

PLEASANT VIEW CITY CORPORATION

DECANT FACILITY IMPROVEMENTS

INDEX

CIVIL SHEETS

- 1 COVER SHEET, SHEET INDEX, PROJECT LOCATION
- 2 GENERAL NOTES AND LEGEND
- 3 SHEET LAYOUT
- 4 OVERALL SITE AND UTILITY PLAN
- 5 WEST SITE AND UTILITY PLAN
- 6 EAST SITE AND UTILITY PLAN
- 7 OVERALL GRADING AND DRAINAGE PLAN
- 8 WEST GRADING AND DRAINAGE PLAN
- 9 EAST GRADING AND DRAINAGE PLAN
- 10 3000 NORTH PLAN AND PROFILE (9+00 to 14+50)
- 11 3000 NORTH PLAN AND PROFILE (14+50 TO 17+00)
- 12 PUBLIC WORKS DRIVE PLAN AND PROFILE
- 13 DECANT LANE PLAN AND PROFILE
- 14 SANITARY SEWER LATERAL PLAN AND PROFILE
- 15 SANITARY SEWER LATERAL PLAN AND PROFILE
- 16 DETAIL SHEET 1
- 17 DETAIL SHEET 2
- 18 DETAIL SHEET 3
- 19 DETAIL SHEET 4

ELECTRICAL SHEETS

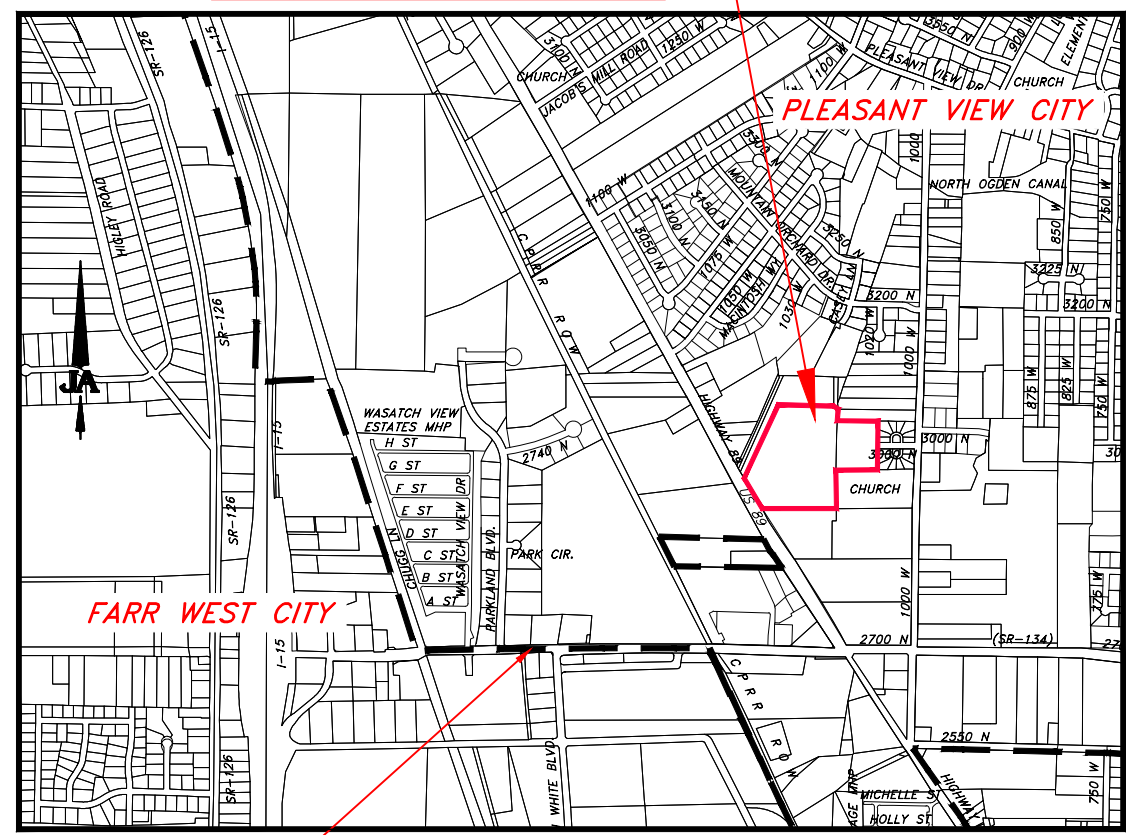
- E1.1 LEGEND & GENERAL NOTES
- E2.1 ONE-LINE DIAGRAM & SCHEDULES
- E3.1 PARTIAL SITE PLAN
- E3.2 DECANT BUILDING
- E3.3 SHED AND SERVICE EQUIPMENT
- E4.1 SITE PHOTOMETRICS
- E5.1 COMCHECK SHT 1
- E5.2 COMCHECK SHT 2
- E6.1 SERVICE ENTRANCE DETAILS
- E6.2 MILBANK PEDESTAL DETAIL SHT 1
- E6.3 MILBANK PEDESTAL DETAIL SHT 2
- E6.4 ELECTRICAL DETAILS

STRUCTURAL SHEETS

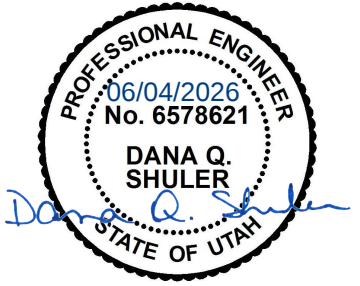
- S-01 FOUNDATION PLAN
- S-02 SLAB PLAN
- S-03 ROOF PLAN
- S-04 SECTION AND DETAILS - 1
- S-05 SECTION AND DETAILS - 02
- S-06 DETAILS - 01
- GS-01 GENERAL STRUCTURAL NOTES - 01
- GS-02 GENERAL STRUCTURAL DETAILS - 01
- GS-03 GENERAL STRUCTURAL DETAILS - 02

2026 PLEASANT VIEW CITY STANDARD DRAWINGS (BY REFERENCE)

PROJECT LOCATION



Location Map

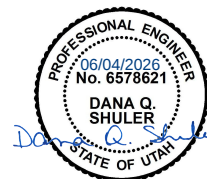


JUNE 2026

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY'S PUBLIC WORKS STANDARDS, UNLESS OTHERWISE SPECIFIED. COPIES OF THE STANDARDS ARE AVAILABLE ON THE CITY'S OR THE CITY ENGINEER'S WEBSITE AND ARE NOT INCLUDED IN THIS SET OF DRAWINGS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL REFERENCED DRAWINGS.
2. ALTHOUGH NOT INCLUDED WITH THE DRAWINGS AND DETAILS FOR THIS PROJECT, THE APWA PLANS AND SPECIFICATIONS (MANUAL OF STANDARD SPECIFICATIONS, AS PUBLISHED BY UTAH LTAP CENTER, UTAH STATE UNIVERSITY, LOGAN, UTAH, CURRENT EDITION, WITH ALL AMENDMENTS) ARE HEREBY ADOPTED AS PART OF THIS PROJECT AND APPLY TO ANYTHING NOT EXPLICITLY COVERED BY DRAWINGS OR SPECIFICATIONS ASSOCIATED WITH THIS PROJECT.
3. ANY DAMAGED SIDEWALK, CURB, GUTTER, OR PEDESTRIAN RAMPS CAUSED BY THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT NO COST TO THE CITY. WHEN CURB, GUTTER, OR SIDEWALK IS REMOVED, IT SHALL BE REMOVED TO THE NEAREST EXISTING JOINT.
4. ASPHALT SAWCUTS MUST BE CLEANED AND A TACK-COAT APPLIED BEFORE NEW ASPHALT PLACEMENT.
5. THE CONTRACTOR SHALL REVIEW THE DRAWINGS, VERIFY, AND BE RESPONSIBLE FOR ALL DIMENSIONS AND SITE CONDITIONS AT THE SITE, AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THE INFORMATION SHOWN ON THE DRAWINGS BEFORE PROCEEDING WITH THE WORK.
6. EXISTING UTILITY LOCATIONS SHOWN MAY NOT BE EXACT, AND NOT ALL UTILITIES MAY BE SHOWN. CONTACT BLUE STAKES AT 811 BEFORE EXCAVATING.
7. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND COOPERATING WITH ALL UTILITY COMPANIES REGARDING RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION TO ENSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY MANNER AND WITH MINIMAL DISRUPTION OF SERVICE.
8. BEFORE LAYING PIPE AND STRUCTURES, THE CONTRACTOR SHALL POTHOLE UTILITIES THAT MAY HAVE POTENTIAL CONFLICTS WELL IN ADVANCE OF THE WORK TO ALLOW FOR ADJUSTMENTS IN THE PROPOSED DESIGN TO AVOID CONFLICTS.
9. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF ANY APPLICABLE REGULATORY AGENCY WITH AUTHORITY OVER ANY PORTION OF THE WORK.
10. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND ANY STANDARD DETAILS AND SPECIFICATIONS.
11. THE CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR THE TEMPORARY ERECTION OF BRACING AND SHORING NECESSARY TO ENSURE THE STABILITY OF STRUCTURES AND EXCAVATIONS DURING ALL CONSTRUCTION PHASES, AS REQUIRED BY OSHA.
12. THE PROJECT'S HORIZONTAL AND VERTICAL DATUMS ARE BASED ON A FIELD SURVEY AND SHALL BE USED FOR PROJECT CONTROL. THE PROJECT COORDINATE SYSTEM IS NAD 83 STATE PLANE UTAH NORTH NADV88. INITIAL CONSTRUCTION STAKING WILL BE PROVIDED BY THE OWNER. ANY ADDITIONAL CONSTRUCTION STAKING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONSTRUCTION STAKING SCHEDULING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
13. THE CONTRACTOR SHALL OBTAIN ALL CITY PERMITS. NO FEE WILL BE CHARGED.
14. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ALL FLAGGING, BARRICADES, AND TRAFFIC CONTROL MEASURES NECESSARY TO ENSURE SAFETY FOR THE GENERAL PUBLIC AND OWN CONSTRUCTION PERSONNEL DURING CONSTRUCTION. A TRAFFIC CONTROL PLAN SHALL BE DEVELOPED BY THE CONTRACTOR AND SUBMITTED TO THE CITY FOR APPROVAL. ONLY APPROVED TRAFFIC CONTROL PLANS MAY BE USED ON THE PROJECT.
15. IF A ROAD CLOSURE IS DESIRED BY THE CONTRACTOR, ALL POTENTIAL CLOSURES MUST BE APPROVED BY THE CITY, AND ALL PUBLIC TRANSPORTATION AND EMERGENCY SERVICE AGENCIES MUST BE NOTIFIED WELL IN ADVANCE. THE CONTRACTOR MUST MAINTAIN ACCESS FOR LOCAL TRAFFIC.
16. THE CONTRACTOR SHALL HAVE A VALID UTAH CONTRACTOR'S LICENSE BEFORE AND THROUGHOUT CONSTRUCTION, UNTIL THE WORK IS FINISHED.
17. THE CONTRACTOR SHALL KEEP CONSTRUCTION AREAS CLEAN. ALL DEBRIS, RUBBISH, AND TRASH MUST BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ANY EQUIPMENT NECESSARY TO DEWATER EXCAVATIONS.
19. ALL BACKFILL MATERIAL IN CITY STREETS SHALL BE COMPACTED TO A MINIMUM OF 95% DRY DENSITY. ANY UNSUITABLE MATERIAL SHALL BE REMOVED AND PLACED IN NON-STRUCTURAL BACKFILL AREAS OR HAULED AWAY. IMPORTED GRANULAR BACKFILL MATERIAL SHALL BE REQUIRED IN TRENCH AND ROADWAY AREAS IF PROPER COMPACTION CANNOT BE ACHIEVED WITH NATIVE MATERIAL. THE CITY ENGINEER OR INSPECTOR MAY REQUIRE IMPORTED GRANULAR BACKFILL AT THEIR DISCRETION.
20. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO UPDES STORM WATER QUALITY REGULATIONS AND FOR DEVELOPING AND IMPLEMENTING A STORM WATER POLLUTION PREVENTION PLAN (SWPPP). A SWPPP TEMPLATE CAN BE FOUND AT [HTTPS://DOCUMENTS.DEQ.UTAH.GOV/WATER-QUALITY/PERMITS/UPDES/DWQ-2018-006549](https://documents.deq.utah.gov/water-quality/permits/updes/dwq-2018-006549). THE CONTRACTOR WILL BE RESPONSIBLE FOR FILING THE NOTICE OF INTENT (NOI) AND UPDATING THE SWPPP AS NEEDED THROUGHOUT THE PROJECT.

29. PIPELINE TESTING FOR WATER, SEWER, AND STORM DRAIN LINES SHALL CONFORM TO THE SPECIFICATIONS OUTLINED IN THE CONTRACT DOCUMENTS' SPECIFICATIONS SECTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESSURE TESTING WATER LINES, DISINFECTING THE WATER LINES, AND REMOVING HIGH CHLORINE LEVELS. THE OWNER SHALL CONDUCT BACTERIA AND HIGH-CHLORINE TESTING. THE CONTRACTOR SHALL PROVIDE VIDEO DOCUMENTATION OF ALL SEWER AND STORM DRAIN LINES UPON PROJECT COMPLETION.
30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TEMPORARY WATER, POWER, OR OTHER UTILITIES NEEDED TO COMPLETE THE PROJECT AS SPECIFIED. WATER FOR COMPACTION, FLUSHING, AND HYDROSTATIC TESTING IS THE CONTRACTOR'S RESPONSIBILITY BUT IS AVAILABLE FROM THE CITY.

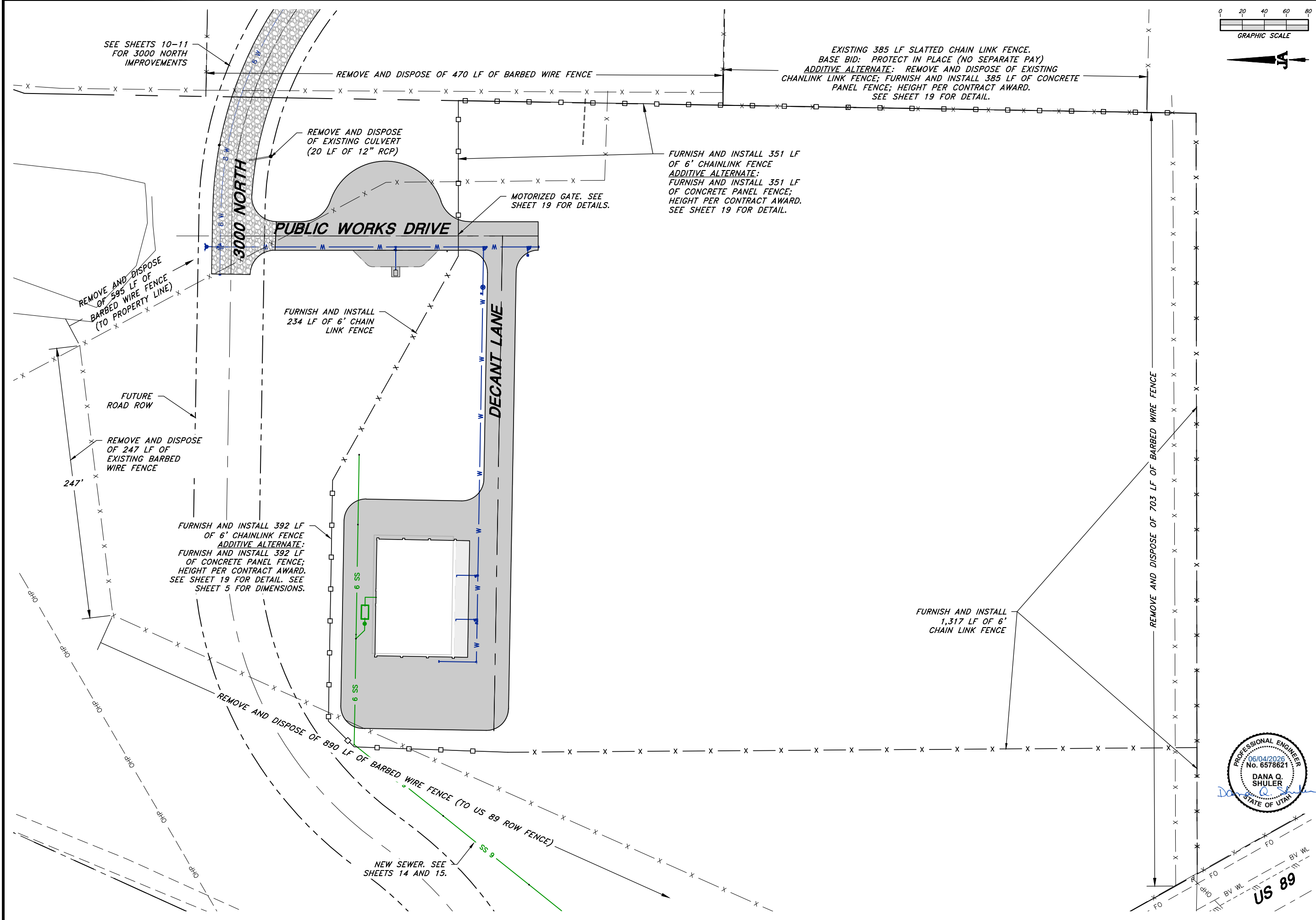
	EXISTING / FUTURE	PROPOSED
PROPERTY OR R/W LINE		
GENERAL UTILITY EASEMENT (G.U.E.)		
FENCE, CHAIN LINK		
FENCE, CONCRETE PANEL		
CONTOUR LINE		
CULINARY WATER (CITY) - PLAN		
CULINARY WATER (CITY) - PROFILE		
SANITARY SEWER - PLAN		
SANITARY SEWER - PROFILE		
STORM DRAIN LINE - PLAN		
STORM DRAIN LINE - PROFILE		
GAS LINE		
TELEPHONE / CABLE TV		
FIBER OPTIC		
OVERHEAD POWER		
UNDERGROUND POWER		
OVERHEAD COMMUNICATIONS		
(TELEPHONE / CABLE TV)		
POLE & ANCHOR		
IRRIGATION - PLAN		
IRRIGATION - PROFILE		
OPEN DITCH		
FIRE HYDRANT		
WATER VALVE		
CURB, GUTTER AND SIDEWALK		



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1-800-662-4111



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**OVERALL SITE AND
UTILITY PLAN**

[illegible]

SEH DESIGNED	SEH DRAWN	DQS CHECKED
22" X 34" H: 1" = 40'	11" X 17" H: 1" = 80'	

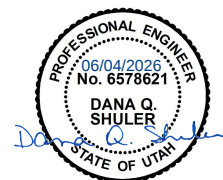
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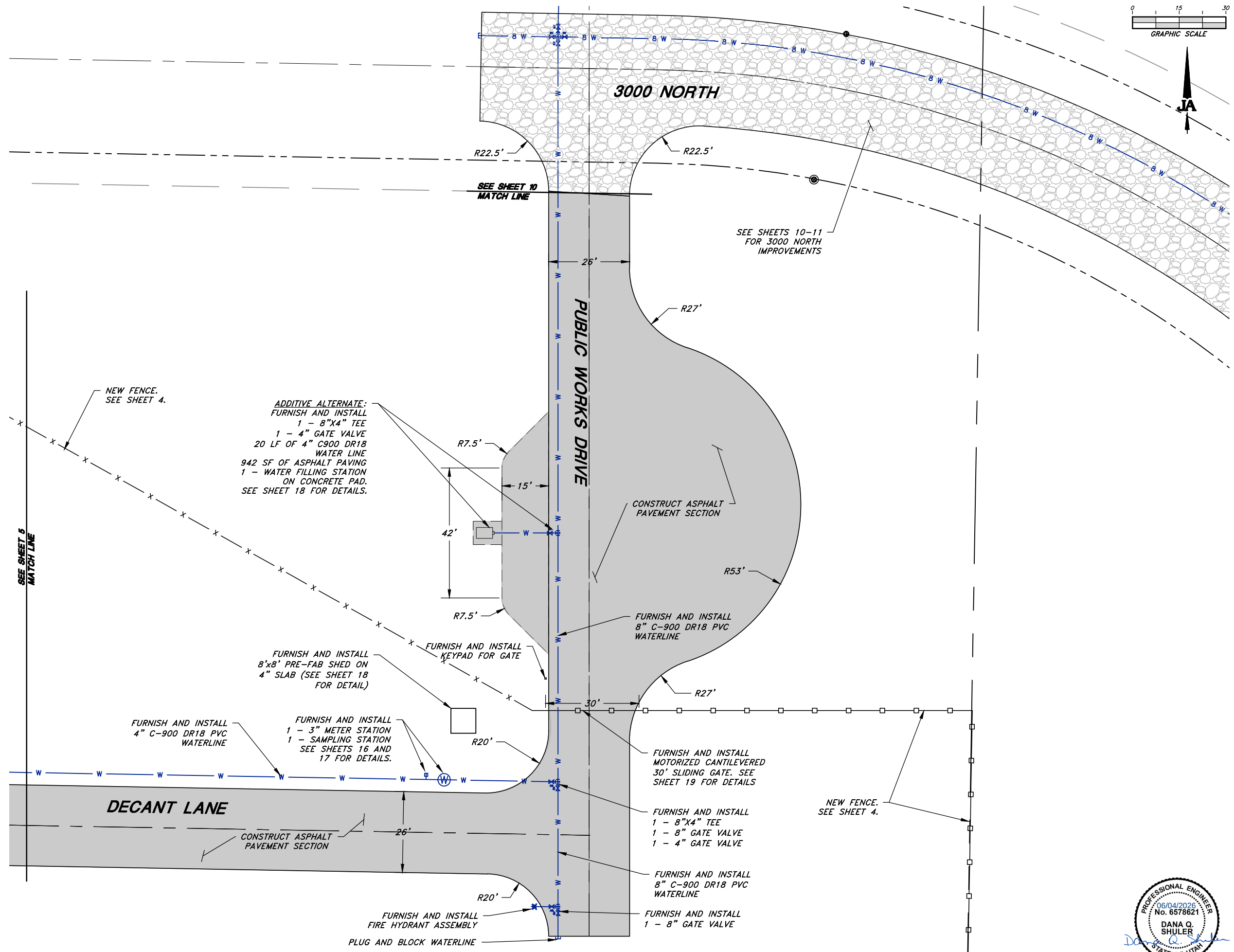
X SHEET

WEST SITE AND UTILITY PLAN

SCALE:	$22'' \times 34''$	SEH DESIGNED
	$H: 1'' = 15'$	SEH DRAWN
	$11'' \times 17''$	DOS CHECKED
	$H: 1'' = 30'$	

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5
OF X SHEETS





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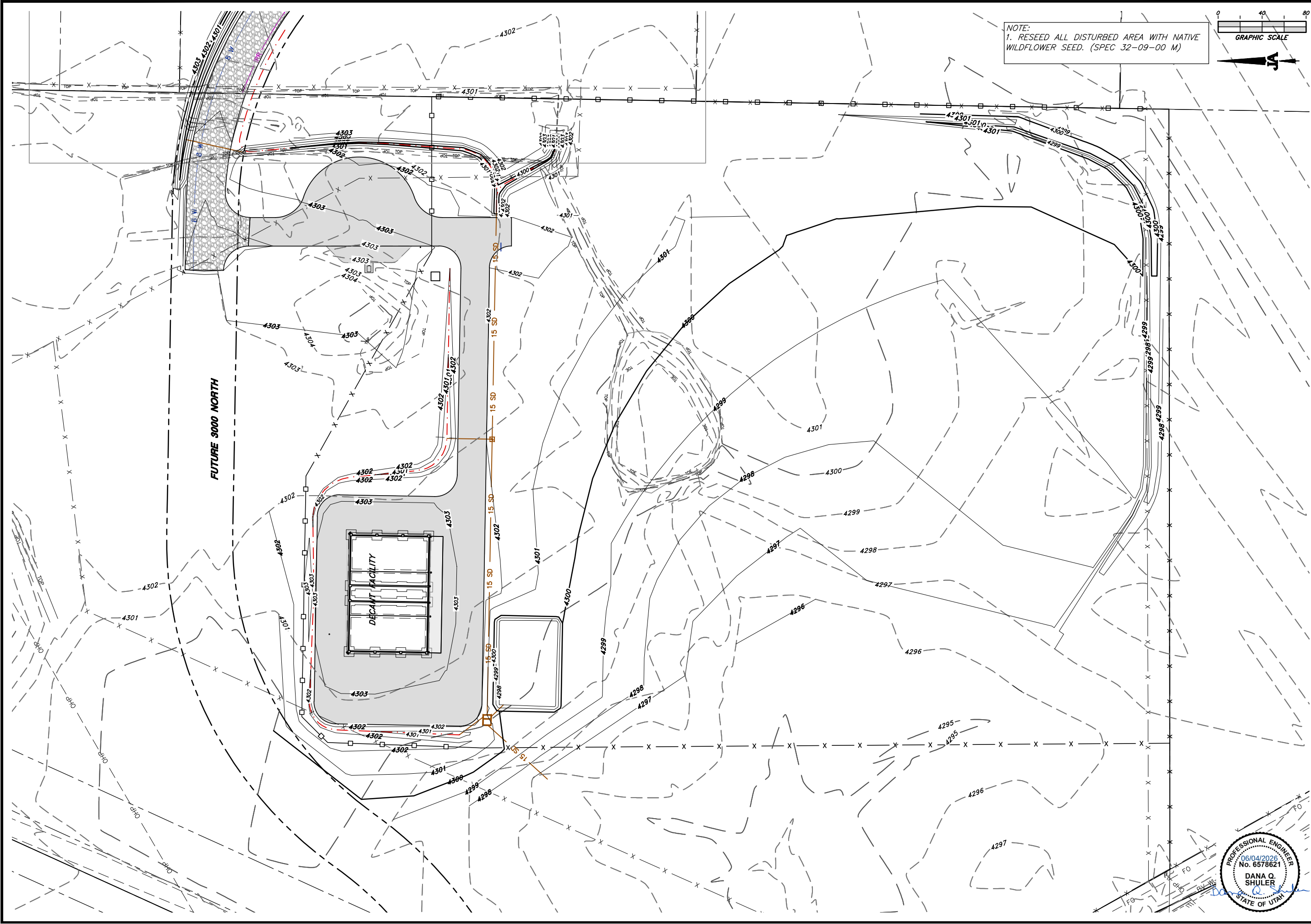
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OF X SHEETS

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DECANT FACILITY IMPROVEMENTS

OVERALL GRADING AND DRAINAGE PLAN

REV.	DATE	APPR.

SCALE:
22'x34"
H:1"=40'

SEH
DESIGNED

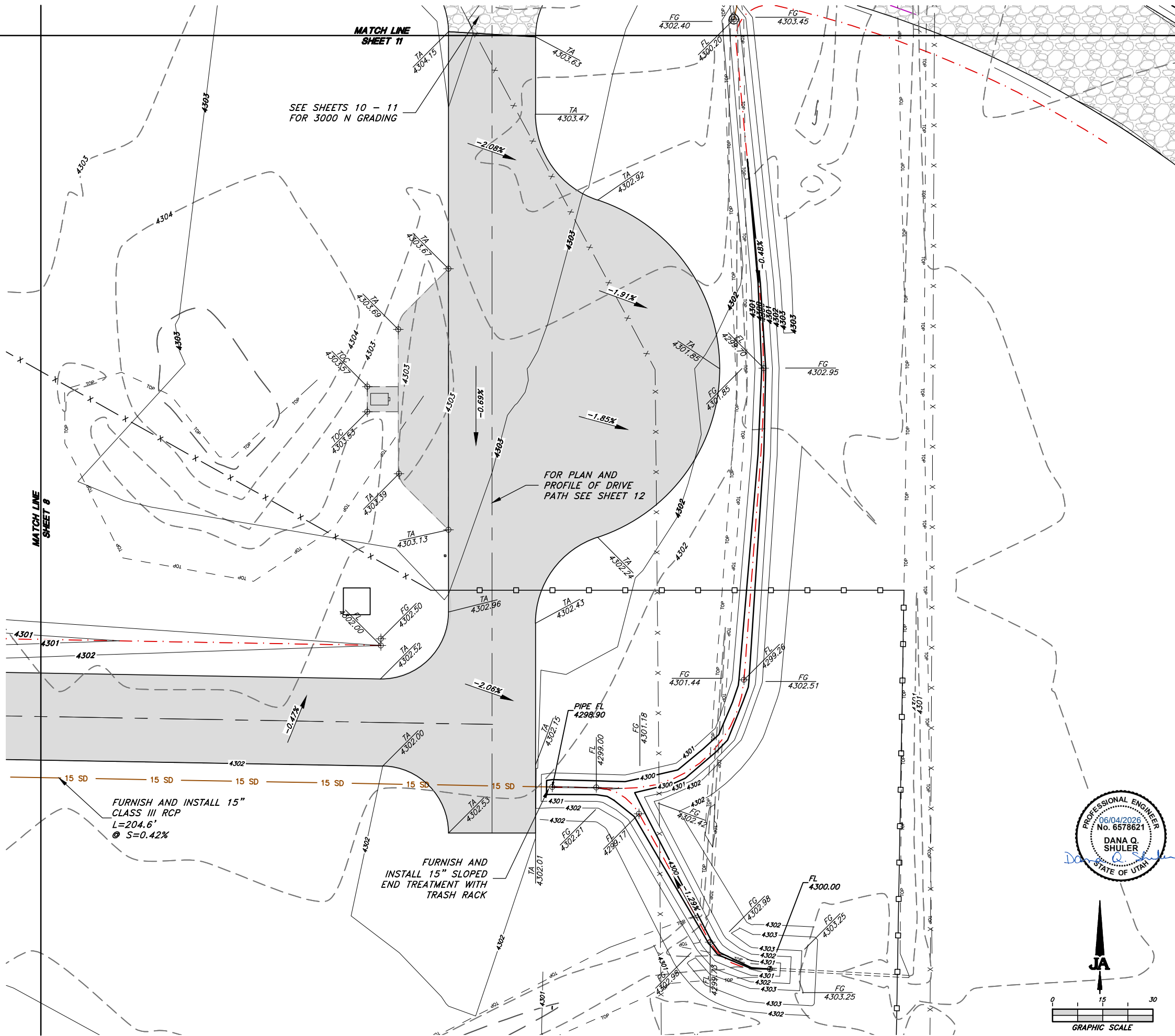
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DQS
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7
OF X SHEETS

PROFESSIONAL ENGINEER
06/04/2026
No. 6578621
DANA Q. SHULER
STATE OF UTAH

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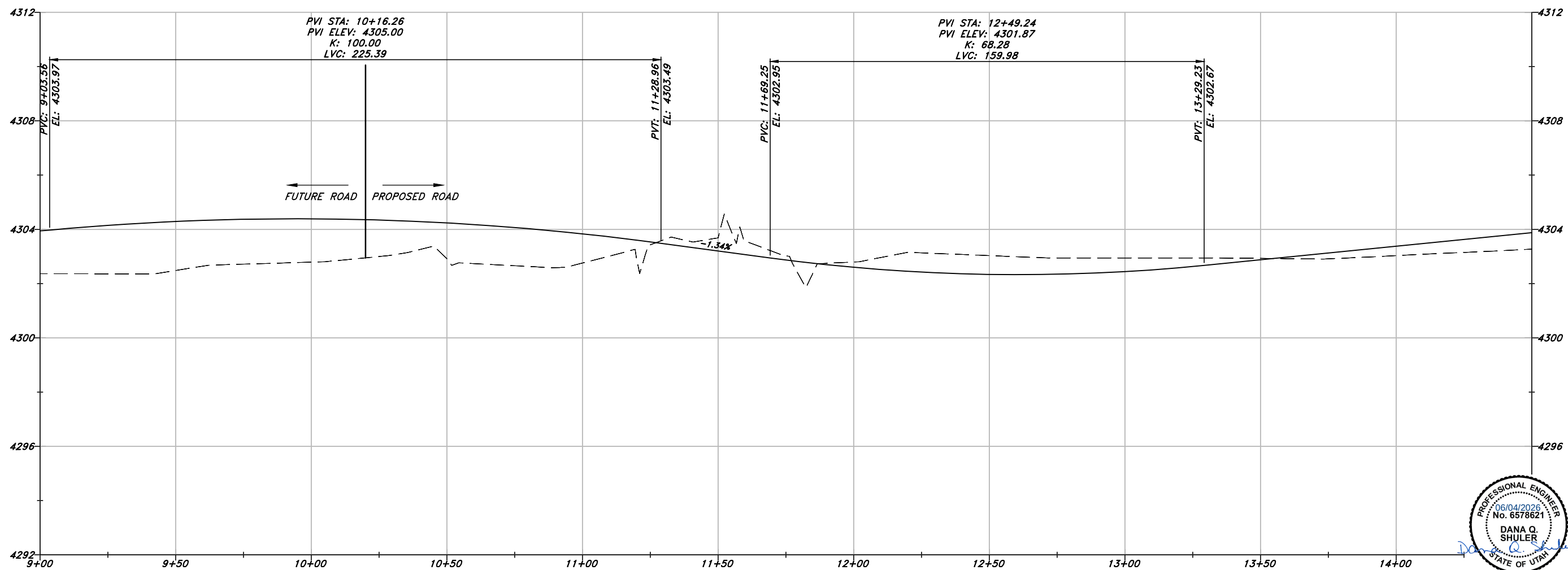
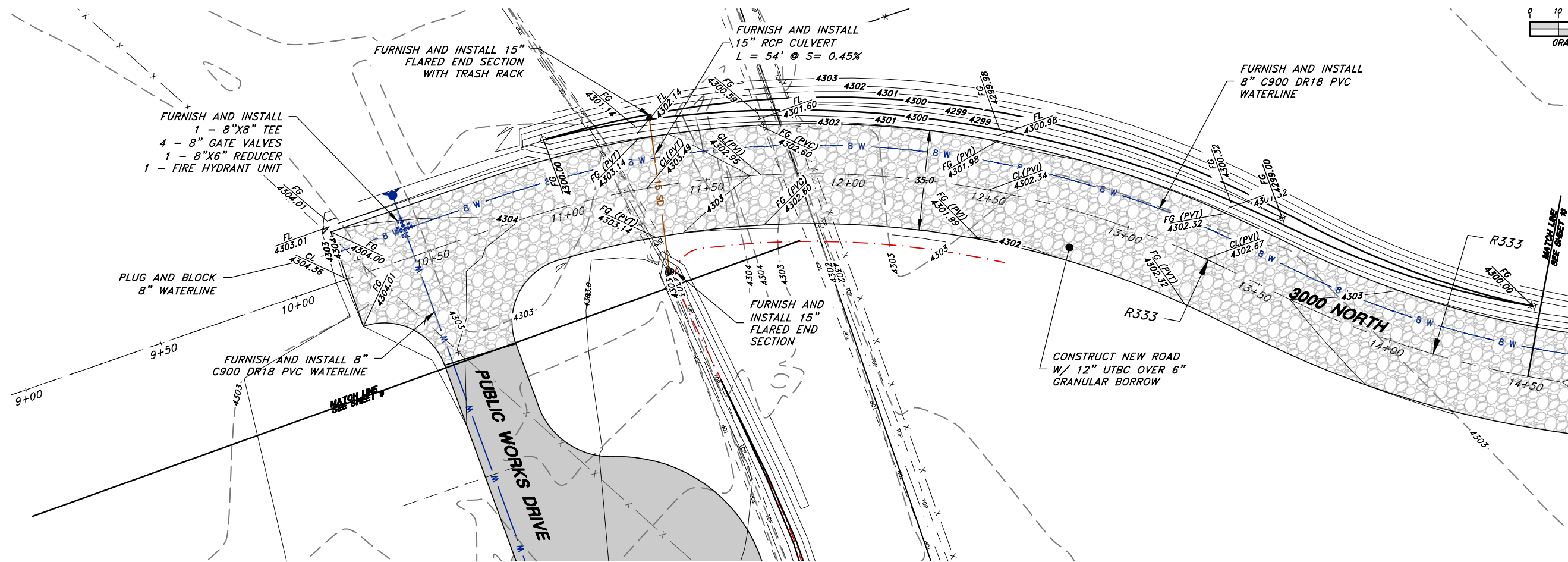
PLEASANT VIEW CITY CORPORATION
DECANT FACILITY IMPROVEMENTS

EAST GRADING AND DRAINAGE PLAN

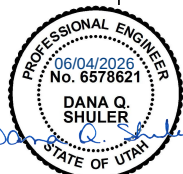
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SCALE:	DESIGNED	DRAWN	CHECKED	REV.	DATE	APPR.
22'x34'	SEH	SEH	DQS			
H:1"=15'						
11'x17'						
H:1"=30'						
SHEET:						
9						
OF X SHEETS						



PVI STA: 12+49.24
PVI ELEV: 4301.87
K: 68.28
LVC: 159.98



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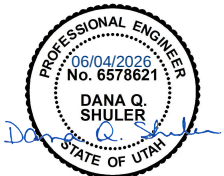
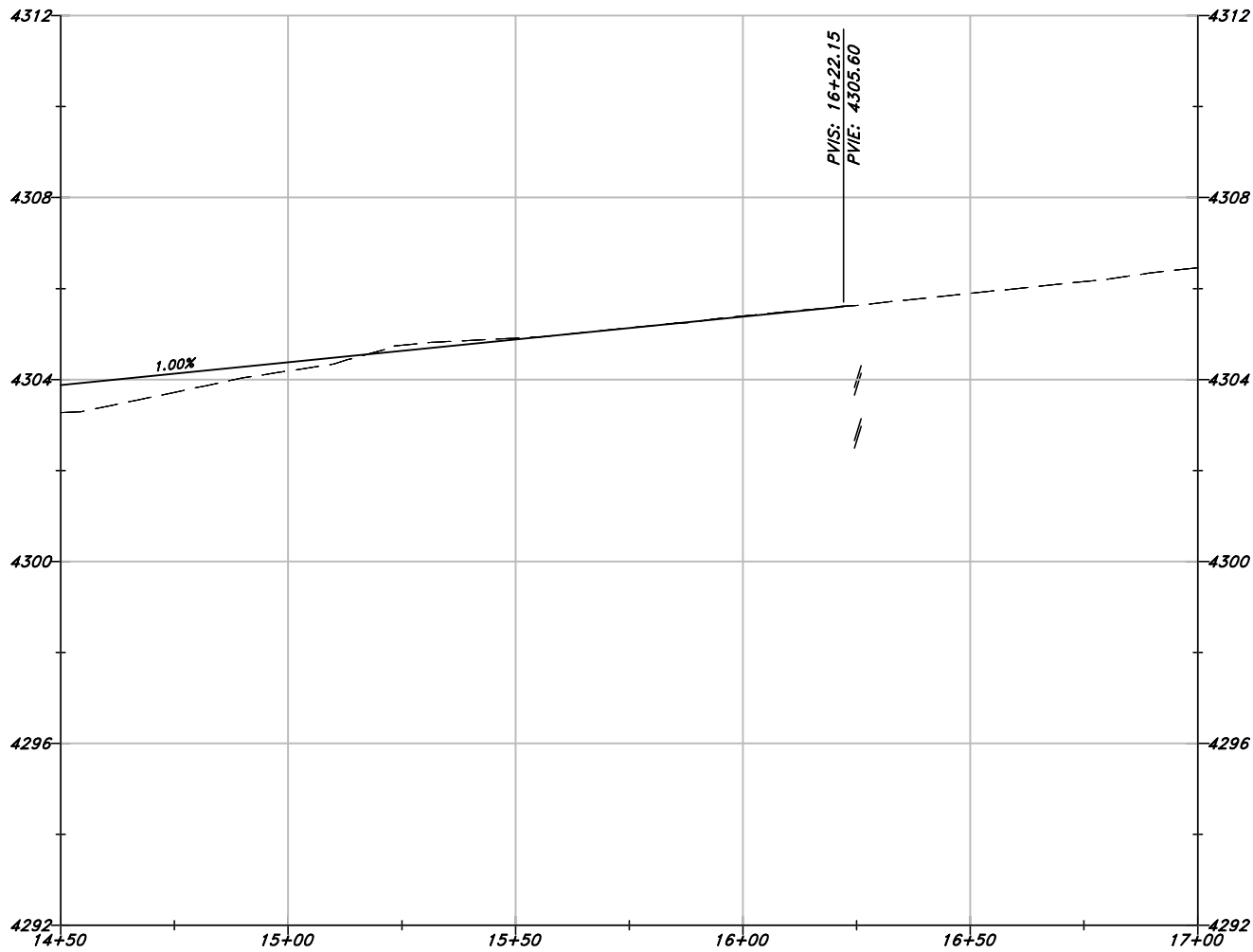
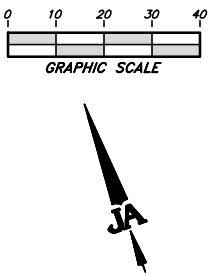
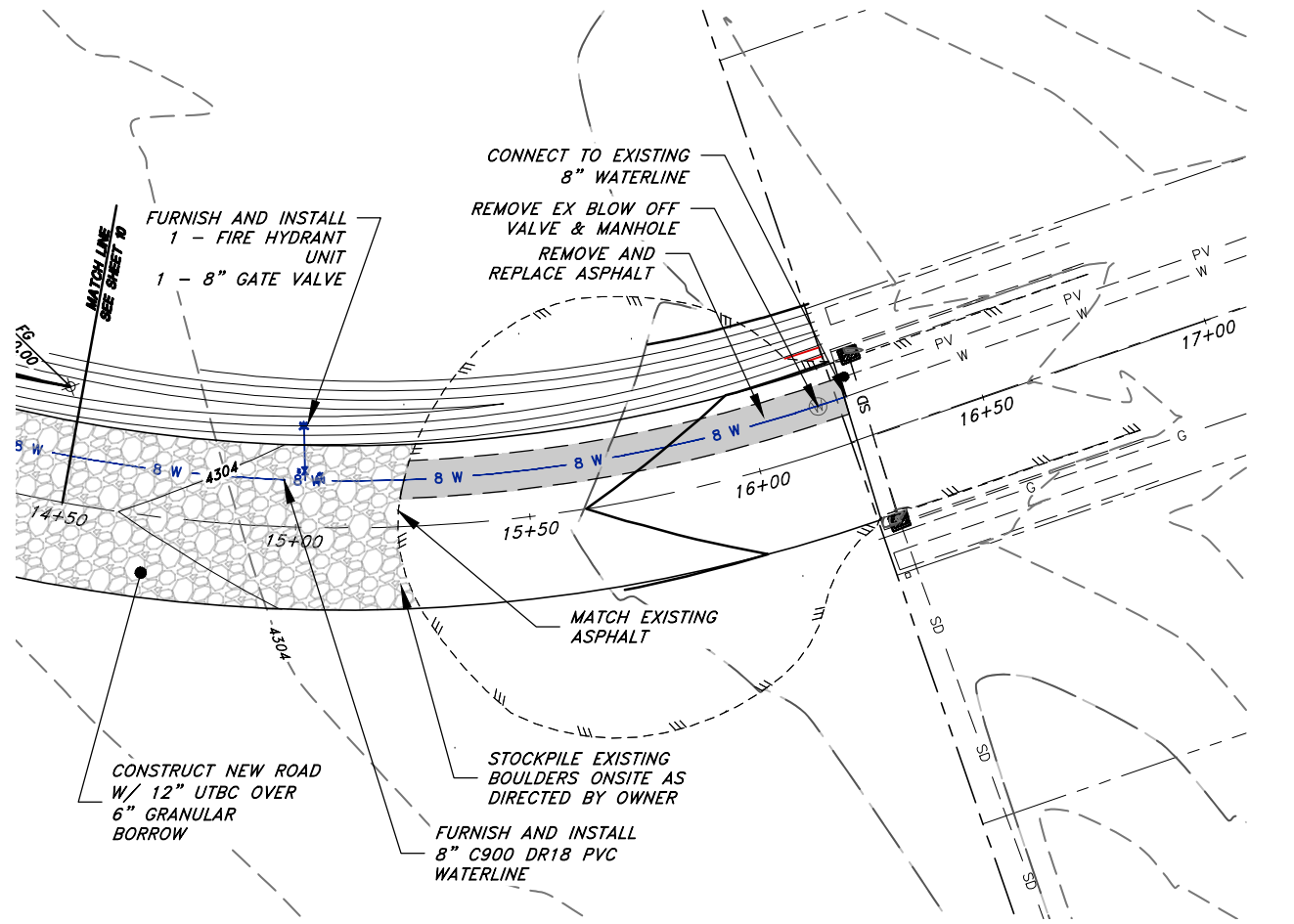
**3000 NORTH PLAN AND PROFILE
(9+00 TO 14+50)**

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$V:1''=2'$			
$11' \times 17'$			
$H:1''=40'$			
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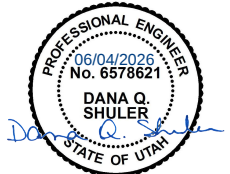
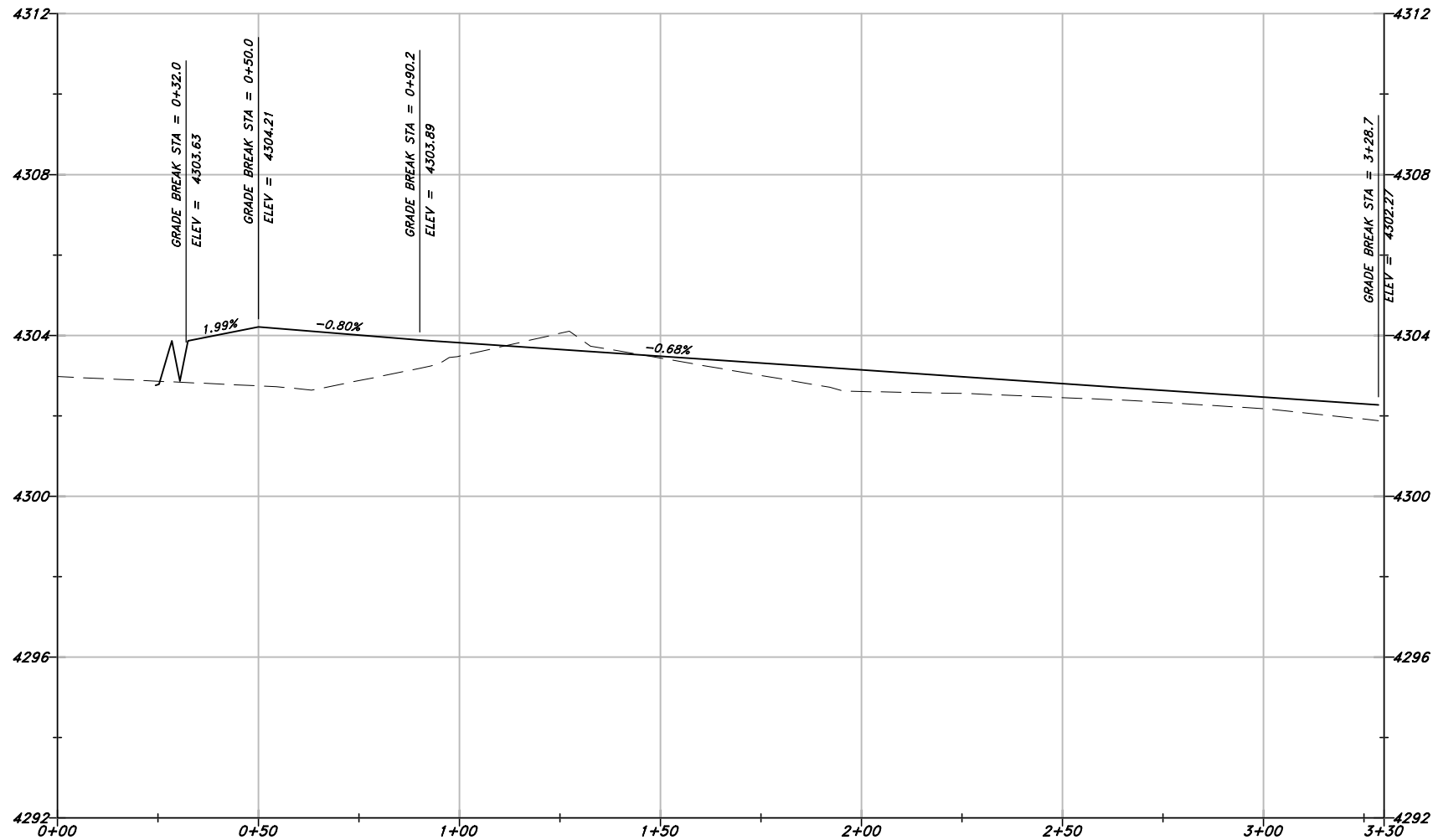
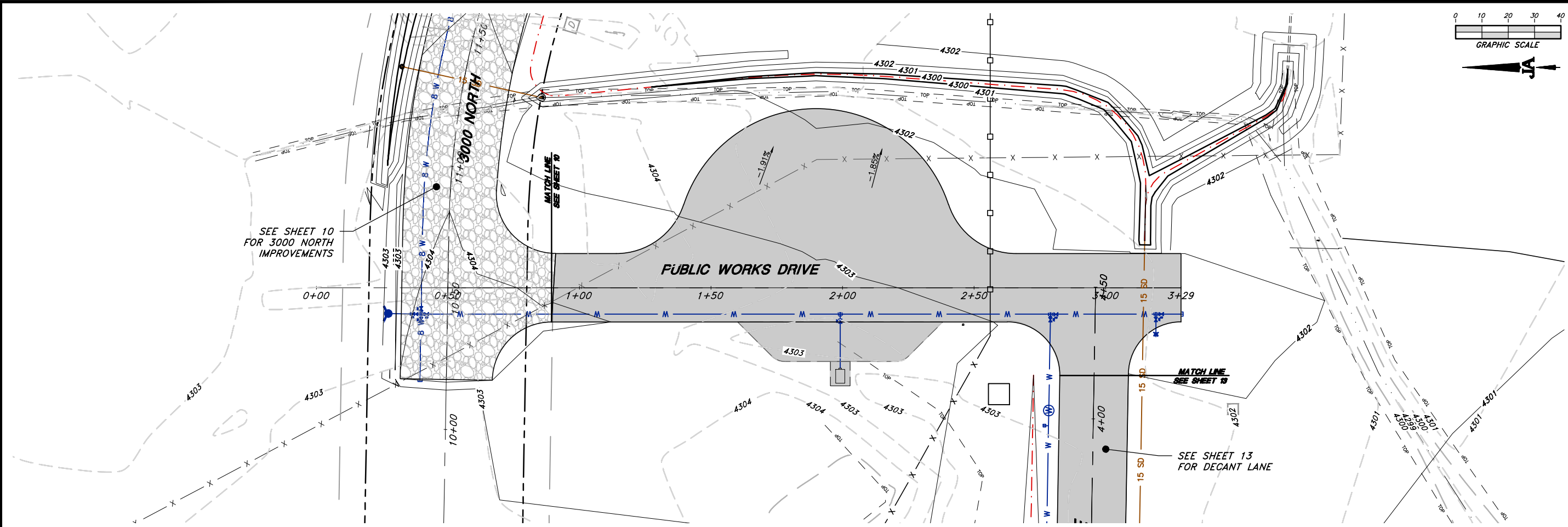
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11'x17"						
H:1"=40'						
V:1"=4'						
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DECANT FACILITY IMPROVEMENTS

PUBLIC WORKS DRIVE
PLAN AND PROFILE

REV.	DATE	APPR.

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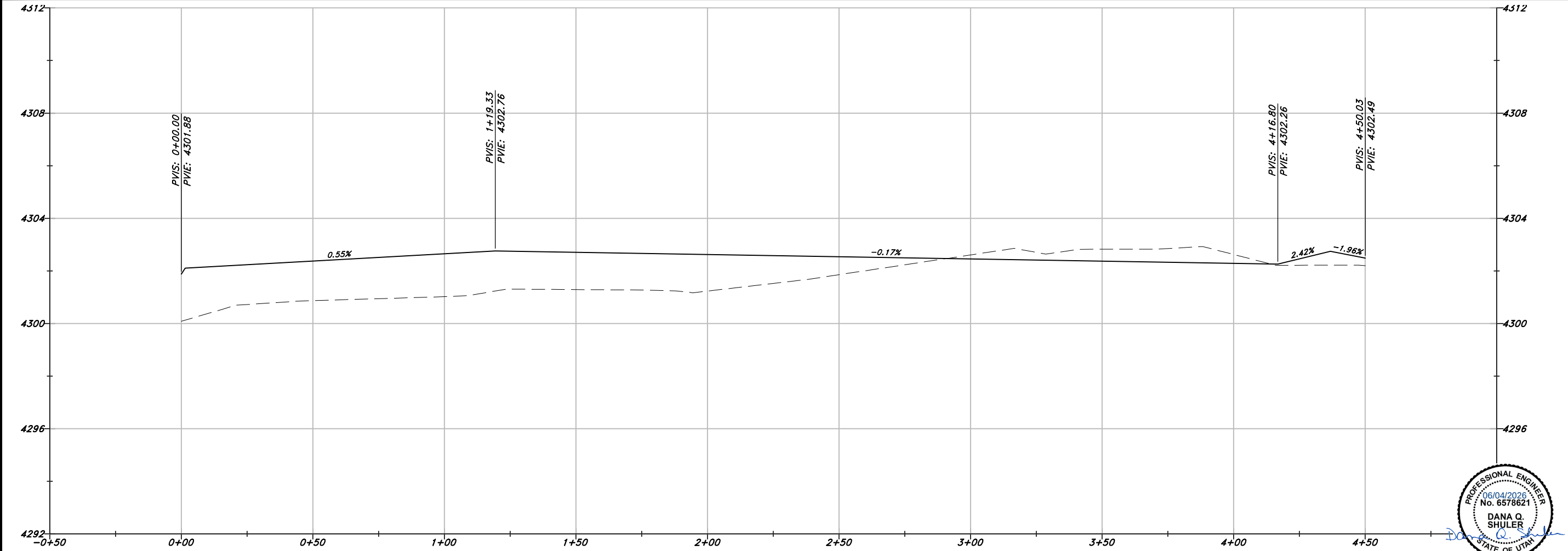
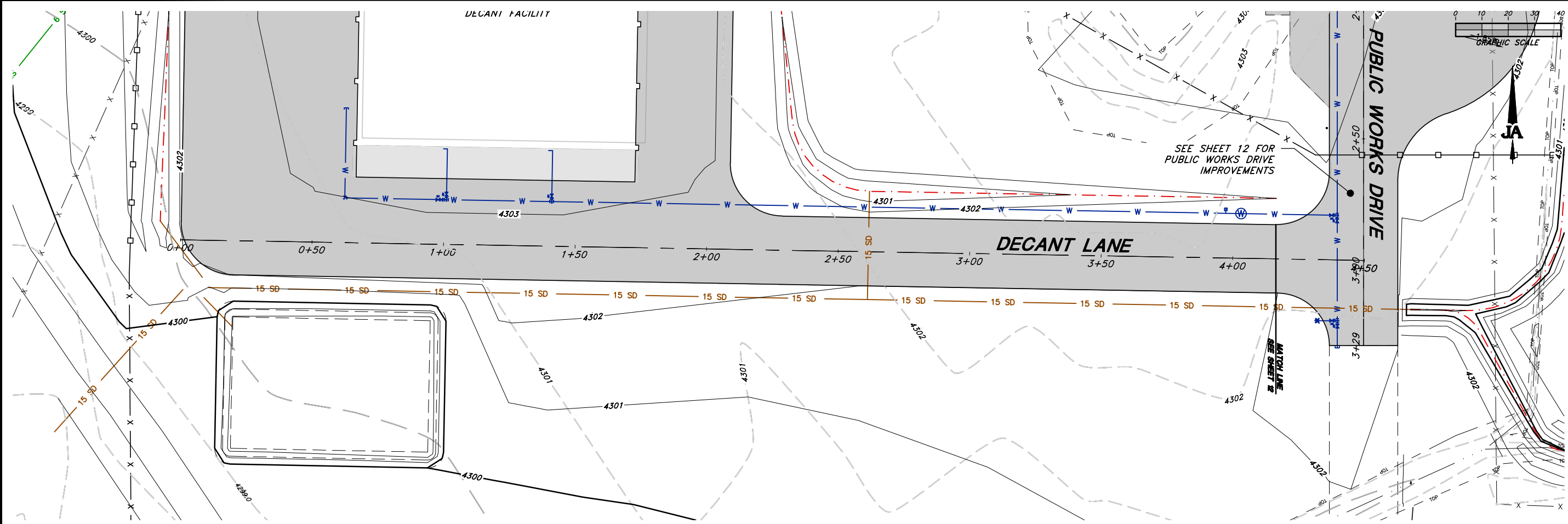
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DECANT FACILITY IMPROVEMENTS

DECANT LANE

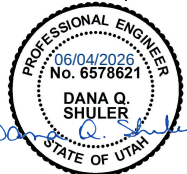
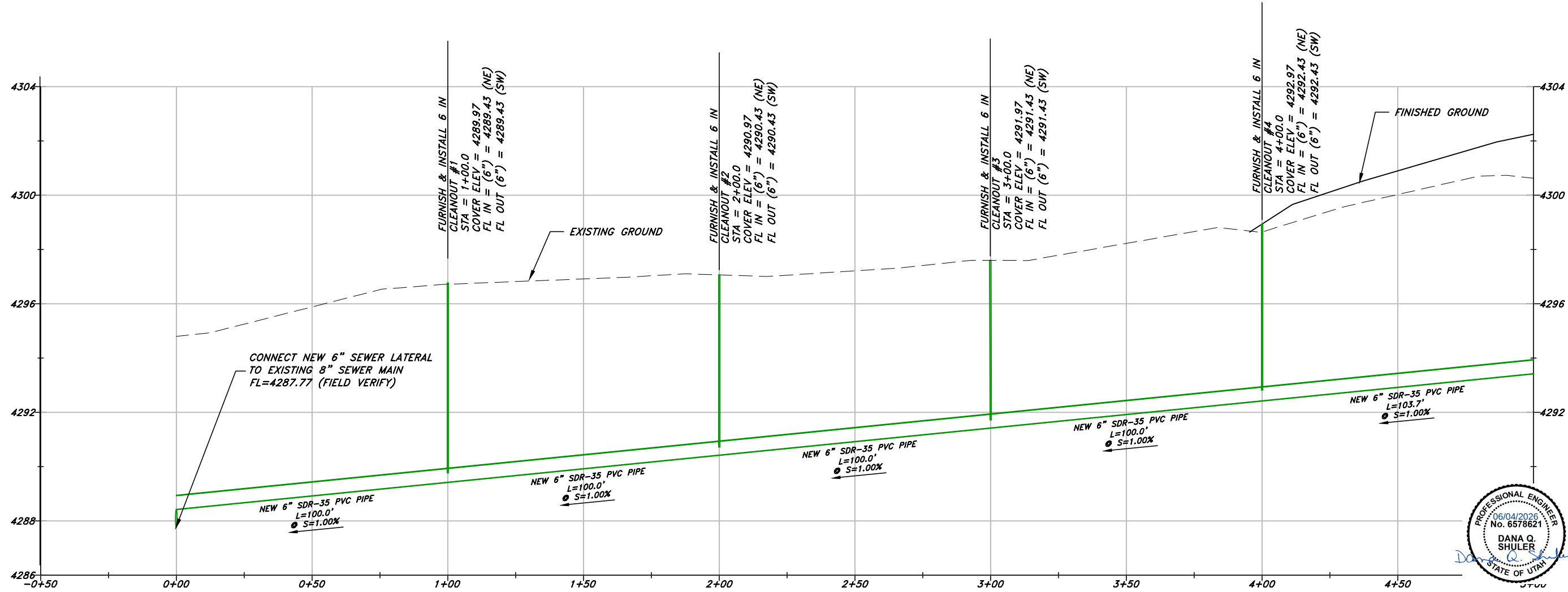
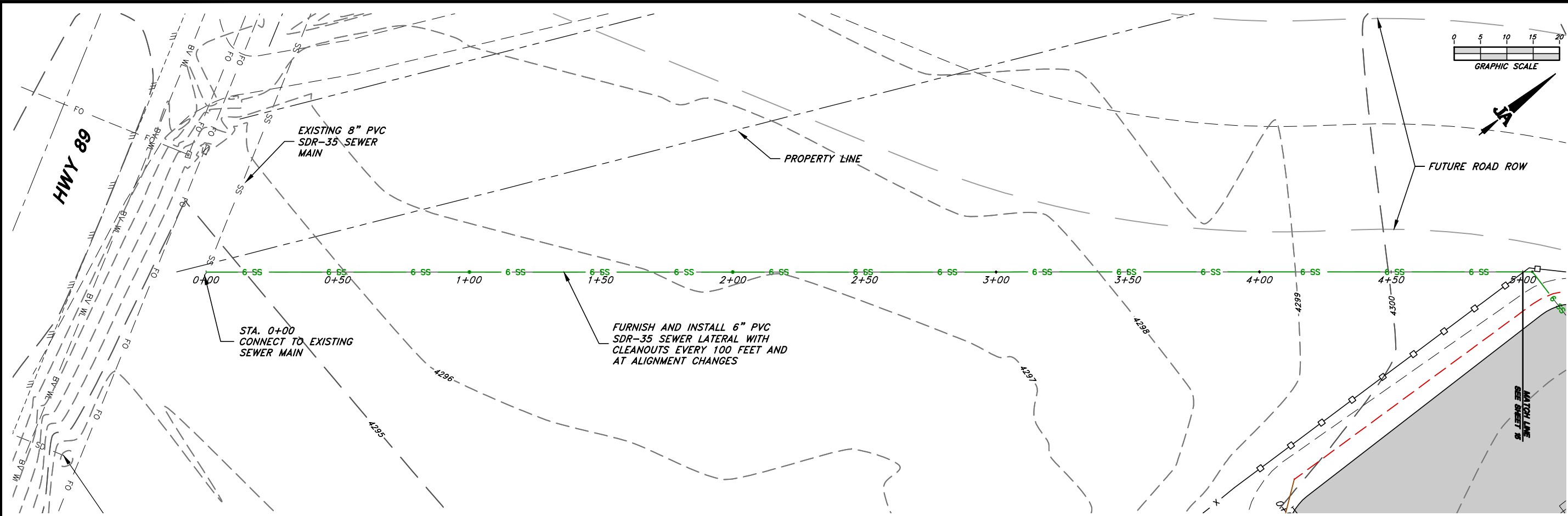
PLAN AND PROFILE

REV.	DATE	APPR.

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H:1"=20'			
V:1"=2'			
H:1"=40'			
V:1"=4'			

SHEET:
13
OF X SHEETS

G:\Clients\Pleasant View City\Projects\Decant Facility\2-Drawings\6 Sanitary Sewer Lateral Plan and Profile.dwg, 6/4/2026 4:07:41 PM, 1:2



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DECANT FACILITY IMPROVEMENTS

**SANITARY SEWER LATERAL
PLAN AND PROFILE**

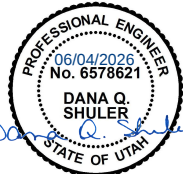
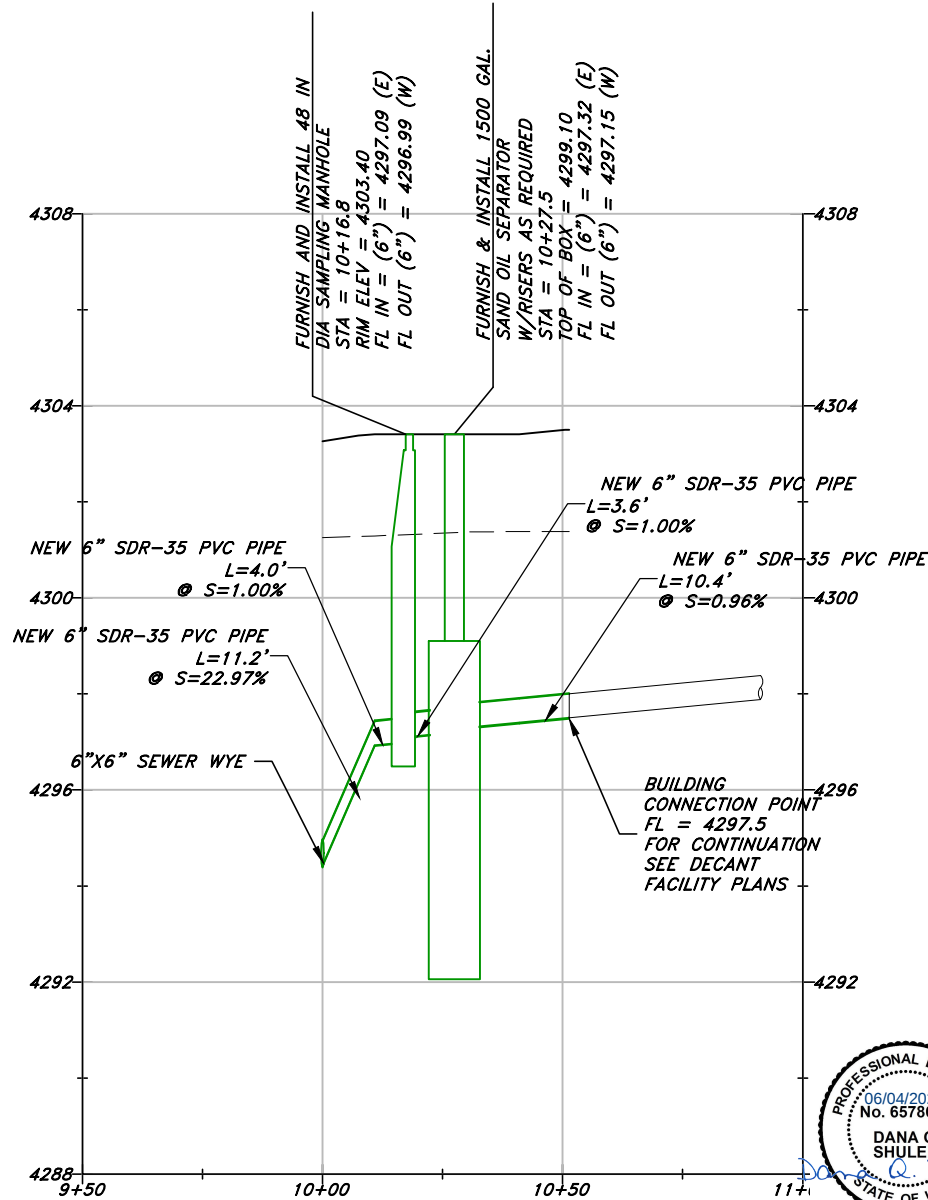
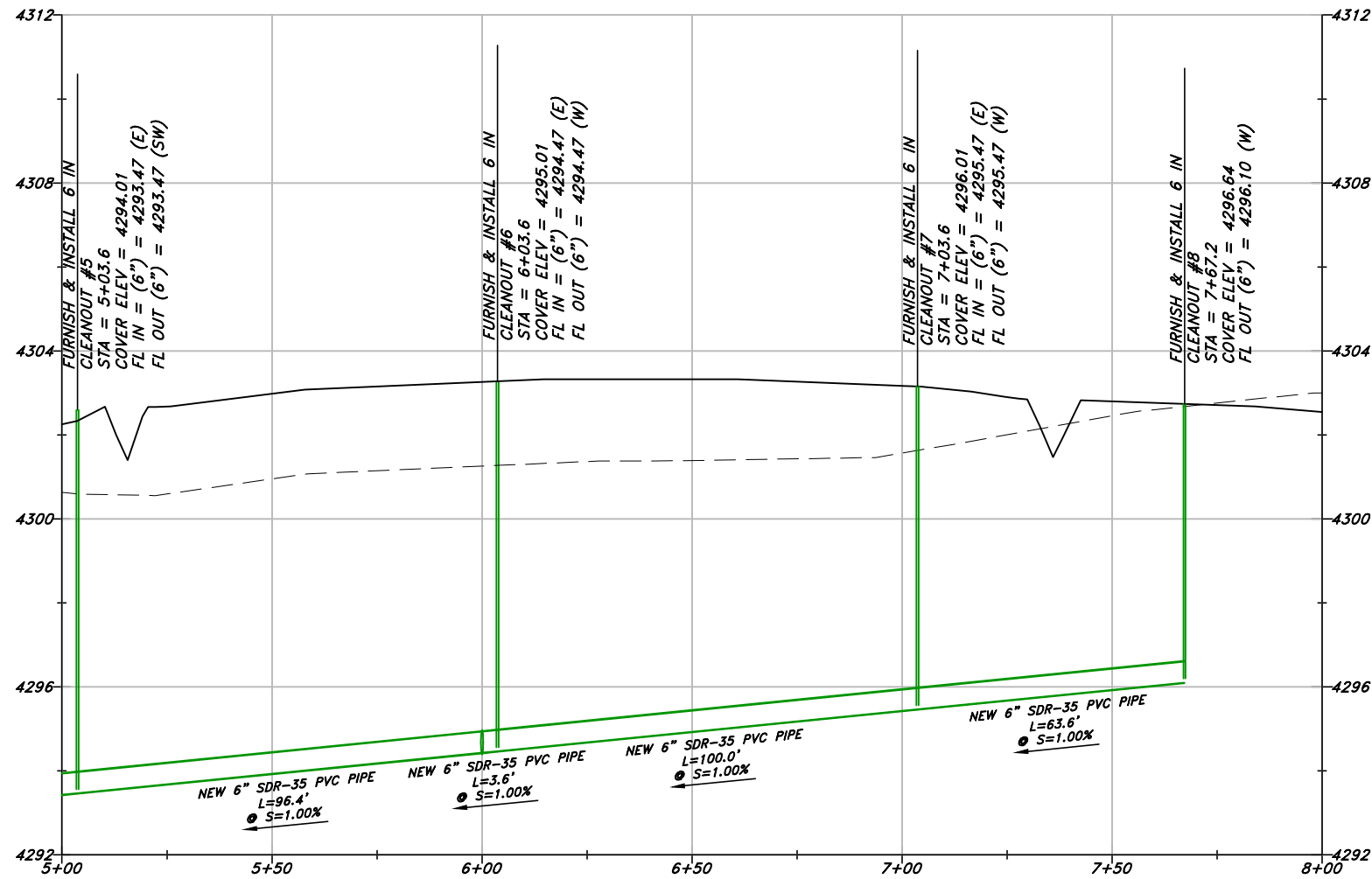
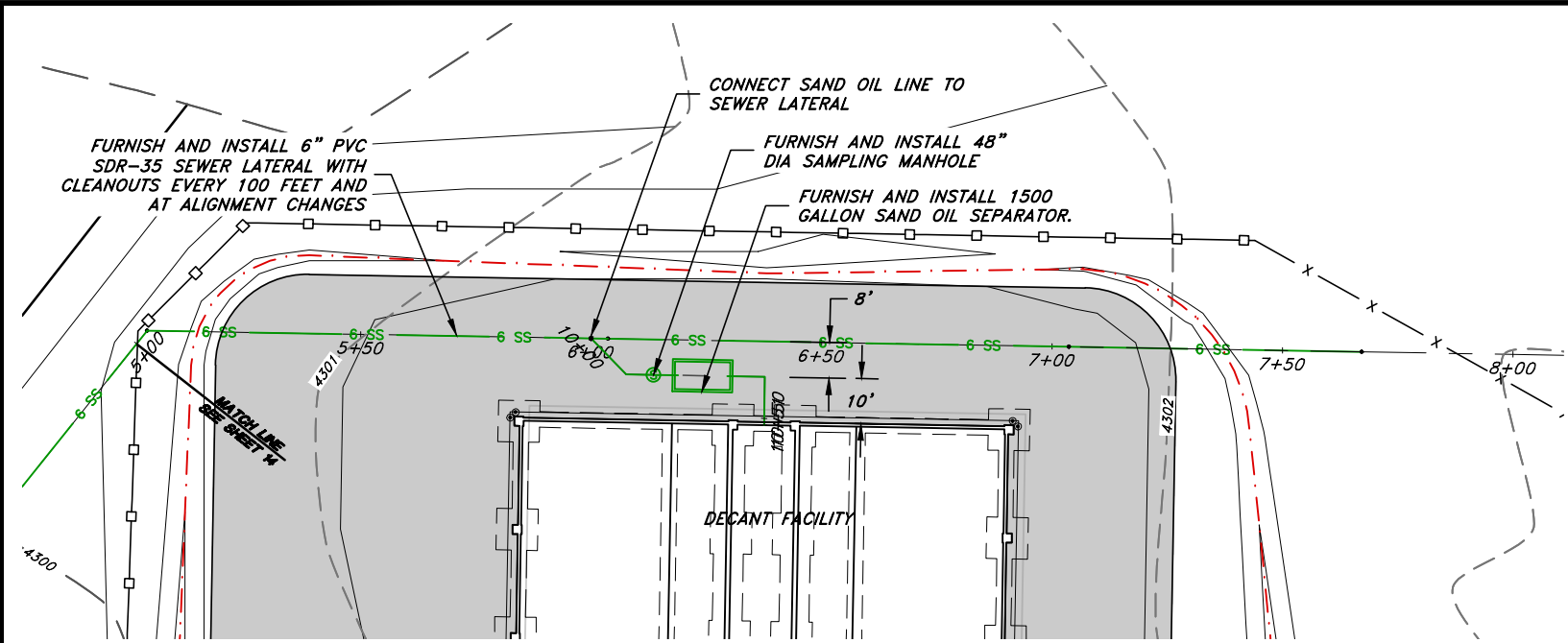
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11"x17"
H:1"=40'
V:1"=4'

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OF X SHEETS

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PLEASANT VIEW CITY CORPORATION	
DECANT FACILITY IMPROVEMENTS	
SANITARY SEWER LATERAL	
PLAN AND PROFILE	
SCALE: 22'x34" H:1"=20' V:1"=2'	DESIGNED: SEH
11'x17" H:1"=40' H:1"=4'	DRAWN: DQS
NO. 6578621	CHECKED: DQS
DATE	APPR.
REV.	
SHEET: 15 OF X SHEETS	

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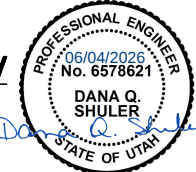
MODEL: 2
BURY DEPTH: 4.0
INLET: (F) 4" MJ INLET
TOP STOCK OPTION: (B) SINGLE NOZZLE BOLTED FLANGE
OUTLET OPTION: (H) 2-1/2" MNPS (STRAIGHT) BRASS NOZZLE
OPERATING ROD MATERIAL: (B) SOLID STEEL ROD
VANDAL-PROOF OPTIONS: (X) NONE
VANDAL-PROOF OPTIONS: (X) NONE
HANDWHEEL: (X) NONE
LOCKING WRENCH: (X) NONE

LID MUST
FASTEN

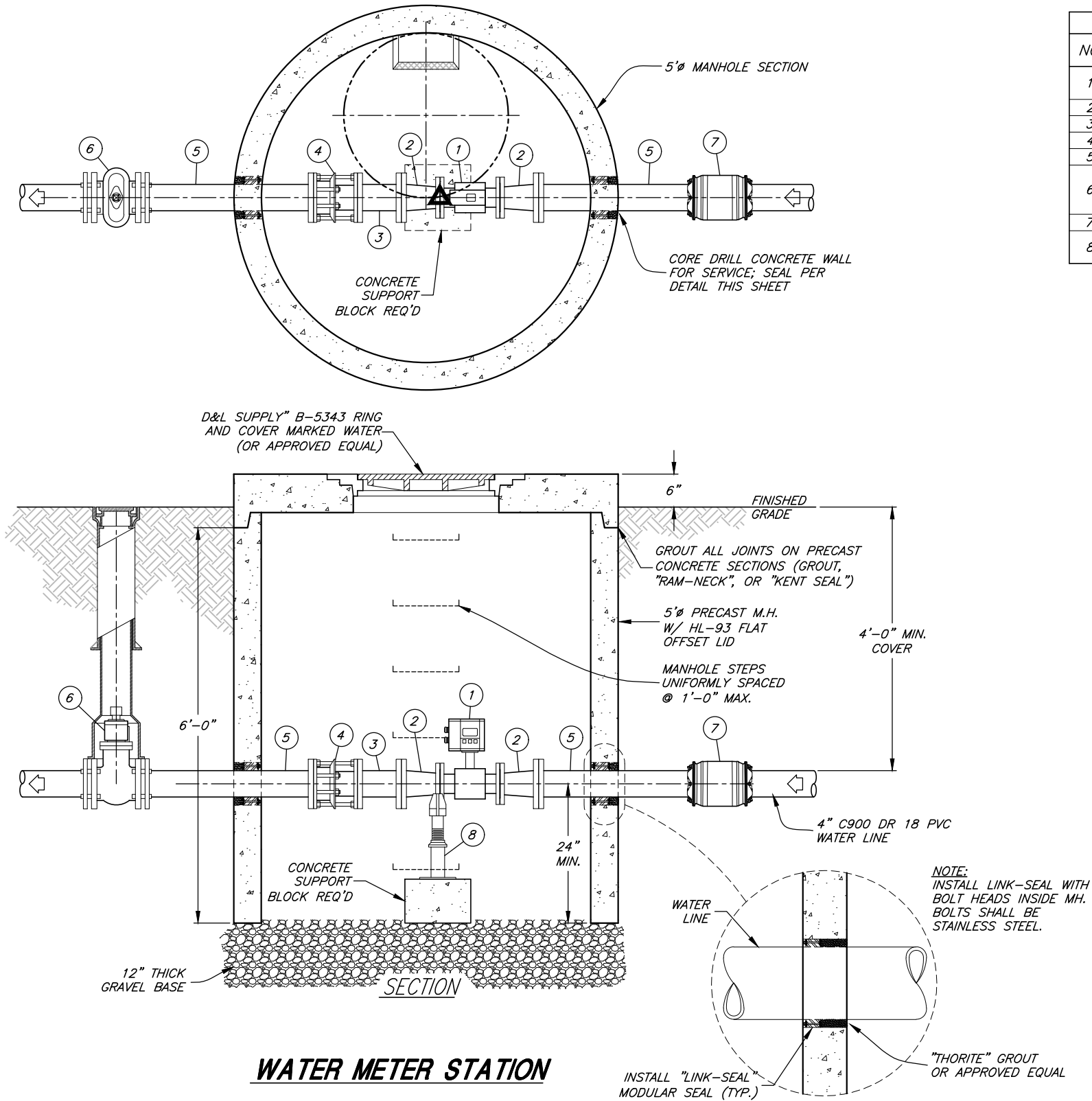


SAMPLING STATION NOTES:

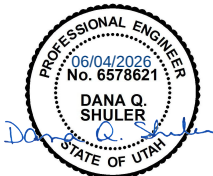
- A. SAMPLING STATIONS SHALL BE 4' BURY, WITH A 3/4" FIP INLET, AND A 3/4" UNTHREADED NOZZLE.
- B. ALL STATIONS SHALL BE ENCLOSED IN A LOCKABLE, NON-REMOVABLE, ALUMINUM-CAST HOUSING.
- C. WHEN OPENED, THE STATION SHALL REQUIRE NO KEY FOR OPERATION, AND THE WATER WILL FLOW IN AN ALL BRASS WATERWAY.
- D. ALL WORKING PARTS WILL ALSO BE OF BRASS AND BE REMOVABLE FROM ABOVE GROUND WITH NO DIGGING. EXTERIOR PIPING SHALL BE BRASS PIPE.
- E. A COPPER VENT TUBE WILL ENABLE EACH STATION TO BE PUMPED FREE OF STANDING WATER TO PREVENT FREEZING AND TO MINIMIZE BACTERIA GROWTH.
- F. ECLIPSE NO. 88-SS SAMPLING STATION SHALL BE MANUFACTURED BY KUPFERLE FOUNDRY, ST. LOUIS, MO 63102
- G. TYPICALLY, A SAMPLING STATION IS REQUIRED FOR EVERY 80 LOTS OR ONE PER DEVELOPMENT FOR DEVELOPMENTS SMALLER THAN 80 LOTS. LOCATION AS DIRECTED BY THE CITY.
- H. PROVIDE 2 STEEL BOLLARDS TO PROTECT SAMPLING STATION (SEE DETAIL ON SHEET GS-03). PLACE IN FRONT OF SAMPLING STATION PER THE SAMPLING STATION LOCATION DETAIL THIS SHEET.



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PIPE & FITTING SCHEDULE				
NO.	DESCRIPTION	JOINT TYPE	SIZE	QTY.
1	"BADGER" M-SERIES M1000 ELECTROMAGNETIC FLOW METER	FL	3"	1
2	D.I. REDUCER	FL	4"x3"	2
3	8" D.I. SPOOL PIECE	FL	4"	1
4	"ROMAC" DJ400 DISMANTLING JOINT	FL	4"	1
5	2'-9" D.I. NIPPLE PIECE	FLxPE	4"	1
6	"MUELLER" A-2361 GATE VALVE W/ CAST IRON SLIP TYPE VALVE BOX & LOCKING LID, W/ THRUST RESTRAINTS (MEGALUGS)	MJxMJ	4"	1
7	"ROMAC" ALPHA RESTRAINED JOINT COUPLING	--	4"	1
8	"ANVIL" #264 GALV. PIPE SUPPORT W/ COMPANION FLANGE & VARIABLE HEIGHT NIPPLE (1 EA REQD.)	Δ SYMBOL		



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DECANT FACILITY IMPROVEMENTS

WATER METER STATION
DETAILS

DESIGNED	DRAWN	CHECKED	APPR.
BEB	BEB	DQS	
SCALE: 24"x36"	N.T.S.	11"x17"	N.T.S.

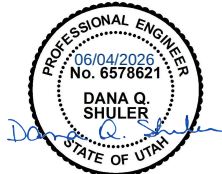
SHEET:
17
OF X SHEETS



A. ANCHOR SHED TO CONCRETE PAD PER MANUFACTURER'S SPECIFICATIONS.



1. CONTRACTOR TO REFERENCE INDIVIDUAL WATER STATION SUBMITTAL DRAWINGS FOR EXACT ANCHOR BOLT LOCATIONS.
2. CONTRACTOR TO FURNISH AND INSTALL PVC CONDUITS FOR ELECTRICAL AND COMMUNICATION LINES UNDER CONCRETE PAD AS REQUIRED PRIOR TO POURING CONCRETE PAD.
3. CONTRACTOR TO PROVIDE OPENINGS IN CONCRETE PAD AS REQUIRED FOR INSTALLATION. REFERENCE INDIVIDUAL WATER STATION SUBMITTAL DRAWINGS FOR EXACT LOCATION AND SIZE OF REQUIRED OPENINGS.
4. WATER FILLING STATION SHALL BE BIRKSCO AQUALOADER TFS-3-M3 SINGLE OUTLET COMMERCIAL WATER FILLING STATION WITH PRE-PAID CONTROL SYSTEM AND KEYPAD ONLY ACCESS WITH PIN, OR APPROVED EQUAL.

[illegible]

GENERAL DRAWING SYMBOLS AND REFERENCES	
	REFERENCE NOTE
	DEMOLITION NOTE
	REVISION NOTE
	IDENTIFICATION NOTE
	PHOTO REFERENCE
	HPE DETAIL BUBBLE
	EQUIPMENT REFERENCE
	WIRE SIZE REFERENCE
	PHOTO REFERENCE
	SECTION/ELEVATION REFERENCE
	EQUIPMENT ID TAG

LIGHTING SYMBOLS	
F1	DESIGNATES FIXTURE NUMBER - REFER TO FIXTURE SCHEDULE
LED FIXTURES	
	SURFACE OR RECESSED 2X4 FIXTURE SHADED AREA INDICATES EMERGENCY BATTERY PACK
	CHAIN HUNG 1X4 FIXTURE SHADED AREA INDICATES EMERGENCY BATTERY PACK
	SURFACE OR RECESSED 2X2 FIXTURE SHADED AREA INDICATES EMERGENCY BATTERY PACK
EXIT FIXTURES	
	EXISTING EXIT SIGN WITH BUGEYES.
	EXIT SIGN
	TWO DIRECTIONAL EXIT SIGN

PLAN SYMBOLS	
EQUIPMENT	
	CIRCUIT DISTRIBUTION PANELBOARD SURFACE MOUNTED
	CIRCUIT DISTRIBUTION PANELBOARD RECESSED
	POWER DISTRIBUTION PANELBOARD SURFACE OR FLOOR MOUNTED DOORS DESIGNATE FRONT OF PANEL MDP DESIGNATES MAIN DISTRIBUTION PANEL
	CONTROL PANEL ENCLOSURE
	LIGHTING CONTROL PANEL
	DISCONNECT
HVAC EQUIPMENT	
	UNIT HEATER, WALL MOUNTED
	UNIT HEATER, CEILING MOUNTED
	CONDENSING UNIT, PAD MOUNTED, SIDE DISCHARGE
	CONDENSING UNIT, PAD MOUNTED, UP FLOW
	ROOFTOP MOUNTED EQUIPMENT

LIGHT SWITCHES	
\$	SINGLE POLE SWITCH
\$\$	GANGED SWITCHES IN COMMON BOX WITH COMMON COVER PLATE
\$ ^a	SWITCH SUPERScript MODIFIER, LOWER CASE LETTER INDICATES CIRCUIT CONTROLLER -- a,b,c ETC. MAY BE COMBINED WITH CIRCUIT NUMBER. EXAMPLE: 1a, 3b
\$ _s	SWITCH SUBScript MODIFIER, UPPER CASE LETTER OR NUMBER: 2 = DOUBLE POLE 3 = THREE WAY 4 = FOUR WAY K = KEY OPERATED M = HORSEPOWER RATED MANUAL STARTER MC = MOMENTARY CONTACT, THREE POSITION MS = MANUAL (STARTER) OR SWITCH D = DIMMER S = SURFACE F = FLUSH OS = COMBINATION OCCUPANCY SENSOR AND SWITCH CEILING = OCCUPANCY SENSOR

WIRING DEVICES	
	20 AMP RATED RECEPTACLE SINGLE STROKE = SINGLE DOUBLE STROKE = DUPLEX RECEPTACLE MODIFIERS: X-X = CIRCUIT NUMBER AF = ARC FAULT CIRCUIT INTERRUPTER S = SURFACE MOUNTED IG = ISOLATED GROUND WP = WEATHER PROOF
	EXISTING RECEPTACLE
	GANGED RECEPTACLES IN COMMON BOX WITH COMMON COVER PLATE
	GFCI GANGED RECEPTACLES IN COMMON BOX WITH COMMON COVER PLATE
	220V RECEPTACLE
	GFCI RECEPTACLE
	SPLIT-WIRED RECEPTACLE - ANY RECEPTACLE WITH OUTSIDE PORTION SHADED
	TABLE MOUNTED DUPLEX RECEPTACLE
	CEILING MOUNTED DUPLEX RECEPTACLE
	RECESSED FLOOR DUPLEX RECEPTACLE
	RECESSED FLOOR QUAD RECEPTACLE
	SURFACE FLOOR RECEPTACLE - ANY RECEPTACLE INSIDE TRIANGLE
	SEE DETAIL SHEET.
	CABLE TELEVISION COAX CABLE CONNECTION
	DATA JACK ONLY
	VOICE JACK ONLY
	PUBLIC TELEPHONE JACK
	ETHERNET 2 DATA - CONDUIT ONLY
	RECESSED FLOOR DATA/VOICE JACK
	JUNCTION BOX
	THERMOSTAT LOCATION
	SPEAKER
	SECURITY CAMERA LOCATION
	PUSH BUTTON
	PLUGMOLD
	CARD READER

FIRE ALARM SYMBOLS	
	DUCT DETECTOR
	FAN RELAY
	FLOW SWITCH
	FIXED TEMPERATURE HEAT DETECTOR
	HEAT DETECTOR
	MAGNETIC DOOR HOLD
	MANUAL PULL STATION
	STROBE ONLY
	TAMPER SWITCH
	FIRE ALARM CABINET (FACP)
	REMOTE ANNUNCIATOR FIRE ALARM PANEL
	WATER GONG

HORN/STROBES	
	CEILING MOUNTED HORN/STROBE
	WALL MOUNTED HORN/STROBE
SMOKE DETECTORS	
	SMOKE DETECTOR
	SMOKE DETECTOR W/ELEVATOR RECALL

ONE-LINE SYMBOLS	
	POWER SOURCE
	EXISTING METER
	EXISTING CIRCUIT BREAKER
	NEW PANELBOARD
	WIRE ID SEE CONDUIT/CONDUCTOR SCHEDULE

EQUIPMENT GROUNDING CONDUCTORS

FUSE OR CB SIZE	SIZE (COPPER)
15	14
20	12
30	10
40	10
60	10
100	8
200	6
300	4
400	3
500	2
600	1
800	1/0
1000	2/0
1200	3/0
1600	4/0
2000	250
2500	350

GROUNDING ELECTRODE CONDUCTOR SERVICE ENTRANCE OR SEPARATELY DERIVED SYSTEM

COPPER CONDUCTOR	WIRE SIZE
#2 OR SMALLER	#8
1 OR 1/0	#6
2/0 OR 3/0	#4
>3/0 THRU 350 KCMIL	#2
>350 KCMIL THRU 600 KCMIL	1/0
>600 KCMIL THRU 1100 KCMIL	2/0
>1100 KCMIL	3/0

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SPRINGVILLE, UT 84663
HPE PROJECT:26.030 ©2026
FOR INFORMATION ABOUT THIS JOB, PLEASE CONTACT: BEN SORENSON

GENERAL NOTES:

1. VERIFY ALL EQUIPMENT DIMENSIONS AND LOCATIONS BEFORE BEGINNING ROUGH-IN. CONSULT ALL APPLICABLE CONTRACT DRAWINGS AND SHOP DRAWINGS TO ENSURE NEC CODE CLEARANCE REQUIRED AROUND ALL ELECTRICAL EQUIPMENT.
2. CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENTS, ETC.) OF EQUIPMENT FURNISHED BEFORE BEGINNING ROUGH-IN.
3. SEE APPLICABLE SHOP DRAWINGS FOR ROUGH-IN LOCATION OF ALL EQUIPMENT, WIRING DEVICES, ETC.
4. THE ELECTRICAL CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE MECHANICAL CONTRACTOR SUCH THAT NO PIPING, OR EQUIPMENT FOREIGN TO THE OPERATION OF THE ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THROUGH ELECTRICAL ROOMS OR SPACES; OR ABOVE OR BELOW ELECTRICAL EQUIPMENT IN THE OTHER AREAS.
5. ALL PENETRATIONS OF FLOORS, WALLS AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIAL.
6. FOR PACKAGE EQUIPMENT PROVIDED ON THE PROJECT, SOME CONDUITS AND WIRES ARE SHOWN ON THE DRAWINGS, BUT IT IS EXPECTED THAT SOME ADDITIONAL CONDUITS AND WIRES MAY BE REQUIRED BY EQUIPMENT MANUFACTURERS TO COMPLETE INSTALLATION. IT IS INCUMBENT UPON THE GENERAL CONTRACTOR TO COORDINATE THIS REQUIREMENT WITH HIS SUBCONTRACTORS TO MAKE SURE THAT EQUIPMENT SUPPLIER PROVIDED ALL NECESSARY ELECTRICAL INFORMATION TO ELECTRICAL SUBCONTRACTOR FOR INCLUSION WHETHER SHOWN OR NOT SHOWN ON THE DRAWINGS.
7. IF OTHER THAN FIRST NAMED EQUIPMENT IS USED, IT SHALL BE CAREFULLY CHECKED FOR ELECTRICAL REQUIREMENTS AND CONTROL REQUIREMENTS OF ALTERNATE EQUIPMENT. SHOULD CHANGES OR ADDITIONS OCCUR IN ELECTRICAL WORK, OR THE WORK OF OTHER CONTRACTORS BE REVISED BY THE ALTERNATE EQUIPMENT, THE COST OF ALL CHANGES SHALL BE BORNE BY THE ELECTRICAL CONTRACTOR.

Sheet List Table	
Sheet Number	Sheet Title
E1.1	LEGEND & GENERAL NOTES
E2.1	ONE-LINE DIAGRAM & SCHEDULES
E3.1	PARTIAL SITE PLAN
E3.2	DECANT BUILDING
E3.3	SHED AND SERVICE EQUIPMENT
E4.1	SITE PHOTOMETRICS
E5.1	COMCHECK SHT 1
E5.2	COMCHECK SHT 2
E6.1	SERVICE ENTRANCE DETAILS
E6.2	MILBANK PEDESTAL DETAIL SHT 1
E6.3	MILBANK PEDESTAL DETAIL SHT 2
E6.4	ELECTRICAL DETAILS



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JA JONES & ASSOCIATES

LEGEND & GENERAL NOTES

SCALE: 24"x36" H:1"=1'

DESIGNED: BES

DRAWN: GDS

CHECKED: KBH

DATE: DATE

APPR: APPR

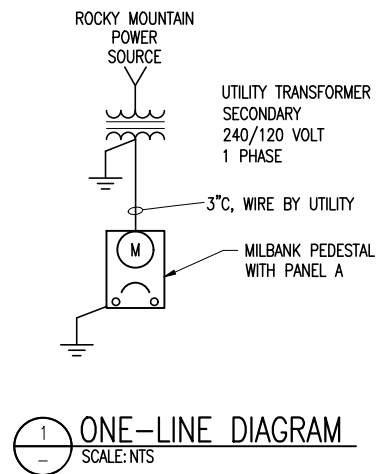
SHEET: E1.1

OF - SHEETS

TYPE	DESCRIPTION	MANUFACTURER		FIXTURE VA	LAMP	LUMENS	TEMP	MOUNTING	NOTES:
		NAME	CATALOG NO.						
F1	OUTSIDE EGRESS & SECURITY LIGHT	LUMARK	AXCS4A	38	LED	5,500	3000 K	WALL	SAME HEIGHT AS EG 6" ABOVE DOOR
F2	1X2 SURFACE WRAP	METALLUX	2AWS-LCS-UHV	21.1	LED	2,791	3000 K	SURFACE	
F3	HIGH BAY IN DECAN T BUILDING	METALLUX	UHBS2-1218-MV-L8C5-U	96.5	LED	15,498	3000 K	BOTTOM OF BEAM	MOUNT UNISTRUT SAME HEIGHT AS BOTTOM OF BEAM
F4	SITE LIGHTS SIDE OF DECAN T BUILDING	McGraw-Edison	GWC-SA2-C-740-U-T4FW (WIDE)	113	LED	14,658	3000 K	WALL	
EX	EXIT LIGHT	SURE-LITES	LPX-7-SD	1.09	LED			WALL	

1. NOT USED.

1. NOT USED.



NEW PANEL SCHEDULE "A"																			
LOCATION: BY SHED				TYPE: MILLBANK				200				AMPS				VOLTS: 240/120			
DIMENSIONS: 20" W x 5 3/4" D x 50" H				NEMA: 3R				200				M.C.B (METER MAIN)				PHASE: 1			
MOUNTING: PEDISTALL								22,000				A.I.C.				WIRES: 3			
FEED: BOTTOM																			
BRKR		PHASE LOADS												BRKR					
A	P	DESCRIPTION	WIRE ID	CONT. WATTS	NON-CONT. WATTS	NO	A CONT.	N-CONT.	B CONT.	N-CONT.	NO	WATTS	CONT. WATTS	WIRE ID	DESCRIPTION	A	P		
20	1	REC SHED	212		360	1	0	1,188			2	828		312	GATE CONTROLLER	20	2		
20	1	REC SHED	212		360	3			0	1,188	4	828		-	VERIFY SIZE (240 VOLT 3/4 HP)	-	-		
20	1	REC SHED	212		360	5	0	1,080			6	720		20	FILLING STATION CONTROLS	20	1		
20	1	REC SHED	212		360	7			0	360	8				SPARE	20	1		
20	1	LTS SHED	212	21		9	21	0			10				SPARE	20	1		
20	1	SPARE				11			0	0	12				SPARE	20	1		
20	1	DECANT BUILDING INDOOR LIGHTS	26	1,448		13	1,448	0			14				SPARE	20	1		
20	1	DECANT BUILDING OUTDOOR LIGHTS	26	678		15			678	0	16				SPARE	20	1		
20	1	EGRESS LIGHT & SECURITY LIGHTS SHED	212	76		17	76	0			18				SPARE	20	1		
20	1	SPARE				19			0	0	20				SPARE	20	1		
20	1	SPARE				21	0	0			22				SPARE	20	1		
20	1	SPARE				23			0	0	24				SPARE	20	1		
20	1	SPARE				25	0	0			26								
20	1	SPARE				27			0	0	28					SPACE			
20	1	SPARE				29	0	0			30					SPACE			
TOTAL WATTS:				2,223	1,440	1,545		2,268	678	1,548	2,376		0						
CONTINUOUS LOAD:				2,223															
CONTINUOUS LOAD * 125%:				2,778		PHASE "A" (AMPS):				32									
NON-CONTINUOUS LOAD:				3,816		PHASE "B" (AMPS):				19									
DESIGN WATTS:				6,594															
MIN. RATING (AMPS):				27															

— BOTTOM SECTION
SWITCHED BY
PHOTOCELL SEE
DETAILS ON SHEET
E6.2 & E6.3

AMP RATING	DRAWING ID TAG.	CONDUCTOR		MIN. CONDUIT SIZE	
		QTY.	SIZE	SIZE	EXCEPTIONS
20** 20+	212	2	#12	3/4"	
	312	3		3/4"	
	412	4		3/4"	
30** 30+	20	2	#10	3/4"	
	30	3		3/4"	
	40	4		3/4"	
40** 50+	28	2	#8	3/4"	
	38	3		3/4"	
	48	4		3/4"	
55** 65+	26	2	#6	3/4"	
	36	3		3/4"	
	46	4		3/4"	1"(C9)
70** 85+	24	2	#4	3/4"	1"(C2,C9)
	34	3		1"	3/4"(C4),1-1/4"(C9)
	44	4		1"	1-1/4"(C9)
95** 115+	22	2	#2	1"	1-1/4"(C9)
	32	3		1"	
	42	4		1-1/4"	
110** 130+	21	2	#1	1-1/4"	1"(C3,C4)
	31	3		1-1/4"	1"(C3)
	41	4		1-1/2"	1-1/2"(C2,C9,C10)
150	210	2	1/0	1-1/4"	
	310	3		1-1/4"	1-1/2"(C3,C9)
	410	4		1-1/2"	2"(C9)
175	220	2	2/0	1-1/4"	1-1/2"(C3,C4,C9)
	320	3		1-1/2"	
	420	4		2"	
200	230	2	3/0	1-1/2"	1-1/4"(C4)
	330	3		1-1/2"	2"(C3,C9)
	430	4		2"	
230	240	2	4/0	1-1/2"	2"(C3)
	340	3		2"	
	440	4		2"	2-1/2"(C9)
255	225	2	250 KCMIL	2"	1-1/2"(C4)
	325	3		2"	2-1/2"(C1,C8)
	425	4		2-1/2"	2"(C4)
310	235	2	350 KCMIL	2"	2-1/2"(C9)
	335	3		2-1/2"	2"(C4)
	435	4		3"	2-1/2"(C1,C4)
380	250	2	500 KCMIL	2-1/2"	2"(C4)
	350	3		3"	2-1/2"(C1,C4)
	450	4		3"	3-1/2"(C9)
475	275	2	750 KCMIL	3"	
	375	3		3-1/2"	3"(C1,C7,C8)
	475	4		4"	3-1/2"(C1,C4,C8)

* CONDUCTOR QUANTITY DOES NOT INCLUDE GROUNDING CONDUCTOR. SEE EQUIPMENT GROUNDING CONDUCTORS FOR WIRE SIZE.

WHERE: C1 = ELECTRICAL METALLIC TUBING
C2 = ELECTRICAL NON-METALLIC TUBING
C3 = FLEXIBLE STEEL CONDUIT
C4 = INTERMEDIATE METALLIC CONDUIT
C7 = LIQUIDTIGHT FLEXIBLE METAL CONDUIT
C8 = RIGID METALLIC CONDUIT
C9 = PVC SCHEDULE 80 CONDUIT
C10 = PVC SCHEDULE 40 CONDUIT
"==" = RATED AMPACITY AT 60°C
"+" = RATED AMPACITY AT 75°C
USE 60°C CONDUCTOR RATING WHEN TERMINATION RATINGS
ARE NOT PUBLISHED.



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HPE PROJECT: 26.030
FOR INFORMATION ABOUT THIS JOB, PLEASE CONTACT: BEN SORENSON

GENERAL NOTES:

1. NOT USED.

SHEET KEYNOTES:

1. VERIFY LOCATION PRIOR TO ROUGH-IN.
2. PROVIDE 240V, 2 POLE NON FUSED DISCONNECT. LABEL AS BUILDING DISCONNECT.

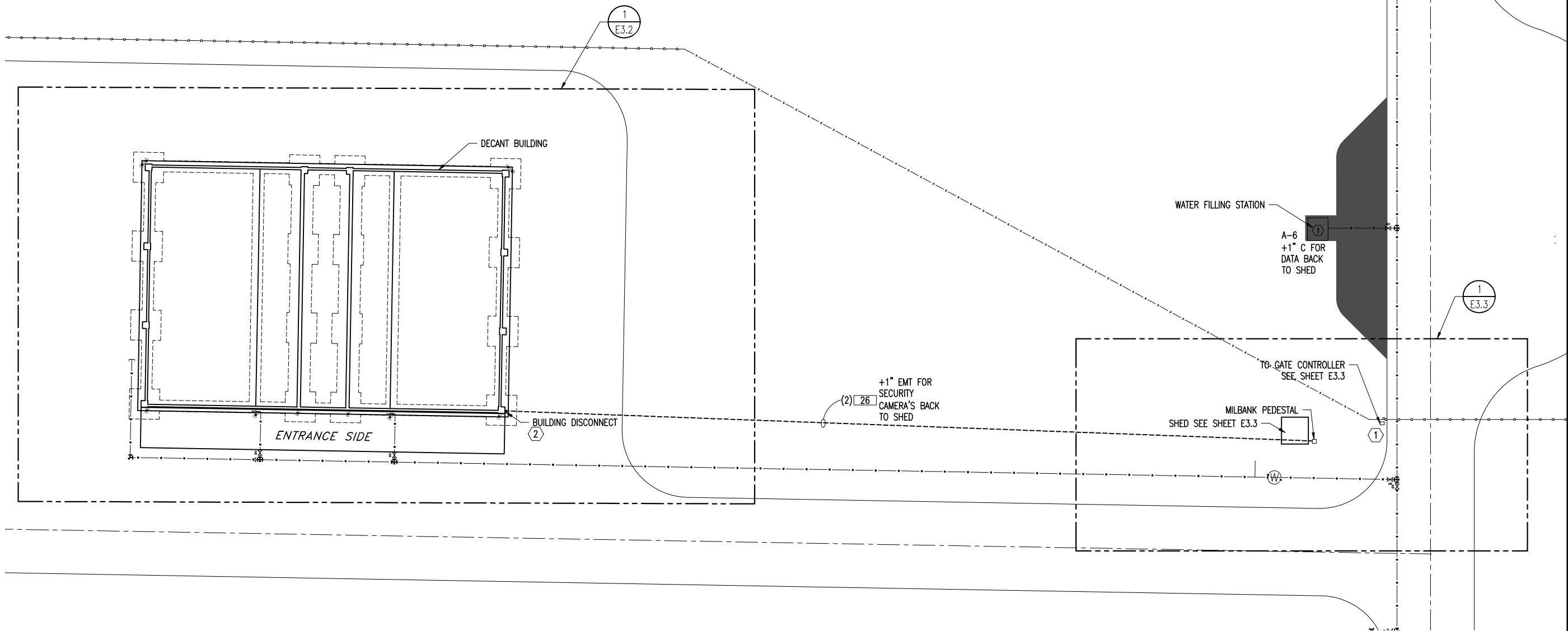
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PLEASANT VIEW DECANT FACILITY

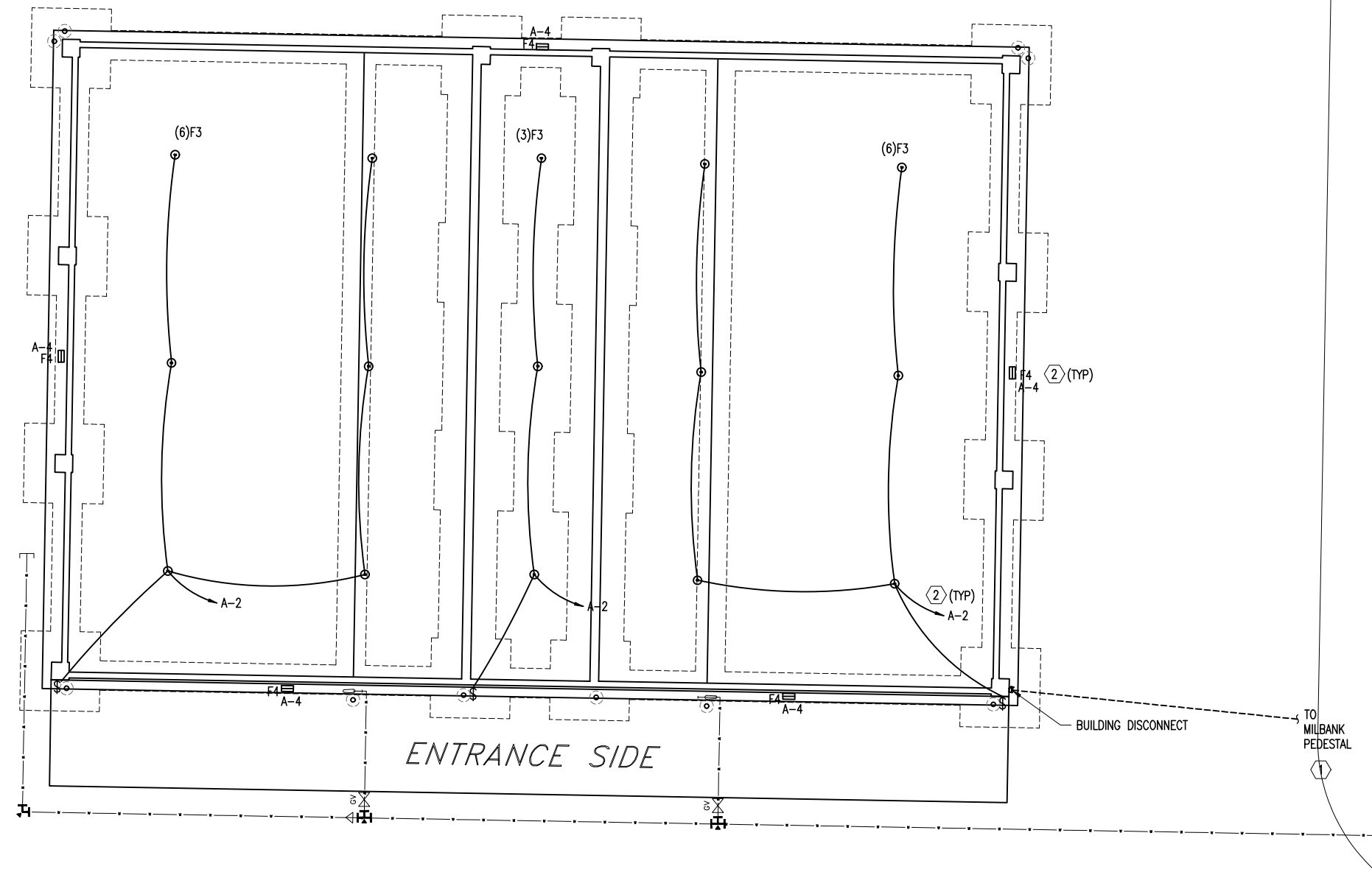
SITE PLAN



1 SITE PLAN
SCALE: 0 8' 16' 32'
1/16" = 1'-0"



SCALE:	BES	GDS	KBH
24"x36"	DESIGNED	DRAWN	CHECKED
11"x17"	H:1"=1'	H:1"=1'	H:1"=2'
SHEET:	E3.1		
OF - SHEETS			



1 DECANT BUILDING POWER & LIGHTING PLAN
SCALE: 0 4' 8' 16' 24'
1/8" = 1'-0"

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FOR INFORMATION ABOUT THIS JOB, PLEASE CONTACT: BEN SORENSON

GENERAL NOTES:

- SEE SHEET E4.1 FOR PHOTOMETRICS.

SHEET KEYNOTES:

- SEE SHEET E3.1 FOR LOCATION OF MILBANK PEDESTAL.
- WIRE TYPE 20 CAN BE USED FOR WIRING THE LIGHT FIXTURES FROM THE EXTERNAL DISCONNECT TO THE FIXTURE.

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PLEASANT VIEW DECANT FACILITY

DECANT BUILDING

SCALE:	DESIGNED	DRAWN	CHECKED	REV.	DATE	APPR.
24"x36" 1/4" = 1'	BES	GDS	KBH			
11"x17" 1/8" = 2'						
SHEET: E3.2 OF - SHEETS						



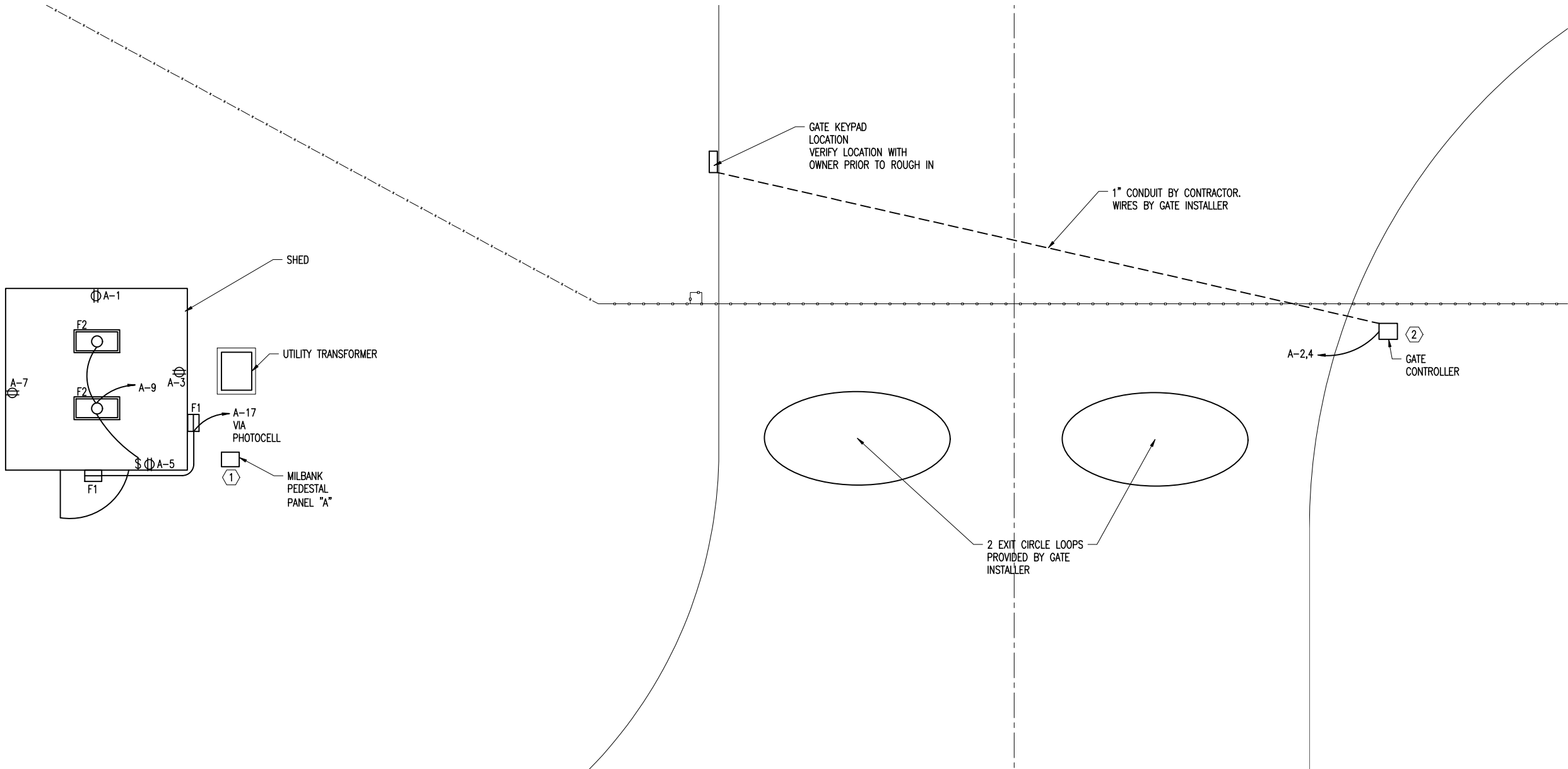
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GENERAL NOTES:

- CONTRACTOR TO COORDINATE TRANSFORMER LOCATION WITH UTILITY PRIOR TO ROUGH IN.
- VERIFY LOCATION OF KEYPAD ENTRY. PROVIDE 3# 10 IN A 3/4" C.

SHEET KEYNOTES:

- FOR LOCATION OF PANEL A IS IN THE MILBANK PEDESTAL LOCATED JUST OUTSIDE OF THE SHED.
- VERIFY EXACT LOCATION OF GATE CONTROLLER WITH OWNER AND GATE MANUFACTURER.



1 SHED- SERVICE EQUIPMENT & GATE ACTUATOR
SCALE: 0 2' 4' 8'
3/8" = 1'-0"



REV.	DATE	APPR.

DESIGNED BES	DRAWN GDS	CHECKED KBH
SCALE: 24"x36" 1/4" = 1'	11"x17" 1/8" = 2'	SHEET: E3.3 OF - SHEETS

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PLEASANT VIEW DECANT FACILITY

SITE PHOTOMETRICS

[illegible]

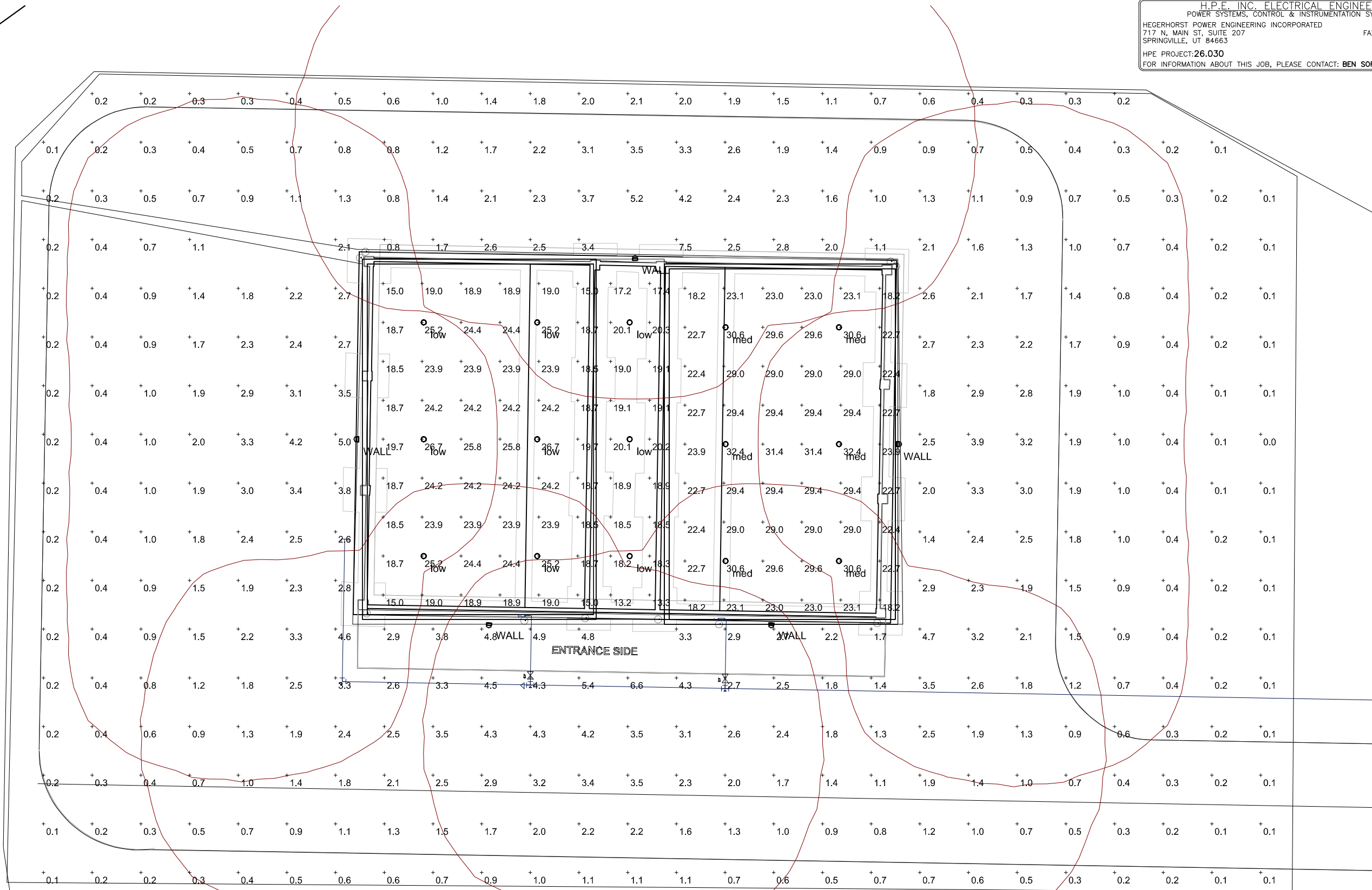
BES	GDS	DRAWN	KBH
DESIGNED			

SCALE:	11" X 17"
24" X 36"	44" X 20"
H:1"=1'	

SHEET:

E4.1

F - SHEETS



1 SITE PHOTOMETRICS
— SCALE: NTS





COMcheck Software Version COMcheckWeb Interior Lighting Compliance Certificate

Project Information

Energy Code: 2021 IECC
Project Title: DECANT BUILDING
Project Type: New Construction

Construction Site: Pleasant View Decant Facility
Pleasant View, Utah
Owner/Agent: Utah
Designer/Contractor: Hegerhorst Power Engineering
717 North Main Street Suite 207
Springville, Utah 84663-5040
8016422051

Additional Efficiency Package(s)

Credits: 10.0 Required 0.0 Proposed

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts
1-Warehouse	8024	0.45	3611
Total Allowed Watts = 3611			

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture (C X D) Watt.	E
1-Warehouse				
LED: F2: SURFACE WRAP: LED Panel 19W:	1	2	21	42
LED: F3: HIGH BAY LED: LED Panel 80W:	1	15	96	1448
Total Proposed Watts = 1490				

Interior Lighting PASSES: Design 59% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2021 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Ben Eliot Sorenson Engineer Ben Eliot Sorenson 5/22/2026
Name - Title Signature Date

Project Title: DECANT BUILDING Report date: 05/22/26
Data filename: Page 1 of 6

COMcheck Software Version COMcheckWeb Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2021 IECC
Project Title: DECANT BUILDING
Project Type: New Construction
Exterior Lighting Zone: 2 (Light industrial area with limited nighttime use (LZ2))

Construction Site: Pleasant View Decant Facility
Pleasant View, Utah
Owner/Agent: Utah
Designer/Contractor: Hegerhorst Power Engineering
717 North Main Street Suite 207
Springville, Utah 84663-5040
8016422051

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts /	D Tradable Wattage	E Allowed Watts (B X C)
Parking area	28050 ft ²	0.04	Yes	1122
Total Tradable Watts (a) = 1122				
Total Allowed Watts = 1122				
Total Allowed Supplemental Watts (b) = 400				

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture (C X D) Watt.	E
Parking area (28050 ft ²): Tradable Wattage				
LED: F4: SITE LIGHTS: LED Roadway-Parking Unit 110W:	1	6	113	678
Total Tradable Proposed Watts = 678				

Exterior Lighting PASSES: Design 55% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2021 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Ben Eliot Sorenson Engineer Ben Eliot Sorenson 05/22/2026
Name - Title Signature Date

Project Title: DECANT BUILDING Report date: 05/22/26
Data filename: Page 2 of 6

COMcheck Software Version COMcheckWeb Inspection Checklist

Energy Code: 2021 IECC

Requirements: 0.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req. ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C103.2 [PR8] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C406 [PR9] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: DECANT BUILDING Report date: 05/22/26
Data filename: Page 3 of 6



SCALE: 24" x 36" H: 1" = 1' 11" x 17" H: 1" = 2'

BES	GDS	KBH
DESIGNED	DRAWN	CHECKED

SHEET:
E5.1
OF - SHEETS

JA
**JONES &
ASSOCIATES**

**CONSULTING
ENGINEERS**

6080 Fashion Point Drive
South Ogden, Utah 84403
(801) 476-9767 www.jonescivil.com

PLEASANT VIEW DECANT FACILITY

COMCHECK SHT 2

[illegible]

BES	GDS	KBH
DESIGNED	DRAWN	CHECKED

SCALE: $24'' \times 36''$
 $H:1'' = 1'$

$11'' \times 17''$
 $H:1'' = 2'$

SHEET:
E5.2
 OF - SHEETS

Section # & Req. ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.4, C405.2.4.1, C405.2.4.2 [EL23] ²	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces. C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C405.2.5 [EL27] ¹	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C405.2.7 [EL28] ¹	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C405.7 [EL26] ²	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C405.8 [EL27] ¹	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C405.9.1, C405.9.2 [EL28] ¹	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C405.10 [EL29] ²	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C405.1.1 [EL30] ²	At least 90% of dwelling unit permanently installed lighting shall have lamp efficacy >= 65 lm/W or luminaires with efficacy >= 65 lm/W or comply with C405.2.4 or C405.3.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C405.11, C405.11.1 [EL31] ²	50% of 15/20 amp receptacles installed in enclosed offices, conference rooms, copy rooms, break rooms, classrooms and workstations and > 75% of branch circuit feeders for modular furniture will have automatic receptacle control in accordance with ASME A17.1/CSA B44.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C403.3, C408.2.5, [F117] ¹	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C405.5.1 [F119] ¹	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Exterior Lighting fixture schedule for values.
C408.1.1 [F157] ¹	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C408.2.5 [F116] ¹	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C408.3 [F133] ¹	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

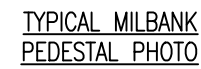
Additional Comments/Assumptions:

Project Title: DECONT BUILDING Report date: 05/22/26
 Data filename: Page 5 of 6

1 High Impact (Tier 1)
2 Medium Impact (Tier 2)
3 Low Impact (Tier 3)

Project Title: DECANAT BUILDING Report date: 05/22/26
 Data filename: Page 6 of 6

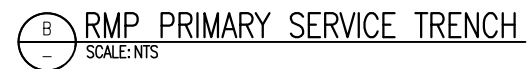
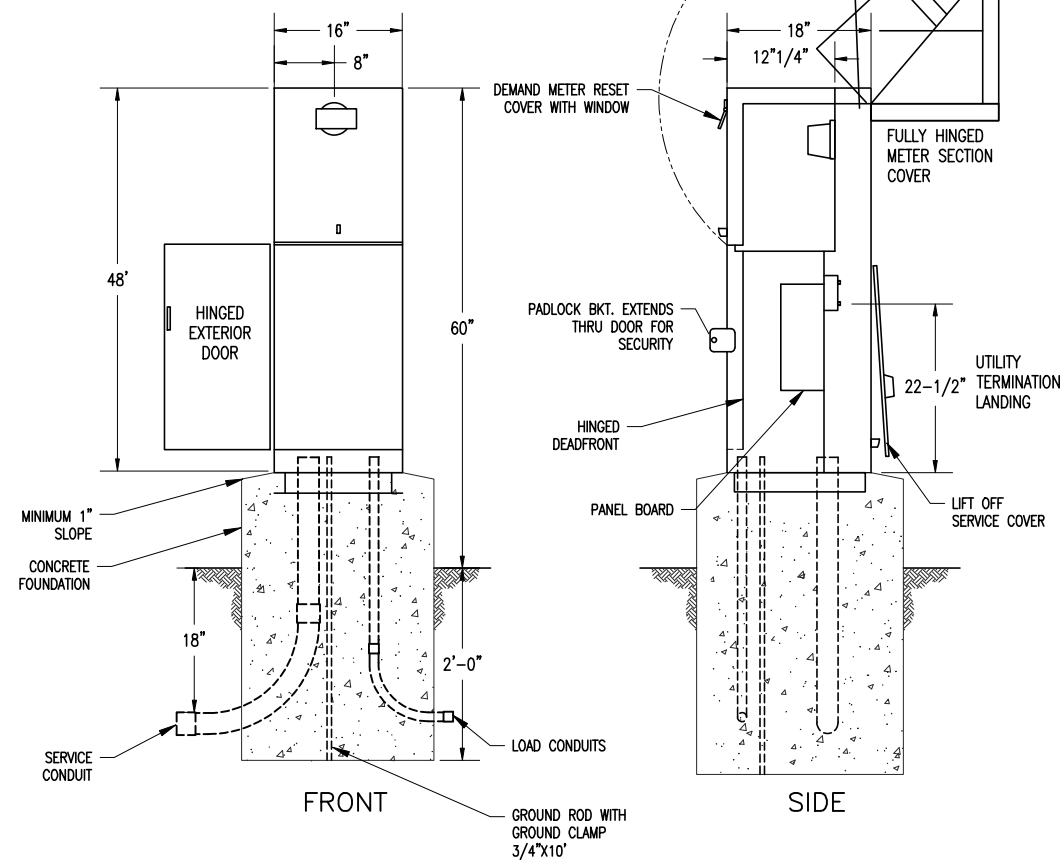




(4) 5/8-11 X 8 (450mm
16UNC) ANCHOR BOLTS
RECOMMENDED



- ☐ PEDESTAL MOUNTING HOLES
- ☐ ANCHOR BOLT MOUNTING HOLES



1. NOT USED.

SERVICE ENTRANCE DETAILS

[illegible]

SCALE:	$24'' \times 36''$	BES
	$H:1''=1'$	DESIGNED
		GDS
		DRAWN
	$11'' \times 17''$	KBH
	$H:1''=2'$	CHECKED

SHEET:

E6.1

OF - SHEETS



Enclosed Controls

Switched Load Center Commercial Pedestals

Switched Load Center Commercial Pedestals

1Ø3-wire 120/240V or 208Y/120V

Designed not only to provide power for various loads, but also to switch specific loads on and off under certain conditions. A photoelectric cell is used for these controlled loads, and an optional time clock is also available.

Features

These units include everything required for remote site service:

- Expandable: load centers allow for future expansion without costly modifications.
- All units feature a 200 Amps meter socket with optional field-installable fifth Terminals kit available.
- 22K Amps interrupting capacity (AIC) standard.
- Optional mounting base can be embedded in concrete for fast, easy installation.
- Separate sealable and lockable utility termination section.
- Separate sealable and lockable metering section.
- Separate sealable and lockable customer section with a control circuit including PE receptacle, Lexan® window, glare shield, Hand-Off-Auto (HOA) switch, contractor controlling a 16-circuit load center for controlled loads, a pre-mounted DIN rail and pre-wired connector to add an optional “plug-and-play” time clock kit for PE on and TC off operation and a circuit directory to document configuration.
- A load center for “always on” loads that includes a main circuit breaker, a control power circuit breaker, a switched load center main breaker, nine (125 or 200 Amps model) or 11 (100 Amps model) blank breaker spaces and a circuit directory to document configuration.



Ringless Lever Bypass shown

✓ CONTRACTOR TO PROVIDE A 200
AMP SPLIT PANEL WITH
PHOTOCELL LIGHTING CONTROL

Applications



Traffic Signals



Parking Lots



Highways



Athletic Field Lighting

H.P.E. INC. ELECTRICAL ENGINEERS
POWER SYSTEMS, CONTROL & INSTRUMENTATION SYSTEMS
HEGERHORST POWER ENGINEERING INCORPORATED (801) 642-2051
717 N. MAIN ST., SUITE 207 FAX (801) 642-2154
SPRINGVILLE, UT 84663
HPE PROJECT: **26.030** ©2026
FOR INFORMATION ABOUT THIS JOB, PLEASE CONTACT: **BEN SORENSON**

GENERAL NOTES:

1. NOT USED.

SHEET KEYNOTES:

1. NOT USED.

CONSULTING
ENGINEERS

South Ogden, Utah 84403
(801) 476-9767 www.jonescivil.com

PLEASANT VIEW DECANT FACILITY

MILBANK PEDESTAL DETAIL SHT 11

[illegible]

SCALE:
24" x 36"
Hi: 1" = 1'

BES
DESIGNED

GDS
DRAWN

KBH
CHECKED

11" x 17"
Hi: 1" = 2'

SHEET:

SHEET:
E6.2

E - SHEETS



MILBANK Commercial Pedestals

CP3B "SL" Series

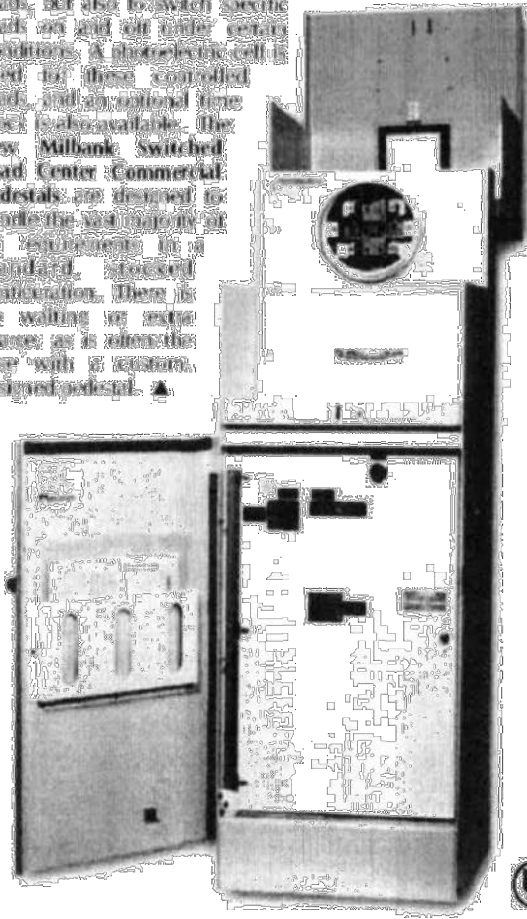
Switched Load Center Series

1Ø 3 wire 120/240 or 208Y/120 volt

Typical applications: Traffic signal, parking lot, highway, & athletic field lighting

Milbank commercial pedestals provide a low cost, effective alternative to the post-and-street method of providing the power. No longer will a separate meter section, main disconnect, load center and all the associated conduit wires and race to connect them be required. These units have a single cabinet with all the required utility terminations, meter sockets with test lug provisions, main breakers and customer sections. They are factory wired and UL listed as Industrial Control Equipment (Type ICBAS).

Most commercial pedestals are "custom designed" to provide power for various loads. "SL" Series Commercial Pedestals are designed to accept loads from a variety of loads, but also to accept specific loads on and off under certain conditions. A photoelectric cell is used on these controlled loads, and an optional time clock is also available. The new Milbank Switched Load Center Commercial Pedestals are designed to handle the vast majority of all requirements in a standard, stocked configuration. There is no waiting or extra charges as in "custom designed" pedestals.



Features:

These units include everything required for remote site service:

- NEMA-3R construction
- Expandable - Load centers allow for future expansion without costly modification
- All units feature 200 amp meter socket with optional field installation with terminal kit available
- 22 kAmpere interrupting capacity (RAC) standard
- Optional mounting base can be embedded in concrete for easy installation
- Separate available and lockable utility termination section
- Separate available and lockable metering section with the addition of:
 - EITHER**
 - Milbank ring-type socket with test / bypass blocks (conforms to UL 308)
 - OR**
 - Milbank heavy duty ampless socket with lever bypass
 - A separate available and lockable customer section with:
 - Control area including:
 - 1Ø 240V/120V window and glass shield
 - Hand Off Auto / 1Ø 240V/120V
 - 1Ø 240V/120V controlling 1Ø 240V/120V load center for controlled loads
 - 1Ø 240V/120V and 1Ø 240V/120V connector to add 1Ø 240V/120V and 1Ø 240V/120V time clock kit
 - A circuit directory to document configuration
 - A load center for "switching" loads that includes:
 - 1Ø 240V/120V breaker
 - 1Ø 240V/120V breaker
 - Switched load center main breaker
 - 1Ø 240V/120V breaker / 1Ø 240V/120V breaker
 - A circuit directory to document configuration

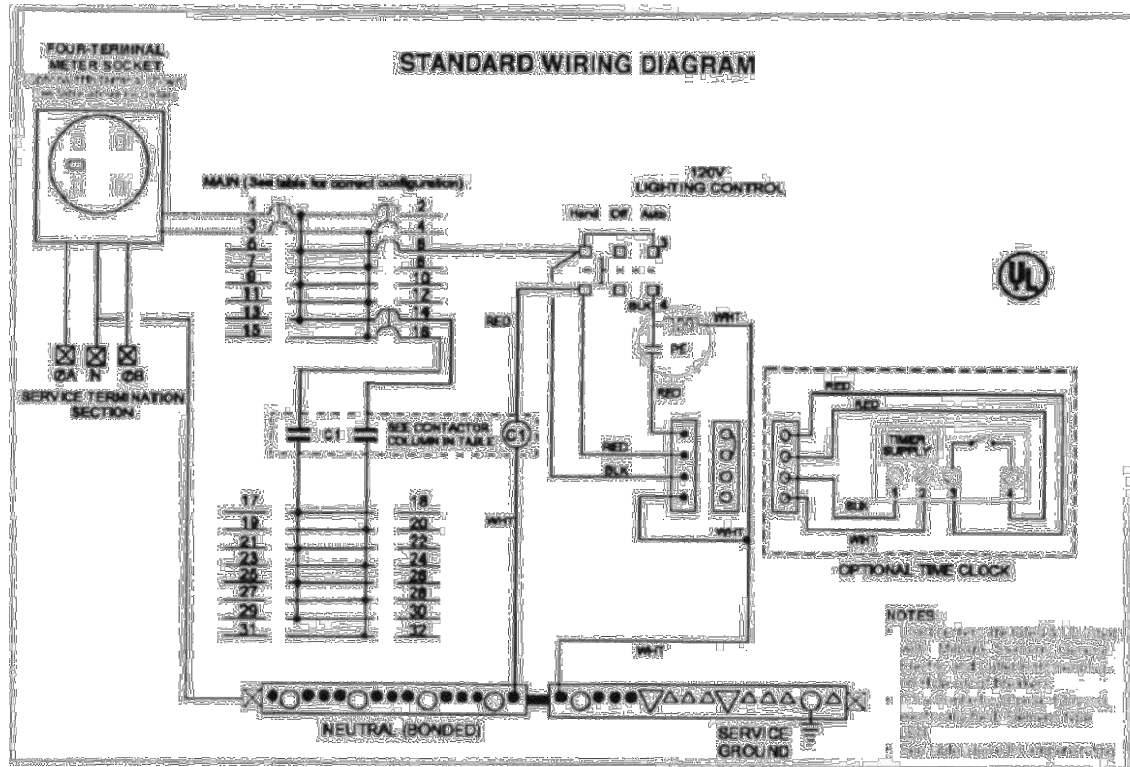
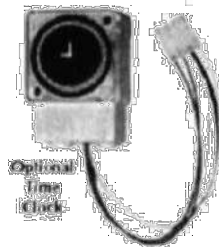
CP3B "SL" Series Stocking Information & Wiring Diagram

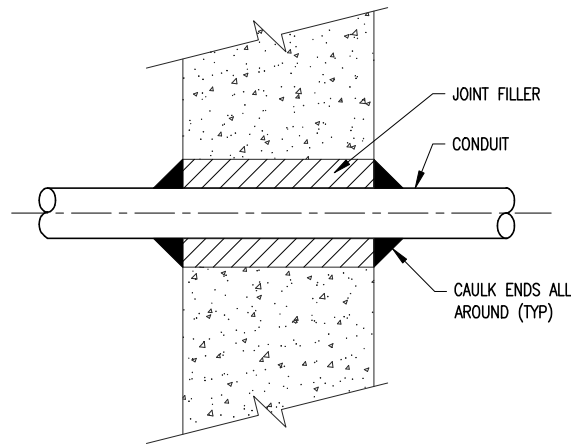


AVAILABLE FOR IMMEDIATE DELIVERY:

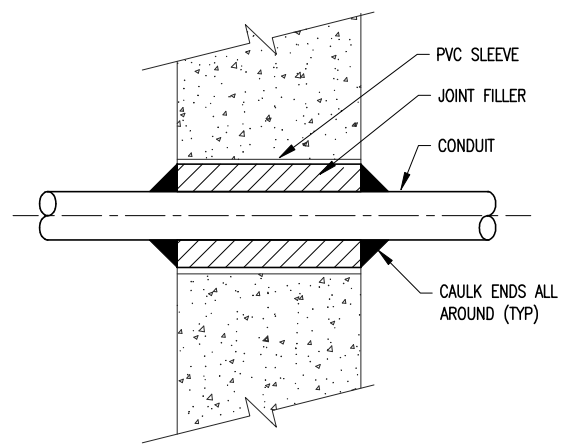
CATALOG NUMBER	OPTIONAL FIFTH TERMINAL KIT	AMPS	MAIN CB SPACES	CONTACTOR AMPERAGE	METER SOCKET TYPE
CP3B11110A22SL1	105J	100	(1,3)	60	Ring-type meter socket with test / bypass blocks
CP3B12110A22SL1	105J	200	(1,2,3,4)	100	Ring-type meter socket with test / bypass blocks
CP3B51110A22SL1	K3865	100	(1,3)	60	Ringless heavy duty meter socket with lever bypass
CP3B52110A22SL1	K3865	200	(1,2,3,4)	100	Ringless heavy duty meter socket with lever bypass

Accessories:	Description:
CP-TC7D	7-day time clock kit
CP-TC24H	24-hour time clock kit
CP-TCWIRE	Male four-pin connector and wiring harness for use with time clocks other than above
105J	Fifth terminal kit for use with ring-type meter sockets
K3865	Fifth terminal kit for use with ringless meter sockets
CP-16PDMNT-CALT	Pedestal mounting base (includes mounting hardware)
CP-ABK58	Anchor bolt kit (includes four 1" x 18" anchor bolts)

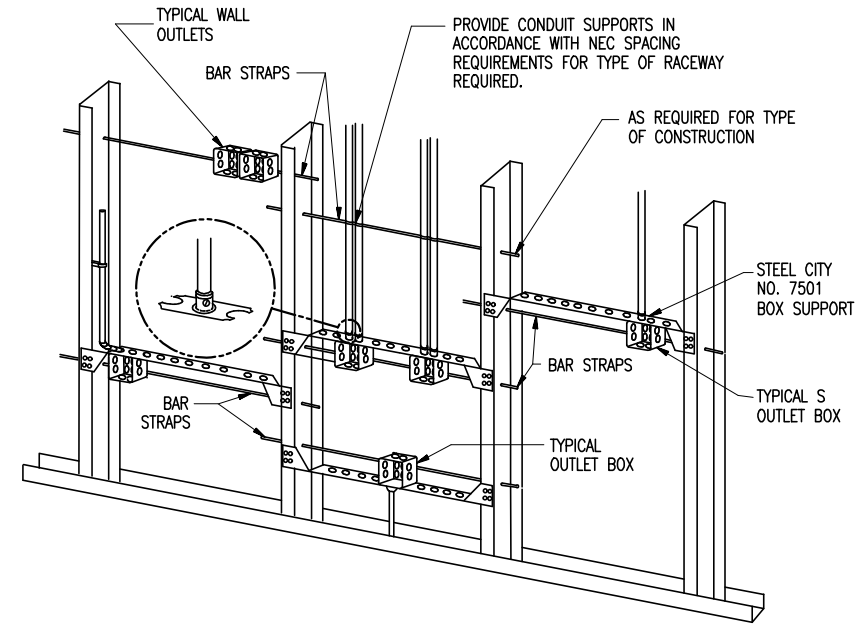




A CONDUIT PENETRATION THRU NEW WALL
SCALE: NTS

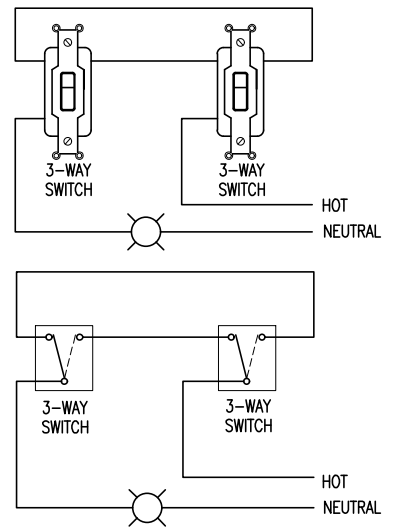


B CONDUIT PENETRATION THRU EXISTING WALL
SCALE: NTS

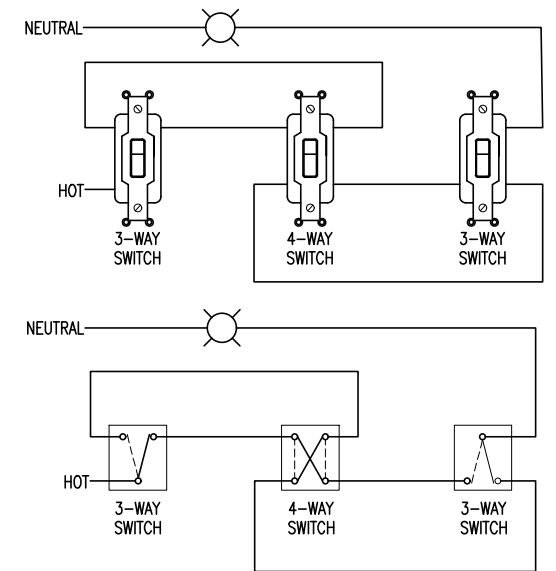


D TYPICAL ROUGH-IN INSTALLATION
SCALE: NTS

- NOTES:**
1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
 2. PLASTER RINGS NOT SHOWN.
 3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND WITH ALL APPLICABLE SHOP DRAWINGS.
 4. IN ACCORDANCE WITH UBC 4304 OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE MUST BE SEPARATED BY A MINIMUM OF 24" HORIZONTAL DISTANCE.



C THREE-WAY SWITCH & WIRING DIAGRAM
SCALE: NTS



E FOUR-WAY SWITCH & WIRING DIAGRAM
SCALE: NTS

H.P.E. INC. ELECTRICAL ENGINEERS
POWER SYSTEMS, CONTROL & INSTRUMENTATION SYSTEMS
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717 N. MAIN ST., SUITE 207 SPRINGVILLE, UT 84663 FAX (801) 642-2154
HPE PROJECT: 26.030 ©2026
FOR INFORMATION ABOUT THIS JOB, PLEASE CONTACT: BEN SORENSON

GENERAL NOTES:

1. NOT USED.

SHEET KEYNOTES:

1. NOT USED.

CONSULTING ENGINEERS
JONES & ASSOCIATES
6080 Fashion Point Drive
South Ogden, Utah 84403
(801) 476-9767 www.jonescivil.com

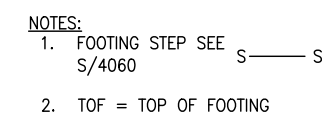
PLEASANT VIEW DECANT FACILITY

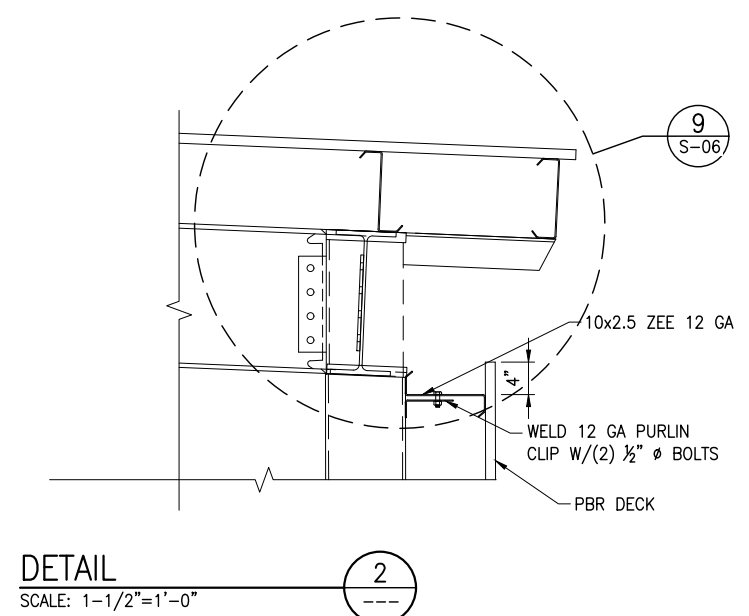
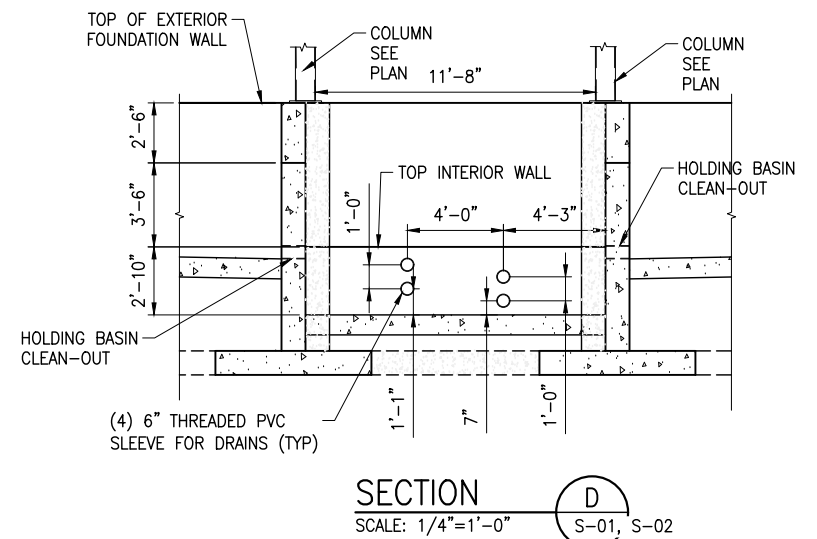
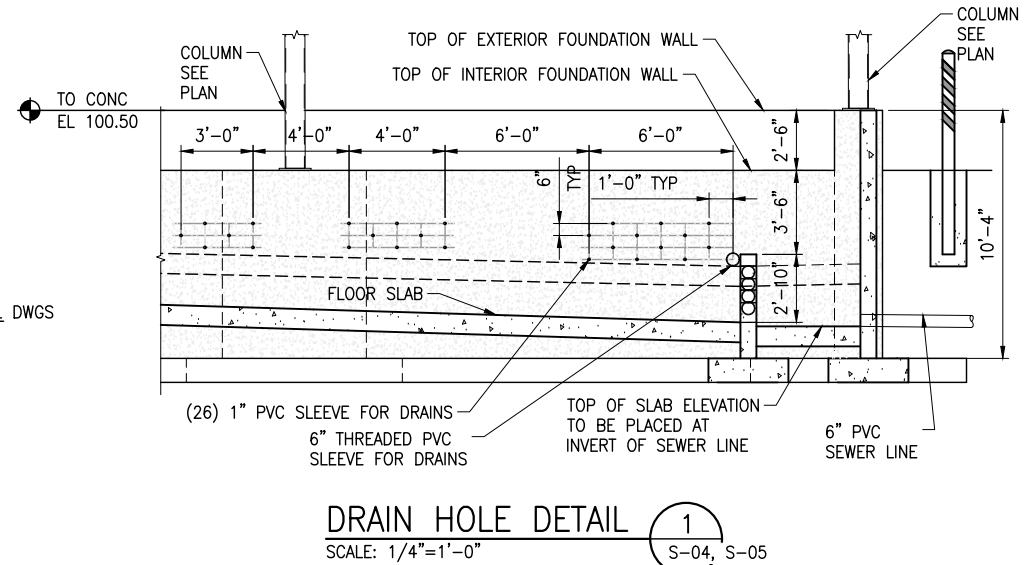
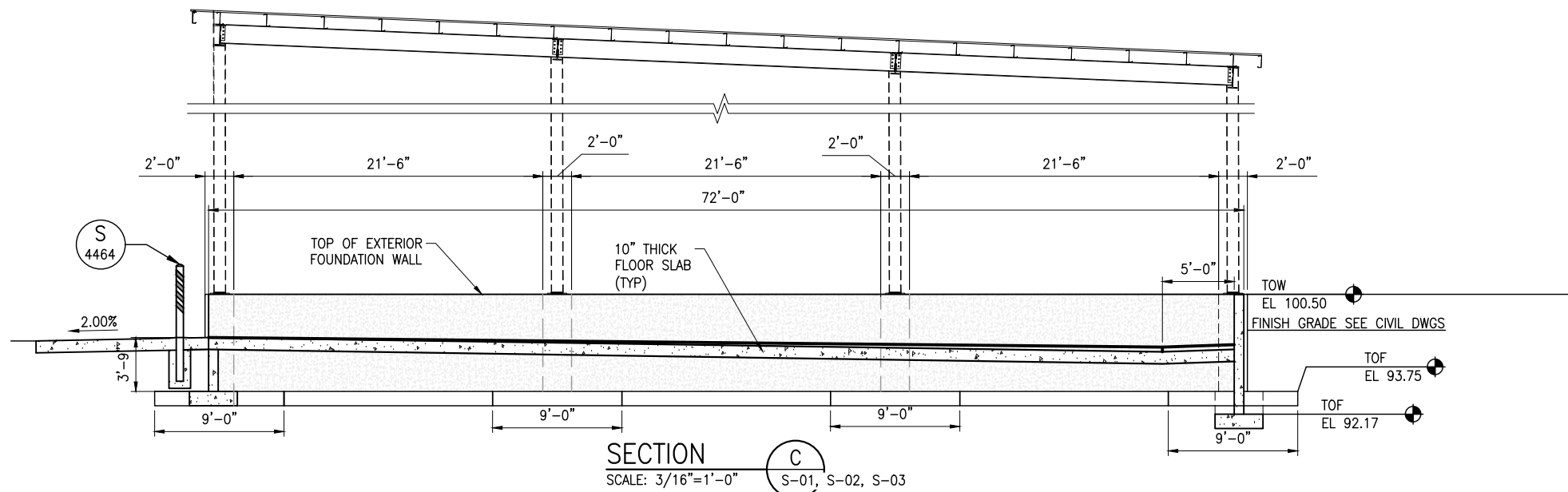
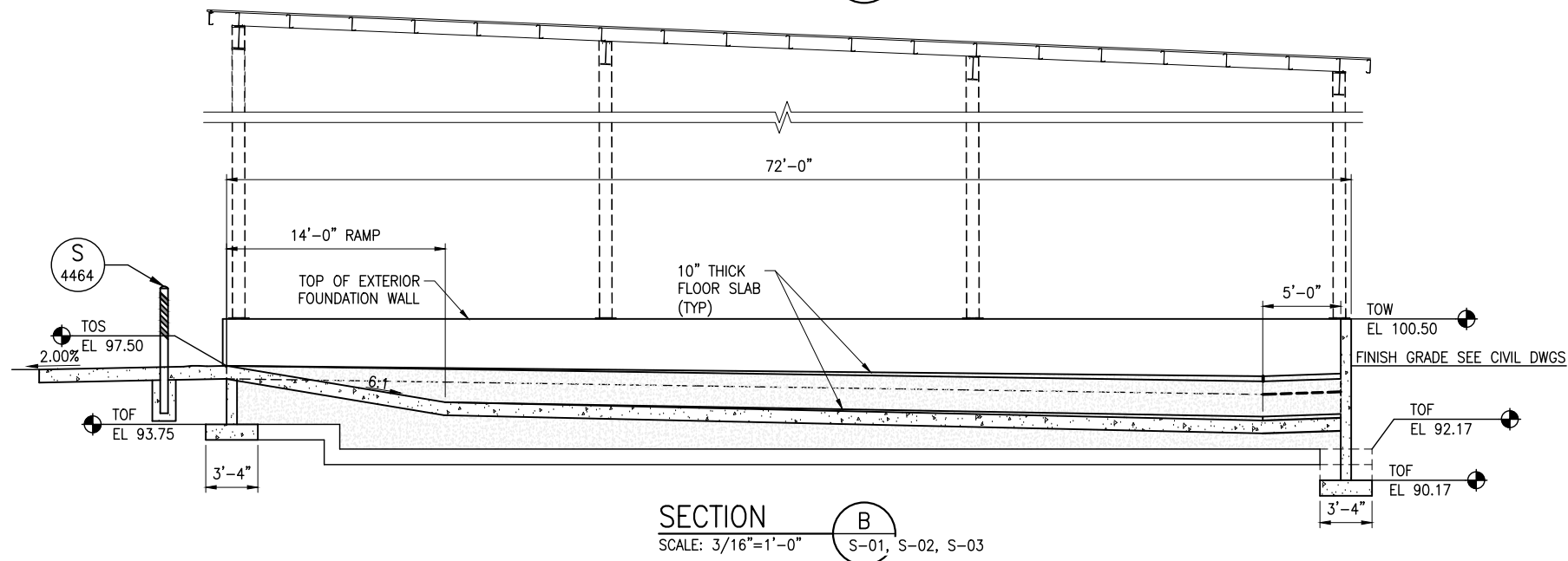
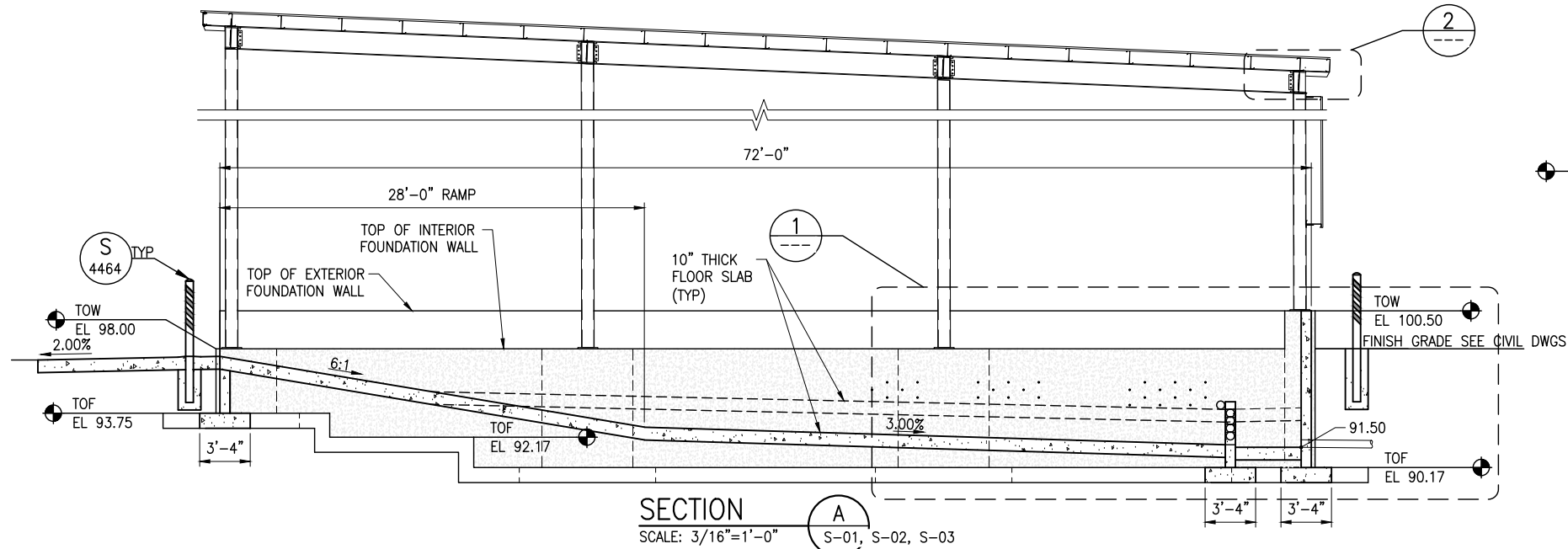
ELECTRICAL DETAILS

REV.	DATE	APPR.

DESIGNED BES	DRAWN GDS	CHECKED KBH
SCALE: 24"x36" 1/4"=1'	11"x17" 1/2"=1'	
SHEET: E6.4 OF - SHEETS		



[illegible]



NO.	DATE	REV. BY	DESCRIPTION

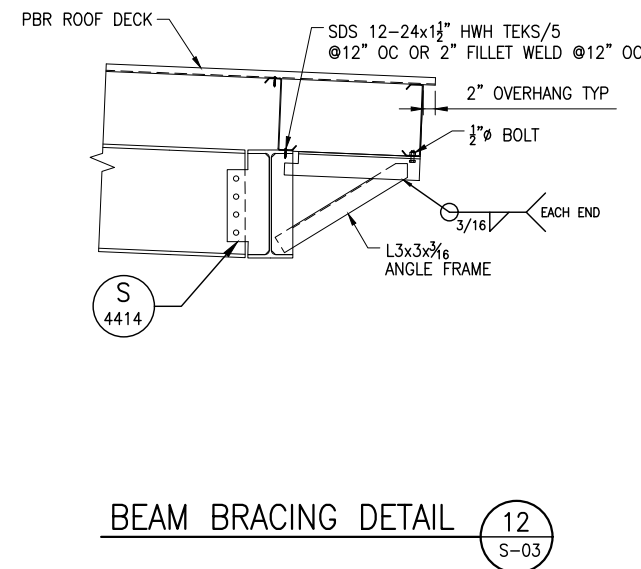
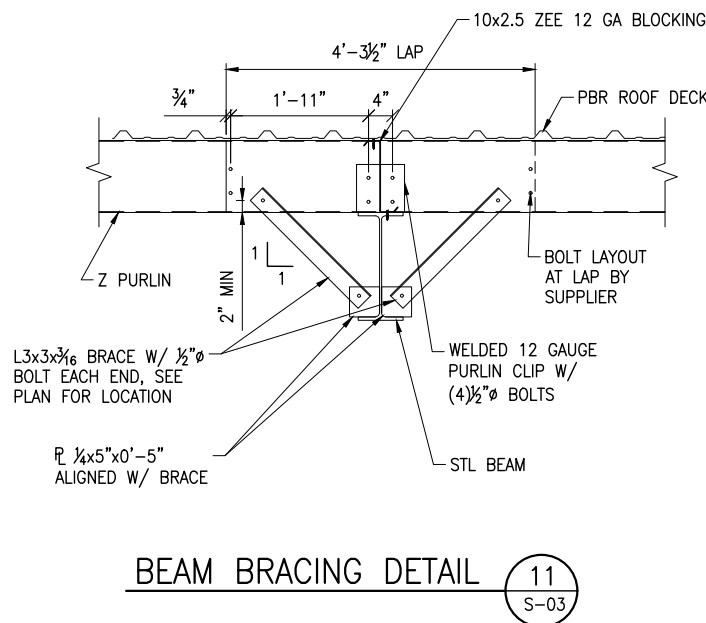
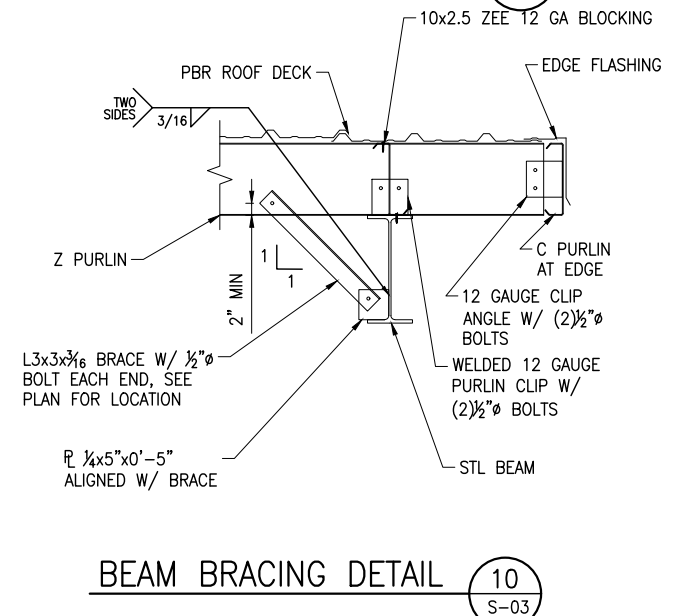
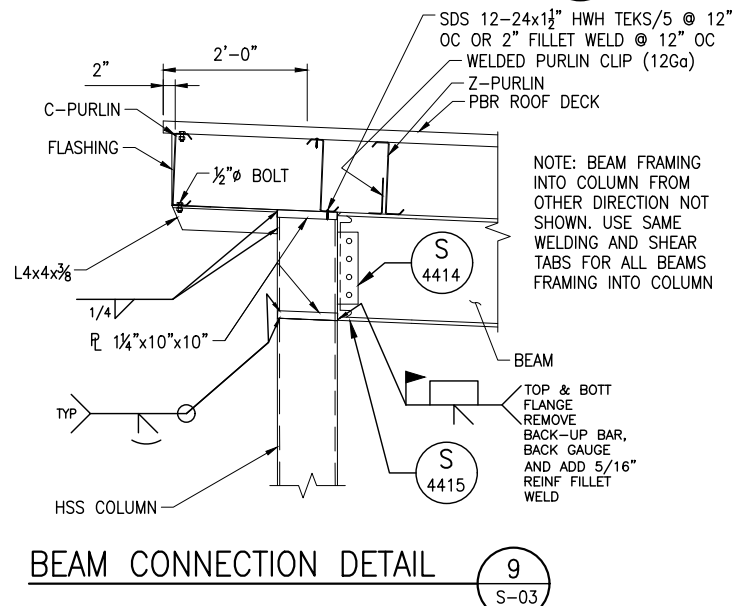
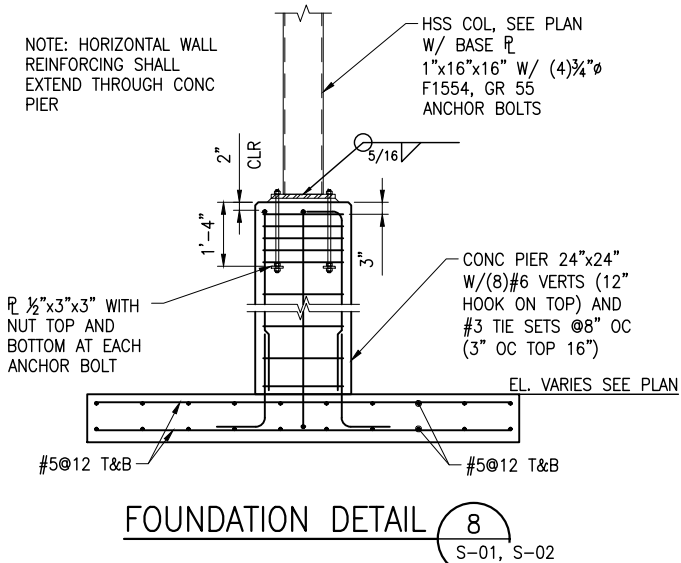
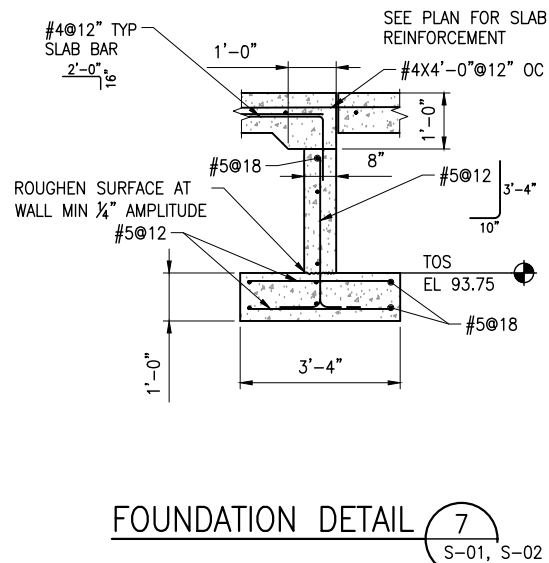
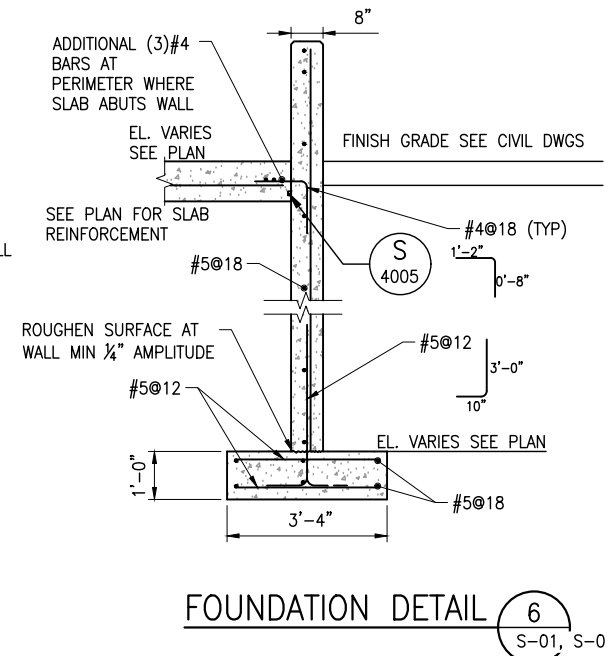
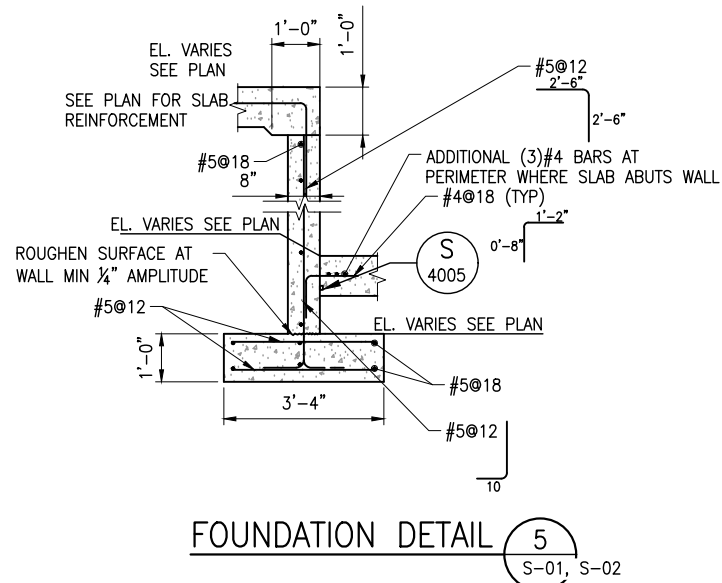
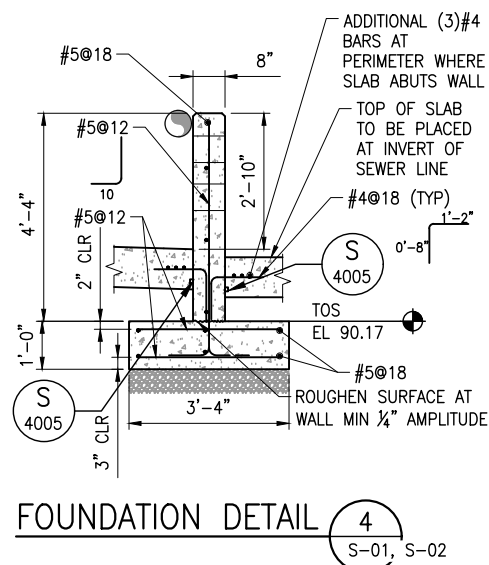
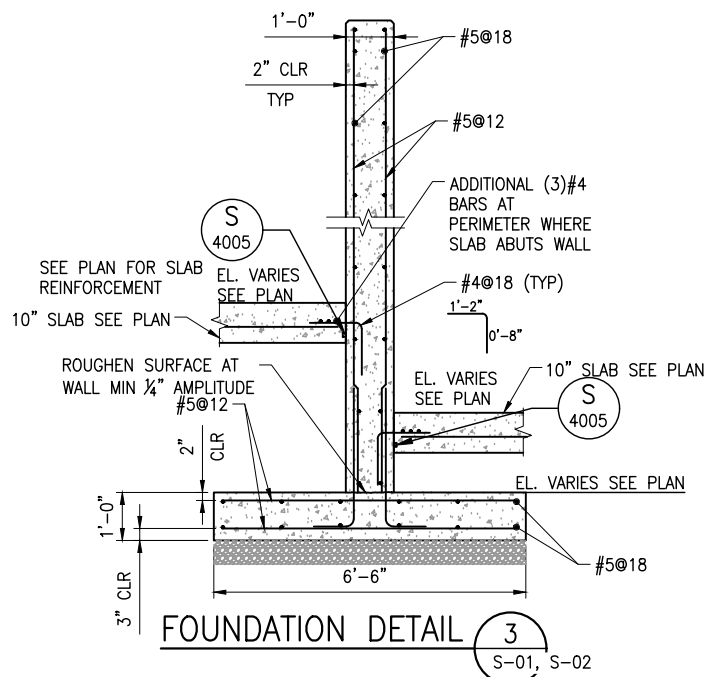
VERIFY SCALE	BAR IS ONE INCH ON ORIGINAL DRAWING
--------------	-------------------------------------

REVIEW	CHECKED S. COHEN	APPROVED S. COHEN
--------	------------------	-------------------

DESIGN	DESIGN S. COHEN	DRAWN S. PUGH
--------	-----------------	---------------

STRUCTURAL	PROJECT NUMBER	871-25-01
DATE:	MARCH 2026	

DRAWING NO.	S-04
SHEET	04 OF 09



GENERAL STRUCTURAL NOTES

GENERAL

1. THE SPECIFICATIONS AND REQUIREMENTS INDICATED ON THIS SHEET ARE INTENDED AS A BASIC SUMMARY OF THE MATERIAL CONSTRUCTION AND INSPECTION REQUIREMENTS FOR THIS PROJECT. ADDITIONAL REQUIREMENTS ARE GIVEN IN THE PROJECT SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN THESE GENERAL NOTES AND THE REQUIREMENTS GIVEN IN THE PROJECT SPECIFICATIONS, THE ENGINEER SHALL BE CONTACTED TO DETERMINE WHICH PROVISION GOVERNS.
2. FOR LOCATION AND DIMENSIONS OF SLEEVES, CURBS, OPENINGS, AND DEPRESSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS, SEE CIVIL DRAWINGS. THE CONTRACTOR SHALL VERIFY AND COORDINATE PENETRATIONS SHOWN ON THE OTHER PROJECT DRAWINGS, WHETHER THEY ARE SHOWN ON THE STRUCTURAL DRAWINGS OR NOT.
3. EMBEDDED ITEMS, SUCH AS PIPE SLEEVES, CONDUITS, AND INSERTS SHALL ALL BE RIGIDLY INSTALLED IN PLACE BEFORE CONCRETE IS POURED. SEE CIVIL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ITEMS REQUIRING SLEEVES AND EMBEDMENTS IN CONCRETE, WHICH ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS.
4. DESIGN DETAILS AS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND APPLY TO ALL SIMILAR SITUATIONS OCCURRING ON THE PROJECT, WHETHER OR NOT THEY ARE SPECIFICALLY REFERENCED IN EACH LOCATION. CONSULT THE ENGINEER FOR CONCURRENCE PRIOR TO CONSTRUCTION.
5. SUBMIT DRAWINGS AND RECEIVE REVIEW OF ALL STRUCTURAL RELATED SHOP DRAWINGS PRIOR TO ERECTION OR CONSTRUCTION.
6. APPLICABLE BUILDING CODE FOR THE PROJECT IS THE 2021 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC). ANY CHANGES MADE DURING CONSTRUCTION TO THE APPROVED CONSTRUCTION DOCUMENTS SHALL BE APPROVED BY THE ENGINEER AND SHALL BE RESUBMITTED TO THE BUILDING OFFICIAL FOR APPROVAL AS AN AMENDED SET OF CONSTRUCTION DOCUMENTS.

SITE PREPARATION NOTES

1. SITE PREPARATION NOTES FOR THIS PROJECT ARE BASED ON RECOMMENDATIONS CONTAINED IN A SOILS REPORT BY CMT ENGINEERING LABORATORIES DATED SEPTEMBER 2021, ALONG WITH ANY ADDENDA THERETO, WHICH HAVE BEEN PREPARED FOR THIS PROJECT. A REFERENCE COPY IS AVAILABLE UPON REQUEST FROM THE ENGINEER.
2. FOOTINGS AND FOUNDATIONS AS SHOWN ON DRAWINGS MAY VARY IF THE SUBSURFACE SOIL CONDITIONS VARY FROM THOSE FOUND IN THE SOILS REPORT.
3. ALL SURFACE MATERIALS SUCH AS VEGETATION (INCLUDING THE ROOT ZONE), TOPSOIL, DEBRIS, NON-ENGINEERED FILL, BOULDERS LARGER THAN 12" AND ANY OTHER DELETERIOUS MATERIALS SHALL BE REMOVED EXTENDING OUT 4 FEET FROM THE STRUCTURE AND 2 FEET BEYOND PAVEMENTS. THESE STRIPPED SOILS ARE CONSIDERED UNSUITABLE FOR STRUCTURAL FILL.
4. THE SUBGRADE SHALL BE PROOF ROLLED WITH HEAVY RUBBER-TIRED EQUIPMENT AT LEAST TWICE. ALL SOFT SPOTS SHALL BE REMOVED AND REPLACED WITH COMPACTED STRUCTURAL FILL OR OTHERWISE STABILIZED. IF MORE THAN 2 FEET OF MATERIAL IS TO BE REPLACED CONTACT THE GEOTECHNICAL ENGINEER.
5. FOOTINGS SHALL BEAR UPON UNDISTURBED NATIVE SOILS OR PROPERLY PLACED STRUCTURAL FILL EXTENDING TO SUITABLE NATURAL SOILS.
6. THE FOOTINGS SHALL BE PLACED A MINIMUM OF ONE FOOTING WIDTH AWAY FROM ANY SLOPING FACE.
7. THE OWNER'S GEOTECHNICAL ENGINEER OR SPECIAL INSPECTOR SHALL OBSERVE THE NATURAL SOILS AT THE TIME OF FOOTING EXCAVATION TO DETERMINE THE SUITABILITY OF THE NATURAL SOILS FOR SUPPORTING THE FOOTINGS.
8. STRUCTURAL FILL SHALL CONSIST OF WELL GRADED GRANULAR MATERIAL WITH A MAXIMUM SIZE OF 4 INCHES, A MAXIMUM OF 70% PASSING THE 3/4 INCH SIEVE AND A MAXIMUM OF 20% PASSING THE NO. 200 SIEVE. ALL FINES SHALL HAVE PLASTICITY INDEX LESS THAN 10.
9. STRUCTURAL FILL BELOW FOOTINGS EXTENDING AT LEAST 4 FEET BEYOND THE PERIMETER OF THE STRUCTURE AND BELOW SLAB ON GRADE SHALL BE PLACED IN MAXIMUM 8 INCH LOOSE LIFTS AND COMPACTED TO AT LEAST 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557 AND SHALL BE COMPACTED AT A MOISTURE CONTENT WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT.
10. SLABS ON GRADE SHALL BE UNDERLAIN BY A MINIMUM OF 4" OF FREE-DRAINING GRANULAR MATERIAL. GRANULAR MATERIAL SHALL BE PLACED UPON PROPERLY PREPARED SUBGRADE AS DESCRIBED ABOVE.
11. COMPACTION OF STRUCTURAL FILL SHALL BE OBSERVED AND TESTED BY OWNER'S TESTING LABORATORY TO ENSURE THAT THE ABOVE REQUIREMENTS ARE ACHIEVED.

FORMWORK, SHORING, AND BRACING

1. CONFORM TO ACI 347 "RECOMMENDED PRACTICE FOR CONCRETE FORMWORK" FOR DESIGN AND CONSTRUCTION OF CONCRETE FORMWORK AND BRACING. CONTRACTOR IS RESPONSIBLE FOR DESIGN AND CONSTRUCTION OF FORMWORK AND BRACING.
2. STRUCTURES AS SHOWN ON THESE DRAWINGS INDICATE THE FINAL CONDITION ONLY AND DO NOT INCLUDE THE NECESSARY COMPONENTS OR EQUIPMENT FOR STRUCTURAL STABILITY DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR WORK RELATED TO CONSTRUCTION ERECTION METHODS, BRACING, SHORING, RIGGING, GUYS, SCAFFOLDING, FORMWORK, AND OTHER WORK AIDS REQUIRED TO SAFELY PERFORM THE WORK SHOWN.

FOOTINGS

1. EXTERIOR WALL FOOTINGS SHALL BEAR AT A MINIMUM DEPTH OF 2'-6" BELOW FINISHED EXTERIOR GRADE.
2. NO FOOTINGS SHALL BE PLACED IN WATER OR ON FROZEN GROUND.

CONCRETE

1. ALL CONCRETE CONSTRUCTION TO CONFORM TO ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE," INCLUDING BAR BENDS AND HOOKS UNLESS SPECIFICALLY DETAILED OTHERWISE ON THESE DRAWINGS.
2. THE MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE: 4,500 PSI
3. A STATEMENT OF MIX DESIGN FOR ALL CONCRETE SHALL BE SUBMITTED TO AND REVIEWED BY THE STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK.
4. THE VARIOUS CONCRETE ITEMS ARE ASSIGNED TO THE FOLLOWING EXPOSURE CATEGORIES AND CLASSES PER SECTION 19.3 OF ACI 318-19: F2, S1, W2, C1
5. USE CEMENT CONFORMING TO ASTM C595, TYPE II (10) (MS).
6. ALL CONSTRUCTION JOINTS, EXPANSION JOINTS, AND OTHER TYPES OF JOINTS, OTHER THAN THOSE SPECIFICALLY SHOWN ON THE DRAWINGS TO BE APPROVED BY THE ENGINEER PRIOR TO PLACING CONCRETE.
7. INSTALL CONTINUOUS WATERSTOPS IN ALL EXPANSION, CONTRACTION, CONTROL AND CONSTRUCTION JOINTS OF WATER-HOLDING BASINS, CHANNELS, AND BELOW GRADE STRUCTURES UNLESS SPECIFICALLY NOTED OTHERWISE.
8. PROVIDE 3/4-INCH CHAMFER AT ALL EXPOSED EDGES AND CORNERS UNLESS NOTED OTHERWISE.
9. BEFORE PLACING THE SECOND POUR AT CONSTRUCTION JOINTS REMOVE LAITANCE, THOROUGHLY CLEAN AND ROUGHEN ALL JOINT SURFACES TO MINIMUM AMPLITUDE OF 1/4 INCH.
10. UNLESS NOTED OTHERWISE ON THE DRAWINGS, REINFORCE CONCRETE WALLS AS FOLLOWS:

WIDTH	HORIZ REINF	VERT REINF
10" WALL	#5 @ 18"	#5 @ 12" CENTER OF WALL
12" WALL	#5@ 18", EACH FACE	#5 @ 12", EACH FACE

REINFORCEMENT STEEL

1. PROVIDE REINFORCEMENT STEEL CONFORMING TO ASTM A615, GRADE 60 EXCEPT WHERE WELDING IS PERMITTED BY THE ENGINEER. PROVIDE STEEL CONFORMING TO ASTM A706 WHEN WELDING IS PERMITTED.
2. PROVIDE WELDED WIRE FABRIC CONFORMING TO ASTM A185 FOR PLAIN REINFORCEMENT AND ASTM A497 FOR DEFORMED.
3. DIMENSIONS GIVEN FOR REINFORCING BARS ARE TO BAR CENTERS UNLESS NOTED OTHERWISE. BAR COVER IS THE CLEAR DISTANCE BETWEEN BAR AND CONCRETE SURFACE. CLEARANCE FOR REINFORCEMENT BARS PER THE FOLLOWING UNLESS SHOWN OTHERWISE:

WHEN PLACED AGAINST GROUND	3"
FORMED SURFACES IN CONTACT WITH THE GROUND	
OR EXPOSED TO THE WEATHER	2"
INTERIOR WALL SURFACES	1"
ALL OTHER CONCRETE SURFACES	2"
4. CONTINUE WALL CORNER AND WALL INTERSECTION REINFORCEMENT BARS AROUND CORNERS AND THROUGH COLUMNS OR PILASTERS. EXTEND REINFORCEMENT INTO CONNECTING WALLS AND LAP ON THE OPPOSITE FACE OF THE CONNECTING WALLS.
5. UNLESS OTHERWISE NOTED, ALL HOOKS SHOWN ARE 90° STANDARD HOOK AS DEFINED IN AC 318-19.
6. LAP VERTICAL WALL BARS WITH DOWELS FROM BELOW AND EXTEND THROUGH SLABS ABOVE TO TOP FACE. BEND AND/OR LAP TO TOP SLAB REINFORCEMENT AS INDICATED.
7. UNLESS OTHERWISE INDICATED, CONTRACTOR MAY SPLICE CONTINUOUS SLAB OR LONGITUDINAL BEAM BARS AT LOCATIONS OF HIS CHOOSING, EXCEPT THAT TOP BAR SPLICES ARE TO BE LOCATED AT MIDSPAN AND BOTTOM BAR SPLICES ARE TO BE LOCATED AT SUPPORTS. MINIMUM LAP REQUIREMENTS ARE AS FOLLOWS UNLESS OTHERWISE INDICATED.

LAP LENGTHS* – CONCRETE								
BAR SIZE	#4	#5	#6	#7	#8	#9	#10	#11
CONCRETE DESIGN STRENGTH = 4500 PSI								
LAP LENGTH	1'-7"	2'-0"	2'-4"	3'-4"	3'-9"	4'-10"	5'-9"	7'-0"

*ASSUMES 2" MINIMUM CLEARANCE TO SURFACE

STRUCTURAL STEEL

1. UNLESS NOTED OTHERWISE, PROVIDE STRUCTURAL STEEL CONFORMING TO ASTM A36. ROLLED WIDE FLANGE SHAPES TO CONFORM TO ASTM A992. PIPE TO CONFORM TO ASTM A53 TYPE E OR S, GRADE B. STRUCTURAL TUBING TO CONFORM TO ASTM A1085. FABRICATE AND ERECT ALL STRUCTURAL STEEL IN CONFORMANCE WITH AISC SPECIFICATIONS.
2. USE A325 OR F1852 BOLTS FOR STEEL TO STEEL CONNECTIONS, F1554 GR36 FOR ANCHOR BOLTS, AND A307 BOLTS FOR ALL OTHER CONNECTIONS (UNLESS SPECIFIED OTHERWISE ON DRAWINGS). USE 3/4" DIAMETER MINIMUM.

3. ALL HIGH-STRENGTH BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH AISC "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS." THE TURN-OF-NUT METHOD MAY BE USED. PROVIDE CARBONIZED WASHERS UNDER THE TURNED ELEMENT.
4. USE ONLY CERTIFIED WELDERS FOR ALL WELDING WORK. USE FILLER METAL HAVING A MINIMUM TENSILE STRENGTH OF 70 KSI AND PERFORM ALL WORK IN ACCORDANCE WITH THE CURRENT STRUCTURAL WELDING CODE (AWS D1.1).
5. UNLESS OTHERWISE NOTED, COAT ALL STRUCTURAL STEEL COMPONENTS WITH PAINT OR OTHER PROTECTIVE COATINGS AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
6. MINIMUM THICKNESS FOR GUSSET PLATES IS 3/8 INCH.
7. STRUCTURAL STEEL, WHICH IS TO BE EMBEDDED INTO CONCRETE TO BE CLEAN AND FREE OF PAINT, OIL, OR DIRT.

LOADING CRITERIA

1. BUILDING RISK CATEGORY	
2. DEAD LOAD	CALCULATED FROM UNIT WEIGHT
3. LIVE LOADS: STAIRS / PLATFORMS	100 PSF
4. LATERAL EARTH PRESSURE (EFP) NON SATURATED HYDROSTATIC FLUID PRESSURE	38 PCF 62.4 PCF
5. WIND LOAD: BASIC WIND SPEED EXPOSURE	115 MPH C
6. SNOW LOAD: GROUND SNOW LOAD FLAT ROOF SNOW LOAD SNOW EXPOSURE COEFFICIENT SNOW IMPORTANCE FACTOR SNOW THERMAL FACTOR	43 PSF 62 PSF 1.1 1.1 1.1
7. SEISMIC LOAD: PROCEDURE: EQUIVALENT LATERAL FORCE SITE CLASS: IMPORTANCE FACTOR: SEISMIC DESIGN CATEGORY: SPECTRAL RESPONSE ACCELERATIONS: S_s S_1 SPECTRAL RESPONSE COEF: S_{s1} S_{s2} S_{s1}	 D 1.0 D 0.1510g 0.549g 1.007g 0.641g
BASIC SEISMIC-FORCE-RESISTING SYSTEM: SPECIAL REINFORCED MASONRY SHEAR WALLS R = 5, $\Omega_{EGA} = 2.5$, $C_d = 3.5$	
8. FROST DEPTH:	30 INCHES
9. ALLOWABLE SOIL BEARING CAPACITY	2,500 PSF

SPECIAL INSPECTIONS

1. SPECIAL INSPECTION IN ACCORDANCE WITH APPROPRIATE SECTIONS OF IBC 2021, CHAPTER 17 IS REQUIRED FOR THE PROJECT.
2. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE, TO THE BUILDING OFFICIAL AND THE ENGINEER.
3. AN APPLICATION FOR OFF-SITE FABRICATION SHALL BE SUBMITTED TO THE BUILDING OFFICIAL FOR APPROVAL PRIOR TO FABRICATION.
4. A CERTIFICATE OF COMPLIANCE FOR OFF-SITE FABRICATION SHALL BE COMPLETED AND SUBMITTED TO THE BUILDING OFFICIAL FOR APPROVAL PRIOR TO ERECTION OF PREFABRICATED COMPONENTS. SPECIAL INSPECTION REQUIRED PER IBC SECTION 1704.2.
5. SPECIAL INSPECTION ITEMS REQUIRED PER LIST BELOW. CONTINUOUS OR PERIODIC INSPECTIONS IS DESIGNATED WITH A (C) OR (P).

CONCRETE: (TABLE 1705.3, 2021 IBC)

- | | |
|--|---|
| A. PLACING REINFORCEMENT STEEL | P |
| B. WELDING REINFORCEMENT STEEL (IF APPROVED BY ENGINEER) | C |
| C. PLACING ANCHOR BOLTS AND EMBEDDED PLATES | P |
| D. VERIFY APPLICABLE CONCRETE MIX BEING USED | P |
| E. SAMPLING CONCRETE FOR STRENGTH TESTS | C |
| F. CURING TECHNIQUES AND APPLICATION | P |

STEEL: (CHAPTER N, AISC 360-16)

- | | | | |
|----|--|-------|---|
| A. | VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS, AND WASHERS, INCLUDING IDENTIFICATION MARKINGS TO CONFIRM ASTM REQUIREMENTS SPECIFIED IN APPROVED CONSTRUCTION DOCUMENTS. | _____ | P |
| B. | MANUFACTURERS' CERTIFIED MILL TEST REPORTS. | _____ | P |
| C. | FIELD WELDED CONNECTIONS. | _____ | P |
| | FILLET WELDS | _____ | P |
| | COMPLETE AND PARTIAL PENETRATION GROOVE WELDS | _____ | C |
| D. | INSTALLATION OF HIGH-STRENGTH BOLTED CONNECTIONS. | _____ | P |
| | SNUG-TIGHT BOLTS | _____ | P |
| | SLIP-CRITICAL BOLTS | _____ | C |

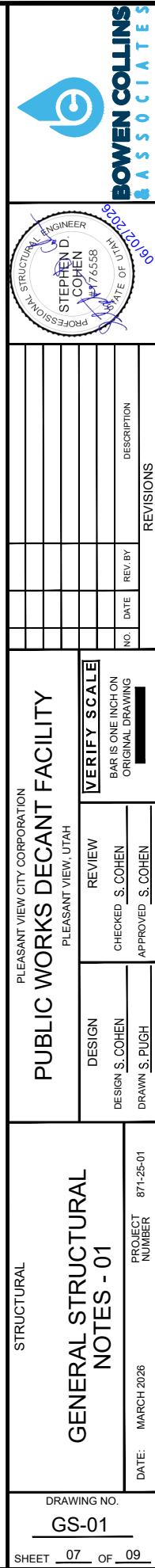
SOILS: (IBC TABLE 1705.6)

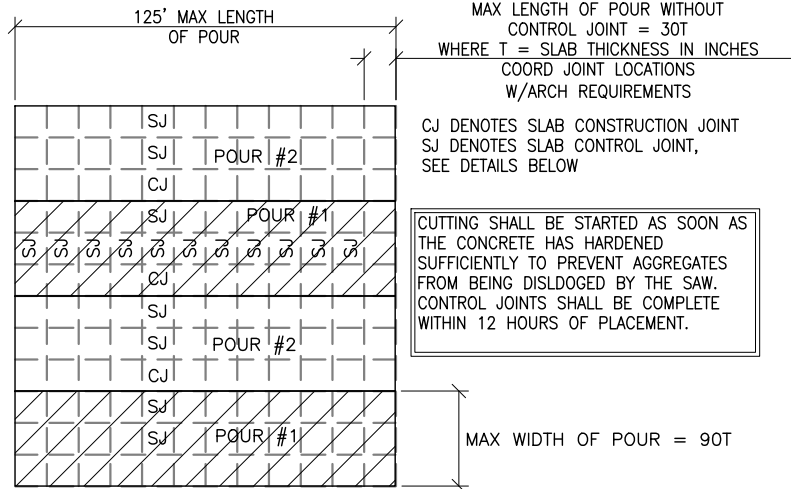
- A. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE FOR FOOTING SUPPORT.P
- B. VERIFY EXCAVATIONS ARE TO PROPER DEPTH.P
- C. VERIFY PROPERTIES OF COMPACTED FILL PRIOR TO PLACEMENT MEET
REQUIREMENTS OF PROJECT.P
- D. PRIOR TO PLACEMENT OF COMPACTED FILL OBSERVE SUBGRADE
AND VERIFY THAT THE SITE HAS BEEN PREPARED PROPERLY.P
- E. VERIFY PROPER USE OF COMPACTED FILL INCLUDING PROPER
MATERIALS, COMPACTION DENSITIES AND LIFT THICKNESS.C

STRUCTURAL OBSERVATION

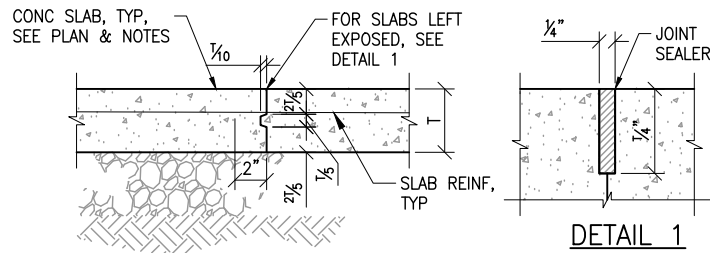
BOWEN COLLINS & ASSOCIATES SHALL BE NOTIFIED BY THE CONTRACTOR 5 BUSINESS DAYS BEFORE THE COMPLETION OF THE ITEMS LISTED IN THIS SECTION SO THAT STRUCTURAL OBSERVATION MAY BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1704.5. THE OBSERVATIONS WILL BE PERFORMED AT THE DISCRETION OF BOWEN COLLINS & ASSOCIATES. COMPLETED OBSERVATION REPORTS WILL BE SUBMITTED TO THE BUILDING OFFICIAL.

1. REBAR PRIOR TO PLACEMENT OF CONCRETE.

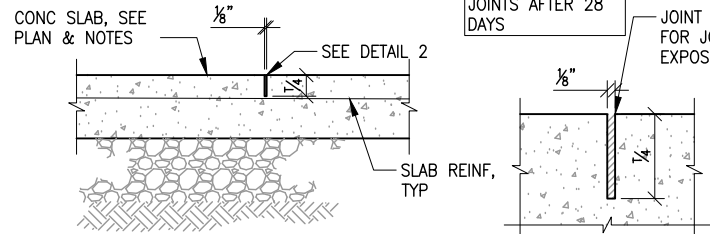




SLAB CONTROL JOINT CRITERIA



CONSTRUCTION JOINT (CJ)

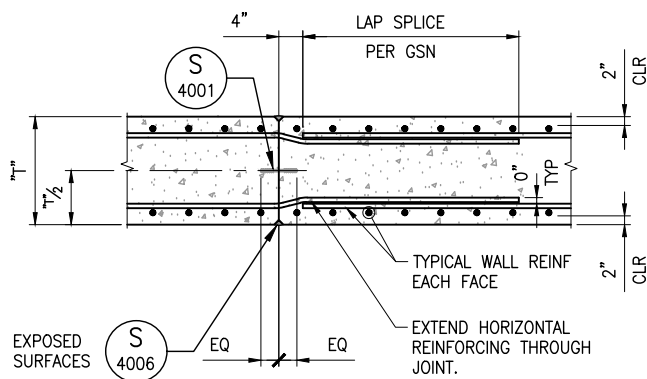


SLAB CONTROL (SJ)

TYPICAL SLAB JOINT DETAILS

NOT TO SCALE

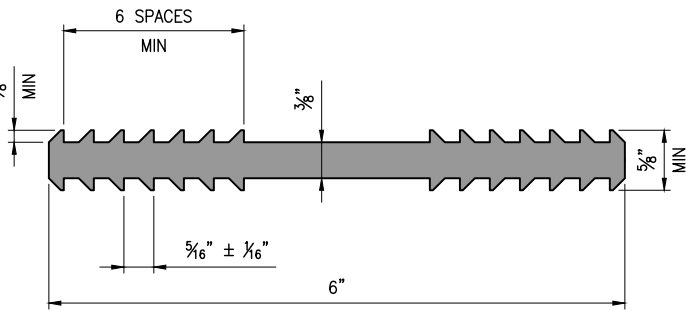
S 4000



DOUBLE MAT VERTICAL WALL JOINTS W/ WATERSTOP

NOT TO SCALE

S 4019



WATERSTOP

NOT TO SCALE

S 4001

WATERSTOP

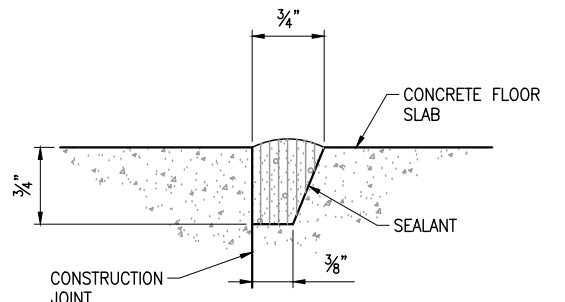
NOT TO SCALE

S 4005

SEALANT

NOT TO SCALE

S 4006



NOTE:

1. AT CONTRACTOR'S OPTION, SEALANT GROOVES MAY CONTINUE STRAIGHT ACROSS CONSTRUCTION JOINT INTERSECTION OR BE STAGGERED UPON APPROVAL OF THE ENGINEER.
2. NO BOND BREAKER WHERE SEALANT GROOVE IS CONSTRUCTED.

SEALANT

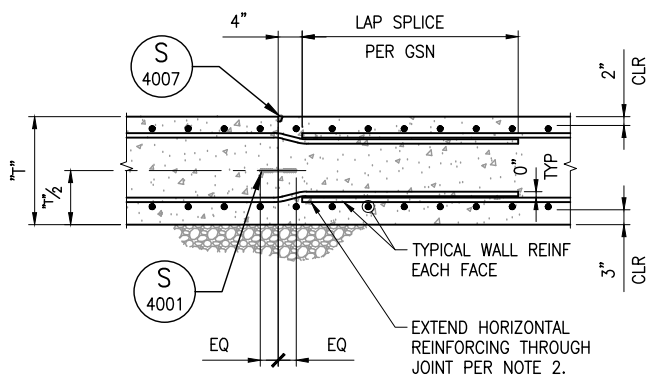
NOT TO SCALE

S 4007

VERT WALL JOINTS W/ WATERSTOP

NOT TO SCALE

S 4017



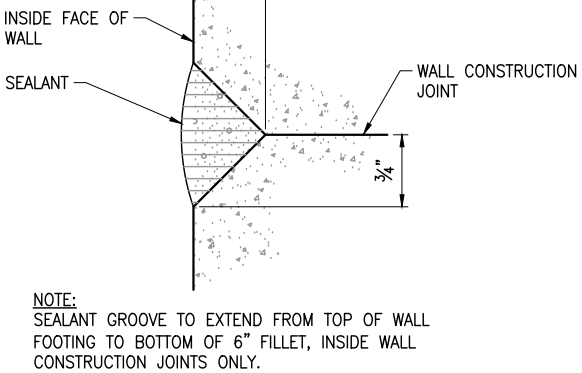
SLAB-ON-GRADE W/ WATERSTOP

NOT TO SCALE

S 4023

NOTES:

1. SEALANT GROOVES ARE TO BE PROVIDED IN ALL SLABS. WATERSTOPS ARE TO BE PROVIDED WHERE CALLED FOR ON THE DRAWINGS.
2. REFER TO SLAB PLAN FOR REINFORCING LAP LOCATIONS. WHEN NOT SHOWN, PLACE LAPS AS SHOWN HERE FOR BOTH TOP AND BOTTOM MATS.
3. UNLESS OTHERWISE NOTED, STAGGER ALL LAP SPICES PER DETAIL S/4040.



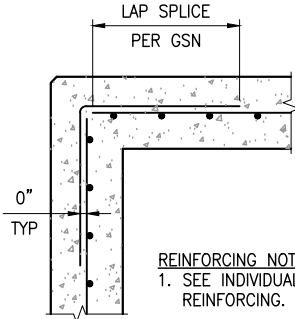
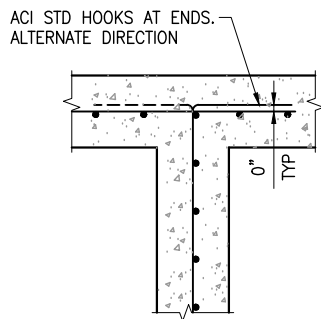
NOTE:

SEALANT GROOVE TO EXTEND FROM TOP OF WALL FOOTING TO BOTTOM OF 6" FILLET, INSIDE WALL CONSTRUCTION JOINTS ONLY.

NO.	DATE	REV. BY	DESCRIPTION

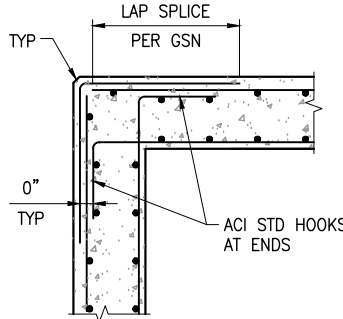
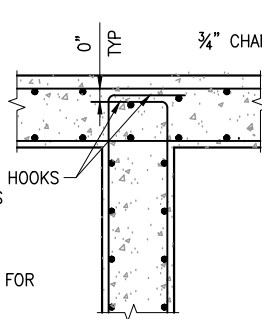
PUBLIC WORKS DECANT FACILITY PLEASANT VIEW, UTAH	VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING
	REVIEW CHECKED S. COHEN APPROVED S. COHEN
	DESIGN DESIGN S. COHEN DRAWN S. PUGH

STRUCTURAL GENERAL STRUCTURAL DETAILS - 01	PROJECT NUMBER 871-25-01
	DATE: MARCH 2026

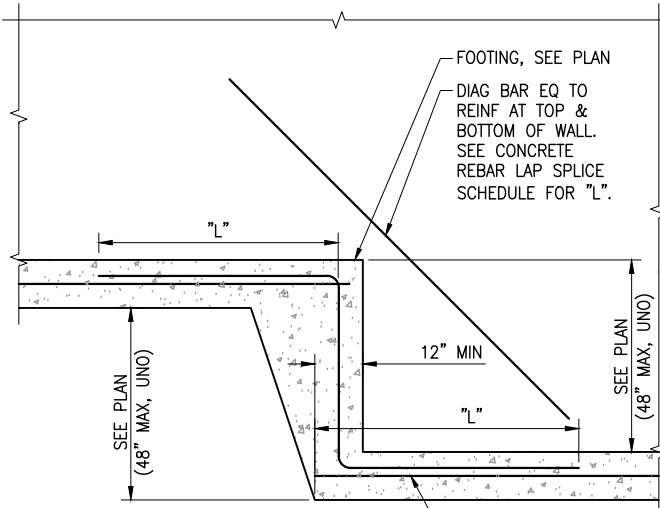


REINFORCING NOTES:
1. SEE INDIVIDUAL STRUCTURE FOR REINFORCING.
2. DETAIL IS TYPICAL AT ALL CONCRETE CORNERS AND INTERSECTIONS UNLESS SHOWN OTHERWISE.

SINGLE-CURTAIN REINFORCING



DOUBLE-CURTAIN REINFORCING



FOOTING STEP DETAIL

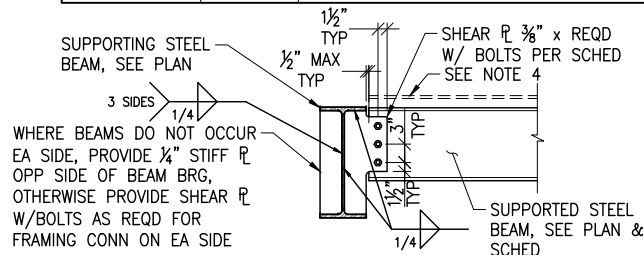
WALL REINFORCING AT CORNERS AND JUNCTIONS

NOT TO SCALE

S
4039

S
4060

BOLT SCHEDULE		
W8, W10	(2) 3/4"Ø	1. SEE FRAMING PLANS FOR BEAM SIZES.
W12, W14	(3) 3/4"Ø	2. ALL BOLTS SHALL BE A325-N, UNO.
W16, W18	(4) 3/4"Ø	3. STEEL DECK & JOISTS NOT SHOWN.
W21, W24	(5) 3/4"Ø	4. BEAM MAY OCCUR HIGHER FOR DECK BEARING, COORD W/PLAN.
W27	(6) 3/4"Ø	



BEAM CONNECTION

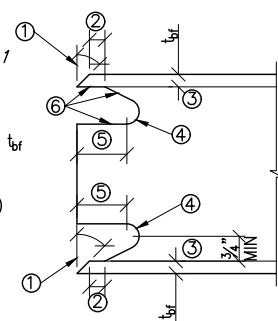
SCALE: NTS

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4414

NOTES:

- BEVEL AS REQUIRED BY AWS D1.1 FOR SELECTED GROOVE WELD PROCEDURE
- LARGER OF t_{bf} , OR $\frac{1}{2}$ " (PLUS $\frac{1}{2}$ " t_{bf} OR MINUS $0.25t_{bf}$)
- $0.75t_{bf}$ TO t_{bf} , $\frac{3}{4}$ " MINIMUM ($\pm\frac{1}{4}$ ")
- $\frac{3}{8}$ " MINIMUM RADIUS (PLUS NOT LIMITED, OR MINUS 0)
- $3t_{bf}$ ($\pm\frac{1}{2}$ ")
- SEE AISC SEISMIC GUIDELINES FOR CUTTING AND SMOOTHNESS REQUIREMENTS.

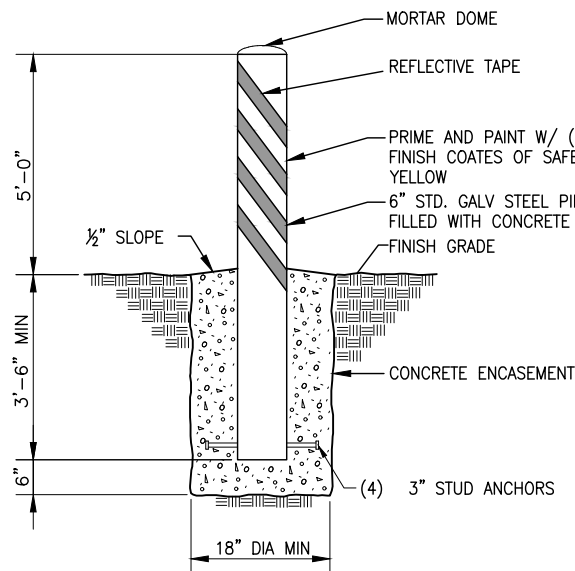
TOLERANCES SHALL NOT ACCUMULATE TO THE EXTENT THAT THE ANGLE OF THE ACCESS HOLE CUT TO THE FLANGE SURFACE EXCEEDS 25°.



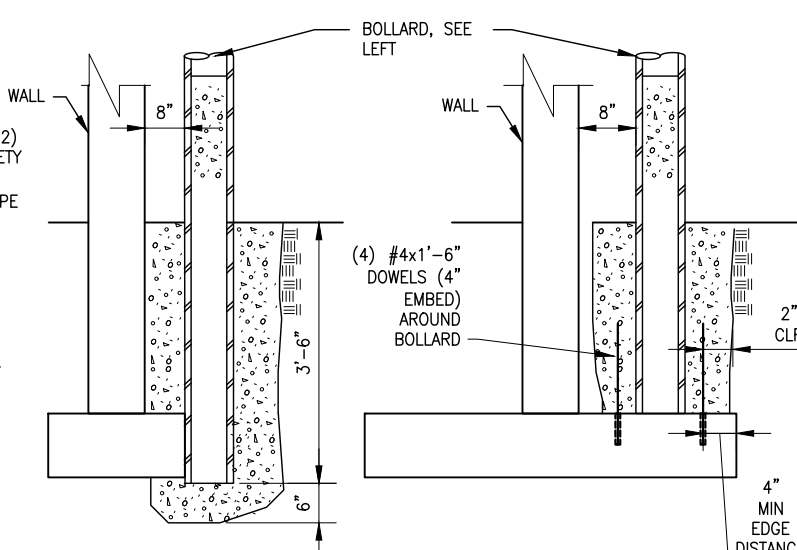
WELD ACCESS HOLES

SCALE: NTS

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4415



BOLLARD



WALL WITH SMALL FOOTING

WALL WITH LARGE FOOTING

NOTE:

- MARKER POSTS SHALL BE INSTALLED BY VALVES AND VAULTS IN UNIMPROVED AREAS IN LOCATIONS SPECIFIED BY THE ENGINEER IN THE FIELD.
- WHEN PLACED NEXT TO WALL, PROVIDE 8" CLEAR BETWEEN WALL AND BOLLARD.
- WHEN PROTECTING OPENING IN WALL, LINE UP FACE OF BOLLARD WITH INSIDE FACE OF OPENING.

BOLLARD DETAIL

NOT TO SCALE

S
4464

BOWEN COLLINS ASSOCIATES

STEPHEN D. COHEN
PROFESSIONAL ENGINEER
UTAH
EXPIRATION DATE 06/30/2019

REVISIONS		DESIGN		REVIEW		VERIFY SCALE	
NO.	DATE	REV. BY	DESCRIPTION	DESIGN	REVIEW	CHECKED	APPROVED

PLEASANT VIEW CITY CORPORATION

PUBLIC WORKS DECATANT FACILITY

PLEASANT VIEW, UTAH

DESIGN: S. COHEN

DRAWN: S. PUGH

CHECKED: S. COHEN

APPROVED: S. COHEN

STRUCTURAL

GENERAL STRUCTURAL DETAILS - 02

PROJECT NUMBER: 871-25-01

DATE: MARCH 2026

DRAWING NO.

GS-03

SHEET 09 OF 09