Wednesday, May 26, 2021
Development Review Committee

DEVELOPMENT REVIEW COMMITTEE AGENDA
PUBLIC NOTICE is hereby given that the Development Review Committee of Spanish Fork, Utah, will hold a regular meeting in the City Council Chamber at the Spanish Fork City Office Building, 40 South Main Street, Spanish Fork, Utah, commencing at 10:00 a.m. This meeting is not available to attend virtually.

1. Approval of Minutes

Subject	**A. May 19, 2021**
Meeting	May 26, 2021 - Development Review Committee
Category	1. Approval of Minutes
Access	Public
Type	Action, Minutes

File Attachments
draftminutes.drc.5-19-2021.pdf (1,191 KB)

2. Site Plan

Subject	**A. POPEYES. The proposal involves a commercial development located at 1301 North Canyon Creek Parkway.**
Meeting	May 26, 2021 - Development Review Committee
Category	2. Site Plan
Access	Public
Type	Action, Discussion

File Attachments
report.drc.site.popeyes.5-26-2021.pdf (5,547 KB)
siteplan.popeyes.4-20-2021.pdf (14,723 KB)
plan.landscape.popeyes.4-20-2021.pdf (2,226 KB)

Subject	**B. POWERHOUSE ROAD SIGNAL. The proposal involves intersection improvements located at Powerhouse Road US-6.**
Meeting	May 26, 2021 - Development Review Committee
Category	2. Site Plan

Access	Public
Type	Action, Discussion

File Attachments
plans.powerhouseroadsignal.5-19-2021.pdf (7,835 KB)

3. Conditional Use Permit

Subject	**A. 3400 EAST T-MOBILE. The proposal involves upgrading equipment on an existing tower located at approximately 965 South 3400 East.**
Meeting	May 26, 2021 - Development Review Committee
Category	3. Conditional Use Permit
Access	Public
Type	Action, Discussion

File Attachments
report.drc.3400eastcelltowermodification.5-26-2021.pdf (7,582 KB)

Subject	**B. 300 EAST T-MOBILE. The proposal involves upgrading equipment on an existing tower located at 1296 North 300 East.**
Meeting	May 26, 2021 - Development Review Committee
Category	3. Conditional Use Permit
Access	Public
Type	Action, Discussion

File Attachments
report.drc.300eastcelltowermodification.5-26-2021.pdf (6,924 KB)

4. Adjourn

Draft Minutes
Spanish Fork City Development Review Committee
40 South Main Street
Spanish Fork, UT 84660
May 19, 2021

Staff Members Present: Seth Perrins, City Manager; Dave Anderson, Community Development Director; Brandon Snyder, City Planner; Kimberly Brenneman, Community Development Secretary; Michael Clark, Assistant City Engineer; Jered Johnson, Engineering Division Manager; Shelley Hendrickson, Engineering Division Secretary; Zach Hendrickson, Outside Plant Manager; Jake Theurer, Power and Light Superintendent; Garret Elmer, Power and Light Assistant Superintendent; Bart Morrill, Parks Maintenance Supervisor. Nathan Read, Management Intern. John Little, Building Official.

Citizens Present: Cody Brazil, Gill Rand, Lonny Reed, Crail Bennett, Kerry Cordner, Tom Worthen, Carl Staheli, Adam Lambert, Spencer Baugh, Kim Pierce, Chad Poulsen, Scott Peterson, Matthew Smith, Michael Smith, Bill Beck, Mike McDonald.

Dave Anderson called the meeting to order at 10:00 a.m.

MINUTES

Seth Perrins **moved** to approve the minutes of **April 6, April 14, April 28 and May 5, 2021**, on the condition that the needed changes are made.

John Little **seconded** and there was no discussion on the motion.

GENERAL PLAN AMENDMENT

Title 15 Amendments

Brandon Snyder gave an overview of the proposed amendments including the addition of specific definitions for meat processing and grain mills and the allowed use within the I-1 zone.

Dave Anderson explained what qualifies as a meat processing facility. Including the addition of a Conditional Use Permit for meat processing facilities that are on sites less

than 20 acres in size and that processes 500 or fewer animals within any 24-hour period of time.

The cited reason for the proposed adjustments is that the City wants to limit the impact on neighbors of these facilities due primarily to the smell and sounds produced.

Seth Perrins brought up a concern about noise and odor, but since this change would apply industrial areas, without residential neighbors, he did not consider these concerns to apply in this situation.

Jered Johnson **moved** to recommend approval of the proposed Title 15 General Plan Amendments to the City Council as proposed.

Seth Perrins **seconded** and the motion **passed** all in favor.

ZONE CHANGE

3G Horizons

Dave Anderson spoke about the concept for the 3G Horizon's site; that it has been designated as industrial on the General Plan for a long period of time.

Seth Perrins asked about the north east corner of the lot which a resident owns and has plans to live in that location for the next couple of years but then sell it at that time.

Dave Anderson pointed out that the proposal is not a subdivision. When the site plan is brought to the DRC, then more details about the project can be explored, but at this time they are only looking at a conceptual, high level overview for the Zone Change.

Seth Perrins **moved** to recommend approval of the proposed 3G Horizons Zone Change from R-R to I-1 to the City Council based on the following finding:

Finding:

1. That the proposal is consistent with the City's General Plan Land Use Designation.

Jake Theurer **seconded** and the motion **passed** all in favor.

Warren

Dave Anderson described the project at 1684 South Mill Road. He also spoke about how the City has had a large number of requests to develop this area and that a Zone Change would help with this development. He mentioned that this Zone Change, in his opinion, is in line with the General Plan. At this point the project is only being looked at as a Zone Change. site plans and additional approvals will come later.

Seth Perrins agreed with Dave Anderson, saying that this is a straight forward change, in alignment with the General Plan and that he does not have any concerns.

Seth Perrins **moved** to recommend approval of the proposed Warren Zone Change from R-R to C-2 to the City Council based on the following finding and condition:

Finding:

1. That the proposal is consistent with the City's General Plan Land Use Designation.

Condition:

1. That the applicant address any redline comments in Citizenserve.

John Little **seconded** and the motion **passed** all in favor.

Kim Pierce

Dave Anderson described the property that Kim Pierce has purchased and that Kim Pierce has plans to make changes to the property that would require a zoning change.

John Little expressed his opinion that it is a good fit based on the General Plan.

John Little **moved** to recommend approval of the proposed Kim Pierce Zone Change from R-R to R-1-12 to the City Council based on the following finding:

Finding:

1. That the proposal is consistent with the City's General Plan Land Use Designation.

Jered Johnson **seconded** and the motion **passed** all in favor.

Minor Subdivision Plat

Kim Pierce

Michael Clark spoke about a change that would need to be made to the record of survey, showing the right-of-way dedication for 100 South. This needs to be updated by the surveyor showing the property line at the back of sidewalk.

Kim Pierce, the owner, spoke about his plans for the property which currently is to use the land for farming.

Jered Johnson **moved** to recommend approval of the proposed Kim Pierce Minor Subdivision Plat to the City Council based on the following finding and conditions:

Finding:

1. That the application conforms to the City's General Plan Designation and Zoning Map.

Conditions:

1. That the applicant meets the City's Construction Standards.
2. That the Zone Change be approved by the City Council.
3. That the applicant address any redline comments in Citizenserve.
4. That the applicant updates the record of survey for the Final Plat.

Jake Theurer **seconded** and the motion **passed** all in favor.

Canyon Creek Phase 8D

Dave Anderson spoke about this project, which is a master planned commercial development.

Seth Perrins spoke about a potential issue with parking as they consider the end caps for the project.

Jered Johnson **moved** to recommend approval of the proposed Canyon Creek Phase 8D Minor Subdivision Plat to the City Council based on the following finding and conditions:

Finding:

1. That the application conforms to the City's General Plan Designation and Zoning Map.

Conditions:

1. That the applicant meets the City's Construction Standards.
2. That the applicant address any redline comments in Citizenserve.

John Little **seconded** and the motion **passed** all in favor.

SITE PLAN

Canyon Creek Phase 8B Lot 6 (Buckle)

Brandon Snyder spoke about the landscaping and parking for the project.

Dave Anderson explained about the lining up of the new site with the older sites which will make the orientation of the site ideal.

Seth Perrins asked about the eastward orientation and asked if that would allow a site user to utilize the back end of the proposed addition.

Andy Spencer answered Seth Perrin's question; saying that the site will have more limited options on interested businesses, but adjustments could be made to rectify that problem.

Seth Perrins **moved** to approve the proposed Canyon Creek Phase 8B Lot 6 (Buckle) Site Plan based on the following finding and conditions:

Finding:

1. That the application conforms to the City's General Plan Designation and Zoning Map.

Conditions:

1. That the applicant meets the City's zoning requirements and construction standards.

2. That the subdivision plat be approved and recorded.
3. That the applicant address any redline comments in Citizenserve.

Jered Johnson **seconded** and the motion **passed** all in favor.

RRBC Commercial Plat A Lot 3

Dave Anderson spoke about the goal to help this project move forward in a timely manner without sacrificing any potential traffic improvements that might need to be addressed.

Michael Clark spoke about how this approval is conditional on the changes being made based on the traffic study recommendations.

Jered Johnson **moved** to approve the proposed RRBC Commercial Plat A Lot 3 Site Plan based on the following finding and conditions:

Finding:

1. That the application conforms to the City's General Plan Designation and Zoning Map.

Conditions:

1. That the applicant meets the City's zoning requirements and Construction Standards.
2. Subject to the applicant making any necessary adjustments to improvements as recommended by a traffic study in coordination with the Engineering Department.
3. That the applicant address any redline comments in Citizenserve.

Seth Perrins **seconded** and the motion **passed** all in favor.

Premier Striping

Brandon Snyder spoke about the Site Plan. There is an existing building on the south side of the lot, and the owner is proposing an additional building on the north side of the lot.

Brandon Snyder stated the plans show an area that is fenced but has a note saying it will not be used for storage, and asked what the area will be used for if not for storage.

Spencer Baugh, the architect for the project, stated his client has indicated that they do not intend to use the site for storage.

John Little said that historically the site has utilized the outdoor area for storage of items and it is difficult to believe that the area will not continue to be used for outdoor storage.

Dave Anderson **moved** to approve the proposed Premier Striping Site Plan based on the following finding and conditions:

Finding:

1. That the application conforms to the City's General Plan Designation and Zoning Map.

Conditions:

1. That the applicant meets the City's zoning requirements and Construction Standards.
2. That the applicant address any redline comments in Citizenserve.
3. That the applicant provides acknowledgement that there is no intended use for outdoor storage on the site.

Jake Theurer **seconded** and the motion **passed** all in favor.

Arrowhead Offsite Utilities

Jered Johnsen asked about the installation of pressurized irrigation.

Michael Clark asked about a timeline for the project.

Scott Peterson answered that the applicant is ready to move forward with this project at the present time.

Jered Johnson **moved** to approve the proposed Arrowhead Offsite Utilities Site Plan based on the following conditions:

Conditions:

1. That the applicant meets the City's Construction Standards.
2. That the applicant address any redline comments in Citizenserve.

3. That the applicant receives approval from UDOT.

John Little **seconded** and the motion **passed** all in favor.

Concept Review

Wasatch Pallet

Brandon Snyder spoke about the proposed site for the Wasatch Pallet Facility. A few things caught his attention, including landscaping changes, noise concerns, and the creation of dust.

Seth Perrins spoke about wanting to visit the current facility site and see what the owner is doing in order to make a model for similar businesses in the future.

Dave Anderson spoke about how light industrial uses are typically limited to indoor business models. However, Wasatch Pallet is an exception. He also told the applicant that a wall or specific type of fence will need to be installed on the Depot Road side of the site.

Michael Clark suggested having the improvement line strategically set so that if expansion happens, they do not have to remove walls and landscaping.

The applicant asked about what the City will require regarding utility installations.

Jered Johnson answered that although the GIS system does not currently show it. There are already installed utilities in the area, with the exception of pressurized irrigation.

The applicant asked for a barricade to be installed by the Union Pacific Building to keep drivers from entering that private lane.

McDonald Beck

Dave Anderson talked about the project that is proposed as a commercial development surrounded by residential development.

Mike McDonald spoke about the concept, initially having more townhomes than are currently proposed now for the project.

Michael Clark spoke about the Woodland Hills Drive on the south side of the plan that is owned by the county.

Mike McDonald discussed accessibility to the property and the limitations that UDOT is applying to the project with regard to distance from the intersection as well as the curve in the road.

Seth Perrins asked about the number of units for the project.

Mike McDonald answered that they have proposed about 80-90 units in the original plan, but that things may need to be adjusted because of accessibility restrictions.

Dave Anderson expressed his concern about the number of townhomes for the project and stated he would not be able to support that density, unless something changes on the other side of the road.

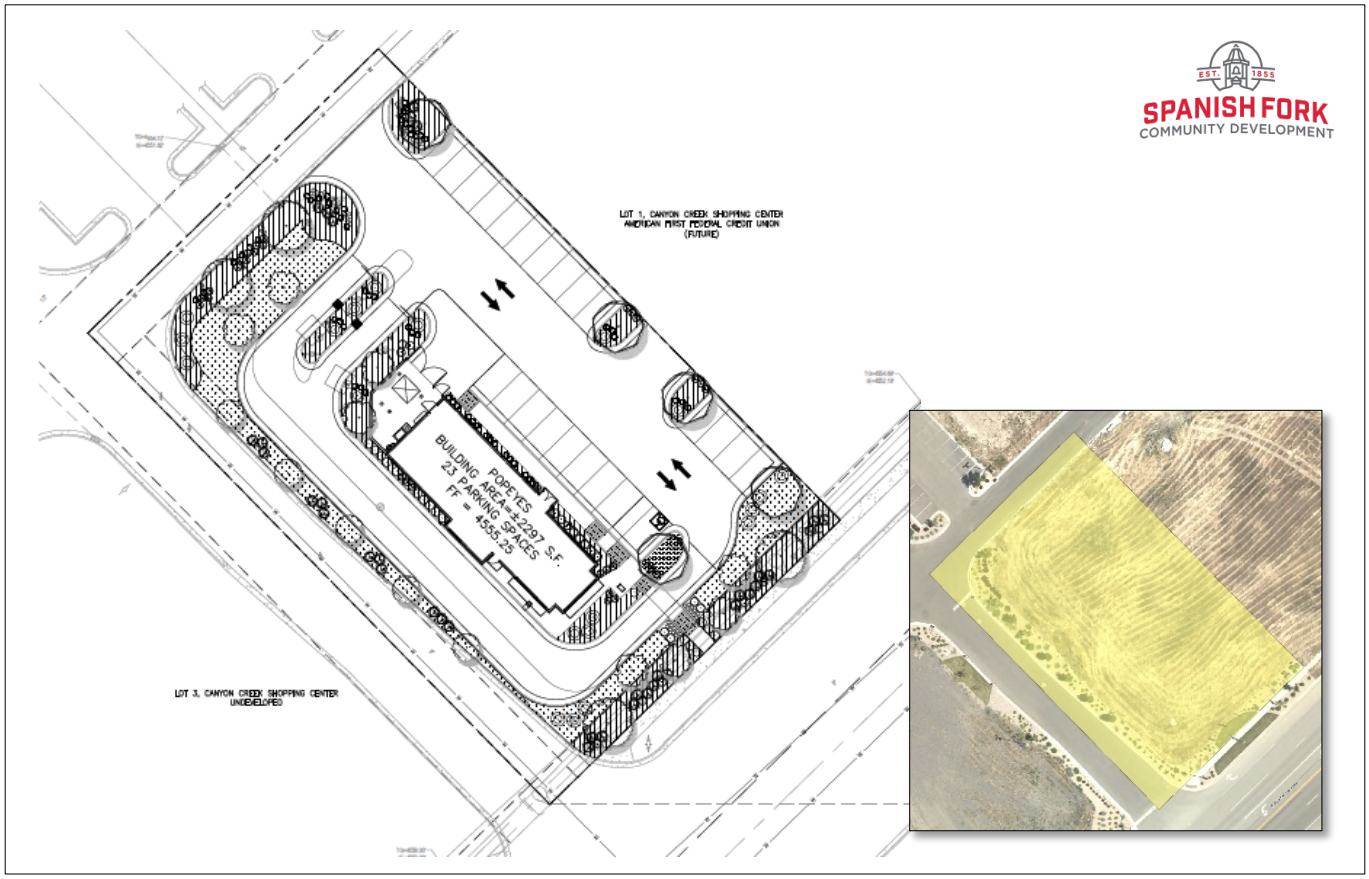
Seth Perrins asked about the accessibility for the future access of the parcels off of Woodland Hills Drive.

Seth Perrins **moved** to adjourn the meeting at 11:46 a.m.

Jared Johnson **seconded** and the motion **passed** all in favor.

Adopted:

Nathan Read
Management Intern



Popeyes Site Plan Approval Request

May 26, 2020, Development Review Committee.

Located at 1301 North Canyon Creek Parkway, including .8 acres.

The subject property is zoned C-2

The applicant has requested that a Site Plan be approved.

Key Issues

1. Property Dimensions
2. Utilities
3. Power

Recommendation

That the proposed Site Plan be approved based on the following findings and subject to the following conditions:

Findings

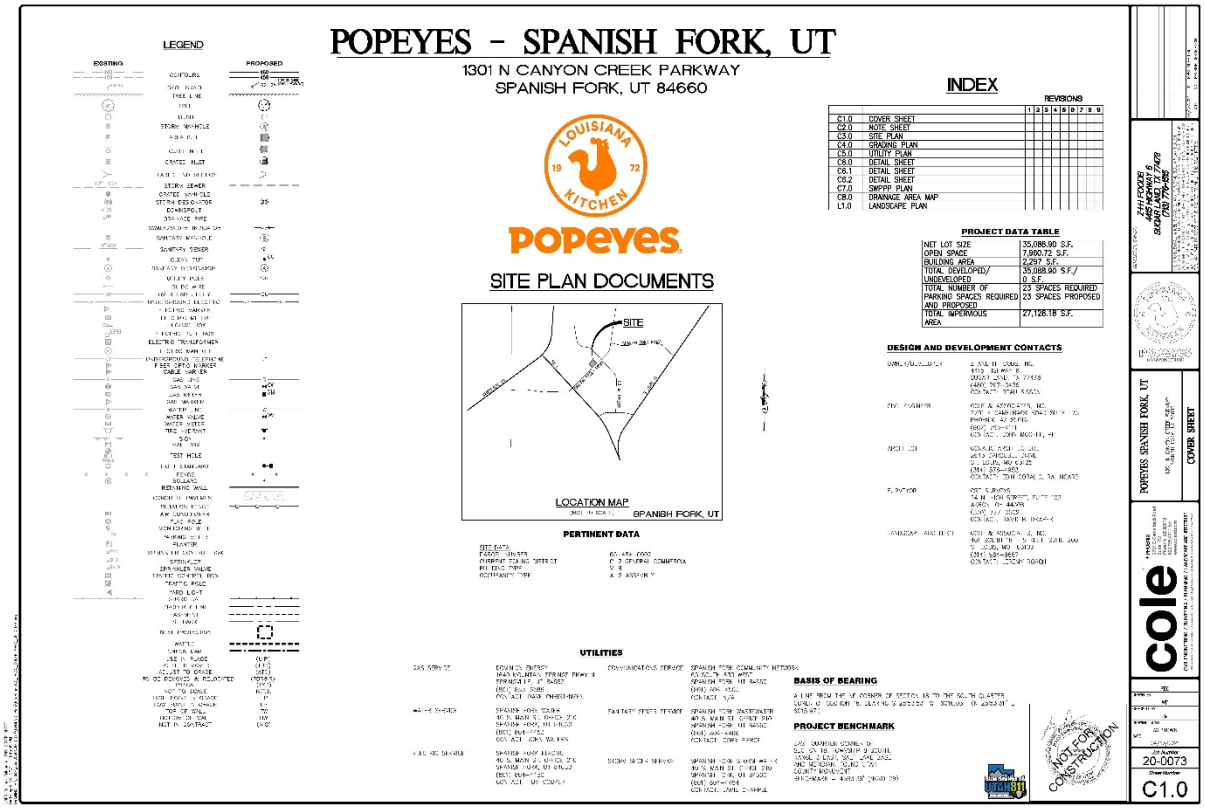
1. That the proposal is consistent with the City's General Plan Land Use Designation and Zoning Map.

Conditions

1. That the applicant meets the City's Zoning requirements and Construction Standards.
2. That the applicant addresses any red-lines.

Exhibits

1. Site Plan.
2. Building Elevations.
3. Landscaping Plan.
4. Site Photos



POPEYES - SPANISH FORK, UT

1301 N CANYON CREEK PARKWAY
SPANISH FORK, UT 84660

LOUISIANA KITCHEN 1972

POPEYES

SITE PLAN DOCUMENTS

LEGEND

EXISTING / PROPOSED

CONTOURS
SPOT ELEVATION
TREE LINE
HYDRANT
SIGN
STORM MANHOLE
AREA INLET
CURB INLET
GRATED INLET
CATCH BASIN W/ GRATE
STORM SEWER
GRATED CURB INLET
STORM DESIGNATOR
DOWNSPOUT
STORM SEWER PIPE
NON-FLOWING IRRIGATION
SANITARY MANHOLE
SANITARY SEWER
CLEAN OUT
SEWER DESIGNATOR
UTILITY PULL
OVERHEAD UTILITY
UNDERGROUND ELECTRIC
ELECTRIC BARRIER
ELECTRIC METER
ELECTRIC TRANSFORMER
ELECTRIC MANHOLE
UNDERGROUND TELEPHONE
FIBER OPTIC MARKER
CABLE MARKER
GAS LINE
GAS VALVE
GAS METER
WATER LINE
WATER VALVE
WATER METER
FIRE HYDRANT
SIGN
POST
TEST HOLE
EXISTING BUILDING
FENCE
BOLLARD
RETAINING WALL
CONCRETE PAVEMENT
FLAG POLE
CONCRETE
ASPHALT
PLANTER
IRRIGATION CONTROL BOX
SPRINKLER
SPRINKLER VALVE
DRIVE ENTRANCE SIGN
PARKING SPACE
HEAD LIGHT
STREET LIGHT
TRAFFIC LINE
ASPHALT
CURB RAMP
BUILDING ADDITION
WATTLE
CHECK DAM
LIMIT OF DISTURBANCE
CONSTRUCTION ENTRANCE
INLET PROTECTION
SILT FENCE
CONCRETE WASHOUT
TOP OF BERM
BOTTOM OF DAM
NOT IN CONTRACT

SITE

LOCATION MAP
SPANISH FORK, UT

PERTINENT DATA

SITE DATA
PARCEL ID(S)
CURRENT ZONING DISTRICT
BUILDING TYPE
PROPOSED USE

65-474-0002
C-2 GENERAL COMMERCIAL
V-B
A.P. ASSEMBLY

UTILITIES

GAS SERVICE	ENBRIDGE ENERGY 1640 WILDFIELD TERRACE PKWY # SPRINGFIELD, IL 62822 (800) 933-9581 POC ACT: DAVE CHRISTENSEN	COMMUNICATIONS SERVICE	SPANISH FORK COMMUNITY NETWORKS 40 SOUTH 300 WEST SPANISH FORK, UT 84660 (801) 804-4555 CONTACT: N/A
WATER SERVICE	SPANISH FORK CITY 80 N. MAIN ST. SPANISH FORK SPANISH FORK, UT 84660 (801) 804-4750 CONTACT: CORY WALKER	SANITARY SEWER SERVICE	SPANISH FORK WASTEWATER 40 N. MAIN ST. SPANISH FORK SPANISH FORK, UT 84660 (801) 804-4580 CONTACT: CORY PIERCE
ELECTRIC SERVICE	SPANISH FORK POWER 80 N. MAIN ST. SPANISH FORK SPANISH FORK, UT 84660 (801) 804-4750 CONTACT: TAY SIMPSON	STORM SEWER SERVICE	SPANISH FORK STORM WATER 80 N. MAIN ST. SPANISH FORK SPANISH FORK, UT 84660 (801) 804-4750 CONTACT: DARYL CAMPBELL

BASIS OF BEARING

A LINE FROM THE NE CORNER OF SECTION 18 TO THE SOUTH QUARTER CORNER OF SECTION 18 ASSUMED TO BEAR N 0°03'49" E 5313.41'.

PROJECT BENCHMARK

USA BENCHMARK CONSISTS OF
SEC 20 T8S R3E SLB&M
TYPE 2 BRASS CAP, 2006
AND MEASURE NORTH 0.2'
COUNTY SURVEYOR
BENCHMARK = ELEVATION 5160.230

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PROJECT DATA TABLE

NET LOT SIZE	35,086.90 S.F.
OPEN SPACE	7,960.72 S.F.
BUILDING AREA	2,297 S.F.
TOTAL DEVELOPED/ UNDEVELOPED	35,088.90 S.F./ 0 S.F.
TOTAL NUMBER OF PARKING SPACES REQUIRED AND PROPOSED	23 SPACES REQUIRED 23 SPACES PROPOSED
TOTAL IMPERMIOUS AREA	27,126.18 S.F.

DESIGN AND DEVELOPMENT CONTACTS

OWNER/DEVELOPER
2 AVE N
SUITE 210 WEST
SUGAR LAND, TX 77478
(480) 357-3478
POC FACT: TYLER KOCH

SITE PLANNER
ROSE & ASSOCIATES, INC.
705 E 2340 NORTH #242, PROVO, UT
PHONE: 801.376.9700
POC FACT: JOHN WOOTEN, PE

CIVIL ENGINEER
CORNERSTONE ASSOCIATES, INC.
4626 SIGSBEE DRIVE
ST. LOUIS, MO 63116
(314) 878-1983
POC FACT: TOM DONALD, TA MCKEE

SURVEYOR
CBT SURVEYS
74 N. 100 STREET, SUITE 103
ALPINE, UT 84004
(480) 247-2022
POC FACT: MARK HANSEN

LANDSCAPE ARCHITECT
COLE & ASSOCIATES, INC.
1545 SOUTH 115 EAST 2ND WAY
ST. LOUIS, MO 63122
(314) 487-1983
POC FACT: STEVE TONIOLO

NOT FOR CONSTRUCTION

cole

POPEYES SPANISH FORK, UT
COVER SHEET

Job Number 20-0073
Sheet Number C1.0



GENERAL NOTES

1. CALL BEFORE YOU DIG UTAH UTILITY LOCATION SERVICE 811.
2. ALL NEW UTILITIES WILL BE LOCATED UNDERGROUND.
3. ALL NEW OR TEMP. SIGNAGE SHALL COMPLY WITH APPLICABLE ORDINANCES.
4. ANY EXISTING MONUMENTATION DISTURBED OR DAMAGED FROM AVAILABLE RECORDS AND FIELD OBSERVED MONUMENTATION MUST BE COORDINATED WITH AND RESTORED TO SPECIFICATIONS AS REQUIRED BY THE CITY OF SPANISH FORK, UT. ANY SPECIAL NECESSARY TO RESTORE LANDSCAPING PLANTS IS AVAILABLE.
5. INFORMATION CONCERNING UNDERGROUND UTILITIES AND DRAWINGS FROM AVAILABLE RECORDS AND FIELD OBSERVED MARKS WHERE AVAILABLE. IT IS CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES AS REQUIRED BY THE CITY OF SPANISH FORK, UT.
6. THE CONTRACTOR SHALL INCLUDE IN THEIR CONTRACT PRICE THE REMOVAL AND DISPOSAL OF ANY DEBRIS TRENCH THEY DETERMINE IS NOT REQUIRED TO PERFORM THE WORK. THE CONTRACTOR SHALL NOTIFY THE CITY OF SPANISH FORK, UT. ANY SPECIAL NECESSARY TO RESTORE LANDSCAPING PLANTS IS AVAILABLE.
7. THE CONTRACTOR IS RESPONSIBLE FOR BUT IS NOT LIMITED TO, ALL REQUIRED/NECESSARY SHEETING, SHORING, BRACING, AND SPECIAL EXCAVATION EQUIPMENT NECESSARY FOR THE INSTALLATION OF THE WORK INDICATED ON THE DRAWINGS. SEE ABOVE* NO RESPONSIBILITY FOR THE DESIGN OF INSTALLATION METHODS.
8. THE CONTRACTOR SHALL VERIFY THE SIZE, INVERT, ETC. OF ALL EXISTING STORM DRAINS ARE OTHER UTILITIES PRIOR TO START OF WORK. THE CONTRACTOR SHALL BE INSTALLED INTO INFORMATION CONCERNING EXISTING SITE FEATURES HAS BEEN FIELD VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF WORK.
9. THE CONTRACTOR SHALL HAVE A SUPERVISOR PER ANY CONSTRUCTION, AGENCY REQUIRED AS NEEDED WORK TO.
10. THE CONTRACTOR SHALL REFER TO AND ABIDE BY A.L. FEDERAL DOCUMENTS AND GOVERNMENTAL AGENCY REGULATIONS/REPRESENTATIVES DIRECTIONS FOR ANY ADDITIONAL REQUIREMENTS OF THESE AGENCIES.
11. THE CONTRACTOR SHALL PROVIDE ALL INFORMATION AS-BUILTS, TESTING RESULTS, ETC., TO THE ENGINEER IN TIME TO REVIEW CERTIFICATIONS AS NEEDED FROM ALL STATE AND LOCAL OFFICIALS 48 H. MINIMUM OF 3 WEEKS PRIOR TO RECEIVING CERTIFICATE OF OCCUPANCY.

ENGINEER'S GENERAL NOTES

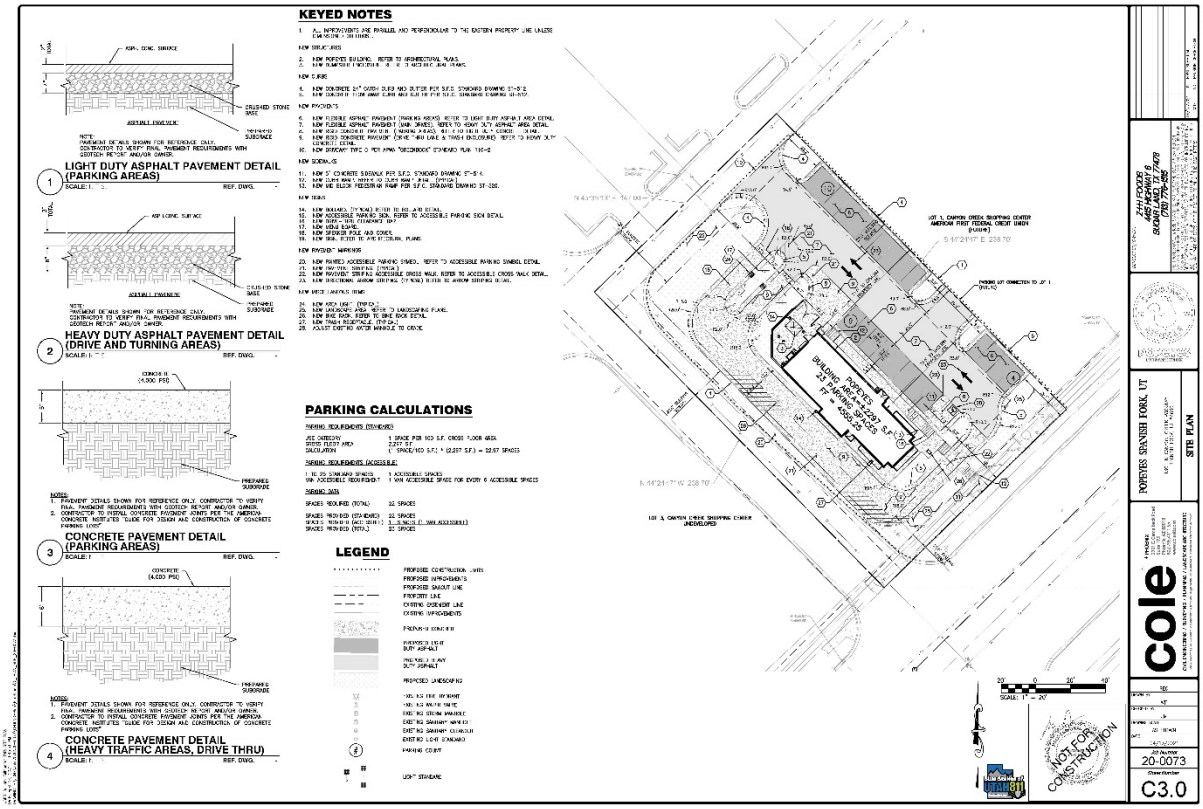
1. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY THE EXACT LOCATIONS AND ELEVATIONS, ELEVATIONS AND DATES OF ALL EXISTING UTILITIES, WHETHER SHOWN OR NOT SHOWN ON THIS PLAN, PRIOR TO THE START OF ANY EXCAVATIONS. THE ELEVATIONS AND/OR LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE TAKEN FROM RECORDS AND ARE NOT GUARANTEED TO BE CORRECT OR TO BE ALL INCLUSIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES BEFORE COMMENCING ANY WORK AND SHALL ASSUME THE ENTIRE RESPONSIBILITY FOR ANY AND ALL DAMAGES WHICH MAY OCCUR AS A RESULT OF HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
2. ALL HANDICAP PARKING STRIPING AND SYMBOLS TO BE PAINTED BLUE IN COLOR.
3. ALL MATERIALS AND METHODS OF CONSTRUCTION TO MEET THE CURRENT STANDARDS AND SPECIFICATIONS AS ADOPTED BY THE CITY OF SPANISH FORK, UT.
4. ALL GRADED AREAS SHALL BE PROTECTED FROM EROSION BY TEMPORARY CONTROL COVERS AND/OR SEEDING AND MULCHING. EROSION, SILTATION, AND WIND BLOWN DUST SHALL NOT BE LIMITED TO MAKE EXCAVATION AND FILL OPERATIONS, MAKING NECESSARY TEMPORARY AND PERMANENT PROVISIONS TO PREVENT SUCH CONDITIONS. THE CONTRACTOR SHALL PROVIDE SUFFICIENT EQUIPMENT AND MANPOWER TO IMMEDIATELY PROTECT EXPOSED SLOPES FROM ENTERING NATURAL STREAMS AND ADJACENT PROPERTIES. IMPROVEMENTS, AND WATERS.
5. PRIOR TO BEGINNING ANY WORK ON THIS SITE, THE CONTRACTOR SHALL CONTACT THE OFFICE OF THE CITY ENGINEER TO DETERMINE REQUIREMENTS FOR EROSION CONTROL AND SEEDING OF WORK.
6. GENERAL EXCAVATION SHALL INCLUDE ALL SITE EXCAVATION AND GRADING. ADDITIONAL EXCAVATION OR FILL SHOWN MAY BE REQUIRED AS DIRECTED BY THE CITY OF SPANISH FORK, UT OR BY DEVELOPER.
7. ALL RUNS AND BACKFILLS SHALL BE MADE OF SELECTED EARTH MATERIALS, FREE FROM ORGANIC MATERIAL, WOOD, FROZEN MATTER, CLINKERS, CINDERS, ASHES AND DEBRIS.
8. PRIOR TO LAYING CURB, GUTTER AND SIDEWALK, THE CONTRACTOR SHALL COMPACT THE SUBGRADE TO A MINIMUM OF 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D-698. CONTRACTOR TO GRADE ALL AREAS TO REQUIRED SUBGRADE.
9. ALL FILL PLACED FOR PROPOSED BUILDING AND SANITARY SEWER LINES AND/OR PAVED AREAS, AND ANY STORM DRAIN, SEWER MAIN, OR EXCAVATIONS TO BE BY MECHANICAL METHODS AS DETERMINED BY THE ENGINEER. COMPACTION SHALL BE DONE IN LAYERS NOT TO EXCEED 8" IN LOOSE DEPTH AND SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST METHOD (ASTM D-698). ALL TESTS SHALL BE VERIFIED BY A GEOTECHNICAL ENGINEER OR OTHER QUALIFIED PERSON WITH CHEMICAL AND BACTERIOLOGICAL EXPERIENCE.
10. A GRADING PERMIT IS REQUIRED PRIOR TO ANY GRADING ON THE SITE.
11. NO EXCAVATION IS REQUIRED IN UNKNOWN AREAS. STORM WATER DISPOSAL IN ACCORDANCE WITH THE CITY OF SPANISH FORK, UT. STANDARDS.
12. ALL STORM WATER TO BE DISCHARGED IN AN ADEQUATE MANNER, AS DIRECTED BY THE CITY OF SPANISH FORK, UT.
13. ALL PROPOSED UTILITIES ON THE SITE MUST BE LOCATED UNDERGROUND.
14. ALL EXISTING CURB, GUTTER, SIDEWALK, AND SEWER IMPROVEMENTS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE REPLACED WITH NEW IMPROVEMENTS OF EQUAL OR BETTER QUALITY AND CONDITION AS THOSE REMOVED OR DAMAGED.
15. ALL EXISTING STORM DRAIN, SEWER AND WATER LINES, MANHOLES, VALVES, FIRE HYDRANTS, ETC. WITHIN THE PROJECT AREA SHALL BE ADJUSTED TO FINISH GRADE AS REQUIRED BY THE CITY OF SPANISH FORK, UT. STANDARDS.
16. ALL EXISTING CURB, GUTTER, SIDEWALK, AND SEWER IMPROVEMENTS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE REPLACED WITH NEW IMPROVEMENTS OF EQUAL OR BETTER QUALITY AND CONDITION AS THOSE REMOVED OR DAMAGED.
17. ALL STORM WATER TO BE DISCHARGED IN AN ADEQUATE MANNER, AS DIRECTED BY THE CITY OF SPANISH FORK, UT.
18. ALL PROPOSED UTILITIES ON THE SITE MUST BE LOCATED UNDERGROUND.
19. ANY EXISTING CURB, GUTTER, SIDEWALK, AND SEWER IMPROVEMENTS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE REPLACED WITH NEW IMPROVEMENTS OF EQUAL OR BETTER QUALITY AND CONDITION AS THOSE REMOVED OR DAMAGED.
20. ALL EXISTING STORM DRAIN, SEWER AND WATER LINES, MANHOLES, VALVES, FIRE HYDRANTS, ETC. WITHIN THE PROJECT AREA SHALL BE ADJUSTED TO FINISH GRADE AS REQUIRED BY THE CITY OF SPANISH FORK, UT. STANDARDS.
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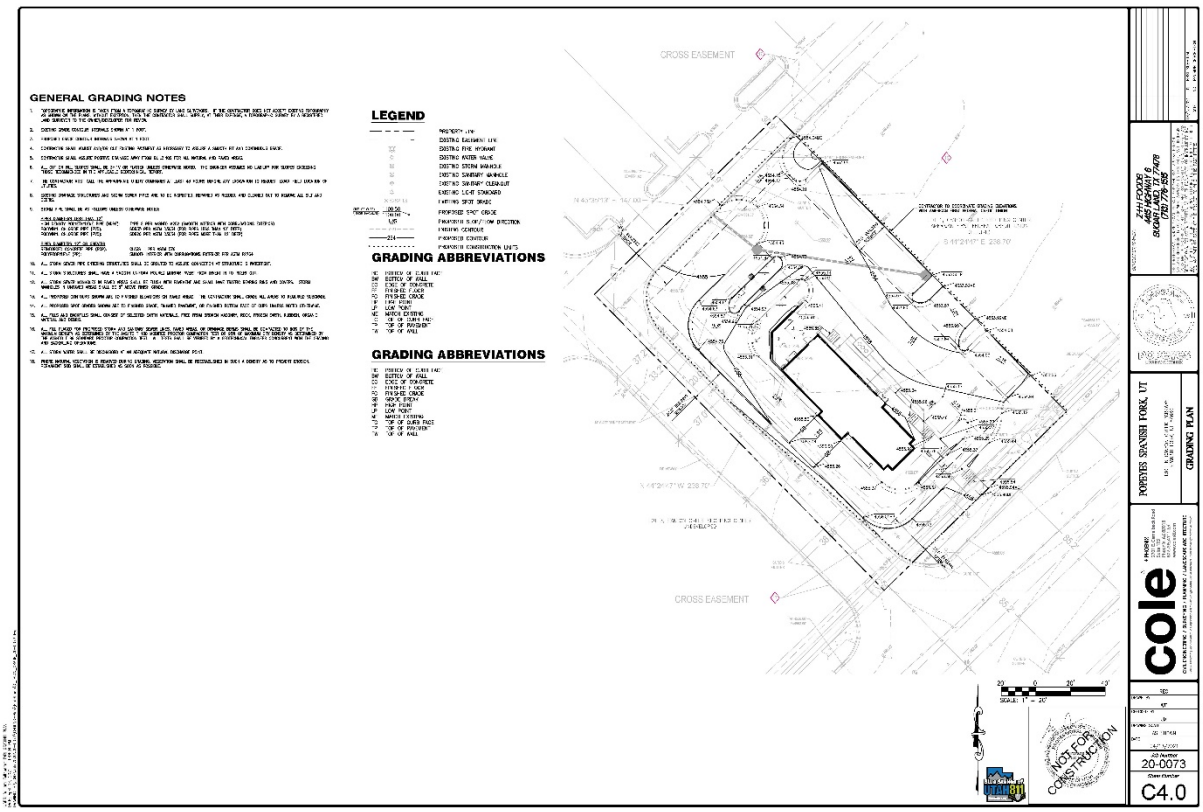
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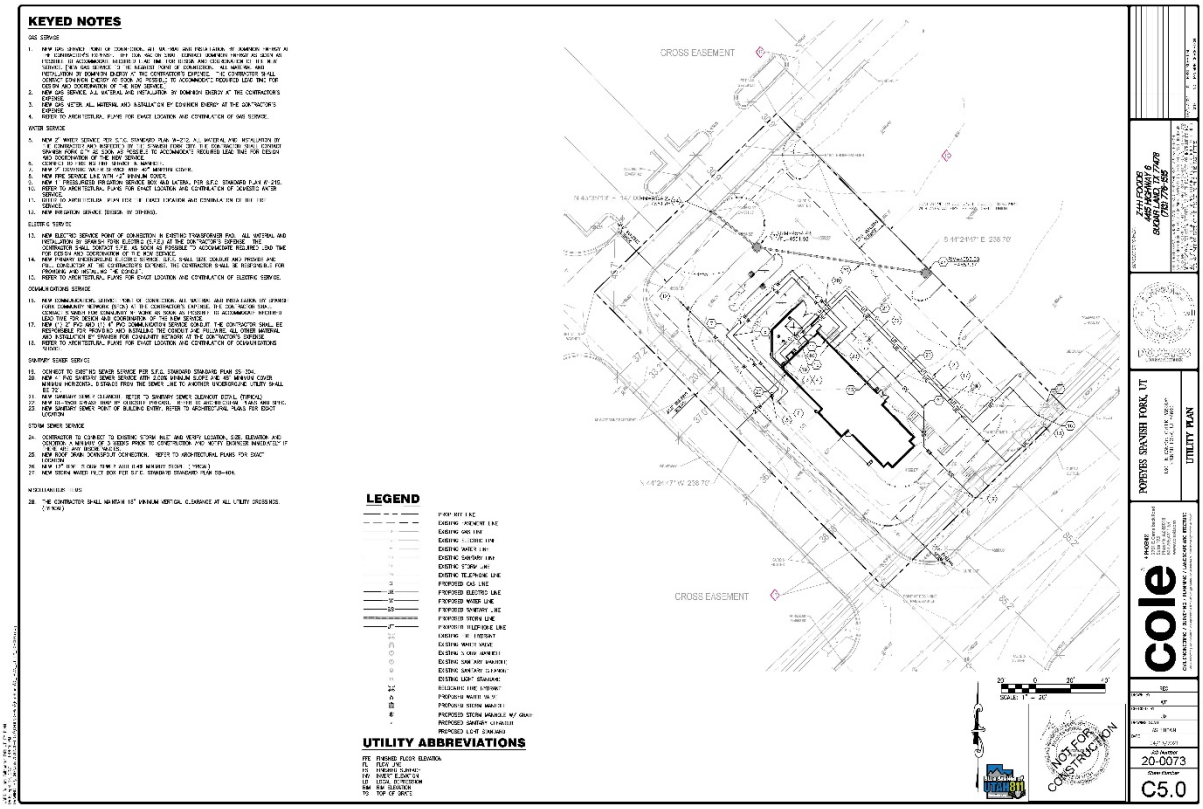
cole

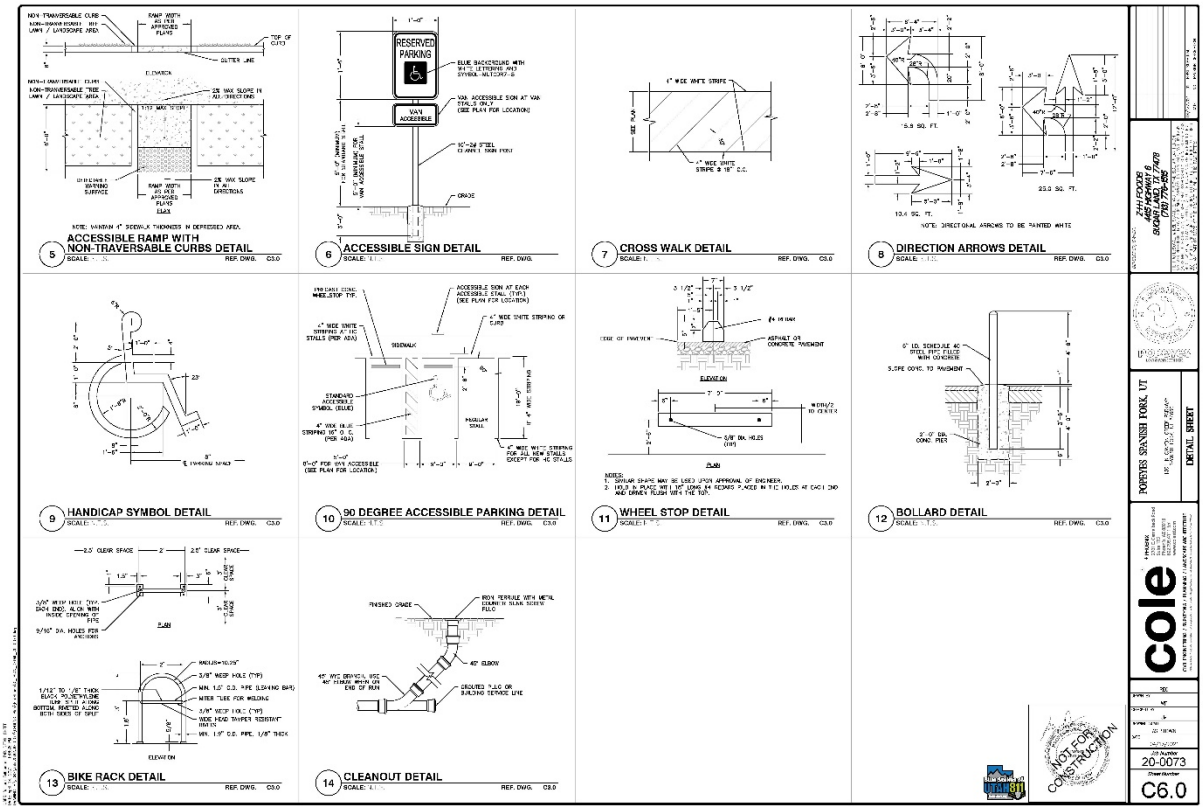
POPEYES SPANISH FORK, UT
NOTE SHEET

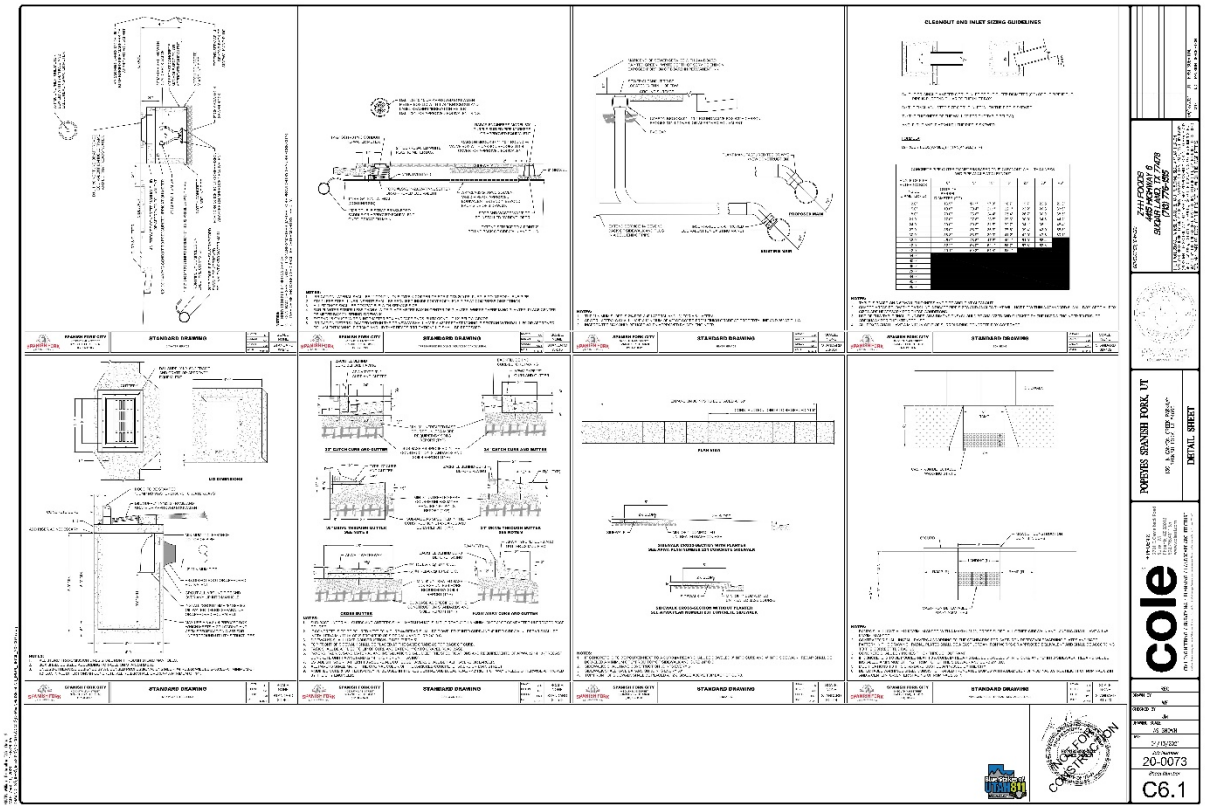
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Sheet Number C2.0

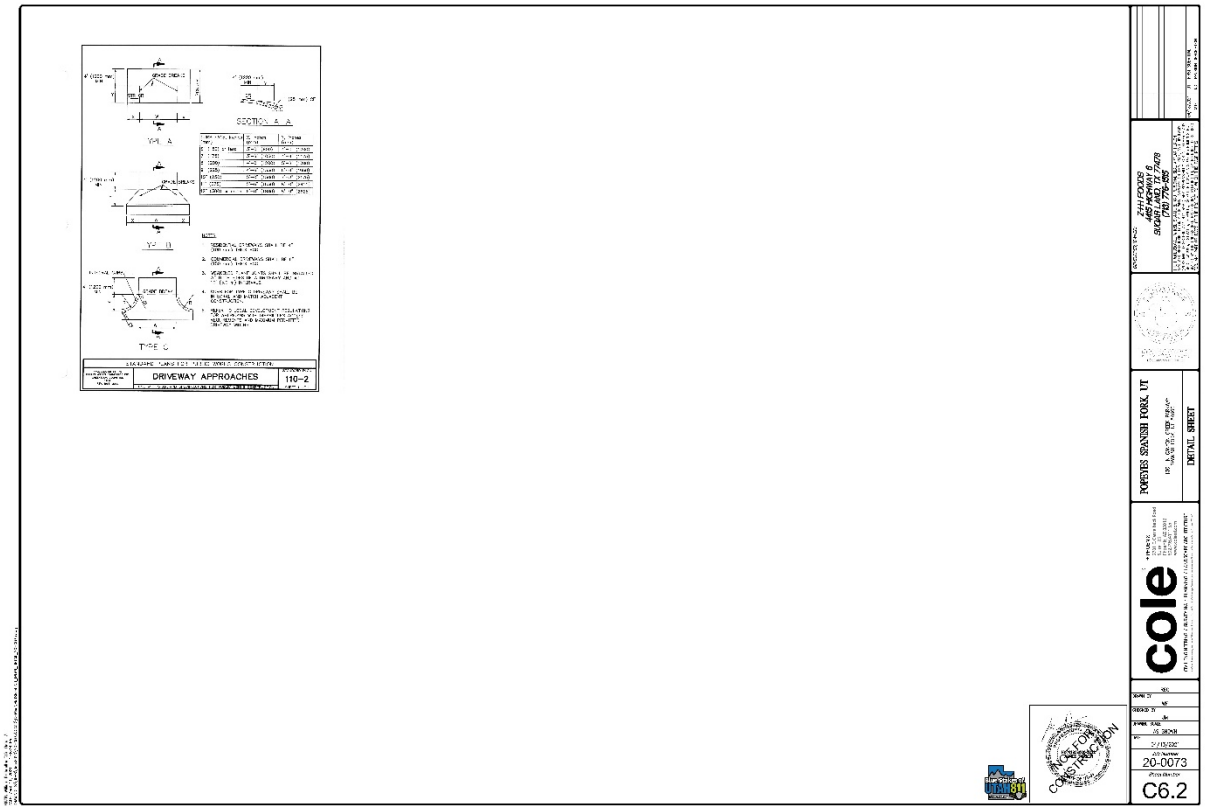

KEYED NOTES
PARKING CALCULATIONS
LEGEND
LIGHT DUTY ASPHALT PAVEMENT DETAIL (PARKING AREAS)
HEAVY DUTY ASPHALT PAVEMENT DETAIL (DRIVE AND TURNING AREAS)
CONCRETE PAVEMENT DETAIL (PARKING AREAS)
CONCRETE PAVEMENT DETAIL (HEAVY TRAFFIC AREAS, DRIVE THRU)
BUILDING AREA = 2,237 S.F.
PARKING SPACES 23 PARKING SPACES @ 2,237 S.F. = 4,000 S.F.
NOT FOR CONSTRUCTION
C3.0

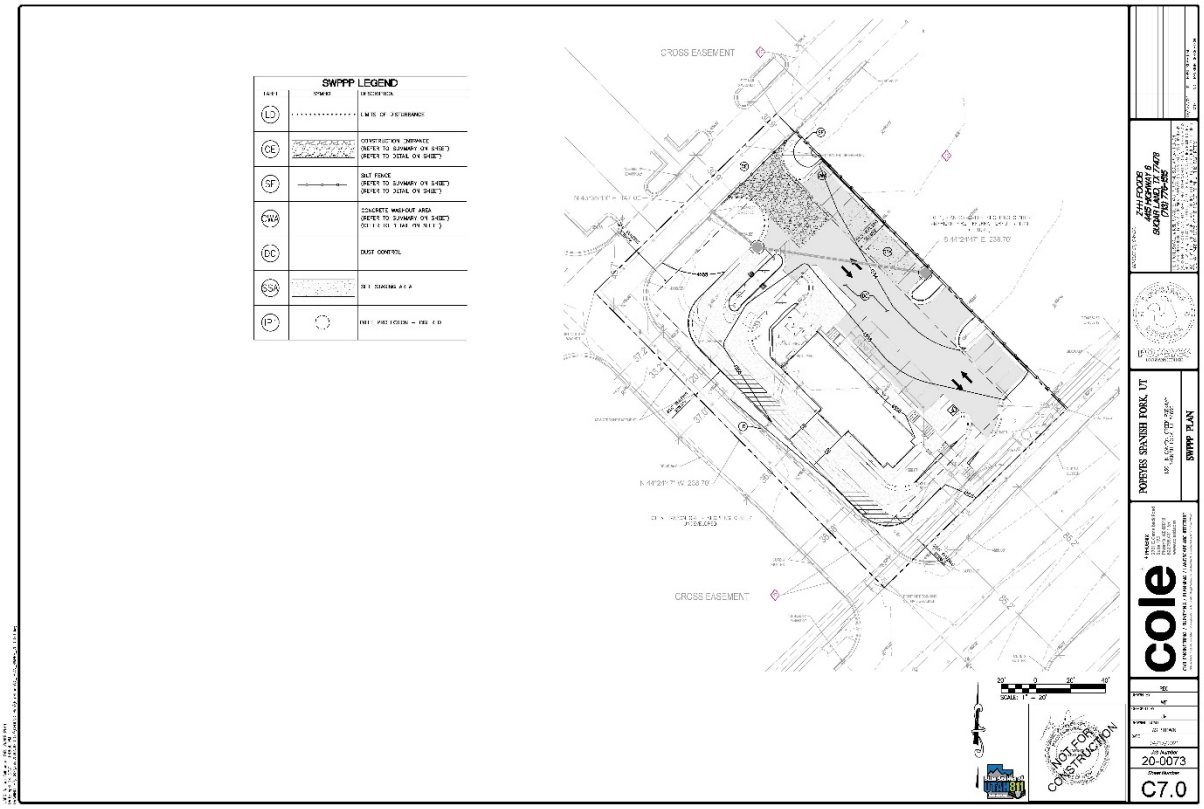

GENERAL GRADING NOTES
LEGEND
GRADING ABBREVIATIONS
GRADING ABBREVIATIONS
CROSS EASEMENT
CROSS EASEMENT
NOT FOR CONSTRUCTION
C4.0

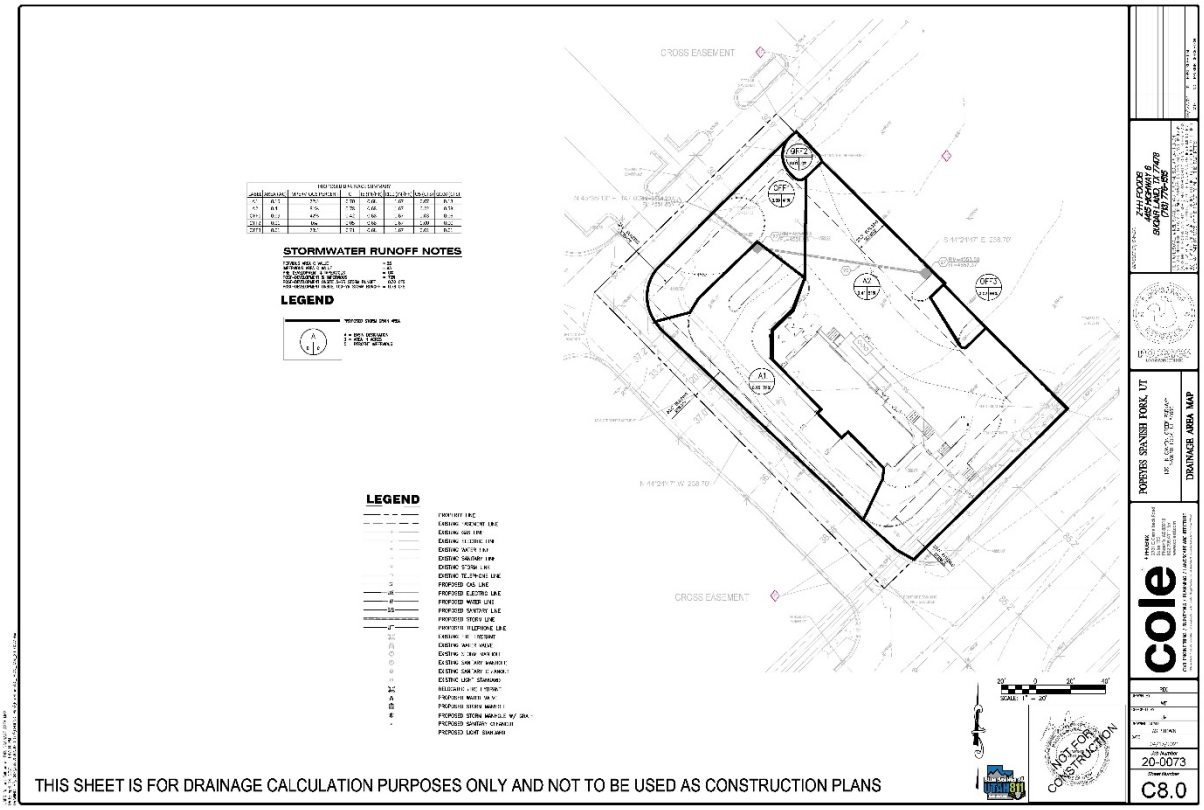

KEYED NOTES
LEGEND
UTILITY ABBREVIATIONS
CROSS EASEMENT
CROSS EASEMENT
POREVERS SPANISH FORK, UT
UTILITY PLAN
cole
20-0073
C5.0
NOT FOR CONSTRUCTION


ACCESSIBLE RAMP WITH NON-TRAVERSABLE CURBS DETAIL
ACCESSIBLE SIGN DETAIL
CROSS WALK DETAIL
DIRECTION ARROWS DETAIL
HANDICAP SYMBOL DETAIL
90 DEGREE ACCESSIBLE PARKING DETAIL
WHEEL STOP DETAIL
BOLLARD DETAIL
BIKE RACK DETAIL
CLEANOUT DETAIL
POREVERS SPANISH FORK, UT
DETAIL SHEET
cole
20-0073
C6.0
NOT FOR CONSTRUCTION


CLEANOUT AND INLET SIZING GUIDELINES
STANDARD DRAWING
POWDERS SPANISH FORK, UT
DETAIL SHEET
cole
FOR CONSTRUCTION
20-0073
C6.1


SECTION A-A
TYPE A
TYPE D
DRIVEWAY APPROACHES
110-2
POWDERS SPANISH FORK, UT
DETAIL SHEET
cole
FOR CONSTRUCTION
20-0073
C6.2


SWPPP LEGEND
CROSS EASEMENT
CROSS EASEMENT
POWDERS SPANISH FORK, UT
SWPPP PLAN
cole
NOT FOR CONSTRUCTION
20-0073
C7.0


STORMWATER RUNOFF NOTES
LEGEND
LEGEND
CROSS EASEMENT
CROSS EASEMENT
POWDERS SPANISH FORK, UT
DRAINAGE AREA MAP
cole
NOT FOR CONSTRUCTION
20-0073
C8.0
THIS SHEET IS FOR DRAINAGE CALCULATION PURPOSES ONLY AND NOT TO BE USED AS CONSTRUCTION PLANS

POPEYES LOUISIANA KITCHEN



STONE VENEER - ELDORADO ROUGH CUT SERIES - 20% MOONLIGHT, 80% AUTUMN LEAF

#3034 Muslin

EIFS - EP-1 (UPPER FACADE)

#3106 Concord

EIFS - EP-2 (ACCENT AND METAL COPING TO MATCH)

#342 Parchment

EIFS - EP-3 (BASE FACADE)

PREFINISHED ALUMINUM DOORS AND GOOSENECK LIGHTS

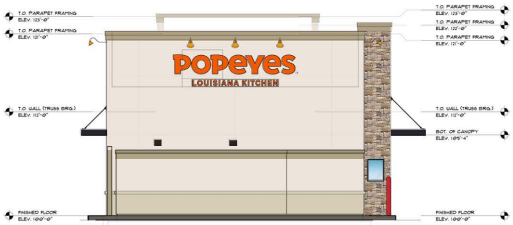
ALL CANOPIES EXCEPT DRIVE-THRU CANOPY AND MAIN ENTRANCE CANOPY (DOUBLE DOOR) WHICH ARE BLACK

ALUMINUM STOREFRONT FRAMES- DARK BRONZE

PREFINISHED METAL SHUTTERS- TEAL



SOUTH ELEVATION



NORTH ELEVATION W/ ATTACHED TRASH ENCLOSURE



NORTH ELEVATION W/O TRASH ENCLOSURE

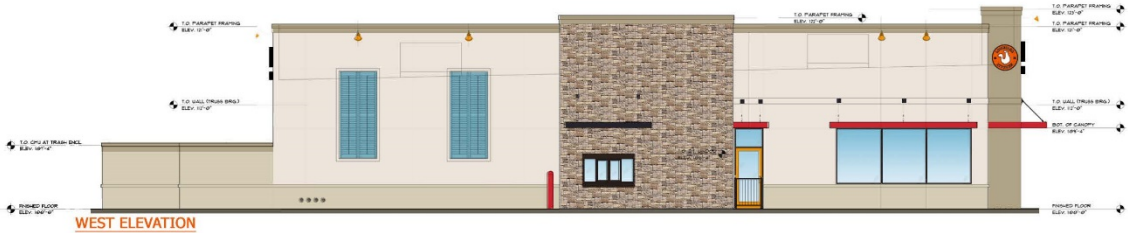
CORALIC ARCHITECTURE
EDIN CORALIC
2643 CAROUSEL DRIVE,
ST. LOUIS, MISSOURI 63125
WWW.CORALICARCHITECTURE.COM
PH. 314-578-4953

1311 N. CANYON CREEK PKWY., SPANISH FORK, UTAH

02-17-2021



EAST ELEVATION

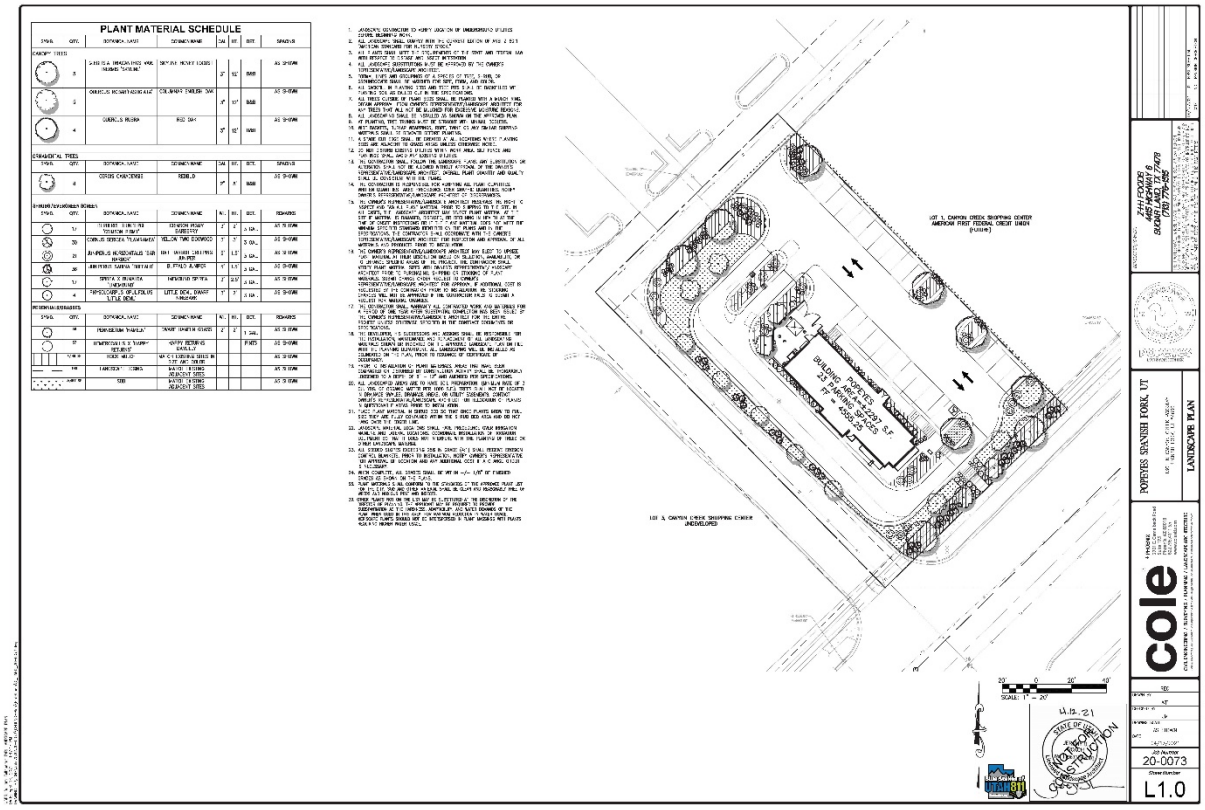


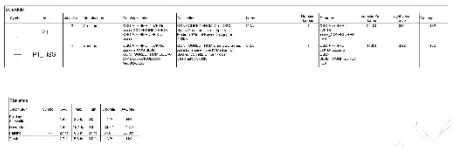
WEST ELEVATION

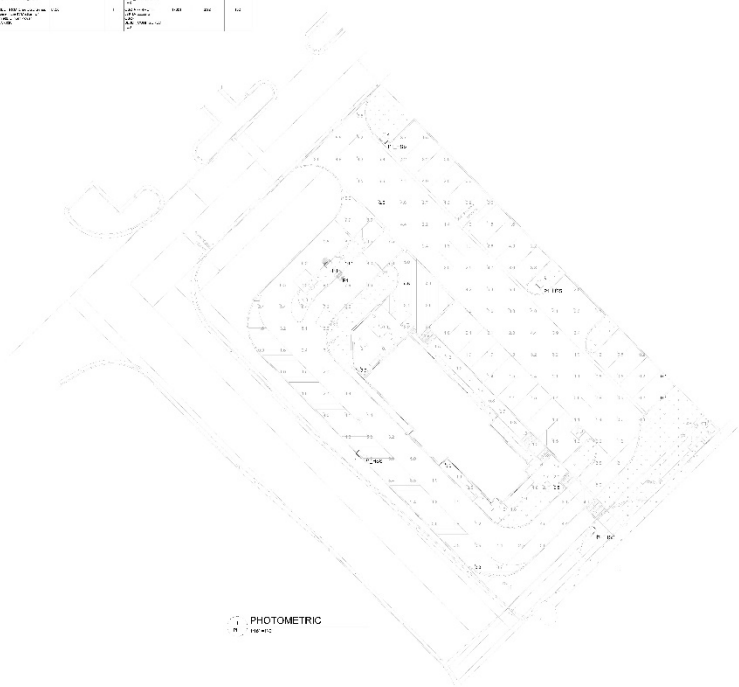
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EDIN CORALIC
2643 CAROUSEL DRIVE,
ST. LOUIS, MISSOURI 63125
WWW.CORALICARCHITECTURE.COM
PH. 314-578-4953

1311 N. CANYON CREEK PKWY., SPANISH FORK, UTAH

02-17-2021







CORALIC

NEW CONSTRUCTION FOR:
POPEYES L.K.
1311 N CANYON CREEK PKWY
SPANISH FORK, UT 84660

SITE PHOTOMETRIC PLAN

PH1





POPEYES - SPANISH FORK, UT

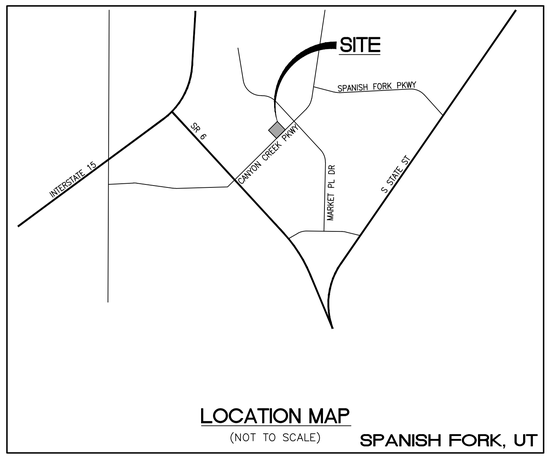
1301 N CANYON CREEK PARKWAY
SPANISH FORK, UT 84660

LEGEND

EXISTING		PROPOSED
460 / 459	CONTOURS	460 / 459
+620.15	SPOT GRADE	621.25 (TOP OF CURB) (FINISH PAVEMENT)
	TREE LINE	
8"	TREE	
	BUSH	
	STORM MANHOLE	
	AREA INLET	
	CURB INLET	
	GRATED INLET	
	FLARED END SECTION	
12" RCP	STORM SEWER	
	GRATED MANHOLE	
69	STORM DESIGNATOR	22
DS	DOWNSPOUT	
DP	DRAINAGE PIPE	
	SWALE/SLOPE INDICATOR	
S	SANITARY MANHOLE	
8"VCP	SANITARY SEWER	SS
	CLEAN OUT	CO
A	SANITARY DESIGNATOR	A
	UTILITY POLE	
	GUIDE WIRE	
OU	OVERHEAD UTILITY	OU
UE	UNDERGROUND ELECTRIC	UE
	ELECTRIC MARKER	
	ELECTRIC METER	
	ELECTRIC BOX	
EPB	ELECTRIC PULL BOX	
	ELECTRIC TRANSFORMER	
E	ELECTRIC MANHOLE	
UT	UNDERGROUND TELEPHONE	UT
	FIBER OPTIC MARKER	
	CABLE MARKER	
G	GAS LINE	G
	GAS VALVE	GV
	GAS METER	GM
	GAS MARKER	
W	WATER LINE	W
	WATER VALVE	WV
WM	WATER METER	
	FIRE HYDRANT	
	SIGN	
	MAIL BOX	
B-1 405.5	TEST HOLE	
	LIGHT STANDARD	
X	FENCE	X
B	BOLLARD	
	RETAINING WALL	
	CONCRETE PAVEMENT	
	SILTATION FENCE	
AC	AIR CONDITIONER	
	FLAG POLE	
	MONITORING WELL	
PM	PARKING METER	
	PLANTER	
SCB	SPRINKLER CONTROL BOX	
SHD	SPRINKLER	
SVLV	SPRINKLER VALVE	
TCB	TRAFFIC CONTROL BOX	
	TRAFFIC POLE	
	YARD LIGHT	
	GUARD RAIL	
	PROPERTY LINE	
	EASEMENT	
	SETBACK	
	INLET PROTECTION	
	WATTLE	
	CHECK DAM	

USE IN PLACE	(UIP)
TO BE REMOVED	(TBR)
ADJUST TO GRADE	(ATG)
TO BE REMOVED & RELOCATED	(TBR&R)
TYPICAL	(TYP)
NOT TO SCALE	N.T.S.
HIGH POINT IN GRADE	HP
LOW POINT IN GRADE	LP
TOP OF WALL	TW
BOTTOM OF WALL	BW
NOT IN CONTRACT	(NIC)

SITE PLAN DOCUMENTS



LOCATION MAP
(NOT TO SCALE) SPANISH FORK, UT

PERTINENT DATA

SITE DATA

PARCEL NUMBER	65-484-0002
CURRENT ZONING DISTRICT	C-2 GENERAL COMMERCIAL
BUILDING TYPE	V-B
OCCUPANCY TYPE	A-2 ASSEMBLY

UTILITIES

GAS SERVICE	DOMINION ENERGY 1640 MOUNTAIN SPRINGS PKWY N SPRINGVILLE, UT 84663 (801) 853-6586 CONTACT: DAVE CHRISTENSEN	COMMUNICATIONS SERVICE	SPANISH FORK COMMUNITY NETWORK 65 SOUTH 630 WEST SPANISH FORK, UT 84660 (801) 804-4503 CONTACT: N/A
WATER SERVICE	SPANISH FORK WATER 40 S. MAIN ST. OFFICE 210 SPANISH FORK, UT 84660 (801) 804-4453 CONTACT: JOHN WATERS	SANITARY SEWER SERVICE	SPANISH FORK WASTEWATER 40 S. MAIN ST. OFFICE 210 SPANISH FORK, UT 84660 (801) 804-4466 CONTACT: CORY PIERCE
ELECTRIC SERVICE	SPANISH FORK ELECTIC 40 S. MAIN ST. OFFICE 210 SPANISH FORK, UT 84660 (801) 804-4430 CONTACT: TOM COOPER	STORM SEWER SERVICE	SPANISH FORK STORM WATER 40 S. MAIN ST. OFFICE 210 SPANISH FORK, UT 84660 (801) 804-4454 CONTACT: JAMIE CHAPPEL

BASIS OF BEARING

A LINE FROM THE NE CORNER OF SECTION 18 TO THE SOUTH QUARTER CONER OF SECTION 18. BEARING S 25°53'53" W 6016.03' (N 25°53'31" E 6015.97')

PROJECT BENCHMARK

EAST QUARTER CORNER OF
SECTION 18, TOWNSHIP 8 SOUTH,
RANGE 3 EAST, SALT LAKE BASE
AND MERIDIAN, FOUND UTAH
COUNTY MONUMENT
BENCHMARK = 4583.39' (NGVD 29)

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C3.0	SITE PLAN									
C4.0	GRADING PLAN									
C5.0	UTILITY PLAN									
C6.0	DETAIL SHEET									
C6.1	DETAIL SHEET									
C6.2	DETAIL SHEET									
C7.0	SWPPP PLAN									
C8.0	DRAINAGE AREA MAP									
L1.0	LANDSCAPE PLAN									

PROJECT DATA TABLE

NET LOT SIZE	35,088.90 S.F.
OPEN SPACE	7,960.72 S.F.
BUILDING AREA	2,297 S.F.
TOTAL DEVELOPED/ UNDEVELOPED	35,088.90 S.F./ 0 S.F.
TOTAL NUMBER OF PARKING SPACES REQUIRED AND PROPOSED	23 SPACES REQUIRED 23 SPACES PROPOSED
TOTAL IMPERVIOUS AREA	27,128.18 S.F.

DESIGN AND DEVELOPMENT CONTACTS

OWNER/DEVELOPER	Z AND H FOODS, INC. 4415 HIGHWAY 6 SUGAR LAND, TX 77478 (480) 797-0436 CONTACT: BEAU SISSON
CIVIL ENGINEER	COLE & ASSOCIATES, INC. 2701 E CAMELBACK ROAD SUITE 175 PHOENIX, AZ 85016 (602) 795-4111 CONTACT: JOHN MCGHEE, PE
ARCHITECT	CORALIC ARCHITECTURE 2643 CAROUSEL DRIVE ST. LOUIS, MO 63125 (314) 578-4953 CONTACT: EDIN CORALIC, RA, NCARB
SURVEYOR	CRE SURVEYS 24 N. HIGH STREET, SUITE 103 AKRON, OH 44308 (330) 777-0502 CONTACT: DAVID B. DRAPER
LANDSCAPE ARCHITECT	COLE & ASSOCIATES, INC. 401 SOUTH 18TH STREET, SUITE 200 ST LOUIS, MO 63103 (314) 984-9887 CONTACT: JEREMY ROACH

Blue Stakes of UTAH 811 — Know what's below. Call before you dig.

NOT FOR CONSTRUCTION

DEVELOPER/OWNER:
Z+H FOODS
4415 HIGHWAY 6
SUGAR LAND, TX 77478
(713) 776-1515

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS RESPONSIBILITY TO ANY AND ALL USES OF THESE PLANS, SPECIFICATIONS, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO, OR INTENDED TO BE USED ON, ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

NO	DATE	REVISION DESCRIPTION
01	04/13/2021	FIRST SUBMITTAL

POPEYES SPANISH FORK, UT
1301 N CANYON CREEK PARKWAY
SPANISH FORK, UT 84660

COVER SHEET

cole®
+ PHOENIX
2701 E. Camelback Road
Suite 175
Phoenix, AZ 85016
602.795.4111 tel
www.cole360.com
CIVIL ENGINEERING / SURVEYING / PLANNING / LANDSCAPE ARCHITECTURE
Cole & Associates, Inc. is a Missouri Corporation d.b.a. Cole Design Group, Inc. in Arizona & Texas herein referred to as "Cole"

DRAWN BY	REG
CHECKED BY	WF
DRAWING SCALE	JM
DATE	AS SHOWN
Job Number	04/13/2021
	20-0073
Sheet Number	C1.0

USER: William Fellhoelter TAB: COVER SHEET
DATE: April 14, 2021 - 1:45:19 PM
DRAWING: S:\JOBS\Jobs2020\20-0073\CAD\C-Plan\Plot\Sheets\0_JPLAN_COVER-SPEC_20-0073.dwg

GENERAL NOTES

1. CALL BEFORE YOU DIG: UTAH UTILITY LOCATION SERVICE 811.
2. ALL NEW UTILITIES WILL BE LOCATED UNDERGROUND.
3. ALL WORK SHALL CONFORM TO CITY PLAN STANDARDS.
4. ALL CURB/ADA RAMP DESIGNS SHALL CONFORM TO ADA, STATE ACCESSIBILITY CODE OR CITY OF SPANISH FORK STANDARDS, WHICHEVER IS MORE STRINGENT.
5. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS AND FIELD CONDITIONS WHEN POSSIBLE, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF TRENCHING.
6. THE CONTRACTOR SHALL INCLUDE IN THEIR CONTRACT PRICE THE REMOVAL AND DISPOSAL OF ANY EXCESS TOPSOIL THEY DETERMINE IS NOT REQUIRED TO PERFORM THE FINAL GRADING AND LANDSCAPING OPERATION. THE CONTRACTOR MUST ALSO BRING IN ANY TOPSOIL NECESSARY TO PERFORM LANDSCAPING IF NONE IS AVAILABLE.
7. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL REQUIRED/NECESSARY SHEETING, SHORING, BRACING, AND SPECIAL EXCAVATION MEASURES REQUIRED ON THE PROJECT TO MEET OSHA, FEDERAL, STATE, AND LOCAL REGULATIONS PURSUANT TO THE INSTALLATION OF THE WORK INDICATED ON THE DRAWINGS. COLE ACCEPT NO RESPONSIBILITY FOR THE DESIGN TO INSTALL SAID ITEMS.
8. THE CONTRACTOR SHALL VERIFY THE SIZE, INVERT, ETC. OF ALL EXISTING STORM DRAINS AND OTHER FEATURES PRIOR TO START OF WORK. NO PIPE SHALL BE INSTALLED UNTIL INFORMATION CONCERNING EXISTING SITE FEATURES HAS BEEN FIELD VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO THE START OF WORK.
9. THE CONTRACTOR SHALL HIRE A SURVEYOR FOR ANY GOVERNMENTAL AGENCY REQUIRED AS-BUILT SURVEYS.
10. THE CONTRACTOR SHALL REFER TO AND ABIDE BY ALL PERMIT DOCUMENTS AND GOVERNMENTAL AGENCY INSPECTIONS/REPRESENTATIVES DIRECTIONS FOR ANY ADDITIONAL REQUIREMENTS OF SAID AGENCIES.
11. THE CONTRACTOR SHALL PROVIDE ALL INFORMATION, AS-BUILTS, TESTING RESULTS, ETC., TO THE ENGINEER IN TIME TO OBTAIN CERTIFICATIONS AS NEEDED FROM ALL STATE AND LOCAL OFFICIALS AT A MINIMUM OF 3 WEEKS PRIOR TO NEEDING CERTIFICATE OF OCCUPANCY.

ENGINEER'S GENERAL NOTES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXACT HORIZONTAL AND VERTICAL LOCATIONS AND SIZES OF ALL EXISTING UTILITIES, WHETHER SHOWN OR NOT SHOWN ON THIS PLAN, PRIOR TO THE START OF ANY CONSTRUCTION. THE ENGINEER HAS NOT FIELD VERIFIED THE EXISTING UTILITIES. THE UTILITIES SHOWN ON THIS PLAN HAVE BEEN TAKEN FROM RECORDS AND UTILITY MAPS MADE AVAILABLE TO THE ENGINEER AND THE LOCATIONS AND SIZES SHALL BE CONSIDERED APPROXIMATE ONLY. OTHER UTILITIES, NOT SHOWN ON THIS PLAN, MAY EXIST ON OR NEAR THE SITE.
2. ALL HANDICAP PARKING STRIPING AND SYMBOLS TO BE PAINTED BLUE IN COLOR.
3. ALL MATERIALS AND METHODS OF CONSTRUCTION TO MEET THE CURRENT STANDARDS AND SPECIFICATIONS AS REQUIRED BY THE CITY OF SPANISH FORK, UT.
4. ALL GRADED AREAS SHALL BE PROTECTED FROM EROSION BY EROSION CONTROL DEVICES AND/OR SEEDING AND MULCHING. EROSION CONTROL SHALL NOT BE LIMITED TO WHAT IS SHOWN ON THE PLAN. WHATEVER MEANS NECESSARY SHALL BE TAKEN TO PREVENT SILTATION AND EROSION FROM FROM ENTERING NATURAL STREAMS AND ADJACENT ROADWAYS, PROPERTIES, AND DITCHES.
5. PRIOR TO BEGINNING ANY WORK ON THE SITE, THE CONTRACTOR SHALL CONTACT THE OFFICE OF THE DEVELOPER FOR SPECIFIC INSTRUCTIONS RELEVANT TO THE SEQUENCING OF WORK.
6. GRADING CONTRACTOR SHALL INSTALL SILTATION CONTROL PRIOR TO STARTING THE GRADING. ADDITIONAL SILTATION CONTROL DEVICES MAY BE REQUIRED AS DIRECTED BY THE CITY OF SPANISH FORK, UT. OR THE DEVELOPER.
7. ALL FILLS AND BACKFILLS SHALL BE MADE OF SELECTED EARTH MATERIALS, FREE FROM BROKEN MASONRY, ROCK, FROZEN EARTH, RUBBISH, ORGANIC MATERIAL AND DEBRIS.
8. PROPOSED CONTOURS SHOWN ARE FINISHED ELEVATIONS ON PAVED AREAS. CONTRACTOR TO GRADE ALL AREAS TO REQUIRED SUBGRADE.
9. ALL FILL PLACED FOR PROPOSED STORM AND SANITARY SEWER LINES AND/OR PAVED AREAS, AND FOR DRAINAGE BERMS SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO T-180 COMPACTION TEST OR 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-99. ALL TEST SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS.
10. A GRADING PERMIT IS REQUIRED PRIOR TO ANY GRADING ON THE SITE.
11. THE DEVELOPER IS REQUIRED TO PROVIDE ADEQUATE STORM-WATER SYSTEMS IN ACCORDANCE WITH THE CITY OF SPANISH FORK, UT. STANDARDS.
12. ALL STORM-WATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT.
13. ALL PROPOSED UTILITIES ON THIS SITE MUST BE LOCATED UNDERGROUND.
14. THE GENERAL CONTRACTOR SHALL FLAG ALL SANITARY AND STORM SEWER STRUCTURES WITH A 2X4 PAINTED ORANGE AND MARKED TO READ "STORM SEWER STRUCTURE OR SANITARY SEWER STRUCTURE DO NOT BURY".
15. SAFETY NOTICE TO CONTRACTOR: IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS.
16. NO MONUMENT SIGNS OR THEIR PROPOSED LOCATIONS CAN BE APPROVED WITH THESE DOCUMENTS. A SEPARATE SIGN APPLICATION MUST BE SUBMITTED TO THE DEPARTMENT OF COMMUNITY DEVELOPMENT FOR REVIEW AND APPROVAL.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RAZING AND REMOVAL OF THE EXISTING STRUCTURES, INCLUDING FOUNDATIONS, RELATED UTILITIES, PAVING, UNDERGROUND FACILITIES AND ANY OTHER EXISTING IMPROVEMENTS.
18. CONTRACTOR IS TO REMOVE AND DISPOSE OF, OFF SITE, ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS.
19. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO ADJACENT PROPERTIES DURING ALL PHASES OF THIS DEMOLITION PLAN.
20. DISPOSAL OF MATERIAL ON-SITE WILL ONLY BE ALLOWED AS DIRECTED BY THE OWNER AND GEOTECHNICAL ENGINEER AND APPROVED BY THE CITY OF SPANISH FORK, UT. PUBLIC WORKS DEPARTMENT.
21. THE SITE IMPROVEMENT PLANS APPROVED BY THE CITY OF SPANISH FORK, UT. DOES NOT ALLOW THE REMOVAL OR CONSTRUCTION OF ANY SANITARY OR STORM SEWER LINES WITHOUT THE PRIOR APPROVAL OR CONSENT OF THE CITY OF SPANISH FORK, UT.
22. THE CONTRACTOR SHALL RESTORE OFFSITE CONSTRUCTION AREAS TO AN EQUAL OR BETTER CONDITION THAN EXISTED PRIOR TO THE COMMENCEMENT OF WORK
23. ALL EXCAVATIONS, GRADING, OR FILLING SHALL HAVE A FINISHED GRADE NOT TO EXCEED A 3:1 SLOPE (33 PERCENT). STEEPER GRADES MAY BE APPROVED BY THE DESIGNATED OFFICIAL IF THE EXCAVATION IS THROUGH ROCK OR THE EXCAVATION OR THE FILL IS ADEQUATELY PROTECTED (A DESIGNED HEAD WALL OR TOE WALL MAY BE REQUIRED). RETAINING WALLS THAT EXCEED A HEIGHT OF FOUR (4) FEET SHALL REQUIRE THE CONSTRUCTION OF SAFETY GUARDS AS IDENTIFIED IN THE APPROPRIATE SECTION(S) OF THE ADOPTED BOCA CODES AND MUST BE APPROVED BY THE CITY BUILDING DEPARTMENT. PERMANENT SAFETY GUARDS WILL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROPRIATE SECTION(S) OF THE ADOPTED BOCA CODES.
24. ALL FILLED PLACES IN PROPOSED ROADS SHALL BE COMPACTED FROM THE BOTTOM OF THE FILL UP TO 90% MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO T-180 COMPACTION TEST OR 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST ASSHTO T-99. A SOIL'S ENGINEER SHALL VERIFY ALL TESTS CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS. A SEALED COPY OF THE RESULT REPORTS SHALL BE GIVE TO THE CITY OF SPANISH FORK, UT. CONSTRUCTION INSPECTOR.
25. ALL PUBLIC ROADS MUST BE KEPT CLEAR OF MUD AND DEBRIS AT ALL TIMES. FAILURE TO DO SO WILL BE CAUSE FOR THE CITY TO SUSPEND WORK.
26. WHERE NATURAL VEGETATION IS REMOVED DURING GRADING, VEGETATION SHALL BE REESTABLISHED IN SUCH A DENSITY AS TO PREVENT EROSION. PERMANENT SOD SHALL BE ESTABLISHED AS SOON AS POSSIBLE.
27. WHEN GRADING OPERATIONS ARE COMPLETED OR SUSPENDED FOR MORE THAN 30 DAYS, PERMANENT GRASS MUST BE ESTABLISHED AT SUFFICIENT DENSITY TO PROVIDE EROSION CONTROL ON THE SITE. BETWEEN PERMANENT GRASS SEEDING PERIODS, TEMPORARY COVER SHALL BE PROVIDED ACCORDING TO THE DESIGNATED OFFICIAL'S RECOMMENDATION.
28. ALL FINISHED GRADES (AREAS NOT TO BE DISTURBED BY FUTURE IMPROVEMENT) IN EXCESS OF 20% SLOPES (5:1) SHALL BE MULCHED AND TACKED AT THE RATE OF 100 POUNDS PER 1,000 SQUARE FEET WHEN SEEDED.
29. RUNOFF WATER FROM DEVELOPED AREAS (PARKING LOTS, PAVED SITES, AND BUILDINGS) ABOVE THE AREA TO DEVELOP SHALL BE DIRECTED TO DIVERSIONS, DETENTION BASINS, CONCRETE GUTTERS AND/OR UNDERGROUND OUTLET SYSTEMS. SUFFICIENTLY ANCHORED STRAW BALES MAY BE TEMPORARILY SUBSTITUTED WITH THE APPROVAL OF THE DESIGNATED OFFICIAL.
30. ALL CONSTRUCTION METHODS AND PRACTICES TO CONFORM WITH OSHA STANDARDS.
31. ANY RETAINING WALLS REFERRED TO IN THESE PLANS ARE SHOWN FOR REFERENCE ONLY ARE NOT TO BE INTERPRETED AS DESIGN OF THE WALL SYSTEM. CONTRACTOR SHALL REFER TO STRUCTURAL PLANS PREPARED BY OTHERS FOR DETAILS OF THE WALL DESIGN AND CONSTRUCTION DETAILS.
32. CONTRACTOR SHALL BID THESE PLANS AND SPECIFICATIONS IN THEIR ENTIRETY (COMPLETE SETS).

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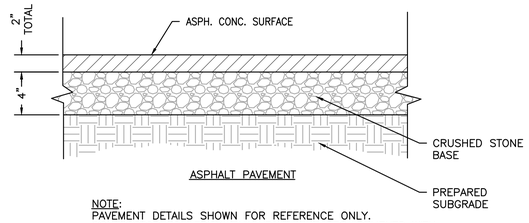
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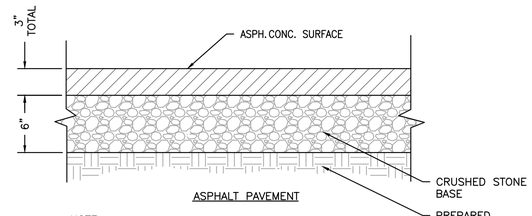
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NOTE:
PAVEMENT DETAILS SHOWN FOR REFERENCE ONLY.
CONTRACTOR TO VERIFY FINAL PAVEMENT REQUIREMENTS WITH GEOTECH REPORT AND/OR OWNER.

1 LIGHT DUTY ASPHALT PAVEMENT DETAIL (PARKING AREAS)

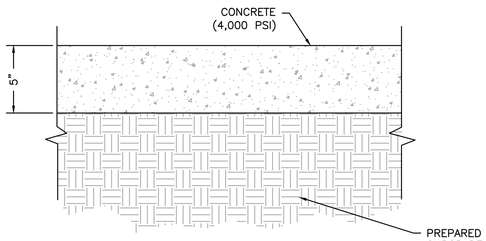
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NOTE:
PAVEMENT DETAILS SHOWN FOR REFERENCE ONLY.
CONTRACTOR TO VERIFY FINAL PAVEMENT REQUIREMENTS WITH GEOTECH REPORT AND/OR OWNER.

2 HEAVY DUTY ASPHALT PAVEMENT DETAIL (DRIVE AND TURNING AREAS)

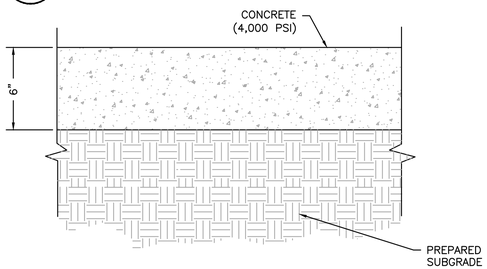
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NOTES:
1. PAVEMENT DETAILS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY FINAL PAVEMENT REQUIREMENTS WITH GEOTECH REPORT AND/OR OWNER.
2. CONTRACTOR TO INSTALL CONCRETE PAVEMENT JOINTS PER THE AMERICAN CONCRETE INSTITUTES "GUIDE FOR DESIGN AND CONSTRUCTION OF CONCRETE PARKING LOTS"

3 CONCRETE PAVEMENT DETAIL (PARKING AREAS)

SCALE: N.T.S. **REF. DWG.** -



NOTES:
1. PAVEMENT DETAILS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY FINAL PAVEMENT REQUIREMENTS WITH GEOTECH REPORT AND/OR OWNER.
2. CONTRACTOR TO INSTALL CONCRETE PAVEMENT JOINTS PER THE AMERICAN CONCRETE INSTITUTES "GUIDE FOR DESIGN AND CONSTRUCTION OF CONCRETE PARKING LOTS"

4 CONCRETE PAVEMENT DETAIL (HEAVY TRAFFIC AREAS, DRIVE THRU)

SCALE: N.T.S. **REF. DWG.** -

KEYED NOTES

1. ALL IMPROVEMENTS ARE PARALLEL AND PERPENDICULAR TO THE EASTERN PROPERTY LINE UNLESS DIMENSIONED OTHERWISE.

NEW STRUCTURES

2. NEW POPEYES BUILDING. REFER TO ARCHITECTURAL PLANS.
3. NEW DUMPSTER ENCLOSURE. REFER TO ARCHITECTURAL PLANS.

NEW CURBS

4. NEW CONCRETE 24" CATCH CURB AND GUTTER PER S.F.C. STANDARD DRAWING ST-512.
5. NEW CONCRETE FLOW AWAY CURB AND GUTTER PER S.F.C. STANDARD DRAWING ST-512.

NEW PAVEMENTS

6. NEW FLEXIBLE ASPHALT PAVEMENT (PARKING AREAS). REFER TO LIGHT DUTY ASPHALT AREA DETAIL.
7. NEW FLEXIBLE ASPHALT PAVEMENT (MAIN DRIVES). REFER TO HEAVY DUTY ASPHALT AREA DETAIL.
8. NEW RIGID CONCRETE PAVEMENT (PARKING AREAS). REFER TO LIGHT DUTY CONCRETE DETAIL.
9. NEW RIGID CONCRETE PAVEMENT (DRIVE THRU LANE & TRASH ENCLOSURE). REFER TO HEAVY DUTY CONCRETE DETAIL.
10. NEW DRIVEWAY TYPE C PER APWA "GREENBOOK" STANDARD PLAN 110-2.

NEW SIDEWALKS

11. NEW 5" CONCRETE SIDEWALK PER S.F.C. STANDARD DRAWING ST-514.
12. NEW CURB RAMP. REFER TO CURB RAMP DETAIL. (TYPICAL)
13. NEW MID BLOCK PEDESTRIAN RAMP PER S.F.C. STANDARD DRAWING ST-520.

NEW SIGNS

14. NEW BOLLARD. (TYPICAL) REFER TO BOLLARD DETAIL.
15. NEW ACCESSIBLE PARKING SIGN. REFER TO ACCESSIBLE PARKING SIGN DETAIL.
16. NEW DRIVE-THRU CLEARANCE BAR.
17. NEW MENU BOARD.
18. NEW SPEAKER POLE AND COVER.
19. NEW SIGN. REFER TO ARCHITECTURAL PLANS.

NEW PAVEMENT MARKINGS

20. NEW PAINTED ACCESSIBLE PARKING SYMBOL. REFER TO ACCESSIBLE PARKING SYMBOL DETAIL.
21. NEW PAVEMENT STRIPING. (TYPICAL)
22. NEW PAVEMENT STRIPING ACCESSIBLE CROSS WALK. REFER TO ACCESSIBLE CROSS WALK DETAIL.
23. NEW DIRECTIONAL ARROW STRIPING. (TYPICAL) REFER TO ARROW STRIPING DETAIL.

NEW MISCELLANEOUS ITEMS

24. NEW AREA LIGHT. (TYPICAL)
25. NEW LANDSCAPE AREA. REFER TO LANDSCAPING PLANS.
26. NEW BIKE RACK. REFER TO BIKE RACK DETAIL.
27. NEW TRASH RECEPTACLE. (TYPICAL)
28. ADJUST EXISTING WATER MANHOLE TO GRADE.

PARKING CALCULATIONS

PARKING REQUIREMENTS (STANDARD)

USE CATEGORY	1 SPACE PER 100 S.F. GROSS FLOOR AREA
GROSS FLOOR AREA	2,297 S.F.
CALCULATION	(1 SPACE/100 S.F.) * (2,297 S.F.) = 22.97 SPACES

PARKING REQUIREMENTS (ACCESSIBLE)

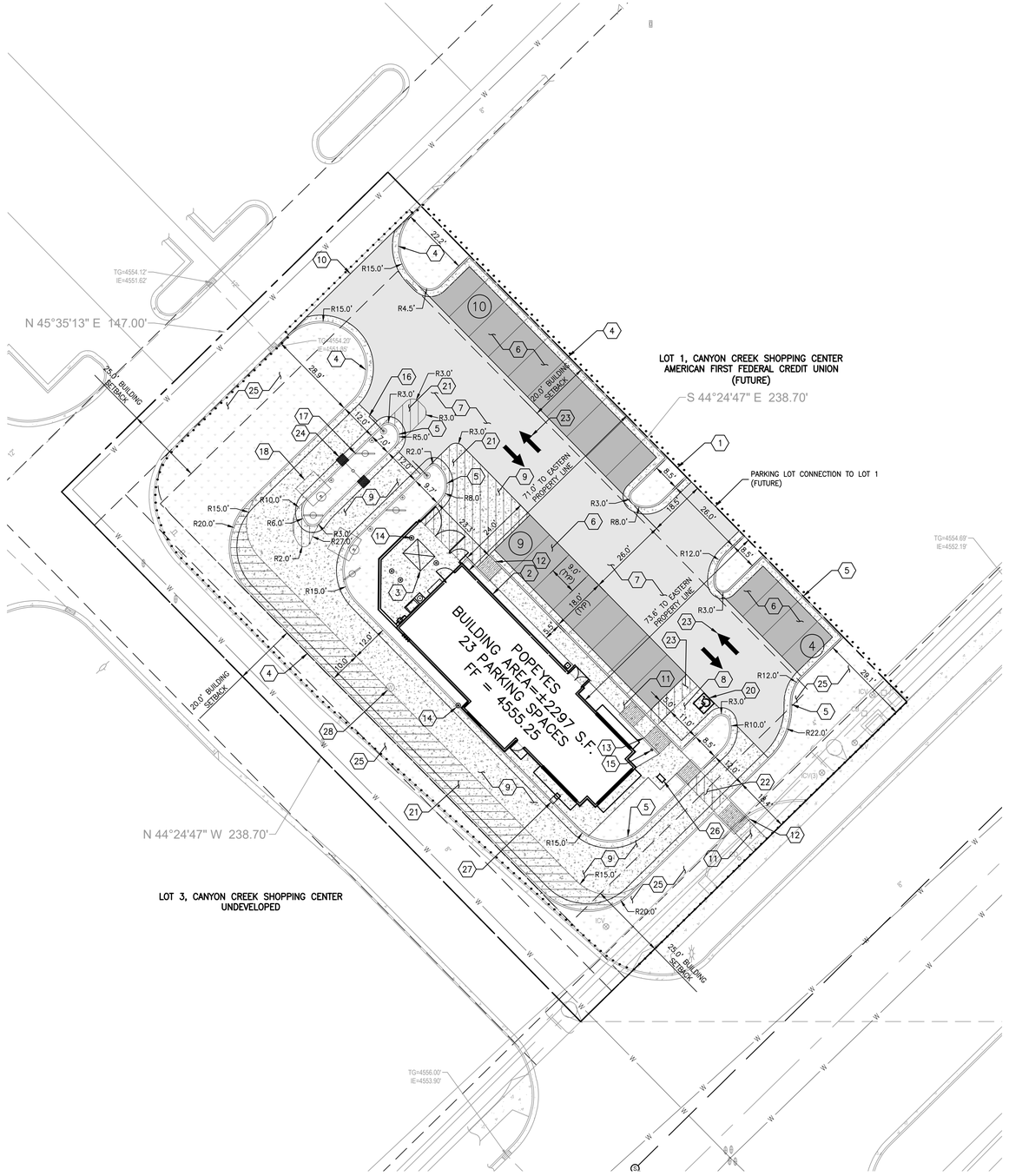
1 TO 25 STANDARD SPACES	1 ACCESSIBLE SPACES
VAN ACCESSIBLE REQUIREMENT	1 VAN ACCESSIBLE SPACE FOR EVERY 6 ACCESSIBLE SPACES

PARKING DATA

SPACES REQUIRED (TOTAL)	22 SPACES
SPACES PROVIDED (STANDARD)	22 SPACES
SPACES PROVIDED (ACCESSIBLE)	1 SPACES (1 VAN ACCESSIBLE)
SPACES PROVIDED (TOTAL)	23 SPACES

LEGEND

- PROPOSED CONSTRUCTION LIMITS
- PROPOSED IMPROVEMENTS
- PROPOSED SAWCUT LINE
- PROPERTY LINE
- EXISTING EASEMENT LINE
- EXISTING IMPROVEMENTS
- PROPOSED CONCRETE
- PROPOSED LIGHT DUTY ASPHALT
- PROPOSED HEAVY DUTY ASPHALT
- PROPOSED LANDSCAPING
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING STORM MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING SANITARY CLEANOUT
- EXISTING LIGHT STANDARD
- (#) PARKING COUNT
- LIGHT STANDARD



20' 0' 20' 40'
SCALE: 1" = 20'

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GENERAL GRADING NOTES

1. TOPOGRAPHIC INFORMATION IS TAKEN FROM A TOPOGRAPHIC SURVEY BY LAND SURVEYORS. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY, AT THEIR EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR TO THE OWNER/DEVELOPER FOR REVIEW.
2. EXISTING GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT.
3. PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT.
4. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
5. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
6. ALL CUT OR FILL SLOPES SHALL BE 3H:1V OR FLATTER UNLESS OTHERWISE NOTED. THE ENGINEER ASSUMES NO LIABILITY FOR SLOPES EXCEEDING THOSE RECOMMENDED IN THE APPLICABLE GEOTECHNICAL REPORT.
7. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
8. EXISTING DRAINAGE STRUCTURES AND STORM SEWER PIPES ARE TO BE INSPECTED, REPAIRED AS NEEDED, AND CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
9. STORM PIPE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:

   PIPES DIAMETERS LESS THAN 12"

HIGH DENSITY POLYETHYLENE PIPE (HDPE):	TYPE S PER AASHTO M252 (SMOOTH INTERIOR WITH CORRUGATIONS EXTERIOR)
POLYVINYL CHLORIDE PIPE (PVC):	SDR35 PER ASTM D3034 (FOR PIPES LESS THAN 12' DEEP)
POLYVINYL CHLORIDE PIPE (PVC):	SDR26 PER ASTM D3034 (FOR PIPES MORE THAN 12' DEEP)

   PIPES DIAMETERS 12" OR GREATER

REINFORCED CONCRETE PIPE (RCP):	CLASS III PER ASTM C76
POLYPROPYLENE (PP):	SMOOTH INTERIOR WITH CORRUGATIONS EXTERIOR PER ASTM F2764

10. ALL STORM SEWER PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
11. ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.
12. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT AND SHALL HAVE TRAFFIC BEARING RING AND COVERS. STORM MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE.
13. ALL PROPOSED CONTOURS SHOWN ARE TO FINISHED ELEVATIONS ON PAVED AREAS. THE CONTRACTOR SHALL GRADE ALL AREAS TO REQUIRED SUBGRADE.
14. ALL PROPOSED SPOT GRADES SHOWN ARE TO FINISHED GRADE, FINISHED PAVEMENT, OR FINISHED BOTTOM FACE OF CURB UNLESS NOTED OTHERWISE.
15. ALL FILLS AND BACKFILLS SHALL CONSIST OF SELECTED EARTH MATERIALS, FREE FROM BROKEN MASONRY, ROCK, FROZEN EARTH, RUBBISH, ORGANIC MATERIAL AND DEBRIS.
16. ALL FILL PLACED FOR PROPOSED STORM AND SANITARY SEWER LINES, PAVED AREAS, OR DRAINAGE BERMS SHALL BE COMPACTED TO 90% OF THE MAXIMUM DENSITY AS DETERMINED BY THE AASHTO T 180 MODIFIED PROCTOR COMPACTION TEST OR 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY THE AASHTO T 99 STANDARD PROCTOR COMPACTION TEST. ALL TESTS SHALL BE VERIFIED BY A GEOTECHNICAL ENGINEER CONCURRENT WITH THE GRADING AND BACKFILLING OPERATIONS.
17. ALL STORM WATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT.
18. WHERE NATURAL VEGETATION IS REMOVED DURING GRADING, VEGETATION SHALL BE REESTABLISHED IN SUCH A DENSITY AS TO PREVENT EROSION. PERMANENT SOD SHALL BE ESTABLISHED AS SOON AS POSSIBLE.

LEGEND

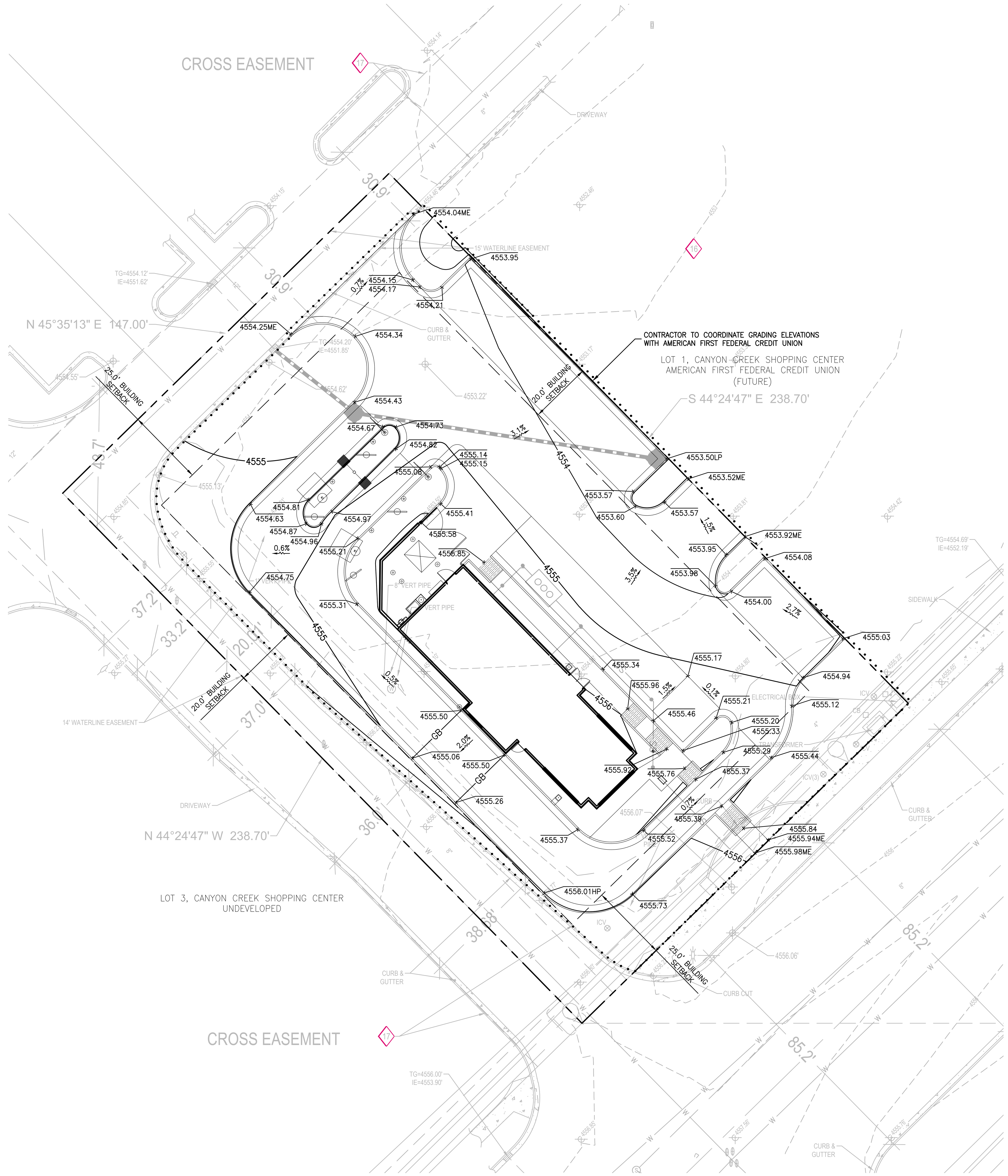
Symbol	Description
— — — —	PROPERTY LINE
— — — —	EXISTING EASEMENT LINE
	EXISTING FIRE HYDRANT
WV	EXISTING WATER VALVE
D	EXISTING STORM MANHOLE
S	EXISTING SANITARY MANHOLE
CO	EXISTING SANITARY CLEANOUT
	EXISTING LIGHT STANDARD
×5282.13	EXISTING SPOT GRADE
(TOP OF CURB) 1100.50 / (FINISH PAVEMENT) 1100.00	PROPOSED SPOT GRADE
1.5%	PROPOSED SLOP/FLOW DIRECTION
— — 5281 — —	EXISTING CONTOUR
—264—	PROPOSED CONTOUR
• • • • • •	PROPOSED CONSTRUCTION LIMITS

GRADING ABBREVIATIONS

BC BOTTOM OF CURB FACE
BW BOTTOM OF WALL
EC EDGE OF CONCRETE
FF FINISHED FLOOR
FG FINISHED GRADE
HP HIGH POINT
LP LOW POINT
ME MATCH EXISTING
TC TOP OF CURB FACE
TP TOP OF PAVEMENT
TW TOP OF WALL

GRADING ABBREVIATIONS

BC BOTTOM OF CURB FACE
BW BOTTOM OF WALL
EC EDGE OF CONCRETE
FF FINISHED FLOOR
FG FINISHED GRADE
GB GRADE BREAK
HP HIGH POINT
LP LOW POINT
ME MATCH EXISTING
TC TOP OF CURB FACE
TP TOP OF PAVEMENT
TW TOP OF WALL



20' 0' 20' 40'
SCALE: 1" = 20'

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KEYED NOTES

GAS SERVICE

1. NEW GAS SERVICE POINT OF CONNECTION. ALL MATERIAL AND INSTALLATION BY DOMINION ENERGY AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL CONTACT DOMINION ENERGY AS SOON AS POSSIBLE TO ACCOMMODATE REQUIRED LEAD TIME FOR DESIGN AND COORDINATION OF THE NEW SERVICE. [NEW GAS SERVICE TO THE NEAREST POINT OF CONNECTION. ALL MATERIAL AND INSTALLATION BY DOMINION ENERGY AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL CONTACT DOMINION ENERGY AS SOON AS POSSIBLE TO ACCOMMODATE REQUIRED LEAD TIME FOR DESIGN AND COORDINATION OF THE NEW SERVICE.]
2. NEW GAS SERVICE. ALL MATERIAL AND INSTALLATION BY DOMINION ENERGY AT THE CONTRACTOR'S EXPENSE.
3. NEW GAS METER. ALL MATERIAL AND INSTALLATION BY DOMINION ENERGY AT THE CONTRACTOR'S EXPENSE.
4. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND CONTINUATION OF GAS SERVICE.

WATER SERVICE

5. NEW 2" WATER SERVICE PER S.F.C. STANDARD PLAN W-212, ALL MATERIAL AND INSTALLATION BY THE CONTRACTOR AND INSPECTED BY THE SPANISH FORK CITY. THE CONTRACTOR SHALL CONTACT SPANISH FORK CITY AS SOON AS POSSIBLE TO ACCOMMODATE REQUIRED LEAD TIME FOR DESIGN AND COORDINATION OF THE NEW SERVICE.
6. CONNECT TO EXISTING FIRE SERVICE IN MANHOLE.
7. NEW 2" DOMESTIC WATER SERVICE WITH 42" MINIMUM COVER.
8. NEW FIRE SERVICE LINE WITH 42" MINIMUM COVER.
9. NEW 1" PRESSURIZED IRRIGATION SERVICE BOX AND LATERAL PER S.F.C. STANDARD PLAN W-215.
10. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND CONTINUATION OF DOMESTIC WATER SERVICE.
11. REFER TO ARCHITECTURAL PLAN FOR THE EXACT LOCATION AND CONTINUATION OF THE FIRE SERVICE.
12. NEW IRRIGATION SERVICE (DESIGN BY OTHERS).

ELECTRIC SERVICE

13. NEW ELECTRIC SERVICE POINT OF CONNECTION IN EXISTING TRANSFORMER PAD. ALL MATERIAL AND INSTALLATION BY SPANISH FORK ELECTRIC (S.F.E.) AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL CONTACT S.F.E. AS SOON AS POSSIBLE TO ACCOMMODATE REQUIRED LEAD TIME FOR DESIGN AND COORDINATION OF THE NEW SERVICE.
14. NEW PRIMARY UNDERGROUND ELECTRIC SERVICE. S.F.E. SHALL SIZE CONDUIT AND PROVIDE AND PULL CONDUCTOR AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING THE CONDUIT.
15. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND CONTINUATION OF ELECTRIC SERVICE.

COMMUNICATIONS SERVICE

16. NEW COMMUNICATIONS SERVICE POINT OF CONNECTION. ALL MATERIAL AND INSTALLATION BY SPANISH FORK COMMUNITY NETWORK (SFCN) AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL CONTACT SPANISH FOR COMMUNITY NETWORK AS SOON AS POSSIBLE TO ACCOMMODATE REQUIRED LEAD TIME FOR DESIGN AND COORDINATION OF THE NEW SERVICE.
17. NEW (1) 2" PVC AND (1) 4" PVC COMMUNICATION SERVICE CONDUIT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING THE CONDUIT AND PULLWIRE. ALL OTHER MATERIAL AND INSTALLATION BY SPANISH FOR COMMUNITY NETWORK AT THE CONTRACTOR'S EXPENSE.
18. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND CONTINUATION OF COMMUNICATIONS SERVICE.

SANITARY SEWER SERVICE

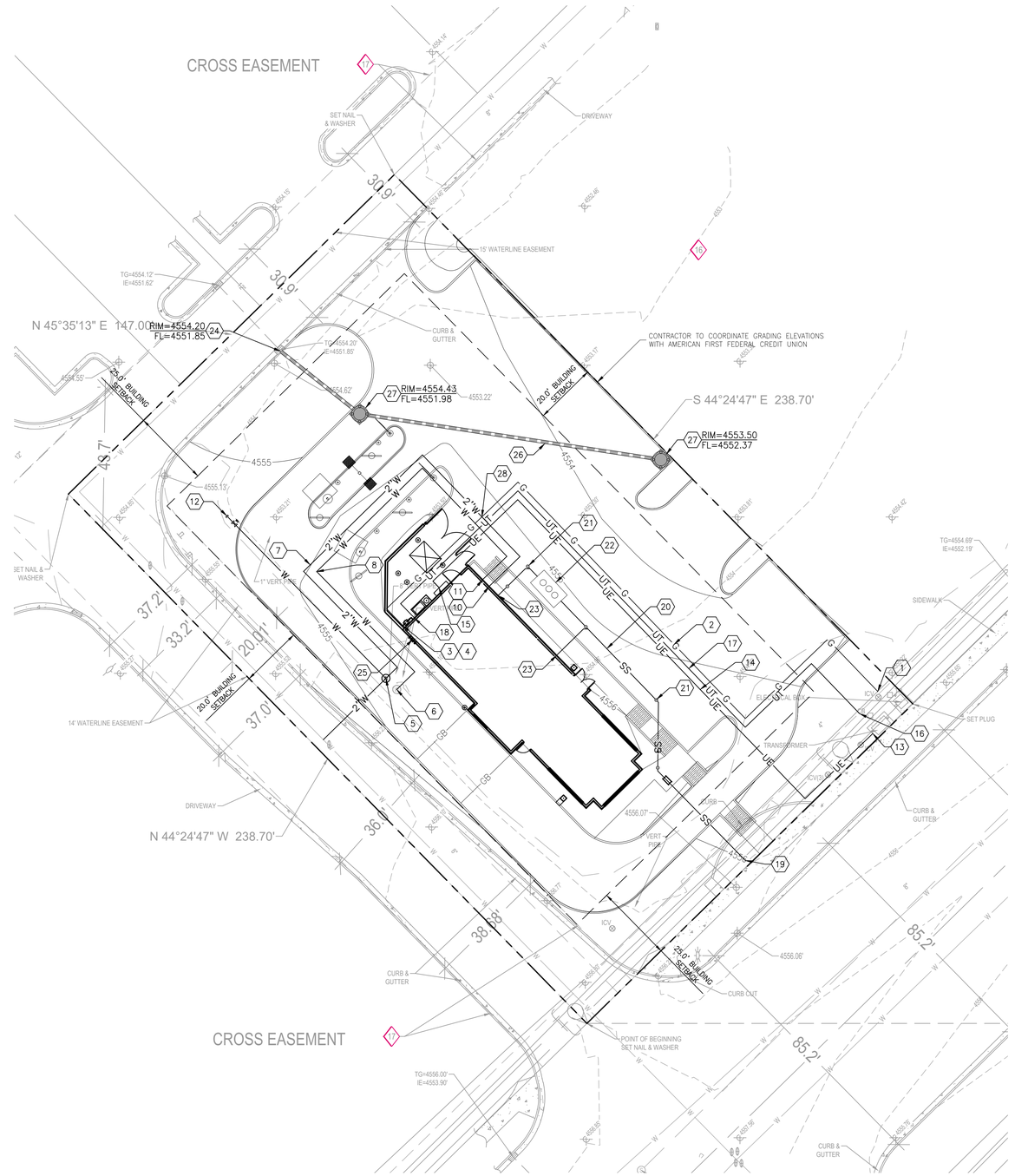
19. CONNECT TO EXISTING SEWER SERVICE PER S.F.C. STANDARD STANDARD PLAN SS-304.
20. NEW 4" PVC SANITARY SEWER SERVICE WITH 2.00% MINIMUM SLOPE AND 48" MINIMUM COVER. MINIMUM HORIZONTAL DISTANCE FROM THE SEWER LINE TO ANOTHER UNDERGROUND UTILITY SHALL BE 72".
21. NEW SANITARY SEWER CLEANOUT. REFER TO SANITARY SEWER CLEANOUT DETAIL. (TYPICAL)
22. NEW GT-1500 GREASE TRAP BY OLDCSTLE PRECAST. REFER TO ARCHITECTURAL PLANS AND SPEC.
23. NEW SANITARY SEWER POINT OF BUILDING ENTRY. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION.

STORM SEWER SERVICE

24. CONTRACTOR TO CONNECT TO EXISTING STORM INLET AND VERIFY LOCATION, SIZE, ELEVATION AND CONDITION A MINIMUM OF 3 WEEKS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER IMMEDIATELY IF THERE ARE ANY DISCREPANCIES.
25. NEW ROOF DRAIN DOWNSPOUT CONNECTION. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION.
26. NEW 12" HDPE STORM SEWER WITH 0.4% MINIMUM SLOPE. (TYPICAL)
27. NEW STORM WATER INLET BOX PER S.F.C. STANDARD STANDARD PLAN SD-404.

MISCELLANEOUS ITEMS

28. THE CONTRACTOR SHALL MAINTAIN 18" MINIMUM VERTICAL CLEARANCE AT ALL UTILITY CROSSINGS. (TYPICAL)



LEGEND

PROPERTY LINE	
EXISTING EASEMENT LINE	
EXISTING GAS LINE	G
EXISTING ELECTRIC LINE	E
EXISTING WATER LINE	W
EXISTING SANITARY LINE	SS
EXISTING STORM LINE	ST
EXISTING TELEPHONE LINE	FO
PROPOSED GAS LINE	G
PROPOSED ELECTRIC LINE	UE
PROPOSED WATER LINE	W
PROPOSED SANITARY LINE	SS
PROPOSED STORM LINE	
PROPOSED TELEPHONE LINE	UT
EXISTING FIRE HYDRANT	
EXISTING WATER VALVE	
EXISTING STORM MANHOLE	D
EXISTING SANITARY MANHOLE	S
EXISTING SANITARY CLEANOUT	
EXISTING LIGHT STANDARD	
RELOCATED FIRE HYDRANT	
PROPOSED WATER VALVE	
PROPOSED STORM MANHOLE	
PROPOSED STORM MANHOLE W/ GRATE	
PROPOSED SANITARY CLEANOUT	
PROPOSED LIGHT STANDARD	

UTILITY ABBREVIATIONS

FFE	FINISHED FLOOR ELEVATION
FL	FLOW LINE
FS	FINISHED SURFACE
INV	INVERT ELEVATION
LD	LOCAL DEPRESSION
RIM	RIM ELEVATION
TG	TOP OF GRATE

20' 0' 20' 40'
SCALE: 1" = 20'

Blue Stakes of UTAH 811

NOT FOR CONSTRUCTION

NO	REVISION DESCRIPTION	DATE
01	FIRST SUBMITTAL	04/13/2021

DEVELOPER/OWNER:
Z+H FOODS
445 HIGHWAY 6
SUGAR LAND, TX 77478
(713) 776-1515

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LOUISIANA KITCHEN 19 72
POPEYES LOUISIANA KITCHEN

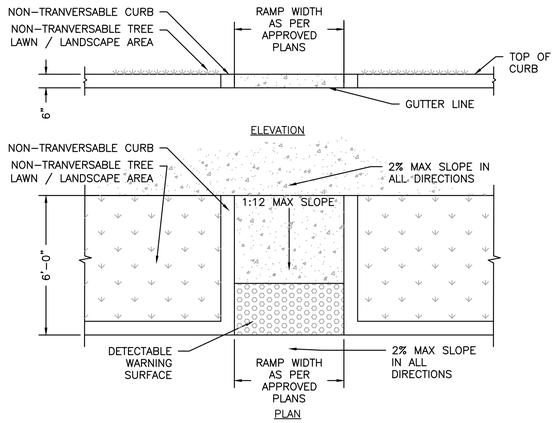
POPEYES SPANISH FORK, UT
1301 N CANYON CREEK PARKWAY
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UTILITY PLAN

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DATE: 04/13/2021
Job Number: 20-0073
Sheet Number: C5.0

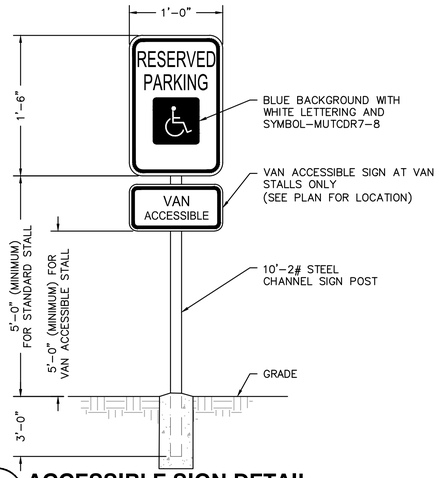
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DATE: April 14, 2021 - 1:46:16 PM
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NOTE: MAINTAIN 4" SIDEWALK THICKNESS IN DEPRESSED AREA.

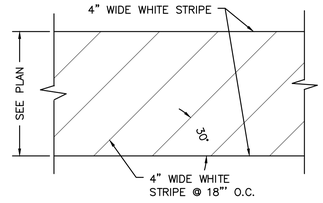
5 ACCESSIBLE RAMP WITH NON-TRAVERSABLE CURBS DETAIL

SCALE: N.T.S. **REF. DWG.** C3.0



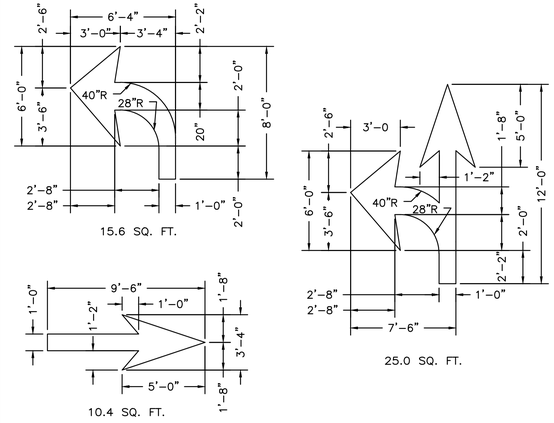
6 ACCESSIBLE SIGN DETAIL

SCALE: N.T.S. **REF. DWG.**



7 CROSS WALK DETAIL

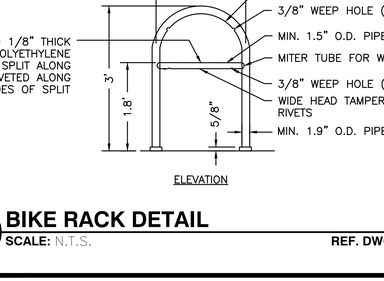
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NOTE: DIRECTIONAL ARROWS TO BE PAINTED WHITE

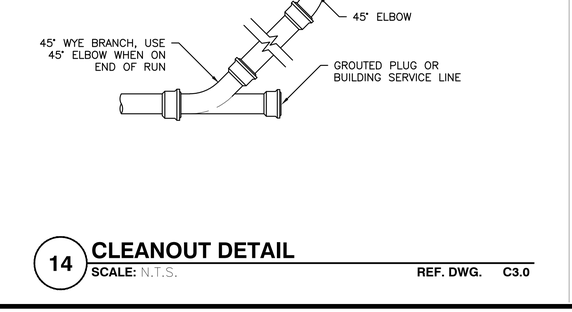
8 DIRECTION ARROWS DETAIL

SCALE: N.T.S. **REF. DWG.** C3.0



9 HANDICAP SYMBOL DETAIL

SCALE: N.T.S. **REF. DWG.** C3.0



10 90 DEGREE ACCESSIBLE PARKING DETAIL

SCALE: N.T.S. **REF. DWG.** C3.0

NOTES:
1. SIMILAR SHAPE MAY BE USED UPON APPROVAL OF ENGINEER.
2. HOLD IN PLACE WITH 18" LONG #4 REBARS PLACED IN THE HOLES AT EACH END AND DRIVEN FLUSH WITH THE TOP.

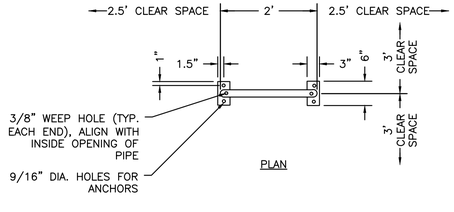
11 WHEEL STOP DETAIL

SCALE: N.T.S. **REF. DWG.** C3.0



12 BOLLARD DETAIL

SCALE: N.T.S. **REF. DWG.** C3.0



13 BIKE RACK DETAIL

SCALE: N.T.S. **REF. DWG.** C3.0

14 CLEANOUT DETAIL

SCALE: N.T.S. **REF. DWG.** C3.0

01	FIRST SUBMITTAL
NO	REVISION DESCRIPTION
04/13/2021	DATE

DEVELOPER/ OWNER:
Z+H FOODS
445 HIGHWAY 6
SUGAR LAND, TX 77478
(713) 776-1515

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Popeyes LOUISIANA KITCHEN

POPEYES SPANISH FORK, UT
1301 N CANYON CREEK PARKWAY
SPANISH FORK, UT 84660

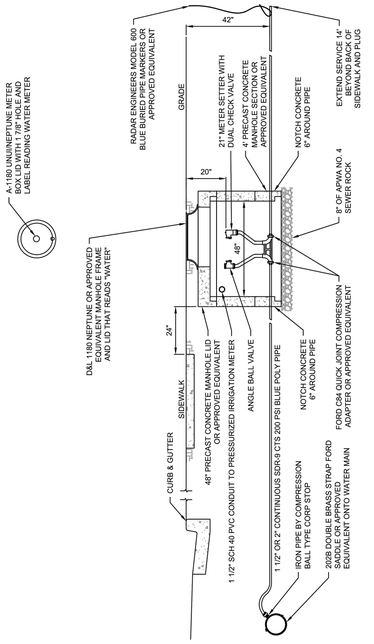
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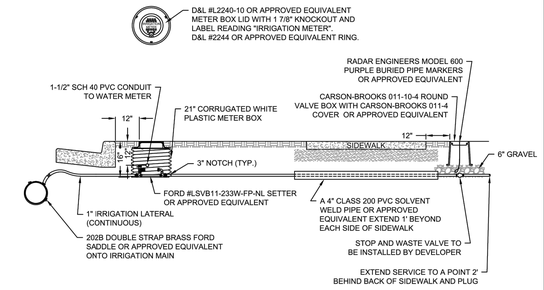
Blue Stakes of UTAH 811
PROFESSIONAL ENGINEER
NO. 10986014-2202
STATE OF UTAH
NOT FOR CONSTRUCTION

USER: William Fellhoelter TAB: DETAIL SHEET
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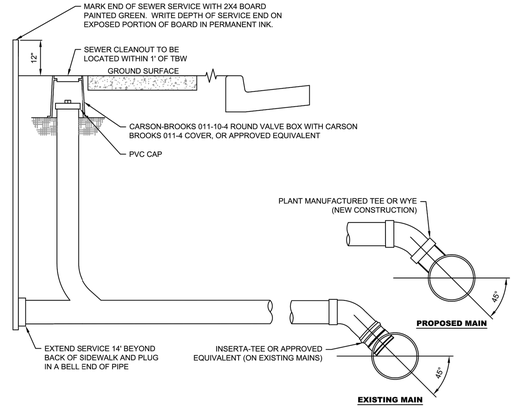
NOTES:
1. BURY CONDUIT 18" BELOW GRADE.
2. CONDUIT SHALL BE 1" (FOR LOTS LESS AND 2" METERS (METER TO BE PROVIDED BY SPANISH FORK CITY).
3. TYPE OF METER TO BE USED SHALL BE DETERMINED BY THE CITY.

SPANISH FORK CITY	STANDARD DRAWING		
40 SOUTH MAIN STREET, SPANISH FORK, UT 84660, (801) 804-4550	2" WATER SERVICE	DRAWN: JLR; DESIGN: CJP; CHECK: CMT; DATE: 6/15/18	SCALE: NONE; STANDARD W-212



NOTES:
1. IRRIGATION LATERAL SHALL BE 1" CONTINUOUS TYPE K COPPER OR SDR-9 CTS 200 PSI PURPLE POLYPROPYLENE PIPE.
2. STAINLESS STEEL LINER INSERTS SHALL BE REQUIRED INSIDE POLYPROPYLENE PIPE AT COMPRESSION FITTINGS.
3. ALL FITTINGS SHALL BE COMPATIBLE WITH SERVICE SIZE.
4. FOR PLANTER STRIPS LESS THAN 6' WIDE PLACE METER BOX IN CENTER OF PLANTER. WHERE THERE IS NO PLANTER, PLACE CENTER OF METER BOX 20" BEHIND SIDEWALK.
5. EXTEND 18 GAUGE WIRE 3' INTO METER BOX AND TAPE ENDS. BURY CONDUIT 12" BELOW GRADE.
6. IRRIGATION METERS LOCATED WITHIN THE DRIVEWAY SHALL HAVE A 48" PRECAST MANHOLE SECTION WITH D&L 1180 OR APPROVED EQUIVALENT MANHOLE FRAME AND LID THAT READS "IRRIGATION". LID SHALL BE RECESSED.

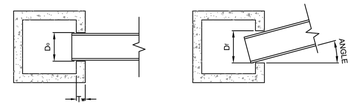
SPANISH FORK CITY	STANDARD DRAWING		
40 SOUTH MAIN STREET, SPANISH FORK, UT 84660, (801) 804-4550	1" PRESSURIZED IRRIGATION SERVICE BOX AND LATERAL	DRAWN: CG; DESIGN: CJP; CHECK: CMT; DATE: 6/15/18	SCALE: NONE; STANDARD W-215



NOTES:
1. THE MINIMUM SLOPE IS 2% FOR A 4" LATERAL AND 1% FOR A 6" LATERAL.
2. SEWER LATERALS SHALL HAVE A MINIMUM OF 42" OF COVER FROM FINISH GRADE AT PROPERTY LINE AND 36" AT PLUG.
3. INSERTA-TEE MAY ONLY BE USED WHEN APPROVED BY CITY ENGINEER.

SPANISH FORK CITY	STANDARD DRAWING		
40 SOUTH MAIN STREET, SPANISH FORK, UT 84660, (801) 804-4550	SEWER SERVICE	DRAWN: JLR; DESIGN: CJP; CHECK: CMT; DATE: 6/15/18	SCALE: NONE; STANDARD SS-304

CLEANOUT AND INLET SIZING GUIDELINES



D_2: THE ORIGINAL DIAMETER OF THE INLET OR THE OUTER DIAMETER (OD) OF THE PIPE IF THE PIPE IS PURPENDICULAR TO THE INLET BOX.

D_1: THE FINAL ADJUSTED SIZE OF THE INLET WHEN THE PIPE IS SKEWED.

T_w: THE THICKNESS OF THE WALL (6" FOR THE TABLE BELOW).

ANGLE: THE ANGLE AT WHICH THE PIPE IS SKEWED.

FORMULA:

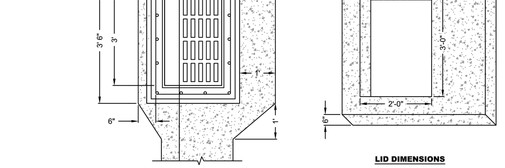
$D_1 = (OD \times 1/\cos(ANGLE)) + (TAN(ANGLE) \times T_w)$

CONCRETE PIPE OUTER DIAMETERS BASED ON 6" CLEANOUT WALL THICKNESS AND PIPE ANGLE AT CLEANOUT

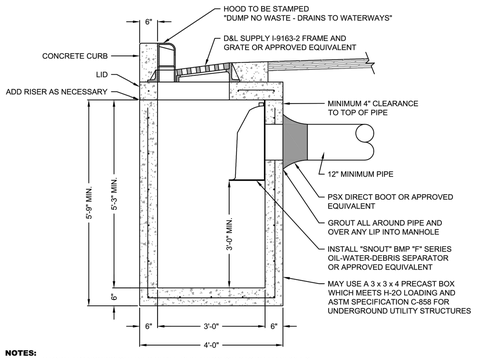
ANGLE OF PIPE ENTERING BOX	0°	5°	10°	15°	20°	30°	45°
INSIDE DIAMETER (ID)	OUTSIDE BARREL DIAMETER (OD)						
12.0"	16.5"	17.1"	17.8"	18.7"	19.7"	22.5"	29.3"
15.0"	19.8"	20.4"	21.1"	22.1"	23.2"	26.3"	33.9"
18.0"	23.0"	23.6"	24.4"	25.4"	26.7"	30.0"	38.5"
21.0"	27.0"	27.6"	28.5"	29.6"	30.9"	34.6"	44.2"
24.0"	30.0"	30.6"	31.5"	32.7"	34.1"	38.1"	48.4"
27.0"	35.0"	35.7"	36.6"	37.8"	39.4"	43.9"	55.5"
30.0"	38.3"	38.9"	39.9"	41.2"	42.9"	47.6"	60.1"
36.0"	45.9"	46.6"	47.6"	49.1"	51.0"	56.4"	
42.0"	52.2"	53.0"	54.1"	55.7"	57.8"	63.8"	
48.0"	59.4"	60.2"	61.4"	63.1"			
54.0"							
60.0"							
66.0"							
72.0"							
84.0"							
90.0"							
96.0"							

NOTES:
1. TABLE IS BASED ON A 6" WALL THICKNESS AND PIPE ANGLE AT CLEANOUT.
2. SHADED AREAS BELOW THE DARK LINE INDICATE PIPE SIZES AND ANGLES THAT WILL NOT FIT WITHIN A STANDARD 6' WALL BOX. SPECIAL BOX SIZES ARE NECESSARY FOR THESE CONDITIONS.
3. USE OF THIS TABLE (INCLUDING DESIGN & DIMENSIONS) SHOULD BE ANALYZED AND CHECKED BY THE USER'S ENGINEER TO ENSURE ADEQUACY FOR THE INTENDED USE.
4. ALL BOXES SHALL HAVE A MINIMUM OF 6" OF SURROUNDING CONCRETE BOX COVERAGE.

SPANISH FORK CITY	STANDARD DRAWING		
40 SOUTH MAIN STREET, SPANISH FORK, UT 84660, (801) 804-4550	BOX SIZING	DRAWN: JLR; DESIGN: CJP; CHECK: CMT; DATE: 6/15/18	SCALE: NONE; STANDARD SD-402

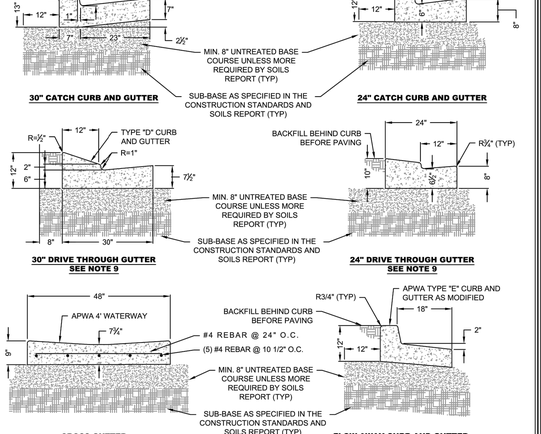


LID DIMENSIONS



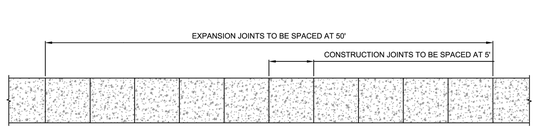
NOTES:
1. ALL STORM TRANSMISSION LINES SHALL RUN THROUGH STORM MANHOLES.
2. BOX SHALL BE SIZED ACCORDING TO TABLE ON STANDARD #302.
3. UNLESS OTHERWISE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER, #4 REBAR WILL BE SPACED AT MINIMUM OF 12" O.C. IN ALL DIRECTIONS IN CONCRETE, ALL REBAR SHALL OVERLAP A MINIMUM OF 14".

SPANISH FORK CITY	STANDARD DRAWING		
40 SOUTH MAIN STREET, SPANISH FORK, UT 84660, (801) 804-4550	STORM WATER INLET BOX	DRAWN: JLR; DESIGN: CJP; CHECK: CMT; DATE: 6/15/18	SCALE: NONE; STANDARD SD-404

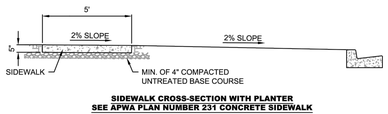


NOTES:
1. SUB-BASE UNDER ALL CURBS AND GUTTERS SHALL MATCH WHAT IS IN THE ROAD WITH A MINIMUM OF 8" OF COMPACTED UNTREATED BASE COURSE.
2. IF CONCRETE IS TO BE POURED NEXT TO A CURB #4 REBAR SHALL BE DOWELED 3" INTO CURB AND 4" INTO SIDEWALK. REBAR SHALL BE INSTALLED A MINIMUM OF 2" FROM TOP OF SIDEWALK AND CURB 24" O.C.
3. SIDEWALKS SHALL HAVE CONSTRUCTION JOINTS EVERY 5'.
4. TOP FRONT OF SIDEWALK SHALL BE PLACED AT THE SAME GRADE AS TOP BACK OF CURB.
5. TACK SHALL BE APPLIED TO LIP OF CURB AND EXTEND 1' ONTO GRAVEL ROAD BASE.
6. PAVERS, FABRIC, SAND MATERIAL AND INSTALLATION SHALL MEET THE SPECIFICATIONS AND REQUIREMENTS OF APWA 32 14 13 (PRECAST CONCRETE UNIT PAVING) AND 32 14 16 (BRICK UNIT PAVING).
7. ESTABLISH PAVER PATTERN TO ASSURE ALL CUT EDGE PAVERS SHALL BE HALF PAVERS OR LARGER.
8. ALL PAVERS SHALL MATCH THE ORGINAL COLOR OF THE DARK RED CONCRETE PAVERS ON MAIN STREET
9. MODIFIED CURB & GUTTER IS ONLY TO BE USED IN THE RESIDENTIAL SUB LOCAL ROAD - 42' RIGHT OF WAY UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.

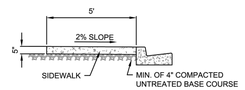
SPANISH FORK CITY	STANDARD DRAWING		
40 SOUTH MAIN STREET, SPANISH FORK, UT 84660, (801) 804-4550	CURB & GUTTERS	DRAWN: JLR; DESIGN: CJP; CHECK: CMT; DATE: 6/15/18	SCALE: NONE; STANDARD ST-512



PLAN VIEW



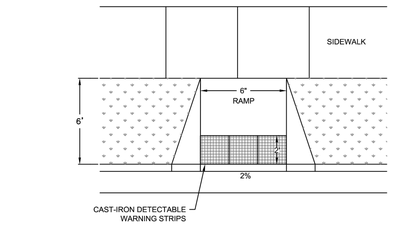
SIDEWALK CROSS-SECTION WITH PLANTER
SEE APWA PLAN NUMBER 231 CONCRETE SIDEWALK

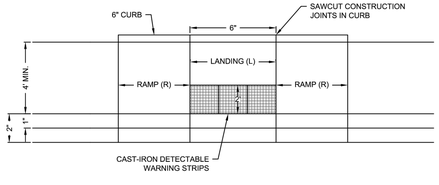


SIDEWALK CROSS-SECTION WITHOUT PLANTER
SEE APWA PLAN NUMBER 231 CONCRETE SIDEWALK

NOTES:
1. IF CONCRETE IS TO BE POURED NEXT TO A CURB #4 REBAR SHALL BE DOWELED 3" INTO CURB AND 4" INTO SIDEWALK. REBAR SHALL BE DOWELED A MINIMUM OF 2" FROM TOP OF SIDEWALK AND CURB 24" O.C.
2. SIDEWALKS SHALL HAVE CONSTRUCTION JOINTS EVERY 5'.
3. SIDEWALK SHALL HAVE EXPANSION JOINTS EVERY 50'
4. TOP FRONT OF SIDEWALK SHALL BE PLACED AT 2% GRADE ABOVE TOP BACK OF CURB.

SPANISH FORK CITY	STANDARD DRAWING		
40 SOUTH MAIN STREET, SPANISH FORK, UT 84660, (801) 804-4550	SIDEWALK	DRAWN: JLR; DESIGN: CJP; CHECK: CMT; DATE: 6/15/18	SCALE: NONE; STANDARD ST-514





NOTES:
1. RAMPS SHALL HAVE A 1:12 MAXIMUM SLOPE, WITH A MAXIMUM 2% CROSS SLOPE. ALL OTHER SIDEWALK AND LANDING SHALL HAVE A 1:48 MAXIMUM SLOPE.
2. CONTRACTOR SHALL INSTALL PAVERS ACCORDING TO THE STANDARDS FOR CAST-IRON DETECTABLE WARNING PLATES AND MATCH PATTERN IN THIS DRAWING. RADIAL PLATES SHALL BE A EAST JORDAN IRON WORKS OR APPROVED EQUIVALENT AND SHALL BE ACCORDING TO THE CORRECT TBC RADIUS.
3. CONCRETE SHALL BE 7 INCHES THICK THROUGHOUT RAMP.
4. IF CONCRETE IS TO BE POURED NEXT TO A CURB, #4 REBAR SHALL BE DOWELED 6" INTO CURB AND 12" INTO SIDEWALK. REBAR SHALL BE INSTALLED A MINIMUM OF 1 1/2" FROM TOP OF THE SIDEWALK AND CURB 24" O.C.
5. MODIFICATIONS TO THIS STANDARD MUST BE APPROVED BY THE CITY.
6. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 IN, A HEIGHT OF NOMINAL 0.2 IN AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 IN.

SPANISH FORK CITY	STANDARD DRAWING		
40 SOUTH MAIN STREET, SPANISH FORK, UT 84660, (801) 804-4550	MID BLOCK PEDESTRIAN RAMP DESIGN GUIDELINES	DRAWN: JLR; DESIGN: CJP; CHECK: CMT; DATE: 6/15/18	SCALE: NONE; STANDARD ST-520

NO	DESCRIPTION	DATE
01	FIRST SUBMITTAL	04/13/2021

DEVELOPER / OWNER:
Z+H FOODS
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SUGAR LAND, TX 77478
(713) 776-1515

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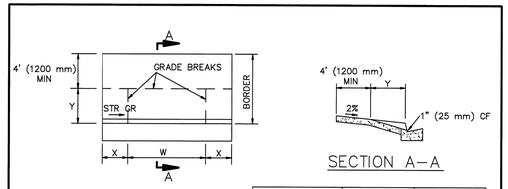
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Blue Stakes of UTAH 811 811 BLUESTAKES.COM

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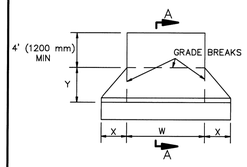
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No. 7193600-2202
STATE OF UTAH

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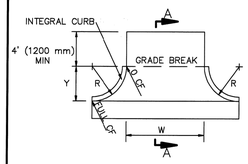
TYPE A

SECTION A–A



TYPE B

CURB FACE, inches (mm)	X, inches (mm)	Y, inches (mm)
6" (150) or less	3'–0" (900)	4'–0" (1200)
7" (175)	3'–6" (1050)	4'–9" (1425)
8" (200)	4'–0" (1200)	5'–8" (1700)
9" (225)	4'–6" (1350)	6'–6" (1950)
10" (250)	5'–0" (1500)	7'–3" (2175)
11" (275)	5'–6" (1650)	8'–0" (2400)
12" (300) or more	6'–0" (1800)	8'–9" (2625)



TYPE C

NOTES:

1. RESIDENTIAL DRIVEWAYS SHALL BE 4" (100 mm) THICK PCC.
2. COMMERCIAL DRIVEWAYS SHALL BE 6" (150 mm) THICK PCC.
3. WEAKENED PLANE JOINTS SHALL BE INSTALLED AT BOTH SIDES OF A DRIVEWAY AND AT 10' (3.0 m) INTERVALS.
4. CURB FOR TYPE C DRIVEWAY SHALL BE INTEGRAL AND MATCH ADJACENT CONSTRUCTION.
5. REFER TO LOCAL DEVELOPMENT REGULATIONS FOR AMERICANS WITH DISABILITIES ACCESS REQUIREMENTS AND MAXIMUM PERMITTED DRIVEWAY WIDTHS.

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE PUBLIC WORKS STANDARDS INC. GREENBOOK COMMITTEE 1994 REV. 1996, 2009

DRIVEWAY APPROACHES

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN 110–2

SHEET 1 OF 1

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01	FIRST SUBMITTAL	04/13/2021

DEVELOPER/OWNER:

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4415 HIGHWAY 6
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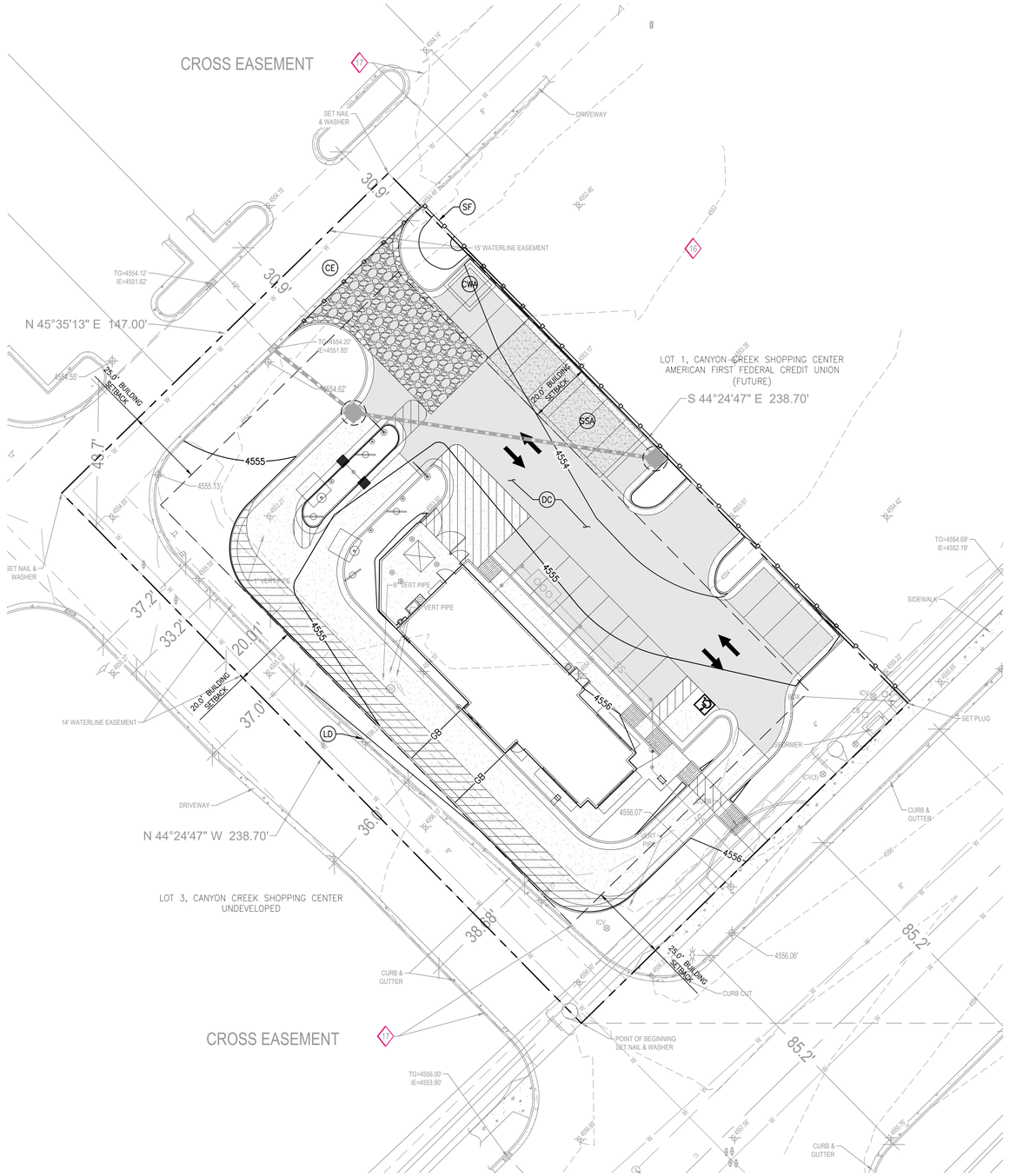
Blue Stakes of UTAH 811
Always Call Before You Dig

PROFESSIONAL ENGINEER
STATE OF UTAH
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SWPPP LEGEND

LABEL	SYMBOL	DESCRIPTION
LD		LIMITS OF DISTURBANCE
CE		CONSTRUCTION ENTRANCE (REFER TO SUMMARY ON SHEET) (REFER TO DETAIL ON SHEET)
SF		SILT FENCE (REFER TO SUMMARY ON SHEET) (REFER TO DETAIL ON SHEET)
CWA		CONCRETE WASHOUT AREA (REFER TO SUMMARY ON SHEET) (REFER TO DETAIL ON SHEET)
DC		DUST CONTROL
SSA		SITE STAGING AREA
IP1		INLET PROTECTION – BIG RED



20' 0' 20' 40'

SCALE: 1" = 20'

NO	DATE	REVISION DESCRIPTION
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SWPPP PLAN

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PROPOSED DRAINAGE SUMMARY							
LABEL	AREA (AC)	IMPERVIOUS PERCENT	C	I5 (IN/HR)	I100 (IN/HR)	Q5 (CFS)	Q100 (CFS)
A1	0.15	72%	0.70	0.68	1.67	0.07	0.18
A2	0.41	81%	0.78	0.68	1.67	0.22	0.53
OFF1	0.09	42%	0.42	0.68	1.67	0.03	0.06
OFF2	0.01	0%	0.05	0.68	1.67	0.00	0.00
OFF3	0.01	73%	0.71	0.68	1.67	0.01	0.01

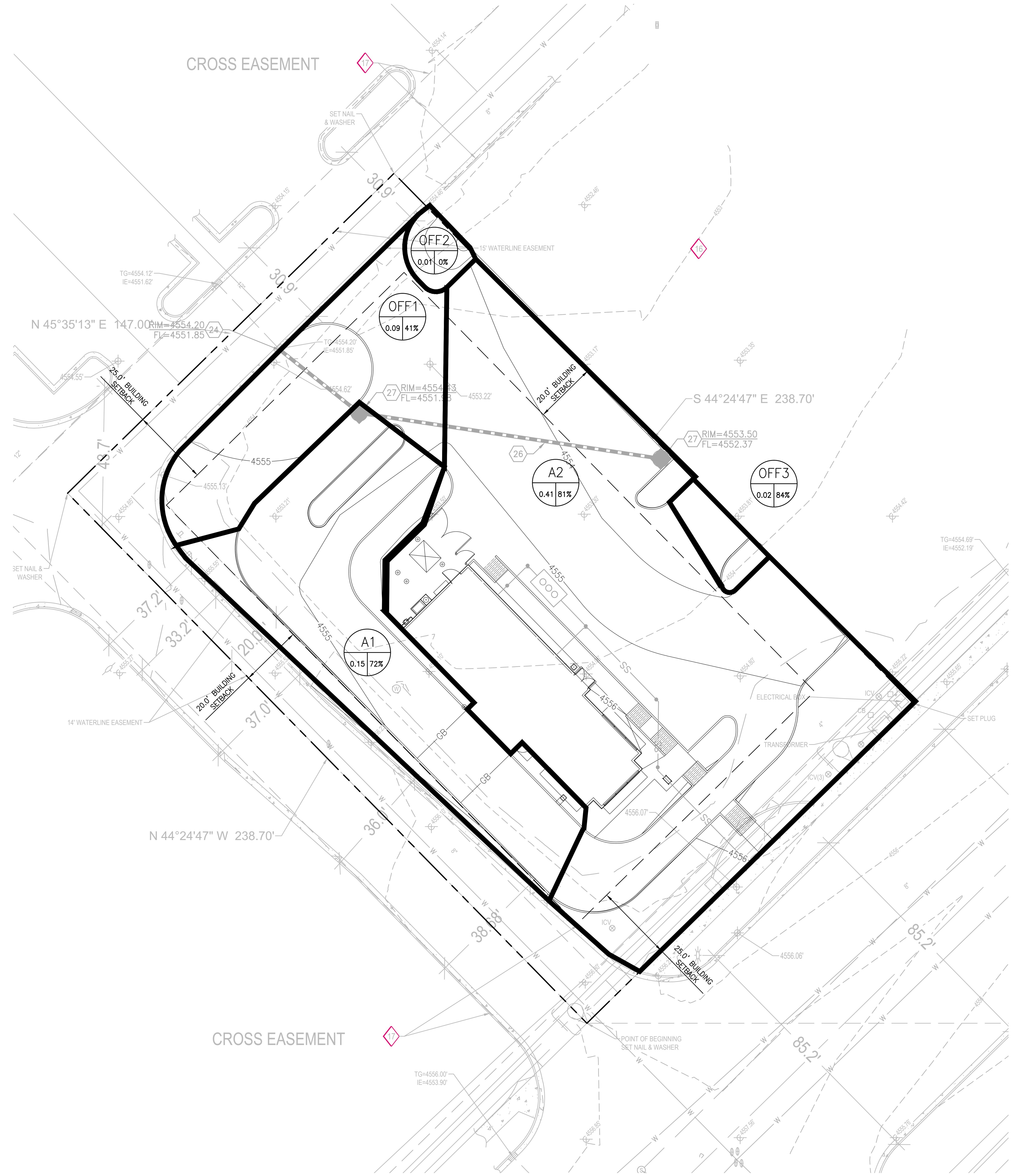
STORMWATER RUNOFF NOTES

PERVIOUS AREA C VALUE =.05
IMPERVIOUS AREA C VALUE =.95
PRE-DEVELOPMENT % IMPERVIOUS = 0%
POST-DEVELOPMENT % IMPERVIOUS = 72%
POST-DEVELOPMENT ONSITE 5-YR STORM RUNOFF = 0.32 CFS
POST-DEVELOPMENT ONSITE 100-YR STORM RUNOFF = 0.78 CFS

LEGEND

PROPOSED STORM DRAIN AREA

A = BASIN DESIGNATION
B = AREA IN ACRES
C = PERCENT IMPERVIOUS



LEGEND

(line symbol)	PROPERTY LINE
(line symbol)	EXISTING EASEMENT LINE
G	EXISTING GAS LINE
E	EXISTING ELECTRIC LINE
W	EXISTING WATER LINE
SS	EXISTING SANITARY LINE
ST	EXISTING STORM LINE
FO	EXISTING TELEPHONE LINE
G	PROPOSED GAS LINE
UE	PROPOSED ELECTRIC LINE
W	PROPOSED WATER LINE
SS	PROPOSED SANITARY LINE
(line symbol)	PROPOSED STORM LINE
UT	PROPOSED TELEPHONE LINE
(symbol)	EXISTING FIRE HYDRANT
WV	EXISTING WATER VALVE
D	EXISTING STORM MANHOLE
S	EXISTING SANITARY MANHOLE
CO	EXISTING SANITARY CLEANOUT
(symbol)	EXISTING LIGHT STANDARD
(symbol)	RELOCATED FIRE HYDRANT
WV	PROPOSED WATER VALVE
(symbol)	PROPOSED STORM MANHOLE
(symbol)	PROPOSED STORM MANHOLE W/ GRATE
(symbol)	PROPOSED SANITARY CLEANOUT
	PROPOSED LIGHT STANDARD

20' 0' 20' 40'
SCALE: 1" = 20'

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THIS SHEET IS FOR DRAINAGE CALCULATION PURPOSES ONLY AND NOT TO BE USED AS CONSTRUCTION PLANS

DATE	NO	REVISION DESCRIPTION
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(713) 776-1515

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DRAINAGE AREA MAP

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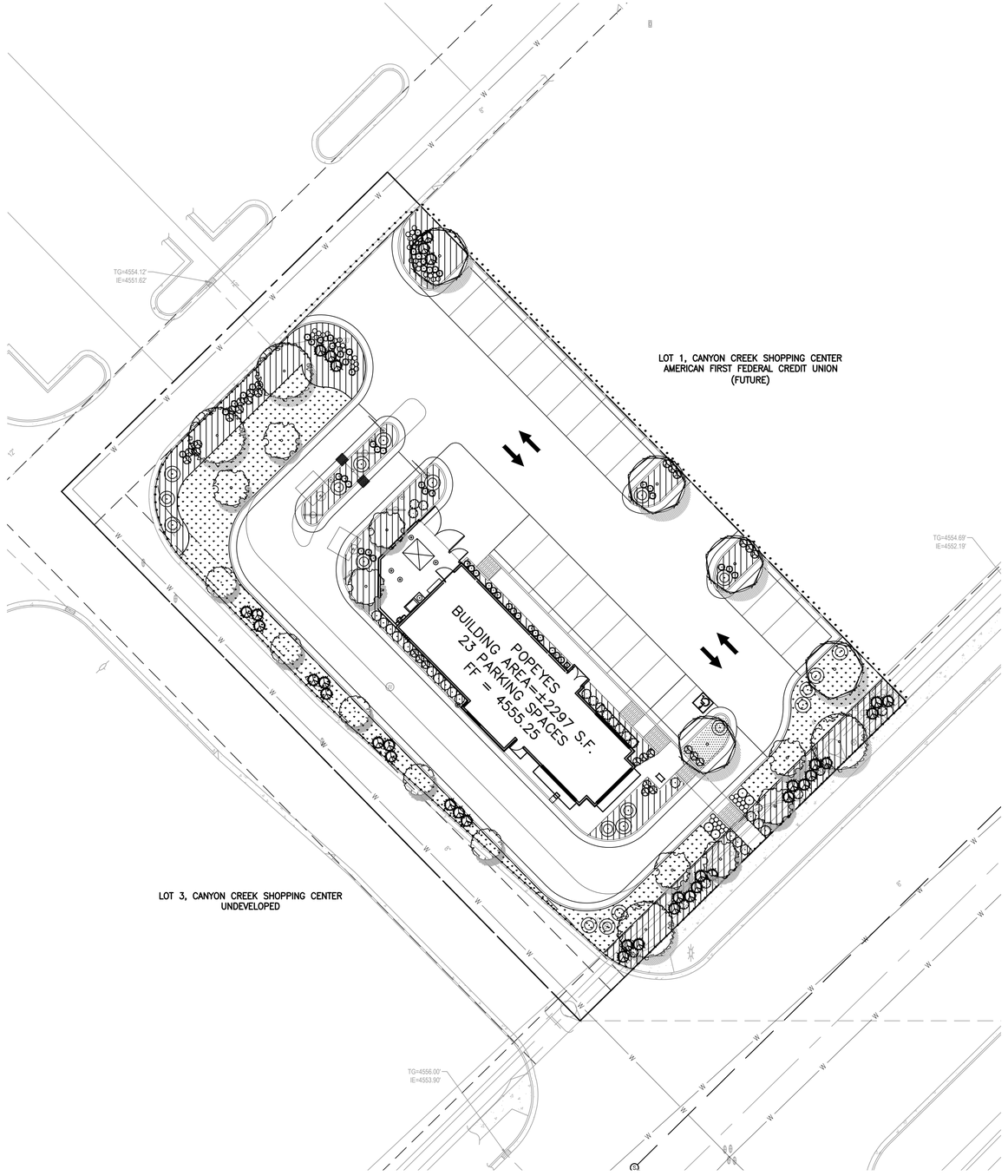
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PLANT MATERIAL SCHEDULE

SYMB.	QTY.	BOTANICAL NAME	COMMON NAME	CAL.	HT.	DET.	SPACING
CANOPY TREES							
	5	GLEDITSIA TRIACANTHOS VAR. INERMIS 'SKYLINE'	SKYLINE HONEY LOCUST	3"	12'	B&B	AS SHOWN
	5	QUERCUS ROBAR'FASTIGIATA'	COLUMNAR ENGLISH OAK	3"	12'	B&B	AS SHOWN
	4	QUERCUS RUBRA	RED OAK	3"	12'	B&B	AS SHOWN
ORNAMENTAL TREES							
SYMB.	QTY.	BOTANICAL NAME	COMMON NAME	CAL.	HT.	DET.	SPACING
	8	CERCIS CANADENSIS	REDBUD	2"	8'	B&B	AS SHOWN
SHRUBS / EVERGREEN SCREEN							
SYMB.	QTY.	BOTANICAL NAME	COMMON NAME	WT.	HT.	DET.	REMARKS
	17	BERBERIS THUNBERGII 'CRIMSON PIGMY'	CRIMSON PIGMY BARBERRY	3'	2'	3 GAL.	AS SHOWN
	30	CORNUS SERICEA 'FLAVIRAMEA'	YELLOW TWIG DOGWOOD	3'	3'	3 GAL.	AS SHOWN
	21	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR CREEPING JUNIPER	5'	1.5'	3 GAL.	AS SHOWN
	36	JUNIPERUS SABINA 'BUFFALO'	BUFFALO JUNIPER	5'	1.5'	3 GAL.	AS SHOWN
	17	SPIREA X BUMALDA 'LIMEMOUND'	LIMEMOUND SPIREA	3'	2.5'	3 GAL.	AS SHOWN
	4	PHYSOLCARPUS OPULIFOLIUS 'LITTLE DEVIL'	LITTLE DEVIL DWARF NINEBARK	3'	2'	3 GAL.	AS SHOWN
PERENNIALS/GRASSES							
SYMB.	QTY.	BOTANICAL NAME	COMMON NAME	WT.	HT.	DET.	REMARKS
	58	PENNISETUM 'HAMELN'	DWARF HAMELN GRASS	2'	2'	1 GAL.	AS SHOWN
	57	HEMEROCALLIS X 'HAPPY RETURNS'	HAPPY RETURNS DAYLILLY			PINTS	AS SHOWN
	4,146 SF	ROCK MULCH	MATCH EXISTING SITES IN SIZE AND COLOR				AS SHOWN
	TBD	LANDSCAPE EDGING	MATCH EXISTING ADJACENT SITES				AS SHOWN
	3,457 SF	SOD	MATCH EXISTING ADJACENT SITES				AS SHOWN

1. LANDSCAPE CONTRACTOR TO VERIFY LOCATION OF UNDERGROUND UTILITIES BEFORE BEGINNING WORK.
2. ALL LANDSCAPE SHALL COMPLY WITH THE CURRENT EDITION OF ANSI Z 60.1 "AMERICAN STANDARD FOR NURSERY STOCK."
3. ALL PLANTS SHALL MEET THE REQUIREMENTS OF THE STATE AND FEDERAL LAW WITH RESPECT TO DISEASE AND INSECT INFESTATION.
4. ALL LANDSCAPE SUBSTITUTIONS MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT.
5. FORMAL LINES AND GROUPINGS OF A SPECIES OF TREE, SHRUB, OR GROUNDCOVER SHALL BE MATCHED FOR SIZE, FORM, AND COLOR.
6. ALL BACKFILL IN PLANTING BEDS AND TREE PITS SHALL BE BACKFILLED WITH PLANTING SOIL AS CALLED OUT IN THE SPECIFICATIONS.
7. ALL TREES OUTSIDE OF PLANT BEDS SHALL BE PLANTED WITH A MULCH RING. OBTAIN APPROVAL FROM OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT FOR ANY TREES THAT WILL NOT BE MULCHED FOR EXCESSIVE MOISTURE REASONS.
8. ALL LANDSCAPING SHALL BE INSTALLED AS SHOWN ON THE APPROVED PLAN.
9. AT PLANTING, TREE TRUNKS MUST BE STRAIGHT WITH MINIMAL DOGLEGS.
10. WIRE BASKETS, BURLAP WRAPPINGS, ROPE, TWINE OR ANY SIMILAR SHIPPING MATERIALS SHALL BE REMOVED BEFORE PLANTING.
11. A SPADE CUT EDGE SHALL BE CREATED AT ALL LOCATIONS WHERE PLANTING BEDS ARE ADJACENT TO GRASS AREAS UNLESS OTHERWISE NOTED.
12. DO NOT DISTURB EXISTING UTILITIES WITHIN WORK AREA. SILT FENCE AND PLANTINGS SHALL AVOID ANY EXISTING UTILITIES.
13. THE CONTRACTOR SHALL FOLLOW THE LANDSCAPE PLANS. ANY SUBSTITUTION OR ALTERATION SHALL NOT BE ALLOWED WITHOUT APPROVAL OF THE OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT. OVERALL PLANT QUANTITY AND QUALITY SHALL BE CONSISTENT WITH THE PLANS.
14. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES. WRITTEN QUANTITIES TAKES PRECEDENCE OVER GRAPHIC QUANTITIES. NOTIFY OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT OF DISCREPANCIES.
15. THE OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT RESERVES THE RIGHT TO INSPECT AND TAG ALL PLANT MATERIAL PRIOR TO SHIPPING TO THE SITE. IN ALL CASES, THE LANDSCAPE ARCHITECT MAY REJECT PLANT MATERIAL AT THE SITE IF MATERIAL IS DAMAGED, DISEASED, OR DECLINING IN HEALTH AT THE TIME OF ONSITE INSPECTIONS OR IF THE PLANT MATERIAL DOES NOT MEET THE MINIMUM SPECIFIED STANDARD IDENTIFIED ON THE PLANS AND IN THE SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT FOR INSPECTION AND APPROVAL OF ALL MATERIALS AND PRODUCTS PRIOR TO INSTALLATION.
16. THE OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT MAY ELECT TO UPSIZE PLANT MATERIAL AT THEIR DISCRETION BASED ON SELECTION, AVAILABILITY, OR TO ENHANCE SPECIFIC AREAS OF THE PROJECT. THE CONTRACTOR SHALL VERIFY PLANT MATERIAL SIZES WITH OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT PRIOR TO PURCHASING, SHIPPING OR STOCKING OF PLANT MATERIALS. SUBMIT CHANGE ORDER REQUEST TO OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT FOR APPROVAL IF ADDITIONAL COST IS REQUESTED BY THE CONTRACTOR PRIOR TO INSTALLATION. RE-STOCKING CHARGES WILL NOT BE APPROVED IF THE CONTRACTOR FAILS TO SUBMIT A REQUEST FOR MATERIAL CHANGES.
17. THE CONTRACTOR SHALL WARRANTY ALL CONTRACTED WORK AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER SUBSTANTIAL COMPLETION HAS BEEN ISSUED BY THE OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT FOR THE ENTIRE PROJECT UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS OR SPECIFICATIONS.
18. THE DEVELOPER, HIS SUCCESSORS AND ASSIGNS SHALL BE RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE AND REPLACEMENT OF ALL LANDSCAPING MATERIALS SHOWN OR INDICATED ON THE APPROVED LANDSCAPE PLAN ON FILE WITH THE PLANNING DEPARTMENT. ALL LANDSCAPING WILL BE INSTALLED AS DELINEATED ON THE PLAN, PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY.
19. PRIOR TO INSTALLATION OF PLANT MATERIALS, AREAS THAT HAVE BEEN COMPACTED OR DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE THOROUGHLY LOOSENED TO A DEPTH OF 8" – 12" AND AMENDED PER SPECIFICATIONS.
20. ALL LANDSCAPED AREAS ARE TO HAVE SOIL PREPARATION. (MINIMUM RATE OF 3 CU. YDS. OF ORGANIC MATTER PER 1000 S.F.). TREES SHALL NOT BE LOCATED IN DRAINAGE SWALES, DRAINAGE AREAS, OR UTILITY EASEMENTS. CONTACT OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT FOR RELOCATION OF PLANTS IN QUESTIONABLE AREAS PRIOR TO INSTALLATION.
21. PLACE PLANT MATERIAL IN SHRUB BED SO THAT ONCE PLANTS GROW TO FULL SIZE THEY ARE FULLY CONTAINED WITHIN THE SHRUB BED AREA AND DO NOT HANG OVER THE EDGER LINE.
22. LANDSCAPE MATERIAL LOCATIONS SHALL HAVE PRECEDENCE OVER IRRIGATION MAINLINE AND LATERAL LOCATIONS. COORDINATE INSTALLATION OF IRRIGATION EQUIPMENT SO THAT IT DOES NOT INTERFERE WITH THE PLANTING OF TREES OR OTHER LANDSCAPE MATERIAL.
23. ALL SEEDED SLOPES EXCEEDING 25% IN GRADE (4:1) SHALL RECEIVE EROSION CONTROL BLANKETS. PRIOR TO INSTALLATION, NOTIFY OWNER'S REPRESENTATIVE FOR APPROVAL OF LOCATION AND ANY ADDITIONAL COST IF A CHANGE ORDER IS NECESSARY.
24. WHEN COMPLETE, ALL GRADES SHALL BE WITHIN +/– 1/8" OF FINISHED GRADES AS SHOWN ON THE PLANS.
25. PLANT MATERIALS SHALL CONFORM TO THE STANDARDS OF THE APPROVED PLANT LIST FOR THE CITY. SOD AND OTHER MATERIAL SHALL BE CLEAN AND REASONABLY FREE OF WEEDS AND NOXIOUS PEST AND INSECTS.
39. OTHER PLANTS NOT ON THE LIST MAY BE SUBSTITUTED AT THE DISCRETION OF THE DIRECTOR OF PLANNING. THE APPLICANT MAY BE REQUIRED TO PROVIDE SUBSTANTIATION AS THE HARDINESS, ADAPTABILITY, AND WATER DEMANDS OF THE PLANT WHEN USED IN THIS AREA. FOR MAXIMUM REDUCTION IN WATER USAGE, XERISCAPE PLANTS SHOULD NOT BE INTERSPERSED IN PLANT MASSINGS WITH PLANTS REQUIRING HIGHER WATER USAGE.



4.12.21

STATE OF UTAH
JEREMY D. COACH
No. 9961-6301
Licensed Landscape Architect

CONSTRUCTION

Blue Stakes of UTAH 811

DEVELOPER/OWNER:
Z+H FOODS
4415 HIGHWAY 6
SUGAR LAND, TX 77478
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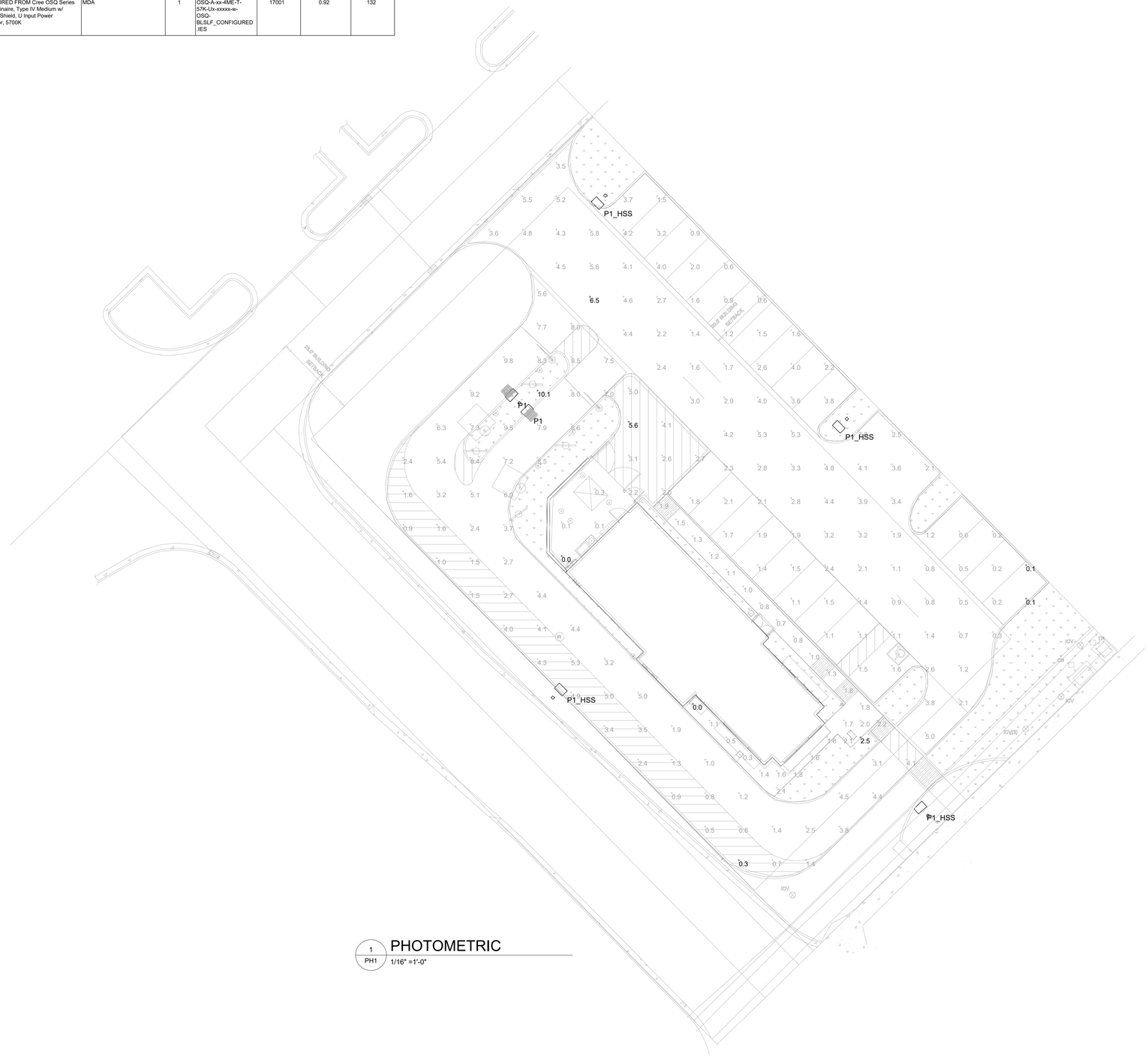
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Schedule											
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
▭	P1	2	Cree Inc	OSQ-A-xx-4ME-T-57K-Ux-xxxxx CONFIGURED FROM OSQ-A-xx-4ME-U-40K-UL-xxxxx	CONFIGURED FROM Cree OSQ Series Area Luminaire, Type IV Medium, U Input Power Designator, 4000K	MDA	1	OSQ-A-xx-4ME-T-57K-Ux-xxxxx_CONFIGURED .IES	22101	0.92	132
▭	P1_HSS	4	Cree Inc	OSQ-A-xx-4ME-T-57K-Ux-xxxxx-w-OSQ-BLSLF CONFIGURED FROM OSQ-A-xx-4ME-U-57K-ULxxxxx w/OSQ-BLSLF	CONFIGURED FROM Cree OSQ Series Area Luminaire, Type IV Medium w/ Backlight Shield, U Input Power Designator, 5700K	MDA	1	OSQ-A-xx-4ME-T-57K-Ux-xxxxx-w-OSQ-BLSLF_CONFIGURED .IES	17001	0.92	132

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Building Sidewalk	+	1.4 fc	2.5 fc	0.0 fc	N/A	N/A
Drive Thru	+	4.4 fc	10.1 fc	0.3 fc	33.7:1	14.7:1
Parking	+	2.5 fc	6.5 fc	0.1 fc	65.0:1	25.0:1
Trash	+	2.3 fc	5.6 fc	0.0 fc	N/A	N/A



1 PH1 PHOTOMETRIC
1/16" = 1'-0"

ARCHITECT
CORALIC, LLC
EDIN CORALIC
2643 CAROUSEL DRIVE,
ST. LOUIS, MO 63125
p: 314.578.4953
edin@coralicarchitecture.com

STRUCTURAL ENGINEER
JAMES C. KREHER
JIM KREHER
208 N. MAIN STREET,
COLUMBIA, IL 62236
p: 618.281.8505
jimk@kreherengineering.com

MEP ENGINEER
Case Engineering
DARREL R. CASE
796 MERUS CT.,
FENTON, MO 63026
T.636.349.1600 ext.289 F.636.349.1730
dcase@caseengineeringinc.com

seal

the individuals name affixed to this sheet indicates that the named professional has prepared or directed the preparation of the material shown only on this sheet. other drawings and documents not exhibiting this name shall not be considered prepared by the undersigned.

NEW CONSTRUCTION FOR:
POPEYES L.K.
1311 N CANYON CREEK PKWY
SPANISH FORK, UT 84660

PROJECT NUMBER:
20035.00

TEST FIT: 10-02-2020

REVISIONS

SITE
PHOTOMETRIC PLAN

PH1

POPEYES
LOUISIANA KITCHEN



STONE VENEER - ELDORADO ROUGH CUT SERIES - 20% MOONLIGHT, 80% AUTUMN LEAF

#3034 Muslin

EIFS - EP-1 (UPPER FACADE)

#3106 Concord

EIFS - EP-2 (ACCENT AND METAL COPING TO MATCH)

#342 Parchment

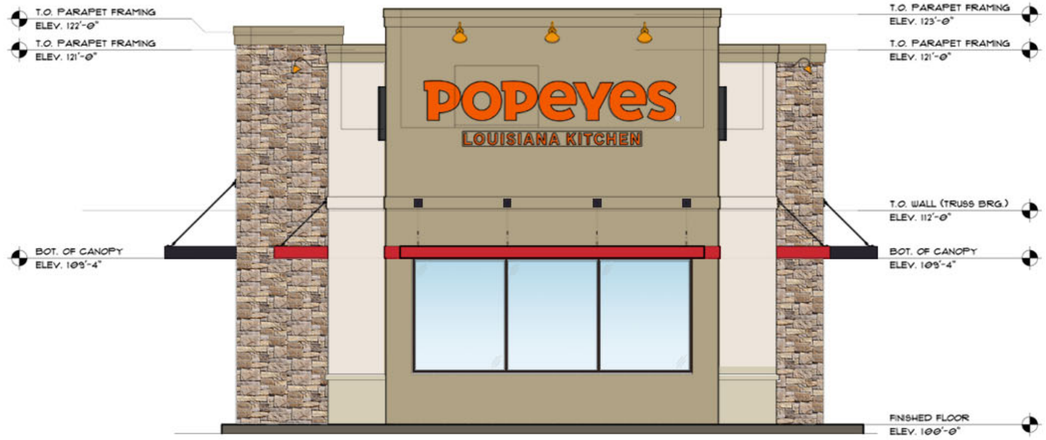
EIFS - EP-3 (BASE FACADE)

PREFINISHED ALUMINUM DOORS AND GOOSENECK LIGHTS

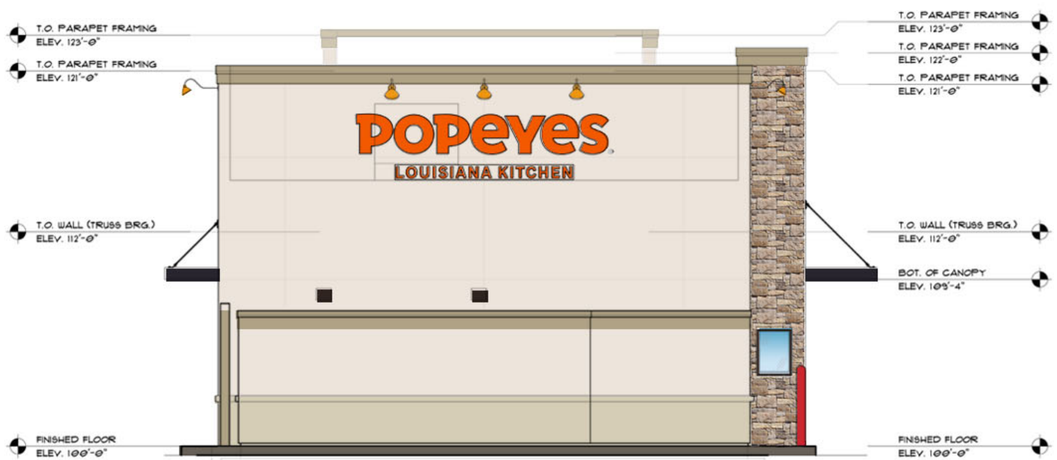
ALL CANOPIES EXCEPT DRIVE-THRU CANOPY AND MAIN ENTRANCE CANOPY (DOUBLE DOOR) WHICH ARE BLACK

ALUMINUM STOREFRONT FRAMES- DARK BRONZE

PREFINISHED METAL SHUTTERS- TEAL



SOUTH ELEVATION



NORTH ELEVATION W/ ATTACHED TRASH ENCLOSURE



NORTH ELEVATION W/O TRASH ENCLOSURE

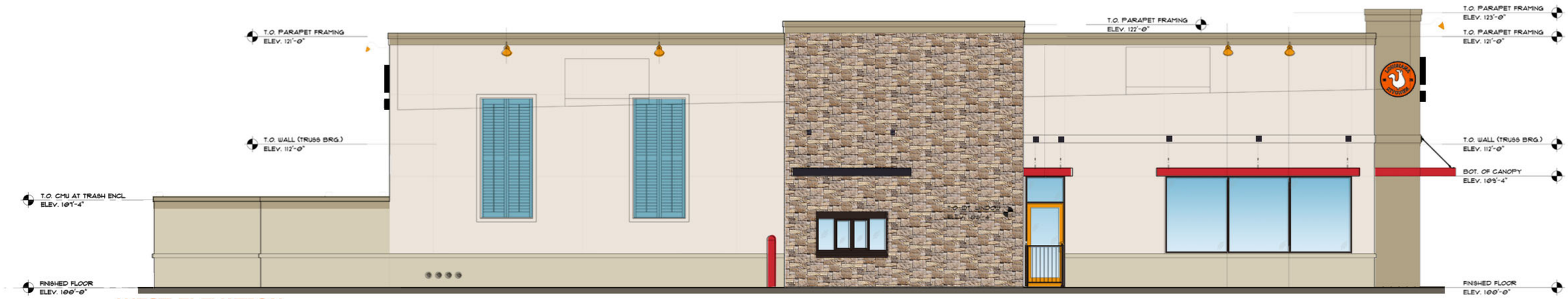
CORALIC ARCHITECTURE
EDIN CORALIC
2643 CAROUSEL DRIVE,
ST. LOUIS, MISSOURI 63125
WWW.CORALICARCHITECTURE.COM
PH. 314-578-4953

1311 N. CANYON CREEK PKWY., SPANISH FORK, UTAH

02-17-2021



EAST ELEVATION



WEST ELEVATION

CORALIC ARCHITECTURE
EDIN CORALIC
2643 CAROUSEL DRIVE,
ST. LOUIS, MISSOURI 63125
WWW.CORALICARCHITECTURE.COM
PH. 314-578-4953

1311 N. CANYON CREEK PKWY., SPANISH FORK, UTAH

02-17-2021

To whom it may concern,

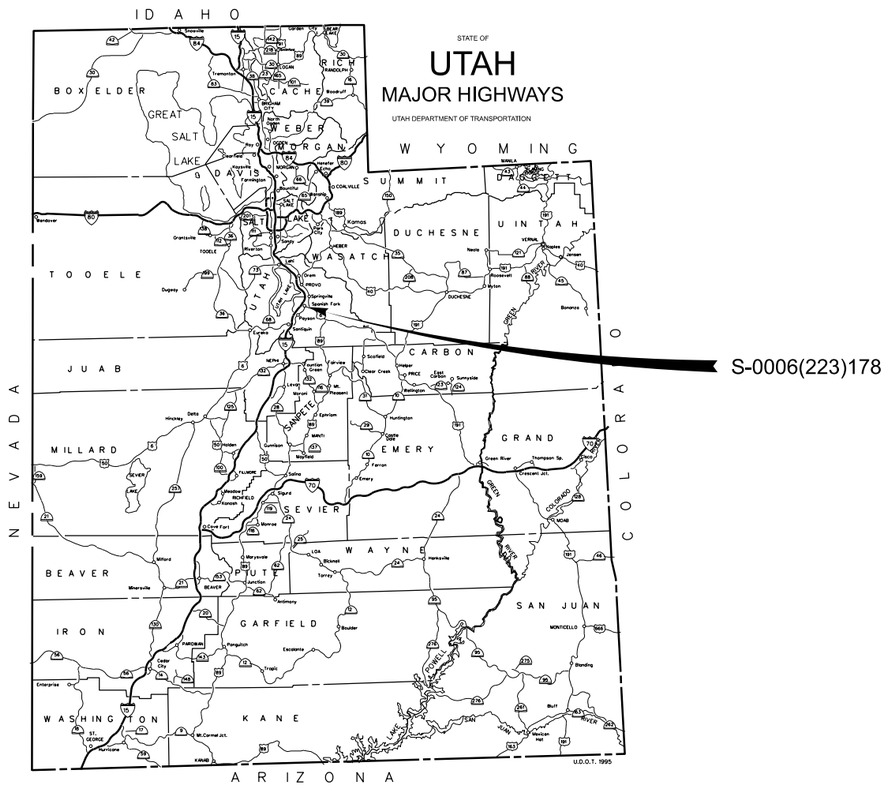
The following have been reviewed and generally approved. Final construction plans are still required for approval once available. All plans are subject to review by the governing municipality.

If you have any questions, please contact me by email at coordination@woodburycorp.com.

Sincerely,

Stuart Spencer
Woodbury Corporation

2733 East Parleys Way, Suite 300 | Salt Lake City, Utah 84109-1662 O (801) 485-7770 | F (801) 485-0209



S-0006(223)178

UTAH
DEPARTMENT OF TRANSPORTATION

SEE SHEET 1A FOR INDEX TO PLAN

SHEET NO.
1

U.S. Standard Units
(Inch-Pound Units)

ALL UNITS IN FEET UNLESS OTHERWISE NOTED

PLANS OF PROPOSED STATE ROAD

STATE FUNDED PROJECT

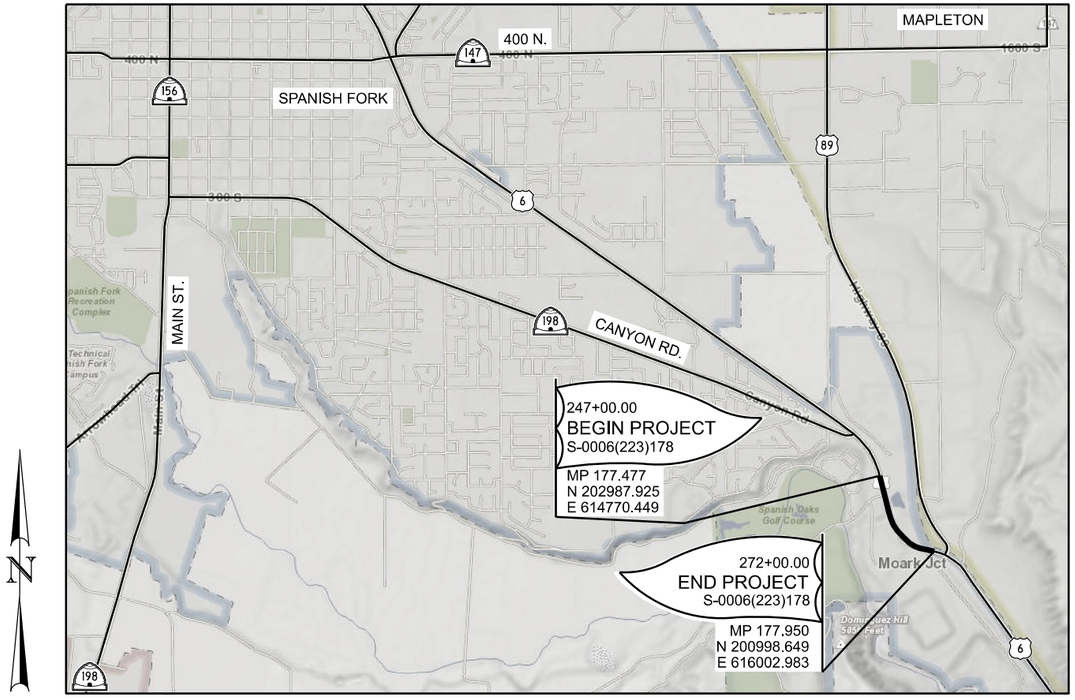
S-0006(223)178 PIN: 18850

US-6 & POWERHOUSE ROAD, SPANISH FORK

TRAFFIC SIGNAL - NEW

UTAH COUNTY

LENGTH 0.473 MILES



THIS SEAL APPLIES TO ALL SHEETS CONTAINING THIS SIGNATURE

VERIFIED FOR SUBMISSION FOR ADVERTISEMENT

DESIGN ENGINEER

UTAH DEPARTMENT OF TRANSPORTATION

APPROVED FOR USE BY UDOT

REGION THREE PRECONSTRUCTION ENGINEER

10-MAY-2021 DGN File:R:\CADD Support Microstation\UDOT_CADD_Standards\UDOT Standards_MBDC\Worksets\20-030 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850_01_Title_Sheet.dgn

INDEX TO SHEETS		
SHEET NO.	**# OF SHEETS**	**DESCRIPTION**
1	1	TITLE
1-A	1	INDEX TO SHEETS
1-C	1	ABBREVIATIONS AND LEGEND
CR-01	1	CROSS REFERENCE
SC-01	1	SURVEY CONTROL
TS-01 TO TS-04	4	TYPICAL SECTION
DT-01	1	DETAIL
SM-01 TO SM-05	5	SUMMARY
RD-01 TO RD-08	8	ROADWAY
SS-01 TO SS-08	8	SIGNING AND STRIPING
SG-01	1	SIGNAL
SG-02	1	SIGNAL CIRCUIT
SG-S01 TO SG-S03	3	SIGNAL SCHEDULE
ATMS-01	1	ATMS
ATMS-S01	1	ATMS SCHEDULE

SUPPLEMENTAL DRAWINGS ARE NOT ATTACHED BUT THE INFORMATION FOUND IN THE SUPPLEMENTAL DRAWINGS APPLIES TO THIS PROJECT.

UTILITY CONTACT TABLE				
UTILITY CONTACT	**COMPANY**	**TYPE**	**EMAIL**	**PHONE**
BLUE STAKES OF UTAH - UTILITY LOCATES				811
JEFF HOUSTON	COMCAST	CATV, FIBER	jeff.houston@telecon.ca	435-224-2356
ALISA FAATZ	CENTRACOM	CATV, PHONE	a.faatz@centracom.com	435-427-3331
ROBERT VIGIL	CENTURYLINK	FIBER, PHONE	robert.vigil3@centurylink.com	801-238-0235
SCOTT WILLIAMS	EMERY TELCOM	PHONE	swilliams@emerytelcom.com	435-748-3126
	VERIZON BUSINESS (MCI)	FIBER	investigations@verizon.com	800-624-9675
JOHN STAPLES	DOMINION ENERGY	GAS	john.staples@dominionenergy.com	801-324-3970
JOEL SIMMONS	ROCKY MOUNTAIN POWER	POWER	gisdept@pacificorp.com	503-813-6993
RYAN BAGLEY	SOUTH UTAH VALLEY ELECTRICAL SD	POWER	ryan@sesdofutah.org	801-465-8020
MASON SPENCER	SPANISH FORK CITY	CTV, DRN, FBR, IRR, GAS, SWR, WTR	mspencer@spanishfork.org	801-804-4577

REVISIONS

NO.	DATE	APPROVED BY	REMARKS
6			
5			
4			
3			
2			
1			

UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

DRAWN BY TAR
QC CHECKED BY PBG

APPROVED
5/10/2021
DATE
PROFESSIONAL ENGINEER

US-6 & POWERHOUSE ROAD
(MP 177.517), SPANISH FORK

PROJECT
PROJECT NUMBER
PIN S-0006(223)178 18850

INDEX TO SHEETS

SHEET NO. 1-A

10-MAY-2021 DGN File:R:\CADD Support Microstation\UDOT CADD Standards\UDOT Standards_MBD\Worksets\20-830 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850_1h_Index_to_Sheets.dgn

LINE STYLES

SURFACE FEATURE LINE STYLES

- CUT — CUT CATCH LINE
- FILL — FILL CATCH LINE
- TEMPORARY BERM
- CABLE BARRIER
- BUILDING
- FENCE, CHAIN LINK
- Fence, Chain Link Existing
- FENCE, WIRE
- Fence, Wire Existing
- FENCE, WOOD
- Fence, Wood Existing
- FLOW LINE
- Flow Line Existing
- GUARDRAIL
- Guardrail Existing
- NOISE WALL
- Noise Wall Existing
- RAILROAD
- Ditch Irrigation
- PAVE CUT — PAVEMENT CUTTING
- SEDIMENT BARRIER
- SILT FENCE
- STRAW BALE
- VEGETATION LINE
- CONCRETE BARRIER
- Concrete Barrier Existing
- Stone Lined Channel
- River Existing

RIGHT OF WAY LINE STYLES

- SEC — SECTION LINE
- 1/4 — QUARTER SECTION LINE
- 40 — 40 ACRE LINE
- CITY BOUNDARY LINE
- PL — PROPERTY LINE
- N/A — HWY NO-ACCESS LINE
- n/a — Existing No-Access Line
- R/W N/A — HWY R/W & NO-ACCESS LINE
- r/w n/a — Existing R/W & No-Access Line
- L/A — HWY LIMITED-ACCESS LINE
- l/a — Existing Limited-Access Line
- R/W L/A — HWY R/W & LIMITED-ACCESS LINE
- r/w l/a — Existing R/W & Limited-Access Line
- RR — RAILROAD R/W LINE
- rr — Existing Railroad R/W Line
- FRTG R/W — FRONTAGE ROAD R/W
- frtg r/w — Existing Frontage Road R/W
- R/W — HIGHWAY R/W
- r/w — Existing Highway R/W
- PE — PERPETUAL EASEMENT
- pe — Existing Perpetual Easement
- TE — TEMPORARY EASEMENT

SUBSURFACE/OVERHEAD LINE STYLES

- BCTV — CABLE BURIED
- bctv — Cable Buried Existing
- CTV — CABLE OVERHEAD
- ctv — Cable Overhead Existing
- CONDUIT
- Conduit Existing
- PC — PIPE CULVERT
- pc — Pipe Culvert Existing
- BE — ELECTRIC BURIED
- be — Electric Buried Existing
- E — ELECTRIC OVERHEAD
- e — Electric Overhead Existing
- FO — FIBER OPTICS
- fo — Fiber Optics Existing
- G — GAS
- g — Gas Existing
- IR — IRRIGATION
- ir — Irrigation Existing
- PETRO — PETROLEUM
- petro — Petroleum Existing
- SWR — SANITARY SEWER
- swr — Sanitary Sewer Existing
- SD — STORM DRAIN
- sd — Storm Drain Existing
- BTEL — TELEPHONE BURIED
- btel — Telephone Buried Existing
- TEL — TELEPHONE OVERHEAD
- tel — Telephone Overhead Existing
- WTR — WATER
- wtr — Water Existing

SIGNAL LINE STYLES

- pwr — Power Source Circuit Existing
- PWR — POWER SOURCE CIRCUIT
- sig — Signal Circuit Existing
- SIG — SIGNAL CIRCUIT
- ped — Pedestrian Circuit Existing
- PED — PEDESTRIAN CIRCUIT
- psh — Push Button Circuit Existing
- PSH — PUSH BUTTON CIRCUIT
- det — Detection Circuit Existing
- DET — DETECTION CIRCUIT
- fut — Future Conduit Existing
- FUT — FUTURE CONDUIT
- ltg — Lighting Circuit Existing
- LTG — LIGHTING CIRCUIT
- vid — Video Detection Circuit Existing
- VID — VIDEO DETECTION CIRCUIT
- rad — Radar Detection Circuit Existing
- RAD — RADAR DETECTION CIRCUIT
- pem — Preemption Circuit Existing
- PEM — PREEMPTION CIRCUIT

SYMBOLS

- ATMS CABINET
- BM — Bench Mark
- Cable TV Box
- Electrical Transformer
- Center Line
- Section Corner Found
- Section Corner Not Found
- A — CURB RETURN RADIUS
- Geotech Drill Hole
- TH # — SUE Test Hole
- TREE
- Fire Hydrant
- Valve
- SIGN, GAS
- GP — Gate Post
- Guy Wire or Anchor
- 1 — HORIZONTAL CURVE (#)
- HORIZONTAL/VERTICAL P.I.
- HORIZONTAL/VERTICAL CURVE POINT
- METER
- JUNCTION BOX STREET LIGHT
- JUNCTION BOX
- LIGHT POLE
- UP — UTILITY POLE
- PS — POWER SOURCE
- MAIL BOX
- ME — MANHOLE ELECTRIC
- MG — MANHOLE GAS
- MT — MANHOLE TELEPHONE
- MSD — MANHOLE STORM DRAIN
- MSS — MANHOLE SANITARY SEWER
- MW — MANHOLE WATER
- MONUMENT
- 24:E — PARCEL BALLOON
- RIGHT OF WAY MARKER
- SIGN (SINGLE POST)
- SIGN (DOUBLE POST)
- Signal Pole Existing
- Delineator
- Water Well
- UNDERGROUND SERVICE PED

PROJECT SPECIFIC SYMBOLS AND LINE STYLES

NOTE:
THE LINE STYLES AND SYMBOLS CONTAINED HEREIN ARE NOT ALL INCLUSIVE. ANY ADDITIONAL LINE STYLES NOT SHOWN HERE ARE SHOWN ON THEIR RESPECTIVE SHEETS WITHIN A LEGEND.

NO.	DATE	APPROVED BY	REMARKS
6			
5			
4			
3			
2			
1			

REVISIONS

UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

APPROVED

PROFESSIONAL ENGINEER

DRAWN BY: TAR
CHECKED BY: PBG
QC: PBG
DATE: 5/10/2021

PROJECT: US-6 & POWERHOUSE ROAD (MP 177.517), SPANISH FORK
PROJECT NUMBER: S-0006(223)178
PIN: 18850

ABBREVIATIONS AND LEGEND

SHEET NO. 1-C

DGN File: R:\CADD Support Microstation\UDOT CADD Standards\UDOT Standards MBDC\Worksets\20-030 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850_TC_Symbols_Line_Styles_Legend.dgn
10-MAY-2021

REVISIONS						
NO.	DATE	APPROVED BY	REMARKS			
1						
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4						
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6						

UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

DRAWN BY: TAR
QC CHECKED BY: PBG

APPROVED

5/10/2021
DATE

PROFESSIONAL ENGINEER

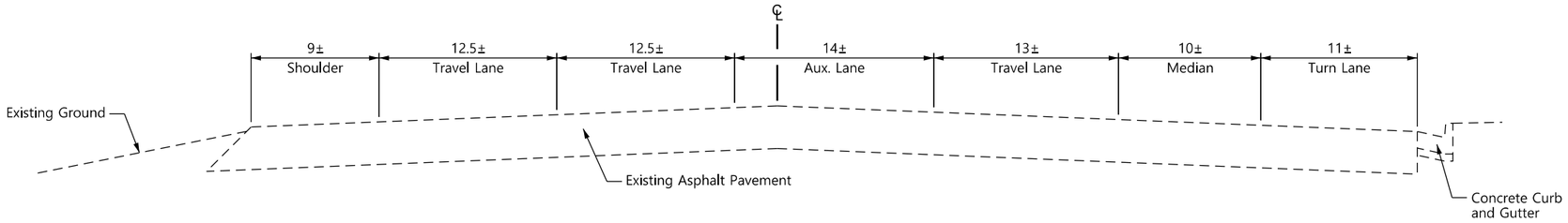
US-6 & POWERHOUSE ROAD
(MP 177.517), SPANISH FORK

PROJECT NUMBER: S-0006(223)178
PIN: 18850

CROSS REFERENCE

SHEET NO. CR-01

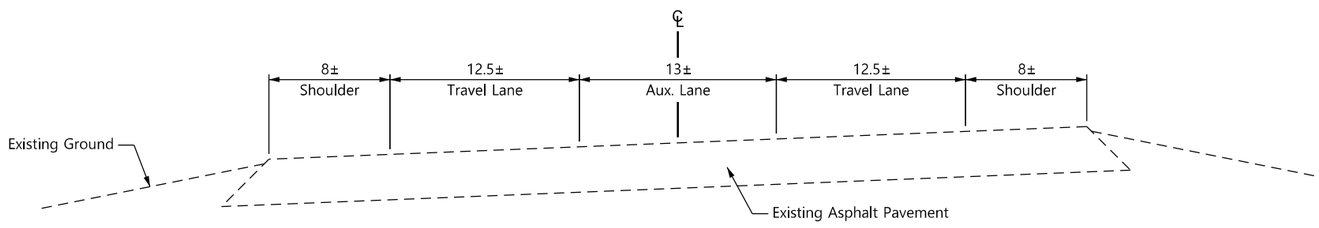
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Existing Section 1

US-6

247+00.00 TO 254+00.00



Existing Section 2

US-6

254+00.00 TO 272+00.00

NO.	DATE	APPROVED BY	REMARKS
1			
2			
3			
4			
5			
6			

REVISIONS

UTAH DEPARTMENT OF TRANSPORTATION

MAINLINE ENGINEERING LLC

DRAWN BY: TAR

QC CHECKED BY: PBG

5/10/2021
DATE

APPROVED

PROFESSIONAL ENGINEER

US-6 & POWERHOUSE ROAD
(MP 177.517), SPANISH FORK

PROJECT

PROJECT NUMBER: S-0006(223)178

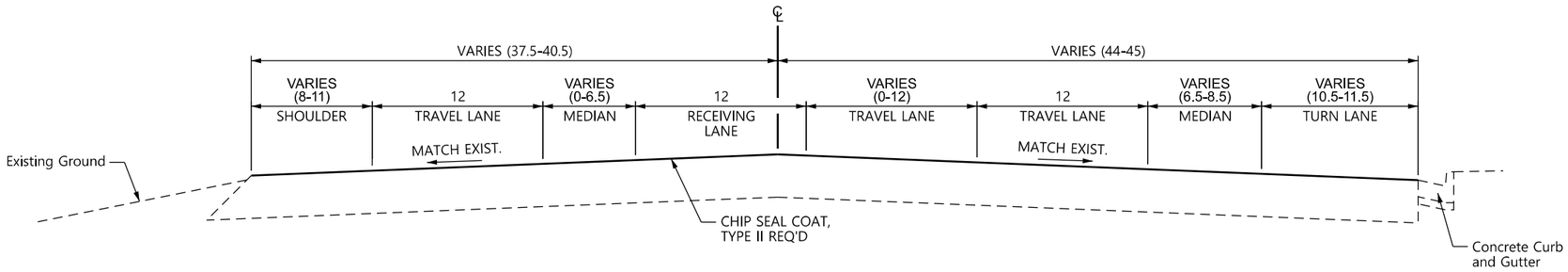
PIN: 18850

TYPICAL SECTION

SHEET NO. TS-01

10-MAY-2021

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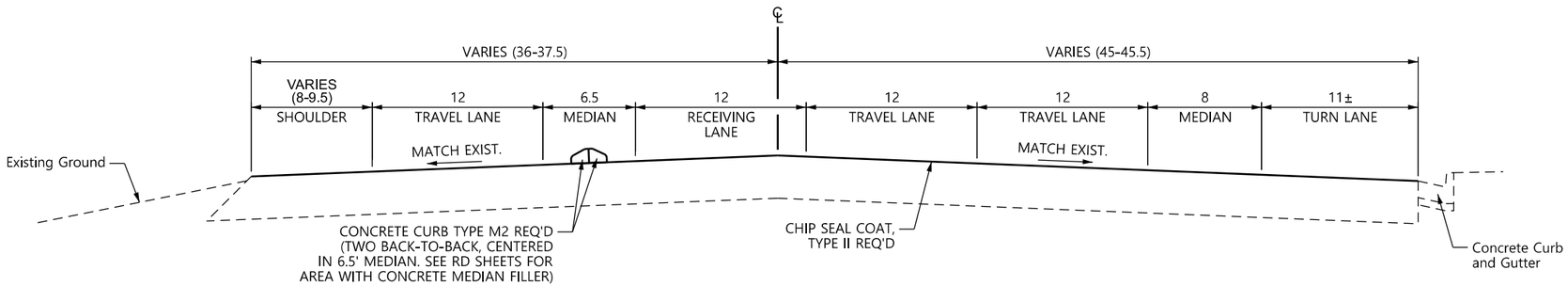
TYPICAL SECTION 1

US-6

248+65.98 TO 252+33.00

DESIGN SPEED 60 MPH

CLEAR ZONE 30 FT



TYPICAL SECTION 2

US-6

252+33.00 TO 254+40.79

DESIGN SPEED 60 MPH

CLEAR ZONE 30 FT

REVISIONS

NO.	DATE	APPROVED BY	REMARKS
1			
2			
3			
4			
5			
6			

UTAH DEPARTMENT OF TRANSPORTATION

MAINLINE ENGINEERING LLC

DRAWN BY TAR

QC CHECKED BY PBG

APPROVED

5/10/2021 DATE

PROFESSIONAL ENGINEER

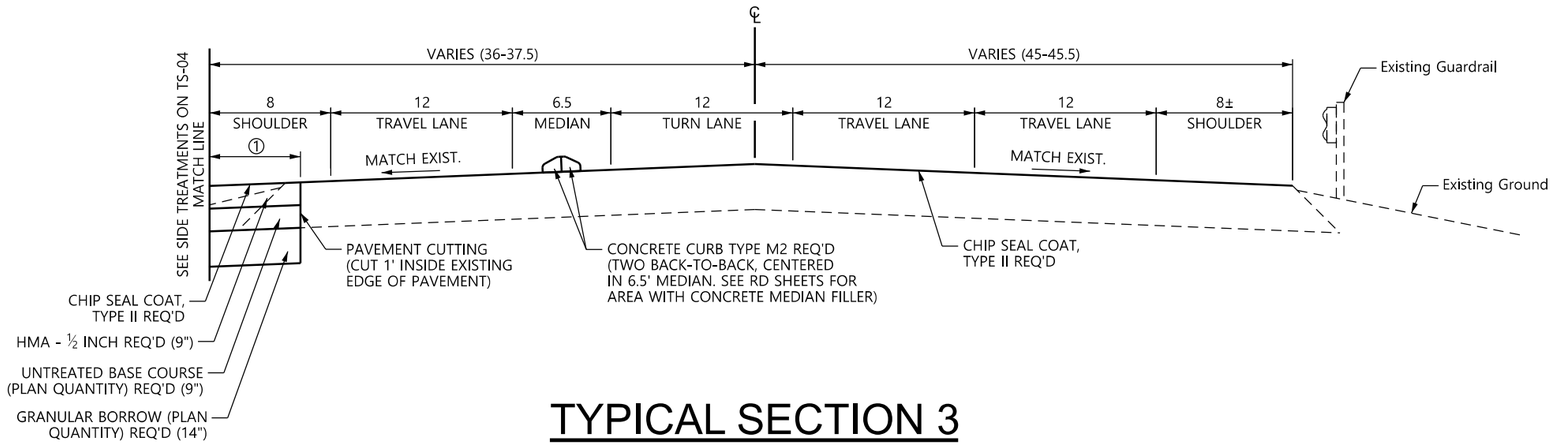
PROJECT: US-6 & POWERHOUSE ROAD (MP 177.517), SPANISH FORK

PROJECT NUMBER: S-0006(223)178 PIN 18850

TYPICAL SECTION

SHEET NO. TS-02

10-MAY-2021 DGN File:R:\CADD Support Microstation\UDOT CADD Standards\UDOT Standards.MBD\Worksets\20-030 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850_TS-02_Typical Sections.dgn



TYPICAL SECTION 3

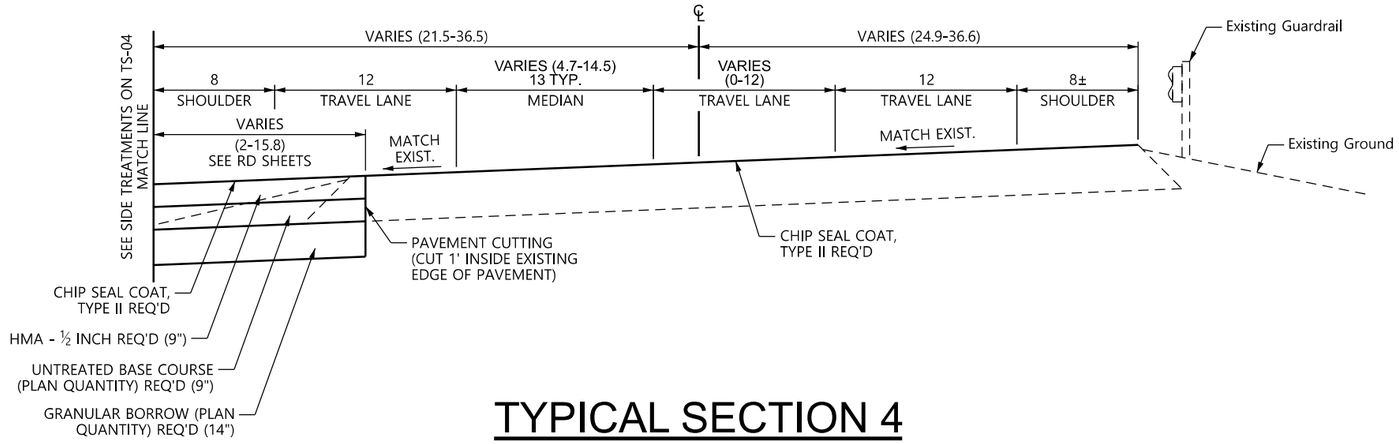
US-6

254+40.79 TO 255+41.00
DESIGN SPEED 60 MPH
CLEAR ZONE 30 FT

NOTES:

① WIDENING VARIES (2.5-6.5), SEE RD SHEETS.

2. MOST COMMON LANE CONFIGURATION SHOWN.



TYPICAL SECTION 4

US-6

255+41.00 TO 271+47.98
DESIGN SPEED 60 MPH
CLEAR ZONE 30 FT

REVISIONS

NO.	DATE	APPROVED BY	REMARKS
1			
2			
3			
4			
5			
6			

UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

APPROVED

5/10/2021
DATE

PROFESSIONAL ENGINEER

DRAWN BY TAR
QC CHECKED BY PBG

US-6 & POWERHOUSE ROAD
(MP 177.517), SPANISH FORK

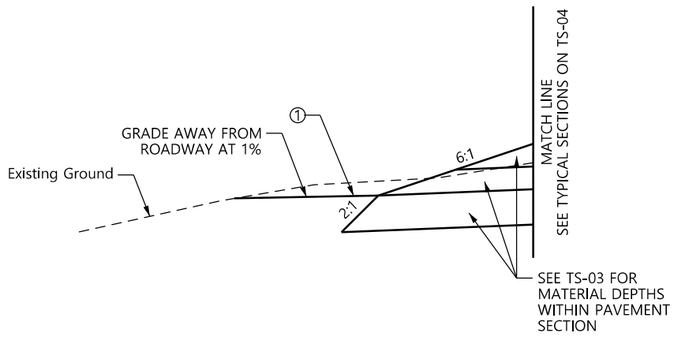
PIN 18850

PROJECT
PROJECT NUMBER S-0006(223)178

TYPICAL SECTION

SHEET NO. TS-03

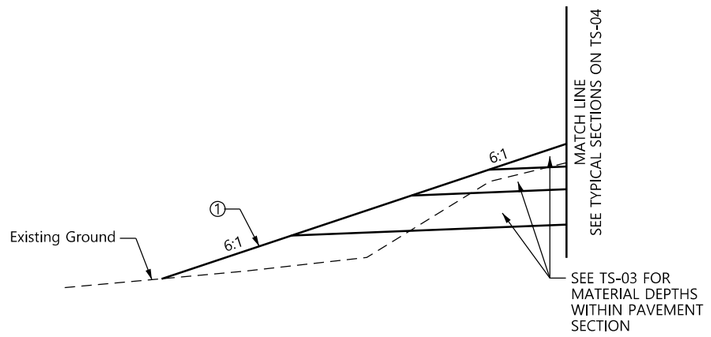
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10-MAY-2021



END TREATMENT A

FLAT CUT

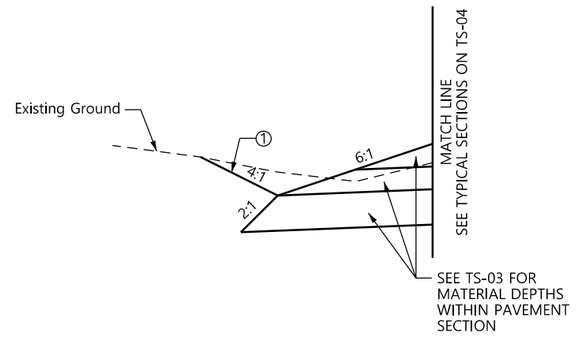
254+40.79 TO 255+41.00
268+15.00 TO 271+47.98



END TREATMENT B

FILL SLOPE

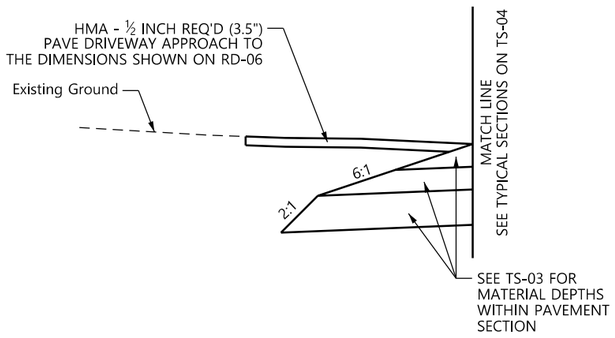
255+41.00 TO 262+80.00
267+30.00 TO 268+15.00



END TREATMENT C

CUT

262+80.00 TO 265+55.00
265+87.00 TO 267+30.00



END TREATMENT D

DRIVEWAY

265+55.00 TO 265+87.00

ROADWAY SEED SCHEDULE

GRASS OR FORB	SPECIES NAME		Number of Seeds per Pound (LBS)	DRILL SEED			BROADCAST SEED		
	BOTANICAL NAME	COMMON NAME		Pounds (LBS) of Pure Live Seed (PLS)/Acre	Percentage of Seed mixture	Number of Seeds (PLS/Sq. Foot)	Pounds (LBS) of Pure Live Seed (PLS)/Acre	Percentage of Seed mixture	Number of Seeds (PLS/Sq. Foot)
	Grass Species								
G	*Achnatherum hymenoides*	Indian ricegrass	141,000	2.60	10.12%	8	3.90	10.12%	13
G	*Agropyron cristatum* 'Fairway'	Fairway Crested wheatgrass	265,250	1.00	7.32%	6	1.50	7.32%	9
G	*Elymus lanceolatus ssp. lanceolatus*	Thickspike wheatgrass	154,000	2.40	10.20%	8	3.60	10.20%	13
G	*Elymus trachycaulus ssp. trachycaulus*	Slender wheatgrass	159,000	3.00	13.17%	11	4.50	13.17%	16
G	*Elymus wawaiensis*	Snake River wheatgrass	120,000	3.50	11.60%	10	5.25	11.60%	14
G	*Festuca ovina* 'Covar'	Covar Sheep fescue	600,000	0.50	8.28%	7	0.75	8.28%	10
G	*Poa secunda ssp. sandbergii*	Sandberg bluegrass	1,047,000	0.30	8.67%	7	0.45	8.67%	11
G	*Sporobolus airoides*	Alkali sacaton	1,758,000	0.20	9.71%	8	0.30	9.71%	12
		Grass Subtotal =		13.50	79.07%	66	20.25	79.07%	99
	Forb Species								
F	*Linum lewsii*	Lewis flax	170,000	1.50	7.04%	6	2.25	7.04%	9
F	*Penstemon palmeri*	Palmer Penstemon	610,000	0.50	8.42%	7	0.75	8.42%	11
F	*Gaillardia arisata*	Blanket flower	132,000	1.50	5.47%	5	2.25	5.47%	7
		Forb Subtotal =		3.50	20.93%	17	5.25	20.93%	26
			TOTALS =	17.00	100.00%	83	25.50	100.00%	125

NOTES:

① APPLY HECP TYPE 1 REQ'D AND BROADCAST SEED REQ'D TO ALL FINISHED SLOPES:

REVISIONS

NO.	DATE	APPROVED BY	REMARKS
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UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

DRAWN BY TAR
QC CHECKED BY PBG
APPROVED
5/10/2021 DATE
PROFESSIONAL ENGINEER

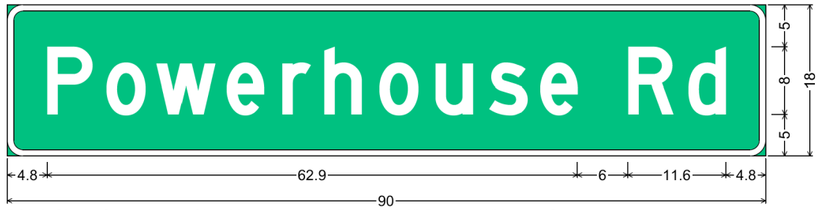
US-6 & POWERHOUSE ROAD
(MP 177.517), SPANISH FORK

PROJECT
PROJECT NUMBER S-0006(223)178 PIN 18850

TYPICAL SECTION

SHEET NO. TS-04

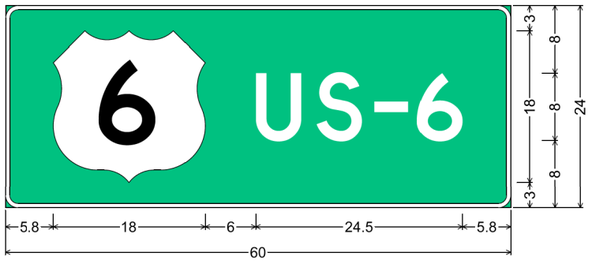
10-MAY-2021 DGN File: R:\C4DD Support Microstation\UDOT-C4DD-Standards\UDOT-Standards-MBDC\Worksets\20-830 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850_TS-04_Typical Sections.dgn



DS3-3 Single Street Name Sign Mast Arm; 1.9" Radius, 0.8" Border, White on Green;
"Powerhouse Rd" D;

MAST ARM MOUNTED SIGN

POLE P2 (50' MAST ARM) AND POLE P3



DS3-3 Single Street Name Sign Mast Arm;
1.5" Radius, 0.5" Border, White on Green;
MS1-4-23a US Route 1 Digit 12" D; "US-6" D;

MAST ARM MOUNTED SIGN

POLE P2 (40' MAST ARM)

NO.	DATE	APPROVED BY	REMARKS
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REVISIONS

UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

DRAWN BY: TAR
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APPROVED
5/10/2021
DATE
PROFESSIONAL ENGINEER

US-6 & POWERHOUSE ROAD
(MP 177.517), SPANISH FORK

PROJECT
PROJECT NUMBER: S-0006(223)178
PIN: 18850

DETAIL

SHEET NO. DT-01

10-MAY-2021 DGN File:R:\CADD Support Microstation\UDOT_CADD_Standards\UDOT Standards_MBD\Worksets\20-830 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850_DT-01.dgn

SUMMARY OF ITEMS

BID ITEM	SPEC	PAY ITEM NAME	UNIT	QTY
1	00830701U	ON THE JOB TRAINING	HOUR	100
2	015017010	MOBILIZATION	LUMP	1
3	015407010	PUBLIC INFORMATION SERVICES	LUMP	1
4	01554700*	TRAFFIC CONTROL	LUMP	1
5	01554701*	PORTABLE VARIABLE MESSAGE SIGN	DEVICE DAY	6
6	01571702P	CHECK DAM - FIBER ROLL	EACH	41
7	015717130	STABILIZED CONSTRUCTION ENTRANCE	EACH	2
8	01572702P	DUST CONTROL AND WATERING	LUMP	1
9	017217010	SURVEY	LUMP	1
10	018927050	RECONSTRUCT MANHOLE	EACH	1
11	02056701*	GRANULAR BORROW (PLAN QUANTITY)	CU YD	1,623
12	02216700*	TEST-HOLE UTILITY	EACH	4
13	022217095	REMOVE PIPE	FT	45
14	022217125	REMOVE CONCRETE CURB AND GUTTER	FT	50
15	022317010	CLEARING AND GRUBBING	LUMP	1
16	02316702*	ROADWAY EXCAVATION (PLAN QUANTITY)	CU YD	2,780
17	026107027	DRAINAGE PIPE - 21 INCH X 15 INCH, METAL, SILT-TIGHT	FT	45
18	026137190	ARCH STEEL END SECTION 21 X 15 INCH	EACH	2
19	027217020	UNTREATED BASE COURSE (PLAN QUANTITY)	CU YD	868
20	02735701*	MICRO-SURFACING (SCRATCH COURSE)	FT	1,566
21	02737701*	ASPHALT PAVEMENT SOFT SPOT REPAIR (CONTINGENCY ITEM)	TON	350
22	02741705*	HMA - 1/2 INCH	TON	1,246
23	027487020	EMULSIFIED ASPHALT (TACK)	TON	3
24	02761702P	LONGITUDINAL RUMBLE STRIP - ASPHALT	FT	1,540
25	02765702*	PAVEMENT MESSAGE PAINT	EACH	14
26	02765703*	REMOVE PAVEMENT MESSAGE	FT	1,392
27	02765705*	PAVEMENT MARKING PAINT	GAL	180
28	02765707*	PAVEMENT MARKING PAINT (STOP LINE, CROSSWALK-12 INCH)	FT	139
29	02765708*	PAVEMENT MARKING PAINT (STOP LINE, CROSSWALK-24 INCH)	FT	55
30	027717058	SINGLE DIAGONAL CORNER PEDESTRIAN ACCESS RAMP	EACH	2
31	02776701P	CONCRETE CURB TYPE M2	FT	597
32	027767020	CONCRETE MEDIAN FILLER	SQ FT	185
33	027767025	CONCRETE CURB AND GUTTER TYPE B1	FT	50
34	027767100	PLOWABLE END SECTION	EACH	2
35	02785703*	CHIP SEAL COAT, LIGHTWEIGHT	SQ YD	17,404
36	02785705*	EMULSIFIED ASPHALT CRS-2P	TON	33
37	028427060	FLEXIBLE DELINEATOR POST - TYPE I	EACH	13
38	029117015	HECP TYPE 1	1000SQFT	12
39	029227040	BROADCAST SEED	1000SQFT	12
40	028917028	SIGN TYPE A-1, 12 INCH X 36 INCH	EACH	3
41	02891703P	SIGN TYPE A-1, 30 INCH X 36 INCH	EACH	2
42	028917065	SIGN TYPE A-1, 36 INCH X 36 INCH	EACH	1
43	02891707P	SIGN TYPE A-1, 36 INCH X 48 INCH	EACH	1
44	028917270	REMOVE SIGN LESS THAN 20 SQUARE FEET	EACH	2
45	028917285	RELOCATE SIGN LESS THAN 20 SQUARE FEET	EACH	1
46	028917320	SLIPBASE SIGN BASE (B3)	EACH	7
47	028917365	SIGN POST P3	EACH	7
48	02892701*	TRAFFIC SIGNAL SYSTEM US-6 AND POWERHOUSE ROAD	LUMP	1
49	135537025	ONE 3-INCH CONDUIT	FT	155
50	135547040	POLYMER CONCRETE JUNCTION BOX, TIER 22, TYPE III	EACH	1
51	13556701P	CLOSED CIRCUIT TELEVISION (CCTV) ASSEMBLY SYSTEM	LUMP	1
52	135947140	6 STRAND PRE-TERMINATED DROP CABLE UNIT	EACH	1

REVISIONS

NO.	DATE	APPROVED BY	REMARKS
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UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

DRAWN BY TAR
QC CHECKED BY PBG

5/12/2021
DATE

APPROVED

PROFESSIONAL ENGINEER

PROJECT: US-6 & POWERHOUSE ROAD (MP 177.517), SPANISH FORK

PROJECT NUMBER: S-0006(223)178 PIN 18850

SUMMARY

SHEET NO. SM-01

12-MAY-2021 DGN File:R:\CADD Support Microstation\UDOT CADD Standards\UDOT Standards.MBDC\Worksets\20-030 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850-SM-01.dgn

MISCELLANEOUS SUMMARY

ITEM	UNITS	QUANTITY	REMARK
ON THE JOB TRAINING	HOUR	100	
MOBILIZATION	LUMP	1	
PUBLIC INFORMATION SERVICES	LUMP	1	
TRAFFIC CONTROL	LUMP	1	
PORTABLE VARIABLE MESSAGE SIGN	DEV-DAY	6	
DUST CONTROL AND WATERING	LUMP	1	
SURVEY	LUMP	1	
RECONSTRUCT MANHOLE	EACH	1	258+90.29 LT 48.90 (RAISE 1')
TEST-HOLE UTILITY	EACH	4	COORD. WITH ENGINEER
CLEARING AND GRUBBING	LUMP	1	
ASPHALT PAVEMENT SOFT SPOT REPAIR (CONTINGENCY ITEM)	TON	350	

TEMPORARY EROSION CONTROL SUMMARY

LINE	FROM		TO		CHECK DAM - FIBER ROLL	STABILIZED CONSTRUCTION ENTRANCE	REMARKS
	STATION	OFFSET	STATION	OFFSET	EACH	EACH	
US-6	254+40.79	LT	270+06.51	LT		2	COORDINATE LOCATIONS WITH ENGINEER
US-6	257+32.64	57.61 LT	265+24.67	49.29 LT	31		
US-6	266+28.19	44.61 LT	269+07.41	41.85 LT	10		
TOTAL					**41**	**2**	

EARTHWORK SUMMARY

LINE	STATION		LENGTH	ROADWAY EXCAVATION (PLAN QUANTITY)	ROADWAY EXCAVATION X 0.87	EMBANKMENT	EXCESS MATERIAL	REMARKS
	FROM	TO	FEET	CU YD	CU YD	CU YD	CU YD	
US-6	254+40.79	270+06.51	1,566	2,780	2,417	121	2,659	
TOTAL				**2,780**	**2,417***	**121***	**2,659***	

*FOR INFORMATION ONLY. THIS ITEM IS NOT MEASURED OR PAID FOR.

PIPE CULVERT SUMMARY

LINE	FROM		TO		REMOVE PIPE	DRAINAGE PIPE - 21 INCH X 15 INCH, METAL, SILT-TIGHT	ARCH STEEL END SECTION 21 X 15 INCH	REMARKS
	STATION	OFFSET	STATION	OFFSET	FEET	FEET	EACH	
US-6	265+45.15	40.24 LT	265+90.38	39.11 LT	45			
US-6	265+46.49	46.53 LT	265+93.32	44.69 LT		45	2	
TOTAL					**45**	**45**	**2**	

REVISIONS

NO.	DATE	APPROVED BY	REMARKS
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UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

DRAWN BY TAR
QC CHECKED BY PBG

APPROVED
5/10/2021
DATE
PROFESSIONAL ENGINEER

US-6 & POWERHOUSE ROAD
(MP 177.517), SPANISH FORK

PROJECT
PROJECT NUMBER
S-0006(223)178
PIN 18850

SUMMARY

SHEET NO. SM-02

10-MAY-2021 DGN File: R:\CADD Support Microstation\UDOT-CADD-Standards\UDOT-Standards-MBD\Worksets\20-030 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850-SM-02.dgn

SURFACING SUMMARY

LINE	STATION		LENGTH	BASE COURSES								HOT MIX ASPHALT					MICRO-SURFACING (SCRATCH COURSE)	CHIP SEAL COAT			REMARKS
				GRANULAR BORROW (PLAN QUANTITY)				UNTREATED BASE COURSE (PLAN QUANTITY)				HMA - 1/2" (PG 64-34)				EMULSIFIED ASPHALT (TACK) 0.13 GAL/YD²		LIGHTWEIGHT		EMULSIFIED ASPHALT CRS-2P 0.45 GAL/SY	
												(152 LB/FT³)				(239 GAL/TON)				239 GAL/TON	
	FROM	TO	FEET	AVG WIDTH FEET	DEPTH IN	VOL FT³	VOL YD³	AVG WIDTH FEET	DEPTH IN	VOL FT³	VOL YD³	AVG WIDTH FEET	DEPTH IN	VOL FT³	TON	TON	FEET	AVG WIDTH FEET	AREA SQ YD	TON	
US-6	248+65.98	271+47.98	2,282															68.6	17,404	33	
US-6	254+40.79	270+06.51	1,566	24.0	14	43,821	1,623	20.0	9	23,436	868	13.8	9	16,227	1,233	3					
US-6	254+40.79	270+06.51	1,566														1,566				SCRATCH COAT OVER EXISTING RUMBLE STRIPS
US-6	253+49.84		25									2	5	21	2						PATCHING NEXT TO CURB
US-6	254+11.61		25									2	5	21	2						AND GUTTER REPLACEMENT
US-6	265+70.00		15									28.75	3.5	126	10						DRIVEWAY TIE-IN, LEFT SIDE
TOTAL							**1,623**				**868**				**1,246**	**3**	**1,566**		**17,404**	**33**	

RUMBLE STRIP SUMMARY

LINE	FROM		TO		LONGITUDINAL RUMBLE STRIP – ASPHALT	REMARKS
	STATION	OFFSET	STATION	OFFSET	FEET	
US-6	254+40.79	29.42 LT	270+06.66	15.76 LT	1,540	PER STD DWG PV 6A, TYPE A
TOTAL					**1,540**	

PAVEMENT MARKING REMOVAL SUMMARY

LINE	FROM		TO		REMOVE PAVEMENT MESSAGE	REMARKS
	STATION	OFFSET	STATION	OFFSET	FEET	
US-6	MP 177.297	RT	247+00.00	18.97 RT	980	DOTTED WHITE LINE
US-6	247+00.00	18.97 RT	247+46.40	20.06 RT	46	DOTTED WHITE LINE
US-6	247+46.40	20.06 RT	248+65.98	22.27 RT	120	8" SOLID WHITE LINE
US-6	247+46.40	20.06 RT	248+65.98	28.76 RT	120	8" SOLID WHITE LINE
US-6	247+40.29	6.86 RT	248+65.92	9.27 RT	126	PERMISSIVE YELLOW LINE
TOTAL					**1,392**	

REVISIONS

NO.	DATE	APPROVED BY	REMARKS
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UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

APPROVED 5/12/2021
DATE

PROFESSIONAL ENGINEER

DRAWN BY TAR
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US-6 & POWERHOUSE ROAD
(MP 177.517), SPANISH FORK

PROJECT
PROJECT NUMBER S-0006(223)178 PIN 18850

SUMMARY

SHEET NO. SM-03

DGN File:R:\CADD Support Microstation\UDOT CADD Standards\UDOT Standards MBDC\Worksets\20-030 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850-SM-03.dgn
12-MAY-2021

PAVEMENT MARKING PAINT SUMMARY

	FROM		TO		4" WHITE				4" YELLOW				8" WHITE		PAVEMENT MESSAGE PAINT	PAVEMENT MARKING PAINT (STOP LINE, CROSSWALK-12 INCH)	PAVEMENT MARKING PAINT (STOP LINE, CROSSWALK-12 INCH)	REMARKS
					190 FT/GAL		760 FT/GAL		95 FT/GAL		152 FT/GAL		95 FT/GAL					
					SOLID		BROKEN		DOUBLE SOLID		SOLID & BROKEN		SOLID					
	STATION	OFFSET	STATION	OFFSET	FEET	GALLON	FEET	GALLON	FEET	GALLON	FEET	GALLON	FEET	GALLON	EACH	FEET	FEET	
US-6	MP 177.297	RT	247+00.00	18.97 RT			980	1.3										
US-6	247+00.00	18.97 RT	252+85.08	14.50 RT			585	0.8										
US-6	247+40.29	6.86 RT	252+90.08	2.50 RT					550	5.8								
US-6	248+26.71	17.63 LT	259+24.32	16.12 LT									1,098	11.6				
US-6	248+26.71	17.63 LT	259+24.32	16.12 LT									1,098	11.6				
US-6	248+65.98	4.73 LT	251+82.86	2.50 RT					317	3.3								
US-6	248+65.98	29.46 LT	271+02.39	12.26 LT	2,236	11.8												
US-6	249+08.88	30.01 RT	253+25.08	26.50 RT									416	4.4				
US-6	249+08.88	30.01 RT	253+25.08	34.50 RT									416	4.4				
US-6	250+29.11	38.80 RT	253+05.08	39.97 RT											3			3 RT TURN ARROWS
US-6	252+85.08	14.50 RT	253+25.08	14.50 RT	40	0.2												
US-6	252+90.08	2.50 RT	252+90.08	14.50 RT													12	
US-6	253+25.08	14.50 RT	253+25.08	45.62 RT													31	
US-6	253+48.54	53.01 RT	254+11.45	48.38 RT												63		
US-6	253+55.82	62.50 RT	254+07.88	58.67 RT												52		
US-6	253+83.98	64.44 RT	254+07.79	62.69 RT												24		
US-6	253+89.82	84.44 RT	253+90.18	144.44 RT											2			2 LT TURN ARROWS
US-6	254+01.69	84.44 RT	254+03.21	144.44 RT											2			2 RT TURN ARROWS
US-6	254+41.00	9.50 LT	254+41.00	2.50 RT													12	
US-6	254+41.00	2.50 RT	262+41.11	1.64 LT					800	8.4								
US-6	254+41.00	14.50 RT	255+47.88	14.50 RT			107	0.1										
US-6	254+41.00	26.50 RT	271+40.23	25.00 RT	1,699	8.9												
US-6	254+61.00	3.50 LT	259+04.17	9.86 LT											3			3 LT TURN ARROWS
US-6	255+39.07	20.50 RT													2			LANE DROP ARROW
US-6	256+41.29	2.50 RT	262+41.00	16.18 LT					600	6.3								
US-6	262+41.00	16.18 LT	270+61.30	0.84 LT							820	5.4						
US-6	262+41.11	1.64 LT	270+60.94	12.15 RT							820	5.4						
US-6	263+64.15	15.60 RT													2			LANE DROP ARROW
US-6	270+61.30	0.84 LT	271+15.04	0.19 RT					54	0.6								
TOTAL					3,976	20.9	1,672	2.2	2,321	24.4	1,640	10.8	3,028	31.9				
TOTAL GALLONS (FIRST APPLICATION)					23.1				35.2				31.9		14	139	55	
TOTAL GALLONS (SECOND APPLICATION)					23.1				35.2				31.9					
GRAND TOTAL (GALLONS)					180													

CONCRETE SUMMARY

LINE	FROM		TO		LENGTH	WIDTH	REMOVE CONCRETE CURB AND GUTTER	PLOWABLE END SECTION	CONCRETE CURB TYPE M2	CONCRETE MEDIAN FILLER	CONCRETE CURB AND GUTTER TYPE B1	SINGLE DIAGONAL CORNER PEDESTRIAN ACCESS RAMP	REMARKS
	STATION	OFFSET	STATION	OFFSET	FEET	FEET	FEET	EACH	FEET	SQ FT	FEET	EACH	
US-6	252+33.00	12.75 LT	252+39.00	12.75 LT	6			1					
US-6	252+39.00	12.75 LT	255+35.00	12.75 LT	296				296				MEDIAN LEFT SIDE
US-6	252+39.00	12.75 LT	253+57.96	12.75 LT	119				119				MEDIAN RIGHT SIDE
US-6	253+57.96	12.75 LT	253+85.51	2.29 LT	30				30				
US-6	253+85.51	2.29 LT	254+13.06	12.75 LT	30				30				
US-6	254+13.06	12.75 LT	255+35.00	12.75 LT	122				122				
US-6	255+35.00	12.75 LT	255+41.00	12.75 LT	6			1					
US-6	253+57.96	12.75 LT	254+13.06	12.75 LT	55	0' TO 10.5'				185			
US-6	253+41.43	50.97 RT	253+54.34	66.58 RT	25		25				25		
US-6	253+49.84	57.93 RT										1	
US-6	254+10.30	64.37 RT	254+19.07	44.03 RT	25		25				25		
US-6	254+11.61	53.38 RT										1	
TOTAL							50	2	597	185	50	2	

REVISIONS

NO.	DATE	APPROVED BY	REMARKS
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UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

DRAWN BY TAR
QC CHECKED BY PBG
5/12/2021 DATE

APPROVED

PROFESSIONAL ENGINEER

US-6 & POWERHOUSE ROAD
(MP 177.517), SPANISH FORK

PROJECT

PROJECT NUMBER S-0006(223)178 PIN 18850

SUMMARY

SHEET NO. SM-04

DGN: File:R:\CADD Support Microstation\UDOT_CADD_Standards\UDOT Standards_MBD\Worksets\20-830 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850-SM-04.dgn
12-MAY-2021

DELINEATOR SUMMARY

LINE	FROM		FLEXIBLE DELINEATOR POST TYPE I	REMARKS
	STATION	OFFSET	EACH	
US-6	253+50.00	40.48 LT	1	
US-6	257+00.00	40.00 LT	1	
US-6	259+00.00	40.00 LT	1	
US-6	260+00.00	40.37 LT	1	
US-6	261+00.00	40.48 LT	1	
US-6	262+00.00	40.32 LT	1	
US-6	263+00.00	39.90 LT	1	
US-6	264+00.00	39.07 LT	1	
US-6	265+00.00	37.54 LT	1	
US-6	266+00.00	35.77 LT	1	
US-6	267+00.00	33.77 LT	1	
US-6	268+00.00	31.55 LT	1	
US-6	269+00.00	29.13 LT	1	
TOTAL			13	

LANDSCAPING SUMMARY

LINE	FROM		TO		HECP TYPE 1	BROADCAST SEED	REMARKS
	STATION	OFFSET	STATION	OFFSET	1000-SQ FT	1000-SQ FT	
US-6	254+40.79	LT	270+06.51	LT	12	12	
TOTAL					12	12	

SIGNING SUMMARY

LINE	STATION	OFFSET	SIGN #	SIGN DESCRIPTION	MUTCD CODE	SIGN CODE	SIGN COLOR	SIGN FACE TYPE A-1 12 X 36	SIGN FACE TYPE A-1 30 X 36	SIGN FACE TYPE A-1 36 X 36	SIGN FACE TYPE A-1 36 X 48	POST P3 TUBE STEEL	BASE B3	RELOCATE SIGN < 20 SQ FT	REMOVE SIGN < 20 SQ FT	REMARKS
								EA	EA	EA	EA	EA	EA	EA	EA	
US-6	MP 177.355	RT	--	RIGHT LANE ENDS	W9-1R	X	BK/Y								1	
US-6	246+57.19	48.48 RT	1.1	TRUCKS USE RIGHT LANE	R4-5	N	BK/W				1	1	1			
US-6	252+42.00	12.75 LT	2.1	OBJECT MARKER - CENTER	OM3-C	N	BK/Y	1				1	1			SEE STD DWG GW 1C
US-6	253+78.29	54.47 LT	3.1	RIGHT TURN ONLY	R3-5R	N	BK/W		1							MOUNT UNDER EXIST. STOP SIGN, LOCATION APPROX.
US-6	253+85.51	6.75 LT	3.2	OBJECT MARKER - RIGHT	OM3-R	N	BK/Y	1				1	1			SEE STD DWG GW 1C
US-6	253+85.51	8.75 LT	3.3	ONE WAY WITH ARROW	R6-2R	N	BK/Y		1			1	1			SEE STD DWG GW 1C
US-6	254+21.93	56.09 RT	3.4	STOP SIGN	R1-1	X	W/R								1	AFTER SIGNAL IS OPERATIONAL
US-6	254+50.00	45.00 RT	3.5	RIGHT LANE MERGE	W4-2R	N	BK/Y			1		1	1			
US-6	255+32.00	12.75 LT	3.6	OBJECT MARKER - CENTER	OM3-C	N	BK/Y	1				1	1			SEE STD DWG GW 1C
US-6	263+80.01	42.34 LT	6.1	HIGH LOAD ROUTE AHEAD	D1-1	R	W/G					1	1	1		EXIST. 263+79.92 LT 34.13
								3	2	1	1	7	7	1	2	

SIGNING KEY

SIGN COLOR	SIGN CODE
W = WHITE	R =RELOCATION
G = GREEN	N = NEW SIGN
BL = BLUE	X = REMOVE
BR = BROWN	AUX = AUXILIARY SIGN
BK = BLACK	PR = PANEL REPLACEMENT
Y = YELLOW	
R = RED	

REVISIONS

NO.	DATE	APPROVED BY	REMARKS
1			
2			
3			
4			
5			
6			

UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

DRAWN BY TAR
QC CHECKED BY PBG
5/12/2021 DATE
APPROVED
PROFESSIONAL ENGINEER

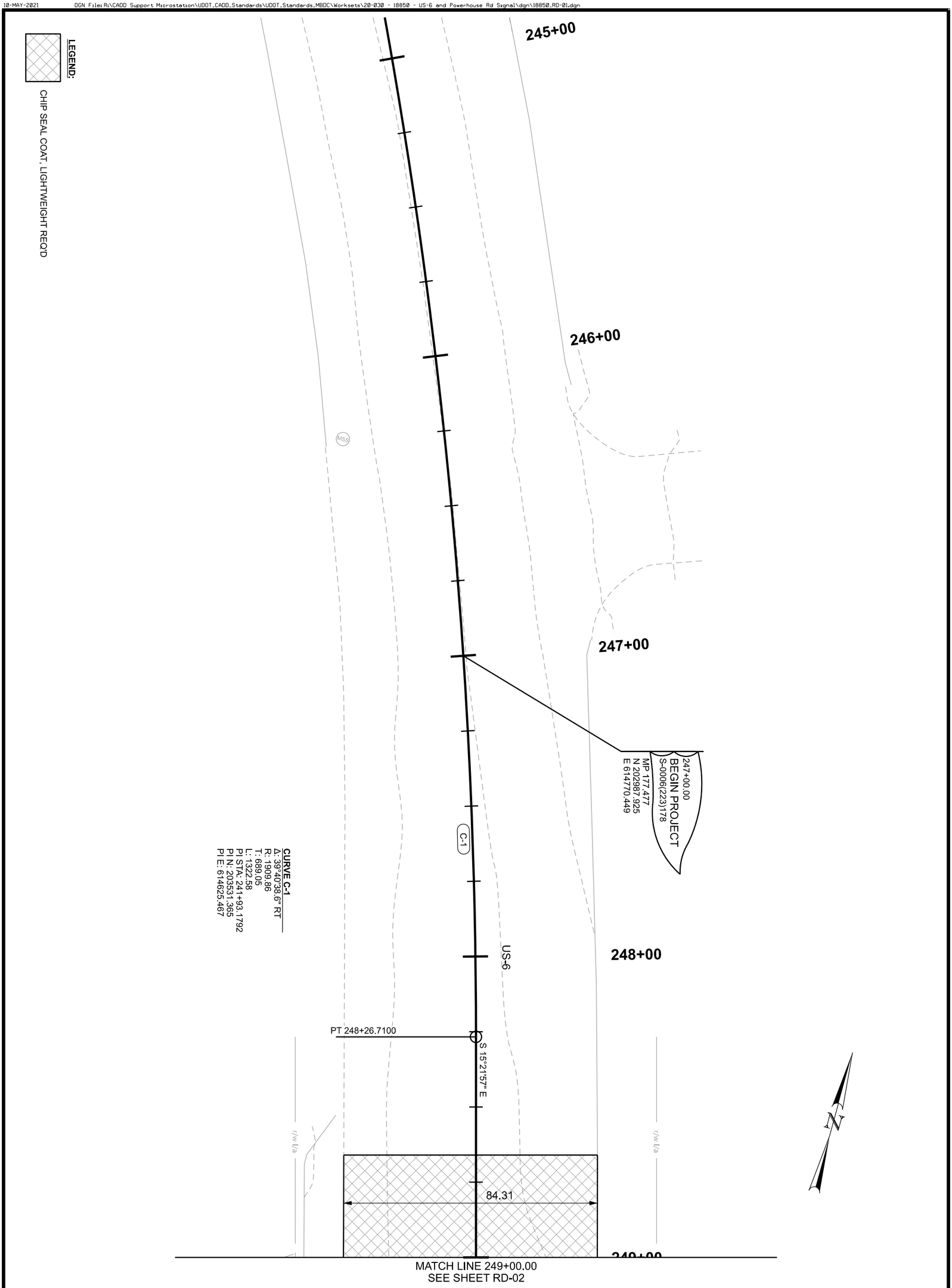
US-6 & POWERHOUSE ROAD
(MP 177.517), SPANISH FORK

PROJECT
PROJECT NUMBER S-0006(223)178 PIN 18850

SUMMARY

SHEET NO. SM-05

12-MAY-2021 DGN File:R:\CADD Support Microstation\UDOT CADD Standards\UDOT Standards.MBD\Worksets\20-830 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850-SM-05.dgn



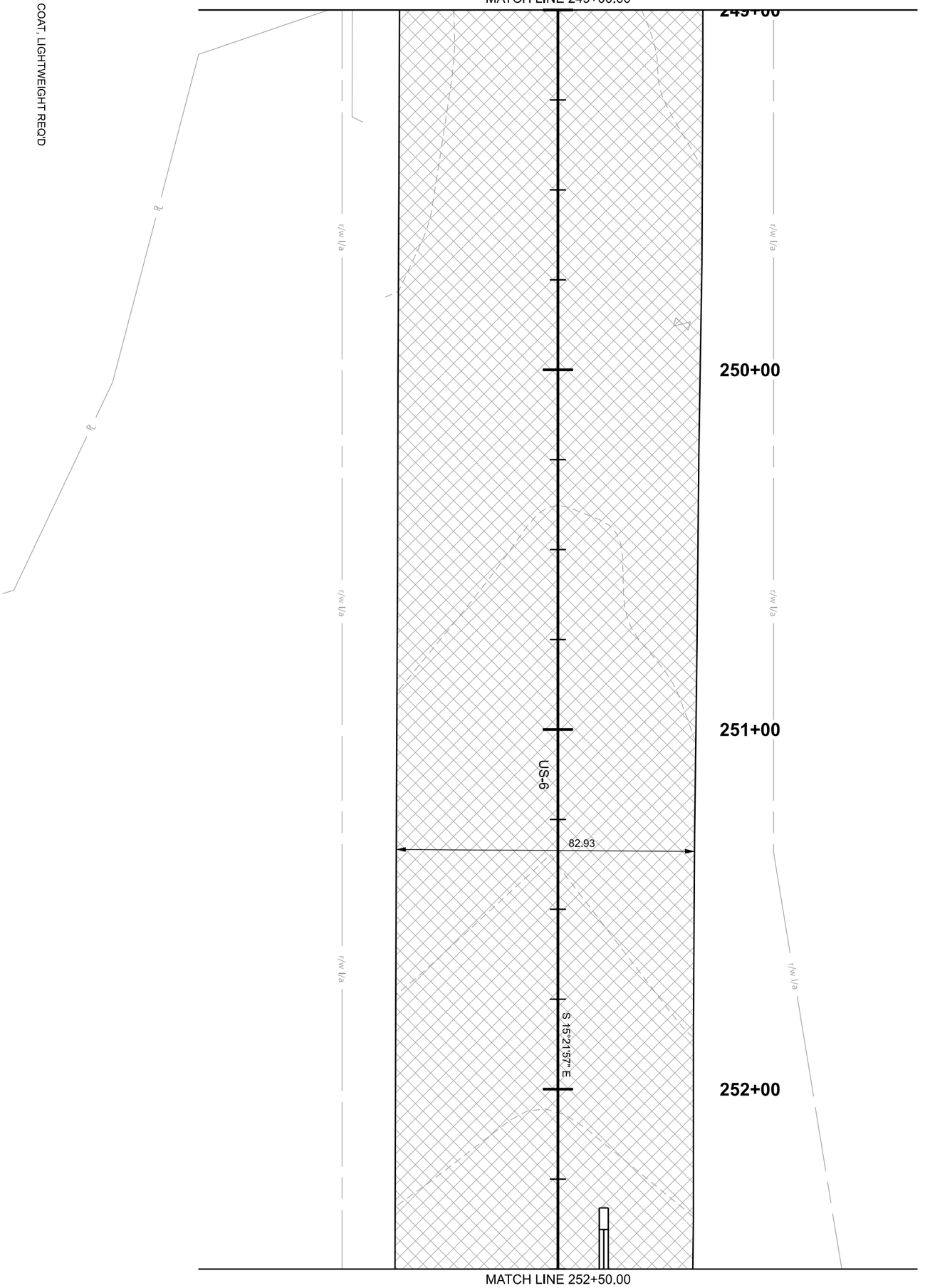
SHEET NO. RD-01	PROJECT	US-6 & POWERHOUSE ROAD	UTAH DEPARTMENT OF TRANSPORTATION			REVISIONS	
		(MP 177.517), SPANISH FORK	MAINLINE ENGINEERING LLC				
	PROJECT NUMBER	S-0006(223)178 PIN 18850	APPROVED	DRAWN BY TAR			
	ROADWAY		PROFESSIONAL ENGINEER 5/10/2021 DATE	QC CHECKED BY PBG			

NO.	DATE	APPROVED BY	REMARKS
6			
5			
4			
3			
2			
1			

LEGEND:

CHIP SEAL COAT; LIGHTWEIGHT REQ'D

SEE SHEET RD-01
MATCH LINE 249+00.00



PLOWABLE END SECTION REQ'D
252+33.00 LT 12.75 TO
252+39.00 LT 12.75

CONCRETE CURB TYPE M2 REQ'D
[LT SIDE]
252+39.00 LT 12.75 TO
MATCH LINE LT 12.75
[RT SIDE]
252+39.00 LT 12.75 TO
MATCH LINE LT 12.75



MATCH LINE 252+50.00
SEE SHEET RD-03

SHEET NO. RD-02

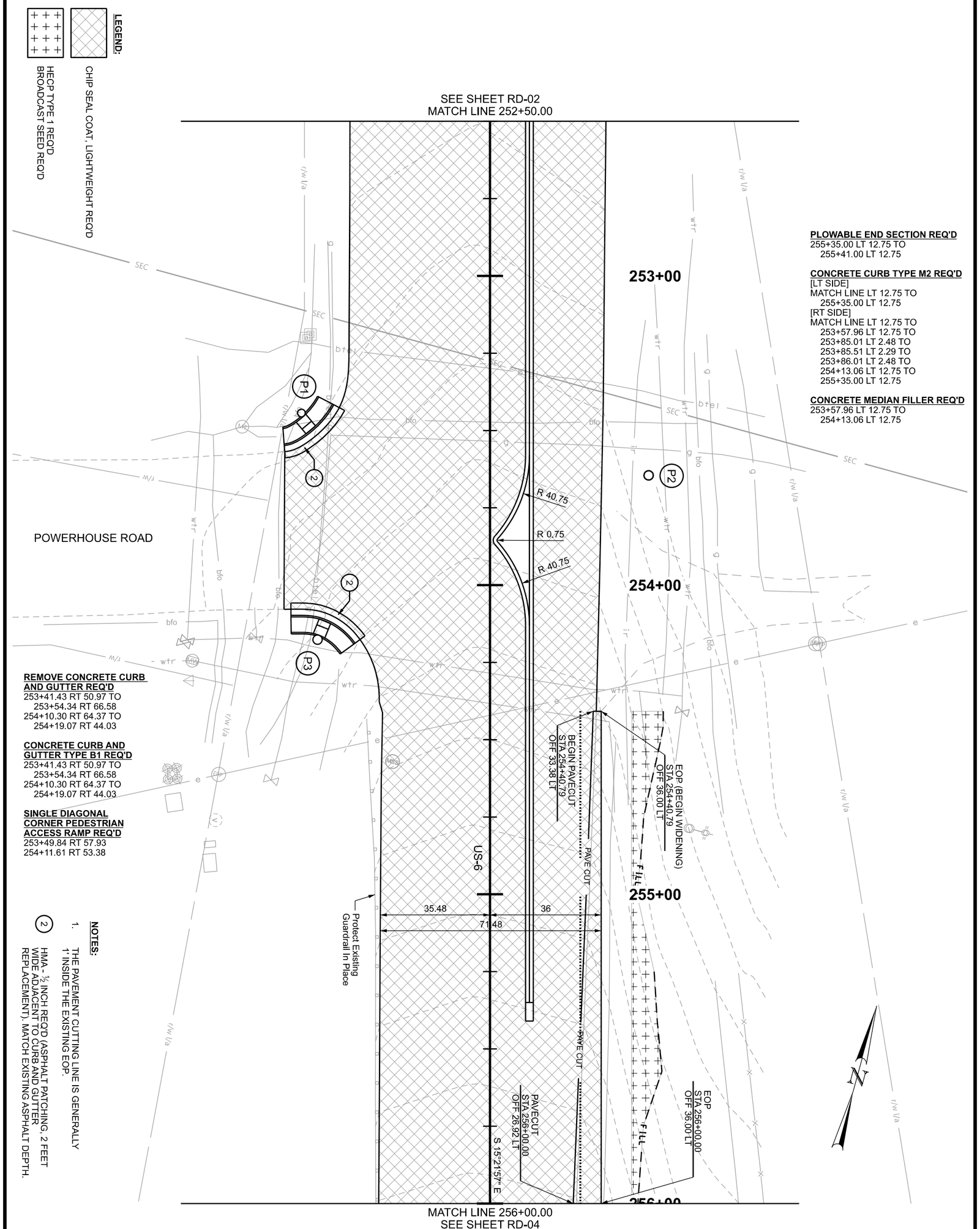
PROJECT	US-6 & POWERHOUSE ROAD		
	(MP 177.517), SPANISH FORK		
PROJECT NUMBER	S-0006(223)178	PIN	18850
	ROADWAY		

UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

APPROVED
PROFESSIONAL ENGINEER — 5/10/2021 DATE

DRAWN BY: TAR
QC CHECKED BY: PBG

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS
6			
5			
4			
3			
2			
1			



PLOWABLE END SECTION REQ'D
255+35.00 LT 12.75 TO
255+41.00 LT 12.75

CONCRETE CURB TYPE M2 REQ'D
[LT SIDE]
MATCH LINE LT 12.75 TO
255+35.00 LT 12.75
[RT SIDE]
MATCH LINE LT 12.75 TO
253+57.96 LT 12.75 TO
253+85.01 LT 2.48 TO
253+85.51 LT 2.29 TO
253+86.01 LT 2.48 TO
254+13.06 LT 12.75 TO
255+35.00 LT 12.75

CONCRETE MEDIAN FILLER REQ'D
253+57.96 LT 12.75 TO
254+13.06 LT 12.75

REMOVE CONCRETE CURB AND GUTTER REQ'D
253+41.43 RT 50.97 TO
253+54.34 RT 66.58
254+10.30 RT 64.37 TO
254+19.07 RT 44.03

CONCRETE CURB AND GUTTER TYPE B1 REQ'D
253+41.43 RT 50.97 TO
253+54.34 RT 66.58
254+10.30 RT 64.37 TO
254+19.07 RT 44.03

SINGLE DIAGONAL CORNER PEDESTRIAN ACCESS RAMP REQ'D
253+49.84 RT 57.93
254+11.61 RT 53.38

NOTES:

1. THE PAVEMENT CUTTING LINE IS GENERALLY 1' INSIDE THE EXISTING EOP.

(2) HMA - ½ INCH REQ'D (ASPHALT PATCHING, 2 FEET WIDE ADJACENT TO CURB AND GUTTER REPLACEMENT), MATCH EXISTING ASPHALT DEPTH.

SHEET NO. RD-03	PROJECT	US-6 & POWERHOUSE ROAD	**UTAH DEPARTMENT OF TRANSPORTATION**		
		(MP 177.517), SPANISH FORK	MAINLINE ENGINEERING LLC		
	PROJECT NUMBER	S-0006(223)178 PIN 18850	APPROVED	DRAWN BY TAR	
	ROADWAY		PROFESSIONAL ENGINEER 5/10/2021 DATE	QC CHECKED BY PBG	

REVISIONS				
NO.	DATE	APPROVED BY	REMARKS	
6				
5				
4				
3				
2				
1				

CHECK DAM - FIBER ROLL REQ'D
257+32.64 LT 57.61
257+62.85 LT 58.69
257+88.14 LT 58.22
258+10.96 LT 58.11
258+34.35 LT 57.66
258+58.10 LT 56.21
258+79.82 LT 54.85
259+04.09 LT 53.94
259+32.01 LT 51.48

RECONSTRUCT MANHOLE REQ'D
258+90.29 LT 48.90

EOP CURVE A
R: 1145.00
L: 462.343
CTR N: 202148.971
CTR E: 616230.137

EOP PC CURVE A
STA 258+95.85
OFF 36.00 LT

RAISE MANHOLE 1'

EOP
STA 256+00.00
OFF 36.00 LT

EOP
STA 259+50.00
OFF 36.22 LT

256+00 257+00 258+00 259+00

FILL

PAVE CUT

PAVECUT
STA 256+00.00
OFF 26.92 LT

PAVECUT
STA 259+50.00
OFF 21.51 LT

15.73

PC 259+01.6700

A

S 15°21'57" E

US-6

C-2

55.5

SEE SHEET RD-03
MATCH LINE 256+00.00

MATCH LINE 259+50.00
SEE SHEET RD-05

Protect Existing
Guardrail In Place

CURVE C-2
Δ: 59°00'00.0" LT
R: 1145.92
T: 648.33
L: 1180.00
PI STA: 265+50.0003
PI N: 201205.258
PI E: 615264.692

LEGEND:

CHIP SEAL COAT, LIGHTWEIGHT REQ'D

HECP TYPE 1 REQ'D
BROADCAST SEED REQ'D

NOTES:

1. THE PAVEMENT CUTTING LINE IS GENERALLY 1' INSIDE THE EXISTING EOP.

r/w l/a

DGN File:R:\CADD Support Microstation\UDOT CADD Standards\UDOT Standards_MBDC\Worksets\20-030 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850_RD-04.dgn
10-MAY-2021

REVISIONS

NO.	DATE	APPROVED BY	REMARKS
1			
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4			
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6			

UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

DRAWN BY TAR
CHECKED BY PBG
QC

5/10/2021
DATE

APPROVED

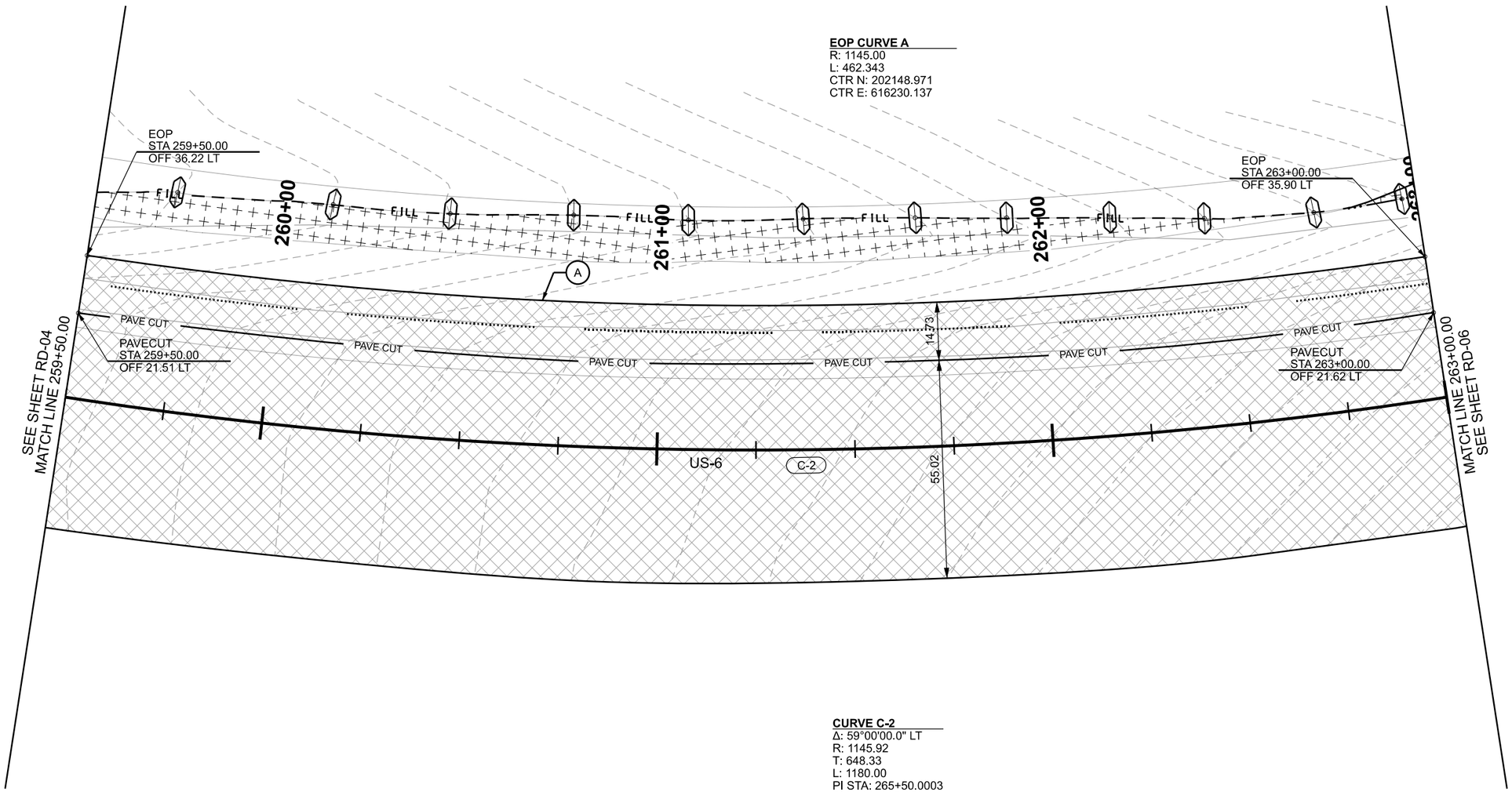
PROFESSIONAL ENGINEER

PROJECT: US-6 & POWERHOUSE ROAD (MP 177.517), SPANISH FORK
PROJECT NUMBER: S-0006(223)178
PIN: 18850
ROADWAY

SHEET NO. RD-04

CHECK DAM - FIBER ROLL REQ'D
259+71.18 LT 55.26
260+12.52 LT 56.77
260+43.70 LT 56.96
260+76.52 LT 58.37
261+07.02 LT 57.93
261+37.54 LT 58.29
261+67.31 LT 57.91
261+91.59 LT 56.82
262+18.91 LT 55.14
262+43.82 LT 52.63
262+72.74 LT 50.91
262+96.27 LT 51.21

EOP CURVE A
R: 1145.00
L: 462.343
CTR N: 202148.971
CTR E: 616230.137



CURVE C-2
Δ: 59°00'00.0" LT
R: 1145.92
T: 648.33
L: 1180.00
PI STA: 265+50.0003
PI N: 201205.258
PI E: 615264.692

LEGEND:

CHIP SEAL COAT, LIGHTWEIGHT REQ'D

HECP TYPE 1 REQ'D
BROADCAST SEED REQ'D

NOTES:

1. THE PAVEMENT CUTTING LINE IS GENERALLY 1' INSIDE THE EXISTING EOP.

REVISIONS

NO.	DATE	APPROVED BY	REMARKS
1			
2			
3			
4			
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6			

UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

DRAWN BY TAR
QC CHECKED BY PBG
5/10/2021 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: US-6 & POWERHOUSE ROAD (MP 177.517), SPANISH FORK
PROJECT NUMBER: S-0006(223)178 PIN 18850
ROADWAY

SHEET NO. RD-05

DGN File:R:\CADD Support Microstation\UDOT CADD Standards\UDOT Standards MBDC\Worksets\20-030 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850_RD-05.dgn
10-MAY-2021

CHECK DAM - FIBER ROLL REQ'D
263+16.91 LT 51.66
263+41.38 LT 51.72
263+66.21 LT 51.07
263+93.56 LT 50.69
264+18.10 LT 50.16
264+39.61 LT 49.80
264+59.80 LT 50.28
264+79.13 LT 50.77
265+01.13 LT 50.21
265+24.67 LT 49.29
266+28.19 LT 44.61

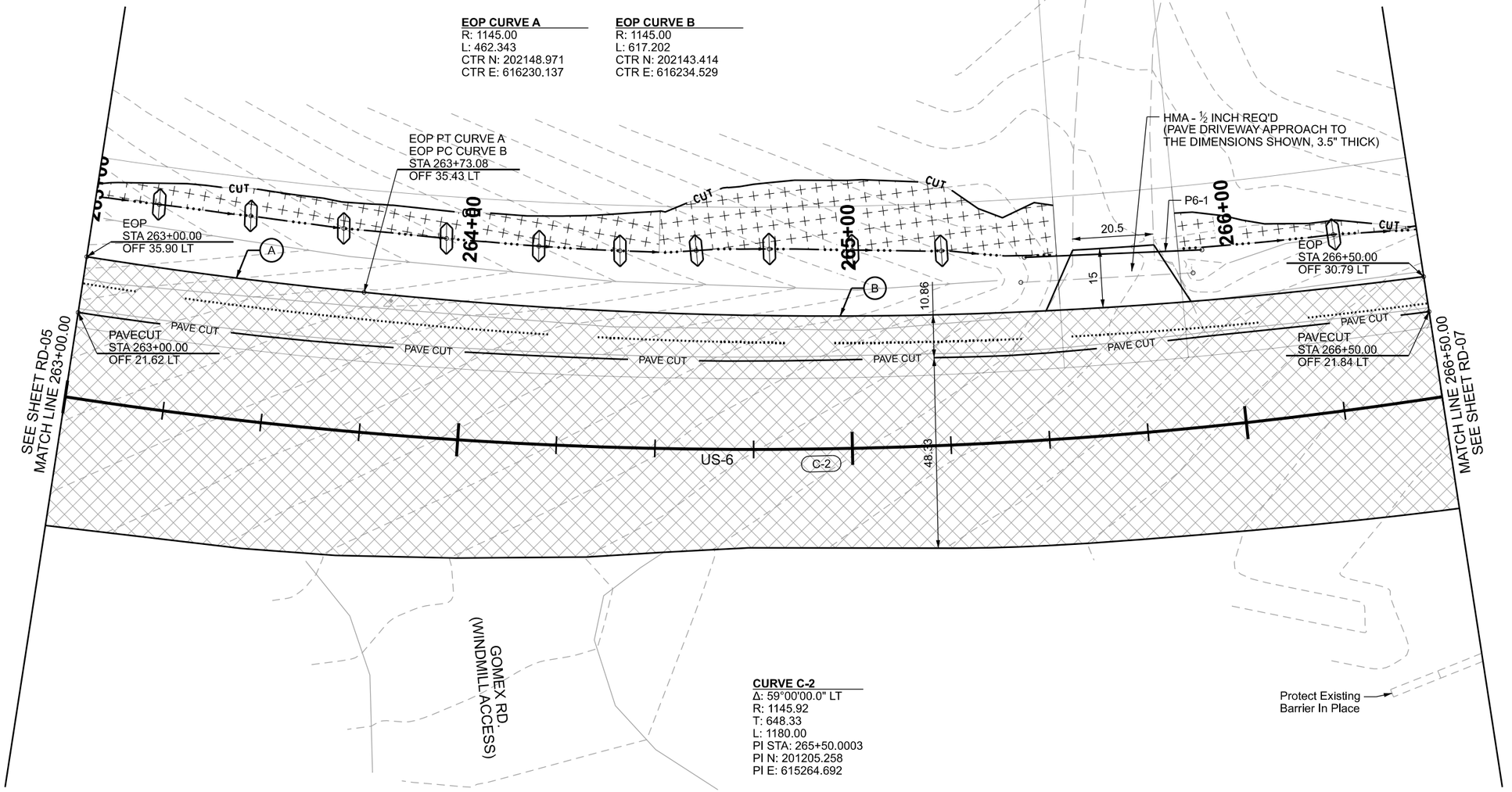
REMOVE PIPE REQ'D
265+45.15 LT 40.24 TO
265+90.38 LT 39.11

ARCH STEEL END SECTION 21 X 15 INCH REQ'D
[P6-1]
265+46.49 LT 46.53
265+93.32 LT 44.69

DRAINAGE PIPE - 21 INCH X 15 INCH, METAL, SILT-TIGHT REQ'D
[P6-1]
265+46.49 LT 46.53 TO
265+93.32 LT 44.69

EOP CURVE A
R: 1145.00
L: 462.343
CTR N: 202148.971
CTR E: 616230.137

EOP CURVE B
R: 1145.00
L: 617.202
CTR N: 202143.414
CTR E: 616234.529



CURVE C-2
Δ: 59°00'00.0" LT
R: 1145.92
T: 648.33
L: 1180.00
PI STA: 265+50.0003
PI N: 201205.258
PI E: 615264.692

LEGEND:

CHIP SEAL COAT, LIGHTWEIGHT REQ'D

HECP TYPE 1 REQ'D
BROADCAST SEED REQ'D

NOTES:

1. THE PAVEMENT CUTTING LINE IS GENERALLY 1' INSIDE THE EXISTING EOP.

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS
1			
2			
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UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

DRAWN BY TAR
CHECKED BY PBG
QC
DATE 5/10/2021
APPROVED
PROFESSIONAL ENGINEER

US-6 & POWERHOUSE ROAD
(MP 177.517), SPANISH FORK

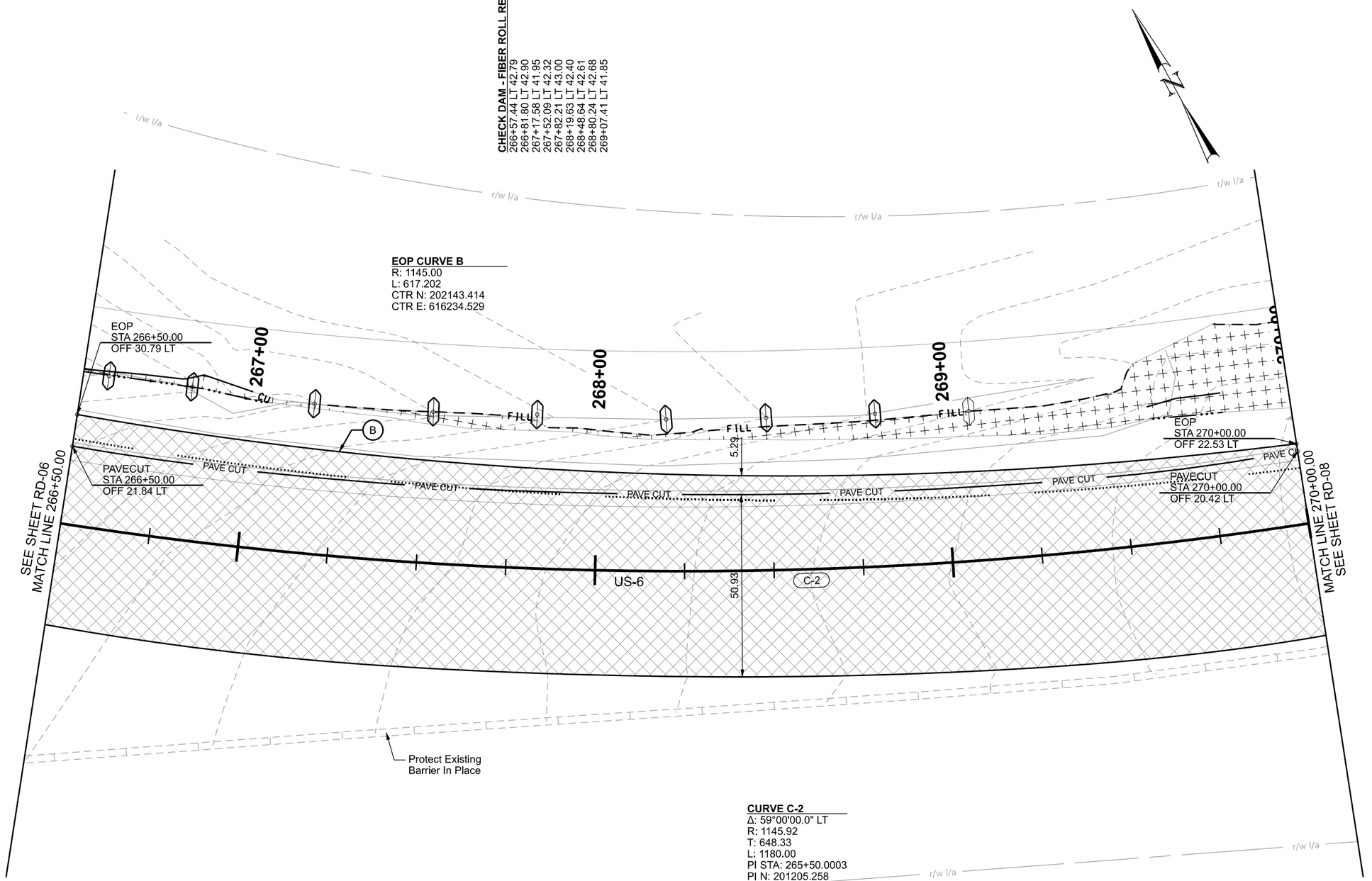
PROJECT
PROJECT NUMBER S-0006(223)178
PIN 18850

ROADWAY

SHEET NO. RD-06

10-MAY-2021 DGN File:R:\CADD Support Microstation\UDOT CADD Standards\UDOT Standards.MBDC\Worksets\20-038 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850_RD-06.dgn

CHECK DAM - FIBER ROLL REQ'D
266+57.44 LT 42.79
266+81.80 LT 42.90
267+17.58 LT 41.95
267+52.09 LT 42.32
267+82.21 LT 43.00
268+19.63 LT 42.40
268+48.64 LT 42.61
268+80.24 LT 42.68
269+07.41 LT 41.85



CURVE C-2
Δ: 59°00'00.0" LT
R: 1145.92
T: 648.33
L: 1180.00
PI STA: 265+50.0003
PI N: 201205.258
PI E: 615264.692

LEGEND:

CHIP SEAL COAT, LIGHTWEIGHT REQ'D

HECP TYPE 1 REQ'D
BROADCAST SEED REQ'D

NOTES:

1. THE PAVEMENT CUTTING LINE IS GENERALLY 1' INSIDE THE EXISTING EOP.

REVISIONS					
NO.	DATE	APPROVED BY	REMARKS		
1					
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UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

DRAWN BY TAR
QC CHECKED BY PBG

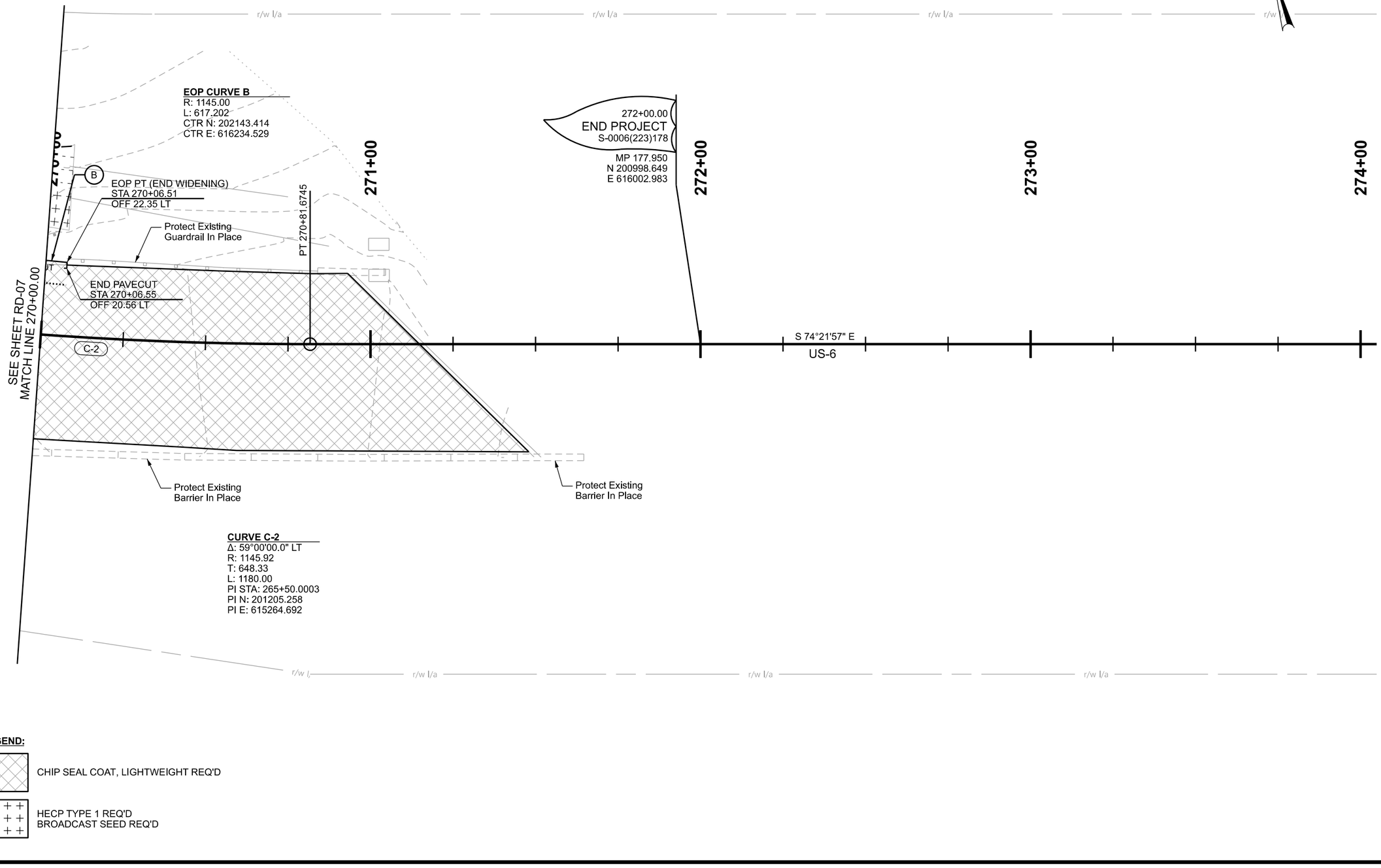
APPROVED 5/10/2021
DATE

PROFESSIONAL ENGINEER

PROJECT: US-6 & POWERHOUSE ROAD (MP 177.517), SPANISH FORK
PROJECT NUMBER: S-0006(223)178
PIN: 18850
ROADWAY

SHEET NO. RD-07

10-MAY-2021
DGN File:R:\CADD Support Microstation\UDOT CADD Standards\UDOT Standards_MBDC\Worksets\20-030 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850_RD-07.dgn



LEGEND:

CHIP SEAL COAT, LIGHTWEIGHT REQ'D

HECP TYPE 1 REQ'D
BROADCAST SEED REQ'D

REVISIONS

NO.	DATE	APPROVED BY	REMARKS
6			
5			
4			
3			
2			
1			

UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

DRAWN BY TAR
QC CHECKED BY PBG

APPROVED

5/10/2021
DATE

PROFESSIONAL ENGINEER

US-6 & POWERHOUSE ROAD
(MP 177.517), SPANISH FORK

PROJECT

PROJECT NUMBER: S-0006(223)178
PIN: 18850

ROADWAY

SHEET NO. RD-08

10-MAY-2021 DGN File: R:\CADD Support Microstation\UDOT-CADD-Standards\UDOT-Standards_MBDC\Worksets\20-030 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850_RD-08.dgn

STRIPING KEY:
SWL - SOLID WHITE LINE
SYL - SOLID YELLOW LINE
DYL - DOUBLE YELLOW LINE
BWL - BROKEN WHITE LINE
BYL - BROKEN YELLOW LINE
DWL - DOTTED WHITE LINE
LDL - LANE DROP LINE
S&BYL - SOLID AND BROKEN YELLOW LINE
SL - STOP LINE

SIGN CODE LEGEND:
N - NEW SIGN
R - RELOCATE SIGN
X - REMOVE SIGN

X-X-X
SIGN CODE
SIGN NUMBER
SHEET NUMBER

245+00

4" BWL

REMOVE EXISTING DOTTED LINE BACK TO THE INTERSECTION WITH SR-198 (CANYON ROAD) AND RESTRIPE BROKEN WHITE LINE IN THE SAME LOCATION (985')

246+00

PAVEMENT MARKING PAINT REQ'D
(4" SWL)
248+65.98 LT 29.46 TO
MATCH LINE LT 29.31
(8" SWL)
248+26.71 LT 17.63 TO
MATCH LINE LT 17.31
248+26.71 LT 17.63 TO
MATCH LINE LT 15.96
(4" DYL)
248+65.98 LT 4.73 TO
MATCH LINE LT 3.95

TRUCKS USE RIGHT LANE
1.1-N
R4-5
36 IN X 48 IN

247+00

247+00.00
BEGIN PROJECT
S-0006(223)178
MP 177.477
N 202987.925
E 614770.449

PAVEMENT MARKING PAINT REQ'D
(4" DYL)
247+40.29 RT 6.86 TO
MATCH LINE RT 6.15
(4" BWL)
MP 177.297 RT TO
MP 177.477 RT (247+00.00 RT 18.97) TO
247+39.95 RT 18.86 TO
MATCH LINE RT 18.16

REMOVE PAVEMENT MESSAGE REQ'D
MP 177.297 RT TO
MP 177.477 RT (247+00.00 RT 18.97) TO
248+65.98 RT 22.27
247+40.29 RT 6.86 TO
248+65.92 RT 9.27
247+46.40 RT 20.06 TO
248+65.98 RT 28.76

SIGN TYPE A-1,
36 INCH X 48 INCH REQ'D
246+57.19 RT 48.48

SLIPBASE SIGN BASE (B3) REQ'D
246+57.19 RT 48.48

SIGN POST P3 REQ'D
246+57.19 RT 48.48

4" BWL

US-6

248+00

4" DYL
8" SWL

LANE VARIES
60:1 TAPER
12' LANE
60:1 TAPER
MEDIAN VARIES
45:1 TAPER
12' LANE
45:1 TAPER
SHOULDER VARIES
4" SWL

N

MATCH LINE 249+00.00
SEE SHEET SS-02

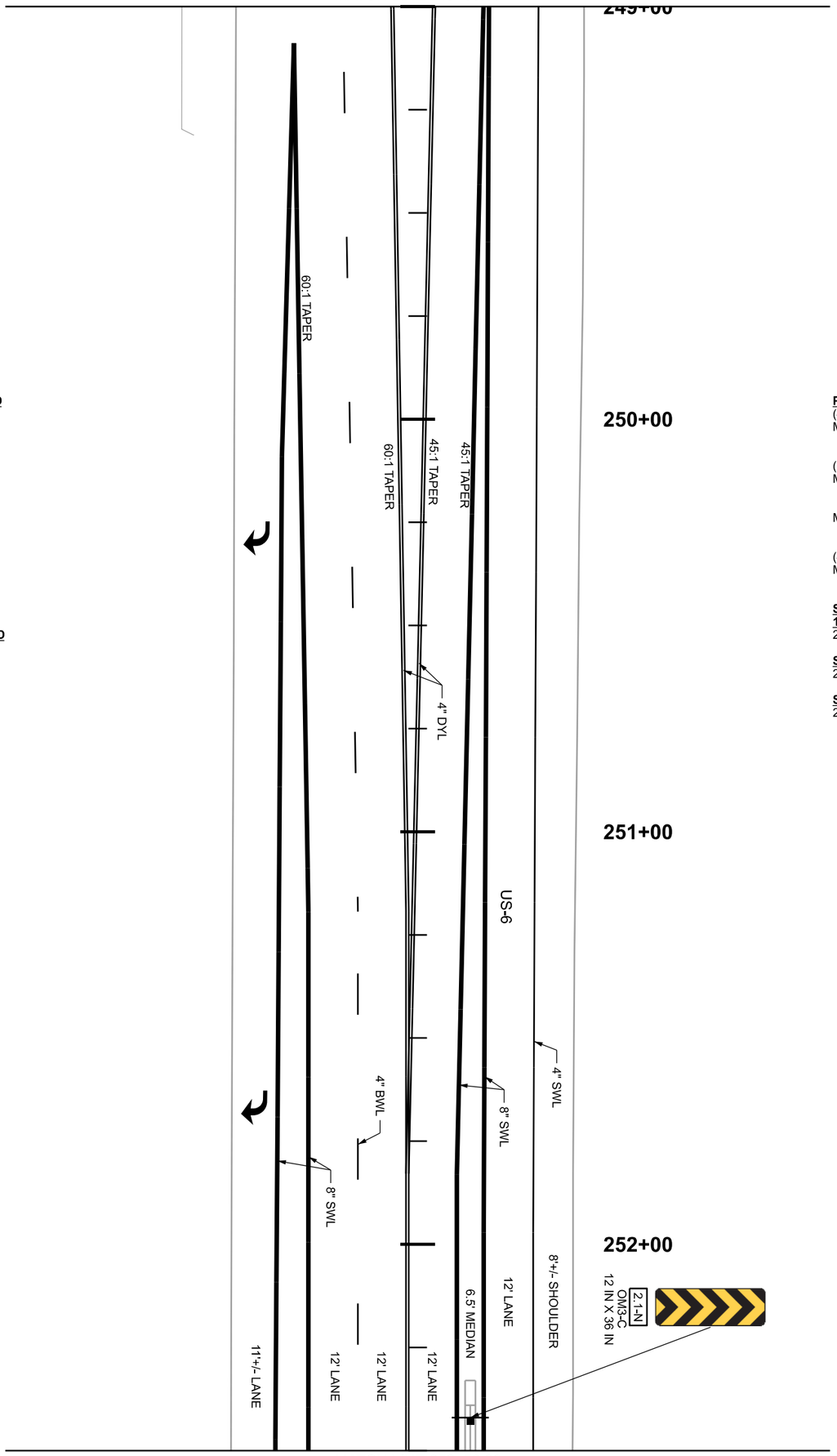
SHEET NO. SS-01	PROJECT	US-6 & POWERHOUSE ROAD	**UTAH DEPARTMENT OF TRANSPORTATION**	REVISIONS	
		(MP 177.517), SPANISH FORK	MAINLINE ENGINEERING LLC	6	
	PROJECT NUMBER	S-0006(223)178 PIN 18850	APPROVED	5	
				4	
	SIGNING AND STRIPING		PROFESSIONAL ENGINEER 5/10/2021 DATE	DRAWN BY TAR	3
				QC CHECKED BY PBG	2
					1
				NO. DATE APPROVED BY	REMARKS

STRIPING KEY:
SWL - SOLID WHITE LINE
SYL - SOLID YELLOW LINE
DYL - DOUBLE YELLOW LINE
BWL - BROKEN WHITE LINE
BYL - BROKEN YELLOW LINE
DWL - DOTTED WHITE LINE
LDL - LANE DROP LINE
S&BYL - SOLID AND BROKEN YELLOW LINE
SL - STOP LINE

SIGN CODE LEGEND:
N - NEW SIGN
R - RELOCATE SIGN
X - REMOVE SIGN

X-X-X
SIGN CODE
SIGN NUMBER
SHEET NUMBER

SEE SHEET SS-01
MATCH LINE 249+00.00



MATCH LINE 252+50.00
SEE SHEET SS-03

PAVEMENT MARKING PAINT REQ'D
(4" BWL)
MATCH LINE RT 18.16 TO
251+19.34 RT 14.50 TO
MATCH LINE RT 14.50
(8" SWL)
249+08.88 RT 30.01 TO
250+09.15 RT 32.93 TO
252+47.35 RT 34.50 TO
MATCH LINE RT 34.50
249+08.88 RT 30.01 TO
251+19.44 RT 26.50 TO
MATCH LINE RT 26.50
(4" DYL)
MATCH LINE RT 6.15 TO
251+19.24 RT 2.50 TO
MATCH LINE RT 2.50

PAVEMENT MESSAGE PAINT REQ'D
250+29.11 RT 38.80
251+67.09 RT 39.39

PAVEMENT MARKING PAINT REQ'D
(4" SWL)
MATCH LINE LT 29.31 TO
251+97.11 LT 28.00 TO
MATCH LINE LT 28.00
(8" SWL)
MATCH LINE LT 17.31 TO
251+97.08 LT 16.00 TO
MATCH LINE LT 16.00
MATCH LINE LT 15.96 TO
251+83.00 LT 9.50 TO
MATCH LINE LT 9.50
(4" DYL)
MATCH LINE LT 3.95 TO
251+82.86 RT 2.50

SIGN TYPE A-1,
12 INCH X 36 INCH REQ'D
252+42.00 LT 12.75

SLIPBASE SIGN BASE (B3) REQ'D
252+42.00 LT 12.75

SIGN POST P3 REQ'D
252+42.00 LT 12.75

SHEET NO. SS-02	PROJECT	US-6 & POWERHOUSE ROAD	**UTAH DEPARTMENT OF TRANSPORTATION**		
		(MP 177.517), SPANISH FORK	MAINLINE ENGINEERING LLC		
	PROJECT NUMBER	S-0006(223)178 PIN 18850	APPROVED	DRAWN BY TAR	
	SIGNING AND STRIPING		PROFESSIONAL ENGINEER 5/10/2021 DATE	QC CHECKED BY PBG	

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS
6			
5			
4			
3			
2			
1			

STRIPING KEY:
SWL - SOLID WHITE LINE
SYL - SOLID YELLOW LINE
DYL - DOUBLE YELLOW LINE
BWL - BROKEN WHITE LINE
BYL - BROKEN YELLOW LINE
DWL - DOTTED WHITE LINE
LDL - LANE DROP LINE
S&BYL - SOLID AND BROKEN YELLOW LINE
SL - STOP LINE

SIGN CODE LEGEND:
N - NEW SIGN
R - RELOCATE SIGN
X - REMOVE SIGN

X-X-X
SIGN CODE
SIGN NUMBER
SHEET NUMBER

SEE SHEET SS-02
MATCH LINE 252+50.00

8" SWL
4" BWL
4" DYL
8' MEDIAN
24" SWL
4" SWL
8" SWL
4" SWL
253+00
24" SWL
24" SWL
3.2-N
OM3-R
12 IN X 36 IN
3.1-N
R3-5R
30 IN X 36 IN
ONLY
24'-26' LANE
POWERHOUSE RD.
12" SWL
12' LANE
12' LANE
Existing Sign to Remain In Place
STOP
254+00
3.3-N
R6-2R
30 IN X 36 IN
ONE WAY
3.4-X
R1-1
SEE SG-01 FOR TIMING
STOP
24" SWL
3.5-N
W4-2R
36 IN X 36 IN
US-6
4" SWL
4" BWL
4" DYL
255+00
3.6-N
OM3-C
12 IN X 36 IN
4" SWL
8" SWL
8'+/- SHOULDER
12' LANE
12' LANE
12' LANE
6.5' MEDIAN
12' LANE
8' SHOULDER

MATCH LINE 256+00.00
SEE SHEET SS-04

PAVEMENT MARKING PAINT REQ'D
(4" SWL)
MATCH LINE LT 28.00 TO
MATCH LINE LT 28.00
(8" SWL)
MATCH LINE LT 16.00 TO
MATCH LINE LT 16.00
MATCH LINE LT 9.50 TO
253+57.96 LT 9.50 TO
253+82.85 LT 0.05 TO
253+85.51 RT 0.96 TO
253+88.16 LT 0.05 TO
254+13.06 LT 9.50 TO
256+00.00 LT 9.50

PAVEMENT MESSAGE PAINT REQ'D
254+61.00 LT 3.50

PAVEMENT MARKING PAINT (STOP LINE, CROSSWALK–24 INCH) REQ'D
254+41.00 LT 9.50 TO
254+41.00 RT 2.50

FLEXIBLE DELINEATOR POST - TYPE I REQ'D
253+50.00 LT 40.48

SIGN TYPE A-1, 12 INCH X 36 INCH REQ'D
253+85.51 LT 6.75
255+32.00 LT 12.75

SIGN TYPE A-1, 30 INCH X 36 INCH REQ'D
253+78.29 LT 54.47
253+85.51 LT 8.75

SLIPBASE SIGN BASE (B3) REQ'D
253+85.51 LT 6.75
253+85.51 LT 8.75
255+32.00 LT 12.75

SIGN POST P3 REQ'D
253+85.51 LT 6.75
253+85.51 LT 8.75
255+32.00 LT 12.75

PAVEMENT MARKING PAINT REQ'D
(4" SWL)
252+85.08 RT 14.50 TO
253+25.08 RT 14.50
254+41.00 RT 26.50 TO
MATCH LINE RT 26.50
(8" SWL)
MATCH LINE RT 26.50 TO
253+25.08 RT 26.50
MATCH LINE RT 34.50 TO
253+25.08 RT 34.50
(4" BWL)
MATCH LINE RT 14.50 TO
252+85.08 RT 14.50
254+41.00 RT 14.50 TO
255+47.88 RT 14.50
(4" DYL)
MATCH LINE RT 2.50 TO
252+90.08 RT 2.50
254+41.00 RT 2.50 TO
MATCH LINE RT 2.50

PAVEMENT MESSAGE PAINT REQ'D
253+05.08 RT 39.97
253+89.82 RT 84.44
253+90.18 RT 144.44
254+01.69 RT 84.44
254+03.21 RT 144.44
255+39.07 RT 20.50

PAVEMENT MARKING PAINT (STOP LINE, CROSSWALK–12 INCH) REQ'D
253+48.54 RT 53.01 TO
254+11.45 RT 48.38
253+55.82 RT 62.50 TO
254+07.88 RT 58.67
253+83.98 RT 64.44 TO
254+07.79 RT 62.69

PAVEMENT MARKING PAINT (STOP LINE, CROSSWALK–24 INCH) REQ'D
252+90.08 RT 2.50 TO
252+90.08 RT 14.50
253+25.08 RT 14.50 TO
253+25.08 RT 45.62

REMOVE SIGN LESS THAN 20 SQUARE FEET REQ'D
254+21.93 RT 56.09

SIGN TYPE A-1, 36 INCH X 36 INCH REQ'D
254+50.00 RT 45.00

SLIPBASE SIGN BASE (B3) REQ'D
254+50.00 RT 45.00

SIGN POST P3 REQ'D
254+50.00 RT 45.00

N

SHEET NO. SS-03	PROJECT	US-6 & POWERHOUSE ROAD	
		(MP 177.517), SPANISH FORK	
	PROJECT NUMBER	S-0006(223)178	PIN 18850
	SIGNING AND STRIPING		

UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

APPROVED
PROFESSIONAL ENGINEER — 5/12/2021 DATE

DRAWN BY TAR
QC CHECKED BY PBG

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS
6			
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STRIPING KEY:
SWL - SOLID WHITE LINE
SYL - SOLID YELLOW LINE
DYL - DOUBLE YELLOW LINE
BWL - BROKEN WHITE LINE
BYL - BROKEN YELLOW LINE
DWL - DOTTED WHITE LINE
LDL - LANE DROP LINE
S&BYL - SOLID AND BROKEN YELLOW LINE
SL - STOP LINE

SIGN CODE LEGEND:
N - NEW SIGN
R - RELOCATE SIGN
X - REMOVE SIGN

X-X-X
SIGN CODE
SIGN NUMBER
SHEET NUMBER

SEE SHEET SS-03
MATCH LINE 256+00.00

256+00

257+00

258+00

259+00

US-6

8" SWL

40:1 TAPER

40:1 TAPER

4" SWL

4" SWL

4" DYL

8' SHOULDER

8'+/- SHOULDER

12' LANE

12' LANE

12' LANE

12' LANE

MEDIAN VARIES

A

C

E

F

N

MATCH LINE 259+50.00
SEE SHEET SS-05

PAVEMENT MARKING PAINT REQ'D
(4" SWL)
MATCH LINE RT 26.50 TO
258+83.18 RT 26.50 TO
MATCH LINE RT 25.62
(4" DYL)
MATCH LINE RT 2.50 TO
258+83.18 RT 2.50 TO
MATCH LINE RT 1.62
256+41.29 RT 2.50 TO
259+24.37 LT 4.12 TO
MATCH LINE LT 4.22

PAVEMENT MARKING PAINT REQ'D
(4" SWL)
MATCH LINE LT 28.00 TO
258+95.85 LT 28.00 TO
MATCH LINE LT 28.22
(8" SWL)
MATCH LINE LT 16.00 TO
258+95.85 LT 16.00 TO
259+24.32 LT 16.12
MATCH LINE LT 9.50 TO
256+41.00 LT 9.50 TO
259+24.32 LT 16.12

PAVEMENT MESSAGE PAINT REQ'D
256+82.50 LT 4.50
259+04.17 LT 9.86

FLEXIBLE DELINEATOR POST - TYPE I REQ'D
257+00.00 LT 40.00
259+00.00 LT 40.00

PAINT CURVE INFORMATION

CURVE ID	RADIUS (FEET)	CENTER NORTH.	CENTER EAST.
A	1,153.00	202148.971	616230.137
C	1,177.00	202148.971	616230.137
E	1,178.00	202159.723	616221.478
F	1,202.00	202159.723	616221.478

SHEET NO. SS-04	PROJECT	US-6 & POWERHOUSE ROAD	
		(MP 177.517), SPANISH FORK	
	PROJECT NUMBER	S-0006(223)178	PIN 18850
	SIGNING AND STRIPING		

UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

APPROVED
PROFESSIONAL ENGINEER — 5/10/2021 DATE

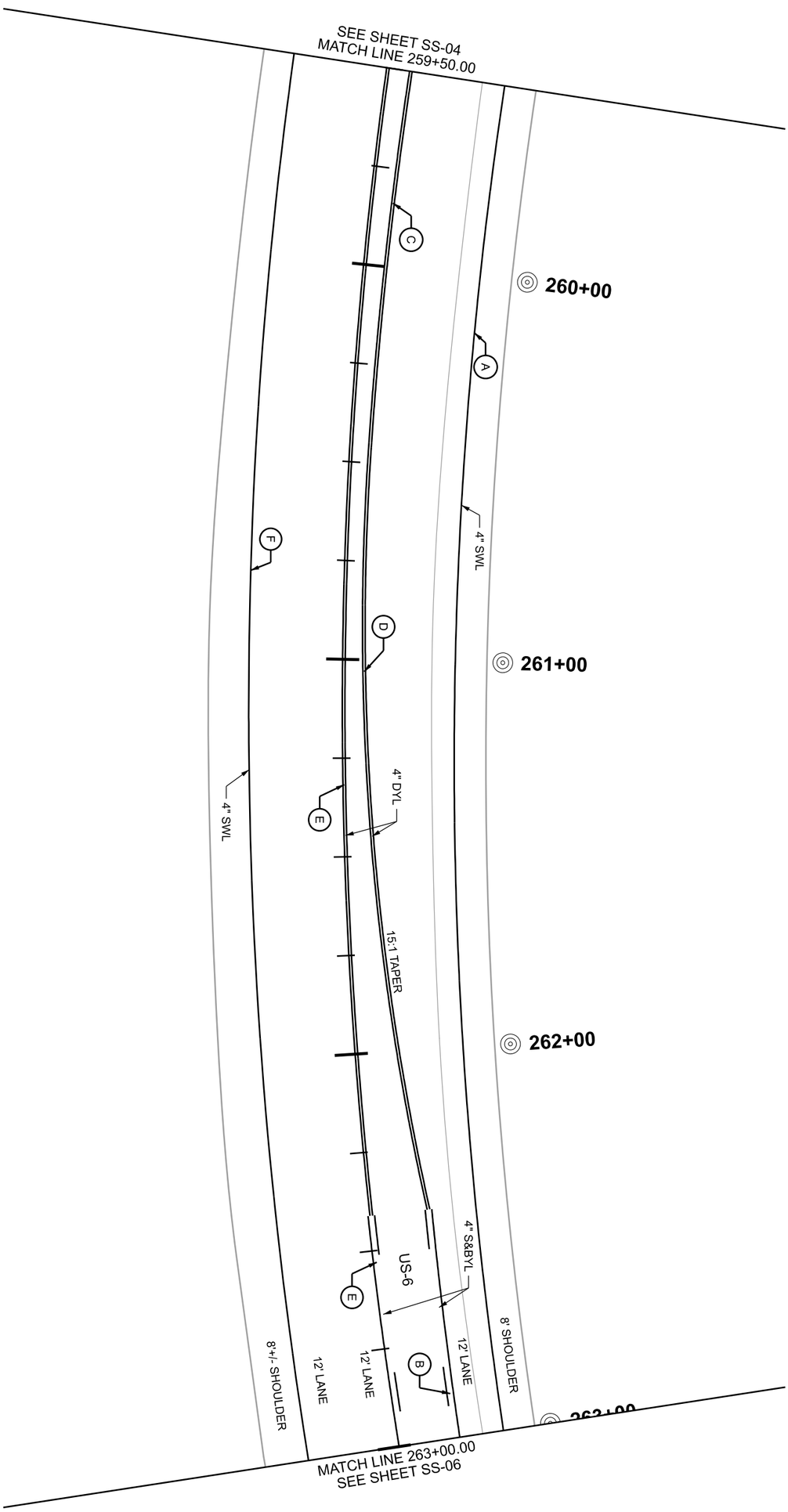
DRAWN BY TAR
QC CHECKED BY PBG

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS
6			
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STRIPING KEY:
SWL - SOLID WHITE LINE
SYL - SOLID YELLOW LINE
DYL - DOUBLE YELLOW LINE
BWL - BROKEN WHITE LINE
BYL - BROKEN YELLOW LINE
DWL - DOTTED WHITE LINE
LDL - LANE DROP LINE
S&BYL - SOLID AND BROKEN YELLOW LINE
SL - STOP LINE

SIGN CODE LEGEND:
N - NEW SIGN
R - RELOCATE SIGN
X - REMOVE SIGN

X-X-X
SIGN CODE
SIGN NUMBER
SHEET NUMBER



PAVEMENT MARKING PAINT REQ'D
(4" SWL)
MATCH LINE RT 25.62 TO
MATCH LINE RT 21.95
(4" DYL)
MATCH LINE RT 1.62 TO
262+41.11 LT 1.64
(4" S&BYL)
262+41.11 LT 1.64 TO
MATCH LINE LT 2.05

PAVEMENT MARKING PAINT REQ'D
(4" SWL)
MATCH LINE LT 28.22 TO
MATCH LINE LT 27.90
(4" DYL)
MATCH LINE LT 4.22 TO
260+46.00 LT 4.45 TO
262+41.00 LT 16.18
(4" S&BYL)
262+41.00 LT 16.18 TO
MATCH LINE LT 15.90

FLEXIBLE DELINEATOR POST - TYPE I REQ'D
260+00.00 LT 40.37
261+00.00 LT 40.48
262+00.00 LT 40.32
263+00.00 LT 39.90

	PAINT CURVE INFORMATION		
A	1,153.00	202148.971	616230.137
B	1,165.00	202148.971	616230.137
C	1,177.00	202148.971	616230.137
D	671.94	201954.479	615764.025
E	1,178.00	202159.723	616221.478
F	1,202.00	202159.723	616221.478

SHEET NO. SS-05

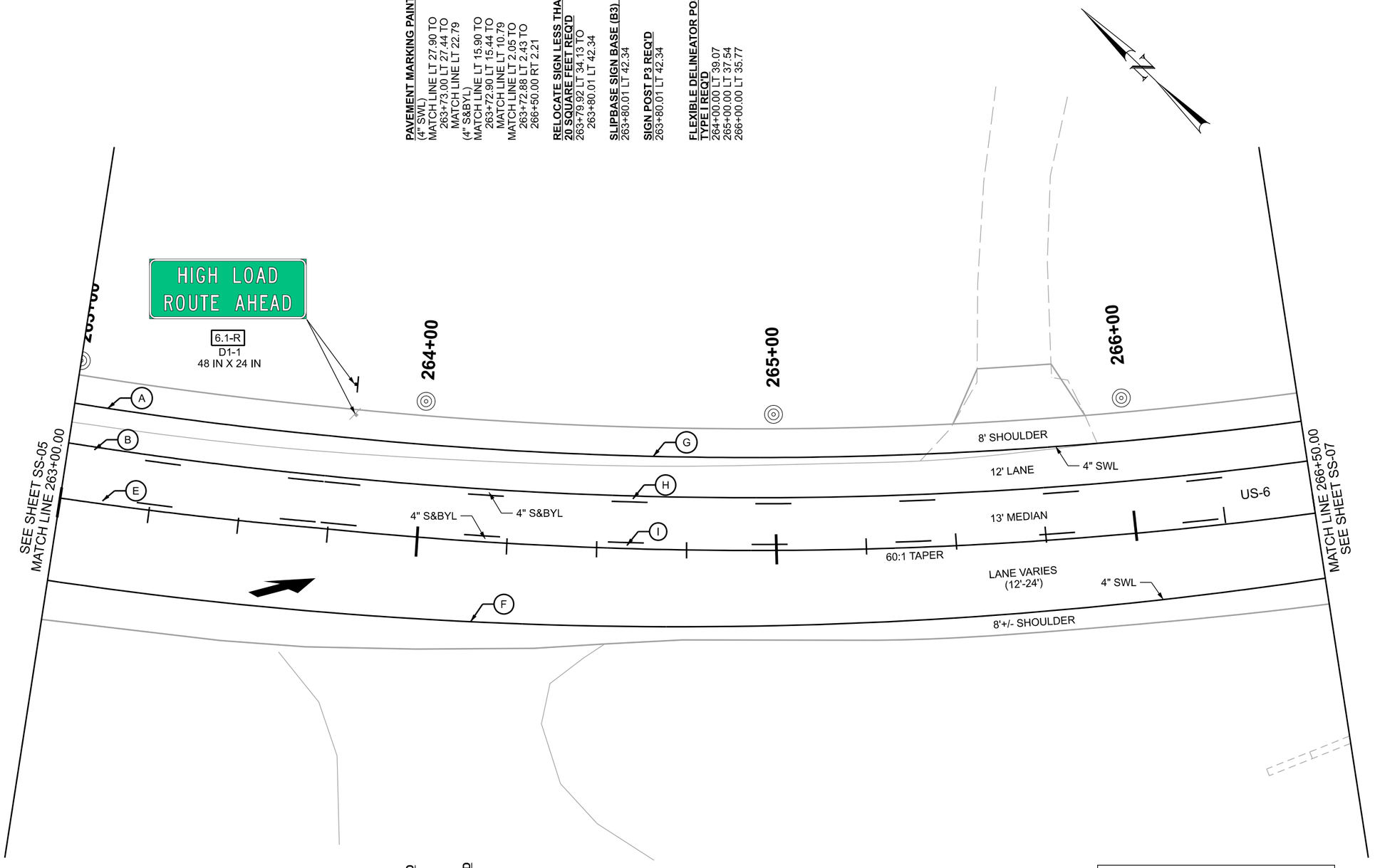
PROJECT	US-6 & POWERHOUSE ROAD		
	(MP 177.517), SPANISH FORK		
PROJECT NUMBER	S-0006(223)178	PIN	18850
	SIGNING AND STRIPING		

UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

APPROVED
PROFESSIONAL ENGINEER — 5/10/2021 DATE

DRAWN BY TAR
QC CHECKED BY PBG

REVISIONS			
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PAVEMENT MARKING PAINT REQ'D
(4" SWL)
MATCH LINE LT 27.90 TO
263+73.00 LT 27.44 TO
MATCH LINE LT 22.79
(4" S&BYL)
MATCH LINE LT 15.90 TO
263+72.90 LT 15.44 TO
MATCH LINE LT 10.79
MATCH LINE LT 2.05 TO
263+72.88 LT 2.43 TO
266+50.00 RT 2.21

RELOCATE SIGN LESS THAN 20 SQUARE FEET REQ'D
263+79.92 LT 34.13 TO
263+80.01 LT 42.34

SLIPBASE SIGN BASE (B3) REQ'D
263+80.01 LT 42.34

SIGN POST P3 REQ'D
263+80.01 LT 42.34

FLEXIBLE DELINEATOR POST - TYPE I REQ'D
264+00.00 LT 39.07
265+00.00 LT 37.54
266+00.00 LT 35.77

STRIPING KEY:

SWL	- SOLID WHITE LINE
SYL	- SOLID YELLOW LINE
DYL	- DOUBLE YELLOW LINE
BWL	- BROKEN WHITE LINE
BYL	- BROKEN YELLOW LINE
DWL	- DOTTED WHITE LINE
LDL	- LANE DROP LINE
S&BYL	- SOLID AND BROKEN YELLOW LINE
SL	- STOP LINE

SIGN CODE LEGEND:
N - NEW SIGN
R - RELOCATE SIGN
X - REMOVE SIGN

X.X-X
- SIGN CODE
- SIGN NUMBER
- SHEET NUMBER

PAVEMENT MARKING PAINT REQ'D
(4" SWL)
MATCH LINE RT 21.95 TO
MATCH LINE RT 21.35

PAVEMENT MESSAGE PAINT REQ'D
263+64.15 RT 15.60

PAINT CURVE INFORMATION

CURVE ID	RADIUS (FEET)	CENTER NORTH.	CENTER EAST.
A	1,153.00	202148.971	616230.137
B	1,165.00	202148.971	616230.137
E	1,178.00	202159.723	616221.478
F	1,202.00	202159.723	616221.478
G	1,153.00	202143.414	616234.529
H	1,165.00	202143.414	616234.529
I	1,178.00	202143.414	616234.529

REVISIONS

NO.	DATE	APPROVED BY	REMARKS
1			
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UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

DRAWN BY TAR
QC CHECKED BY PBG
5/10/2021 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: US-6 & POWERHOUSE ROAD (MP 177.517), SPANISH FORK
PROJECT NUMBER: S-0006(223)178 PIN 18850

SIGNING AND STRIPING

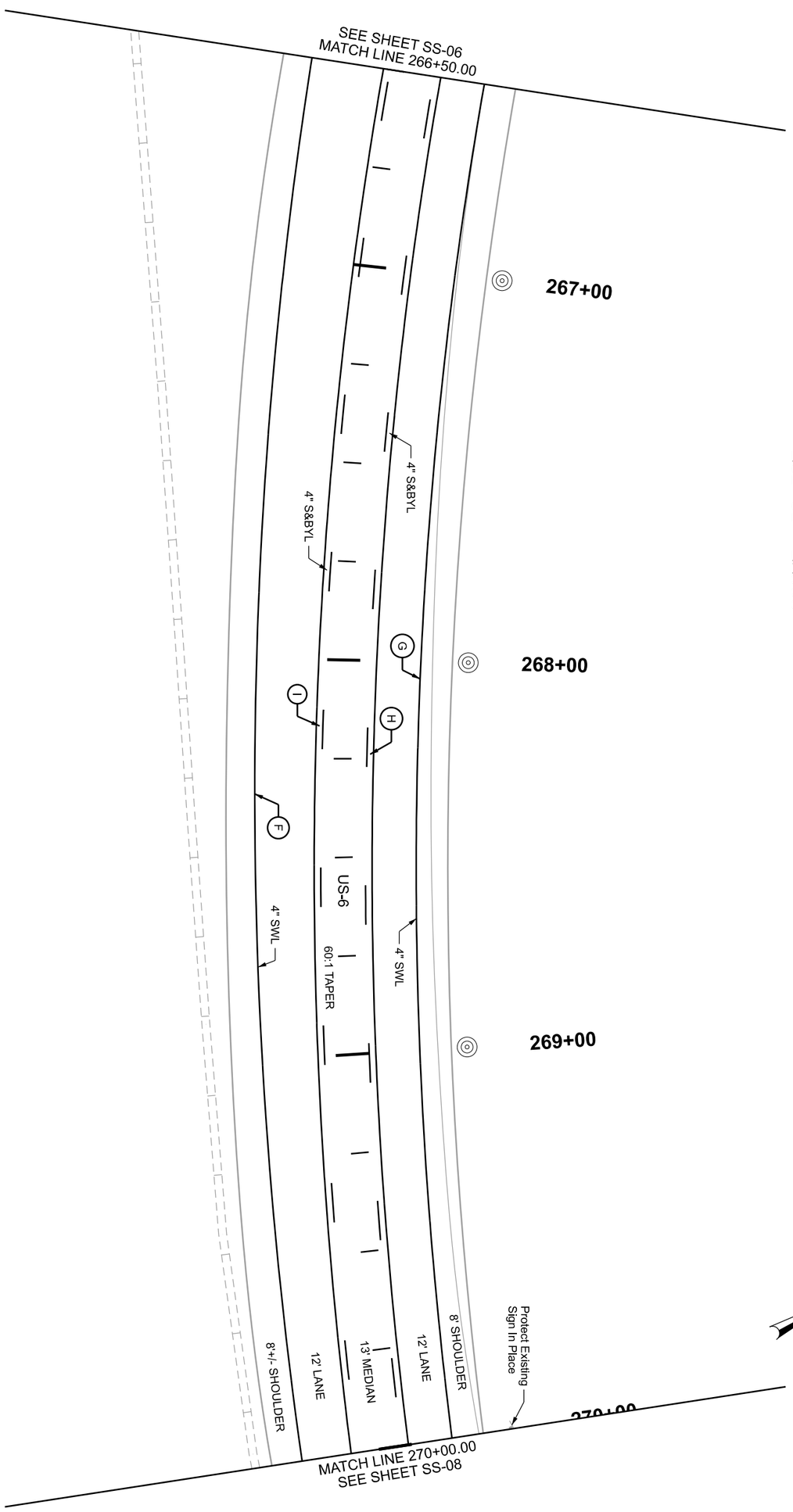
SHEET NO. SS-06

10-MAY-2021 DGN File:R:\CADD Support Microstation\UDOT CADD Standards\UDOT Standards.MBDC\Worksets\20-030 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850-SS-06.dgn

STRIPING KEY:
SWL - SOLID WHITE LINE
SYL - SOLID YELLOW LINE
DYL - DOUBLE YELLOW LINE
BWL - BROKEN WHITE LINE
BYL - BROKEN YELLOW LINE
DWL - DOTTED WHITE LINE
LDL - LANE DROP LINE
S&BYL - SOLID AND BROKEN YELLOW LINE
SL - STOP LINE

SIGN CODE LEGEND:
N - NEW SIGN
R - RELOCATE SIGN
X - REMOVE SIGN

X-X-X
SIGN CODE
SIGN NUMBER
SHEET NUMBER



PAVEMENT MARKING PAINT REQ'D
(4" SWL)
MATCH LINE RT 21.35 TO
MATCH LINE RT 23.87
(4" S&BYL)
MATCH LINE RT 2.21 TO
MATCH LINE RT 23.87

PAVEMENT MARKING PAINT REQ'D
(4" SWL)
MATCH LINE LT 22.79 TO
MATCH LINE LT 14.53
(4" S&BYL)
MATCH LINE LT 10.79
MATCH LINE LT 2.52

FLEXIBLE DELINEATOR POST - TYPE I REQ'D
267+00.00 LT 33.77
268+00.00 LT 31.55
269+00.00 LT 29.13

PAINT CURVE INFORMATION				
CURVE ID	RADIUS (FEET)	CENTER NORTH.	CENTER EAST.	
F	1,202.00	202159.723	616221.478	
G	1,153.00	202143.414	616234.529	
H	1,165.00	202143.414	616234.529	
I	1,178.00	202143.414	616234.529	

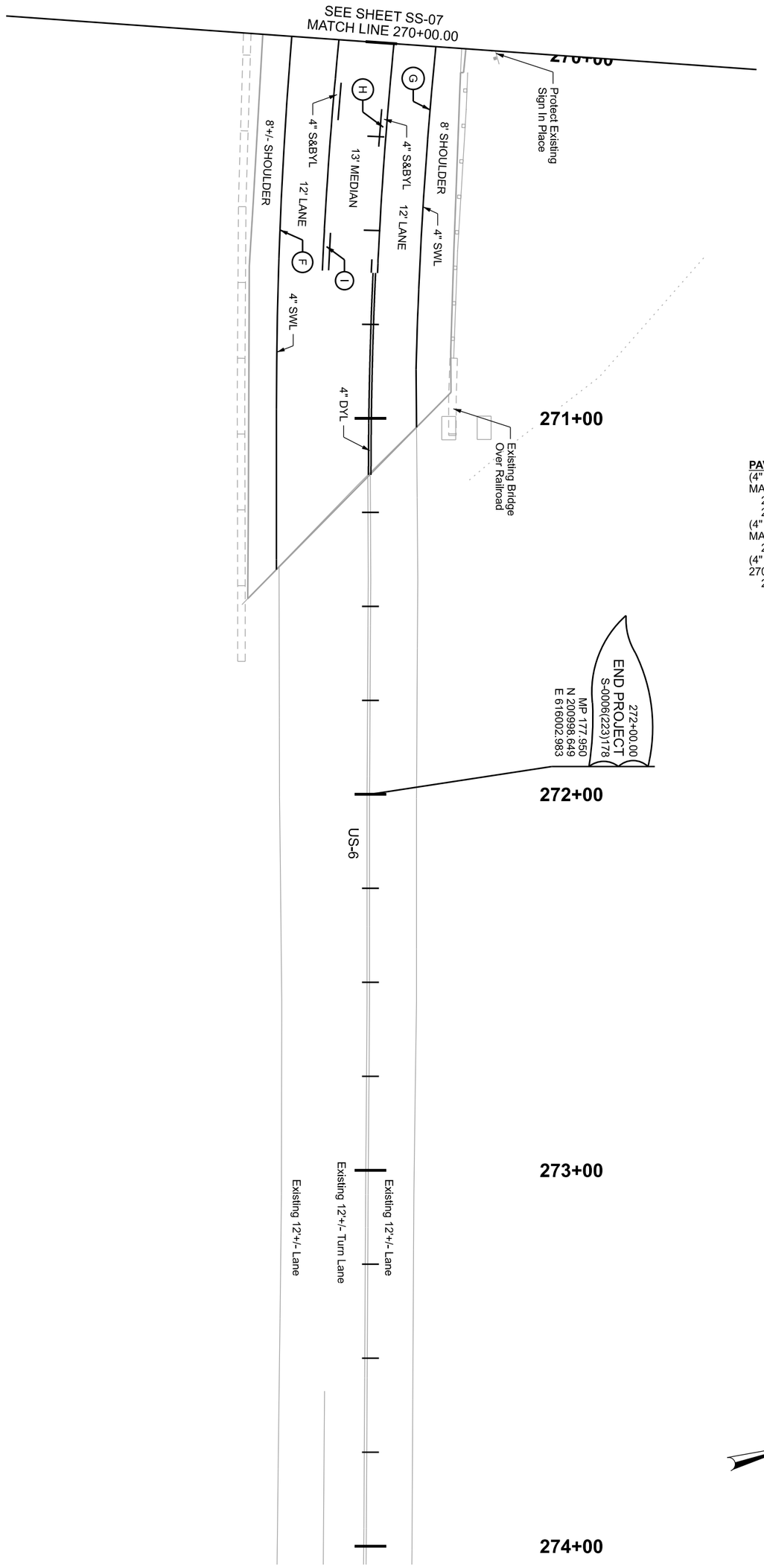
SHEET NO. SS-07	PROJECT	US-6 & POWERHOUSE ROAD	UTAH DEPARTMENT OF TRANSPORTATION	REVISIONS	
		(MP 177.517), SPANISH FORK	MAINLINE ENGINEERING LLC		
	PROJECT NUMBER	S-0006(223)178 PIN 18850	APPROVED	DRAWN BY TAR	
	SIGNING AND STRIPING		PROFESSIONAL ENGINEER 5/10/2021 DATE	QC CHECKED BY PBG	

NO.	DATE	APPROVED BY	REMARKS
6			
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STRIPING KEY:
SWL - SOLID WHITE LINE
SYL - SOLID YELLOW LINE
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BWL - BROKEN WHITE LINE
BYL - BROKEN YELLOW LINE
DWL - DOTTED WHITE LINE
LDL - LANE DROP LINE
S&BYL - SOLID AND BROKEN YELLOW LINE
SL - STOP LINE

SIGN CODE LEGEND:
N - NEW SIGN
R - RELOCATE SIGN
X - REMOVE SIGN

X-X-X
SIGN CODE
SIGN NUMBER
SHEET NUMBER



PAVEMENT MARKING PAINT REQ'D
(4" SWL)
MATCH LINE RT 23.87 TO
270+97.51 RT 25.00 TO
271+40.23 RT 25.00
(4" S&BYL)
MATCH LINE RT 10.48 TO
270+60.94 RT 12.15

PAVEMENT MARKING PAINT REQ'D
(4" SWL)
MATCH LINE LT 14.53 TO
270+87.00 LT 12.14 TO
271+02.39 LT 12.26
(4" S&BYL)
MATCH LINE LT 2.52 TO
270+61.30 LT 0.84 TO
(4" DYL)
270+61.30 LT 0.84 TO
271+15.04 RT 0.19

PAINT CURVE INFORMATION			
CURVE ID	RADIUS (FEET)	CENTER NORTH.	CENTER EAST.
F	1,202.00	202159.723	616221.478
G	1,153.00	202143.414	616234.529
H	1,165.00	202143.414	616234.529
I	1,178.00	202143.414	616234.529

PROJECT	US-6 & POWERHOUSE ROAD		
	(MP 177.517), SPANISH FORK		
PROJECT NUMBER	S-0006(223)178	PIN	18850
	SIGNING AND STRIPING		

UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

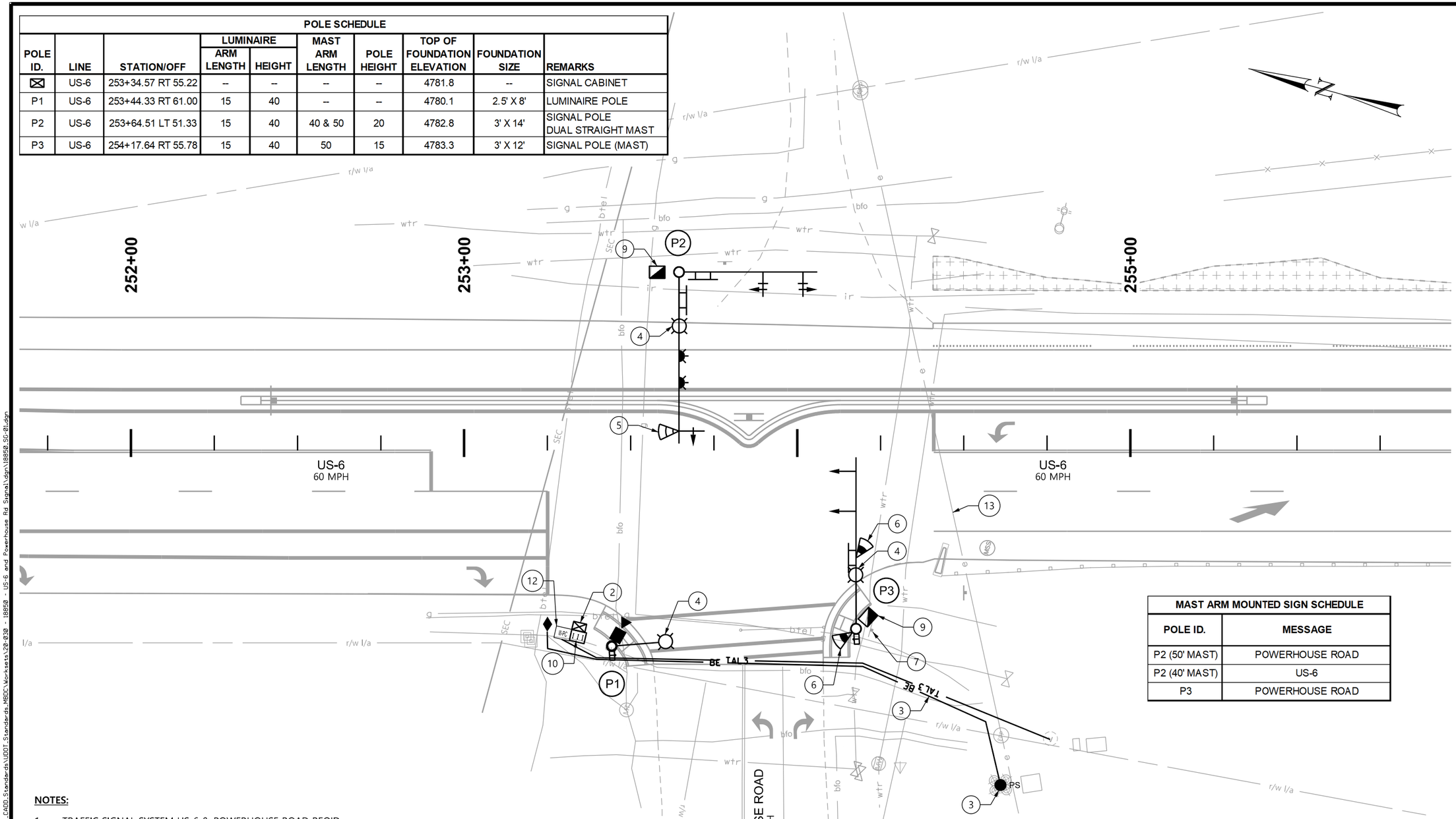
APPROVED
PROFESSIONAL ENGINEER
5/10/2021
DATE

DRAWN BY TAR
QC CHECKED BY PBG

REVISIONS			
NO.	DATE	APPROVED BY	REMARKS
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SHEET NO. SS-08

POLE SCHEDULE									
POLE ID.	LINE	STATION/OFF	LUMINAIRE ARM LENGTH	LUMINAIRE HEIGHT	MAST ARM LENGTH	POLE HEIGHT	TOP OF FOUNDATION ELEVATION	FOUNDATION SIZE	REMARKS
⊠	US-6	253+34.57 RT 55.22	--	--	--	--	4781.8	--	SIGNAL CABINET
P1	US-6	253+44.33 RT 61.00	15	40	--	--	4780.1	2.5' X 8'	LUMINAIRE POLE
P2	US-6	253+64.51 LT 51.33	15	40	40 & 50	20	4782.8	3' X 14'	SIGNAL POLE DUAL STRAIGHT MAST
P3	US-6	254+17.64 RT 55.78	15	40	50	15	4783.3	3' X 12'	SIGNAL POLE (MAST)



MAST ARM MOUNTED SIGN SCHEDULE	
POLE ID.	MESSAGE
P2 (50' MAST)	POWERHOUSE ROAD
P2 (40' MAST)	US-6
P3	POWERHOUSE ROAD

NOTES:

1. TRAFFIC SIGNAL SYSTEM US-6 & POWERHOUSE ROAD REQ'D.
2. NEW CONTROLLER AND CABINET ASSEMBLY WITH FOUNDATION.
3. RUN 3-INCH CONDUIT FROM NEW SIGNAL CABINET TO EXISTING TRANSFORMER. CONTACT SPANISH FORK CITY POWER (GARRET ELMER 801-804-4629) TO SCHEDULE POWER TIE-IN. INFORM AUSTIN TRIPP 801-227-8020 WHEN SPANISH FORK CITY IS CONTACTED.
4. STATE FURNISHED TYPE B LED LUMINAIRE.
5. MOUNT DILEMMA ZONE RADAR DETECTION SYSTEM ON THE BACK OF THE MAST ARM. CONTACT ERIC KINSMAN (801) 830-9557 TWO WEEKS PRIOR TO ASSEMBLY FOR ASSISTANCE WITH DETECTION AREA LOCATING.
6. MOUNT STOP BAR RADAR DETECTION SYSTEM ON THE UNDERSIDE OF THE MAST ARM OR ON POLE AS INDICATED. CONTACT ERIC KINSMAN (801) 830-9557 TWO WEEKS PRIOR TO ASSEMBLY FOR ASSISTANCE WITH DETECTION AREA LOCATING.
7. REMOVE STOP SIGN WHEN TRAFFIC SIGNAL IS OPERATIONAL.

NOTES CONTINUED:

8. PROTECT ALL EXISTING UTILITIES IN-PLACE UNLESS MARKED FOR RECONSTRUCTION, RELOCATION OR ABANDONMENT.
9. POLYMER CONCRETE JUNCTION BOX, TIER 22, TYPE B
10. POLYMER CONCRETE JUNCTION BOX, TIER 22, TYPE C
11. POLYMER CONCRETE JUNCTION BOX, TIER 22, TYPE II
12. POLYMER CONCRETE JUNCTION BOX, TIER 22, TYPE III
13. EXISTING OVERHEAD POWER AND COMMUNICATION LINES. USE CARE WHEN INSTALLING SIGNAL POLE AND MAST ARM.
14. CENTER SIGNAL HEADS OVER TRAVEL LANES UNLESS OTHERWISE NOTED.

REVISIONS				
NO.	DATE	APPROVED BY	REMARKS	
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UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

APPROVED

5/12/2021
DATE

PROFESSIONAL ENGINEER

DRAWN BY TAR
QC CHECKED BY PBG

US-6 & POWERHOUSE ROAD
(MP 177.517), SPANISH FORK

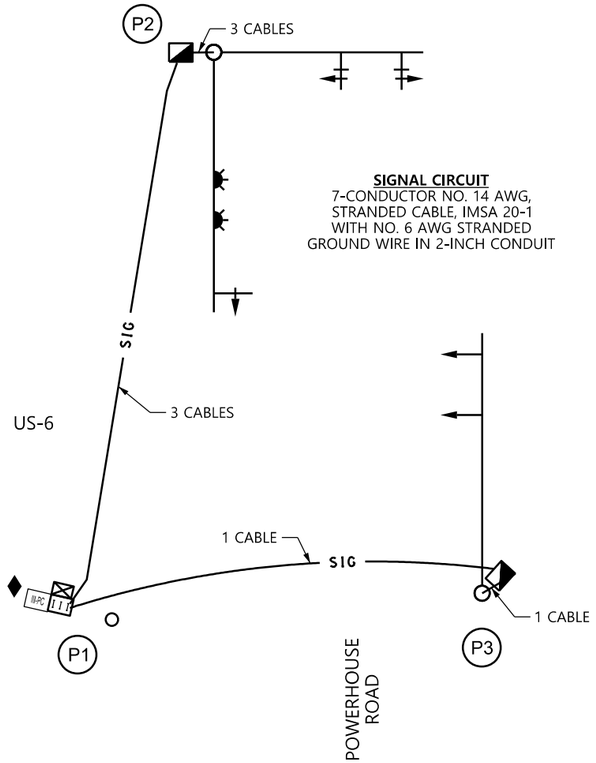
PROJECT

PROJECT NUMBER: PIN 18850
S-0006(223)178

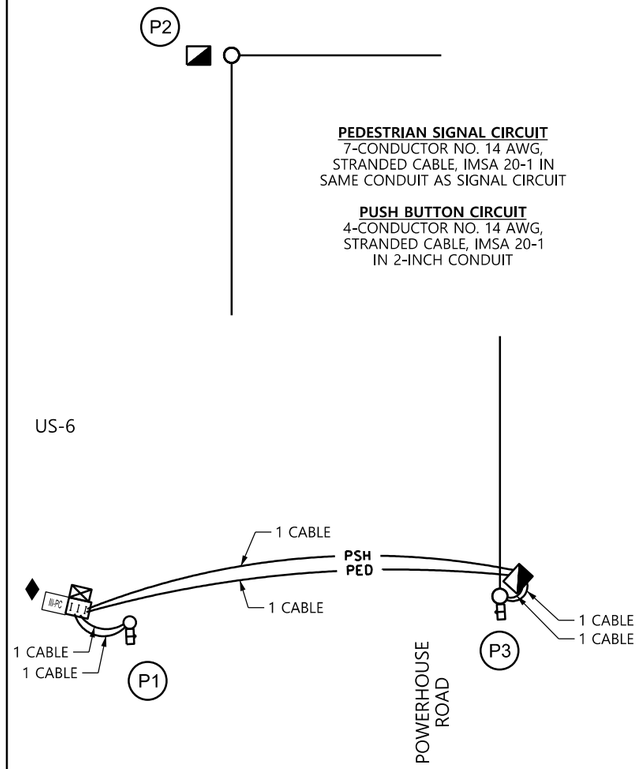
SIGNAL

SHEET NO. SG-01

12-MAY-2021 DGN File: R:\C4DD Support Microstation\UDOT-C4DD-Standards\UDOT-Standards.MBC\Worksets\20-830 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850-SG-01.dgn

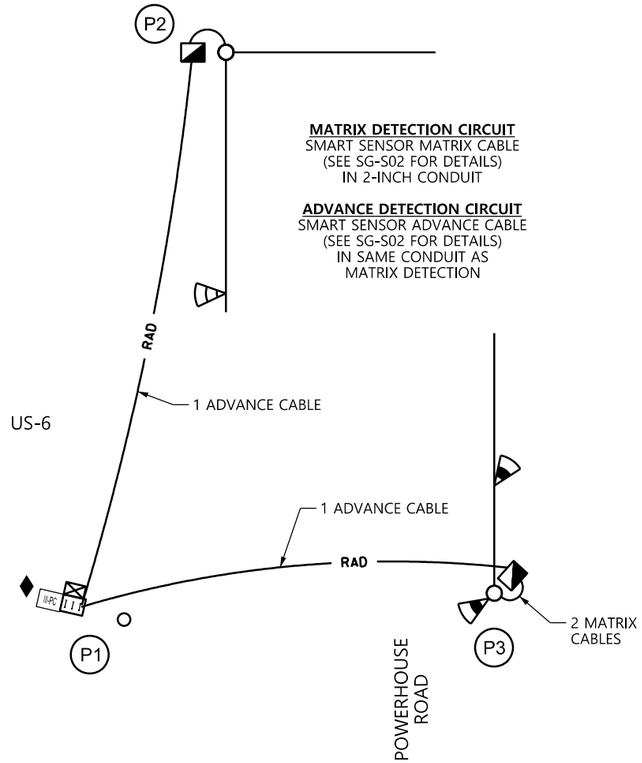


SIGNAL CIRCUIT
7-CONDUCTOR NO. 14 AWG,
STRANDED CABLE, IMSA 20-1
WITH NO. 6 AWG STRANDED
GROUND WIRE IN 2-INCH CONDUIT



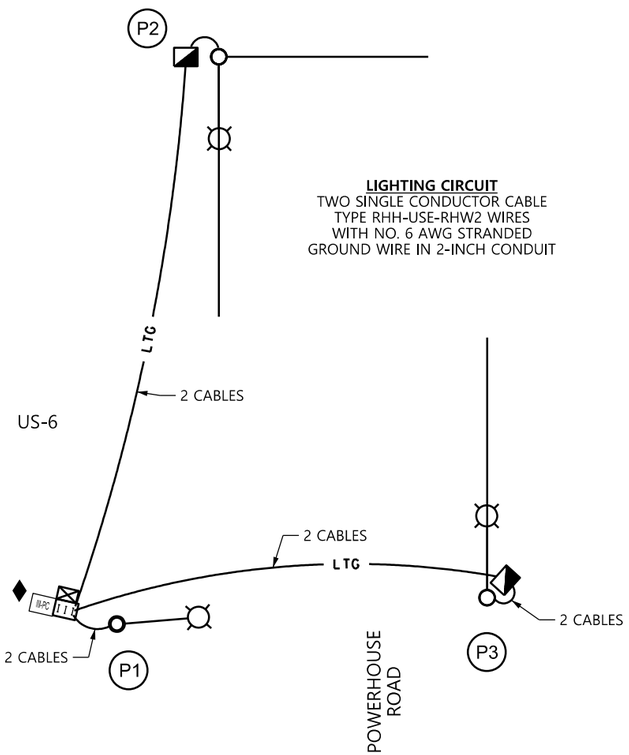
PEDESTRIAN SIGNAL CIRCUIT
7-CONDUCTOR NO. 14 AWG,
STRANDED CABLE, IMSA 20-1 IN
SAME CONDUIT AS SIGNAL CIRCUIT

PUSH BUTTON CIRCUIT
4-CONDUCTOR NO. 14 AWG,
STRANDED CABLE, IMSA 20-1
IN 2-INCH CONDUIT



MATRIX DETECTION CIRCUIT
SMART SENSOR MATRIX CABLE
(SEE SG-S02 FOR DETAILS)
IN 2-INCH CONDUIT

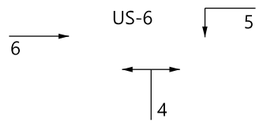
ADVANCE DETECTION CIRCUIT
SMART SENSOR ADVANCE CABLE
(SEE SG-S02 FOR DETAILS)
IN SAME CONDUIT AS
MATRIX DETECTION

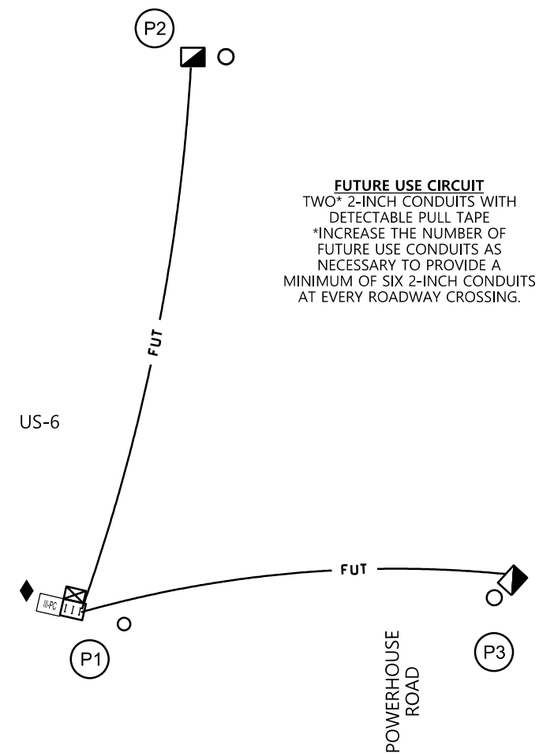


LIGHTING CIRCUIT
TWO SINGLE CONDUCTOR CABLE
TYPE RHH-USE-RHW2 WIRES
WITH NO. 6 AWG STRANDED
GROUND WIRE IN 2-INCH CONDUIT



NEMA PHASING PLAN





FUTURE USE CIRCUIT
TWO* 2-INCH CONDUITS WITH
DETECTABLE PULL TAPE
*INCREASE THE NUMBER OF
FUTURE USE CONDUITS AS
NECESSARY TO PROVIDE A
MINIMUM OF SIX 2-INCH CONDUITS
AT EVERY ROADWAY CROSSING.

REVISIONS				
NO.	DATE	APPROVED BY	REMARKS
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UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

DRAWN BY TAR
QC CHECKED BY PBG
DATE 5/10/2021
APPROVED
PROFESSIONAL ENGINEER

PROJECT: US-6 & POWERHOUSE ROAD
(MP 177.517), SPANISH FORK
PIN 18850
PROJECT NUMBER S-0006(223)178

SIGNAL CIRCUIT

SHEET NO. SG-02

DGN File: R:\CADD Support Microstation\UDOT CADD Standards\UDOT Standards MBDC\Worksets\20-030 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850-SG-02.dgn
10-MAY-2021

LEGEND

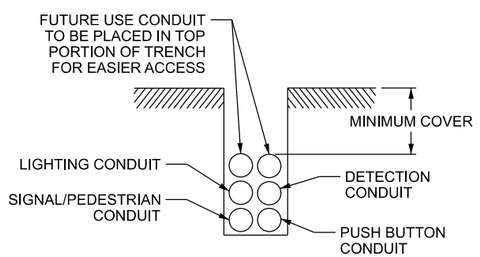
Existing	PROPOSED	
pwr	PWR	POWER SOURCE CIRCUIT CONDUIT
sig	SIG	SIGNAL CIRCUIT CONDUIT
ped	PED	PEDESTRIAN SIGNAL CIRCUIT CONDUIT
psh	PSH	PEDESTRIAN PUSH BUTTON CIRCUIT CONDUIT
rad	RAD	RADAR DETECTION CIRCUIT CONDUIT
ltg	LTG	LIGHTING CIRCUIT CONDUIT
fut	FUT	FUTURE USE CONDUIT
P1	P1	SIGNAL POLE IDENTIFICATION
		DUAL MAST ARM SIGNAL POLE
		MAST ARM SIGNAL POLE
		SIGNAL POLE LUMINAIRE EXTENSION WITH ARM
		SIGNAL POLE LUMINAIRE EXTENSION WITH VERTICAL ATTACHMENT
		MAST ARM MOUNTED SIGN
ps	PS	POWER SOURCE
		TRAFFIC SIGNAL POLE
		TYPE 0 - 1 SECTION SIGNAL HEAD ASSEMBLY
		TYPE I - 3 SECTION SIGNAL HEAD ASSEMBLY
		TYPE II - 3 SECTION SIGNAL HEAD ASSEMBLY
		TYPE III - 3 SECTION (ALL AROWS) SIGNAL HEAD ASSEMBLY
		TYPE IV - 4 SECTION SIGNAL HEAD ASSEMBLY
		TYPE V - 5 SECTION SIGNAL HEAD ASSEMBLY
		TYPE VI - 4 SECTION (ALL ARROWS) SIGNAL HEAD ASSEMBLY
		TYPE VII - 4 SECTION SIGNAL HEAD ASSEMBLY
		PEDESTRIAN HYBRID BEACON - 3 SECTION SIGNAL HEAD ASSEMBLY
		VIBRATION MITIGATOR
		TRAFFIC SIGNAL CONTROLLER CABINET
		TYPE A JUNCTION BOX
		TYPE B JUNCTION BOX
		TYPE C JUNCTION BOX
	TYPE III JPC	TYPE III JUNCTION BOX (ATMS)
		SAME JUNCTION BOX USED FOR SIGNAL CIRCUIT
		PEDESTRIAN SIGNAL HEAD WITH PUSH BUTTON
		AUDIBLE PEDESTRIAN SIGNAL HEAD
		PUSH BUTTON
		UNDERGROUND SERVICE PEDESTAL (USP)
		PREEMPTION CONTROL SYSTEM DETECTOR
		DIRECTIONAL ANTENNA
		VIDEO DETECTION CAMERA
		CCTV CAMERA
		RADAR DETECTION, DILEMMA ZONE
		RADAR DETECTION, STOP BAR
		WIRELESS DETECTION PUCK
		WIRELESS DETECTION, ACCESS POINT
		WIRELESS DETECTION, REPEATER
		SENSOR LOOP
		RRFB (WITH INTEGRATED PEDESTRIAN CONFIRMATION PILOT LIGHT)

EXISTING EQUIPMENT

	SALVAGE										REMOVE																	RELOCATE								
	TRAFFIC SIGNAL CONTROLLER	TRAFFIC SIGNAL CABINET	UNDERGROUND SERVICE PEDESTAL	SIGNAL HEAD	COUNTDOWN PEDESTRIAN SIGNAL HEAD	LED LUMINAIRE HEAD	RADAR DETECTION SENSOR	WIRELESS DETECTION ACCESS POINT/REPEATER	WIRELESS DETECITON PUCKS	VIBRATION MITIGATOR	VIDEO DETECTION CAMERA	TRAFFIC SIGNAL CABINET FOUNDATION	UNDERGROUND SERVICE PEDESTAL FOUNDATION	MAST ARM SIGNAL POLE FOUNDATION	TRAFFIC SIGNAL POLE FOUNDATION	LUMINAIRE POLE FOUNDATION	MAST ARM SIGNAL POLE	TRAFFIC SIGNAL POLE	MAST ARM	HIGHWAY LUMINAIRE POLE	LUMINAIRE EXTENSION	LUMINAIRE ARM	SIGNAL HEAD	PEDESTRIAN SIGNAL HEAD	PEDESTRIAN PUSH BUTTON	MAST ARM MOUNTED SIGN	JUNCTION BOX	WIRE/CABLE	TRAFFIC SIGNAL CONTROLLER CABINET	SIGNAL HEAD	COUNTDOWN PEDESTRIAN SIGNAL HEAD	LUMINARE EXTENSION & ARM	PREEMPTION RECEIVER	MAST ARM MOUNTED SIGN	RADAR DETECTION SENSOR	WIRELESS DETECTION ACCESS POINT/REPEATER	OVERHEAD DEVICE ON LUMINAIRE EXTENSION
LOCATION	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	FT	EA	EA	EA	EA	EA	EA	EA	EA
TOTAL																																			

*

* THESE ITEMS ARE PAID UNDER THE TRAFFIC SIGNAL SYSTEM LUMP ITEM, UNLESS NOTED OTHERWISE



NOTES:

1. REFER TO SL SERIES STANDARD DRAWINGS FOR MINIMUM CONDUIT DEPTH REQUIREMENTS.
2. MINIMUM OF 6 CONDUITS ARE REQUIRED FOR EACH ROAD CROSSING LOCATION.

TRENCHING AND BORING DETAIL

NOTES:

REGION	SIGNAL CREW CONTACT	PHONE
1	DAVID TOWNSEND	801-940-0485
2	DAVE MOUNT	801-330-4446
3	ERIC KINSMAN	801-830-9557
4	TYSON LARSON	801-830-9556

1. CONTACT REGION SIGNAL CREW TO SCHEDULE/COORDINATE ON THE FOLLOWING ITEMS:

   SALVAGED ITEMS: PROVIDE 2 DAYS NOTICE. ENSURE ALL SALVAGED ITEMS HAVE ALL PARTS AND ASSOCIATED HARDWARE.

   SIGNAL INSPECTION: 8 DAYS PRIOR TO TURN-ON CONTACT REGION SIGNAL CREW TO REQUEST AN IN-PROGRESS SIGNAL INSPECTION.

   SIGNAL TURN-ON: PROVIDE 5 DAYS NOTICE. COMPLETE UDOT TRAFFIC SIGNAL TURN-ON CHECKLIST PRIOR TO CALLING SIGNAL CREW.

2. CONTRACTOR IS RESPONSIBLE TO DISPOSE OF REMOVAL ITEMS AND ASSUME RESPONSIBILITY THEREAFTER. REUSE MATERIALS ONLY AS SPECIFIED OR AS APPROVED BY THE ENGINEER.
3. REFER TO UDOT STD DWG SL SERIES FOR DETAILS.

REVISIONS

NO.	DATE	APPROVED BY	REMARKS
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UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

DRAWN BY | TAR
QC CHECKED BY | PBG
APPROVED
5/10/2021 DATE
PROFESSIONAL ENGINEER

PROJECT: US-6 & POWERHOUSE ROAD (MP 177.517), SPANISH FORK
PROJECT NUMBER: S-0006(223)178 | PIN 18850

SIGNAL SCHEDULE

SHEET NO. SG-S01

D:\DGN Files\Roads\CADD Support Microstation\UDOT CADD Standards\UDOT Standards_MBDC\Worksets\20-030 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850-SG-S01 Legend and Existing Equipment Signal Schedule.dgn
19-MAY-2021

CONTRACTOR FURNISHED MATERIALS

	STRUCTURAL SUPPORT					POWER		CONDUIT					JUNCTION BOX			SIGN	SIGNAL AND PEDESTRIAN					LIGHTING	GROUNDING		DETECTION	
	MAST ARM SIGNAL POLE FOUNDATION - 3' x 12' (30' TO 65')	TYPE DS 90-DEGREE DUAL STRAIGHT MAST ARM SIGNAL POLE (40'-55') FOUNDATION - 3' x 14'	40' HIGHWAY LUMINAIRE POLE (SLIP BASE) FOUNDATION - 2.5' x 8'	CABINET FOUNDATION	UNDERGROUND SERVICE PEDESTAL FOUNDATION	UNDERGROUND SERVICE PEDESTAL	POWER SOURCE (120 VOLT)	2" CONDUIT	3" CONDUIT	2" CONDUIT WITH DETECTABLE PULL TAPE (FUTURE USE)	TRENCHING UNPAVED SURFACE	DIRECTIONAL BORING	TYPE A	TYPE B	TYPE C	MAST ARM MOUNTED SIGN WITH MOUNTING BRACKETS	7 CONDUCTOR NO. 14 CABLE (SIGNAL CIRCUIT)	7 CONDUCTOR NO. 14 CABLE (PED CIRCUIT)	4 CONDUCTOR NO. 14 CABLE (PUSH BUTTON CIR)	COUNTDOWN PEDESTRIAN SIGNAL HEAD	PUSH BUTTON AND SIGN ASSEMBLY	NO. 6 SINGLE CONDUCTOR CABLE	GROUND ROD	NO. 6 BARE COPPER GROUND WIRE	SMART SENSOR ADVANCE CABLE (SEE NOTE 5)	SMART SENSOR MATRIX CABLE (SEE NOTE 5)
LOCATION	EA	EA	EA	EA	EA	EA	EA	FT	FT	FT	FT	FT	EA	EA	EA	EACH	FT	FT	FT	EA	EA	FT	EA	FT	FT	FT
US-6 & POWER HOUSE ROAD	1	1	1	1	1	1	1	975	165	420	115	210	0	2	1	3	905	185	175	2	2	970	4	580	230	390
TOTAL	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**$**	**$**	**$**	**$**	**$**	**0**	**2**	**1**	**3**	**$**	**$**	**$**	**2**	**2**	**$**	**$**	**$**	**$**	**$**
USE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

$ THESE ITEMS ARE CALCULATED BY THE CONTRACTOR

* THESE ITEMS ARE COMBINED ON ESTIMATE AS TRAFFIC SIGNAL SYSTEM US-6 & POWERHOUSE ROAD

NOTES:

1. SEE UDOT STD DWG SL SERIES AND SECTIONS 02892 AND 16530.
2. CONTACT THE SERVING POWER COMPANY A MINIMUM OF THIRTY (30) DAYS BEFORE POWER SERVICE IS REQUIRED. SEE UDOT STD DWG SL 4C FOR UNDERGROUND SERVICE PEDESTAL DETAILS. CONTACT REGION SIGNAL CREW (SEE SG-S01 FOR CONTACT INFORMATION) THREE (3) DAYS IN ADVANCE OF UNDERGROUND SERVICE PEDESTAL INSPECTION. MAKE ALL ARRANGEMENTS WITH LOCAL POWER COMPANY FOR INSTALLATION.
3. PLACE ALL CONDUIT IN SAME TRENCH OR BORE SHOT WHERE POSSIBLE.
4. CONSTRUCT SIGNAL IN A MANNER TO AVOID DAMAGE TO EXISTING UTILITIES. ASSUME RESPONSIBILITY FOR ANY UTILITY DAMAGED BY CONSTRUCTION OPERATIONS. THE PLANS SHOW BURIED UTILITY LOCATIONS IN THEIR APPROXIMATE LOCATION ONLY.
5. SMART SENSOR CABLE: COLOR-CODED, TWISTED PAIR, 6 - CONDUCTOR WIRE WITH 20 AWG FOR POWER AND 22 AWG FOR COMMUNICATION. WAVETRONIX PART # WX-SS-705 OR APPROVED EQUIVALENT.
6. SEE MANUFACTURER'S REQUIREMENTS FOR CABLE TYPE.

REVISIONS

NO.	DATE	APPROVED BY	REMARKS
1			
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UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

DRAWN BY TAR
CHECKED BY PBG
QC
DATE 5/10/2021

APPROVED

PROFESSIONAL ENGINEER

PROJECT: US-6 & POWERHOUSE ROAD (MP 177.517), SPANISH FORK
PROJECT NUMBER: S-0006(223)178 PIN 18850

SIGNAL SCHEDULE

SHEET NO. SG-S02

10-MAY-2021 DGN File: R:\CADD Support Microstation\UDOT_CADD_Standards\UDOT Standards_MBD\Worksets\20-830 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850-SG-S02_Contractor Furnished Material Signal Schedule.dgn

STATE FURNISHED MATERIALS

SIGNAL SCHEDULE

	TRAFFIC SIGNAL					POLES									MAST ARMS								ANCHOR BOLTS	
	CONTROLLER	M.M.U.	SIGNAL CABINET	POWDER COATING	BATTERY BACKUP	TYPE-A / SIGNAL MAST POLE (30' to 55')	TYPE-B / SIGNAL MAST POLE (60' to 70')	TYPE-C / SIGNAL MAST POLE (80' to 85')	TYPE DS 90-DEGREE DUAL STRAIGHT MAST ARM SIGNAL POLE (40'-55')	TYPE-A, B, DUAL POLE CAP	TYPE-C POLE CAP	5.5' SIGNAL / PED POLE	11' SIGNAL / PED POLE	15' SIGNAL / PED POLE	BASEPLATE ADAPTER	30' MAST ARM	35' MAST ARM	40' MAST ARM	40' STRAIGHT MAST ARM	45' MAST ARM	50' MAST ARM	50' STRAIGHT MAST ARM	VIBRATION MITIGATOR	2" x 66" ANCHOR BOLT (Mast Poles)	1" x 36" ANCHOR BOLT (Traffic Poles)
LOCATION	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
US-6 & POWERHOUSE ROAD	1	1	1	1		1			1										1		1	2	8	4
TOTALS	**1**	**1**	**1**	**1**		**1**			**1**										**1**		**1**	**2**	**8**	**4**

NOTES:

1. NOTIFY RESIDENT ENGINEER 4-6 WEEKS PRIOR TO THE DATE STATE FURNISHED MATERIALS ARE NEEDED.
2. PICK UP STATE FURNISHED CONTROLLER CABINET AND CONTROLLER EQUIPMENT AT THE REGION SIGNAL LAB. CONTACT REGION SIGNAL CREW, 10 DAYS PRIOR TO DESIRED PICK UP DATE. SEE SG-S01 FOR CONTACT INFORMATION.
3. PICK UP STATE FURNISHED ANCHOR BOLTS, SIGNAL POLE STEEL, AND OTHER ELECTRONICS HARDWARE AT STATE WAREHOUSE. PROVIDE LOADING EQUIPMENT AND PERSONNEL FOR PICK-UP. CONTACT GREG PALMER, (801) 965-4258, TO SCHEDULE PICK-UP. MINIMUM 48 HOURS ADVANCE NOTICE REQUIRED.
4. POLYMER SIGNAL HEAD ASSEMBLIES INCLUDE SIGNAL HEAD HOUSING, VISORS, AND LOUVERED BACK PLATE WITH RETROREFLECTIVE TAPE WHEN APPLICABLE.

STATE FURNISHED MATERIALS

	DETECTION SCHEDULE								SIGNAL HEAD SCHEDULE																HIGHWAY LIGHTING SCHEDULE											
	RADAR DETECTION								LED MODULES						POLYMER SIGNAL HEADS										POLE / EXTENSIONS								ARMS			LED's	
	ADVANCE RADAR SENSOR	STOPBAR RADAR SENSOR	SENSOR MOUNT	100' CABLE w-CONNECTOR	120' CABLE w-CONNECTOR	EPOXY SPLICE KIT	CLICK-650 RADAR INTERFACE (4-Port)	CLICK-656 RADAR INTERFACE (6-Port)	RED BALL	YELLOW BALL	GREEN BALL	RED ARROW	YELLOW ARROW	GREEN ARROW	1-SECION SIGNAL HEAD	3-SECTION SIGNAL HEAD	4-SECTION SIGNAL HEAD	5-SECTION SIGNAL HEAD	HYBRID BEACON SIGNAL HEAD (HAWK)	TYPE-7 SIGNAL HEAD (Dual-Red)	3 SECTION ASTRO-BRAC ASSEMBLY	4 & 5 SECTION ASTRO BRAC ASSEMBLY	MAST ARM EXTENSION KIT	40' HIGHWAY LIGHT POLE	30' HIGHWAY LIGHT POLE	LUMINAIRE POLE CAP	25' LUMINAIRE EXTENSION (2' 6")	30' LUMINAIRE EXTENSION (7' 6")	40' LUMINAIRE EXTENSION (17' 6")	40' LUMINAIRE EXTENSION (12' 6") (For Type-B Mast Pole)	VERTICAL LUMINAIRE EXTENSION	10' LUMINAIRE ARM	15' LUMINAIRE ARM	15' DUAL LUMINAIRE ARM	MULTI-VOLT / TYPE-A (250w)	MULTI-VOLT / TYPE-B (400w)
LOCATION	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
US-6 & POWERHOUSE ROAD	1	2	3	3		3	1		4	2	4	1	3	3	2	5					7			1						1	1			3			3
TOTALS	**1**	**2**	**3**	**3**		**3**	**1**		**4**	**2**	**4**	**1**	**3**	**3**	**2**	**5**					**7**			**1**						**1**	**1**			**3**			**3**

REVISIONS

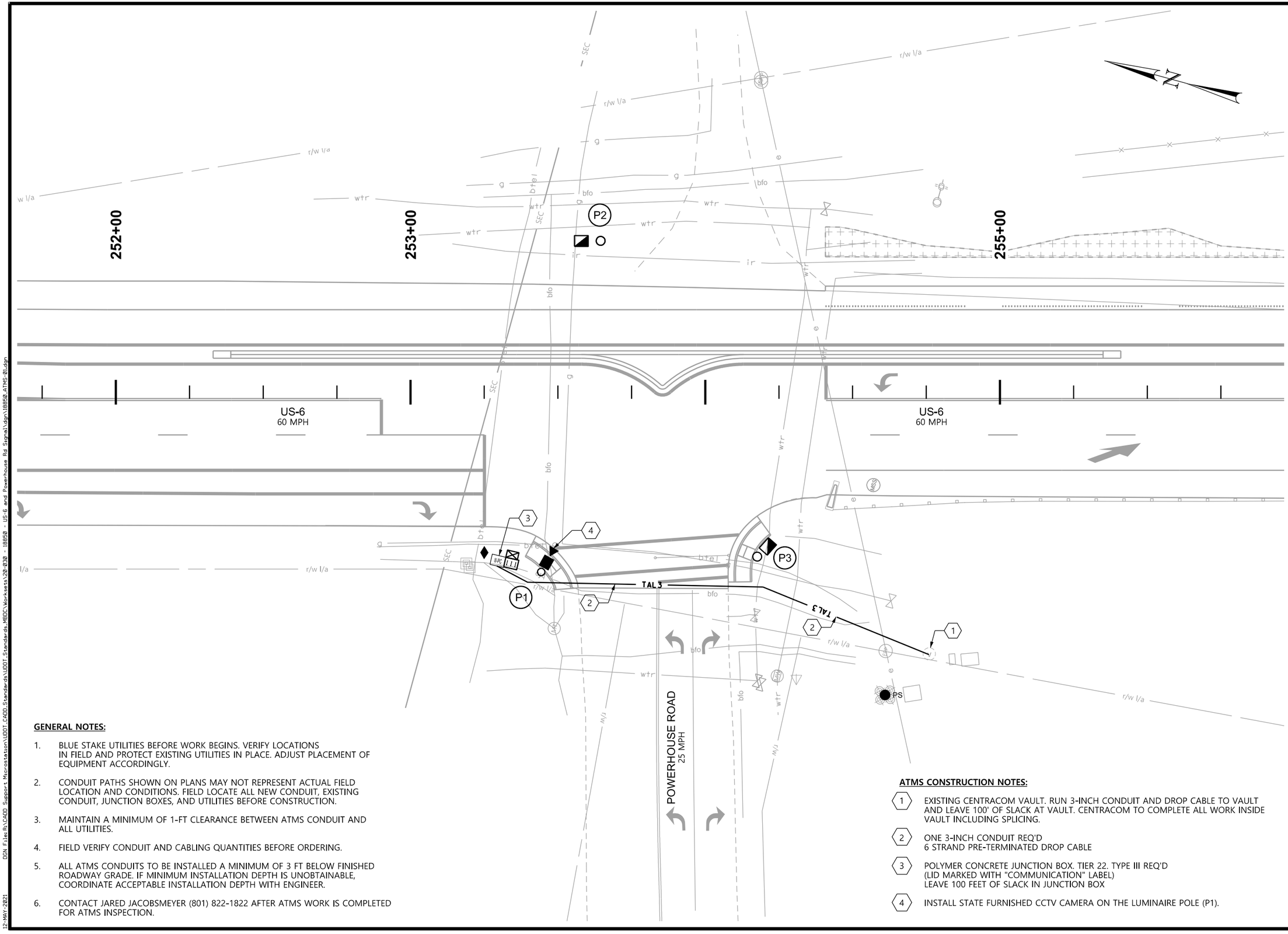
NO.	DATE	APPROVED BY	REMARKS
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UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

DRAWN BY TAR
QC CHECKED BY PBG
5/10/2021 DATE
APPROVED
PROFESSIONAL ENGINEER

PROJECT: US-6 & POWERHOUSE ROAD (MP 177.517), SPANISH FORK
PROJECT NUMBER: S-0006(223)178 PIN 18850
SHEET TITLE: SIGNAL SCHEDULE
SHEET NO. SG-S03

10-MAY-2021 DGN File:R:\CADD Support Microstation\UDOT-CADD-Standards\UDOT-Standards-NBD\Worksets\20-030 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850-SG-S03-State Furnished Material Signal Schedule.dgn



GENERAL NOTES:

1. BLUE STAKE UTILITIES BEFORE WORK BEGINS. VERIFY LOCATIONS IN FIELD AND PROTECT EXISTING UTILITIES IN PLACE. ADJUST PLACEMENT OF EQUIPMENT ACCORDINGLY.
2. CONDUIT 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.
3. MAINTAIN A MINIMUM OF 1-FT CLEARANCE BETWEEN ATMS CONDUIT AND ALL UTILITIES.
4. FIELD VERIFY CONDUIT AND CABLING QUANTITIES BEFORE ORDERING.
5. ALL ATMS CONDUITS TO BE INSTALLED A MINIMUM OF 3 FT BELOW FINISHED ROADWAY GRADE. IF MINIMUM INSTALLATION DEPTH IS UNOBTAINABLE, COORDINATE ACCEPTABLE INSTALLATION DEPTH WITH ENGINEER.
6. CONTACT JARED JACOBSMEYER (801) 822-1822 AFTER ATMS WORK IS COMPLETED FOR ATMS INSPECTION.

ATMS CONSTRUCTION NOTES:

1. EXISTING CENTRACOM VAULT. RUN 3-INCH CONDUIT AND DROP CABLE TO VAULT AND LEAVE 100' OF SLACK AT VAULT. CENTRACOM TO COMPLETE ALL WORK INSIDE VAULT INCLUDING SPLICING.
2. ONE 3-INCH CONDUIT REQ'D
   6 STRAND PRE-TERMINATED DROP CABLE
3. POLYMER CONCRETE JUNCTION BOX. TIER 22. TYPE III REQ'D
   (LID MARKED WITH "COMMUNICATION" LABEL)
   LEAVE 100 FEET OF SLACK IN JUNCTION BOX
4. INSTALL STATE FURNISHED CCTV CAMERA ON THE LUMINAIRE POLE (P1).

REVISIONS

NO.	DATE	APPROVED BY	REMARKS
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UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

APPROVED

PROFESSIONAL ENGINEER

DRAWN BY	TAR
QC CHECKED BY	PBG
DATE	5/12/2021

PROJECT: US-6 & POWERHOUSE ROAD (MP 177.517), SPANISH FORK

PROJECT NUMBER: S-0006(223)178 PIN 18850

ATMS

SHEET NO. ATMS-01

DGN File: R:\CADD Support Microstation\UDOT_CADD_Standards\UDOT_Standards_MBDC\Worksets\20-030 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850_ATMS-01.dgn
12-MAY-2021

STATE FURNISHED MATERIALS

	ATMS SCHEDULE										
	CABINET / COMMUNICATION			CCTV			OTHER				
	CISCO 8-PORT ETHERNET SWITCH	3' FIBER JUMPER, DUPLEX (LC-ST)	4' CAT5 ETHERNET PATCH CABLE	AXIS / HD DIGITAL CCTV ASSEMBLY	AXIS / WALL MOUNT ARM	AXIS / POLE MOUNT BRACKET	POLYMER CONCRETE JUNCTION BOX, TIER 22, TYPE III	GROUND ROD	3-INCH CONDUIT	PRE-TERMINATED 6 STRAND DROP CABLE	TRENCHING (UNPAVED SURFACE)
LOCATION	EA	EA	EA	EA	EA	EA	EA	EA	FT	FT	FT
US-6 & POWERHOUSE ROAD	1	2	2	1	1	1	1	1	155	360	65
TOTALS	**1**	**2**	**2**	**1**	**1**	**1**	**1**	**1**	**155**	**360**	**65**
USE	*	*	*	***	***	***	**	**	**	**	**

* STATE FURNISHED AND INSTALLED

** CONTRACTOR FURNISHED AND INSTALLED

*** STATE FURNISHED AND CONTRACTOR INSTALLED

NOTES:

1. NOTIFY RESIDENT ENGINEER 4-6 WEEKS PRIOR TO THE DATE STATE FURNISHED MATERIALS ARE NEEDED.

2. CONTACT REGION TRAFFIC MANAGEMENT PROJECT MANAGER REGARDING STATE FURNISHED ATMS MATERIALS REQUISITION AFTER PRECONSTRUCTION MEETING TO ENSURE MATERIALS HAVE BEEN ORDERED.

REGION	CONTACT	PHONE
1	MATTHEW SMITH	801-887-3716
2	BRAD CAMERON	801-887-3719
3	CATHERINE JONES	801-330-4447
4	TROY TORGERSEN	435-896-0711

3. CONTACT REGION TRAFFIC MANAGEMENT PROJECT MANAGER TEN DAYS PRIOR TO DESIRED PICKUP DATE OF ATMS MATERIALS. PICKUP STATE FURNISHED ATMS HARDWARE AT STATE WAREHOUSE. CONTACT GREG PALMER, (801) 965-4258, TO SCHEDULE PICK UP. MINIMUM 48 HOURS ADVANCE NOTICE REQUIRED.

4. SALVAGE EXISTING EQUIPMENT AND RETURN TO APPROPRIATE REGION TRAFFIC MANAGEMENT PROJECT MANAGER. CONTACT REGION TRAFFIC MANAGEMENT PROJECT MANAGER TO SCHEDULE DELIVERY DATE.

REVISIONS

NO.	DATE	APPROVED BY	REMARKS
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UTAH DEPARTMENT OF TRANSPORTATION
MAINLINE ENGINEERING LLC

DRAWN BY TAR
CHECKED BY PBG
QC
DATE 5/10/2021

APPROVED

PROFESSIONAL ENGINEER

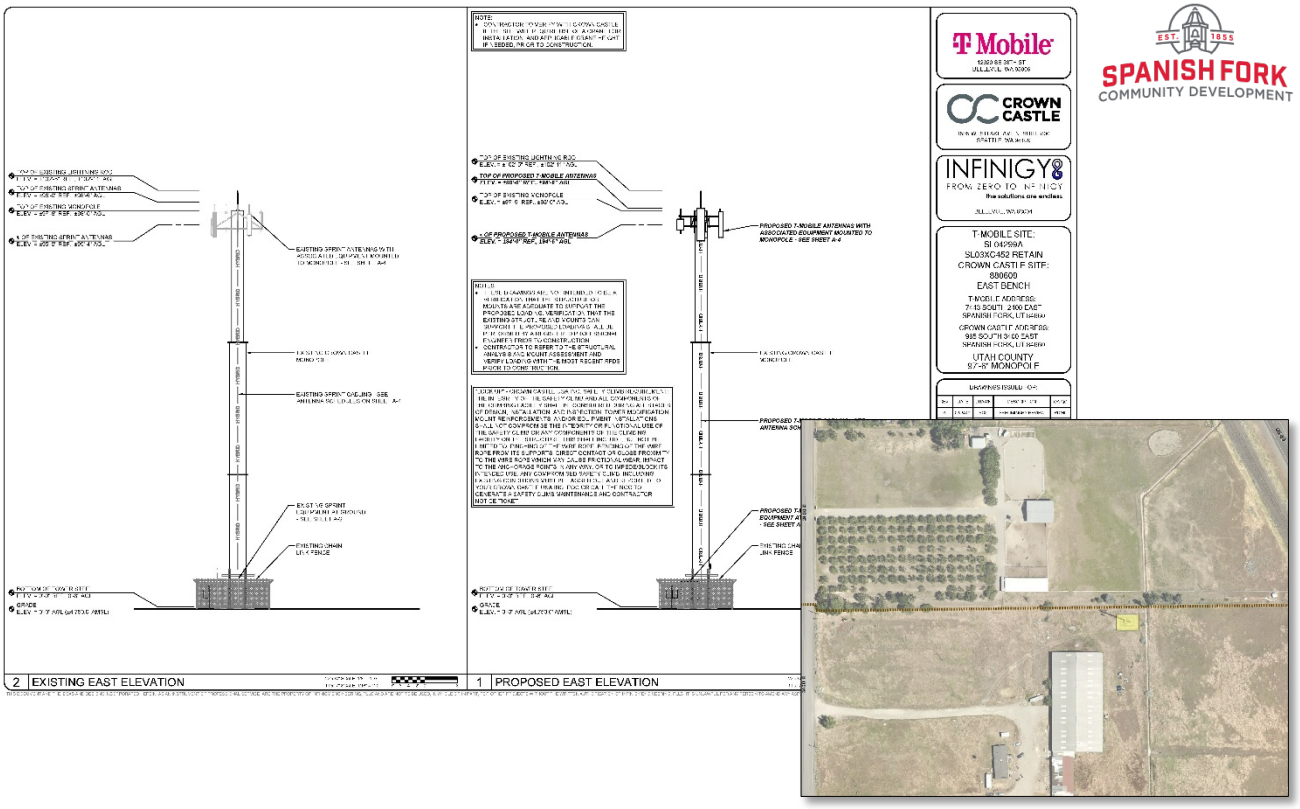
PROJECT: US-6 & POWERHOUSE ROAD (MP 177.517), SPANISH FORK

PROJECT NUMBER: S-0006(223)178 PIN 18850

ATMS SCHEDULE

SHEET NO. ATMS-S01

DGN Files:R:\CADD Support Microstation\UDOT CADD Standards\UDOT Standards MBDC\Worksets\20-030 - 18850 - US-6 and Powerhouse Rd Signal\dgn\18850_ATMS-S01.dgn
10-MAY-2021



SPANISH FORK COMMUNITY DEVELOPMENT

3400 East Cell Tower Conditional Use Permit Request

May 26, 2021, Development Review Committee.

Located at 965 South 3400 East

The subject property is zoned R-1-15.

The applicant has requested that a Conditional Use Permit be approved.

Recommendation

That the proposed Conditional Use Permit be recommended for approval based on the following findings and subject to the following conditions:

Findings

1. That the project conforms to the City's General Plan Designation and Zoning Map.

Conditions

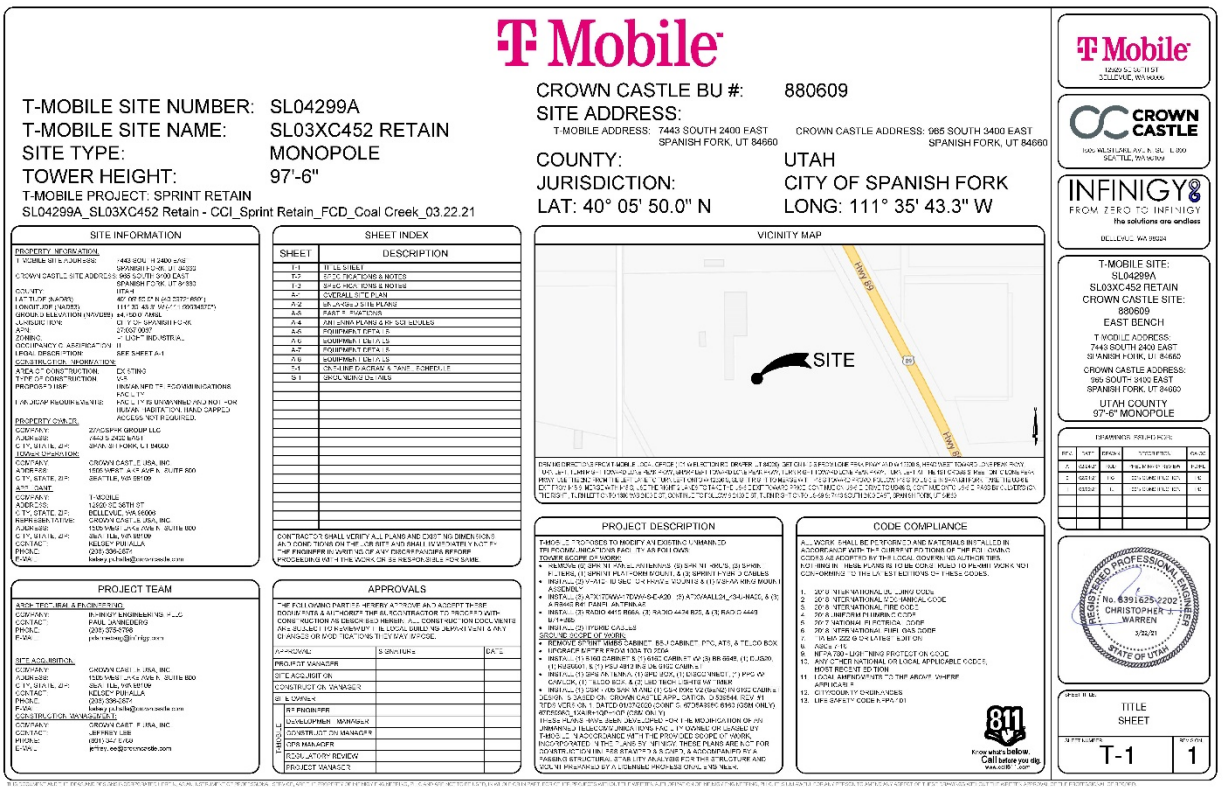
1. That the applicant meets the City's Zoning requirements and Construction Standards.
2. That the applicant addresses any red-lines.

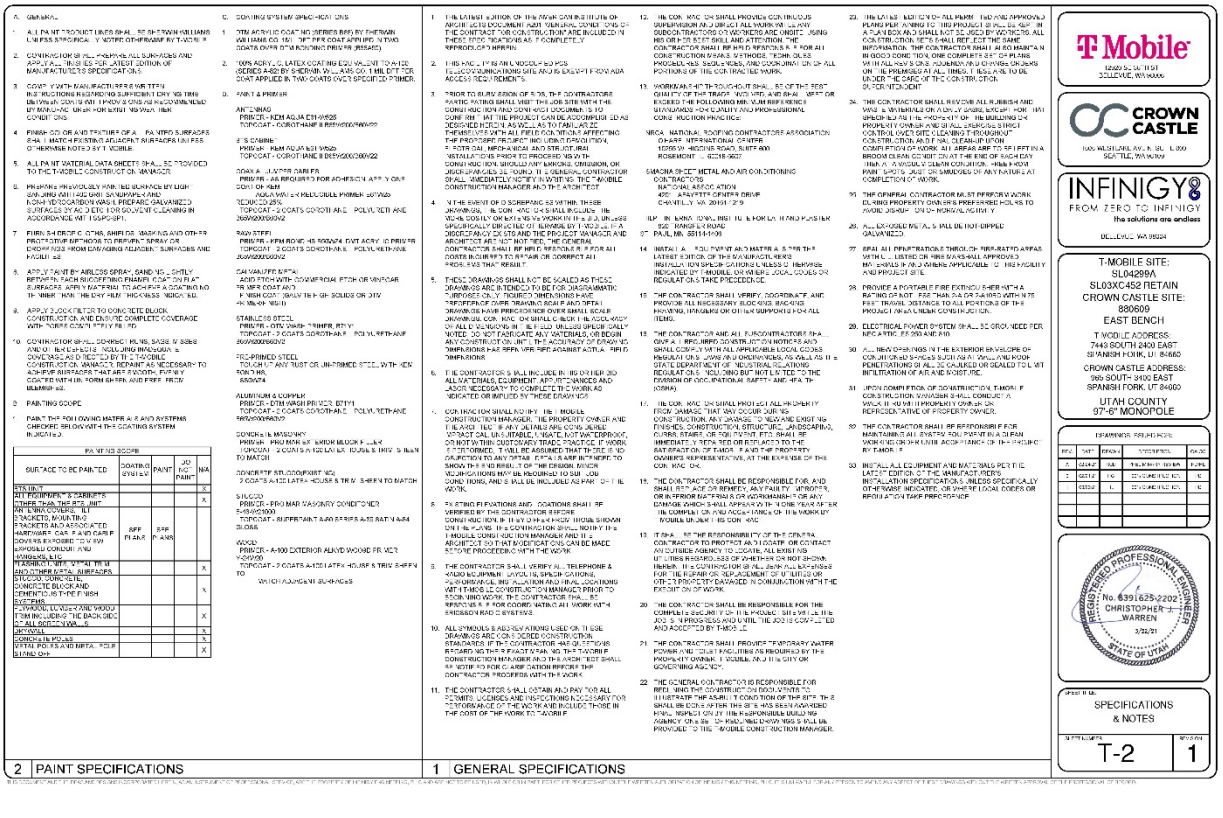
Key Issues

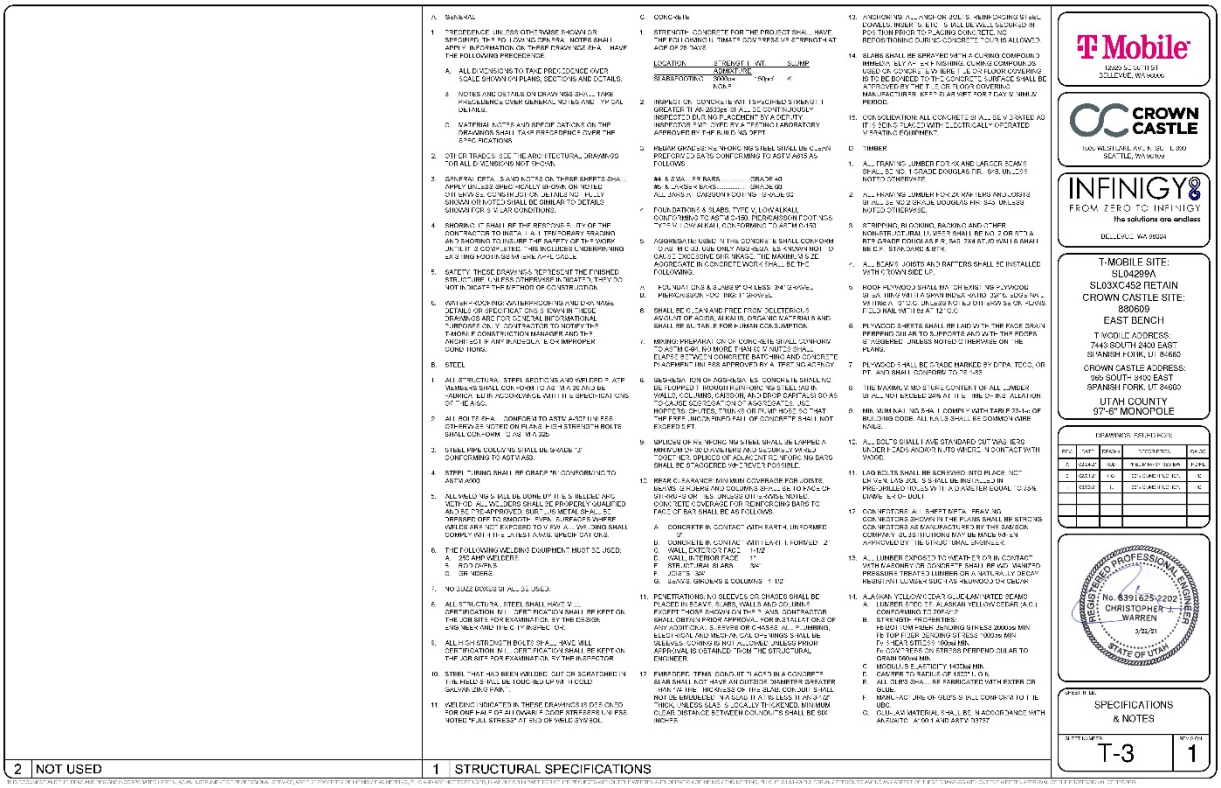
1. No Issues

Exhibits

1. Plans.
2. Site Photos.


T-Mobile
T-MOBILE SITE NUMBER: SL04299A
T-MOBILE SITE NAME: SL03XC452 RETAIN
SITE TYPE: MONOPOLE
TOWER HEIGHT: 97'-6"
T-MOBILE PROJECT: SPRINT RETAIN
SL04299A_SL03XC452 Retain - CCI_Sprint Retain_FCD_Coal Creek_03.22.21
CROWN CASTLE BU #: 880609
SITE ADDRESS:
T-MOBILE ADDRESS: 7443 SOUTH 2400 EAST SPANISH FORK, UT 84660
CROWN CASTLE ADDRESS: 985 SOUTH 3400 EAST SPANISH FORK, UT 84660
COUNTY: UTAH
JURISDICTION: CITY OF SPANISH FORK
LAT: 40° 05' 50.0" N
LONG: 111° 35' 43.3" W
SITE INFORMATION
SHEET INDEX
SHEET DESCRIPTION
VICINITY MAP
SITE
PROJECT DESCRIPTION
CODE COMPLIANCE
PROJECT TEAM
APPROVALS
T-Mobile
CROWN CASTLE
INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
T-MOBILE SITE:
SL04299A
SL03XC452 RETAIN
CROWN CASTLE SITE:
880609
EAST BENCH
T-MOBILE ADDRESS:
7443 SOUTH 2400 EAST
SPANISH FORK, UT 84660
CROWN CASTLE ADDRESS:
985 SOUTH 3400 EAST
SPANISH FORK, UT 84660
UTAH COUNTY
97'-6" MONOPOLE
DRAWINGS REVISIONS
REGISTERED PROFESSIONAL ENGINEER
No. 6391625-2202
CHRISTOPHER J. WARREN
3/22/21
STATE OF UTAH
TITLE SHEET
T-1
1


2 PAINT SPECIFICATIONS
1 GENERAL SPECIFICATIONS
T-Mobile
CROWN CASTLE
INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
T-MOBILE SITE:
SL04299A
SL03XC452 RETAIN
CROWN CASTLE SITE:
880609
EAST BENCH
T-MOBILE ADDRESS:
7443 SOUTH 2400 EAST
SPANISH FORK, UT 84660
CROWN CASTLE ADDRESS:
985 SOUTH 3400 EAST
SPANISH FORK, UT 84660
UTAH COUNTY
97'-6" MONOPOLE
DRAWINGS REVISIONS
REGISTERED PROFESSIONAL ENGINEER
No. 6391625-2202
CHRISTOPHER J. WARREN
3/22/21
STATE OF UTAH
SPECIFICATIONS & NOTES
T-2
1



2 NOT USED

1 STRUCTURAL SPECIFICATIONS

T-Mobile
12920 SE 38TH ST
BELLEVUE, WA 98006

CROWN CASTLE
1220 HEINZ AVE., BLDG. 2
BERKELEY, CA 94710

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
BELLEVUE, WA 98004

T-MOBILE SITE:
SL04299A
SL03XC452 RETAIN
CROWN CASTLE SITE:
880609
EAST BENCH

T-MOBILE ADDRESS:
7443 SOUTH 2400 EAST
SPANISH FORK, UT 84660

CROWN CASTLE ADDRESS:
995 SOUTH 3400 EAST
SPANISH FORK, UT 84660

UTAH COUNTY
97'-6" MONOPOLE

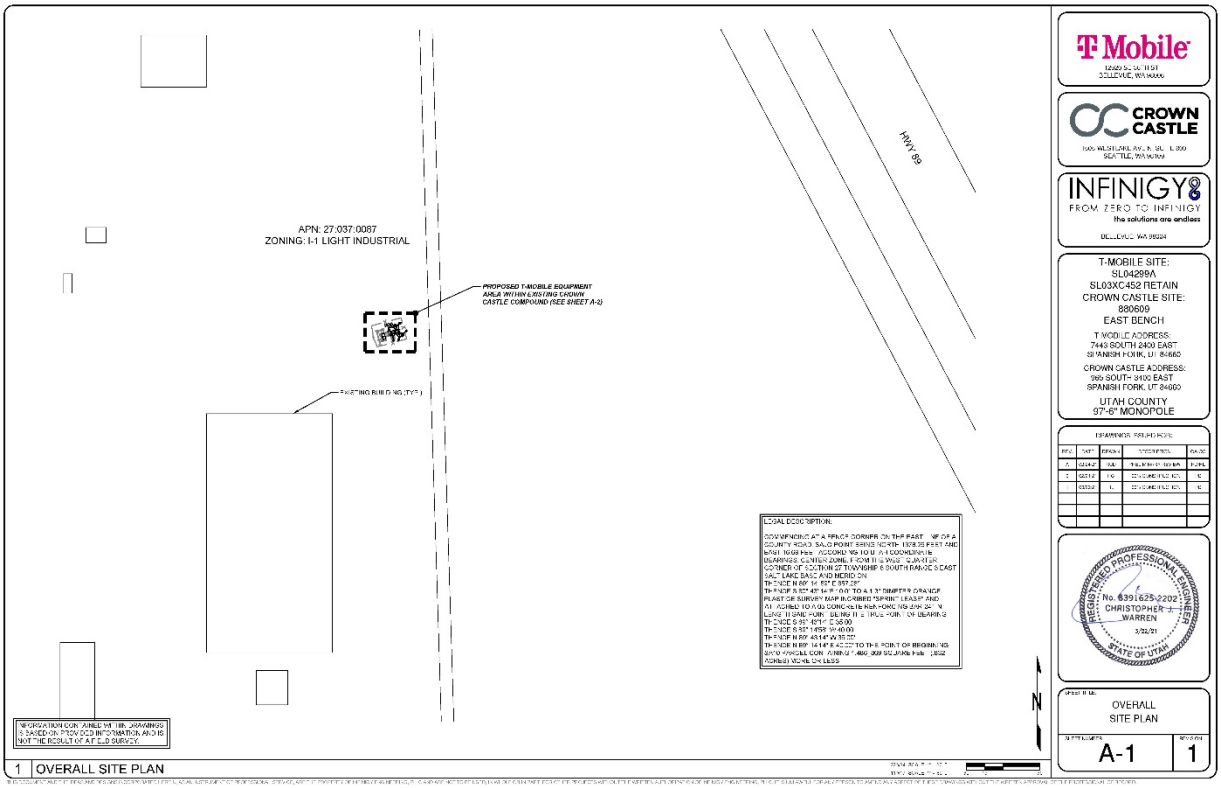
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REV	DATE	DRAWN	DESCRIPTION	CHK'D
A	02/19/21	MA	PRELIMINARY REVIEW	POPE
1	03/31/21	TVG	ZD/CA/ORD REVISIONS	TG
	05/03/21	TL	ZD/CA/ORD REVISIONS	TG

REGISTERED PROFESSIONAL ENGINEER
No. 6391625-2202
CHRISTOPHER J. WARREN
3/22/21
STATE OF UTAH

SHEET TITLE:
SPECIFICATIONS & NOTES

SHEET NUMBER: T-3
REVISION: 1



1 OVERALL SITE PLAN

T-Mobile
12920 SE 38TH ST
BELLEVUE, WA 98006

CROWN CASTLE
1220 HEINZ AVE., BLDG. 2
BERKELEY, CA 94710

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
BELLEVUE, WA 98004

T-MOBILE SITE:
SL04299A
SL03XC452 RETAIN
CROWN CASTLE SITE:
880609
EAST BENCH

T-MOBILE ADDRESS:
7443 SOUTH 2400 EAST
SPANISH FORK, UT 84660

CROWN CASTLE ADDRESS:
995 SOUTH 3400 EAST
SPANISH FORK, UT 84660

UTAH COUNTY
97'-6" MONOPOLE

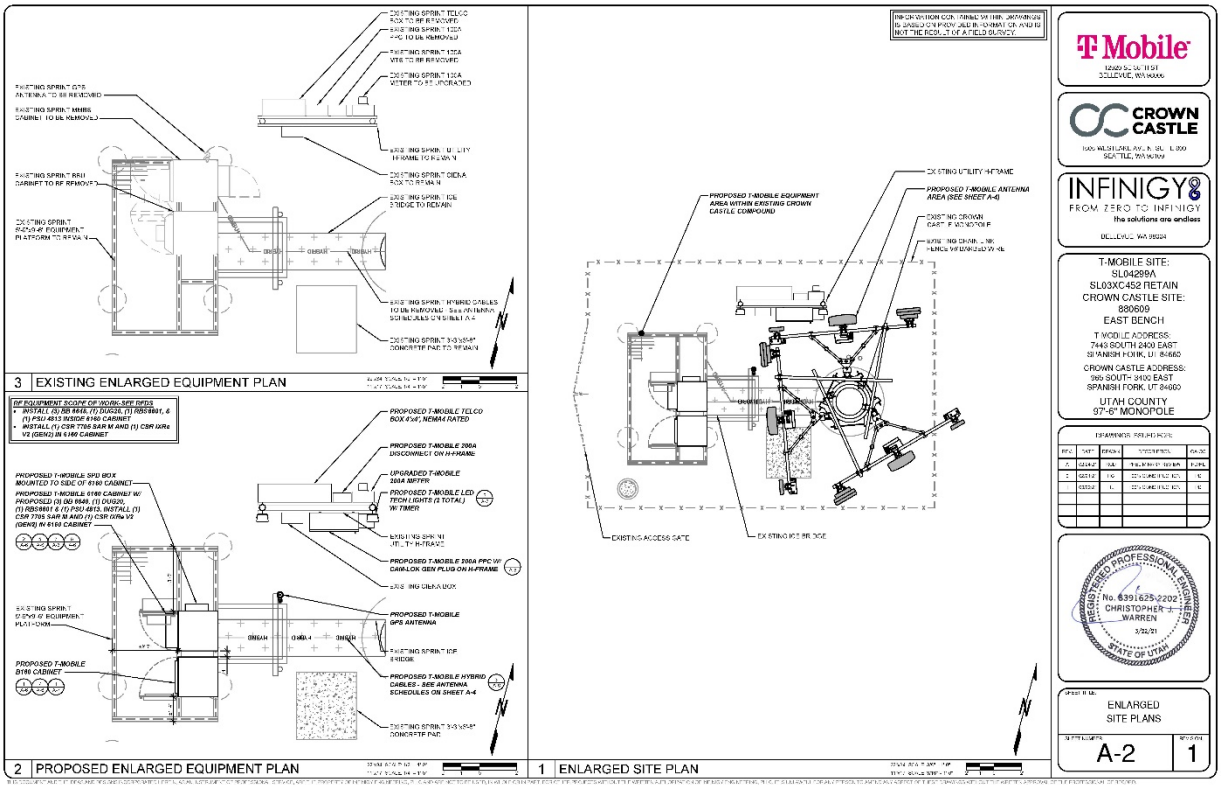
DRAWINGS REVISIONS

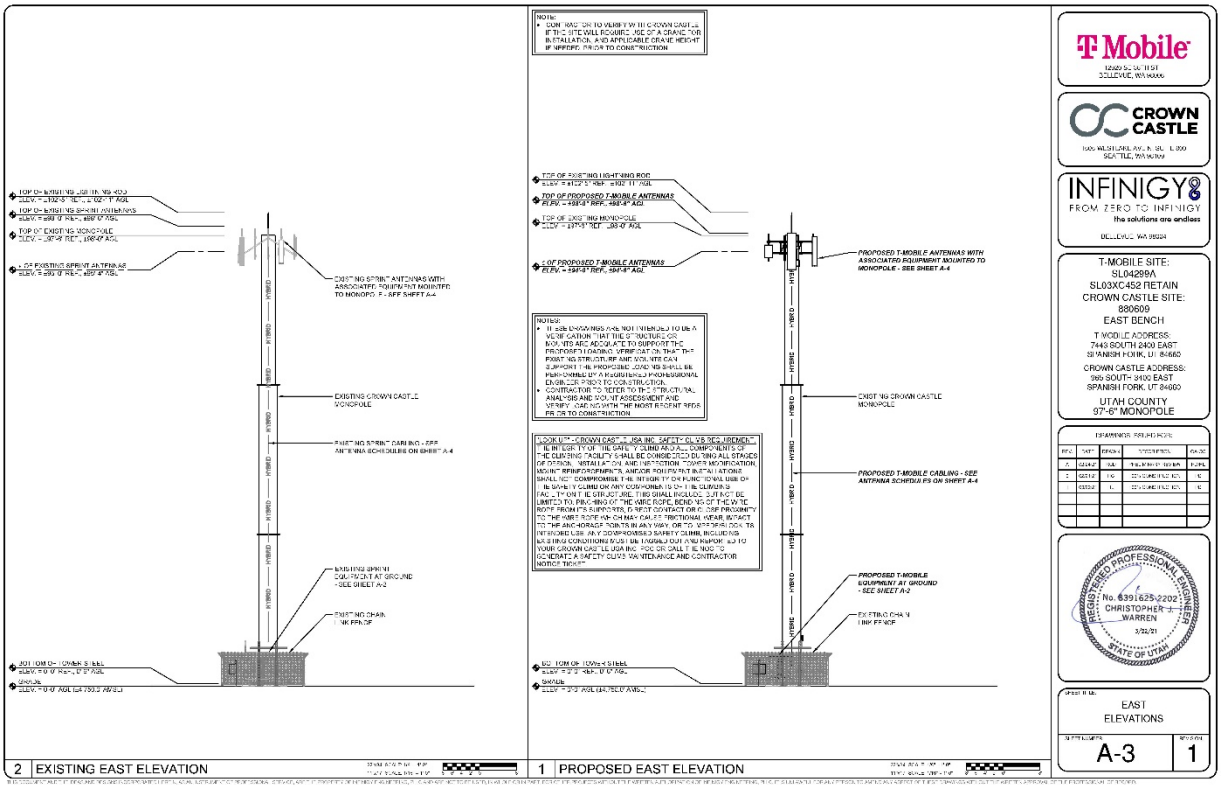
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1	03/31/21	TVG	ZD/CA/ORD REVISIONS	TG
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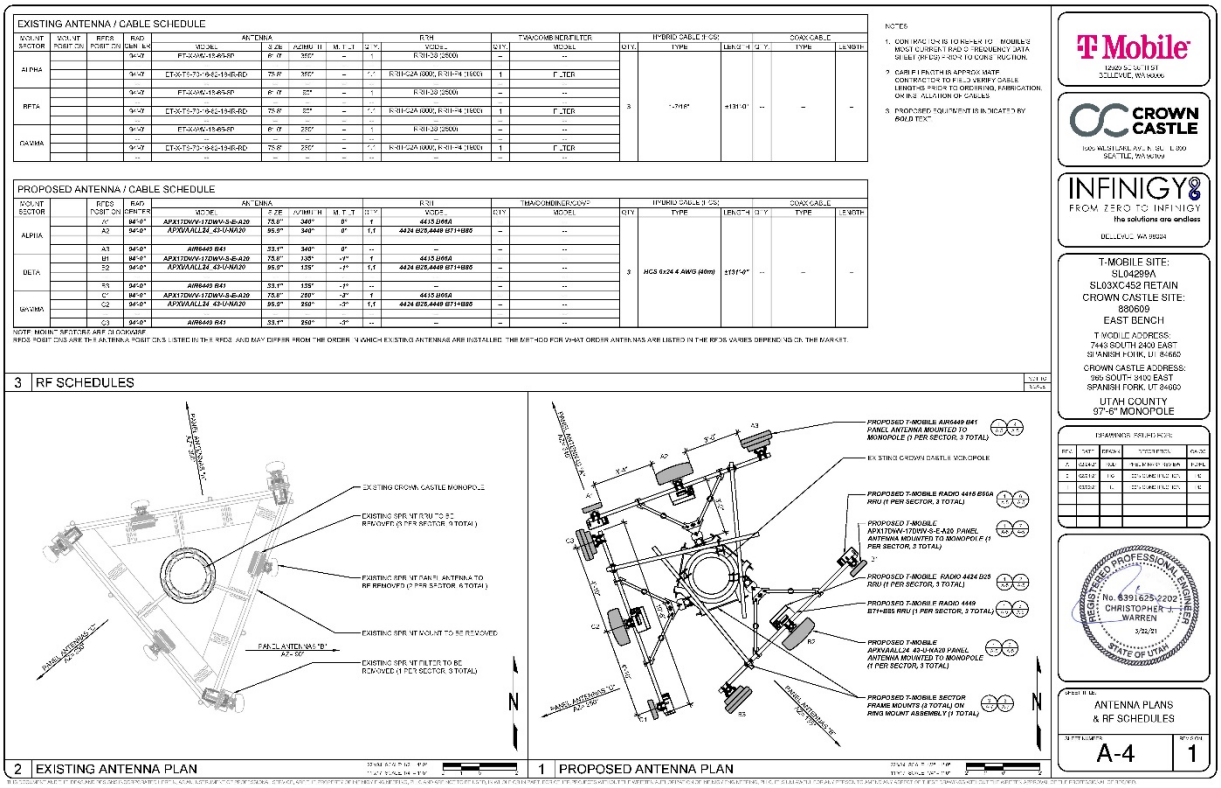
REGISTERED PROFESSIONAL ENGINEER
No. 6391625-2202
CHRISTOPHER J. WARREN
3/22/21
STATE OF UTAH

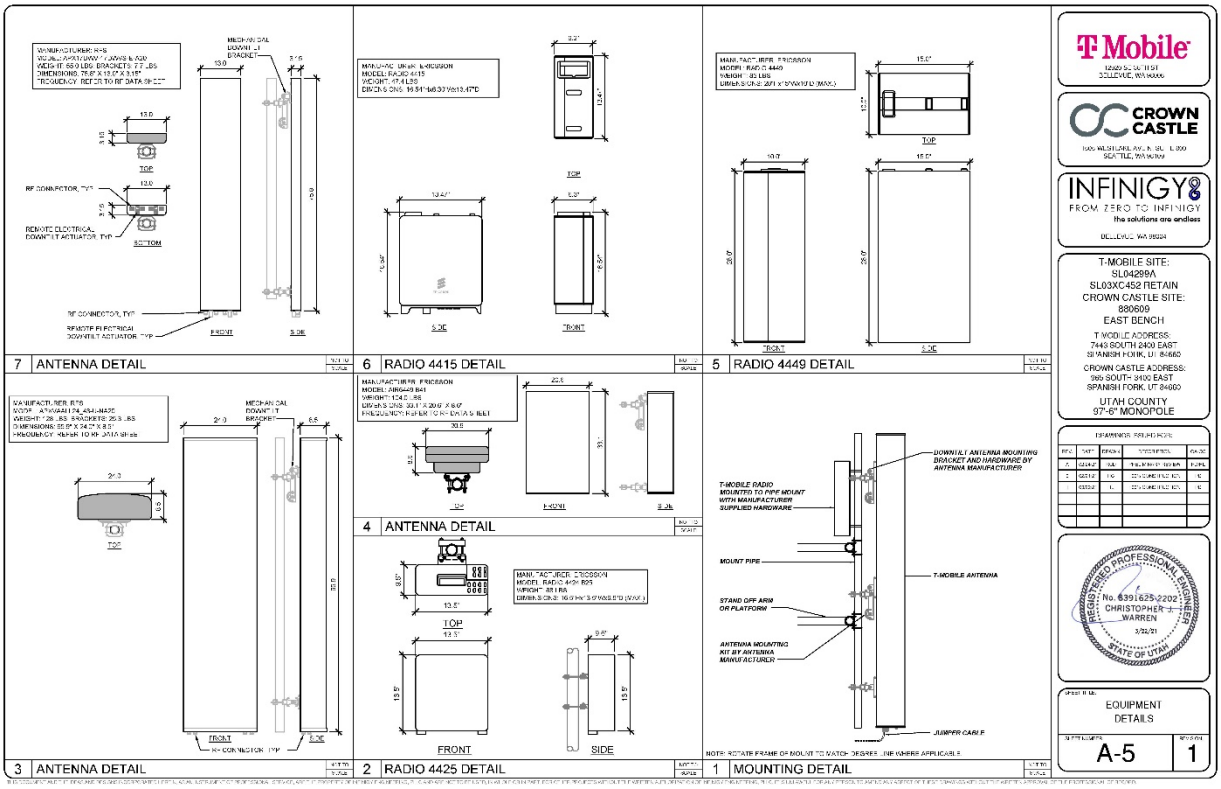
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OVERALL SITE PLAN

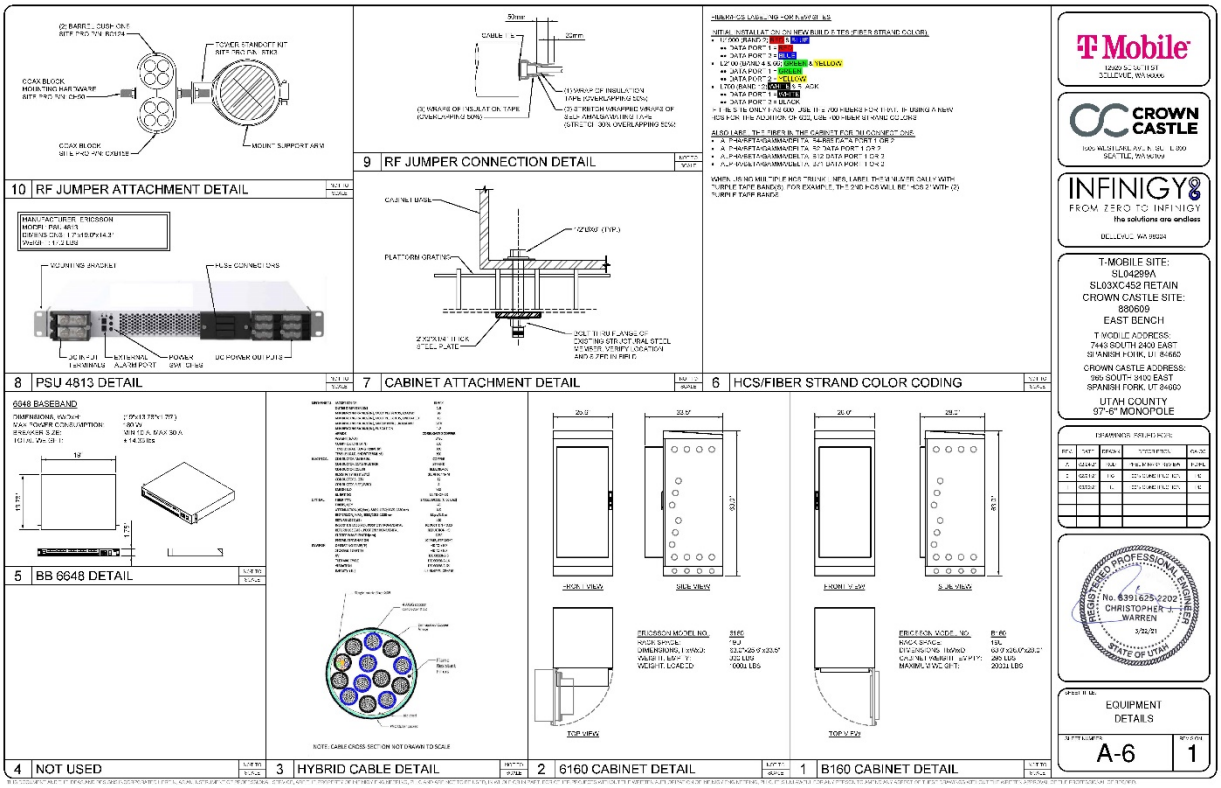
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REVISION: 1

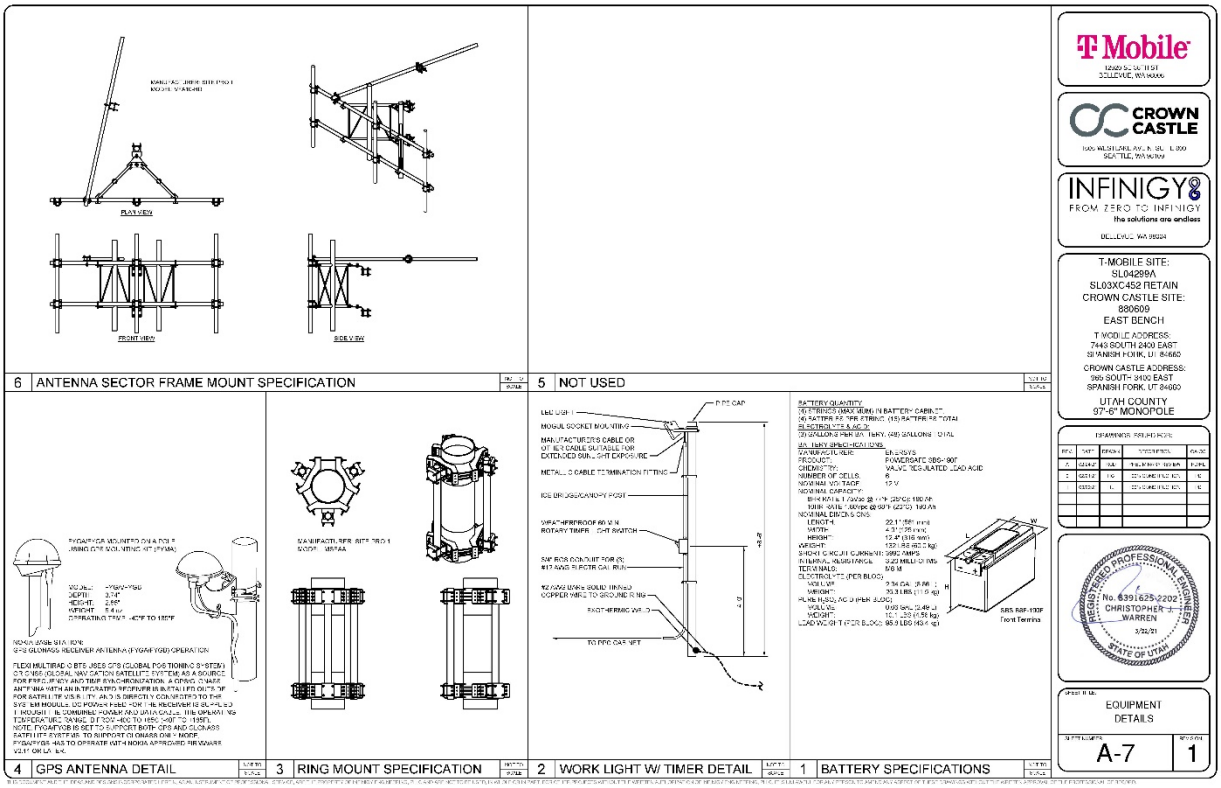

3 EXISTING ENLARGED EQUIPMENT PLAN
2 PROPOSED ENLARGED EQUIPMENT PLAN
1 ENLARGED SITE PLAN
T-Mobile
CROWN CASTLE
INFINIGY
T-MOBILE SITE:
SL04299A
SL03XC452 RETAIN
CROWN CASTLE SITE:
880609
EAST BENCH
T-MOBILE ADDRESS:
7443 SOUTH 2400 EAST
SPANISH FORK, UT 84660
CROWN CASTLE ADDRESS:
995 SOUTH 3400 EAST
SPANISH FORK, UT 84660
UTAH COUNTY
97'-6" MONOPOLE
ENLARGED SITE PLANS
A-2
1

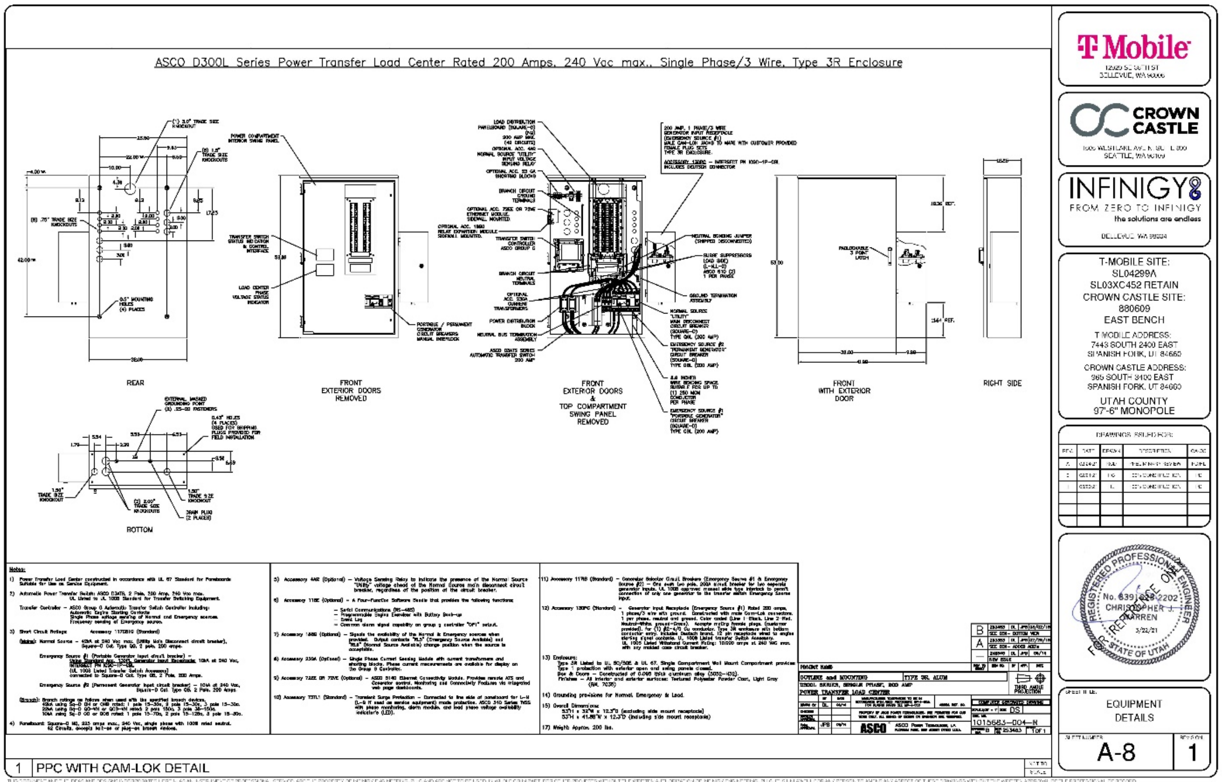

2 EXISTING EAST ELEVATION
1 PROPOSED EAST ELEVATION
T-Mobile
CROWN CASTLE
INFINIGY
T-MOBILE SITE:
SL04299A
SL03XC452 RETAIN
CROWN CASTLE SITE:
880609
EAST BENCH
T-MOBILE ADDRESS:
7443 SOUTH 2400 EAST
SPANISH FORK, UT 84660
CROWN CASTLE ADDRESS:
995 SOUTH 3400 EAST
SPANISH FORK, UT 84660
UTAH COUNTY
97'-6" MONOPOLE
EAST ELEVATIONS
A-3
1


EXISTING ANTENNA / CABLE SCHEDULE
PROPOSED ANTENNA / CABLE SCHEDULE
NOTES
3 RF SCHEDULES
2 EXISTING ANTENNA PLAN
1 PROPOSED ANTENNA PLAN
T-Mobile
CROWN CASTLE
INFINIGY
T-MOBILE SITE: SL04299A
SL03XC452 RETAIN
CROWN CASTLE SITE: 880609
EAST BENCH
T-MOBILE ADDRESS: 7443 SOUTH 2400 EAST SPANISH FORK, UT 84660
CROWN CASTLE ADDRESS: 995 SOUTH 2400 EAST SPANISH FORK, UT 84660
UTAH COUNTY 97'-6" MONOPOLE
ANTENNA PLANS & RF SCHEDULES
A-4
1


7 ANTENNA DETAIL
6 RADIO 4415 DETAIL
5 RADIO 4449 DETAIL
4 ANTENNA DETAIL
3 ANTENNA DETAIL
2 RADIO 4425 DETAIL
1 MOUNTING DETAIL
T-Mobile
CROWN CASTLE
INFINIGY
T-MOBILE SITE: SL04299A
SL03XC452 RETAIN
CROWN CASTLE SITE: 880609
EAST BENCH
T-MOBILE ADDRESS: 7443 SOUTH 2400 EAST SPANISH FORK, UT 84660
CROWN CASTLE ADDRESS: 995 SOUTH 2400 EAST SPANISH FORK, UT 84660
UTAH COUNTY 97'-6" MONOPOLE
EQUIPMENT DETAILS
A-5
1


10 RF JUMPER ATTACHMENT DETAIL
9 RF JUMPER CONNECTION DETAIL
8 PSU 4813 DETAIL
7 CABINET ATTACHMENT DETAIL
6 HCS/FIBER STRAND COLOR CODING
5 BB 6648 DETAIL
4 NOT USED
3 HYBRID CABLE DETAIL
2 6160 CABINET DETAIL
1 B160 CABINET DETAIL
T-MOBILE SITE:
SL04299A
SL03XC452 RETAIN
CROWN CASTLE SITE:
880609
EAST BENCH
T-MOBILE ADDRESS:
7443 SOUTH 2400 EAST
SPANISH FORK, UT 84660
CROWN CASTLE ADDRESS:
995 SOUTH 3400 EAST
SPANISH FORK, UT 84660
UTAH COUNTY
97'-6" MONOPOLE
EQUIPMENT DETAILS
A-6
1


6 ANTENNA SECTOR FRAME MOUNT SPECIFICATION
5 NOT USED
4 GPS ANTENNA DETAIL
3 RING MOUNT SPECIFICATION
2 WORK LIGHT W/ TIMER DETAIL
1 BATTERY SPECIFICATIONS
T-MOBILE SITE:
SL04299A
SL03XC452 RETAIN
CROWN CASTLE SITE:
880609
EAST BENCH
T-MOBILE ADDRESS:
7443 SOUTH 2400 EAST
SPANISH FORK, UT 84660
CROWN CASTLE ADDRESS:
995 SOUTH 3400 EAST
SPANISH FORK, UT 84660
UTAH COUNTY
97'-6" MONOPOLE
EQUIPMENT DETAILS
A-7
1



1 PPC WITH CAM-LOK DETAIL

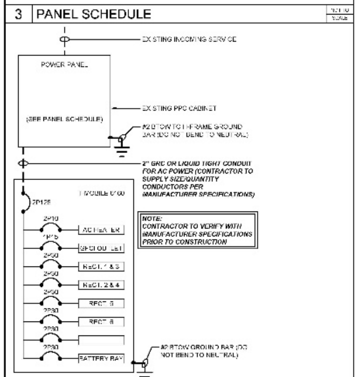
PANEL SCHEDULE — SINGLE PHASE

PANEL ID: A
LOCATION: ON H-FRAME
FED FROM: –
BUS: 200A
MAIN: 200A BREAKER
VOLTAGE: 120/240V
PHASE/WIRE: 1Ø/3 WIRE
A/C: –
SPECIALS:

P#	CIRCUIT DESCRIPTION	AMPS / POLES	Ø	AMPS / POLES	CIRCUIT DESCRIPTION	P#
1	6160 CABINET	125A 2P	A	20A 1P	TECH LIGHT	2
3	--		B	20A 1P	TELCO CABINET OUTLET	4
5	--		A		SPACE	6
7	--		B		SPACE	8
9	SPACE		A		SPACE	10
11	SPACE		B		SPACE	12
13	SPACE		A		SPACE	14
15	SPACE		B		SPACE	16
17	SPACE		A		SPACE	18
19	SPACE		B		SPACE	20
21	SPACE		A		SPACE	22
23	SPACE		B		SPACE	24
25	SPACE		A		SPACE	26
27	SPACE		B		SPACE	28
29	SPACE		A		SPACE	30

1. UTILITY POINTS OF SERVICE AND WORK / MATERIALS SHOWN ARE BASED UPON PRELIMINARY INFORMATION PROVIDED BY THE UTILITY COMPANIES AND ARE FOR BID PURPOSES ONLY.
2. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY FOR FINAL AND EXACT WORK / MATERIALS REQUIREMENTS AND CONSTRUCT TO UTILITY COMPANY ENGINEERING PLANS AND SPECIFICATIONS ONLY. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, PULL ROPES, CABLES, PULL BOXES, CONCRETE PADS, PLACEMENT OF CONDUIT (IF REQUIRED), TRANSFORMER PAD, BARRIERS, POLE RISERS, TRENCHING, BACKFILL, PAY ALL UTILITY COMPANY FEES AND INCLUDE ALL REQUIREMENTS IN SCOPE OF WORK.

3 PANEL SCHEDULE



2 ELECTRICAL ONE-LINE DIAGRAM

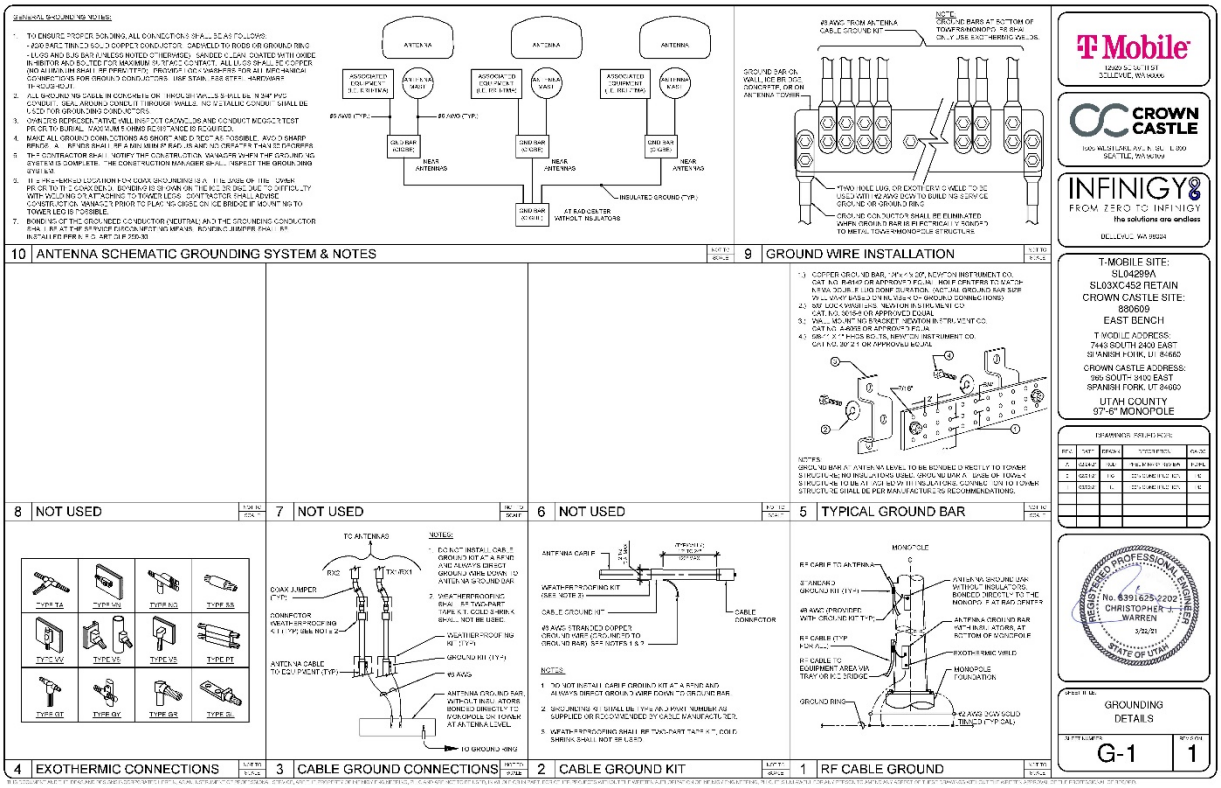
1 NOT USED

T-Mobile
12920 SE 38TH ST
BELLEVUE, WA 98006
CROWN CASTLE
1505 WESTLAKE AVE N, SUITE 800
SEATTLE, WA 98109
INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
BELLEVUE, WA 98004
T-MOBILE SITE:
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SL03XC452 RETAIN
CROWN CASTLE SITE:
880609
EAST BENCH
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SPANISH FORK, UT 84660
CROWN CASTLE ADDRESS:
965 SOUTH 3400 EAST
SPANISH FORK, UT 84660
UTAH COUNTY
97'-6" MONOPOLE

DRAWINGS ISSUED FOR:

REGISTERED PROFESSIONAL ENGINEER No. 8391625-2202 CHRISTOPHER J. WARREN 3/22/21 STATE OF UTAH

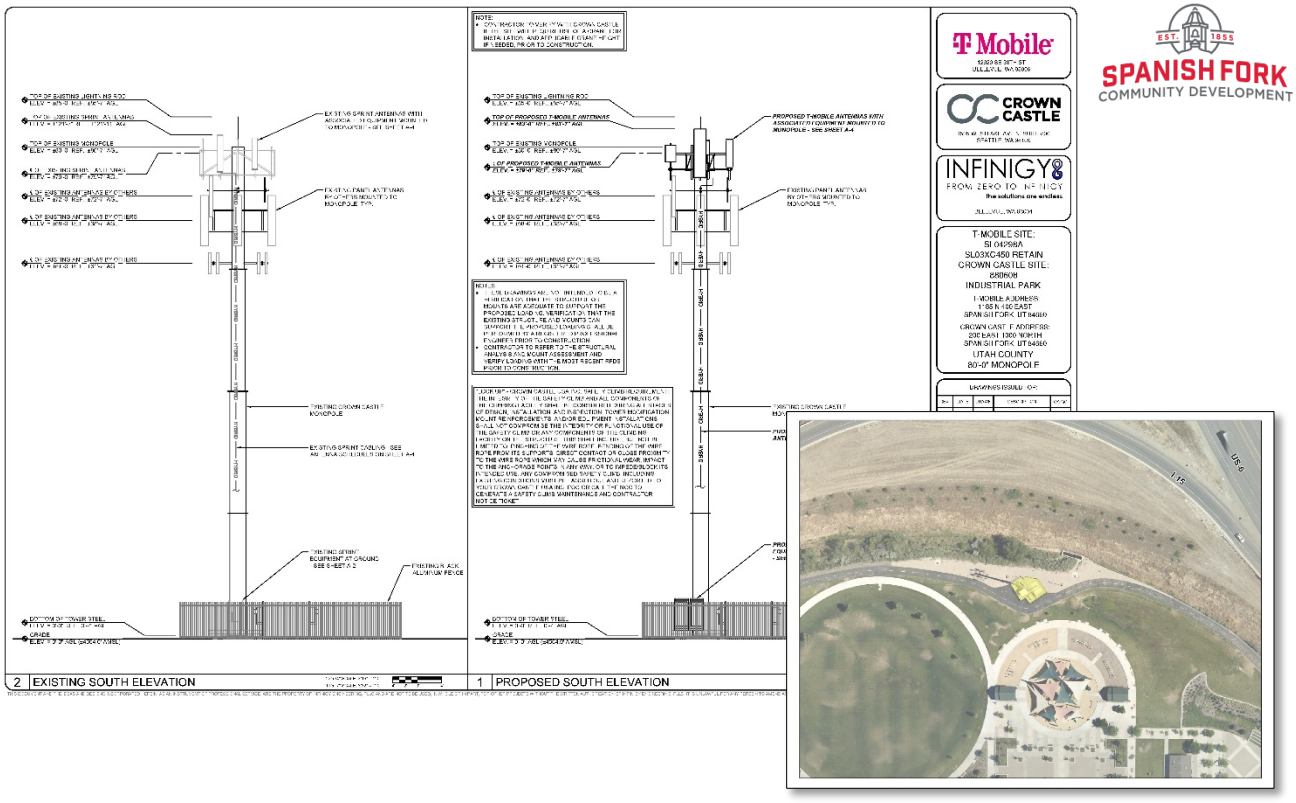
SHEET TITLE: ONE-LINE DIAGRAM & PANEL SCHEDULE
SHEET NUMBER: E-1
REVISION: 1


ANTENNA SCHEMATIC GROUNDING SYSTEM & NOTES
GROUND WIRE INSTALLATION
NOT USED
NOT USED
NOT USED
TYPICAL GROUND BAR
EXOTHERMIC CONNECTIONS
CABLE GROUND CONNECTIONS
CABLE GROUND KIT
RF CABLE GROUND
T-Mobile
CROWN CASTLE
INFINIGY
T-MOBILE SITE:
SL04299A
SL03XC452 RETAIN
CROWN CASTLE SITE:
880609
EAST BENCH
T-MOBILE ADDRESS:
7443 SOUTH 2400 EAST
SPANISH FORK, UT 84660
CROWN CASTLE ADDRESS:
995 SOUTH 3400 EAST
SPANISH FORK, UT 84660
UTAH COUNTY
97'-6" MONOPOLE
GROUNDING DETAILS
G-1
1









300 East Cell Tower Modification Conditional Use Permit Request

May 26, 2021, Development Review Committee.

Located at 1296 North 300 East.

The subject property is zoned P-F.

The applicant has requested that a conditional use permit be approved.

Key Issues

1. No Issues

Recommendation

That the proposed Conditional Use Permit be recommended for approval based on the following findings and subject to the following conditions:

Findings

1. That the project conforms to the City's General Plan Designation and Zoning Map.

Conditions

1. That the applicant meets the City's Zoning requirements and Construction Standards.
2. That the applicant addresses any red-lines.

Exhibits

1. Plans.
2. Site Photos.

T-Mobile

T-MOBILE SITE NUMBER: SL04298A
T-MOBILE SITE NAME: SL03XC450 RETAIN
SITE TYPE: MONOPOLE
TOWER HEIGHT: 80'-0"

CROWN CASTLE BU #: 880608
SITE ADDRESS:
T-MOBILE ADDRESS: 1185 N 400 EAST SPANISH FORK, UT 84660
CROWN CASTLE ADDRESS: 200 EAST 1000 NORTH SPANISH FORK, UT 84660

COUNTY: UTAH
JURISDICTION: CITY OF SPANISH FORK
LAT: 40° 7' 34.90" N 40.12636111°
LONG: 111° 38' 56.50" W -111.64902780°

T-MOBILE PROJECT: SPRINT RETAIN
SL04298A_SL03XC450 Retain - CCI_Sprint Retain_FCD_Coal Creek_04.13.21

SITE INFORMATION

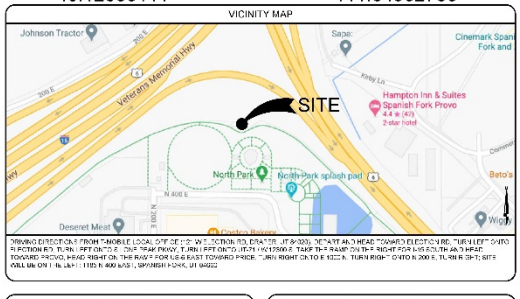
PROPERTY INFORMATION:	
T-MOBILE SITE ADDRESS:	1185 N 400 EAST SPANISH FORK, UT 84660
CROWN CASTLE SITE ADDRESS:	200 EAST 1000 NORTH SPANISH FORK, UT 84660
COUNTY:	UTAH
LAT/LONG (NAD83):	40° 7' 34.90" N (40.12636111°) 111° 38' 56.50" W (-111.64902780°)
GROUND ELEVATION (NAVD88):	4653.4' AMSL
JURISDICTION:	CITY OF SPANISH FORK
APN:	46-274-0011
ZONING:	PF - PUBLIC FACILITIES
OCCUPANCY CLASSIFICATION:	II
LEGAL DESCRIPTION:	SEE SHEET A-1
CONSTRUCTION:	
AREA OF CONSTRUCTION:	EX. STRUCTURE
TYPE OF CONSTRUCTION:	V-B
PROPOSED USE:	UNMANNED TELECOMMUNICATIONS FACILITY
HANDICAP REQUIREMENTS:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HENCE HANDICAPPED ACCESS NOT REQUIRED.
PROPERTY OWNER:	
COMPANY:	SPANISH FORK CITY
ADDRESS:	1185 N 400 EAST
CITY, STATE, ZIP:	SPANISH FORK, UT 84660
TOWER OPERATOR:	
COMPANY:	CROWN CASTLE USA, INC
ADDRESS:	1505 WESTLAKE AVE N., SUITE 600
CITY, STATE, ZIP:	SEATTLE, WA 98109
APPLICANT:	
COMPANY:	T-MOBILE
ADDRESS:	12920 SE 38TH ST
CITY, STATE, ZIP:	BELLEVUE, WA 98006
REPRESENTATIVE:	CROWN CASTLE USA, INC.
ADDRESS:	1505 WESTLAKE AVE N., SUITE 600
CITY, STATE, ZIP:	SEATTLE, WA 98109
CONTACT:	KELSEY PULALLA
PHONE:	(253) 339-3257
E-MAIL:	kelsey.pulalla@crowncastle.com

SHEET INDEX

SHEET	DESCRIPTION
T-1	TITLE SHEET
T-2	SPECIFICATIONS & NOTES
A-1	OVERALL SITE PLAN
A-2	ENLARGED SITE PLANS
A-3	ANTENNA PLANS & RF SCHEDULES
A-4	EQUIPMENT DETAILS
A-5	EQUIPMENT DETAILS
A-6	EQUIPMENT DETAILS
A-7	EQUIPMENT DETAILS
A-8	EQUIPMENT DETAILS
E-1	GROUNDING DETAILS

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

VICINITY MAP



DRIVING DIRECTIONS FROM T-MOBILE LOCAL OFFICE: HEAD WEST ON 12TH PL TOWARD E 12TH ST, TURN LEFT ONTO E 12TH ST, TURN RIGHT ONTO 124TH AVE SE, TURN LEFT ONTO SE 38TH ST, TURN RIGHT ONTO 116TH AVE SE, CONTINUE TO FOLLOW SE 38TH ST, TURN RIGHT ONTO 112TH AVE SE, TURN LEFT ONTO SE 34TH ST, TURN RIGHT ONTO I-405 N, TAKE EXIT 4 FOR WA-167 N TOWARD RENTON/AUBURN, KEEP RIGHT AT THE FORK TO CONTINUE ON WA-167 N, USE THE LEFT 2 LANES TO TURN SLIGHTLY LEFT ONTO WA-167 N, TAKE EXIT 2 FOR WA-18 E TOWARD ISSAQUAH/SNOQUALMIE, MERGE ONTO WA-18 E, TAKE EXIT 30 FOR I-90 E TOWARD SPOKANE, KEEP LEFT AT THE FORK TO CONTINUE ON I-90 E, TAKE EXIT 256 FOR UT-6 E TOWARD SPANISH FORK/PROVO, CONTINUE ON UT-6 E, TAKE EXIT 260 FOR UT-51 N TOWARD SPANISH FORK, CONTINUE ON UT-51 N, TURN RIGHT ONTO E 400 N, TURN RIGHT ONTO S 200 E, TURN LEFT ONTO E 1200 N, TURN RIGHT ONTO S 300 E, TURN LEFT ONTO E 1185 N 400 EAST, SPANISH FORK, UT 84660

PROJECT TEAM

ARCHITECTURAL & ENGINEERING:	
COMPANY:	RF HIGH ENGINEERING, LLC
CONTACT:	PAUL LANGELOTH
PHONE:	(303) 378-4798
E-MAIL:	pdlangeloth@rfhigh.com
SITE ACQUISITION:	
COMPANY:	CROWN CASTLE USA, INC.
ADDRESS:	1505 WESTLAKE AVE N., SUITE 600
CITY, STATE, ZIP:	SEATTLE, WA 98109
CONTACT:	KELSEY PULALLA
PHONE:	(253) 339-3257
E-MAIL:	kelsey.pulalla@crowncastle.com
CONSTRUCTION MANAGER:	
COMPANY:	CROWN CASTLE USA, INC.
CONTACT:	JEFFREY LEE
PHONE:	(801) 347-5760
E-MAIL:	jeffrey.lee@crowncastle.com

APPROVALS

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS & AUTHORIZE THE SUBCONTRACTOR TO PROCEED WITH CONSTRUCTION AS DESIGNED AND SHOWN. ALL CONSTRUCTION DRAWINGS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING JURISDICTIONS AND ALL CHANGES OR MODIFICATIONS TO BE MAY REQUIRE.

APPROVING:	SIGNATURE	DATE
PROJECT MANAGER		
SITE ACQUISITION		
CONSTRUCTION MANAGER		
RF & OWNER		
RF ENGINEER		
OWNER/OPERATOR MANAGER		
OPS MANAGER		
REGULATORY REVIEW		
PROJECT MANAGER		

PROJECT DESCRIPTION

T-MOBILE PROPOSES TO MODIFY AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY AS FOLLOWS:

TOWER SCOPE OF WORK:
- REMOVE (3) RFS HETTA-R-T ANTENNAS, (3) RFS HF RRUS, (3) SPRINT P1.7BRS, (1) SPRINT PLATFORM MOUNT, & (3) SPRINT HYBR-3 CABLES
- INSTALL (3) VOW 65-18-XDC-E-V2 ANTENNAS, (6) RFS APXRRH4-42-U-NA20 4.4 HCRRUS, & (1) RFS APXHRH-HYBR-3-96B-C-R4 HYBRID CABLE
- INSTALL (3) RADIO 4415 B66A, (3) RADIO 4424 B25, & (3) RADIO 4449 B71+B85
- INSTALL (1) HYBRID CABLE
- GROUNDING SCOPE OF WORK:
- REMOVE SPRINT GROUNDING CABLING: (1) CABLE, MTE
- UPGRADE METER FROM 100A TO 200A
- INSTALL (1) 6160 CABINET & (1) 6160 CABLE TRAY W/ (3) B66 3345, (1) D-ACDC, (1) PSR6600, & (1) NEA4515 B25/B66 RRH CABINET
- INSTALL (1) 2758 ANTENNA, (1) RFS A02L-1(1) FIBER UNIT, (1) PBD-W CABLE, & (2) LETTER - S ARROW T MKT
- INSTALL (1) 288-168-3XA-M-0N-0 (1) GPS KIT, (1) 6160 V2 (6) NEXTG RRU CABINET

DESIGN IS BASED ON CROWN CASTLE APP. DATED 03/30/21, RFDS REV. 10 TITLE VERIFICATION DATED 04/22/21, CCIMF'S #2704819 REV. 0, ADDENDUM, N/A (IF APP.)

PHASE PLANS WERE DEEMED UNNECESSARY FOR THE MODIFICATION OF AN UNMANNED TELECOMMUNICATIONS FACILITY OWNED OR LEASED BY T-MOBILE AND ORGANIZED WITH THE PROPOSED SCOPE OF WORK INCORPORATED IN THESE PLANS BY REVIEW. THESE PLANS ARE NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED & ACCOMPANIED BY A VALID STRUCTURAL STABILITY ANALYSIS FOR THE STRUCTURE AND WOULD PREPARED BY A LICENSED PROFESSIONAL ENGINEER.

CODE COMPLIANCE

ALL WORK SHALL BE PERFORMED AND ALL MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENTLY ADOPTED CODES OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THESE CODES.

1. 20'A INTERNATIONAL BUILDING CODE
2. 20'A INTERNATIONAL MECHANICAL CODE
3. 20'A INTERNATIONAL FIRE CODE
4. 20'A UNIFORM PLUMBING CODE
5. 20'A NATIONAL ELECTRICAL CODE
6. 20'A INTERNATIONAL FUEL GAS CODE
7. TIA/EIA-222-G OR LATEST EDITION
8. ASCE 7-16
9. NFPA 780 - LIGHTNING PROTECTION CODE
10. ANY OTHER NATIONAL OR LOCAL APPLICABLE CODES MOST RECENT EDITION
11. LOCAL AMENDMENTS TO THE ABOVE WHERE APPLICABLE
12. CITY/COUNTY ORDINANCES
13. OSHA SAFETY CODE (NFPA-70)

811 Know what's below. Call before you dig. www.811.com



Sheet Title: TITLE SHEET
Sheet Number: T-1
Revision: 2

T-MOBILE SITE: SL04298A
SL03XC450 RETAIN
CROWN CASTLE SITE: 880608
INDUSTRIAL PARK
T-MOBILE ADDRESS: 1185 N 400 EAST SPANISH FORK, UT 84660
CROWN CASTLE ADDRESS: 200 EAST 1000 NORTH SPANISH FORK, UT 84660
UTAH COUNTY
80'-0" MONOPOLE

DRAWINGS REVISIONS

REV.	DATE	DRAWN	DESCRIPTION	BY
A	02/19/21	MA	PRELIMINARY REVIEW	POPE
1	03/31/21	TVG	ZD ADDED PER RFDS	TG
2	03/31/21	TL	ZD ADDED PER RFDS	TG
3	04/22/21	TL	ZD ADDED PER RFDS	TG
4	5/26/21	DB	ZD CONSTRUCTION	PE

T-Mobile
12920 SE 38TH ST
BELLEVUE, WA 98006

CROWN CASTLE
1505 WESTLAKE AVE N. SUITE 600
SEATTLE, WA 98109

INFINIGY
FROM ZERO TO INFINITY
the solutions are endless
BELLEVUE, WA 98004

A. GENERAL

1. ALL PAINT PRODUCT LINES SHALL BE SHERWIN WILLIAMS UNLESS SPECIFICALLY NOTED OTHERWISE BY T-MOBILE.
2. COORDINATION OF ALL PAINTING OF SURFACES AND APPLICATION SHALL BE IN STRICT CONFORMANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS REGARDING SURFACE PREPARATION, MINIMUM AND MAXIMUM APPLICATION TEMPERATURES, AND RECOMMENDED DRYING TIMES BEFORE RECOATING.
4. FINISH COLORS AND TEXTURES OF ALL PAINTED SURFACES SHALL MATCH EXISTING ADJACENT SURFACES UNLESS OTHERWISE NOTED BY T-MOBILE.
5. ALL PAINT MATERIAL DATA SHEETS SHALL BE PROVIDED TO T-MOBILE CONSTRUCTION MANAGER.
6. PREPARE PREVIOUSLY PAINTED SURFACES BY LIGHT SANDING WITH 100 GRIT SANDPAPER AND NON-VOC DEGREASER WHERE PREPARE GALVANIZED SURFACES BY ACETONE FOR SOLVENT CLEANING IN ACCORDANCE WITH SSPC-SP1.
7. FINISH ALL EXPOSED CONDUIT, SUPPORTS, MARKING AND OTHER MISCELLANEOUS ITEMS WITH PRIMER, SPRAY OR BRUSH COAT FROM DAMAGING ADJACENT SURFACES AND MOUNTING.
8. APPLY PAINT BY AIRLESS SPRAY, SAND AS LIGHTLY BETWEEN EACH SUCCEEDING ENAMEL COAT ON FLAT SURFACES. APPLY PAINTING TO ACHIEVE A COATING NO THINNER THAN THE DRY FILM THICKNESS INDICATED.
9. APPLY 2 COATS FILLER TO CONCRETE BLOCK CONSTRUCTION AND ENSURE COMPLETE COVERAGE WITH NO PINHOLES OR LIGHT FILM.
10. COVERAGE SHALL CONCEAL MILNS, BASE MISES AND OTHER DEFECTS. ROLLING IMPERVIOUS & SURFACES AS DIRECTED BY T-MOBILE CONSTRUCTION MANAGER. REPAINT AS NECESSARY TO ACHIEVE SURFACES THAT ARE SMOOTH, EVENLY COATED WITHOUT ROPE BARS, AND FREE FROM RUNNING.
11. PAINTING SCOPE
12. PAINT THE FOLLOWING MATERIALS AND SYSTEMS UNLESS SPECIFICALLY NOTED OTHERWISE IN THE COATING SYSTEM SCHEDULE:

SURFACE TO BE PAINTED	COATING SYSTEM	PAINT	DO NOT PAINT	NA
STEEL ANTENNA MOUNTS				X
EQUIPMENT & SUPPORTS OTHER THAN THOSE NOT PAINTED				X
ANTENNAS, COVERS, ELECTRICAL BRACKETS, MOUNTING BRACKETS AND ASSOCIATED HARDWARE. PAINT ONLY IF COVERS EXPOSED TO VIEW				
GROUND BUSSES, CONDUIT AND HANGERS, ETC.				
TRANSMISSION LINES, OPTICAL FIBER AND OTHER DETAIL SURFACES				X
STUCCO, CONCRETE, CONCRETE BLOCK AND CEMENTITIOUS TYPE FINISHED SYSTEMS				X
PLYWOOD, PLYWOOD AND WOOD TRIM INCLUDING THE BACK SIDE OF ALL SURFACES				X
DRYWALL				X
CONCRETE PADS				X
METAL POLES AND METAL POLE SIGNAGE				X

B. COORDINATE SYSTEM SPECIFICATIONS

1. TRIM ACRYLIC COATING SERIES 895 BY SHERWIN WILLIAMS CO. INC. TYPE PER COAT APPLIED, NOMINAL DOATS OVER DTM ACRYLIC PRIMER (BASE).
2. 100% ACRYLIC LATEX COATING EQUIVALENT TO A100 (SERIES A82) BY SHERWIN WILLIAMS CO. 1 MIL DFT PER COAT APPLIED IN TWO COATS OVER SPECIFIED PRIMER.

D. PAINT & PRIMER

ANTENNAS
PRIMER - KEM AQUA ETI-W825
TOPCOAT - COROTHANE II B65W00280/W0200

EYE CABINS
PRIMER - KEM AQUA 931 W925
TOPCOAT - COROTHANE II B65W00280/W0220

DOWN & JUMPER CABLES
PRIMER - AS REQUIRED FOR ADHESION APPLY ONE COAT OF PAINT
NOA WATER BASED PRIMER 30W925
REDUCED 25%
TOPCOAT - 2 COATS COROTHANE I POLYURETHANE B65W00280W2

RAN STEEL
PRIMER - KEM ROVE HS 800AHE DRY ACRYLIC PRIMER
TOPCOAT - 2 COATS COROTHANE I POLYURETHANE B65W00280W2

RAN WAVEGUIDE PORTAL
ADD ITEM WITH COMMERCIAL ETCH OR VARIOUS PRIMER COAT AND
FINISH COAT (MAY BE HIGH SOLIDS OR DRY FILM MIL OF 4MILS)

STAINLESS STEEL
PRIMER - DTM WASH PRIMER, B71W
TOPCOAT - 2 COATS COROTHANE I POLYURETHANE B65W00280W2

PRE-PRIMED STEEL
TOUCH UP ANY RUST OR UN-PRIMED STEEL WITH KEM RON THIS
B50W74

ALUMINUM & COPPER
PRIMER - DTM WASH PRIMER, B71W
TOPCOAT - 2 COATS COROTHANE I POLYURETHANE B65W00280W2

CONCRETE MASONRY
PRIMER - PRO MASONRY EXTERIOR BLOCK FILLER
TOPCOAT - 2 COATS ACRYLATEX HOUSE & TRIM SHEEN TO MATCH

CONCRETE SLOPE/CONCRETE WALL
2 COATS ACRYLATEX HOUSE & TRIM SHEEN TO MATCH

STUCCO
PRIMER - PRO MAR MASONRY CONDITIONER B45W01000
TOPCOAT - SUPERHIDE A100 SERIES A82 SATIN ALKYD GLOSS

WOOD
PRIMER - A-100 EXTERIOR ALKYD WOOD PRIMER W-WE Y49W00
TOPCOAT - 2 COATS A100 LATEX HOUSE & TRIM SHEEN TO MATCH ADJACENT SURFACES

1. THE LATEST EDITION OF THE MANUFACTURER'S OR ARCHITECTS DOCUMENT AGENT VERIFYING CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE INCLUDED IN THESE SPECIFICATIONS AS IF COMPLETELY REPRODUCED HEREIN.
2. THIS NON-TYPE SMALL MODIFICATION DOES NOT REQUIRE COMMUNICATIONS SITE ADJUSTMENTS FOR ADA ACCESS REQUIREMENTS.
3. PRIOR TO SUBMISSION OF BIDS, THE CONTRACTORS PARTICIPATING SHALL VISIT THE SITE WITH THE CONSTRUCTION AND CONSTRUCTION DOCUMENTS TO DETERMINE THAT THE PROJECT CAN BE ACCOMPLISHED AS DESIGNED HEREIN, AS WELL AS TO TAKE ALL DIMENSIONS AND FIELD CONDITIONS AFFECTING THE PROPOSED PROJECT INCLUDING DRAINAGE, PORTERAL, MECHANICAL AND STRUCTURAL INSTALLATIONS PRIOR TO PROCEEDING WITH THE CONSTRUCTION. SHOULD ANY SIGNIFICANT OMISSION OR DISCREPANCIES BE FOUND TO EXIST, THE GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY IN WRITING THE T-MOBILE CONSTRUCTION MANAGER AND THE ARCHITECT.
4. IN THE EVENT OF DISCREPANCIES WITHIN THESE DRAWINGS, IN CONFLICT WITH LOCAL INCLUDING THE WORK EXISTING OR WORK TO BE DONE UNLESS SPECIFICALLY DIRECTED OTHERWISE BY T-MOBILE, IT IS A DISCREPANCY OF STATE AND THE PROJECT MANAGER AND ARCHITECT ARE NOT NOTIFIED, THE GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL COSTS INCURRED TO RETAIN OR CORRECT ANY DISCREPANCY RESULT.
5. THESE DRAWINGS SHALL NOT BE SCALED AS THESE DRAWINGS ARE INTENDED TO BE FOR DIAGRAMMATIC REFERENCE ONLY. FOURTH DIMENSIONS HAVE PRECEDENCE OVER DRAWING SCALE AND DETAIL DRAWINGS HAVE PRECEDENCE OVER SMALL SCALE DRAWINGS. GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS PRIOR TO THE COMMENCEMENT OF ANY WORK. DO NOT FABRICATE ANY MATERIALS, OR BEGIN ANY CONSTRUCTION UNTIL THE ACCURACY OF EXISTING DIMENSIONS HAS BEEN VERIFIED AGAINST ACTUAL FIELD DIMENSIONS.
6. THE CONTRACTOR IS WILLING USE IN THE OTHER JOB ALL MATERIALS, EQUIPMENT, FURNISHED AND LABOR NECESSARY TO COMPLETE THE WORK AS INDICATED OR IMPLIED BY THESE DRAWINGS.
7. CONSTRUCTION SHALL NOT BEGIN UNTIL T-MOBILE CONSTRUCTION MANAGER, THE PROPERTY OWNER AND THEIR AGENTS HAVE ALL GIVEN JOINT WRITTEN APPROVAL OF ALL DETAILS ARE COMPLETE, NOT SUBJECT TO CHANGE, AND NOTHING FURTHER IS REQUIRED OF THEM. IF CONSTRUCTION PROCEEDS PRIOR TO THIS APPROVAL, IT WORK IS CONSIDERED AT THE CONTRACTOR'S OWN RISK AND SUBJECT TO REJECTION BY THE T-MOBILE CONSTRUCTION MANAGER AND THE ARCHITECT. ANY CHANGES OR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS, AND IS WILL BE INCLUDED AS PART OF THE WORK.
8. EXISTING DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION. IN THE EVENT THAT CONDITIONS SHOWN ON THE PLANS IN CONTRADICTION SHALL NOTIFY THE T-MOBILE CONSTRUCTION MANAGER AND THE ARCHITECT SO THAT MODIFICATIONS CAN BE MADE BEFORE PROCEEDING WITH THE WORK.
9. THE CONTRACTOR SHALL VERIFY ALL TELEPHONE & RADIO EQUIPMENT LAYOUTS, SPECIFICATIONS, PURCHASING, INSTALLATION AND FINAL CONNECTIONS WITH T-MOBILE CONSTRUCTION MANAGER PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CODING WITH ALL WORK WITH EXISTING RADIO SYSTEMS.
10. ALL SYMBOLS & ABBREVIATIONS USED ON THESE DRAWINGS ARE CONSIDERED CONSTRUCTION STANDARDS. IF THE CONTRACTOR HAS QUESTIONS REGARDING THEIR EXACT MEANING THE CONTRACTOR'S CONSTRUCTION MANAGER AND THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION BEFORE THE CONTRACTOR PROCEEDS WITH THE WORK.
11. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTIONS NECESSARY FOR PERFORMANCE OF THE WORK AND INCLUDE THOSE IN THE COST OF THE WORK TO T-MOBILE.
12. THE GENERAL CONTRACTOR SHALL PROVIDE CONTINUOUS SUPERVISION AND DIRECT ALL WORK PERFORMED BY HIS SUBCONTRACTORS OR VENDORS AND SHALL ENSURE THAT HIS OR HER BEST SKILL AND ATTENTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, SEQUENCES, AND COORDINATION OF ALL PORTIONS OF THE WORK UNLESS OTHERWISE NOTED.
13. WORKMANSHIP TO BE TOUCH-OUT SHALL BE OF THE BEST QUALITY OF THE TRADE INVOLVED, AND SHALL MEET OR EXCEED THE FOLLOWING MINIMUM EXPERIENCE STANDARDS FOR QUALITY AND PROFESSIONAL CONSTRUCTION PRINCIPLES:

NRCA - NATIONAL ROOFING CONTRACTORS ASSOCIATION
O'HARE INTERNATIONAL CENTER
10255 W. HIGGINS ROAD, SUITE 600
ROSEMONT, IL 60018-5607

SMACNA SHEET METAL AND AIR CONDITIONING CONTRACTORS
NATIONAL ASSOCIATION
4201 LAFAYETTE CENTER DRIVE
CHANTILLY, VA 20151-1219

IBP - IN MANY LOCAL, BEST TO BE FOR LOCAL TRADE AND PLASTER SEE RANGE & ROAD
ST. PAUL, MN 55114-1000

14. INSTALL ALL ROOFING AND MATERIALS PER THE LATEST EDITION OF THE MANUFACTURER'S WRITTEN INSTALLATION SPECIFICATIONS UNLESS OTHERWISE INDICATED BY T-MOBILE OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
15. THE CONTRACTOR SHALL VERIFY, COORDINATE AND PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, HANGERS OR OTHER SUPPORTS FOR ALL ITEMS.
16. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL EMPLOY WORKERS SKILLED IN THE VARIOUS TRADES AND SHALL COMPLY WITH ALL APPLICABLE LOCAL CODES AND REGULATIONS, LIENS AND ORDINANCES, AS WELL AS THE STATE DEPARTMENT OF INDUSTRIAL REGULATIONS REGULATIONS. INCLUDING BUT NOT LIMITED TO THE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH (OSHA).
17. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL EMPLOY WORKERS SKILLED IN THE VARIOUS TRADES AND SHALL COMPLY WITH ALL APPLICABLE LOCAL CODES AND REGULATIONS, LIENS AND ORDINANCES, AS WELL AS THE STATE DEPARTMENT OF INDUSTRIAL REGULATIONS REGULATIONS. INCLUDING BUT NOT LIMITED TO THE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH (OSHA).
18. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROTECT AS TO DATE OR CONTACT ANY CONCERNED AGENCY TO LOCATE ALL EXISTING UTILITIES REGARDLESS OF WHETHER OR NOT SHOWN HEREIN. IT IS CONSTRUCTION SHALL BE FULLY RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED IN CONJUNCTION WITH THE EXECUTION OF WORK.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE PROJECT SITE WHILE WORK IS IN PROGRESS AND UNTIL THE JOB IS COMPLETED AND ACCEPTED BY T-MOBILE.
20. THE CONTRACTOR SHALL PROVIDE TEMPORARY WATER POWER AND TOILET FACILITIES AS REQUIRED BY THE PROPERTY OWNER, T-MOBILE OR THE LOCAL CITY OR GOVERNING AGENCY.
21. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REPAIRING THE CONSTRUCTION DOCUMENTS TO ILLUSTRATE THE ASBUILT CONDITION OF THE SITE. THIS SHALL BE DONE AFTER THE SITE HAS BEEN ACCEPTED FINAL INSPECTION BY THE RESPONSIBLE BUILDING AGENCY OR THE OWNER/MANAGER. THIS SHALL BE PROVIDED TO THE T-MOBILE CONSTRUCTION MANAGER.
22. THE LATEST EDITION OF ALL PERMITTING AND APPROVED PLANS PERTAINING TO THIS PROJECT SHALL BE KEPT IN A CLEAN BOX AND SHALL NOT BE USED BY WORKERS. ALL CONSTRUCTION SETS SHALL REFLECT THE SAME INFORMATION. THE CONTRACTOR SHALL ALSO MAINTAIN IN GOOD CONDITION, ONE COMPLETE SET OF PLANS WITH ALL MANDATORY MARKINGS ON THEM ON THE JOB SITE, AVAILABLE TO ALL UNDER THE CARE OF THE CONSTRUCTION.
23. THE CONTRACTOR SHALL REMOVE ALL RUBBISH AND WASTE MATERIALS ON A DAILY BASIS, OR MORE OFTEN AS SPECIFIED BY THE PROPERTY OWNER AND SHALL ENFORCE STRICT CONTROL OVER SITE CLEANING THROUGHOUT CONSTRUCTION AS PART OF FINAL CLEAN-UP UPON COMPLETION OF WORK. ALL AREAS ARE TO BE LEFT IN A BROOM CLEAN CONDITION AT THE END OF EACH DAY THAT A MOBILE CRANE OPERATION. WHILE HOIST PART LOADS, AND DEBRIS OR ANY NATURE AT COMPLETION OF WORK.
24. THE GENERAL CONTRACTOR MUST PERFORM WORK DURING PROPERTY OWNER'S BUSINESS HOURS TO AVOID DISRUPTION TO NORMAL ACTIVITY.
25. ALL EXPOSED METAL SHALL BE HOT-DIPPED GALVANIZED.
26. SEAL ALL PENETRATIONS THROUGH FIRE-RATED AREAS WITH UL LISTED OR FIRE MARSHALL APPROVED MATERIALS IN ANY WHERE APPLICABLE TO THE ABILITY AND PROJECT SITE.
27. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2A-10B-C WITH NOT LESS THAN 3 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROPERTY AND LOCAL OPEN CONSTRUCTION.
28. ELECTRICAL POWER SYSTEM SHALL BE GROUNDED PER NFPA ARTICLES 250 AND 810.
29. ALL NEW OPENINGS IN THE EXTERIOR ENVELOPE OF CONDITIONED SPACES SUCH AS FOR CONDUIT AND ROOF PENETRATIONS SHALL BE CAULKED OR SEALED TO LIMIT INFILTRATION OF AIR AND MOISTURE.
30. UPON COMPLETION OF CONSTRUCTION, T-MOBILE CONSTRUCTION MANAGER SHALL CONDUCT A WALK-THROUGH WITH PROPERTY OWNER OR REPRESENTATIVE OF PROPERTY OWNER.
31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SYSTEMS FOR PAINTING IN CLEAN WORKING CONDITION UNTIL ACCEPTANCE OF THE PROJECT BY T-MOBILE.
32. INSTALL ALL EQUIPMENT AND MATERIALS PER THE LATEST EDITION OF THE MANUFACTURER'S INSTALLATION SPECIFICATIONS, UNLESS SPECIFICALLY OTHERWISE INDICATED, OR WHERE LOCAL CODES OR REGULATION TAKE PRECEDENCE.

2 PAINT SPECIFICATIONS

1 GENERAL SPECIFICATIONS

CROWN CASTLE
1505 WESTLAKE AVE N. SUITE 600
SEATTLE, WA 98109

INFINIGY
FROM ZERO TO INFINITY
the solutions are endless
BELLEVUE, WA 98004

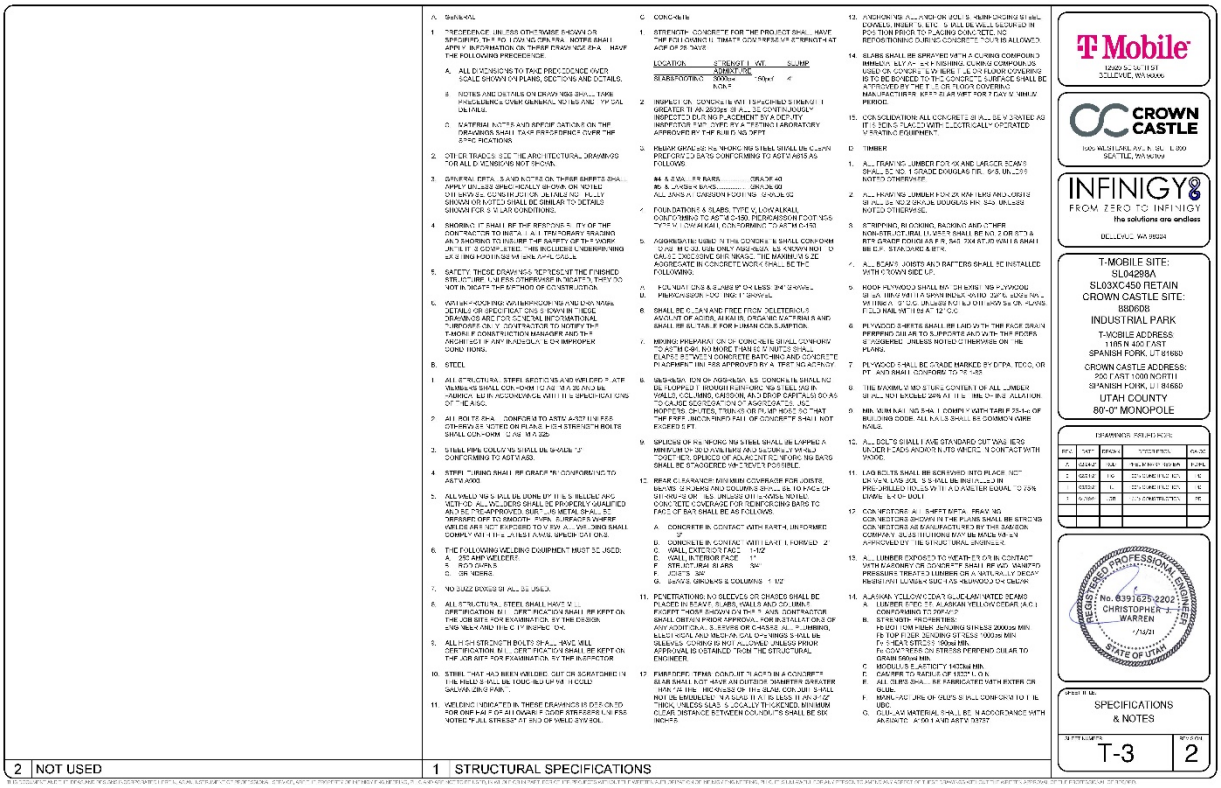
T-MOBILE SITE: SL04298A
SL03XC450 RETAIN
CROWN CASTLE SITE: 880608
INDUSTRIAL PARK
T-MOBILE ADDRESS: 1185 N 400 EAST SPANISH FORK, UT 84660
CROWN CASTLE ADDRESS: 200 EAST 1000 NORTH SPANISH FORK, UT 84660
UTAH COUNTY
80'-0" MONOPOLE

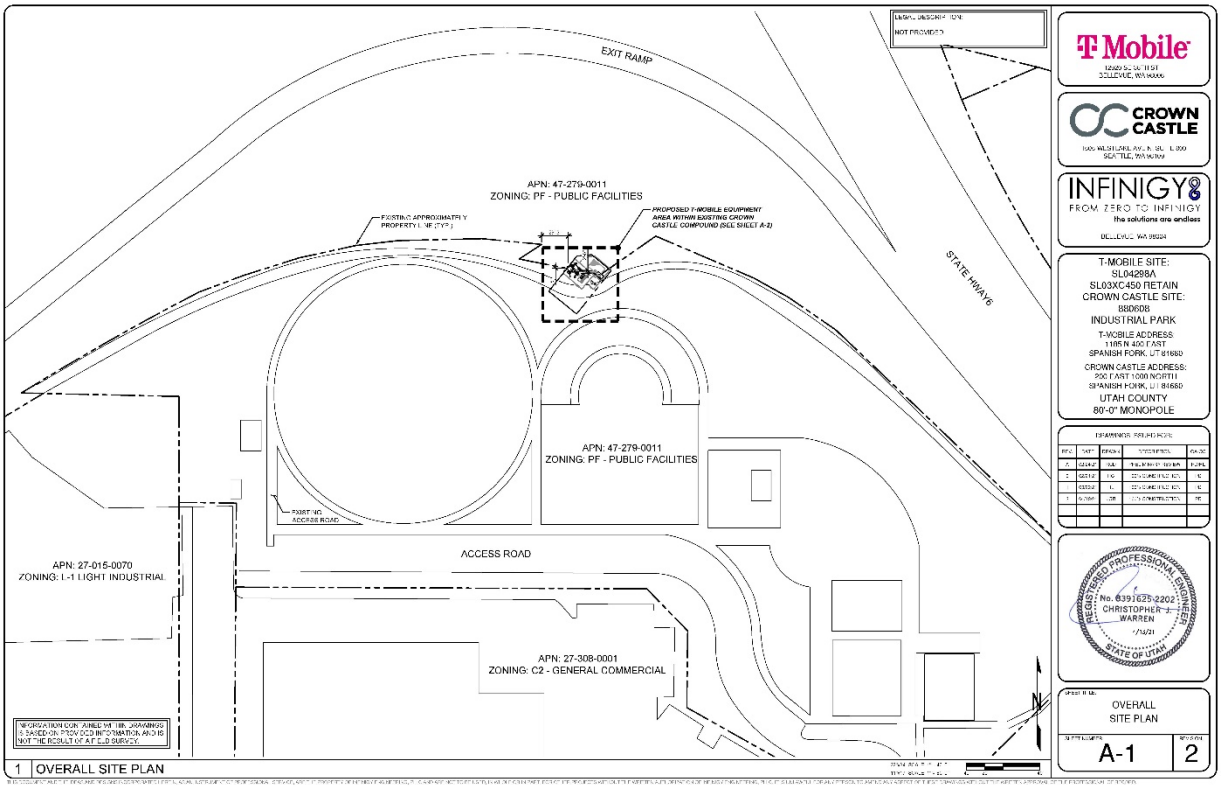
DRAWINGS REVISIONS

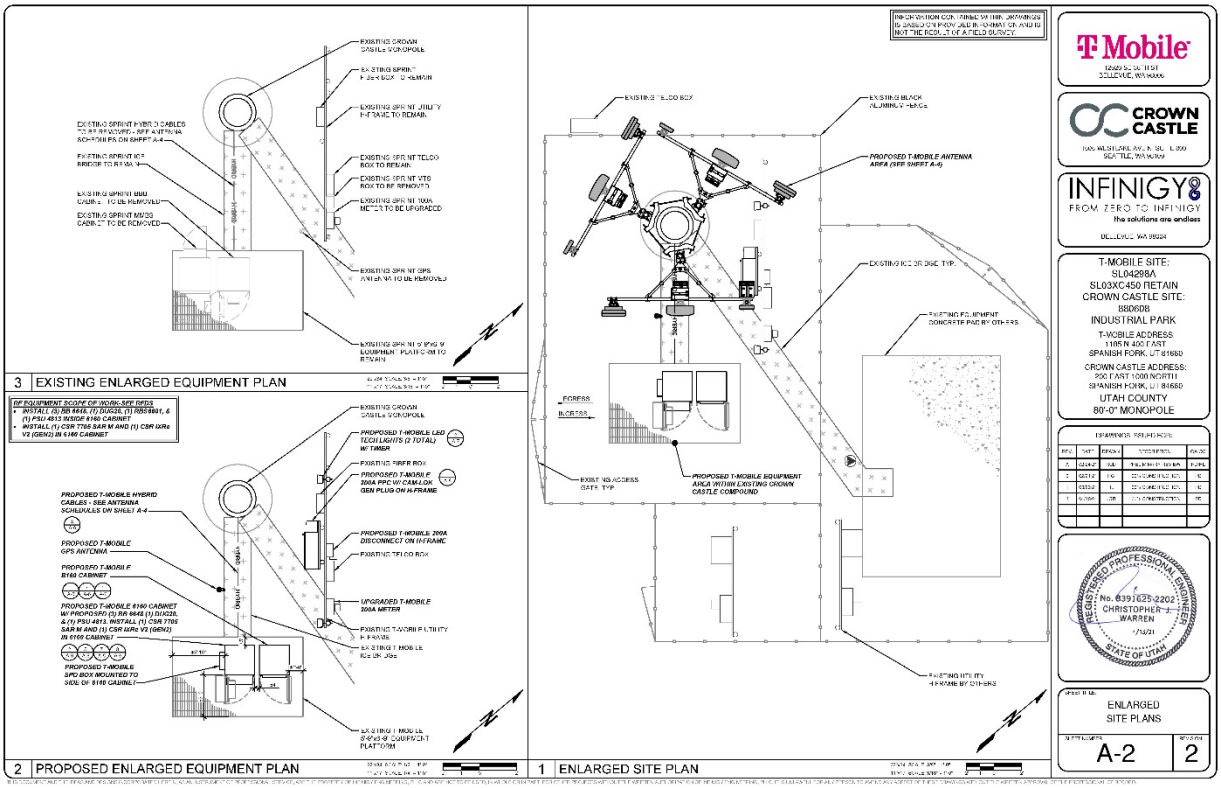
REV.	DATE	DRAWN	DESCRIPTION	BY
A	02/19/21	MA	PRELIMINARY REVIEW	POPE
1	03/31/21	TVG	ZD ADDED PER RFDS	TG
2	03/31/21	TL	ZD ADDED PER RFDS	TG
3	04/22/21	TL	ZD ADDED PER RFDS	TG
4	5/26/21	DB	ZD CONSTRUCTION	PE

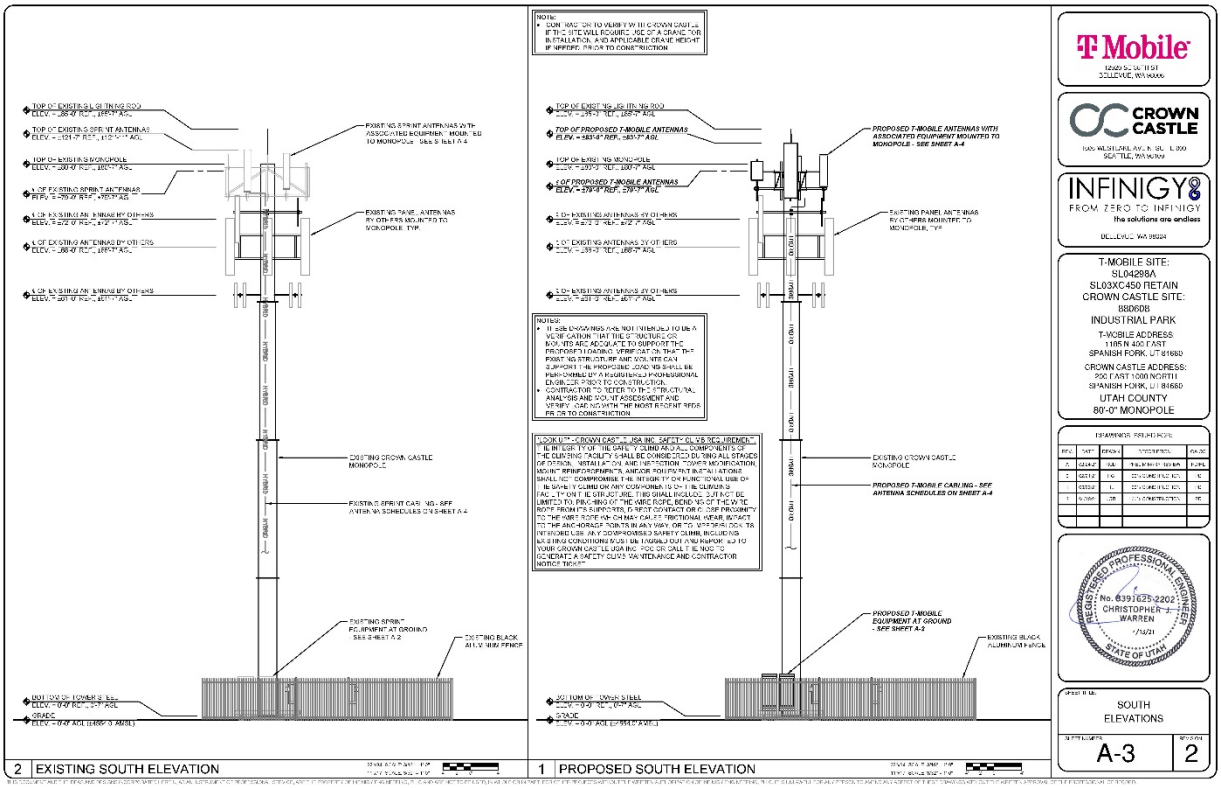


Sheet Title: SPECIFICATIONS & NOTES
Sheet Number: T-2
Revision: 2


T-Mobile
12909 SE 38TH ST
BELLEVUE, WA 98006
CROWN CASTLE
1505 WESTLAKE AVE N, STE 1200
SEATTLE, WA 98109
INFINIGY
FROM ZERO TO INFINITY
the solutions are endless
BELLEVUE, WA 98004
T-MOBILE SITE:
SL04298A
SL03XC450 RETAIN
CROWN CASTLE SITE:
880608
INDUSTRIAL PARK
T-MOBILE ADDRESS:
1185 N 400 EAST
SPANISH FORK, UT 84660
CROWN CASTLE ADDRESS:
200 EAST 1000 NORTH
SPANISH FORK, UT 84660
UTAH COUNTY
80'-0" MONOPOLE
DRAWINGS REVISIONS
REV DATE DRAWN DESCRIPTION BY
A 02.19.21 MA PRELIMINARY REVIEW PCPL
1 03.01.21 TG ZD COMMENTS RD
2 03.03.21 TL ZD COMMENTS RD
3 04.19.21 DB CITY CORRECTIONS RE
REGISTERED PROFESSIONAL ENGINEER
No. 8391625-2202
CHRISTOPHER J. WARREN
7/13/21
STATE OF UTAH
SHEET TITLE:
SPECIFICATIONS
& NOTES
SHEET NUMBER
T-3
REVISION
2
2 NOT USED
1 STRUCTURAL SPECIFICATIONS


EXIT RAMP
APN: 47-279-0011
ZONING: PF - PUBLIC FACILITIES
EXISTING APPROXIMATELY PROPERTY LINE (TYP.)
PROPOSED T-MOBILE EQUIPMENT AREA WITHIN EXISTING CROWN CASTLE COMPOUND (SEE SHEET A-2)
STATE HWY 6
APN: 47-279-0011
ZONING: PF - PUBLIC FACILITIES
EXISTING ADDRESS ROAD
ACCESS ROAD
APN: 27-015-0070
ZONING: I-1 LIGHT INDUSTRIAL
APN: 27-308-0001
ZONING: C2 - GENERAL COMMERCIAL
INFORMATION CONTAINED WITHIN DRAWINGS IS BASED ON PROVIDED INFORMATION AND IS NOT THE RESULT OF AN FIELD SURVEY.
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REGISTERED PROFESSIONAL ENGINEER
No. 8391625-2202
CHRISTOPHER J. WARREN
7/13/21
STATE OF UTAH
SHEET TITLE:
OVERALL
SITE PLAN
SHEET NUMBER
A-1
REVISION
2
1 OVERALL SITE PLAN


3 EXISTING ENLARGED EQUIPMENT PLAN
2 PROPOSED ENLARGED EQUIPMENT PLAN
1 ENLARGED SITE PLAN
T-Mobile
CROWN CASTLE
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SPANISH FORK, UT 84660
UTAH COUNTY
80'-0" MONOPOLE
ENLARGED SITE PLANS
A-2
2


2 EXISTING SOUTH ELEVATION
1 PROPOSED SOUTH ELEVATION
T-Mobile
CROWN CASTLE
INFINIGY
T-MOBILE SITE:
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UTAH COUNTY
80'-0" MONOPOLE
SOUTH ELEVATIONS
A-3
2

EXISTING ANTENNA / CABLE SCHEDULE

MOUNT SECTOR	MOUNT POSITION	RRES POSITION	RAD CENTER	ANTENNA MODEL	ANTENNA SIZE	ANTENNA AZIMUTH	ANTENNA M.E.T.	RRH QTY	RRH MODEL	TMA/COMBINER/DIPLEXER QTY	TMA/COMBINER/DIPLEXER MODEL	HYBRID CABLE (FOSS) QTY	HYBRID CABLE (FOSS) TYPE	HYBRID CABLE (FOSS) LENGTH	COAX CABLE QTY	COAX CABLE TYPE	COAX CABLE LENGTH
ALPHA	--	--	79'-0"	ETX-2X4X-15-65-5R	8' -0"	0°	--	1	R-RH-B2 (2500)	--	--						
	--	--	79'-0"	APXV18ER18-C	72.0"	0°	--	1	R-RH-B2A (4000, R-RH-B14 (1900))	1	8TE-2.5G (2500 W BE						
BETA	--	--	79'-0"	ETX-2X4X-15-65-5R	8' -0"	120°	--	1	R-RH-B2 (2500)	--	--						
	--	--	79'-0"	APXV18ER18-C	72.0"	120°	--	1	R-RH-B2A (4000, R-RH-B14 (1900))	1	8TE-2.5G (2500 W BE	3	1-7/16"	±139'-0"	--	--	--
GAMMA	--	--	79'-0"	ETX-2X4X-15-65-5R	8' -0"	240°	--	1	R-RH-B2 (2500)	--	--						
	--	--	79'-0"	ETX-75-72-65E-19-5R-RD	75.8"	240°	--	1	R-RH-B2A (4000, R-RH-B14 (1900))	1	8TE-2.5G (2500 W BE						

NOTES

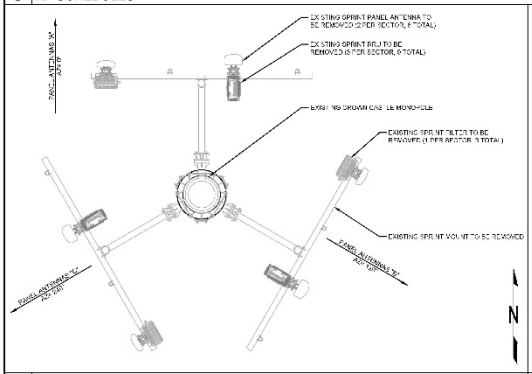
1. CONTRACTOR IS TO REFER TO "MOBILE MOST CURRENT RAD CENTER/RAD DATA SHEET (RFDS)" PRIOR TO CONSTRUCTION.
2. CABLE LENGTH IS APPROX. MAT. CONTRACTOR TO FIELD VERIFY CABLE LENGTHS PRIOR TO ORDERING, FABRICATION, OR INSTALLATION OF CABLES.
3. PROPOSED EQUIPMENT IS INDICATED BY BOLD TEXT.

PROPOSED ANTENNA / CABLE SCHEDULE

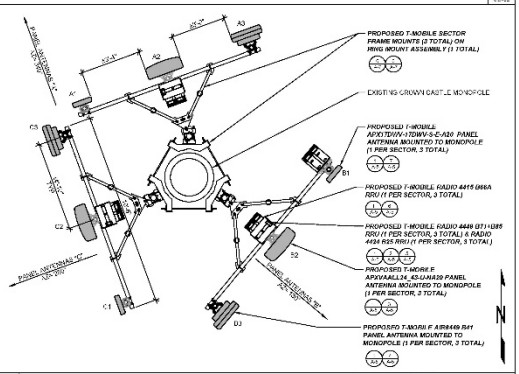
MOUNT SECTOR		RRES POSITION	RAD CENTER	ANTENNA MODEL	ANTENNA SIZE	ANTENNA AZIMUTH	ANTENNA M.E.T.	RRH QTY	RRH MODEL	TMA/COMBINER/DIPLEXER QTY	TMA/COMBINER/DIPLEXER MODEL	HYBRID CABLE (FOSS) QTY	HYBRID CABLE (FOSS) TYPE	HYBRID CABLE (FOSS) LENGTH	COAX CABLE QTY	COAX CABLE TYPE	COAX CABLE LENGTH
ALPHA	A1	--	79'-0"	APX17DWV-17DWV-S-E-A20	72.0"	340°	0°	1	4415 B66A	--	--						
	A2	--	79'-0"	APXVAALL24_43-U-NA20	95.9"	340°	0°	1,1	4424 B25/4449 B71+B85	--	--						
	A3	--	79'-0"	AIR6449 B41	33.1"	340°	0°	--	--	--	--						
BETA	B1	--	79'-0"	APX17DWV-17DWV-S-E-A20	72.0"	130°	-3°	1	4415 B66A	--	--						
	B2	--	79'-0"	APXVAALL24_43-U-NA20	95.9"	130°	-3°	1,1	4424 B25/4449 B71+B85	--	--	3	HCS 6x24 4 AWG (60m)	5120'-0"	--	--	--
	B3	--	79'-0"	AIR6449 B41	33.1"	130°	-3°	--	--	--	--						
GAMMA	C1	--	79'-0"	APX17DWV-17DWV-S-E-A20	72.0"	250°	0°	1	4415 B66A	--	--						
	C2	--	79'-0"	APXVAALL24_43-U-NA20	95.9"	250°	0°	1,1	4424 B25/4449 B71+B85	--	--						
	C3	--	79'-0"	AIR6449 B41	33.1"	250°	0°	--	--	--	--						

NOTE: MOBILE SECTORS ARE CLOCKWISE
RRES POSITIONS ARE THE ANTENNA POSITIONS LISTED IN THE RFDS, AND MAY DIFFER FROM THE ORDER IN WHICH EXISTING ANTENNAS ARE INSTALLED. THE METHOD FOR WHAT ORDER ANTENNAS ARE LISTED IN THE RFDS VARIES DEPENDING ON THE MARKET.

3 RF SCHEDULES



2 EXISTING ANTENNA PLAN



1 PROPOSED ANTENNA PLAN

T-Mobile
12920 SE 38TH ST
BELLEVUE, WA 98006

CROWN CASTLE
1500 WILLS FARGO PL, STE. 1200
SEATTLE, WA 98104

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
BELLEVUE, WA 98004

T-MOBILE SITE:
SL04298A
SL03XC450 RETAIN
CROWN CASTLE SITE:
880608
INDUSTRIAL PARK
T-MOBILE ADDRESS:
1185 N 400 EAST
SPANISH FORK, UT 84660
CROWN CASTLE ADDRESS:
950 EAST 1000 NORTH
SPANISH FORK, UT 84660
UTAH COUNTY
80'-0" MONOPOLE

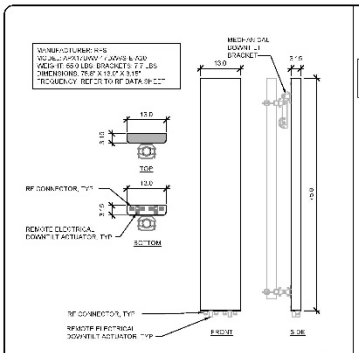
DRAWINGS REVISIONS

REV	DATE	DRAWN	DESCRIPTION	PAGE
A	02/19/21	MA	PRELIMINARY REVIEW	ALL
1	03/12/21	TG	REVISIONS PER RFDS	1
2	05/26/21	TL	REVISIONS PER RFDS	1
1	5/26/21	DB	CITY CORRECTIONS	1

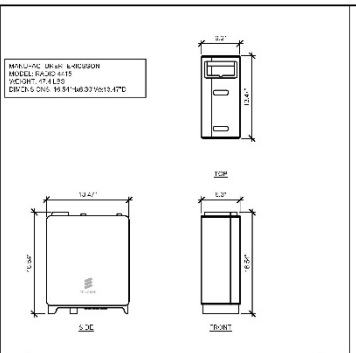
REGISTERED PROFESSIONAL ENGINEER
No. 6391625-2202
CHRISTOPHER J. WARREN
7/14/21
STATE OF UTAH

SHEET TITLE:
ANTENNA PLANS & RF SCHEDULES

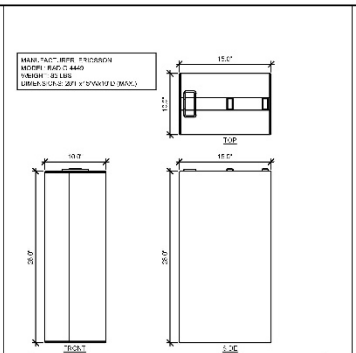
SHEET NUMBER: A-4
REVISION: 2



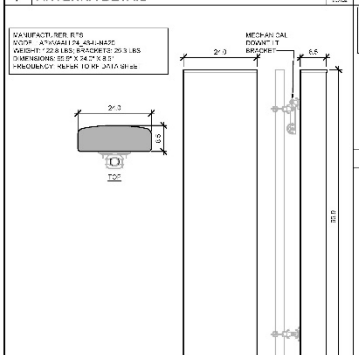
7 ANTENNA DETAIL



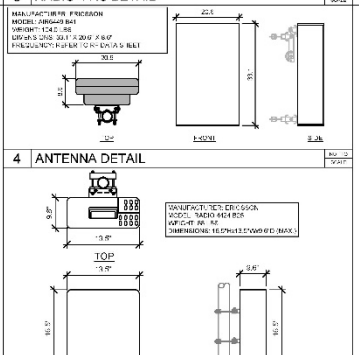
6 RADIO 4415 DETAIL



5 RADIO 4449 DETAIL

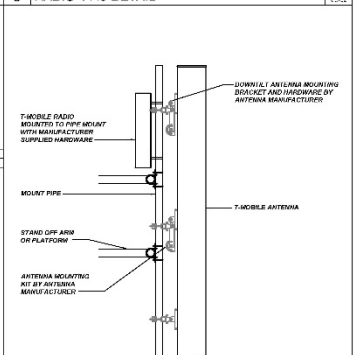


3 ANTENNA DETAIL



4 ANTENNA DETAIL

2 RADIO 4425 DETAIL



NOTE: ROTATE FRAME OF MOUNT TO MATCH DEGREES...INE WHERE APPLICABLE.

1 MOUNTING DETAIL

T-Mobile
12920 SE 38TH ST
BELLEVUE, WA 98006

CROWN CASTLE
1500 WILLS FARGO PL, STE. 1200
SEATTLE, WA 98104

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FROM ZERO TO INFINIGY
the solutions are endless
BELLEVUE, WA 98004

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SL03XC450 RETAIN
CROWN CASTLE SITE:
880608
INDUSTRIAL PARK
T-MOBILE ADDRESS:
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SPANISH FORK, UT 84660
CROWN CASTLE ADDRESS:
950 EAST 1000 NORTH
SPANISH FORK, UT 84660
UTAH COUNTY
80'-0" MONOPOLE

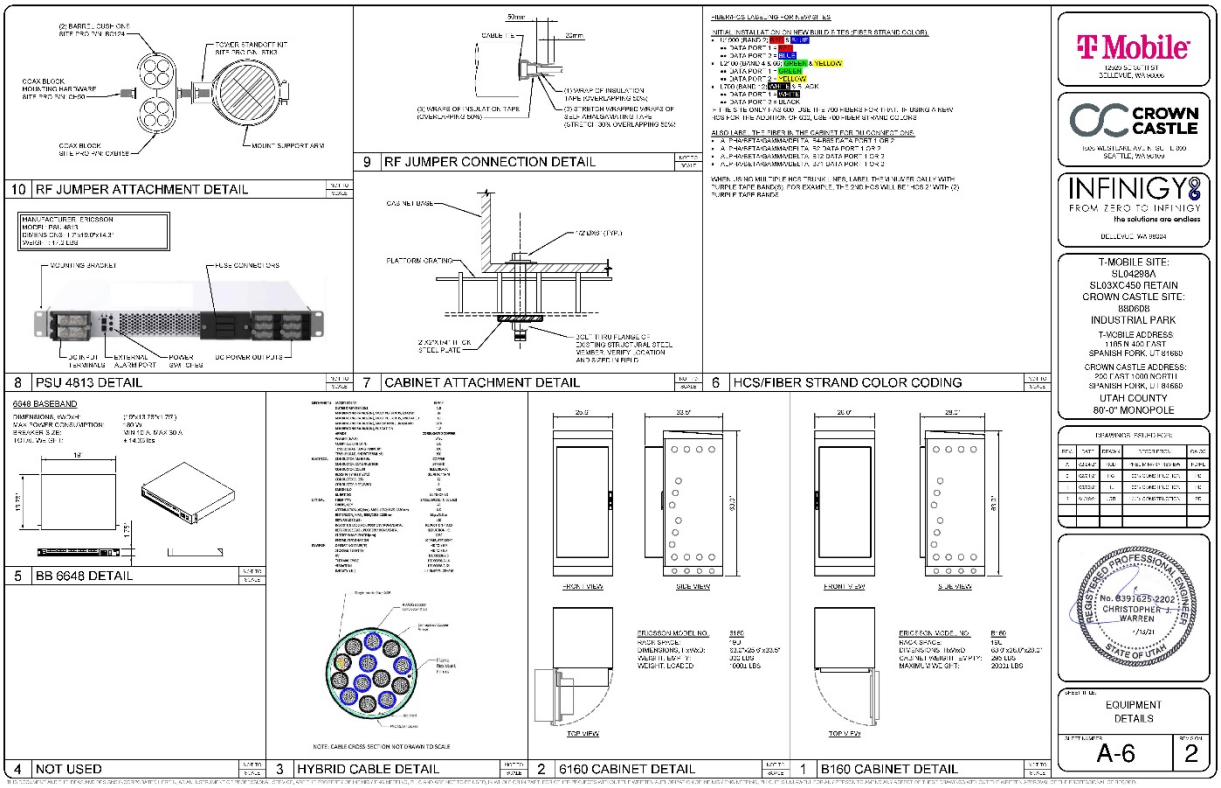
DRAWINGS REVISIONS

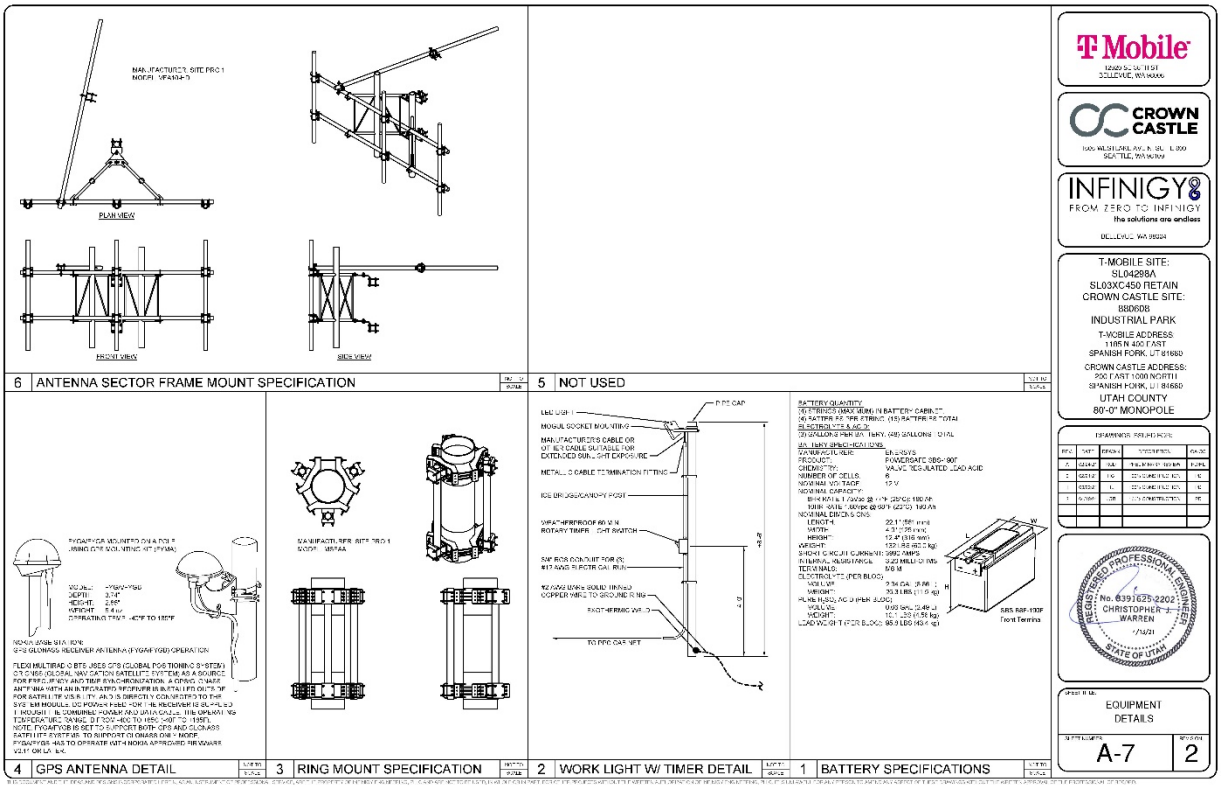
REV	DATE	DRAWN	DESCRIPTION	PAGE
A	02/19/21	MA	PRELIMINARY REVIEW	ALL
1	03/12/21	TG	REVISIONS PER RFDS	1
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1	5/26/21	DB	CITY CORRECTIONS	1

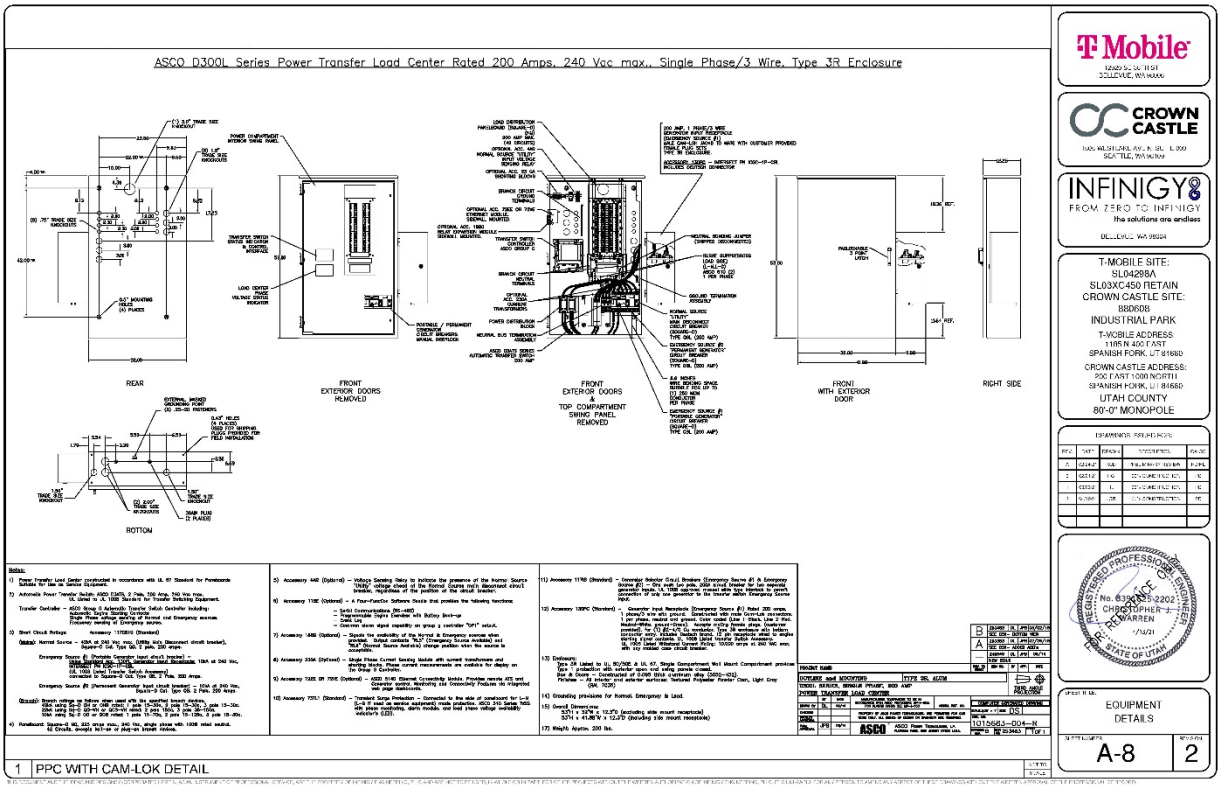
REGISTERED PROFESSIONAL ENGINEER
No. 6391625-2202
CHRISTOPHER J. WARREN
7/14/21
STATE OF UTAH

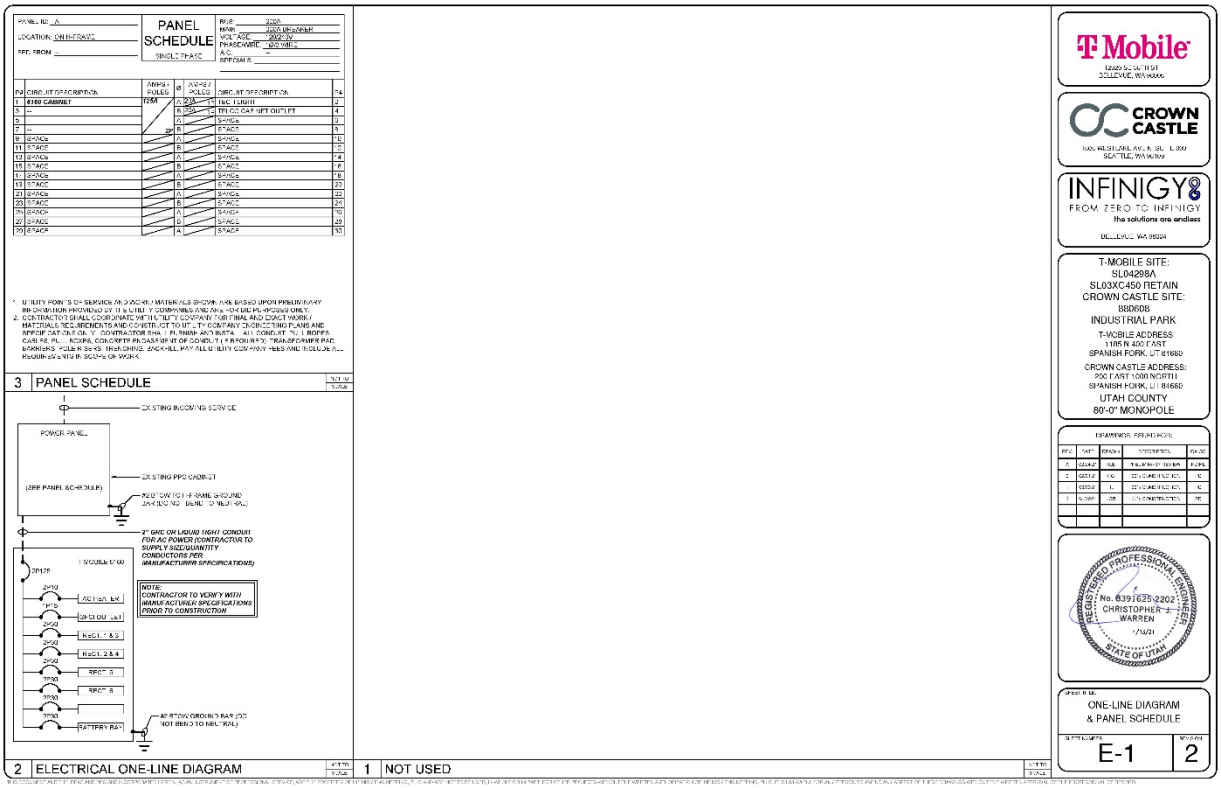
SHEET TITLE:
EQUIPMENT DETAILS

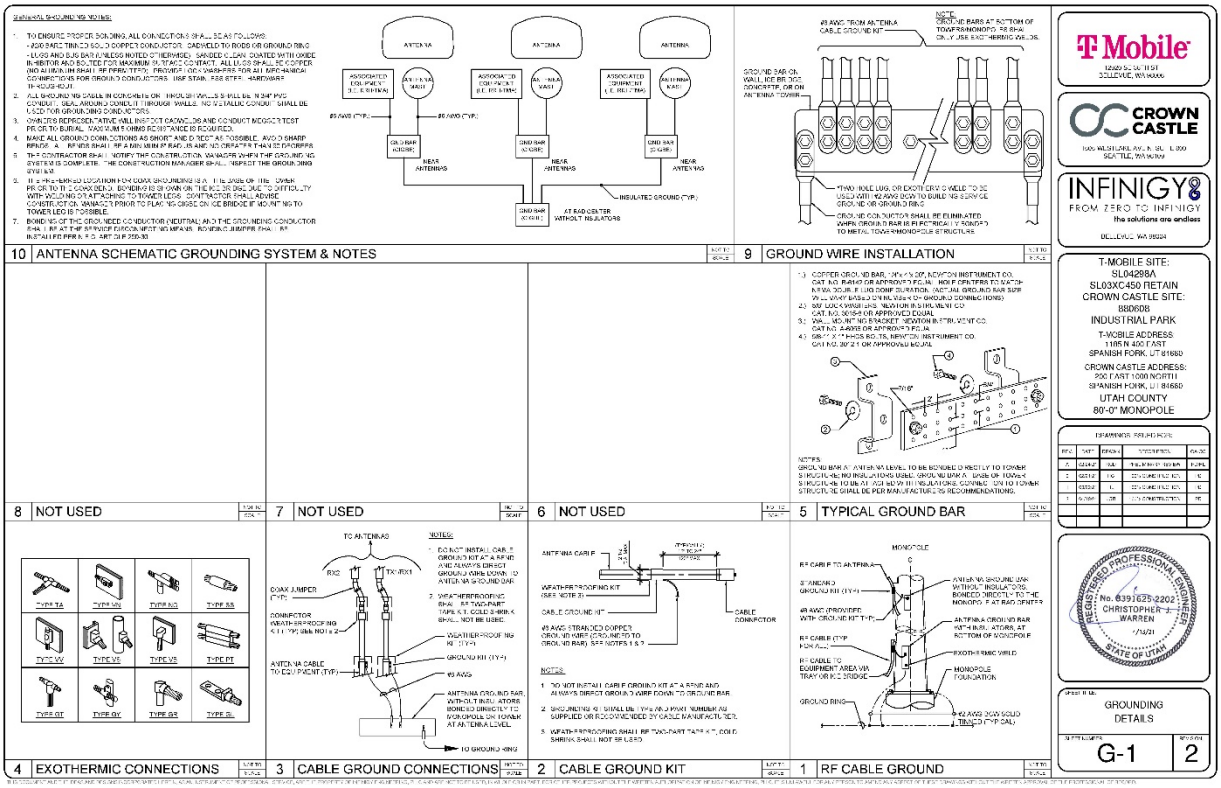
SHEET NUMBER: A-5
REVISION: 2

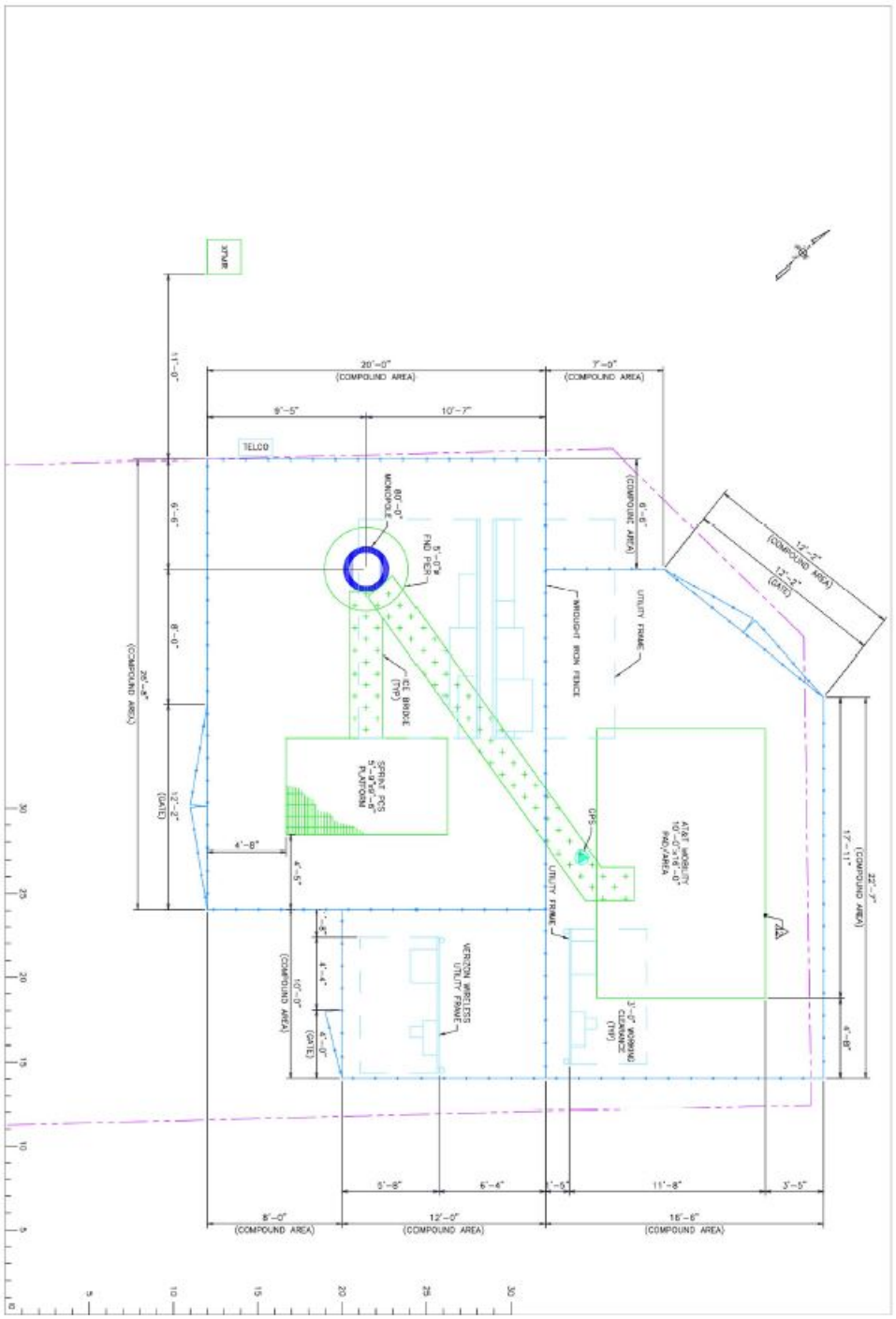

10 RF JUMPER ATTACHMENT DETAIL
9 RF JUMPER CONNECTION DETAIL
8 PSU 4813 DETAIL
7 CABINET ATTACHMENT DETAIL
6 HCS/FIBER STRAND COLOR CODING
5 BB 6648 DETAIL
4 NOT USED
3 HYBRID CABLE DETAIL
2 6160 CABINET DETAIL
1 B160 CABINET DETAIL
T-Mobile
CROWN CASTLE
INFINIGY
T-MOBILE SITE: SL04298A
SL03XC450 RETAIN
CROWN CASTLE SITE: 880608
INDUSTRIAL PARK
T-MOBILE ADDRESS: 1185 N 400 EAST SPANISH FORK, UT 84660
CROWN CASTLE ADDRESS: 900 EAST 1000 NORTH SPANISH FORK, UT 84660
UTAH COUNTY
80'-0" MONOPOLE
EQUIPMENT DETAILS
A-6
2


6 ANTENNA SECTOR FRAME MOUNT SPECIFICATION
5 NOT USED
4 GPS ANTENNA DETAIL
3 RING MOUNT SPECIFICATION
2 WORK LIGHT W/ TIMER DETAIL
1 BATTERY SPECIFICATIONS
T-Mobile
CROWN CASTLE
INFINIGY
T-MOBILE SITE: SL04298A
SL03XC450 RETAIN
CROWN CASTLE SITE: 880608
INDUSTRIAL PARK
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CROWN CASTLE ADDRESS: 900 EAST 1000 NORTH SPANISH FORK, UT 84660
UTAH COUNTY
80'-0" MONOPOLE
EQUIPMENT DETAILS
A-7
2


ASCO D300L Series Power Transfer Load Center Rated 200 Amps, 240 Vac max., Single Phase/3 Wire, Type 3R Enclosure
REAR
FRONT EXTERIOR DOORS REMOVED
FRONT EXTERIOR DOORS
TOP COMPARTMENT SWING PANEL REMOVED
FRONT WITH EXTERIOR DOOR
RIGHT SIDE
BOTTOM
1 PPC WITH CAM-LOK DETAIL
T-Mobile
CROWN CASTLE
INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
T-MOBILE SITE:
SL04298A
SL03XC450 RETAIN
CROWN CASTLE SITE:
880608
INDUSTRIAL PARK
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1185 N 400 EAST
SPANISH FORK, UT 84660
CROWN CASTLE ADDRESS:
900 EAST 1000 NORTH
SPANISH FORK, UT 84660
UTAH COUNTY
80'-0" MONOPOLE
No. 6391625-2202
CHRISTOPHER J. WARREN
7/14/21
STATE OF UTAH
REGISTERED PROFESSIONAL ENGINEER
EQUIPMENT DETAILS
A-8
2


PANEL SCHEDULE
SINGLE PHASE
3 PANEL SCHEDULE
POWER PANEL
(SEE PANEL SCHEDULE)
2" GRC OR LIQUID TIGHT CONDUIT FOR AC POWER (CONTRACTOR TO SUPPLY SIZE/QUANTITY CONDUCTORS PER MANUFACTURER SPECIFICATIONS)
NOTE: CONTRACTOR TO VERIFY WITH MANUFACTURER SPECIFICATIONS PRIOR TO CONSTRUCTION
2 ELECTRICAL ONE-LINE DIAGRAM
1 NOT USED
T-Mobile
CROWN CASTLE
INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
T-MOBILE SITE:
SL04298A
SL03XC450 RETAIN
CROWN CASTLE SITE:
880608
INDUSTRIAL PARK
T-MOBILE ADDRESS:
1185 N 400 EAST
SPANISH FORK, UT 84660
CROWN CASTLE ADDRESS:
900 EAST 1000 NORTH
SPANISH FORK, UT 84660
UTAH COUNTY
80'-0" MONOPOLE
No. 6391625-2202
CHRISTOPHER J. WARREN
7/14/21
STATE OF UTAH
REGISTERED PROFESSIONAL ENGINEER
ONE-LINE DIAGRAM & PANEL SCHEDULE
E-1
2


ANTENNA SCHEMATIC GROUNDING SYSTEM & NOTES
GROUND WIRE INSTALLATION
NOT USED
NOT USED
NOT USED
TYPICAL GROUND BAR
EXOTHERMIC CONNECTIONS
CABLE GROUND CONNECTIONS
CABLE GROUND KIT
RF CABLE GROUND
T-Mobile
CROWN CASTLE
INFINIGY
T-MOBILE SITE:
SL04298A
SL03XC450 RETAIN
CROWN CASTLE SITE:
880508
INDUSTRIAL PARK
T-MOBILE ADDRESS:
1185 N 400 EAST
SPANISH FORK, UT 84660
CROWN CASTLE ADDRESS:
900 EAST 1000 NORTH
SPANISH FORK, UT 84660
UTAH COUNTY
80'-0" MONOPOLE
GROUNDING DETAILS
G-1
2


XFMR
TELCO
20'-0"
(COMPOUND AREA)
7'-0"
(COMPOUND AREA)
9'-5"
10'-7"
11'-0"
6'-9"
8'-0"
26'-4"
(COMPOUND AREA)
12'-2"
(GATE)
4'-8"
4'-5"
10'-0"
(COMPOUND AREA)
6'-0"
(GATE)
80'-0"
MONOPOLE
5'-0"
FND PER
(TYP)
SPRINT PCS
5'-0"x5'-0"
PLATFORM
WROUGHT IRON FENCE
UTILITY FRAME
GPS
AT&T WORKING
10'-0"x10'-0"
PROJ AREA
VERIZON WIRELESS
UTILITY FRAME
3'-0" WORKING
CLEARANCE
(TYP)
6'-6"
(COMPOUND AREA)
17'-2"
(COMPOUND AREA)
12'-2"
(GATE)
17'-11"
(COMPOUND AREA)
22'-4"
(COMPOUND AREA)
6'-8"
5'-8"
6'-4"
1'-5"
11'-8"
3'-5"
8'-0"
(COMPOUND AREA)
12'-0"
(COMPOUND AREA)
16'-6"
(COMPOUND AREA)


Spanish Fork

