT 56.02

REMOVE GAS IHP BY OTHERS
SR-37 (1800 NORTH)
328+00.00 LT 21.97 TO 334+39.36 LT 115.66
328+60.63 LT 24.73 TO 328+67.26 RT 97.52
331+52.81 LT 39.64 TO 331+59.69 RT 114.26
332+64.49 LT 43.89 TO 336+00.00 LT 58.27

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
328+00.00 LT 27.43 TO 336+00.00 LT 69.79
332+21.37 LT 49.59 TO 332+81.77 RT 58.91
334+49.47 LT 65.37 TO 334+57.58 RT 141.87
335+43.61 LT 67.04 TO 335+93.48 RT 38.09

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
329+85.20 LT 34.31
332+17.83 LT 45.69
332+83.69 LT 48.86
334+46.57 LT 60.98
335+40.61 LT 62.41
335+45.46 LT 1.40

REMOVE UTLITY MANHOLE BY OTHERS
SR-37 (1800 NORTH)
335+08.52 LT 42.96
335+17.61 LT 42.98

MATCH LINE 336+00.00 - SEE UT-RMV-13

NOTES:
1. SEE UT-A SERIES FOR WATER INFORMATION
2. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
3. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.

PROJECT	I-15; 1800 NORTH INTERCHANGE		
PROJECT NUMBER	S-I15-8(157)336	PIN	15682
	UTILITY REMOVAL		

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED

PROFESSIONAL ENGINEER — 7/8/2024 DATE

DRAWN BY LCJ
QC CHECKED BY KNC

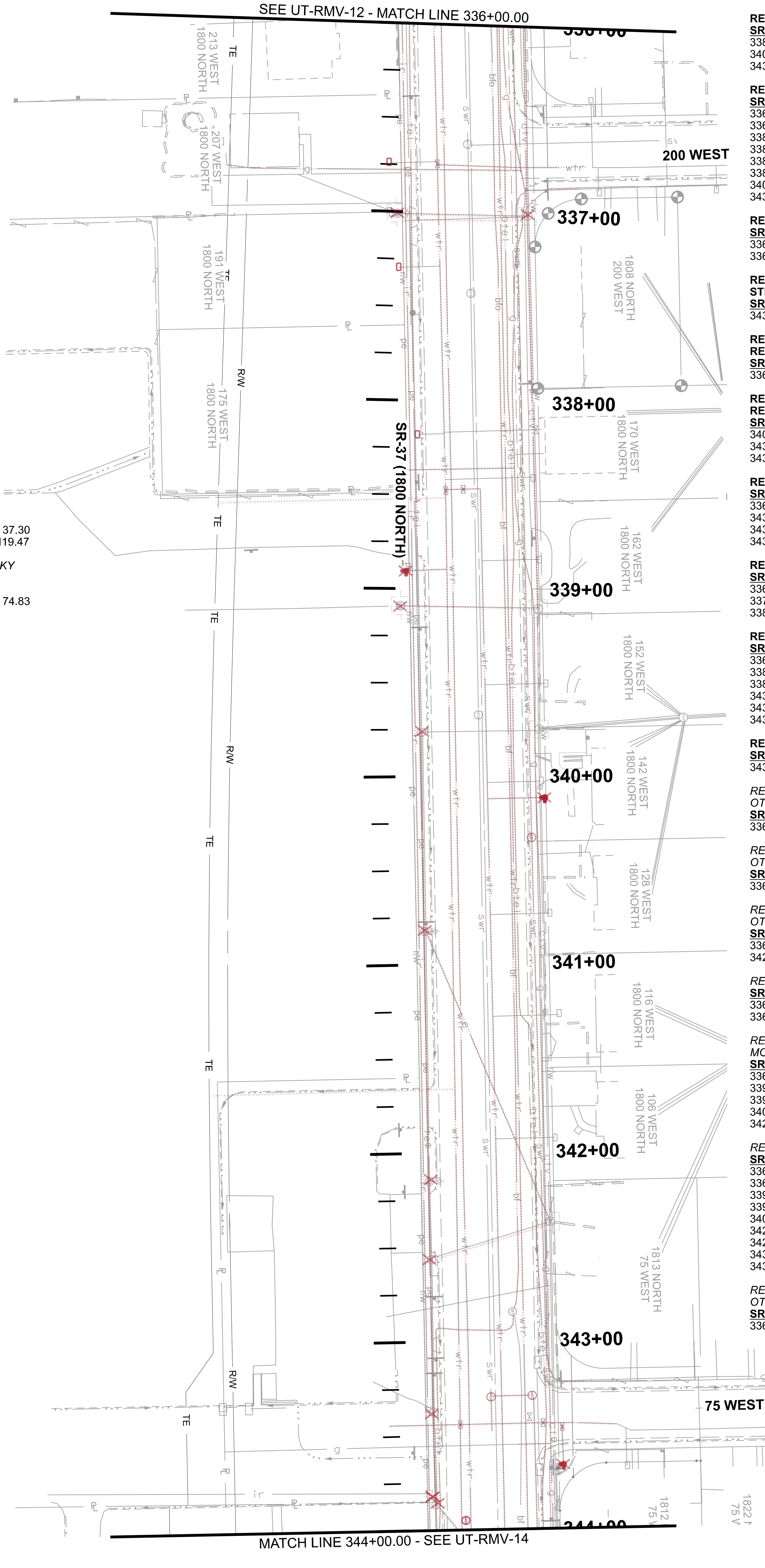
NO.	DATE	APPROVED BY	REMARKS

REVISIONS

SHEET NO. UT-RMV-12

EXHIBIT E

SEE UT-RMV-12 - MATCH LINE 336+00.00



MATCH LINE 344+00.00 - SEE UT-RMV-14

REMOVE FIRE HYDRANT (SUNSET) REQ'D
SR-37 (1800 NORTH)
338+90.60 LT 13.97
340+11.64 LT 87.47
343+66.11 LT 90.95

REMOVE PIPE (SUNSET) REQ'D
SR-37 (1800 NORTH)
336+00.00 LT 21.54 TO 344+00.00 LT 36.34
336+73.47 LT 105.21 TO 336+74.52 LT 25.76
338+46.47 LT 52.92 TO 338+47.26 LT 34.51
338+47.26 LT 34.51 TO 344+00.00 LT 59.12
338+51.75 LT 34.65 TO 338+55.82 RT 84.98
338+89.62 LT 35.64 TO 338+90.61 LT 14.07
340+11.64 LT 87.47 TO 340+12.12 LT 57.22
343+44.64 LT 90.49 TO 343+66.06 LT 90.93

REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
336+00.00 LT 25.51 TO 344+00.00 LT 41.18
336+00.00 LT 54.96 TO 344+00.00 LT 71.37

REMOVE CONCRETE IRRIGATION STRUCTURE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
343+80.38 LT 19.43

REMOVE PIPE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
336+00.00 LT 4.73 TO 344+00.00 LT 19.44

REMOVE SEWER MANHOLE (NDSD) REQ'D
SR-37 (1800 NORTH)
340+32.96 LT 80.23
343+29.34 LT 74.96
343+29.68 LT 53.19

REMOVE SEWER PIPE (NDSD) REQ'D
SR-37 (1800 NORTH)
336+00.00 LT 63.30 TO 343+25.86 LT 83.09
343+29.26 LT 73.92 TO 343+29.38 LT 54.18
343+30.09 LT 75.81 TO 344+00.00 LT 76.34
343+30.73 LT 53.21 TO 343+47.67 LT 53.32

REMOVE WATER METER (SUNSET) REQ'D
SR-37 (1800 NORTH)
336+73.83 LT 0.17
337+29.30 LT 7.03
338+18.03 LT 19.10

REMOVE VALVE (SUNSET) REQ'D
SR-37 (1800 NORTH)
336+74.08 LT 25.75
338+46.87 LT 43.75
338+47.68 LT 34.53
343+43.91 LT 80.41
343+44.13 LT 36.57
343+46.21 LT 90.50

REMOVE MANHOLE (SUNSET) REQ'D
SR-37 (1800 NORTH)
343+94.95 LT 38.52

REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
336+00.00 LT 51.81 TO 342+82.79 LT 66.37

REMOVE OVERHEAD CABLE TV BY OTHERS
SR-37 (1800 NORTH)
336+00.00 LT 68.96 TO 339+10.41 LT 83.92

REMOVE BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
336+00.00 LT 56.02 TO 344+00.00 LT 79.53
342+86.26 LT 65.76 TO 344+00.00 LT 24.54

REMOVE GAS IHP BY OTHERS
SR-37 (1800 NORTH)
336+00.00 LT 58.27 TO 344+00.00 LT 84.64
336+84.97 LT 101.72 TO 336+86.84 LT 72.63

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
336+00.00 LT 69.79 TO 339+10.25 LT 84.14
339+10.61 LT 84.53 TO 339+12.12 RT 82.67
339+75.80 LT 21.73 TO 343+99.83 LT 33.90
340+81.40 LT 23.66 TO 342+38.52 LT 86.76
342+38.72 LT 86.95 TO 342+56.79 LT 23.49

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
336+96.21 LT 70.72
336+97.38 LT 1.59
339+06.02 LT 7.40
339+72.55 LT 18.88
340+78.27 LT 19.30
342+10.54 LT 19.94
342+52.93 LT 18.48
343+34.69 LT 18.07
343+82.03 LT 20.18

REMOVE OVERHEAD TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
336+00.00 LT 8.50 TO 344+00.00 LT 23.12

REMOVE PIPE (SUNSET) REQ'D
SR-37 (1800 NORTH)
341+67.07 RT 91.65 TO 341+66.16 LT 37.30
343+44.17 RT 1.16 TO 343+45.26 LT 119.47

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
336+82.41 RT 48.19 TO 337+00.47 LT 74.83

NOTES:
1. SEE UT-A SERIES FOR WATER INFORMATION
2. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
3. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.

PROJECT	I-15; 1800 NORTH INTERCHANGE			
PROJECT NUMBER	S-I15-8(157)336	PIN	15682	
	UTILITY REMOVAL			

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED
PROFESSIONAL ENGINEER
7/8/2024 DATE
DRAWN BY LCJ
QC CHECKED BY KNC

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

SHEET NO. UT-RMV-13

EXHIBIT E

REGION 1 8-JUL-2024 13:58 aellefson DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 UT-RMV-14.dgn

REMOVE PIPE (SUNSET) REQ'D
SR-37 (1800 NORTH)
347+11.77 RT 48.45 TO 347+11.68 RT 122.07

REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
347+74.44 RT 12.89 TO 347+98.36 RT 13.29
351+38.32 RT 73.30 TO 352+00.00 RT 70.58

REMOVE VALVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
347+91.46 RT 13.05
347+98.36 RT 13.29

REMOVE WATER METER (SUNSET) REQ'D
SR-37 (1800 NORTH)
346+89.74 RT 39.26

REMOVE VALVE (SUNSET) REQ'D
SR-37 (1800 NORTH)
347+01.81 RT 18.73

REMOVE PIPE (WBWCD) REQ'D
SR-126 (MAIN ST)
422+50.00 RT 31.60 TO 425+00.00 RT 31.34
SR-37 (1800 NORTH)
347+06.38 RT 15.60 TO 347+87.55 RT 15.58
347+07.42 RT 8.87 TO 347+12.29 RT 8.83

REMOVE METERING STATION (WBWCD) REQ'D
SR-126 (MAIN ST)
424+57.72 RT 26.91
SR-37 (1800 NORTH)
347+06.56 RT 8.75

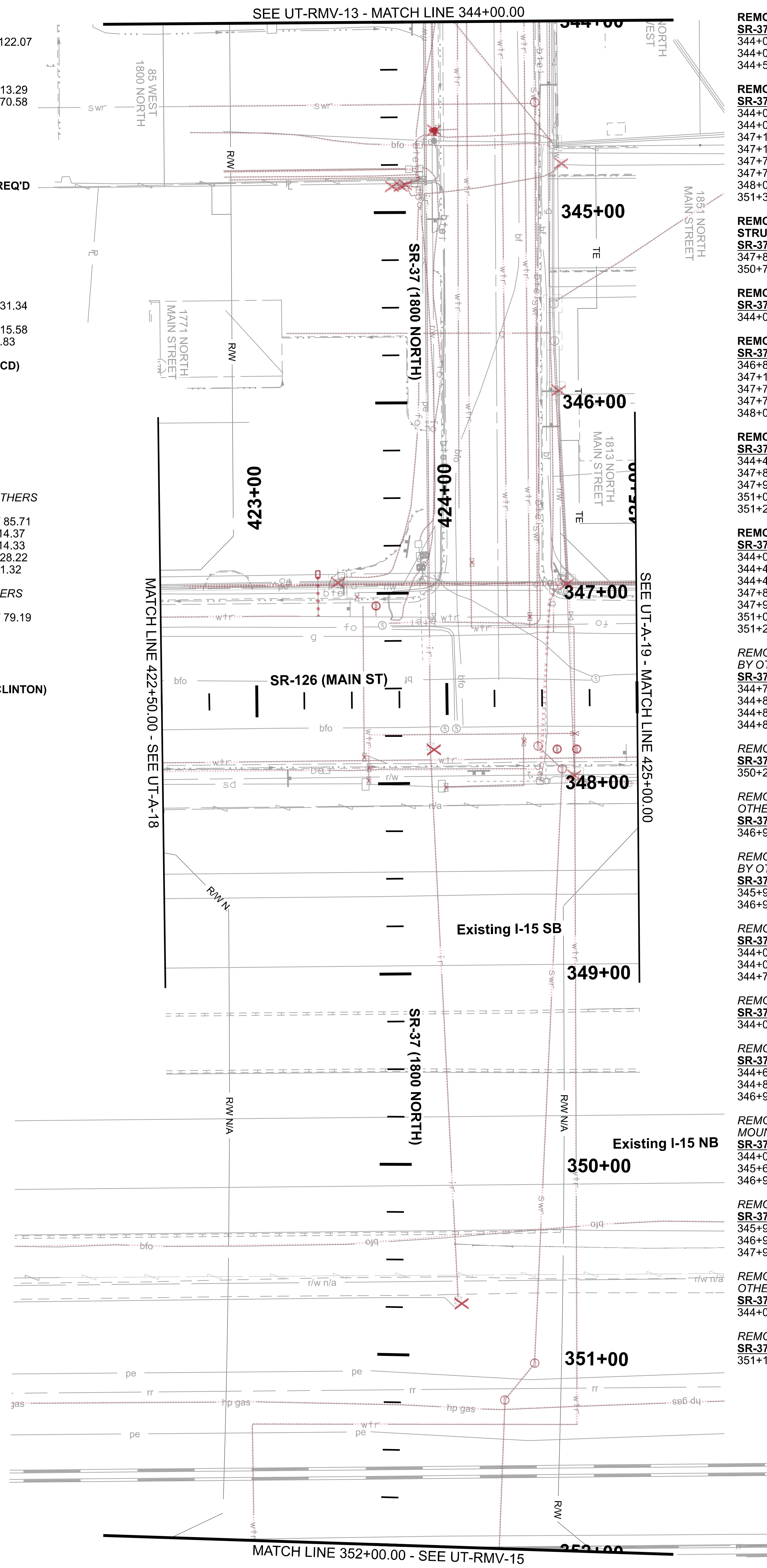
REMOVE VALVE (WBWCD) REQ'D
SR-126 (MAIN ST)
423+56.16 RT 30.00

REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
344+57.13 RT 104.90 TO 344+65.42 LT 85.71
344+77.35 RT 87.30 TO 346+72.74 LT 14.37
344+77.97 RT 87.72 TO 344+79.29 LT 14.33
344+80.71 RT 87.19 TO 346+93.32 RT 28.22
344+82.23 RT 83.90 TO 347+13.87 RT 1.32

REMOVE BURIED ELECTRIC BY OTHERS
SR-37 (1800 NORTH)
347+92.48 RT 121.66 TO 347+92.76 LT 79.19

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
346+90.78 RT 32.34

REMOVE CONTROL VALVE VAULT (CLINTON) REQ'D
SR-126 (MAIN ST)
424+68.01 RT 26.97



REMOVE FIRE HYDRANT (SUNSET) REQ'D
SR-37 (1800 NORTH)
344+56.90 LT 23.94

REMOVE PIPE (SUNSET) REQ'D
SR-37 (1800 NORTH)
344+00.00 LT 36.34 TO 346+55.77 LT 35.29
344+00.00 LT 59.12 TO 347+12.79 LT 60.31
344+56.57 LT 36.11 TO 344+56.90 LT 23.94

REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
344+00.00 LT 41.18 TO 347+18.57 LT 41.43
344+00.00 LT 71.37 TO 347+18.41 LT 72.03
347+18.30 LT 95.25 TO 347+18.57 LT 41.43
347+18.30 LT 95.25 TO 351+34.41 LT 97.41
347+74.37 LT 68.39 TO 348+01.60 LT 68.31
347+74.38 LT 95.22 TO 347+74.44 RT 12.89
348+01.60 LT 68.31 TO 348+02.13 LT 27.32
351+34.41 LT 97.41 TO 351+38.32 RT 73.30

REMOVE CONCRETE IRRIGATION STRUCTURE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
347+80.70 LT 19.33
350+71.01 LT 33.62

REMOVE PIPE (CLINTON CANAL CO) REQ'D
SR-37 (1800 NORTH)
344+00.00 LT 19.44 TO 350+71.01 LT 33.62

REMOVE VALVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
346+84.07 LT 41.84
347+12.76 LT 72.02
347+74.38 LT 95.22
347+78.16 LT 68.56
348+02.13 LT 27.32

REMOVE SEWER MANHOLE (NDSD) REQ'D
SR-37 (1800 NORTH)
344+42.66 LT 76.65
347+80.81 LT 75.89
347+92.92 LT 88.52
351+02.96 LT 74.44
351+22.52 LT 59.10

REMOVE SEWER PIPE (NDSD) REQ'D
SR-37 (1800 NORTH)
344+00.00 LT 76.34 TO 344+41.54 LT 76.65
344+43.28 LT 75.35 TO 344+43.50 RT 105.77
344+43.72 LT 76.75 TO 347+79.77 LT 75.88
347+81.75 LT 76.74 TO 347+92.20 LT 87.71
347+93.92 LT 88.48 TO 351+01.93 LT 74.37
351+03.93 LT 73.87 TO 351+21.68 LT 59.78
351+23.60 LT 59.22 TO 352+00.00 LT 58.40

REMOVE TELEPHONE PEDESTAL BY OTHERS
SR-37 (1800 NORTH)
344+74.93 LT 90.46
344+85.62 LT 8.43
344+86.34 LT 6.04
344+86.40 LT 1.39

REMOVE BURIED FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
350+29.03 LT 199.89 TO 350+45.54 RT 200.06

REMOVE OVERHEAD FIBER OPTIC BY OTHERS
SR-37 (1800 NORTH)
346+96.30 LT 128.13 TO 346+96.70 RT 106.93

REMOVE OVERHEAD CABLE TV BY OTHERS
SR-37 (1800 NORTH)
345+92.33 LT 86.41 TO 346+95.35 LT 91.77
346+95.52 LT 128.12 TO 346+95.84 RT 107.48

REMOVE BURIED TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
344+00.00 LT 24.54 TO 344+85.30 LT 9.79
344+00.00 LT 79.53 TO 347+15.75 RT 2.15
344+75.61 LT 90.19 TO 344+87.46 LT 9.62

REMOVE GAS IHP BY OTHERS
SR-37 (1800 NORTH)
344+00.09 LT 84.72 TO 347+21.29 LT 84.51

REMOVE BURIED ELECTRIC BY OTHERS
SR-37 (1800 NORTH)
344+62.83 LT 85.74 TO 344+84.64 LT 15.12
344+83.79 LT 200.00 TO 345+47.29 LT 86.81
346+94.51 LT 88.03 TO 347+99.90 LT 77.17

REMOVE OVERHEAD POWER (ROCKY MOUNTAIN POWER) BY OTHERS
SR-37 (1800 NORTH)
344+00.00 LT 34.04 TO 344+63.87 LT 85.84
345+68.01 LT 86.01 TO 348+00.78 LT 128.18
346+95.17 LT 128.13 TO 346+95.43 RT 110.83

REMOVE POWER POLE BY OTHERS
SR-37 (1800 NORTH)
345+90.66 LT 84.55
346+92.25 LT 88.03
347+92.89 LT 91.21

REMOVE OVERHEAD TELEPHONE BY OTHERS
SR-37 (1800 NORTH)
344+00.00 LT 23.12 TO 344+62.56 LT 23.60

REMOVE GAS HPG BY OTHERS
SR-37 (1800 NORTH)
351+19.20 LT 202.19 TO 351+30.31 RT 198.24

NOTES:
1. SEE UT-A SERIES FOR WATER INFORMATION
2. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
3. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.

PROJECT	I-15; 1800 NORTH INTERCHANGE		
PROJECT NUMBER	S-I15-8(157)336	PIN	15682
	UTILITY REMOVAL		

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED
PROFESSIONAL ENGINEER
DATE 7/8/2024
DRAWN BY LCJ
QC CHECKED BY KNC

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

SHEET NO. UT-RMV-14

EXHIBIT E

REGION 1 8-JUL-2024 13:58 aellefson DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 UT-RMV-15.dgn

REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
358+16.81 LT 162.08 TO
358+63.53 LT 166.08
358+18.90 LT 157.01 TO
359+05.73 LT 164.04
358+36.92 LT 166.00 TO
358+95.38 LT 200.00
358+60.61 LT 200.00 TO
358+63.53 LT 166.08
358+77.51 LT 200.00 TO
358+81.96 LT 108.18
358+14.60 LT 164.93 TO
358+25.22 LT 199.99

REMOVE SEWER MANHOLE (NDSD) REQ'D
SR-37 (1800 NORTH)
352+48.62 LT 57.79

REMOVE SEWER PIPE (NDSD) REQ'D
SR-37 (1800 NORTH)
352+00.00 LT 58.40 TO
352+47.62 LT 58.30

REMOVE SEWER PIPE (AMERICAN WATER) BY OTHERS
SR-37 (1800 NORTH)
352+49.58 LT 58.45 TO
352+55.32 LT 59.53
352+56.42 LT 199.02 TO
352+63.25 LT 141.39
352+63.92 LT 136.98 TO
352+70.76 LT 56.35
352+65.27 LT 140.86 TO
353+17.20 LT 198.46
352+66.23 LT 59.34 TO
352+70.51 LT 55.95
352+71.05 LT 54.37 TO
352+84.32 RT 201.26
352+72.37 LT 55.71 TO
352+79.32 LT 55.88
352+80.71 LT 54.33 TO
352+96.32 RT 201.36

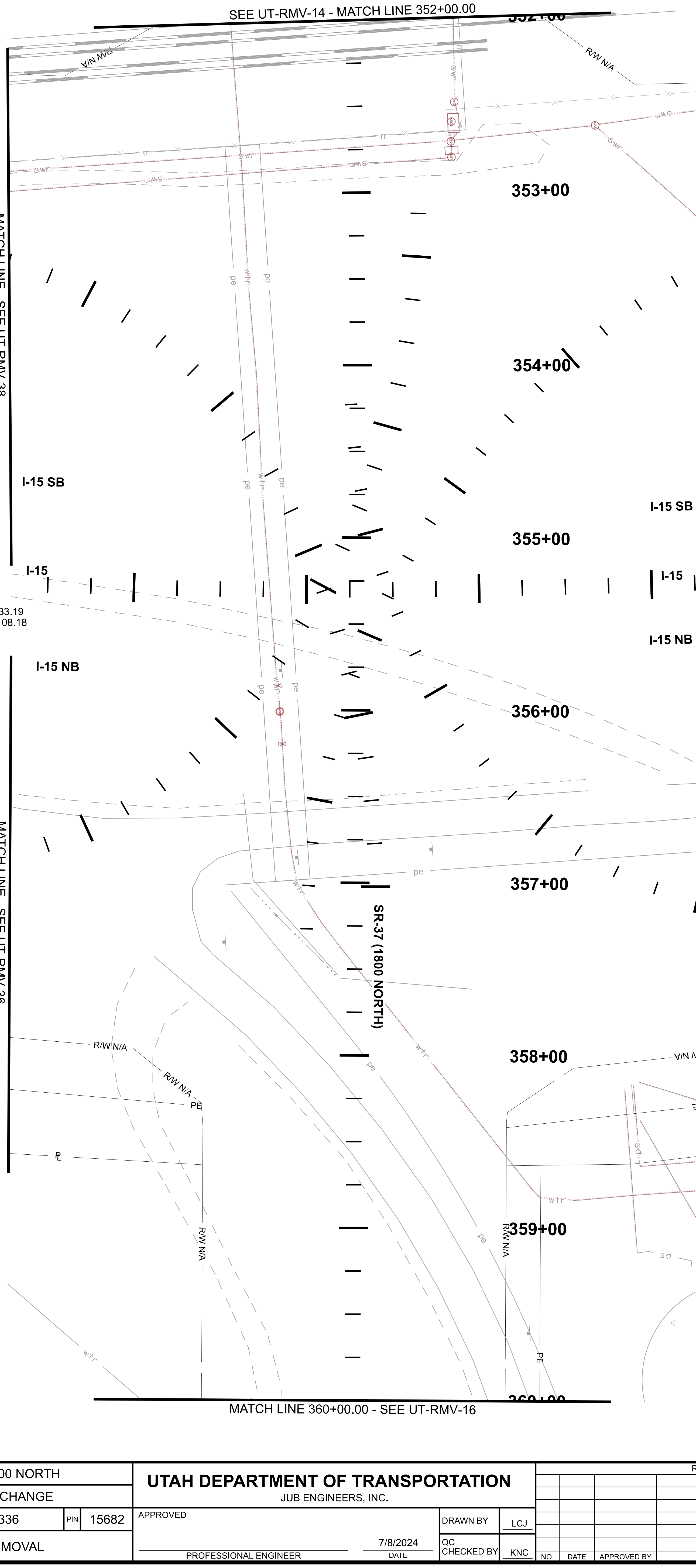
REMOVE SEWER MANHOLE (AMERICAN WATER) BY OTHERS
SR-37 (1800 NORTH)
352+59.92 LT 55.94
352+63.73 LT 139.18
352+71.30 LT 55.37
352+80.39 LT 55.59

REMOVE SEWER METER (AMERICAN WATER) BY OTHERS
SR-37 (1800 NORTH)
352+74.07 LT 59.29 TO
352+78.93 LT 52.11

REMOVE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
352+00.00 RT 70.58 TO 357+01.35 RT 33.19
357+01.35 RT 33.19 TO 358+81.96 LT 108.18

REMOVE VALVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
355+86.03 RT 45.38
356+19.71 RT 42.60

REMOVE AIR/VAC VAULT (CLINTON) REQ'D
SR-37 (1800 NORTH)
356+00.91 RT 44.12



NOTES:
1. SEE UT-A SERIES FOR WATER INFORMATION.
2. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
3. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.

PROJECT	I-15; 1800 NORTH INTERCHANGE		
PROJECT NUMBER	S-I15-8(157)336	PIN	15682
	UTILITY REMOVAL		

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

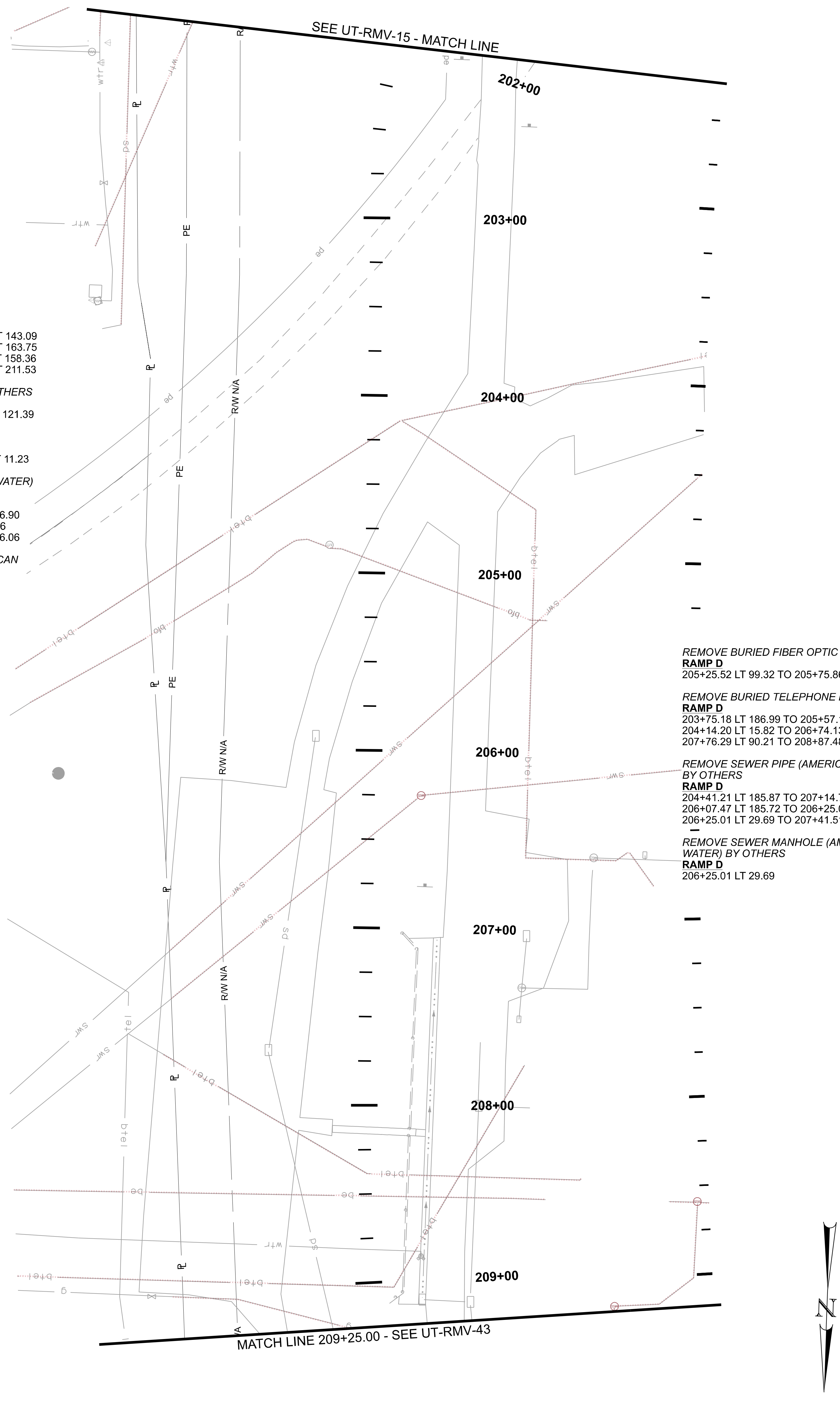
APPROVED
PROFESSIONAL ENGINEER
7/8/2024 DATE
DRAWN BY LCJ
QC CHECKED BY KNC

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

SHEET NO. UT-RMV-15

EXHIBIT E



REMOVE PIPE (CLINTON) REQ'D
RAMP D
202+20.04 RT 149.33 TO 203+62.31 RT 143.09
202+21.19 RT 166.12 TO 202+28.90 RT 163.75
202+17.25 RT 114.24 TO 203+18.34 RT 158.36
202+22.29 RT 183.88 TO 202+32.37 RT 211.53

REMOVE BURIED TELEPHONE BY OTHERS
RAMP D
207+72.60 RT 113.80 TO 208+43.99 LT 121.39

REMOVE GAS IHP BY OTHERS
RAMP D
209+02.02 RT 111.46 TO 209+25.00 RT 11.23

REMOVE SEWER PIPE (AMERICAN WATER) BY OTHERS
I-15 CL
576+58.28 RT 22.17 TO 576+59.34 RT 6.90
576+59.59 RT 5.14 TO 576+60.07 LT .36
576+60.08 RT 6.02 TO 577+18.17 RT 56.06

REMOVE SEWER MANHOLE (AMERICAN WATER) BY OTHERS
I-15 CL
576+59.03 RT 6.16
577+15.28 RT 55.76

REMOVE BURIED FIBER OPTIC BY OTHERS
RAMP D
205+25.52 LT 99.32 TO 205+75.86 RT 191.26

REMOVE BURIED TELEPHONE BY OTHERS
RAMP D
203+75.18 LT 186.99 TO 205+57.15 RT 199.93
204+14.20 LT 15.82 TO 206+74.13 LT 161.43
207+76.29 LT 90.21 TO 208+87.48 RT 197.54

REMOVE SEWER PIPE (AMERICAN WATER) BY OTHERS
RAMP D
204+41.21 LT 185.87 TO 207+14.74 RT 110.79
206+07.47 LT 185.72 TO 206+25.01 LT 29.69
206+25.01 LT 29.69 TO 207+41.51 RT 109.35

REMOVE SEWER MANHOLE (AMERICAN WATER) BY OTHERS
RAMP D
206+25.01 LT 29.69

NOTES:
1. SEE UT-A SERIES FOR WATER INFORMATION
2. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
3. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.

PROJECT	I-15; 1800 NORTH INTERCHANGE		
PROJECT NUMBER	S-I15-8(157)336	PIN	15682
	UTILITY REMOVAL		

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

APPROVED

PROFESSIONAL ENGINEER

7/8/2024
DATE

DRAWN BY LCJ
QC CHECKED BY KNC

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

SHEET NO. UT-RMV-42

EXHIBIT E

CLINTON - CULINARY WATER REMOVAL SUMMARY (1 OF 7)

ALIGNMENT	FROM STATION		TO STATION		SHEET	REMOVE AIR/VAC VAULT (CLINTON)	REMOVE FIRE HYDRANT (CLINTON)	REMOVE MANHOLE (CLINTON)	REMOVE PRV VAULT (CLINTON)	REMOVE VALVE (CLINTON)	REMOVE WATER METER (CLINTON)	REMOVE CONTROL VALVE VAULT (CLINTON)	ABANDON PIPE (CLINTON)	REMOVE ASBESTOS CEMENT PIPE (CLINTON)	REMOVE PIPE (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	EACH	EACH	EACH	EACH	EACH	EACH	CY	LF	LF	
Ramp D	202+17.25	114.24 RT	203+18.34	158.36 RT	UT-RMV-42										139	
Ramp D	202+20.04	149.33 RT	203+62.31	143.09 RT	UT-RMV-42										175	
Ramp D	202+21.19	166.12 RT	202+28.90	163.75 RT	UT-RMV-42										14	
Ramp D	202+22.29	183.88 RT	202+32.37	211.53 RT	UT-RMV-42										34	
SR-37 (1800 North)	249+30.84	24.80 LT	256+00.00	38.49 LT	UT-RMV-02										671	
SR-37 (1800 North)	249+33.56	91.82 LT	249+33.63	24.72 LT	UT-RMV-02										68	
SR-37 (1800 North)	249+33.63	24.72 LT	249+33.63	24.72 LT	UT-RMV-02					1						
SR-37 (1800 North)	251+42.82	25.43 LT	251+42.82	25.43 LT	UT-RMV-02					1						
SR-37 (1800 North)	252+05.21	34.25 LT	252+05.21	34.25 LT	UT-RMV-02						1					
SR-37 (1800 North)	253+48.63	52.86 RT	253+48.63	52.86 RT	UT-RMV-02					1						
SR-37 (1800 North)	253+49.12	35.88 LT	253+49.35	30.43 LT	UT-RMV-02										6	
SR-37 (1800 North)	253+49.12	35.88 LT	253+49.12	35.88 LT	UT-RMV-02		1									
SR-37 (1800 North)	254+92.55	33.33 LT	254+92.55	33.33 LT	UT-RMV-02					1						
SR-37 (1800 North)	255+09.18	33.58 LT	255+09.18	33.58 LT	UT-RMV-02					1						
SR-37 (1800 North)	255+09.22	35.41 LT	255+17.42	124.51 RT	UT-RMV-02										161	
SR-37 (1800 North)	255+11.79	42.82 LT	255+11.79	42.82 LT	UT-RMV-02						1					
SR-37 (1800 North)	255+12.05	35.51 LT	255+13.52	58.01 LT	UT-RMV-02										23	
SR-37 (1800 North)	255+13.21	43.80 RT	255+36.15	42.94 RT	UT-RMV-02										23	
SR-37 (1800 North)	255+36.15	42.94 RT	255+36.15	42.94 RT	UT-RMV-02		1									
SR-37 (1800 North)	255+99.99	38.49 LT	264+00.00	10.47 LT	UT-RMV-03										797	
SR-37 (1800 North)	257+32.36	60.64 LT	257+34.37	60.72 LT	UT-RMV-03										3	
SR-37 (1800 North)	257+32.36	60.64 LT	257+32.36	60.64 LT	UT-RMV-03		1									
SR-37 (1800 North)	257+34.29	67.71 LT	257+35.26	44.43 LT	UT-RMV-03										25	
SR-37 (1800 North)	257+35.48	44.05 LT	257+35.48	44.05 LT	UT-RMV-03					1						
SR-37 (1800 North)	257+59.99	21.89 RT	257+59.99	21.89 RT	UT-RMV-03						1					
SR-37 (1800 North)	261+24.13	50.59 RT	261+24.13	50.59 RT	UT-RMV-03						1					
SR-37 (1800 North)	261+44.50	15.76 LT	261+45.17	26.82 LT	UT-RMV-03										12	
SR-37 (1800 North)	261+45.17	26.82 LT	261+45.17	26.82 LT	UT-RMV-03		1									
SR-37 (1800 North)	261+86.16	51.86 RT	261+86.16	51.86 RT	UT-RMV-03						1					
SR-37 (1800 North)	262+67.31	56.37 RT	262+67.31	56.37 RT	UT-RMV-03						1					
SR-37 (1800 North)	263+47.26	55.33 RT	263+47.26	55.33 RT	UT-RMV-03						1					
SR-37 (1800 North)	264+00.00	10.47 LT	272+00.00	17.19 LT	UT-RMV-04										801	
SR-37 (1800 North)	264+96.92	54.62 RT	264+96.92	54.62 RT	UT-RMV-04						1					
SR-37 (1800 North)	266+55.59	55.05 RT	266+55.59	55.05 RT	UT-RMV-04						1					
SUBTOTAL 1						0	4	0	0	6	9	0	0	0	2952	

REGION 1 8-JUL-2024 17:15 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-40.dgn

REVISIONS
NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
APPROVED
PROFESSIONAL ENGINEER
7/8/2024 DATE
DRAWN BY NEW
QC CHECKED BY KNC

PROJECT I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER S-I15-8(157)336
PIN 15682
UTILITY SUMMARY

SHEET NO. SMU-40

EXHIBIT E

CLINTON - CULINARY WATER REMOVAL SUMMARY (2 OF 7)

ALIGNMENT	FROM STATION		TO STATION		SHEET	REMOVE AIR/VAC VAULT (CLINTON)	REMOVE FIRE HYDRANT (CLINTON)	REMOVE MANHOLE (CLINTON)	REMOVE PRV VAULT (CLINTON)	REMOVE VALVE (CLINTON)	REMOVE WATER METER (CLINTON)	REMOVE CONTROL VALVE VAULT (CLINTON)	ABANDON PIPE (CLINTON)	REMOVE ASBESTOS CEMENT PIPE (CLINTON)	REMOVE PIPE (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	EACH	EACH	EACH	EACH	EACH	EACH	CY	LF	LF	
SR-37 (1800 North)	267+03.06	54.51 RT	267+03.06	54.51 RT	UT-RMV-04						1					
SR-37 (1800 North)	268+15.93	26.37 LT	268+15.93	26.37 LT	UT-RMV-04					1						
SR-37 (1800 North)	268+19.64	12.52 LT	268+19.64	12.52 LT	UT-RMV-04					1						
SR-37 (1800 North)	268+23.51	140.50 RT	268+24.15	206.04 LT	UT-RMV-04										347	
SR-37 (1800 North)	268+24.84	62.58 RT	268+36.01	62.64 RT	UT-RMV-04										12	
SR-37 (1800 North)	268+24.92	52.61 RT	268+24.92	52.61 RT	UT-RMV-04					1						
SR-37 (1800 North)	268+25.42	32.94 LT	268+25.42	32.94 LT	UT-RMV-04					1						
SR-37 (1800 North)	268+25.88	85.20 LT	268+25.88	85.20 LT	UT-RMV-04					1						
SR-37 (1800 North)	268+27.89	12.61 LT	268+27.89	12.61 LT	UT-RMV-04					1						
SR-37 (1800 North)	268+36.01	62.64 RT	268+36.01	62.64 RT	UT-RMV-04		1									
SR-37 (1800 North)	270+17.07	47.85 RT	270+17.07	47.85 RT	UT-RMV-04						1					
SR-37 (1800 North)	270+54.03	36.46 LT	270+54.03	36.46 LT	UT-RMV-04						1					
SR-37 (1800 North)	271+01.85	47.97 RT	271+01.85	47.97 RT	UT-RMV-04						1					
SR-37 (1800 North)	272+00.00	17.19 LT	280+00.02	35.75 LT	UT-RMV-05										801	
SR-37 (1800 North)	273+02.29	19.33 LT	273+06.68	98.81 RT	UT-RMV-05										119	
SR-37 (1800 North)	273+03.79	50.93 RT	273+03.79	50.93 RT	UT-RMV-05					1						
SR-37 (1800 North)	273+04.06	55.40 RT	273+14.97	55.15 RT	UT-RMV-05										11	
SR-37 (1800 North)	273+14.97	55.15 RT	273+14.97	55.15 RT	UT-RMV-05		1									
SR-37 (1800 North)	273+22.46	67.92 RT	273+22.46	67.92 RT	UT-RMV-05						1					
SR-37 (1800 North)	273+49.85	41.03 LT	273+49.85	41.03 LT	UT-RMV-05						1					
SR-37 (1800 North)	273+50.36	40.11 RT	273+50.36	40.11 RT	UT-RMV-05						1					
SR-37 (1800 North)	273+53.61	40.22 RT	273+53.61	40.22 RT	UT-RMV-05						1					
SR-37 (1800 North)	275+07.94	38.22 LT	275+07.94	38.22 LT	UT-RMV-05						1					
SR-37 (1800 North)	275+74.72	36.90 RT	275+74.72	36.90 RT	UT-RMV-05						1					
SR-37 (1800 North)	277+07.78	33.59 RT	277+07.78	33.59 RT	UT-RMV-05						1					
SR-37 (1800 North)	277+36.78	37.15 LT	277+36.78	37.15 LT	UT-RMV-05		1									
SR-37 (1800 North)	277+36.78	37.15 LT	277+36.99	28.42 LT	UT-RMV-05										9	
SR-37 (1800 North)	277+96.66	31.53 RT	277+96.66	31.53 RT	UT-RMV-05						1					
SR-37 (1800 North)	278+16.94	45.82 LT	278+16.94	45.82 LT	UT-RMV-05						1					
SR-37 (1800 North)	278+91.62	33.49 LT	278+92.11	95.12 RT	UT-RMV-05										129	
SR-37 (1800 North)	278+93.40	40.97 RT	278+93.40	40.97 RT	UT-RMV-05					1						
SR-37 (1800 North)	279+03.98	48.42 LT	279+03.98	48.42 LT	UT-RMV-05						1					
SR-37 (1800 North)	279+83.71	49.74 LT	279+83.71	49.74 LT	UT-RMV-05						1					
SR-37 (1800 North)	280+00.00	35.75 LT	288+00.00	35.81 LT	UT-RMV-06										800	
SUBTOTAL 2						0	3	0	0	8	15	0	0	0	2228	

REGION 1 8-JUL-2024 17:15 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-41.dgn

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY NEW
QC CHECKED BY KNC
APPROVED ______ 7/8/2024
PROFESSIONAL ENGINEER DATE

PROJECT I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
UTILITY SUMMARY

SHEET NO. SMU-41

EXHIBIT E

CLINTON - CULINARY WATER REMOVAL SUMMARY (3 OF 7)

ALIGNMENT	FROM STATION		TO STATION		SHEET	REMOVE AIR/VAC VAULT (CLINTON)	REMOVE FIRE HYDRANT (CLINTON)	REMOVE MANHOLE (CLINTON)	REMOVE PRV VAULT (CLINTON)	REMOVE VALVE (CLINTON)	REMOVE WATER METER (CLINTON)	REMOVE CONTROL VALVE VAULT (CLINTON)	ABANDON PIPE (CLINTON)	REMOVE ASBESTOS CEMENT PIPE (CLINTON)	REMOVE PIPE (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	EACH	EACH	EACH	EACH	EACH	EACH	CY	LF	LF	
SR-37 (1800 North)	280+67.24	26.15 RT	280+67.24	26.15 RT	UT-RMV-06						1					
SR-37 (1800 North)	281+20.61	45.11 LT	281+20.61	45.11 LT	UT-RMV-06						1					
SR-37 (1800 North)	282+12.29	47.28 LT	282+12.29	47.28 LT	UT-RMV-06					1						
SR-37 (1800 North)	282+15.12	47.43 LT	282+15.12	47.43 LT	UT-RMV-06					1						
SR-37 (1800 North)	282+83.67	41.25 LT	282+87.81	119.35 RT	UT-RMV-06										161	
SR-37 (1800 North)	282+84.81	28.86 RT	282+84.81	28.86 RT	UT-RMV-06					1						
SR-37 (1800 North)	282+84.95	36.09 LT	282+84.95	36.09 LT	UT-RMV-06					1						
SR-37 (1800 North)	282+85.04	34.06 RT	283+05.23	33.44 RT	UT-RMV-06										21	
SR-37 (1800 North)	283+04.27	103.03 RT	283+04.27	103.03 RT	UT-RMV-06						1					
SR-37 (1800 North)	283+05.23	33.44 RT	283+05.23	33.44 RT	UT-RMV-06		1									
SR-37 (1800 North)	283+87.84	41.82 LT	283+87.84	41.82 LT	UT-RMV-06					1						
SR-37 (1800 North)	284+27.65	43.54 LT	284+27.65	43.54 LT	UT-RMV-06					1						
SR-37 (1800 North)	284+27.77	66.36 LT	284+42.32	64.22 LT	UT-RMV-06										15	
SR-37 (1800 North)	284+31.27	113.46 LT	284+27.92	41.22 LT	UT-RMV-06										73	
SR-37 (1800 North)	284+42.32	64.22 LT	284+42.32	64.22 LT	UT-RMV-06		1									
SR-37 (1800 North)	284+59.52	20.69 RT	284+59.52	20.69 RT	UT-RMV-06						1					
SR-37 (1800 North)	285+53.79	20.68 RT	285+53.79	20.68 RT	UT-RMV-06						1					
SR-37 (1800 North)	285+94.98	03.86 LT	288+00.00	03.84 LT	UT-RMV-06									206		
SR-37 (1800 North)	285+94.98	03.86 LT	285+95.20	21.95 RT	UT-RMV-06									26		
SR-37 (1800 North)	285+95.20	21.95 RT	285+95.20	21.95 RT	UT-RMV-06		1									
SR-37 (1800 North)	287+39.02	49.56 LT	287+39.02	49.56 LT	UT-RMV-06						1					
SR-37 (1800 North)	287+70.79	15.06 RT	287+70.79	15.06 RT	UT-RMV-06					1						
SR-37 (1800 North)	287+70.80	09.71 LT	287+71.03	13.92 RT	UT-RMV-06										24	
SR-37 (1800 North)	287+70.80	09.71 LT	287+88.58	25.44 LT	UT-RMV-06										24	
SR-37 (1800 North)	287+71.03	13.92 RT	287+90.02	13.85 RT	UT-RMV-06										19	
SR-37 (1800 North)	287+71.34	23.93 RT	287+90.11	23.94 RT	UT-RMV-06										19	
SR-37 (1800 North)	287+71.35	23.91 RT	287+71.35	23.91 RT	UT-RMV-06		1									
SR-37 (1800 North)	287+72.86	13.62 RT	287+72.86	13.62 RT	UT-RMV-06					1						
SR-37 (1800 North)	287+88.10	25.10 LT	287+88.10	25.10 LT	UT-RMV-06					1						
SR-37 (1800 North)	287+88.46	35.85 LT	287+88.58	25.44 LT	UT-RMV-06										11	
SR-37 (1800 North)	287+90.02	13.85 RT	287+90.44	64.14 RT	UT-RMV-06										51	
SR-37 (1800 North)	287+96.91	50.86 LT	287+96.97	35.82 LT	UT-RMV-06										16	
SR-37 (1800 North)	287+96.91	50.86 LT	287+96.91	50.86 LT	UT-RMV-06		1									
SR-37 (1800 North)	288+00.00	35.81 LT	296+00.00	39.99 LT	UT-RMV-07										800	
SUBTOTAL 3						0	5	0	0	9	6	0	0	232	1234	

REGION 1 8-JUL-2024 17:15 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-42.dgn

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY NEW

QC CHECKED BY KNC

APPROVED ______ 7/8/2024 DATE

PROFESSIONAL ENGINEER

PROJECT I-15; 1800 NORTH INTERCHANGE

PIN 15682

PROJECT NUMBER S-I15-8(157)336

UTILITY SUMMARY

SHEET NO. SMU-42

EXHIBIT E

CLINTON - CULINARY WATER REMOVAL SUMMARY (4 OF 7)

ALIGNMENT	FROM STATION		TO STATION		SHEET	REMOVE AIR/VAC VAULT (CLINTON)	REMOVE FIRE HYDRANT (CLINTON)	REMOVE MANHOLE (CLINTON)	REMOVE PRV VAULT (CLINTON)	REMOVE VALVE (CLINTON)	REMOVE WATER METER (CLINTON)	REMOVE CONTROL VALVE VAULT (CLINTON)	ABANDON PIPE (CLINTON)	REMOVE ASBESTOS CEMENT PIPE (CLINTON)	REMOVE PIPE (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	EACH	EACH	EACH	EACH	EACH	EACH	CY	LF	LF	
SR-37 (1800 North)	288+00.00	03.84 LT	290+39.66	06.21 LT	UT-RMV-07									240		
SR-37 (1800 North)	288+61.07	63.12 LT	288+61.07	63.12 LT	UT-RMV-07						1					
SR-37 (1800 North)	290+05.78	06.24 LT	290+06.09	26.70 RT	UT-RMV-07									33		
SR-37 (1800 North)	290+06.10	26.68 RT	290+06.10	26.68 RT	UT-RMV-07		1									
SR-37 (1800 North)	290+10.26	63.09 LT	290+10.26	63.09 LT	UT-RMV-07						1					
SR-37 (1800 North)	290+47.22	61.70 LT	290+47.22	61.70 LT	UT-RMV-07		1									
SR-37 (1800 North)	291+50.31	63.17 LT	291+50.31	63.17 LT	UT-RMV-07						1					
SR-37 (1800 North)	293+42.22	61.17 LT	293+42.22	61.17 LT	UT-RMV-07						1					
SR-37 (1800 North)	294+03.31	40.25 LT	294+03.31	40.25 LT	UT-RMV-07					1						
SR-37 (1800 North)	294+46.38	155.56 LT	294+50.93	40.21 LT	UT-RMV-07										116	
SR-37 (1800 North)	294+48.46	56.56 LT	294+48.46	56.56 LT	UT-RMV-07				1	1						
SR-37 (1800 North)	294+69.47	40.19 LT	294+69.84	171.69 RT	UT-RMV-07										212	
SR-37 (1800 North)	294+69.78	29.96 RT	294+80.97	30.04 RT	UT-RMV-07										12	
SR-37 (1800 North)	294+69.91	17.14 RT	294+69.91	17.14 RT	UT-RMV-07					1						
SR-37 (1800 North)	294+78.23	05.07 LT	294+78.23	05.07 LT	UT-RMV-07					1						
SR-37 (1800 North)	294+80.97	30.04 RT	294+80.97	30.04 RT	UT-RMV-07		1									
SR-37 (1800 North)	296+00.00	39.99 LT	304+00.00	16.86 RT	UT-RMV-08										800	
SR-37 (1800 North)	296+00.99	61.60 LT	296+00.99	61.60 LT	UT-RMV-08		1									
SR-37 (1800 North)	298+41.09	104.00 RT	298+56.85	33.45 LT	UT-RMV-08										142	
SR-37 (1800 North)	298+44.36	70.30 RT	298+57.70	70.61 RT	UT-RMV-08										16	
SR-37 (1800 North)	298+53.15	33.61 LT	298+58.87	157.16 LT	UT-RMV-08										124	
SR-37 (1800 North)	298+53.69	53.25 LT	298+53.69	53.25 LT	UT-RMV-08					1						
SR-37 (1800 North)	298+54.59	67.45 LT	298+67.85	67.01 LT	UT-RMV-08										14	
SR-37 (1800 North)	298+56.75	31.99 LT	298+56.75	31.99 LT	UT-RMV-08					1						
SR-37 (1800 North)	298+57.70	70.61 RT	298+57.70	70.61 RT	UT-RMV-08		1									
SR-37 (1800 North)	298+67.85	67.04 LT	298+67.85	67.04 LT	UT-RMV-08		1									
SR-37 (1800 North)	301+07.16	14.27 LT	301+09.81	36.93 LT	UT-RMV-08										23	
SR-37 (1800 North)	301+09.81	36.93 LT	301+09.81	36.93 LT	UT-RMV-08		1									
SR-37 (1800 North)	304+00.00	16.86 RT	312+00.00	40.18 RT	UT-RMV-09										799	
SR-37 (1800 North)	304+61.69	110.53 RT	304+69.45	23.07 RT	UT-RMV-09										88	
SR-37 (1800 North)	304+62.50	100.79 RT	304+77.78	101.86 RT	UT-RMV-09										16	
SR-37 (1800 North)	304+63.53	86.38 RT	304+63.53	86.38 RT	UT-RMV-09					1						
SR-37 (1800 North)	304+64.04	22.63 RT	304+85.00	210.95 LT	UT-RMV-09										235	
SR-37 (1800 North)	304+65.75	00.62 RT	304+65.75	00.62 RT	UT-RMV-09					1						
SUBTOTAL 4						0	7	0	1	8	4	0	0	273	2597	

REGION 1 8-JUL-2024 17:15 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-43.dgn

REVISIONS
NO. DATE APPROVED BY REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

NEW DRAWN BY
KNC QC CHECKED BY
7/8/2024 DATE
APPROVED PROFESSIONAL ENGINEER

PROJECT I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
UTILITY SUMMARY

SHEET NO. SMU-43

EXHIBIT E

REGION 1 8-JUL-2024 17:15 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-44.dgn

CLINTON - CULINARY WATER REMOVAL SUMMARY (5 OF 7)

ALIGNMENT	FROM STATION		TO STATION		SHEET	REMOVE AIR/VAC VAULT (CLINTON)	REMOVE FIRE HYDRANT (CLINTON)	REMOVE MANHOLE (CLINTON)	REMOVE PRV VAULT (CLINTON)	REMOVE VALVE (CLINTON)	REMOVE WATER METER (CLINTON)	REMOVE CONTROL VALVE VAULT (CLINTON)	ABANDON PIPE (CLINTON)	REMOVE ASBESTOS CEMENT PIPE (CLINTON)	REMOVE PIPE (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	EACH	EACH	EACH	EACH	EACH	EACH	CY	LF	LF	
SR-37 (1800 North)	304+68.29	27.17 LT	304+87.83	25.29 LT	UT-RMV-09										20	
SR-37 (1800 North)	304+77.77	101.85 RT	304+77.77	101.85 RT	UT-RMV-09		1									
SR-37 (1800 North)	304+87.83	25.29 LT	304+87.83	25.29 LT	UT-RMV-09		1									
SR-37 (1800 North)	306+33.61	17.83 RT	306+33.61	17.83 RT	UT-RMV-09						1					
SR-37 (1800 North)	307+03.26	21.92 RT	307+03.26	21.92 RT	UT-RMV-09						1					
SR-37 (1800 North)	307+63.91	16.83 RT	307+63.91	16.83 RT	UT-RMV-09						1					
SR-37 (1800 North)	307+94.11	40.93 RT	307+94.11	40.93 RT	UT-RMV-09					1						
SR-37 (1800 North)	309+02.58	152.53 RT	309+02.58	152.53 RT	UT-RMV-09						1					
SR-37 (1800 North)	309+06.11	49.29 LT	309+06.11	49.29 LT	UT-RMV-09						1					
SR-37 (1800 North)	309+31.38	35.35 RT	309+31.38	35.35 RT	UT-RMV-09					1						
SR-37 (1800 North)	309+31.60	35.90 RT	309+33.02	119.49 LT	UT-RMV-09										156	
SR-37 (1800 North)	309+31.96	01.23 RT	309+51.01	01.65 RT	UT-RMV-09										20	
SR-37 (1800 North)	309+32.11	01.71 RT	309+32.11	01.71 RT	UT-RMV-09					1						
SR-37 (1800 North)	309+46.71	36.10 RT	309+48.12	158.75 RT	UT-RMV-09										123	
SR-37 (1800 North)	309+46.80	38.75 RT	309+46.80	38.75 RT	UT-RMV-09					1						
SR-37 (1800 North)	309+46.83	104.53 RT	309+46.83	104.53 RT	UT-RMV-09					1						
SR-37 (1800 North)	309+51.60	01.62 RT	309+51.60	01.62 RT	UT-RMV-09		1									
SR-37 (1800 North)	311+79.33	85.73 RT	311+79.33	85.73 RT	UT-RMV-09						1					
SR-37 (1800 North)	311+80.98	38.22 RT	311+81.02	85.89 RT	UT-RMV-09										48	
SR-37 (1800 North)	311+81.02	85.89 RT	311+81.02	85.89 RT	UT-RMV-09						1					
SR-37 (1800 North)	312+00.00	38.39 RT	315+77.74	40.93 RT	UT-RMV-10										378	
SR-37 (1800 North)	312+71.13	146.54 RT	312+72.33	72.26 RT	UT-RMV-10									75		
SR-37 (1800 North)	312+71.67	97.65 RT	312+71.67	97.65 RT	UT-RMV-10					1						
SR-37 (1800 North)	312+72.33	72.26 RT	316+91.63	68.71 RT	UT-RMV-10									417		
SR-37 (1800 North)	313+33.58	91.43 RT	313+33.58	91.43 RT	UT-RMV-10						1					
SR-37 (1800 North)	314+15.30	88.38 RT	314+15.30	88.38 RT	UT-RMV-10						1					
SR-37 (1800 North)	314+36.15	20.95 RT	314+36.15	20.95 RT	UT-RMV-10		1									
SR-37 (1800 North)	314+36.15	20.59 RT	314+36.21	40.51 RT	UT-RMV-10										20	
SR-37 (1800 North)	314+71.61	20.51 RT	314+71.61	20.51 RT	UT-RMV-10						1					
SR-37 (1800 North)	314+79.46	88.03 RT	314+79.46	88.03 RT	UT-RMV-10						1					
SR-37 (1800 North)	315+61.27	88.18 RT	315+61.27	88.18 RT	UT-RMV-10						1					
SR-37 (1800 North)	315+76.38	101.75 LT	315+77.78	42.76 RT	UT-RMV-10										174	
SR-37 (1800 North)	315+77.71	30.36 RT	315+77.71	30.36 RT	UT-RMV-10					1						
SR-37 (1800 North)	315+77.78	42.72 RT	320+00.00	25.79 RT	UT-RMV-10										422	
SUBTOTAL 5						**0**	**4**	**0**	**0**	**7**	**12**	**0**	**0**	**492**	**1361**	

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY NEW

QC CHECKED BY KNC

APPROVED

PROFESSIONAL ENGINEER

7/8/2024 DATE

PROJECT I-15; 1800 NORTH INTERCHANGE

PIN 15682

PROJECT NUMBER S-I15-8(157)336

UTILITY SUMMARY

SHEET NO. SMU-44

EXHIBIT E

CLINTON - CULINARY WATER REMOVAL SUMMARY (6 OF 7)

ALIGNMENT	FROM STATION		TO STATION		SHEET	REMOVE AIR/VAC VAULT (CLINTON)	REMOVE FIRE HYDRANT (CLINTON)	REMOVE MANHOLE (CLINTON)	REMOVE PRV VAULT (CLINTON)	REMOVE VALVE (CLINTON)	REMOVE WATER METER (CLINTON)	REMOVE CONTROL VALVE VAULT (CLINTON)	ABANDON PIPE (CLINTON)	REMOVE ASBESTOS CEMENT PIPE (CLINTON)	REMOVE PIPE (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	EACH	EACH	EACH	EACH	EACH	EACH	CY	LF	LF	
SR-37 (1800 North)	316+35.81	86.67 RT	316+35.81	86.67 RT	UT-RMV-10						1					
SR-37 (1800 North)	316+91.63	68.71 RT	320+00.00	57.04 RT	UT-RMV-10										308	
SR-37 (1800 North)	317+11.68	84.44 RT	317+11.68	84.44 RT	UT-RMV-10						1					
SR-37 (1800 North)	317+13.71	67.92 RT	317+13.71	67.92 RT	UT-RMV-10					1						
SR-37 (1800 North)	317+15.04	37.34 RT	317+16.49	67.81 RT	UT-RMV-10										31	
SR-37 (1800 North)	318+49.94	29.12 RT	318+49.94	29.12 RT	UT-RMV-10					1						
SR-37 (1800 North)	318+60.03	130.33 RT	318+60.03	130.33 RT	UT-RMV-10						1					
SR-37 (1800 North)	318+90.06	83.87 RT	318+90.06	83.87 RT	UT-RMV-10					1						
SR-37 (1800 North)	318+90.61	58.46 RT	318+90.61	58.46 RT	UT-RMV-10					1						
SR-37 (1800 North)	318+96.37	201.36 RT	318+99.54	176.81 LT	UT-RMV-10										380	
SR-37 (1800 North)	319+11.92	28.41 RT	319+11.92	28.41 RT	UT-RMV-10					1						
SR-37 (1800 North)	319+28.99	28.10 RT	319+28.99	28.10 RT	UT-RMV-10			1								
SR-37 (1800 North)	319+35.17	60.45 RT	319+37.04	95.18 RT	UT-RMV-10										35	
SR-37 (1800 North)	319+84.29	25.70 RT	319+84.29	25.70 RT	UT-RMV-10			1								
SR-37 (1800 North)	319+93.67	57.41 RT	319+93.67	57.41 RT	UT-RMV-10			1								
SR-37 (1800 North)	320+00.00	57.04 RT	320+31.87	55.64 RT	UT-RMV-11										32	
SR-37 (1800 North)	320+00.00	25.79 RT	320+29.29	25.24 RT	UT-RMV-11										30	
SR-37 (1800 North)	320+29.29	25.24 RT	321+93.65	20.81 RT	UT-RMV-11								5			
SR-37 (1800 North)	320+31.87	55.64 RT	321+95.68	48.10 RT	UT-RMV-11								14			
SR-37 (1800 North)	321+93.69	20.81 RT	328+00.00	13.92 LT	UT-RMV-11										608	
SR-37 (1800 North)	321+95.71	48.10 RT	328+00.00	16.08 RT	UT-RMV-11										606	
SR-37 (1800 North)	322+03.28	20.28 RT	322+03.28	20.28 RT	UT-RMV-11			1								
SR-37 (1800 North)	322+63.14	48.02 RT	322+63.14	48.02 RT	UT-RMV-11			1								
SR-37 (1800 North)	322+73.40	00.20 RT	322+75.99	52.06 RT	UT-RMV-11										52	
SR-37 (1800 North)	328+00.00	16.08 RT	336+00.00	25.51 LT	UT-RMV-12										802	
SR-37 (1800 North)	328+00.00	13.92 LT	336+00.00	54.96 LT	UT-RMV-12										802	
SR-37 (1800 North)	334+26.21	47.90 LT	334+26.21	47.90 LT	UT-RMV-12	1										
SR-37 (1800 North)	336+00.00	25.51 LT	344+00.00	41.18 LT	UT-RMV-13										799	
SR-37 (1800 North)	336+00.00	54.96 LT	344+00.00	71.37 LT	UT-RMV-13										797	
SR-37 (1800 North)	344+00.00	41.18 LT	347+18.57	41.43 LT	UT-RMV-14										319	
SR-37 (1800 North)	344+00.00	71.37 LT	347+18.41	72.03 LT	UT-RMV-14										319	
SR-37 (1800 North)	346+84.07	41.84 LT	346+84.07	41.84 LT	UT-RMV-14					1						
SR-37 (1800 North)	347+12.76	72.02 LT	347+12.76	72.02 LT	UT-RMV-14					1						
SR-37 (1800 North)	347+18.30	95.25 LT	351+34.41	97.41 LT	UT-RMV-14										420	
SUBTOTAL 6						**1**	**0**	**5**	**0**	**7**	**3**	**0**	**19**	**0**	**6340**	

DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-45.dgn

nweinkauf 17:15 8-JUL-2024 REGION 1

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY NEW

QC CHECKED BY KNC

7/8/2024 DATE

PROFESSIONAL ENGINEER

APPROVED

PROJECT I-15; 1800 NORTH INTERCHANGE

PIN 15682

PROJECT NUMBER S-I15-8(157)336

UTILITY SUMMARY

SHEET NO. SMU-45

EXHIBIT E

CLINTON - CULINARY WATER REMOVAL SUMMARY (7 OF 7)

ALIGNMENT	FROM STATION		TO STATION		SHEET	REMOVE AIR/VAC VAULT (CLINTON)	REMOVE FIRE HYDRANT (CLINTON)	REMOVE MANHOLE (CLINTON)	REMOVE PRV VAULT (CLINTON)	REMOVE VALVE (CLINTON)	REMOVE WATER METER (CLINTON)	REMOVE CONTROL VALVE VAULT (CLINTON)	ABANDON PIPE (CLINTON)	REMOVE ASBESTOS CEMENT PIPE (CLINTON)	REMOVE PIPE (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	EACH	EACH	EACH	EACH	EACH	EACH	CY	LF	LF	
SR-37 (1800 North)	347+18.30	95.25 LT	347+18.57	41.43 LT	UT-RMV-14										54	
SR-37 (1800 North)	347+74.37	68.39 LT	348+01.60	68.31 LT	UT-RMV-14										28	
SR-37 (1800 North)	347+74.38	95.22 LT	347+74.44	12.89 RT	UT-RMV-14										109	
SR-37 (1800 North)	347+74.38	95.22 LT	347+74.38	95.22 LT	UT-RMV-14					1						
SR-37 (1800 North)	347+74.44	12.89 RT	347+98.36	13.29 RT	UT-RMV-14										24	
SR-37 (1800 North)	347+78.16	68.56 LT	347+78.16	68.56 LT	UT-RMV-14					1						
SR-37 (1800 North)	347+91.46	13.05 RT	347+91.46	13.05 RT	UT-RMV-14					1						
SR-37 (1800 North)	347+98.36	13.29 RT	347+98.36	13.29 RT	UT-RMV-14					1						
SR-37 (1800 North)	348+01.60	68.31 LT	348+02.13	27.32 LT	UT-RMV-14										41	
SR-37 (1800 North)	348+02.13	27.32 LT	348+02.13	27.32 LT	UT-RMV-14					1						
SR-37 (1800 North)	351+34.41	97.41 LT	351+38.32	73.30 RT	UT-RMV-14										171	
SR-37 (1800 North)	351+38.32	73.30 RT	352+00.00	70.58 RT	UT-RMV-14										62	
SR-37 (1800 North)	352+00.00	70.58 RT	357+01.35	33.19 RT	UT-RMV-15										501	
SR-37 (1800 North)	355+86.03	45.38 RT	355+86.03	45.38 RT	UT-RMV-15					1						
SR-37 (1800 North)	356+00.91	44.12 RT	356+00.91	44.12 RT	UT-RMV-15	1										
SR-37 (1800 North)	356+19.71	42.60 RT	356+19.71	42.60 RT	UT-RMV-15					1						
SR-37 (1800 North)	357+01.35	33.19 RT	358+81.96	108.18 LT	UT-RMV-15										230	
SR-37 (1800 North)	358+14.60	164.93 LT	358+25.22	199.99 LT	UT-RMV-15										37	
SR-37 (1800 North)	358+16.81	162.08 LT	358+63.53	166.08 LT	UT-RMV-15										47	
SR-37 (1800 North)	358+18.90	157.01 LT	359+05.73	164.04 LT	UT-RMV-15										88	
SR-37 (1800 North)	358+36.92	166.00 LT	358+95.38	200.00 LT	UT-RMV-15										68	
SR-37 (1800 North)	358+60.61	200.00 LT	358+63.53	166.08 LT	UT-RMV-15										35	
SR-37 (1800 North)	358+77.51	200.00 LT	358+81.96	108.18 LT	UT-RMV-15										92	
SR-126 (MAIN ST)	424+68.01	26.97 RT	424+68.01	26.97 RT	UT-RMV-14							1				
SUBTOTAL 7						**1**	**0**	**0**	**0**	**7**	**0**	**1**	**0**	**0**	**1587**	
SUBTOTAL 6						1	0	5	0	7	3	0	19	0	6340	
SUBTOTAL 5						0	4	0	0	7	12	0	0	492	1361	
SUBTOTAL 4						0	7	0	1	8	4	0	0	273	2597	
SUBTOTAL 3						0	5	0	0	9	6	0	0	232	1234	
SUBTOTAL 2						0	3	0	0	8	15	0	0	0	2228	
SUBTOTAL 1						0	4	0	0	6	9	0	0	0	2952	
TOTAL						**2**	**23**	**5**	**1**	**52**	**49**	**1**	**19**	**997**	**18299**	

DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-46.dgn

nweinkauf 17:16 8-JUL-2024 REGION 1

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY: NEW

QC CHECKED BY: KNC

7/8/2024 DATE

APPROVED

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

PIN: 15682

PROJECT NUMBER: S-I15-8(157)336

UTILITY SUMMARY

SHEET NO. SMU-46

EXHIBIT E

CLINTON - SANITARY SEWER REMOVAL SUMMARY (1 OF 1)

ALIGNMENT	FROM STATION		TO STATION		SHEET	REMOVE SEWER MANHOLE (CLINTON)	ABANDON PIPE (CLINTON)	REMOVE SEWER PIPE (CLINTON)	REMARKS
	STA.	OFF.	STA.	OFF.		EACH	CY	LF	
SR-37 (1800 North)	250+32.40	21.65 LT	256+00.00	33.95 LT	UT-RMV-02		8		
SR-37 (1800 North)	254+32.29	28.91 LT	254+32.29	28.91 LT	UT-RMV-02	1			
SR-37 (1800 North)	255+03.97	29.44 LT	255+03.97	29.44 LT	UT-RMV-02	1			
SR-37 (1800 North)	255+04.03	28.90 LT	255+08.88	71.69 RT	UT-RMV-02			101	
SR-37 (1800 North)	256+00.00	33.95 LT	264+00.00	08.32 LT	UT-RMV-03		10		
SR-37 (1800 North)	256+84.70	37.93 LT	256+84.70	37.93 LT	UT-RMV-03	1			
SR-37 (1800 North)	258+35.03	41.96 LT	258+35.03	41.96 LT	UT-RMV-03	1			
SR-37 (1800 North)	262+34.36	08.17 LT	262+34.36	08.17 LT	UT-RMV-03	1			
SR-37 (1800 North)	264+00.00	08.32 LT	266+34.95	09.07 LT	UT-RMV-04		3		
SR-37 (1800 North)	266+34.98	09.09 LT	266+34.98	09.09 LT	UT-RMV-04	1			
TOTAL						6	21	101	

REGION 1 8-JUL-2024 17:16 nweinkauf DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682 SMU-47.dgn

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY NEW

QC CHECKED BY KNC

7/8/2024 DATE

APPROVED

PROFESSIONAL ENGINEER

PROJECT I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER S-I15-8(157)336

PIN 15682

UTILITY SUMMARY

SHEET NO. SMU-47

EXHIBIT F
15682_CLINTON CITY PROJECT REQUIRED RELOCATION VS PROJECT DESIGN
PROJECT DESIGN - RED
PROJECT REQUIRED RELOCATION - GREEN

Table 4

Culinary and Secondary Water Pipe Bedding and Pipe Zone Gradation	
Sieve Size	**Percent Passing**
¾ inch	100
No. 4	80-100
No. 10	30-50
No. 40	10-30
No. 200	7-15

2. Embankment/native materials may not be used.

J. Culinary and Secondary Water Pipe - Trench Zone Backfill
   1. Classification A-1. Refer to AASHTO M145.
      a. Well-graded material.
      b. Maximum aggregate size is 2 inches.
   2. Flowable fill. Refer to Section 03575.
   3. Other materials or trench configurations may be used when authorized.
      a. Native materials
      b. Uniformly graded materials enclosed in an appropriate drainage geotextile

K. Vertical Culinary and Secondary Water System Components (Valves, Fire Hydrants, Vaults, Manholes, Meter Boxes, etc.)
   1. Refer to Free-Draining Granular Backfill, this Section (where shown on details).
   2. Refer to Granular Backfill Borrow, this Section.

Add the following to Article 3.1, Paragraph E:

5. Culinary and Secondary Water Pipe, Pipe Zone Bedding and Backfill
   a. Compact each lift to a minimum average of 96 percent of maximum laboratory density with no single determination lower than 92 percent.
      1) Use AASHTO T 180 Method D (Modified Proctor) for A-1 soils and AASHTO T 99 Method D (Proctor) for all other soils to establish maximum laboratory density.
      2) Maintain appropriate moisture for compaction during processing.
6. Culinary and Secondary Water Pipe, Trench Zone Backfill

a. Compact each lift to a minimum average of 92 percent maximum laboratory density with no single determination less than 90 percent.
   1) Use AASHTO T 180 Method D for A-1 soils.
   2) Maintain appropriate moisture for compaction during processing.

b. Meet the pavement section material density requirement for pipes that encroach into the pavement section or use flowable fill.

Add the following to Article 3.1:

G. Culinary and Secondary Water Pipes and Structures Excavation, Stabilization, and Foundation
   1. This paragraph supersedes Paragraph F of this Article for Work related to culinary and secondary water pipes and structures.
   2. Excavation of soil deemed Unsuitable Material due to its water content preventing appropriate compaction in the bottom of the trench and placement of foundation materials to stabilize the bottom of the excavation is included in the Work.
   3. Excavate to a depth necessary to stabilize the bottom of the trench or excavation and to allow placement and proper compaction of the first layer of the material upon which the utility or structure will rest.
   4. Stabilize the bottom of the excavation using one or more of the following methods:
      a. Place stabilization fabric at the bottom of the excavation and backfill with granular backfill borrow up to the bottom of the layer of material upon which the pipe or structure will rest.
      b. Press cobble rock into the subgrade soils. Press rock into the soil and remove excess rock so there are no voids between rocks.
      c. Contractor may propose other methods.
   5. There is not a specific foundation compaction requirement. The bottom of the trench or excavation must be stabilized (firm and non-yielding) prior to placement of the first layer of the material upon which the utility or structure will rest.

Add the following to Part 3:

3.7 CULINARY AND SECONDARY WATER PIPE FOUNDATION, BEDDING, AND BACKFILL PLACEMENT

A. Place in 6 inch layers (uncompacted depth) and compact to the density requirement.

B. Place uniform layers of pipe zone backfill on both sides of the pipe and compact to the density requirement before placing successive lifts.

C. Fully compact the haunch areas.

3.8 ADDITIONAL PREPARATION OF SOFT SUBGRADE AREAS

A. After clearing, proof roll the subgrade using a loaded Caterpillar 966 loader or similar rubber-tired equipment authorized by the Engineer.
   1. Conduct proof rolling under the observation of the Engineer.
   2. Do not proof roll areas where the subgrade is already known to be soft and unable to support placement and compaction of embankment.
   3. Drive slowly over the subgrade with the wheel paths staggered on successive passes.
   4. Identify areas of soft or pumping subgrade and/or severe rutting.

B. Where clearing, proof rolling, or other activities identify areas of soft or loose subgrade.
   1. Stabilize soft subgrade using a method selected from the Project Drawings and authorized by the Engineer.
      a. Refer Section 02411S.
   2. Excavate existing poorly compacted fill as directed by the Engineer and replace with fill meeting the material and compaction requirements of the embankment which will be placed over the area.
      a. Re-use suitable excavated fill materials to backfill excavations and construct embankments.

C. Coordinate construction activities, haul routes, equipment types, and fill placement methods to avoid unnecessary disturbance of soft subgrade areas by repeated heavy wheel loads.

END OF SECTION

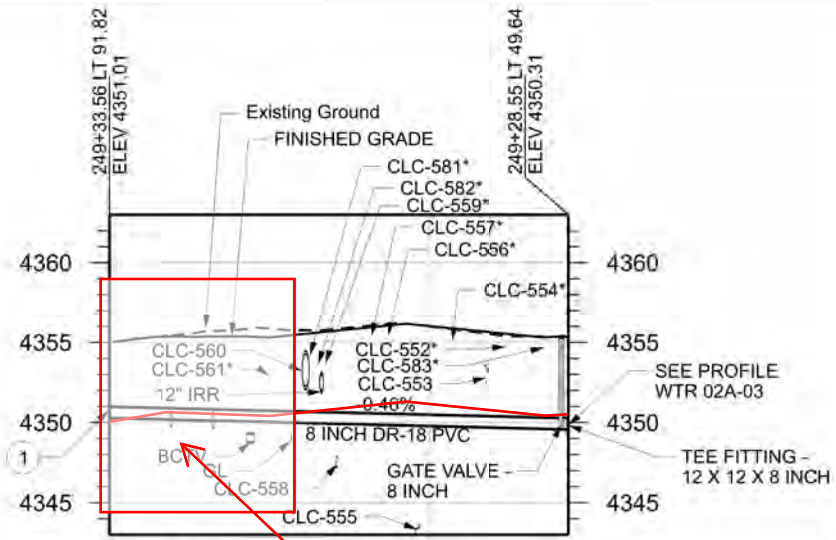
EXHIBIT G

I-15; 1800 NORTH INTERCHANGE - UTILITY DEVIATION

S-I15-8(157)336

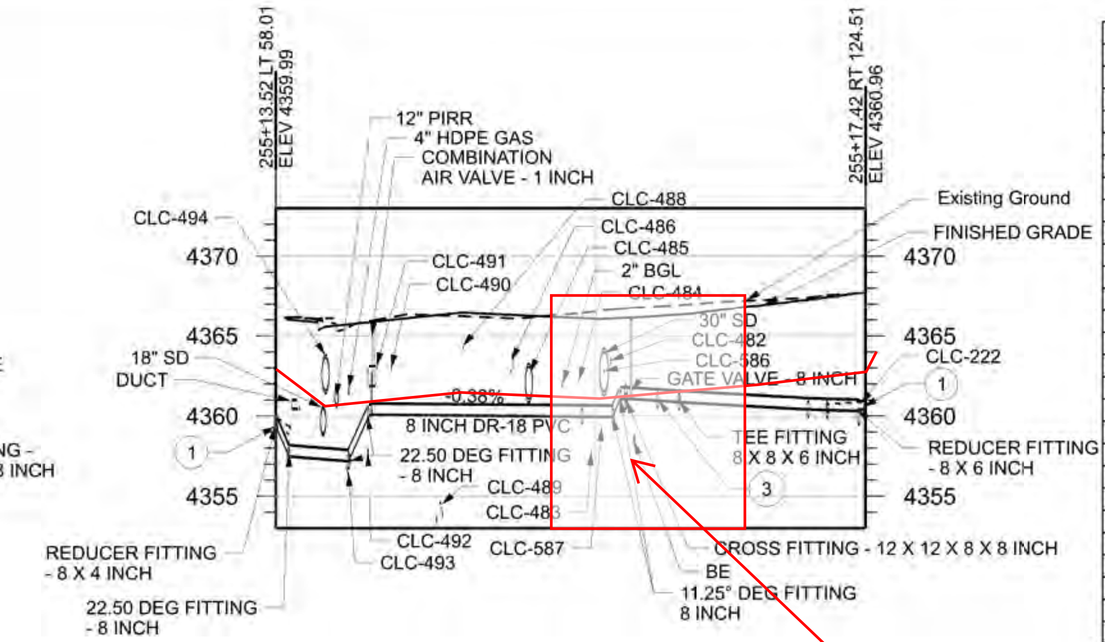
OWNER	DEVIATION	STATION FROM	STATION TO	DEVIATION	REQUIREMENT	DESIGN (MIN)	UTILITY TYPE	Sheet No.	Notes
CLINTON	UB0201	254+67.21 LT 06.47	255+10.10 RT 69.80	PERPENDICULAR CROSSING	N/A	N/A	Pipe	UT-B-02	Required to tie into existing swr line
CLINTON	UA0203	249+73.49 RT 49.52	256+00.00 RT 49.57	DEPTH OF BURY	5 FT	4 FT	Pipe	UT-A-02	WTR 02A-03, Utility conflicts
CLINTON	UA0201	249+33.56 LT 91.82	249+28.55 LT 49.64	DEPTH OF BURY	5 FT	4 FT	Pipe	UT-A-02	WTR 02A-01, Required to tie into existing wtr line
CLINTON	UA0202	255+13.52 LT 58.01	255+17.42 RT 124.51	DEPTH OF BURY	5 FT	4 FT	Pipe	UT-A-02	WTR 02A-02, Required to tie into existing wtr line
CLINTON	UA0301	257+29.13 LT 59.49	257+36.54 LT 56.55	DEPTH OF BURY	5 FT	4.5 FT	Pipe	UT-A-03	WTR 03A-01, Required to tie into existing wtr line
CLINTON	UA0302	257+34.34 LT 67.63	257+35.06 RT 48.50	DEPTH OF BURY	5 FT	4.5 FT	Pipe	UT-A-03	WTR 03A-02, Looping over utility conflicts
CLINTON	UA0303	262+27.07 LT 47.50	262+25.68 RT 52.11	DEPTH OF BURY	5 FT	4.5 FT	Pipe	UT-A-03	WTR 03A-03, SWR/WTR separation requirements.
CLINTON	UA0304	256+00.00 RT 49.57	264+00.00 RT 52.00	DEPTH OF BURY	5 FT	4 FT	Pipe	UT-A-03	WTR 03B-02, Routing around utilities
CLINTON	UA0401	268+24.15 LT 206.04	268+23.51 RT 140.50	DEPTH OF BURY	5 FT	3 FT	Pipe	UT-A-04	WTR 04A-01, Required to tie into existing wtr line
CLINTON	UA0402	268+24.15 LT 206.04	268+23.51 RT 140.50	DEPTH OF BURY	5 FT	4 FT	Pipe	UT-A-04	WTR 04A-01, Required to tie into existing wtr line
CLINTON	UA0403	264+00.00 RT 52.00	272+00.00 RT 52.00	DEPTH OF BURY	5 FT	4.5 FT	Pipe	UT-A-04	WTR 04A-02, Connecting to existing wtr line
CLINTON	UA0501	272+47.00 LT 47.50	274+47.00 RT 52.00	DEPTH OF BURY	5 FT	4.5 FT	Pipe	UT-A-05	WTR 05A-01, Routing around utilities.
CLINTON	UA0502	272+99.86 RT 52.00	273+06.68 RT 98.81	DEPTH OF BURY	5 FT	3.5 FT	Pipe	UT-A-05	WTR 05A-02, Required to tie into existing wtr line
CLINTON	UA0503	272+00.00 RT 52.00	280+00.00 RT 52.09	DEPTH OF BURY	5 FT	4 FT	Pipe	UT-A-05	WTR 05A-04, Required to tie into existing wtr line
CLINTON	UA0504	278+89.48 RT 52.00	278+92.11 RT 95.12	DEPTH OF BURY	5 FT	4 FT	Pipe	UT-A-05	WTR 05B-01, Avoiding conflict with SD.
CLINTON	UA0601	284+31.27 LT 113.45	284+24.26 RT 52.00	DEPTH OF BURY	5 FT	4 FT	Pipe	UT-A-06	WTR 06A-03, Tie into existing
CLINTON	UA0602	280+00.00 RT 52.09	288+00 RT 52.06	DEPTH OF BURY	4 FT	3.5 FT	Pipe	UT-A-06	WTR 06A-04, Routing around utility conflicts
CLINTON	UA0603	280+00.00 RT 52.09	288+00 RT 52.06	DEPTH OF BURY	5 FT	3.5 FT	Pipe	UT-A-06	WTR 06A-04, Intersection utility conflicts. SWR/WTR separation
CLINTON	UA0604	280+00.00 RT 52.09	288+00 RT 52.06	DEPTH OF BURY	4 FT	3.5 FT	Pipe	UT-A-06	WTR 06A-04, Routing around conflicts. Deflection of joints design limitation.
CLINTON	UA0701	294+46.37 LT 155.36	293+38.60 RT 53.35	PERPENDICULAR CROSSING	N/A	N/A	Pipe	UT-A-07	WTR 07B-03, Required to tie into existing wtr line
CLINTON	UA0702	288+00.65 LT 47.49	288+01.15 RT 52.06	DEPTH OF BURY	5 FT	3.5 FT	Pipe	UT-A-07	WTR 07A-01, Looping around utility conflicts
CLINTON	UA0703	294+57.54 RT 54.50	294+69.73 RT 171.69	DEPTH OF BURY	5 FT	4 FT	Pipe	UT-A-07	WTR 07A-03, Required to tie into existing wtr line
CLINTON	UA0704	288+00 RT 52.05	293+43.97 RT 58.72	DEPTH OF BURY	4 FT	3 FT	Pipe	UT-A-07	WTR 07A-05, Deflection at joints design limitation
CLINTON	UA0705	290+47.48 LT 47.50	290+47.23 RT 58.50	DEPTH OF BURY	5 FT	4 FT	Pipe	UT-A-07	WTR 07B-01, Tie-in with existing waterline
CLINTON	UA0706	293+71.94 RT 58.54	295+67.53 RT 54.29	DEPTH OF BURY	5 FT	4.5 FT	Pipe	UT-A-07	WTR 07B-02, SWR/WTR separation requirement.
CLINTON	UA0801	298+58.87 LT 157.16	298+55.36 LT 86.03	DEPTH OF BURY	4 FT	3 FT	Pipe	UT-A-08	WTR 08A-03, Required to tie into existing wtr line
CLINTON	UA0802	296+16.34 RT 52.70	304+00.00 RT 61.94	DEPTH OF BURY	5 FT	3 FT	Pipe	UT-A-08	WTR 08B-04, Looping around utilities. Trapped air design requirements.
CLINTON	UA0901	309+48.02 RT 154.76	309+48.12 RT 158.75	PERPENDICULAR CROSSING	N/A	N/A	Pipe	UT-A-09	WTR 09A-02, Tie-in with existing
CLINTON	UA0902	309+36.65 LT 84.07		DEPTH OF BURY	5 FT	3.5 FT	Pipe	UT-A-09	WTR 09A-01, Tie-in with existing
CLINTON	UA0903		309+48.12 RT 158.75	DEPTH OF BURY	5 FT	4 FT	Pipe	UT-A-09	WTR 09A-02, Tie-in with existing
CLINTON	UA0904	304+00.00 RT 61.94	312+00.00 RT 81.30	DEPTH OF BURY	5 FT	3 FT	Pipe	UT-A-09	WTR 09A-03, Routing to avoid conflicts. Trapped air design requirements.
CLINTON	UA0905	304+00.00 RT 61.94	312+00.00 RT 81.30	DEPTH OF BURY	5 FT	4 FT	Pipe	UT-A-09	WTR 09A-03, deflection of joints design limitation
CLINTON	UA0906	304+85.00 LT 210.95	304+61.67 RT 110.70	DEPTH OF BURY	5 FT	3 FT	Pipe	UT-A-09	WTR 09B-01, looping around existing utilities
CLINTON	UA0907	304+85.98 LT 161.41	312+00.00 LT 81.16	DEPTH OF BURY	5 FT	4 FT	Pipe	UT-A-09	WTR 09B-02, SWR/WTR separation requirements. Trapped air design requirements.
CLINTON	UA1001		312+71.13 RT 146.54	DEPTH OF BURY	5 FT	3.5 FT	Pipe	UT-A-10	WTR 10A-01, Required to tie into existing wtr line
CLINTON	UA1002		315+81.76 LT 78.72	DEPTH OF BURY	5 FT	3.5 FT	Pipe	UT-A-10	WTR 10A-02, Required to tie into existing wtr line
CLINTON	UA1003	312+00.00 RT 81.30	320+00.00 RT 81.53	DEPTH OF BURY	5 FT	3 FT	Pipe	UT-A-10	WTR 10A-03, Looping around conflicts. Trapped air design requirement.
CLINTON	UA1004		314+48.36 RT 90.00	DEPTH OF BURY	5 FT	4 FT	Pipe	UT-A-10	WTR 10A-04, Tying in with main trunkline.
CLINTON	UA1005	318+99.49 LT 177.81	318+96.37 RT 201.36	DEPTH OF BURY	5 FT	3.5 FT	Pipe	UT-A-10	WTR 10A-05, Required to tie into existing wtr line
CLINTON	UA1006	312+00.00 LT 81.16	318+87.97 LT 77.45	DEPTH OF BURY	5 FT	4 FT	Pipe	UT-A-10	WTR 10B-03, Deflection of joints limitation on running line.
CLINTON	UA1007		319+37.06 LT 95.25	DEPTH OF BURY	5 FT	4.5 FT	Pipe	UT-A-10	WTR 10B-04, Required to tie into existing wtr line
CLINTON	UA1101	322+06.05 RT 75.09	328+00.00 RT 75.14	PERPENDICULAR CROSSING	N/A	N/A	Pipe	UT-A-11	WTR 11A-01, Required for Rail Crossing
CLINTON	UA1102	322+06.05 RT 75.09	328+00.00 RT 75.14	DEPTH OF BURY	5 FT	4 FT	Pipe	UT-A-11	WTR 11A-01, SWR/WTR separation requirements
CLINTON	UA1201	328+00.00 RT 91.14	334+36.14 RT 83.98	DEPTH OF BURY	5 FT	4 FT	Pipe	UT-A-12	WTR 12A-01, SWR/WTR separation requirements
CLINTON	UA1202	328+00.00 RT 91.14	334+36.14 RT 83.98	DEPTH OF BURY	5 FT	4 FT	Pipe	UT-A-12	WTR 12A-01, Tie in with trunk line
CLINTON	UA1203	331+23.12 LT 92.35	331+28.25 RT 116.48	DEPTH OF BURY	5 FT	3.5 FT	Pipe	UT-A-12	WTR 12A-02, Required to tie into existing wtr line
CLINTON	UA1204	334+24.26 LT 94.04	334+22.15 RT 107.77	DEPTH OF BURY	5 FT	3.5 FT	Pipe	UT-A-12	WTR 12A-03, Required to tie into existing wtr line
CLINTON	UA1205	328+00.00 RT 75.14	336+00.00 RT 68.75	DEPTH OF BURY	4 FT	3.5 FT	Pipe	UT-A-12	WTR 12C-01, isolated variation in topo
CLINTON	UA1206	328+00.00 RT 75.14	336+00.00 RT 68.75	DEPTH OF BURY	5 FT	4 FT	Pipe	UT-A-12	WTR 12C-01, Clearance with other utilities.
CLINTON	UA1402	344+00.00 RT 77.00	352+00.00 RT 75.40	DEPTH OF BURY	4 FT	3 FT	Pipe	UT-A-14	WTR 14AB-02, SWR/WTR clearance
CLINTON	UA1501	358+69.63 LT 381.24	359+14.02 LT 78.00	DEPTH OF BURY	3 FT	1 FT	Pipe	UT-A-15	WTR 15B-03, Water tank drain line. Limited by upstream/downstream tie in points. Air gap requriements.
CLINTON	UA1502	352+55.07 LT 252.02	358+08.37 RT 88.07	DEPTH OF BURY	4 FT	3 FT	Pipe	UT-A-15	WTR 15B-01, Limited variation in terrain

EXHIBIT G



PROFILE WTR 02A-01

DEV: UA0201
DEPTH OF BURY

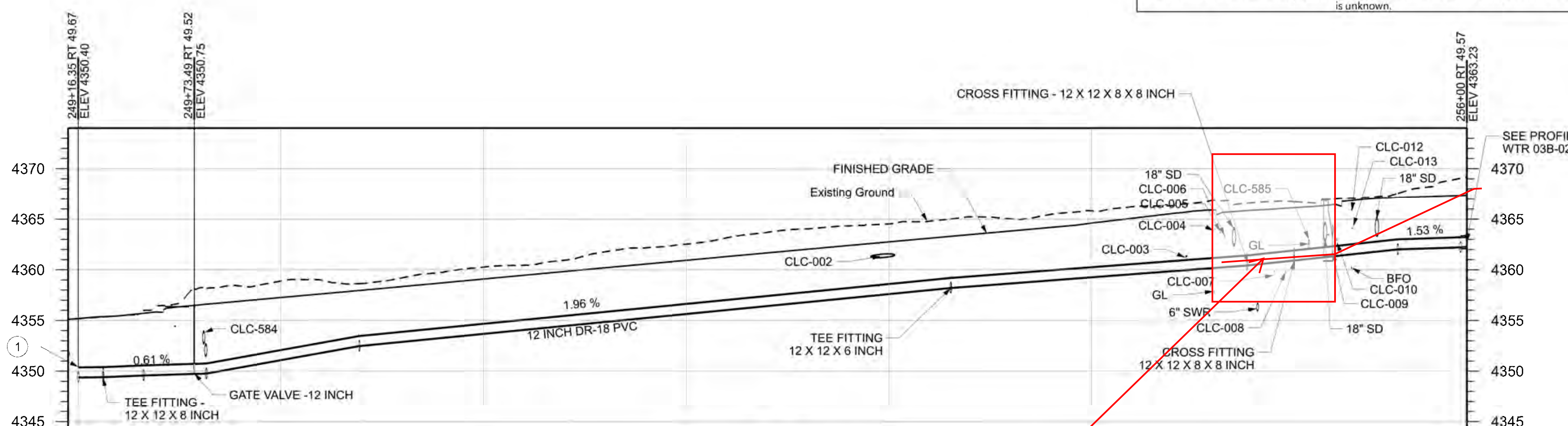


PROFILE WTR 02A-02

DEV: UA0202
DEPTH OF BURY

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-002	RMP	be		No Vertical Conflict
CLC-003	RMP	be		Loop Existing Utility - Vertical
CLC-004	CenturyLink	btel		No Vertical Conflict
CLC-005	Private	be		No Vertical Conflict
CLC-006	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-007	Clinton City	swr	6 inch	No Vertical Conflict
CLC-008	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-009	Clinton City	sd	18 inch	Remove Existing Utility
CLC-010	CenturyLink	bfo		No Vertical Conflict
CLC-012	Utopia	bfo		Remove Existing Utility
CLC-013	Comcast	bctv		Remove Existing Utility
CLC-222	Clinton City	wtr	6 inch	Connect to Existing Utility
CLC-482	RMP	be		No Vertical Conflict
CLC-483	RMP	be		Remove Existing Utility
CLC-484	CenturyLink	bfo		No Vertical Conflict
CLC-485	Clinton City	sd	24 inch	Remove Existing Utility
CLC-486	DWCCC	irr	12 inch	No Vertical Conflict
CLC-488	CenturyLink	btel		Remove Existing Utility
CLC-489	NDSD	swr	21 inch	No Vertical Conflict
CLC-490	CenturyLink	bfo		No Vertical Conflict
CLC-491	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-492	Clinton City	swr	8 inch	No Vertical Conflict
CLC-493	Clinton City	wtr	unk	Remove Existing Utility
CLC-494	LDS Church	irr	24 inch	Remove Existing Utility
CLC-552	Clinton City	sd	24 inch	No Vertical Conflict
CLC-553	LDS Church	irr	12 inch	No Vertical Conflict
CLC-554*	Century Link	btel		No Vertical Conflict
CLC-555	NDSD	swr	21 inch	No Vertical Conflict
CLC-556	CenturyLink	bfo		No Vertical Conflict
CLC-557*	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-558	NDSD	swr	8 inch	No Vertical Conflict
CLC-559*	Clinton City	wtr	14 inch	Remove Existing Utility
CLC-560	DWCCC	irr	24 inch	Remove Existing Utility
CLC-561*	CenturyLink	btel		No Vertical Conflict
CLC-581*	CenturyLink	bfo		No Vertical Conflict
CLC-582	Utopia	bfo		No Vertical Conflict
CLC-583*	RMP	be		Loop Existing Utility - Vertical
CLC-584	Clinton City	sd	12 inch	Remove Existing Utility
CLC-585	Dominion Energy	gas		No Vertical Conflict
CLC-586	Dominion Energy	gas		No Vertical Conflict
CLC-587	Clinton City	wtr	6 inch	Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.



PROFILE WTR 02A-03

DEV: UA0203
DEPTH OF BURY

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

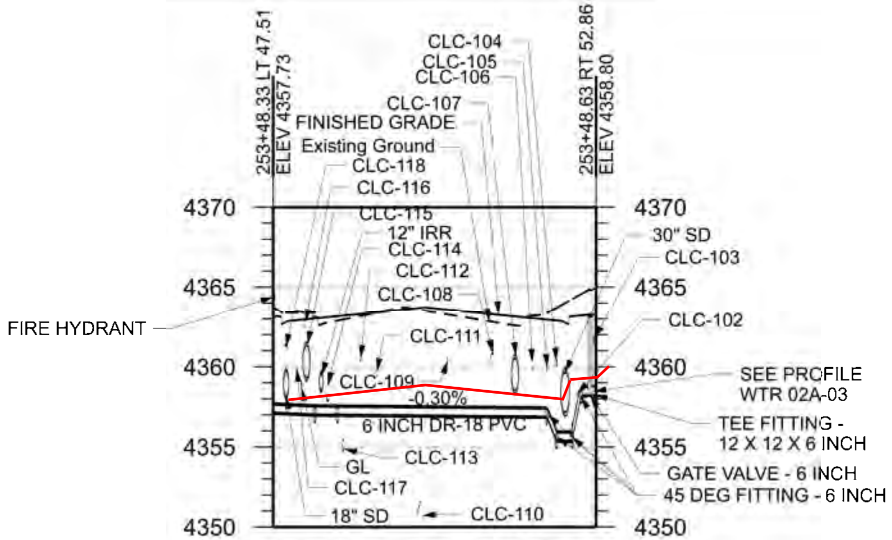
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

REVISIONS | REMARKS | NO. | DATE | APPROVED BY

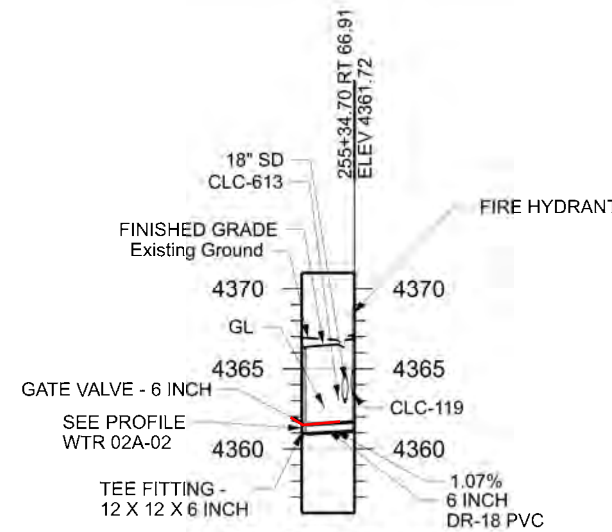
DRAWN BY: JMM
QC CHECKED BY: CAS
DATE: 5/14/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN: 15682
PROJECT NUMBER: S-I15-8(157)336
WTR PROFILE
SHEET NO. UT-A-02A

EXHIBIT G



PROFILE WTR 02B-01



PROFILE WTR 02B-02

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-102	RMP	be		Adjust Existing Utility
CLC-103	RMP	be		No Vertical Conflict
CLC-104	CenturyLink	btel	4 inch	Remove Existing Utility
CLC-105	CenturyLink	bfo	4 inch	No Vertical Conflict
CLC-106	Private	be	4 inch	No Vertical Conflict
CLC-107	Clinton City	sd	24 inch	Remove Existing Utility
CLC-108	DWCCC	irr	12 inch	Remove Existing Utility
CLC-109	CenturyLink	btel		Remove Existing Utility
CLC-110	NDSD	swr	21 inch	No Vertical Conflict
CLC-111	CenturyLink	bfo	4 inch	No Vertical Conflict
CLC-112	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-113	Clinton City	swr	8 inch	No Vertical Conflict
CLC-114	Clinton City	wtr	14 inch	Remove Existing Utility
CLC-115	LDS Church	irr	24 inch	No Vertical Conflict
CLC-116	Comcast	bctv		No Vertical Conflict
CLC-117	RMP	be	4 inch	No Vertical Conflict
CLC-118	CenturyLink	btel		No Vertical Conflict
CLC-119	Clinton City	sd	18 inch	Remove Existing Utility
CLC-613	Dominion Energy	gas		No Vertical Conflict
*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.				

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS

NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY JMM

QC CHECKED BY CAS

5/14/2024 DATE

APPROVED

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

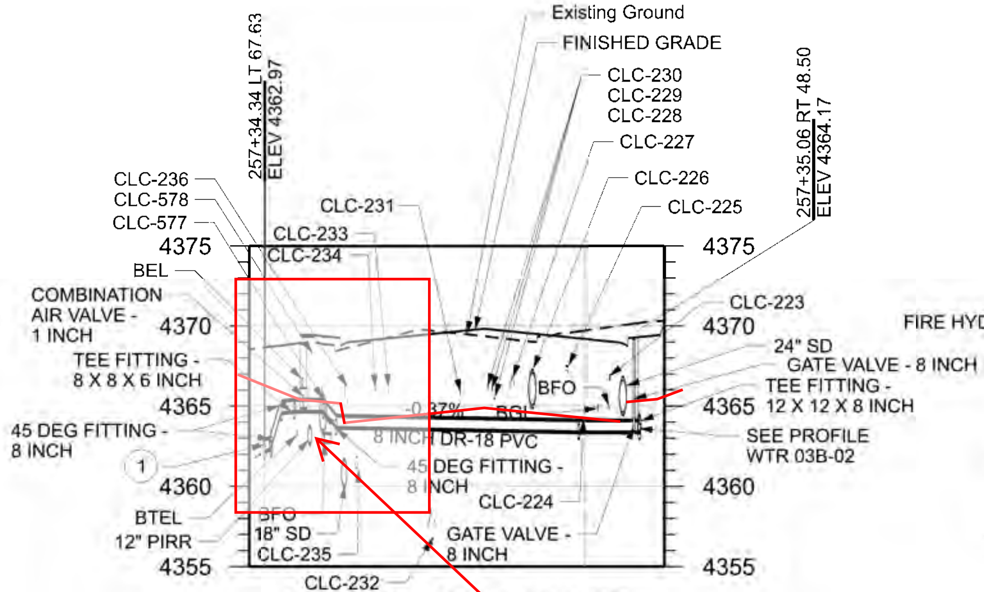
PIN 15682

PROJECT NUMBER S-I15-8(157)336

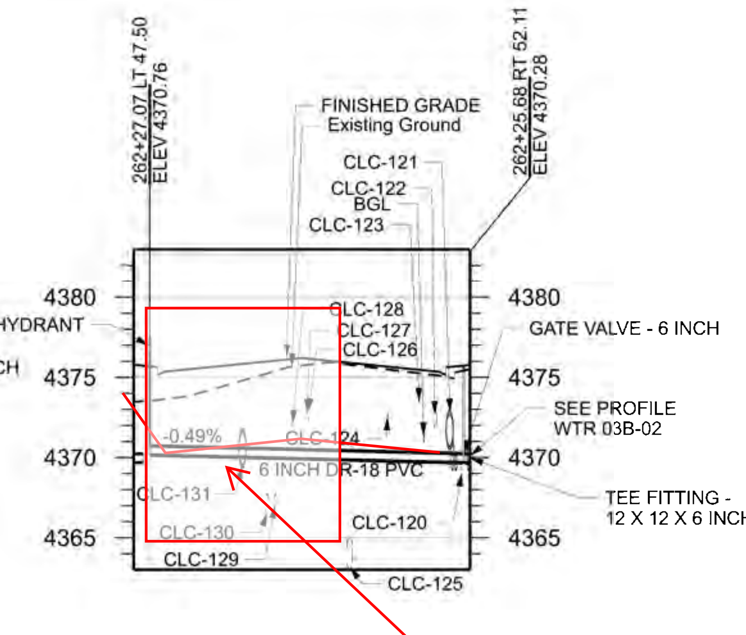
WTR PROFILE

SHEET NO. UT-A-02B

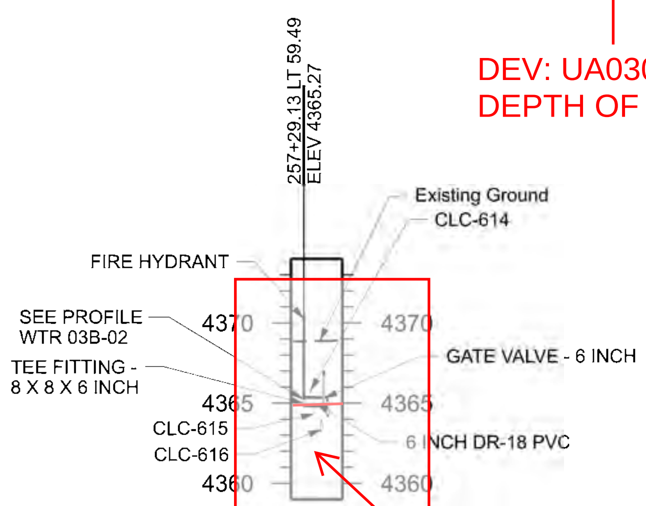
EXHIBIT G



PROFILE WTR 03A-02



PROFILE WTR 03A-03



PROFILE WTR 03A-01

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-120	Utopia	bfo		Remove Existing Utility
CLC-121	Clinton City	sd	24 inch	Remove Existing Utility
CLC-122	DWCCC	irr	12 inch	Remove Existing Utility
CLC-123	CenturyLink	btel		Remove Existing Utility
CLC-124	CenturyLink	btel		No Vertical Conflict
CLC-125	NDSD	swr	21 inch	No Vertical Conflict
CLC-126	CenturyLink	bfo		No Vertical Conflict
CLC-127	CenturyLink	btel		No Vertical Conflict
CLC-128	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-129	Clinton City	swr	8 inch	No Vertical Conflict
CLC-130	Clinton City	wtr	14 inch	Remove Existing Utility
CLC-131	LDS Church	irr	24 inch	Remove Existing Utility
CLC-223	RMP	be		No Vertical Conflict
CLC-224	Utopia	bfo		Remove Existing Utility
CLC-225	Comcast	bctv		Remove Existing Utility
CLC-226	Clinton City	sd	24 inch	Remove Existing Utility
CLC-227	DWCCC	irr	12 inch	Remove Existing Utility
CLC-228	CenturyLink	btel		Remove Existing Utility
CLC-229	CenturyLink	btel		Protect in Place Existing Utility
CLC-230	CenturyLink	btel		Protect in Place Existing Utility
CLC-231	CenturyLink	btel		Remove Existing Utility
CLC-232	NDSD	swr	21 inch	No Vertical Conflict
CLC-233	CenturyLink	bfo		No Vertical Conflict
CLC-234	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-235	Clinton City	swr	8 inch	No Vertical Conflict
CLC-236	Clinton City	wtr	unk	Remove Existing Utility
CLC-577	LDS Church	irr	24 inch	Remove Existing Utility
CLC-578	COM	bctv		No Vertical Conflict
CLC-614	Dominion Energy	gas		No Vertical Conflict
CLC-615	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-616	Clinton City	wtr	8 inch	Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS

NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY: JMM

QC CHECKED BY: CAS

DATE: 5/14/2024

APPROVED

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

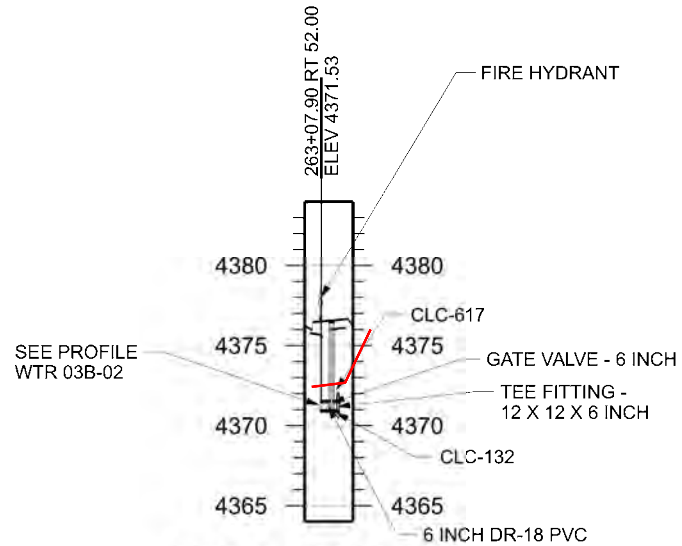
PIN: 15682

PROJECT NUMBER: S-I15-8(157)336

WTR PROFILE

SHEET NO. UT-A-03A

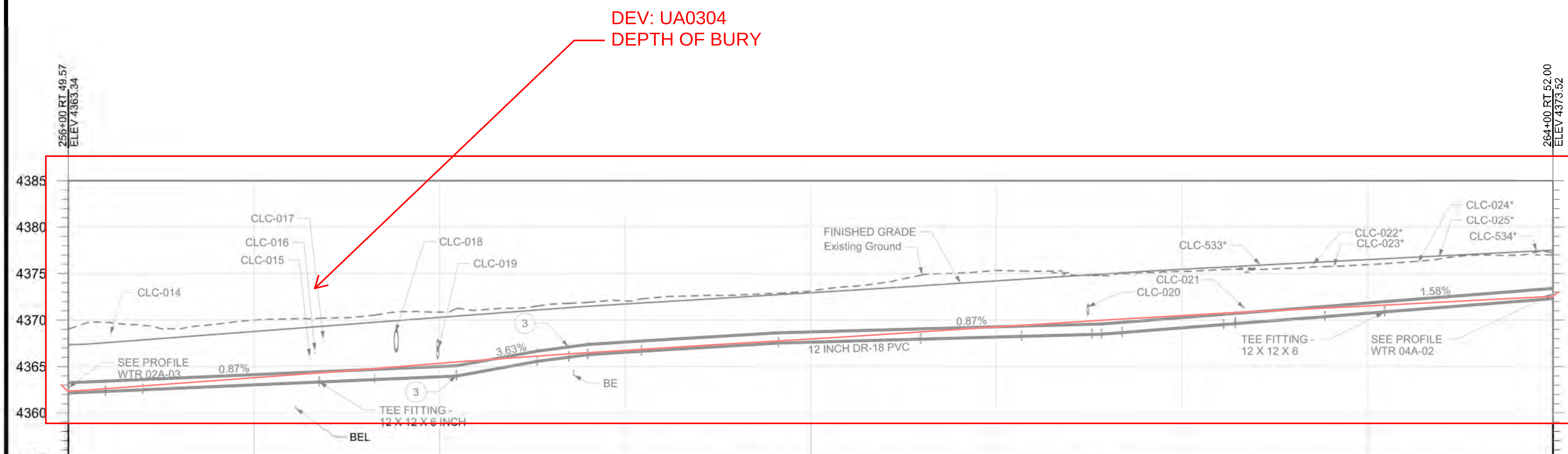
EXHIBIT G



PROFILE WTR 03B-01

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-014	Comcast	bctv		No Vertical Conflict
CLC-015	RMP	be		No Vertical Conflict
CLC-016	CenturyLink	btel		No Vertical Conflict
CLC-017	Comcast	bctv		No Vertical Conflict
CLC-018	Clinton City	sd	24 inch	No Vertical Conflict
CLC-019	Clinton City	sd	10 inch	No Vertical Conflict
CLC-020	Clinton City	sd	10 inch	No Vertical Conflict
CLC-021	CenturyLink	btel		Loop Existing Utility - Vertical
CLC-022*	Clinton City	wtr	.75 inch	Remove Existing Utility
CLC-023*	DWCCC	irr	1 inch	Remove Existing Utility
CLC-024*	DWCCC	irr	1 inch	Remove Existing Utility
CLC-025*	Clinton City	wtr	.75 inch	Remove Existing Utility
CLC-132	Utopia	bfo	.75 inch	Remove Existing Utility
CLC-533*	RMP	epp	1 inch	Remove Existing Utility
CLC-534*	RMP	epp	1 inch	Remove Existing Utility
CLC-617	Clinton City	sd	24 inch	Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.



PROFILE WTR 03B-02

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

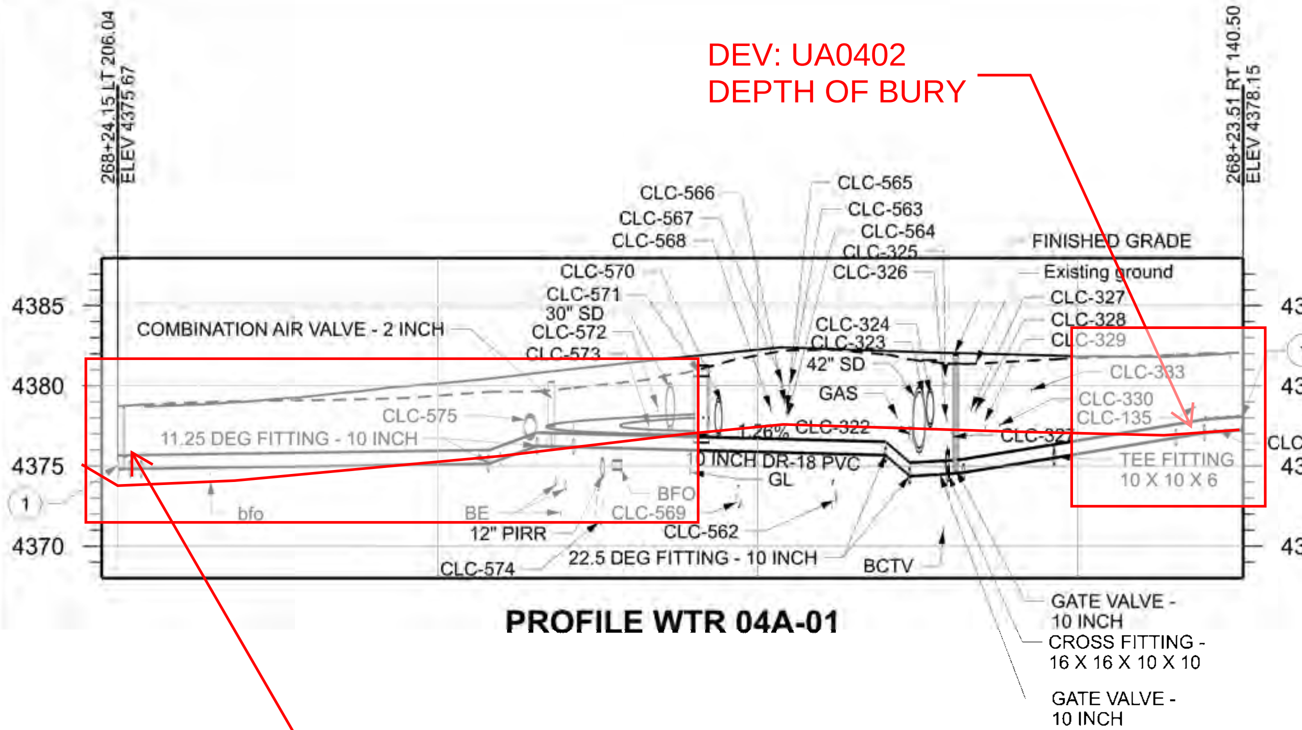
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY JMM
QC CHECKED BY CAS
DATE 5/14/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN 15682
WTR PROFILE

SHEET NO. UT-A-03B

EXHIBIT G



PROFILE WTR 04A-01

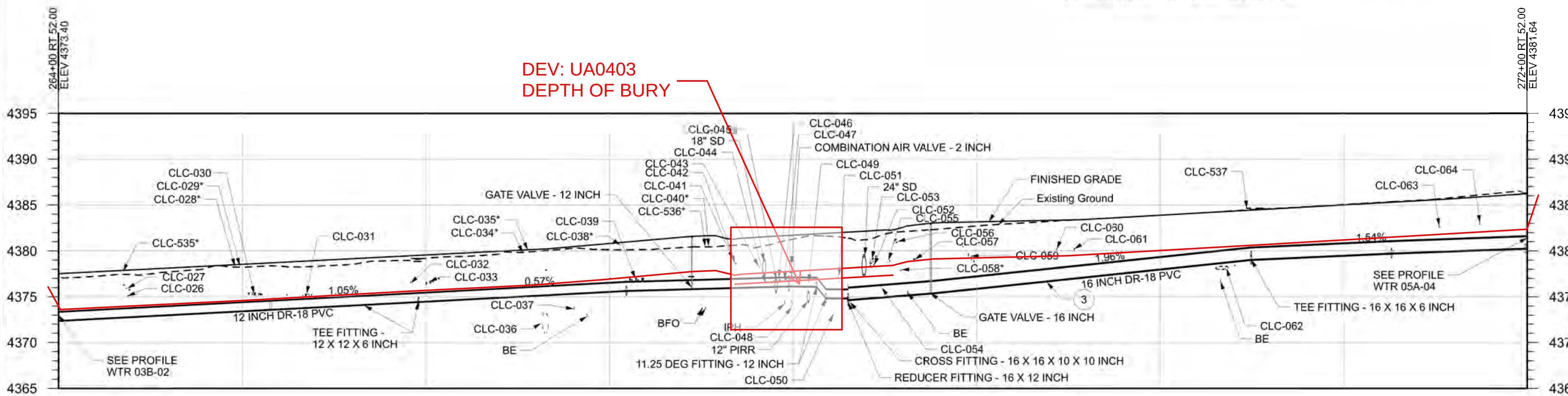
Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-026	CenturyLink	btel		Protect in Place Existing Utility
CLC-027	Comcast	bctv		No Vertical Conflict
CLC-028*	Clinton City	wtr	.75 inch	Remove Existing Utility
CLC-029*	DWCCC	irr	1 inch	Remove Existing Utility
CLC-030	Comcast	bctv		Remove Existing Utility
CLC-031	Comcast	bctv		Adjust Existing Utility
CLC-032	RMP	be		Remove Existing Utility
CLC-033	Comcast	bctv		Remove Existing Utility
CLC-034*	Clinton City	wtr	unk	Abandon Existing Utility
CLC-035*	DWCCC	irr	1 inch	Remove Existing Utility
CLC-036	NDSD	swr	21 inch	No Vertical Conflict
CLC-037	Clinton City	wtr	.75 inch	Abandon Existing Utility
CLC-038*	DWCCC	irr	1 inch	Remove Existing Utility
CLC-039	Comcast	bctv		Adjust Existing Utility
CLC-040		irr	unk	Abandon Existing Utility
CLC-041	CenturyLink	btel		No Vertical Conflict
CLC-042	CenturyLink	btel		No Vertical Conflict
CLC-043	CenturyLink	btel		No Vertical Conflict
CLC-044	Comcast	bctv		Adjust Existing Utility
CLC-045	Clinton City	sd	15 inch	Remove Existing Utility
CLC-046	Dominion Energy	gas	3 inch	Loop Existing Utility - Vertical
CLC-047	Comcast	bctv		Loop Existing Utility - Vertical
CLC-048	Clinton City	swr	8 inch	No Vertical Conflict
CLC-049	DWCCC	irr	12 inch	No Vertical Conflict
CLC-050	Dominion Energy	gas	6 inch	Protect in Place Existing Utility
CLC-051	Clinton City	wtr	10 inch	Remove Existing Utility
CLC-052	Comcast	bctv		No Vertical Conflict
CLC-053	CenturyLink	btel		No Vertical Conflict
CLC-054	UDOT	be		Loop Existing Utility - Vertical
CLC-055	CenturyLink	btel		No Vertical Conflict
CLC-056	Utopia	bfo		No Vertical Conflict
CLC-057	Comcast	bctv		No Vertical Conflict
CLC-058*	Clinton City	wtr	1.5 inch	Abandon Existing Utility
CLC-059	CenturyLink	btel		No Vertical Conflict

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-060	Comcast	bctv		No Vertical Conflict
CLC-061	Comcast	bctv		No Vertical Conflict
CLC-062	CenturyLink	btel		Adjust Existing Utility
CLC-063	Comcast	bctv		No Vertical Conflict
CLC-064	Comcast	bctv		No Vertical Conflict
CLC-135	CenturyLink	btel		Remcve Existing Utility
CLC-322	DWCCC	irr	12 inch	Remcve Existing Utility
CLC-323	CenturyLink	btel		Remcve Existing Utility
CLC-324	Clinton City	sd	24 inch	Remcve Existing Utility
CLC-325	Utopia	bfo		No Vertical Conflict
CLC-326	Comcast	bctv		No Vertical Conflict
CLC-327	CenturyLink	btel		No Vertical Conflict
CLC-328	CenturyLink	btel		No Vertical Conflict
CLC-329	UDOT	be		No Vertical Conflict
CLC-330	Clinton City	wtr	6 inch	Abandon Existing Utility
CLC-331	Clinton City	wtr	10 inch	Connect to Existing Utility
CLC-333	Dominion Energy	gas	unk	No Vertical Conflict
CLC-535*	CenturyLink	btel ped		Remcve Existing Utility
CLC-536*	DWCCC	irr av		Remcve Existing Utility
CLC-537	RMP	epp		Remcve Existing Utility
CLC-562	NDSD	swr	18 inch	No Vertical Conflict
CLC-563		btel	4 inch	No Vertical Conflict
CLC-564		btel	4 inch	No Vertical Conflict
CLC-565		bfo	6 inch	No Vertical Conflict
CLC-566		btel	4 inch	No Vertical Conflict
CLC-567		btel	4 inch	No Vertical Conflict
CLC-568	Dominion Energy	gas	2 inch	Remcve Existing Utility
CLC-569	Clinton City	wtr	unk	Remcve Existing Utility
CLC-570	LDS Church	irr	24 inch	Remcve Existing Utility
CLC-571	Clinton City	sd	15 inch	Remcve Existing Utility
CLC-572		bfo	4 inch	Remcve Existing Utility
CLC-573	UDOT	be		No Vertical Conflict
CLC-574	Clinton City	swr	21 inch	No Vertical Conflict
CLC-575	Clinton City	sd	15 inch	Remcve Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.



PROFILE WTR 04A-02

CLINTON CULINARY WATER

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

DRAWN BY: JMM

QC CHECKED BY: CAS

DATE: 5/14/2024

PROFESSIONAL ENGINEER

APPROVED

PROJECT: I-15; 1800 NORTH INTERCHANGE

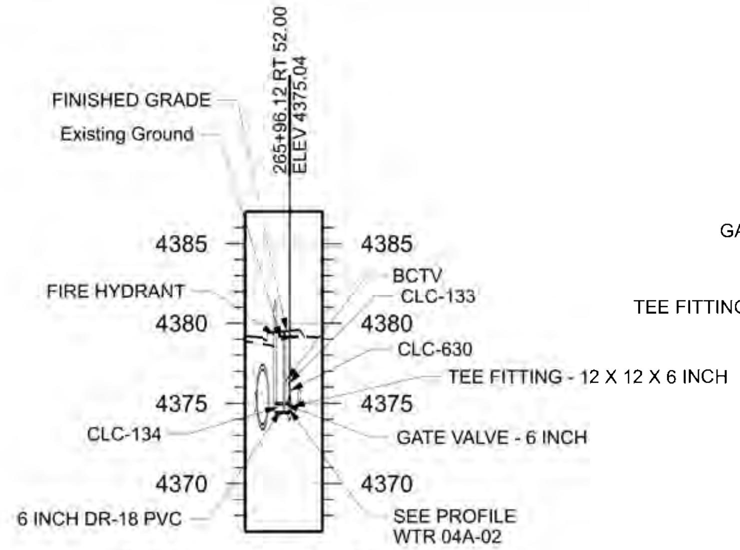
PROJECT NUMBER: S-I15-8(157)336

PIN: 15682

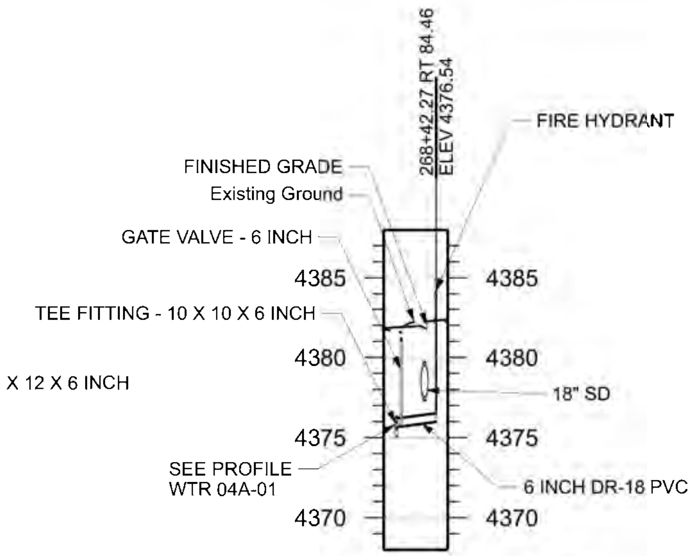
WTR PROFILE

SHEET NO. UT-A-04A

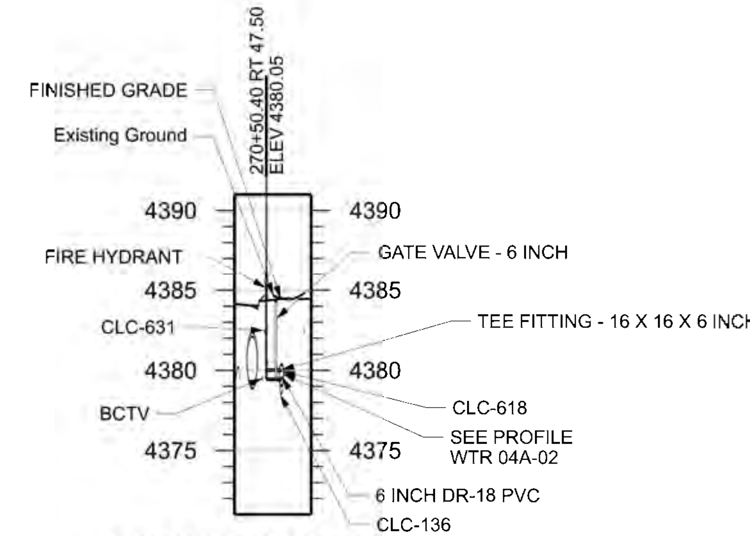
EXHIBIT G



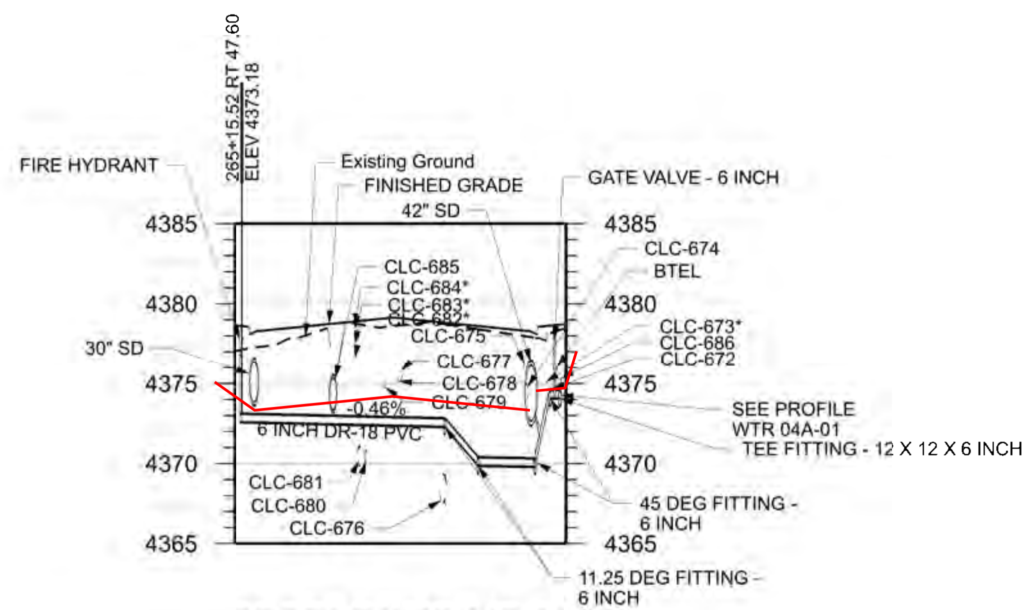
PROFILE WTR 04B-01



PROFILE WTR 04B-02



PROFILE WTR 04B-03



PROFILE WTR 04B-04

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-133	Comcast	bctv	2 inch	No Vertical Conflict
CLC-134	Utopia	bfo	4 inch	Remove Existing Utility
CLC-136	CenturyLink	btel		Adjust Existing Utility
CLC-618	Clinton City	wtr		Remove Existing Utility
CLC-630	Clinton City	sd	24 inch	Remove Existing Utility
CLC-631	Comcast	bctv		Remove Existing Utility
CLC-672	Utopia	bfo		Remove Existing Utility
CLC-673	Clinton City	sd		No Vertical Conflict
CLC-674	DWCCC	irr		Remove Existing Utility
CLC-675	Clinton City	btel		Remove Existing Utility
CLC-676	NDSD	swr	21 inch	No Vertical Conflict
CLC-677	CenturyLink	bfo		No Vertical Conflict
CLC-678	CenturyLink	btel		No Vertical Conflict
CLC-679	ominion Ener	gas	2 inch	Remove Existing Utility
CLC-680	Clinton City	swr	8 inch	No Vertical Conflict
CLC-681	Clinton City	wtr	14 inch	Remove Existing Utility
CLC-682	Comcast	bfo		Remove Existing Utility
CLC-683	RMP	be		Remove Existing Utility
CLC-684	Comcast	bctv		Remove Existing Utility
CLC-685	LDS Church	irr		Remove Existing Utility
CLC-686	Comcast	bctv		Remove Existing Utility
*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.				

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

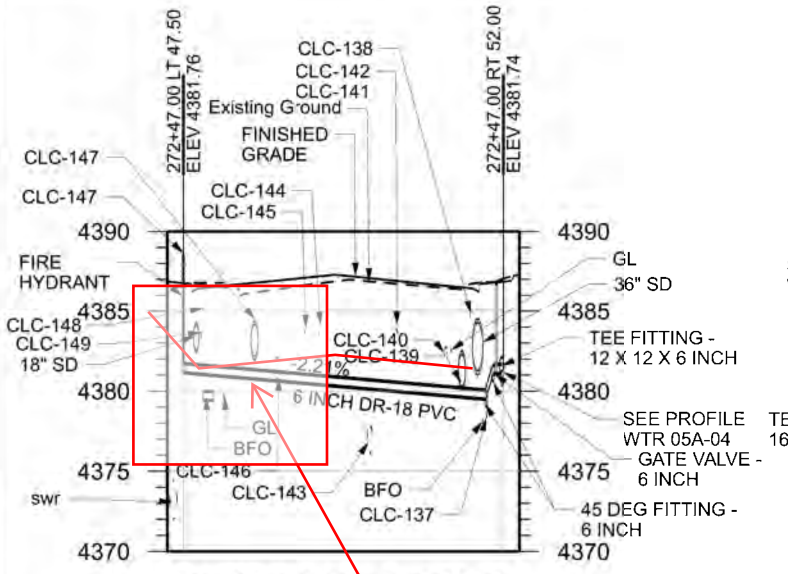
REVISIONS | NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
DRAWN BY JMM
QC CHECKED BY CAS
5/14/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

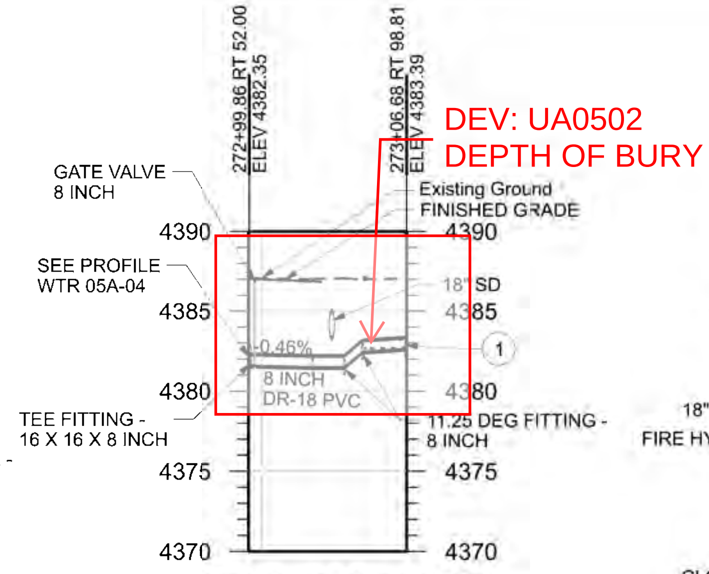
PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER: S-I15-8(157)336
UTILITY - WTR

SHEET NO. UT-A-04B

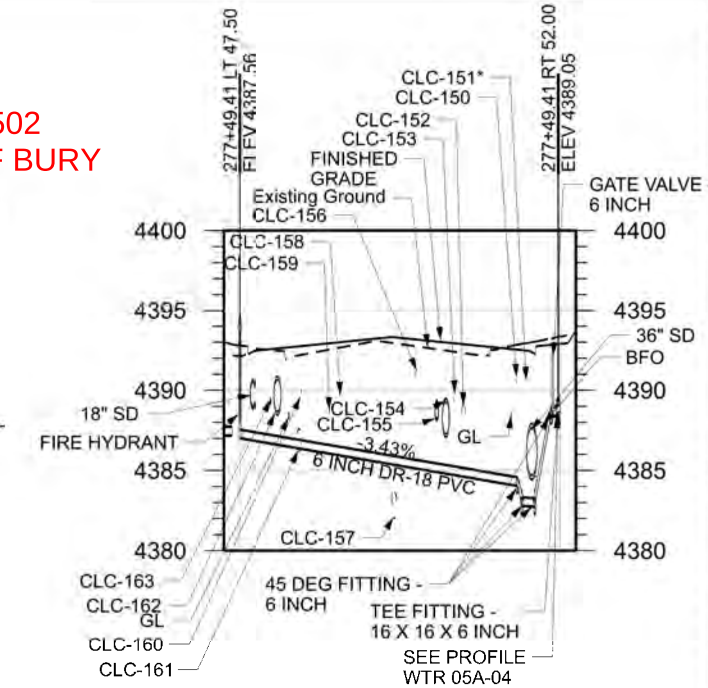
EXHIBIT G



PROFILE WTR 05A-01



PROFILE WTR 05A-02



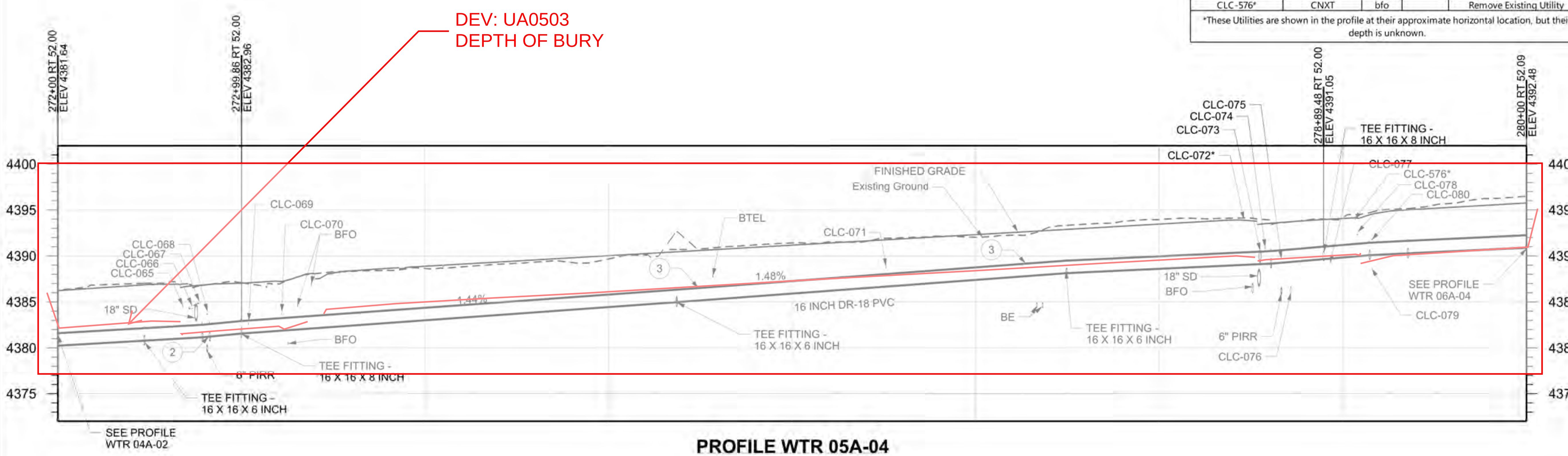
PROFILE WTR 05A-03

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-065	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-066	Utopia	bfo		No Vertical Conflict
CLC-067	CenturyLink	btel		No Vertical Conflict
CLC-068	DWCCC	irr	6 inch	No Vertical Conflict
CLC-069	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-070	Comcast	bctv		Protect in Place Existing Utility
CLC-071	Comcast	bctv		Remove Existing Utility
CLC-072*	Utopia	bfo		Remove Existing Utility
CLC-073	Clinton City	sd	12 inch	Remove Existing Utility
CLC-074	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-075	DWCCC	irr	6 inch	Remove Existing Utility
CLC-076	Clinton City	swr	8 inch	No Vertical Conflict
CLC-077	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-078	Comcast	bctv		No Vertical Conflict
CLC-079	Clinton City	sd	10 inch	Remove Existing Utility
CLC-080	RMP	be		No Vertical Conflict
CLC-137	CenturyLink	btel		No Vertical Conflict
CLC-138	Comcast	bctv		Remove Existing Utility
CLC-139	Clinton City	sd	24 inch	Remove Existing Utility
CLC-140	DWCCC	irr	12 inch	Remove Existing Utility
CLC-141	CenturyLink	btel		Remove Existing Utility
CLC-142	CenturyLink	btel		Remove Existing Utility
CLC-143	NDSD	swr	18 inch	No Vertical Conflict
CLC-144	CenturyLink	bfo		No Vertical Conflict
CLC-145	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-146	Clinton City	wtr	unk	Remove Existing Utility
CLC-147	LDS Church	irr	24 inch	Remove Existing Utility
CLC-148	RMP	be		Remove Existing Utility
CLC-149	Connext	bfo		Remove Existing Utility
CLC-150	Utopia	bfo		Remove Existing Utility
CLC-151*	Utopia	bfo		Remove Existing Utility
CLC-152	DWCCC	irr	12 inch	Remove Existing Utility
CLC-153	CenturyLink	btel		Remove Existing Utility
CLC-154	Clinton City	sd	24 inch	Remove Existing Utility
CLC-155	Clinton City	sd	10 inch	Remove Existing Utility
CLC-156	CenturyLink	btel		Remove Existing Utility
CLC-157	NDSD	swr	18 inch	No Vertical Conflict
CLC-158	CenturyLink	bfo		No Vertical Conflict
CLC-159	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-160	CenturyLink	btel		No Vertical Conflict
CLC-161	Clinton City	wtr	16 inch	Remove Existing Utility
CLC-162	LDS Church	irr	24 inch	Remove Existing Utility
CLC-163	Connext	bfo		Remove Existing Utility
CLC-576*	CNXT	bfo		Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.

NOTES:

1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.



PROFILE WTR 05A-04

CLINTON CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

DRAWN BY: JMM
QC CHECKED BY: CAS
DATE: 5/14/2024

APPROVED

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

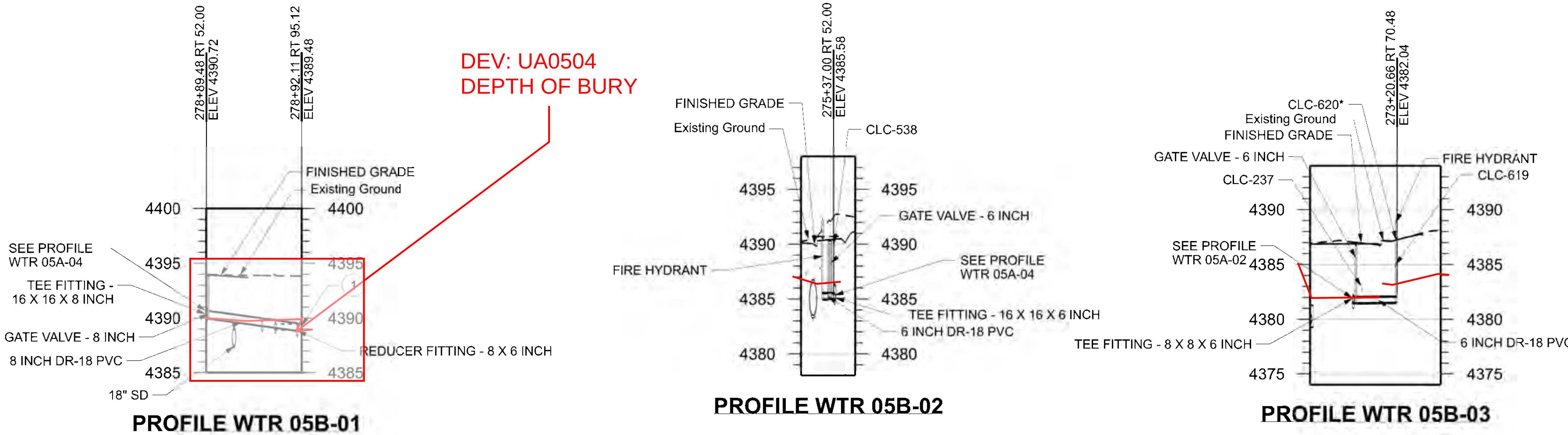
PROJECT NUMBER: S-I15-8(157)336

PIN: 15682

WTR PROFILE

SHEET NO. UT-A-05A

EXHIBIT G



Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-237	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-538	RMP	epp		Remove Existing Utility
CLC-619	Comcast	bctv		No Vertical Conflict
CLC-620*	Dominion Energy	gas	.75 inch	Protect in Place Existing Utility

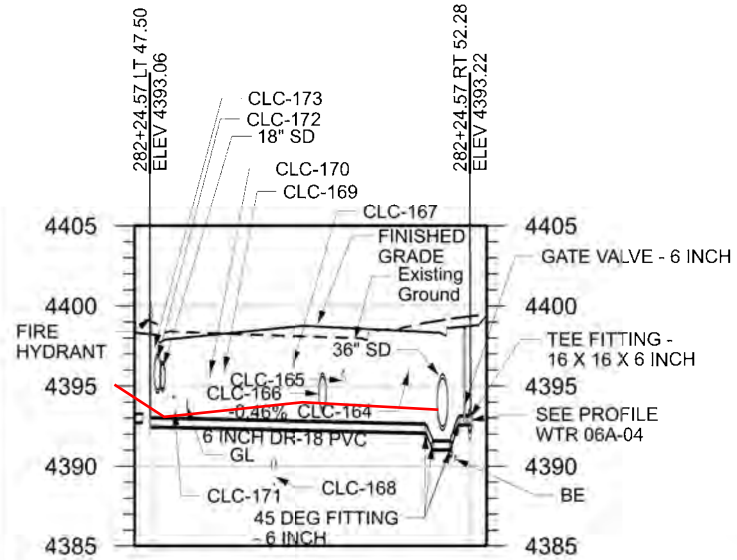
*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

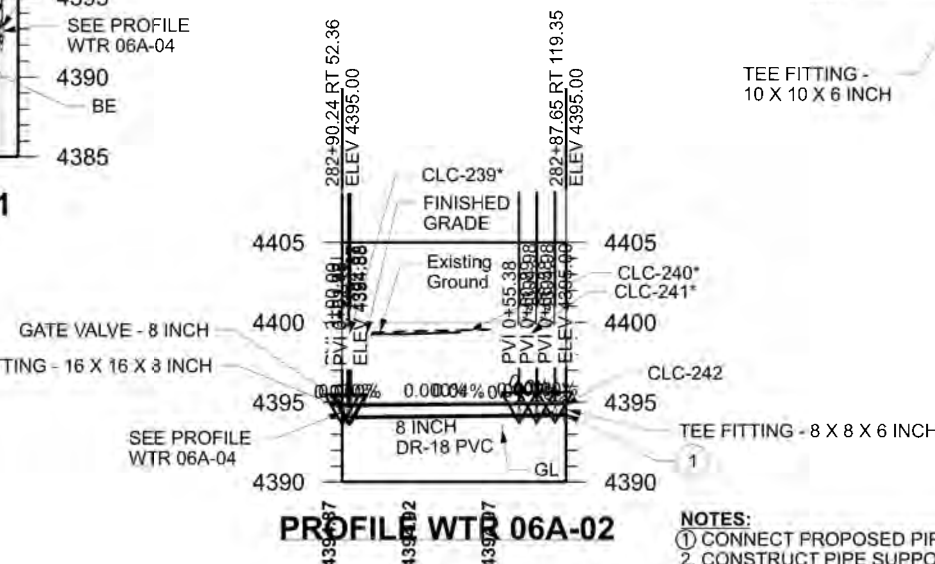
CLINTON CULINARY WATER

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
REVISIONS | NO. | DATE | APPROVED BY | REMARKS
DRAWN BY JMM | QC CHECKED BY CAS
5/14/2024 DATE
APPROVED | PROFESSIONAL ENGINEER
PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336 | PIN 15682
WTR PROFILE
SHEET NO. UT-A-05B

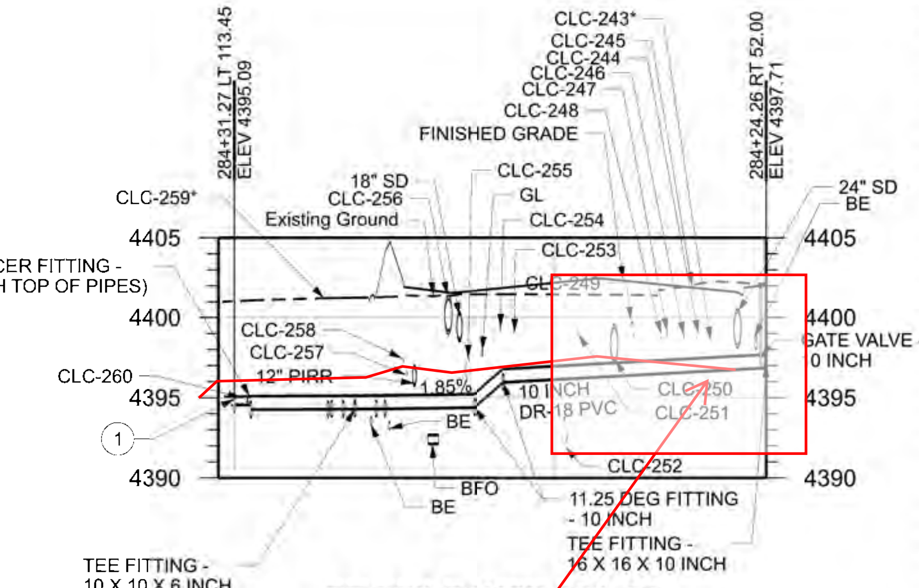
EXHIBIT G



PROFILE WTR 06A-01



PROFILE WTR 06A-02

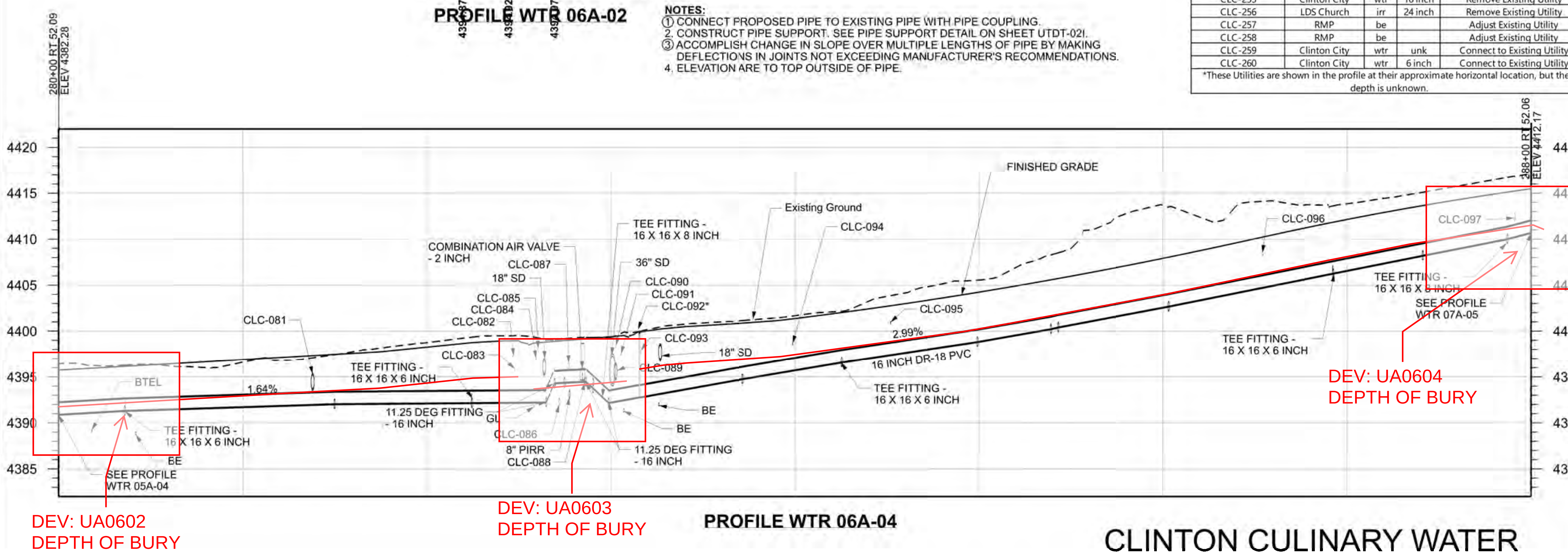


PROFILE WTR 06A-03

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-081	Clinton City	sd	18 inch	Remove Existing Utility
CLC-082	Comcast	bfo		No Vertical Conflict
CLC-083	RMP	be		Remove Existing Utility
CLC-084	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-085	Comcast	bctv		No Vertical Conflict
CLC-086	Clinton City	swr	8 inch	No Vertical Conflict
CLC-087	DWCCC	irr	8 inch	Remove Existing Utility
CLC-088	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-089	Clinton City	sd	18 inch	Remove Existing Utility
CLC-090	Comcast	bctv		Remove Existing Utility
CLC-091	Dominion Energy	gas	1.25 inch	Remove Existing Utility
CLC-092*	Utopia	bfo		Unknown
CLC-093	RMP	be		No Vertical Conflict
CLC-094	Comcast	bctv		Remove Existing Utility
CLC-095	Comcast	bctv		Remove Existing Utility
CLC-096	RMP	be		No Vertical Conflict
CLC-097	Clinton City	wtr	8 inch	Remove Existing Utility
CLC-164	Utopia	bfo		No Vertical Conflict
CLC-165	DWCCC	irr	12 inch	No Vertical Conflict
CLC-166	Clinton City	sd	24 inch	Remove Existing Utility
CLC-167*	CenturyLink	btel		Remove Existing Utility
CLC-168	NDSD	swr	18 inch	No Vertical Conflict
CLC-169	CenturyLink	bfo		No Vertical Conflict
CLC-170	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-171	Clinton City	wtr	16 inch	Remove Existing Utility
CLC-172	LDS Church	irr	24 inch	Remove Existing Utility
CLC-173	Comcast	bctv		No Vertical Conflict
CLC-239*	DWCCC	irr	1.5 inch	Remove Existing Utility
CLC-240*	Clinton City	wtr	unk	Connect to Existing Utility
CLC-241*	DWCCC	irr	1.5 inch	Remove Existing Utility
CLC-242	Clinton City	wtr	6 inch	Connect to Existing Utility
CLC-243	Utopia	bfo		Remove Existing Utility
CLC-244	Utopia	bfo		No Vertical Conflict
CLC-245	RMP	be		Remove Existing Utility
CLC-246	Comcast	bctv		No Vertical Conflict
CLC-247	Dominion Energy	gas	1.25 inch	No Vertical Conflict
CLC-248	Comcast	bctv		No Vertical Conflict
CLC-249	DWCCC	irr	12 inch	No Vertical Conflict
CLC-250	Clinton City	sd	24 inch	Remove Existing Utility
CLC-251	CenturyLink	btel		No Vertical Conflict
CLC-252	NDSD	swr	18 inch	No Vertical Conflict
CLC-253	CenturyLink	bfo		No Vertical Conflict
CLC-254	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-255	Clinton City	wtr	16 inch	Remove Existing Utility
CLC-256	LDS Church	irr	24 inch	Remove Existing Utility
CLC-257	RMP	be		Adjust Existing Utility
CLC-258	RMP	be		Adjust Existing Utility
CLC-259	Clinton City	wtr	unk	Connect to Existing Utility
CLC-260	Clinton City	wtr	6 inch	Connect to Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.



PROFILE WTR 06A-04

CLINTON CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

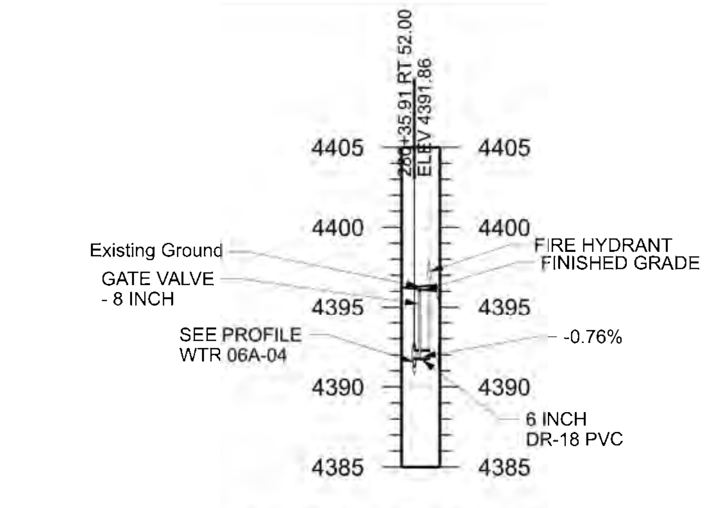
JUB ENGINEERS, INC.

DRAWN BY: JMM
QC CHECKED BY: CAS
DATE: 5/14/2024
APPROVED
PROFESSIONAL ENGINEER

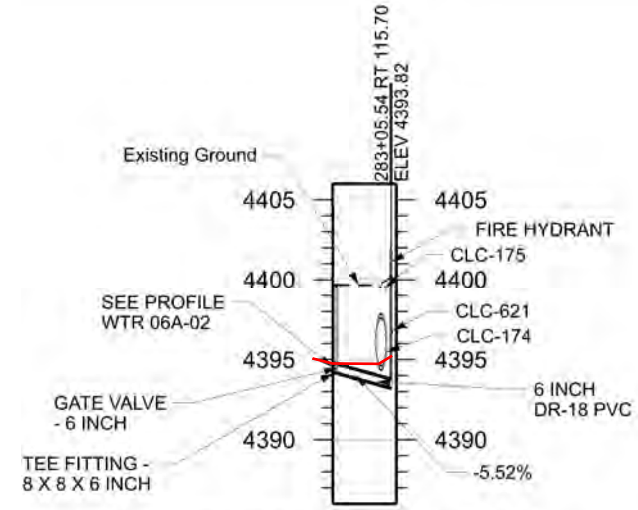
PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
WTR PROFILE

SHEET NO. UT-A-06A

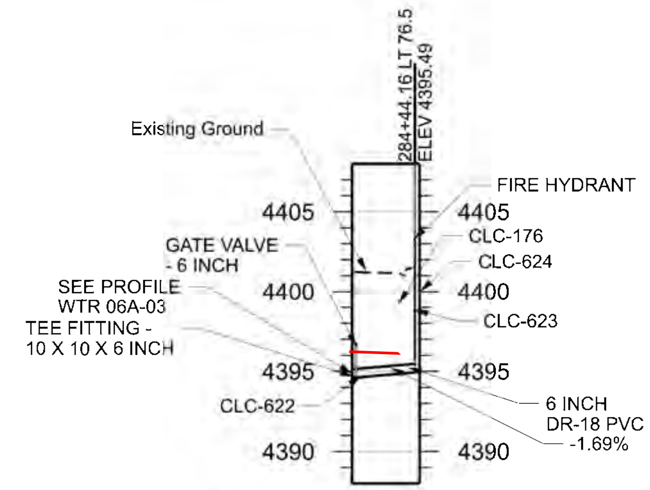
EXHIBIT G



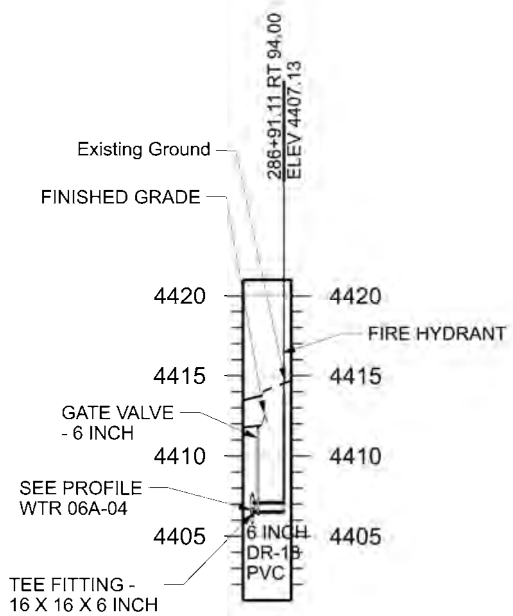
PROFILE WTR 06B-01



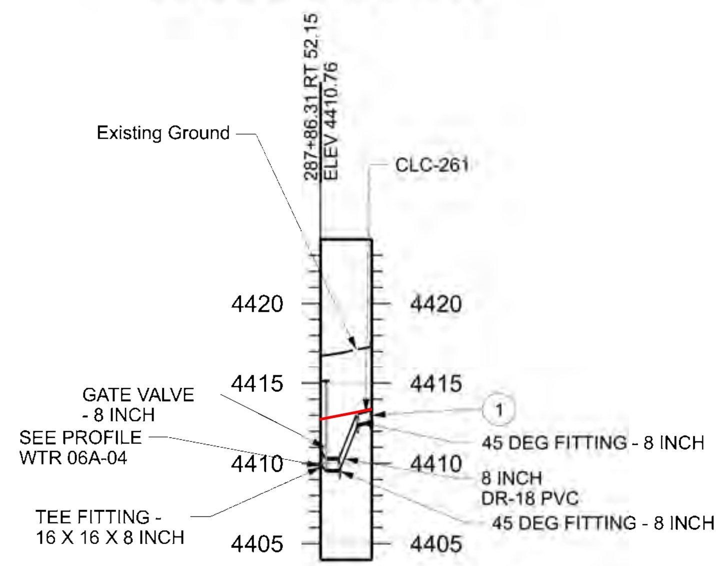
PROFILE WTR 06B-02



PROFILE WTR 06B-03



PROFILE WTR 06B-04



PROFILE WTR 06B-05

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-174	Clinton City	sd	18 inch	No Vertical Conflict
CLC-175	Comcast	bctv	6 inch	No Vertical Conflict
CLC-176	CenturyLink	btel	6 inch	No Vertical Conflict
CLC-261	Clinton City	wtr	8 inch	Connect to Existing Utility
CLC-621	Dominion Energy	gas	75 inch	No Vertical Conflict
CLC-622	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-623	CLL	bfo		Adjust Existing Utility
CLC-624	Comcast	bctv		No Vertical Conflict
*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.				

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS

NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY JMM
QC CHECKED BY CAS
5/14/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN 15682
WTR PROFILE

SHEET NO. UT-A-06B

EXHIBIT G

DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Utilities/15682_UT-A-07.dgn
REGION 1 14-MAY-2024 13:56 cjensen

CULINARY PIPE AND FITTINGS - 12 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+23.60 LT 95.00 TO 294+24.46 RT 4.59
294+23.60 LT 95.00 TO 294+47.77 LT 119.48
294+46.46 LT 153.56 TO 294+47.77 LT 119.48

45 DEG FITTING - 12 INCH (CLINTON)
SR-37 (1800 NORTH)
294+23.60 LT 95.00
294+47.77 LT 119.48

CULINARY PIPE AND FITTINGS - 14 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+46.38 LT 155.54 TO 294+46.46 LT 153.56

REDUCER FITTING - 14 X 12 INCH (CLINTON)
SR-37 (1800 NORTH)
294+46.46 LT 153.56

PIPE COUPLING - 14 INCH (CLINTON)
SR-37 (1800 NORTH)
294+46.38 LT 155.56

GATE VALVE - 12 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+46.51 LT 152.31

WATER METER BOX AND SETTER - 1 1/2 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
291+50.42 LT 47.50

WATER METER BOX AND SETTER - 2 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
293+42.28 LT 47.50

WATER METER BOX AND SETTER - 3/4 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
288+61.40 LT 47.14
290+10.38 LT 47.50

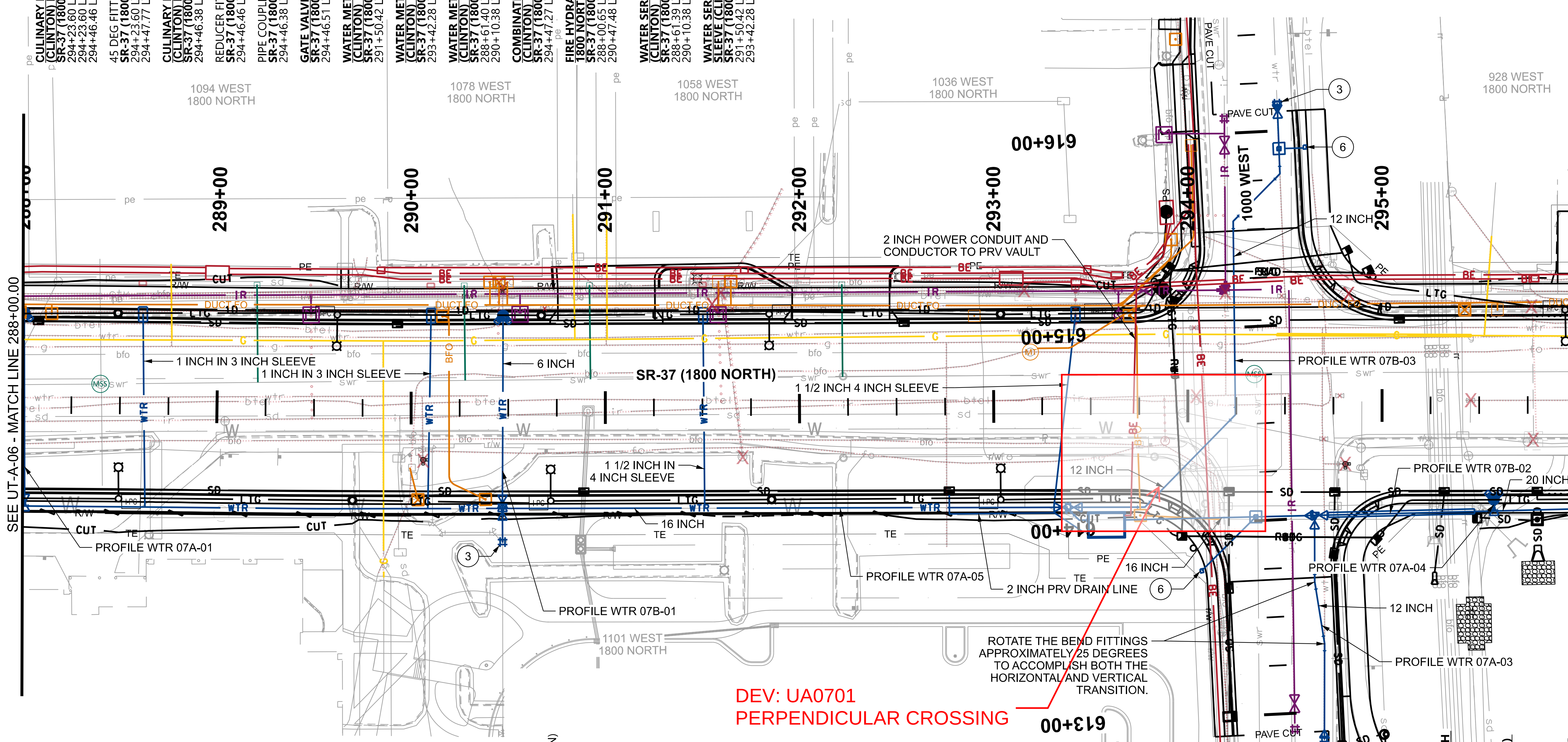
COMBINATION AIR VALVE ASSEMBLY - 2 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+47.27 LT 132.41

FIRE HYDRANT ASSEMBLY, LONG (ACROSS 1800 NORTH) (CLINTON) REQ'D
SR-37 (1800 NORTH)
288+00.65 LT 47.49
290+47.48 LT 47.50

WATER SERVICE - 1 INCH, IN 3 INCH SLEEVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
288+61.39 LT 47.50 TO 288+63.48 RT 52.09
290+10.38 LT 47.50 TO 290+08.49 RT 51.78

WATER SERVICE - 1 1/2 INCH, IN 4 INCH SLEEVE (CLINTON) REQ'D
SR-37 (1800 NORTH)
291+50.42 LT 47.50 TO 291+51.06 RT 51.94
293+42.28 LT 47.51 TO 293+30.85 RT 51.99

NOTES:
1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.
6. COMBINATION AIR VALVE VENT.



CULINARY PIPE AND FITTINGS - 12 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
293+38.60 RT 53.35 TO 293+39.92 RT 52.04
293+39.90 RT 52.04 TO 293+77.72 RT 52.04
293+77.72 RT 52.04 TO 294+24.46 RT 4.59
294+65.12 RT 56.50 TO 294+65.12 RT 93.53
294+65.12 RT 93.53 TO 294+70.10 RT 122.49
294+69.85 RT 169.69 TO 294+70.10 RT 122.49

11.25 DEG FITTING - 12 INCH (CLINTON)
SR-37 (1800 NORTH)
295+65.12 RT 90.77
294+70.10 RT 122.49

45 DEG FITTING - 12 INCH (CLINTON)
SR-37 (1800 NORTH)
293+39.90 RT 52.04
293+77.72 RT 52.04
294+24.46 RT 4.59

CULINARY PIPE AND FITTINGS - 14 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+69.84 RT 171.69 TO 294+69.85 RT 169.69

REDUCER FITTING - 14 X 12 INCH (CLINTON)
SR-37 (1800 NORTH)
294+69.85 RT 169.69

PIPE COUPLING - 14 INCH (CLINTON)
SR-37 (1800 NORTH)
294+69.84 RT 171.69

CULINARY PIPE AND FITTINGS - 16 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
288+01.15 RT 52.06 TO 293+15.42 RT 51.99
293+15.42 RT 51.99 TO 293+37.24 RT 51.99
293+37.24 RT 51.99 TO 293+43.97 RT 58.72
293+71.94 RT 58.54 TO 294+62.78 RT 56.55
MATCH LINE RT 52.07 TO 288+01.15 RT 52.06

TEE FITTING - 16 X 16 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
288+01.15 RT 52.06

CROSS FITTING - 16 X 16 X 8 X 8 INCH (CLINTON)
SR-37 (1800 NORTH)
290+46.89 RT 52.82

11.25 DEG FITTING - 16 INCH (CLINTON)
SR-37 (1800 NORTH)
294+26.46 RT 57.36
294+29.05 RT 57.30
294+40.37 RT 57.06
294+55.86 RT 56.71

45 DEG FITTING - 16 INCH (CLINTON)
SR-37 (1800 NORTH)
293+37.24 RT 51.99
293+43.97 RT 58.72

TEE FITTING - 16 X 16 X 12 INCH (CLINTON)
SR-37 (1800 NORTH)
293+38.60 RT 53.35

CULINARY PIPE AND FITTINGS - 20 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+62.78 RT 56.55 TO 294+72.13 RT 56.36
295+47.54 RT 54.73 TO MATCH LINE RT 53.59

TEE FITTING - 20 X 20 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
295+19.22 RT 55.34

TEE FITTING - 20 X 20 X 12 INCH (CLINTON)
SR-37 (1800 NORTH)
295+57.54 RT 54.50

REDUCER FITTING - 20 X 16 INCH (CLINTON)
SR-37 (1800 NORTH)
294+62.78 RT 56.57

CULINARY PIPE AND FITTINGS - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
290+47.23 RT 58.50 TO 290+47.25 RT 51.82

REDUCER FITTING - 8 X 6 INCH (CLINTON)
SR-37 (1800 NORTH)
290+46.90 RT 50.09

PIPE COUPLING - 8 INCH (CLINTON)
SR-37 (1800 NORTH)
290+46.87 RT 69.11

GATE VALVE - 12 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
293+41.10 RT 52.04
294+65.12 RT 59.23

GATE VALVE - 16 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
293+35.19 RT 51.99

GATE VALVE - 20 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+67.46 RT 56.47

GATE VALVE - 8 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
290+46.89 RT 53.55

PRV STATION (CLINTON) REQ'D
SR-37 (1800 NORTH)
293+57.96 RT 61.13

COMBINATION AIR VALVE ASSEMBLY - 2 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+34.85 RT 57.18

FIRE HYDRANT ASSEMBLY, SHORT (CLINTON) REQ'D
SR-37 (1800 NORTH)
295+19.07 RT 48.50

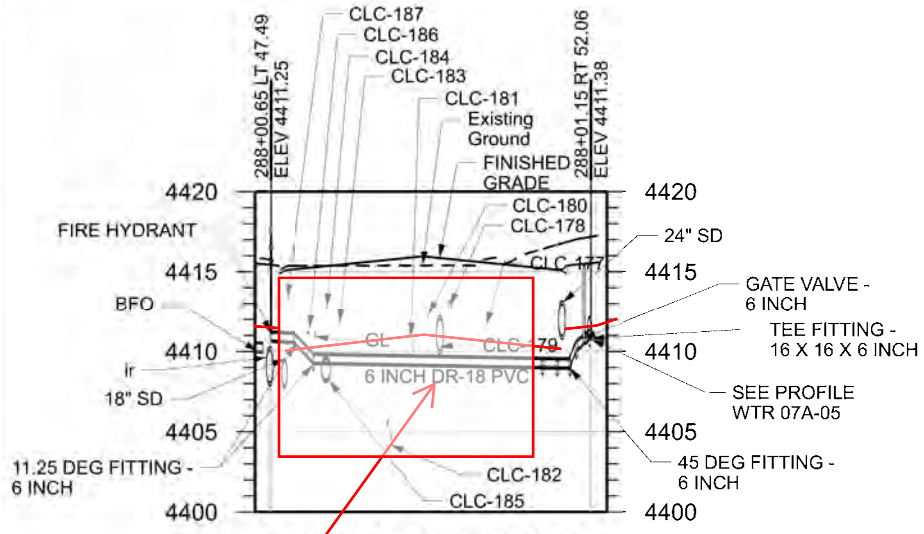
30 INCH STEEL CASING AND CULINARY PIPE - 20 INCH, CLASS 250 DI PRESSURE (D&RG TRAIL CROSSING, OPEN TRENCH) (CLINTON) REQ'D
SR-37 (1800 NORTH)
294+72.13 RT 56.36 TO 295+47.54 RT 54.73

REVISIONS
NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
DRAWN BY JMM
CHECKED BY CAS
QC
5/14/2024
DATE
PROFESSIONAL ENGINEER
APPROVED

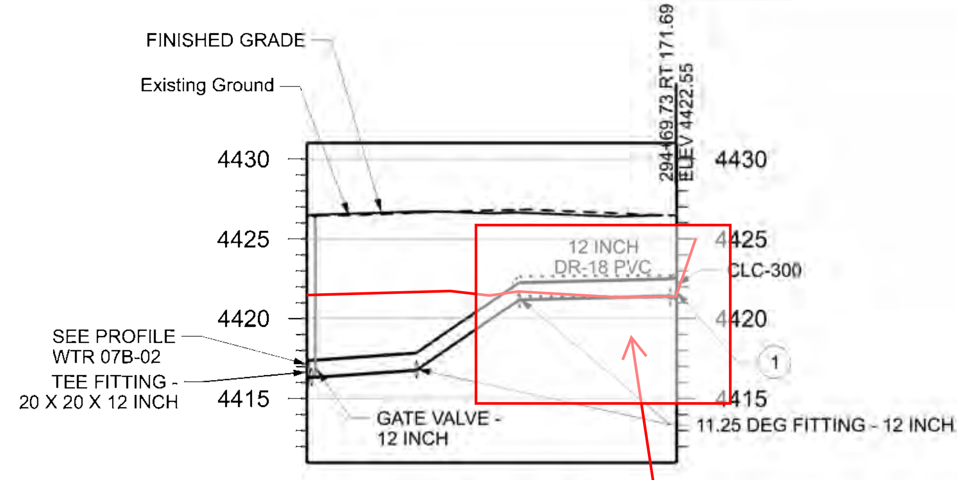
PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
UTILITY - WTR
SHEET NO. UT-A-07

EXHIBIT G



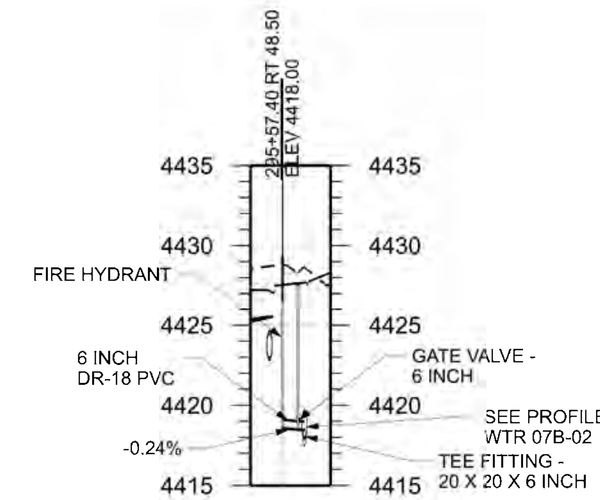
PROFILE WTR 07A-01

DEV: UA0702
DEPTH OF BURY



PROFILE WTR 07A-03

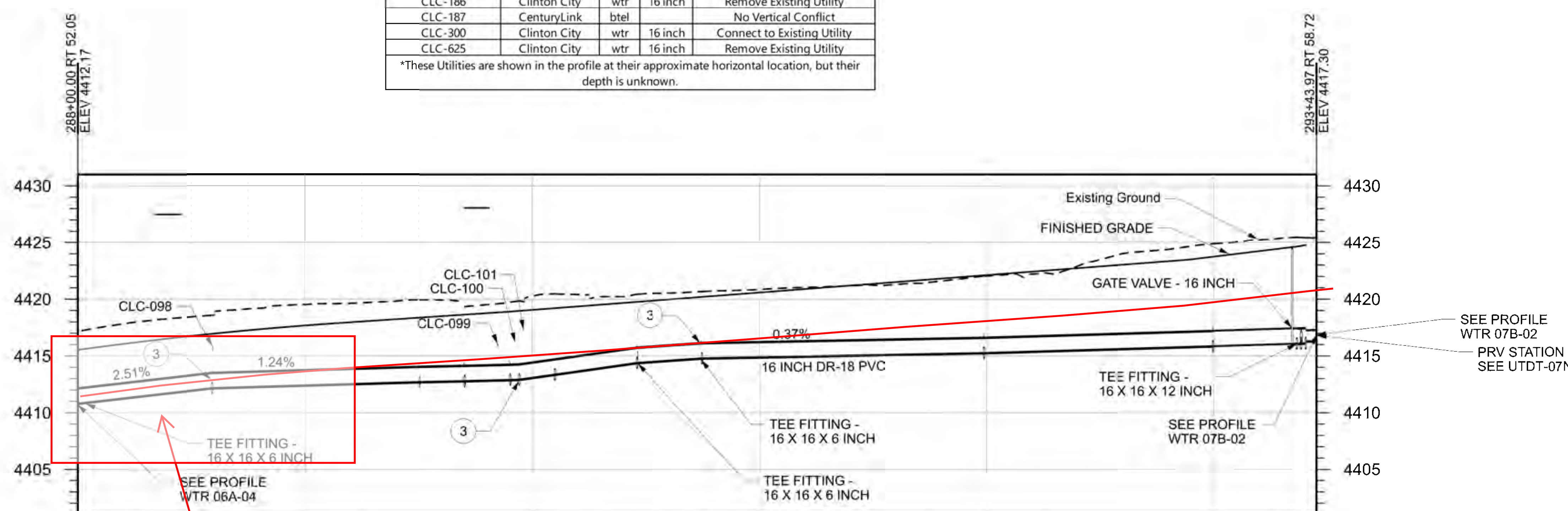
DEV: UA0703
DEPTH OF BURY



PROFILE WTR 07A-04

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-098	CenturyLink	btel	4 inch	No Vertical Conflict
CLC-099	Dominion Energy	gas	1.25 inch	No Vertical Conflict
CLC-100	Clinton City	sd	unk	No Vertical Conflict
CLC-101	CenturyLink	bfo		No Vertical Conflict
CLC-177	Utopia	bfo		Remove Existing Utility
CLC-178	DWCCC	irr	12 inch	Remove Existing Utility
CLC-179	Clinton City	sd	24 inch	Remove Existing Utility
CLC-180	CenturyLink	btel		Remove Existing Utility
CLC-181	Clinton City	wtr	unk	Remove Existing Utility
CLC-182	NDSD	swr	18 inch	No Vertical Conflict
CLC-183	CenturyLink	bfo	5 inch	No Vertical Conflict
CLC-184	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-185	Clinton City	sd	15 inch	Remove Existing Utility
CLC-186	Clinton City	wtr	16 inch	Remove Existing Utility
CLC-187	CenturyLink	btel		No Vertical Conflict
CLC-300	Clinton City	wtr	16 inch	Connect to Existing Utility
CLC-625	Clinton City	wtr	16 inch	Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.



PROFILE WTR 07A-05

DEV: UA0704
DEPTH OF BURY

NOTES:

1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TC TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

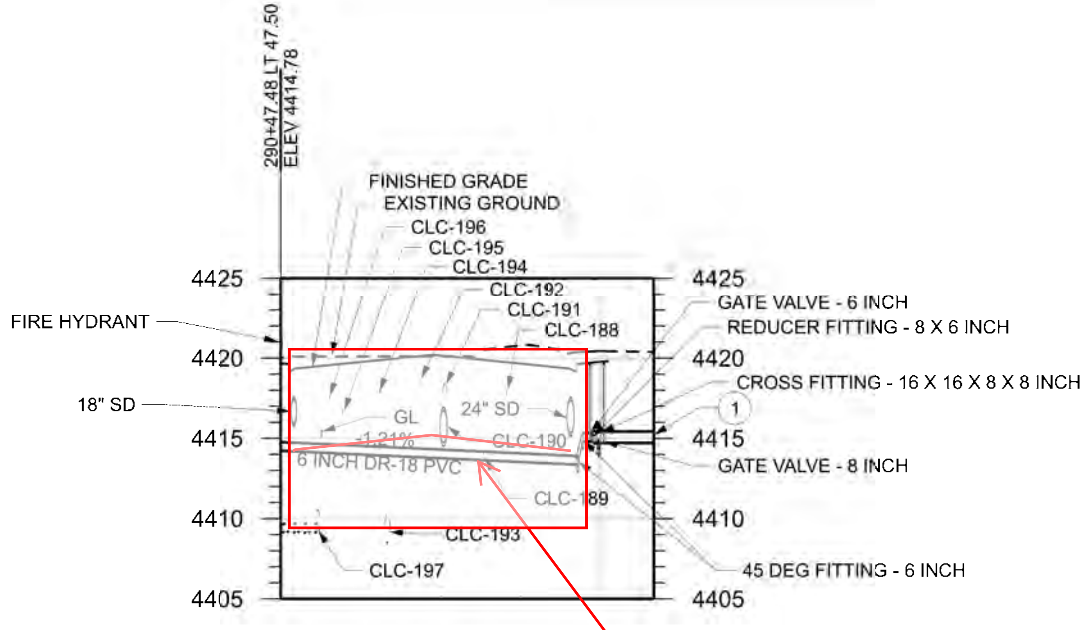
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY: JMM
QC CHECKED BY: CAS
DATE: 5/14/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
WTR PROFILE

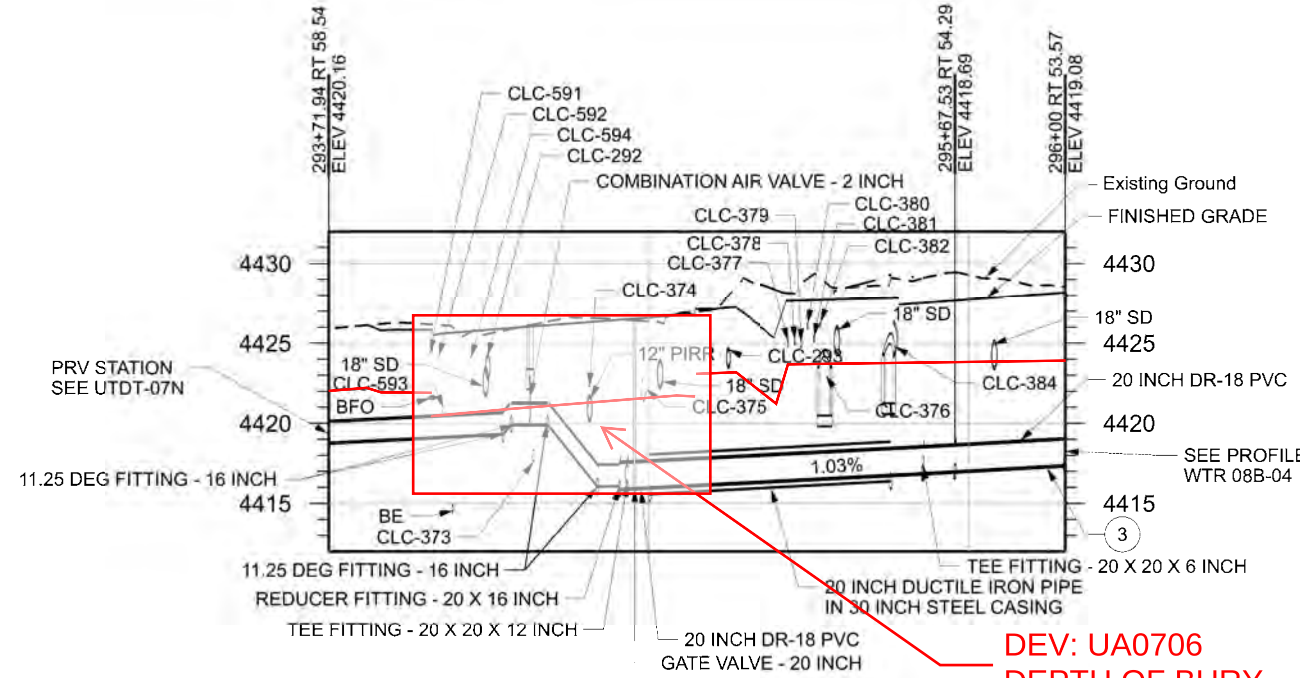
SHEET NO. UT-A-07A

EXHIBIT G



PROFILE WTR 07B-01

DEV: UA0705
DEPTH OF BURY



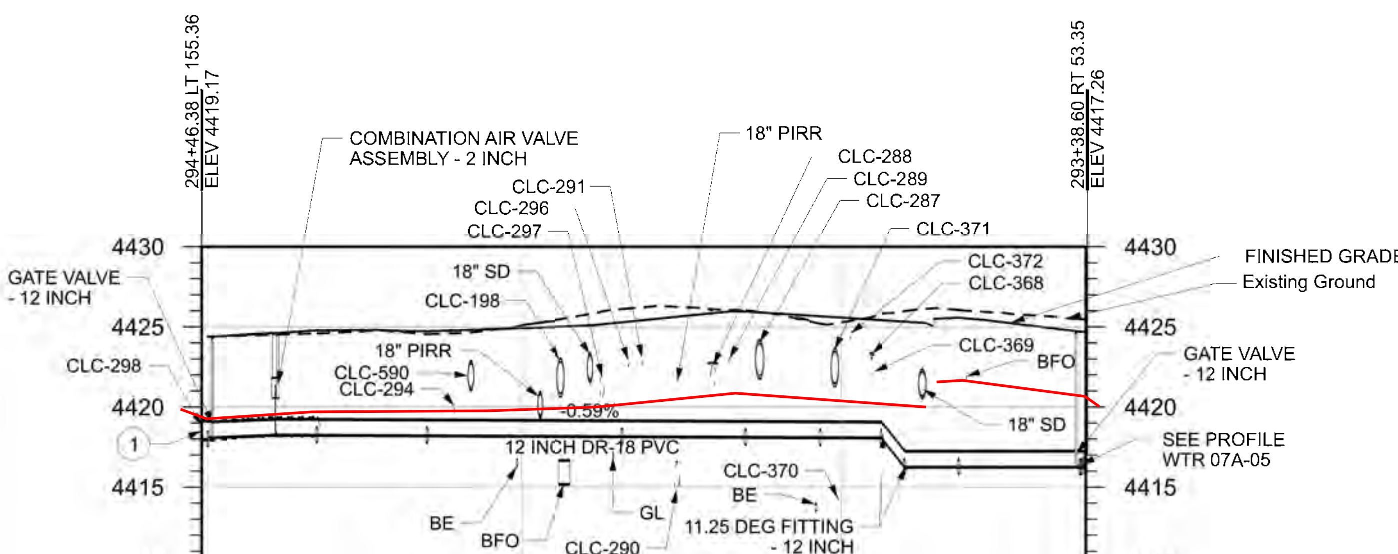
DEV: UA0706
DEPTH OF BURY

PROFILE WTR 07B-02

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-188	Utopia	bfo		Remove Existing Utility
CLC-189	Utopia	bfo		Remove Existing Utility
CLC-190	Clinton City	sd	24 inch	Remove Existing Utility
CLC-191	DWCCC	irr	12 inch	Remove Existing Utility
CLC-192	CenturyLink	btel		Remove Existing Utility
CLC-193	NDSD	swr	18 inch	No Vertical Conflict
CLC-194	CenturyLink	bfo		Remove Existing Utility
CLC-195	CenturyLink	bfo		No Vertical Conflict
CLC-196	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-197	Clinton City	wtr	16 inch	Remove Existing Utility
CLC-198	LDS Church	irr	24 inch	Remove Existing Utility
CLC-287	Clinton City	sd	24 inch	Remove Existing Utility
CLC-288	DWCCC	irr	12 inch	Remove Existing Utility
CLC-289	CenturyLink	btel		Remove Existing Utility
CLC-290	NDSD	swr	18 inch	No Vertical Conflict
CLC-291	CenturyLink	bfo	6 inch	Remove Existing Utility
CLC-292	Clinton City	sd	unk	Remove Existing Utility
CLC-293	Clinton City	sd	15 inch	Remove Existing Utility
CLC-294	UDOT	be	4 inch	Remove Existing Utility
CLC-296	Dominion Energy	gas	4 inch	Remove Existing Utility
CLC-297	Clinton City	wtr	16 inch	Remove Existing Utility
CLC-298	Clinton City	wtr	14 inch	Connect to Existing Utility
CLC-368	UDOT	be	4 inch	No Vertical Conflict
CLC-369	Comcast	bfo	6 inch	No Vertical Conflict
CLC-370	UDOT	bfo	4 inch	No Vertical Conflict
CLC-371	Clinton City	sd	24 inch	No Vertical Conflict
CLC-372	Utopia	bfo	4 inch	No Vertical Conflict
CLC-373**	Clinton City	swr	12 inch	No Vertical Conflict
CLC-374	DWCCC	irr	16 inch	No Vertical Conflict
CLC-375	Clinton City	wtr	16 inch	No Vertical Conflict
CLC-376	Clinton City	sd	24 inch	Remove Existing Utility
CLC-377	Sprint	bfo	4 inch	No Vertical Conflict
CLC-378	Lumen	bfo	4 inch	No Vertical Conflict
CLC-379	Lumen	bfo	4 inch	No Vertical Conflict
CLC-380	Verizon	bfo	4 inch	No Vertical Conflict
CLC-381	Verizon	bfo	4 inch	No Vertical Conflict
CLC-382	Zayo	bfo	4 inch	No Vertical Conflict
CLC-384	Clinton City	sd	24 inch	Remove Existing Utility
CLC-588	NDSD	swr		No Vertical Conflict
CLC-590	Clinton City	sd	18 inch	No Vertical Conflict
CLC-591	RMP	be		No Vertical Conflict
CLC-592	RMP	be		No Vertical Conflict
CLC-593		bfo		No Vertical Conflict
CLC-594		bfo		Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.

**Clinton City has this pipe mapped as an 8" concrete pipe.



PROFILE WTR 07B-03

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

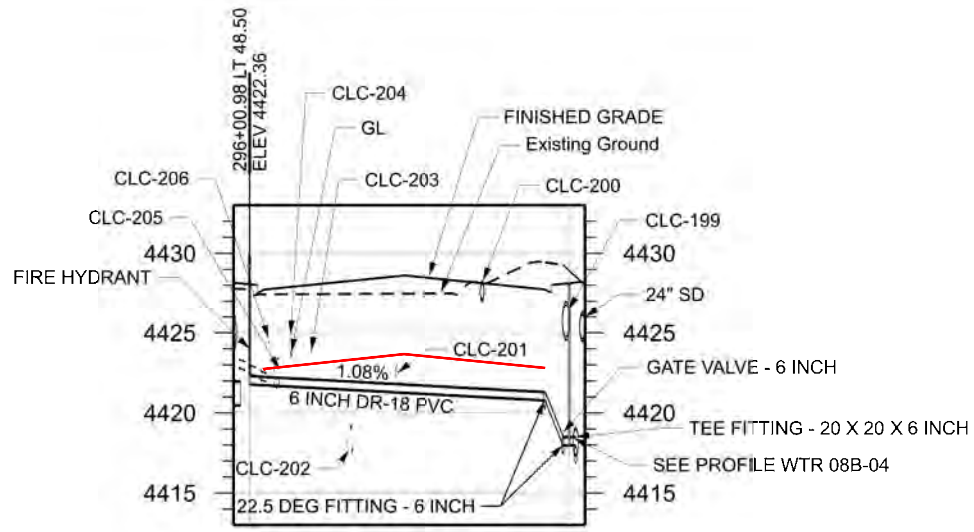
REVISIONS | NO. | DATE | APPROVED BY | REMARKS

DRAWN BY: JMM
QC CHECKED BY: CAS
DATE: 5/14/2024
APPROVED
PROFESSIONAL ENGINEER

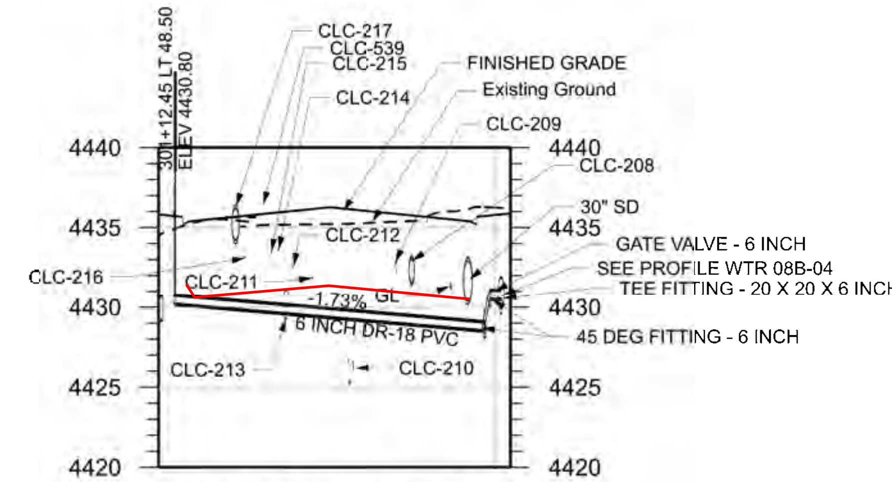
PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN: 15682
PROJECT NUMBER: S-I15-8(157)336
WTR PROFILE

SHEET NO. UT-A-07B

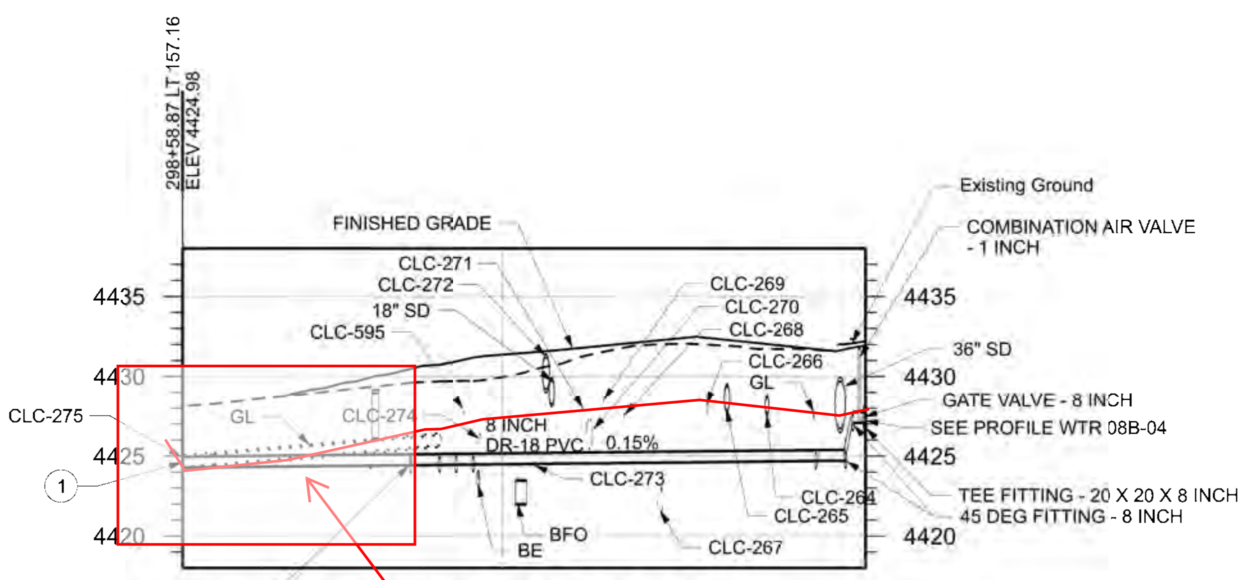
EXHIBIT G



PROFILE WTR 08A-01

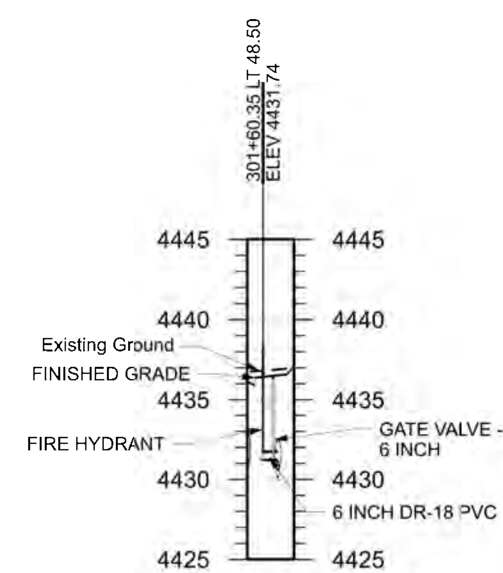


PROFILE WTR 08A-02



PROFILE WTR 08A-03

DEV: UA0801
DEPTH OF BURY



PROFILE WTR 08A-04

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-199	Clinton City	sd	24 inch	No Vertical Conflict
CLC-200	Clinton City	sd	24 inch	No Vertical Conflict
CLC-201	DWCCC	irr	8 inch	Remove Existing Utility
CLC-202	NDSD	swr	18 inch	No Vertical Conflict
CLC-203	CenturyLink	bfo		No Vertical Conflict
CLC-204	Dominion Energy	gas	4 inch	No Vertical Conflict
CLC-205	Clinton City	wtr	20 inch	Remove Existing Utility
CLC-206	CenturyLink	btel		No Vertical Conflict
CLC-208	Clinton City	sd	18 inch	Remove Existing Utility
CLC-209	DWCCC	irr	8 inch	Remove Existing Utility
CLC-210	NDSD	swr	18 inch	No Vertical Conflict
CLC-211	CenturyLink	bfo		Remove Existing Utility
CLC-212	Dominion Energy	gas	4 inch	Remove Existing Utility
CLC-213	Clinton City	wtr	20 inch	Remove Existing Utility
CLC-214	CenturyLink	btel		Remove Existing Utility
CLC-215	CenturyLink	btel		Remove Existing Utility
CLC-216	Comcast	bctv		Remove Existing Utility
CLC-217	LDS Church	irr	24 inch	Remove Existing Utility
CLC-264	Clinton City	sd	12 inch	Remove Existing Utility
CLC-265	Clinton City	sd	18 inch	Remove Existing Utility
CLC-266	DWCCC	irr	8 inch	Remove Existing Utility
CLC-267	NDSD	swr	18 inch	No Vertical Conflict
CLC-268	CenturyLink	bfo		Remove Existing Utility
CLC-269	Dominion Energy	gas	4 inch	Remove Existing Utility
CLC-270	Clinton City	wtr	20 inch	Remove Existing Utility
CLC-271	CenturyLink	btel		Remove Existing Utility
CLC-272	LDS Church	irr	24 inch	Remove Existing Utility
CLC-273	Comcast	bctv		Remove Existing Utility
CLC-274	Clinton City	wtr	unk	Remove Existing Utility
CLC-275	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-539	RMP	epp		Remove Existing Utility
CLC-595	RMP	be		No Vertical Conflict

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.

NOTES:

1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY JMM
QC CHECKED BY CAS
DATE 5/14/2024
APPROVED
PROFESSIONAL ENGINEER

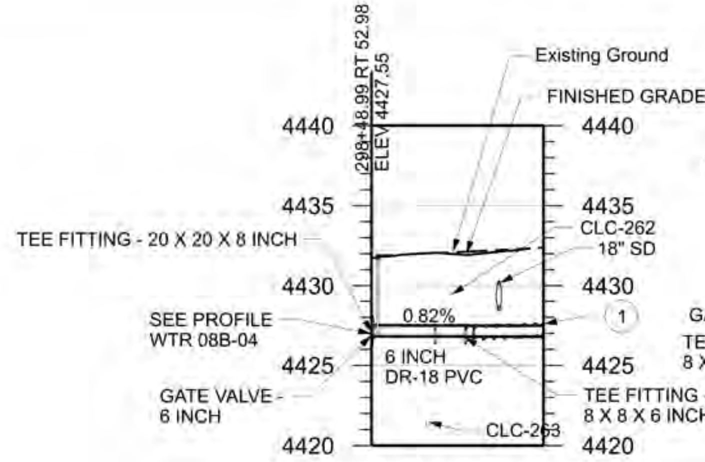
PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
WTR PROFILE

SHEET NO. UT-A-08A

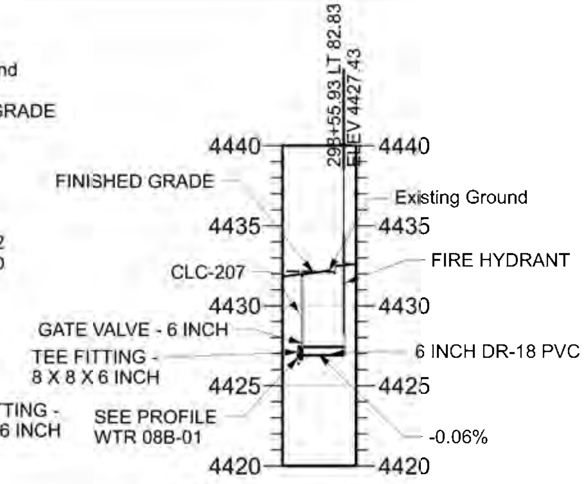
EXHIBIT G

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-207	Clinton City	sd	15 inch	Remove Existing Utility
CLC-262	Clinton City	sd	15 inch	Remove Existing Utility
CLC-263	Clinton City	wtr	8 inch	Remove Existing Utility
CLC-385	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-386	DWCCC	irr	8 inch	Remove Existing Utility
CLC-387	Clinton City	swr	8 inch	No Vertical Conflict
CLC-389	Clinton City	sd	15 inch	Remove Existing Utility
CLC-390	Comcast	bctv	4 inch	Loop Existing Utility - Vertical
CLC-391	RMP	be	4 inch	Adjust Proposed Utility in Design
CLC-392*	Clinton City	sd	15 inch	Remove Existing Utility
CLC-393*	Clinton City	sd	6 inch	Remove Existing Utility
CLC-395	Comcast	bfo	4 inch	No Vertical Conflict
CLC-396	Comcast	bctv	4 inch	No Vertical Conflict
CLC-626	Dominion Energy	gas		Loop Existing Utility - Horizontal

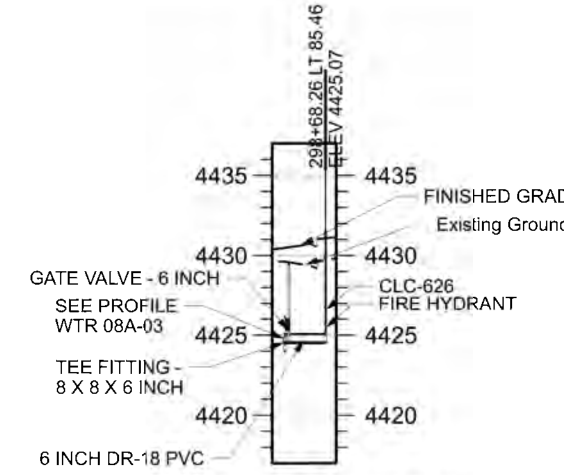
*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.



PROFILE WTR 08B-01



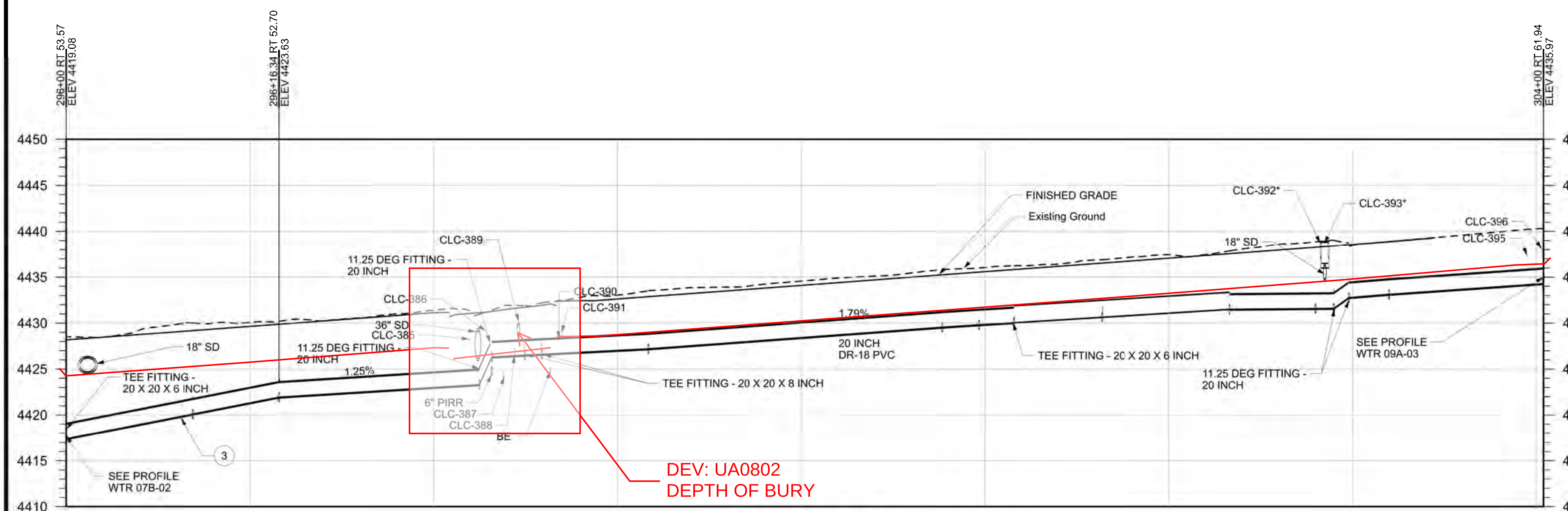
PROFILE WTR 08B-02



PROFILE WTR 08B-03

NOTES:

1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.



PROFILE WTR 08B-04

CLINTON CULINARY WATER

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

DRAWN BY: JMM

QC CHECKED BY: CAS

DATE: 5/14/2024

APPROVED: PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

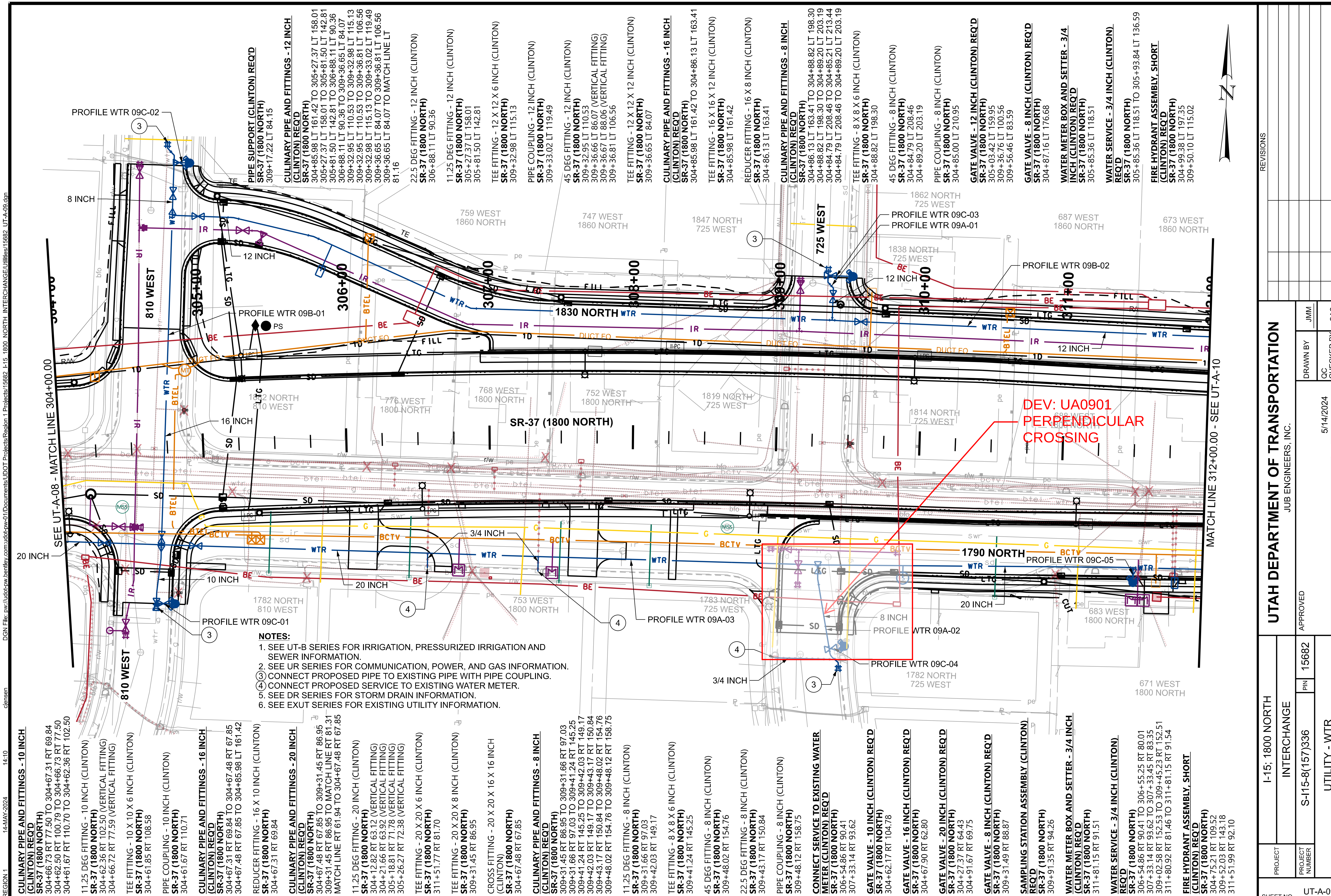
PROJECT NUMBER: S-I15-8(157)336

PIN: 15682

WTR PROFILE

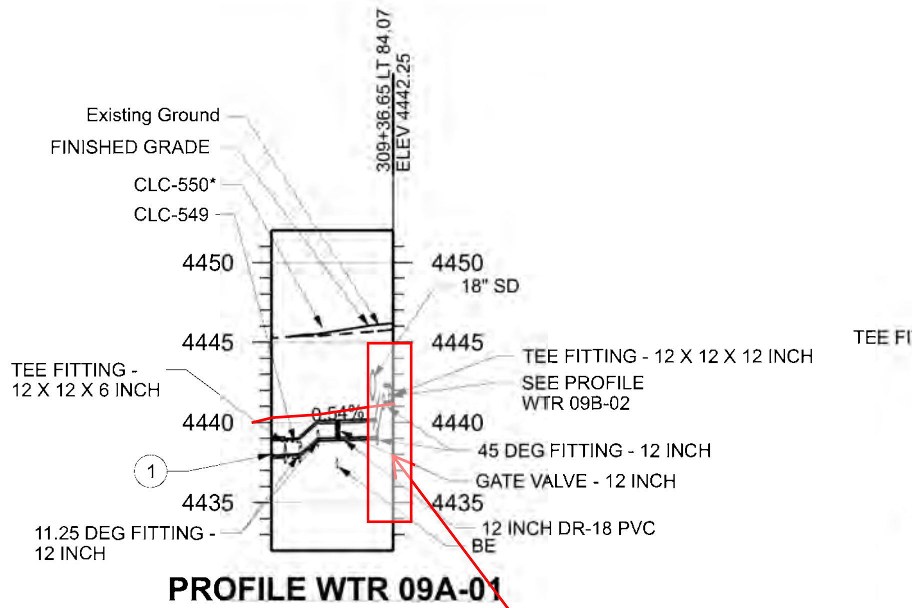
SHEET NO. UT-A-08B

EXHIBIT G

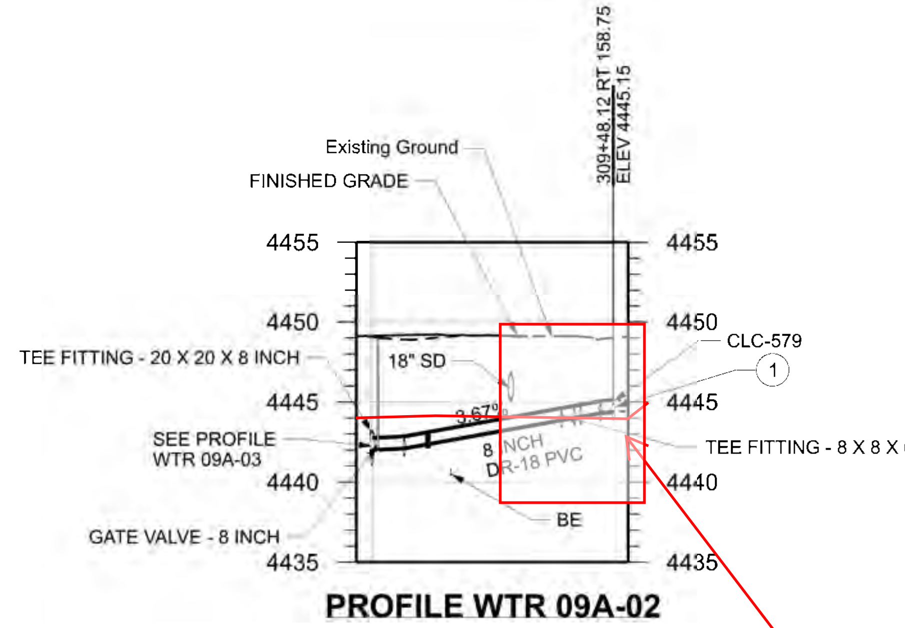


UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
I-15; 1800 NORTH INTERCHANGE
S-I15-8(157)336
PIN 15682
UTILITY - WTR
SHEET NO. UT-A-09
DRAWN BY JMM
QC CHECKED BY CAS
5/14/2024
PROFESSIONAL ENGINEER
APPROVED
REVISIONS
REMARKS
SR-37 (1800 NORTH)
1830 NORTH
1790 NORTH
810 WEST
725 WEST
SEE UT-A-08 - MATCH LINE 304+00.00
MATCH LINE 312+00.00 - SEE UT-A-10
DEV: UA0901 PERPENDICULAR CROSSING
PROFILE WTR 09C-02
PROFILE WTR 09B-01
PROFILE WTR 09C-03
PROFILE WTR 09A-01
PROFILE WTR 09B-02
PROFILE WTR 09C-01
PROFILE WTR 09A-03
PROFILE WTR 09C-05
PROFILE WTR 09A-02
PROFILE WTR 09C-04
NOTES:
1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3 CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
4 CONNECT PROPOSED SERVICE TO EXISTING WATER METER.
5. SEE DR SERIES FOR STORM DRAIN INFORMATION.
6. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.

EXHIBIT G



PROFILE WTR 09A-01



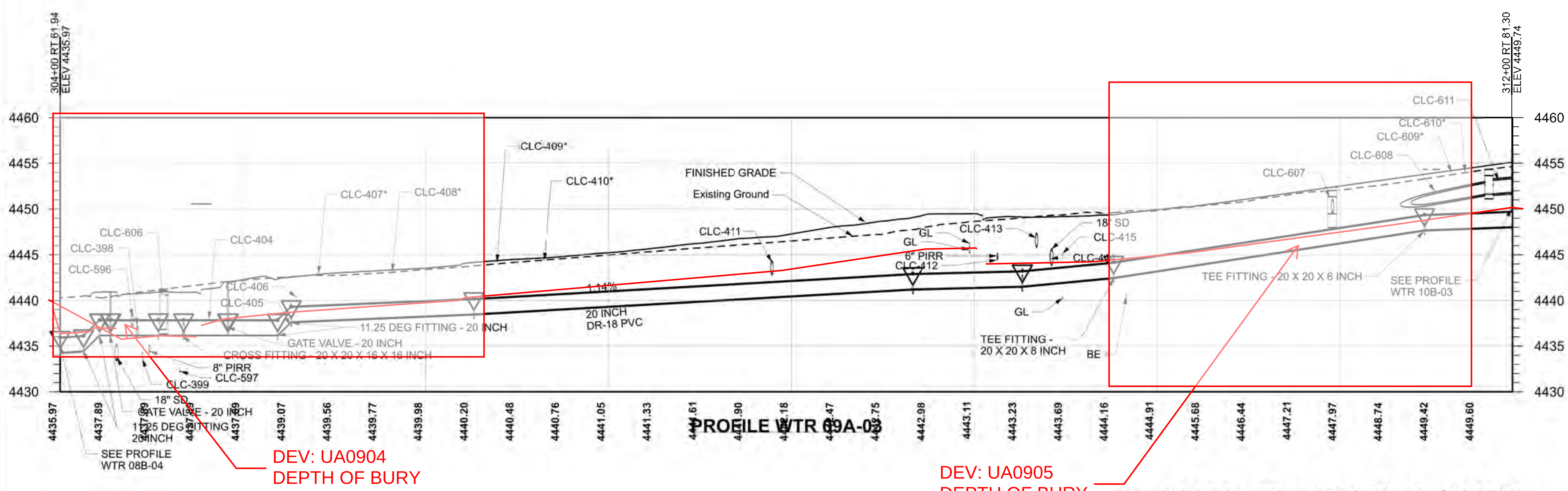
PROFILE WTR 09A-02

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-397	Connext	bfo		No Vertical Conflict
CLC-398	DWCCC	irr	8 inch	Remove Existing Utility
CLC-399	Clinton City	swr	8 inch	No Vertical Conflict
CLC-404	Dominion Energy	gas	2 inch	Loop Existing Utility - Vertical
CLC-405	CenturyLink	bfo	4 inch	Loop Existing Utility - Vertical
CLC-406	CenturyLink	btel	4 inch	Remove Existing Utility
CLC-407*	Clinton City	wtr	unk	Remove Existing Utility
CLC-408*	DWCCC	irr	unk	Remove Existing Utility
CLC-409*	Clinton City	wtr	unk	Remove Existing Utility
CLC-410*	DWCCC	irr	unk	Remove Existing Utility
CLC-411	Clinton City	sd	15 inch	Remove Existing Utility
CLC-412	DWCCC	irr	6 inch	Remove Existing Utility
CLC-413	Clinton City	sd	15 inch	Remove Existing Utility
CLC-414	Clinton City	wtr	8 inch	Remove Existing Utility
CLC-415	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-550	Clinton City	swr	4 inch	Remove Existing Utility
CLC-579	Clinton City	wtr	6 inch	Connect to Existing Utility
CLC-596	Clinton City	sd		Remove Existing Utility
CLC-597	Clinton City	wtr		Remove Existing Utility
CLC-606	Clinton City	sd		Remove Existing Utility
CLC-607	Clinton City	sd		Remove Existing Utility
CLC-608		bfo		Remove Existing Utility
CLC-609*	Clinton City	wtr		Remove Existing Utility
CLC-610*	Clinton City	wtr		Remove Existing Utility
CLC-611	Clinton City	sd		Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.

NOTES:

1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.



PROFILE WTR 09A-03

CLINTON CULINARY WATER

UTAH DEPARTMENT OF TRANSPORTATION

JUB ENGINEERS, INC.

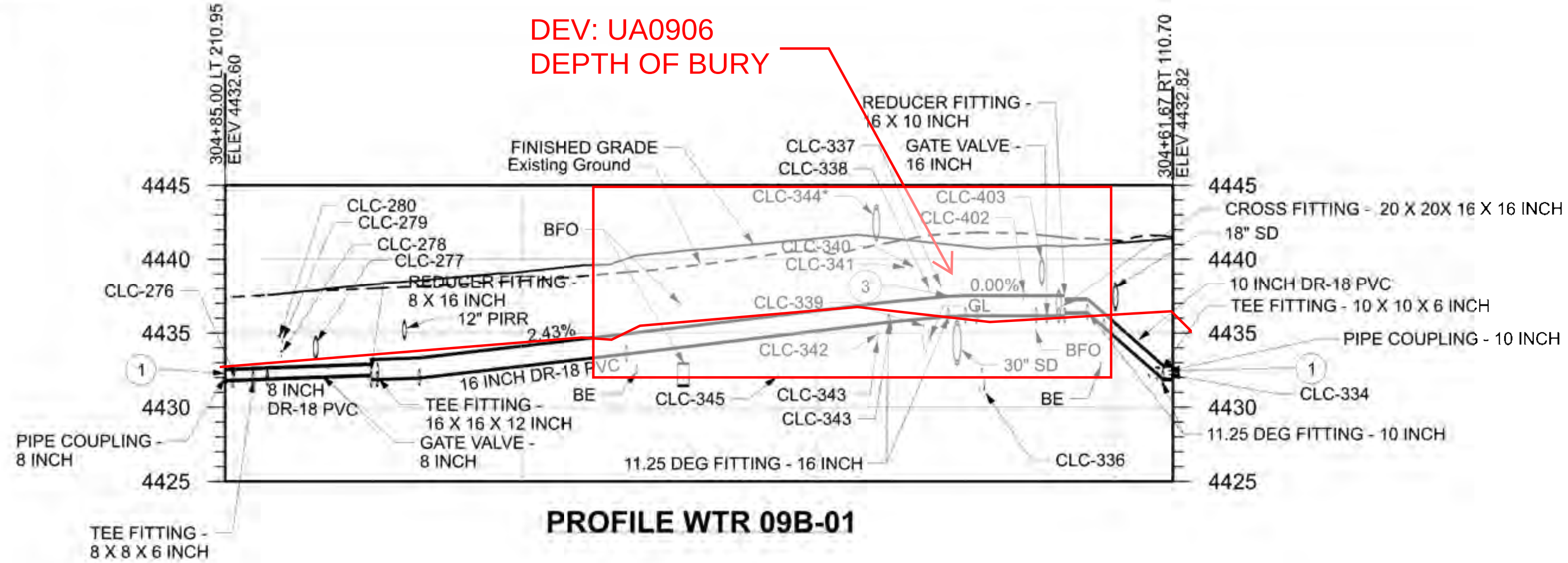
REVISIONS | NO. | DATE | APPROVED BY | REMARKS

DRAWN BY: JMM
QC CHECKED BY: CAS
DATE: 5/14/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN: 15682
PROJECT NUMBER: S-I15-8(157)336
WTR PROFILE

SHEET NO. UT-A-09A

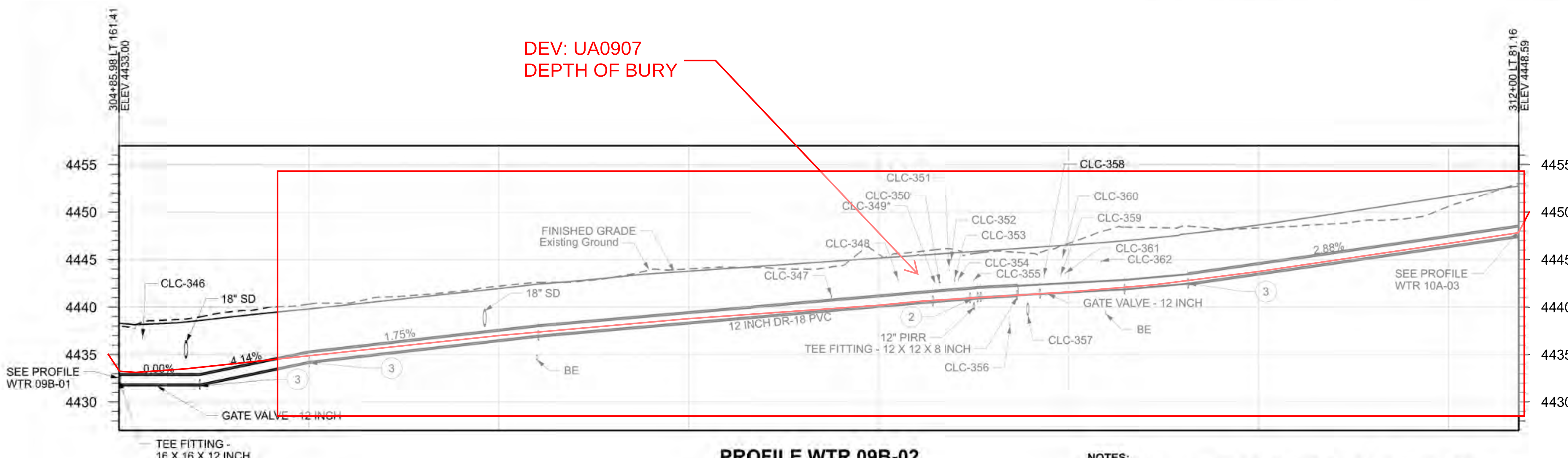
EXHIBIT G



PROFILE WTR 09B-01

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-276	Clinton City	wtr	8 inch	Connect to Existing Utility
CLC-277	Clinton City	sd	15 inch	Remove Existing Utility
CLC-278	RMP	be		No Vertical Conflict
CLC-279	CenturyLink	btel		No Vertical Conflict
CLC-280	Comcast	bctv		No Vertical Conflict
CLC-334	Clinton City	wtr	10 inch	Remove Existing Utility
CLC-336	NDSD	swr	18 inch	No Vertical Conflict
CLC-337	CenturyLink	bfo		Remove Existing Utility
CLC-338	Dominion Energy	gas	4 inch	Remove Existing Utility
CLC-339	Clinton City	wtr	20 inch	Remove Existing Utility
CLC-340	CenturyLink	btel		Remove Existing Utility
CLC-341	CenturyLink	btel		Remove Existing Utility
CLC-342	Comcast	bctv		Remove Existing Utility
CLC-343	Comcast	bfo		Remove Existing Utility
CLC-344*	LDS Church	irr	24 inch	Remove Existing Utility
CLC-345	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-346	Dominion Energy	gas	1.25 inch	No Vertical Conflict
CLC-347	Comcast	bctv	2 inch	Remove Existing Utility
CLC-348	Comcast	bctv	2 inch	No Vertical Conflict
CLC-349*	Clinton City	swr	4 inch	Remove Existing Utility
CLC-350	RMP	be	4 inch	No Vertical Conflict
CLC-351	Comcast	bfo	4 inch	No Vertical Conflict
CLC-352	Comcast	bctv	4 inch	No Vertical Conflict
CLC-353	RMP	be	4 inch	No Vertical Conflict
CLC-354	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-355	DWCCC	irr	6 inch	Remove Existing Utility
CLC-356	Clinton City	wtr	12 inch	Remove Existing Utility
CLC-357	Clinton City	sd	8 inch	Remove Existing Utility
CLC-358	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-359	RMP	be	4 inch	Adjust Existing Utility
CLC-360	RMP	be	4 inch	No Vertical Conflict
CLC-361	Connext	bfo	4 inch	Abandon Existing Utility
CLC-362	Comcast	bctv	2 inch	No Vertical Conflict
CLC-402	DWCCC	irr	8 inch	No Vertical Conflict
CLC-403	Clinton City	sd	18 inch	Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.



PROFILE WTR 09B-02

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS | REMARKS | APPROVED BY | DATE | NO.

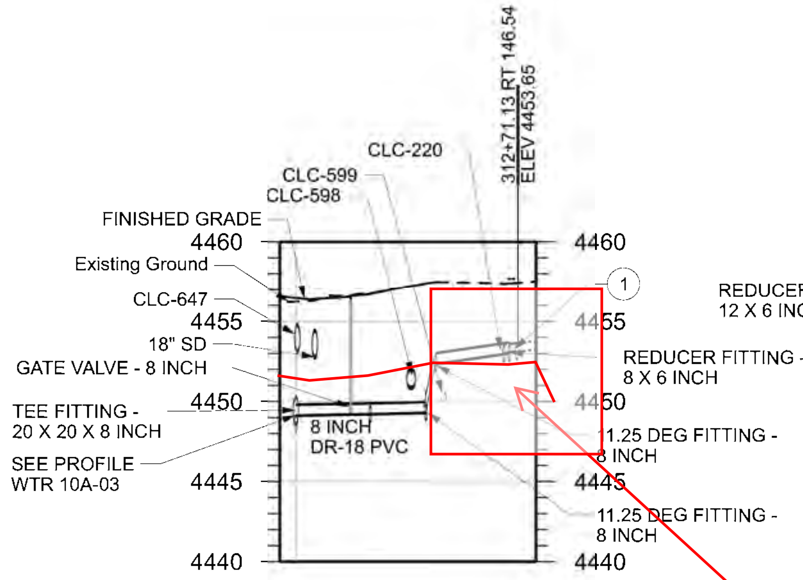
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY: JMM
QC CHECKED BY: CAS
DATE: 5/14/2024
APPROVED
PROFESSIONAL ENGINEER

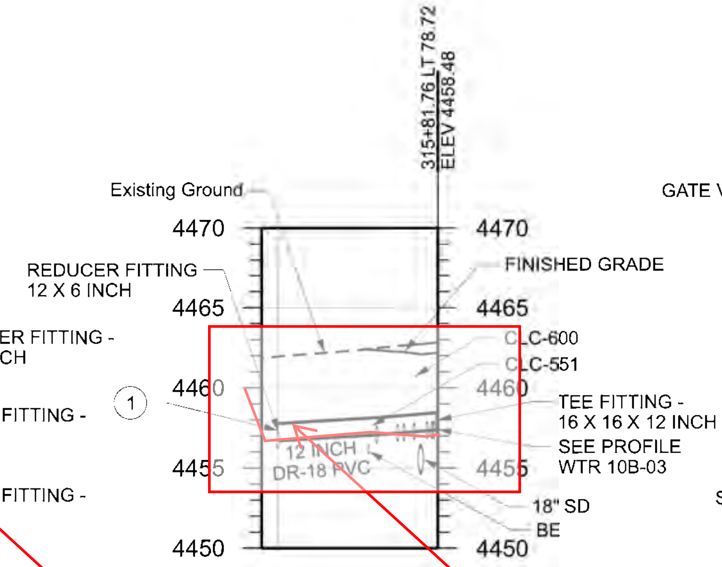
PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
WTR PROFILE

SHEET NO. UT-A-09B

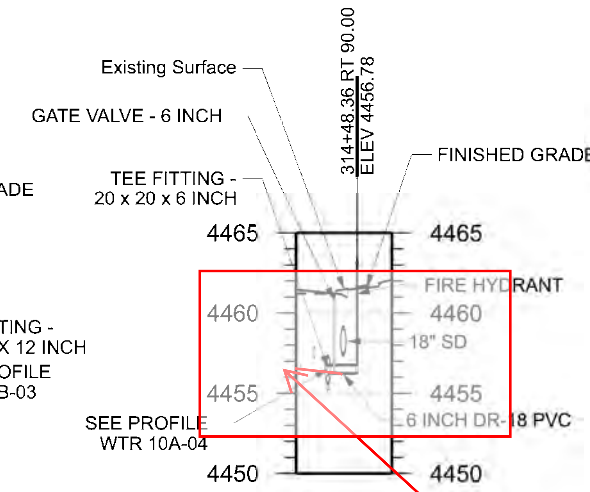
EXHIBIT G



PROFILE WTR 10A-01



PROFILE WTR 10A-02



PROFILE WTR 10A-04

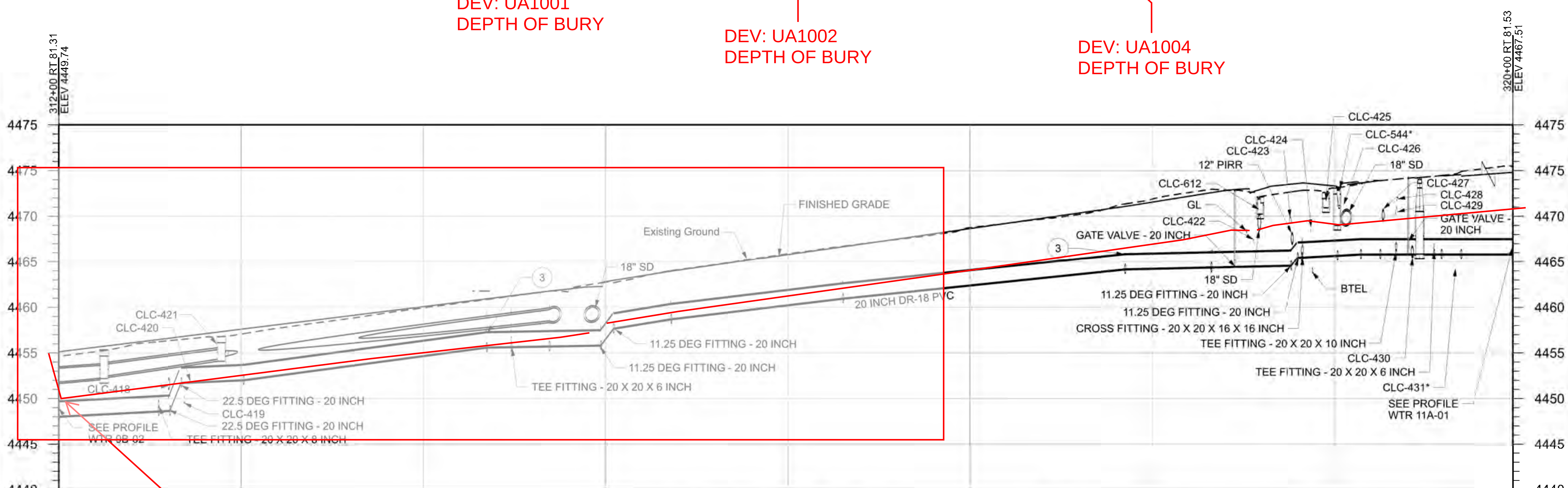
Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-220	Clinton City	wtr	6 inch	Connect to Existing Utility
CLC-418	DWCCC	irr	8 inch	No Vertical Conflict
CLC-419	Clinton City	swr	8 inch	No Vertical Conflict
CLC-420	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-421	Clinton City	sd	12 inch	Remove Existing Utility
CLC-422	Dominion Energy	gas	4 inch	No Vertical Conflict
CLC-423	DWCCC	irr	12 inch	Remove Existing Utility
CLC-424	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-425	Clinton City	sd	12 inch	No Vertical Conflict
CLC-426	Comcast	bctv	4 inch	No Vertical Conflict
CLC-427	Clinton City	sd	10 inch	Remove Existing Utility
CLC-428	RMP	be	4 inch	Remove Existing Utility
CLC-429	Clinton City	wtr	10 inch	Remove Existing Utility
CLC-430	Clinton City	sd	12 inch	Relocate Existing Utility
CLC-431*	Clinton City	wtr	6 inch	Protect in Place Existing Utility
CLC-544	DWCCC	irr av		Relocate Existing Utility
CLC-551	Clinton City	wtr	12 inch	Connect to Existing Utility
CLC-598	Clinton City	irr		No Vertical Conflict
CLC-599	Clinton City	swr		No Vertical Conflict
CLC-600		bfo		No Vertical Conflict
CLC-612	Clinton City	sd		Remove Existing Utility
CLC-647	Clinton City	sd	18 inch	Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.

DEV: UA1001
DEPTH OF BURY

DEV: UA1002
DEPTH OF BURY

DEV: UA1004
DEPTH OF BURY



PROFILE WTR 10A-03

DEV: UA1003
DEPTH OF BURY

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

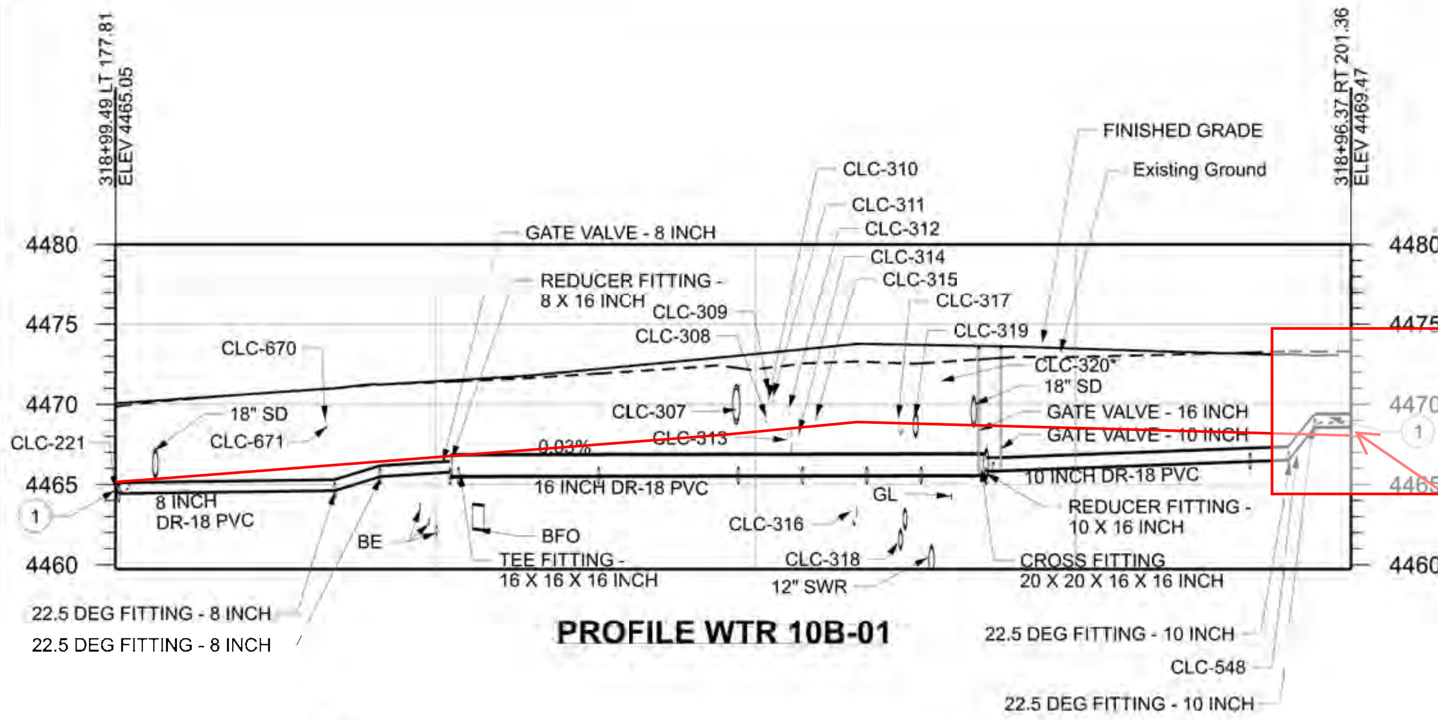
REVISIONS | NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

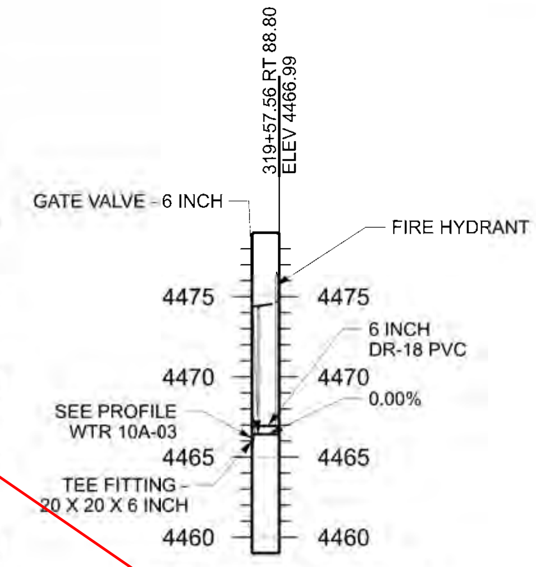
DRAWN BY JMM
QC CHECKED BY CAS
DATE 5/14/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
WTR PROFILE
SHEET NO. UT-A-10A

EXHIBIT G



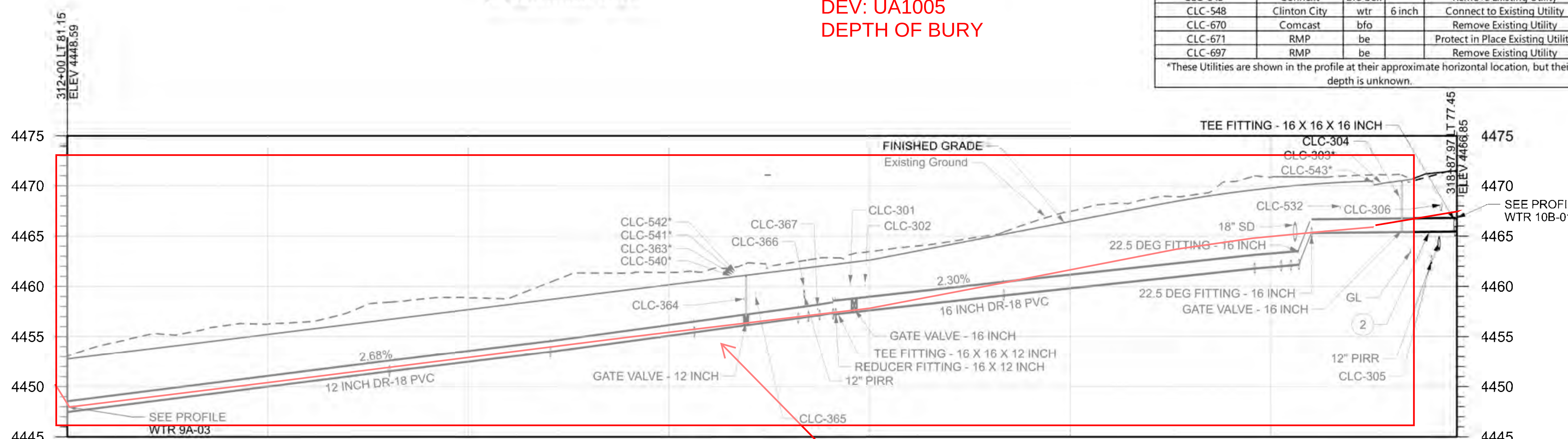
PROFILE WTR 10B-01



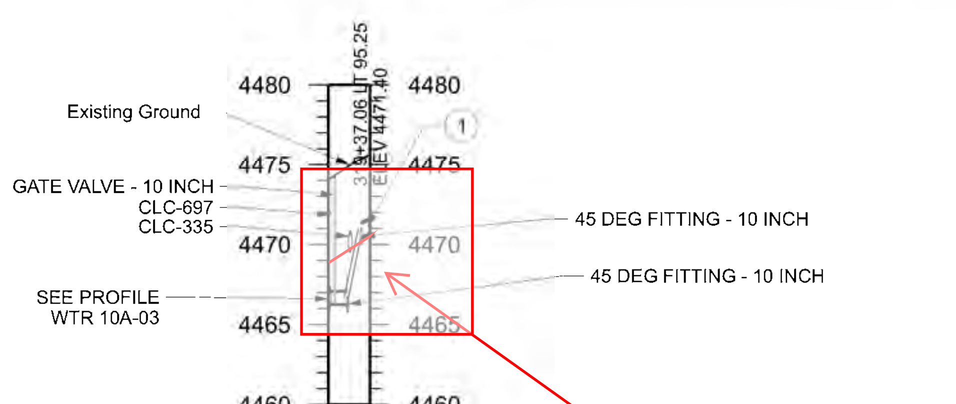
PROFILE WTR 10B-02

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-221	Clinton City	wtr	6 inch	Connect to Existing Utility
CLC-301	CenturyLink	btel	4 inch	Remove Existing Utility
CLC-302	Connext	bfo		Remove Existing Utility
CLC-303*	Comcast	bctv		Remove Existing Utility
CLC-304	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-305	Clinton City	swr	8 inch	No Vertical Conflict
CLC-306	DWCCC	irr	12 inch	Remove Existing Utility
CLC-307	LDS Church	irr	24 inch	Remove Existing Utility
CLC-308	CenturyLink	btel		Abandon Existing Utility
CLC-309	CenturyLink	btel		Abandon Existing Utility
CLC-310	CenturyLink	btel		Abandon Existing Utility
CLC-311	CenturyLink	btel		Abandon Existing Utility
CLC-312	CenturyLink	btel		Abandon Existing Utility
CLC-313	Clinton City	wtr	20 inch	Remove Existing Utility
CLC-314	Dominion Energy	gas	4 inch	Abandon Existing Utility
CLC-315	CenturyLink	bfo		Abandon Existing Utility
CLC-316	NDSD	swr	18 inch	No Vertical Conflict
CLC-317	Clinton City	wtr	12 inch	Remove Existing Utility
CLC-318	Clinton City	sd	8 inch	No Vertical Conflict
CLC-319	Clinton City	sd	15 inch	Remove Existing Utility
CLC-320*	DWCCC	irr	2 inch	Abandon Existing Utility
CLC-335	Clinton City	sd	8 inch	Protect in Place Existing Utility
CLC-363*	Connext	bfo		Remove Existing Utility
CLC-364	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-365	RMP	be	4 inch	No Vertical Conflict
CLC-366	DWCCC	irr	6 inch	Remove Existing Utility
CLC-367	Clinton City	wtr	6 inch	Remove Existing Utility
CLC-532	Comcast	bctv		No Vertical Conflict
CLC-540*	Connext	bfo box		Remove Existing Utility
CLC-541*	Connext	bfo box		Remove Existing Utility
CLC-542*	Connext	bfo box		Remove Existing Utility
CLC-543*	Connext	bfo box		Remove Existing Utility
CLC-548	Clinton City	wtr	6 inch	Connect to Existing Utility
CLC-670	Comcast	bfo		Remove Existing Utility
CLC-671	RMP	be		Protect in Place Existing Utility
CLC-697	RMP	be		Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.



PROFILE WTR 10B-03



PROFILE WTR 10B-04

NOTES:

1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

DRAWN BY: JMM
QC CHECKED BY: CAS
DATE: 5/14/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN: 15682
PROJECT NUMBER: S-I15-8(157)336
WTR PROFILE

SHEET NO. UT-A-10B

EXHIBIT G

REGION 1 14-MAY-2024 14:24 cjensen DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682_I-15_1800_NORTH_INTERCHANGE/Utilities/15682_UT-A-11.dgn

NOTES:

1. SEE UT-B SERIES FOR IRRIGATION, PRESSURIZED IRRIGATION AND SEWER INFORMATION.
2. SEE UR SERIES FOR COMMUNICATION, POWER, AND GAS INFORMATION.
3. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
4. SEE DR SERIES FOR STORM DRAIN INFORMATION.
5. SEE EXUT SERIES FOR EXISTING UTILITY INFORMATION.
6. SEE UTDT-02A FOR CASING DETAILS.
7. SEE HDPE PIPE TRANSITION TO PVC OR DUCTILE IRON PIPE, SHEET UTDT-07V.
8. CONNECTIONS BETWEEN THE TEE AND THE FIRE HYDRANT SHALL BE FLANGED OR BE MECHANICALLY RESTRAINTED.
9. MECHANICALLY RESTRAIN ALL FITTINGS AND JOINTS WITHIN 14' OF THIS BEND.
10. MECHANICALLY RESTRAIN ALL FITTINGS AND JOINTS BETWEEN AND INCLUDING THE THE SLEEVE AND THE TEE AS WELL AS 10' ALONG THE RUN OF THE TEE IN BOTH DIRECTIONS. ALSO PLACE THRUST BLOCKS AT THE BEND FITTINGS. ROTATE THE BEND FITTINGS APPROXIMATELY 20 DEGREES TO ACCOMPLISH BOTH THE HORIZONTAL AND VERTICAL TRANSITION.
11. MECHANICALLY RESTRAIN ALL FITTINGS AND JOINTS BETWEEN AND INCLUDING THE THE SLEEVE AND THE TEE AS WELL AS 10' ALONG THE RUN OF THE TEE IN BOTH DIRECTIONS. ALSO PLACE THRUST BLOCKS AT THE BEND FITTINGS. ROTATE THE BEND FITTINGS APPROXIMATELY 10 DEGREES TO ACCOMPLISH BOTH THE HORIZONTAL AND VERTICAL TRANSITION.

CULINARY PIPE AND FITTINGS - 8 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
322+00.56 LT 67.00 TO 322+04.33 LT 71.73
322+00.56 LT 67.00 TO 322+14.21 RT 102.86
322+04.33 LT 71.73 TO 322+10.56 LT 79.55

45 DEG FITTING - 8 INCH (SUNSET)
SR-37 (1800 NORTH)
322+00.56 LT 67.00

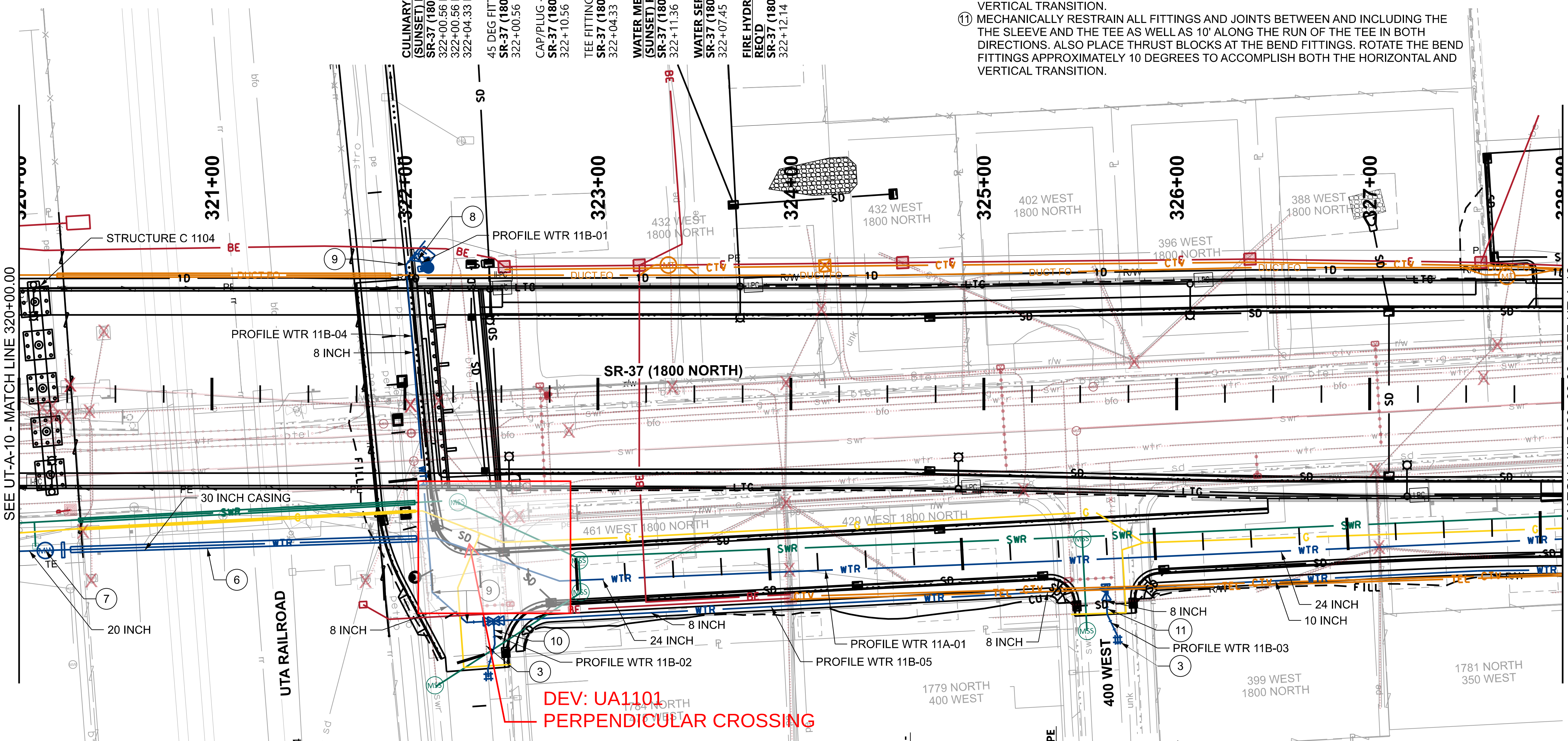
CAP/PLUG - 8 INCH (SUNSET)
SR-37 (1800 NORTH)
322+10.56 LT 79.55

TEE FITTING - 8 X 8 X 6 INCH (SUNSET)
SR-37 (1800 NORTH)
322+04.33 LT 71.73

WATER METER BOX AND SETTER - 2 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
322+11.36 LT 72.52

WATER SERVICE - 2 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
322+07.45 LT 75.64 TO 322+11.36 LT 72.52

FIRE HYDRANT ASSEMBLY, SHORT (SUNSET) REQ'D
SR-37 (1800 NORTH)
322+12.14 LT 65.50



CULINARY PIPE AND FITTINGS - 10 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
325+62.86 RT 101.10 TO 325+63.29 RT 101.08
325+63.29 RT 101.08 TO MATCH LINE RT 91.14

TEE FITTING - 10 X 10 X 8 INCH (SUNSET)
SR-37 (1800 NORTH)
325+63.29 RT 101.08

REDUCER FITTING - 10 X 8 INCH (SUNSET)
SR-37 (1800 NORTH)
325+62.80 RT 101.11

CULINARY PIPE AND FITTINGS - 20 INCH (CLINTON) REQ'D
SR-37 (1800 NORTH)
MATCH LINE RT 81.53 TO 320+21.65 RT 80.85

CULINARY PIPE AND FITTINGS - 8 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
322+14.21 RT 102.86 TO 322+31.89 RT 118.42
322+31.89 RT 118.42 TO 322+45.98 RT 117.68
322+45.98 RT 117.68 TO 325+62.86 RT 101.10
325+63.29 RT 101.08 TO 325+63.98 RT 114.22
325+69.30 RT 125.37 TO 325+69.41 RT 127.37
322+42.97 RT 142.41 TO 322+46.61 RT 129.67
325+63.98 RT 114.22 TO 325+69.30 RT 125.37
322+42.97 RT 142.41 TO 322+46.61 RT 129.67
322+45.98 RT 117.68 TO 322+46.61 RT 129.67

45 DEG FITTING - 8 INCH (SUNSET)
SR-37 (1800 NORTH)
322+14.21 RT 102.86
322+31.89 RT 118.42
322+43.26 RT 146.40 (VERTICAL FITTING)
322+46.19 RT 121.68

PIPE COUPLING - 8 INCH (SUNSET)
SR-37 (1800 NORTH)
322+43.26 RT 146.40

TEE FITTING - 8 X 8 X 8 INCH (SUNSET)
SR-37 (1800 NORTH)
322+45.98 RT 117.68

22.5 DEG FITTING - 8 INCH (SUNSET)
SR-37 (1800 NORTH)
322+42.97 RT 142.41 (VERTICAL FITTING)
322+46.61 RT 129.67
325+63.98 RT 114.22
325+69.30 RT 125.37

30 INCH STEEL CASING AND CULINARY PIPE - 24 INCH, DR 11 HDPE PRESSURE (RR CROSSING) (CLINTON) REQ'D
SR-37 (1800 NORTH)
320+26.71 RT 80.69 TO 322+06.05 RT 75.09

GATE VALVE - 8 INCH (SUNSET) REQ'D
SR-37 (1800 NORTH)
322+44.78 RT 117.75
322+47.18 RT 117.62
325+63.38 RT 102.73

IN-LINE CONCRETE ANCHOR BLOCK FOR HDPE PIPE (CLINTON) REQ'D
SR-37 (1800 NORTH)
320+22.85 RT 80.81

FLOWMETER AND CHLORINE INJECTION ASSEMBLY (CLINTON) REQ'D
SR-37 (1800 NORTH)
320+13.61 RT 81.10

CULINARY PIPE - 24 INCH, (IPS) DR11 HDPE, PRESSURIZED (CLINTON) REQ'D
SR-37 (1800 NORTH)
320+21.65 RT 80.85 TO 320+26.71 RT 80.69
322+06.05 RT 75.09 TO MATCH LINE RT 75.14

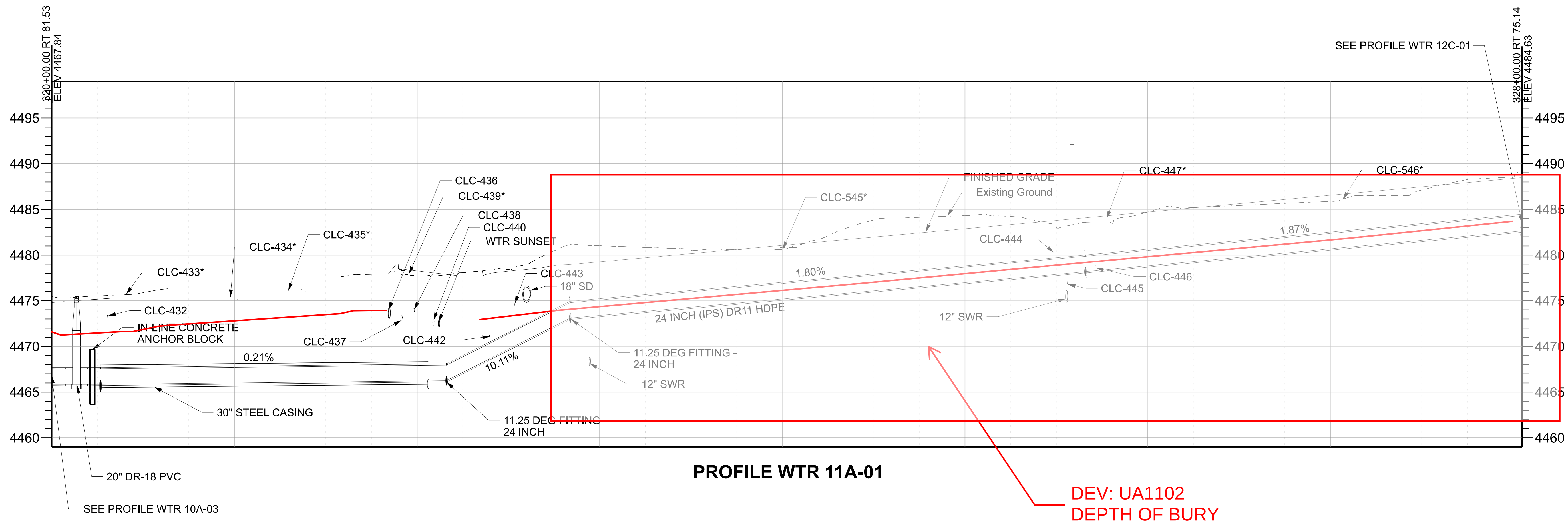
PROJECT	I-15; 1800 NORTH INTERCHANGE	UTAH DEPARTMENT OF TRANSPORTATION JUB ENGINEERS, INC.	DRAWN BY	JMM
PROJECT NUMBER	S-I15-8(157)336 PIN 15682	APPROVED	QC CHECKED BY	CAS
	UTILITY - WTR	PROFESSIONAL ENGINEER 5/14/2024 DATE		

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

SHEET NO. UT-A-11

EXHIBIT G



PROFILE WTR 11A-01

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-432	CenturyLink	btel	4 inch	No Vertical Conflict
CLC-433*	Clinton City	sd	12 inch	Remove Existing Utility
CLC-434*	Clinton City	sd	12 inch	Protect in Place Existing Utility
CLC-435*	UTA	bfo		Protect in Place Existing Utility
CLC-436	Clinton City	sd	12 inch	Remove Existing Utility
CLC-437	Marathon Petroleum	gas	8 inch	No Vertical Conflict
CLC-438	Marathon Petroleum	gas	8 inch	No Vertical Conflict
CLC-439	Sunset City	sd	42 inch	No Vertical Conflict
CLC-440	Sunset City	swr	8 inch	No Vertical Conflict
CLC-442	Sunset City	wtr	8 inch	Remove Existing Utility
CLC-443	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-444	Dominion Energy	gas	2 inch	Loop Existing Utility - Vertical
CLC-445	Sunset City	swr	8 inch	Relocate Existing Utility
CLC-446	Sunset City	wtr	4 inch	Remove Existing Utility
CLC-447	Dominion Energy	gas	2 inch	Loop Existing Utility - Vertical
CLC-545*	RMP	epp		Remove Existing Utility
CLC-546*	RMP	epp		Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATIONS ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY: JMM
QC CHECKED BY: CAS
DATE: 5/16/2024
APPROVED
PROFESSIONAL ENGINEER

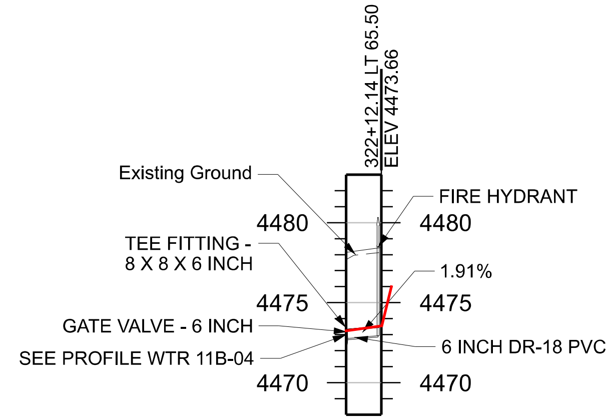
PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
WTR PROFILE

SHEET NO. UT-A-11A

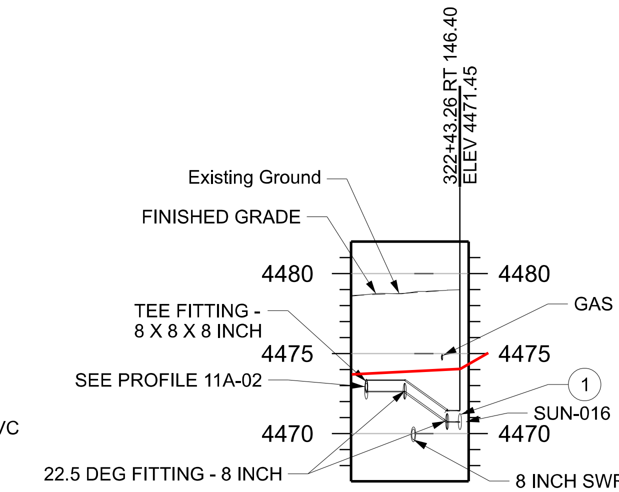
EXHIBIT G

Conflict ID Number	Owner	Utility	Size	Final Disposition
SUN-005*	Sunset City	sd	18 inch	Remove Existing Utility
SUN-006	CenturyLink	btel		No Vertical Conflict
SUN-007	LDS Church	irr	24 inch	Remove Existing Utility
SUN-008	NDSD	swr	12 inch	Remove Existing Utility
SUN-009	Dominion Energy	gas	4 inch	Remove Existing Utility
SUN-010	Clinton City	wtr	20 inch	Remove Existing Utility
SUN-011	CenturyLink	bfo		Remove Existing Utility
SUN-012	NDSD	swr	18 inch	Remove Existing Utility
SUN-013	Clinton City	wtr	12 inch	Remove Existing Utility
SUN-014*	Sunset City	sd	15 inch	Remove Existing Utility
SUN-015	Sunset City	wtr	8 inch	Remove Existing Utility
SUN-016	Sunset City	wtr	8 inch	Connect to Existing Utility
SUN-017	Dominion Energy	gas	2 inch	No Vertical Conflict
SUN-018	Dominion Energy	gas	2 inch	No Vertical Conflict
SUN-019	Sunset City	swr	8 inch	Remove Existing Utility
SUN-020	Sunset City	wtr	4 inch	Connect to Existing Utility
SUN-110	Sunset City	wtr	4 inch	Remove Existing Utility
SUN-111*	Unknown			Protect in Place Existing Utility
SUN-130*		bfo		Remove Existing Utility

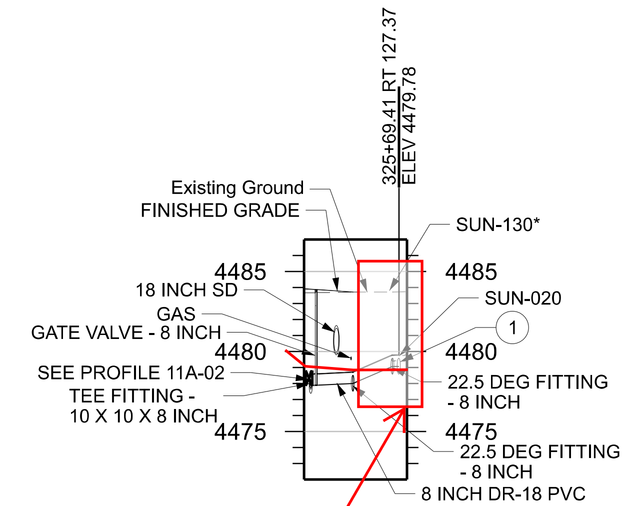
*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.



PROFILE WTR 11B-01

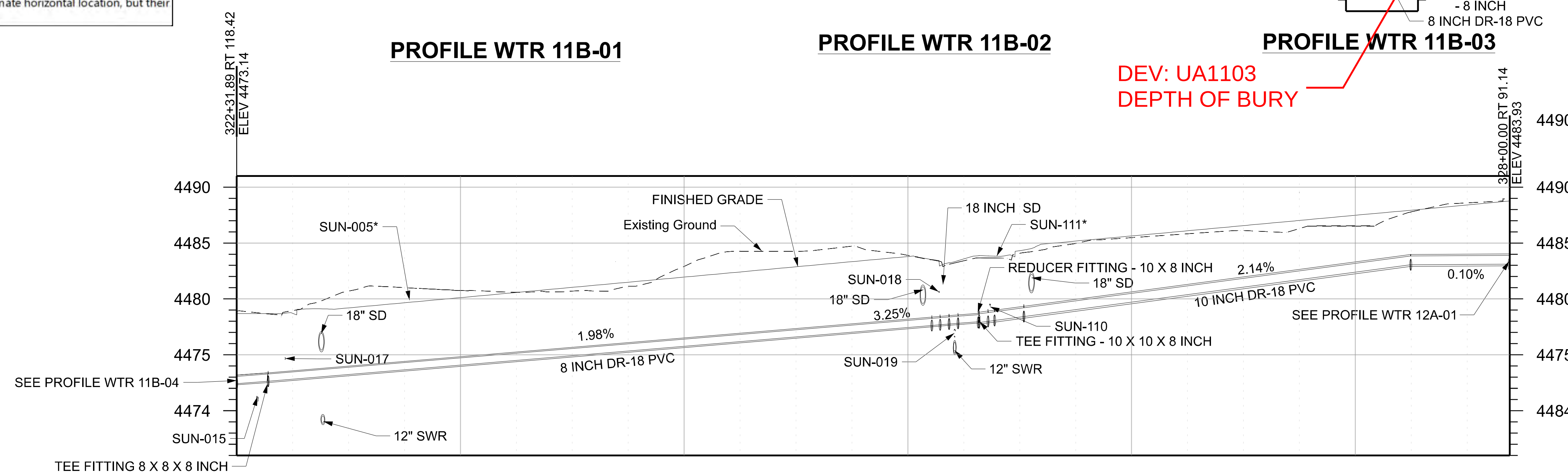


PROFILE WTR 11B-02

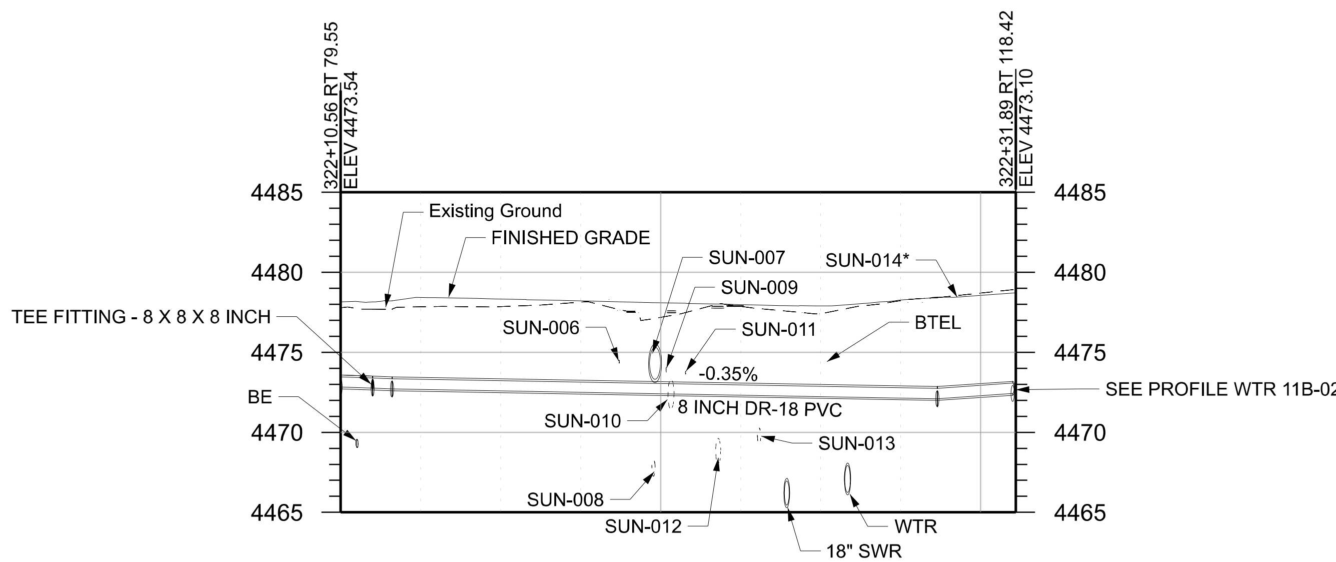


PROFILE WTR 11B-03

DEV: UA1103
DEPTH OF BURY



PROFILE WTR 11B-05



PROFILE WTR 11B-04

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATIONS ARE TO TOP OUTSIDE OF PIPE.

SUNSET CULINARY WATER

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

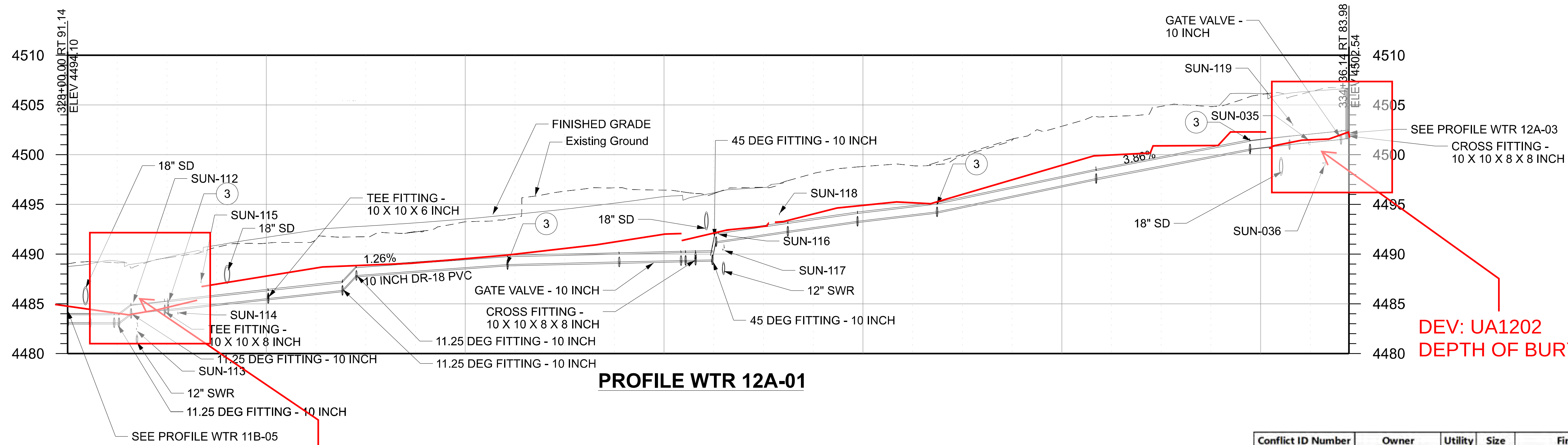
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY: JMM
QC CHECKED BY: CAS
DATE: 5/16/2024
APPROVED
PROFESSIONAL ENGINEER

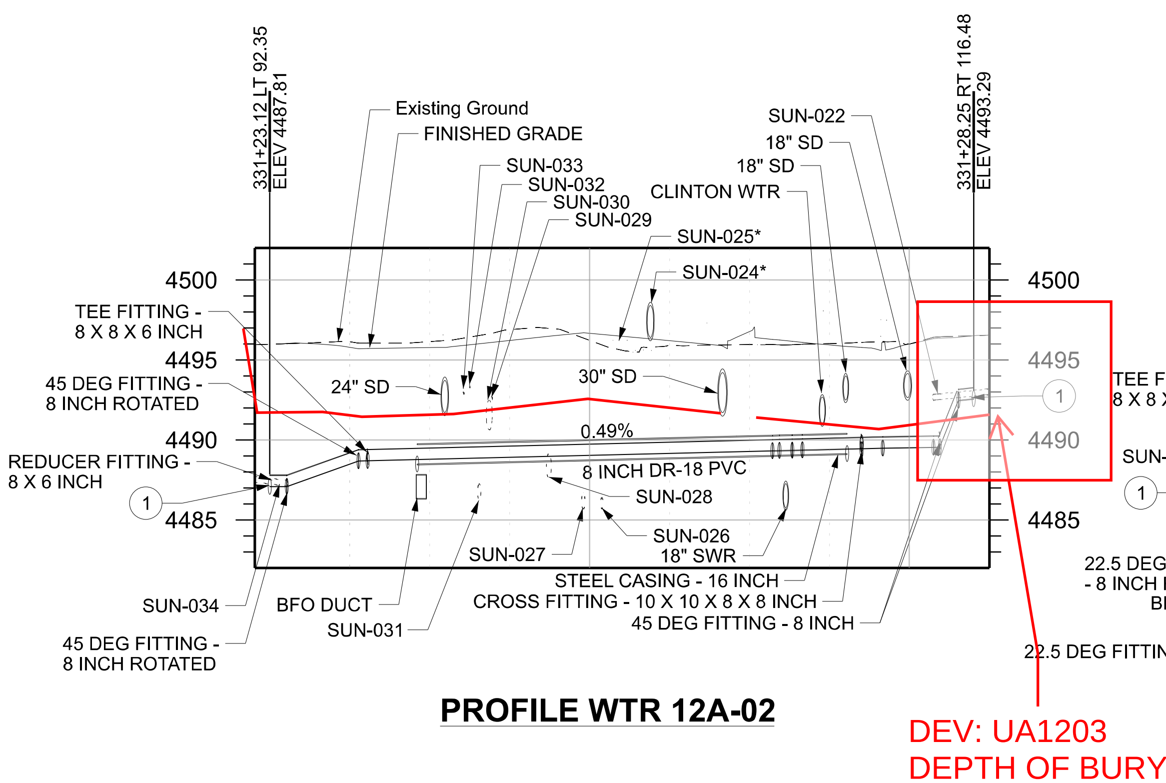
PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN: 15682
PROJECT NUMBER: S-I15-8(157)336
WTR PROFILE

SHEET NO. UT-A-11B

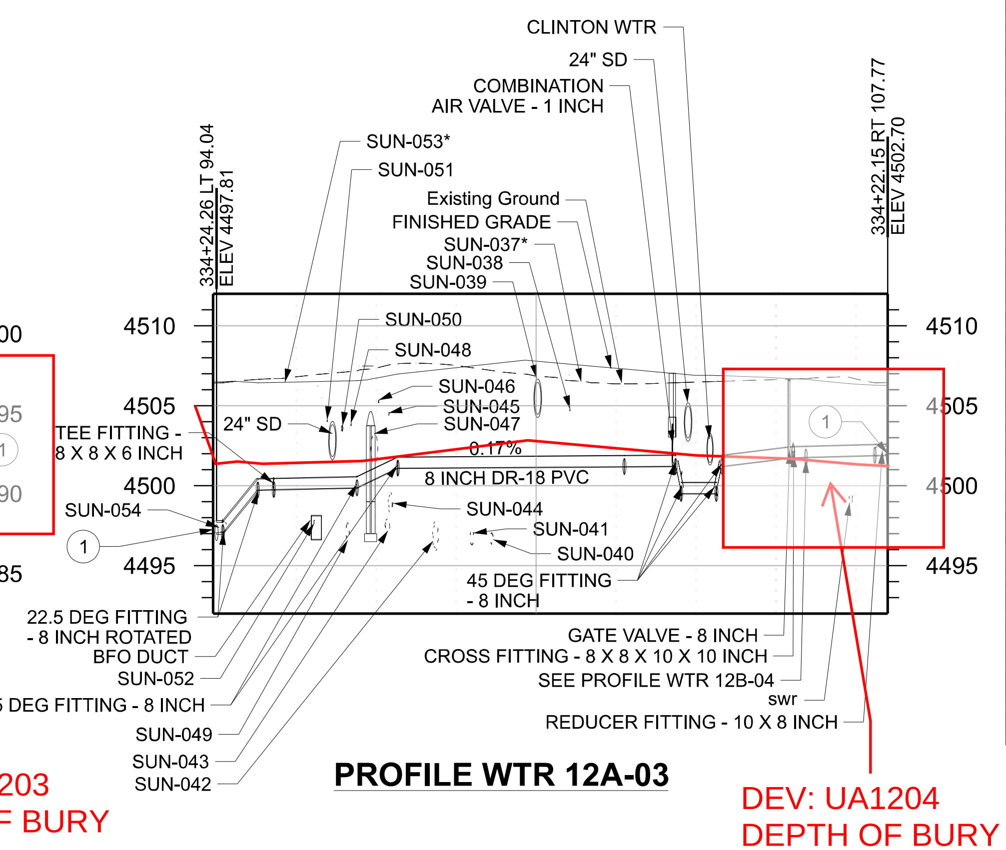
EXHIBIT G



PROFILE WTR 12A-01



PROFILE WTR 12A-02



PROFILE WTR 12A-03

Conflict ID Number	Owner	Utility	Size	Final Disposition
SUN-022	Sunset City	wtr	4 inch	Connect to Existing Utility
SUN-024*	LDS Church	irr	unk	Remove Existing Utility
SUN-025	Sunset City	sd	18 inch	Remove Existing Utility
SUN-026	Sunset City	wtr	8 inch	Remove Existing Utility
SUN-027	Clinton City	wtr	12 inch	Remove Existing Utility
SUN-028	NDSD	swr	18 inch	Remove Existing Utility
SUN-029	CenturyLink	bfo		Remove Existing Utility
SUN-030	Clinton City	wtr	20 inch	Remove Existing Utility
SUN-031	NDSD	swr	12 inch	No Vertical Conflict
SUN-032	CenturyLink	btel	2 inch	Remove Existing Utility
SUN-033	Dominion Energy	gas	4 inch	Remove Existing Utility
SUN-034	Sunset City	wtr	6 inch	Connect to Existing Utility
SUN-035	Sunset City	wtr	6 inch	Remove Existing Utility
SUN-036	Sunset City	swr	8 inch	No Vertical Conflict
SUN-037*	Sunset City	sd	12 inch	Remove Existing Utility
SUN-038	UDOT	be		No Vertical Conflict
SUN-039	LDS Church	irr	unk	No Vertical Conflict
SUN-040	Sunset City	wtr	8 inch	No Vertical Conflict
SUN-041	Clinton City	wtr	12 inch	No Vertical Conflict
SUN-042	NDSD	swr	18 inch	No Vertical Conflict
SUN-043	Sunset City	wtr	8 inch	No Vertical Conflict
SUN-044	NDSD	swr	12 inch	No Vertical Conflict
SUN-045	CenturyLink	bfo	2 inch	No Vertical Conflict
SUN-046	CenturyLink	btel	2 inch	No Vertical Conflict
SUN-047	Clinton City	wtr	20 inch	Remove Existing Utility
SUN-048	Dominion Energy	gas	2 inch	No Vertical Conflict
SUN-049	NDSD	swr	12 inch	No Vertical Conflict
SUN-050	Dominion Energy	gas	4 inch	No Vertical Conflict
SUN-051	UDOT	be		No Vertical Conflict
SUN-052	CenturyLink	btel	2 inch	No Vertical Conflict
SUN-054	Sunset City	wtr	8 inch	Connect to Existing Utility
SUN-112	Sunset City	sd	12 inch	Remove Existing Utility
SUN-113	Sunset City	swr	8 inch	Remove Existing Utility
SUN-114	Sunset City	wtr	4 inch	Remove Existing Utility
SUN-115	Dominion Energy	gas	2 inch	Adjust Proposed Utility in Design
SUN-116	Sunset City	wtr	4 inch	Remove Existing Utility
SUN-117	Sunset City	swr	8 inch	Remove Existing Utility
SUN-118	Dominion Energy	gas	2 inch	Remove Existing Utility
SUN-119	Dominion Energy	gas	2 inch	No Vertical Conflict

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATION ARE TO TOP OUTSIDE OF PIPE.

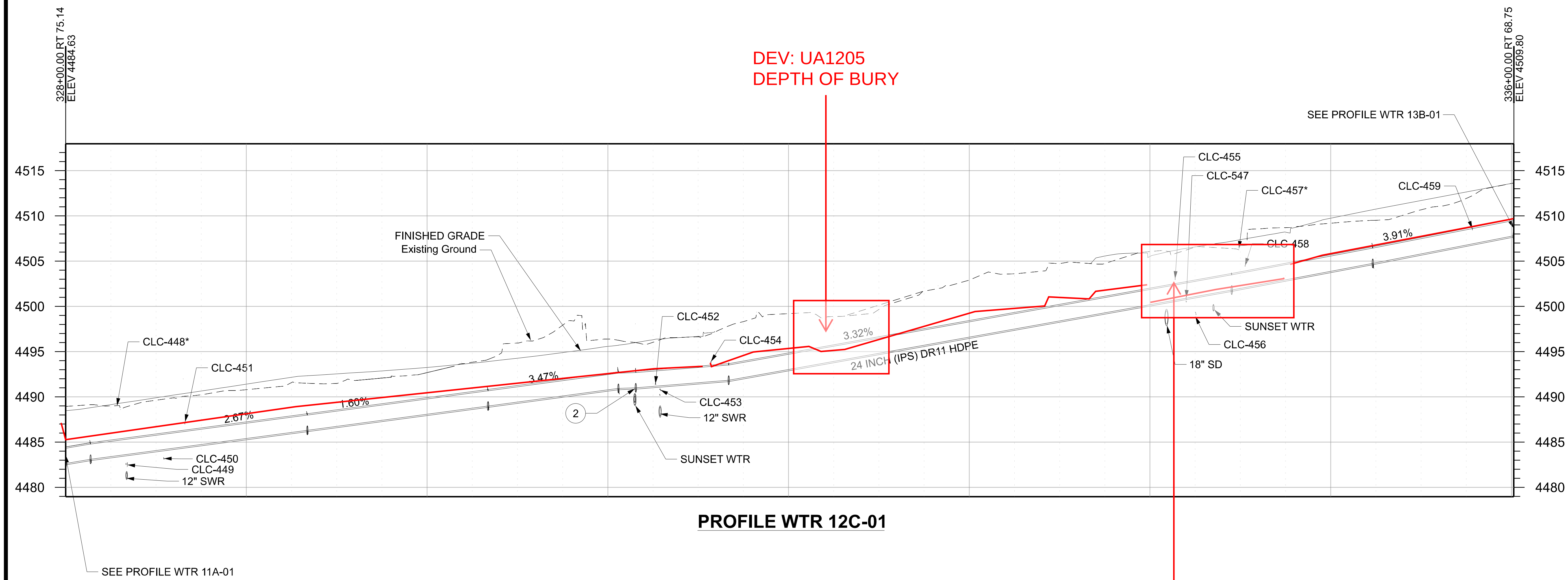
SUNSET CULINARY WATER

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.
DRAWN BY JMM
QC CHECKED BY CAS
5/16/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
WTR PROFILE
SHEET NO. UT-A-12A

EXHIBIT G



PROFILE WTR 12C-01

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-448*	Sunset City	sd	12 inch	Remove Existing Utility
CLC-449	Sunset City	swr	8 inch	Remove Existing Utility
CLC-450	Sunset City	wtr	4 inch	Abandon Existing Utility
CLC-451	Dominion Energy	gas	2 inch	No Vertical Conflict
CLC-452	Sunset City	wtr	4 inch	Remove Existing Utility
CLC-453	Sunset City	swr	8 inch	Remove Existing Utility
CLC-454	Dominion Energy	gas	2 inch	Remove Existing Utility
CLC-455	Dominion Energy	gas	2 inch	Loop Existing Utility - Vertical
CLC-456	Sunset City	swr	8 inch	No Vertical Conflict
CLC-457*	Sunset City	sd	12 inch	Remove Existing Utility
CLC-458	RMP	be		Abandon Existing Utility
CLC-459	CenturyLink	btel	2 inch	Loop Existing Utility - Vertical
CLC-547	Sunset City	wtr	6 inch	Remove Existing Utility
*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.				

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATIONS ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY: JMM
QC CHECKED BY: CAS
DATE: 5/16/2024
APPROVED
PROFESSIONAL ENGINEER

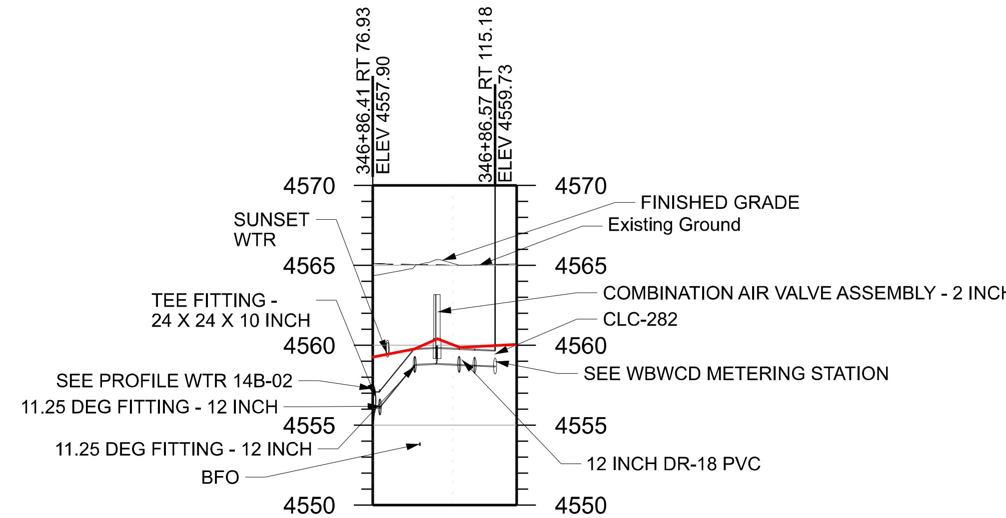
PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN: 15682
PROJECT NUMBER: S-I15-8(157)336
WTR PROFILE

SHEET NO. UT-A-12C

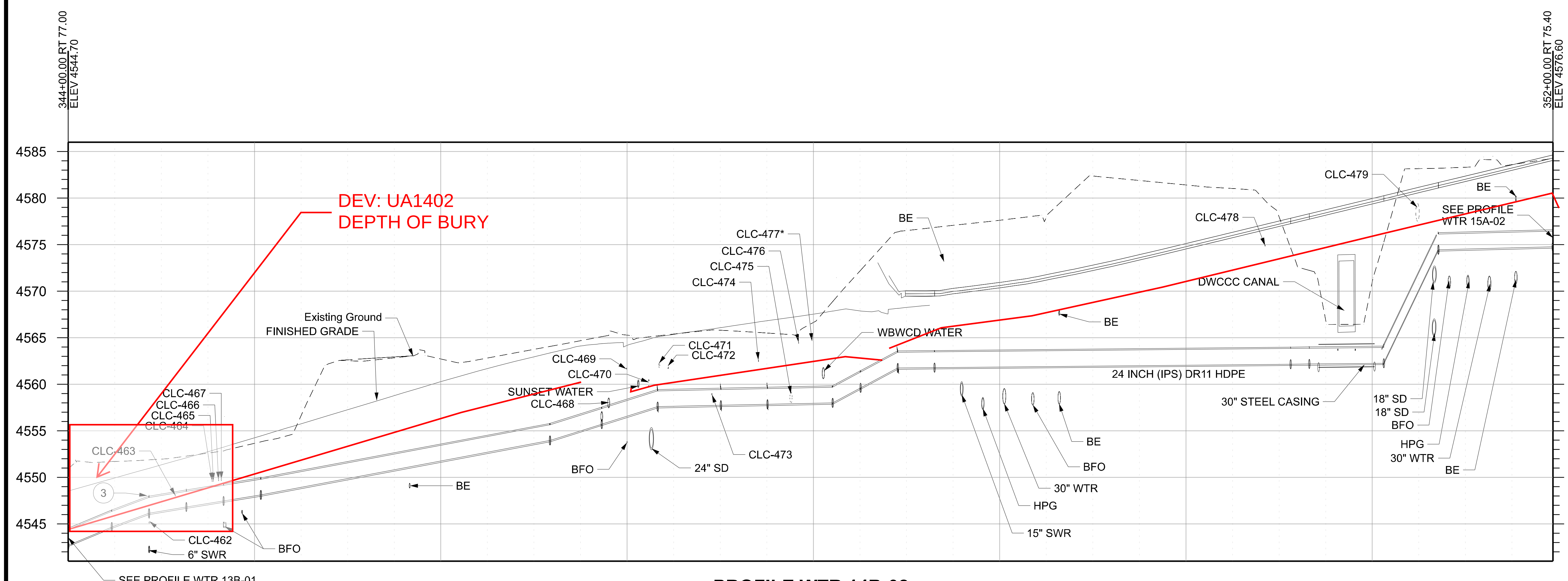
EXHIBIT G

Conflict ID Number	Owner	Utility	Size	Final Disposition
CLC-282	DWCCC	irr	12 inch	Remove Existing Utility
CLC-462	NDSD	swr	6 inch	Relocate Existing Utility
CLC-463	ATT	bfo	2 inch	Loop Existing Utility - Vertica
CLC-464	CenturyLink	bfo	2 inch	Loop Existing Utility - Vertica
CLC-465	Syringa	bfo	2 inch	Loop Existing Utility - Vertica
CLC-466	CenturyLink	bfo	2 inch	Loop Existing Utility - Vertica
CLC-467	Comcast	bfo	2 inch	Loop Existing Utility - Vertica
CLC-468	DWCCC	irr	12 inch	Remove Existing Utility
CLC-469	CenturyLink	btel	2 inch	No Vertical Conflict
CLC-470	Sunset City	wtr	8 inch	Remove Existing Utility
CLC-471	CenturyLink	bfo	6 inch	No Vertical Conflict
CLC-472	Dominion Energy	gas	4 inch	No Vertical Conflict
CLC-473	UDOT	bfo	2 inch	Loop Existing Utility - Vertica
CLC-474	CenturyLink	btel	2 inch	No Vertical Conflict
CLC-475	WBWCD	wtr	14 inch	Remove Existing Utility
CLC-476	UDOT	be		Remove Existing Utility
CLC-477*	UDOT	sd	18 inch	Remove Existing Utility
CLC-478	UDOT	bfo	2 inch	No Vertical Conflict
CLC-479	Dominion Energy	gas	20 inch	Remove Existing Utility

*These Utilities are shown in the profile at their approximate horizontal location, but their depth is unknown.



PROFILE WTR 14B-01



PROFILE WTR 14B-02

NOTES:
1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATIONS ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

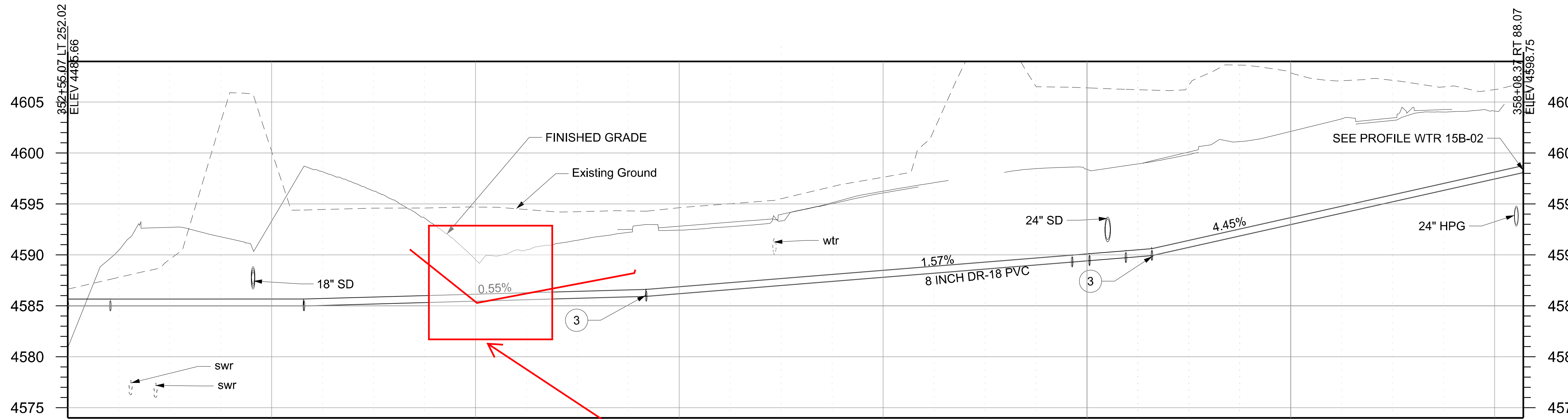
UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY: JMM
QC CHECKED BY: CAS
5/16/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN: 15682
PROJECT NUMBER: S-I15-8(157)336
WTR PROFILE

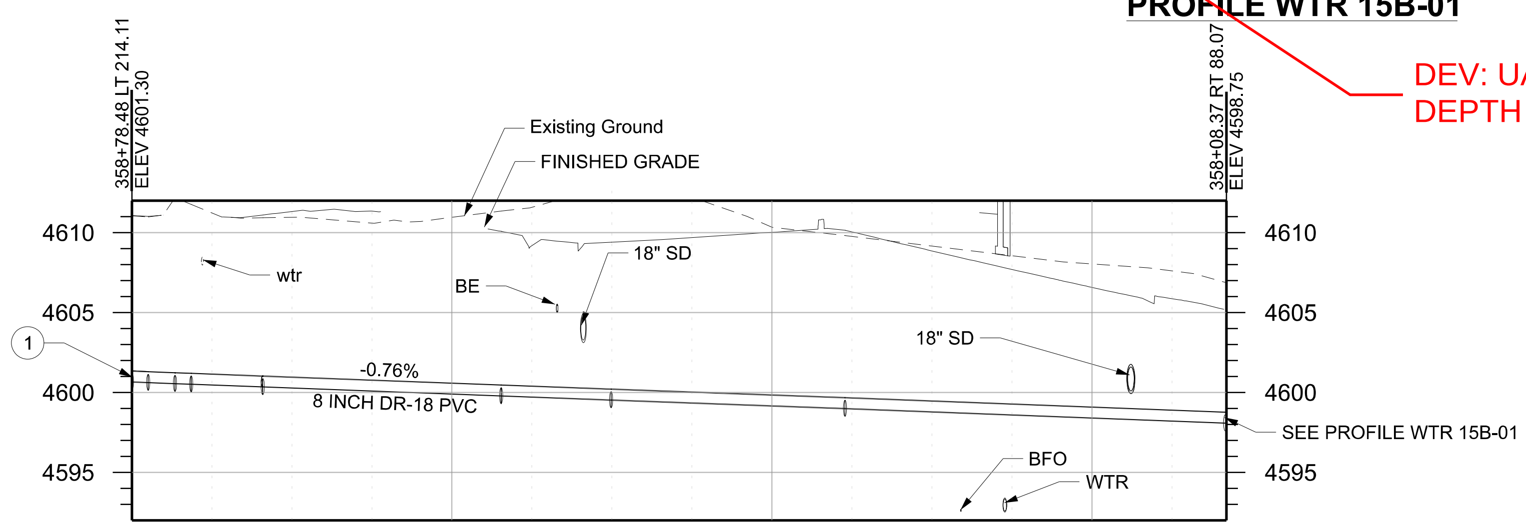
SHEET NO. UT-A-14B

EXHIBIT G



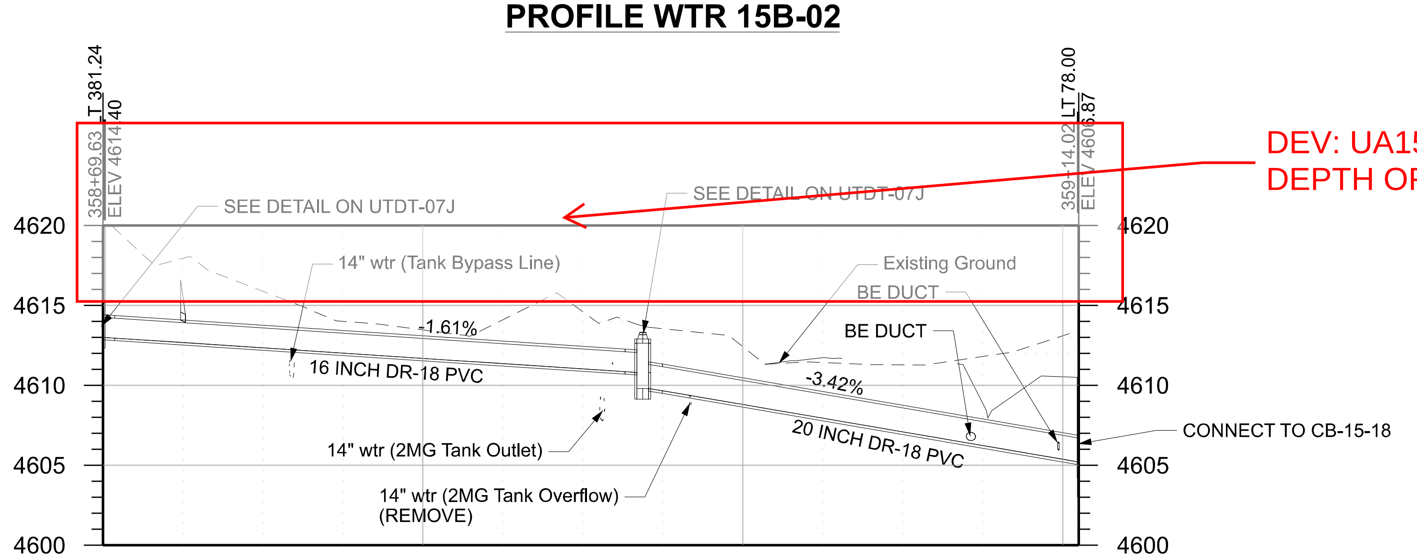
PROFILE WTR 15B-01

DEV: UA1502
DEPTH OF BURY



PROFILE WTR 15B-02

DEV: UA1501
DEPTH OF BURY



PROFILE WTR 15B-03

NOTES:

1. CONNECT PROPOSED PIPE TO EXISTING PIPE WITH PIPE COUPLING.
2. CONSTRUCT PIPE SUPPORT. SEE PIPE SUPPORT DETAIL ON SHEET UTDT-02I.
3. ACCOMPLISH CHANGE IN SLOPE OVER MULTIPLE LENGTHS OF PIPE BY MAKING DEFLECTIONS IN JOINTS NOT EXCEEDING MANUFACTURER'S RECOMMENDATIONS.
4. ELEVATIONS ARE TO TOP OUTSIDE OF PIPE.

CLINTON CULINARY WATER

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
JUB ENGINEERS, INC.

DRAWN BY: JMM
QC CHECKED BY: CAS
DATE: 5/16/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN: 15682
PROJECT NUMBER: S-I15-8(157)336
WTR PROFILE

SHEET NO. UT-A-15B

EXHIBIT H

Bid Item #	Bid Item Name	Unit Price	Unit of Measure	Total Contractor Build Bid Quantity (includes betterment)	Total Contractor Build Bid Cost (includes betterment)	Base Quantity (original design without betterment)	Base Cost (original design without betterment)
	Base - Clinton (Culinary Water)						
02221751*	Remove Air/Vac Vault (Clinton)	$ 2,237	Each	2	$ 4,474	2	$ 4,474
02221752*	Remove Fire Hydrant (Clinton)	$ 890	Each	23	$ 20,470	24	$ 21,360
02221753*	Remove Manhole (Clinton)	$ 8,993	Each	5	$ 44,965	7	$ 62,951
02221754*	Remove PRV Vault (Clinton)	$ 8,000	Each	1	$ 8,000	0	$ -
02221755*	Remove Valve (Clinton)	$ 617	Each	52	$ 32,084	41	$ 25,297
02221756*	Remove Water Meter (Clinton)	$ 781	Each	49	$ 38,269	51	$ 39,831
02221757*	Abandon Pipe (Clinton)	$ 500	cu yd	40	$ 20,000	19	$ 9,500
02221758*	Remove Asbestos Cement Pipe (Clinton)	$ 102	ft	997	$ 101,694	1188	$ 121,176
02221759*	Remove Pipe (Clinton)	$ 78	ft	18299	$ 1,427,322	10485	$ 817,830
02221795*	Remove Control Valve Vault (Clinton)	$ 10,000	Each	1	$ 10,000	1	$ 10,000
02511702*	Combination Air Valve Assembly - 1 Inch (Clinton)	$ 7,000	Each	2	$ 14,000	2	$ 14,000
02511703*	Combination Air Valve Assembly - 2 Inch (Clinton)	$ 10,000	Each	6	$ 60,000	1	$ 10,000
02511704*	Combination Air Valve Assembly - 3 Inch (Clinton)	$ 14,500	Each	1	$ 14,500	1	$ 14,500
02511705*	Connect Service To Existing Water Meter (Clinton)	$ 803	Each	2	$ 1,606	0	$ -
02511706*	Continuous Sampling Assembly (Clinton)	$ 25,000	Lump	1	$ 25,000	1	$ 25,000
02511708*	Flowmeter And Chlorine Injection Assembly (Clinton)	$ 30,000	Lump	1	$ 30,000	1	$ 30,000
02511709*	Gate Valve - 8 Inch (Clinton)	$ 3,826	Each	14	$ 53,564	3	$ 11,478
02511710*	Gate Valve - 10 Inch (Clinton)	$ 5,427	Each	6	$ 32,562	3	$ 16,281
02511711*	Gate Valve - 12 Inch (Clinton)	$ 6,834	Each	9	$ 61,506	2	$ 13,668
02511712*	Gate Valve - 16 Inch (Clinton)	$ 9,659	Each	7	$ 67,613	1	$ 9,659
02511713*	Gate Valve - 20 Inch (Clinton)	$ 36,522	Each	6	$ 219,132	2	$ 73,044
02511714*	In-Line Concrete Anchor Block For HDPE Pipe (Clinton)	$ 7,560	Each	2	$ 15,120	2	$ 15,120
02511715*	Polymer Concrete Junction Box, Type I (Clinton)	$ 3,200	Each	6	$ 19,200	0	$ -
02511716*	PRV Station (Clinton)	$ 187,000	Lump	1	$ 187,000	0	$ -
02511717*	Reconstruct 2 MG Tank Overflow Line (Clinton)	$ 15,381	Lump	1	$ 15,381	1	$ 15,381
02511718*	Reconstruct 3.5 MG Tank Overflow Line (Clinton)	$ 22,000	Lump	1	$ 22,000	1	$ 22,000
02511719*	Reconstruct Valve Box (Clinton)	$ 1,684	Each	1	$ 1,684	28	$ 47,152
02511720*	Sampling Station Assembly (Clinton)	$ 3,913	Each	3	$ 11,739	0	$ -
02511721*	Tanks Drain Outlet Structure (Clinton)	$ 10,579	Lump	1	$ 10,579	1	$ 10,579
02511722*	Water Meter Box And Setter - 3/4 Inch (Clinton)	$ 1,569	Each	35	$ 54,915	32	$ 50,208
02511723*	Water Meter Box And Setter - 1 Inch (Clinton)	$ 3,978	Each	2	$ 7,956	1	$ 3,978
02511724*	Water Meter Box And Setter - 1 1/2 Inch (Clinton)	$ 5,257	Each	2	$ 10,514	2	$ 10,514
02511725*	Water Meter Box And Setter - 2 Inch (Clinton)	$ 4,235	Each	3	$ 12,705	3	$ 12,705
02511727*	Fire Hydrant Assembly, Short (Clinton)	$ 7,427	Each	23	$ 170,821	20	$ 148,540
02511728*	Fire Hydrant Assembly, Long (Across 1800 North) (Clinton)	$ 14,801	Each	10	$ 148,006	2	$ 29,601
02511729*	Conduit - 2 Inch (Clinton)	$ 6	ft	1960	$ 11,760	0	$ -
02511730*	Culinary Pipe And Fittings - 6 Inch (Clinton)	$ 118	ft	19	$ 2,242	142	$ 16,756
02511731*	Culinary Pipe And Fittings - 8 Inch (Clinton)	$ 144	ft	2458	$ 353,952	1510	$ 217,440
02511732*	Culinary Pipe And Fittings - 10 Inch (Clinton)	$ 249	ft	711	$ 177,039	119	$ 29,631
02511733*	Culinary Pipe And Fittings - 12 Inch (Clinton)	$ 167	ft	3577	$ 597,359	878	$ 146,626
02511734*	Culinary Pipe And Fittings - 14 Inch (Clinton)	$ 3,000	ft	4	$ 12,000		
-	Culinary Pipe And Fittings - 14 Inch (Clinton)	$ 280	ft			286	$ 80,080
02511735*	Culinary Pipe And Fittings - 16 Inch (Clinton)	$ 241	ft	3498	$ 843,018	342	$ 82,422
02511736*	Culinary Pipe And Fittings - 20 Inch (Clinton)	$ 349	ft	2633	$ 919,022	1684	$ 587,783
02511737*	Culinary Pipe - 24 Inch, (IPS) DR11 HDPE, Pressurized (Clinton)	$ 204	ft	3901	$ 795,804	2494	$ 508,776
02511738*	Water Service - 3/4 Inch (Clinton)	$ 16	ft	269	$ 4,272	310	$ 4,923
02511739*	Water Service - 1 Inch, In 3 Inch Sleeve (Clinton)	$ 29	ft	1407	$ 40,789	174	$ 5,044
02511740*	Water Service - 1 1/2 Inch, (Clinton)	$ 41	ft	22	$ 891	22	$ 891
02511741*	Water Service - 1 1/2 Inch, In 4 Inch Sleeve (Clinton)	$ 44	ft	201	$ 8,768	0	$ -
02511742*	Water Service - 2 Inch (Clinton)	$ 42	ft	4	$ 166	0	$ -
02511743*	Water Service - 2 Inch, In 4 Inch Sleeve (Clinton)	$ 45	ft	100	$ 4,486	54	$ 2,422
02511746*	30 Inch Steel Casing and Culinary Pipe - 20 Inch, Class 250 DI Pressure (D&RG Trail Crossing, Open Trench) (Clinton)	$ 1,136	ft	76	$ 86,359	0	$ -

EXHIBIT H

Bid Item #	Bid Item Name	Unit Price	Unit of Measure	Total Contractor Build Bid Quantity (includes betterment)	Total Contractor Build Bid Cost (includes betterment)	Base Quantity (original design without betterment)	Base Cost (original design without betterment)
02511747*	24 Inch Steel Casing (I-15 Crossing, Open Trench) (Clinton)	$ 957	ft	332	$ 317,724	0	$ -
02511748*	30 Inch Steel Casing And Culinary Pipe - 24 Inch, DR 11 HDPE Pressure (D&W Canal Crossing, Open Trench) (Clinton)	$ 1,136	ft	30	$ 34,089	0	$ -
02511749*	30 Inch Steel Casing And Culinary Pipe - 24 Inch, DR 11 HDPE Pressure (RR Crossing) (Clinton)	$ 3,500	ft	180	$ 630,000	180	$ 630,000
02511750*	Pipe Support (Clinton)	$ 2,000	Each	4	$ 8,000	4	$ 8,000
			Total Bid Cost (Culinary Water)		**$ 7,822,121**	**Cost (Culinary**	**$ 4,016,622**
	Base-Clinton (Sanitary Sewer)						
02221785*	Remove Sewer Manhole (Clinton)	$ 9,309	Each	6	$ 55,854	0	$ -
02221787*	Remove Sewer Pipe (Clinton)	$ 61	ft	101	$ 6,161	0	$ -
02619705*	5 Foot Drop Sewer Manhole 9 ft To 11 ft Deep (Clinton)	$ 13,243	Each	1	$ 13,243	1	$ 13,243
02619710*	Reconstruct Manhole (Clinton)	$ 1,732	Each	1	$ 1,732	1	$ 1,732
02619715*	Sewer Pipe - 8 Inch, PVC (Clinton)	$ 200	ft	88	$ 17,600	88	$ 17,600
02619725*	Sewer Service Connection - 4 Inch, PVC (Clinton)	$ 160	ft	55	$ 8,800	0	$ -
02619730*	Sewer Service Connection - 6 Inch, PVC (Clinton)	$ 200	ft	49	$ 9,800	0	$ -
02619735*	Sewer Service Connection - 8 Inch, PVC (Clinton)	$ 320	ft	46	$ 14,720	0	$ -
			Total Bid Cost (Sanitary Sewer)		**$ 127,910**	**Total Base Cost (Sanitary Sewer)**	**$ 32,575**
			Subtotal Bid Cost (Clinton Culinary Water & Sanitary Sewer)		**$ 7,950,031**	**Subtotal Base Cost (Clinton Culinary Water & Sanitary**	**$ 4,049,197**
	Items Not Bid and Replaced by Betterment Items						
	Reconstruct Manhole (Clinton)	$ 1,731	Each			1	$ 1,731
	Culinary Pipe - 20 Inch, (DIPS) DR11 HDPE, Pressurized (Clinton)	$ 248	ft			1407	$ 348,486
	30 Inch Steel Casing and Culinary Pipe - 20 Inch, DR 11 DIPS HDPE Pressure (D&W Canal Crossing, Open Trench) (Clinton)	$ 1,108	ft			30	$ 33,249
	Gate Valve - 18 Inch (Clinton)	$ 32,810	Each			1	$ 32,810
	Water Service - 3/4 Inch, in 3 Inch Sleeve (Clinton)	$ 18	Each			541	$ 9,592
	Direct Bury Communication Conductor (Clinton)	$ 5	Each			1486	$ 7,430
	Total Items Not Bid and Replace by Betterment						**$ 433,298**
	Total Base Cost (Clinton Culinary Water & Sanitary Sewer) + Items Not Bid and Replaced by Betterment						**$ 4,482,495**
	Total Bid Cost - Total Base Cost + Items Not Bid and Replaced by Betterment					**= Betterment Subtotal**	**$ 3,467,536**
	Misc. Items		**Lump Sum Cost Based on Betterment Subtotal**				
	Mobilization		Lump	3%	$ 104,026		
	Traffic Control		Lump	2%	$ 69,351		
	Survey		Lump	1%	$ 34,675		
	Construction Engineering		Lump	8%	$ 277,403		
	Total Misc. Items				**$ 485,455**		
	Betterment Subtotal + Misc Items					**Total:**	**$ 3,952,991**

CLINTON CITY
COUNCIL AGENDA ITEM

SUBJECT: UDOT Storm Drain Detention Pond Maintenance and Ownership Cooperative Agreement	**AGENDA ITEM:**
PETITIONER: Dave Williams, Bryce Wilcox	**MEETING DATE:** October 8, 2024
RECOMMENDATION: Council approve and sign the UDOT Storm Drain Detention Pond Maintenance and Ownership Cooperative Agreement	**ROLL CALL VOTE:** F

FISCAL IMPACT: Routine Maintenance

BACKGROUND:
UDOT has completed the design the I15/1800 North Interchange and the widening of 1800 North from Main Street to 2000 West. UDOT's plan is to advertise the project for construction in November. Construction will take 3 years to complete.

As part of the project, UDOT has designed 2 storm drain detention ponds along1800 North and UDOT is requesting that Clinton City maintain the ponds.

<u>Pond 08-01 – Shady Grove Detention pond located at 1000 West.</u>
UDOT will enlarge the existing Shady Grove detention pond. This pond will still be owned by Clinton City. UDOT will do all of the grading on the pond and install the structures. UDOT through the Right-of-Way process has compensated Clinton City to install the sprinklers and grass. Clinton City will maintain this pond as we currently do.

<u>Pond 03-01 – Located east of the powerlines on the northside of the road (Barbara Pattersons home location)</u>
UDOT will construct a new detention pond on property that they purchased. UDOT will own the property. UDOT will do all of the grading on the pond and install the structures. UDOT is currently planning on a native grass mix on the site. They cannot install sod unless it already exists. UDOT has request that Clinton city mow and maintain the pond. UDOT has modified the design several times to create a pond that Clinton can maintain.

The Voyage Academy would like to use the site and has expressed interest in installing grass and taking over maintenance. UDOT is requesting to have an agreement with the city for maintenance. If the City wants to work something out with the Voyage Academy for maintenance, UDOT is supportive of that.

The agreement has a couple of minor issues that we have sent back to UDOT for review. UDOT is under a time crunch to on the drainage agreement, so we are attaching the draft agreement and will have the final agreement at the city council meeting.

UDOT's policy is to turn over maintenance on their detention ponds to the local cities. We did not take over maintenance on the 2000 West ponds. UDOT modified the 1800 North ponds to meet our guidelines so that we will maintain them. UDOT does not offer any compensation for entities to maintain their ponds.

We recommend signing the UDOT Storm Drain Detention Pond Maintenance and Ownership Cooperative Agreement.

ATTACHMENTS: UDOT Storm Drain Detention Pond Maintenance and Ownership Cooperative Agreement

MAINTENANCE AND OWNERSHIP COOPERATIVE AGREEMENT
Between
THE UTAH DEPARTMENT OF TRANSPORTATION
And
CLINTON CITY

This Maintenance and Ownership Cooperative Agreement, by and between **Utah Department of Transportation** ("UDOT") and **Clinton City** ("City"). Each as party, ("Party") and together as parties, ("Parties").

RECITALS

WHEREAS, UDOT is progressing the design and construction for the highway project identified as I-15; 1800 North Interchange (SR-37) in Davis County, Utah ("Project"); and

WHEREAS, UDOT will design and construct drainage improvements and modifications to the drainage pond at or near Utah Transit Authority ("UTA") Denver & Rio Grande ("D&RG") Trail approximately 955 W 1800 N ("Pond 08-01") in Clinton City, Utah; and

WHEREAS, UDOT will design and construct drainage improvements and a new detention pond at or near 1604 W 1800 N ("Pond 03-01") in Clinton City, Utah; and

WHEREAS, UDOT will reserve capacity in its storm drain collection system for the City's storm drain discharge; and

WHEREAS, City will reserve capacity for UDOT storm drain discharge in City's detention Ponds maintained by the City; and

WHEREAS, City may drain City water tanks for maintenance or overflow into UDOT storm drain system, outside of a major storm event; and

WHEREAS, the Parties shall each be responsible for certain drainage improvement ownership, maintenance, and operations covered by this agreement in accordance with the terms and conditions contained herein.

THIS AGREEMENT is made to set out the terms and conditions of ownership and maintenance of drainage facilities.

AGREEMENT

1. **Design and Construction**

UDOT will design and construct modifications and improvements to Pond 08-01 marked Exhibit "A," and construct new Pond 03-01 marked Exhibit "B," that are incorporated by reference.

Structures and grading detail sheets for Pond 08-01 are listed and identified in Exhibit "C". Structures and grading detail sheets for Pond 03-01 are listed and identified in Exhibit "D", that are incorporated by reference.

Connections to City storm drain system and City water tank are shown on Exhibits "E" and "F," that are incorporated by reference.

Pond 08-01

UDOT owned, City-maintained Pond 08-01 will be utilized by the Parties for attenuated release of runoff generated by both parties, detail sheets for Pond 08-01 are identified in Exhibit C. City maintained Storm drain and structures tributary to Pond 08-01 are outlined below and identified in Exhibit "E" that is incorporated by reference. Pond 08-01 will outfall onto UTA D&RG property, the drainage outfall surface area and facilities are licensed by UTA to UDOT and maintained by the City.

a. Outlet Structure
   i. OS 07A-03
b. End Section
   i. ES-07A-04
   ii. ES-07A-05
   iii. ES-08-10
c. Catch Basin
   i. COB 07A-02

Pond 03-01

City-maintained Pond 03-01 will be utilized by the Parties for attenuated release of runoff generated by both parties, detail sheets for Pond 03-01 are identified in Exhibit D. City maintained storm drain and structures tributary to Pond 03-01 are outlined below and identified in Exhibit F.

a. Outlet Structure OS 03-12
b. End Section ES 03-03
c. Pipes

2. **Long Term Operation and Maintenance**

a. Parties agree to be responsible for long term operation and maintenance of the drainage systems within their Right-of-Way or have a permanent easement or State Utility License Agreement (SULA) or as identified above.
b. Parties will maintain and keep operational the drainage facilities that they own to prevent and reduce the discharge of pollutants and flooding.
c. The Parties will comply with the required storm water permits, applicable laws, and regulations for the systems that they own.
d. City shall obtain a permit from UDOT Region 1 Permits office for any maintenance activities that require access to UDOT's Right-of-Way, in compliance with Utah Adm. Code R930-6 and R930-7.
e. City will coordinate with UDOT time to drain City water tanks located East of I-15 and the tank at 630 West into UDOT storm drain system for maintenance purposes. Draining must occur a minimum of 48 hours outside of a major storm event. See Exhibit F for storm event calculations. City will confirm allowable levels of chlorination with UDOT prior to draining their tanks.
f. If an unplanned overflow from City water tanks occurs, City will notify UDOT within 12 hours.

g. If the City requests a future betterment or landscaping improvement for ponds that are currently maintained by UDOT, the City will be responsible for maintenance activities as per the Master Landscape Agreement. This will include maintaining pond functionality as per the City's MS4 permit.

3. **Requirements**

Parties will meet to discuss changes to Hydrologic and/or Hydraulic values that are deemed to be significant which will be approved by the City Engineer of Record and UDOT.

4. **Miscellaneous**

a. The permitted use and occupancy of right-of-way for non-highway purposes is subordinate to the primary and highest interest for transportation and safety of the traveling public.
b. The failure of either Party to insist upon strict compliance of any of the terms and conditions, or failure or delay by either Party to exercise any rights or remedies provided in this agreement, or by law, will not release either Party from any obligations arising under this agreement.
c. Each Party agrees to undertake and perform all further acts that are reasonably necessary to carry out the intent and purpose of the Agreement at the request of the other Party.
d. This Agreement shall be deemed to be made under and shall be governed by the laws of the State of Utah in all respects. Each person signing this Agreement warrants that the person has full legal capacity, power and authority to execute this Agreement for and on behalf of the respective Party and to bind such Party.
e. If any provision or part of a provision of this agreement is held invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provision. Each provision shall be deemed to be enforceable to the fullest extent under applicable law.
f. This agreement contains the entire agreement between the Parties, with respect to the subject matter hereof, and no statements, promises, or inducements made by either Party or agents for either Party that are not contained in this written Agreement shall be binding or valid.
g. The UDOT and the City are both governmental entities subject to the Utah Governmental Immunity Act. Each party agrees to indemnify, defend and save harmless the other from and against all claims, suits and costs, including attorneys' fees for injury or damage of any kind, arising out the negligent acts, errors or omissions of the indemnifying party's officers, agents, contractors or employees in the performance of this Agreement. Nothing in this paragraph is intended to create additional rights to third parties or to waive any provision of the Utah Governmental Immunity Act. The indemnification in this paragraph shall survive the expiration or termination of this Agreement.
h. The date of this agreement is the date this agreement is signed by the last Party.

IN WITNESS WHEREOF, the parties hereto have caused these presents to be executed by their duly authorized officers as of the day and year first above written.

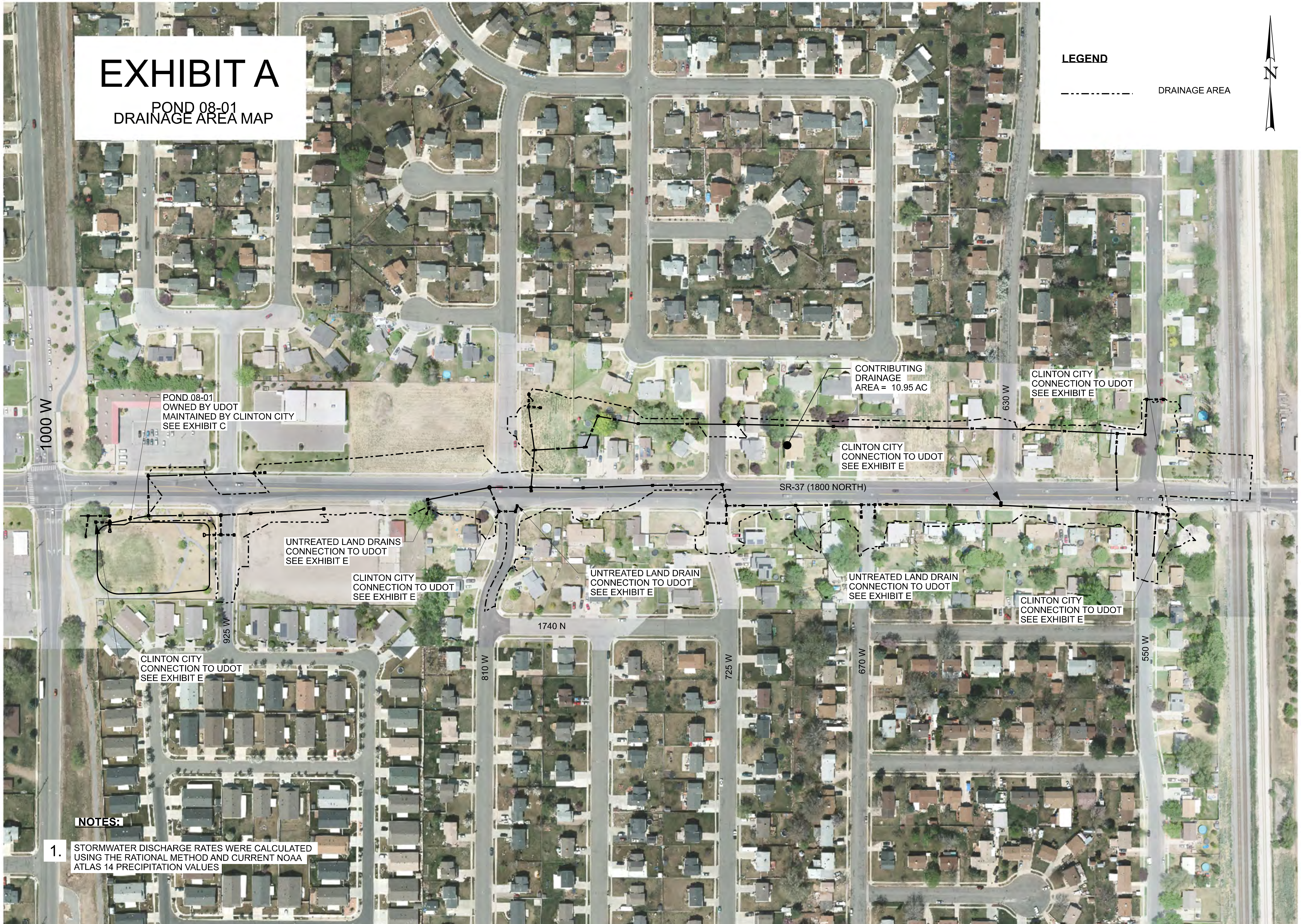
Attest	**Clinton City**
______________________________	______________________________
Title: ______________________	**Title:** ______________________
Date: ______________________	**Date:** ______________________

(IMPRESS SEAL)

. . . .

Recommended for Approval	**Utah Department of Transportation**
______________________________	______________________________
Title: Region Hydraulics Engineer	**Title:** District Engineer
Date: ______________________	**Date:** ______________________

Utah Department of Transportation	**UDOT Comptroller Office**
______________________________	______________________________
Title: Region Director	**Title:** Contract Administrator
Date: ______________________	**Date:** ______________________



DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/0 Temp/Hydraulics/Comingle Flow Agreements/Clinton City/Pond 08-01/15682 Exhibit A Area Map

REGION 1 20-MAY-2024 15:22 Brle

REVISIONS

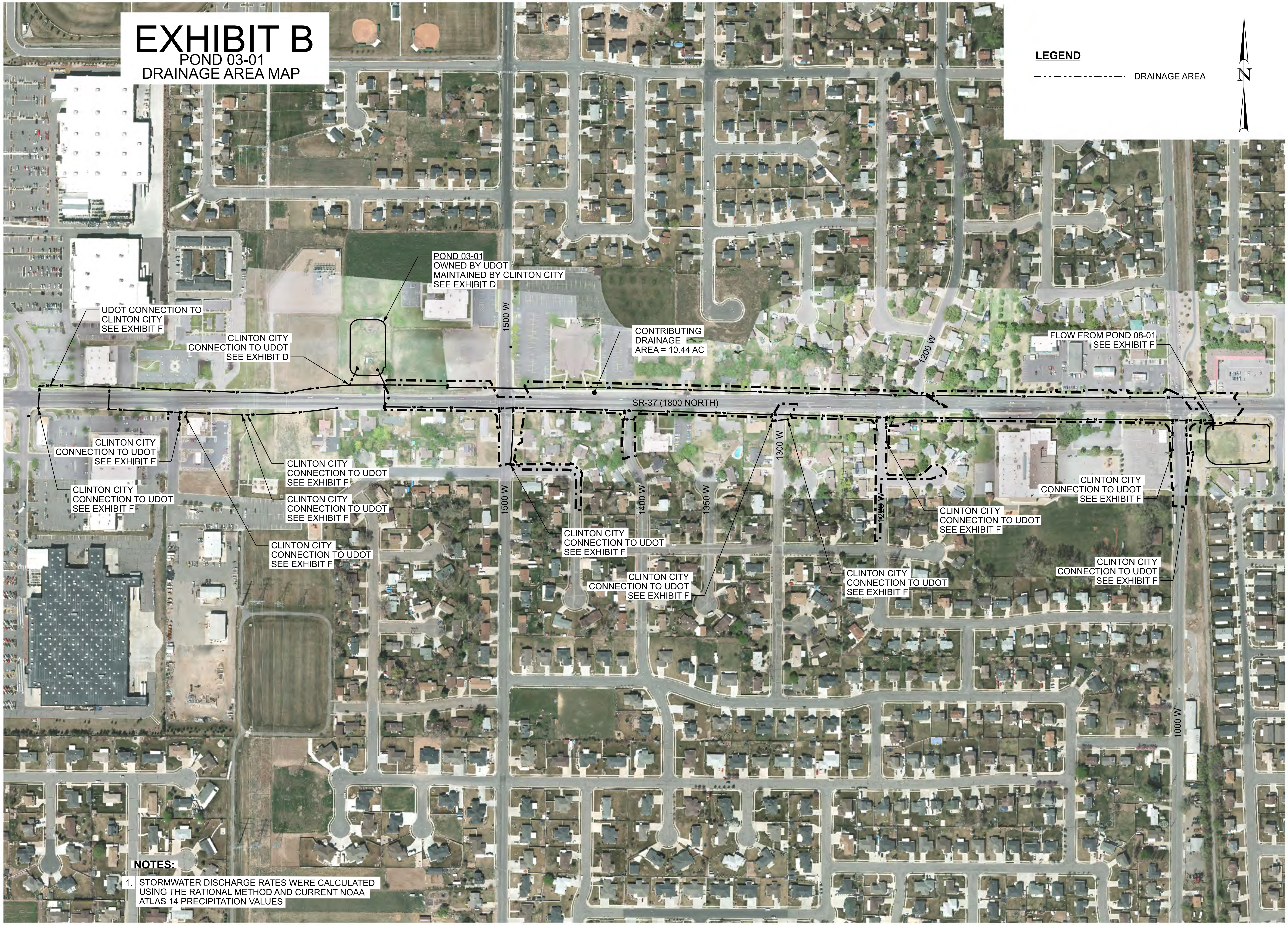
NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
DAVID EVANS AND ASSOCIATES, INC.

DRAWN BY
QC CHECKED BY
APPROVED
PROFESSIONAL ENGINEER
5/20/2024
DATE

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN: 15682
PROJECT NUMBER: S-I15-8(157)336

SHEET NO.



NOTES:

1. STORMWATER DISCHARGE RATES WERE CALCULATED USING THE RATIONAL METHOD AND CURRENT NOAA ATLAS 14 PRECIPITATION VALUES

REVISIONS

REMARKS | APPROVED BY | DATE | NO.

UTAH DEPARTMENT OF TRANSPORTATION

DAVID EVANS AND ASSOCIATES, INC.

DRAWN BY

QC CHECKED BY

06/21/24

DATE

APPROVED

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

PIN: 15682

PROJECT NUMBER: S-I15-8(157)336

SHEET NO.

DGN File: pw:\\udot-pw.bentley.com:udot-pw-01\Documents\UDOT Projects\Region 1 Projects\15682 I-15 1800 NORTH INTERCHANGE\0 Temp\Hydraulics\Cominingle Flow Agreements\Clinton City\Pond 03-01\Exhibit A Area Map

Dxd

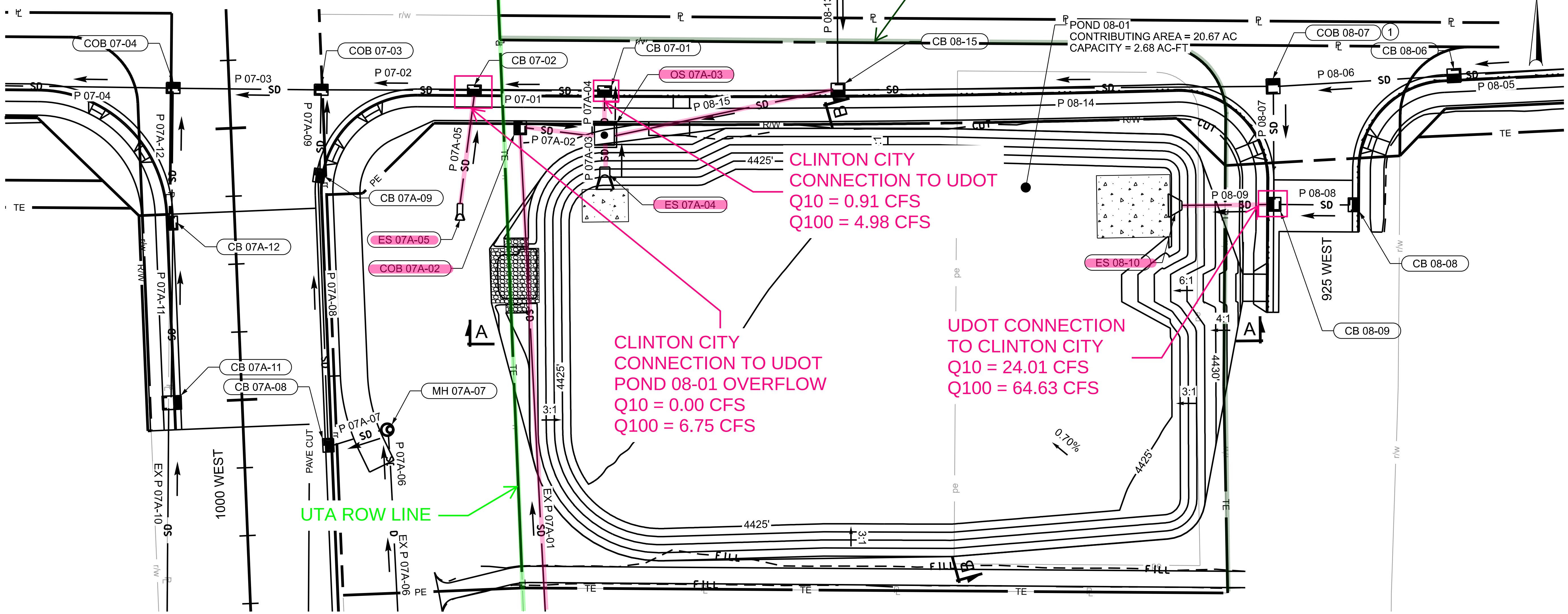
09:24

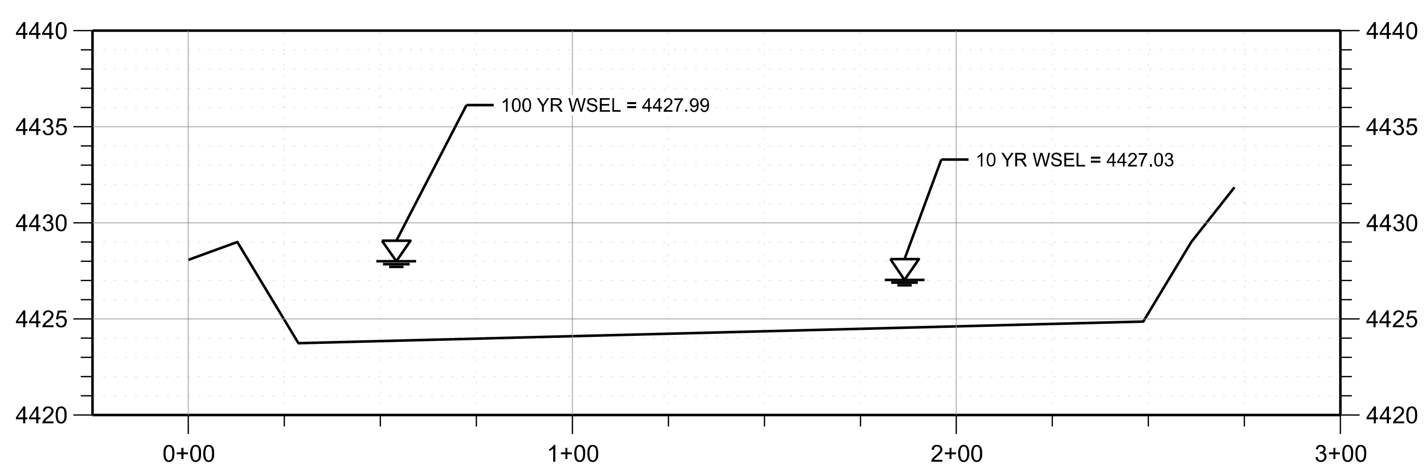
21-JUN-2024

REGION 1

EXHIBIT C

POND 08-01

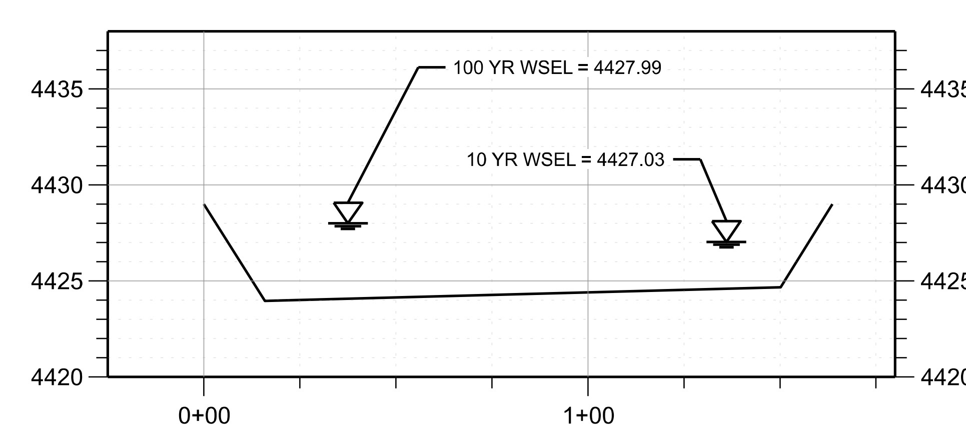




PROFILE A-A

NOTES:

1. LOW FLOW BYPASS. INSTALL 6" ORIFICE PLATE OVER P 08-14 INVERT TO PREVENT NUISANCE FLOWS FROM ENTERING THE POND.



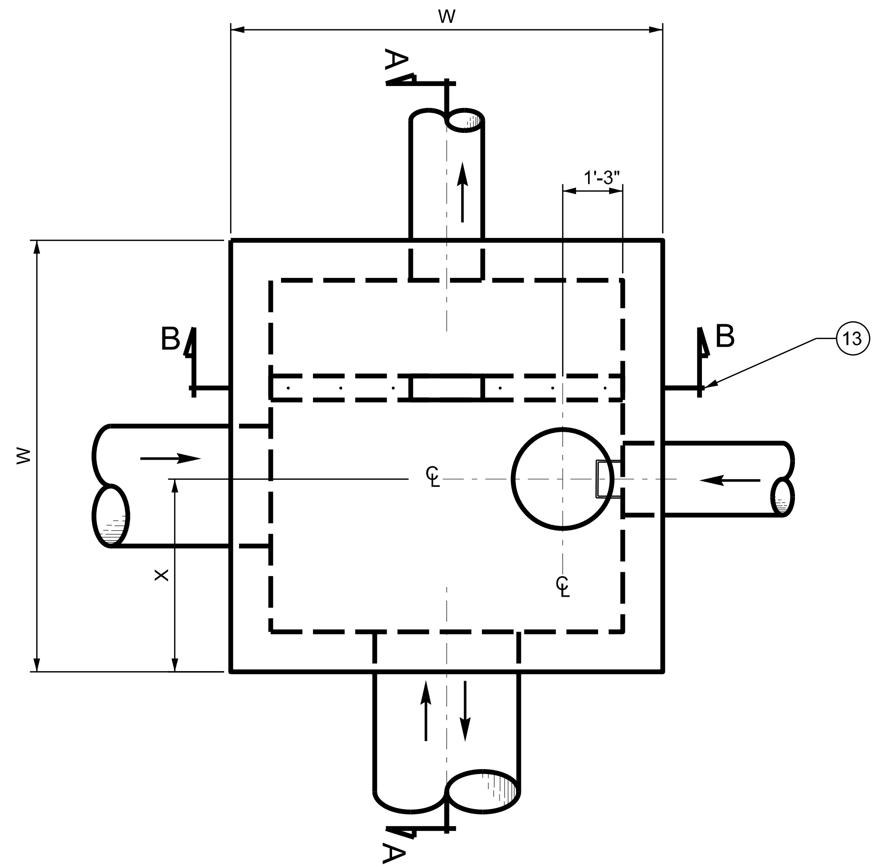
PROFILE B-B

UTAH DEPARTMENT OF TRANSPORTATION
DAVID EVANS AND ASSOCIATES, INC.

REVISIONS	
NO.	DATE
APPROVED BY	REMARKS
DRAWN BY	RDC
QC CHECKED BY	JJM
DATE	09/23/24
APPROVED	PROFESSIONAL ENGINEER
PROJECT	I-15; 1800 NORTH INTERCHANGE & CORRIDOR WIDENING
PIN	15682
PROJECT NUMBER	S-I15-8(157)336
	DRAINAGE DETAIL
SHEET NO.	DRDT-14

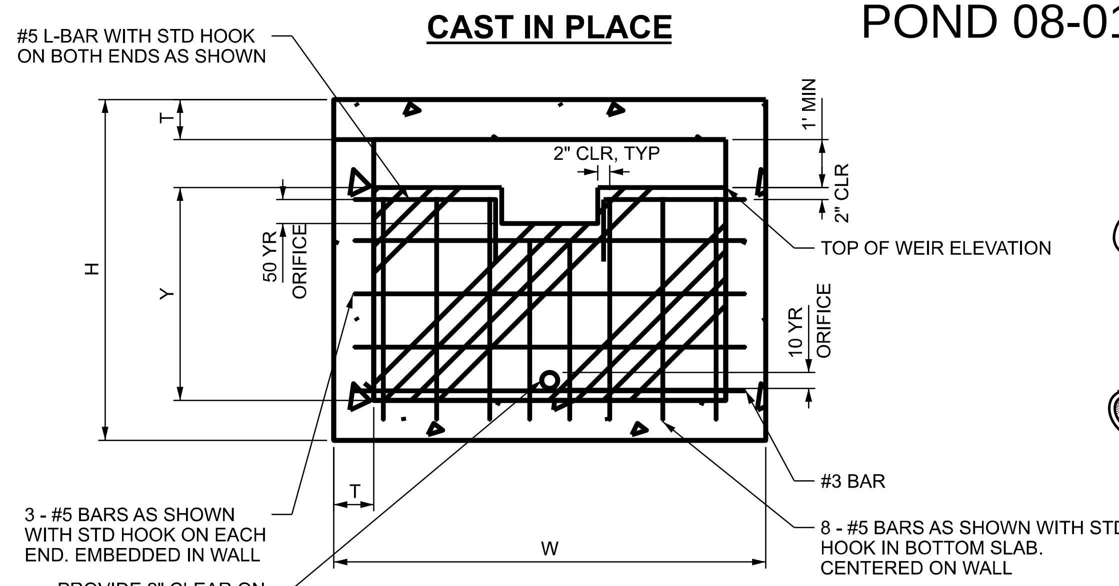
EXHIBIT C

POND 08-01 OUTLET STRUCTURE

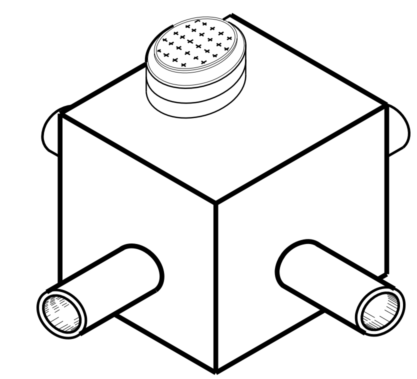


BOX PLAN

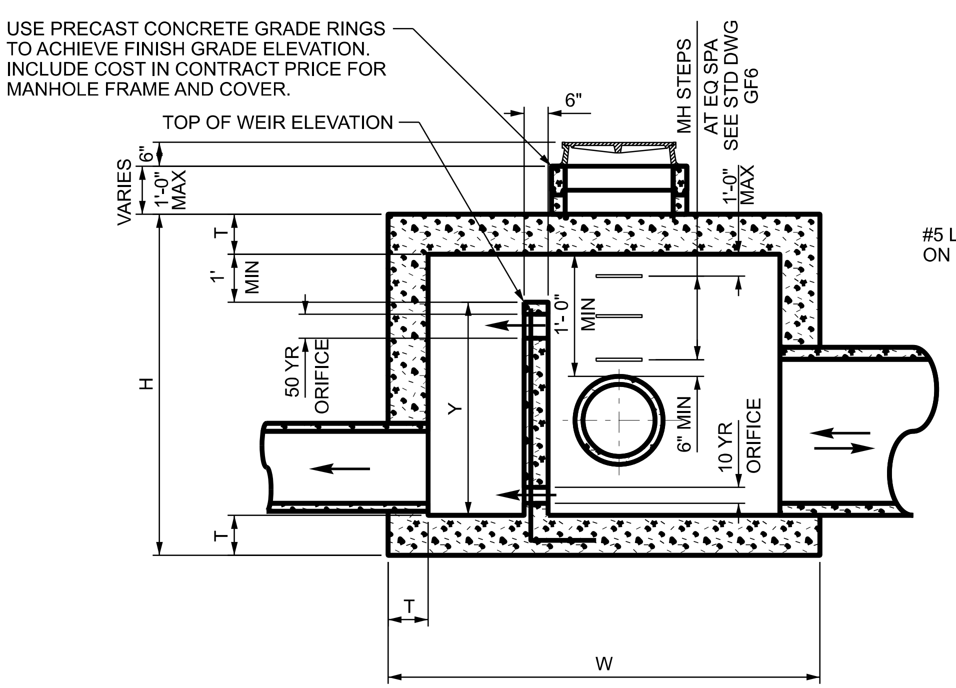
CAST IN PLACE



SECTION B-B

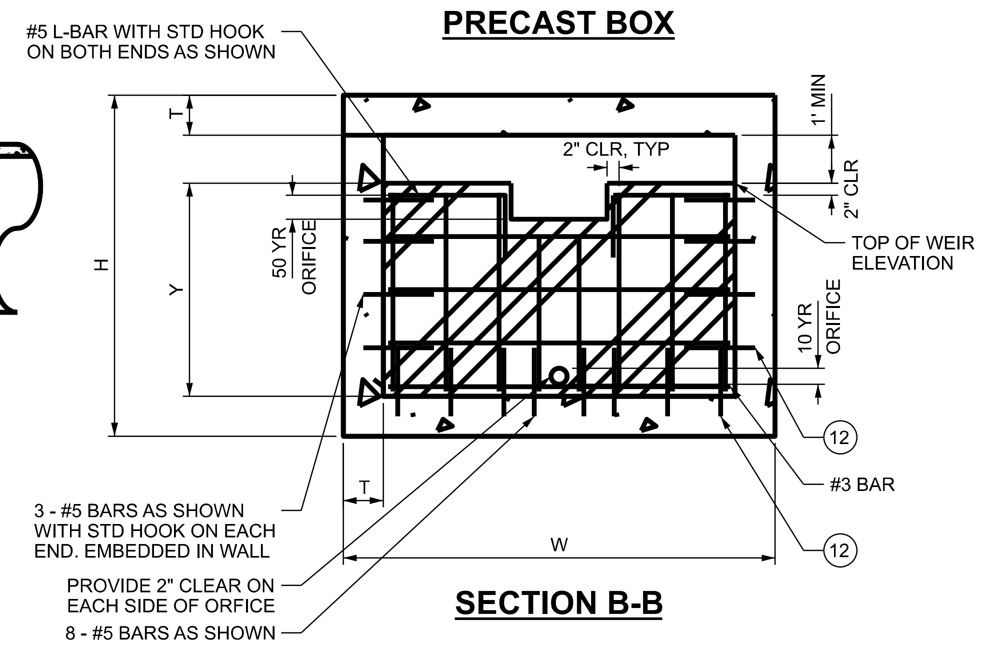


ISOMETRIC VIEW



SECTION A-A

PRECAST BOX



SECTION B-B

POND ID	STRUCTURE ID	RIM ELEVATION	W (FT)	H (FT)	T (IN)	10 YR ORIFICE INVERT ELEVATION	10 YR ORIFICE SIZE (IN)	50 YEAR ORIFICE INVERT ELEVATION	50 YEAR ORIFICE SIZE (IN)	X (FT)	Y (FT)	TOP OF WEIR ELEVATION	NOTES
POND 08-01	OS 07A-03	4430.08	9.0	7.1	10.0	4423.56	4.0	4427.00	24.0 X 6.0	3.37	4.44	4427.75	

GENERAL NOTES

1. USE COATED DEFORMED-CARBON REINFORCING STEEL BARS CONFORMING TO AASHTO M 284 OR M 111 AND M 31 GRADE 60 RESPECTIVELY.
2. FIELD CUT AND BEND REINFORCING STEEL AS NECESSARY TO CLEAR PIPES AND MAINTAIN 2 INCH COVER. REPAIR ANY DAMAGE OR CUTS TO THE EPOXY COATING ON REINFORCING BARS.
3. USE CLASS AA (AE) CONCRETE.
4. USE TYPE II CEMENT (LOW ALKALI).
5. PROVIDE 2 INCH CONCRETE COVER TO REINFORCING STEEL.
6. PROVIDE MANHOLE COVER THAT CONFORMS TO AASHTO M 105 AND M 306.
7. FURNISH MANHOLE COVER IN EITHER DUCTILE IRON (ASTM A 536 GRADE 60) OR GRAY CAST IRON (AASHTO M 105, CLASS 30B).
8. SEE ROADWAY PLANS FOR NUMBER, LOCATION, AND SIZE OF PIPE.
9. PROVIDE 3/4 INCH CHAMFER ON ALL EXPOSED CONCRETE CORNERS.
10. SEE STD DWG GF 6 FOR MANHOLE STEP DETAIL.
11. SEE STD DWG DB 3A FOR MANHOLE PLAN AND DETAILS
12. #5 X 1'-4" POST-INSTALLED BARS IN WEIR AS SHOWN. EMBED 4" INTO EXTERIOR WALL. LOCATE EXISTING WALL REINFORCEMENT AND INSTALL IN ACCORDANCE WITH SECTION 03211 OF THE STANDARD SPECIFICATIONS. LOCATE POST-INSTALLED BARS IN BAFFLE WALL TO CLEAR EXTERIOR WALL REINFORCING (1 1/2" MIN CLEAR COVOR IN THE WEIR WALL). PROOF LOAD TESTING OF THE POST-INSTALLED BARS ARE NOT REQUIRED.
13. CONTRACTOR TO HAVE OPTION TO EITHER CAST ENTIRE STRUCTURE IN PLACE OR TO CONSTRUCT WEIR WALL INSIDE PRECAST STRUCTURE

REVISIONS

NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

DRAWN BY RDC

QC CHECKED BY BAL

07/01/24 DATE

APPROVED

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER: S-I15-8(157)336

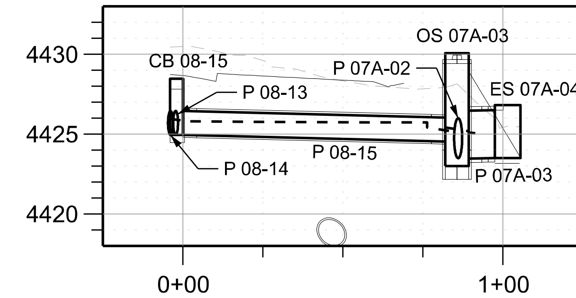
PIN 15682

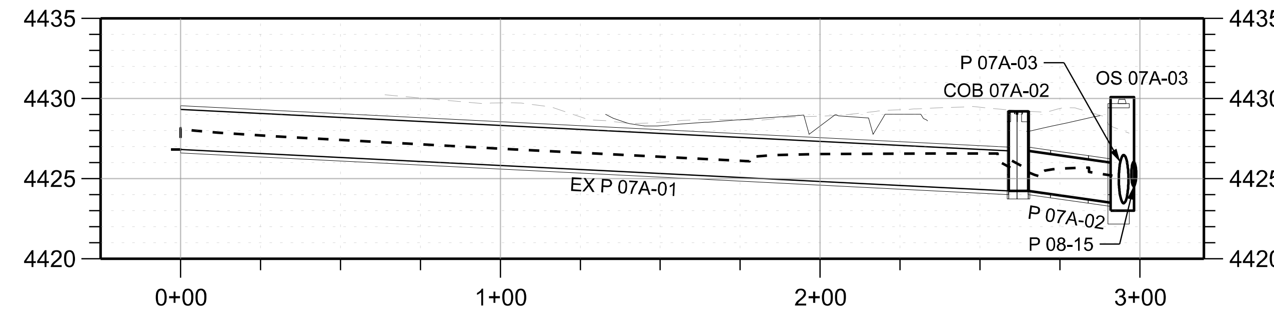
DRAINAGE DETAIL

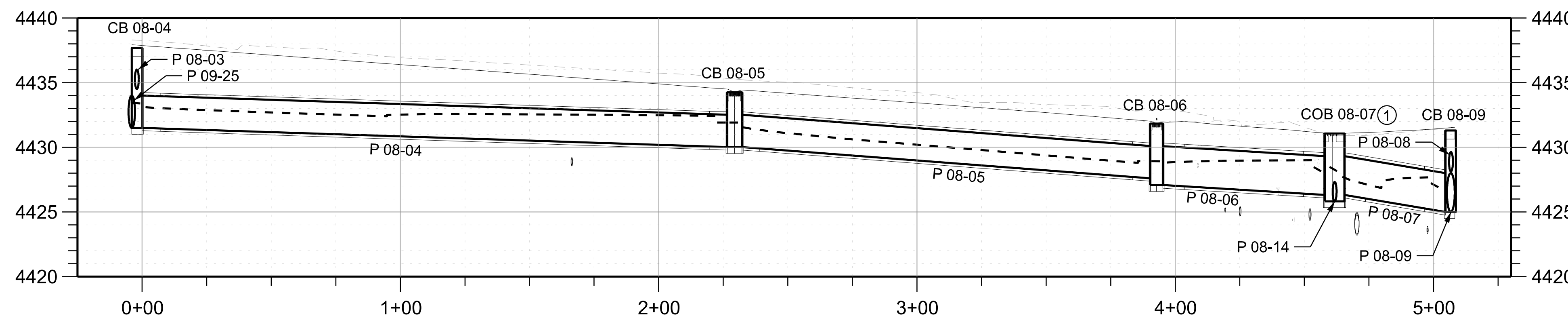
SHEET NO. DRDT-12A

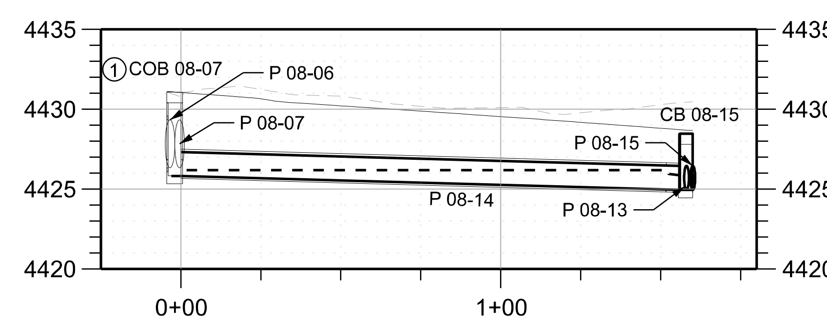
EXHIBIT C

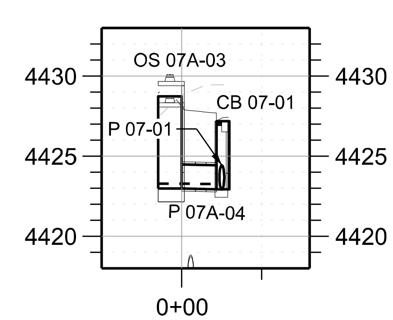
POND 08-01 LOW FLOW BYPASS & OUTLET STRUCTURE PROFILES











NOTES

1. LOW FLOW BYPASS. INSTALL 6" ORIFICE PLATE OVER P 08-14 INVERT TO PREVENT NUISANCE FLOWS FROM ENTERING POND.

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

DAVID EVANS AND ASSOCIATES, INC.

DRAWN BY RDC

QC CHECKED BY BAL

09/23/24 DATE

APPROVED

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE & CORRIDOR WIDENING

PIN 15682

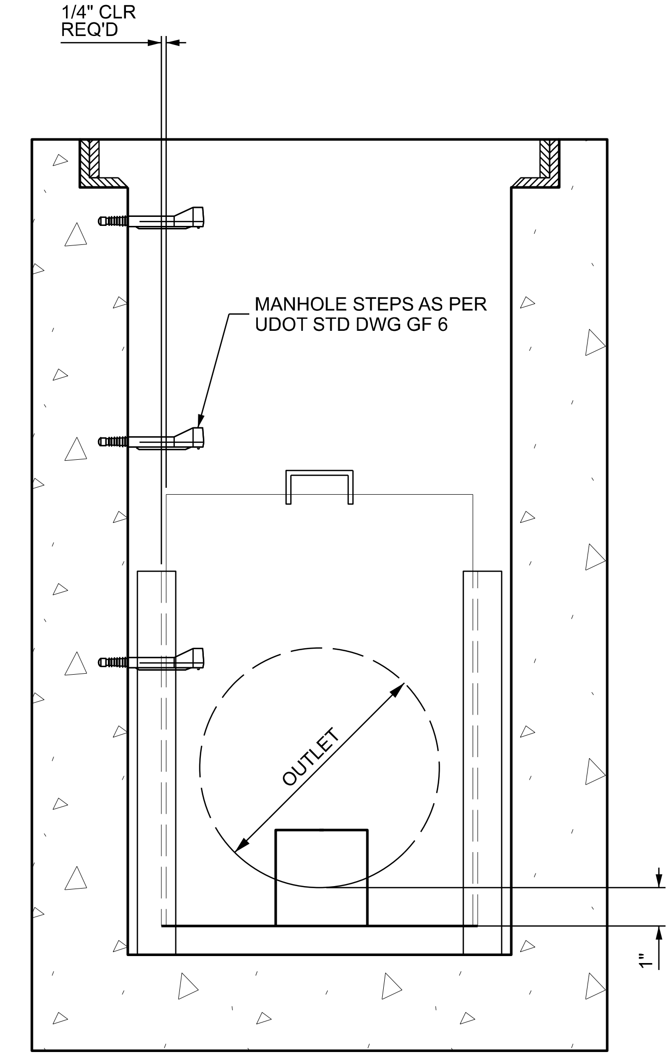
PROJECT NUMBER S-I15-8(157)336

DRAINAGE PROFILE

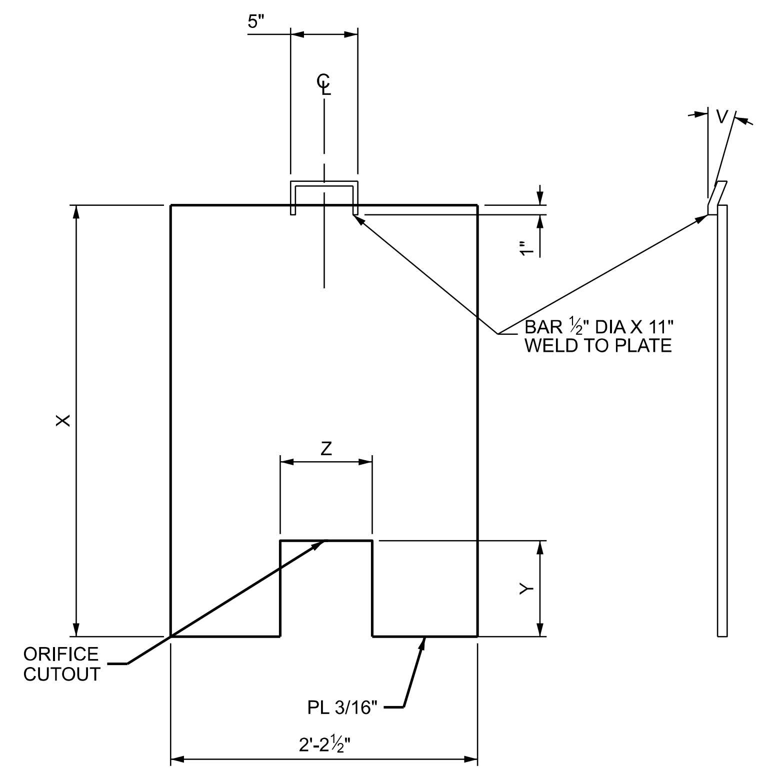
SHEET NO. DP-08

EXHIBIT C

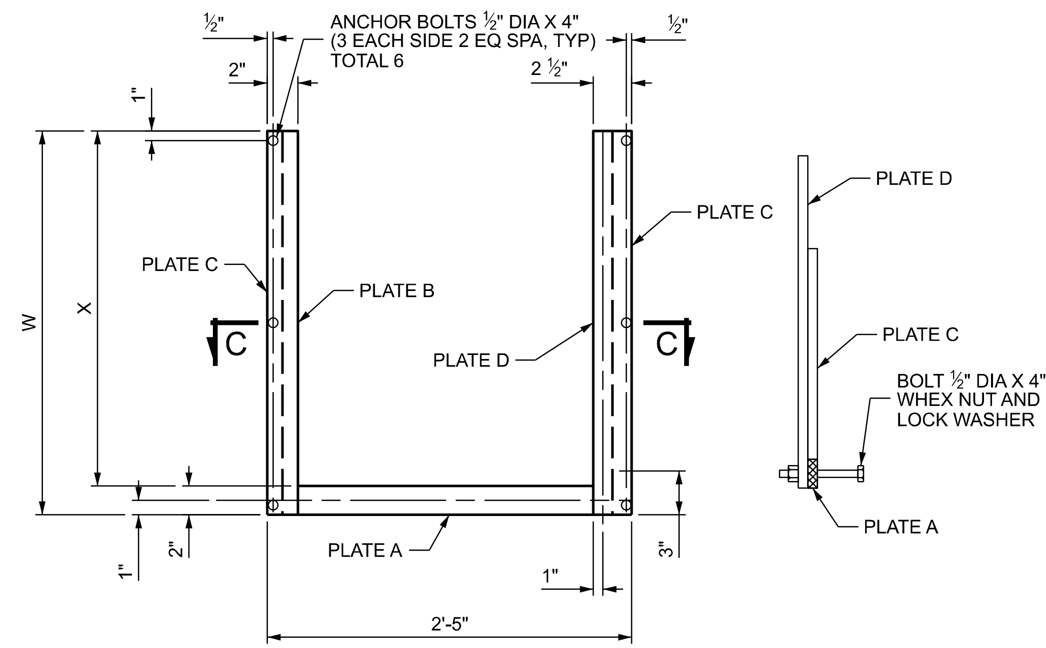
ORIFICE PLATE DETAIL



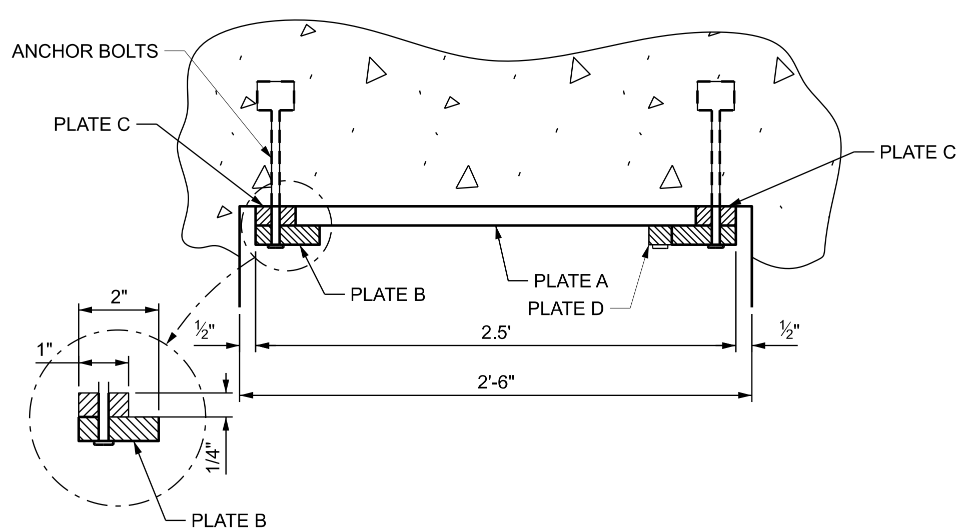
FRAME AND GATE INSTALLATION



GATE



FRAME



SECTION C-C

SCHEDULE				
DIMENSIONS AND QUANTITIES				
FRAME AND GATE				
1-PLATE A	1-PLATE B	2-PLATE C	1-PLATE D	GATE
1/4" x 2" x 2'-3"	1/4" x 2" x W	1/4" x 1" x X	1/4" x 2 1/2" x W	3/16" x 2'-2 1/2" x X

BOX ID	V	W	X	Y (INCHES)	Z (INCHES)	OUTLET TO (DIRECTION)
CB 03-02	30°	3'-2"	3'	6	6	WEST
COB 08-07	30°	3'-2"	3'	6	6	WEST

SCHEDULE

NOTES:

1. ALL STRUCTURAL STEEL, STRUCTURAL CARBON STEEL CONFORMING TO AASHTO DESIGNATION M 270, GRADE 36
2. HOT DIP GALVANIZE ORIFICE PLATE AFTER FABRICATION IN ACCORDANCE WITH AASHTO DESIGNATION M 111 (ASTM A 123).
3. CLEARLY STENCIL PLATE IT INDICATE "DO NOT PERMANENTLY REMOVE PLATE WITHOUT CLINTON CITY APPROVED AND SEALED CONSTRUCTION PLANS"

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

DRAWN BY RDC | QC CHECKED BY BAL | 07/19/24 DATE | APPROVED | PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE | PIN 15682 | PROJECT NUMBER S-I15-8(157)336 | DRAINAGE DETAIL

SHEET NO. DRDT-12B

REGION 1 | 19-JUL-2024 | 11:26 | Dxcl | DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Hydraulics/15682 DRDT-12B.dgn

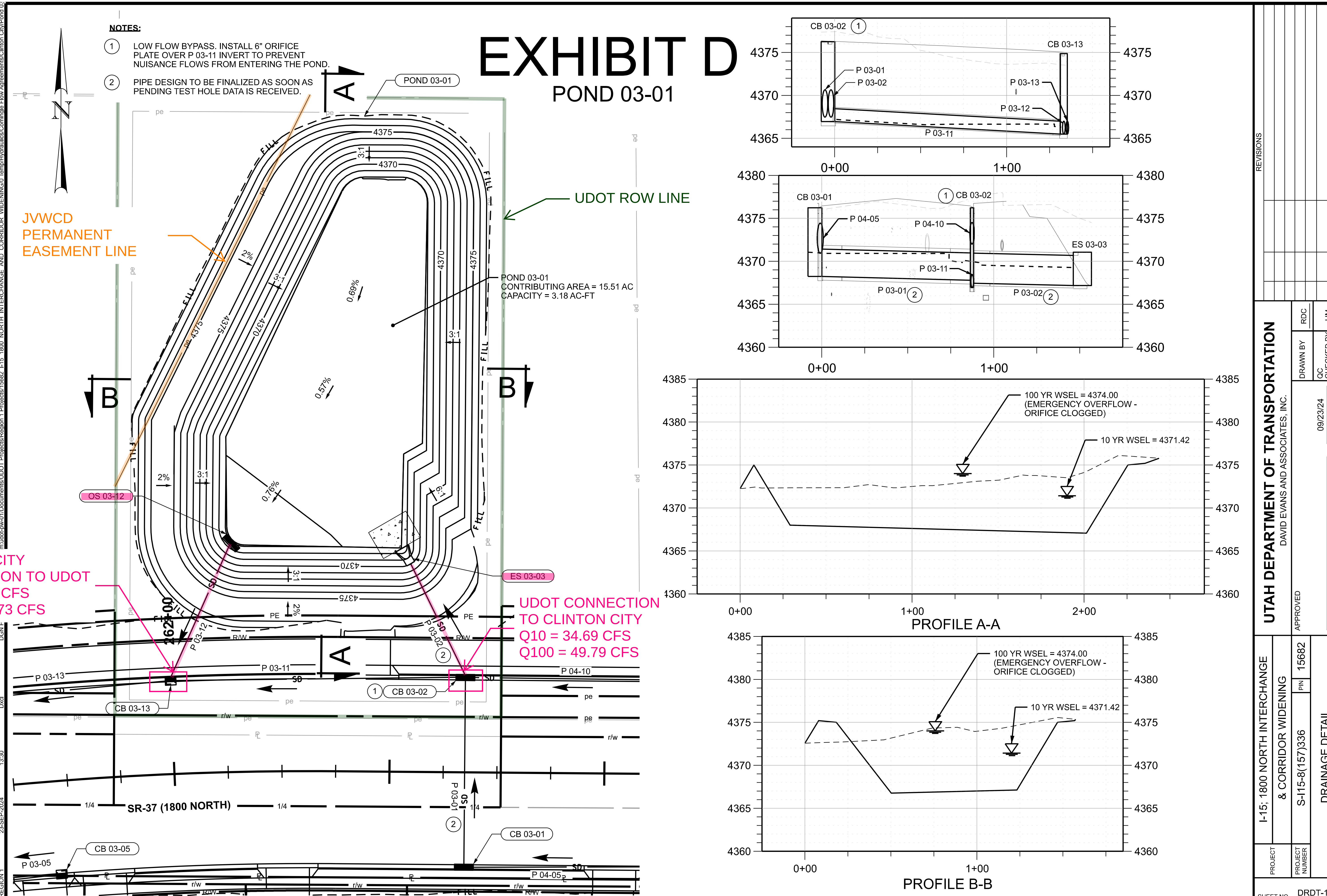


EXHIBIT D
POND 03-01
NOTES:
1 LOW FLOW BYPASS. INSTALL 6" ORIFICE PLATE OVER P 03-11 INVERT TO PREVENT NUISANCE FLOWS FROM ENTERING THE POND.
2 PIPE DESIGN TO BE FINALIZED AS SOON AS PENDING TEST HOLE DATA IS RECEIVED.
JVWCD PERMANENT EASEMENT LINE
UDOT ROW LINE
POND 03-01
POND 03-01 CONTRIBUTING AREA = 15.51 AC CAPACITY = 3.18 AC-FT
CLINTON CITY CONNECTION TO UDOT Q10 = 2.50 CFS Q100 = 10.73 CFS
UDOT CONNECTION TO CLINTON CITY Q10 = 34.69 CFS Q100 = 49.79 CFS
OS 03-12
ES 03-03
CB 03-13
CB 03-02
CB 03-01
CB 03-05
P 03-13
P 03-11
P 03-12
P 03-02
P 03-01
P 04-10
P 04-05
P 03-05
SR-37 (1800 NORTH)
PROFILE A-A
100 YR WSEL = 4374.00 (EMERGENCY OVERFLOW - ORIFICE CLOGGED)
10 YR WSEL = 4371.42
PROFILE B-B
UTAH DEPARTMENT OF TRANSPORTATION
DAVID EVANS AND ASSOCIATES, INC.
DRAWN BY RDC
QC CHECKED BY JJM
09/23/24 DATE
PROFESSIONAL ENGINEER
APPROVED
I-15; 1800 NORTH INTERCHANGE & CORRIDOR WIDENING
S-I15-8(157)336
PIN 15682
DRAINAGE DETAIL
SHEET NO. DRDT-13

EXHIBIT E

DRAINAGE PIPE - 12 INCH, SMOOTH, LEAK-RESISTANT REQ'D

1000 WEST
[P 07A-06] 612+73 RT 53.53 TO 612+84.85 RT 53.25

DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D

1000 WEST
[P 07A-07] 612+81.80 RT 32.50 TO 612+86.80 RT 50.92
[P 07A-08] 612+84.00 RT 31.00 TO 613+79.30 RT 31.31
[P 07A-05] 613+68.85 RT 83.07 TO 614+08.67 RT 89.99
[P 07A-09] 613+83.22 RT 32.10 TO 614+11.29 RT 33.69
[P 07A-04] 613+95.48 RT 137.33 TO 614+06.39 RT 137.80

DRAINAGE PIPE - 30 INCH, SMOOTH, LEAK-RESISTANT REQ'D

1000 WEST
[P 07A-02] 613+91.58 RT 133.46 TO 613+95.77 RT 108.10

DRAINAGE PIPE - 36 INCH, SMOOTH, LEAK-RESISTANT REQ'D

1000 WEST
[P 07A-03] 613+80.05 RT 136.82 TO 613+88.15 RT 137.05

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 4 FT DEEP - CB 5 REQ'D

1000 WEST
[CB 07A-08] 612+82.00 RT 31.92

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 5 FT DEEP - CB 5 REQ'D

1000 WEST
[CB 07A-09] 613+81.08 RT 32.60

CONCRETE DRAINAGE STRUCTURE 4.5 FT WIDE X 5 FT DEEP - CB 5 REQ'D

1000 WEST
[COB 07A-02] 613+95.88 RT 104.60

4 FOOT STANDARD MANHOLE 5 FT TO 7 FT DEEP - CB 11 REQ'D

1000 WEST
[MH 07A-07] 612+86.83 RT 53.92

CONCRETE DRAINAGE STRUCTURE DIVERSION BOX - DB 3A, REQ'D

1000 WEST
[OS 07A-03] 613+91.82 RT 137.14

CIRCULAR END SECTION, CONCRETE 18 INCH REQ'D

1000 WEST
[ES 07A-05] 613+68.85 RT 83.07

CIRCULAR END SECTION, CONCRETE 36 INCH REQ'D

1000 WEST
[ES 07A-04] 613+80.05 RT 136.82

REMOVE CATCH BASIN, REQ'D

1000 WEST
612+76.50 RT 26.60
613+85.46 RT 83.62

REMOVE MANHOLE, REQ'D

1000 WEST
612+74.83 RT 53.04

REMOVE PIPE, REQ'D

1000 WEST
612+74.83 RT 53.04 TO 612+76.50 RT 26.60
612+74.83 RT 53.04 TO 614+05.08 RT 54.58
613+93.80 RT 106.31 TO 614+01.59 RT 106.20
613+86.63 RT 83.93
614+03.12 RT 84.74

LOOSE RIPRAP D50=6" REQ'D

1000 WEST
613+41.63 RT 102.22

DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D

1000 WEST
[P 07A-11] 613+02.00 LT 26.00 TO 613+64.00 LT 22.84
[P 07A-12] 613+68.00 LT 23.06 TO 614+14.23 LT 20.65

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 4 FT DEEP - CB 5 REQ'D

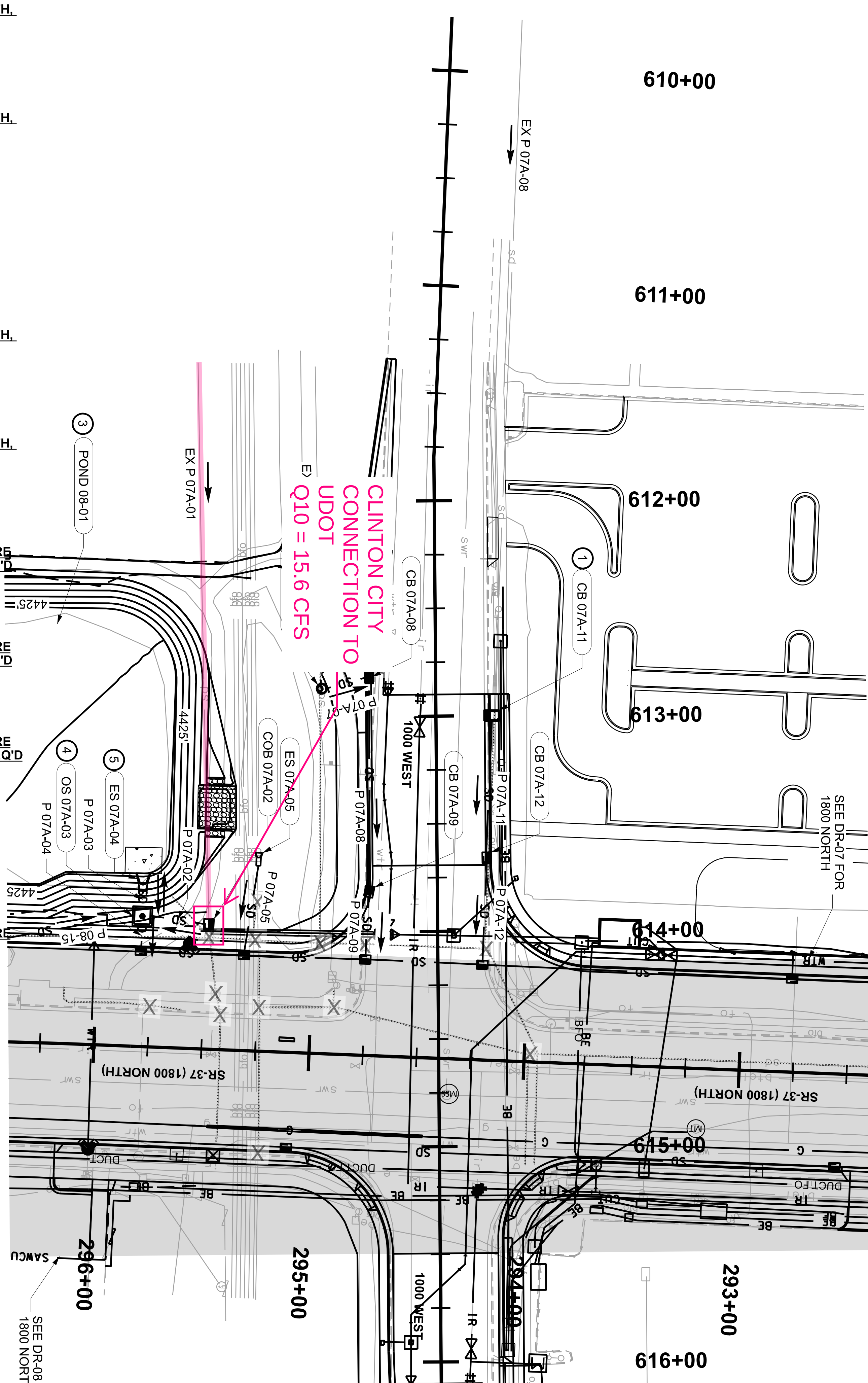
1000 WEST
[CB 07A-12] 613+66.00 LT 24.52

CONCRETE DRAINAGE STRUCTURE 7 FT WIDE X 4 FT DEEP - CB 5 REQ'D

1000 WEST
[CB 07A-11] 613+00.00 LT 22.85

REMOVE PIPE, REQ'D

1000 WEST
612+98.00 LT 27.08
614+08.31 LT 22.40



NOTES:

1. CONNECT EXISTING PIPE TO PROPOSED STRUCTURE CORE AND GROUT A WATER TIGHT CONNECTION. SEE DETAIL B ON SHEET DRDT-02
2. CONNECT EXISTING PIPE TO PROPOSED PIPE USING CONCRETE COLLAR. SEE DRDT-03
3. SEE DRDT-14 & DRDT-14A FOR POND LAYOUT AND GRADING.
4. SEE DRDT-12B FOR OUTLET STRUCTURE DETAILS AND DRDT-12C FOR 4" ORIFICE PLATE TO BE INSTALLED OVER WEIR WALL ORIFICE
5. SEE DRDT-11 FOR RIPRAP PLACEMENT AND QUANTITIES
6. ALL EXISTING DRAINAGE FEATURES NOT SHOWN AS BEING REMOVED, RECONSTRUCTED, OR ABANDONED ARE TO BE PROTECTED-IN-PLACE.

SHEET NO. DR-07A	PROJECT	I-15; 1800 NORTH INTERCHANGE & CORRIDOR WIDENING	
	PROJECT NUMBER	S-I15-8(157)336	PIN 15682
		DRAINAGE	

UTAH DEPARTMENT OF TRANSPORTATION
DAVID EVANS AND ASSOCIATES, INC.

APPROVED
PROFESSIONAL ENGINEER
09/23/24 DATE

DRAWN BY	RDC
QC CHECKED BY	BAL

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

EXHIBIT E

NOTES:

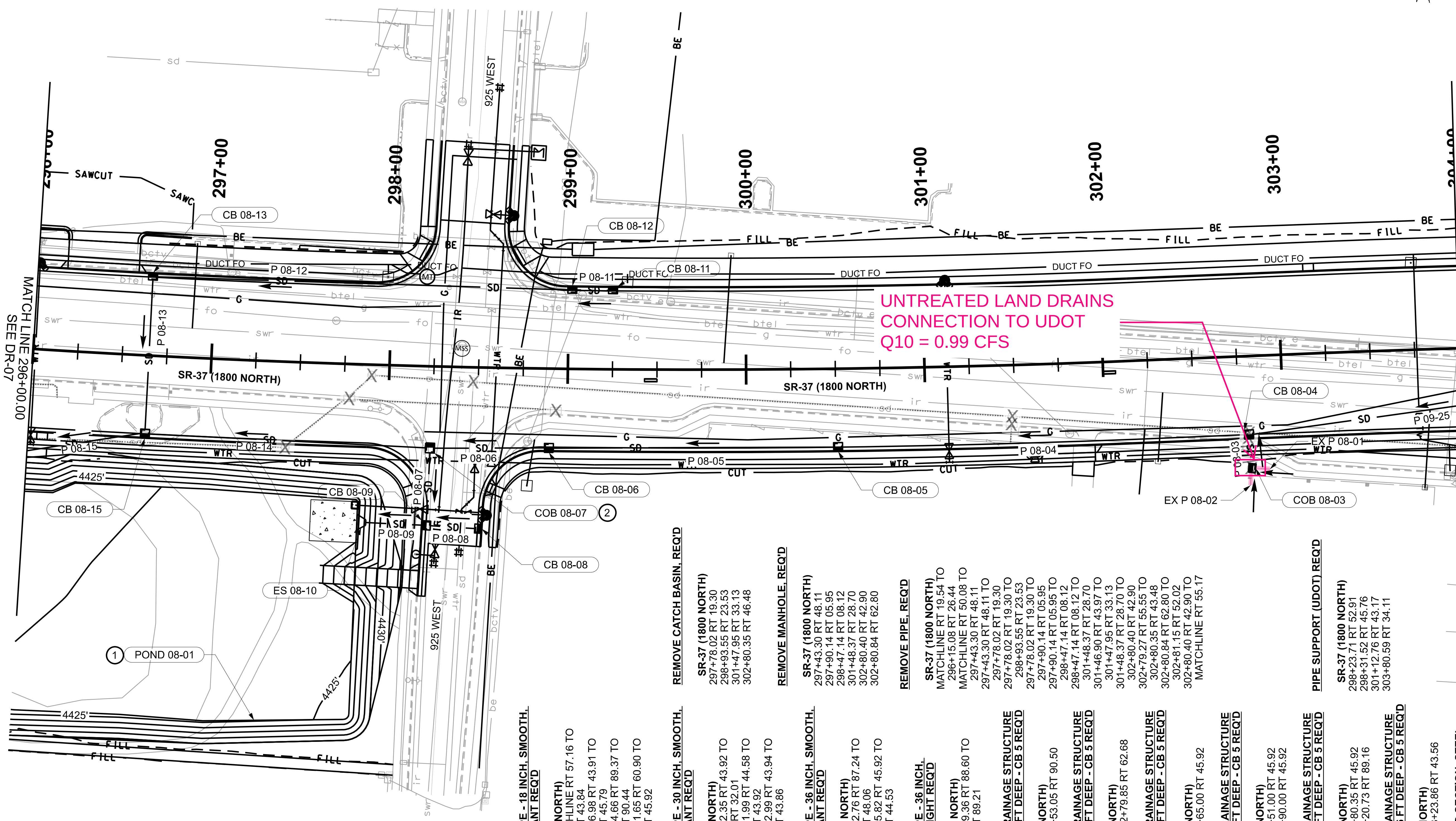
1. SEE DRDT-14 & DRDT-14A FOR POND LAYOUT AND GRADING
2. INSTALL 6" ORIFICE PLATE OVER P 08-14 INVERT. SEE DRDT-12C.
3. ALL EXISTING DRAINAGE FEATURES NOT SHOWN AS BEING REMOVED, RECONSTRUCTED, OR ABANDONED ARE TO BE PROTECTED-IN-PLACE.

DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D

W 1800 N
[P 08-13] 296+65.00 LT 42.92 TO 296+64.94 RT 41.92
[P 08-12] 296+67.02 LT 44.27 TO 298+99.99 LT 44.29
[P 08-11] 299+04.01 LT 44.30 TO 299+22.99 LT 44.28

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 4 FT DEEP - CB 5 REQ'D

W 1800 N
[CB 08-13] 296+65.00 LT 45.92
[CB 08-12] 299+02.00 LT 45.92
[CB 08-11] 299+25.00 LT 45.92



DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D

SR-37 (1800 NORTH)
[P 08-15] MATCHLINE RT 57.16 TO 296+63.01 RT 43.84
[P 08-14] 296+66.98 RT 43.91 TO 298+21.85 RT 45.79
[P 08-08] 298+24.66 RT 89.37 TO 298+50.09 RT 90.44
[P 08-03] 302+81.65 RT 60.90 TO 302+80.38 RT 45.92

REMOVE CATCH BASIN, REQ'D

SR-37 (1800 NORTH)
297+78.02 RT 19.30
298+93.55 RT 23.53
301+47.95 RT 33.13
302+80.35 RT 46.48

DRAINAGE PIPE - 30 INCH, SMOOTH, LEAK-RESISTANT REQ'D

SR-37 (1800 NORTH)
[P 09-25] 302+82.35 RT 43.92 TO MATCHLINE RT 32.01
[P 08-05] 298+91.99 RT 44.58 TO 300+49.01 RT 43.92
[P 08-04] 300+52.99 RT 43.94 TO 302+78.35 RT 43.86

REMOVE MANHOLE, REQ'D

SR-37 (1800 NORTH)
297+43.30 RT 48.11
297+90.14 RT 05.95
298+47.14 RT 08.12
301+48.37 RT 28.70
302+80.40 RT 42.90
302+80.84 RT 62.80

DRAINAGE PIPE - 36 INCH, SMOOTH, LEAK-RESISTANT REQ'D

SR-37 (1800 NORTH)
[P 08-07] 298+22.76 RT 87.24 TO 298+23.84 RT 48.06
[P 08-06] 298+25.82 RT 45.92 TO 298+88.01 RT 44.53

REMOVE PIPE, REQ'D

SR-37 (1800 NORTH)
MATCHLINE RT 19.54 TO 296+15.08 RT 26.44
MATCHLINE RT 50.08 TO 297+43.30 RT 48.11
297+43.30 RT 48.11 TO 297+78.02 RT 19.30
297+78.02 RT 19.30 TO 298+93.55 RT 23.53
297+78.02 RT 19.30 TO 297+90.14 RT 05.95
297+90.14 RT 05.95 TO 298+47.14 RT 08.12
298+47.14 RT 08.12 TO 301+48.37 RT 28.70
301+46.90 RT 43.97 TO 301+47.95 RT 33.13
301+48.37 RT 28.70 TO 302+80.40 RT 42.90
302+79.27 RT 55.55 TO 302+80.35 RT 43.48
302+80.84 RT 62.80 TO 302+81.15 RT 52.02
302+80.40 RT 42.90 TO MATCHLINE RT 55.17

DRAINAGE PIPE - 36 INCH, METAL, SILT-TIGHT REQ'D

SR-37 (1800 NORTH)
[P 08-09] 297+89.36 RT 88.60 TO 298+20.73 RT 89.21

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 4 FT DEEP - CB 5 REQ'D

SR-37 (1800 NORTH)
[CB 08-08] 298+53.05 RT 90.50

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 5 FT DEEP - CB 5 REQ'D

SR-37 (1800 NORTH)
[COB 08-03] 302+79.85 RT 62.68

CONCRETE DRAINAGE STRUCTURE 5 FT WIDE X 4 FT DEEP - CB 5 REQ'D

SR-37 (1800 NORTH)
[CB 08-15] 296+65.00 RT 45.92

CONCRETE DRAINAGE STRUCTURE 5 FT WIDE X 5 FT DEEP - CB 5 REQ'D

SR-37 (1800 NORTH)
[CB 08-05] 300+51.00 RT 45.92
[CB 08-06] 298+90.00 RT 45.92

PIPE SUPPORT (UDOT) REQ'D

SR-37 (1800 NORTH)
298+23.71 RT 52.91
298+31.52 RT 45.76
301+12.76 RT 43.17
303+80.59 RT 34.11

CONCRETE DRAINAGE STRUCTURE 5 FT WIDE X 7 FT DEEP - CB 5 REQ'D

SR-37 (1800 NORTH)
[CB 08-04] 302+80.35 RT 45.92
[CB 08-09] 298+20.73 RT 89.16

CONCRETE DRAINAGE STRUCTURE 5.5 FT WIDE X 6 FT DEEP - CB 5 REQ'D

SR-37 (1800 NORTH)
[COB 08-07] 298+23.86 RT 43.56

CIRCULAR END SECTION, STEEL 36 INCH REQ'D

SR-37 (1800 N)
[ES 08-10] 297+89.36 RT 88.60

REVISIONS
NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
DAVID EVANS AND ASSOCIATES, INC.
PROFESSIONAL ENGINEER
09/23/24 DATE
DRAWN BY RDC
QC CHECKED BY BAL
APPROVED
PROJECT: I-15; 1800 NORTH INTERCHANGE & CORRIDOR WIDENING
PROJECT NUMBER: S-I15-8(157)336
PIN 15682
DRAINAGE
SHEET NO. DR-08

EXHIBIT E

NOTES:

1. CONNECT EXISTING PIPE TO PROPOSED STRUCTURE. CORE AND GROUT A WATER TIGHT CONNECTION. SEE DETAIL B ON SHEET DRDT-02.
2. ALL EXISTING DRAINAGE FEATURES NOT SHOWN AS BEING REMOVED, RECONSTRUCTED, OR ABANDONED ARE TO BE PROTECTED-IN-PLACE.
3. EXISTING PIPE INVERT AND LOCATION UNKNOWN. CONTRACTOR TO FIELD VERIFY.
4. SEAL/PLUG STRUCTURE WALL WHERE PIPE HAS BEEN REMOVED AT EAST INVERT.

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 4 FT DEEP - CB 5 REQ'D
1830 NORTH
[CB 09-12] 813+00.00 LT 15.00
[CB 09-13] 812+03.37 LT 15.00
[CB 09-15] 810+47.00 LT 15.00
[CB 09-17] 810+47.00 LT 15.00

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 5 FT DEEP - CB 5 REQ'D
1830 NORTH
[CB 09-11] 815+22.00 LT 15.00
[CB 09-10] 817+31.98 LT 15.00

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 6 FT DEEP - CB 5 REQ'D
1830 NORTH
[CB 09-16] 810+75.00 RT 15.00

CONCRETE DRAI… 4 FT WIDE X 6 FT … CB 5 REQ'D
SR-37 (1800 NO…
[CB 09-14] 306+3…

CONCRETE DRAI… 4 FT WIDE X 8 FT … CB 5 REQ'D
SR-37 (1800 NO…
[CB 09-18] 305+2…

4 FOOT DIAMETE… PRECAST MANH… 5 FT TO 7 FT DEE…
1830 NORTH
[MH 09-26] 814+9…

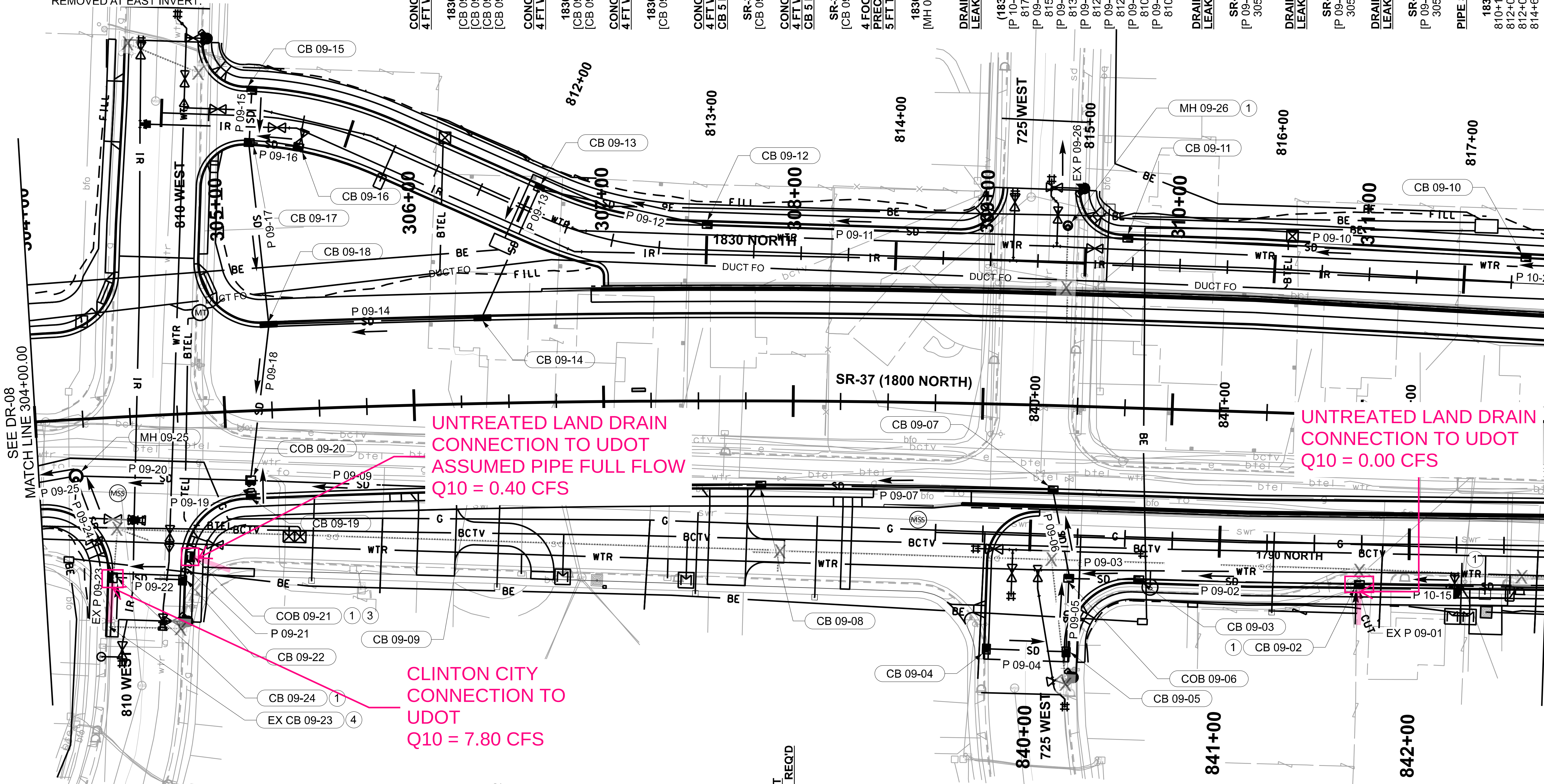
DRAINAGE PIPE … LEAK-RESISTAN…
(1830 NORTH)
[P 10-23] MATCH L… 817+33.98 LT 1…
[P 09-10] 817+29.… 815+24.00 LT 1…
[P 09-11] 815+20.… 813+02.00 LT 13.…
[P 09-12] 812+98.… 812+05.37 LT 1…
[P 09-13] 812+03.42 LT 12.00 TO 812+03.38 RT 60.57
[P 09-15] 810+47.00 LT 12.00 TO 810+46.99 RT 12.58
[P 09-16] 810+72.86 RT 13.35 TO 810+49.15 RT 14.07

DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D
SR-37 (1800 NORTH)
[P 09-17] 305+18.59 LT 140.07 305+24.98 LT 46.00

DRAINAGE PIPE - 24 INCH, SMOOTH, LEAK-RESISTANT REQ'D
SR-37 (1800 NORTH)
[P 09-14] 306+33.13 LT 45.22 TO 305+28.86 LT 45.24

DRAINAGE PIPE - 30 INCH, SMOOTH, LEAK-RESISTANT REQ'D
SR-37 (1800 NORTH)
[P 09-18] 305+25.00 LT 44.33 TO 305+12.41 RT 34.90

PIPE SUPPORT (UDOT) REQ'D
1830 NORTH
810+11.74 RT 06.09
812+03.41 RT 09.64
812+03.42 LT 01.72
814+61.89 LT 13.42



CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 4 FT DEEP - CB 5 REQ'D
1790 NORTH
[CB 09-02] 841+73.96 RT 23.00
[CB 09-03] 840+58.00 RT 23.00
[CB 09-04] 839+77.97 RT 60.69
[CB 09-05] 840+21.94 RT 60.80
SR-37 (1800 NORTH)
[CB 09-19] 305+12.10 RT 46.01
[CB 09-22] 304+74.46 RT 87.69

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 5 FT DEEP - CB 5 REQ'D
SR-37 (1800 NORTH)
[CB 09-09] 306+28.00 RT 46.00
[COB 09-21] 304+79.80 RT 75.68

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 6 FT DEEP - CB 5 REQ'D
SR-37 (1800 NORTH)
[CB 09-08] 307+83.00 RT 46.00
1790 NORTH
[COB 09-06] 840+21.04 RT 20.46

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 11 FT DEEP - CB 5 REQ'D
SR-37 (1800 NORTH)
[CB 09-07] 309+38.41 RT 46.00

CONCRETE DRAINAGE STRUCTURE 5 FT WIDE X 7 FT DEEP - CB 5 REQ'D
SR-37 (1800 NORTH)
[CB 09-24] 304+34.03 RT 84.27

CONCRETE DRAINAGE STRUCTURE 5 FT WIDE X 8 FT DEEP - CB 5 REQ'D
SR-37 (1800 NORTH)
[CB 09-24] 304+34.03 RT 84.27

CONCRETE DRAINAGE STRUCTURE 5 FT WIDE X 9 FT DEEP - CB 5 REQ'D
SR-37 (1800 NORTH)
[COB 09-20] 305+12.04 RT 38.38

6 FOOT DIAMETER CUSTOM PRECAST MANHOLE 7 FT TO 9 FT DEEP - CB 11 REQ'D
SR-37 (1800 NORTH)
[MH 09-25] 304+19.62 RT 31.92

DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D
1790 NORTH
[P 10-15] MATCH LINE RT 22.09 TO 841+75.97 RT 21.47
[P 09-06] 840+21.24 RT 20.46 TO 840+11.49 LT 22.95
[P 09-05] 840+21.03 RT 58.80 TO 840+21.11 RT 23.46
[P 09-04] 839+80.39 RT 60.97 TO 840+19.53 RT 60.76
[P 09-03] 840+56.00 RT 21.47 TO 840+23.04 RT 22.09
[P 09-02] 841+71.97 RT 21.39 TO 840+60.00 RT 21.41

DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D
SR-37 (1800 NORTH)
[P 09-24] 304+36.22 RT 82.45 TO 304+20.34 RT 32.88
[P 09-22] 304+72.03 RT 87.32 TO 304+38.08 RT 84.47
[P 09-21] 304+78.15 RT 77.53 TO 304+73.70 RT 85.62
[P 09-19] 305+12.08 RT 43.01 TO 305+12.04 RT 38.38

DRAINAGE PIPE - 24 INCH, SMOOTH, LEAK-RESISTANT REQ'D
SR-37 (1800 NORTH)
[P 09-07] 309+36.40 RT 44.39 TO 307+85.01 RT 44.38
[P 09-08] 307+80.99 RT 44.36 TO 306+30.01 RT 44.46
[P 09-09] 306+25.99 RT 44.48 TO 305+14.17 RT 36.77

PIPE SUPPORT (UDOT) REQ'D
SR-37 (1800 NORTH)
304+26.60 RT 52.52
304+47.16 RT 85.25
304+65.05 RT 86.75
1790 NORTH
840+11.34 RT 60.74
840+20.61 RT 17.68
840+26.76 RT 22.01

REVISIONS	
NO.	DATE / APPROVED BY / REMARKS
BAL	QC CHECKED BY
RDC	DRAWN BY

UTAH DEPARTMENT OF TRANSPORTATION
DAVID EVANS AND ASSOCIATES, INC.
05/10/24 DATE
PROFESSIONAL ENGINEER
APPROVED

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
DRAINAGE
SHEET NO. DR-09A

REGION 1 · 10-MAY-2024 · 10:16 · Dxcl · DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Hydraulics/15682_DR-09A

EXHIBIT E

NOTES:

1. CONNECT PROPOSED PIPE TO EXISTING STRUCTURE. CORE AND GROUT A WATER TIGHT CONNECTION. SEE DETAIL B ON SHEET DRDT-02.
2. CONNECT EXISTING PIPE TO PROPOSED STRUCTURE. CORE AND GROUT A WATER TIGHT CONNECTION. SEE DETAIL B ON SHEET DRDT-02.
3. ALL EXISTING DRAINAGE FEATURES NOT SHOWN AS BEING REMOVED, RECONSTRUCTED, OR ABANDONED ARE TO BE PROTECTED-IN-PLACE.

DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D
SR-37 (1800 NORTH)
[P 10-19] 318+15.19 RT 38.83 TO 318+08.17 LT 38.83
550 WEST
[P 10-17] 873+73.00 LT 18.31 TO 872+98.19 LT 21.31
[P 10-16] 873+75.00 RT 17.00 TO 873+74.96 LT 17.00
1830 NORTH
[P 10-23] MATCH LINE LT 13.46 TO 819+42.00 LT 13.38
[P 10-22] 821+51.01 LT 13.32 TO 819+44.00 LT 13.39
[P 10-21] 823+58.33 LT 13.36 TO 821+55.00 LT 13.36
[P 10-18] 824+20.11 LT 14.61 TO 823+62.33 LT 13.34

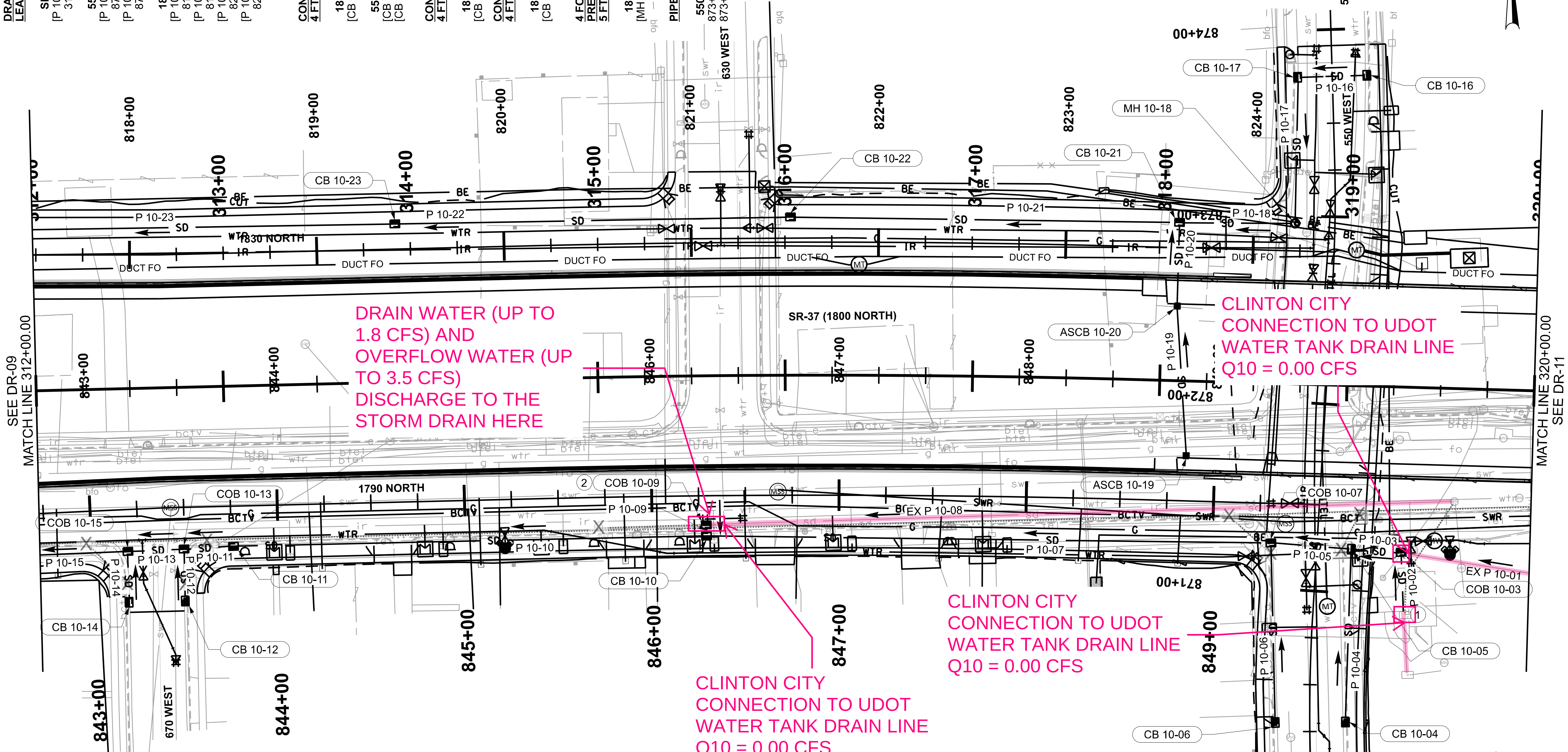
CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 5 FT DEEP - CB 5 REQ'D
1830 NORTH
[CB 10-23] 819+42.00 LT 15.00
550 WEST
[CB 10-17] 873+75.00 LT 20.00
[CB 10-16] 873+75.00 RT 20.00

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 6 FT DE
1830 NORTH
[CB 10-21] 823+60.3

CONCRETE DRAINA 4 FT WIDE X 8 FT DE
1830 NORTH
[CB 10-22] 821+53.0

4 FOOT DIAMETER PRECAST MANHOL 5 FT TO 7 FT DEEP
1830 NORTH
[MH 10-18] 824+23.1

PIPE SUPPORT (UD
550 WEST
873+74.97 LT 08.50
873+74.99 RT 11.93



DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D
1790 NORTH
[P 10-15] MATCH LINE RT 22.09 TO 843+17.20 RT 22.38
[P 10-14] 843+18.77 RT 47.54 TO 843+18.96 RT 23.84
[P 10-13] 843+47.73 RT 22.37 TO 843+21.20 RT 22.50
[P 10-12] 843+49.73 RT 48.00 TO 843+49.68 RT 23.77
[P 10-11] 843+74.15 RT 21.38 TO 843+51.73 RT 22.40
[P 10-10] 846+27.00 RT 21.35 TO 843+78.15 RT 21.40
[P 10-09] 846+29.15 RT 17.00 TO 846+29.12 RT 20.00
[P 10-07] 849+29.25 RT 21.17 TO 846+31.01 RT 21.43
550 WEST
[P 10-06] 870+31.85 LT 18.50 TO 871+22.80 LT 24.46
[P 10-05] 871+23.54 RT 17.00 TO 871+24.42 LT 22.57
[P 10-04] 870+32.04 RT 19.08 TO 871+21.49 RT 18.41
[P 10-03] 871+23.11 RT 43.15 TO 871+23.46 RT 20.00

DRAINAGE PIPE - 12 INCH, RCP, LEAK-RESISTANT REQ'D
550 WEST
[P 10-02] 870+91.91 RT 48.18 TO 871+21.90 RT 45.27

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 4 FT DEEP - CB 5 REQ'D
1790 NORTH
[COB 10-15] 843+19.22 RT 20.84
[CB 10-14] 843+17.09 RT 49.51
[COB 10-13] 843+49.73 RT 20.77
[CB 10-12] 843+50.65 RT 50.00
[CB 10-11] 843+76.15 RT 23.00
[CB 10-10] 846+29.00 RT 23.00
550 WEST
[CB 10-04] 870+30.00 RT 20.00

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 5 FT DEEP - CB 5 REQ'D
1790 NORTH
[COB 10-09] 846+29.00 RT 14.00
[COB 10-07] 849+31.18 RT 19.55
550 WEST
[CB 10-06] 870+29.87 LT 19.36
[CB 10-05] 870+23.49 RT 20.00

CONCRETE DRAINAGE STRUCTUR 4 FT WIDE X 6 FT DEEP - CB 5 REQ
550 WEST
[COB 10-03] 871+24.89 RT 44.99

REMOVE CATCH BASIN, REQ'D
SR-37 (1800 NORTH)
312+24.77 RT 82.10
312+46.20 RT 103.79
312+76.98 RT 104.69
312+89.20 RT 82.06
318+38.99 RT 71.11
318+61.78 RT 90.46
318+99.31 RT 87.59
319+08.84 RT 67.45

REMOVE MANHOLE, REQ'D
SR-37 (1800 NORTH)
314+98.75 RT 79.78
319+30.44 RT 87.95

REMOVE PIPE, REQ'D
SR-37 (1800 NORTH)
MATCHLINE RT 82.07 TO 312+24.77 RT 82.10
312+24.77 RT 82.10 TO 312+46.20 RT 103.79
312+24.77 RT 82.10 TO 312+89.20 RT 82.06
312+89.20 RT 82.06 TO 312+76.98 RT 104.69
312+89.20 RT 82.06 TO 318+38.99 RT 71.11
314+98.65 RT 81.53 TO 314+98.75 RT 79.78
314+98.75 RT 79.78 TO 315+59.10 RT 79.32
318+38.99 RT 71.11 TO 318+61.78 RT 90.46
318+38.99 RT 71.11 TO 319+08.84 RT 67.45
319+08.84 RT 67.45 TO 318+99.31 RT 87.59
319+08.84 RT 67.45 TO 319+23.96 RT 66.02
319+23.96 RT 66.02 TO 319+30.44 RT 87.95
319+23.96 RT 66.02 TO MATCHLINE RT 61.87

PIPE SUPPORT (UDOT) REQ'D
1790 NORTH
845+21.15 RT 21.66
849+49.43 RT 21.89

REGION 1 10-MAY-2024 10:45 Dxcl DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Hydraulics/15682 DR-10

NO.	DATE	APPROVED BY	REMARKS

REVISIONS

UTAH DEPARTMENT OF TRANSPORTATION
DAVID EVANS AND ASSOCIATES, INC.

DRAWN BY RDC
QC CHECKED BY BAL
05/10/24 DATE
PROFESSIONAL ENGINEER
APPROVED

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
DRAINAGE
SHEET NO. DR-10

EXHIBIT F

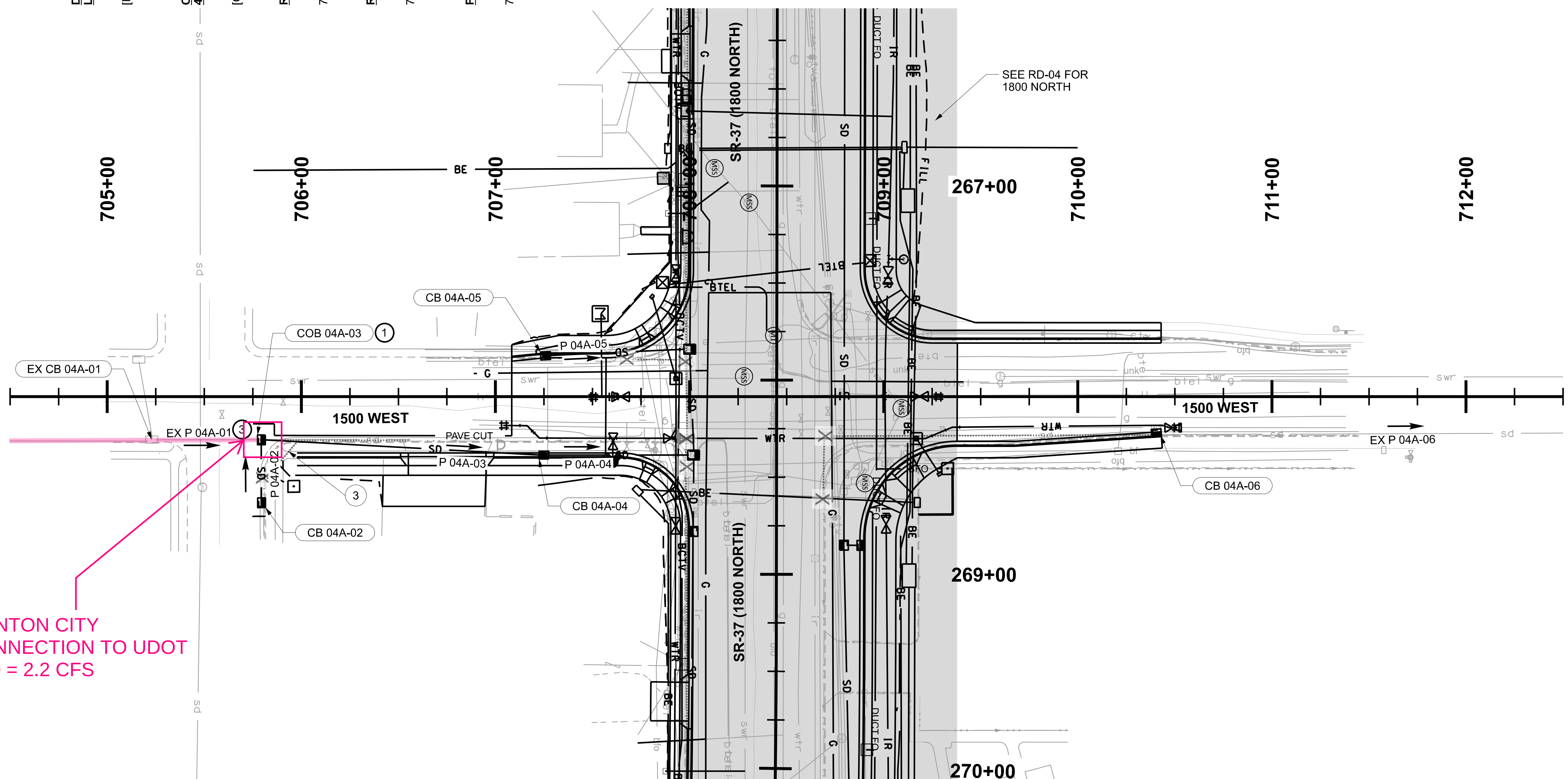
DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D
1500 WEST
[P 04A-05] 707+27.79 LT 21.18 TO 707+97.61 LT 24.42

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 4 FT DEEP - CB 5 REQ'D
1500 WEST
[CB 04A-05] 707+25.75 LT 22.00

REMOVE CATCH BASIN, REQ'D
1500 WEST
707+67.74 LT 19.05

REMOVE PIPE, REQ'D
1500 WEST
707+67.74 LT 19.05 TO 707+98.04 LT 18.24

PIPE SUPPORT (UDOT) REQ'D
1500 WEST
707+88.71 LT 24.01



CLINTON CITY
CONNECTION TO UDOT
Q10 = 2.2 CFS

DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D
1500 WEST
[P 04A-02] 705+79.35 RT 24.21 TO 705+79.43 RT 52.63

DRAINAGE PIPE - 24 INCH, SMOOTH, LEAK-RESISTANT REQ'D
1500 WEST
[P 04A-03] 705+80.96 RT 22.22 TO 707+23.00 RT 30.08
[P 04A-04] 707+27.00 RT 30.08 TO 707+99.54 RT 30.07

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 4 FT DEEP - CB 5 REQ'D
1500 WEST
[CB 04A-02] 705+80.99 RT 54.62
[CB 04A-06] 710+40.57 RT 20.21

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 5 FT DEEP - CB 5 REQ'D
1500 WEST
[COB 04A-03] 705+80.96 RT 22.21
[CB 04A-04] 707+25.00 RT 31.00

REMOVE CATCH BASIN, REQ'D
1500 WEST
705+80.23 RT 41.86

REMOVE PIPE, REQ'D
1500 WEST
705+77.96 RT 22.21 TO 706+56.28 RT 22.20
705+80.23 RT 41.86 TO 705+98.70 RT 22.11
708+69.87 RT 20.22 TO 710+42.53 RT 19.57

PIPE SUPPORT (UDOT) REQ'D
1500 WEST
707+60.45 RT 30.08

NOTES:

1. CONNECT EXISTING PIPE TO PROPOSED STRUCTURE CORE AND GROUT A WATER TIGHT CONNECTION. SEE DETAIL B ON SHEET DRDT-02
2. ALL EXISTING DRAINAGE FEATURES NOT SHOWN AS BEING REMOVED, RECONSTRUCTED, OR ABANDONED ARE TO BE PROTECTED-IN-PLACE.
3. UNABLE TO VERIFY PIPE LENGTH OR LOCATION. CONTRACTOR TO FIELD VERIFY PIPE LOCATION AND REMOVAL EXTENTS.

UTAH DEPARTMENT OF TRANSPORTATION
DAVID EVANS AND ASSOCIATES, INC.

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

DRAWN BY RDC
QC CHECKED BY BAL
APPROVED
05/14/24
DATE
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
DRAINAGE
SHEET NO. DR-04A

REGION 1 14-MAY-2024 11:15 Dxcl DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Hydraulics/15682_DR-04A

EXHIBIT F

DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D

SR-37 (1800 NORTH)
[P 05-10] 272+74.95 RT 76.36 TO 272+75.16 RT 46.66
[P 05-09] 272+77.51 RT 78.32 TO 273+11.78 RT 77.40
[P 05-05] 278+51.80 RT 44.37 TO 278+54.75 RT 66.30
[P 05-03] 279+13.64 RT 61.87 TO 278+54.75 RT 66.30

DRAINAGE PIPE - 36 INCH, SMOOTH, LEAK-RESISTANT REQ'D

SR-37 (1800 NORTH)
[P 05-11] MATCHLINE RT 44.11 TO 272+73.11 RT 44.69
[P 05-08] 272+77.11 RT 44.68 TO 273+39.00 RT 43.54
[P 05-07] 273+43.00 RT 43.49 TO 276+33.00 RT 42.99
[P 05-06] 276+37.00 RT 43.03 TO 278+51.80 RT 44.37
[P 05-01] 278+55.80 RT 44.36 TO 279+27.00 RT 42.99
[P 06-11] 279+31.00 RT 43.09 TO MATCHLINE RT 43.02

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 4 FT DEEP - CB 5 REQ'D

SR-37 (1800 NORTH)
[CB 05-10] 272+74.51 RT 78.40
[CB 05-09] 273+14.20 RT 77.33

CONCRETE DRAINAGE STRUCTURE 5 FT WIDE X 5 FT DEEP - CB 5 REQ'D

SR-37 (1800 NORTH)
[CB 05-01] 279+29.00 RT 45.00

CONCRETE DRAINAGE STRUCTURE 5 FT WIDE X 6 FT DEEP - CB 5 REQ'D

SR-37 (1800 NORTH)
[COB 05-11] 272+75.05 RT 42.66
[CB 05-08] 273+41.00 RT 45.50

CONCRETE DRAINAGE STRUCTURE 5 FT WIDE X 7 FT DEEP - CB 5 REQ'D

SR-37 (1800 NORTH)
[CB 05-07] 276+35.00 RT 45.00

CONCRETE DRAINAGE STRUCTURE 5 FT WIDE X 8 FT DEEP - CB 5 REQ'D

SR-37 (1800 NORTH)
[COB 05-03] 279+15.66 RT 63.24

CONCRETE DRAINAGE STRUCTURE 5.5 FT WIDE X 7 FT DEEP - CB 5 REQ'D

SR-37 (1800 NORTH)
[COB 05-05] 278+58.11 RT 68.24

CONCRETE DRAINAGE STRUCTURE 5.5 FT WIDE X 9 FT DEEP - CB 5 REQ'D

SR-37 (1800 NORTH)
[COB 05-06] 278+53.79 RT 42.15

REMOVE CATCH BASIN, REQ'D

SR-37 (1800 NORTH)
272+72.72 RT 39.70
273+16.08 RT 37.89
278+53.43 RT 27.22
279+00.54 RT 27.34

REMOVE PIPE, REQ'D

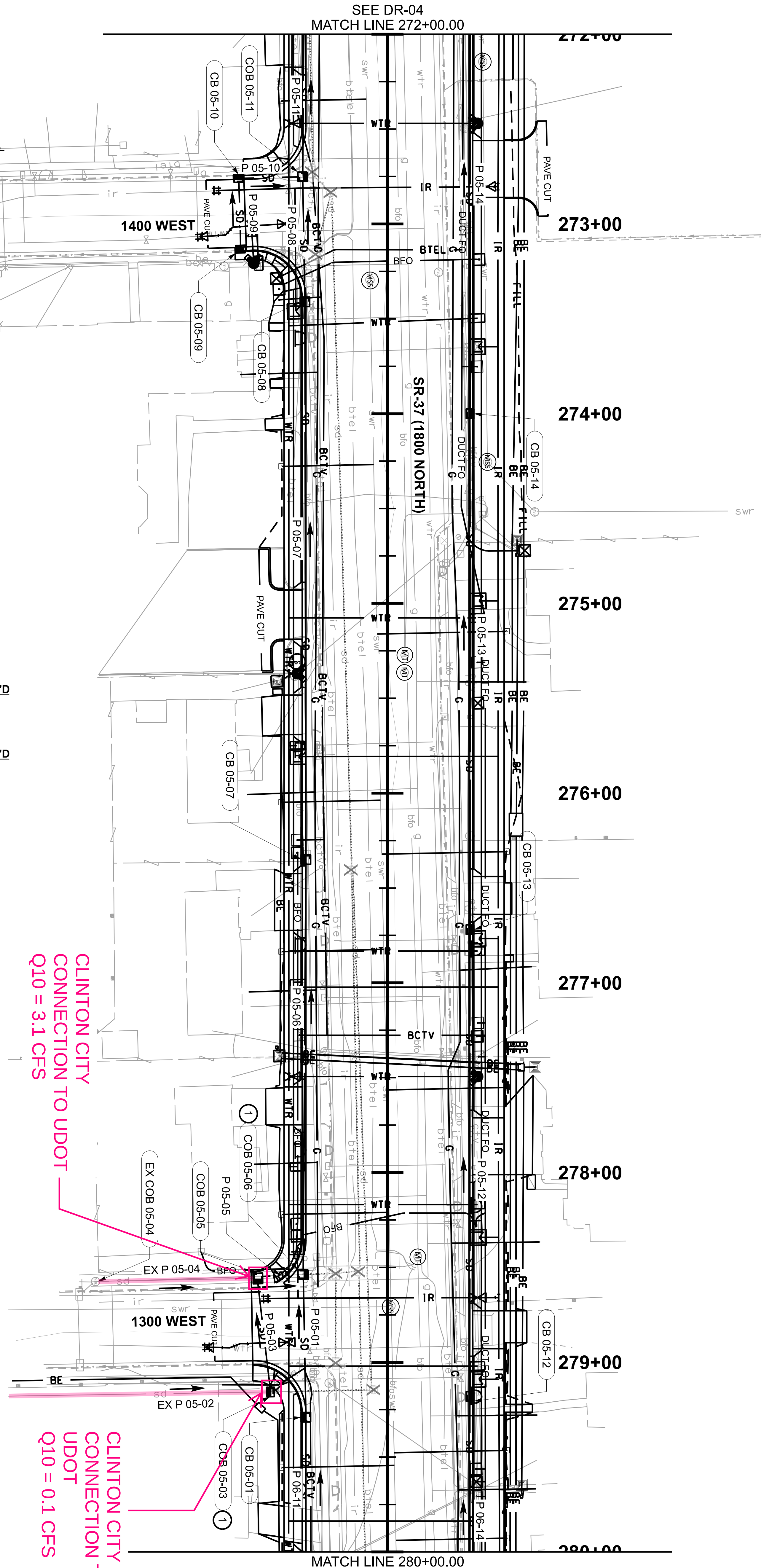
SR-37 (1800 NORTH)
MATCHLINE RT 41.08 TO 272+72.72 RT 39.70
272+72.72 RT 39.70 TO 272+83.46 RT 29.85
272+83.46 RT 29.85 TO 273+16.08 RT 37.89
272+83.46 RT 29.85 TO 276+40.61 RT 19.11
276+40.61 RT 19.11 TO 278+52.37 RT 15.43
276+40.61 RT 19.11 TO 279+14.46 RT 7.39
278+52.37 RT 15.43 TO 278+53.43 RT 27.22
278+52.37 RT 15.43 TO MATCHLINE RT 11.67
278+53.43 RT 27.22 TO 278+53.89 RT 45.15
278+53.43 RT 27.22 TO 279+00.54 RT 27.34
279+14.46 RT 07.39 TO 279+15.37 RT 45.00

REMOVE MANHOLE, REQ'D

SR-37 (1800 NORTH)
272+83.46 RT 29.85
276+40.61 RT 19.11
278+52.37 RT 15.43
279+14.46 RT 07.39

PIPE SUPPORT (UDOT) REQ'D

SR-37 (1800 NORTH)
272+47.00 RT 44.49
272+75.31 RT 52.00
272+82.07 RT 78.19
278+71.53 RT 66.76



DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D

SR-37 (1800 NORTH)
[P 05-14] MATCH LINE LT 43.51 TO 273+98.00 LT 43.59
[P 05-13] 274+02.00 LT 43.49 TO 276+70.00 LT 43.51
[P 05-12] 276+74.00 LT 43.47 TO 279+16.00 LT 43.41
[P 06-14] 279+20.00 LT 43.45 TO MATCH LINE LT 43.48

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 4 FT DEEP - CB 5 REQ'D

SR-37 (1800 NORTH)
[CB 05-14] 274+00.00 LT 45.00
[CB 05-13] 276+72.00 LT 45.00
[CB 05-12] 279+18.00 LT 45.00

PIPE SUPPORT (UDOT) REQ'D

SR-37 (1800 NORTH)
272+47.00 LT 43.53

NOTES:

1. CONNECT EXISTING PIPE TO PROPOSED STRUCTURE CORE AND GROUT A WATER TIGHT CONNECTION. SEE DETAIL B ON SHEET DRDT-02
2. ALL EXISTING DRAINAGE FEATURES NOT SHOWN AS BEING REMOVED, RECONSTRUCTED, OR ABANDONED ARE TO BE PROTECTED-IN-PLACE.

PROJECT	I-15; 1800 NORTH INTERCHANGE		
PROJECT NUMBER	S-I15-8(157)336	PIN	15682
	DRAINAGE		

UTAH DEPARTMENT OF TRANSPORTATION
DAVID EVANS AND ASSOCIATES, INC.

APPROVED
PROFESSIONAL ENGINEER
DATE 05/14/24
DRAWN BY RDC
QC CHECKED BY BAL

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

SHEET NO. DR-05

EXHIBIT F

NOTES:

1. CONNECT EXISTING PIPE TO PROPOSED STRUCTURE CORE AND GROUT A WATER TIGHT CONNECTION. SEE DETAIL B ON SHEET DRDT-02
2. ALL EXISTING DRAINAGE FEATURES NOT SHOWN AS BEING REMOVED, RECONSTRUCTED, OR ABANDONED ARE TO BE PROTECTED-IN-PLACE.

DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D

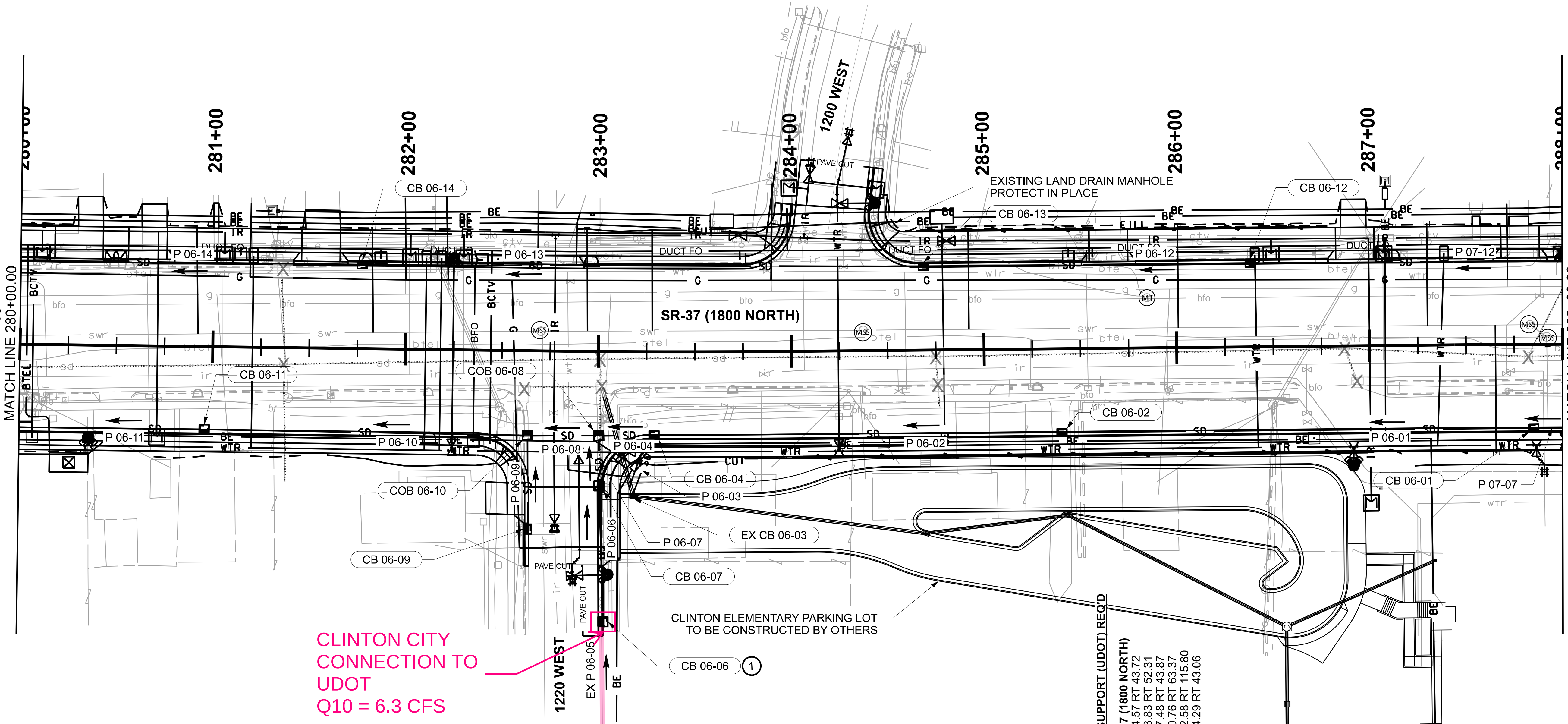
SR-37 (1800 NORTH)
[P 06-14] MATCHLINE LT 43.48 TO 281+75.00 LT 43.56
[P 06-13] 281+79.00 LT 43.38 TO 284+67.00 LT 43.36
[P 06-12] 284+71.00 LT 43.49 TO 286+36.48 LT 43.48
[P 07-12] 286+40.48 LT 43.41 TO MATCH LINE LT 43.35

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 4 FT DEEP - CB 5 REQ'D

SR-37 (1800 NORTH)
[CB 06-14] 281+77.00 LT 45.00
[CB 06-13] 284+69.00 LT 45.00
[CB 06-12] 286+38.48 LT 45.00

REMOVE CATCH BASIN, REQ'D

SR-37 (1800 NORTH)
281+36.01 LT 41.00



DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D

SR-37 (1800 NORTH)
[P 06-09] 282+64.47 RT 90.47 TO 282+63.72 RT 45.90
[P 06-03] 283+18.59 RT 72.99 TO 283+28.90 RT 45.00

DRAINAGE PIPE - 24 INCH, SMOOTH, LEAK-RESISTANT REQ'D

SR-37 (1800 NORTH)
[P 06-02] 285+38.00 RT 43.41 TO 283+30.99 RT 43.25
[P 06-01] 287+82.98 RT 43.41 TO 285+42.00 RT 43.40
[P 07-07] 287+87.00 RT 43.42 TO MATCHLINE RT 43.45

DRAINAGE PIPE - 30 INCH, SMOOTH, LEAK-RESISTANT REQ'D

SR-37 (1800 NORTH)
[P 06-04] 283+27.02 RT 43.25 TO 283+02.52 RT 43.69

DRAINAGE PIPE - 36 INCH, SMOOTH, LEAK-RESISTANT REQ'D

SR-37 (1800 NORTH)
[P 06-11] MATCHLINE RT 43.02 TO 280+94.00 RT 42.92
[P 06-10] 282+61.67 RT 43.96 TO 280+94.00 RT 42.92
[P 06-08] 282+98.55 RT 43.71 TO 282+65.67 RT 43.99
[P 06-07] 283+00.80 RT 67.70 TO 283+00.62 RT 45.66
[P 06-06] 283+03.43 RT 138.06 TO 283+00.88 RT 71.70

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 4 FT DEEP - CB 5 REQ'D

SR-37 (1800 NORTH)
[CB 06-09] 282+62.91 RT 92.50
[CB 06-02] 285+40.00 RT 45.00
[CB 06-01] 287+85.00 RT 45.00

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 5 FT DEEP - CB 5 REQ'D

SR-37 (1800 NORTH)
[CB 06-03] 283+29.00 RT 45.00
[CB 06-02] 285+40.00 RT 45.00
[CB 06-01] 287+40.00 RT 45.00

CONCRETE DRAINAGE STRUCTURE 4.5 FT WIDE X 5 FT DEEP - CB 5 REQ'D

SR-37 (1800 NORTH)
[CB 06-04] 283+29.00 RT 45.00

CONCRETE DRAINAGE STRUCTURE 5 FT WIDE X 5 FT DEEP - CB 5 REQ'D

SR-37 (1800 NORTH)
[CB 06-07] 283+02.21 RT 69.68
[CB 06-06] 283+01.45 RT 140.07

CONCRETE DRAINAGE STRUCTURE 5 FT WIDE X 6 FT DEEP - CB 5 REQ'D

SR-37 (1800 NORTH)
[CB 06-11] 280+96.00 RT 45.00
[COB 06-08] 283+00.48 RT 41.66

CONCRETE DRAINAGE STRUCTURE 5 FT WIDE X 7 FT DEEP - CB 5 REQ'D

SR-37 (1800 NORTH)
[COB 06-10] 282+63.64 RT 41.90

REMOVE CATCH BASIN, REQ'D

SR-37 (1800 NORTH)
282+61.91 RT 19.84
283+02.00 RT 18.11
284+76.01 RT 17.29
286+93.48 RT 18.23

PIPE SUPPORT (UDOT) REQ'D

SR-37 (1800 NORTH)
282+24.57 RT 43.72
282+63.83 RT 52.31
282+77.48 RT 43.87
283+00.76 RT 63.37
283+02.58 RT 115.80
284+24.29 RT 43.06

REMOVE MANHOLE, REQ'D

SR-37 (1800 NORTH)
281+36.92 RT 08.65
283+01.04 RT 04.01
284+75.06 RT 03.74
286+87.16 RT 01.32
287+82.39 RT 06.53

REMOVE PIPE, REQ'D

SR-37 (1800 NORTH)
MATCHLINE RT 11.67 TO 281+36.92 RT 08.65
281+36.92 RT 08.65 TO 281+36.01 LT 41.00
281+36.92 RT 08.65 TO 281+36.38 RT 69.69
281+36.92 RT 08.65 TO 283+01.04 RT 04.01
282+61.91 RT 19.84 TO 283+02.00 RT 18.11
283+01.04 RT 04.01 TO 283+02.00 RT 18.11
283+02.00 RT 18.11 TO 283+01.79 RT 71.69
283+01.04 RT 04.01 TO 284+75.06 RT 03.74
284+75.06 RT 03.74 TO 284+76.01 RT 17.29
284+76.01 RT 17.29 TO 284+76.85 RT 29.86
284+75.06 RT 03.74 TO 286+87.16 RT 01.32
286+87.16 RT 01.32 TO 286+93.48 RT 18.23
286+87.16 RT 01.32 TO 287+82.39 RT 06.53
287+82.39 RT 06.53 TO MATCHLINE LT 28.74
287+82.39 RT 06.53 TO MATCHLINE RT 06.04

UTAH DEPARTMENT OF TRANSPORTATION
DAVID EVANS AND ASSOCIATES, INC.

REVISIONS	
NO. / DATE / APPROVED BY / REMARKS	
DRAWN BY	RDC
QC CHECKED BY	BAL
DATE	05/14/24
APPROVED	PROFESSIONAL ENGINEER
PROJECT	I-15; 1800 NORTH INTERCHANGE
PIN	15682
PROJECT NUMBER	S-I15-8(157)336
	DRAINAGE
SHEET NO.	DR-06

REGION 1 14-MAY-2024 11:26 Dxcl DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Hydraulics/15682_DR-06

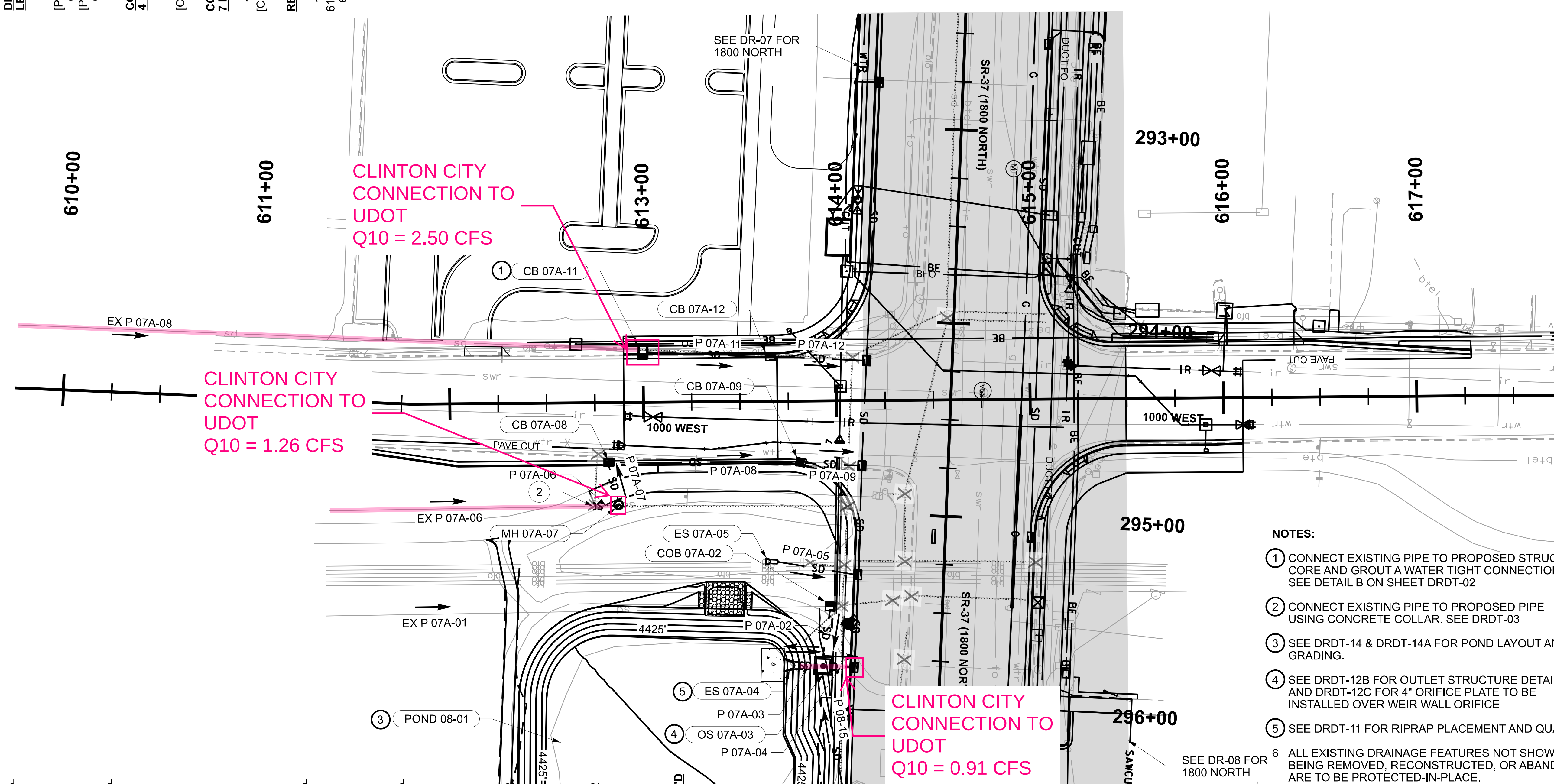
EXHIBIT F

DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D
1000 WEST
[P 07A-11] 613+02.00 LT 26.00 TO 613+64.00 LT 22.84
[P 07A-12] 613+68.00 LT 23.06 TO 614+14.23 LT 20.65

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 4 FT DEEP - CB 5 REQ'D
1000 WEST
[CB 07A-12] 613+66.00 LT 24.52

CONCRETE DRAINAGE STRUCTURE 7 FT WIDE X 4 FT DEEP - CB 5 REQ'D
1000 WEST
[CB 07A-11] 613+00.00 LT 22.85

REMOVE PIPE, REQ'D
1000 WEST
612+98.00 LT 27.08
614+08.31 LT 22.40



NOTES:

1. CONNECT EXISTING PIPE TO PROPOSED STRUCTURE CORE AND GROUT A WATER TIGHT CONNECTION. SEE DETAIL B ON SHEET DRDT-02
2. CONNECT EXISTING PIPE TO PROPOSED PIPE USING CONCRETE COLLAR. SEE DRDT-03
3. SEE DRDT-14 & DRDT-14A FOR POND LAYOUT AND GRADING.
4. SEE DRDT-12B FOR OUTLET STRUCTURE DETAILS AND DRDT-12C FOR 4" ORIFICE PLATE TO BE INSTALLED OVER WEIR WALL ORIFICE
5. SEE DRDT-11 FOR RIPRAP PLACEMENT AND QUANTITIES
6. ALL EXISTING DRAINAGE FEATURES NOT SHOWN AS BEING REMOVED, RECONSTRUCTED, OR ABANDONED ARE TO BE PROTECTED-IN-PLACE.

DRAINAGE PIPE - 12 INCH, SMOOTH, LEAK-RESISTANT REQ'D
1000 WEST
[P 07A-06] 612+73 RT 53.53 TO 612+84.85 RT 53.25

DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D
1000 WEST
[P 07A-07] 612+81.80 RT 32.50 TO 612+86.80 RT 50.92
[P 07A-08] 612+84.00 RT 31.00 TO 613+79.30 RT 31.31
[P 07A-05] 613+68.85 RT 83.07 TO 614+08.67 RT 89.99
[P 07A-09] 613+83.22 RT 32.10 TO 614+11.29 RT 33.69
[P 07A-04] 613+95.48 RT 137.33 TO 614+06.39 RT 137.80

DRAINAGE PIPE - 30 INCH, SMOOTH, LEAK-RESISTANT REQ'D
1000 WEST
[P 07A-02] 613+91.58 RT 133.46 TO 613+95.77 RT 108.10

DRAINAGE PIPE - 36 INCH, SMOOTH, LEAK-RESISTANT REQ'D
1000 WEST
[P 07A-03] 613+80.05 RT 136.82 TO 613+88.15 RT 137.05

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 4 FT DEEP - CB 5 REQ'D
1000 WEST
[CB 07A-08] 612+82.00 RT 31.92

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 5 FT DEEP - CB 5 REQ'D
1000 WEST
[CB 07A-09] 613+81.08 RT 32.60

CONCRETE DRAINAGE STRUCTURE 4.5 FT WIDE X 5 FT DEEP - CB 5 REQ'D
1000 WEST
[COB 07A-02] 613+95.88 RT 104.60

4 FOOT STANDARD MANHOLE 5 FT TO 7 FT DEEP - CB 11 REQ'D
1000 WEST
[MH 07A-07] 612+86.83 RT 53.92

CONCRETE DRAINAGE STRUCTURE DIVERSION BOX - DB 3A, REQ'D
1000 WEST
[OS 07A-03] 613+91.82 RT 137.14

CIRCULAR END SECTION, CONCRETE 18 INCH REQ'D
1000 WEST
[ES 07A-05] 613+68.85 RT 83.07

CIRCULAR END SECTION, CONCRETE 36 INCH REQ'D
1000 WEST
[ES 07A-04] 613+80.05 RT 136.82

REMOVE CATCH BASIN, REQ'D
1000 WEST
612+76.50 RT 26.60
613+85.46 RT 83.62

REMOVE MANHOLE, REQ'D
1000 WEST
612+74.83 RT 53.04

REMOVE PIPE, REQ'D
1000 WEST
612+74.83 RT 53.04 TO 612+76.50 RT 26.60
612+74.83 RT 53.04 TO 614+05.08 RT 54.58
613+93.80 RT 106.31 TO 614+01.59 RT 106.20
613+86.63 RT 83.93
614+03.12 RT 84.74

LOOSE RIPRAP D50=6" REQ'D
1000 WEST
613+41.63 RT 102.22

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
DAVID EVANS AND ASSOCIATES, INC.

DRAWN BY	RDC
QC CHECKED BY	BAL
DATE	09/23/24
APPROVED	
PROFESSIONAL ENGINEER	
PROJECT	I-15; 1800 NORTH INTERCHANGE & CORRIDOR WIDENING
PIN	15682
PROJECT NUMBER	S-I15-8(157)336
	DRAINAGE
SHEET NO.	DR-07A

EXHIBIT F

DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D
SR-37 (1800 NORTH)
[P 03-16] MATCHLINE LT 43.34 TO 257+38.00 LT 43.38
[P 03-15] 257+42.00 LT 43.41 TO 259+46.21 LT 36.43
[P 03-14] 259+50.31 LT 36.60 TO 260+48.06 LT 43.40
[P 03-13] 260+51.95 LT 43.42 TO 261+98.06 LT 43.42
[P 03-12] 262+00.06 LT 44.92 TO 262+28.22 LT 106.02
[P 03-11] 262+01.94 LT 43.45 TO 263+31.11 LT 44.23

DRAINAGE PIPE - 30 INCH, SMOOTH, LEAK-RESISTANT REQ'D
SR-37 (1800 NORTH)
[P 04-10] 263+38.89 LT 44.15 TO MATCHLINE LT 43.90

DRAINAGE PIPE - 42 INCH, REINFORCED CONCRETE, LEAK-RESISTANT REQ'D
SR-37 (1800 NORTH)
[P 03-02] 263+09.10 LT 96.87 TO 263+35.02 LT 44.92

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 9 FT DEEP - CB 5 REQ'D
SR-37 (1800 NORTH)
[CB 03-16] 257+40.00 LT 44.92

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 10 FT DEEP - CB 5 REQ'D
SR-37 (1800 NORTH)
[CB 03-13] 262+00.00 LT 44.92

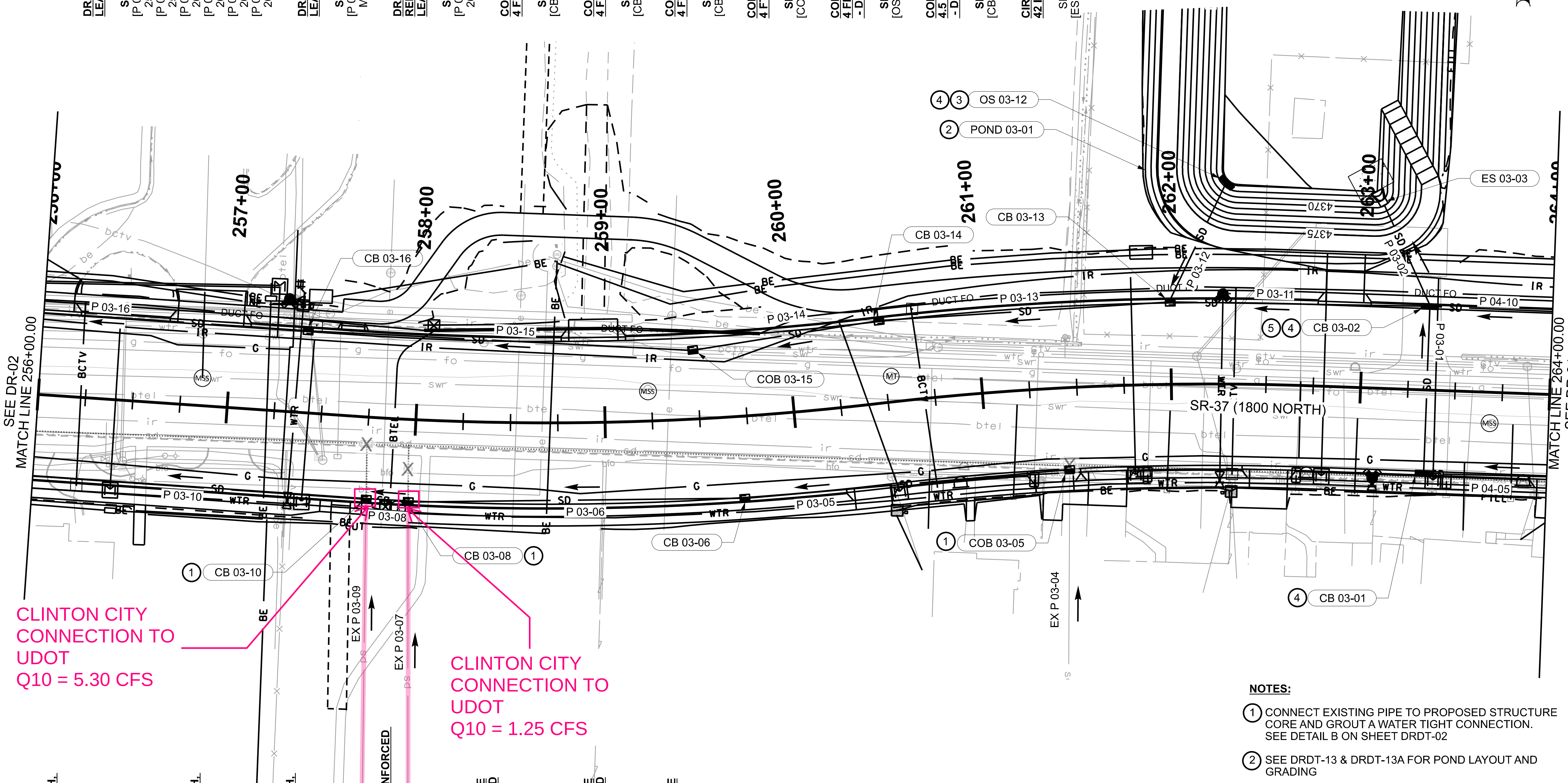
CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 11 FT DEEP - CB 5 REQ'D
SR-37 (1800 NORTH)
[CB 03-14] 260+50.00 LT 44.92

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 12 FT DEEP - CB 5 REQ'D
SR-37 (1800 NORTH)
[COB 03-15] 259+48.35 LT 35.00

CONCRETE DRAINAGE STRUCTURE 4 FEET WIDE X 7 FEET DEEP - DOUBLE CB 5 REQ'D
SR-37 (1800 NORTH)
[OS 03-12] 262+28.22 LT 106.02

CONCRETE DRAINAGE STRUCTURE 4.5 FEET WIDE X 10 FEET DEEP - DOUBLE CB 5 REQ'D
SR-37 (1800 NORTH)
[CB 03-02] 263+35.00 LT 44.92

CIRCULAR END SECTION, CONCRETE, 42 INCH REQ'D
SR-37 (1800 NORTH)
[ES 03-03] 263+09.10 LT 96.87



DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D
SR-37 (1800 NORTH)
[P 03-08] 257+78.30 RT 43.32 TO 257+96.05 RT 43.48
[P 03-06] 257+99.94 RT 43.49 TO 259+69.06 RT 43.27
[P 03-05] 259+72.95 RT 43.40 TO 261+41.97 RT 43.43

DRAINAGE PIPE - 24 INCH, SMOOTH, LEAK-RESISTANT REQ'D
SR-37 (1800 NORTH)
[P 03-10] MATCHLINE RT 43.19 TO 257+74.41 RT 43.34

DRAINAGE PIPE - 42 INCH, SMOOTH, LEAK-RESISTANT REQ'D
SR-37 (1800 NORTH)
[P 04-05] 263+38.89 RT 44.15 TO MATCHLINE RT 43.50

DRAINAGE PIPE - 38 x 60 INCH, REINFORCED CONCRETE, SILT TIGHT REQ'D
SR-37 (1800 NORTH)
[P 03-01] 263+34.99 RT 43.25 TO 263+35.01 LT 43.25

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 4 FT DEEP - CB 5 REQ'D
SR-37 (1800 NORTH)
[CB 03-08] 257+98.00 RT 44.92
[CB 03-06] 259+71.00 RT 44.92
[COB 03-05] 261+44.03 RT 44.92

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 5 FT DEEP - CB 5 REQ'D
SR-37 (1800 NORTH)
[CB 03-10] 257+76.35 RT 44.92

CONCRETE DRAINAGE STRUCTURE 5.5 FEET WIDE X 8 FEET DEEP - DOUBLE CB 5 REQ'D
SR-37 (1800 NORTH)
[CB 03-01] 263+34.99 RT 44.92

REMOVE CATCH BASIN, REQ'D
SR-37 (1800 NORTH)
257+74.85 RT 14.19
261+43.88 RT 41.04

REMOVE PIPE, REQ'D
SR-37 (1800 NORTH)
MATCHLINE RT 19.53 TO 257+74.85 RT 14.19
257+74.85 RT 14.19 TO 257+76.35 RT 45.00
257+74.85 RT 14.19 TO 257+96.80 RT 12.96
257+96.80 RT 12.96 TO 257+97.06 RT 26.09
257+97.06 RT 26.09 TO 257+97.97 RT 45.000
257+96.80 RT 12.96 TO 261+43.88 RT 41.04
261+43.88 RT 41.04 TO 261+44.03 RT 44.93
261+43.88 RT 41.04 TO MATCHLINE RT 46.21

REMOVE MANHOLE, REQ'D
SR-37 (1800 NORTH)
257+97.06 RT 26.09

PIPE SUPPORT (UDOT) REQ'D
SR-37 (1800 NORTH)
257+35.13 RT 43.29

NOTES:

1. CONNECT EXISTING PIPE TO PROPOSED STRUCTURE CORE AND GROUT A WATER TIGHT CONNECTION. SEE DETAIL B ON SHEET DRDT-02
2. SEE DRDT-13 & DRDT-13A FOR POND LAYOUT AND GRADING
3. SEE DRDT-12A FOR POND OUTLET STRUCTURE DETAIL
4. CB 8 CELL SHOWN ON PLANS FOR ALL CB 5 DOUBLE CATCH BASINS. CONTRACTOR TO VERIFY PIPE LENGTHS ASSOCIATED WITH DOUBLE CATCH BASIN STRUCTURES BEFORE INSTALLATION. SEE DOUBLE CATCH BASIN DETAIL ON DRDT-04 & DRDT-04A.
5. INSTALL 6" ORIFICE PLATE OVER P 03-11 INVERT. SEE DRDT-12C.
6. ALL EXISTING DRAINAGE FEATURES NOT SHOWN AS BEING REMOVED, RECONSTRUCTED, OR ABANDONED ARE TO BE PROTECTED-IN-PLACE.

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
DAVID EVANS AND ASSOCIATES, INC.
DRAWN BY: RDC
QC CHECKED BY: BAL
09/23/24 DATE
PROFESSIONAL ENGINEER
APPROVED

PROJECT: I-15; 1800 NORTH INTERCHANGE & CORRIDOR WIDENING
PIN: 15682
PROJECT NUMBER: S-I15-8(157)336
DRAINAGE
SHEET NO. DR-03

REGION 1 23-SEP-2024 14:19 Dxcl DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE AND CORRIDOR WIDENING/Hydraulics/15682_DR-03

EXHIBIT F

DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D
SR-37 (1800 N)
[P 02-12] 252+55.99 LT 43.76 TO 254+90.00 LT 43.47
[P 03-14] 254+94.00 LT 43.40 TO MATCHLINE LT 43.43

DRAINAGE PIPE - 30 INCH, SMOOTH, LEAK-RESISTANT REQ'D
SR-37 (1800 N)
[P 02-16] 249+84.00 LT 43.26 TO 250+24.21 LT 47.52

DRAINAGE PIPE - 36 INCH, SMOOTH, LEAK-RESISTANT REQ'D
SR-37 (1800 N)
[P 02-13] 250+28.21 LT 47.60 TO 252+52.01 LT 43.56

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 7 FT DEEP - CB 5 REQ'D
SR-37 (1800 N)
[CB 02-12] 254+92.00 LT 45.01

CONCRETE DRAINAGE STRUCTURE 4.5 FT WIDE X 8 FT DEEP - CB 5 REQ'D
SR-37 (1800 N)
[CB 02-16] 249+82.00 LT 45.01

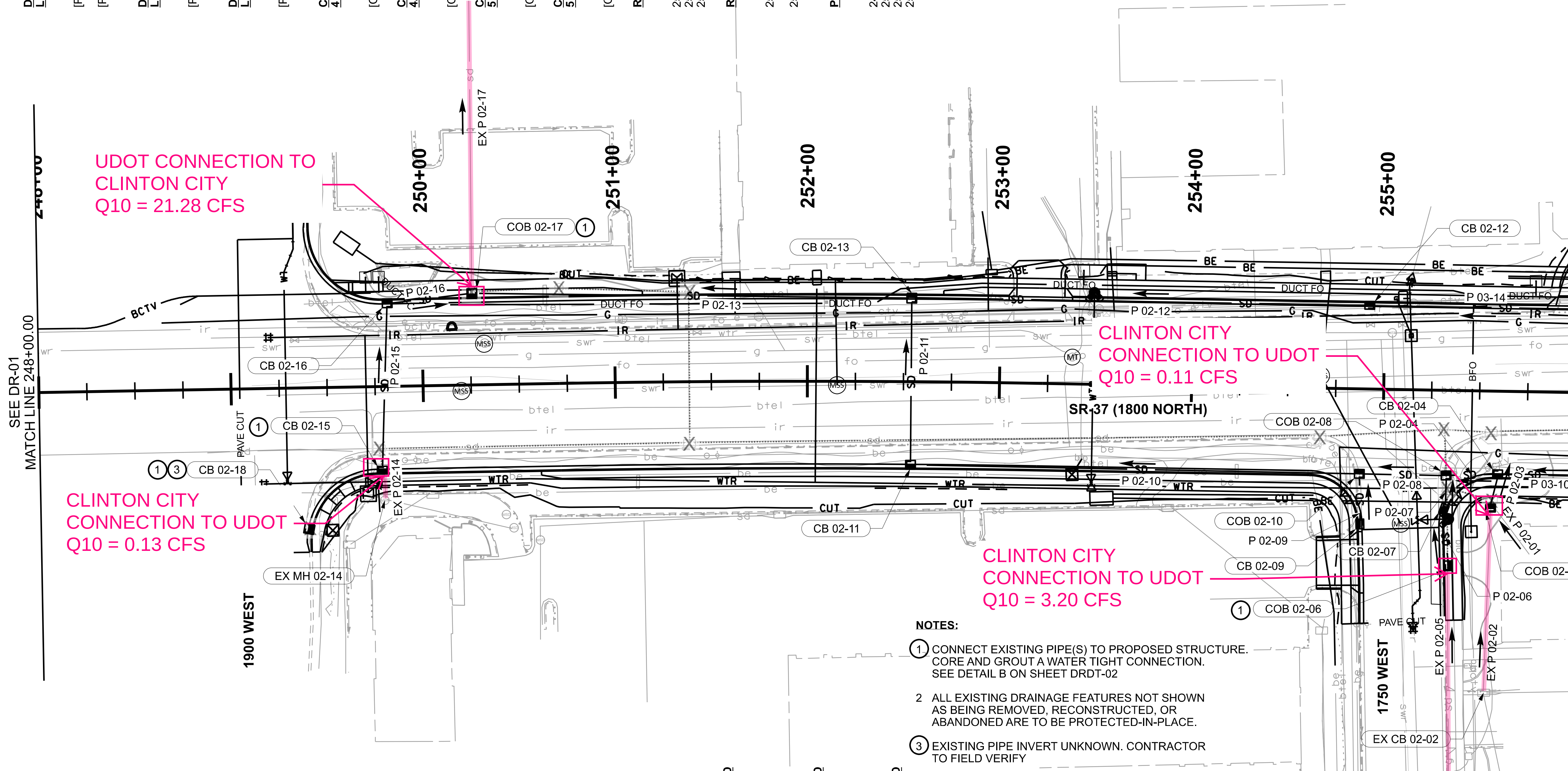
CONCRETE DRAINAGE STRUCTURE 5 FT WIDE X 8 FT DEEP - CB 5 REQ'D
SR-37 (1800 N)
[CB 02-13] 252+54.00 LT 45.51

CONCRETE DRAINAGE STRUCTURE 5 FT WIDE X 9 FT DEEP - CB 5 REQ'D
SR-37 (1800 N)
[COB 02-17] 250+26.21 LT 45.51

REMOVE MANHOLE, REQ'D
SR-37 (1800 NORTH)
250+26.13 LT 48.39
250+71.57 LT 49.72
251+39.09 LT 46.68

REMOVE PIPE, REQ'D
SR-37 (1800 NORTH)
250+26.13 LT 48.39 TO 250+71.57 LT 49.72
250+71.57 LT 49.72 TO 251+39.09 LT 46.68

PIPE SUPPORT (UDOT) REQ'D
SR-37 (1800 NORTH)
249+80.96 LT 21.71
253+48.63 LT 43.46
254+32.49 LT 43.46
255+13.09 LT 43.40



NOTES:

1. CONNECT EXISTING PIPE(S) TO PROPOSED STRUCTURE. CORE AND GROUT A WATER TIGHT CONNECTION. SEE DETAIL B ON SHEET DRDT-02
2. ALL EXISTING DRAINAGE FEATURES NOT SHOWN AS BEING REMOVED, RECONSTRUCTED, OR ABANDONED ARE TO BE PROTECTED-IN-PLACE.
3. EXISTING PIPE INVERT UNKNOWN. CONTRACTOR TO FIELD VERIFY

DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D
SR-37 (1800 NORTH)
[P 02-15] 249+78.13 RT 42.00 TO 249+81.84 LT 41.51
[P 02-09] 254+88.05 RT 46.00 TO 254+88.81 RT 68.28
[P 02-06] 255+31.81 RT 63.71 TO 255+35.06 RT 89.26
[P 02-07] 255+33.12 RT 59.93 TO 255+33.32 RT 46.04
[P 02-03] 255+56.59 RT 59.33 TO 255+60.00 RT 45.00

DRAINAGE PIPE - 24 INCH, SMOOTH, LEAK-RESISTANT REQ'D
SR-37 (1800 N)
[P 03-10] 255+62.00 RT 43.25 TO MATCHLINE RT 43.28

DRAINAGE PIPE - 30 INCH, SMOOTH, LEAK-RESISTANT REQ'D
SR-37 (1800 N)
[P 02-11] 252+54.00 RT 41.50 TO 252+54.00 LT 41.51
[P 02-10] 252+56.01 RT 43.24 TO 254+86.04 RT 44.25
[P 02-08] 254+90.04 RT 44.25 TO 255+31.17 RT 44.36
[P 02-04] 255+35.16 RT 44.23 TO 255+58.00 RT 43.25

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 4 FT DEEP - CB 5 REQ'D
SR-37 (1800 N)
[CB 02-09] 254+87.31 RT 70.34
[CB 02-07] 255+33.33 RT 62.12
[COB 02-03] 255+56.59 RT 59.33

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 5 FT DEEP - CB 5 REQ'D
SR-37 (1800 N)
[COB 02-06] 255+36.64 RT 91.21

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 7 FT DEEP - CB 5 REQ'D
SR-37 (1800 N)
[CB 02-15] 249+78.00 RT 45.00

CONCRETE DRAINAGE STRUCTURE 4.5 FT WIDE X 5 FT DEEP - CB 5 REQ'D
SR-37 (1800 N)
[COB 02-08] 255+33.11 RT 42.55
[CB 02-04] 255+60.00 RT 45.00

CONCRETE DRAINAGE STRUCTURE 4.5 FT WIDE X 7 FT DEEP - CB 5 REQ'D
SR-37 (1800 N)
[CB 02-11] 252+54.00 RT 45.00

CONCRETE DRAINAGE STRUCTURE 4.5 FT WIDE X 8 FT DEEP - CB 5 REQ'D
SR-37 (1800 N)
[COB 02-10] 254+88.04 RT 42.50

CONCRETE DRAINAGE STRUCTURE 5 FT WIDE X 3 FT DEEP - CB 5 REQ'D
SR-37 (1800 N)
[CB 02-18] 249+40.87 RT 73.64

REMOVE CATCH BASIN, REQ'D
SR-37 (1800 NORTH)
249+39.99 RT 73.07
249+76.52 RT 32.20
251+38.40 RT 32.11
254+67.20 RT 25.42
255+56.28 RT 21.78
255+56.95 RT 56.84

REMOVE PIPE, REQ'D
SR-37 (1800 NORTH)
249+76.52 RT 32.20 TO 249+78.81 RT 45.00
249+76.52 RT 32.20 TO 251+38.40 RT 32.11
251+38.40 RT 32.11 TO 251+39.09 LT 46.68
251+38.40 RT 32.11 TO 254+67.20 RT 25.42
254+67.20 RT 25.42 TO 255+31.72 RT 20.09
255+31.72 RT 20.09 TO 255+33.71 RT 50.90
255+31.72 RT 20.09 TO 255+56.28 RT 21.78
255+33.71 RT 50.90 TO 255+34.73 RT 93.28
255+33.71 RT 50.90 TO 255+56.95 RT 56.84
255+56.28 RT 21.78 TO MATCHLINE RT 19.53

REMOVE MANHOLE, REQ'D
SR-37 (1800 NORTH)
255+31.72 RT 20.09
255+33.71 RT 50.90

PIPE SUPPORT (UDOT) REQ'D
SR-37 (1800 NORTH)
253+48.63 RT 43.83
255+17.54 RT 44.33
255+33.25 RT 50.42
255+58.78 RT 50.13

UTAH DEPARTMENT OF TRANSPORTATION
DAVID EVANS AND ASSOCIATES, INC.
DRAWN BY RDC
QC CHECKED BY BAL
05/29/24 DATE
PROFESSIONAL ENGINEER
APPROVED
PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
DRAINAGE
SHEET NO. DR-02

EXHIBIT F

CONCRETE DRAI
4 FT WIDE X 5 FT
SR-37(1800 NOF
[CB 15-20] 353+24

CONCRETE DRAI
4 FT WIDE X 3 FT
SR-37(1800 NOR
[CB 15-18] 354+95.

CONCRETE DRAI
4 FT WIDE X 7 FT
SR-37(1800 NOF
[CB 15-13] 359+14

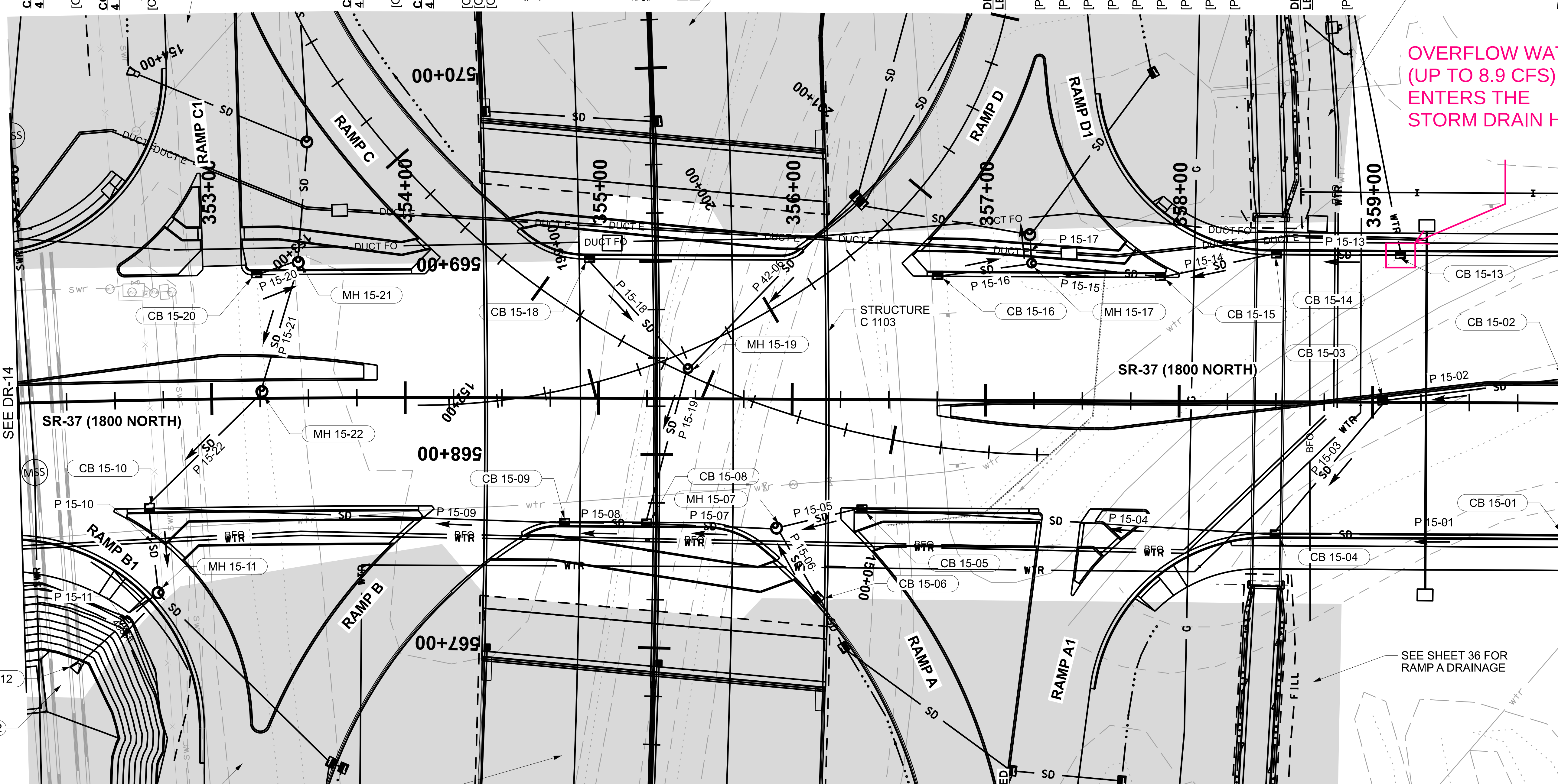
CONCRETE DRAINAGE STRUCTURE
4 FT WIDE X 4 FT DEEP - CB 5 REQ'D
SR-37(1800 NORTH)
[CB 15-14] 358+50.00 LT 77.92
[CB 15-15] 357+90.00 LT 66.00
[CB 15-16] 356+75.00 LT 66.00

4 FOOT STANDARD MANHOLD
7 FT TO 8 FT DEEP - CB 11
SR-37(1800 NORTH)
[MH 15-17] 357+24.41 LT 71.03
[MH 15-19] 355+45.84 LT 16.58

5 FOOT STANDARD MANHOLD
9 FT TO 11 FT DEEP - CB 11
SR-37(1800 NORTH)
[MH 15-21] 353+45.23 LT 71.66
[MH 15-22] 353+25.88 LT 5.09

DRAINAGE PIPE - 18 INCH, SMOOTH,
LEAK-RESISTANT REQ'D
SR-37(1800 NORTH)
[P 15-13] 358+52.01 LT 76.24 TO
359+12.03 LT 76.30
[P 15-18] 354+94.79 LT 70.92 TO
355+44.52 LT 16.83
[P 15-16] 356+77.01 LT 64.26 TO
357+21.49 LT 70.46
[P 15-14] 358+48.01 LT 76.34 TO
357+92.02 LT 64.42
[P 15-15] 357+88.02 LT 64.49 TO
357+25.41 LT 70.92
[P 15-17] 357+23.22 LT 73.02 TO
357+22.65 LT 83.30
[P 15-20] 353+25.98 LT 64.60 TO
353+42.86 LT 70.35
[P 15-21] 353+45.04 LT 67.68 TO
353+26.19 LT 6.09
[P 15-22] 353+24.55 LT 1.55 TO
352+66.72 RT 53.50

DRAINAGE PIPE - 24 INCH, SMOOTH,
LEAK-RESISTANT REQ'D
SR-37(1800 NORTH)
[P 15-19] 355+45.24 LT 13.82 TO
355+24.98 RT 63.00



NOTES:

1. ALL EXISTING DRAINAGE FEATURES NOT SHOWN AS BEING REMOVED, RECONSTRUCTED, OR ABANDONED ARE TO BE PROTECTED-IN-PLACE.
2. INTALL RIPRAP PAD. SEE DRDT-10 AND DRTDT-11 FOR RIPRAP LAYOUT VIEW AND RIPRAP DATA TABLE.

LEGEND:

SEE PLAN CALL OUT FOR SHEET NUMBER WHERE STRUCTURES ARE LOCATED

LOOSE RIPRAP D50=6" REQ'D
SR-37(1800 NORTH)
352+29.56 RT 134.38

CIRCULAR END SECTION,
CONCRETE, 30 INCH REQ'D
SR-37(1800 NORTH)
[ES 15-12] 352+29.56 RT 134.38

5 FOOT STANDARD MANHOLE
7 FT TO 9 FT DEEP - CB 11
SR-37(1800 NORTH)
[MH 15-07] 355+91.60 RT 65.29
[MH 15-11] 352+71.91 RT 99.57

CONCRETE DRAINAGE STRUCTURE
4 FT WIDE X 5 FT DEEP - CB 5 REQ'D
SR-37(1800 NORTH)
[CB 15-01] 360+00.00 RT 69.92
[CB 15-02] 360+00.00 LT 11.00
[CB 15-05] 356+36.39 RT 58.00

CONCRETE DRAINAGE STRUCTURE
5 FT WIDE X 8 FT DEEP - CB 5 REQ'D
SR-37(1800 NORTH)
[CB 15-10] 352+66.76 RT 58.00

CONCRETE DRAINAGE STRUCTURE
4 FT WIDE X 7 FT DEEP - CB 5 REQ'D
SR-37(1800 NORTH)
[CB 15-04] 358+50.00 RT 69.92
[CB 15-08] 355+25.00 RT 65.92

CONCRETE DRAINAGE STRUCTURE
4 FT WIDE X 8 FT DEEP - CB 5 REQ'D
SR-37(1800 NORTH)
[CB 15-03] 359+04.96 LT 2.35

CONCRETE DRAINAGE STRUCTURE
4 FT WIDE X 7 FT DEEP - CB 5 REQ'D
SR-37(1800 NORTH)
[CB 15-06] 356+12.85 RT 103.29

CONCRETE DRAINAGE STRUCTURE
4 FT WIDE X 6 FT DEEP - CB 5 REQ'D
SR-37(1800 NORTH)
[CB 15-09] 354+82.71 RT 65.92

DRAINAGE PIPE - 30 INCH, REINFORCED
CONCRETE, LEAK-RESISTANT REQ'D
SR-37(1800 NORTH)
[P 15-11] 352+68.33 RT 101.12 TO
352+29.56 RT 134.38

DRAINAGE PIPE - 30 INCH, SMOOTH,
LEAK-RESISTANT REQ'D
SR-37(1800 NORTH)
[P 15-10] 352+66.66 RT 58.00 TO
352+70.30 RT 97.16

DRAINAGE PIPE - 24 INCH, SMOOTH,
LEAK-RESISTANT REQ'D
SR-37(1800 NORTH)
[P 15-06] 356+12.66 RT 100.78 TO
355+93.82 RT 68.59
[P 15-07] 355+89.77 RT 66.97 TO
355+26.99 RT 64.69
[P 15-08] 355+22.99 RT 64.53 TO
354+84.68 RT 64.36
[P 15-09] 354+80.68 RT 64.50 TO
352+68.75 RT 56.02

DRAINAGE PIPE - 18 INCH, SMOOTH,
LEAK-RESISTANT REQ'D
SR-37(1800 NORTH)
[P 15-01] 359+97.99 RT 68.60 TO
358+52.02 RT 68.46
[P 15-02] 359+98.00 LT 12.53 TO
359+07.13 LT 1.08
[P 15-03] 359+05.50 RT 0.60 TO
358+50.07 RT 66.92
[P 15-04] 358+48.01 RT 68.63 TO
356+38.38 RT 56.76
[P 15-05] 356+34.38 RT 56.43 TO
355+94.67 RT 66.03

REMOVE PIPE, REQ'D
SR-37(1800 NORTH)
356+49.03 RT 64.82 TO
356+98.47 RT 59.11
356+98.47 RT 59.11 TO
357+55.31 RT 07.90
357+55.31 RT 07.90 TO
357+61.33 LT 68.06

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

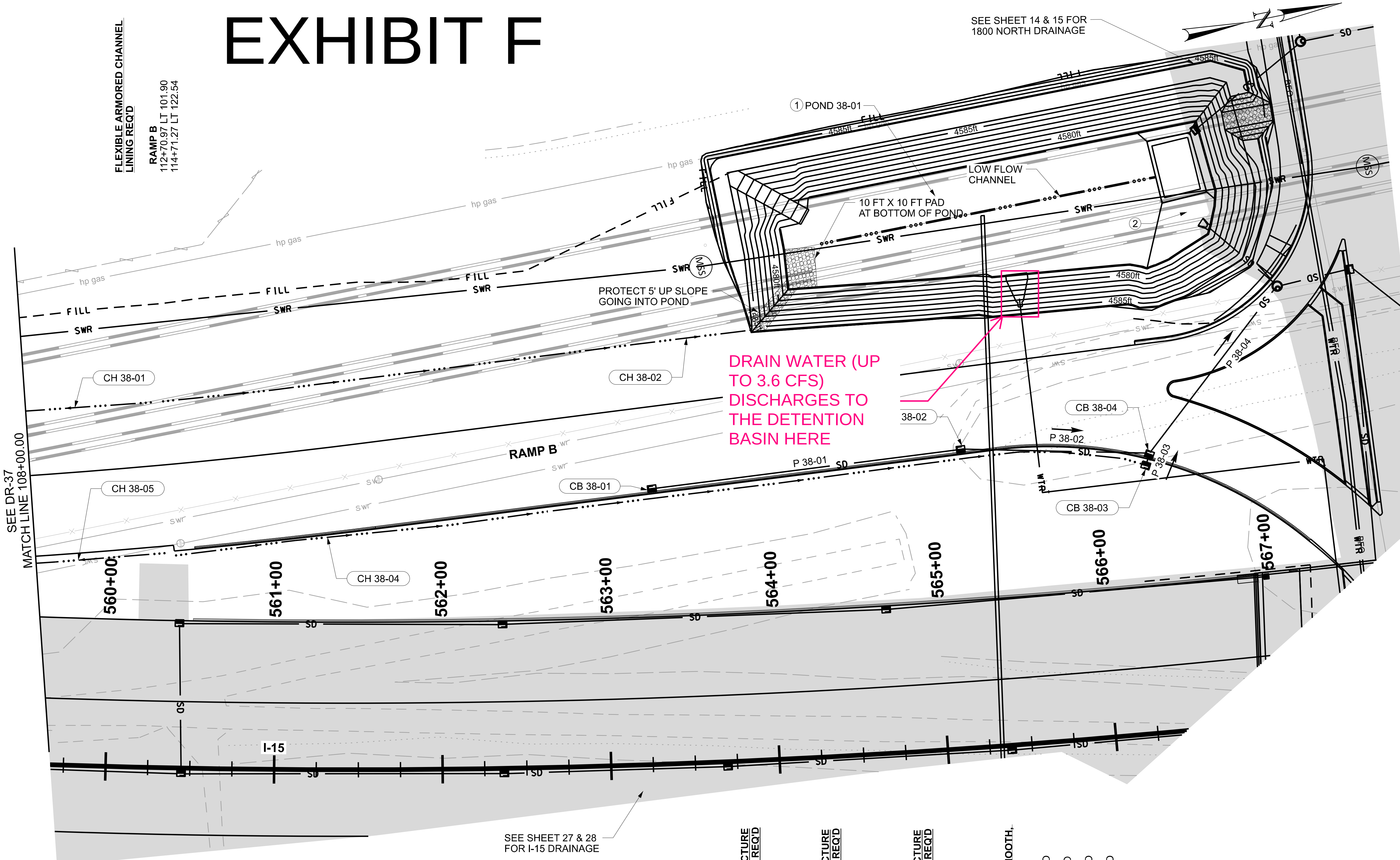
UTAH DEPARTMENT OF TRANSPORTATION
DAVID EVANS AND ASSOCIATES, INC.

DRAWN BY	DJP
QC CHECKED BY	BAL
DATE	07/17/24
APPROVED	
PROFESSIONAL ENGINEER	

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
DRAINAGE
SHEET NO. DR-15

REGION 1 17-JUL-2024 16:08 Dxcl DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Hydraulics/15682 DR-15

EXHIBIT F



CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 5 FT DEEP - CB 5 REQ'D
RAMP B
[CB 38-02] 113+51.32 RT 18.00
[CB 38-03] 114+69.87 RT 21.90

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 4 FT DEEP - CB 5 REQ'D
RAMP B
[CB 38-01] 111+66.65 RT 17.97

CONCRETE DRAINAGE STRUCTURE 4 FT WIDE X 6 FT DEEP - CB 5 REQ'D
RAMP B
[CB 38-04] 114+70.13 RT 18.00

DRAINAGE PIPE - 18 INCH, SMOOTH, LEAK-RESISTANT REQ'D
RAMP B
[P 38-03] 114+69.87 RT 21.90 TO 114+70.13 RT 18.00
[P 38-01] 111+68.66 RT 16.46 TO 113+49.31 RT 16.47
[P 38-02] 113+53.31 RT 16.58 TO 114+68.17 RT 16.19
[P 38-04] 114+70.53 RT 15.02 TO 115+04.98 LT 99.84

NOTES:

1. SEE DRDT-19 AND DRDT-19A
2. INSTALL EROSION PROTECTION PAD. SEE DRDT-10 AND DRDT-11 FOR LAYOUT VIEW AND DATA TABLE.
3. ALL EXISTING DRAINAGE FEATURES NOT SHOWN AS BEING REMOVED, RECONSTRUCTED, OR ABANDONED ARE TO BE PROTECTED-IN-PLACE.

LEGEND:

SEE PLAN CALL OUT FOR SHEET NUMBER WHERE STRUCTURES ARE LOCATED

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
DAVID EVANS AND ASSOCIATES, INC.

DRAWN BY DJP
QC CHECKED BY BAL
APPROVED
PROFESSIONAL ENGINEER
07/17/24 DATE

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
DRAINAGE
SHEET NO. DR-38

REGION 1 17-JUL-2024 16:26 Dxcl DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Hydraulics/15682_DR-38

CLINTON CITY
COUNCIL AGENDA ITEM

SUBJECT: UDOT Landscape and Aesthetic Betterment Agreement	**AGENDA ITEM: F**
PETITIONER: Dave Williams, Bryce Wilcox	**MEETING DATE:** October 8, 2024
RECOMMENDATION: Council approve and sign the UDOT Landscape and Aesthetic Betterment Agreement	**ROLL CALL VOTE:**

FISCAL IMPACT: $26,919 plus providing 53 street lights

BACKGROUND:

UDOT has completed the design the I15/1800 North Interchange and the widening of 1800 North from Main Street to 2000 West. UDOT's plan is to advertise the project for construction in November. Construction will take 3 years to complete.

As part of the project, UDOT has included the landscaping and aesthetics improvements that had been requested by Clinton City. These improvements match the 2000 West project. UDOT's baseline treatment is for stamped concrete in the park strip, galvanized light and signal poles, and cobra head lighting.

The project includes betterments of replacing stamped concrete with planter boxes and irrigations systems at a similar spacing to 2000 West in the commercial areas, black powder coating on the signal poles and UDOT cobra heads, and a Clinton City Decorative light in between each UDOT cobra head.

The are estimated costs are as follows. The city will pay on actual bid pricing.

Total Landscaping and aesthetics Estimated Cost:	$326,919
UDOT Landscaping and aesthetics Allowance:	$300,000
Clinton City Landscaping and aesthetics Portion:	$26,919

This amount would need to be put on deposit with UDOT in July 2025 allowing the city to include the funding in next fiscal year's budget.

Unfortunately, this is not all of the costs for the landscaping and aesthetics. UDOT is only paying to relocate the existing street lights. There are 15 existing lights. Clinton would be responsible to provide 39 new streets lights as part of the project. UDOT will be placing the Clinton decorative street lights on the railroad overpass as the retaining walls won't support the cobra head lights. UDOT will pay for these lights. UDOT has asked Clinton City to purchase the 14 lights for the bridge so they match. Reimbursement for the lights is included as credits the above cost breakdown.

Clinton City will be responsible to provide 53 street lights to the project. Current cost of a street lights is $4,075. This is $215,975 in lights. The lights will be installed as each side of the road is completed. So we will need half in about 18 month and the other half in 36 months. The cost for the street lights will need to be included in future budgets.

We asked UDOT about being able to make changes to the landscaping as the project is ready to go out to bid. We will be able to modify the project during the bid or prior to construction. We cannot shift the location of the planned planter boxes or decorative lights, but we can delete some. They are currently spaced at 40 feet apart. The irrigation system runs the length of the planter boxes so removing half of the boxes does not equal to removing half of the price.

2000 West will be completed next summer and 1800 North will just be getting underway. One option is to approve the agreement as is and see if the Council and residents like how the 2000 West landscaping turned out and make modifications to planters and lighting in the spring.

We recommend signing the UDOT Landscape and Aesthetic Betterment Agreement.

ATTACHMENTS: UDOT Landscape and Aesthetic Betterment Agreement

Clinton City (Local Agency) **Cost Estimate** **Betterment Agreement**	Betterment Description: 1. Landscape features, including planters and galvanized fencing 2. Irrigation 3. Lighting to include decorative lighting and powder coating 4. Powder coating of signal equipment. 5. PE and CE	Estimated Cost for Betterment $26,919.15
PIN: 15682 FINET/CID: 72701	Project Number: S-I15-8(157)336 Project Name: I-15; 1800 North Interchange	Agreement Number Date Executed

THIS AGREEMENT, made and entered into the date shown below, by and between the **Utah Department of Transportation**, ("**UDOT**"), and **Clinton City** a political subdivision of the State of Utah, ("**Local Agency**").

Subject to the attached provisions, UDOT will include the following Betterment Work items into the above referenced Project and will oversee the construction of the Betterment Work. Upon signing this Agreement, the Local Agency agrees that the costs shown below are estimates only and the Local Agency is responsible for paying all actual costs associated with these Betterment items, based on Contract Unit Bid Prices, and actual quantities placed.

The Local Agency desires to add additional improvements in the amount of $26,919.15 Decorative landscaping, as referenced in Utah Administrative Code R-918-6, are treatments that exceed the UDOT standard. Landscape details and plans are marked Exhibit "A," Landscape Irrigation details and plans are marked Exhibit "B," and the Lighting details and plans are marked Exhibit "C," all are incorporated by reference.

The Local Agency, through its own maintenance forces or code enforcement, will be responsible to maintain landscape improvements within UDOT's state highway Right-of-Ways as per the Master Landscape Maintenance agreement that UDOT and the Local Agency entered into on June 20, 2024, UDOT number 249440.

Cost Estimate

A detailed description of the Landscape and Aesthetics Cost Estimate is marked "Exhibit D," and incorporated by reference. Credits are applied to the betterment cost for the balance adjustment footage of raised planters in lieu of stamped colored concrete. UDOT will not provide credits for reductions in project quantities on future projects.

BETTERMENT ESTIMATE	
Description	**Estimated Cost**
Landscape and Aesthetic Betterments	$269,168.00
Preconstruction Engineering Costs (actual cost invoices are included)	$36,217.71
Construction Engineering Costs (lump sum)	$21,533.44
UDOT's Landscape and Aesthetic Allowance	($300,000.00)
Total Estimated Cost to Local Agency	**$26,919.15**

The total estimated cost of the Betterment Work shall be deposited with UDOT within thirty days of receiving the actual cost invoice from UDOT July 2025. The Local Agency shall deposit the amount with UDOT's Comptroller's Office located at UDOT/Comptroller, 4501 South 2700 West, Box 141510, Salt Lake City 84119-1510.

In the event the actual Betterment costs are higher, the Local Agency shall pay the additional amount required within 30 days of receiving an invoice from UDOT. In the event the actual Betterment costs are lower, UDOT will refund the balance of the amount deposited within 30 days of determining the final cost of the Betterment Work.

Provisions
(Note: the language in these provisions shall not be changed without prior approval from the Utah AG's office)
The Local Agency desires to include the Betterment Work items described herein in the project contract work.

UDOT will include the Local Agency's requested betterment work in the project contract provided that the Local Agency pay the actual additional costs and UDOT's project will not be delayed because of the betterments. No betterments will be added to the bid package until this Agreement has been signed by both parties.

The Local Agency, at no cost to the Project, shall provide on-call support from Local Agency's Design Engineer or appropriate representative to correct or clarify issues during construction and to perform the necessary inspection for the Local Agency work installed by the contractor. The Local Agency engineer and / or inspector shall work with and through UDOT's Project Manager or Resident Engineer and shall give no orders directly to UDOT's contractor unless authorized in writing to do so. UDOT's contractor will accomplish the work covered herein on the Local Agency's facilities in accordance with the plans and specifications provided by the Local Agency, including changes or additions to the plans and specifications which are approved by the parties.

The Local Agency, through its inspection of the work, will provide UDOT's Project Manager or Resident Engineer with information covering any problems or concerns the Local Agency may have with acceptance of the facilities upon completion of construction.

Any periodic plan and specification review or construction inspection performed by UDOT arising out of the performance of the project does not relieve the Local Agency of its duty in the performance of this project or to ensure compliance with acceptable standards.

Except in cases of emergency, access for maintenance and servicing of the Local Agency facilities located on UDOT's Right-of-Way will be by permit issued by UDOT to the Local Agency, and that the Local Agency will obtain the permit and abide by the conditions thereof for policing and other controls in the conformance with Utah Administrative Rules.

I. Indemnification:
UDOT and the Local Agency are both governmental entities subject to the Governmental Immunity Act. Each party agrees to indemnify, defend, and save harmless the other from and against all claims, suits and costs, including attorneys' fees for injury or damage of any kind, arising out of its negligent acts, errors or omissions of its officers, agents, contractors or employees in the performance of this agreement. Nothing in this paragraph is intended to create additional rights to third parties or to waive any of the provisions of the Governmental Immunity Act. The obligation to indemnify is limited to the dollar amounts set forth in the Governmental Immunity Act, provided the Act applies to the action or omission giving rise to the protections in this paragraph. The indemnification in this paragraph shall survive the expiration or termination of this Agreement.

II. Termination:
This Agreement may be terminated as follows:

a. By mutual agreement of the parties, in writing.
b. By either UDOT or the Local Agency for failure of the other party to fulfill their obligations as set forth in the provisions of this Agreement. Reasonable allowances will be made for circumstances beyond the control of the parties. Written notice of intent

to terminate is required and shall specify the reasons for termination.

c. By UDOT for the convenience of the State upon written notice to the Local Agency.
d. Upon satisfactory completion of the provisions of this Agreement.

III. Maintenance:

The Local Agency agrees that, upon completion and final inspection of the project construction, to accept, own and maintain the betterment work covered herein at no further cost to UDOT.

IV. Payment and Reimbursement to UDOT:

The Local Agency shall be responsible for all actual costs associated with these betterment items.

The Local Agency agrees that if it modifies or cancels this Agreement at any time after it has been signed, the Local Agency agrees to pay any cancellation penalties or costs incurred by UDOT as a result of the betterment work scope being modified or cancelled. In the event the Local Agency fails to reimburse UDOT for the costs included in this Agreement, funding for other Local Agency projects or B&C road funds may be withheld until the entire payment is made.

V. Change in Scope and Schedule:

The Local Agency recognizes that if its project scope or schedule changes from the terms of this Agreement, Local Agency will notify the UDOT Project Manager or Resident Engineer will be notified prior to changes being made. Any costs incurred by UDOT as a result of these scope or schedule changes will be the responsibility of the Local Agency.

In the event there are changes in the scope of the work, extra work, or changes in the planned work covered by this Agreement, a signed written modification to this Agreement is required prior to the start of work on the changes or additions.

VI. Prohibition on Certain Telecommunications and Video Surveillance Services or Equipment:

All work of the Local Agency that relates to any agreement with UDOT is subject to Public Law 115-232, Sec. 889 and 2 CFR § 200.216 (the "Telecommunications Laws"). Among other things, the Telecommunications Laws prohibit the use of any sort of "covered telecommunications" equipment or services, which are those provided by a Local Agency listed in such laws. The Local Agency shall at all times comply with the Telecommunications Laws. The Local Agency hereby certifies that it has read the Telecommunications Laws and consulted with legal counsel as needed. For all matters which are the subject of any agreement between the Local Agency and UDOT, the Local Agency hereby certifies that it currently conforms with, and will continue to conform with, the Telecommunications Laws in all respects. The Local Agency shall also place this certification in all UDOT-related contracts with subcontractors, consultants, and suppliers for UDOT's benefit. If any government entity having jurisdiction determines that the Local Agency or its associates is not in compliance with the Telecommunications Laws, the Local Agency agrees that it shall promptly notify UDOT of the same and remedy any deficiency.

VII. Miscellaneous:

This Agreement shall constitute the entire agreement and understanding of the parties with respect to the betterments, and shall supersede all offers, negotiations, and other agreements. Any amendment to this agreement must be in writing and executed by authorized representatives of each party.

Each party agrees to undertake and perform all further acts that are reasonably necessary to carry out the intent and purpose of this agreement at the request of the other party.
The failure of either party to insist upon strict compliance of any of the terms and conditions, or failure or delay by either party to exercise any rights or remedies provided in this Agreement, or by law, will not release either party from any obligations arising under this Agreement.

This Agreement may be executed in counter parts by the parties.

Each party represents that it has the authority to enter into this Agreement.

Language content was reviewed and approved by the Utah AG's office on April 10, 2018.

Clinton City			Utah Department of Transportation		
By		Date	By		Date
Title/Signature of Official			Project Manager		
By		Date	By		Date
Title/Signature of additional official, if required			Region Director		
By		Date	By		Date
Title/Signature of additional official, if required			Comptroller’s Office		

EXHIBIT A

TREES

ACER GINNALA 'FLAME'
FLAME AMUR MAPLE
1.5" CAL

CELTIS OCCIDENTALIS 'PRAIRIE SENTINEL'
PRAIRIE SENTINEL HACKBERRY
1.5" CAL

ZELKOVA SERRATA 'MUSASHINO'
MUSASHINO JAPANESE ZELKOVA
1.5" CAL

SHRUBS

CHRYSOTHAMNUS VISCIDIFLORUS
GREEN OR YELLOW RABBITBRUSH
1 GAL

CARYOPTERIS X CLANDONENSIS 'BLUE MIST'
BLUE MIST BLUEBEARD
5 GAL

RHUS TRILOBATA 'AUTUMN AMBER'
AUTUMN AMBER SUMAC
5 GAL

CARAGANA FRUTEX 'GLOBOSA'
GLOBE RUSSIAN PEASHRUB
5 GAL

JUNIPERUS COMMUNIS 'SMNJCB'
TORTUGA COMMON JUNIPER
5 GAL

BOULDERS

LANDSCAPE BOULDERS. COLOR TO COMPLIMENT STONE MULCH (SUBMIT SAMPLES TO LANDSCAPE ARCHITECT FOR APPROVAL).

SIZES TO VARY AS FOLLOWS:
- 3' BOULDER (40%)
- 4' BOULDER (50%)
- 5' BOULDER (10%)

GROUND COVERS

ROCK MULCH REQ'D
1" WASATCH GRAY
4" DEPTH, INSTALLED OVER HEAVY DUTY WEED FABRIC (TYPAR 3301B, OR APPROVED EQUAL)

BROADCAST SEED REQ'D
UDOT STANDARD MIX - SEE SCHEDULE BELOW
SEE PLAN SHEETS FOR TOPSOIL AND HECP REQUIREMENTS

STAMPED CONCRETE, 4 INCH THICK REQ'D
ASHLAR SLATE STAMP PATTERN
INTEGRAL COLOR: COBBLESTONE (AMS-STD 26134)

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D
DRILL SEED REQ'D
HECP TYPE 1 REQ'D

DRILL SEED REQ'D
HECP TYPE 1 REQ'D
SCARIFY AND GRADE SURFACE REQ'D

UNTREATED BASE COURSE (PLAN QUANTITY) REQ'D (4")
(SEE RED SHEETS FOR CALLOUTS)

GRASSES

FESTUCA GLAUCA 'CASCA11' TM
BEYOND BLUE FESCUE
1 GAL

PANICUM VIRGATUM 'SHENANDOAH'
SHENANDOAH SWITCH GRASS
1 GAL

PANICUM VIRGATUM 'RED FLAME' PPAF
RED FLAME SWITCH GRASS
1 GAL

PERENNIALS

ACHILLEA MILLEFOLIUM 'SUMMER PASTELS'
MIXED PASTEL YARROW
1 GAL

ASTER NOVAE-ANGLIAE 'PURPLE DOME'
FALL ASTER
1 GAL

SALVIA GREGGII 'FURMANS RED'
FURMAN'S RED AUTUMN SAGE
5 GAL

UDOT ROADWAY SEED SCHEDULE - ANNUAL AVERAGE PRECIPITATION RATE OF 16-22"

GRASS OR FORB	SPECIES NAME: BOTANICAL NAME	SPECIES NAME: COMMON NAME	Number of Seeds per Pound (LBS)	DRILL SEED: Pounds (LBS) of Pure Live Seed (PLS)/Acre	DRILL SEED: Percentage of Seed mixture	DRILL SEED: Number of Seeds (PLS/Sq. Foot)	BROADCAST SEED: Pounds (LBS) of Pure Live Seed (PLS)/Acre	BROADCAST SEED: Percentage of Seed mixture	BROADCAST SEED: Number of Seeds (PLS/Sq. Foot)
	Grass Species								
G	*Achnatherum hymenoides*	Indian ricegrass	141,000	2.50	10.81%	8	3.75	10.81%	12
G	*Agropyron cristatum* 'Ephraim'	Ephraim Crested wheatgrass	265,250	1.00	8.14%	6	1.50	8.14%	9
G	*Elymus lanceolatus ssp. lanceolatus*	Thickspike wheatgrass	154,000	2.00	9.45%	7	3.00	9.45%	11
G	*Elymus trachycaulus ssp. trachycaulus*	Slender wheatgrass	159,000	2.80	13.66%	10	4.20	13.66%	15
G	*Elymus wawaaiensis*	Snake River wheatgrass	120,000	3.00	11.04%	8	4.50	11.04%	12
G	*Festuca arizonica*	Arizona fescue	550,000	0.50	8.44%	6	0.75	8.44%	9
G	*Poa secunda ssp. sandbergii*	Sandberg bluegrass	1,047,000	0.30	9.64%	7	0.45	9.64%	11
G	*Sporobolus airoides*	Alkali sacaton	1,758,000	0.15	8.09%	6	0.23	8.09%	9
				12.25	79.26%	59	18.38	79.26%	89
	Forb Species								
F	*Linum lewsii*	Lewis flax	170,000	2.00	10.43%	8	3.00	10.43%	12
F	*Penstemon strictus*	Rocky Mountain penstemon	592,000	0.30	5.45%	4	0.45	5.45%	6
F	*Gaillardia arisata*	Blanket flower	132,000	1.20	4.86%	4	1.80	4.86%	5
				3.50	20.74%	16	5.25	20.74%	23
			TOTALS =	**15.75**	**100.00%**	**75**	**23.63**	**100.00%**	**112**

PLANT SCHEDULE

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

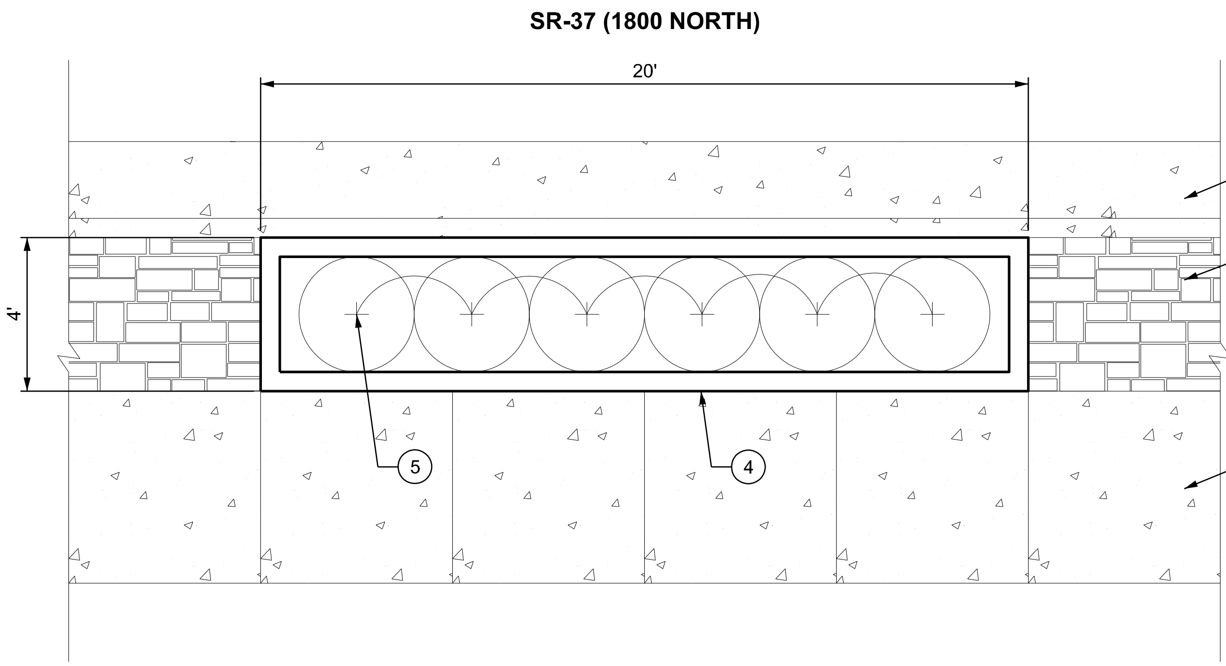
DRAWN BY JBW
QC CHECKED BY SRP
DATE 4/30/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER: S-I15-8(157)336
LANDSCAPE DETAILS

SHEET NO. LS-DT-01

30-APR-2024

EXHIBIT A

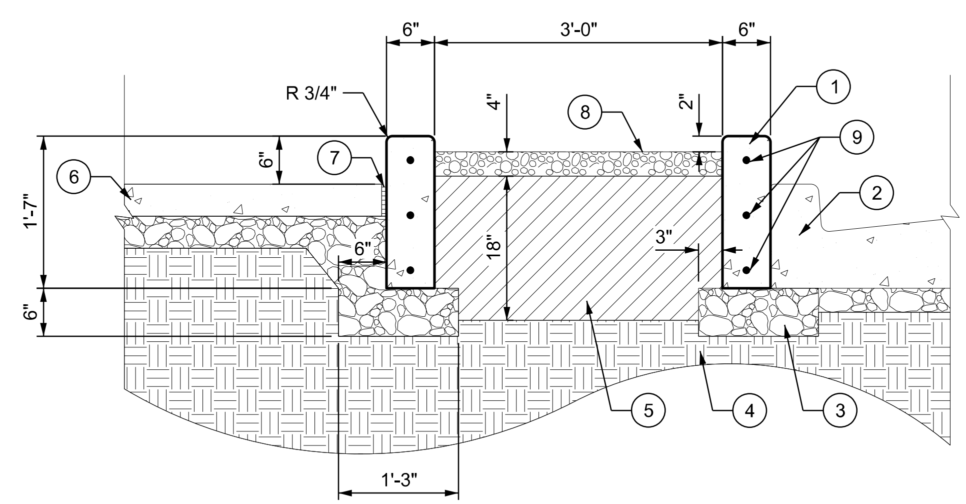


1. CONCRETE CURB AND GUTTER TYPE B1 REQ'D, SEE RD SHEETS
2. STAMPED CONCRETE, 4 INCH THICK REQ'D, SEE RD SHEETS (SEE DT-05 FOR STAMP PATTERN AND COLOR)
3. CONCRETE SIDEWALK REQ'D, SEE RD SHEETS
4. CONCRETE CURBWALL REQ'D - SEE DETAIL THIS SHEET
5. PLANT - NO. 5 CONTAINER REQ'D
   SIX (6) TOTAL - SEE PLANT SCHEDULE FOR SPECIES, SIZE AND TOTAL QUANTITIES

PLANT SCHEDULE				
SHRUB		BOTANICAL NAME	COMMON NAME	QUANTITY
PLANT - NO. 5 CONTAINER REQ'D	See Planter Bed A	Juniperus communis	Tortuga Juniper	198
PLANT - NO. 5 CONTAINER REQ'D	See Planter Bed B	Caragana frutex 'Globosa'	Globe Peashrub	192

PLANTER BED - CLINTON CITY DETAIL

PLANTER BED A - TORTUGA JUNIPER
PLANTER BED B - GLOBE PEASHRUB



1. CONCRETE CURB WALL REQ'D
2. CONCRETE CURB AND GUTTER TYPE B1 REQ'D, SEE RD SHEETS
3. UNTREATED BASE COURSE
4. UNDISTURBED OR COMPACTED SUBGRADE
5. CONTRACTOR FURNISHED TOPSOIL, 18 INCH THICK REQ'D
6. CONCRETE SIDEWALK REQ'D, SEE RD SHEET
7. EXPANSION JOINT
8. ROCK MULCH REQ'D - SEE PLANTING SCHEDULE FOR DETAILS
9. 3 CONTINUOUS #4 REBAR

CONCRETE CURBWALL

DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682_I-15_1800_NORTH_INTERCHANGE/Landscape/15682_LS-DT-02.dgn

30-APR-2024

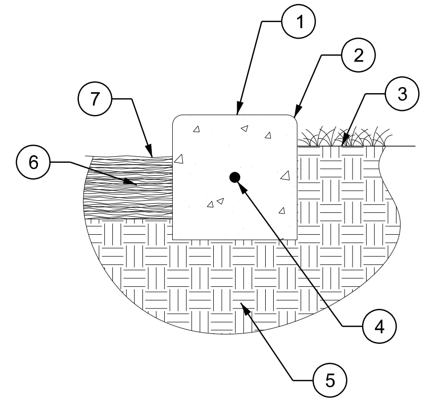
REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

DRAWN BY: JBW
QC CHECKED BY: SRP
DATE: 4/30/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
LANDSCAPE DETAILS
SHEET NO. LS-DT-02

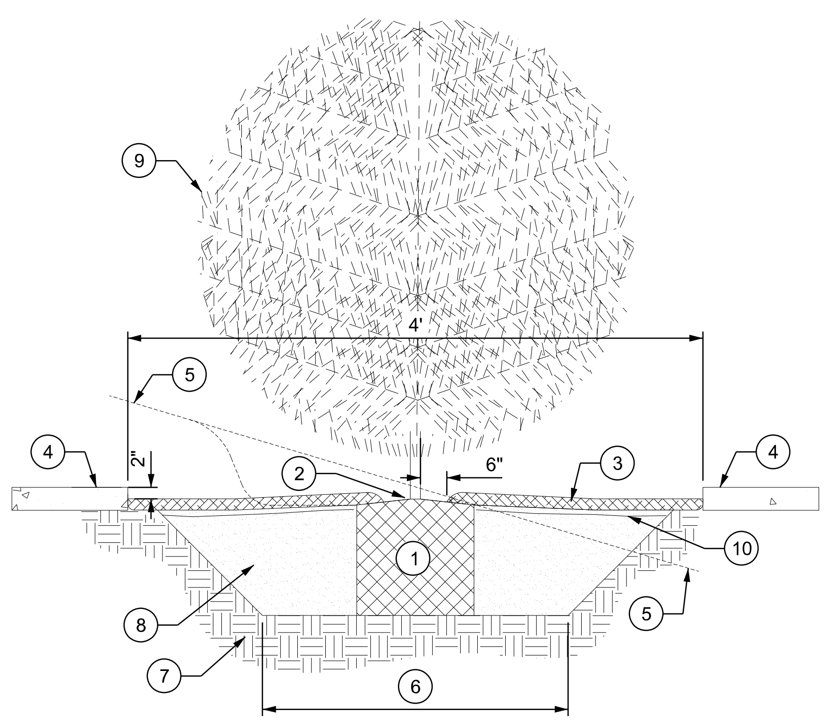
EXHIBIT A



1. 6" x 6" CONCRETE MOW STRIP (MIN. 2000 PSI AT 28 DAYS)
2. 1/2" RADIUS TROWLED EDGES (TYP.)
3. FINISH GRADE FOR LAWN AREAS. 1" BELOW TOP OF CONCRETE FOR SEED; 1-1/2" FOR SOD
4. #3 REBAR CONT. (LAP 12" AT SPLICES)
5. UNDISTURBED OR COMPACTED SUBGRADE AT 90% RELATIVE DENSITY
6. 4" LAYER MULCH IN PLANTER BEDS
7. FINISH GRADE AT 2" BELOW TOP OF CONCRETE FOR PLANTING BED AREAS

NOTE:
PROVIDE CONSTRUCTION OR CONTROL JOINTS AT 5' O.C. MAX. AND EXPANSION JOINTS WHERE MOWSTRIP ABUTS ANY MASONRY TYPE IMPROVEMENT.

6" CONCRETE MOWSTRIP



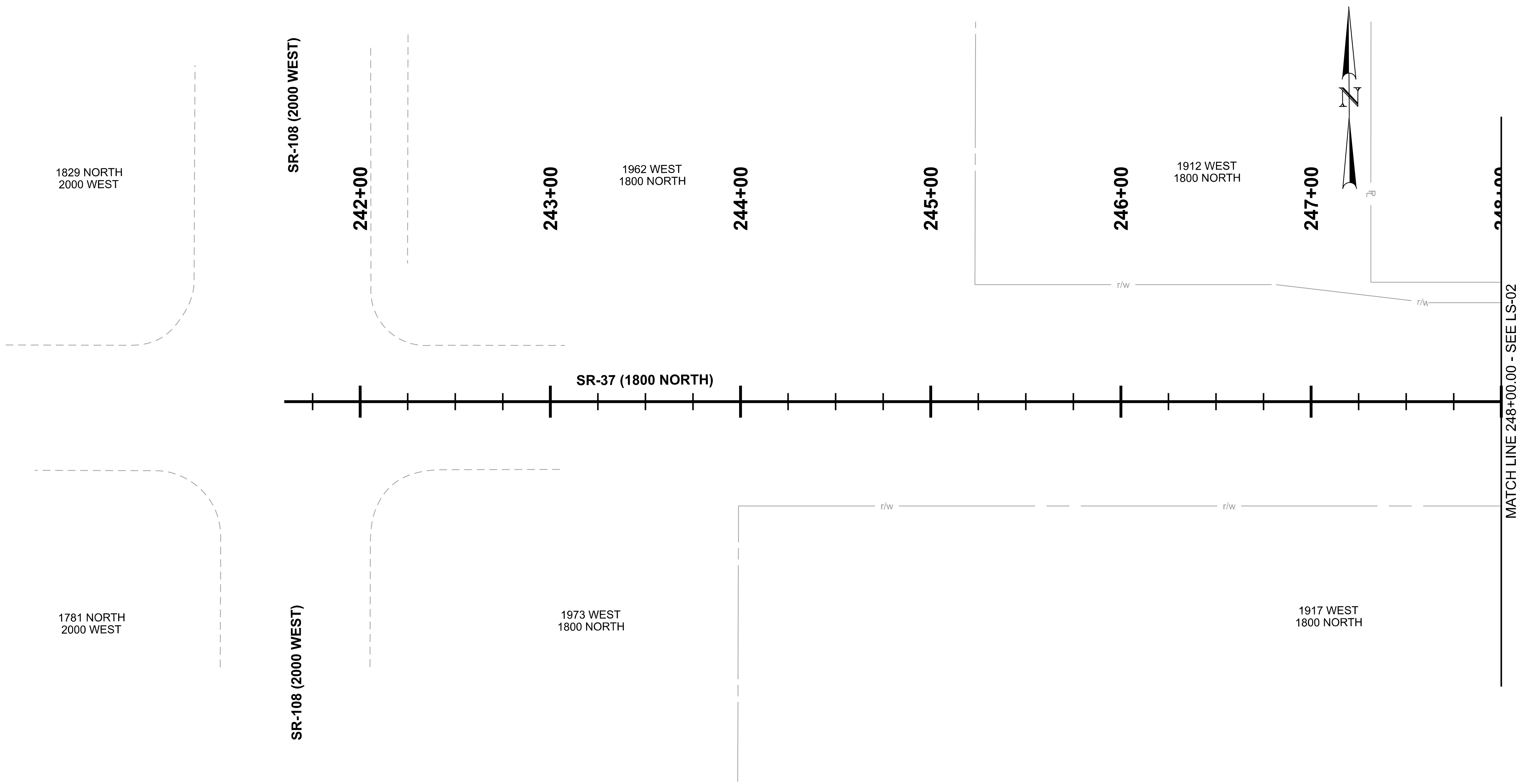
1. ROOTBALL
2. CROWN - APPROXIMATELY 1" ABOVE FINISH GRADE
3. 4" LAYER OF MULCH
4. STAMPED CONCRETE, CONCRETE SIDEWALK, OR CONCRETE CURB AND GUTTER TYPE B1, SEE RD SHEETS
5. FINISHED GRADE AT SLOPE (WHERE SLOPE OCCURS)
6. 2X ROOTBALL DIA. MIN. W/45 DEGREES SIDES
7. UNDISTURBED SOIL
8. BACKFILL MIX (SEE PLANTING NOTES)
9. PLANT - 1-1/2 INCH CALIPER REQ'D
   OR
   PLANT - NO. 1 CONTAINER REQ'D
   OR
   PLANT - NO. 5 CONTAINER REQ'D
10. WEED BARRIER FABRIC (SEE SPECIFICATIONS)

TREE/SHRUB PLANTING

REVISIONS
NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.
DRAWN BY JBW
QC CHECKED BY SRP
APPROVED
PROFESSIONAL ENGINEER
4/30/2024
DATE
PROJECT I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER S-I15-8(157)336
PIN 15682
LANDSCAPE DETAILS
SHEET NO. LS-DT-03

EXHIBIT A



NO WORK THIS SHEET

NOTES:
1. SEE RD SHEETS FOR STAMPED CONCRETE REQUIREMENTS

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

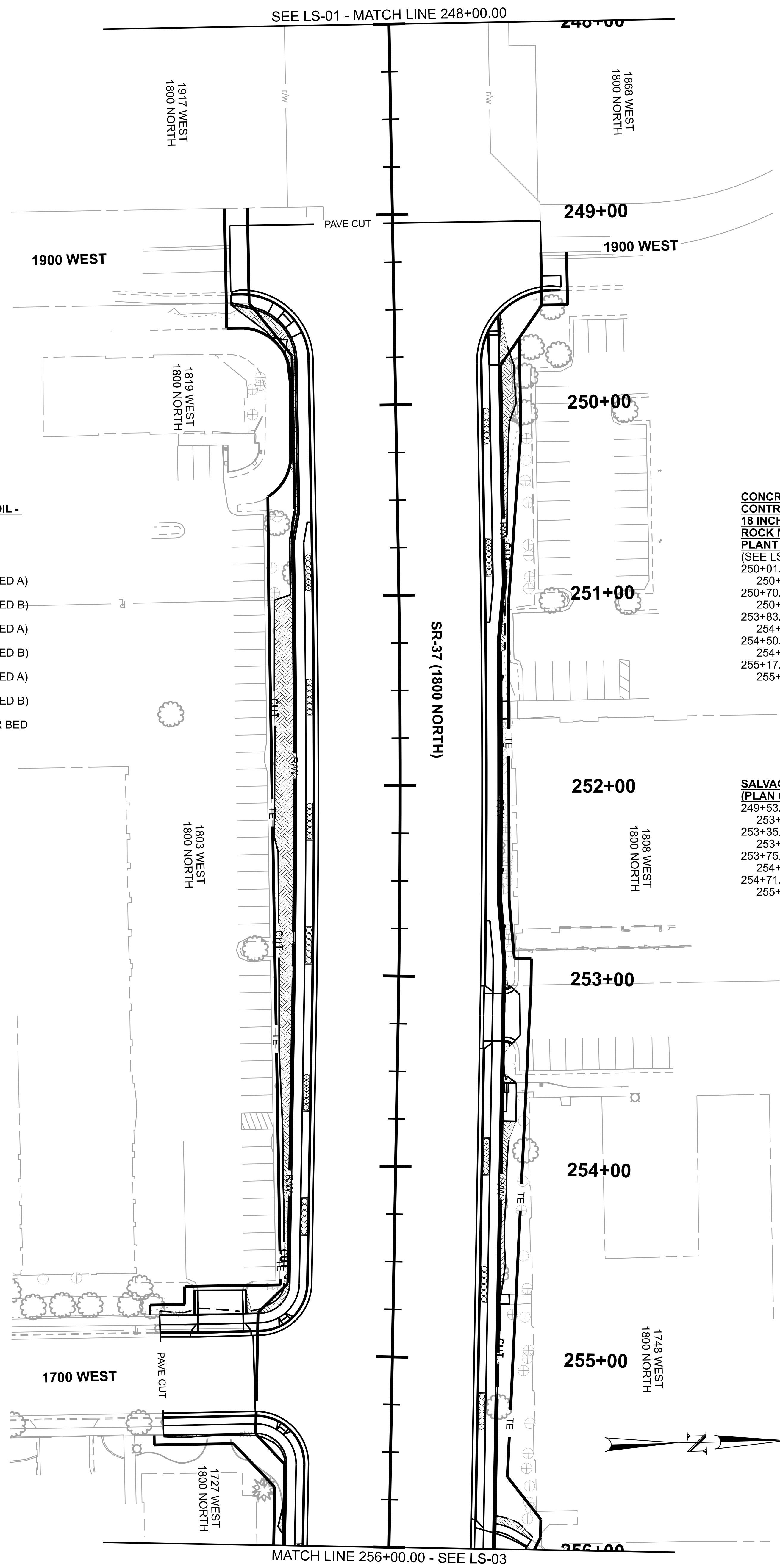
DRAWN BY	JBW
QC CHECKED BY	SRP
DATE	4/30/2024
APPROVED	
PROFESSIONAL ENGINEER	

PROJECT	I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER	S-I15-8(157)336
PIN	15682
	LANDSCAPE
SHEET NO.	LS-01

EXHIBIT A

30-APR-2024 DGN File:pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682_I-15_1800_NORTH_INTERCHANGE/Landscape/15682_LS-01-07_1800N_Seg1.dgn

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D



CONCRETE CURB WALL REQ'D
CONTRACTOR FURNISHED TOPSOIL -
18 INCH THICK REQ'D
ROCK MULCH REQ'D
PLANT - NO. 5 CONTAINER REQ'D
(SEE LS-DT-02 FOR DETAILS)
250+77.47 RT 49.50 TO
250+97.61 RT 49.50 (PLANTER BED A)
251+43.09 RT 49.50 TO
251+63.23 RT 49.50 (PLANTER BED B)
252+08.71 RT 49.50 TO
252+28.85 RT 49.50 (PLANTER BED A)
252+74.32 RT 49.50 TO
252+94.46 RT 49.50 (PLANTER BED B)
253+51.82 RT 49.50 TO
253+71.82 RT 49.50 (PLANTER BED A)
254+17.02 RT 49.50 TO
254+37.02 RT 49.50 (PLANTER BED B)
255+98.74 RT 49.50 TO
MATCH LINE RT 49.50 (PLANTER BED A)

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
249+46.00 RT 86.00 TO
254+67.00 RT 77.00
254+78.00 RT 105.00 TO
254+78.00 RT 123.00
255+44.00 RT 119.00 TO
MATCH LINE RT 56.00

CONCRETE CURB WALL REQ'D
CONTRACTOR FURNISHED TOPSOIL -
18 INCH THICK REQ'D
ROCK MULCH REQ'D
PLANT - NO. 5 CONTAINER REQ'D
(SEE LS-DT-02 FOR DETAILS)
250+01.93 LT 49.50 TO
250+21.93 LT 49.50 (PLANTER BED B)
250+70.84 LT 49.50 TO
250+90.70 LT 49.50 (PLANTER BED A)
253+83.95 LT 49.50 TO
254+03.95 LT 49.50 (PLANTER BED B)
254+50.95 LT 49.50 TO
254+70.95 LT 49.50 (PLANTER BED A)
255+17.95 LT 49.50 TO
255+37.95 LT 49.50 (PLANTER BED B)

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
249+53.00 LT 56.00 TO
253+06.00 LT 57.00
253+35.00 LT 60.00 TO
253+55.00 LT 63.00
253+75.00 LT 63.00 TO
254+66.00 LT 56.00
254+71.00 LT 56.00 TO
255+93.00 LT 75.00

NOTES:
1. SEE RD SHEETS FOR STAMPED CONCRETE REQUIREMENTS

PROJECT	I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER	S-I15-8(157)336
PIN	15682
	LANDSCAPE
SHEET NO.	LS-02

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

APPROVED

PROFESSIONAL ENGINEER

4/30/2024
DATE

DRAWN BY JBW
QC CHECKED BY SRP

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

EXHIBIT A

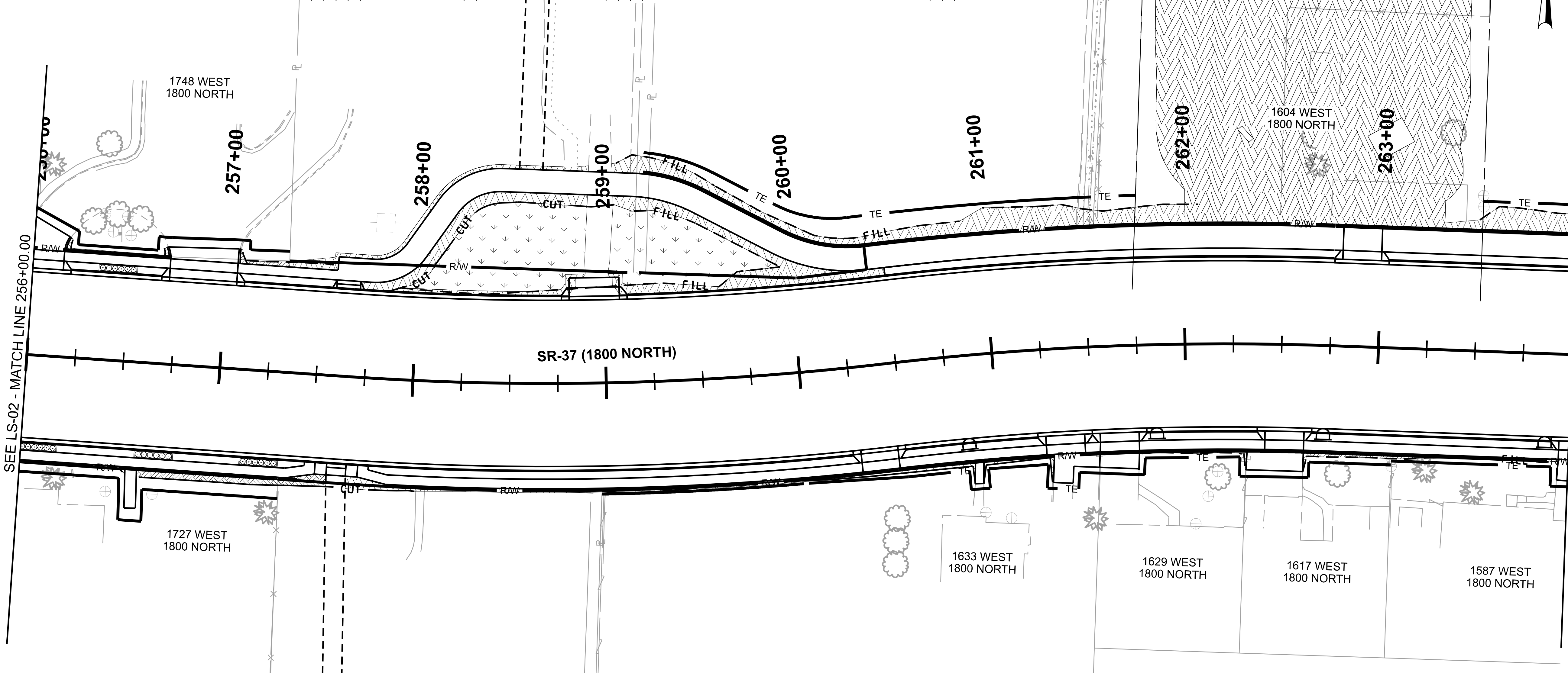
CONCRETE CURB WALL REQ'D
CONTRACTOR FURNISHED TOPSOIL - 18 INCH THICK REQ'D
ROCK MULCH REQ'D
PLANT - NO. 5 CONTAINER REQ'D
(SEE LS-DT-02 FOR DETAILS)
256+34.14 LT 49.50 TO
256+54.14 LT 49.50 (PLANTER BED A)

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
256+19.00 LT 62.00 TO
256+69.00 LT 60.00
257+07.00 LT 62.00 TO
257+32.00 LT 57.00

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
DRILL SEED REQ'D
HECP TYPE 1 REQ'D
257+32.00 LT 57.00 TO
258+92.50 LT 112.50
257+70.00 LT 49.50 TO
258+92.00 LT 97.50
257+91.00 LT 47.50 TO
258+90.00 LT 56.50
259+02.00 LT 56.50
260+50.00 LT 49.50
259+05.50 LT 97.00
259+95.00 LT 49.50
259+05.50 LT 113.00
262+00.00 LT 72.00
263+32.00 LT 65.50 TO
MATCH LINE LT 73.00

POND
261+92.00 LT 308.00 TO
263+44.00 LT 304.00

DRILL SEED REQ'D
HECP TYPE 1 REQ'D
SCARIFY AND GRADE SURFACE REQ'D
257+91.00 LT 47.50 TO
258+91.50 LT 91.50
259+06.00 LT 92.00
259+94.50 LT 55.00



CONCRETE CURB WALL REQ'D
CONTRACTOR FURNISHED TOPSOIL - 18 INCH THICK REQ'D
ROCK MULCH REQ'D
PLANT - NO. 5 CONTAINER REQ'D
(SEE LS-DT-02 FOR DETAILS)
MATCH LINE RT 49.50 TO
256+18.74 RT 49.50 (PLANTER BED A)
256+58.74 RT 49.50 TO
256+78.74 RT 49.50 (PLANTER BED B)
257+13.11 RT 49.50 TO
257+33.11 RT 49.50 (PLANTER BED A)

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
MATCH LINE RT 56.00 TO
256+55.00 RT 58.00
256+61.00 RT 59.00 TO
257+59.00 RT 57.50
260+46.00 RT 57.00 TO
260+85.50 RT 66.50
260+90.00 RT 67.00 TO
261+27.00 RT 69.00
261+75.00 RT 56.00 TO
262+32.00 RT 65.00
262+63.00 RT 65.50 TO
263+95.00 RT 65.00

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
DRILL SEED REQ'D
HECP TYPE 1 REQ'D
257+69.00 RT 58.00 TO
260+27.00 RT 57.00

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D
DRILL SEED REQ'D
HECP TYPE 1 REQ'D

DRILL SEED REQ'D
HECP TYPE 1 REQ'D
SCARIFY AND GRADE SURFACE REQ'D

NOTES:
1. SEE RD SHEETS FOR STAMPED CONCRETE REQUIREMENTS

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

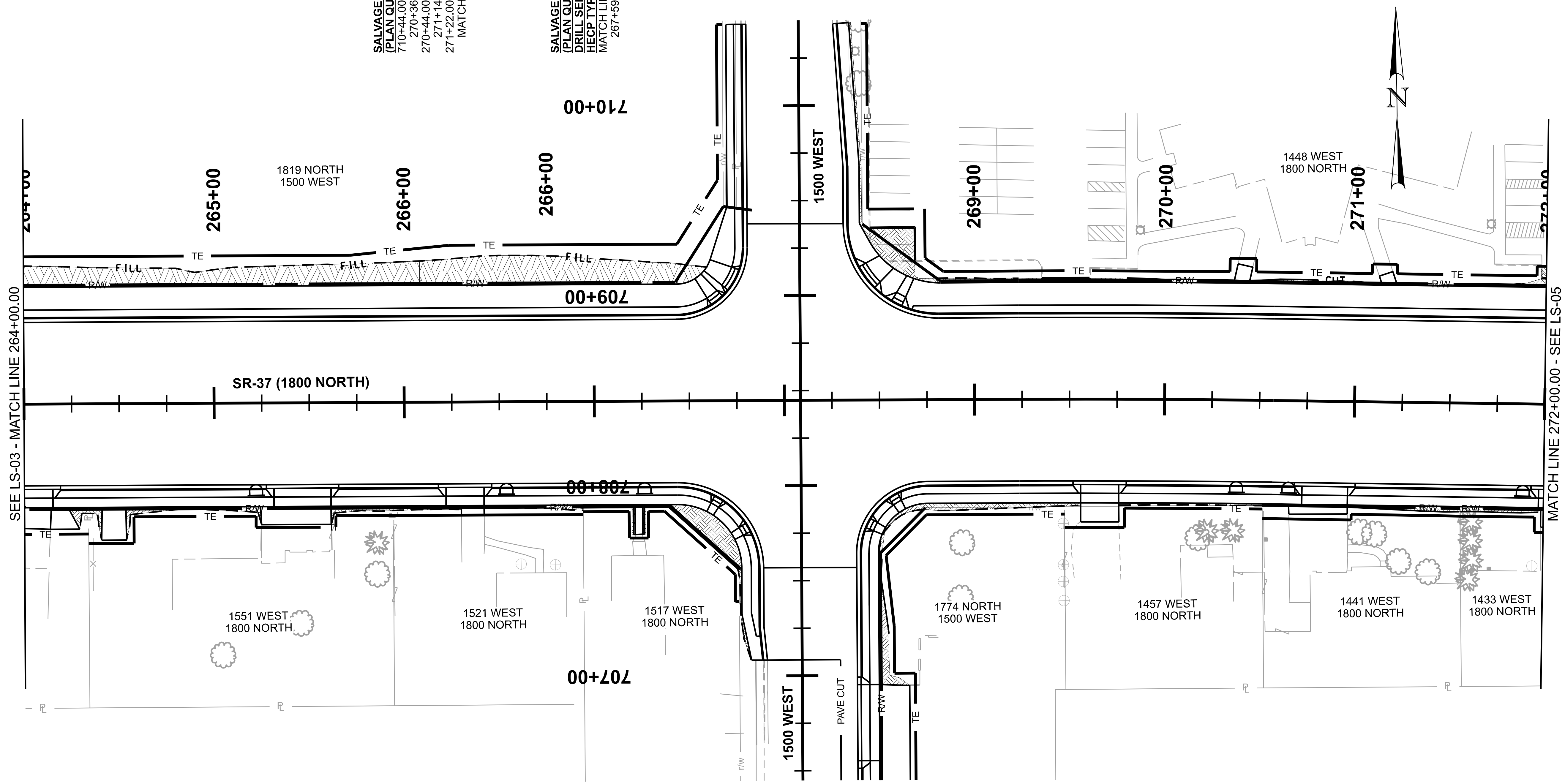
DRAWN BY	JBW
QC CHECKED BY	SRP
DATE	4/30/2024
APPROVED	
PROFESSIONAL ENGINEER	

PROJECT	I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER	S-I15-8(157)336
PIN	15682
	LANDSCAPE
SHEET NO.	LS-03

EXHIBIT A

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
710+44.00 RT 28.00 TO
270+36.00 LT 63.00
270+44.00 LT 63.00 TO
271+14.00 LT 61.50
271+22.00 LT 61.50 TO
MATCH LINE LT 72.50

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
DRILL SEED REQ'D
HECP TYPE 1 REQ'D
MATCH LINE LT 73.00 TO
267+59.37 LT 70.40



SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
264+23.00 RT 54.50 TO
264+41.00 RT 72.00
264+53.00 RT 72.00 TO
265+25.00 RT 64.00
265+62.00 RT 64.00 TO
266+30.00 RT 57.00
266+42.00 RT 55.50 TO
267+20.00 RT 70.00
267+27.00 RT 70.00 TO
267+82.00 RT 137.00
268+65.00 RT 150.00 TO
269+56.00 RT 56.00
269+76.00 RT 56.00 TO
270+66.00 RT 55.00
270+97.00 RT 56.00 TO
271+99.00 RT 57.00

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D
DRILL SEED REQ'D
HECP TYPE 1 REQ'D

NOTES:
1. SEE RD SHEETS FOR STAMPED CONCRETE REQUIREMENTS

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

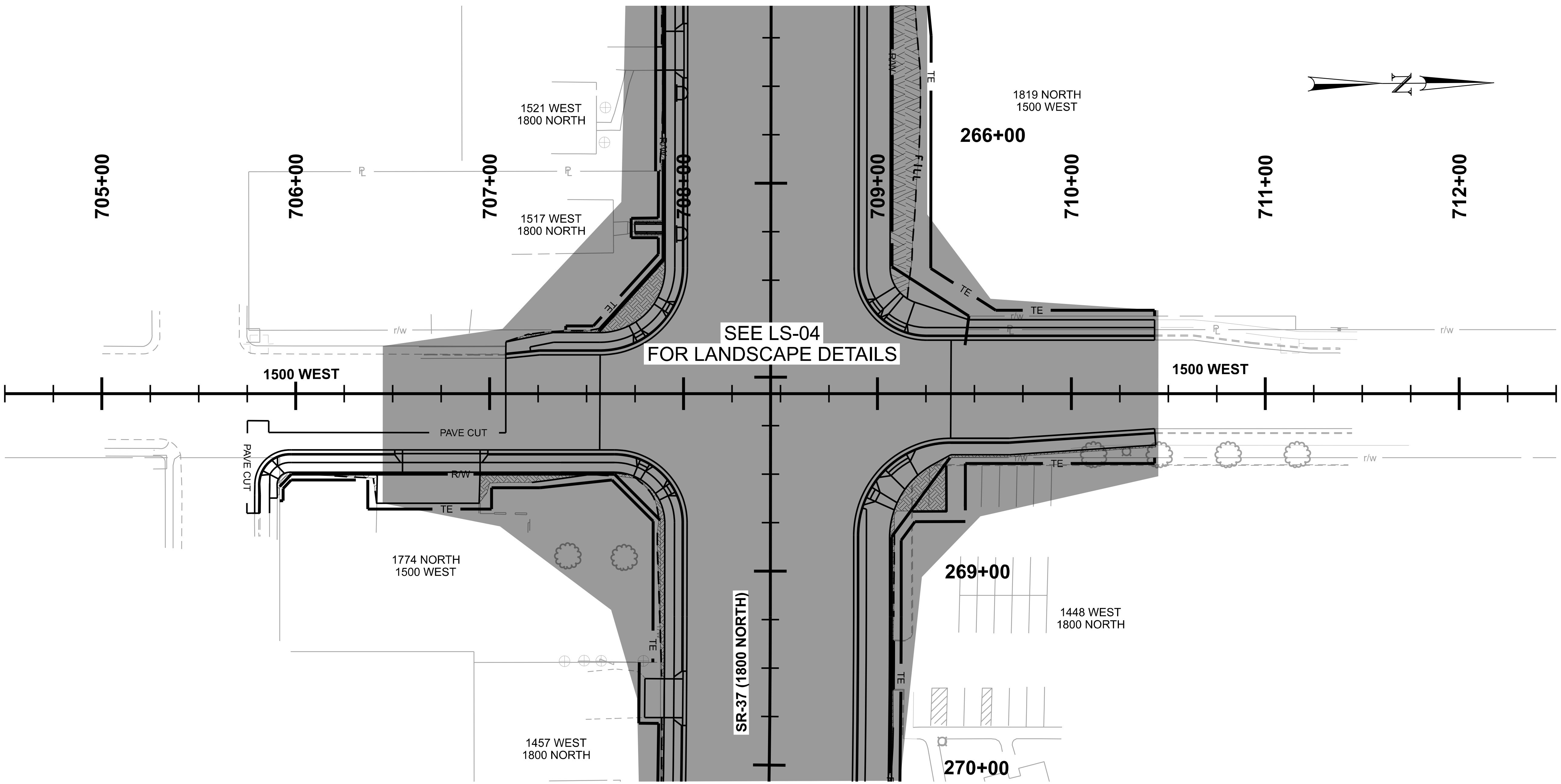
DRAWN BY JBW
QC CHECKED BY SRP
4/30/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN 15682
LANDSCAPE

SHEET NO. LS-04

30-APR-2024

EXHIBIT A



WORK SHOWN ON SEPARATE SHEET

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D
DRILL SEED REQ'D
HECP TYPE 1 REQ'D

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D
705+91.50 RT 52.00 TO
706+42.00 RT 56.50

NOTES:
1. SEE RD SHEETS FOR STAMPED CONCRETE REQUIREMENTS

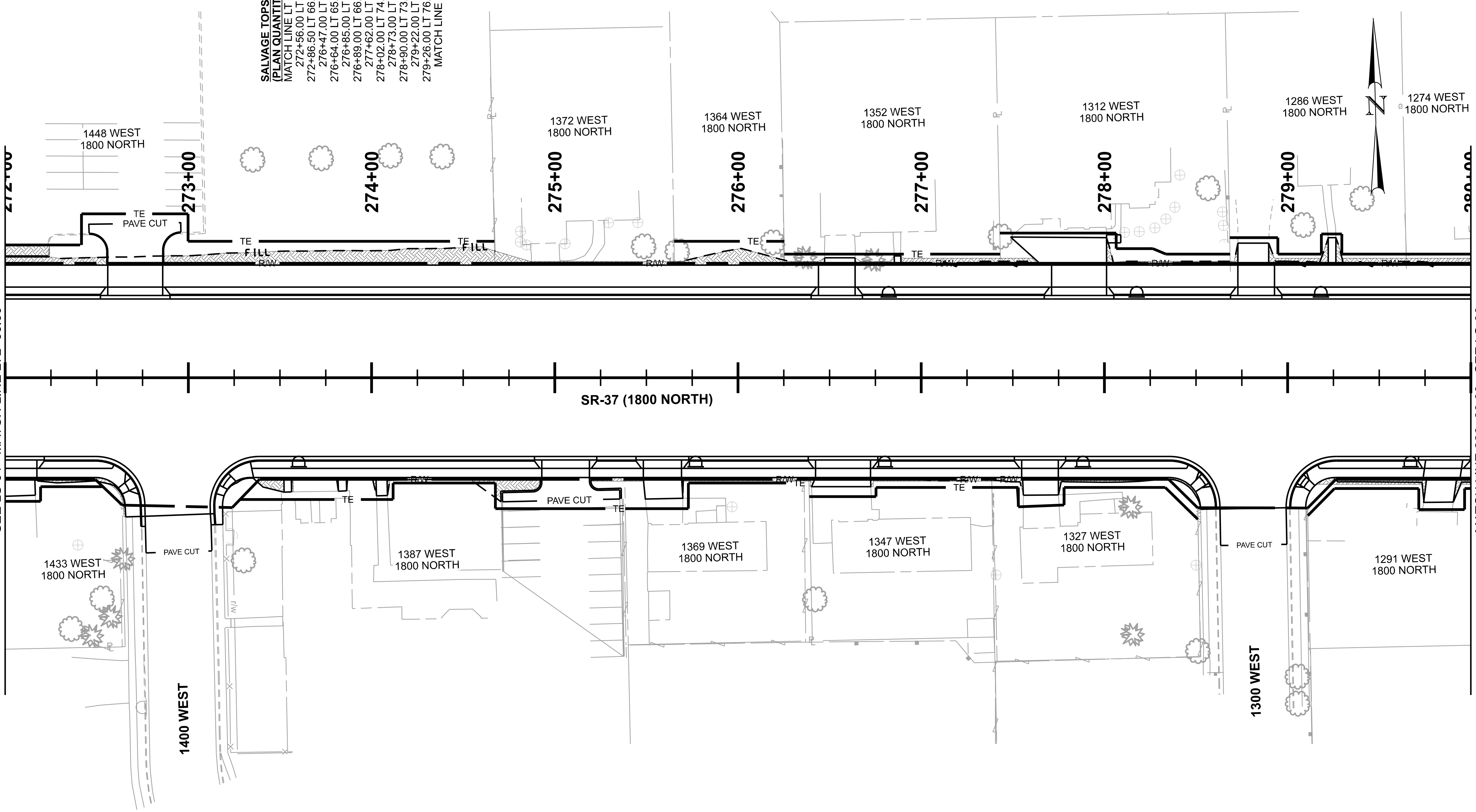
REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

DRAWN BY: JBW
QC CHECKED BY: SRP
DATE: 4/30/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
LANDSCAPE
SHEET NO. LS-04A

EXHIBIT A



SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
MATCH LINE LT 72.50 TO
272+56.00 LT 66.00
272+86.50 LT 66.50 TO
276+47.00 LT 65.50
276+64.00 LT 65.50 TO
276+85.00 LT 66.50
276+89.00 LT 66.50 TO
277+62.00 LT 65.00
278+02.00 LT 74.00 TO
278+73.00 LT 73.50
278+90.00 LT 73.50 TO
279+22.00 LT 76.50
279+26.00 LT 76.50 TO
MATCH LINE LT 65.00

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
272+16.00 RT 56.00 TO
272+65.00 RT 76.00
273+52.00 RT 62.50 TO
273+20.00 RT 65.00
273+57.00 RT 62.00 TO
273+82.00 RT 62.00
273+86.00 RT 62.00 TO
274+03.00 RT 64.50
274+09.00 RT 64.00 TO
274+92.00 RT 54.50
275+20.00 RT 56.50 TO
275+49.00 RT 56.50
275+70.00 RT 63.00 TO
276+39.00 RT 59.50
276+74.00 RT 59.50 TO
277+56.00 RT 64.00
277+75.00 RT 64.00 TO
278+53.00 RT 72.00
279+16.00 RT 58.00 TO
279+74.00 RT 68.00
279+90.00 RT 68.00 TO
MATCH LINE RT 58.00

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D

NOTES:
1. SEE RD SHEETS FOR STAMPED CONCRETE REQUIREMENTS

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

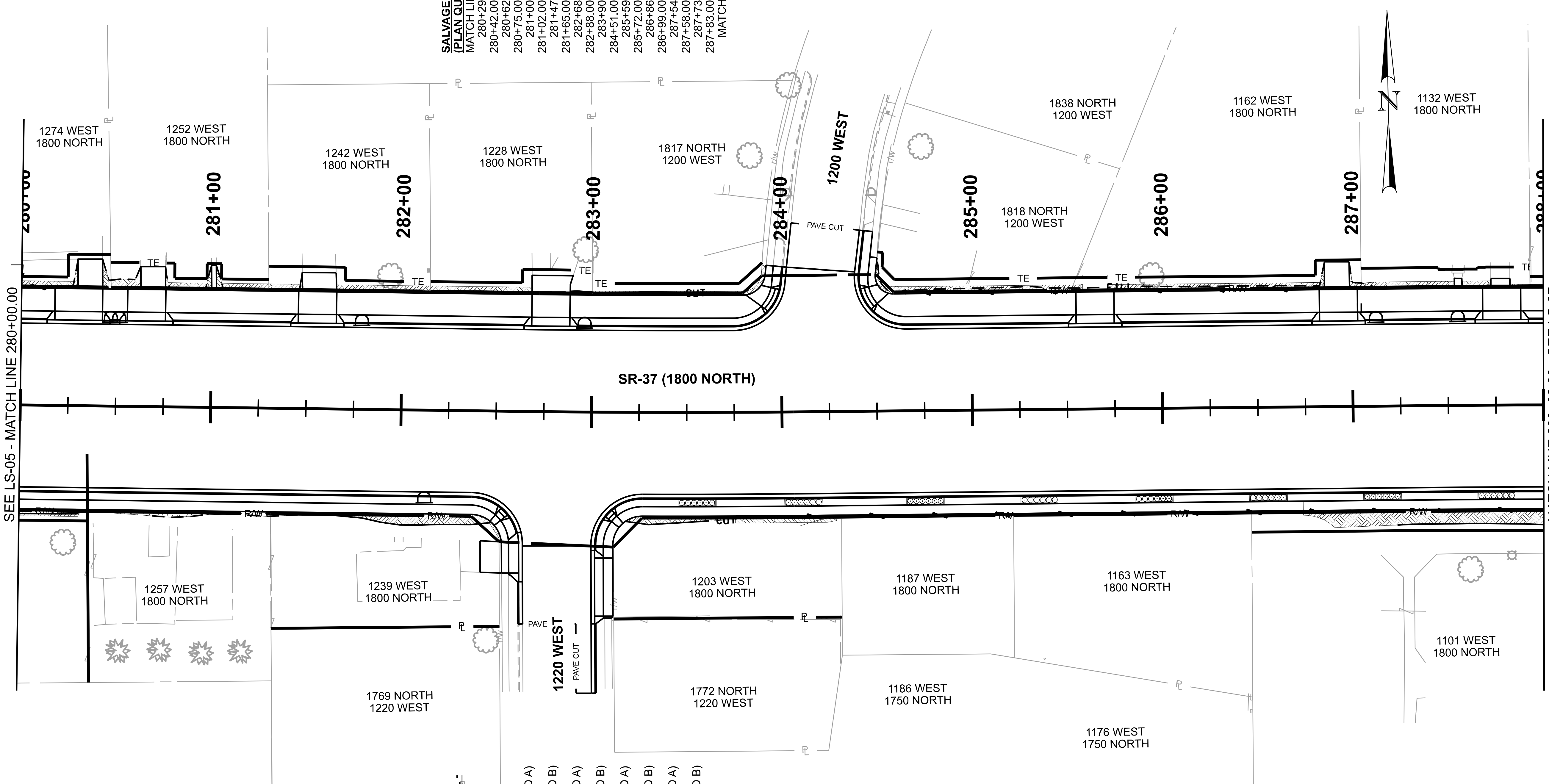
DRAWN BY JBW
QC CHECKED BY SRP
APPROVED 4/30/2024 DATE
PROFESSIONAL ENGINEER

PROJECT I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER S-I15-8(157)336 PIN 15682
LANDSCAPE
SHEET NO. LS-05

30-APR-2024

EXHIBIT A

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
MATCH LINE LT 65.00 TO
280+29.00 LT 77.00
280+42.00 LT 77.00 TO
280+62.00 LT 73.50
280+75.00 LT 74.00 TO
281+00.00 LT 74.50
281+02.00 LT 74.50 TO
281+47.00 LT 71.50
281+65.00 LT 65.00 TO
282+68.00 LT 65.00
282+88.00 LT 63.00 TO
283+90.00 LT 77.00
284+51.00 LT 80.50 TO
285+59.00 LT 65.50
285+72.00 LT 65.00 TO
286+86.00 LT 76.00
286+99.00 LT 76.00 TO
287+54.00 LT 65.00
287+58.00 LT 65.00 TO
287+73.00 LT 65.00
287+83.00 LT 63.50 TO
MATCH LINE LT 63.50



CONCRETE CURB WALL REQ'D
CONTRACTOR FURNISHED TOPSOIL -
18 INCH THICK REQ'D
ROCK MULCH REQ'D
PLANT - NO. 5 CONTAINER REQ'D
(SEE LS-DT-02 FOR DETAILS)
283+45.53 RT 49.50 TO
283+65.37 RT 49.50 (PLANTER BED A)
284+01.08 RT 49.50 TO
284+21.04 RT 49.50 (PLANTER BED B)
284+65.05 RT 49.50 TO
284+85.05 RT 49.50 (PLANTER BED A)
285+25.06 RT 49.50 TO
285+45.06 RT 49.50 (PLANTER BED B)
285+85.05 RT 49.50 TO
286+05.05 RT 49.50 (PLANTER BED A)
286+45.04 RT 49.50 TO
286+65.04 RT 49.50 (PLANTER BED B)
287+05.03 RT 49.50 TO
287+25.03 RT 49.50 (PLANTER BED A)
287+65.19 RT 49.50 TO
287+85.32 RT 49.50 (PLANTER BED B)

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
MATCH LINE RT 58.00 TO
280+31.00 RT 58.00
281+32.00 RT 57.00 TO
282+54.00 RT 69.00
283+18.00 RT 57.00 TO
284+28.00 RT 57.00
286+73.00 RT 57.00 TO
MATCH LINE RT 63.00

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
DRILL SEED REQ'D
HECP TYPE 1 REQ'D
280+32.00 RT 55.00 TO
281+32.00 RT 57.00

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D
DRILL SEED REQ'D
HECP TYPE 1 REQ'D

NOTES:
1. SEE RD SHEETS FOR STAMPED CONCRETE REQUIREMENTS

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

DRAWN BY JBW
QC CHECKED BY SRP
4/30/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
LANDSCAPE
SHEET NO. LS-06

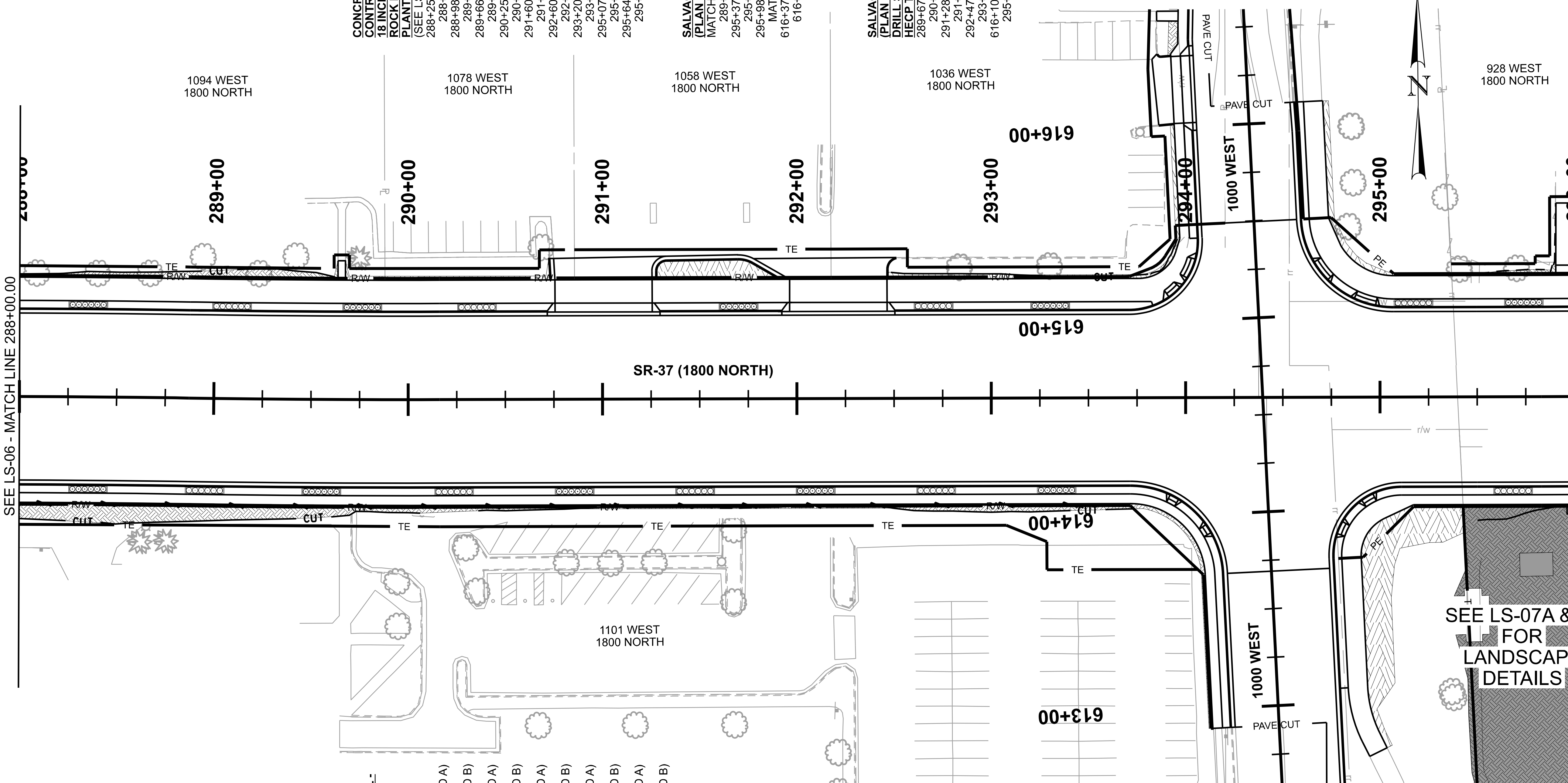
30-APR-2024

EXHIBIT A

CONCRETE CURB WALL REQ'D
CONTRACTOR FURNISHED TOPSOIL - 18 INCH THICK REQ'D
ROCK MULCH REQ'D
PLANT - NO. 5 CONTAINER REQ'D
(SEE LS-DT-02 FOR DETAILS)
288+25.14LT 49.50 TO
288+45.01 LT 49.50 (PLANTER BED A)
288+98.78 LT 49.50 TO
289+18.92 LT 49.50 (PLANTER BED B)
289+66.23 LT 49.50 TO
289+86.37 LT 49.50 (PLANTER BED A)
290+25.58 LT 49.50 TO
290+45.58 LT 49.50 (PLANTER BED B)
291+60.13 LT 49.50 TO
291+80.13 LT 49.50 (PLANTER BED A)
292+60.46 LT 49.50 TO
292+80.46 LT 49.50 (PLANTER BED B)
293+20.46 LT 49.50 TO
293+40.46 LT 49.50 (PLANTER BED A)
295+07.41 LT 50.50 TO
295+27.41 LT 50.50 (PLANTER BED B)
295+64.16 LT 50.50 TO
295+84.17 LT 50.50 (PLANTER BED A)

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
MATCH LINE LT 63.50 TO
289+64.00 LT 72.00
295+37.00 LT 63.50 TO
295+91.00 LT 70.00
295+98.00 LT 68.00 TO
MATCH LINE LT 68.00
616+37.00 LT 40.00 TO
616+55.00 LT 39.00

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
DRILL SEED REQ'D
HECP TYPE 1 REQ'D
289+67.50 LT 71.50 TO
290+72.50 LT 72.50
291+28.00 LT 66.00 TO
291+91.50 LT 61.50
292+47.00 LT 65.00 TO
293+92.50 LT 140.50
616+10.00 RT 41.50 TO
295+37.00 LT 63.50



CONCRETE CURB WALL REQ'D
CONTRACTOR FURNISHED TOPSOIL - 18 INCH THICK REQ'D
ROCK MULCH REQ'D
PLANT - NO. 5 CONTAINER REQ'D
(SEE LS-DT-02 FOR DETAILS)
288+25.57 RT 49.50 TO
288+45.71 RT 49.50 (PLANTER BED A)
288+85.96 RT 49.50 TO
289+05.84 RT 49.50 (PLANTER BED B)
289+45.67 RT 49.50 TO
289+65.53 RT 49.50 (PLANTER BED A)
290+13.55 RT 49.50 TO
290+33.53 RT 49.50 (PLANTER BED B)
290+75.53 RT 49.50 TO
290+95.53 RT 49.50 (PLANTER BED A)
291+37.53 RT 49.50 TO
291+57.53 RT 49.50 (PLANTER BED B)
291+99.53 RT 49.50 TO
292+19.53 RT 49.50 (PLANTER BED A)
292+61.53 RT 49.50 TO
292+81.53 RT 49.50 (PLANTER BED B)
293+23.53 RT 49.50 TO
293+43.53 RT 49.50 (PLANTER BED A)
295+58.37 RT 50.50 TO
295+78.37 RT 50.50 (PLANTER BED B)

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
MATCH LINE RT 63.00 TO
612+90.00 LT 36.00

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
DRILL SEED REQ'D
HECP TYPE 1 REQ'D
612+77.00 RT 58.00 TO
295+43.00 RT 70.00

WORK SHOWN ON SEPARATE SHEET

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D
DRILL SEED REQ'D
HECP TYPE 1 REQ'D

NOTES:
1. SEE RD SHEETS FOR STAMPED CONCRETE REQUIREMENTS

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

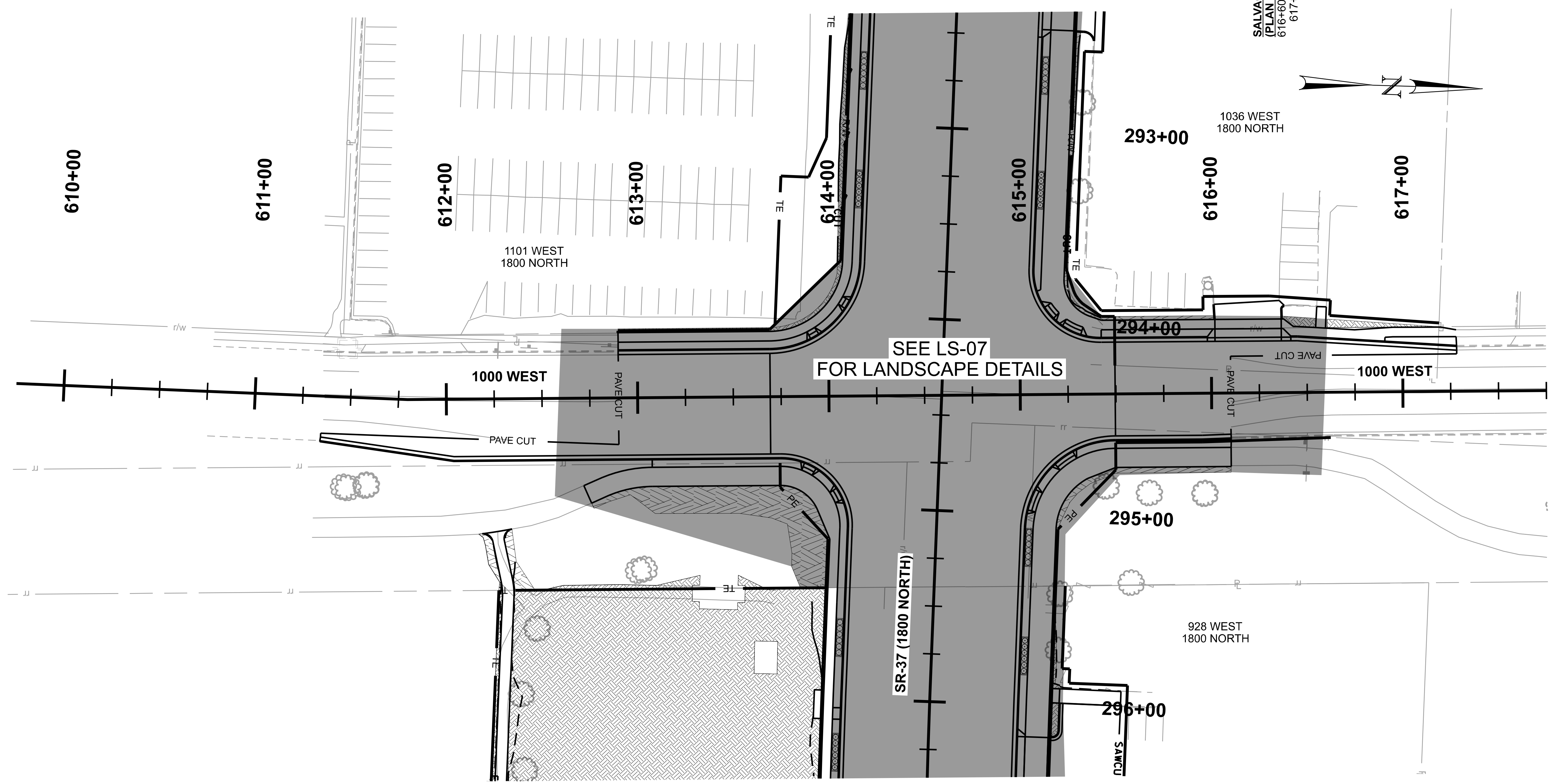
UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

DRAWN BY: JBW
QC CHECKED BY: SRP
DATE: 4/30/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
LANDSCAPE

SHEET NO. LS-07

EXHIBIT A



SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
616+60.00 LT 38.00 TO
617+19.00 LT 34.00

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
DRILL SEED REQ'D
HECP TYPE 1 REQ'D
612+16.00 RT 71.00 TO
612+27.00 RT 100.00
612+34.00 RT 68.00 TO
612+45.50 RT 100.00

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
295+50.00 RT 220.00 TO
MATCH LINE RT 220.00
295+50.00 RT 227.00 TO
MATCH LINE RT 227.00

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D
DRILL SEED REQ'D
HECP TYPE 1 REQ'D

NOTES:
1. SEE RD SHEETS FOR STAMPED CONCRETE REQUIREMENTS

NO.	DATE	APPROVED BY	REMARKS
REVISIONS			

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

DRAWN BY: JBW
QC CHECKED BY: SRP
DATE: 4/30/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
LANDSCAPE

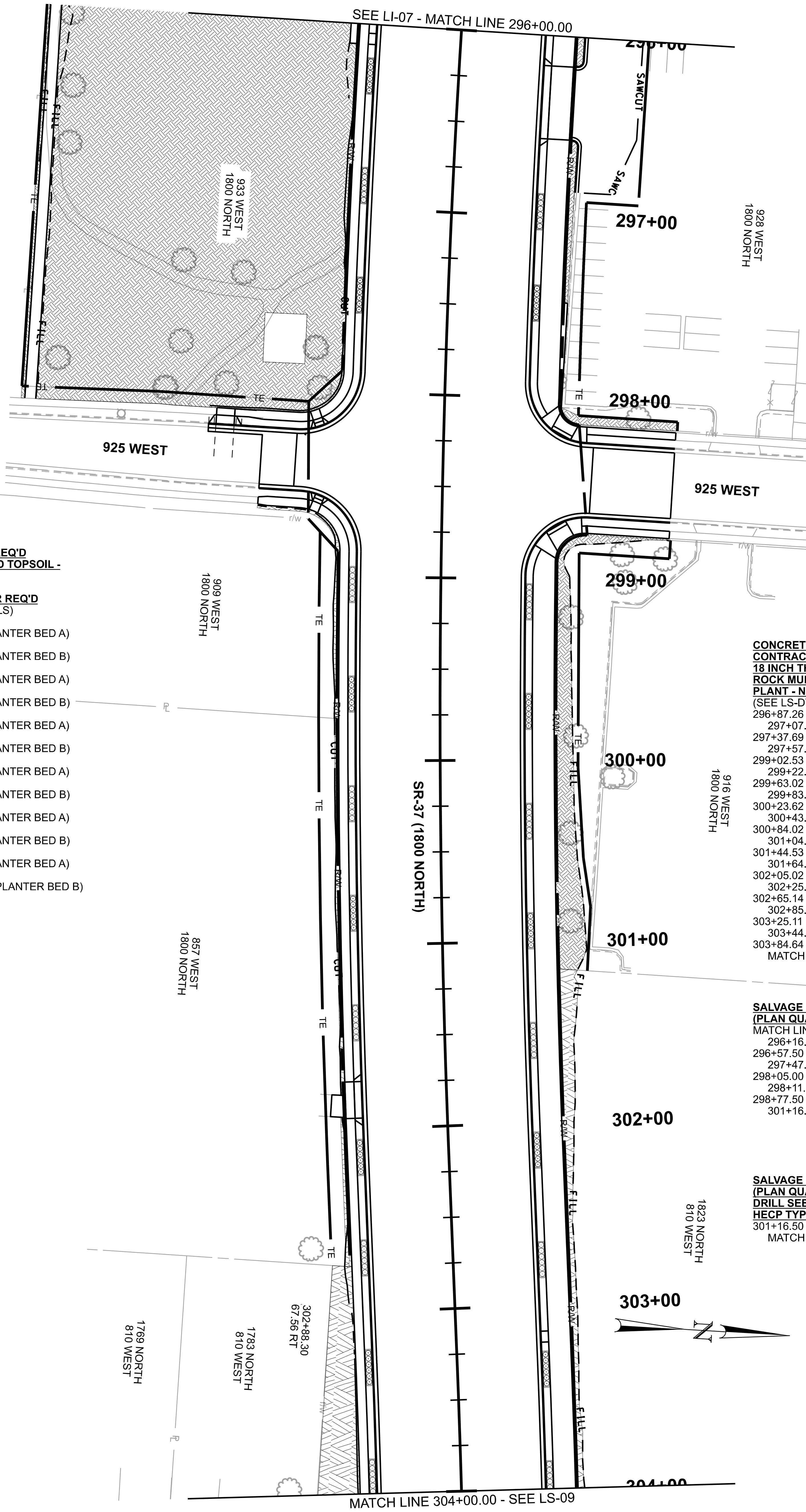
SHEET NO. LS-07A

EXHIBIT A

30-APR-2024 DGN File:pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682_I-15_1800_NORTH_INTERCHANGE/Landscape/15682_LS-08-14_1800N_Seg2_&_Seg3.dgn

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D
DRILL SEED REQ'D
HECP TYPE 1 REQ'D



CONCRETE CURB WALL REQ'D
CONTRACTOR FURNISHED TOPSOIL -
18 INCH THICK REQ'D
ROCK MULCH REQ'D
PLANT - NO. 5 CONTAINER REQ'D
(SEE LS-DT-02 FOR DETAILS)
296+18.12 RT 50.50 TO
296+37.96 RT 50.50 (PLANTER BED A)
296+77.65 RT 50.50 TO
296+97.48 RT 50.50 (PLANTER BED B)
297+37.19 RT 50.50 TO
297+57.02 RT 50.50 (PLANTER BED A)
298+94.32 RT 50.50 TO
299+14.16 RT 50.50 (PLANTER BED B)
299+53.80 RT 50.50 TO
299+73.63 RT 50.50 (PLANTER BED A)
300+13.29 RT 50.50 TO
300+33.12 RT 50.50 (PLANTER BED B)
300+72.78 RT 50.50 TO
300+92.61 RT 50.50 (PLANTER BED A)
301+32.26 RT 50.50 TO
301+52.10 RT 50.50 (PLANTER BED B)
302+05.40 RT 50.50 TO
302+25.29 RT 50.50 (PLANTER BED A)
302+60.29 RT 50.50 TO
302+80.29 RT 50.50 (PLANTER BED B)
303+20.29 RT 50.50 TO
303+40.43 RT 50.50 (PLANTER BED A)
303+80.75 RT 50.50 TO
MATCH LINE RT 50.50 (PLANTER BED B)

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
MATCH LINE RT 220.00 TO
298+08.00 RT 224.00
MATCH LINE RT 227.00 TO
298+08.00 RT 232.00

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
DRILL SEED REQ'D
HECP TYPE 1 REQ'D
298+63.50 RT 101.00 TO
301+81.00 RT 58.00
301+93.00 RT 58.50 TO
MATCH LINE RT 79.00

CONCRETE CURB WALL REQ'D
CONTRACTOR FURNISHED TOPSOIL -
18 INCH THICK REQ'D
ROCK MULCH REQ'D
PLANT - NO. 5 CONTAINER REQ'D
(SEE LS-DT-02 FOR DETAILS)
296+87.26 LT 50.50 TO
297+07.43 LT 50.50 (PLANTER BED B)
297+37.69 LT 50.50 TO
297+57.86 LT 50.50 (PLANTER BED A)
299+02.53 LT 50.50 TO
299+22.70 LT 50.50 (PLANTER BED B)
299+63.02 LT 50.50 TO
299+83.19 LT 50.50 (PLANTER BED A)
300+23.62 LT 50.50 TO
300+43.79 LT 50.50 (PLANTER BED B)
300+84.02 LT 50.50 TO
301+04.19 LT 50.50 (PLANTER BED A)
301+44.53 LT 50.50 TO
301+64.70 LT 50.50 (PLANTER BED B)
302+05.02 LT 50.50 TO
302+25.14 LT 50.50 (PLANTER BED A)
302+65.14 LT 50.50 TO
302+85.14 LT 50.50 (PLANTER BED B)
303+25.11 LT 50.50 TO
303+44.94 LT 50.50 (PLANTER BED A)
303+84.64 LT 50.50 TO
MATCH LINE LT 50.50 (PLANTER BED B)

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
MATCH LINE LT 68.00 TO
296+16.00 LT 68.00
296+57.50 LT 64.00 TO
297+47.00 LT 65.50
298+05.00 LT 64.00 TO
298+11.00 LT 128.00
298+77.50 LT 125.50 TO
301+16.50 LT 74.00

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
DRILL SEED REQ'D
HECP TYPE 1 REQ'D
301+16.50 LT 74.00 TO
MATCH LINE LT 67.50

NOTES:
1. SEE RD SHEETS FOR STAMPED CONCRETE REQUIREMENTS

PROJECT	I-15; 1800 NORTH INTERCHANGE		
PROJECT NUMBER	S-I15-8(157)336	PIN	15682
	LANDSCAPE		

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

APPROVED

PROFESSIONAL ENGINEER — 4/30/2024 DATE

DRAWN BY JBW
QC CHECKED BY SRP

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

SHEET NO. LS-08

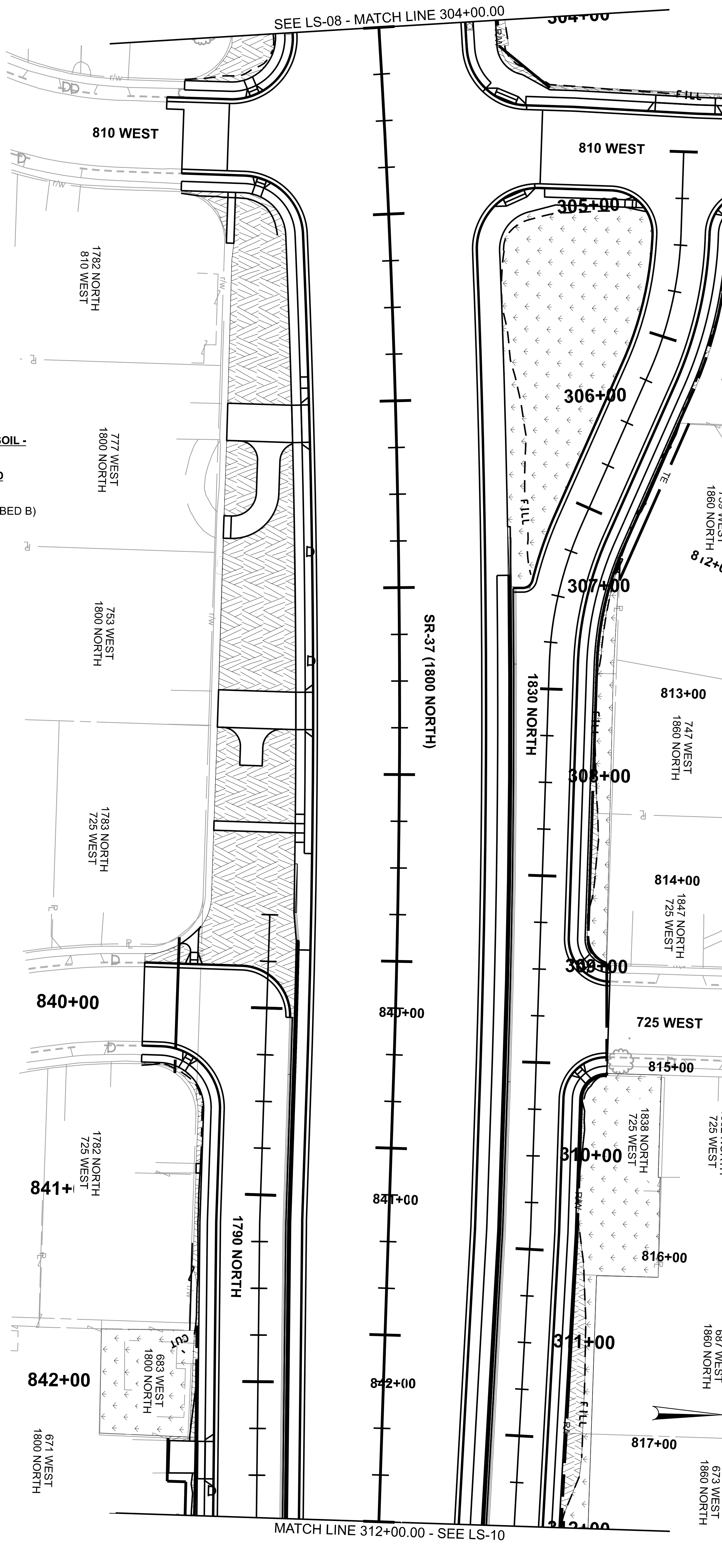
EXHIBIT A

30-APR-2024 DGN File:pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682_I-15_1800_NORTH_INTERCHANGE/Landscape/15682_LS-08-14_1800N_Seg2_&_Seg3.dgn

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D
DRILL SEED REQ'D
HECP TYPE 1 REQ'D

DRILL SEED REQ'D
HECP TYPE 1 REQ'D
SCARIFY AND GRADE SURFACE REQ'D



CONCRETE CURB WALL REQ'D
CONTRACTOR FURNISHED TOPSOIL - 18 INCH THICK REQ'D
ROCK MULCH REQ'D
PLANT - NO. 5 CONTAINER REQ'D
(SEE LS-DT-02 FOR DETAILS)
MATCH LINE RT 50.50 TO
304+00.92 RT 50.50 (PLANTER BED B)

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
DRILL SEED REQ'D
HECP TYPE 1 REQ'D
MATCH LINE RT 79.00 TO
304+25.00 RT 81.00
304+82.00 RT 110.00 TO
305+12.00 RT 87.00
304+84.50 RT 81.00 TO
305+99.00 RT 90.00
306+19.00 RT 91.00 TO
306+60.00 RT 93.00
306+21.50 RT 55.50 TO
307+54.50 RT 97.00
307+75.00 RT 97.50 TO
308+26.00 RT 99.00
308+31.00 RT 99.00 TO
309+32.00 RT 56.00
308+93.50 RT 116.50 TO
308+99.00 RT 135.00
840+32.00 RT 66.00 TO
840+84.50 RT 35.00
840+89.50 RT 35.00 TO
842+32.00 RT 47.00
842+49.50 RT 35.00 TO
MATCH LINE RT 35.00

DRILL SEED REQ'D
HECP TYPE 1 REQ'D
SCARIFY AND GRADE SURFACE REQ'D
841+72.50 RT 84.00 TO
842+28.50 RT 84.00

CONCRETE CURB WALL REQ'D
CONTRACTOR FURNISHED TOPSOIL - 18 INCH THICK REQ'D
ROCK MULCH REQ'D
PLANT - NO. 5 CONTAINER REQ'D
(SEE LS-DT-02 FOR DETAILS)
MATCH LINE LT 50.50 TO
304+04.47 LT 50.50 (PLANTER BED B)

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
810+30.50 LT 38.00 TO
810+58.00 LT 26.00

SALVAGE TOPSOIL
(PLAN QUANTITY) REQ'D
DRILL SEED REQ'D
HECP TYPE 1 REQ'D
MATCH LINE LT 67.50 TO
304+47.00 LT 200.00
810+42.00 LT 25.50 TO
814+47.00 LT 38.00
815+06.00 LT 38.00 TO
MATCH LINE LT 25.00

DRILL SEED REQ'D
HECP TYPE 1 REQ'D
SCARIFY AND GRADE SURFACE REQ'D
305+05.00 LT 138.00 TO
307+01.00 LT 70.00
812+21.00 LT 26.00 TO
814+46.00 LT 36.00
815+04.50 LT 67.00 TO
MATCH LINE LT 39.50

NOTES:
1. SEE RD SHEETS FOR STAMPED CONCRETE REQUIREMENTS

PROJECT	I-15; 1800 NORTH INTERCHANGE		
PROJECT NUMBER	S-I15-8(157)336	PIN	15682
	LANDSCAPE		

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

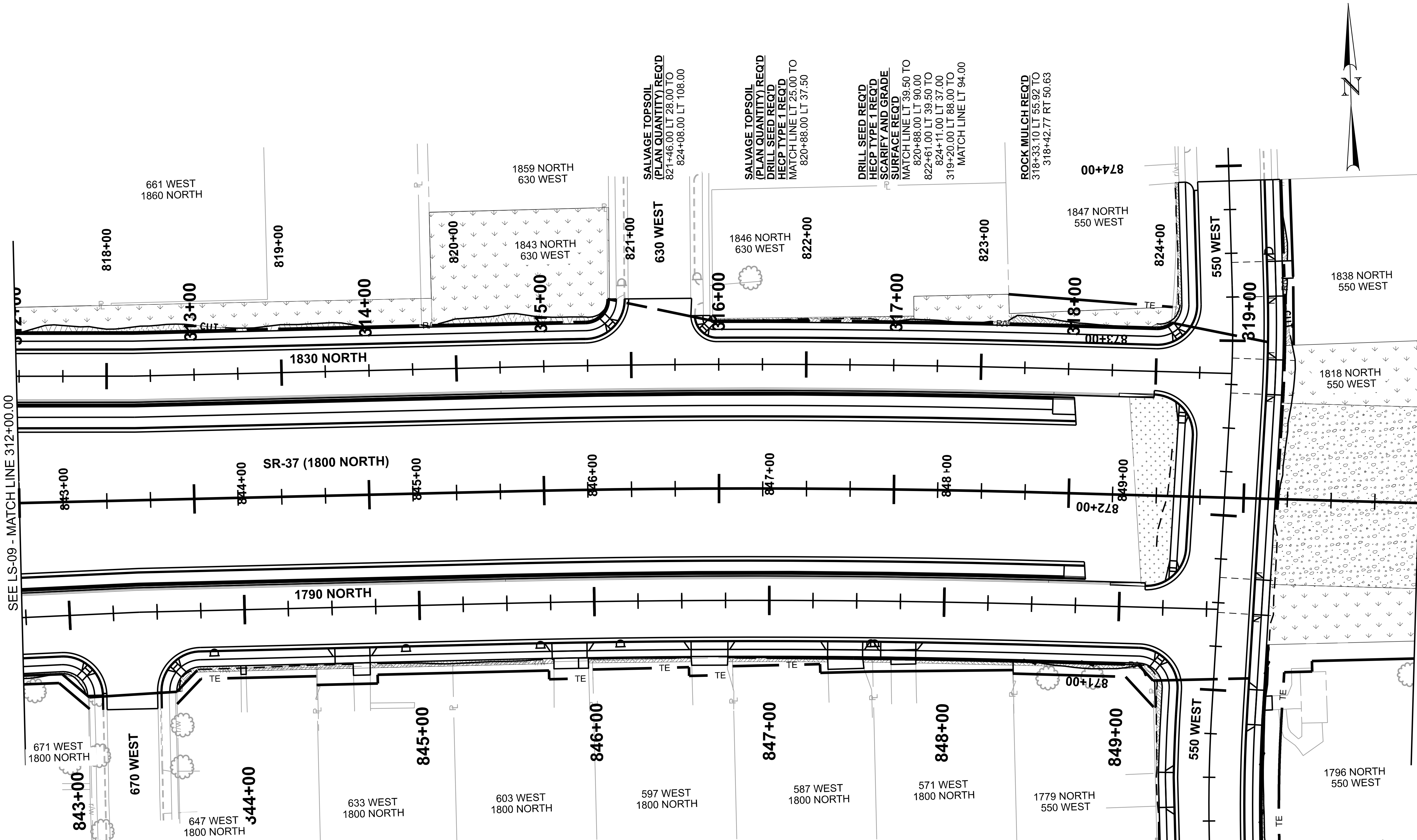
APPROVED		DRAWN BY	JBW
PROFESSIONAL ENGINEER	4/30/2024 DATE	QC CHECKED BY	SRP

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

SHEET NO. LS-09

EXHIBIT A



	UNTREATED BASE COURSE (PLAN QUANTITY) REQ'D (4") (SEE RD SHEET FOR CALLOUTS)
	ROCK MULCH REQ'D
	SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D
	SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D DRILL SEED REQ'D HECP TYPE 1 REQ'D
	DRILL SEED REQ'D HECP TYPE 1 REQ'D SCARIFY AND GRADE SURFACE REQ'D

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D
843+63.00 RT 46.00 TO
843+97.00 RT 35.00
844+00.00 RT 35.00 TO
844+62.00 RT 35.00
845+71.00 RT 35.00 TO
844+76.00 RT 35.00
845+96.00 RT 35.00 TO
846+55.00 RT 35.00
846+76.00 RT 35.00 TO
847+34.00 RT 35.00
847+54.00 RT 35.00 TO
847+70.00 RT 35.00
847+84.00 RT 35.00 TO
849+24.00 RT 94.00
870+12.00 RT 32.00 TO
870+90.00 RT 30.00
871+28.00 RT 30.50 TO
870+98.00 RT 30.00
872+98.00 RT 34.50 TO
873+35.00 RT 32.00
873+45.00 RT 32.00 TO
873+91.50 RT 29.00

SALVAGE TOPSOIL (PLAN QUANTITY) REQ'D
DRILL SEED REQ'D
HECP TYPE 1 REQ'D
MATCH LINE RT 35.00 TO
843+07.00 RT 46.00

DRILL SEED REQ'D
HECP TYPE 1 REQ'D
SCARIFY AND GRADE SURFACE REQ'D
319+15.00 RT 83.50 TO
MATCH LINE RT 77.00

NOTES:
1. SEE RD SHEETS FOR STAMPED CONCRETE REQUIREMENTS

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

DRAWN BY	JBW
QC CHECKED BY	SRP
DATE	4/30/2024
APPROVED	PROFESSIONAL ENGINEER
PROJECT	I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER	S-I15-8(157)336
PIN	15682
	LANDSCAPE
SHEET NO.	LS-10

30-APR-2024

EXHIBIT B

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER / MODEL / DESCRIPTION
	Drip Control Zone Kit Hunter ICZ-101-40-LF. 1" ICV Glove Valve with 1" HY100 filter system. Pressure Regulation: 40 psi. Flow Range: .5 GPM - 15 GPM. 150 mesh stainless steel screen.
F	Netafim TLSOV Netafim TLSOV- For tree grates install in 9" round Fiberlyte composite box in parkstrip concrete 18" away from tree grate and sidewalk. For raised planters install in 6" round valve box inside raised planter. Install one shutoff valve at the end of each drip line run. Install with adequate blank tubing to extend out of valve box.
	Shrub Drip Watering System Shrub bed drip irrigation layout. See Irrigation details.
	Tree Ring Drip System Tree watering system see Irrigation details.
	Area to Receive Drip Emitters Hunter HE-B Point Source Drip Emitter with Self Piercing Barb. Color coded emitters for flow rates of 0.5 GPH, 1.0 GPH, 2.0 GPH, 4.0 GPH, and 6.0 GPH. Can be inserted into 1/2in. and 3/4in. tubing and have pressure compensating from 15 PSI-50 PSI. Optional diffuser cap (HE) available. Emitter Notes: 05 emitters (1 assigned to each 1 gal plant) 10 emitters (1 assigned to each 5 gal plant) 20 emitters (3 assigned to each 1.5" CAL plant)
	Leemco L2 Quick Coupler with LS-120 QC Stabilizer
	Isolation Valve (Line Size) Matco-Norca 514TX (or approved equal). 1/2"-4" Brass Gate Valve, Full Port, with Solid Wedge. IPS. Cross Handle. Same size as mainline pipe.
D	Manual Drain Valve. See detail.
BF BF2 BF3 BF4	Zurn 375 3/4" Reduced Pressure Principle Assembly. Sizes 1/2in., 3/4in., 1in., 1-1/4in., 1-1/2in., 2in..
C1 C2 C3 C4 C5	Hunter NODE-100 Single Station Controller, Outdoor, Battery Powered. DC Latching Solenoid Included.
04	Water Meter 1" See Utility plans for type and location
EX2	Existing 1" Mainline Connect new valves into existing 1" irrigation mainline. Coordinate with Clinton City and field verify exact location. Wire new valves into existng park irrigation controller. Coordinate with Clinton City for wire type and location.
EX1	Existing 2" Mainline Connect new valve into existing 2" irrigation mainline. Coordinate with Clinton City and field verify exact location.
01	Point of Connection 3/4". See Utility plans for type and location.
02	Point of Connection 3/4". See Utility plans for type and location.
03	Point of Connection 3/4". See Utility plans for type and location.
	Irrigation Lateral Line: PVC Schedule 40
	Irrigation Mainline: PVC Schedule 40
	Pipe Sleeve: PVC Class 200 SDR 21 Minimum 4" or twice the nominal size of the pipe inside.

Valve Callout
— Valve Number
— Valve Flow
#" — Valve Size

IRRIGATION SCHEDULE SUNSET CITY

SYMBOL	MANUFACTURER / MODEL / DESCRIPTION
	Drip Control Zone Kit Hunter ICZ-101-40-LF. 1" ICV Glove Valve with 1" HY100 filter system. Pressure Regulation: 40 psi. Flow Range: .5 GPM - 15 GPM. 150 mesh stainless steel screen.
F	Netafim TLSOV Netafim TLSOV- For tree grates install in 9" round Fiberlyte composite box in parkstrip concrete 18" away from tree grate and sidewalk. For raised planters install in 6" round valve box inside raised planter. Install one shutoff valve at the end of each drip line run. Install with adequate blank tubing to extend out of valve box.
	Tree Ring Drip System Tree watering system see Irrigation details.
	Area to Receive Drip Emitters Hunter HE-B Point Source Drip Emitter with Self Piercing Barb. Color coded emitters for flow rates of 0.5 GPH, 1.0 GPH, 2.0 GPH, 4.0 GPH, and 6.0 GPH. Can be inserted into 1/2in. and 3/4in. tubing and have pressure compensating from 15 PSI-50 PSI. Optional diffuser cap (HE) available. Emitter Notes: 05 emitters (1 assigned to each 1 gal plant) 10 emitters (1 assigned to each 5 gal plant) 20 emitters (3 assigned to each 1.5" CAL plant)
	Leemco L2 Quick Coupler with LS-120 QC Stabilizer
	Isolation Valve (Line Size) Matco-Norca 514TX (or approved equal). 1/2"-4" Brass Gate Valve, Full Port, with Solid Wedge. IPS. Cross Handle. Same size as mainline pipe.
D	Manual Drain Valve. See detail.
BF3 BF4	Zurn 375 3/4" Reduced Pressure Principle Assembly. Sizes 1/2in., 3/4in., 1in., 1-1/4in., 1-1/2in., 2in..
C4 C5	Hunter NODE-100 Single Station Controller, Outdoor, Battery Powered. DC Latching Solenoid Included.
04	Water Meter 1" See Utility plans for type and location
03	Point of Connection 3/4". See Utility plans for type and location.
	Irrigation Lateral Line: PVC Schedule 40
	Irrigation Mainline: PVC Schedule 40
	Pipe Sleeve: PVC Class 200 SDR 21 Minimum 4" or twice the nominal size of the pipe inside.

Valve Callout
— Valve Number
— Valve Flow
#" — Valve Size

IRRIGATION SCHEDULE CLINTON CITY

SYMBOL	MANUFACTURER / MODEL / DESCRIPTION
	Drip Control Zone Kit Hunter ICZ-101-40-LF. 1" ICV Glove Valve with 1" HY100 filter system. Pressure Regulation: 40 psi. Flow Range: .5 GPM - 15 GPM. 150 mesh stainless steel screen.
F	Netafim TLSOV Netafim TLSOV- For tree grates install in 9" round Fiberlyte composite box in parkstrip concrete 18" away from tree grate and sidewalk. For raised planters install in 6" round valve box inside raised planter. Install one shutoff valve at the end of each drip line run. Install with adequate blank tubing to extend out of valve box.
	Shrub Drip Watering System Shrub bed drip irrigation layout. See Irrigation details.
	Leemco L2 Quick Coupler with LS-120 QC Stabilizer
	Isolation Valve (Line Size) Matco-Norca 514TX (or approved equal). 1/2"-4" Brass Gate Valve, Full Port, with Solid Wedge. IPS. Cross Handle. Same size as mainline pipe.
D	Manual Drain Valve. See detail.
BF BF2	Zurn 375 3/4" Reduced Pressure Principle Assembly. Sizes 1/2in., 3/4in., 1in., 1-1/4in., 1-1/2in., 2in..
C1 C2 C3	Hunter NODE-100 Single Station Controller, Outdoor, Battery Powered. DC Latching Solenoid Included.
EX2	Existing 1" Mainline Connect new valves into existing 1" irrigation mainline. Coordinate with Clinton City and field verify exact location. Wire new valves into existng park irrigation controller. Coordinate with Clinton City for wire type and location.
EX1	Existing 2" Mainline Connect new valve into existing 2" irrigation mainline. Coordinate with Clinton City and field verify exact location.
01	Point of Connection 3/4". See Utility plans for type and location.
02	Point of Connection 3/4". See Utility plans for type and location.
	Irrigation Lateral Line: PVC Schedule 40
	Irrigation Mainline: PVC Schedule 40
	Pipe Sleeve: PVC Class 200 SDR 21 Minimum 4" or twice the nominal size of the pipe inside.

Valve Callout
— Valve Number
— Valve Flow
#" — Valve Size

IRRIGATION SCHEDULE INTERCHANGE

SYMBOL	MANUFACTURER / MODEL / DESCRIPTION
F	Netafim TLSOV Netafim TLSOV- For tree grates install in 9" round Fiberlyte composite box in parkstrip concrete 18" away from tree grate and sidewalk. For raised planters install in 6" round valve box inside raised planter. Install one shutoff valve at the end of each drip line run. Install with adequate blank tubing to extend out of valve box.
	Area to Receive Drip Emitters Hunter HE-B Point Source Drip Emitter with Self Piercing Barb. Color coded emitters for flow rates of 0.5 GPH, 1.0 GPH, 2.0 GPH, 4.0 GPH, and 6.0 GPH. Can be inserted into 1/2in. and 3/4in. tubing and have pressure compensating from 15 PSI-50 PSI. Optional diffuser cap (HE) available. Emitter Notes: 05 emitters (1 assigned to each 1 gal plant) 10 emitters (1 assigned to each 5 gal plant) 20 emitters (3 assigned to each 1.5" CAL plant)
	Irrigation Lateral Line: PVC Schedule 40
	Pipe Sleeve: PVC Class 200 SDR 21 Minimum 4" or twice the nominal size of the pipe inside.

Valve Callout
— Valve Number
— Valve Flow
#" — Valve Size

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

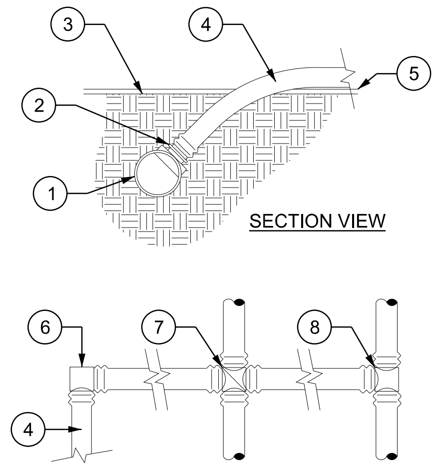
UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

DRAWN BY JBW
QC CHECKED BY SRP
DATE 4/29/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
IRRIGATION DETAILS
SHEET NO. LI-DT-01

DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Landscape/15682_LI-DT-01.dgn
29-APR-2024

EXHIBIT B

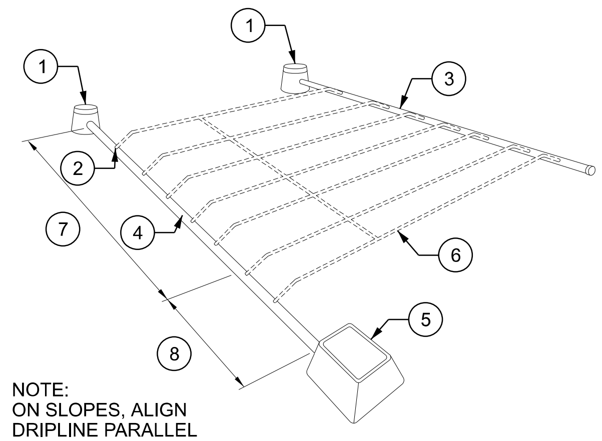


SECTION VIEW

PLAN VIEW

1. 1 1/2" PVC HEADER
2. NETAFIM TLIAPVC CONNECTION
3. PLANTING BED FINISHED GRADE
4. DRIPLINE / BLANK TUBING
5. WEED BARRIER FABRIC
6. ELBOW
7. CROSS
8. TEE

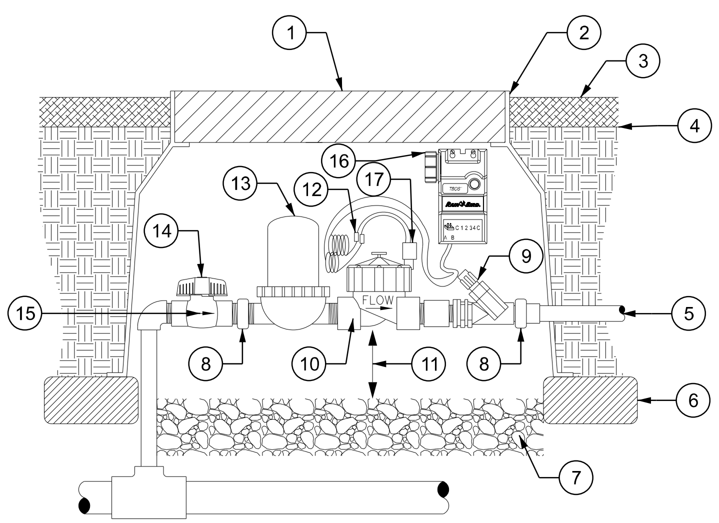
DRIPLINE CONNECTIONS



NOTE:
ON SLOPES, ALIGN DRIPLINE PARALLEL TO THE CONTOURS OF THE SLOPE.

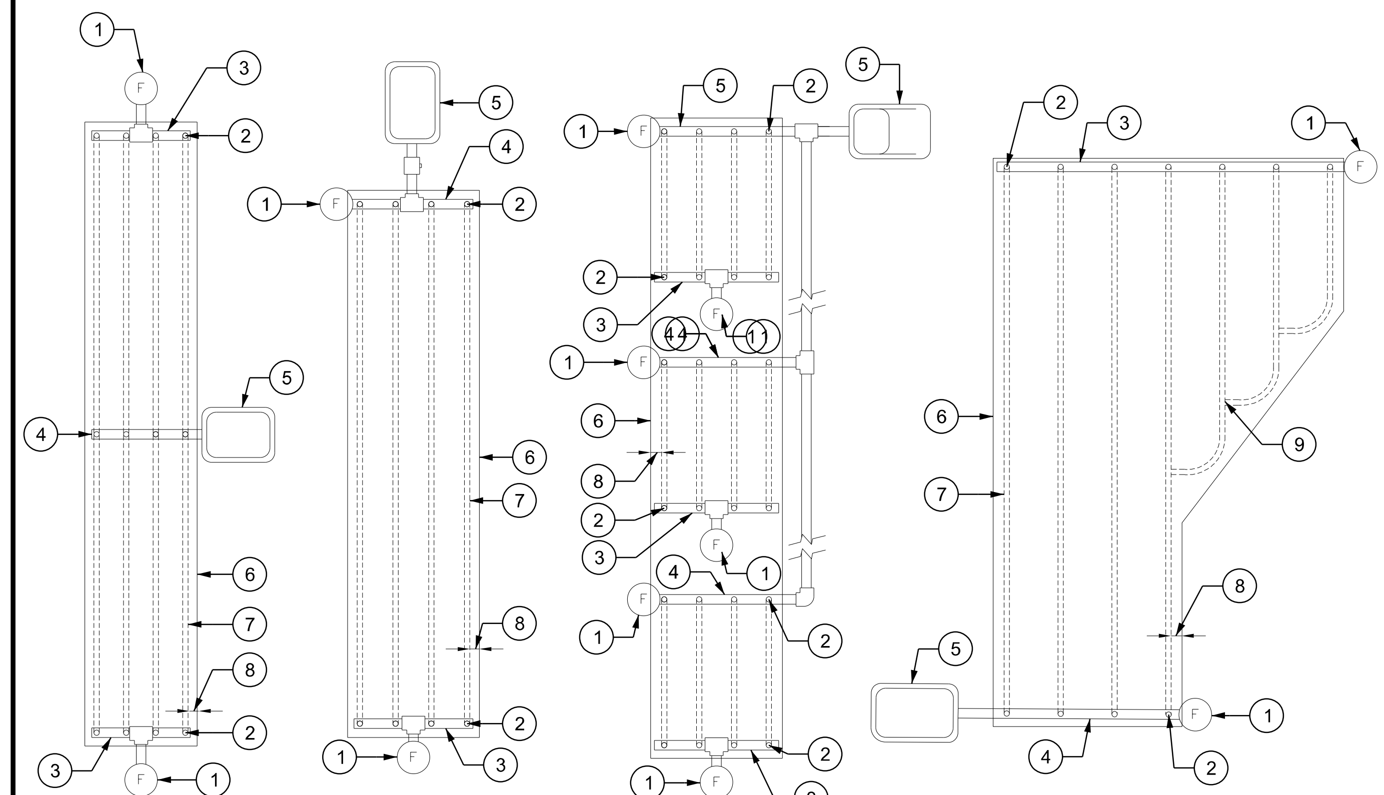
1. MANUAL FLUSH VALVE PLUMBED TO PVC IN LOWEST POINT
2. NETAFIM TLIAPVC CONNECTOR
3. 1 1/2" PVC EXHAUST HEADER (SEE NOTES FOR DEPTH)
4. 1 1/2" PVC SUPPLY HEADER (SEE NOTES FOR DEPTH)
5. REMOTE CONTROL VALVE ASSEMBLY
6. DRIPLINE TUBING LATERAL - INSTALL AT GRADE UNDER MULCH AND ON TOP OF FABRIC (IF FABRIC IS USED)
7. ON SLOPES, USE THE SPECIFIED DRIPLINE SPACING ON THE TOP 2/3 OF THE SLOPE
8. ON SLOPES, USE THE SPECIFIED DRIPLINE SPACING PLUS 25% ON THE BOTTOM 1/3 OF SLOPE

DRIPLINE CIRCUIT LAYOUT



1. 18" JUMBO COMPOSITE VALVE BOX W/ BOLT LOCK (OLDCASTLE FIBRELYTE OR APPROVED EQUAL)
2. 1" MAX. CLEARANCE
3. PLANTING BED MULCH - SEE PLANTING NOTES FOR DEPTH
4. FINISHED GRADE
5. PVC SUPPLY HEADER
6. CONCRETE PAVERS ONLY
7. 4" MIN. PEA GRAVEL
8. ACTION UNION - PART 18010-XX, PART 18011-XX, PART 18012
9. INLINE PRESSURE REGULATOR
10. ELECTRIL CONTROL VALVE - SEE IRRIGATION EQUIPMENT SCHEDULE
11. 2" MIN. CLEARANCE
12. (2) 3M DBR/Y WATER TIGHT WIRE CONNECTORS
13. INLINE 1" FILTER
14. PVC BALL VALVE
15. FLOW FROM PVC MAIN LINE
16. BATTERY OPERATED CONTROLLER OR IRRIGATION WIRING TO EXISTING CONTROLLER - SEE IRRIGATION PLANS AND SCHEDULE
17. DC LATCHING SOLENOID

RAIN BIRD TBOS/DRIP ZONE CONTROL VALVE ASSEMBLY



CENTER FEED LAYOUT | END FEED LAYOUT | ISLAND LAYOUT | IRREGULAR LAYOUT

1. MANUAL FLUSH VALVE PLUMBED TO PVC IN LOWEST POINT
2. NETAFIM TLIAPVC CONNECTOR
3. 1 1/2" PVC EXHAUST HEADER
4. 1 1/2" PVC SUPPLY HEADER
5. REMOTE CONTROL VALVE ASSEMBLY
6. AREA PERIMETER
7. DRIPLINE TUBING LATERAL
8. PERIMETER DRIPLINE TUBING LATERALS 2" TO 4" FROM EDGE
9. DRIPLINE TEE

INLINE DRIP LAYOUTS (TYP.)

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

J-U-B ENGINEERS, INC.

DRAWN BY: JBW

QC CHECKED BY: SRP

DATE: 4/29/2024

APPROVED

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER: S-I15-8(157)336

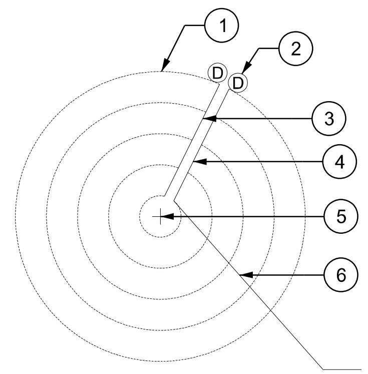
PIN: 15682

IRRIGATION DETAILS

SHEET NO. LI-DT-02

29-APR-2024

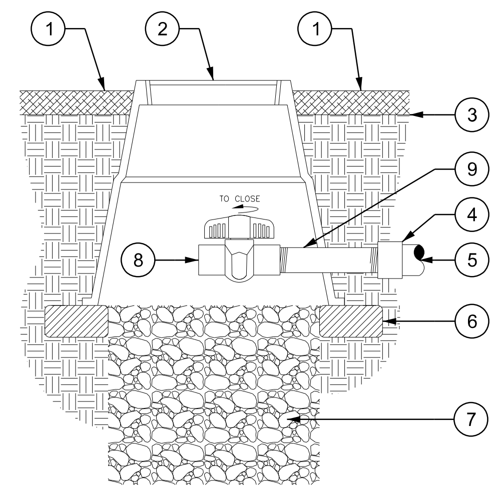
EXHIBIT B



1. DRIPLINE TUBING TLHCVXR5-CS-12 - ATTACH TO HEADERS USING INSERT ADAPTOR W/ GROMMET*. USE NUMBER OF RINGS AS APPROPRIATE FOR AREA AVAILABLE.***
2. DRIP FLUSH VALVE**
3. 1 1/2" EXHAUST HEADER
4. 1 1/2" SUPPLY HEADER
5. TREE CENTER
6. LATERAL LINE SUPPLY

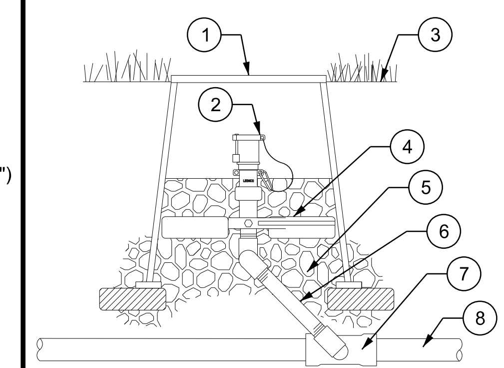
NOTES:
*NETAFIM #TLIAPVC-B
**LOCATE DRAINS AT END OF HEADERS WHICH ARE THE LOWEST POINT OF TREE RING
***FIRST RING TO BE 18" RADIUS CENTERED ON TREE TRUNK. SPACE ADDTIONAL RINGS EVERY 12". STAKE DRIPLINE EVERY 2 L.F. MIN.

DRIP TREE RING



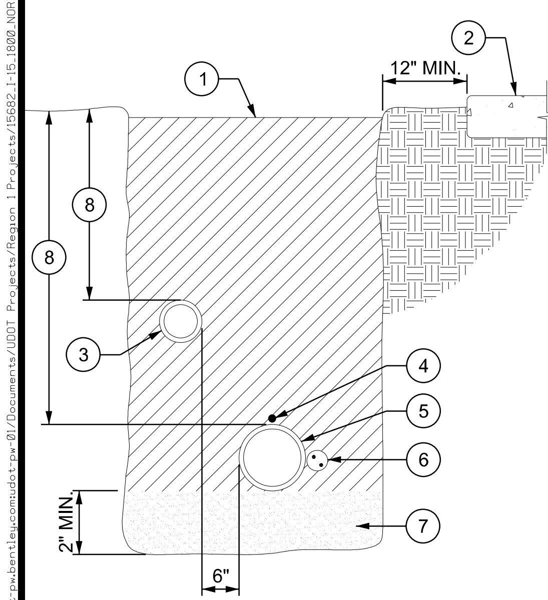
1. PLANTING BED MULCH - SEE PLANTING NOTES FOR DEPTH
2. 8" ROUND GREEN PLASTIC VALVE BOX (CARSON OR APPROVED EQUAL) FLUSH WITH MULCH GRADE
3. FINISHED GRADE
4. PVC REDUCER BUSHING (SP X 1/2") FIPT - SIZE AS REQUIRED
5. PVC EXHAUST HEADER
6. CONCRETE PAVERS ONLY
7. 1 C.F. WASHED PEA GRAVEL
8. FLUSH VALVE. SEE IRRIGATION SCHEDULE
9. 1/2" X 6" (SCH. 80 PVC) NIPPLE TBE

DRIP FLUSH VALVE (PLUMBED TO PVC EXHAUST HEADER)



1. 10" ROUND GREEN PLASTIC VALVE BOX W/ BOLT LOCK (OLDCASTLE FIBRELYTE OR APPROVED EQUAL)
2. LEEMCO L2 QUICK COUPLER VALVE
3. FINISH GRADE
4. LEEMCO LS-120 QUICK COUPLER STABILIZER
5. 6" MIN. DEPTH CLEAN PEA GRAVEL
6. 12" LASCO UNITIZED SWING JOINT W/ BRASS INSERT STABILIZER ELBOW OR 12" SPEARS SWING JOINT RISER ASSEMBLY W/ BRASS FEMALE THREAD 90 DEGREE ELL OUTLET
7. SERVICE TEE USE APPROPRIATE FITTING TYPES FOR PIPE SIZE (SIZE PER MAINLINE)
8. PVC MAIN LINE

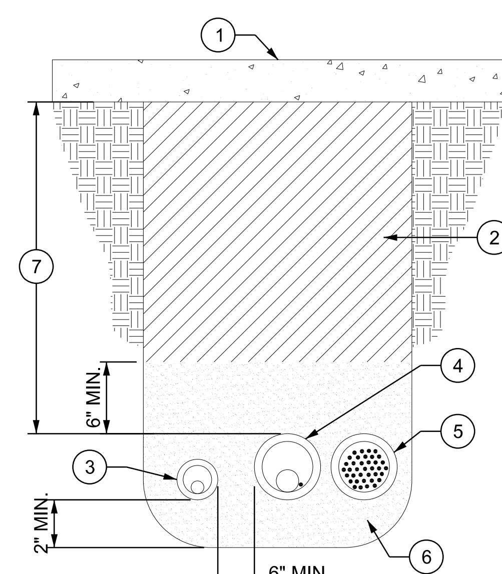
LEEMCO L2 QUICK COUPLING VALVE ASSEMBLY



1. BACKFILL MATERIAL - SEE NOTES, COMPACT TO 90% MDD
2. ADJACENT HARD SURFACE
3. NON-PRESSURE LATERAL LINE
4. MAIN LINE LOCATOR WIRE; BURIED WITH ALL MAIN LINES
5. PVC MAIN LINE
6. DIRECT BURIAL, LOW VOLTAGE CONTROL WIRES; TO BE BURIED AND TAPED AT 10' INCRENENTS. LOCATE DIRECTLY ADJACENT TO MAIN LINE.
7. BEDDING MATERIAL - SEE NOTES
8. PIPE DEPTHS - SEE NOTES

NOTE: SEE SLEEVING DETAIL FOR TRENCHING IN PAVED AREAS.

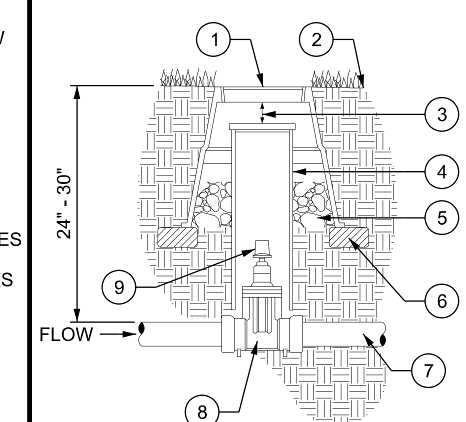
LANDSCAPED AREA TRENCH DETAIL



1. HARDSCAPE SURFACE - SEE PLANS
2. GRANULAR BACKFILL BORROW
3. LATERAL LINE WITH SLEEVE
4. PVC MAIN LINE AND LOCATOR WIRE WITH SLEEVE
5. CONTROL WIRE SLEEVE - SEE PLANS FOR SIZE
6. BEDDING MATERIAL - SEE NOTES
7. MIN. COVER - 12" UNDER WALKS AND 18" UNDER STREETS

NOTES:
1. SLEEVES 4" AND SMALLER USE PVC SCHEDULE 40 PIPE.
2. SLEEVES LARGER THAN 4" USE PVC CLASS 200.
3. ALL SLEEVES SHALL BE TWO (2) TIMES LARGER THAN THE DIAMETER OF THE PIPE BEING SLEEVED, UNLESS NOTED OTHERWISE ON THE PLANS.
4. INSTALL SLEEVES AT A DEPTH SUFFICIENT TO AVOID CONFLICT WITH OTHER UTILITIES AND MAINS.

HARDSCAPE TRENCH DETAIL



1. 10" ROUND PLASTIC VALVE BOX W/ BOLT LOCK (OLDCASTLE FIBRELYTE OR APPROVED EQUAL, MARKED "G.V." IN 2" WHITE LETTERS)
2. FINISHED GRADE
3. 3" MIN. CLEARANCE
4. 4" PVC SCHEDULE 40 PIPE SLEEVE (NOT TO FIT PIPE), CAPPED BY CAM LOCK SNUG CAP
5. 3"-4" DEPTH CLEAN PEA GRAVEL
6. CONCRETE PAVERS ONLY
7. PVC MAIN LINE
8. GATE VALVE - SEE IRRIGATION EQUIPMENT SCHEDULE
9. 2" SQUARE OPERATING NUT

ISOLATION GATE VALVE (PUSH-ON)

NO.	DATE	APPROVED BY	REVISIONS	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

DRAWN BY JBW
QC CHECKED BY SRP
DATE 4/29/2024
APPROVED
PROFESSIONAL ENGINEER

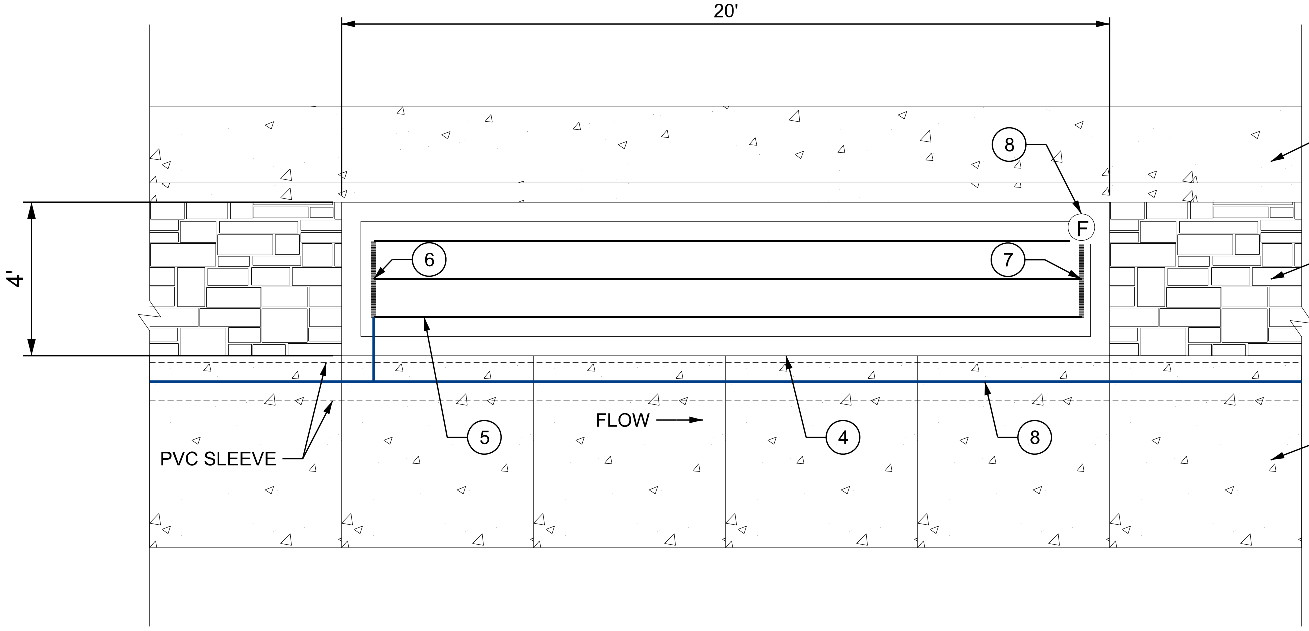
PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
IRRIGATION DETAILS

SHEET NO. LI-DT-03

29-APR-2024

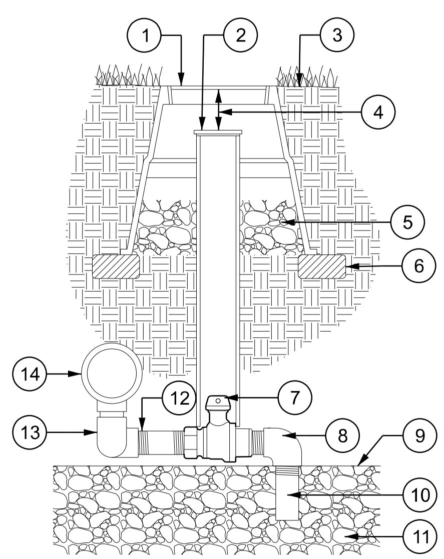
EXHIBIT B

(SR-37) 1800 NORTH



1. CURB AND GUTTER - SEE ROADWAY DESIGN PLANS
2. PARK STRIP - SEE ROADWAY DESIGN PLANS
3. SIDEWALK - SEE ROADWAY DESIGN PLANS
4. CONCRETE CURBWALL
5. NETAFIM TECHLINE HCVSR DRIPLINE - TLHCVXR5-CS-12. 12" EMITTER SPACING AND 12" ROW SPACING. USE DRIPLINE SOIL STAPLES PER MANUFACTURER SPECIFICATIONS
6. 1 1/2" PVC SUPPLY HEADER
7. 1 1/2" PVC EXHAUST HEADER
8. LATERAL LINE - SCHEDULE 40 PVC - SIZE PER PLANS
9. MANUAL FLUSH VALVE PLUMBED TO PVC SUPPLY/EXHAUST HEADER IN LOWEST POINT

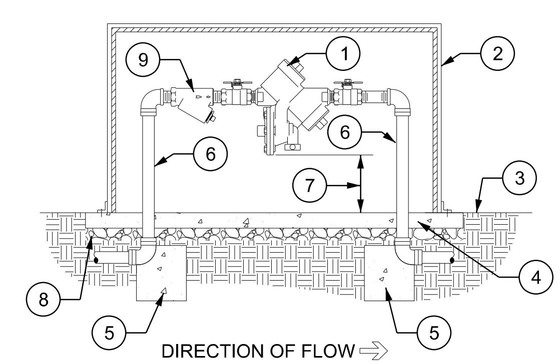
SHRUB DRIP WATERING SYSTEM



1. 10" ROUND GREEN PLASTIC VALVE BOX WITH BOLT LOCK (CARSON OR APPROVED EQUAL)
2. 4" PVC SCHEDULE 40 PIPE SLEEVE (NOTCH TO FIT PIPE), CAPPED BY YELLOW CAM LOCK SNUG CAP
3. FINISHED GRADE
4. 3" MIN. 6" MAX. CLEARANCE
5. 4" MIN. PEA GRAVEL
6. CONCRETE PAVERS ONLY
7. 3/4" VALVE - SEE IRRIGATION EQUIPMENT SCHEDULE
8. 3/4" 90 DEGREE STREET ELL
9. FILTER FABRIC COVERING SUMP
10. 3/4" X 6" PVC SCHEDULE 80 TOE NIPPLE
11. 3/4" GRAVEL SUMP - 6 C.F. MIN. SIZE
12. 3/4" X 12" PVC SCHEDULE 80 NIPPLE
13. (2) FIPT X FIPT 90 DEGREE ELL (2) 3/4" X CLOSE PVC NIPPLE
14. PVC MAIN LINE AND SERVICE TEE

NOTE: MAIN LINE SHALL GRAVITY DRAIN TO MANUAL DRAIN VALVE. MANUAL DRAIN VALVE SHALL BE PLACED IN ALL LOW SPOTS AND WHERE SHOWN ON THE PLAN.

MANUAL DRAIN VALVE ASSEMBLY



1. REDUCED PRESSURE BACKFLOW PREVENTION DEVICE WITH TWO (2) GATE VALVES - SEE IRRIGATION EQUIPMENT SCHEDULE FOR TYPE AND SIZE
2. BACKFLOW ENCLOSURE - SEE IRRIGATION EQUIPMENT SCHEDULE (INSTALL PER MANUFACTURER'S SPECIFICATIONS)
3. FINISHED GRADE
4. 4" THICK CONCRETE PAD (SIZE AS REQUIRED, EXTEND 6" BEYOND OUTSIDE DIMENSIONS OF ENCLOSURE)
5. CONCRETE THRUST BLOCK
6. FLANGE X FLANGE GALVANIZED SPOOL (TYP.) - SIZE AND LENGTH AS REQUIRED
7. 12" MIN. 30" MAX.
8. 4" MIN. DEPTH ROAD BASE COMPACTED TO 95% MDD
9. WYE-STRAINER - SIZE AS NEEDED

REDUCED PRESSURE BACKFLOW ASSEMBLY

NO.	DATE	APPROVED BY	REMARKS
REVISIONS			

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

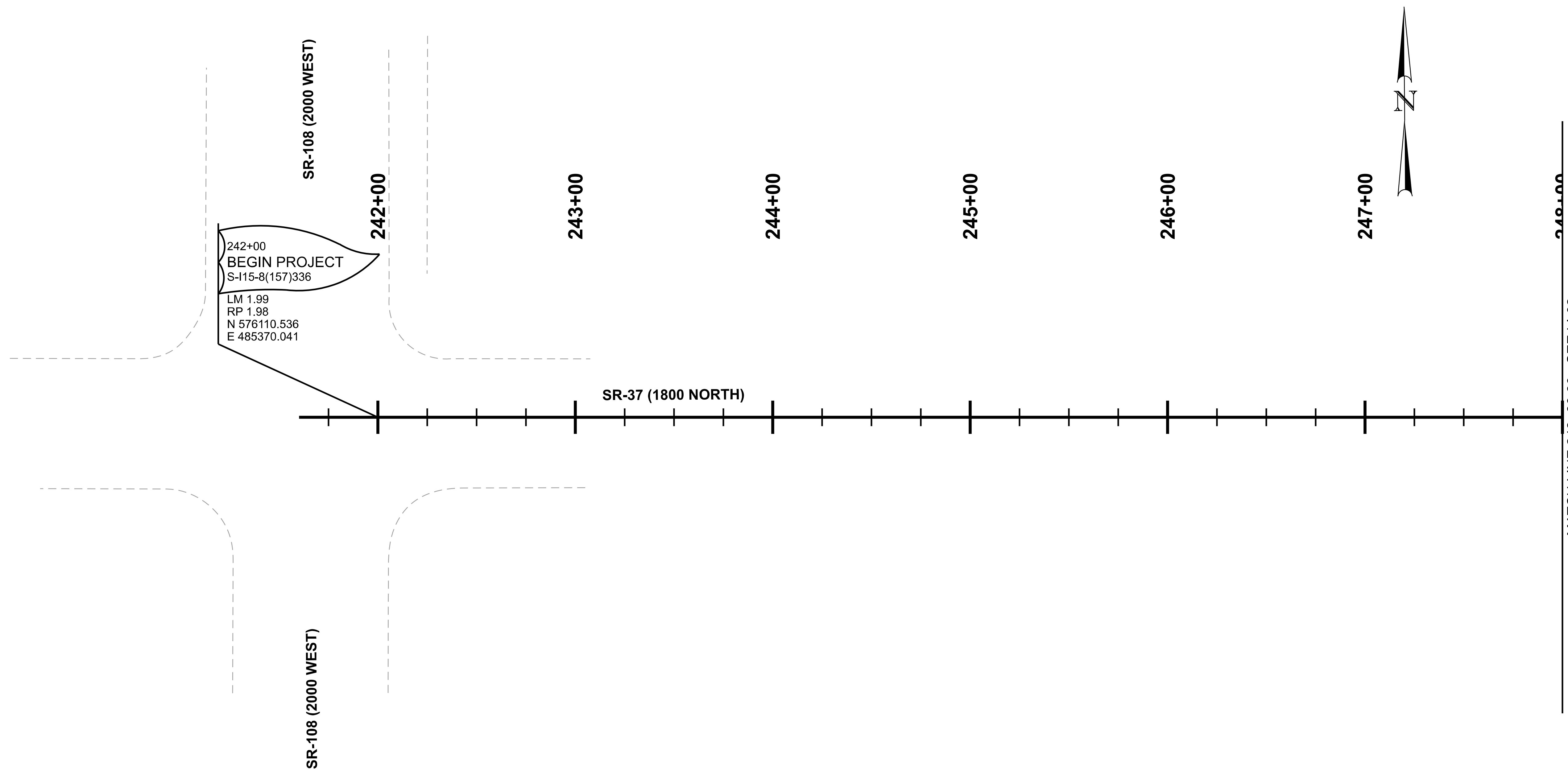
DRAWN BY: JBW
QC CHECKED BY: SRP
DATE: 4/29/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
IRRIGATION DETAILS

SHEET NO. LI-DT-04

29-APR-2024
DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682 I-15 1800 NORTH INTERCHANGE/Landscape/15682_LI-DT-04.dgn

EXHIBIT B



NO WORK THIS SHEET

NOTES:
1. THE SPRINKLER PLAN IS DIAGRAMATIC IN NATURE, AND SOME DRAFTING LIBERTIES HAVE BEEN TAKEN TO MAINTAIN THE GRAPHIC CLARITY OF THE DRAWINGS. ALL IRRIGATION LINES AND EQUIPMENT SHALL BE LOCATED IN THE PLANTING AREAS ONLY, UNLESS OTHERWISE NOTED.
2. SEE SHEET LI-DT-01 AND LI-DT-02 FOR IRRIGATION NOTES AND LEGEND.
3. SEE UT, LT, SD, SG PLANS FOR UTILITY, LIGHTING, STORM DRAIN AND SIGNAL LOCATIONS.

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

J-U-B ENGINEERS, INC.

APPROVED

PROFESSIONAL ENGINEER

DATE 4/29/2024

DRAWN BY JBW

QC CHECKED BY SRP

PROJECT I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER S-I15-8(157)336

PIN 15682

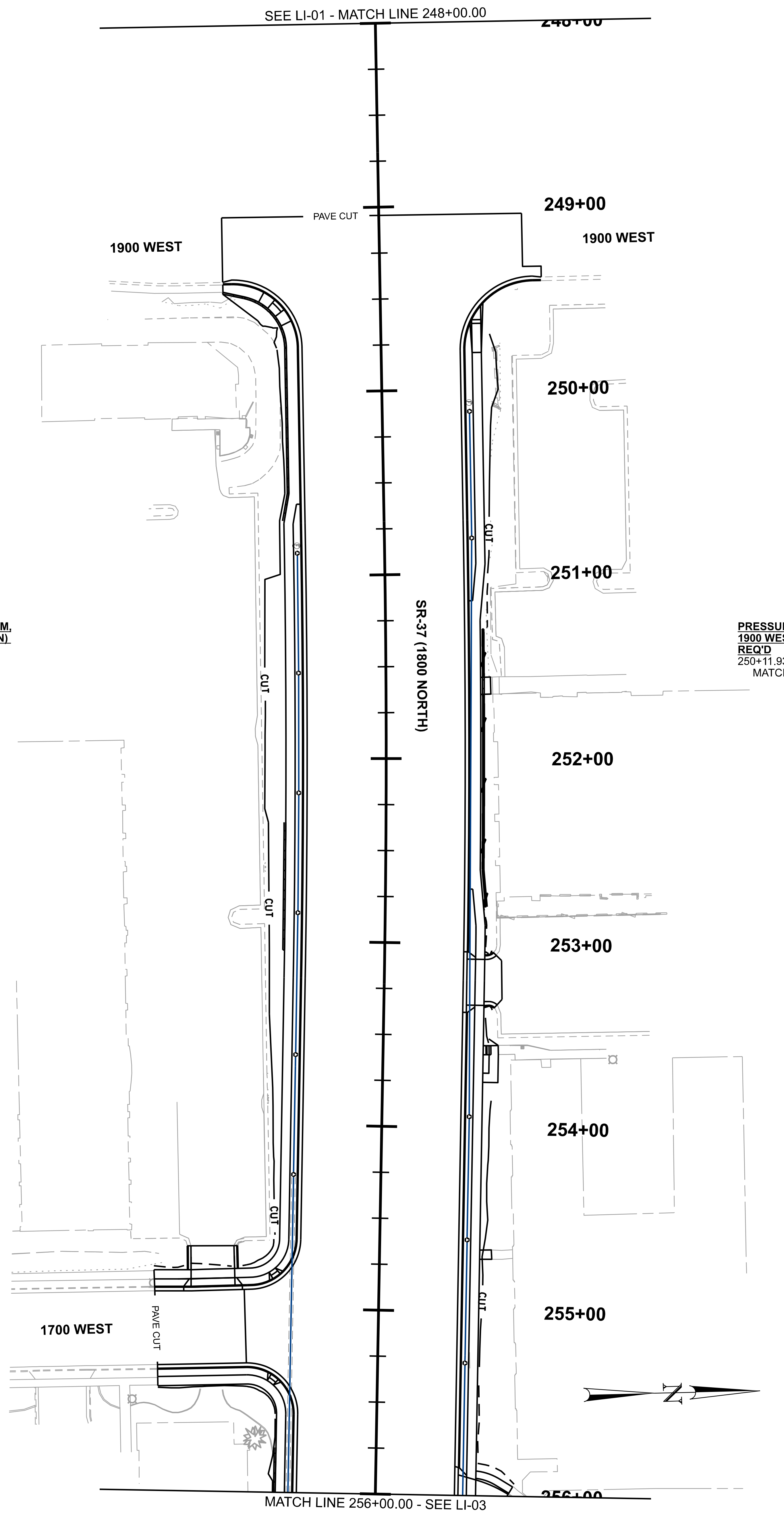
LANDSCAPE IRRIGATION

SHEET NO. LI-01

29-APR-2024

EXHIBIT B

29-APR-2024 DGN File: pw://udot-pw.bentley.com:udot-pw-01/Documents/UDOT Projects/Region 1 Projects/15682_I-15_1800_NORTH_INTERCHANGE/Landscape/15682_LI-01-07_1800N_Seg1.dgn



PRESSURIZED IRRIGATION SYSTEM, 1900 WEST TO 810 WEST (CLINTON) REQ'D
250+86.38 RT 47.50 TO
MATCH LINE RT 47.50

PRESSURIZED IRRIGATION SYSTEM, 1900 WEST TO 810 WEST (CLINTON) REQ'D
250+11.93 LT 47.50 TO
MATCH LINE LT 47.50

NOTES:
1. THE SPRINKLER PLAN IS DIAGRAMATIC IN NATURE, AND SOME DRAFTING LIBERTIES HAVE BEEN TAKEN TO MAINTAIN THE GRAPHIC CLARITY OF THE DRAWINGS. ALL IRRIGATION LINES AND EQUIPMENT SHALL BE LOCATED IN THE PLANTING AREAS ONLY, UNLESS OTHERWISE NOTED.
2. SEE SHEET LI-DT-01 AND LI-DT-02 FOR IRRIGATION NOTES AND LEGEND.
3. SEE UT, LT, SD, SG PLANS FOR UTILITY, LIGHTING, STORM DRAIN AND SIGNAL LOCATIONS.

SHEET NO. LI-02	PROJECT	I-15; 1800 NORTH INTERCHANGE	
	PROJECT NUMBER	S-I15-8(157)336	PIN 15682
		LANDSCAPE IRRIGATION	

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

APPROVED

PROFESSIONAL ENGINEER

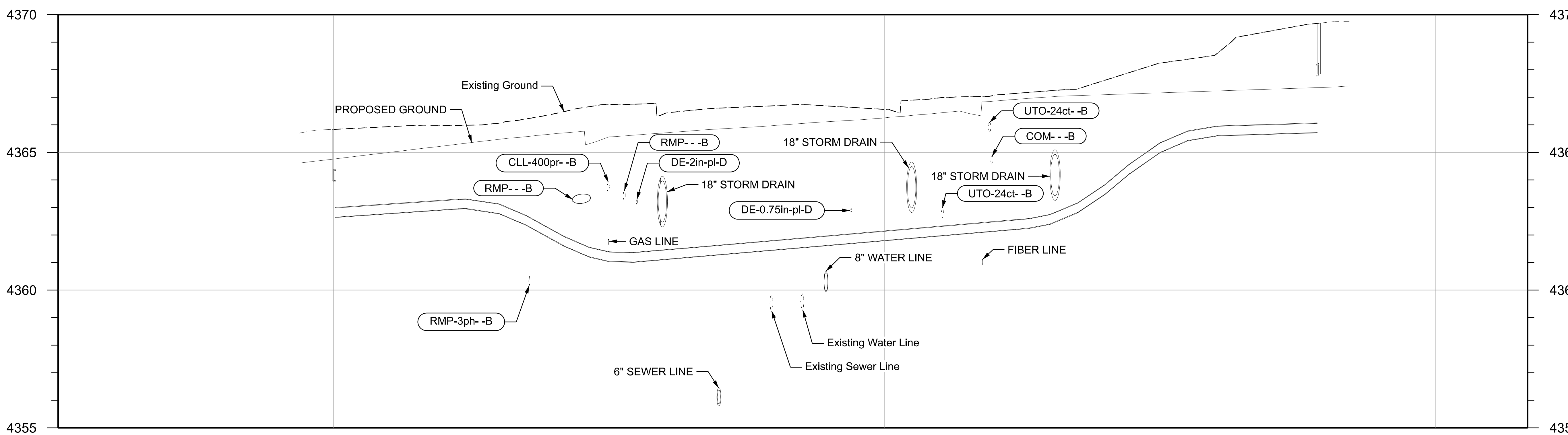
4/29/2024
DATE

DRAWN BY	JBW
QC CHECKED BY	SRP

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

EXHIBIT B



PROFILE LANDSCAPE IRRIGATION LI-02
254+28 RT - 256+07 RT

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

J-U-B ENGINEERS, INC.

DRAWN BY JBW

QC CHECKED BY SRP

APPROVED

PROFESSIONAL ENGINEER

4/29/2024

DATE

PROJECT: I-15; 1800 NORTH INTERCHANGE

PIN 15682

PROJECT NUMBER: S-I15-8(157)336

LANDSCAPE IRRIGATION

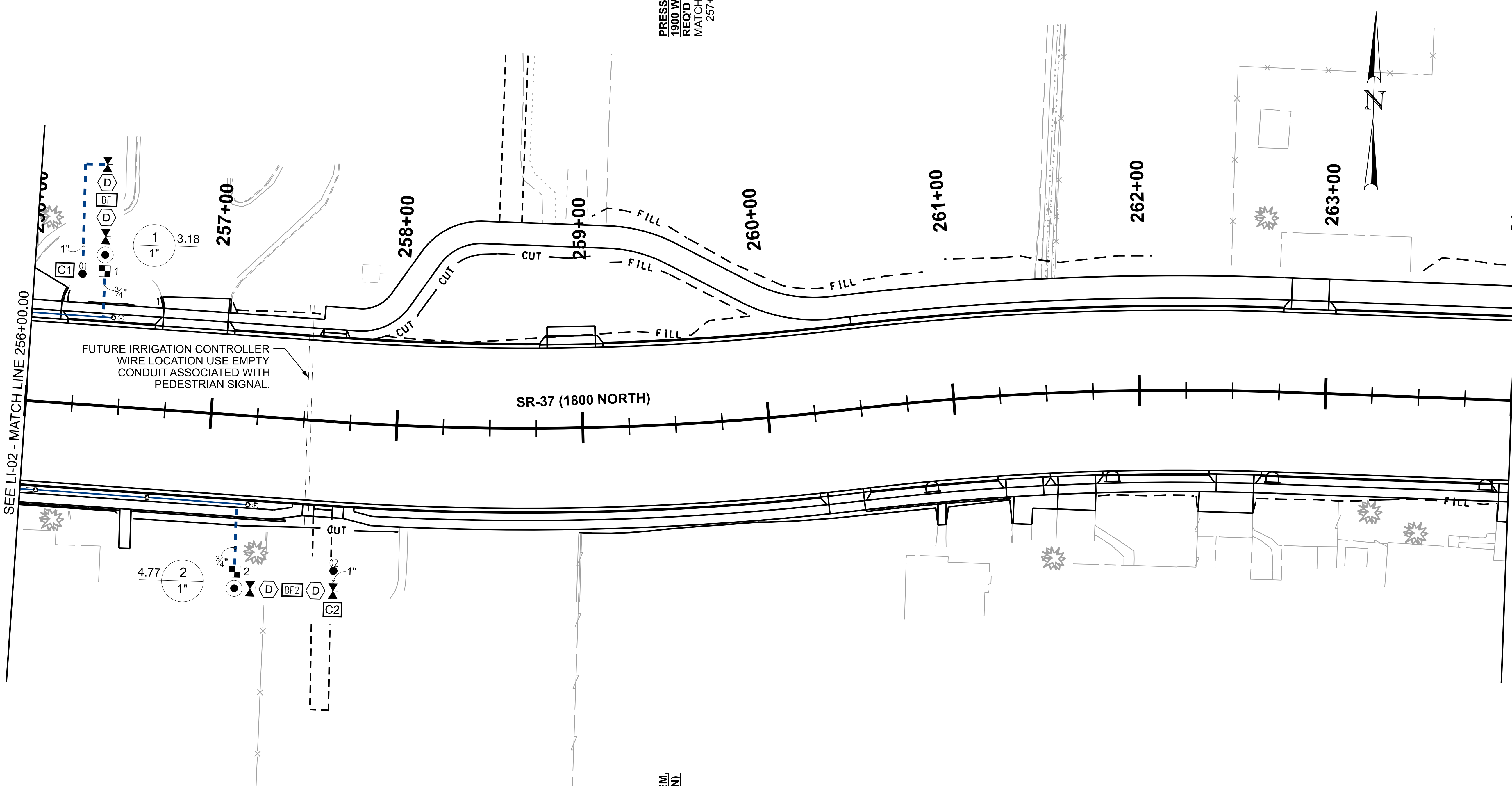
SHEET NO. LI-02A

DGN File: pw:\\cdot-pw.bentley.com:udot-pw-01\Documents\UDOT Projects\Region 1 Projects\15682 I-15 1800 NORTH INTERCHANGE\Landscape\15682_LI-02A.dgn

29-APR-2024

EXHIBIT B

PRESSURIZED IRRIGATION SYSTEM, 1900 WEST TO 810 WEST (CLINTON) REQ'D
MATCH LINE LT 47.50 TO 257+44.02 LT 47.50



PRESSURIZED IRRIGATION SYSTEM, 1900 WEST TO 810 WEST (CLINTON) REQ'D
MATCH LINE RT 47.50 TO 257+23.00 RT 47.50

NOTES:
1. THE SPRINKLER PLAN IS DIAGRAMATIC IN NATURE, AND SOME DRAFTING LIBERTIES HAVE BEEN TAKEN TO MAINTAIN THE GRAPHIC CLARITY OF THE DRAWINGS. ALL IRRIGATION LINES AND EQUIPMENT SHALL BE LOCATED IN THE PLANTING AREAS ONLY, UNLESS OTHERWISE NOTED.
2. SEE SHEET LI-DT-01 AND LI-DT-02 FOR IRRIGATION NOTES AND LEGEND.
3. SEE UT, LT, SD, SG PLANS FOR UTILITY, LIGHTING, STORM DRAIN AND SIGNAL LOCATIONS.

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

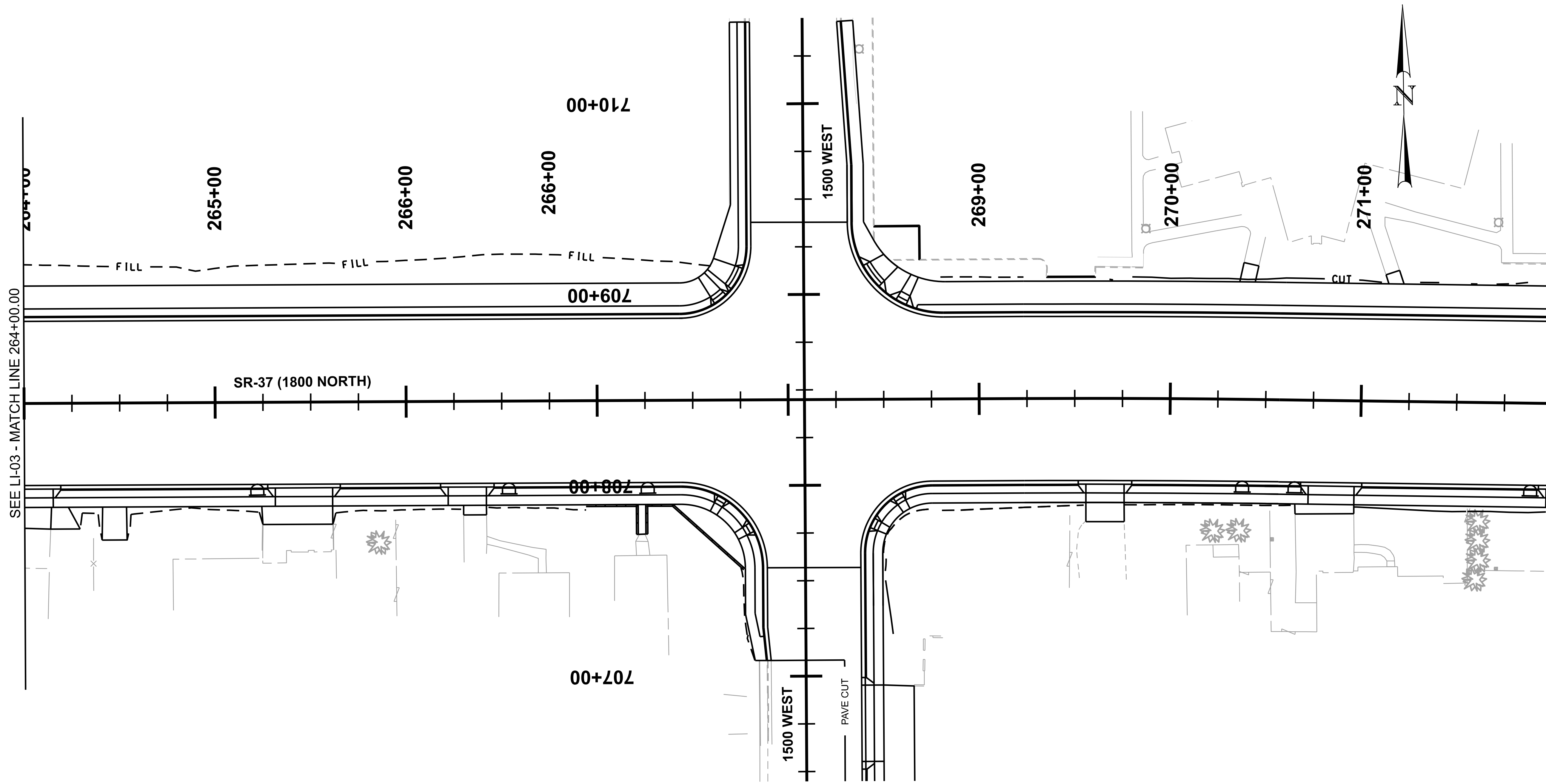
DRAWN BY JBW
QC CHECKED BY SRP
4/29/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER S-I15-8(157)336
PIN 15682
LANDSCAPE IRRIGATION

SHEET NO. LI-03

29-APR-2024

EXHIBIT B



NO WORK THIS SHEET

NOTES:
1. THE SPRINKLER PLAN IS DIAGRAMATIC IN NATURE, AND SOME DRAFTING LIBERTIES HAVE BEEN TAKEN TO MAINTAIN THE GRAPHIC CLARITY OF THE DRAWINGS. ALL IRRIGATION LINES AND EQUIPMENT SHALL BE LOCATED IN THE PLANTING AREAS ONLY, UNLESS OTHERWISE NOTED.
2. SEE SHEET LI-DT-01 AND LI-DT-02 FOR IRRIGATION NOTES AND LEGEND.
3. SEE UT, LT, SD, SG PLANS FOR UTILITY, LIGHTING, STORM DRAIN AND SIGNAL LOCATIONS.

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

DRAWN BY: JBW
QC CHECKED BY: SRP
DATE: 4/29/2024

APPROVED
PROFESSIONAL ENGINEER

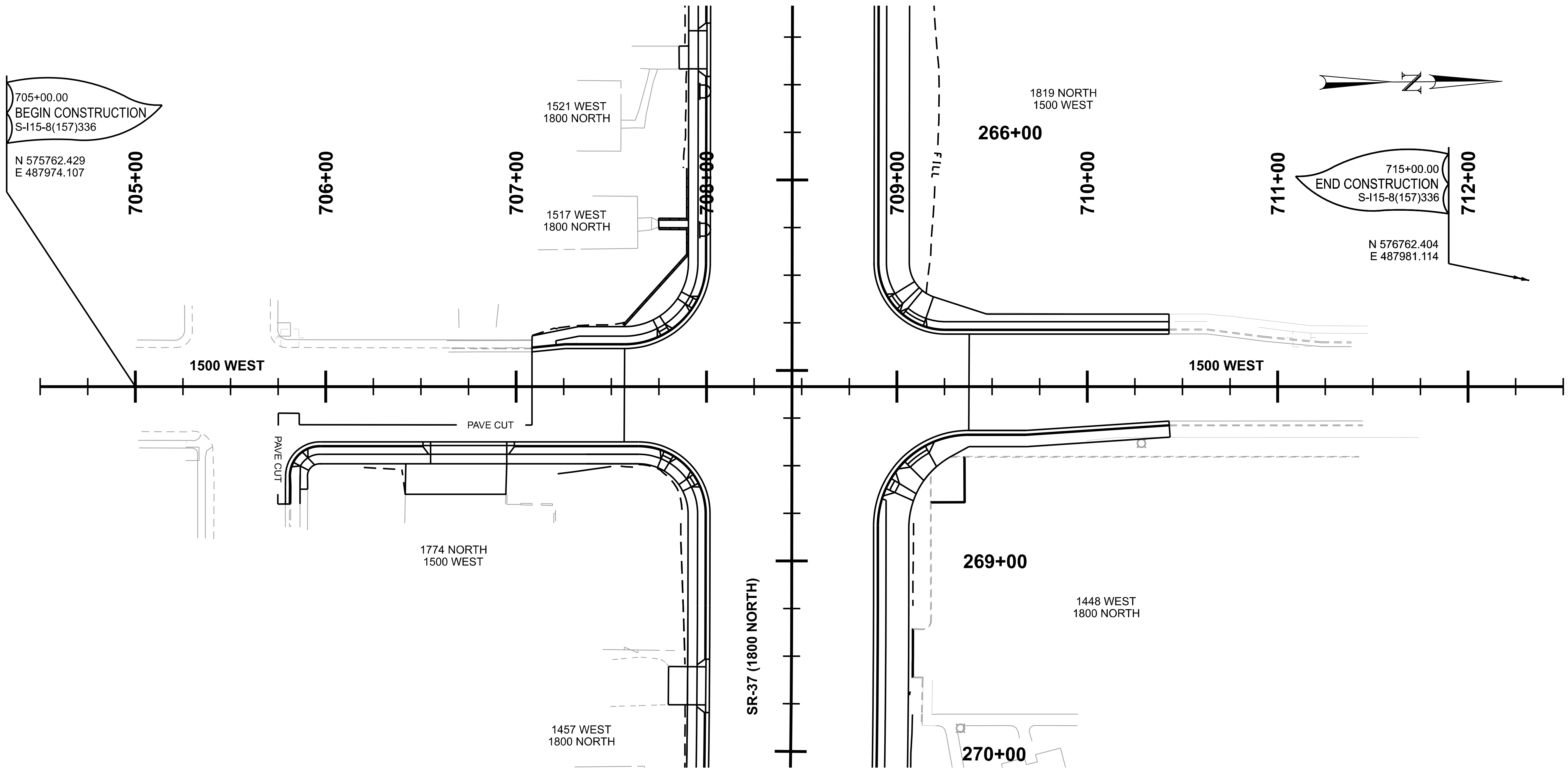
PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682

LANDSCAPE IRRIGATION

SHEET NO. LI-04

29-APR-2024

EXHIBIT B



NO WORK THIS SHEET

NOTES:
1. THE SPRINKLER PLAN IS DIAGRAMATIC IN NATURE, AND SOME DRAFTING LIBERTIES HAVE BEEN TAKEN TO MAINTAIN THE GRAPHIC CLARITY OF THE DRAWINGS. ALL IRRIGATION LINES AND EQUIPMENT SHALL BE LOCATED IN THE PLANTING AREAS ONLY, UNLESS OTHERWISE NOTED.
2. SEE SHEET LI-DT-01 AND LI-DT-02 FOR IRRIGATION NOTES AND LEGEND.
3. SEE UT, LT, SD, SG PLANS FOR UTILITY, LIGHTING, STORM DRAIN AND SIGNAL LOCATIONS.

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

DRAWN BY JBW
QC CHECKED BY SRP

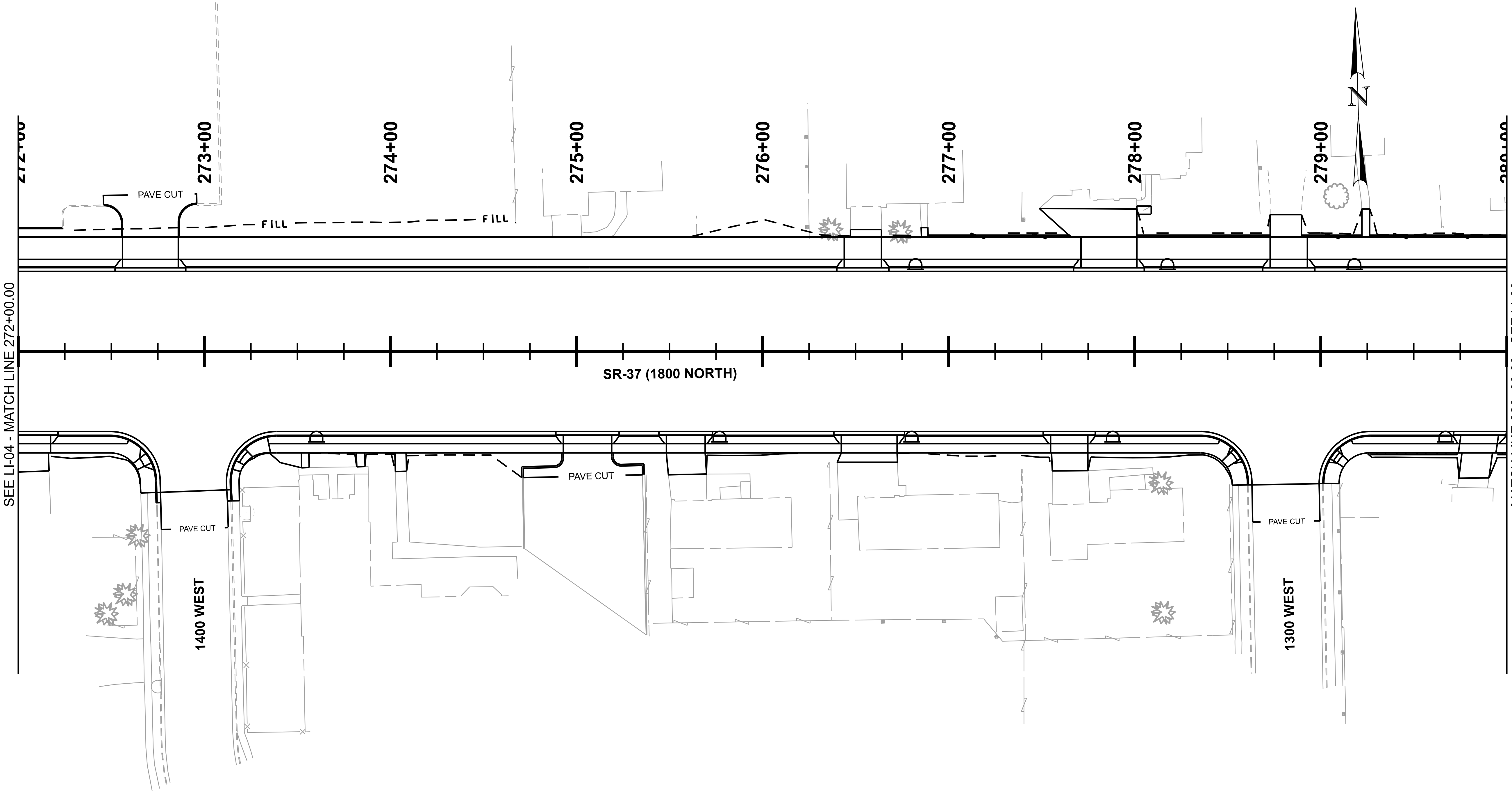
APPROVED
4/29/2024
DATE
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN 15682
LANDSCAPE IRRIGATION

SHEET NO. LI-04A

29-APR-2024

EXHIBIT B



NO WORK THIS SHEET

NOTES:
1. THE SPRINKLER PLAN IS DIAGRAMATIC IN NATURE, AND SOME DRAFTING LIBERTIES HAVE BEEN TAKEN TO MAINTAIN THE GRAPHIC CLARITY OF THE DRAWINGS. ALL IRRIGATION LINES AND EQUIPMENT SHALL BE LOCATED IN THE PLANTING AREAS ONLY, UNLESS OTHERWISE NOTED.
2. SEE SHEET LI-DT-01 AND LI-DT-02 FOR IRRIGATION NOTES AND LEGEND.
3. SEE UT, LT, SD, SG PLANS FOR UTILITY, LIGHTING, STORM DRAIN AND SIGNAL LOCATIONS.

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

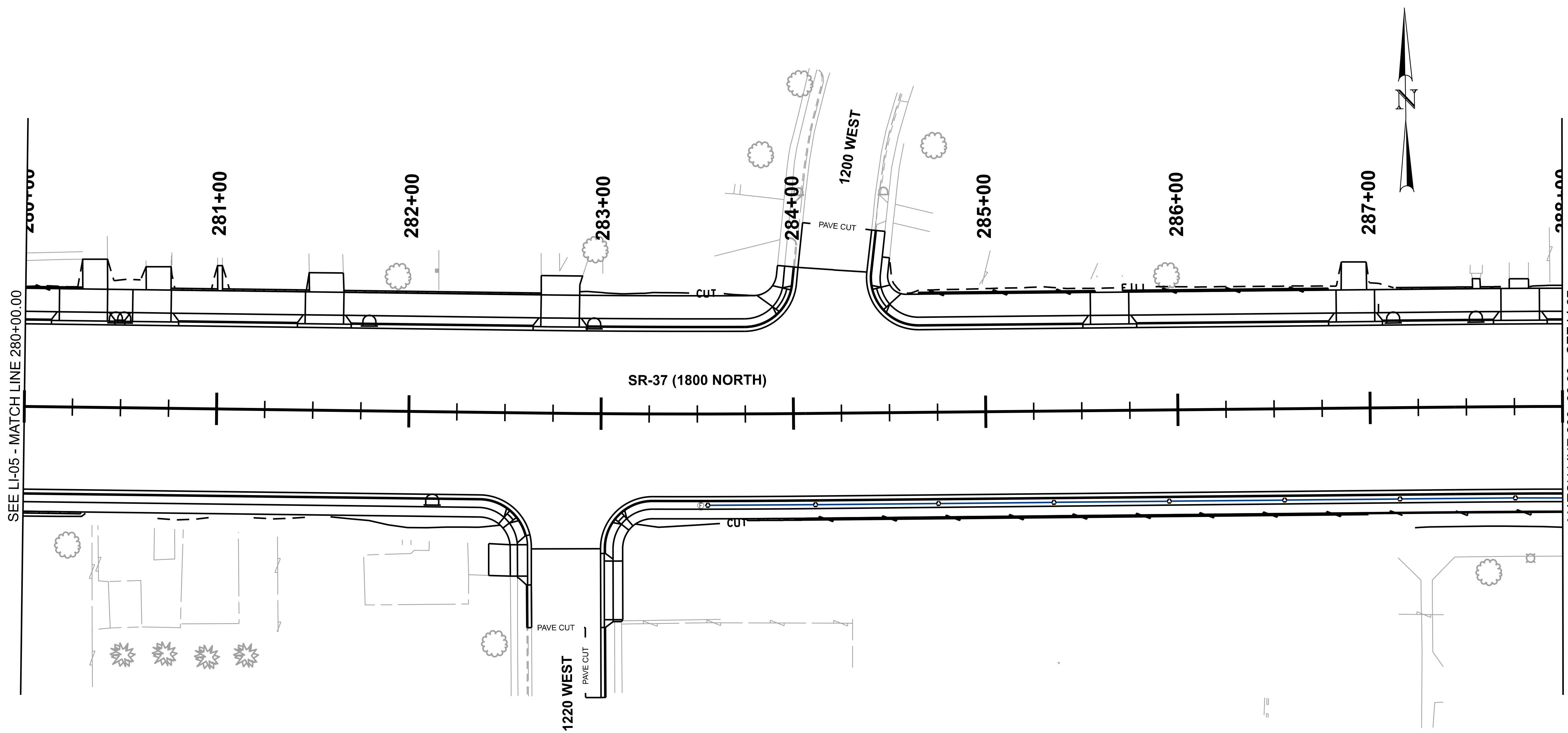
UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

DRAWN BY: JBW
QC CHECKED BY: SRP
DATE: 4/29/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
LANDSCAPE IRRIGATION

SHEET NO. LI-05

EXHIBIT B



PRESSURIZED IRRIGATION SYSTEM, 1900 WEST TO 810 WEST (CLINTON) REQ'D
283+55.45 RT 47.50 TO
MATCH LINE RT 47.50

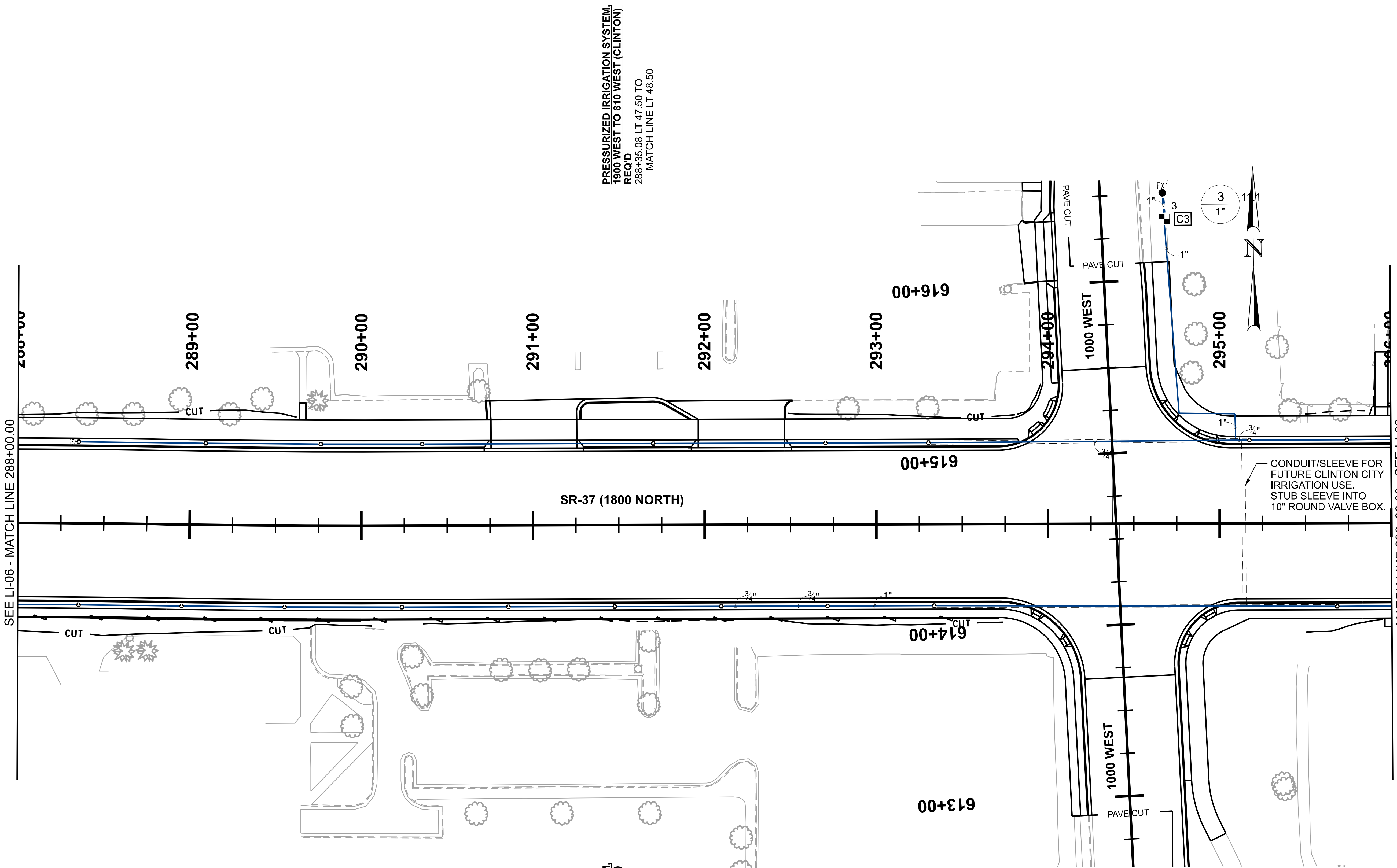
NOTES:
1. THE SPRINKLER PLAN IS DIAGRAMATIC IN NATURE, AND SOME DRAFTING LIBERTIES HAVE BEEN TAKEN TO MAINTAIN THE GRAPHIC CLARITY OF THE DRAWINGS. ALL IRRIGATION LINES AND EQUIPMENT SHALL BE LOCATED IN THE PLANTING AREAS ONLY, UNLESS OTHERWISE NOTED.
2. SEE SHEET LI-DT-01 AND LI-DT-02 FOR IRRIGATION NOTES AND LEGEND.
3. SEE UT, LT, SD, SG PLANS FOR UTILITY, LIGHTING, STORM DRAIN AND SIGNAL LOCATIONS.

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

DRAWN BY	JBW
QC CHECKED BY	SRP
APPROVED	
DATE	4/29/2024
PROFESSIONAL ENGINEER	
PROJECT	I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER	S-I15-8(157)336
PIN	15682
	LANDSCAPE IRRIGATION
SHEET NO.	LI-06

EXHIBIT B



NOTES:
1. THE SPRINKLER PLAN IS DIAGRAMATIC IN NATURE, AND SOME DRAFTING LIBERTIES HAVE BEEN TAKEN TO MAINTAIN THE GRAPHIC CLARITY OF THE DRAWINGS. ALL IRRIGATION LINES AND EQUIPMENT SHALL BE LOCATED IN THE PLANTING AREAS ONLY, UNLESS OTHERWISE NOTED.
2. SEE SHEET LI-DT-01 AND LI-DT-02 FOR IRRIGATION NOTES AND LEGEND.
3. SEE UT, LT, SD, SG PLANS FOR UTILITY, LIGHTING, STORM DRAIN AND SIGNAL LOCATIONS.

NO.	DATE	APPROVED BY	REMARKS

REVISIONS

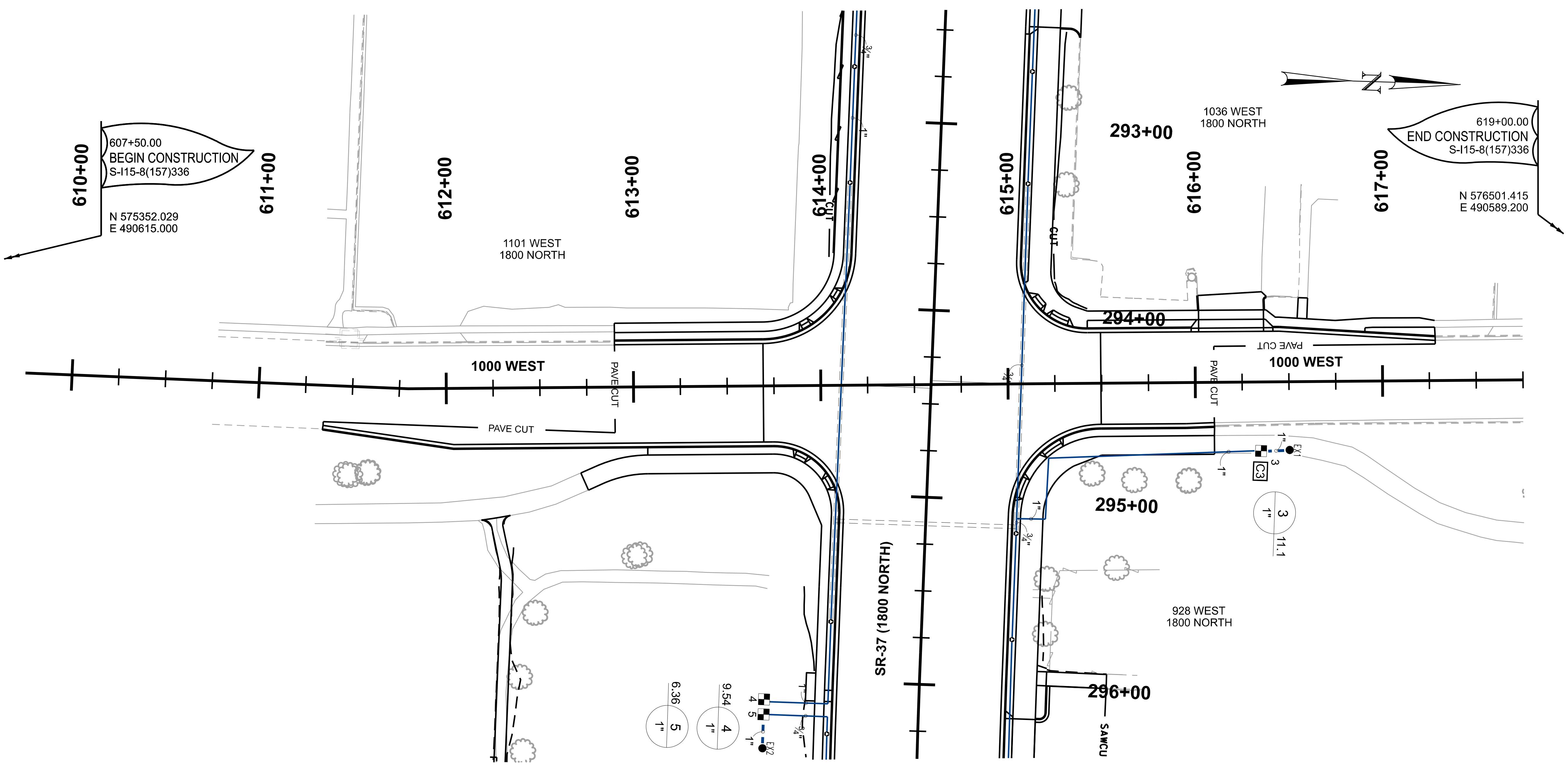
UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

DRAWN BY: JBW
QC CHECKED BY: SRP
DATE: 4/29/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
LANDSCAPE IRRIGATION

SHEET NO. LI-07

EXHIBIT B



SEE LI-07 & LI-08
FOR WORK ON THIS SHEET

NOTES:
1. THE SPRINKLER PLAN IS DIAGRAMATIC IN NATURE, AND SOME DRAFTING LIBERTIES HAVE BEEN TAKEN TO MAINTAIN THE GRAPHIC CLARITY OF THE DRAWINGS. ALL IRRIGATION LINES AND EQUIPMENT SHALL BE LOCATED IN THE PLANTING AREAS ONLY, UNLESS OTHERWISE NOTED.
2. SEE SHEET LI-DT-01 AND LI-DT-02 FOR IRRIGATION NOTES AND LEGEND.
3. SEE UT, LT, SD, SG PLANS FOR UTILITY, LIGHTING, STORM DRAIN AND SIGNAL LOCATIONS.

NO.	DATE	APPROVED BY	REMARKS
REVISIONS			

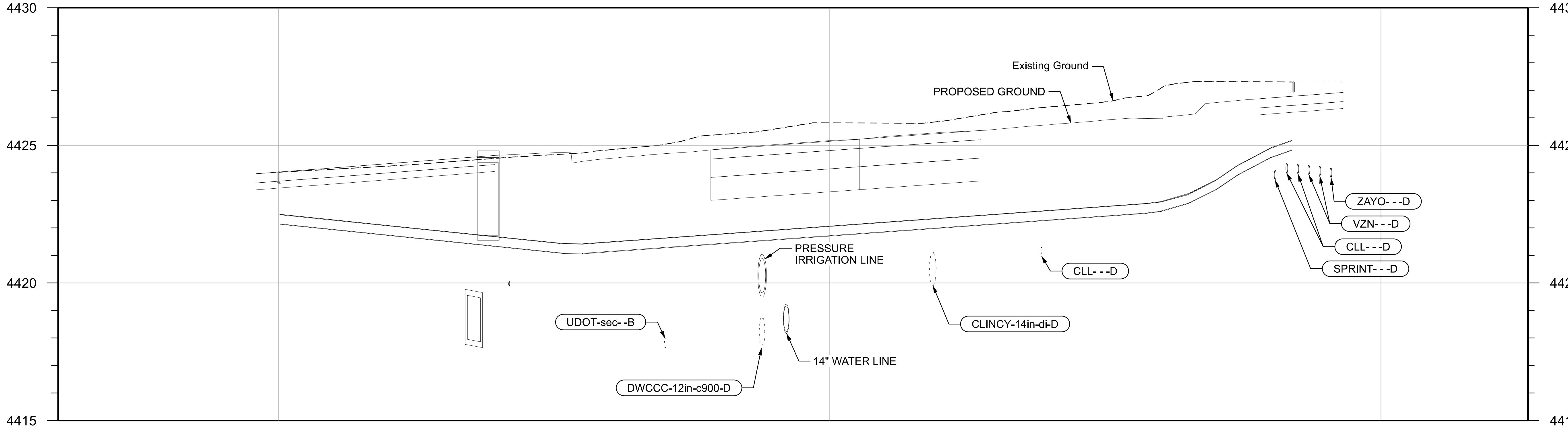
UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

DRAWN BY: JBW
QC CHECKED BY: SRP
4/29/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

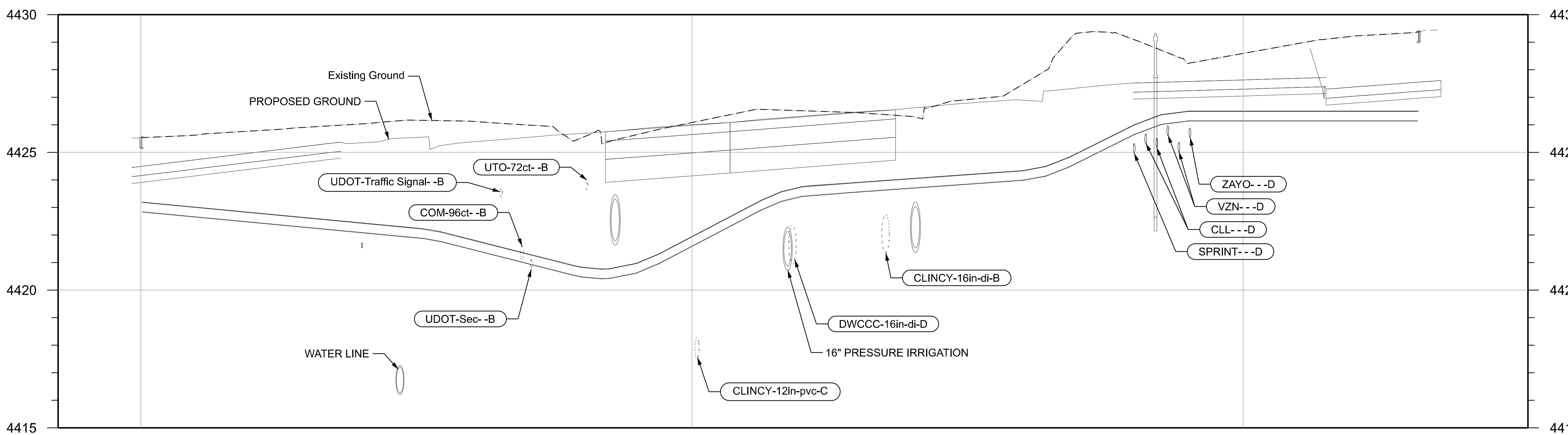
PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
LANDSCAPE IRRIGATION

SHEET NO. LI-07A

EXHIBIT B



PROFILE LANDSCAPE IRRIGATION LI-07
293+32 LT - 295+16 LT



PROFILE LANDSCAPE IRRIGATION LI-07
293+35 RT - 295+67 RT

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

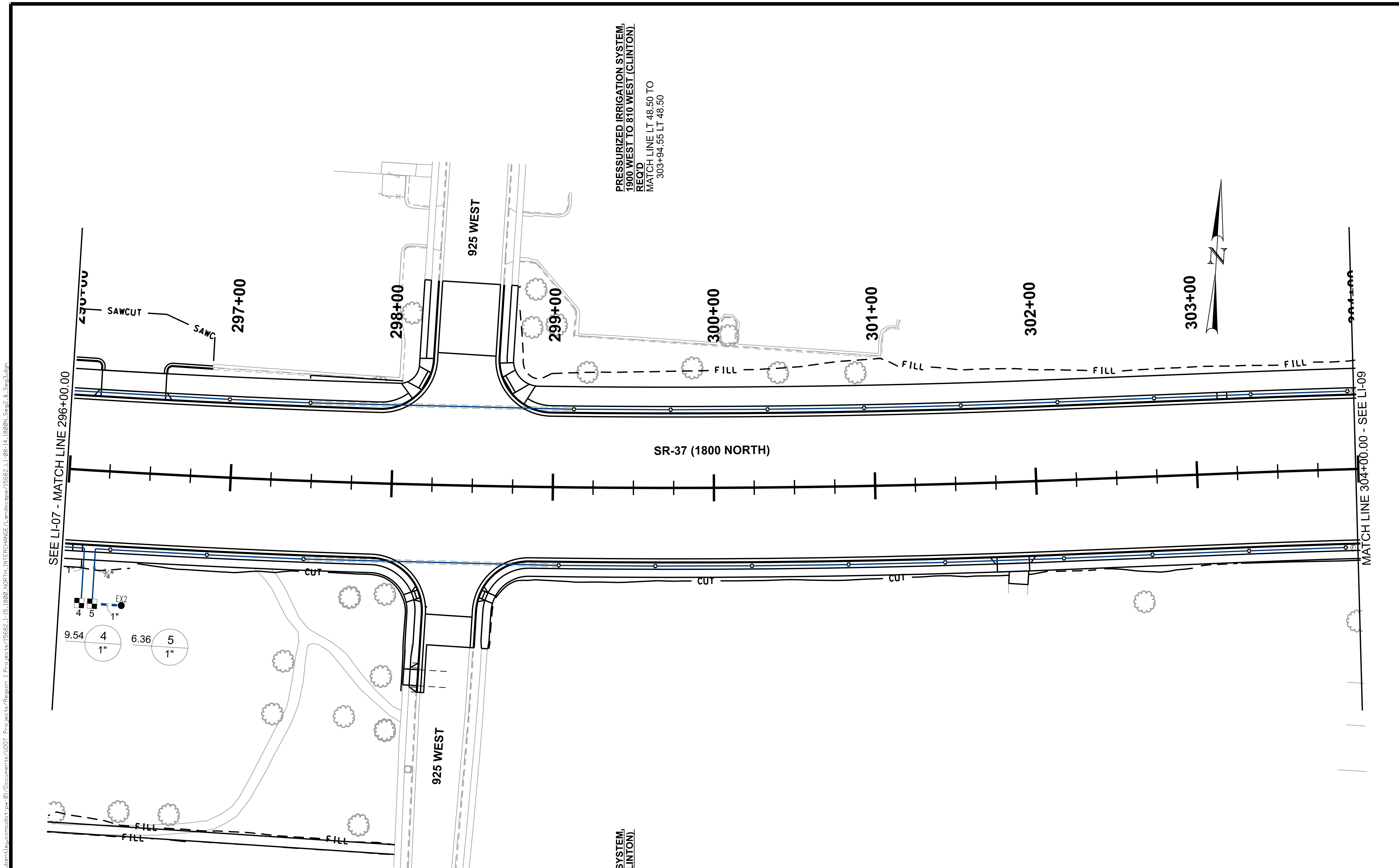
DRAWN BY: JBW
QC CHECKED BY: SRP
DATE: 4/29/2024

APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
LANDSCAPE IRRIGATION

SHEET NO. LI-07B

EXHIBIT B



NOTES:
1. THE SPRINKLER PLAN IS DIAGRAMATIC IN NATURE, AND SOME DRAFTING LIBERTIES HAVE BEEN TAKEN TO MAINTAIN THE GRAPHIC CLARITY OF THE DRAWINGS. ALL IRRIGATION LINES AND EQUIPMENT SHALL BE LOCATED IN THE PLANTING AREAS ONLY, UNLESS OTHERWISE NOTED.
2. SEE SHEET LI-DT-01 AND LI-DT-02 FOR IRRIGATION NOTES AND LEGEND.
3. SEE UT, LT, SD, SG PLANS FOR UTILITY, LIGHTING, STORM DRAIN AND SIGNAL LOCATIONS.

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

J-U-B ENGINEERS, INC.

DRAWN BY: JBW

QC CHECKED BY: SRP

4/29/2024 DATE

APPROVED

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

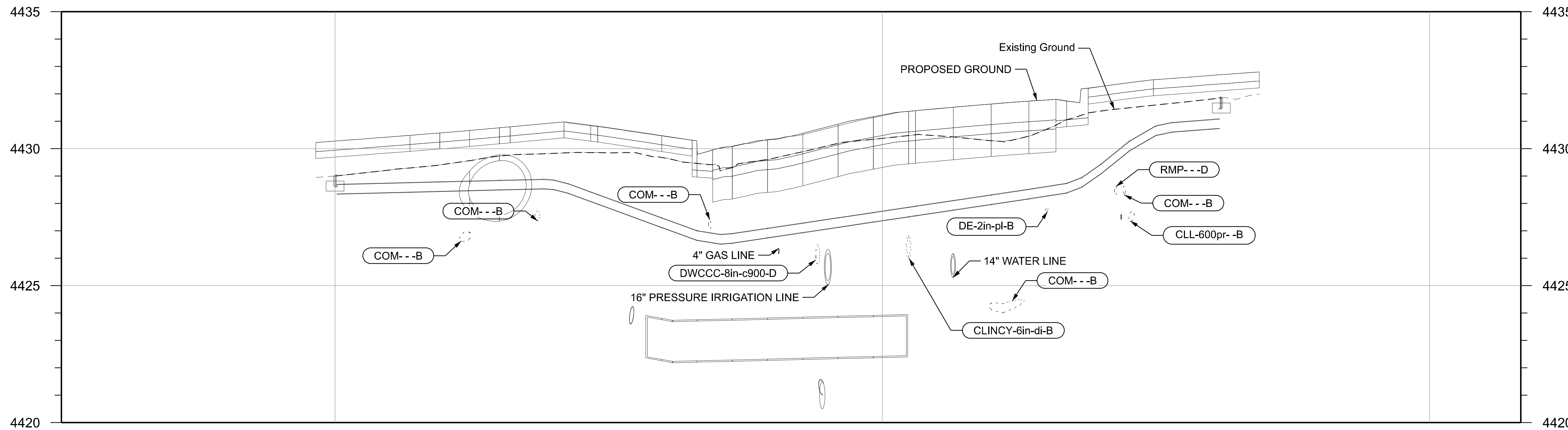
PROJECT NUMBER: S-I15-8(157)336 PIN 15682

LANDSCAPE IRRIGATION

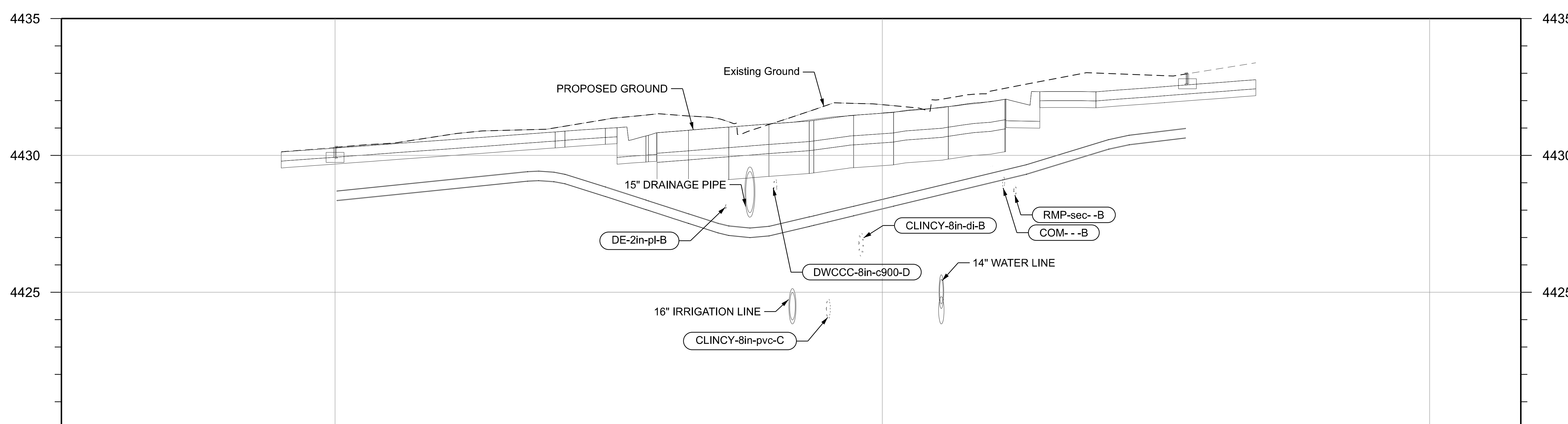
SHEET NO. LI-08

29-APR-2024

EXHIBIT B



PROFILE LANDSCAPE IRRIGATION LI-08
297+49 LT - 299+11 LT



PROFILE LANDSCAPE IRRIGATION LI-08
297+49 RT - 299+03 RT

REVISIONS | REMARKS | APPROVED BY | DATE | NO.

UTAH DEPARTMENT OF TRANSPORTATION

J-U-B ENGINEERS, INC.

DRAWN BY JBW

QC CHECKED BY SRP

4/29/2024 DATE

APPROVED

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER: S-I15-8(157)336

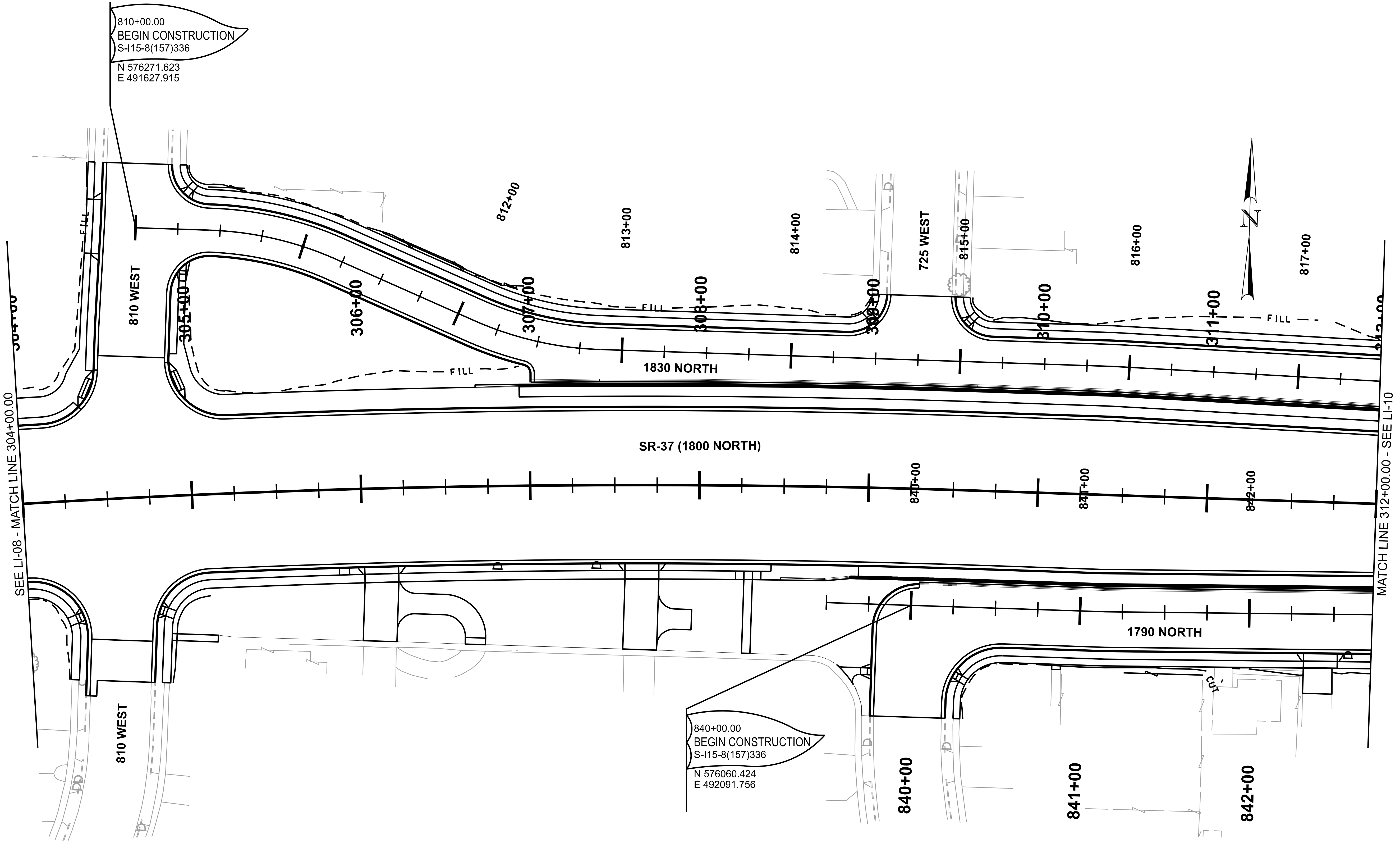
PIN: 15682

LANDSCAPE IRRIGATION

SHEET NO. LI-08A

29-APR-2024

EXHIBIT B



NO WORK THIS SHEET

NOTES:
1. THE SPRINKLER PLAN IS DIAGRAMATIC IN NATURE, AND SOME DRAFTING LIBERTIES HAVE BEEN TAKEN TO MAINTAIN THE GRAPHIC CLARITY OF THE DRAWINGS. ALL IRRIGATION LINES AND EQUIPMENT SHALL BE LOCATED IN THE PLANTING AREAS ONLY, UNLESS OTHERWISE NOTED.
2. SEE SHEET LI-DT-01 AND LI-DT-02 FOR IRRIGATION NOTES AND LEGEND.
3. SEE UT, LT, SD, SG PLANS FOR UTILITY, LIGHTING, STORM DRAIN AND SIGNAL LOCATIONS.

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

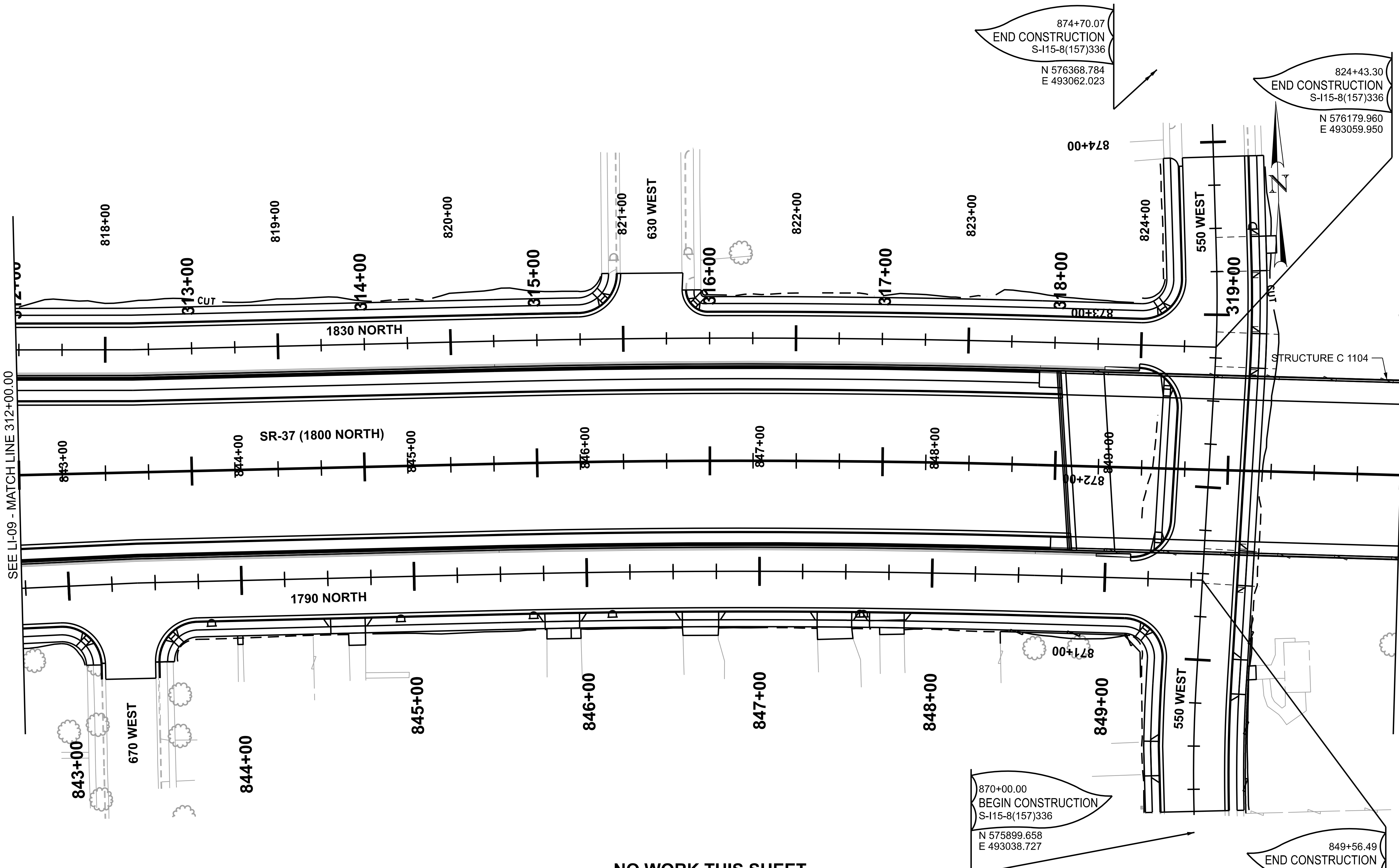
UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

DRAWN BY: JBW
QC CHECKED BY: SRP
DATE: 4/29/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
LANDSCAPE IRRIGATION

SHEET NO. LI-09

EXHIBIT B



NO WORK THIS SHEET

NOTES:
1. THE SPRINKLER PLAN IS DIAGRAMATIC IN NATURE, AND SOME DRAFTING LIBERTIES HAVE BEEN TAKEN TO MAINTAIN THE GRAPHIC CLARITY OF THE DRAWINGS. ALL IRRIGATION LINES AND EQUIPMENT SHALL BE LOCATED IN THE PLANTING AREAS ONLY, UNLESS OTHERWISE NOTED.
2. SEE SHEET LI-DT-01 AND LI-DT-02 FOR IRRIGATION NOTES AND LEGEND.
3. SEE UT, LT, SD, SG PLANS FOR UTILITY, LIGHTING, STORM DRAIN AND SIGNAL LOCATIONS.

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

DRAWN BY	JBW
QC CHECKED BY	SRP
DATE	4/29/2024
APPROVED	
PROFESSIONAL ENGINEER	

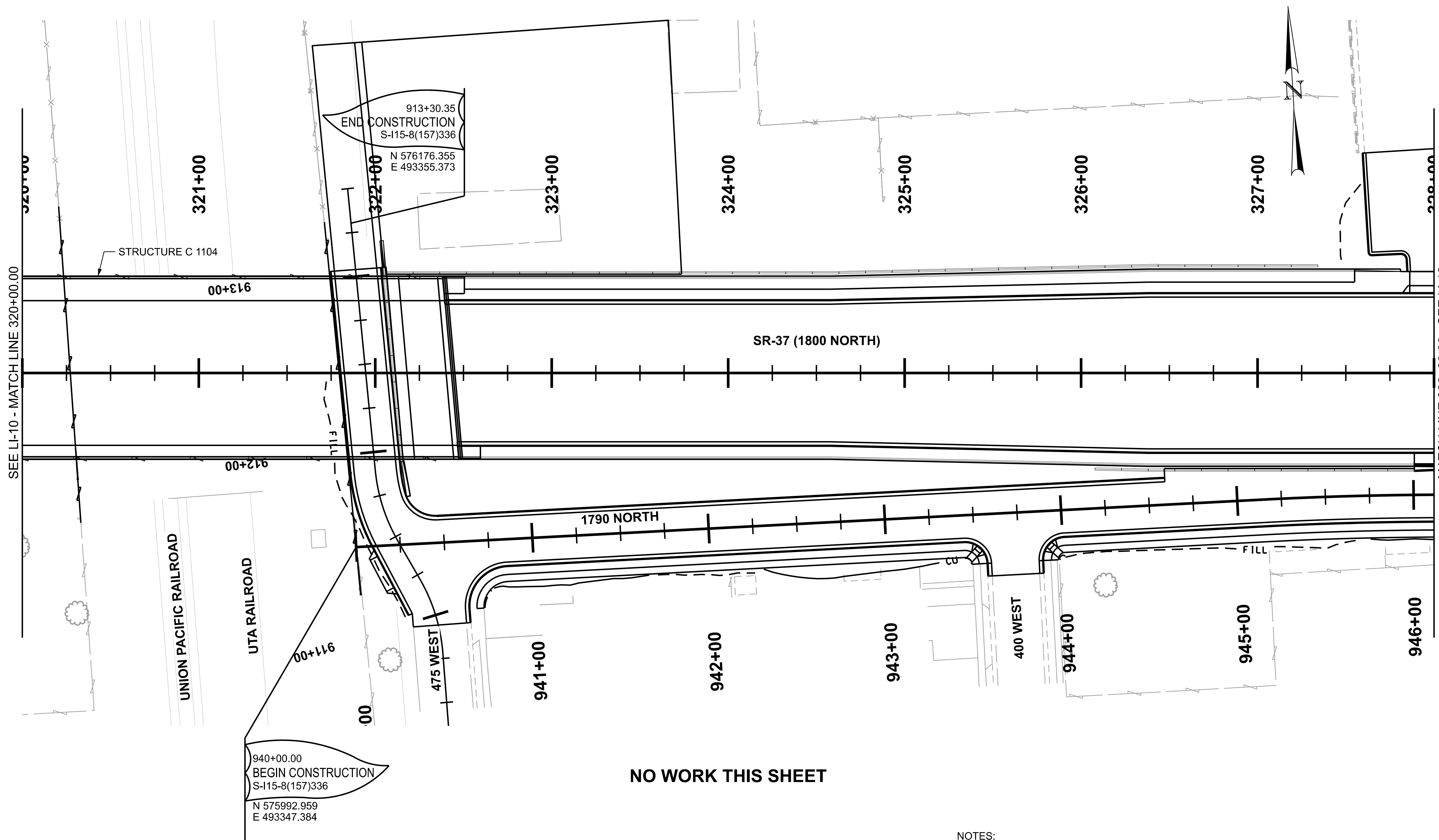
REVISIONS

NO.	DATE	APPROVED BY	REMARKS

PROJECT	I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER	S-I15-8(157)336
PIN	15682
	LANDSCAPE IRRIGATION
SHEET NO.	LI-10

29-APR-2024

EXHIBIT B



NO WORK THIS SHEET

NOTES:
1. THE SPRINKLER PLAN IS DIAGRAMATIC IN NATURE, AND SOME DRAFTING LIBERTIES HAVE BEEN TAKEN TO MAINTAIN THE GRAPHIC CLARITY OF THE DRAWINGS. ALL IRRIGATION LINES AND EQUIPMENT SHALL BE LOCATED IN THE PLANTING AREAS ONLY, UNLESS OTHERWISE NOTED.
2. SEE SHEET LI-DT-01 AND LI-DT-02 FOR IRRIGATION NOTES AND LEGEND.
3. SEE UT, LT, SD, SG PLANS FOR UTILITY, LIGHTING, STORM DRAIN AND SIGNAL LOCATIONS.

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
J-U-B ENGINEERS, INC.

DRAWN BY JBW
QC CHECKED BY SRP
APPROVED
4/29/2024
DATE
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
LANDSCAPE IRRIGATION

SHEET NO. LI-11

EXHIBIT C

ABBREVIATIONS

ABBREVIATION	DEFINITION
ATMS	ADVANCED TRAFFIC MANAGEMENT SYSTEM
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CKT	CIRCUIT
COMM	COMMUNICATIONS
ELEC	ELECTRICAL
EX	EXISTING
GND	GROUND CONDUCTOR
GRC	GALVANIZED RIGID CONDUIT
IN	INCH
IRRG	IRRIGATION
NTS	NOT TO SCALE
PC	POLYMER CONCRETE
PWR	POWER
REQ'D	REQUIRED
RMS	RAMP METER STATION
RWIS	ROADWAY WEATHER INFORMATION SYSTEM
TBD	TO BE DETERMINED
TELE	TELEPHONE
TSC	TRAFFIC SIGNAL CONTROLLER
TYP	TYPICAL
V	VOLTS (ALTERNATING CURRENT)
VMS	VARIABLE MESSAGE SIGN

LIGHTING CIRCUIT SCHEDULE

NO.	DESCRIPTION
1	1-2"C., 2-#6 AWG STRANDED COPPER USE-2/RHW-2, 1-#6 GROUND BARE COPPER
2	4-#6 AWG STRANDED COPPER USE-2/RHW-2, IN SAME LIGHTING CONDUIT FROM SIGNAL CIRCUIT
3	1-2"C., 2-#4 AWG STRANDED COPPER USE-2/RHW-2, 1-#4 GROUND BARE COPPER
4	2-#6 AWG STRANDED COPPER USE-2/RHW-2, IN SAME LIGHTING CONDUIT AS SIGNAL CIRCUIT
5	2-#6 AWG STRANDED COPPER USE-2/RHW-2, 1-#6 GROUND BARE COPPER, IN RIGID STEEL CONDUIT
6	2-#6 AWG STRANDED COPPER USE-2/RHW-2, 1-#6 GROUND BARE COPPER IN SAME HIGH VOLTAGE CONDUIT AS ITS
7	2-#4 AWG STRANDED COPPER USE-2/RHW-2, 1-#4 GROUND BARE COPPER IN SAME HIGH VOLTAGE CONDUIT AS ITS
8	1-2"C., 3-#2 AWG STRANDED COPPER USE-2/RHW-2, 1-#2 GROUND BARE COPPER
9	1-2"C., 3-#4 AWG STRANDED COPPER USE-2/RHW-2, 1-#4 GROUND BARE COPPER
10	1-2"C., 3-#6 AWG STRANDED COPPER USE-2/RHW-2, 1-#6 GROUND BARE COPPER
11	3-#6 AWG STRANDED COPPER USE-2/RHW-2 IN SAME LIGHTING CONDUIT AS SIGNAL CIRCUIT
12	1-2"C., 6-#2 AWG STRANDED COPPER USE-2/RHW-2, 1-#2 GROUND BARE COPPER
13	3-#2 AND 3-#4 AWG STRANDED COPPER USE-2/RHW-2, IN SAME LIGHTING CONDUIT AS SIGNAL CIRCUIT
14	3-#2 AWG STRANDED COPPER USE-2/RHW-2, IN SAME LIGHTING CONDUIT AS SIGNAL CIRCUIT
15	3-#4, AND 6-#6 AWG STRANDED COPPER USE-2/RHW-2, IN SAME LIGHTING CONDUIT AS SIGNAL CIRCUIT
16	6-#6 AWG STRANDED COPPER USE-2/RHW-2, IN SAME LIGHTING CONDUIT AS SIGNAL CIRCUIT
17	1-2"C., 3-#2 AND 3-#6 AWG STRANDED COPPER USE-2/RHW-2, 1-#2 GROUND BARE COPPER
18	6-#4 AWG STRANDED COPPER USE-2/RHW-2, IN SAME LIGHTING CONDUIT AS SIGNAL CIRCUIT

EQUIPMENT LEGEND

REQ'D	EQUIPMENT TYPE
	UNDERSTRUCTURE LUMINAIRE - HIGHWAY LED OR INDUCTION LAMP WITH A SEPARATE BALLAST HOUSING ATTACHED TO THE LUMINAIRE AND VIBRATION RESISTANT MOUNTING, WALL MOUNTED. PER UDOT STANDARD "SL" DRAWINGS AND SPECIFICATION 16525.
	PEDESTRIAN WALKWAY LUMINAIRE LED OR INDUCTION LAMP WITH A SEPARATE BALLAST HOUSING ATTACHED TO THE LUMINAIRE AND VIBRATION RESISTANT MOUNTING. PER UDOT STANDARD "SL" DRAWINGS AND SPECIFICATION 16525.
	STANDARD DUAL ROADWAY LUMINAIRE POLE MOUNTED, FULL CUT-OFF, LED TYPE B, PER UDOT STANDARD "SL" DRAWINGS AND SPECIFICATION 16525.
	STANDARD ROADWAY LUMINAIRE POLE MOUNTED, FULL CUT-OFF, LED TYPE A OR B, PER UDOT STANDARD "SL" DRAWINGS AND SPECIFICATION 16525.
	SIGNAL POLE LUMINAIRE EXTENSION W/ARM POLE MOUNTED, FULL CUT-OFF, LED TYPE A OR B, PER UDOT STANDARD "SL" DRAWINGS AND SPECIFICATION 16525.
	DECORATIVE LIGHT POLE
I-PC	TYPE I- POLYMER CONCRETE JUNCTION BOX, PER UDOT STANDARD "AT-7" DRAWINGS.
II-PC	TYPE II- POLYMER CONCRETE JUNCTION BOX, PER UDOT STANDARD "AT-7" DRAWINGS.
III-PC	TYPE III- POLYMER CONCRETE JUNCTION BOX, PER UDOT STANDARD "AT-7" DRAWINGS.
	JUNCTION BOX GALVANIZED STEEL - INSTALLED FLUSH TO STRUCTURE DECK, PIER, OR BARRIER SURFACE,12" X 12"X 6", NEMA 3R W/ COVER PER UDOT SPECIFCATION16526.
	SAME JUNCTION BOX USED FOR SIGNAL CIRCUIT
	TRAFFIC SIGNAL / ATMS CABINET
PS	POWER SERVICE POINT
	GROUND ROD, 10' X 3/4" COPPER CLAD
	POWER POLE
	POWER POLE (EX)
M	UTILITY METER, PER INSTALL PER UDOT STANDARD DRAWINGS AND UTILITY STANDARD. UTILITY TO PROVIDE AND INSTALL UTILITY METER AND CONTRCATOR TO INSTALL METER BOXES AND CT PER UTILITY STANDARDS
	SUPPLEMENTAL DISCONNECT, (ENCLOSED CIRCUIT BREAKER) PER UDOT STANDARD "AT-9" DRAWINGS.
	SUPPLEMENTAL DISCONNECT (ENCLOSED CIRCUIT BREAKER) & TRANSFORMER WITH FRAME, PER UDOT STANDARD "AT-9" DRAWINGS.
	UNDERGROUND SERVICE PEDESTAL.- THE CONTRACTOR WILL PROVIDE AND INSTALL UNDERGROUND SERVICE PEDESTAL. LOCATION NOTED WITH "UPS" WILL NEED TO BE PROVIDED WITH A SERVICE PEDESTAL WITH UNINTERUPTIBLE POWER SOURCE, PROVIDE BOTH PER UDOT STANDARD "SL-3" DRAWINGS AND THE UTILITY WILL PROVIDE AND INSTALL METER AT THE SERVICE PEDESTAL LOCATION.
	STATE FURNISHED CCTV SYSTEM & POLE
C### #	LIGHT POLE IDENTIFICATION C = COBRA D = DECORATIVE U = UNDERSTRUCTURE LUMINAIRE P = UNDERSTRUCTURE LUMINAIRE - PEDESTRIAN ### = POLE NUMBER # = CIRCUIT X

LIGHTING LINE STYLE LEGEND

REQ'D	TYPE
LTG	UNDERGROUND LIGHTING CONDUIT
	EXISTING CONDUIT

GENERAL PLAN NOTES

1. CONDUIT(S) PATHS SHOWN ON PLANS MAY NOT REPRESENT ACTUAL FIELD LOCATION AND CONDITIONS. FIELD LOCATE ALL NEW CONDUIT, EXISTING CONDUIT, JUNCTION BOXES, AND UTILITIES BEFORE CONSTRUCTION.
2. INSTALL CONDUIT A MINIMUM 30 INCHES DEEP.
3. CONTRACTOR TO VERIFY LOCATION OF UTILITIES AND DRAINAGE STRUCTURES IN THE FIELD PRIOR TO INSTALLATION OF PROPOSED EQUIPMENT. CONTRACTOR TO ADJUST LOCATION OF CONDUITS TO AVIOD CONFLICTS AS NEEDED WHILE MAINTAINING A MINIMUM OF 1 FOOT OF CLEARANCE BETWEEN CONDUITS AND ALL UTILITIES.
4. ALL CONSTRUCTION SHALL COMPLY WITH 2024 UDOT STANDARD DRAWINGS & SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, FOR LIGHTING PLANS SEE SL SERIES.
5. COMPLETE ALL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL ELECTRICAL SAFETY CODE (NESC), AND LOCAL REGULATIONS.
6. ALL ELECTRICAL EQUIPMENT SHALL BE U.L. LISTED.
7. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
8. THE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC IN NATURE AND SHOW RELATIVE LOCATIONS OF DEVICES AND EQUIPMENT. COORDINATE WITH THE ACTUAL EQUIPMENT INSTALLED.
9. COORDINATE ELECTRICAL WORK WITH THE WORK OF OTHER TRADES.
10. ALL CONDUCTORS SHALL BE COPPER.
11. CONTRACTOR IS RESPONSIBLE TO LOCATE AND PROTECT UTILITY LINES AND PIPING IN THE AREA UNDER CONSTRUCTION.
12. ALL ROADWAY LUMINAIRE POLES AND ARMS SHALL BE INTERCHANGEABLE WITH THE CURRENT UDOT POLE STANDARD AND MEET STRUCTURAL DESIGN CRITERIA PER UDOT "SL" DRAWINGS AND SPECIFICATION 16525.
13. CONTACT SERVING POWER UTILITY COMPANY A MINIMUM OF THIRTY (30) WORKING DAYS PRIOR TO POWER TURN-ON.
14. PROVIDE POWER PEDESTAL FOR HIGHWAY LIGHTING PER UDOT STANDARD SPECIFICATION 16525. POWER PEDESTAL TO INCLUDE DISCONNECT.
15. LOOP CONDUIT AROUND UTILITIES.
16. CONTACT BLUE STAKES 48 HOURS PRIOR TO DIGGING AT 801-662-4111.
17. REFER TO UDOT STANDARD SPECIFICATIONS 13594 FOR MINIMUM SLACK REQUIREMENTS IN JUNCTION BOXES.
18. REFER TO UDOT STANDARD SPECIFICATIONS AND UDOT STANDARD DRAWINGS FOR INSTALLATION OF ALL LIGHTING ITEMS.

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

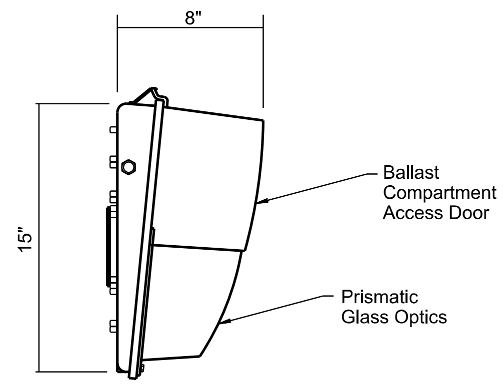
DRAWN BY ZDB
QC CHECKED BY ALP
DATE 7/2/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT I-15; 1800 NORTH INTERCHANGE
PIN 15682
PROJECT NUMBER S-I15-8(157)336
LIGHTING DETAIL

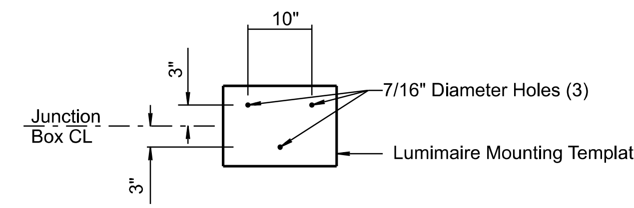
SHEET NO. LTDT-01

2-JUL-2024

EXHIBIT C



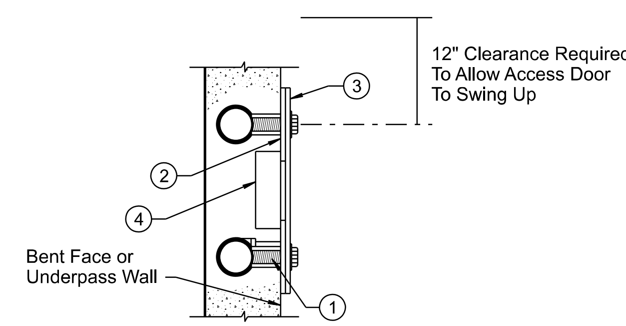
WALLPACK LUMINAIRE SIDE VIEW



FRONT VIEW
WALLPACK LUMINAIRE MOUNTING TEMPLATE

WALLPACK UNDERDECK LUMINAIRE MOUNTING NOTES:

1. THE LUMINAIRE MUST BE SECURED TO THE STRUCTURE WITH GALVANIZED, CONCRETE EMBEDDED ANCHOR BOLTS.
2. ALL LUMINAIRE MOUNTING HOLES AND DIMENSIONS MUST BE VERIFIED WITH THE LUMINAIRE MANUFACTURER PRIOR TO TEMPLATE FABRICATION.
3. ALL FIXTURES ARE TO BE LOCATED AS SHOWN ON THE UNDERDECK LIGHTING PLANS.
4. ADJUST BOLT PATTERN AND DIMENSIONS AS NECESSARY TO FIT SELECTED LUMINAIRE.
5. NO DRILLING IN STRUCTURES SHALL BE ALLOWED.
6. CONDUIT ROUTINGS APPROXIMATE. EXACT ROUTINGS TO BE DETERMINED IN THE FIELD FOLLOWING REQUIREMENTS IN LIGHTING AND STRUCTURAL PLAN SHEETS.
7. SEE STRUCTURAL PLANS FOR ADDITIONAL DETAILS.



WALLPACK MOUNTING ASSEMBLY DETAIL

ITEM NO.	QUANTITY	MATERIAL LIST PER INSTALLATION DESCRIPTION
1	3	3/8" Galvanized Ferrule Insert
2	1	Adhesive Backed Water-Tight Gasket (1" Wide Min)
3	1	Mounting Template
4	1	4" x 4" x 2.2" Recessed Junction Box

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

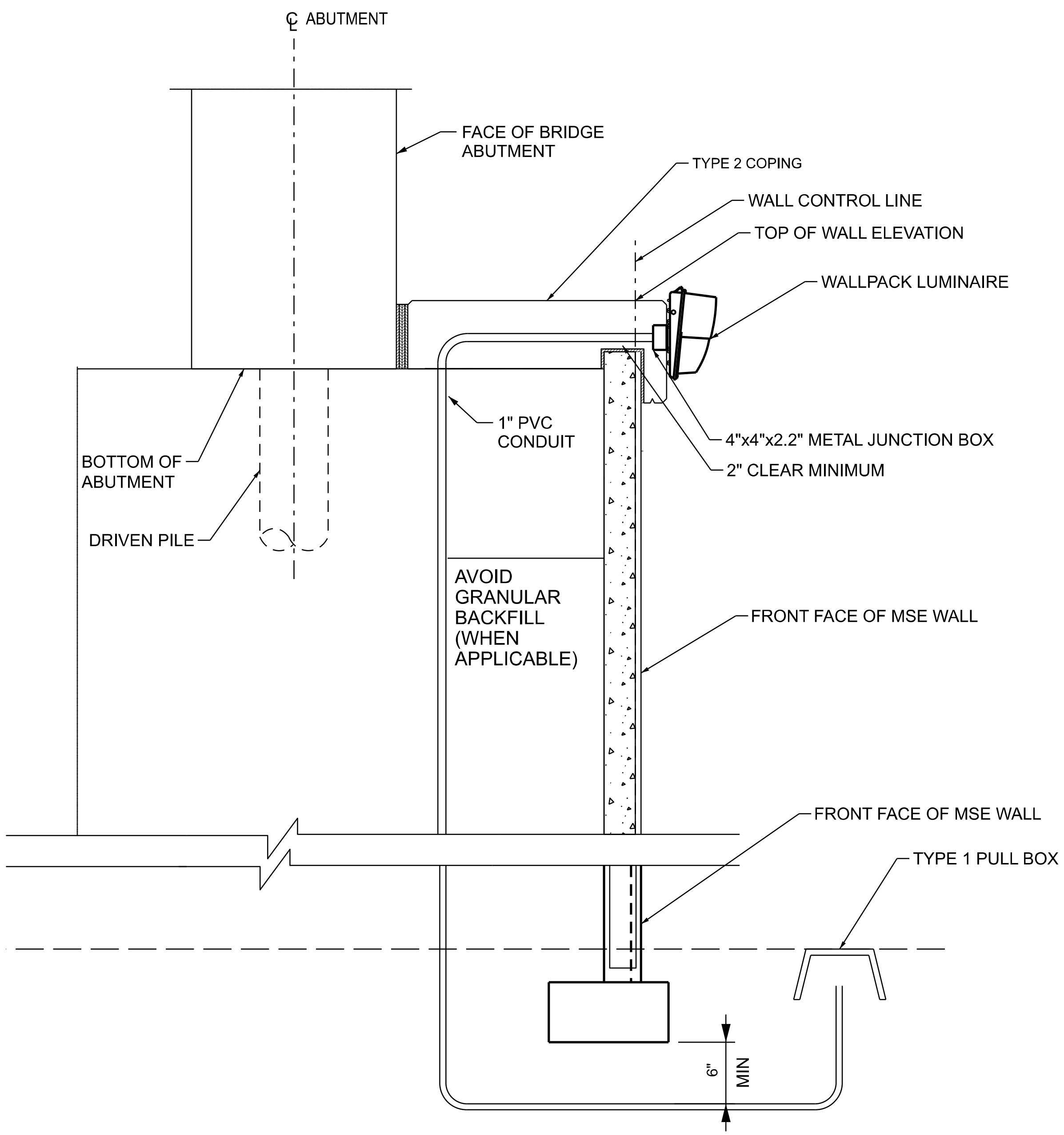
DRAWN BY: ZDB
QC CHECKED BY: ALP
APPROVED
DATE: 7/2/2024
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
LIGHTING DETAIL

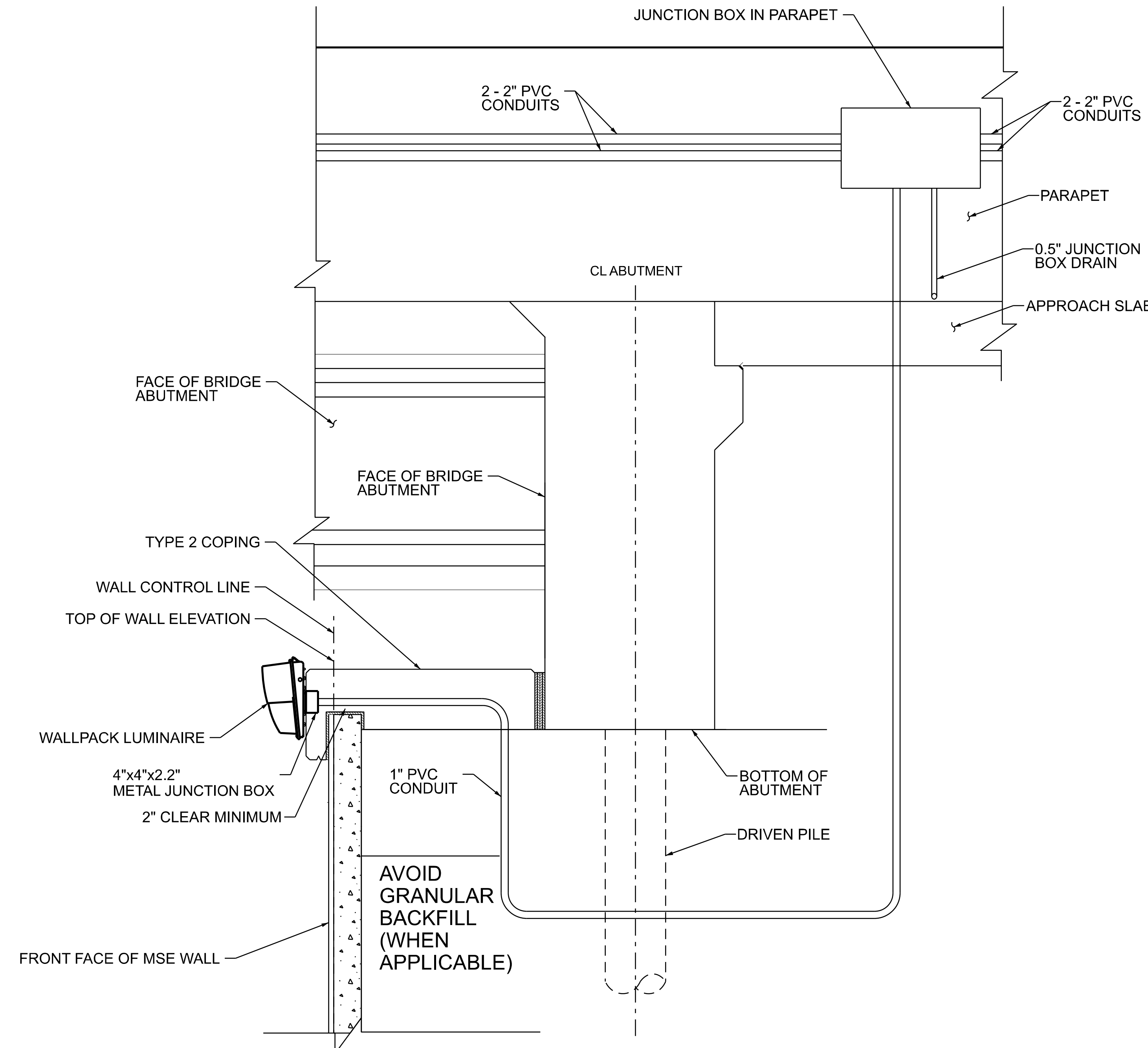
SHEET NO. LTDT-02

2-JUL-2024

EXHIBIT C



TYPICAL DETAIL
WALLPACK LIGHT ON MSE WALL COPING



TYPICAL DETAIL
WALLPACK LIGHT ON MSE WALL COPING AND CONDUIT THROUGH PARAPET

NO.	DATE	APPROVED BY	REMARKS

REVISIONS

UTAH DEPARTMENT OF TRANSPORTATION

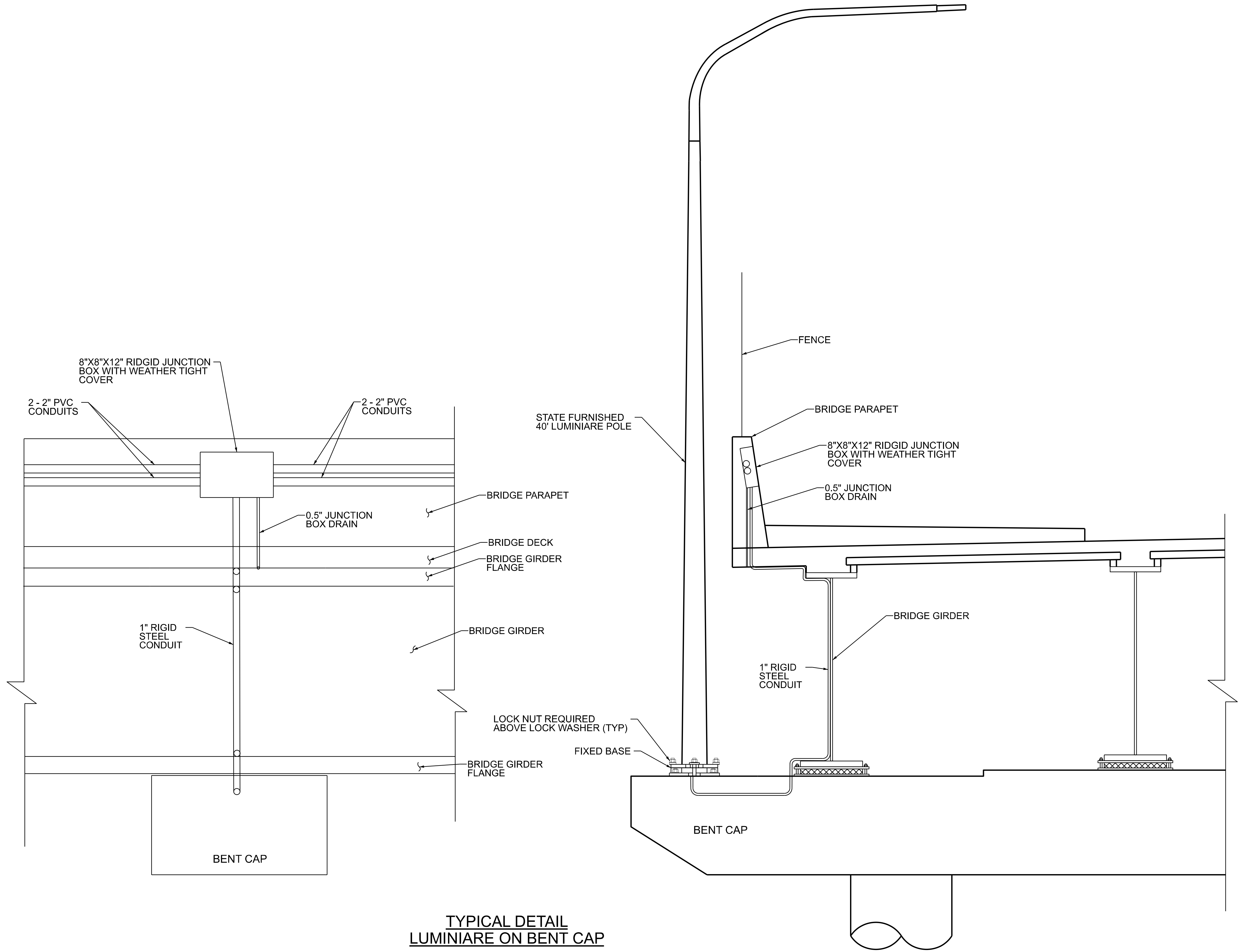
DRAWN BY ZDB
QC CHECKED BY ALP
DATE 7/2/2024
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
LIGHTING DETAIL

SHEET NO. LTDT-03

2-JUL-2024

EXHIBIT C



TYPICAL DETAIL
LUMINIARE ON BENT CAP

NO.	DATE	APPROVED BY	REVISIONS / REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

DRAWN BY ZDB
QC CHECKED BY ALP

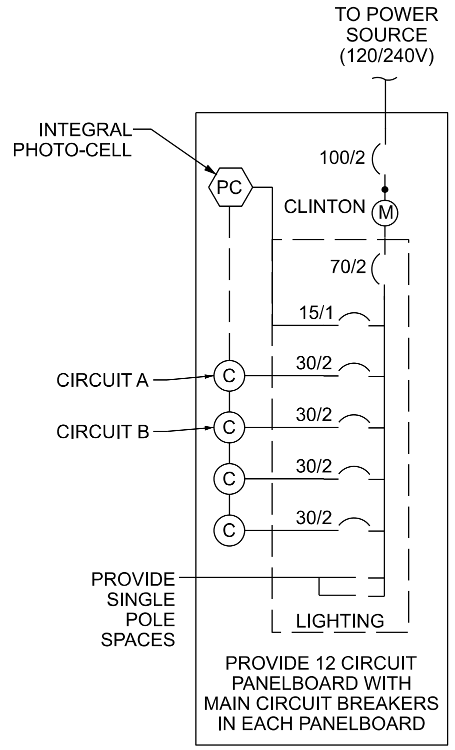
APPROVED
PROFESSIONAL ENGINEER
DATE 7/2/2024

PROJECT I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER S-I15-8(157)336
PIN 15682

LIGHTING DETAIL

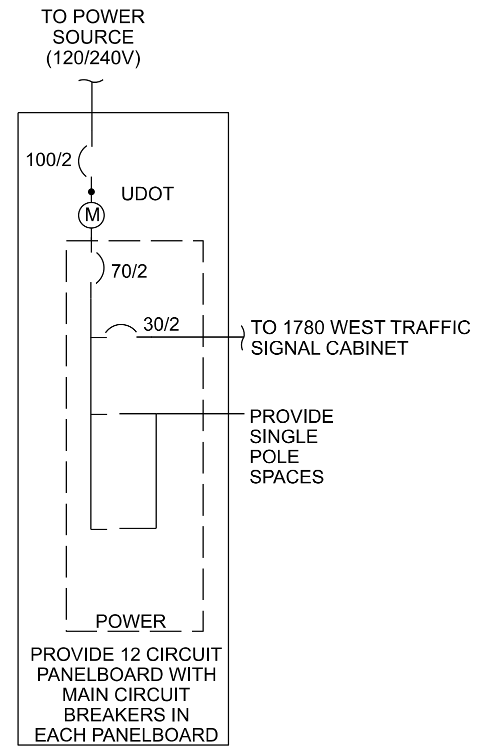
SHEET NO. LTDT-04

EXHIBIT C



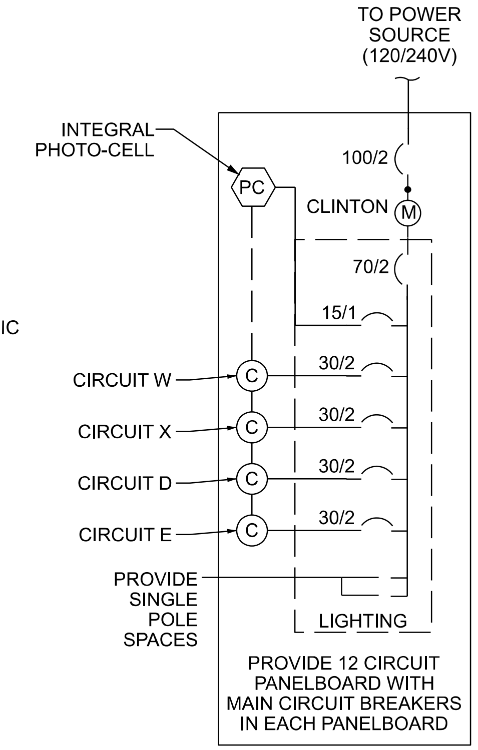
UNDERGROUND SERVICE PEDESTAL

4 CONTROL DIAGRAM
NO SCALE



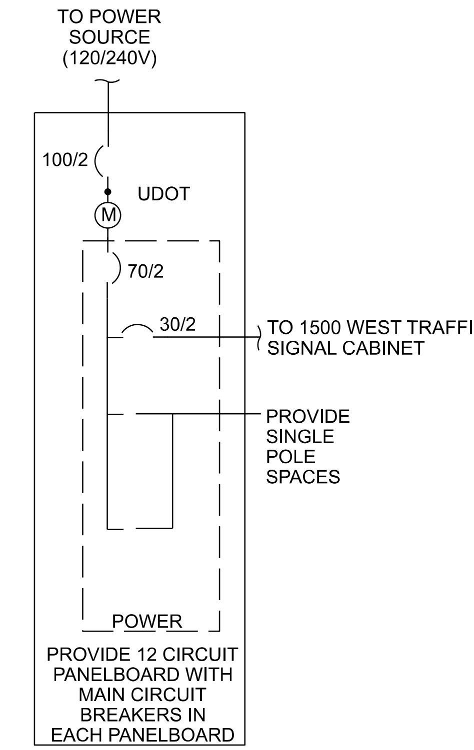
UNDERGROUND SERVICE PEDESTAL

5 CONTROL DIAGRAM
NO SCALE



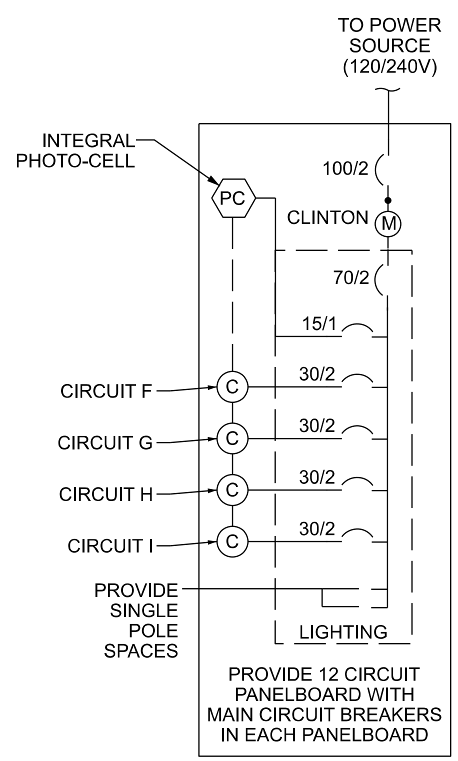
UNDERGROUND SERVICE PEDESTAL

6 CONTROL DIAGRAM
NO SCALE



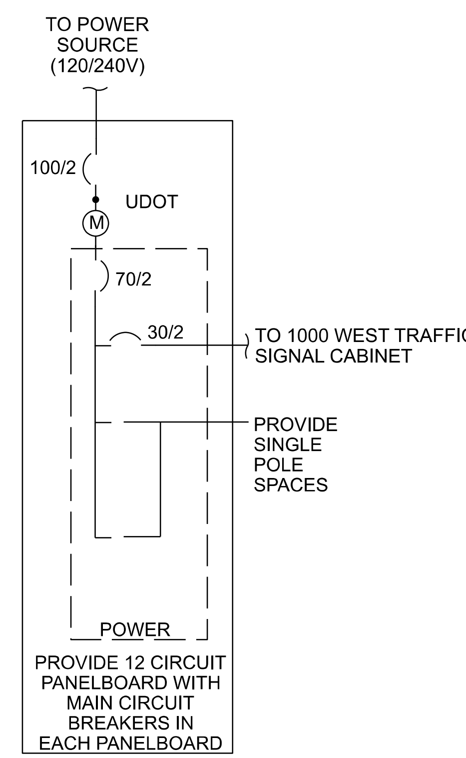
UNDERGROUND SERVICE PEDESTAL

7 CONTROL DIAGRAM
NO SCALE



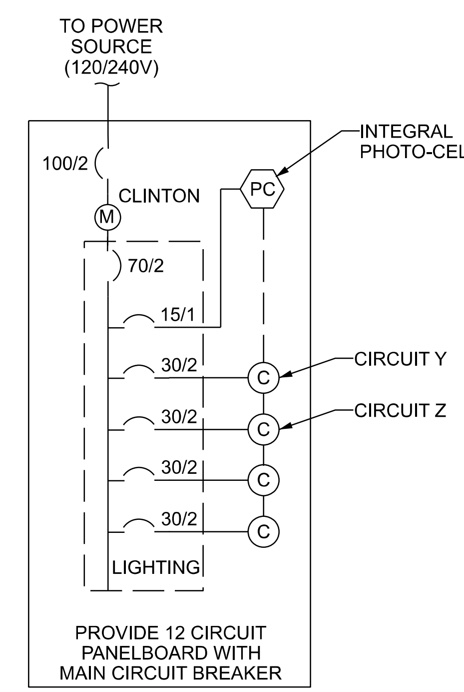
UNDERGROUND SERVICE PEDESTAL

8 CONTROL DIAGRAM
NO SCALE



UNDERGROUND SERVICE PEDESTAL

9 CONTROL DIAGRAM
NO SCALE



UNDERGROUND SERVICE PEDESTAL

10 CONTROL DIAGRAM
NO SCALE

NOTES:
1. SEE ITSDT-02 FOR CONTROL DIAGRAMS 1-3.

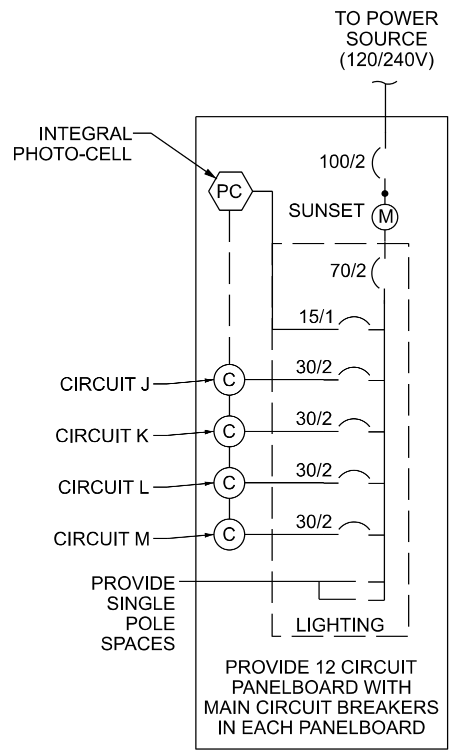
REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

DRAWN BY	ZDB
QC CHECKED BY	ALP
APPROVED	
DATE	7/2/2024
PROFESSIONAL ENGINEER	
PROJECT	I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER	S-I15-8(157)336
PIN	15682
	LIGHTING DETAIL
SHEET NO.	LTDT-05

2-JUL-2024

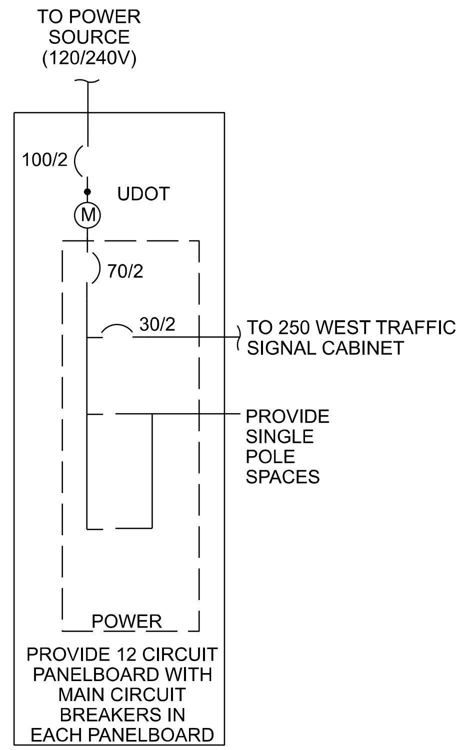
EXHIBIT C



UNDERGROUND SERVICE PEDESTAL

11 CONTROL DIAGRAM

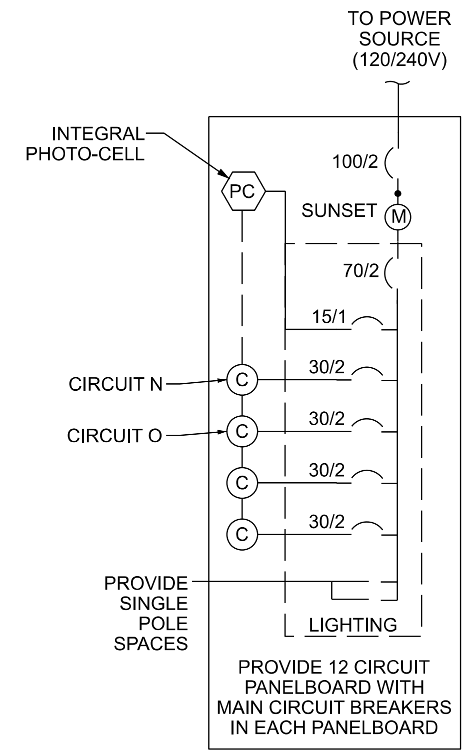
NO SCALE



UNDERGROUND SERVICE PEDESTAL

12 CONTROL DIAGRAM

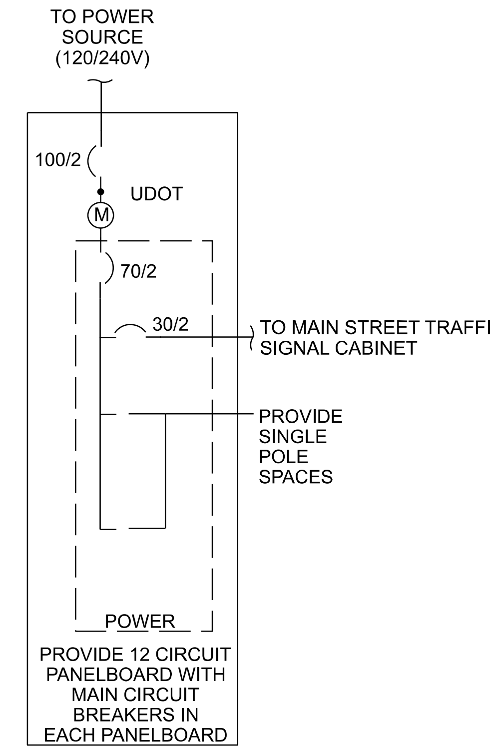
NO SCALE



UNDERGROUND SERVICE PEDESTAL

13 CONTROL DIAGRAM

NO SCALE



UNDERGROUND SERVICE PEDESTAL

14 CONTROL DIAGRAM

NO SCALE

NOTES:

1. SEE ITSDT-02 FOR CONTROL DIAGRAMS 1-3.

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

DRAWN BY ZDB

QC CHECKED BY ALP

APPROVED

PROFESSIONAL ENGINEER

7/2/2024 DATE

PROJECT I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER S-I15-8(157)336

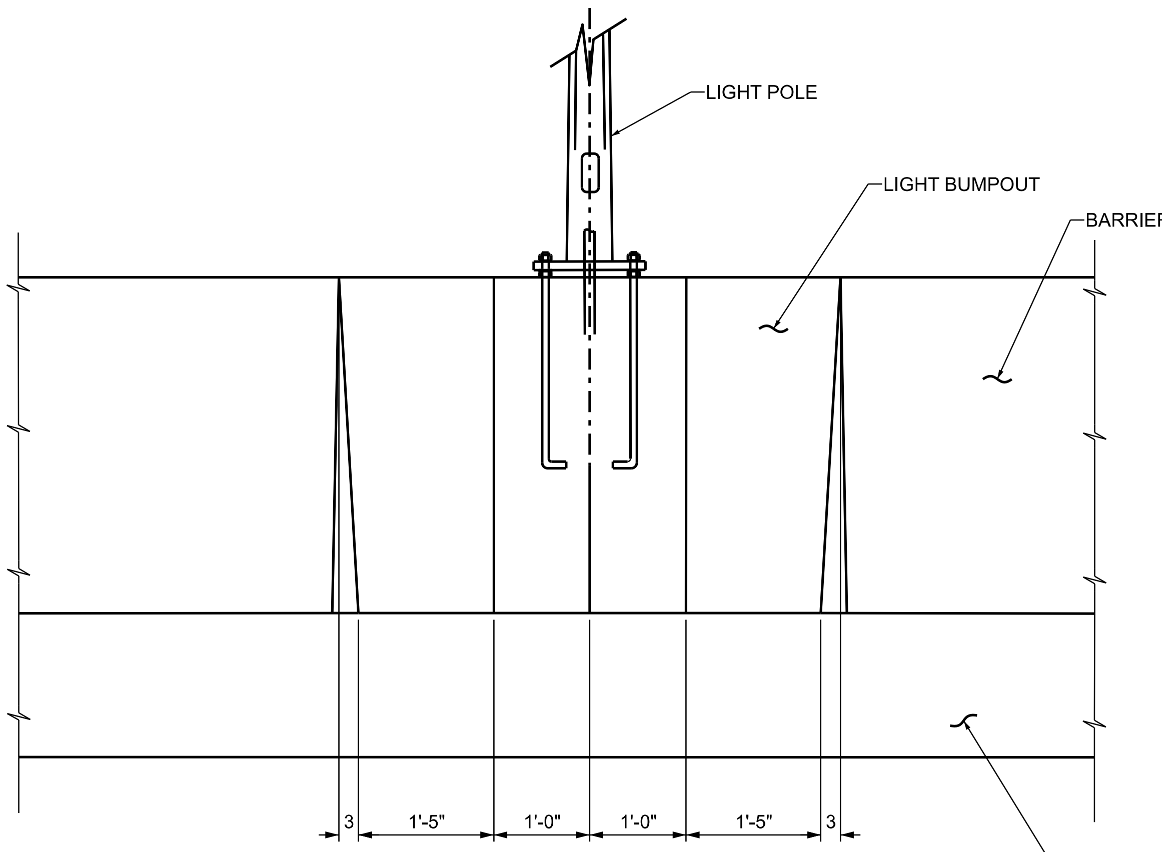
PIN 15682

LIGHTING DETAIL

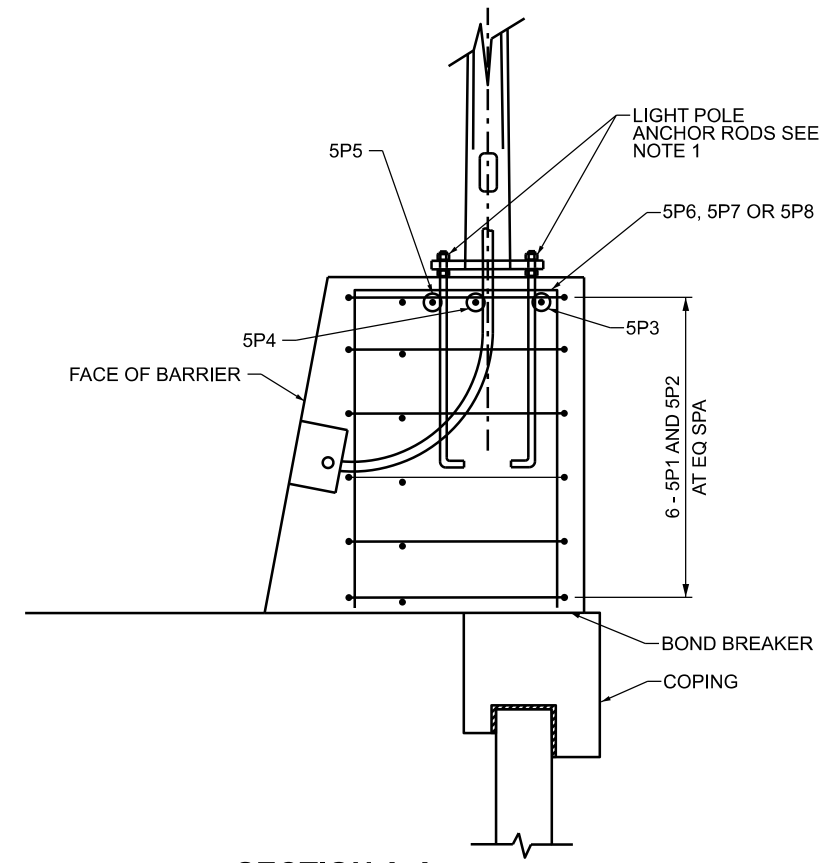
SHEET NO. LTDT-06

2-JUL-2024

EXHIBIT C

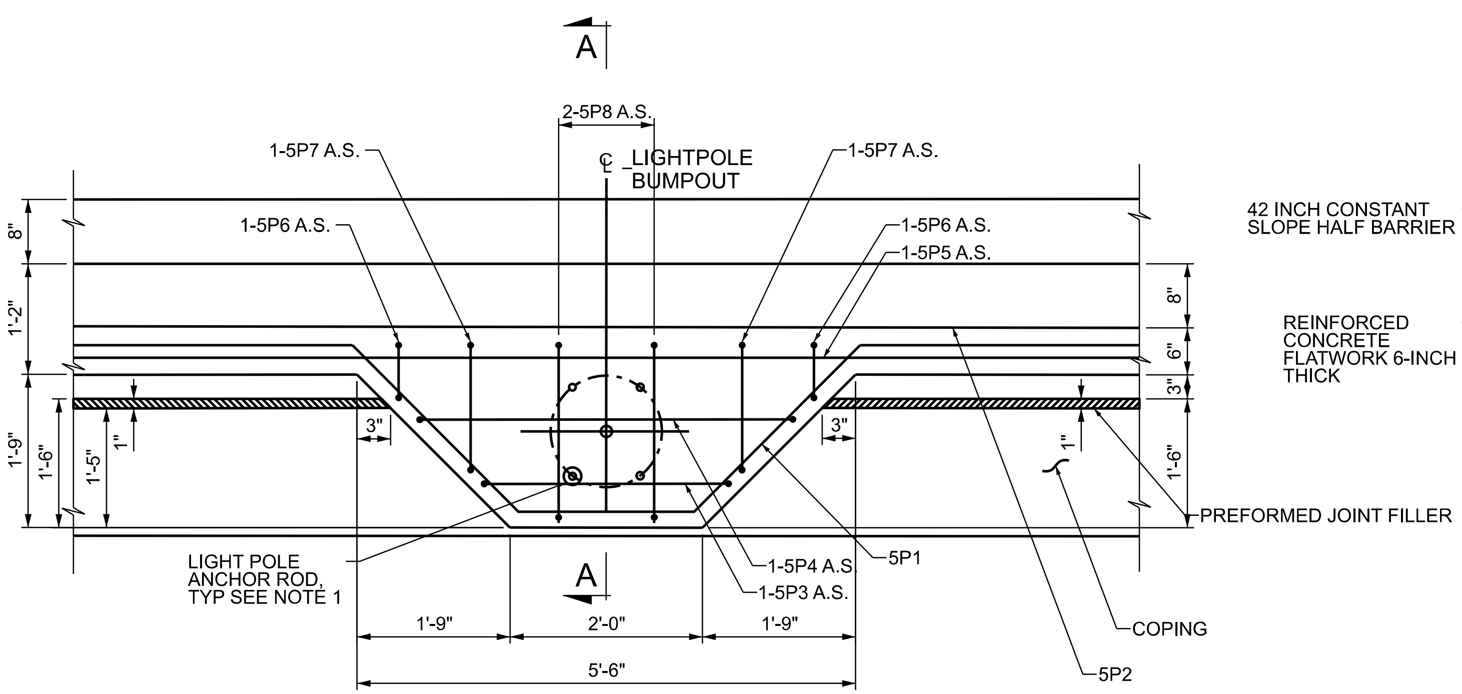


ELEVATION
BARRIER
REINFORCING NOT SHOWN
FOR CLARITY

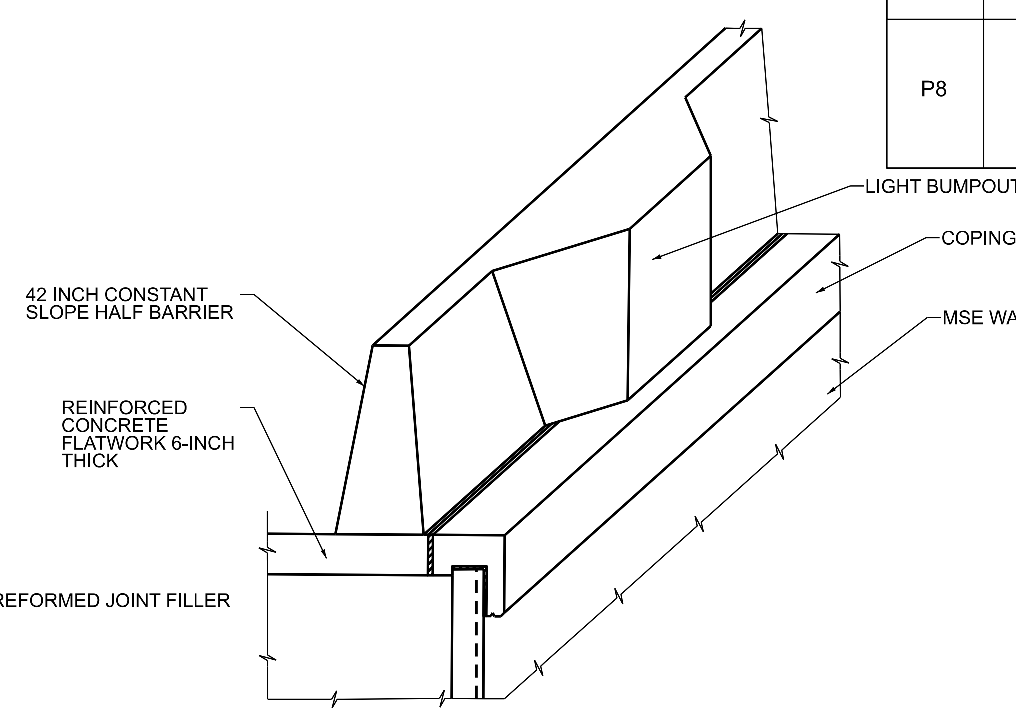


SECTION A-A
BARRIER REINFORCING
NOT SHOWN FOR CLARITY

BAR MARK	BAR SIZE	SKETCH
P1	5	2'-0" TYP; 2'-0"; 1'-9"
P2	5	10'-0"
P3	5	2'-6"; 3'-2"
P4	5	3'-11"; 3'-2"
P5	5	5'-3"; 3'-2"
P6	5	11"; 3'-2"
P7	5	1'-7"; 3'-2"
P8	5	2'-1"; 3'-2"



PLAN
BARRIER
REINFORCING NOT SHOWN
FOR CLARITY



ISOMETRIC

NOTES:
1. SEE LIGHTING PLANS AND SCHEDULE FOR LOCATIONS OF BARRIER LIGHT BUMPOUTS.

REVISIONS | NO. | DATE | APPROVED BY | REMARKS

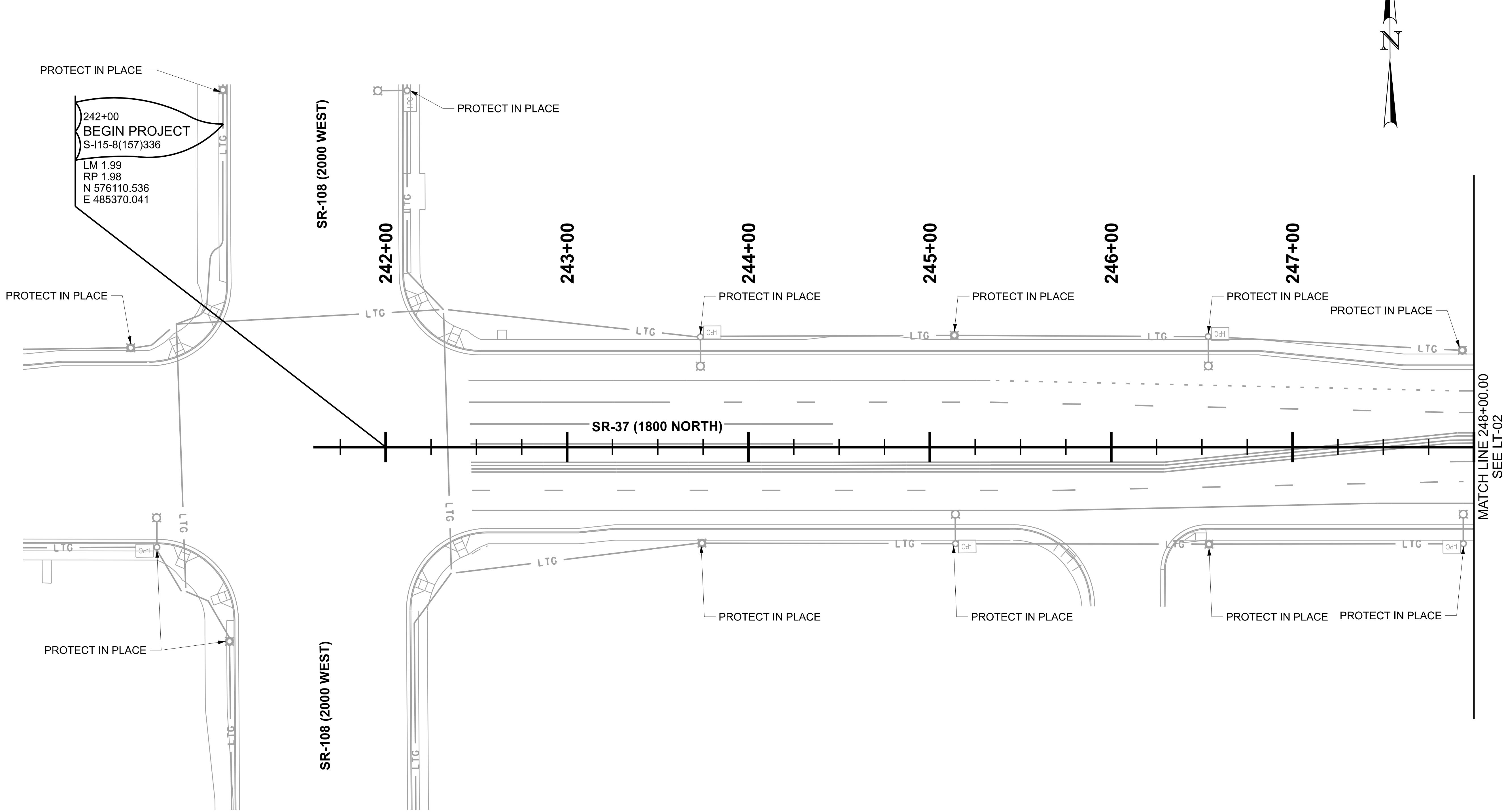
UTAH DEPARTMENT OF TRANSPORTATION
DRAWN BY ZDB
QC CHECKED BY ALP
APPROVED
7/2/2024
DATE
PROFESSIONAL ENGINEER

PROJECT I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER S-I15-8(157)336
PIN 15682
LIGHTING DETAIL

SHEET NO. LTDT-07

EXHIBIT C

NO LIGHTING WORK THIS SHEET



REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

DAVID EVANS AND ASSOCIATES, INC.

DRAWN BY	KMH
QC CHECKED BY	ASB

APPROVED

8/5/2024

DATE

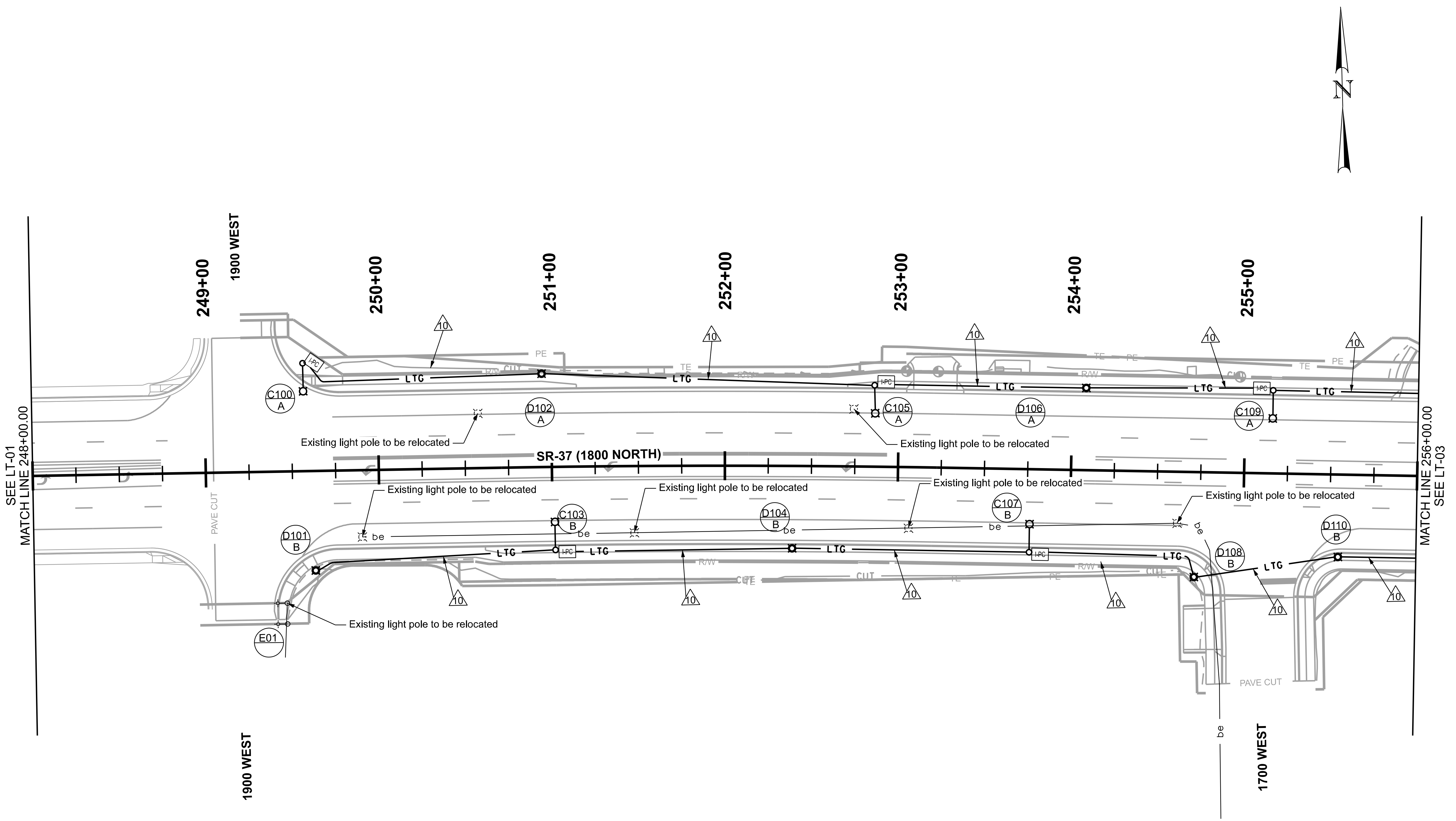
PROFESSIONAL ENGINEER

PROJECT	I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER	S-I15-8(157)336
PIN	15682
	LIGHTING

SHEET NO. LT-01

5-AUG-2024

EXHIBIT C



LIGHTING CIRCUIT SCHEDULE

NO.	DESCRIPTION
10	1-2"C., 3-#6 AWG STRANDED COPPER USE-2/RHW-2, 1-#6 GROUND BARE COPPER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

DAVID EVANS AND ASSOCIATES, INC.

DRAWN BY: KMH
QC CHECKED BY: ASB

8/5/2024
DATE

APPROVED

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

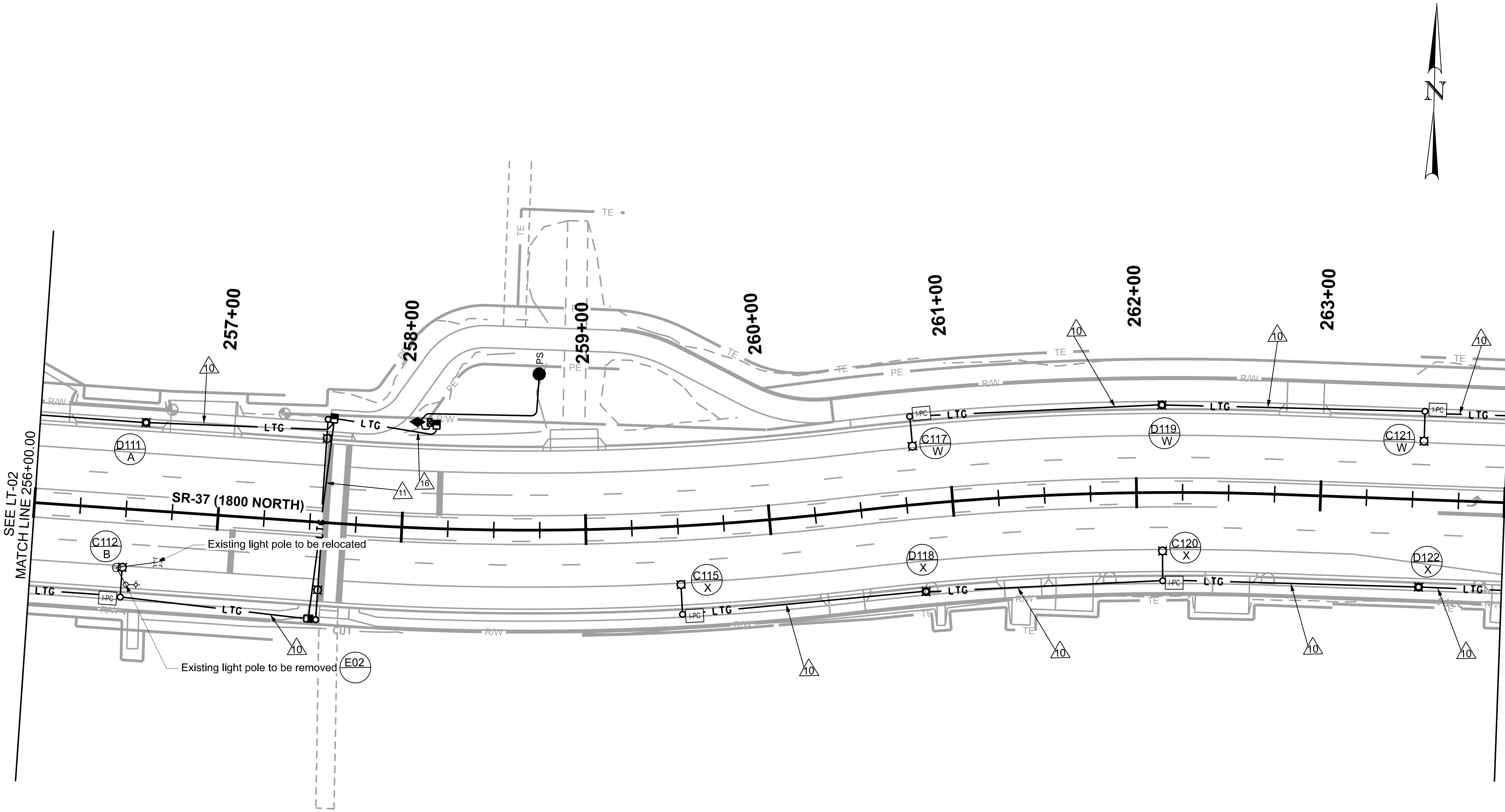
PROJECT NUMBER: S-I15-8(157)336

PIN: 15682

LIGHTING

SHEET NO. LT-02

EXHIBIT C



LIGHTING CIRCUIT SCHEDULE

NO.	DESCRIPTION
1	1-2"C., 2-#6 AWG STRANDED COPPER USE-2/RHW-2, 1-#6 GROUND BARE COPPER
10	1-2"C., 3-#6 AWG STRANDED COPPER USE-2/RHW-2, 1-#6 GROUND BARE COPPER
11	3-#6 AWG STRANDED COPPER USE-2/RHW-2 IN SAME CONDUIT AS SIGNAL LIGHTING CONDUIT
16	6-#6 AWG STRANDED COPPER USE-2/RHW-2 IN SAME CONDUIT AS SIGNAL LIGHTING CONDUIT

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

DAVID EVANS AND ASSOCIATES, INC.

APPROVED

PROFESSIONAL ENGINEER

8/5/2024

DATE

DRAWN BY KMH

QC CHECKED BY ASB

PROJECT: I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER: S-I15-8(157)336

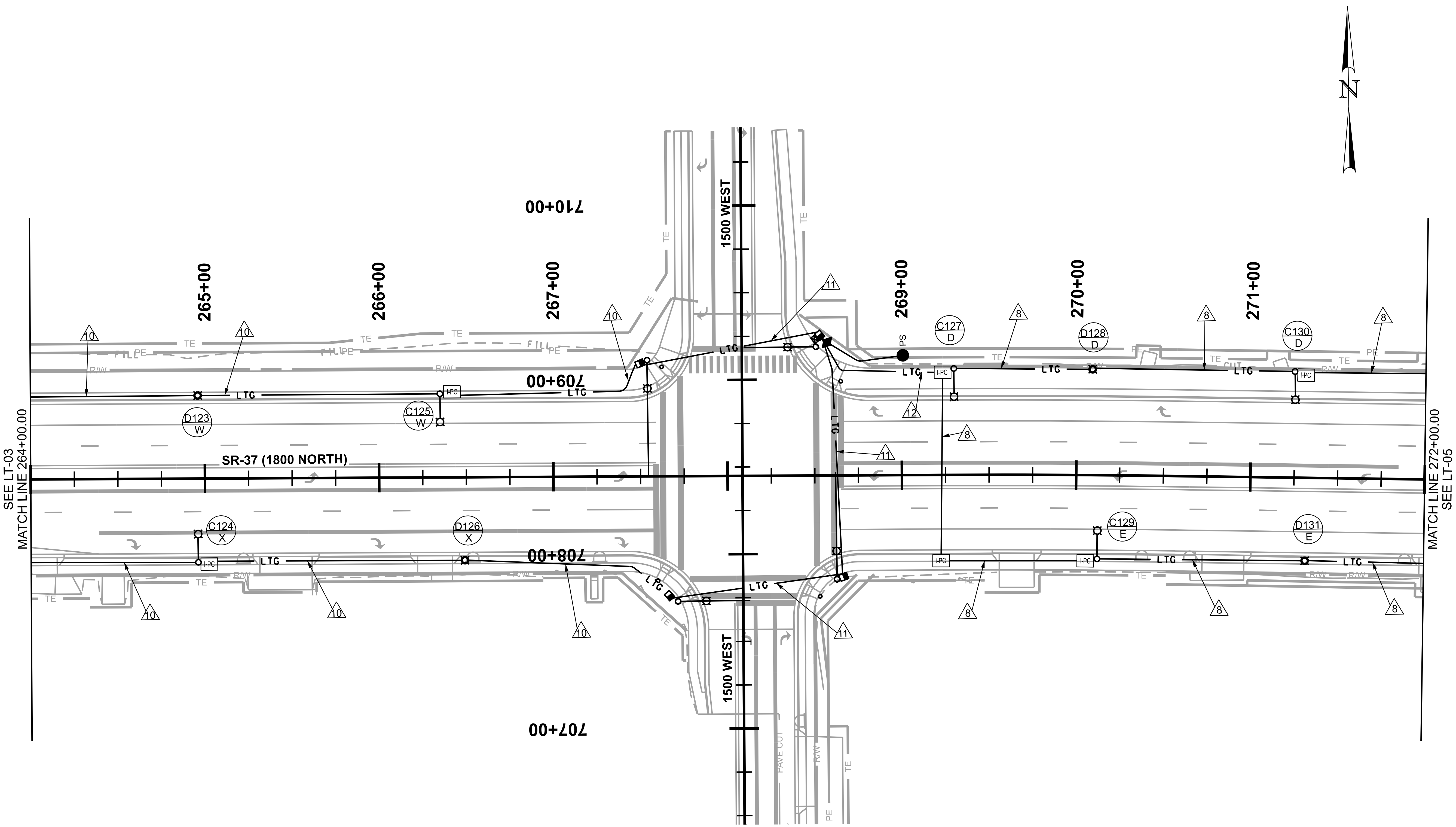
PIN 15682

LIGHTING

SHEET NO. LT-03

5-AUG-2024

EXHIBIT C



LIGHTING CIRCUIT SCHEDULE

NO.	DESCRIPTION
8	1-2"C., 3-#2 AWG STRANDED COPPER USE-2/RHW-2, 1-#2 GROUND BARE COPPER
10	1-2"C., 3-#6 AWG STRANDED COPPER USE-2/RHW-2, 1-#6 GROUND BARE COPPER
11	3-#6 AWG STRANDED COPPER USE-2/RHW-2 IN SAME CONDUIT AS SIGNAL LIGHTING CONDUIT
12	1-2"C., 6-#2 AWG STRANDED COPPER USE-2/RHW-2, 1-#2 GROUND BARE COPPER

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
DAVID EVANS AND ASSOCIATES, INC.

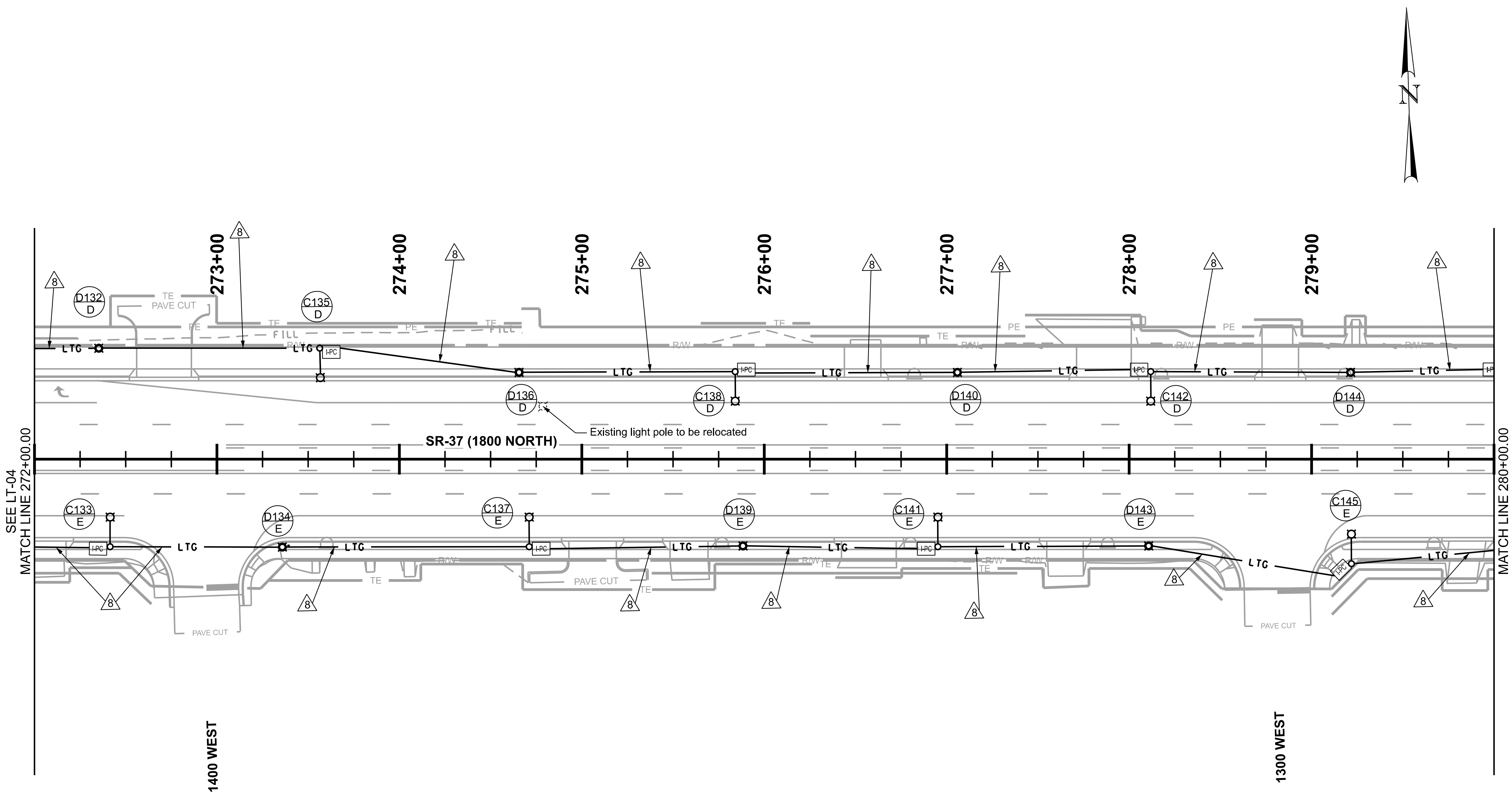
DRAWN BY: KMH
QC CHECKED BY: ASB

APPROVED
8/5/2024
DATE
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
LIGHTING

SHEET NO. LT-04

EXHIBIT C



LIGHTING CIRCUIT SCHEDULE

NO.	DESCRIPTION
8	1-2"C., 3-#2 AWG STRANDED COPPER USE-2/RHW-2, 1-#2 GROUND BARE COPPER

NO.	DATE	APPROVED BY	REMARKS

REVISIONS

UTAH DEPARTMENT OF TRANSPORTATION
DAVID EVANS AND ASSOCIATES, INC.

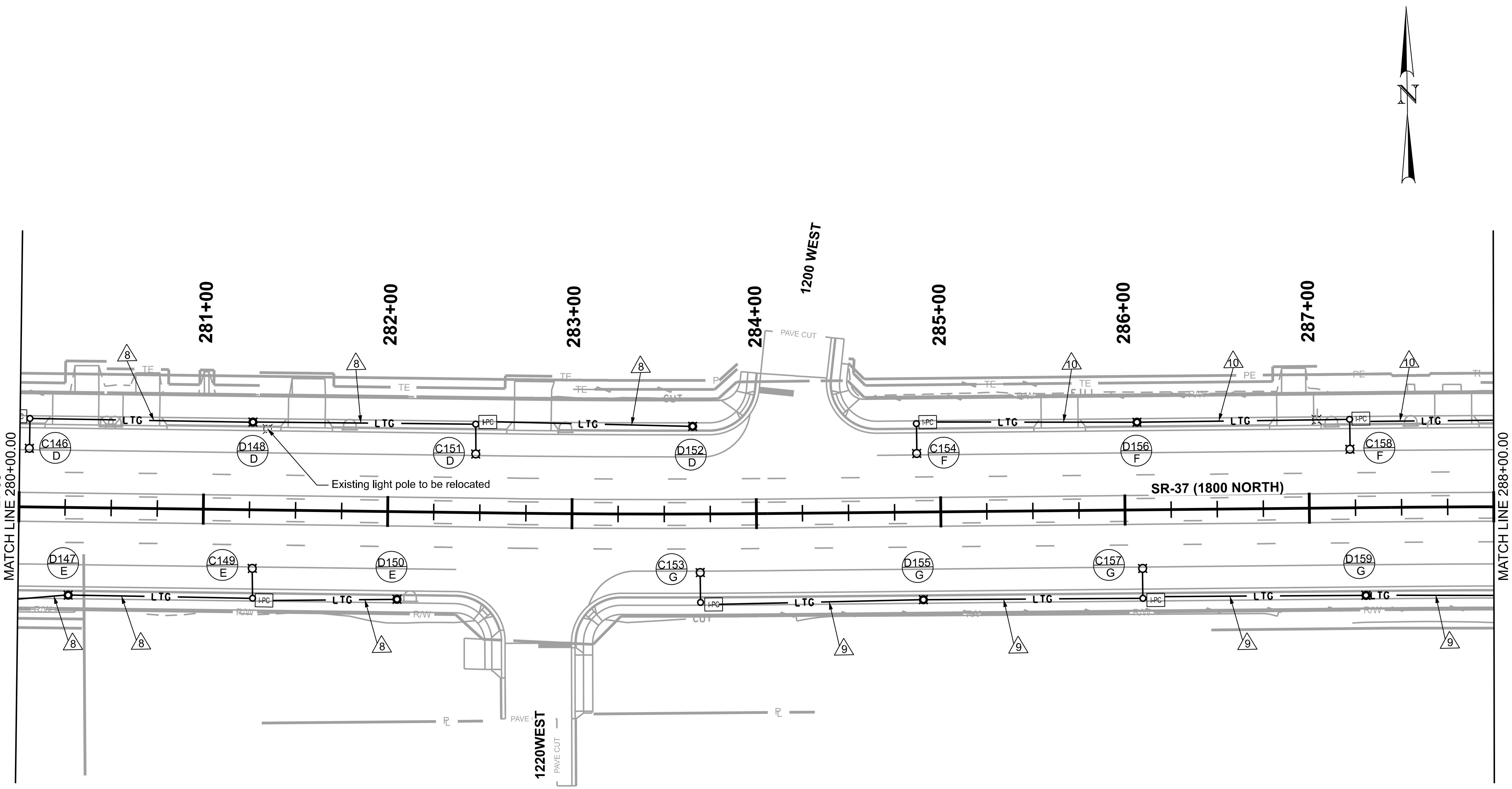
DRAWN BY KMH
QC CHECKED BY ASB

APPROVED
PROFESSIONAL ENGINEER
8/5/2024
DATE

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN 15682
LIGHTING

SHEET NO. LT-05

EXHIBIT C



LIGHTING CIRCUIT SCHEDULE

NO.	DESCRIPTION
8	1-2"C., 3-#2 AWG STRANDED COPPER USE-2/RHW-2, 1-#2 GROUND BARE COPPER
9	1-2"C., 3-#4 AWG STRANDED COPPER USE-2/RHW-2, 1-#4 GROUND BARE COPPER
10	1-2"C., 3-#6 AWG STRANDED COPPER USE-2/RHW-2, 1-#6 GROUND BARE COPPER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

DAVID EVANS AND ASSOCIATES, INC.

DRAWN BY KMH

QC CHECKED BY ASB

APPROVED

8/5/2024 DATE

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

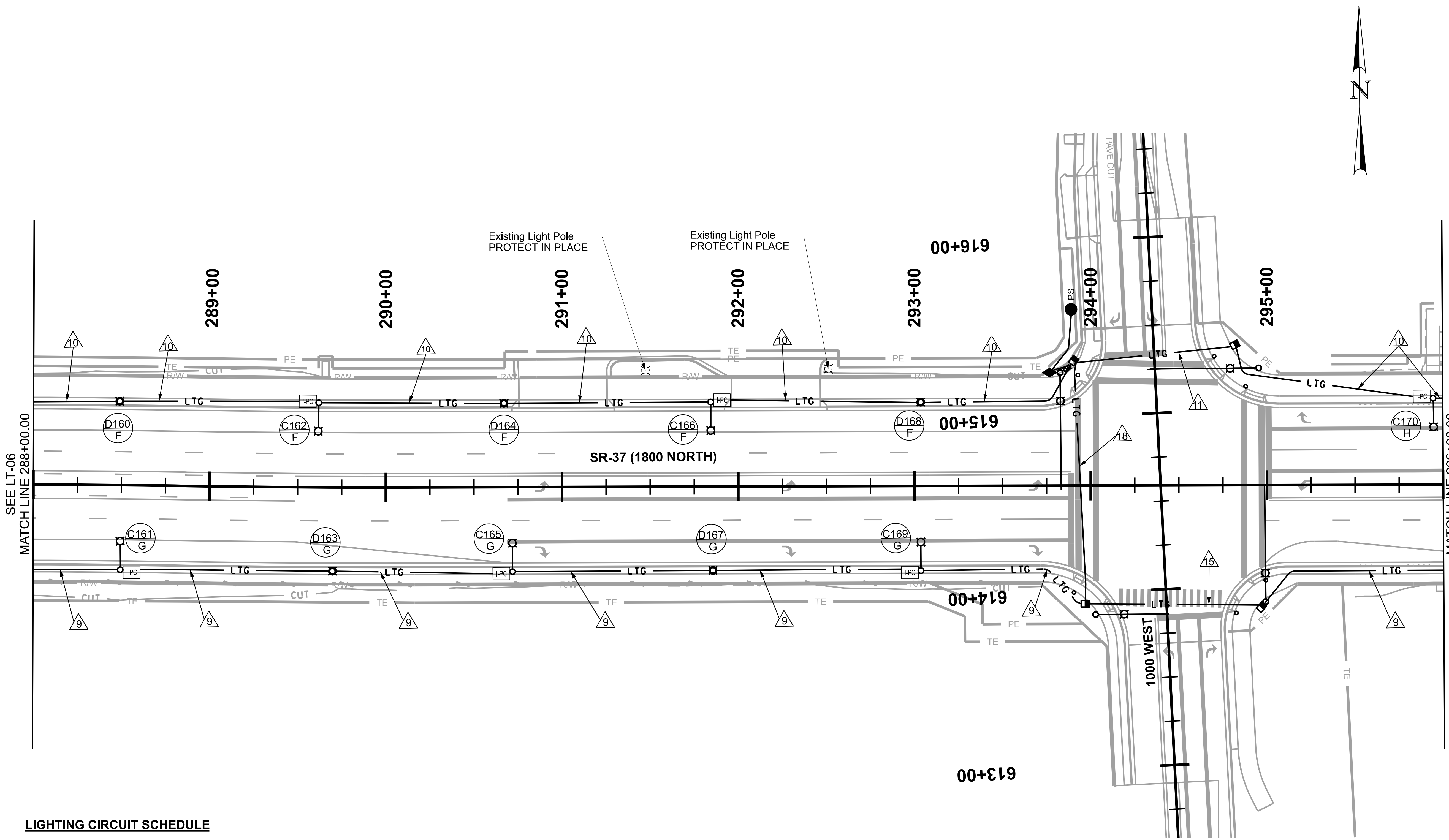
PROJECT NUMBER: S-I15-8(157)336

PIN 15682

LIGHTING

SHEET NO. LT-06

EXHIBIT C



LIGHTING CIRCUIT SCHEDULE

NO.	DESCRIPTION
9	1-2"C., 3-#4 AWG STRANDED COPPER USE-2/RHW-2, 1-#4 GROUND BARE COPPER
10	1-2"C., 3-#6 AWG STRANDED COPPER USE-2/RHW-2, 1-#6 GROUND BARE COPPER
11	3-#6 AWG STRANDED COPPER USE-2/RHW-2 IN SAME CONDUIT AS SIGNAL LIGHTING CONDUIT
15	3-#4 AWG STRANDED COPPER USE-2/RHW-2, IN SAME CONDUIT AS SIGNAL LIGHTING CONDUIT
18	6-#4 AWG STRANDED COPPER USE-2/RHW-2, IN SAME CONDUIT AS SIGNAL LIGHTING CONDUIT

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
DAVID EVANS AND ASSOCIATES, INC.

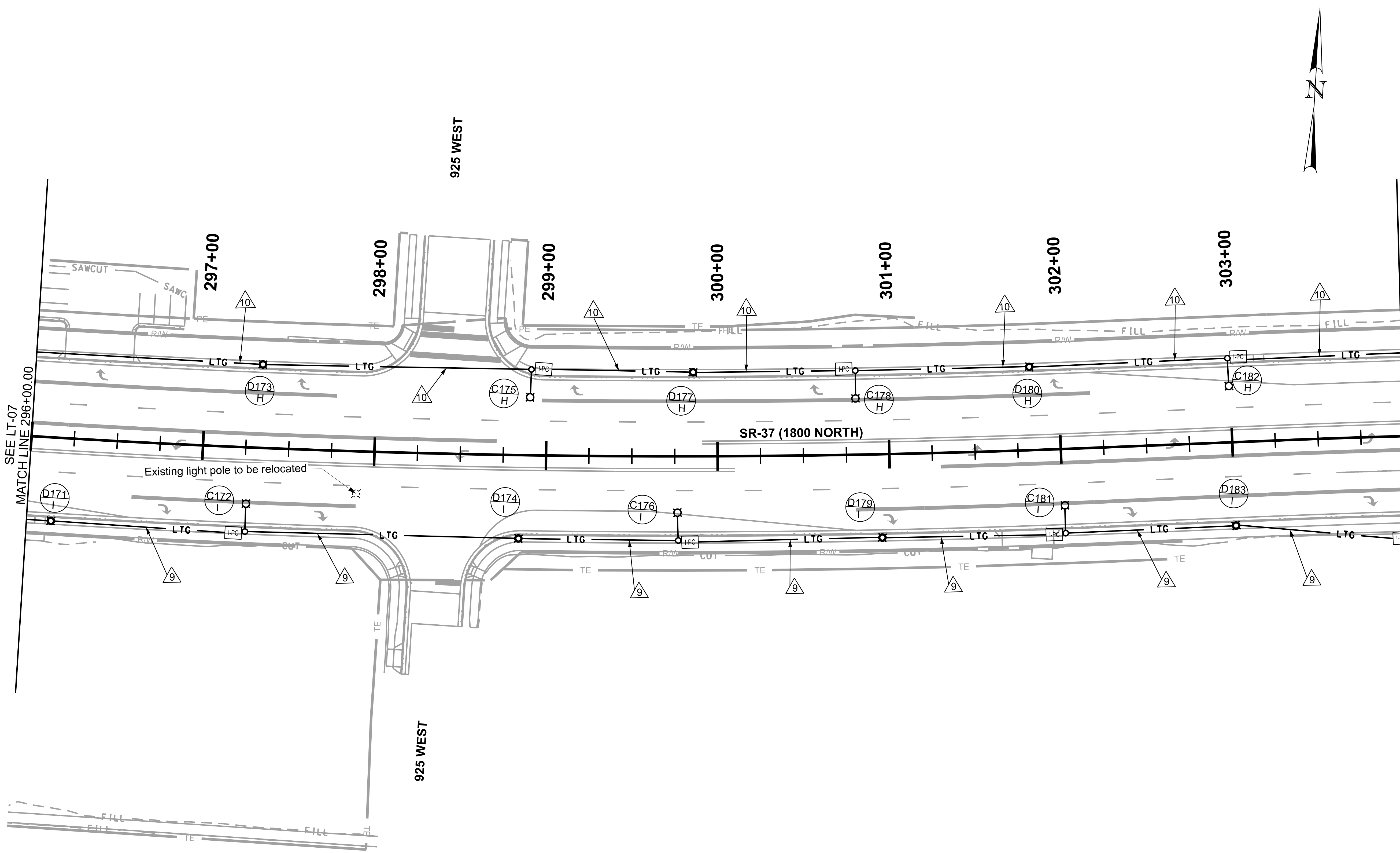
DRAWN BY KMH
QC CHECKED BY ASB
8/5/2024 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE
PROJECT NUMBER: S-I15-8(157)336
PIN: 15682
LIGHTING

SHEET NO. LT-07

5-AUG-2024

EXHIBIT C



LIGHTING CIRCUIT SCHEDULE

NO.	DESCRIPTION
9	1-2"C., 3-#4 AWG STRANDED COPPER USE-2/RHW-2, 1-#4 GROUND BARE COPPER
10	1-2"C., 3-#6 AWG STRANDED COPPER USE-2/RHW-2, 1-#6 GROUND BARE COPPER

DGN File:pw:\\pdatapw.bentley.com:udot-pw-01\Documents\UDOT Projects\Region 1 Projects\15682 I-15 1800 NORTH INTERCHANGE\Signal and Lighting\15682_LT-08-14_1800N_Seq.& Seq3.gn

5-AUG-2024

NO.	DATE	APPROVED BY	REVISIONS	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

DAVID EVANS AND ASSOCIATES, INC

DRAWN BY KMH

QC CHECKED BY ASB

8/5/2024 DATE

APPROVED

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

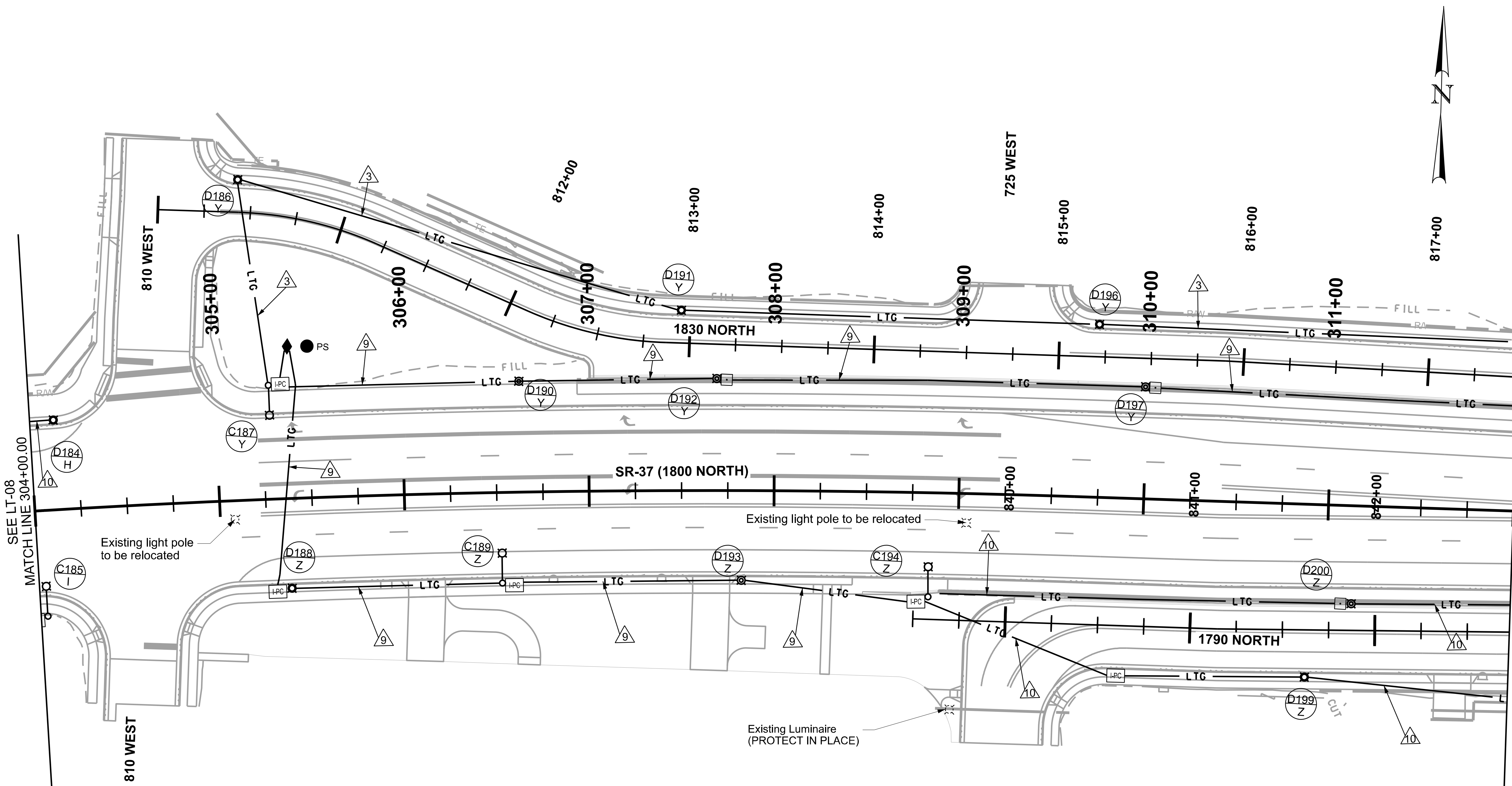
PROJECT NUMBER: S-I15-8(157)336

PIN 15682

LIGHTING

SHEET NO. LT-08

EXHIBIT C



LIGHTING CIRCUIT SCHEDULE

NO.	DESCRIPTION
3	1-2"C., 2-#4 AWG STRANDED COPPER USE-2/RHW-2, 1-#4 GROUND BARE COPPER
9	1-2"C., 3-#4 AWG STRANDED COPPER USE-2/RHW-2, 1-#4 GROUND BARE COPPER
10	1-2"C., 3-#6 AWG STRANDED COPPER USE-2/RHW-2, 1-#6 GROUND BARE COPPER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

DAVID EVANS AND ASSOCIATES, INC

DRAWN BY KMH

QC CHECKED BY ASB

8/26/2024 DATE

APPROVED

PROFESSIONAL ENGINEER

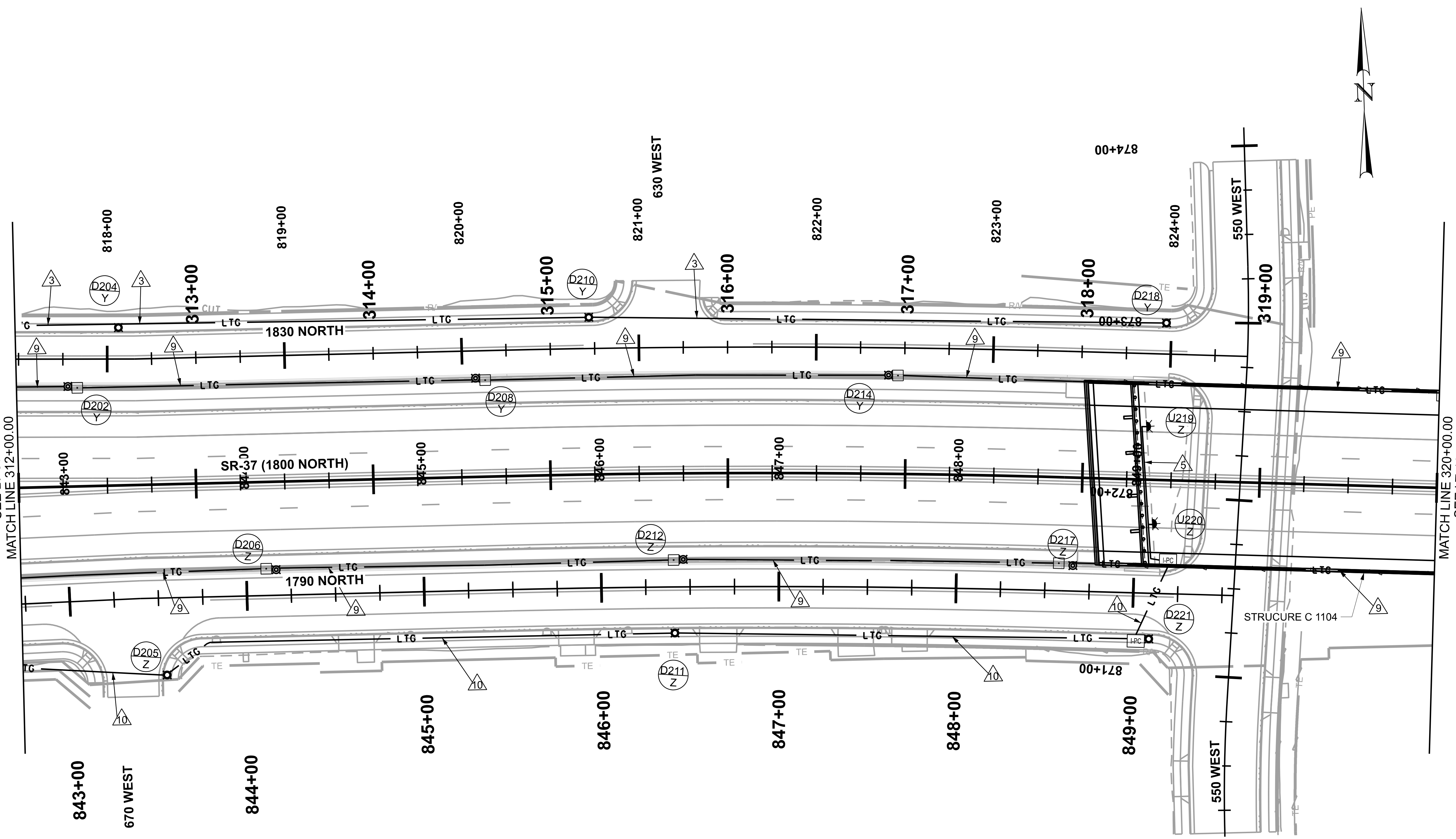
PROJECT I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER S-I15-8(157)336 PIN 15682

LIGHTING

SHEET NO. LT-09

EXHIBIT C



LIGHTING CIRCUIT SCHEDULE

NO.	DESCRIPTION
3	1-2"C., 2-#4 AWG STRANDED COPPER USE-2/RHW-2, 1-#4 GROUND BARE COPPER
5	2-#6 AWG STRANDED COPPER USE-2/RHW-2, 1-#6 GROUND BARE COPPER, IN RIGID STEEL CONDUIT
9	1-2"C., 3-#4 AWG STRANDED COPPER USE-2/RHW-2, 1-#4 GROUND BARE COPPER
10	1-2"C., 3-#6 AWG STRANDED COPPER USE-2/RHW-2, 1-#6 GROUND BARE COPPER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

DAVID EVANS AND ASSOCIATES, INC

DRAWN BY KMH

QC CHECKED BY ASB

APPROVED

8/26/2024

DATE

PROFESSIONAL ENGINEER

PROJECT I-15; 1800 NORTH INTERCHANGE

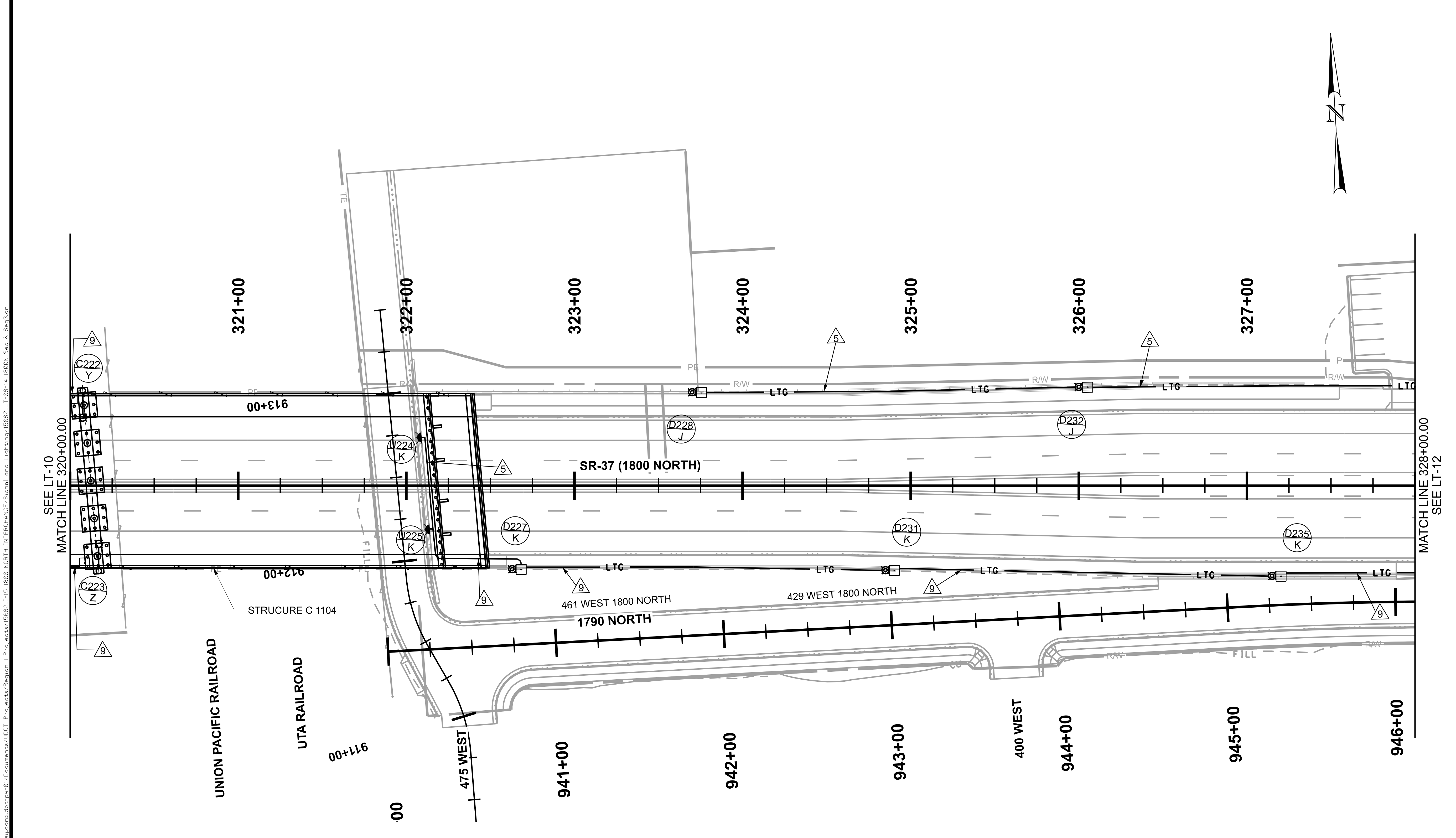
PROJECT NUMBER S-I15-8(157)336

PIN 15682

LIGHTING

SHEET NO. LT-10

EXHIBIT C



LIGHTING CIRCUIT SCHEDULE

NO.	DESCRIPTION
5	2-#6 AWG STRANDED COPPER USE-2/RHW-2, 1-#6 GROUND BARE COPPER, IN RIGID STEEL CONDUIT
9	1-2"C., 3-#4 AWG STRANDED COPPER USE-2/RHW-2, 1-#4 GROUND BARE COPPER

REVISIONS

NO.	DATE	APPROVED BY	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION

DAVID EVANS AND ASSOCIATES, INC

DRAWN BY: KMH

QC CHECKED BY: ASB

APPROVED

8/26/2024 DATE

PROFESSIONAL ENGINEER

PROJECT: I-15; 1800 NORTH INTERCHANGE

PROJECT NUMBER: S-I15-8(157)336

PIN: 15682

LIGHTING

SHEET NO. LT-11

26-AUG-2024

EXHIBIT D

August 28, 2024

Clinton City Landscape & Aesthetics Cost Estimate - Details

1800 North Roadway Improvements - 2000 West to 500 West

UDOT Region 1 UDOT Project Number: S-I15-8(157)336 Pin:15682

Project Items	Qty	Unit	Project Unit Cost	Betterment Unit Cost	Subtotal	Total	Betterment Costs
Lighting (Cobra Head 40' pole w/15' arm, galvanized)	49	EA	$ 2,147.60	$ -	$ 105,232.40	$ 105,232.40	$ -
Park Strips (Stamped Colored Concrete) * includes footage of raised planters	47,288	SF	$ 12.00	$ -	$ 567,456.00	$ 567,456.00	$ -
Other Landscape Areas (between back of walk and ROW) - UDOT Standard Seed Mix Treatment	42,000	SF	$ 0.35	$ -	$ 14,700.00	$ 14,700.00	$ -
1500 W 1800 N Traffic Signal (galvanized)	1	LS	$ 73,178.00	$ -	$ 73,178.00	$ 73,178.00	$ -
1000 W 1800 N (4 poles - signal w/ ped, galvanized)	1	LS	$ 83,284.00	$ -	$ 83,284.00	$ 83,284.00	$ -
Hawk Signal 1700 W 1800 N (2 poles, galvanized)	1	LS	$ 27,845.00	$ -	$ 27,845.00	$ 27,845.00	$ -
RR Bridge 6' Tall Chain Link Fence (galvanized)	588	LF	$ 50.00	$ -	$ 29,400.00	$ 29,400.00	$ -
Decorative Lighting - Relocation of existing poles	15	EA	$ 1,000.00	$ -	$ 15,000.00	$ 15,000.00	$ -
Grand Total						**$ 916,095.40**	**$ -**

Project + Betterment Items	Qty	Unit	Project Unit Cost	Betterment Unit Cost	Subtotal	Total	Betterment Costs
Lighting (Cobra Head 40' pole w/15' arm, powder coated)	49	EA	$ 2,147.60	$ 845.00	$ 146,637.40	$ 146,637.40	$ 41,405.00
Park Strips (Stamped Colored Concrete)	47,288	SF	$ 12.00	$ -	$ 567,456.00	$ 567,456.00	$ -
Other Landscape Areas (between back of walk and ROW) - UDOT Standard Seed Mix Treatment	42,000	SF	$ 0.35	$ -	$ 14,700.00	$ 14,700.00	$ -
1500 W 1800 N Traffic Signal (powder coated)	1	LS	$ 73,178.00	$ 6,145.60	$ 79,323.60	$ 79,323.60	$ 6,145.60
1000 W 1800 N (4 poles - signal w/ ped powder coated)	1	LS	$ 83,284.00	$ 6,906.40	$ 90,190.40	$ 90,190.40	$ 6,906.40
Hawk Signal 1700 W 1800 N (2 poles, powder coated)	1	LS	$ 27,845.00	$ 2,291.00	$ 30,136.00	$ 30,136.00	$ 2,291.00
RR Bridge 6' Tall Chain Link Fence (black PVC coated)	588	LF	$ 50.00	$ 15.00	$ 38,220.00	$ 38,220.00	$ 8,820.00
Park Strips (*stamped colored concrete - quantity balance adjustment footage of raised planters)	5,200	SF	($ 12.00)	$ -	($ 62,400.00)	($ 62,400.00)	($ 62,400.00)
Park Strip Planters (4'x20'x6" tall)	65	EA	$ -	$ 2,050.00	$ 133,250.00	$ 133,250.00	$ 133,250.00
Park Strip Planter (Irrigation)	65	EA	$ -	$ 2,320.00	$ 150,800.00	$ 150,800.00	$ 150,800.00
Decorative Lighting - Relocation of existing Clinton City poles	15	EA	$ 1,000.00	$ -	$ 15,000.00	$ 15,000.00	$ -
Decorative Lighting - 39 new poles (Clinton City betterment) **Install only price - assumes Clinton City will furnish poles and luminaires**	39	EA	$ -	$ 1,000.00	$ 39,000.00	$ 39,000.00	$ 39,000.00

Reimbursement Items	Qty	Unit	Project Unit Cost	Reimbursement Unit Cost	Subtotal	Total	Reimbursement Costs
Decorative Lighting - MSE Barrier Poles in Sunset (UDOT to reimburse all 5) *Reimbursement to the City for the purchases previously made.*	5	EA		($ 4,075.00)	($ 20,375.00)	($ 20,375.00)	($ 20,375.00)
Decorative Lighting - MSE Barrier Poles in Clinton (UDOT to reimburse all 9) *Reimbursement to the City for the purchases previously made.*	9	EA		($ 4,075.00)	($ 36,675.00)	($ 36,675.00)	($ 36,675.00)
Landscape Betterment Total						**$ 1,185,263.40**	**$ 269,168.00**
PE Costs (*actual*)							$ 36,217.71
CE Costs (*lump*) @8%							$ 21,533.44
GRAND TOTAL							**$ 326,919.15**
UDOT L&A BUDGET ALLOWANCE							**($300,000.00)**
TOTAL ESTIMATED L&A BETTERMENT COSTS REQURIED BY CLINTON CITY							**$26,919.15**

EXHIBIT D

J-U-B ENGINEERS, INC.

J-U-B COMPANIES | THE LANGDON GROUP | GATEWAY MAPPING INC.

Invoice

Paul Egbert, PE
UDOT – Region 1
166 W. Southwell Street
Ogden, UT 84404
Greg Davis greg.davis@deainc.com
Debra Serio debra@dserio.com
Trisha Tucker trisha@dserio.com

May 10, 2024
Project No: 07-21-084
Invoice No: 0172623

Project 07-21-084 I-15; 1800 North Interchange Clinton City Waterline Betterment Design
Project No. S-I15-8(157)336 Davis County
CID No. 72701 Pin No. 15682
Agreement Number: 238933 FINET/ CID: 72701

Professional Services from July 22, 2022 to April 27, 2024

Task 001 LABOR

Professional Personnel

	Hours	Rate	Amount
Assistant Designer			
Hansen, Devin	5.50	21.00	115.50
Landscape Designer			
Cheney, Miranda	53.50	28.08	1,502.28
Cheney, Miranda	43.30	29.62	1,282.55
Wilkinson, Jaynie	.90	28.94	26.05
CAD Designer – Lead			
Wohlford, John	2.40	39.71	95.30
Wohlford, John	60.30	42.19	2,544.06
Landscape Architect – Lead			
Meyers, Jenna	25.20	41.01	1,033.45
Meyers, Jenna	2.20	43.68	96.10
Landscape Architect – Senior			
Noorlander, Andrew	1.80	43.76	78.77
Noorlander, Andrew	9.00	45.20	406.80
Noorlander, Andrew	11.80	48.08	567.34
Noorlander, Andrew	36.00	49.52	1,782.72
Ruedas, Jonathan	23.30	53.02	1,235.37
Project Designer – Lead			
Hernandez, Marcos	7.10	44.50	315.95
Project Engineer – Discipline Lead			
Powell, Samuel	.10	61.72	6.17
Powell, Samuel	9.80	67.89	665.32
Project Manager – Lead			
Wilcox, Bryce	4.00	78.58	314.32
Wilcox, Bryce	1.00	85.65	85.65

EXHIBIT D

Project	07-21-084	I-15; 1800 North Interchange Clinton City	Invoice	0172623

Program Manager – Senior				
Lasko, Michael	.60	93.84	56.30	
Totals	297.80		12,210.00	
Total Labor				**12,210.00**

General Fees

APPROVED OVERHEAD RATE	166.03 % of 12,210.00	20,272.26	
Total General Fees		**20,272.26**	**20,272.26**
	Total this Task		**$32,482.26**

Task 999 Fixed Fee 11.5%

Fee

Total Fee	**3,735.46**
Total this Task	**$3,735.46**

Total this Invoice	**$36,217.71**

Michael S. Lasko

MICHAEL LASKO, PE
Project Manager

Billing Backup

Friday, May 10, 2024

J-U-B ENGINEERS, Inc. Invoice 0172623 Dated 5/10/2024 10:41 AM

Project 07-21-084 UDOT R1 1800 North Interchange

Task 001 LABOR

Sub Task 1A1 Assess Project Aesthetics & Landscaping

Professional Personnel

		Hours	Rate	Amount
Landscape Designer				
Cheney, Miranda	7/28/2022	0.20	28.08	5.62
Cheney, Miranda	8/1/2022	0.30	28.08	8.42
Cheney, Miranda	8/2/2022	0.70	28.08	19.66
Cheney, Miranda	8/3/2022	0.50	28.08	14.04
Cheney, Miranda	8/4/2022	0.10	28.08	2.81
Cheney, Miranda	8/8/2022	0.10	28.08	2.81
Cheney, Miranda	8/9/2022	0.10	28.08	2.81
Cheney, Miranda	9/14/2022	0.10	28.08	2.81
Cheney, Miranda	3/28/2023	3.30	28.08	92.66
Meyers, Jenna	7/28/2022	0.30	41.01	12.30
Meyers, Jenna	8/29/2022	0.10	41.01	4.10
Meyers, Jenna	10/6/2022	0.40	41.01	16.40
Meyers, Jenna	12/20/2022	0.30	41.01	12.30
Meyers, Jenna	2/9/2023	0.10	41.01	4.10
Meyers, Jenna	3/22/2023	1.20	41.01	49.21
Meyers, Jenna	4/26/2023	0.10	41.01	4.10
Meyers, Jenna	12/15/2022	0.50	41.01	20.51
Meyers, Jenna	2/21/2023	1.60	41.01	65.62
Meyers, Jenna	2/28/2023	2.10	41.01	86.12
Meyers, Jenna	4/19/2023	0.60	41.01	24.61
Meyers, Jenna	8/2/2022	0.30	41.01	12.30
Meyers, Jenna	8/3/2022	2.00	41.01	82.02
Meyers, Jenna	8/4/2022	3.00	41.01	123.03
Meyers, Jenna	11/14/2022	1.00	41.01	41.01
Meyers, Jenna	12/12/2022	2.00	41.01	82.02
Meyers, Jenna	12/13/2022	4.00	41.01	164.04
Meyers, Jenna	2/17/2023	1.30	41.01	53.31
Meyers, Jenna	2/23/2023	0.50	41.01	20.51
Landscape Architect -Senior				
Noorlander, Andrew	2/8/2023	1.30	43.76	56.89
Noorlander, Andrew	2/7/2023	0.50	43.76	22.60
Noorlander, Andrew	3/20/2023	1.60	45.2	72.32
Noorlander, Andrew	3/22/2023	5.90	45.2	266.68
Noorlander, Andrew	2/21/2023	0.60	45.2	27.12
Noorlander, Andrew	2/14/2023	0.40	45.2	18.08
Noorlander, Andrew	2/23/2023	1.50	45.2	72.12
Noorlander, Andrew	2/28/2023	0.40	45.2	19.23
Noorlander, Andrew	4/11/2023	0.70	48.08	33.66
Noorlander, Andrew	4/26/2023	1.90	48.08	91.35

EXHIBIT D

Project	07-21-084	I-15; 1800 North Interchange Clinton City	Invoice	0172623

Noorlander, Andrew	4/27/2023	0.20	48.08	10.60	
Noorlander, Andrew	5/4/2023	0.50	48.08	26.51	
Noorlander, Andrew	3/29/2023	0.30	48.08	15.91	
Noorlander, Andrew	3/28/2023	0.40	48.08	21.21	
Ruedas, Jonathan	7/28/2022	0.10	53.02	5.30	
Ruedas, Jonathan	10/6/2022	0.90	53.02	47.72	
Ruedas, Jonathan	7/26/2022	0.20	53.02	10.60	
Ruedas, Jonathan	12/20/2022	0.40	53.02	21.21	
Ruedas, Jonathan	12/21/2022	0.10	53.02	5.30	
Ruedas, Jonathan	12/22/2022	0.40	53.02	21.21	
Ruedas, Jonathan	11/22/2022	0.60	53.02	31.81	
Ruedas, Jonathan	12/6/2022	2.50	53.02	132.55	
Ruedas, Jonathan	12/9/2022	0.30	53.02	15.91	
Ruedas, Jonathan	12/13/2022	0.40	53.02	21.21	
Ruedas, Jonathan	12/15/2022	0.70	53.02	37.11	
Ruedas, Jonathan	8/8/2022	2.80	53.02	148.46	
Ruedas, Jonathan	11/14/2022	0.30	53.02	15.91	
Ruedas, Jonathan	11/29/2022	2.00	53.02	106.04	
Ruedas, Jonathan	11/30/2022	1.30	53.02	56.89	
Ruedas, Jonathan	12/1/2022	0.50	53.02	22.60	
Ruedas, Jonathan	12/12/2022	1.60	53.02	72.32	
Ruedas, Jonathan	12/16/2022	5.90	53.02	266.68	
Ruedas, Jonathan	2/1/2023	0.60	53.02	27.12	
Program Manager – Lead					
Lasko, Michael	3/20/2023	0.30	93.84	28.15	
Totals		55.0		2,432.01	
Total Labor				**2,432.01**	

General Fees

APPROVED OVERHEAD RATE	166.03 % of 2,432.01	4,037.87	
Total General Fees		**4,037.87**	**4,037.87**
	Total this Sub Task		**$6,469.88**

Sub Task 2A1 Develop Aesthetic & Landscape Con Design

Professional Personnel

		Hours	Rate	Amount
Landscape Designer				
Cheney, Miranda	12/16/2022	1.50	28.08	42.12
Cheney, Miranda	12/19/2022	1.00	28.08	28.08
Cheney, Miranda	12/20/2022	0.60	28.08	16.85
Cheney, Miranda	12/22/2022	0.10	28.08	2.81
Cheney, Miranda	12/27/2022	0.40	28.08	11.23
Cheney, Miranda	1/16/2023	0.90	28.08	25.27
Cheney, Miranda	3/6/2023	0.30	28.08	8.42
Cheney, Miranda	3/7/2023	1.80	28.08	50.54
Cheney, Miranda	3/8/2023	0.80	28.08	22.46
Cheney, Miranda	3/9/2023	1.20	28.08	33.70
Cheney, Miranda	3/10/2023	0.20	28.08	5.62
Cheney, Miranda	11/18/2022	0.00	28.08	-

EXHIBIT D

Cheney, Miranda	11/21/2022	1.20	28.08	33.70	
Cheney, Miranda	11/23/2022	1.10	28.08	30.89	
Cheney, Miranda	11/28/2022	1.60	28.08	44.93	
Cheney, Miranda	12/1/2022	2.00	28.08	56.16	
Cheney, Miranda	12/5/2022	1.50	28.08	42.12	
Cheney, Miranda	12/15/2022	1.50	28.08	42.12	
Cheney, Miranda	10/10/2022	0.30	28.08	8.42	
Cheney, Miranda	11/10/2022	0.80	28.08	22.46	
Cheney, Miranda	11/17/2022	4.90	28.08	137.59	
Cheney, Miranda	12/2/2022	4.30	28.08	120.74	
Cheney, Miranda	2/15/2023	2.80	28.08	78.62	
Cheney, Miranda	2/17/2023	0.60	28.08	16.85	
Cheney, Miranda	2/23/2023	0.70	28.08	19.66	
Cheney, Miranda	2/28/2023	0.80	28.08	22.46	
Wilkinson, Jaynie	3/8/2023	1.50	28.94	42.12	
Wilkinson, Jaynie	11/14/2022	0.60	28.94	17.36	
Landscape Architect – Senior					
Noorlander, Andrew	9/7/2022	0.50	43.76	21.88	
Ruedas, Jonathan	10/25/2022	0.40	53.02	21.21	
Ruedas, Jonathan	7/14/2022	0.30	53.02	15.91	
Ruedas, Jonathan	12/21/2022	1.10	53.02	58.32	
Ruedas, Jonathan	1/3/2023	0.60	53.02	31.81	
Ruedas, Jonathan	7/19/2022	0.10	53.02	5.30	
Ruedas, Jonathan	11/7/2022	0.30	53.02	15.91	
Ruedas, Jonathan	11/8/2022	1.30	53.02	68.93	
Ruedas, Jonathan	11/7/2022	0.40	53.02	21.21	
Ruedas, Jonathan	11/9/2022	1.00	53.02	53.02	
Ruedas, Jonathan	11/10/2022	0.40	53.02	21.21	
Ruedas, Jonathan	11/11/2022	1.20	53.02	63.62	
Ruedas, Jonathan	11/14/2022	1.10	53.02	58.32	
Ruedas, Jonathan	11/21/2022	0.30	53.02	15.91	
Ruedas, Jonathan	12/12/2022	1.70	53.02	90.13	
Project Manager – Lead					
Wilcox, Bryce	12/12/2022	2.00	78.58	157.16	
Wilcox, Bryce	2/23/2023	1.00	78.58	78.58	
Wilcox, Bryce	2/27/2023	1.00	78.58	78.58	
Program Manager – Lead					
Lasko, Michael	12/21/2022	0.30	93.84	28.15	
Totals		50.3		1,897.15	
Total Labor				**1,897.15**	

General Fees

APPROVED OVERHEAD RATE	166.03 % of 1,897.15	3,149.84	
Total General Fees		**3,149.84**	**3,149.84**
	Total this Sub Task		**$5,046.99**
	Total this Task		**$5,046.99**

EXHIBIT D

Project	07-21-084	I-15; 1800 North Interchange Clinton City	Invoice	0172623

Sub Task 3A1 Complete Aesthetics and Landscape Design

Professional Personnel

		Hours	**Rate**	**Amount**
Assistant Designer				
Hansen, Devin	8/22/2023	1.30	21.00	27.30
Hansen, Devin	8/23/2023	4.20	21.00	88.20
Landscape Designer				
Cheney, Miranda	6/28/2023	1.00	28.08	28.08
Cheney, Miranda	6/5/2023	1.00	28.08	28.08
Cheney, Miranda	6/6/2023	1.90	28.08	53.35
Cheney, Miranda	6/7/2023	3.00	28.08	84.24
Cheney, Miranda	6/21/2023	3.30	28.08	92.66
Cheney, Miranda	6/22/2023	1.80	28.08	50.54
Cheney, Miranda	5/26/2023	1.20	28.08	33.70
Cheney, Miranda	7/13/2023	0.50	29.62	14.04
Cheney, Miranda	7/20/2023	0.90	29.62	26.66
Cheney, Miranda	7/25/2023	0.60	29.62	17.77
Cheney, Miranda	8/18/2023	0.60	29.62	17.77
Cheney, Miranda	9/1/2023	0.40	29.62	11.85
Cheney, Miranda	7/17/2023	0.40	29.62	11.85
Cheney, Miranda	8/16/2023	2.10	29.62	62.20
Cheney, Miranda	8/17/2023	0.90	29.62	26.66
Cheney, Miranda	8/22/2023	2.90	29.62	85.90
Cheney, Miranda	8/23/2023	0.60	29.62	17.77
Cheney, Miranda	8/28/2023	2.10	29.62	62.20
Cheney, Miranda	8/31/2023	1.60	29.62	47.39
Cheney, Miranda	8/21/2023	1.90	29.62	56.28
Cheney, Miranda	8/24/2023	0.30	29.62	8.89
CAD Designer				
Wohlford, John	1/3/2023	0.60	39.71	23.83
Wohlford, John	1/4/2023	0.60	39.71	23.83
Wohlford, John	1/5/2023	1.20	39.71	47.65
Landscape Architect – Senior				
Meyers, Jenna	5/30/2023	0.20	41.01	8.20
Meyers, Jenna	6/13/2023	1.40	41.01	57.41
Meyers, Jenna	6/16/2023	0.20	41.01	8.20
Meyers, Jenna	6/26/2023	0.50	41.01	20.51
Meyers, Jenna	6/12/2023	1.50	41.01	61.52
CAD Designer				
Wohlford, John	9/26/2023	0.30	42.19	12.66
Wohlford, John	9/29/2023	0.20	42.19	8.44
Wohlford, John	10/6/2023	1.00	42.19	42.19
Wohlford, John	10/11/2023	3.20	42.19	135.01
Wohlford, John	11/6/2023	4.00	42.19	168.76
Wohlford, John	11/7/2023	2.40	42.19	101.26
Wohlford, John	12/18/2023	0.10	42.19	4.22
Wohlford, John	1/18/2024	0.10	42.19	4.22
Wohlford, John	3/12/2024	0.90	42.19	37.97
Wohlford, John	4/1/2024	2.40	42.19	101.26
Wohlford, John	4/15/2024	1.70	42.19	71.72

Wohlford, John	4/16/2024	1.90	42.19	88.60
Wohlford, John	4/17/2024	2.70	42.19	113.91
Wohlford, John	4/18/2024	2.70	42.19	113.91
Wohlford, John	4/19/2024	1.20	42.19	50.63
Wohlford, John	4/22/2024	1.60	42.19	67.50
Wohlford, John	4/23/2024	1.70	42.19	71.72
Wohlford, John	4/24/2024	2.40	42.19	101.26
Wohlford, John	4/25/2024	1.20	42.19	50.63
Wohlford, John	4/26/2024	0.30	42.19	12.66
Wohlford, John	11/8/2023	1.20	42.19	50.63
Landscape Architect - Lead				
Meyers, Jenna	8/21/2023	0.10	43.68	4.37
Meyers, Jenna	10/16/2023	0.40	43.68	17.47
Meyers, Jenna	10/23/2023	0.20	43.68	8.74
Meyers, Jenna	7/31/2023	0.20	43.68	8.74
Meyers, Jenna	8/1/2023	0.10	43.68	4.37
Landscape Architect - Senior				
Noorlander, Andrew	5/2/2023	0.50	48.08	24.04
Noorlander, Andrew	5/9/2023	1.80	48.08	86.54
Noorlander, Andrew	5/30/2023	0.90	48.08	43.27
Noorlander, Andrew	6/9/2023	0.20	48.08	9.62
Noorlander, Andrew	6/26/2023	0.30	48.08	14.42
Noorlander, Andrew	5/17/2023	0.40	48.08	19.23
Noorlander, Andrew	6/7/2023	0.70	48.08	33.66
Noorlander, Andrew	6/21/2023	0.30	48.08	14.42
Noorlander, Andrew	5/12/2023	0.50	48.08	24.04
Noorlander, Andrew	6/12/2023	1.70	48.08	81.74
Noorlander, Andrew	8/22/2023	0.60	49.52	29.71
Noorlander, Andrew	9/7/2023	0.30	49.52	14.86
Noorlander, Andrew	9/5/2023	1.00	49.52	49.52
Noorlander, Andrew	9/11/2023	0.10	49.52	4.95
Noorlander, Andrew	7/18/2023	0.90	49.52	44.57
Noorlander, Andrew	8/1/2023	0.80	49.52	39.62
Noorlander, Andrew	8/8/2023	0.40	49.52	19.81
Noorlander, Andrew	8/17/2023	1.00	49.52	49.52
Noorlander, Andrew	9/21/2023	0.50	49.52	24.76
Noorlander, Andrew	9/28/2023	0.10	49.52	4.95
Noorlander, Andrew	10/23/2023	0.20	49.52	9.90
Noorlander, Andrew	10/25/2023	0.20	49.52	9.90
Noorlander, Andrew	10/27/2023	0.30	49.52	14.86
Noorlander, Andrew	10/28/2023	0.90	49.52	44.57
Noorlander, Andrew	10/30/2023	0.10	49.52	4.95
Noorlander, Andrew	10/31/2023	0.10	49.52	4.95
Noorlander, Andrew	11/1/2023	0.60	49.52	29.71
Noorlander, Andrew	11/2/2023	0.70	49.52	34.66
Noorlander, Andrew	11/3/2023	0.40	49.52	19.81
Noorlander, Andrew	11/8/2023	0.90	49.52	44.57
Noorlander, Andrew	11/14/2023	0.10	49.52	4.95
Noorlander, Andrew	7/28/2023	0.30	49.52	14.86
Noorlander, Andrew	8/21/2023	0.90	49.52	44.57

Noorlander, Andrew	8/24/2023	0.20	49.52	9.90
Noorlander, Andrew	10/10/2023	0.90	49.52	44.57
Noorlander, Andrew	10/24/2023	0.40	49.52	19.81
Noorlander, Andrew	7/6/2023	0.40	49.52	19.81
Noorlander, Andrew	8/23/2023	0.10	49.52	4.95
Noorlander, Andrew	7/31/2023	1.50	49.52	74.28
Noorlander, Andrew	9/9/2023	0.90	49.52	44.57
Noorlander, Andrew	9/15/2023	0.30	49.52	14.86
Project Engineer – Discipline Lead				
Powell, Samuel	6/28/2023	0.10	61.72	6.17
Powell, Samuel	7/20/2023	0.30	67.89	20.37
Powell, Samuel	7/27/2023	0.10	67.89	6.79
Powell, Samuel	8/9/2023	0.40	67.89	27.16
Powell, Samuel	10/11/2023	0.60	67.89	40.73
Totals		106.8		4,197.79
Total Labor				**4,197.79**

General Fees

APPROVED OVERHEAD RATE	166.03 % of 4,197.79	6,969.59	
Total General Fees		**6.969.59**	**11,167.38**
	Total this Sub Task		**$11,167.38**

Sub Task 4A2 Complete A,L, Irrigation Site Plan & Doc

Professional Personnel

		Hours	**Rate**	**Amount**
Landscape Designer				
Cheney, Miranda	9/5/2023	1.20	29.62	35.54
Cheney, Miranda	9/8/2023	0.30	29.62	8.89
Cheney, Miranda	9/19/2023	0.20	29.62	5.92
Cheney, Miranda	9/22/2023	0.30	29.62	8.89
Cheney, Miranda	10/6/2023	0.80	29.62	23.70
Cheney, Miranda	10/9/2023	0.40	29.62	11.85
Cheney, Miranda	10/24/2023	1.00	29.62	29.62
Cheney, Miranda	10/25/2023	0.60	29.62	17.77
Cheney, Miranda	12/19/2023	0.90	29.62	26.66
Cheney, Miranda	12/20/2023	0.20	29.62	5.92
Cheney, Miranda	12/21/2023	0.20	29.62	5.92
Cheney, Miranda	12/22/2023	1.10	29.62	32.58
Cheney, Miranda	12/26/2023	1.10	29.62	32.58
Cheney, Miranda	1/2/2024	0.10	29.62	2.96
Cheney, Miranda	1/25/2024	0.70	29.62	20.73
Cheney, Miranda	3/21/2024	0.30	29.62	8.89
Cheney, Miranda	10/23/2023	0.30	29.62	8.89
Cheney, Miranda	9/28/2023	0.30	29.62	8.89
Cheney, Miranda	9/21/2023	0.60	29.62	17.77
Cheney, Miranda	1/3/2024	1.40	29.62	41.47
Cheney, Miranda	1/4/2024	1.60	29.62	47.39
CAD Designer - Lead				
Wohlford, John	10/12/2023	1.20	42.19	50.63

EXHIBIT D

Project	07-21-084	I-15; 1800 North Interchange Clinton City	Invoice	0172623

Wohlford, John	10/13/2023	0.40	42.19	16.88
Wohlford, John	10/16/2023	2.20	42.19	92.82
Wohlford, John	10/24/2023	0.30	42.19	12.66
Wohlford, John	11/27/2023	2.40	42.19	101.26
Wohlford, John	12/8/2023	1.20	42.19	50.63
Wohlford, John	12/11/2023	2.70	42.19	113.91
Wohlford, John	12/12/2023	1.80	42.19	75.94
Wohlford, John	12/18/2023	0.30	42.19	12.66
Wohlford, John	12/19/2023	2.40	42.19	101.26
Wohlford, John	12/20/2023	1.80	42.19	75.94
Wohlford, John	12/21/2023	1.20	42.19	50.63
Wohlford, John	12/26/2023	0.60	42.19	25.31
Wohlford, John	1/2/2024	0.60	42.19	25.31
Wohlford, John	1/18/2024	0.10	42.19	4.22
Wohlford, John	3/29/2024	0.10	42.19	4.22
Wohlford, John	4/8/2024	1.00	42.19	42.19
Wohlford, John	4/9/2024	1.50	42.19	63.29
Wohlford, John	4/10/2024	1.30	42.19	54.85
Wohlford, John	4/11/2024	1.20	42.19	50.63
Wohlford, John	4/12/2024	0.60	42.19	25.31
Wohlford, John	10/23/2023	2.00	42.19	84.38
Landscape Architect – Senior				
Meyers, Jenna	12/18/2023	1.00	43.68	43.68
Meyers, Jenna	12/21/2023	0.20	43.68	8.74
Project Designer - Lead				
Hernandez, Marcos	10/30/2023	1.30	44.5	57.85
Hernandez, Marcos	10/31/2023	1.30	44.5	57.85
Hernandez, Marcos	11/2/2023	0.60	44.5	26.70
Hernandez, Marcos	11/7/2023	1.80	44.5	80.10
Hernandez, Marcos	11/8/2023	0.30	44.5	13.35
Hernandez, Marcos	12/20/2023	1.80	44.5	80.10
Landscape Architect - Senior				
Noorlander, Andrew	11/28/2023	0.40	49.52	19.81
Noorlander, Andrew	1/9/2024	0.60	49.52	29.71
Noorlander, Andrew	1/30/2024	0.90	49.52	44.57
Noorlander, Andrew	11/29/2023	0.20	49.52	9.90
Noorlander, Andrew	12/2/2023	0.90	49.52	44.57
Noorlander, Andrew	12/11/2023	0.10	49.52	4.95
Noorlander, Andrew	12/18/2023	0.60	49.52	29.71
Noorlander, Andrew	12/19/2023	0.50	49.52	24.76
Noorlander, Andrew	12/20/2023	0.30	49.52	14.86
Noorlander, Andrew	12/22/2023	0.70	49.52	34.66
Noorlander, Andrew	12/26/2023	0.10	49.52	4.95
Noorlander, Andrew	1/3/2024	0.80	49.52	39.62
Noorlander, Andrew	1/4/2024	0.50	49.52	24.76
Noorlander, Andrew	1/25/2024	0.40	49.52	19.81
Noorlander, Andrew	1/31/2024	0.10	49.52	4.95
Noorlander, Andrew	3/4/2024	0.10	49.52	4.95
Noorlander, Andrew	3/20/2024	0.30	49.52	14.86
Noorlander, Andrew	3/21/2024	0.90	49.52	44.57

EXHIBIT D

Project	07-21-084	I-15; 1800 North Interchange Clinton City	Invoice	0172623

Noorlander, Andrew	4/10/2024	0.40	49.52	19.81	
Noorlander, Andrew	4/12/2024	0.10	49.52	4.95	
Noorlander, Andrew	4/17/2024	0.10	49.52	4.95	
Noorlander, Andrew	4/19/2024	0.30	49.52	14.86	
Noorlander, Andrew	4/24/2024	0.10	49.52	4.95	
Noorlander, Andrew	3/8/2024	0.50	49.52	24.76	
Noorlander, Andrew	12/12/2023	0.40	49.52	19.81	
Noorlander, Andrew	12/15/2023	0.30	49.52	14.86	
Noorlander, Andrew	1/5/2024	0.30	49.52	14.86	
Noorlander, Andrew	2/12/2024	1.00	49.52	49.52	
Noorlander, Andrew	2/13/2024	0.80	49.52	39.62	
Noorlander, Andrew	4/26/2024	1.00	49.52	49.52	
Project Engineer – Discipline Lead					
Powell, Samuel	10/16/2023	0.30	67.89	20.37	
Powell, Samuel	10/17/2023	0.10	67.89	6.79	
Powell, Samuel	11/6/2023	0.90	67.89	61.10	
Powell, Samuel	12/13/2023	1.30	67.89	88.26	
Powell, Samuel	12/14/2023	2.50	67.89	169.73	
Powell, Samuel	12/15/2023	1.20	67.89	81.47	
Powell, Samuel	12/18/2023	0.30	67.89	20.37	
Powell, Samuel	12/21/2023	0.30	67.89	20.37	
Powell, Samuel	12/22/2023	0.30	67.89	20.37	
Powell, Samuel	12/29/2023	0.60	67.89	40.73	
Powell, Samuel	1/2/2024	0.60	67.89	40.73	
Project Manager – Lead					
Wilcox, Bryce	8/1/2023	1.00	85.65	85.65	
Totals		85.7		3,683.05	
Total Labor				**3,683.05**	

General Fees

APPROVED OVERHEAD RATE	166.03 % of 3,683.05	6,114.97	
Total General Fees		**6,114.97**	**6,114.97**
	Total this Sub Task		**$9,798.02**
	Total this Task		**$32,482.26**

Task	999	Fixed Fee 11.5%

Fee

Total Fee		**3,735.46**
	Total this Task	**$3,735.46**

Total this Invoice	**$36,217.71**

CLINTON CITY COUNCIL MEETING MINUTES
CITY HALL
2267 North 1500 W Clinton UT 84015

MAYOR
Brandon Stanger
CITY COUNCIL MEMBERS
Marie Dougherty
Gary Tyler
Dane Searle
Spencer Arave
Austin Gray

Date of Meeting	**September 10, 2024**	**Call to Order: 6:00 PM**
City Council & Staff Present	City Manager Trevor Cahoon, Fire Chief David Olsen, Community Development Director Peter Matson, Recreation Director Brooke Mitchell, Public Works Director David Williams, Assistant Public Works Director Kasey Jensen, IT Specialist Dereck Bauer, JUB Engineer Bryce Wilcox, Treasurer Steve Hubbard, Police Chief Shawn Stoker, and Lisa Titensor recorded the minutes.	
Attendees	Brad Verzimak	
Invocation or Thought & Pledge of Allegiance	Councilmember Gray. He also led a moment of silence in honor of 9-11.	
Roll Call & Attendance Of City Council	Mayor Stanger, Councilmember Arave, Councilmember Dougherty, Councilmember Gray, Councilmember Searle attended electronically, Councilmember Tyler.	
Public Input	There was none.	

A. FINANCE DIRECTOR WELCOME

Petitioner	City Manager Trevor Cahoon
Discussion	Clinton City would like to introduce Aaron Price as the new Clinton City Finance Director. Aaron is a Certified Public Accountant and licensed attorney with several years of experience in both governmental and private accounting. Aaron has most recently been employed with Salt Lake City Corporation as the Deputy Chief Financial Officer where he oversaw the financial accounting, capital asset planning, procurement, and grant functions. He received his Bachelor of Administration from the University of Oklahoma, his Master of Science in accountancy from the University of Illinois and is currently working on a PhD at Purdue University. City Manager Cahoon, Mayor Stanger and all the department Heads have had the opportunity to meet with Aaron. All have been impressed with his knowledge and experience, his friendly disposition, and his communication skills. Aaron will be a valuable addition to Clinton City.

B. INTERLOCAL AGREEMENT WITH VOYAGE ACADEMY

Petitioner	Recreation Director Brooke Mitchell
Discussion	The Fire and Police Departments currently use Voyage Academy’s building for their trainings and Voyage Academy currently utilizes the civic center parks east and west fields and north and south bowery’s for their schools beginning and ending activities and

	their evacuation drills. The City currently has an interlocal agreement with the Davis County School District like the attached agreement where the city can submit a request to use the school district's facilities, minus their field space, because they don't want to be liable for our equipment being placed on their fields, such as soccer goals, team benches, etc. and the district grants us facility usage based on availability of the facilities. Since we do not have a gymnasium of our own, the recreation department relies heavily on the district's school gymnasiums to host our youth basketball program. However, the recreation department is currently losing access to schools due to other cities requesting to use them, schools being under construction and gymnasiums not being available due to after-school programs, so we need access to more gymnasiums. **Importance** The Police and Fire Departments need Voyages facilities to conduct their trainings in, the Voyage Academy needs the cities facilities to host their activities and drills, and the Recreation Department needs to gain access to the school's gymnasium for its youth basketball program and their field space for the youth soccer, baseball and flag football programs. **Recommendation** Staff recommends the City Council accept this interlocal agreement with the Voyage Academy, so the Police and Fire departments can continue to use their facilities for training, Voyage Academy can continue using the Cities facilities for their school activities and drills, and the Recreation Department can start utilizing Voyages gymnasium and field space for its youth program needs.
CONCLUSION	***Councilmember Tyler moved to enter an Interlocal Agreement with Voyage Academy based on the recommendation above. Councilmember Arave seconded the motion. Voting by roll call is as follows: Councilmember Arave, aye; Councilmember Dougherty, aye; Councilmember Gray, aye; Councilmember Searle, aye; and Councilmember Tyler, aye.***
C. LETTER OF INTENT TO PURCHASE VACALL AJVR 1015 COMBINATION VAC TRUCK	
Petitioner	Public Works David Williams, Kasey Jensen
Discussion	The current sewer truck used by the Public Works Department is aging and increasingly requiring repairs that are costly and cause extended downtime. Given the critical nature of maintaining the sewer and stormwater systems, reliable equipment is essential. The proposed new sewer truck will enhance efficiency and effectiveness in responding to sewer line maintenance and emergency situations. The current combination vac truck is a 2012 Freightliner Aquatech. It has 5500 engine hours which is equal to 165,000 miles on the engine. The truck has 30,000 driven miles on it. The average replacement timeline for this type of truck is 8-12 years. Our truck is now 12 years old and over the last few years has needed over $60,000 in repairs. As the truck ages, repair costs will increase and eventually it may not be able to be repaired. It is time to replace the Vac Truck. The delivery time on a new truck is approximately 24 months. This will put our truck well past its service life by the time a new truck can be delivered. Public Works provided detailed information regarding the need and benefits of the truck to the city council in their staff report. Following is a summary: **Importance to the City**

The Vac truck is used in a variety of situations. Its primary function is sewer maintenance cleaning approximately thirty miles each year. It is used to clean and maintain approximately twenty miles of land drain each year. The truck is also used to clean and maintain the storm drain system, oil/water separators, sediment basins, and for illicit discharge clean ups. The truck is used by all the departments to pothole utilities for things like sprinkler lines, sign bases, and streetlights. The vac truck is a key piece of equipment for water leaks and emergency repairs. It can be used more than a backhoe on a water leak. The Vac truck is as critical to the public works department as a fire engine is to the fire department.

Different Types of Vac Trucks
After extensive research, staff has determined that the best truck for public works is a rear reel vac truck. This is the same type of truck that we currently have, and it provides a buffer between traffic and our operator. It is quieter to operate since it is not by the engine and allows the operator to better hear the cleaning operation and communicate with other employees during cleaning or emergency situations. The reel in the rear also keeps the operator away from the heat of the engine. Vacall is the only local supplier that offers a rear-reel configuration.

Cost Proposals
Public Works has been collaborating with suppliers to identify the equipment that will best meet the needs of our staff. We have worked through several iterations with suppliers that have saved the city money. The original quote for the Vacall truck was $676,162. The initial quote is attached to the staff report. Public works eliminated over $76,000 of costs from equipment from the truck that are not necessary to perform the intended work. Staff believes the current Vacall Quote provides what is needed. During the process staff also contacted another customer who purchased this truck and offered their overwhelming approval of the Vacall. After 10 years of service life, theirs is still in excellent condition.

The purchase price of the Vacall AJVR 1015 is $599,797 with a one-year warranty. The supplier gave the city two purchase options based on the delivery time of the truck. This price does not include the optional 4-year warranty at $14,000. Vacall is also on the state contract.

The soonest the Vacall truck can be built is December 2025. If the city signs the letter of intent and price quote Clinton can lock in the purchase price at $599,797. Payment is due within 30 days of the delivery of the truck (January 2026).

The City has the option for the truck to be delivered in July 2026. This would allow the City to budget for the truck across three fiscal years. The vehicle purchase price is the same, but the manufacturer will charge an inflation cost to hold the truck to 2026. The inflation cost is $9,917.23. The quote says this is 3% but it calculates to 1.65%. This makes the total purchase price in July 2026 at $609,714.23 without the additional 4-year warranty.

Vactor 2100i
The purchase price for the Vactor 2100i is $590,771.21 with a one-year warranty. We have purchase options for the Vactor as well.

	The Vactor truck will be delivered in April 2025. The City must sign the purchase agreement now to lock in this price. If we do not lock in the price by September 10th, we will be subject to a 6% inflation increase for 2025 and a new quote because they are coming off the state contract. Payment is due within 30 days of the delivery of the truck (May 2025). We do not have the funding available for this option. For a delivery of the Vactor Truck in July 2026 the estimated purchase price for the Vactor 2100i $663,790 with a one-year warranty. The quote is attached to the staff report. The price includes a manufacturer estimated 6% inflation per year for 2025 and 2026 which are shown on the quote. They stated that they will need to give us a new quote because they are coming off the state contract. Their quote also has a disclaimer that "Pricing and Availability Is Subject to Change Pending Availability of The Chassis or Any Manufacturer Surcharges." They cannot guarantee that the $663,790 will be the final pricing in July 2026. **Vac-Con** The purchase price of the Vac-Con VTA310HEN is $774,851. Due to the price, we have not considered Vac-Con's Bid. The quote is attached to the staff report. **VAC Truck Recommendation** Staff recommends purchasing the Vacall AJVR 1015 truck. This is the rear reel truck that best meets the needs of public works. They give an option for an additional 4-year warranty at $14,000. Given the quality of the truck, the warranty is probably not needed. We have done previous work with this vendor, and they have always done good work and met our needs. **Payment Proposal** Vacall does not require any payment upfront to start manufacturing the truck. Vacall is requesting a letter of intent (LOI) and to sign the price quote to reserve the purchase of the truck. This will allow Vacall to start manufacturing the truck and will lock in our final purchase price. The LOI is written based on a December 2025 delivery and would need to be modified for a July 2026 delivery if that option is selected. If the delivery of the truck is in December 2025, funding for the truck would be spread over two fiscal years with payment in January 2026. The current budget year has $300,000 budgeted for a new truck. $150,000 in the Sewer budget and $150,000 in the storm drain budget. Next year's budget would also need to include $300,000, $150,000 in the Sewer budget and $150,000 in the storm drain budget. **Delivery July 2026** If the delivery of the truck is in July 2026, funding for the truck can be spread out over three fiscal years with payment in August 2026. The current budget year has $300,000 budgeted for a new truck. $150,000 in the Sewer budget and $150,000 in the storm drain budget. With the truck purchase spanning three fiscal years, the remaining amount can be budgeted in 2025 and 2026. This would require a budget of $77,500 from sewer and storm drain accounts per year. This option would also leave $600,000 in city account earning interest that can offset some of the difference. Staff recommends that the council sign the Letter of Intent for the purchase of the Vacall

	AJVR 1015 for $599,797 with delivery in December 2025. With the intent to save money, the $14,000 additional 4-year warranty has been removed. This can be added back in if the council desires. City Manager Cahoon clarified the two-year option will be less expensive. However, there are funds available in reserves from the enterprise funds. He said the more conservative option would be the three-year option. There would also be more time for interest to accumulate in the reserve funds with the three-year option. Combined the storm drain reserve fund and the sewer reserve fund is currently at approximately $600,000.00. This does account for the funds already budgeted for this purchase. Councilmember Gray questioned how much cost could be involved if the current truck continually requires repairs for the next three years. Brad Verzimak with Vacall addressed the council to provide additional information. He explained the galvanization has a lifetime warranty for corrosion not erosion. If the December bill slot is chosen, they anticipate delivery mid-January, the 2025 pricing will be guaranteed and will save the city approximately $10,000.00. If delivery doesn't take delivery before July 2026, there will be a 3% increase plus an increase in chassis pricing. The council held a discussion on the fees, future costs of operation and potential costs for maintenance of the current truck. City Manager Cahoon stated the intent is to factor in the future costs for operation, maintenance, and capital expenditures into the fee structure for the utility accounts. Bryce Wilcox explained in this year's budget the $150,000.00 for this purchase has been included. There is also a $150,000.00 budgeted for depreciation. The sewer rate will need to be looked at for an increase next year. Funds from the SSSSD should also be used. Councilmember Searle said he would be in favor of stretching the cost out over the three years. Councilmember Tyler said he would be in favor of the three-year option if we got a 2026 truck. Mr. Verzimak responded he cannot guarantee a 2026 truck. He said he could carry a loan for $150,000.00 from January to July for an extra $10,000.00.
CONCLUSION	***Councilmember Gray moved to Sign the Letter of Intent and price quote for the purchase of the Vacall AJVR 1015 for $599,797.00 for delivery in December 2025. Councilmember Dougherty seconded the motion. Voting by roll call is as follows: Councilmember Arave, aye; Councilmember Dougherty, aye; Councilmember Gray, aye; Councilmember Searle, aye; and Councilmember Tyler, aye.***
D. BID AWARD FOR THE PUBLIC WORKS SHOP PAVING PROJECT	
Petitioner	Public Works Director David Williams
Discussion	The purpose of the Public Works Shop Paving Project is to install asphalt pavement in front of the salt shed at the public works shop. The area is currently gravel and dirt. The asphalt pavement will be a significant help to public works staff during salt loading/unloading operations. It will also allow public works to clean and maintain the

	area while also improving storm water pollution controls. The paving project is part of a long-term plan to install pavement throughout the shop yard. The shop paving was sent to various asphalt paving companies in the area with the city receiving three bids for the work. The bid tabulation is attached. The bid results are. Slippery Rock Constructors: $54,778.87 Eckles Paving: $63,002.04 Larose Paving: $73,203.33 Slippery Rock Constructors were the lowest bidder. The project will be paid for using money budgeted in the special roadway/street account #37. Slippery Rock Constructors has completed other miscellaneous projects in the city and have done acceptable work. We recommend awarding the Public Works Shop Paving Project to Slippery Rock Constructors for $54,778.87. Mayor Stanger said he feels the roads should be a priority over this project. Public Works Director David Williams stated he agrees that the roads are important. This project was scaled back in consideration of that. Salt is important in the winter. There are usually thirty plus trucks that deliver the salt. The asphalt is better for clean-up and makes delivery much easier. This item is included in the budget, it has worked its way up the priority list over the last few years. Councilmember Gray asked if concrete could be an option. Mr. Williams responded concrete would be an option. They could double the length of the existing pad and do the work themselves for $15,000.00 to $20,000.00. More room is needed for this area to function properly. Councilmember Searle stated he feels this is a discretionary expense. Engineer Bryce Wilcox explained this has been on a five-year priority list. It is important to keep the facilities in good condition. Looking ahead to large projects in the next few years, staff feels this is the right time to do this project. The intent behind the asphalt is to address a drainage issue. He explained he wishes the cost for road improvements was not so high. Approximately 300 ft of roadway can be completed with $50,000.00 right now. Mayor Stanger feels spending $15,000 in concrete is a good compromise.
CONCLUSION	***Councilmember Tyler moved to not accept the bids for asphalt but allow Public Works to spend up to $15,000.00 for concrete for the salt shed project. Councilmember Gray seconded the motion.*** ***Councilmember Dougherty questioned if staff's recommendations should be more of a consideration.*** ***Mr. Cahoon clarified this was included in the current budget. He is in favor of developing a funding mechanism for future projects. This project has been being planned for some time. If the council wishes, the project can be modified.*** ***Voting by roll call is as follows: Councilmember Arave, aye; Councilmember Dougherty, aye; Councilmember Gray, aye; Councilmember Searle, aye; and Councilmember Tyler, aye.***

	Councilmember Tyler amended the motion to clarify that the remaining balance of approximately $40,000 is to be used for street projects. Councilmember Gray seconded the amended motion. Voting by roll call is as follows: Councilmember Arave, aye; Councilmember Dougherty, aye; Councilmember Gray, aye; and Councilmember Tyler, aye. ***Councilmember Searle was excused from the meeting and did not vote.***
E. SURPLUS VEHICLES AND EQUIPMENT	
Petitioner	Dave Sottosanti, David Williams
Discussion	Public Works has used JJ Kane Auction for years and has done well using their services. The following equipment and vehicles have been replaced and can now be sold off at auction. Parks…………… 2004 Ford F150 Parks…………… 2007 Ford F250 Parks…………… 2007 Jacobsen 9016 lawn mower Water………….. 2008 Ford F150 Public Works….. 1988 Army Surplus Generator Mayor Stanger asked the finance director to do an analysis to see if the vehicles could be sold for more in the future in a private sale.
CONCLUSION	***Councilmember Gray moved to authorize staff to send the vehicles identified above to the JJ Kane Auction in Salt Lake City. Councilmember Arave seconded the motion. Voting by roll call is as follows: Councilmember Arave, aye; Councilmember Dougherty, aye; Councilmember Gray, aye and Councilmember Tyler, aye.***
Approval of Minutes	***Councilmember Tyler moved to approve the minutes of the August 27, 2024 City Council Meeting. Councilmember Gray seconded the motion. Voting is as follows: Councilmember Arave, aye; Councilmember Dougherty, aye; Councilmember Gray, aye and Councilmember Tyler, aye.***
Accounts Payable	***Councilmember Searle moved to approve the accounts payable. Councilmember Dougherty seconded the motion. Voting is as follows: Councilmember Arave, aye; Councilmember Dougherty, aye; Councilmember Gray, aye; Councilmember Searle, aye; and Councilmember Tyler, aye.***
Planning Commission Report	• The Planning Commission will meet on September 29, 2024. They will discuss accessory dwelling units and colors in the business district. • Their next meeting will be in October to discuss some subdivisions and site plans. Mayor Stanger asked Mr. Matson to address lighting in the industrial areas so that they are not so bothersome to neighboring homes.
City Manager Reports	• Staff is discussing the best options for funding the 800 North project. • Code Enforcement is on track. Abatement will need to be discussed soon. • Information regarding the Referendum requirements will be sent out soon.
Staff reports	• There were none.
Councilmember Arave	• RAB is starting testing for air quality.
Councilmember Dougherty	• Nothing currently.
Councilmember Gray	• Youth City Council will help with the 9-11 Service projects, the working wheels activity with Recreation, a food drive, work at the LDS Church Cannery • Clinton City received their Get Healthy Utah Award at the September ULCT Conference.
Councilmember Searle	• Excused

Councilmember Tyler	• Nothing currently.
Mayor Stanger	• Appreciates the Council that attended the ULCT Conference. He feels this is a good opportunity. • Thanked the council and staff for all their dedication and hard work.
ADJOURNMENT	***Councilmember Tyler moved to adjourn. Councilmember Arave seconded the motion. Council members Arave, Dougherty, Gray and Tyler voted in favor of the motion. The meeting adjourned at 7:30 pm.***

Dated this 8th day of October, 2024
/s/Lisa Titensor, Clinton City Recorder

`

CLINTON CITY COUNCIL SPECIAL MEETING
CLINTON CITY HALL
2267 North 1500 W Clinton UT 84015

MAYOR
Brandon Stanger

CITY COUNCIL MEMBERS
Marie Dougherty
Dane Searle
Gary Tyler
Spencer Arave
Austin Gray

Date of Meeting	**September 12, 2024,**	**6:00 PM**
Attendance	**Councilmember Arave, Councilmember Dougherty, Councilmember Gray, Councilmember Searle, Councilmember Tyler was excused.** **Amy Mills, Leda Lechtenberg**	

A. REFERENDUM – ASSIGN LETTER OF OPPOSITION

DISCUSSION	This is a special meeting to assign an individual to write an official letter of opposition to the referendum filed on Ordinance 24-04Z. State Law allows the City Council to select one citizen to write a letter in opposition. This letter would be in support of the City's Action that took place on August 27. The law allows that citizen to be a member of the city council if they so choose, or they may select a member of the public. The Council was in consensus to nominate Councilmember Gray.
CONCLUSION	**Councilmember Arave moved to authorize Austin Gray to write a letter of opposition to the referendum for Ordinance 24-04Z. Councilmember Searle seconded the motion. Voting is as follows: Councilmember Dougherty, aye ;Councilmember Arave, aye; Councilmember Gray, aye ;Councilmember Searle, aye.**
ADJOURNMENT	**Councilmember Gray moved to adjourn. Councilmember Arave seconded the motion. Voting is as follows: Councilmember Dougherty, aye ;Councilmember Arave, aye; Councilmember Gray, aye ;Councilmember Searle, aye. The meeting adjourned at 6:14 pm.**

Dated this 8th day of October 2024
/s/Lisa Titensor, Clinton City Recorder