

Project Narrative/Notes/Revisions

- 2023/03/15 NF - COMPLETED DESIGN FOR CLIENT & CITY REVIEW.
- 2023/06/06 NF - REVISED PER BONA VISTA COMMENTS.

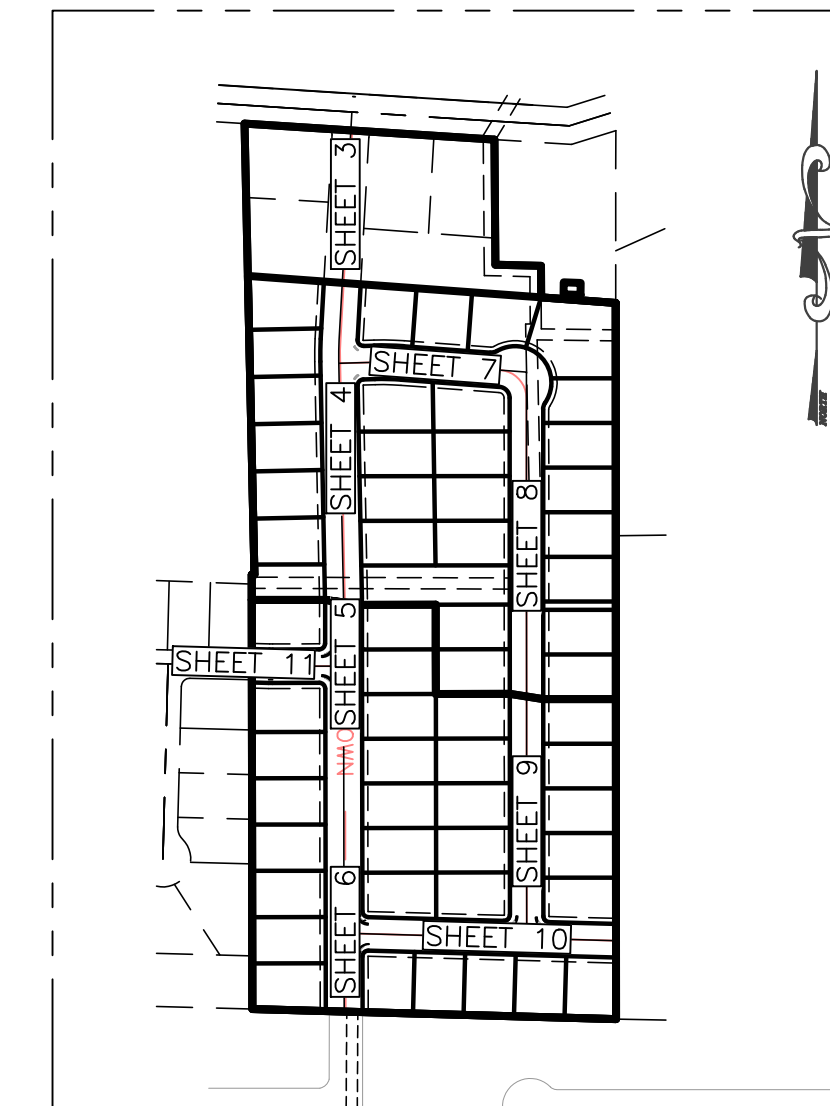
THE GROVE at JDC RANCH SUBDIVISION

Improvement Plan - Phase 1 & 2

WEBER COUNTY, UTAH
MARCH, 2023



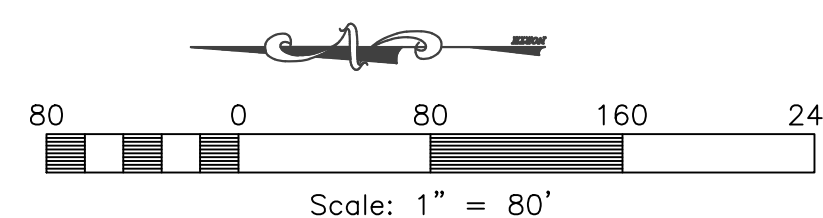
Vicinity Map
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Sheet Index Key Map
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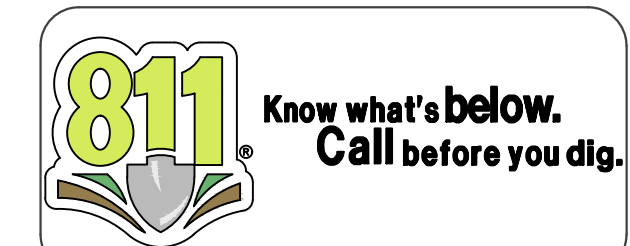
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Notice:

THESE PLANS WERE CREATED UTILIZING COLORS FOR UTILITIES & OTHER INFRASTRUCTURE. IF PRINTED IN, OR COPIED TO BLACK & WHITE, SOME LINE WORK MAY NOT SHOW UP PROPERLY.



Surveyor:

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Reeve & Associates, Inc.
5160 South 1500 West
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PH:(801) 621-3100

Landscape Architect:

Nathan Peterson
Reeve & Associates, Inc.
5160 South 1500 West
Riverdale, Utah, 84405
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Developer Contact:

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Ogden, UT 84405
Steve Anderson
PH: (801) 430-3996

Project Contact:

Nate Reeve
Reeve & Associates, Inc.
5160 South 1500 West
Riverdale, Utah, 84405
PH:(801) 621-3100

Engineer's Notice To Contractors:

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED FROM AVAILABLE INFORMATION PROVIDED BY OTHERS. THE LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR, SO THAT ANY NECESSARY ADJUSTMENT CAN BE MADE IN ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR IS REQUIRED TO CONTACT THE UTILITY COMPANIES AND TAKE DUE PRECAUTIONARY MEASURE TO PROTECT ANY UTILITY LINES SHOWN, AND ANY OTHER LINES OBTAINED BY THE CONTRACTOR'S RESEARCH, AND OTHERS NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

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TEL: (801) 621-3100 www.reeve.co

REVISIONS	DESCRIPTION

The Grove at JDC Ranch Subdivision
Phase 1 & 2
WEBER COUNTY, UTAH

Cover/Index Sheet



Project Info.

Engineer:	J. NATE REEVE, P.E.
Drafter:	N. FICKLIN
Begin Date:	MARCH 2022
Name:	THE GROVE AT JDC RANCH SUBDIVISION PHASE 1 & 2
Number:	7152-14

General Notes:

- 1. ALL CONSTRUCTION MUST STRICTLY FOLLOW THE STANDARDS AND SPECIFICATIONS SET FORTH BY: GOVERNING UTILITY MUNICIPALITY, GOVERNING CITY OR COUNTY (IF UN-INCORPORATED), INDIVIDUAL PRODUCT MANUFACTURERS, AMERICAN PUBLIC WORKS ASSOCIATION (APWA), AND THE DESIGN ENGINEER. THE ORDER LISTED ABOVE IS ARRANGED BY SENIORITY. IF A CONSTRUCTION PRACTICE IS NOT SPECIFIED BY ANY OF THE LISTED SOURCES, CONTRACTOR MUST CONTACT DESIGN ENGINEER FOR DIRECTION.

Utility Notes:

- 1. CONTRACTOR SHALL COORDINATE LOCATION OF NEW "DRY UTILITIES" WITH THE APPROPRIATE UTILITY COMPANY, INCLUDING BUT NOT LIMITED TO: TELEPHONE SERVICE, GAS SERVICE, CABLE, POWER, INTERNET.

Notice to Contractor:

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON RECORDS OF THE VARIOUS UTILITY COMPANIES AND/OR MUNICIPALITIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE CONTRACTOR IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.

THE CONTRACTOR AGREES THAT THEY SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND THE ENGINEERS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.

- NOTE: 1. SAWCUT EXISTING ASPHALT INSIDE FROM OUTER EDGE FOR TACK SEAL OF NEW ASPHALT 2. CONTRACTOR TO VERIFY 2% MIN. AND 5% MAX SLOPE FROM EDGE OF ASPHALT TO LIP OF GUTTER

Survey Control Note:

THE CONTRACTOR OR SURVEYOR SHALL BE RESPONSIBLE FOR FOLLOWING THE NATIONAL SOCIETY OF PROFESSIONAL SURVEYORS (NSPS) MODEL STANDARDS FOR ANY SURVEYING OR CONSTRUCTION LAYOUT TO BE COMPLETED USING REEVE & ASSOCIATES, INC. SURVEY DATA OR CONSTRUCTION IMPROVEMENT PLANS. PRIOR TO PROCEEDING WITH CONSTRUCTION STAKING, THE SURVEYOR SHALL BE RESPONSIBLE FOR VERIFYING HORIZONTAL CONTROL FROM THE SURVEY MONUMENTS AND FOR VERIFYING ANY ADDITIONAL CONTROL POINTS SHOWN ON AN ALTA SURVEY. IMPROVEMENT PLAN, OR ANY ELECTRONIC DATA PROVIDED, THE SURVEYOR SHALL ALSO USE THE BENCHMARKS AS SHOWN ON THE PLAN, AND VERIFY THEM AGAINST NO LESS THAN FIVE (5) EXISTING HARD IMPROVEMENT ELEVATIONS INCLUDED ON THESE PLANS OR ELECTRONIC DATA PROVIDED. IF ANY DISCREPANCIES ARE ENCOUNTERED, THE SURVEYOR SHALL IMMEDIATELY NOTIFY REEVE & ASSOCIATES, INC. AND RESOLVE THE DISCREPANCIES BEFORE PROCEEDING WITH ANY CONSTRUCTION STAKING.

Erosion Control General Notes:

THE CONTRACTOR TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL OF THIS PROJECT. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO GOVERNING AGENCIES ORDINANCES AND ALL WORK SHALL BE SUBJECT TO INSPECTION BY THE AGENCIES. ALSO, INSPECTORS WILL HAVE THE RIGHT TO CHANGE THE FACILITIES AS NEEDED.

CONTRACTOR SHALL KEEP THE SITE WATERED TO CONTROL DUST. CONTRACTOR TO LOCATE A NEARBY HYDRANT FOR USE AND TO INSTALL TEMPORARY METER. CONSTRUCTION WATER COST TO BE INCLUDED IN BID.

WHEN GRADING OPERATIONS ARE COMPLETED AND THE DISTURBED GROUND IS LEFT OPEN FOR 14 DAYS OR MORE, THE AREA SHALL BE FURROWED PARALLEL TO THE CONTOURS.

THE CONTRACTOR SHALL MODIFY EROSION CONTROL MEASURES TO ACCOMMODATE PROJECT PLANNING.

ALL ACCESS TO PROPERTY WILL BE FROM PUBLIC RIGHT-OF-WAYS. THE CONTRACTOR IS REQUIRED BY STATE AND FEDERAL REGULATIONS TO PREPARE A STORM WATER POLLUTION PREVENTION PLAN AND FILE A "NOTICE OF INTENT" WITH THE GOVERNING AGENCIES.

Maintenance:

ALL BEST MANAGEMENT PRACTICES (BMP'S) SHOWN ON THIS PLAN MUST BE MAINTAINED AT ALL TIMES UNTIL PROJECT CLOSE-OUT.

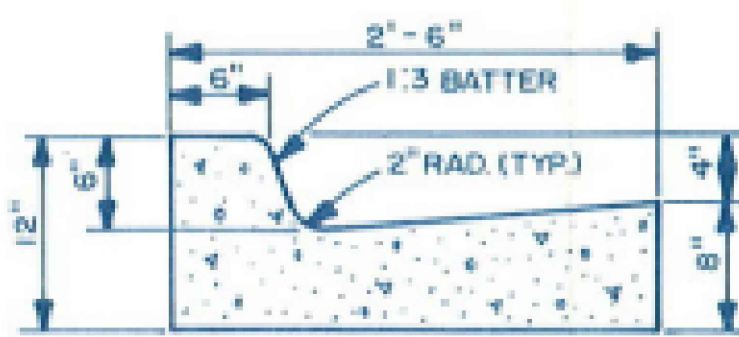
THE CONTRACTOR'S RESPONSIBILITY SHALL INCLUDE MAKING BI-WEEKLY CHECKS ON ALL EROSION CONTROL MEASURES TO DETERMINE IF REPAIR OR SEDIMENT REMOVAL IS NECESSARY. CHECKS SHALL BE DOCUMENTED AND COPIES OF THE INSPECTIONS KEPT ON SITE.

SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF BARRIER.

SEDIMENT TRACKED ONTO PAVED ROADS MUST BE CLEANED UP AS SOON AS PRACTICAL, BUT IN NO CASE LATER THAN THE END OF THE NORMAL WORK DAY. THE CLEAN UP WILL INCLUDE SWEEPING OF THE TRACKED MATERIAL, PICKING IT UP, AND DEPOSITING IT TO A CONTAINED AREA.

EXPOSED SLOPES:

- ANY EXPOSED SLOPE THAT WILL REMAIN UNTOUCHED FOR LONGER THAN 14 DAYS MUST BE STABILIZED BY ONE OR MORE OF THE FOLLOWING METHODS: A) SPRAYING DISTURBED AREAS WITH A TACKIFIER VIA HYDROSEED B) TRACKING STRAW PERPENDICULAR TO SLOPES C) INSTALLING A LIGHT-WEIGHT, TEMPORARY EROSION CONTROL BLANKET



STANDARD CURB & GUTTER SECTION

NOTE: SIDEWALKS, CURB & GUTTER AND CROSS DRAINS SHALL BE CONSTRUCTED WITH CLASS "B" CONCRETE (3500 PSI, 28 DAY COMPRESSIVE STRENGTH)

Legend

- SW LAT = PROPOSED SECONDARY WATER LATERAL
LD LAT = PROPOSED LAND DRAIN LATERAL
W LAT = PROPOSED WATER LATERAL
SS LAT = PROPOSED SEWER LATERAL
W/B = PROPOSED CULINARY WATER LINE
EX.W = EXISTING CULINARY WATER LINE
SW/B = PROPOSED SECONDARY WATER LINE
EX.SW = EXISTING SECONDARY WATER LINE
SS/B = PROPOSED SANITARY SEWER LINE
EX.SS = EXISTING SANITARY SEWER LINE
SD/15 = PROPOSED STORM DRAIN LINE
EX.SD = EXISTING STORM DRAIN LINE
LD/B = PROPOSED LAND DRAIN LINE
EX.LD = EXISTING LAND DRAIN LINE
IRR/18 = PROPOSED IRRIGATION LINE
EX.IRR = EXISTING IRRIGATION LINE
X X X = EXISTING FENCE LINE
O O O = PROPOSED FENCE LINE
--- = DRAINAGE SWALE
OHP = OVERHEAD POWER LINE
Proposed symbols: Fire hydrant, manhole, sewer clean-out, gate valve, gate valve, plug & block, air vac assembly, dual secondary meter.

Reeve & Associates, Inc. logo and address: 5160 SOUTH 1500 WEST, RIVERDALE, UTAH 84405

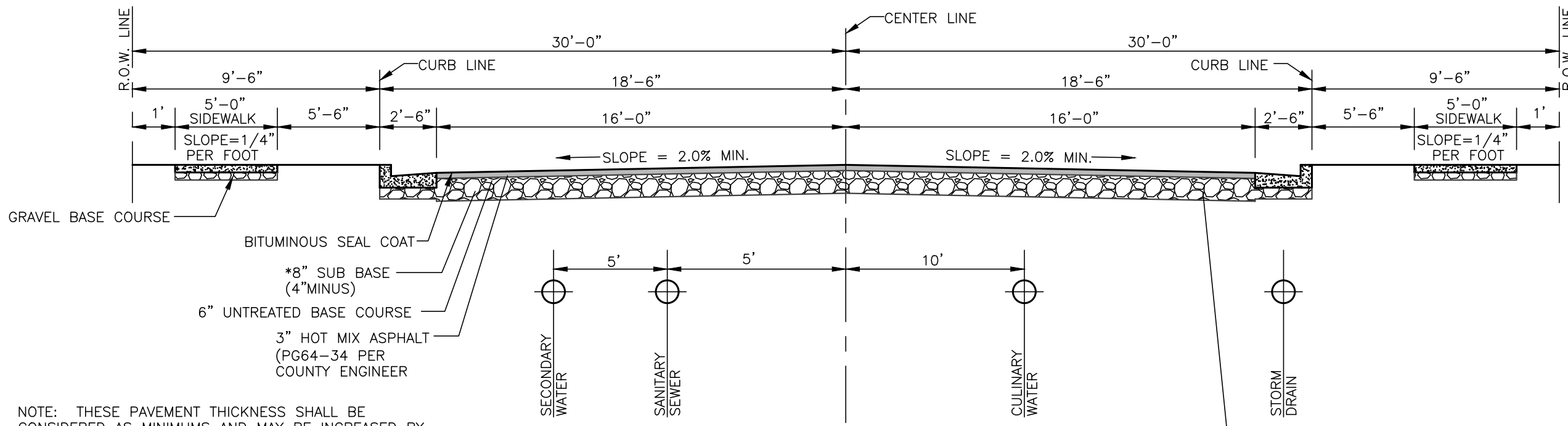
Table with columns: REVISIONS, DESCRIPTION, DATE

The Grove at JDC Ranch Subdivision Phase 1 & 2 Notes/Legend/Street Cross-Section

Professional Engineer Seal for J. Nate Reeve, State of Utah, License No. 9753828

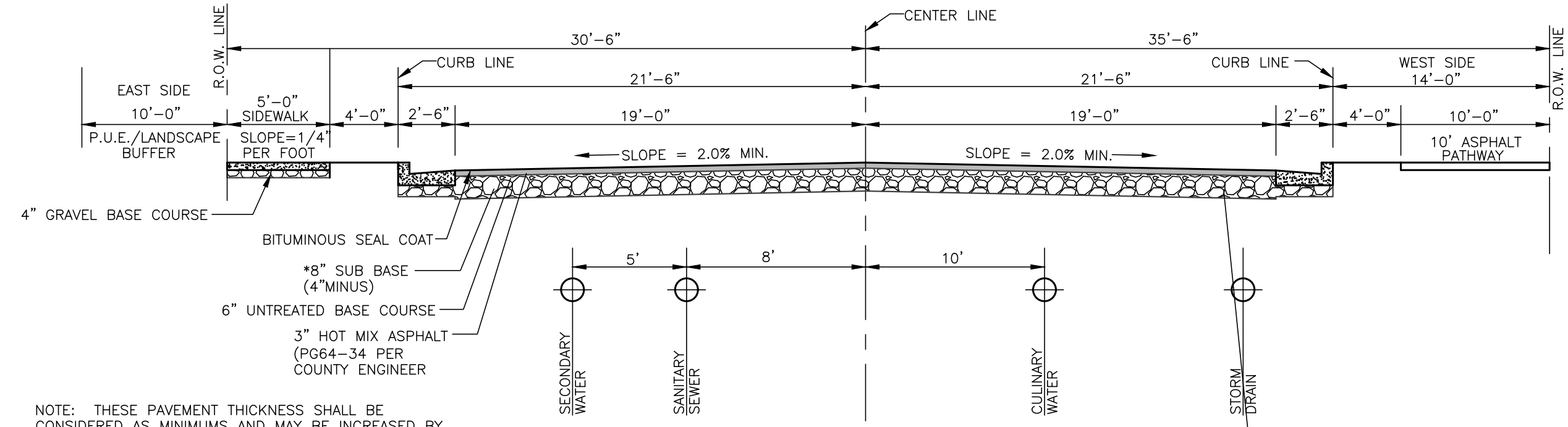
Project Info: Engineer: J. NATE REEVE, P.E. Drafter: N. FICKLIN Begin Date: MARCH 2022

Street Section (60' R.O.W.)

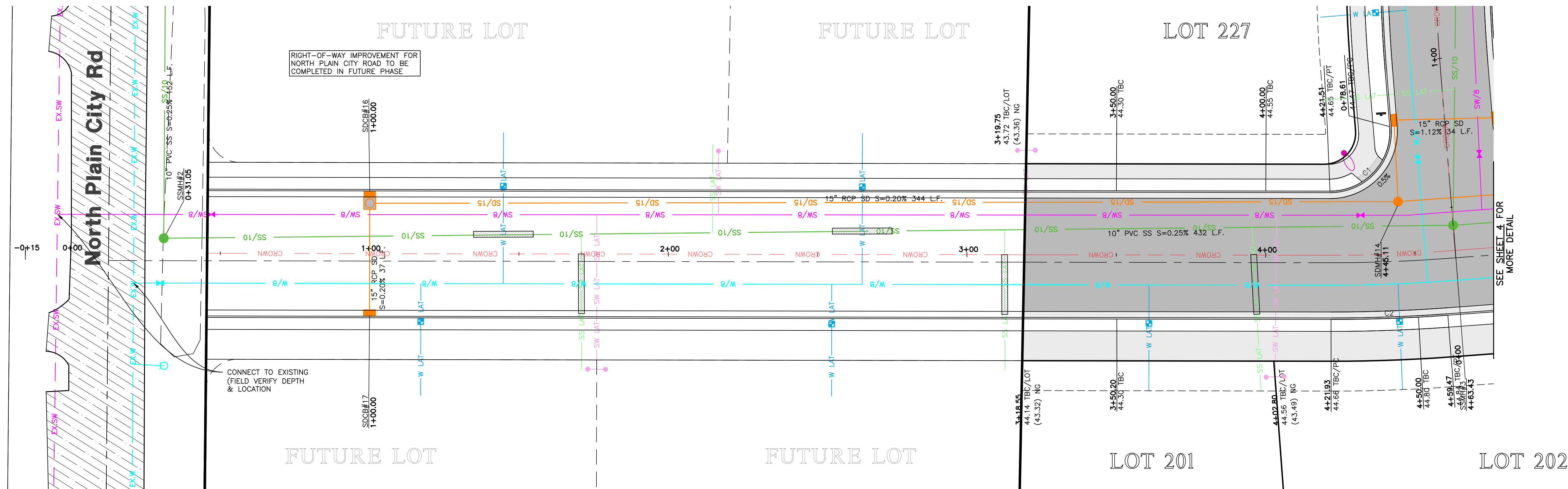


NOTE: THESE PAVEMENT THICKNESS SHALL BE CONSIDERED AS MINIMUMS AND MAY BE INCREASED BY THE COUNTY ENGINEER WHEN THE SUBGRADE C.B.R. IS LESS THAN 10 OR WHEN A GREATER DEPTH IS NECESSARY...

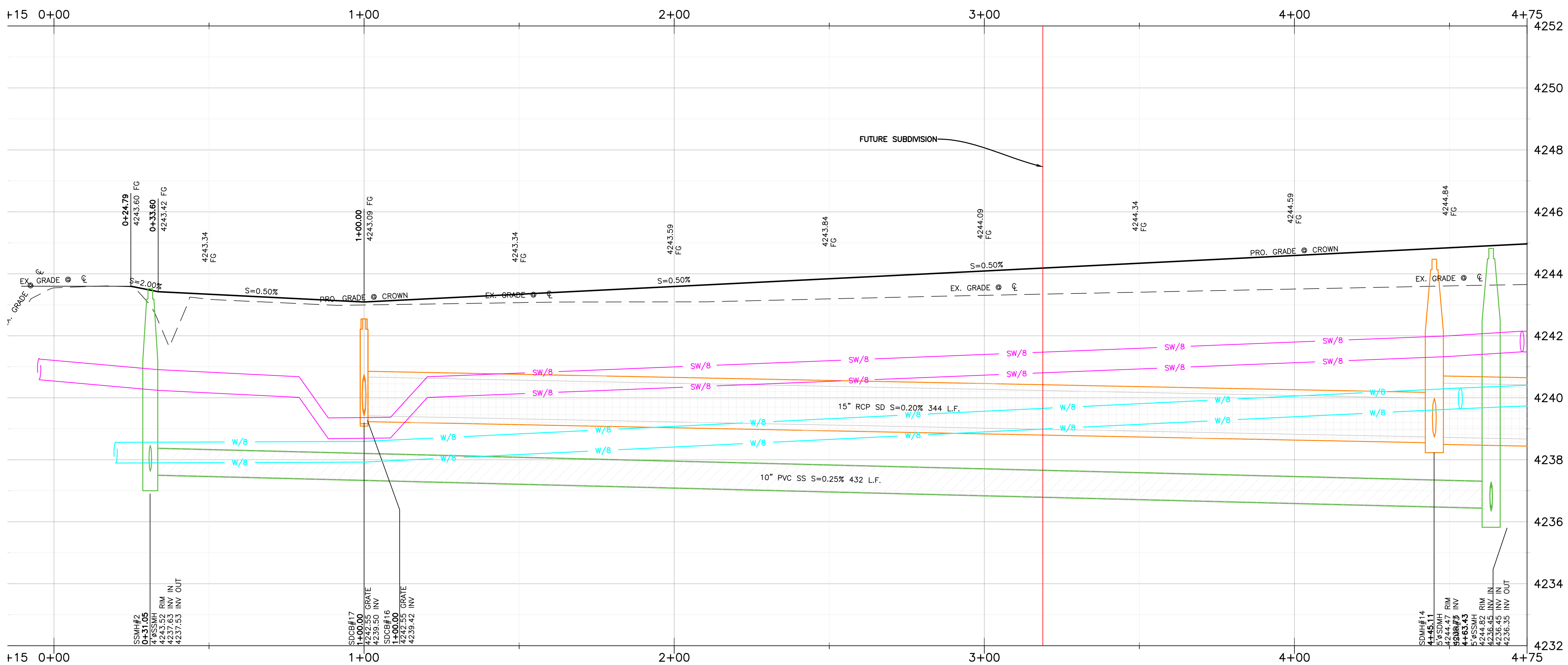
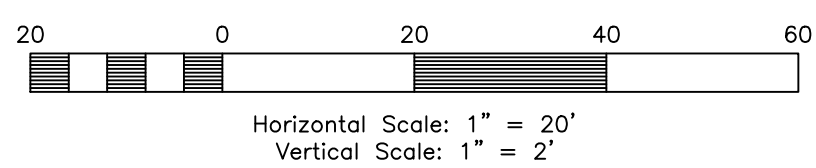
Street 'A' Street Section (66' R.O.W.)



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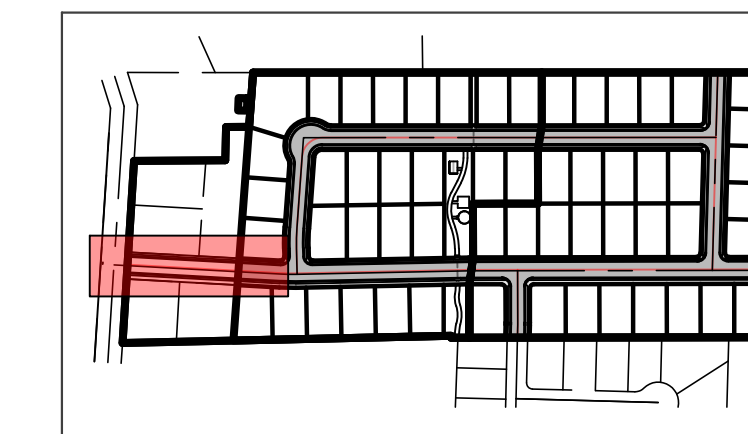


2875 West 0+00.00 - 4+50.00



Key Map

NOT TO SCALE



Construction Notes:

CULINARY WATER

NOTE: 4' MIN. COVER REQUIRED OVER CW LINES
 W/8 - 8" DIP W/POLY WRAP WATER LINE
 W LAT - 1" TYPE K COPPER SERVICE LATERAL

SANITARY SEWER

SS/10 - 10" PVC SDR-35 SEWER LINE
 SS/12 - 12" PVC SDR-35 SEWER LINE
 SS LAT - 4" PVC SDR-35 SERVICE LATERAL

STORM DRAIN

SD/30 - 30" RCP CLASS III STORM DRAIN
 SD/24 - 24" RCP CLASS III STORM DRAIN
 SD/21 - 21" RCP CLASS III STORM DRAIN
 SD/18 - 18" RCP CLASS III STORM DRAIN
 SD/15 - 15" RCP CLASS III STORM DRAIN
 SD/8 - 8" PVC YARD DRAIN
 SD/6 - 6" PVC YARD DRAIN

SECONDARY WATER

SW/8 - 8" PVC C-900 DR-14 SECONDARY WATER LINE
 SW LAT - 1" SERVICE LATERAL W/ 1" METER (SINGLE SERVICE)
 SW LAT - 1.5" SERVICE LATERAL W/ 1" METER (DOUBLE SERVICE)

NOTE:

1. ALL CONSTRUCTION IS TO CONFORM TO THE CITY STANDARD DRAWINGS AND SPECIFICATIONS.
2. CONSTRUCT HANDICAP RAMP PER ADA AND CITY REQUIREMENTS.
3. PROVIDE 18" CLEARANCE FOR LATERALS OVER SEWER.
4. DEPTH OF WATER TO BE 4' MIN. BELOW FINISHED GRADE.
5. CULINARY WATER TO BE INSTALLED PER BONA VISTA STANDARDS.
6. ALL EXISTING DITCHES THAT ARE BEING FILLED IN, MUST HAVE STRUCTURAL FILL IN ALL RIGHT-OF-WAY AND BUILDING FOOTPRINTS.
7. PVC SLEEVES TO BE INSTALLED UNDER PATHWAY FOR SPRINKLER USE.
8. CONTRACTOR TO INSTALL ALL SLEEVES AS REQUIRED FOR THE RESIDENTIAL DEVELOPMENT.
9. FOR ELECTRICITY CONDUITS COORDINATE WITH ROCKY MOUNTAIN POWER.
10. CONTRACTOR TO INSTALL CONDUITS FROM TRANSFORMER TO LIGHT LOCATIONS WITH JUNCTION BOXES AS NEEDED TO BE USED TO POWER STREET LIGHTS.
11. LOCATION WHERE 18" VERTICAL SEPARATION FOR WATER CROSSING SEWER MAINS CAN NOT BE MAINTAINED, SEWER MAINS MUST BE SLEEVED WITH 14"x20" CENTERED AT CROSSING.
12. LOCATIONS WHERE 18" VERTICAL SEPARATIONS FOR SEWER & CULINARY WATER LINES CAN NOT BE MAINTAINED, SEWER LATERALS TO SLEEVED WITH 8"x18" AT CROSSING.
13. 24" PIPE CAN BE USED WHERE 21" PIPE IS CALLED OUT. UTILIZE CHEAPEST OPTION.

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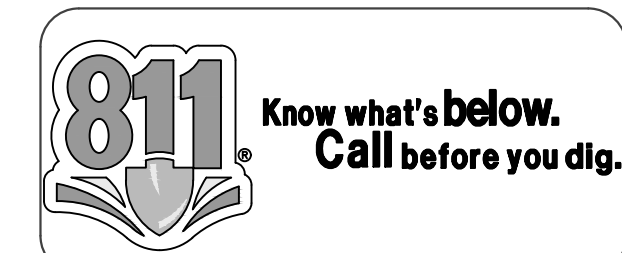
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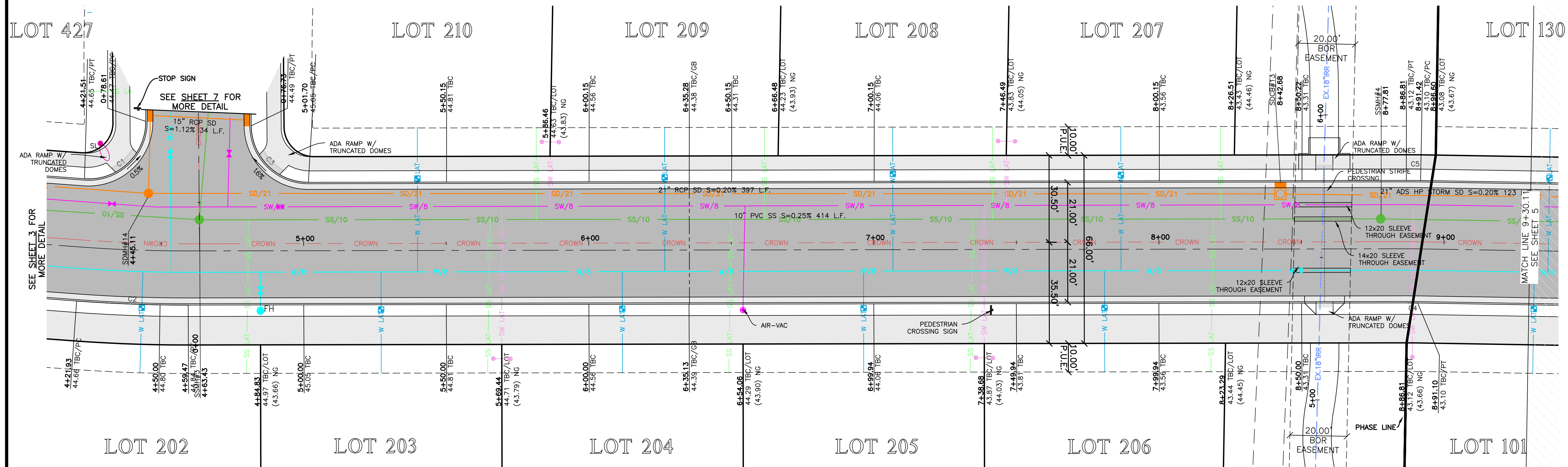
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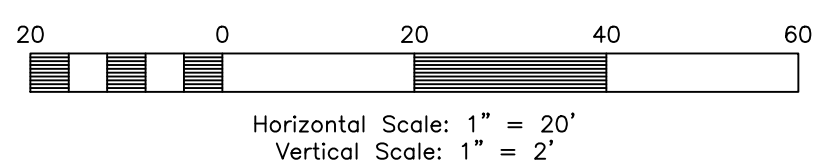


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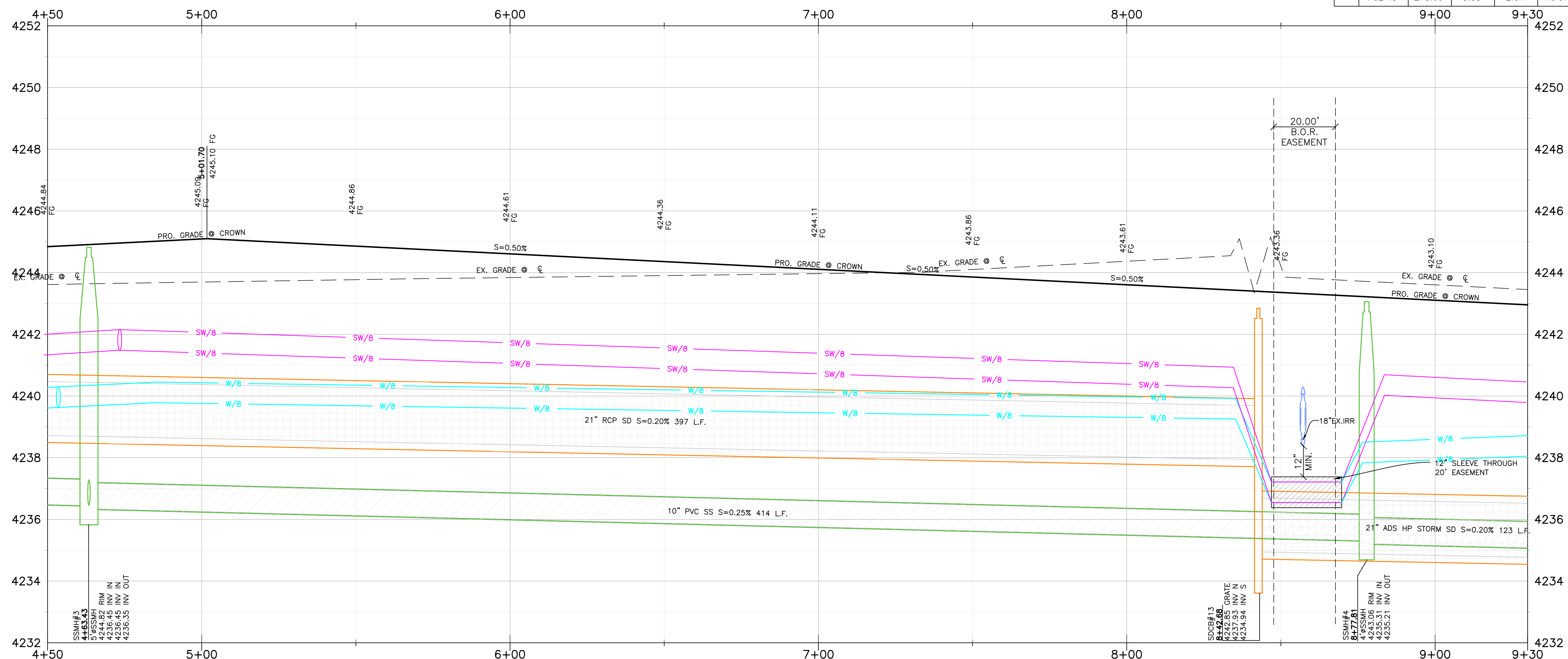




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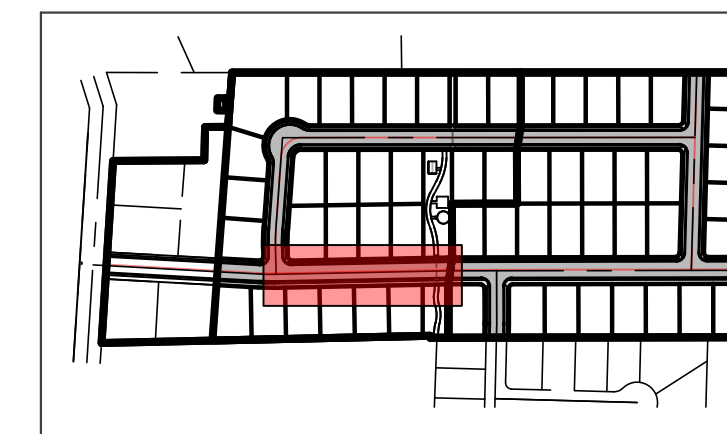


TBC Curve Data						
#	Delta	Radius	Length	Tangent	Chord	CH Length
C1	94°44'19"	20.00'	33.07'	21.73'	S44°10'50"E	29.43'
C2	4°19'51"	519.00'	39.23'	19.62'	S1°01'24"W	39.22'
C3	89°35'32"	20.00'	31.27'	19.86'	S43°39'14"W	28.18'
C4	1°02'48"	195.76'	3.58'	1.79'	S0°37'08"E	3.58'
C5	1°02'48"	278.00'	5.08'	2.54'	N0°37'08"W	5.08'



Key Map

NOT TO SCALE



Construction Notes:

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NOTE: 4" MIN. COVER REQUIRED OVER CW LINES
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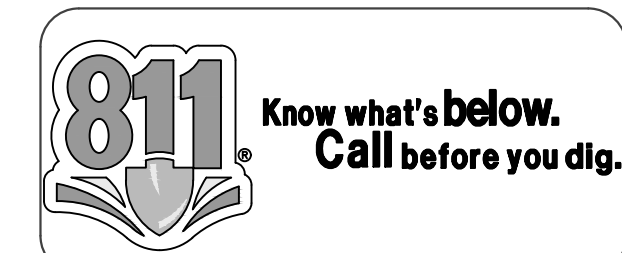
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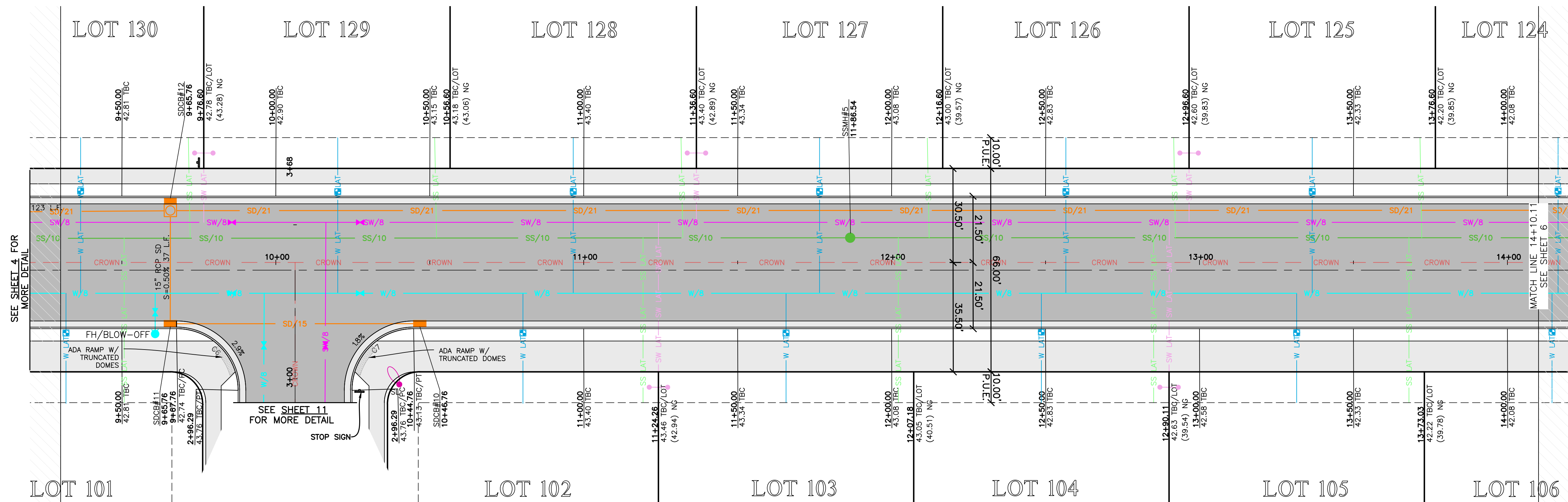
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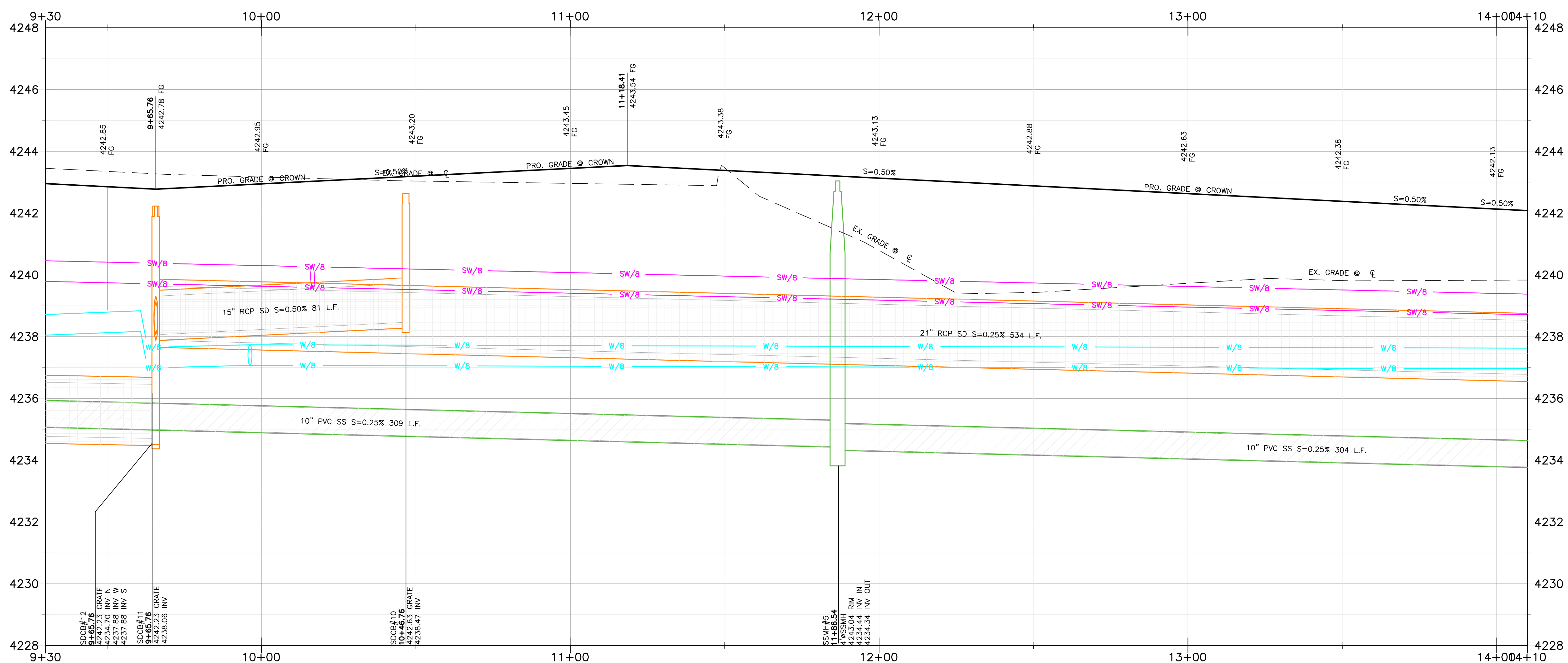
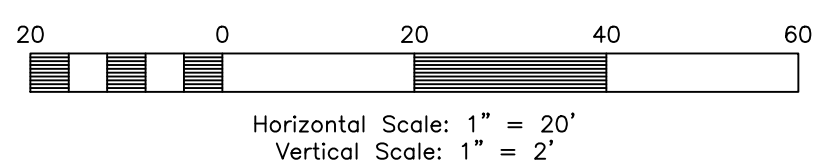


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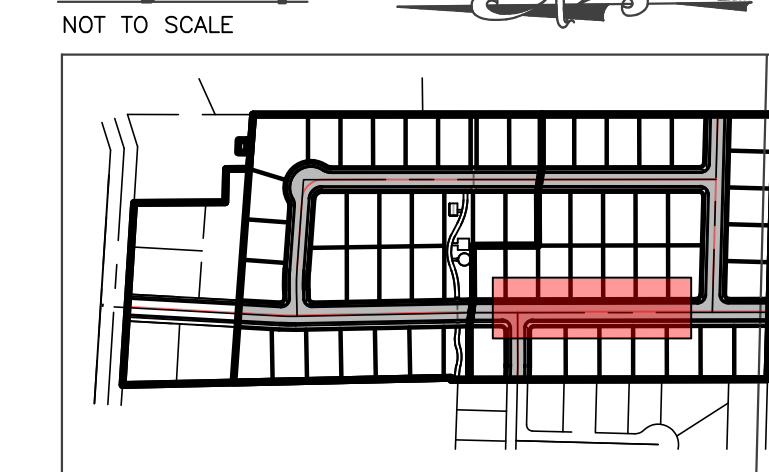


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Key Map



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 - LOCATIONS WHERE 18" VERTICAL SEPARATIONS FOR SEWER & CULINARY WATER LINES CAN NOT BE MAINTAINED, SEWER LATERALS TO SLEEVED WITH 8"x18" AT CROSSING.
 - 24" PIPE CAN BE USED WHERE 21" PIPE IS CALLED OUT. UTILIZE CHEAPEST OPTION.

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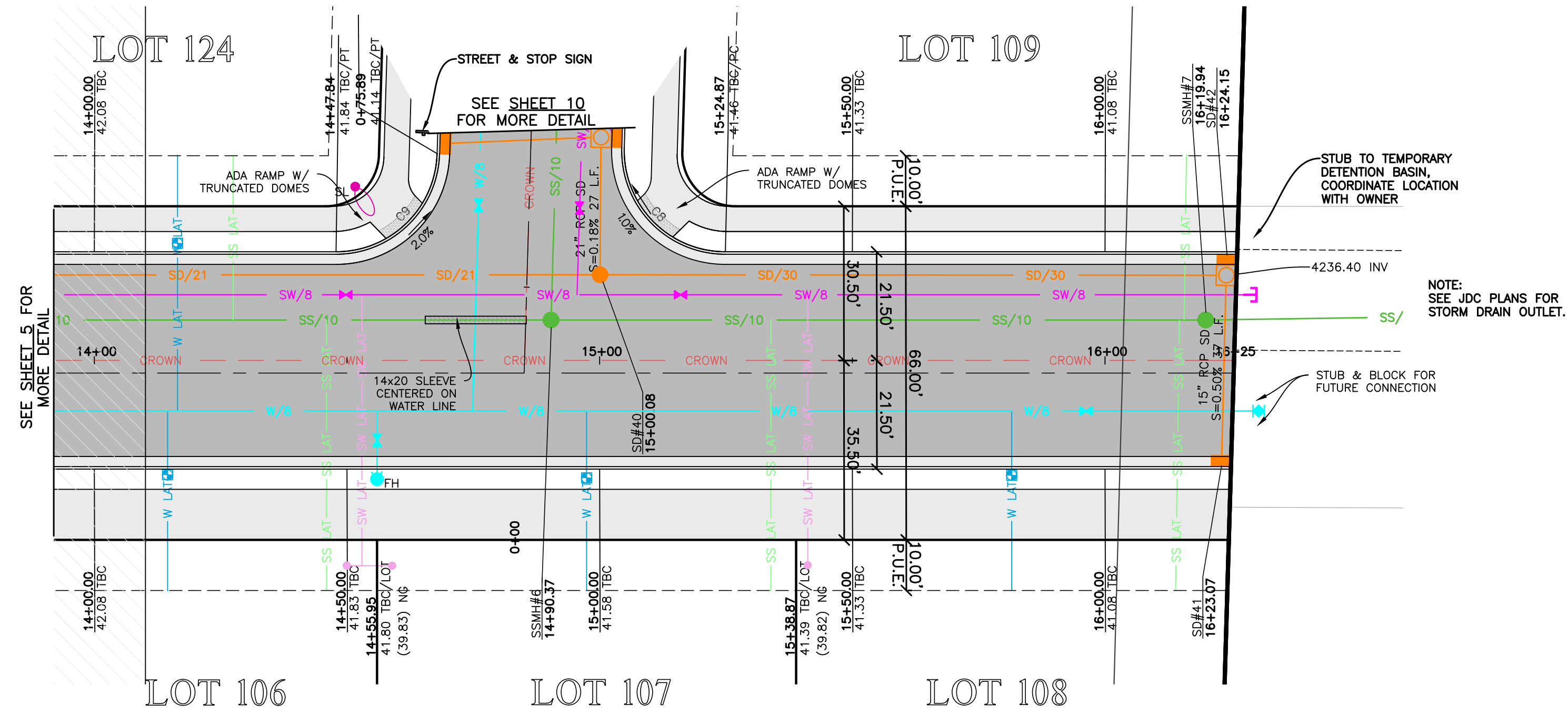
REVISIONS	DESCRIPTION

The Grove at JDC Ranch Subdivision
 Phase 1 & 2
 WEBER COUNTY, UTAH

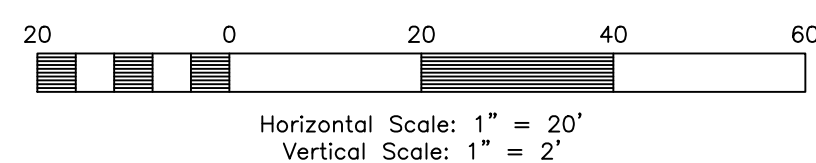
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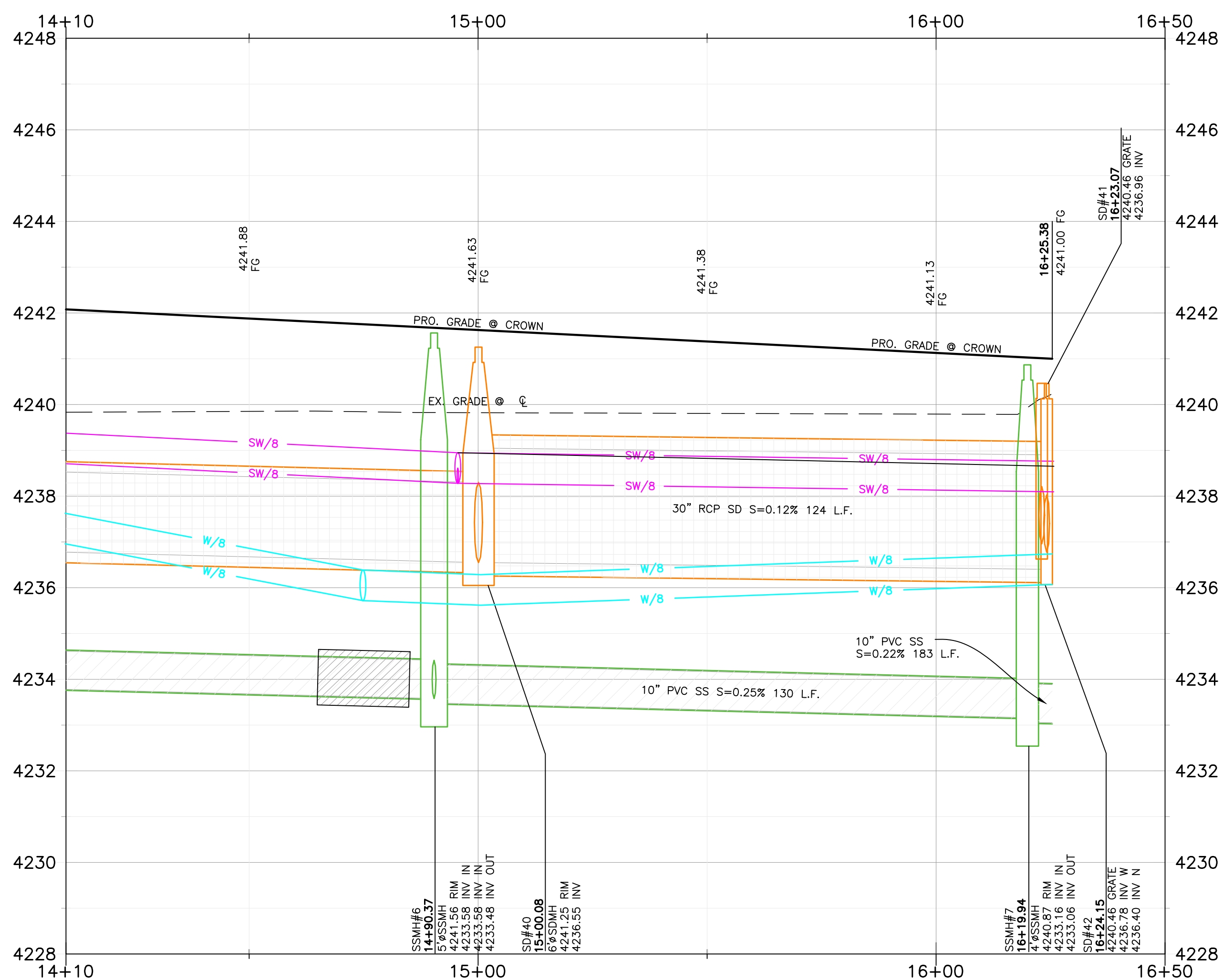
Project Info.
 Engineer: J. NATE REEVE, P.E.
 Drafter: N. FICKLIN
 Begin Date: MARCH 2022
 Name: THE GROVE AT JDC RANCH SUBDIVISION PHASE 1 & 2
 Number: 7152-14



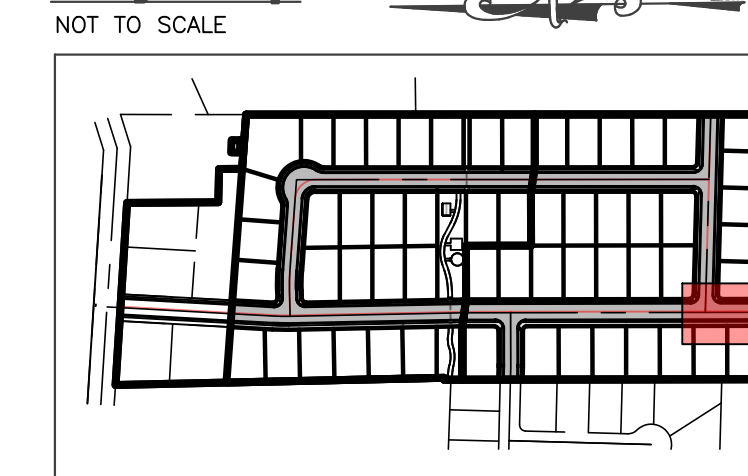
2875 West 14+10.00 - 16+25.35



TBC Curve Data						
#	Delta	Radius	Length	Tangent	Chord	CH Length
C8	91°40'32"	20.00'	32.00'	20.59'	S45°44'32"W	28.69'
C9	88°19'28"	20.00'	30.83'	19.42'	S44°15'28"E	27.87'



Key Map



Construction Notes:

- CULINARY WATER**
 NOTE: 4" MIN. COVER REQUIRED OVER CW LINES
 W/8 - 8" DIP W/POLY WRAP WATER LINE
 W LAT - 1" TYPE K COPPER SERVICE LATERAL
- SANITARY SEWER**
 SS/10 - 10" PVC SDR-35 SEWER LINE
 SS/12 - 12" PVC SDR-35 SEWER LINE
 SS LAT - 4" PVC SDR-35 SERVICE LATERAL
- STORM DRAIN**
 SD/30 - 30" RCP CLASS III STORM DRAIN
 SD/24 - 24" RCP CLASS III STORM DRAIN
 SD/21 - 21" RCP CLASS III STORM DRAIN
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 4. DEPTH OF WATER TO BE 4" MIN. BELOW FINISHED GRADE.
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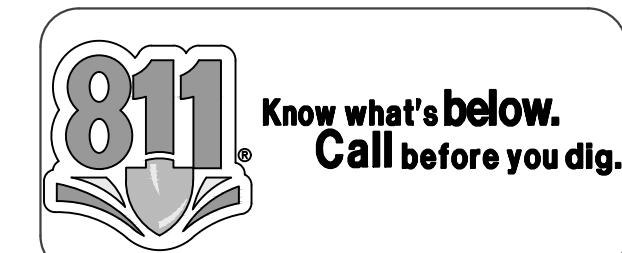
REVISIONS	DESCRIPTION

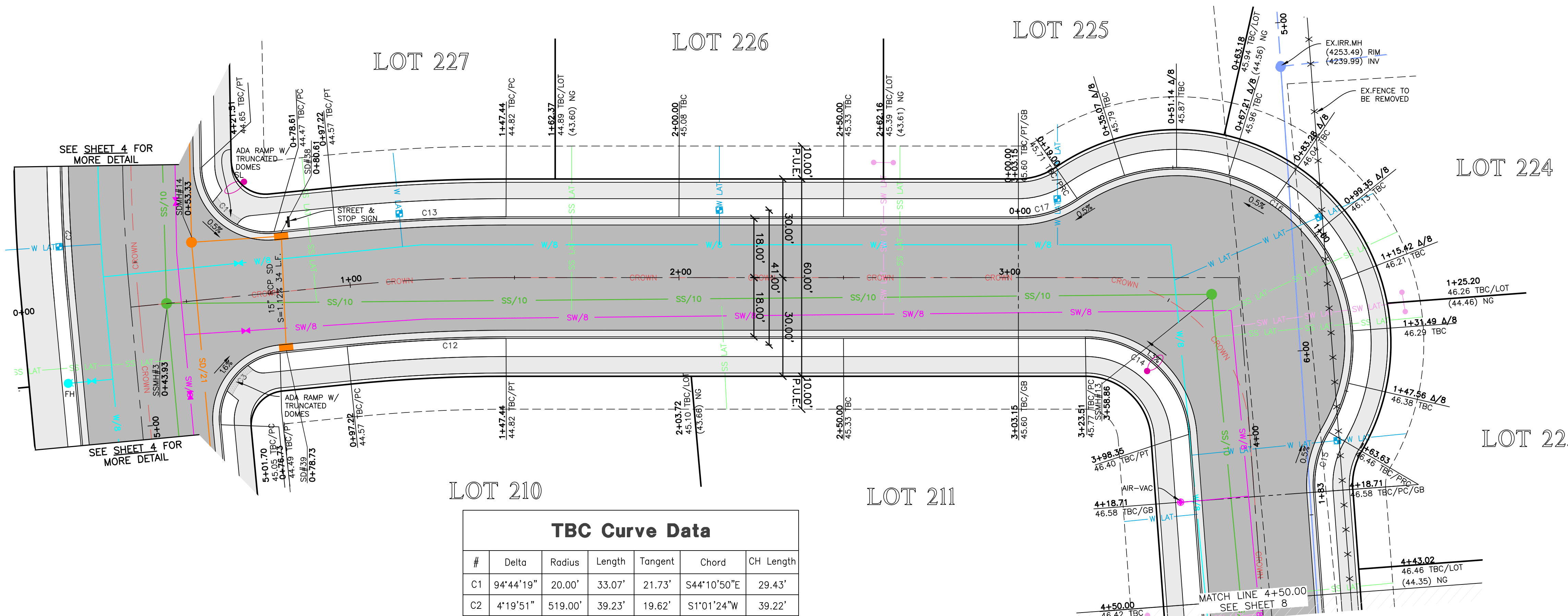
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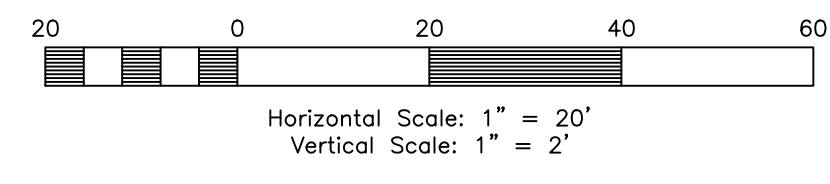


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 Begin Date: MARCH 2022
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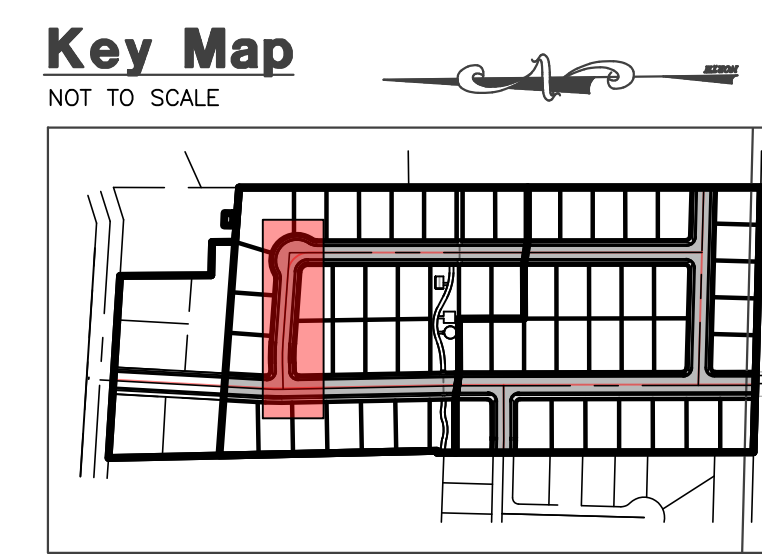
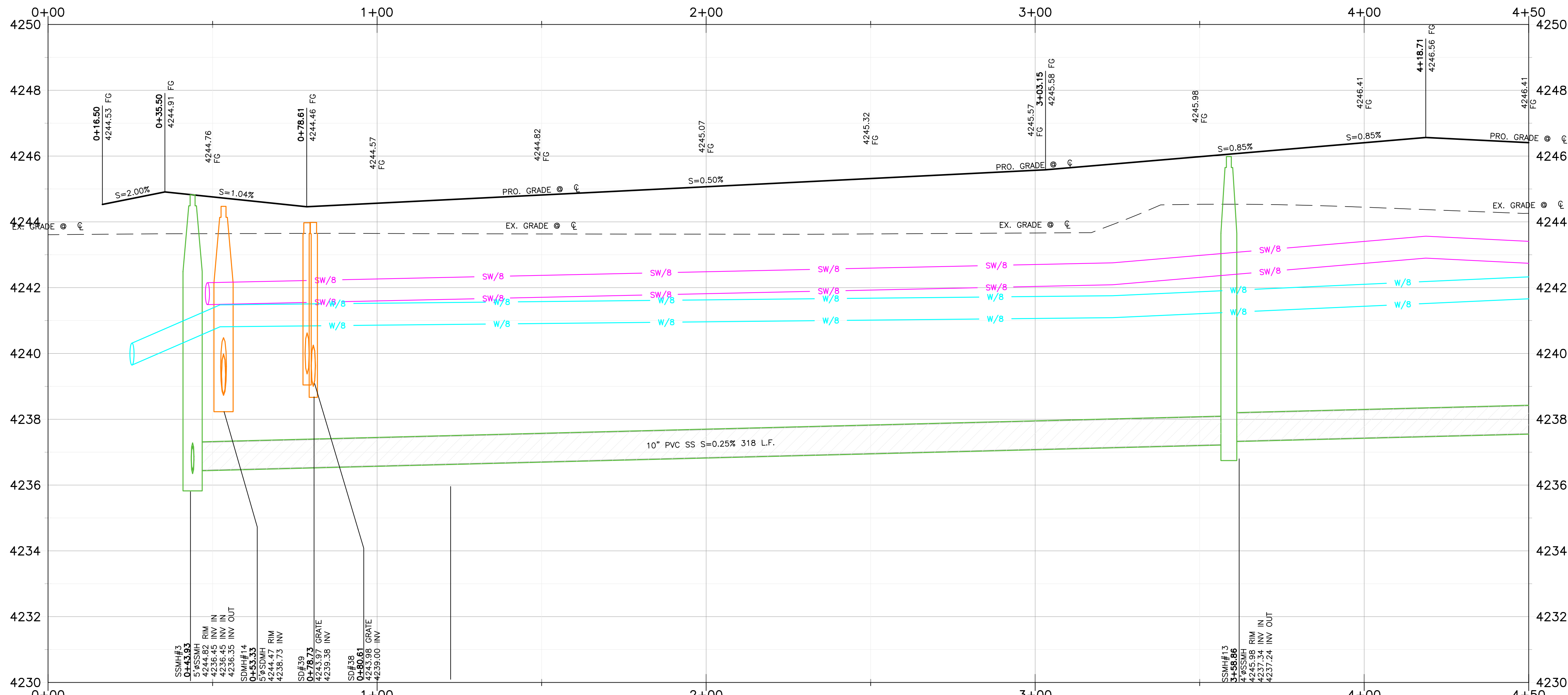


3225 North 0+00.00 - 4+50.00



TBC Curve Data						
#	Delta	Radius	Length	Tangent	Chord	CH Length
C1	94°44'19"	20.00'	33.07'	21.73'	S44°10'50"E	29.43'
C2	4°19'51"	519.00'	39.23'	19.62'	S1°01'24"W	39.22'
C3	89°35'32"	20.00'	31.27'	19.86'	S43°39'14"W	28.18'
C12	5°45'16"	481.50'	48.36'	24.20'	N88°40'22"W	48.34'
C13	5°45'16"	518.50'	52.08'	26.06'	N88°40'22"W	52.05'
C14	85°46'02"	31.50'	47.15'	29.25'	N42°54'43"W	42.88'
C15	34°33'37"	31.50'	19.00'	9.80'	S17°15'06"W	18.71'
C16	154°53'16"	53.50'	144.63'	240.21'	N42°54'43"W	104.44'
C17	34°33'37"	31.50'	19.00'	9.80'	N76°55'27"E	18.71'

NOTE:
 1. LOT 220-223 WATER METERS TO BE LOCATED WITHIN P.U.E.
 2. DUAL SECONDARY WATER LATERALS FOR LOT 219-222 METERS TO BE LOCATED WITHIN P.U.E.
 3. NO STRUCTURES OR METERS TO BE LOCATED WITHIN EXISTING IRRIGATION EASEMENT.
 4. POWER, COMMUNICATIONS, & GAS TO BE PROVIDED/DESIGNED BY OTHERS.
 5. ALL UTILITIES CROSSING OVER OR UNDER EXISTING IRRIGATION MUST MAINTAIN 12" FROM TOP OR BOTTOM OF EXISTING IRRIGATION.
 6. SEWER PIPE & STRUCTURES, CULINARY WATER, & SECONDARY WATER MAINS SHOW FOR REFERENCE ONLY. MAINS ARE LOCATED WITHIN STREET.
 7. ALL UTILITIES CROSSING WITHIN EXISTING EASEMENTS MUST BE SLEEVED.
 8. 1" & 3/4" LATERALS TO BE INCASED WITH SCHEDULE 40 PVC PIPE.
 9. BUILDERS (LOT PURCHASERS) MUST OBTAIN AN "EASEMENT ENCROACHMENT AGREEMENT" FROM WBWCD/BOR, FOR DRIVEWAYS ON SPECIFIC LOTS.



- Construction Notes:**
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 SW/8 - 8" PVC C-900 DR-14 SECONDARY WATER LINE
 SW LAT - 1" SERVICE LATERAL W/ 1" METER (SINGLE SERVICE)
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REVISIONS	DESCRIPTION

The Grove at JDC Ranch Subdivision Phase 1 & 2
 WEBER COUNTY, UTAH

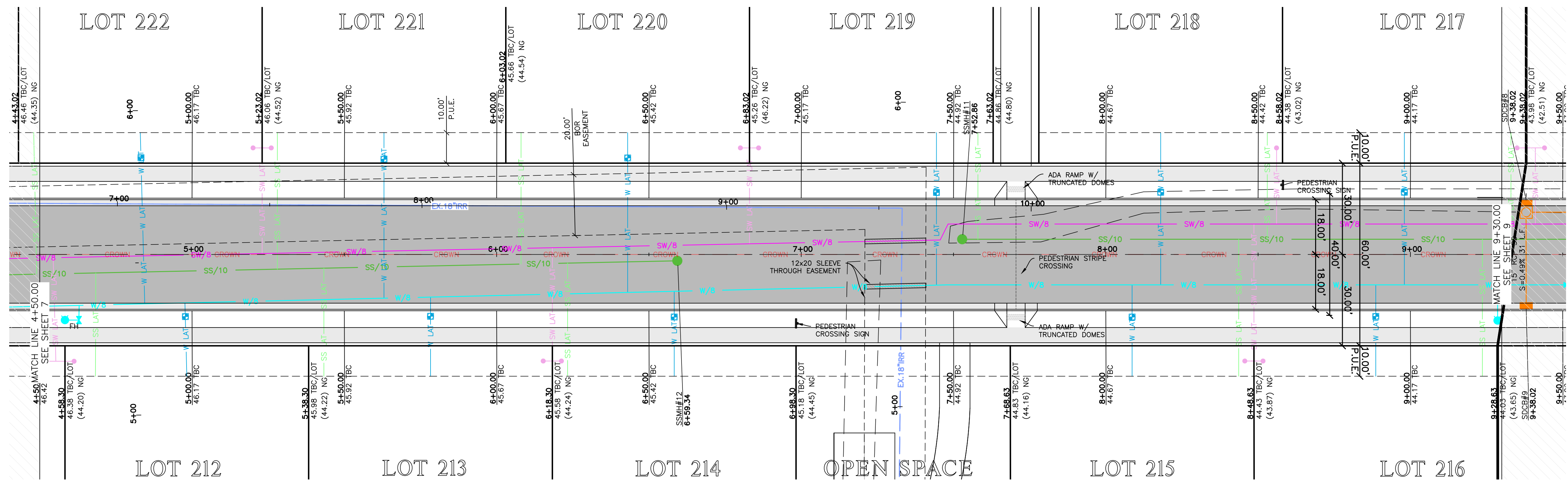
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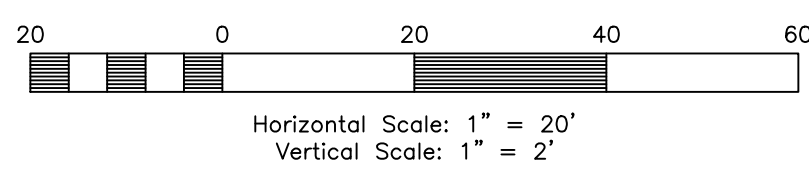
Project Info.
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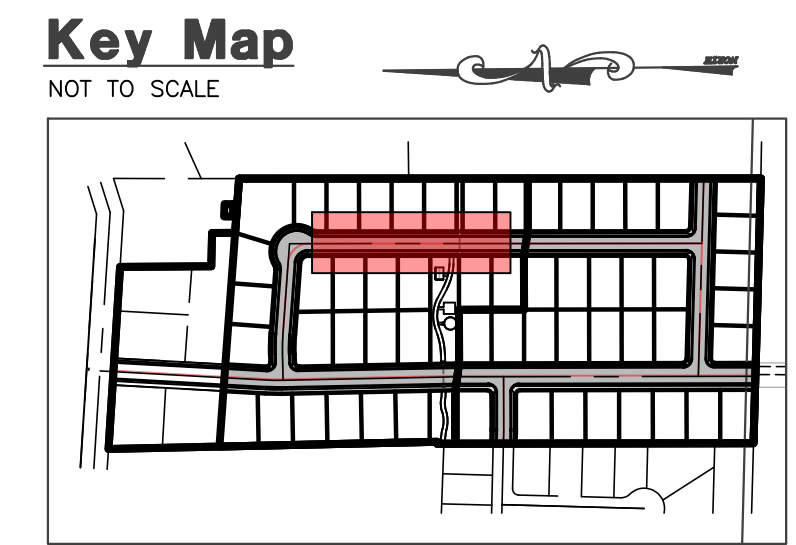
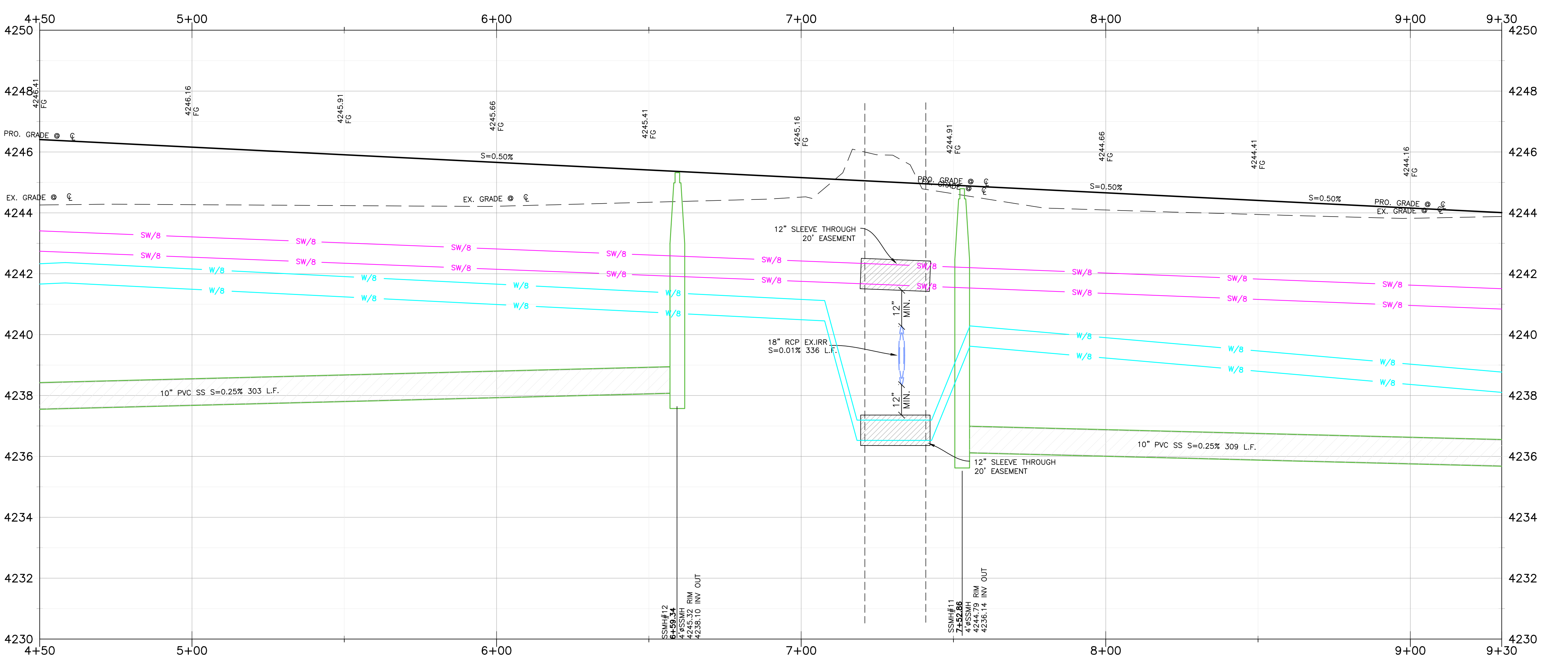
LOT 222 LOT 221 LOT 220 LOT 219 LOT 218 LOT 217



2825 West 4+50.00 - 9+30.00



NOTE:
1. LOT 420-423 WATER METERS TO BE LOCATED WITHIN P.U.E.
2. DUAL SECONDARY WATER LATERALS FOR LOT 419-422 METERS TO BE LOCATED WITHIN P.U.E.
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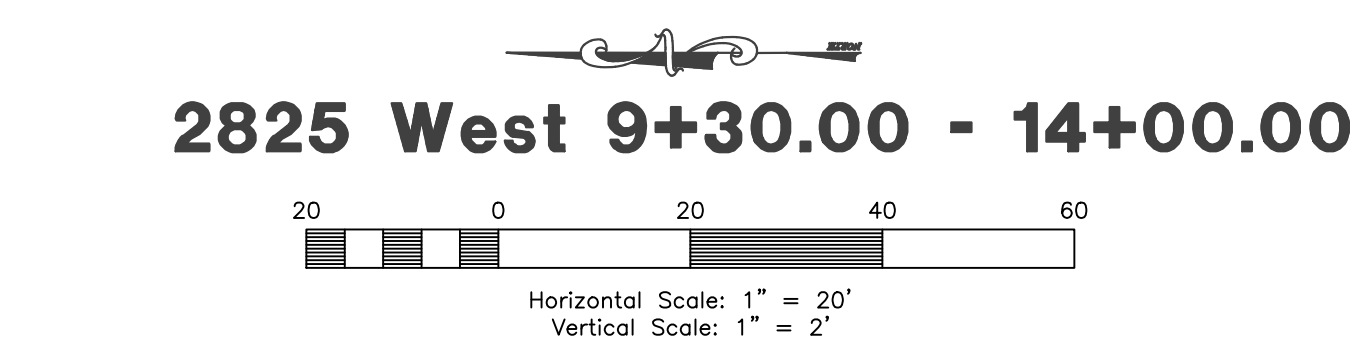
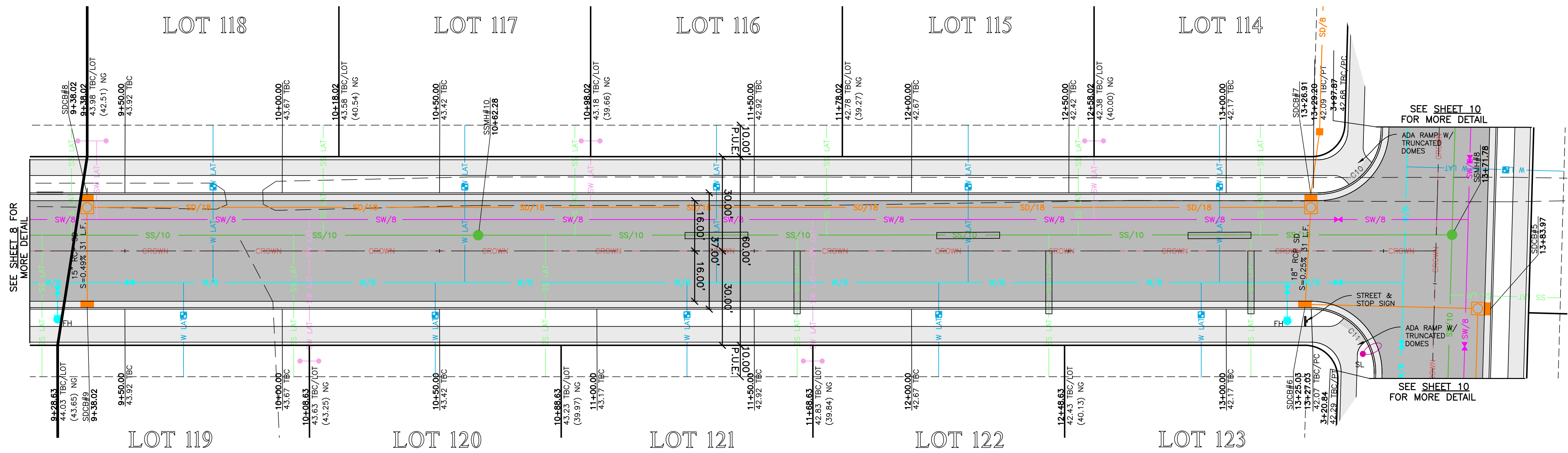
**The Grove at JDC Ranch Subdivision
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WEBER COUNTY, UTAH

2825 West 4+50.00 - 9+30.00



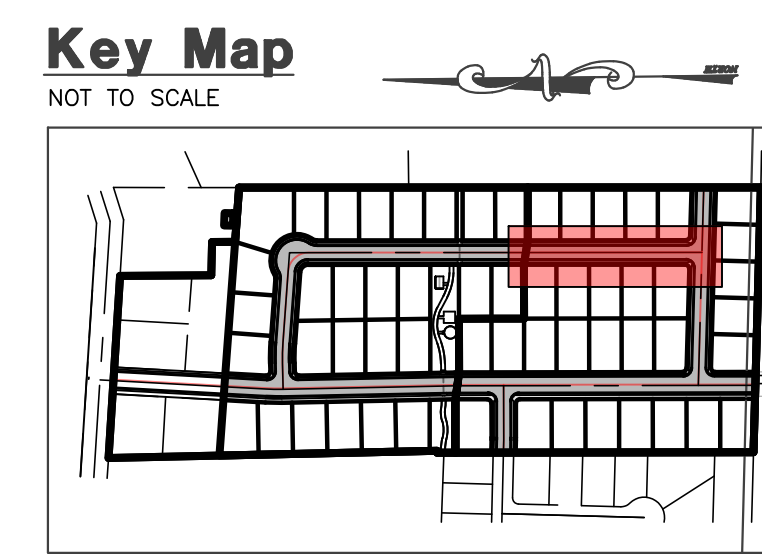
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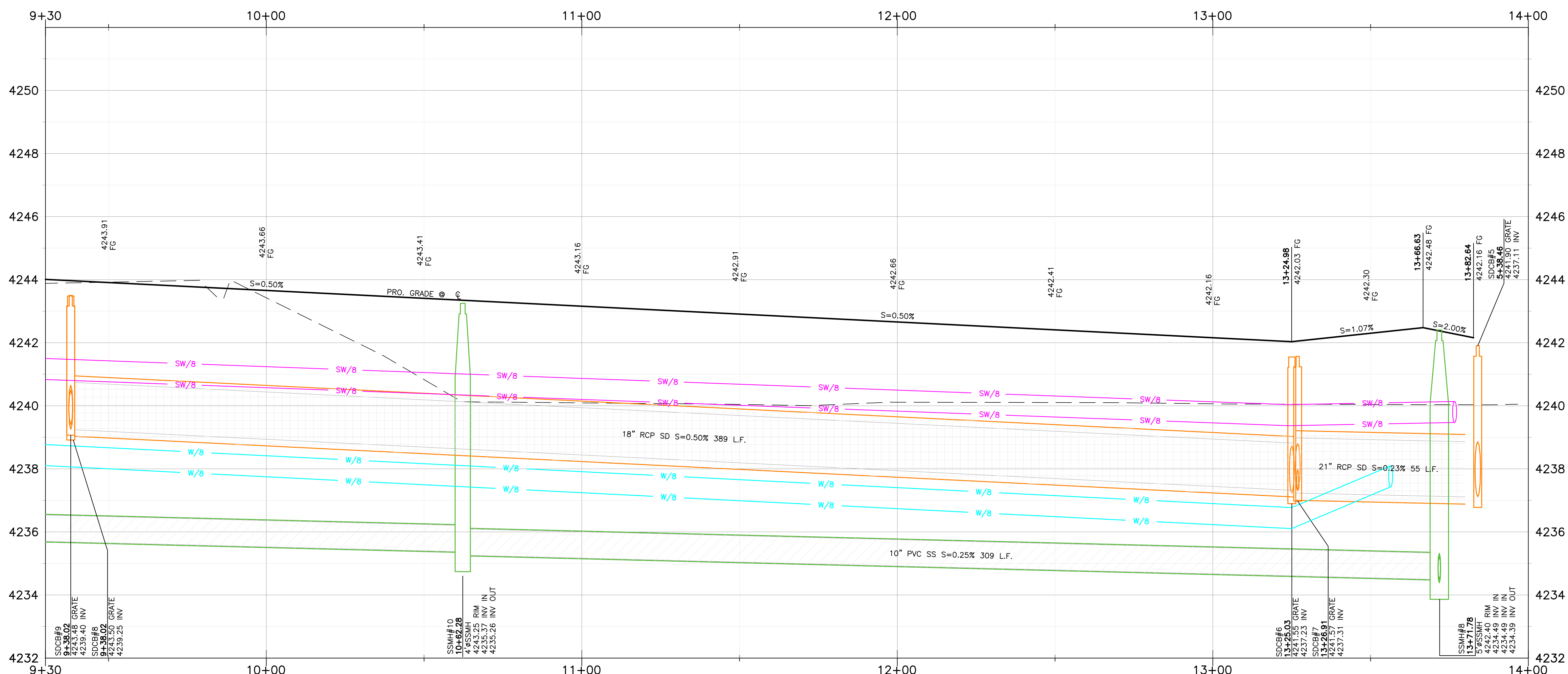
TBC Curve Data

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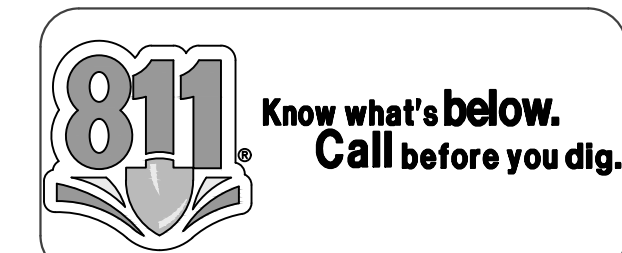
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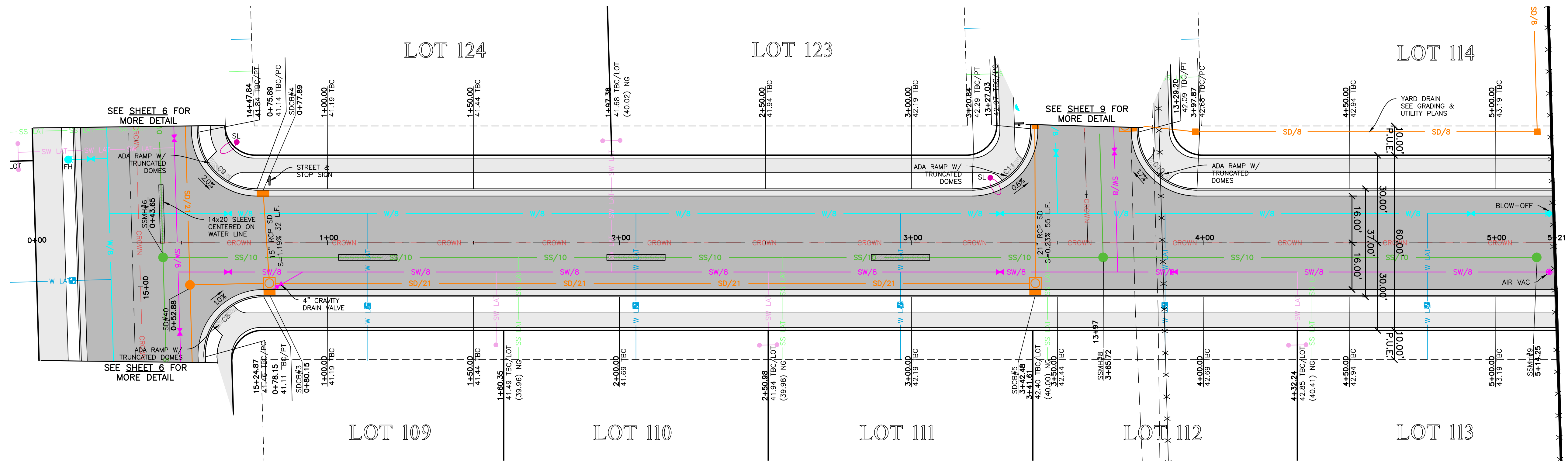
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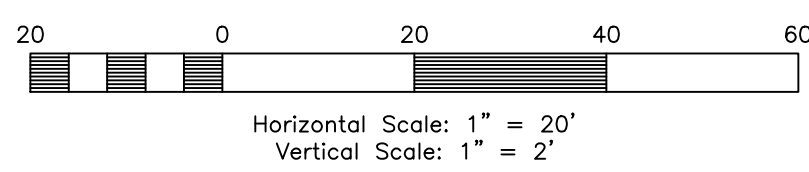
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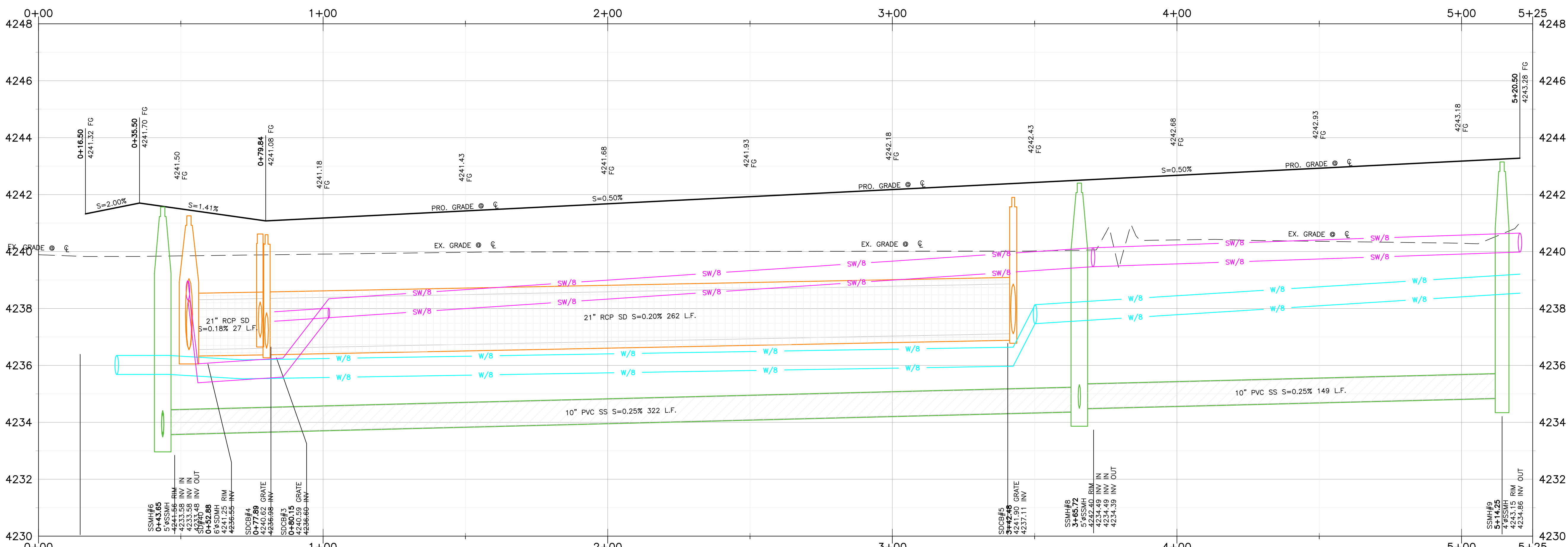


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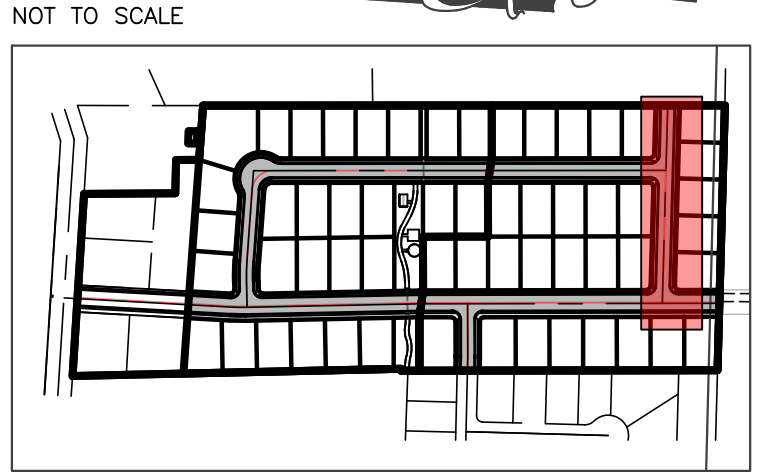


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 - DEPTH OF WATER TO BE 4' MIN. BELOW FINISHED GRADE.
 - CULINARY WATER TO BE INSTALLED PER BONA VISTA STANDARDS.
 - ALL EXISTING DITCHES THAT ARE BEING FILLED IN, MUST HAVE STRUCTURAL FILL IN ALL RIGHT-OF-WAY AND BUILDING FOOTPRINTS.
 - PVC SLEEVES TO BE INSTALLED UNDER PATHWAY FOR SPRINKLER USE.
 - CONTRACTOR TO INSTALL ALL SLEEVES AS REQUIRED FOR THE RESIDENTIAL DEVELOPMENT.
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 - 24" PIPE CAN BE USED WHERE 21" PIPE IS CALLED OUT. UTILIZE CHEAPEST OPTION.

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REVISIONS

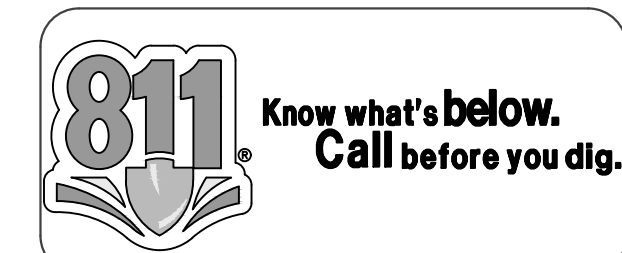
NO.	DESCRIPTION	DATE

The Grove at JDC Ranch Subdivision Phase 1 & 2
WEBER COUNTY, UTAH

3050 North 0+00.00 - 4+50.00



Project Info.
Engineer: J. NATE REEVE, P.E.
Drafter: N. FICKLIN
Begin Date: MARCH 2022
Name: THE GROVE AT JDC RANCH SUBDIVISION PHASE 1 & 2
Number: 7152-14

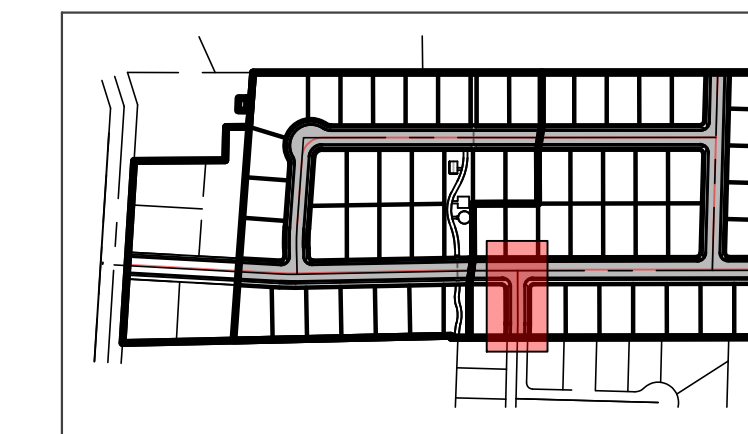


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Key Map

NOT TO SCALE



Construction Notes:

CULINARY WATER

NOTE: 4' MIN. COVER REQUIRED OVER CW LINES
 W/8 - 8" DIP W/POLY WRAP WATER LINE
 W LAT - 1" TYPE K COPPER SERVICE LATERAL

SANITARY SEWER

SS/10 - 10" PVC SDR-35 SEWER LINE
 SS/12 - 12" PVC SDR-35 SEWER LINE
 SS LAT - 4" PVC SDR-35 SERVICE LATERAL

STORM DRAIN

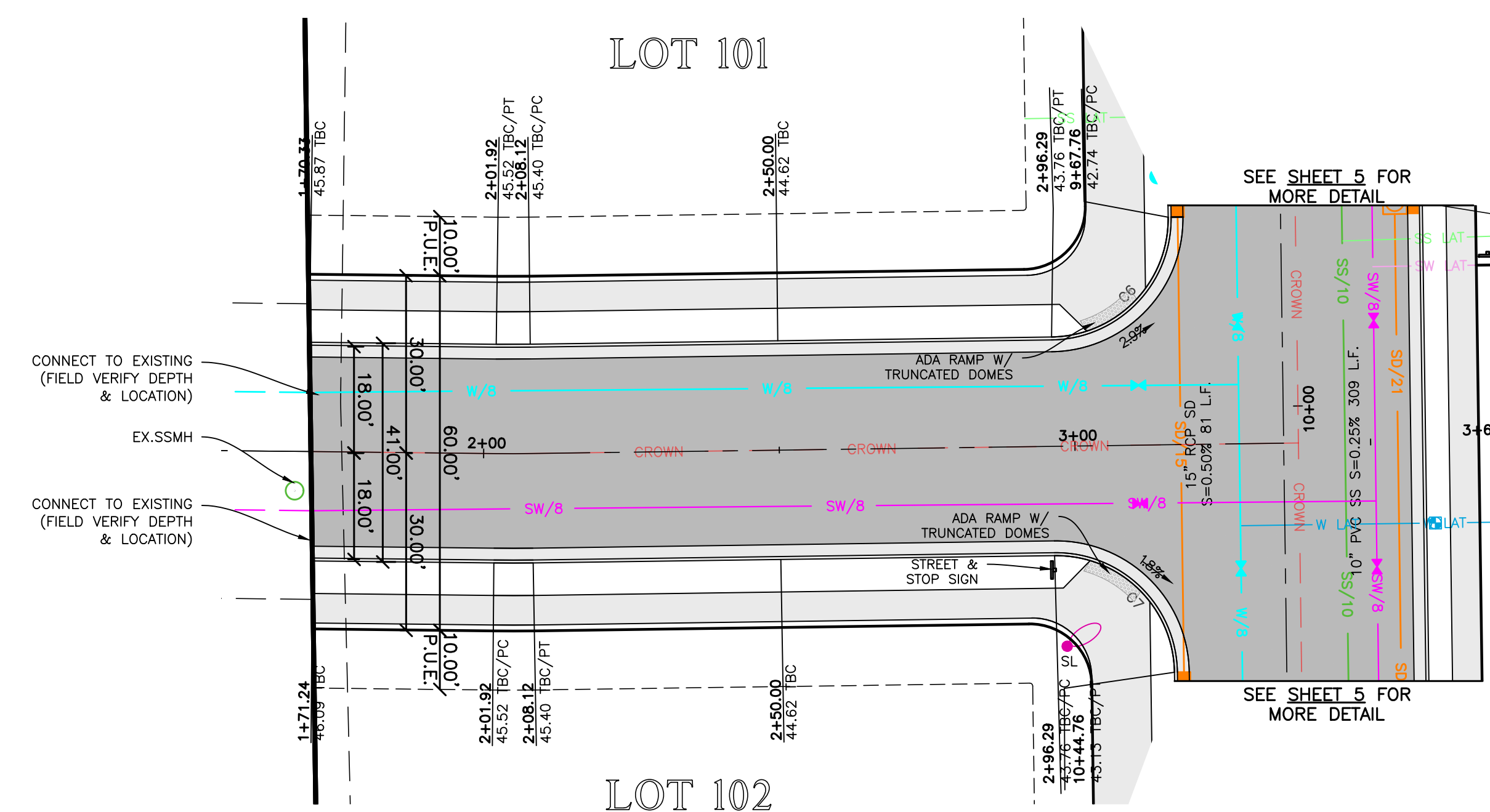
SD/30 - 30" RCP CLASS III STORM DRAIN
 SD/24 - 24" RCP CLASS III STORM DRAIN
 SD/21 - 21" RCP CLASS III STORM DRAIN
 SD/18 - 18" RCP CLASS III STORM DRAIN
 SD/15 - 15" RCP CLASS III STORM DRAIN
 SD/8 - 8" PVC YARD DRAIN
 SD/6 - 6" PVC YARD DRAIN

SECONDARY WATER

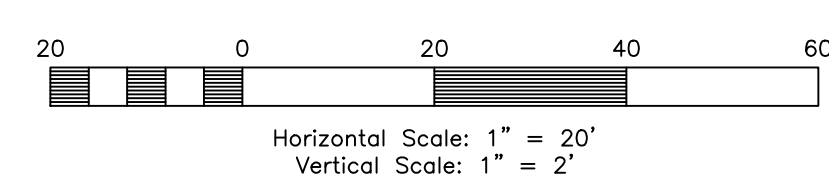
SW/8 - 8" PVC C-900 DR-14 SECONDARY WATER LINE
 SW LAT - 1" SERVICE LATERAL W/ 1" METER (SINGLE SERVICE)
 SW LAT - 1.5" SERVICE LATERAL W/ 1" METER (DOUBLE SERVICE)

NOTE:

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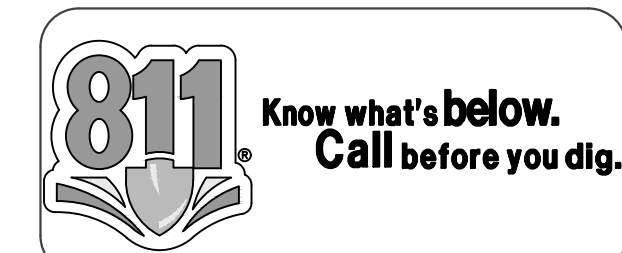
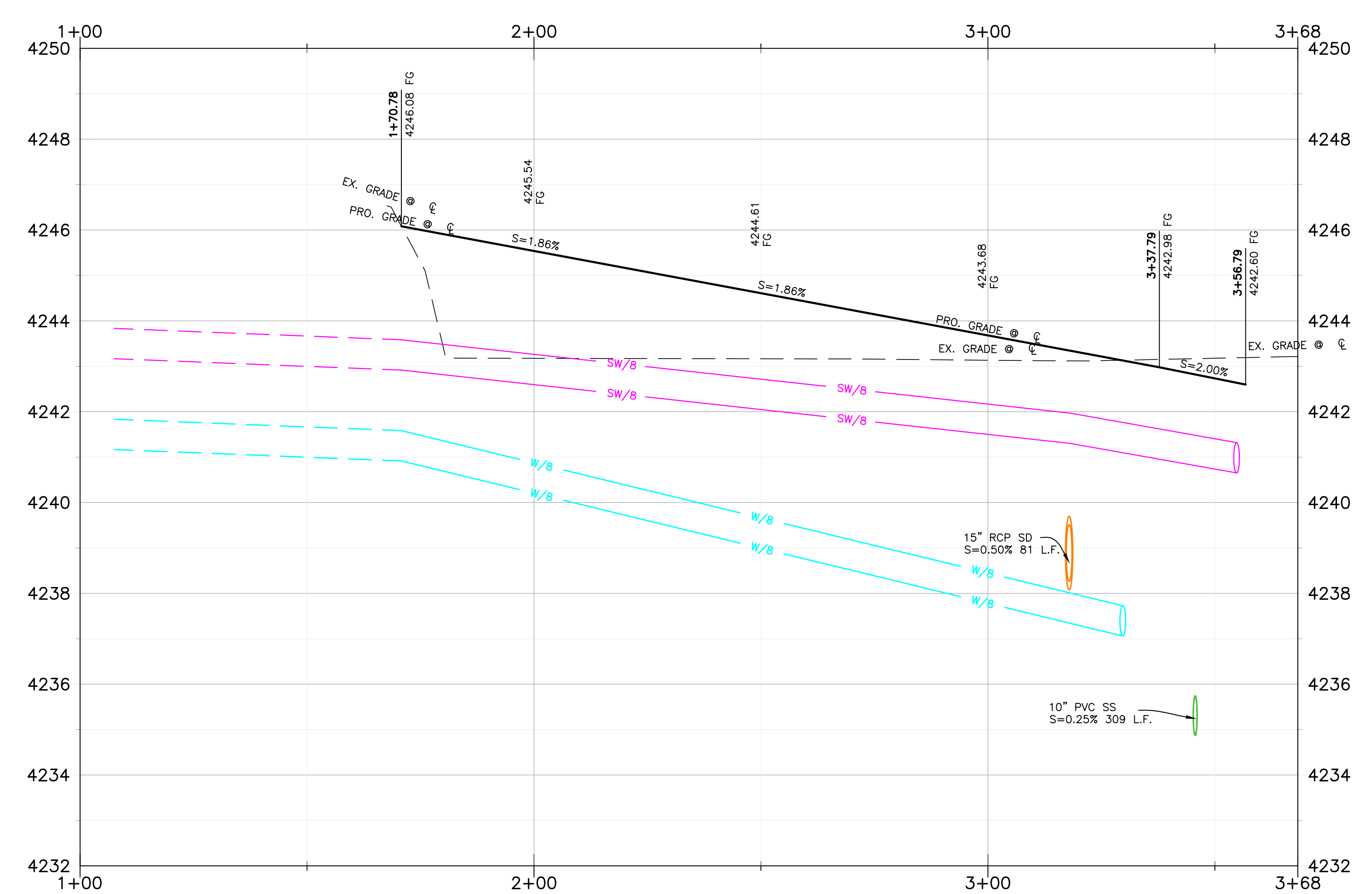


**3150 North Street
 1+00.00 - 3+68.29**



TBC Curve Data

#	Delta	Radius	Length	Tangent	Chord	CH Length
C6	90°00'00"	20.00'	31.42'	20.00'	N44°54'16"E	28.28'
C7	90°00'00"	20.00'	31.42'	20.00'	N45°05'44"W	28.28'



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REVISIONS	DESCRIPTION
DATE	

**The Grove at JDC Ranch Subdivision
 Phase 1 & 2**
 WEBER COUNTY, UTAH

3150 North Street 1+00.00 - 3+68.29



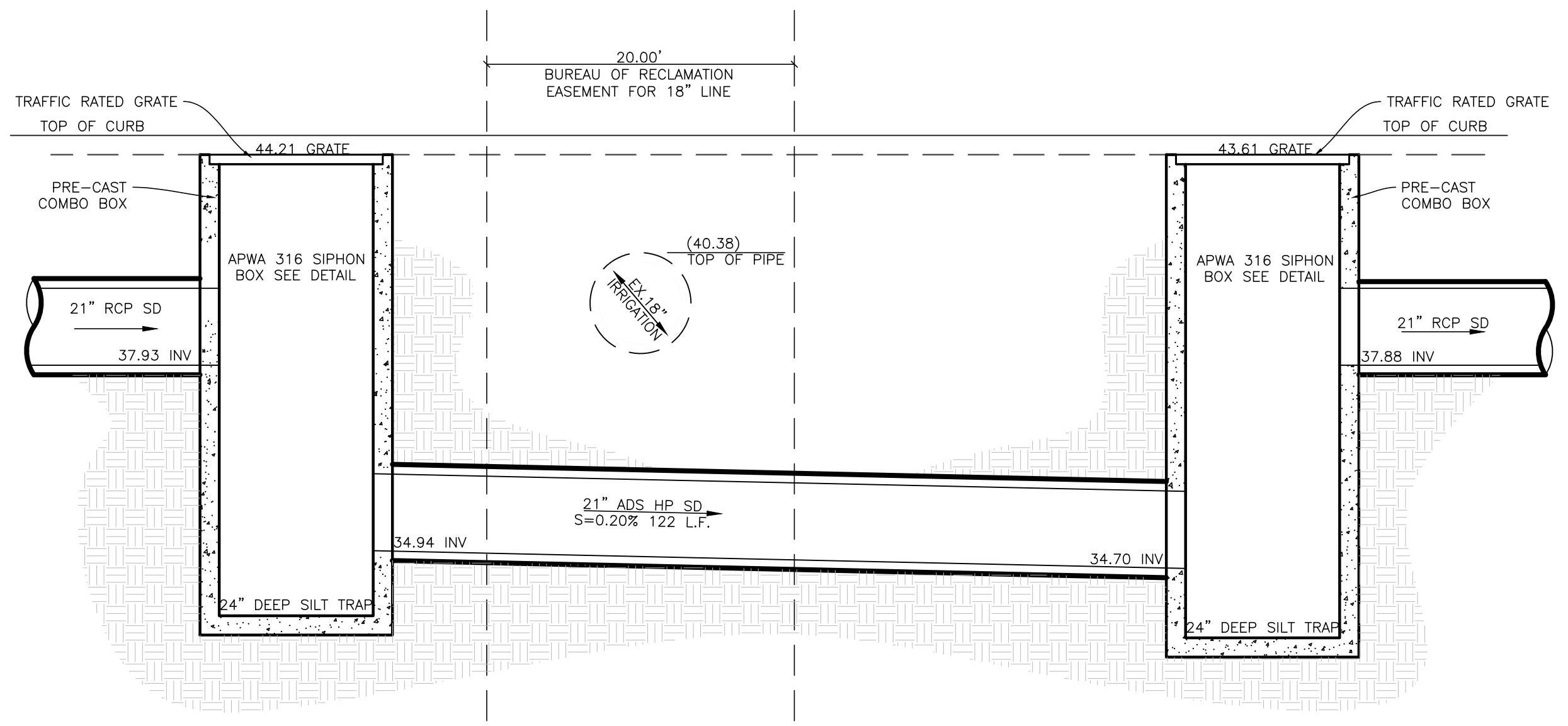
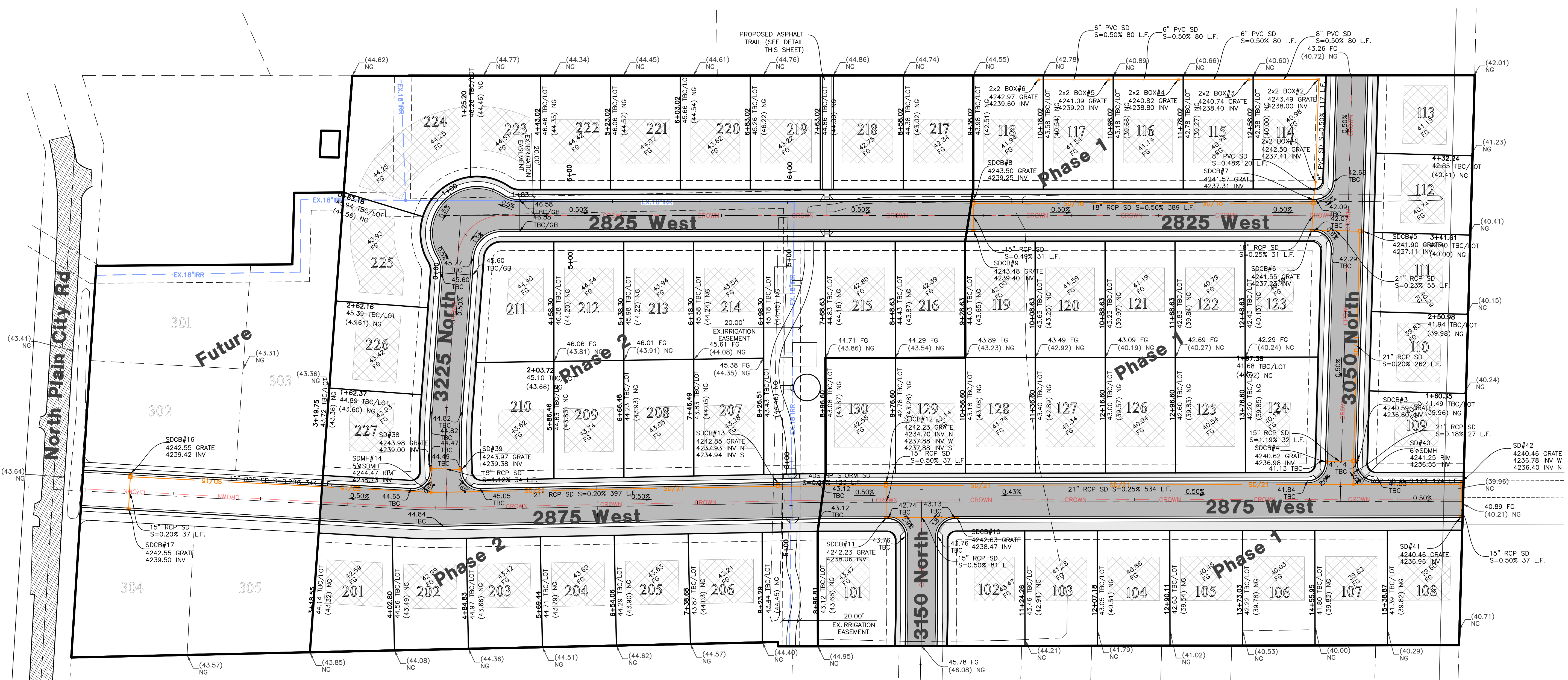
Project Info.
 Engineer: J. NATE REEVE, P.E.
 Drafter: N. FICKLIN
 Begin Date: MARCH 2022
 Name: THE GROVE AT JDC RANCH SUBDIVISION PHASE 1 & 2
 Number: 7152-14

Table with 2 columns: REVISIONS, DESCRIPTION. Includes a date column.

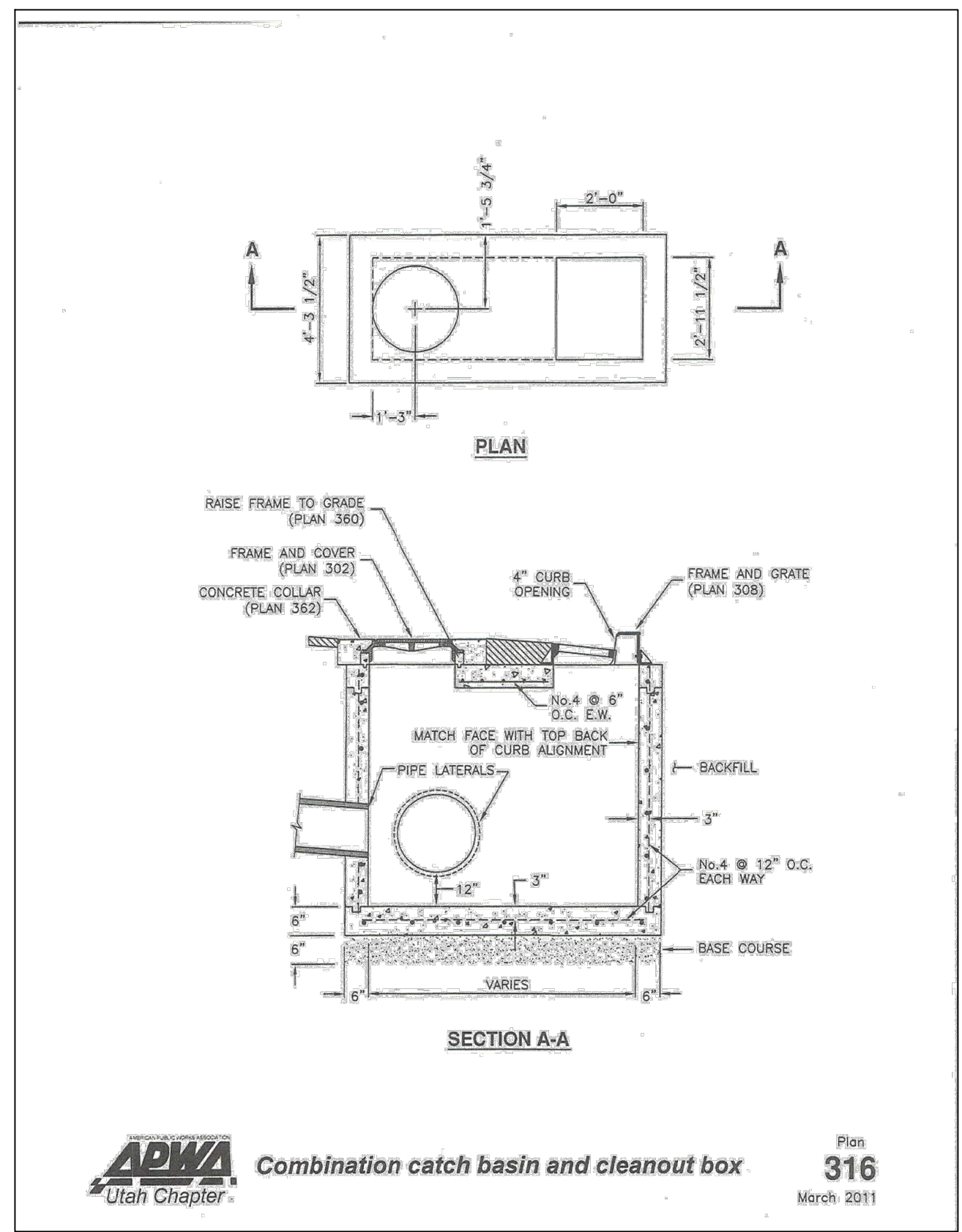
The Grove at JDC Ranch Subdivision Phase 1 & 2 WEBER COUNTY, UTAH Grading Plan



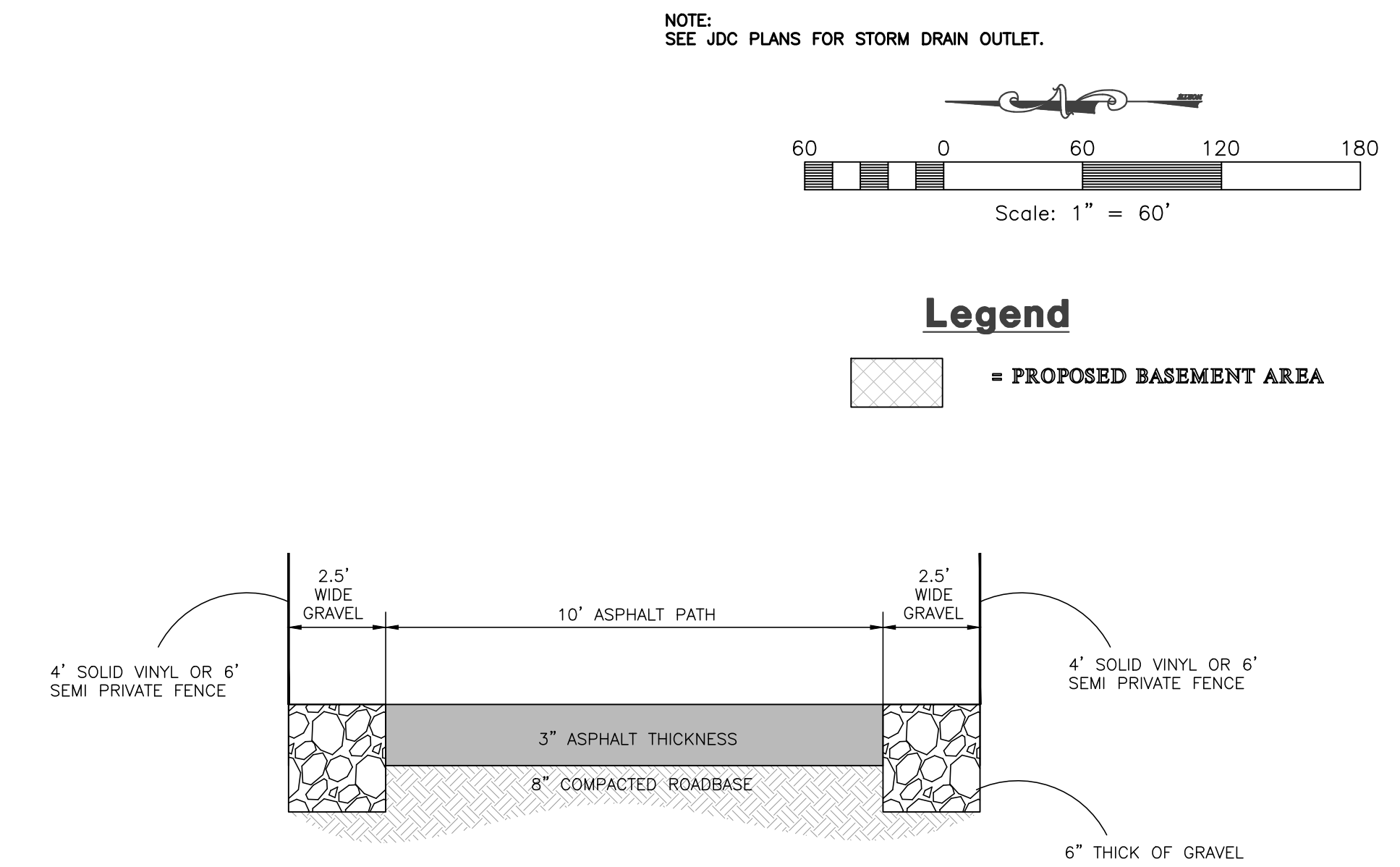
Project Info. Engineer: J. NATE REEVE, P.E. Drafter: N. FICKLIN Begin Date: MARCH 2022 Name: THE GROVE AT JDC RANCH SUBDIVISION PHASE 1 & 2 Number: 7152-14



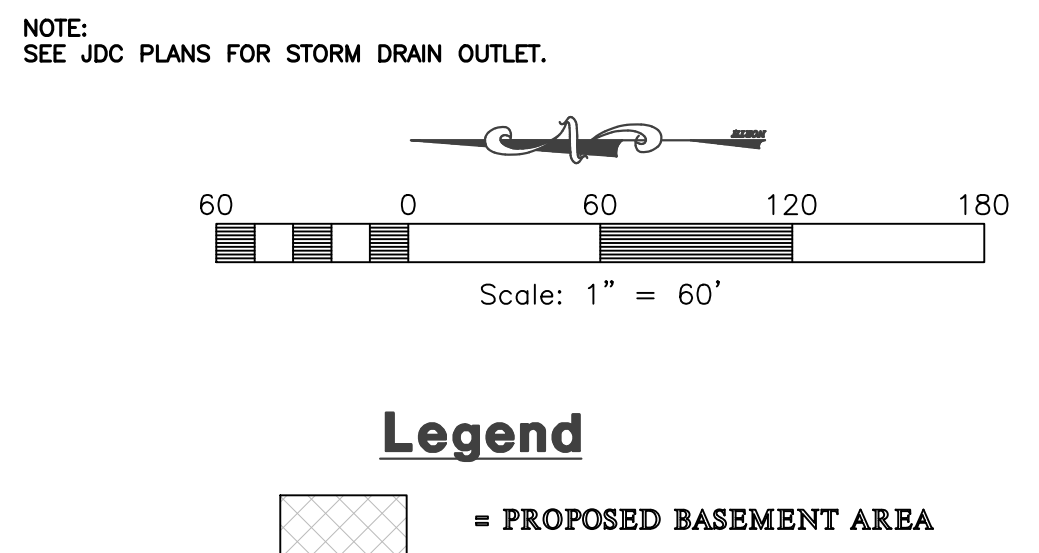
Storm Drain Siphon Detail SCALE: NONE

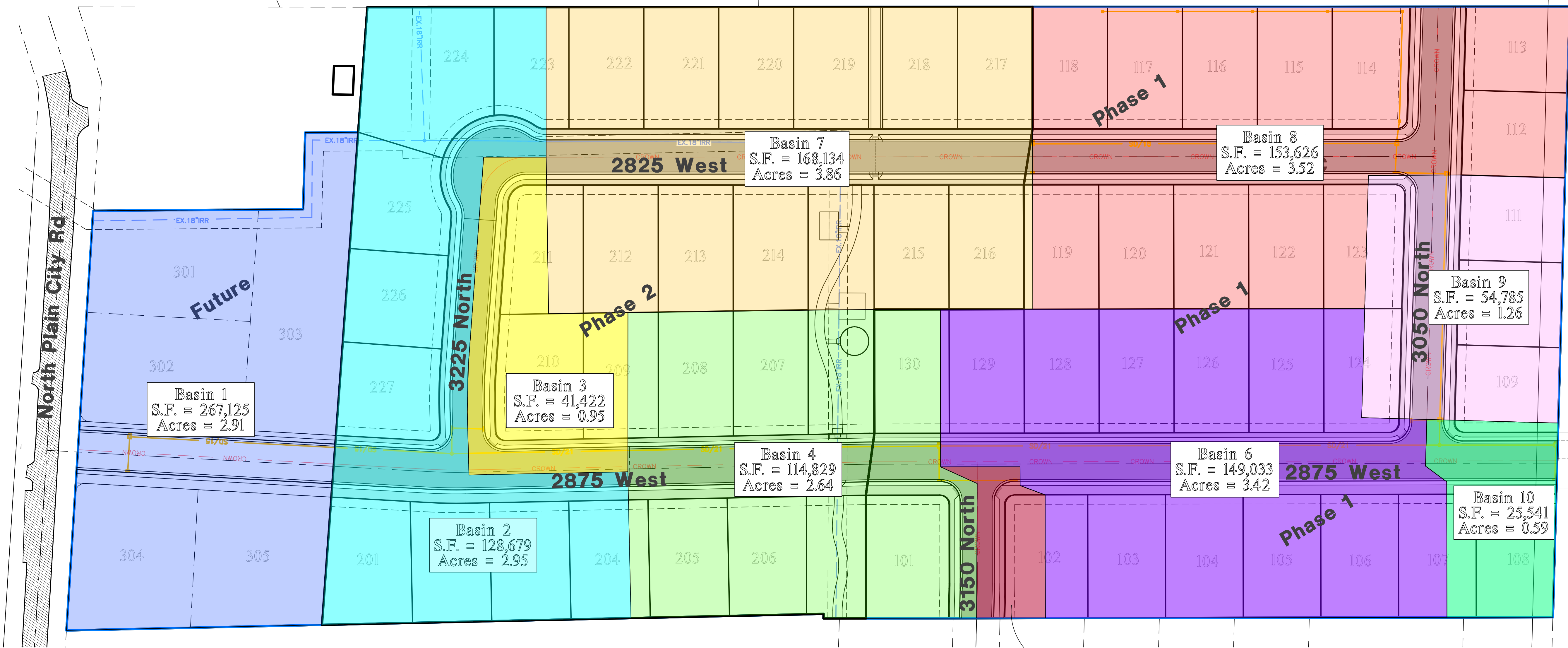


APWA Utah Chapter Combination catch basin and cleanout box 316 March 2011



15' Trail Easement Detail SCALE: NONE





Storm Runoff Calculations
JDC at West Ridge - Phase 1-2
7152-14 4/20/2023

The following runoff calculations are based on the Rainfall - Intensity - Duration Frequency Curve for the Weber County, UT area taken from the NOAA Atlas 14 database. Calculations have been completed for the 100-yr 24-hr storm event. Storm water runoff has been calculated for a fully developed site and full retention, as the stormwater will be conveyed and retained in a temporary basin.

The calculations are as follows:

Drainage Area:

Total Area	=	22.37 acre or	974,439 ft ²
Runoff Coefficients			
Paved Area		268,611	C = 0.9
Roof		178,800	C = 0.9
Landscaped Area		526,028	C = 0.2
Weighted Runoff Coefficient			C = 0.52

LID Retention

80 th Percentile Rainfall Event (d)		0.48 in
Is the site Feasible for LID?	Yes	
Site Imperviousness (I)	0.46	
NCEC Soil Group	A	
Rv Equation	0.84 ¹⁺³⁰²	
Rv (Soil Group A: 0.84 ¹⁺³⁰² ; B: 0.84 ¹⁺¹⁶⁹ ; C/D: 0.83 ¹⁺¹²²)	0.31	
V _{ret} = Rv x Total Site SF	11,918	c.f.

Rainfall Intensities:

10-yr intensity for a 30 minute Storm Event	1.38	in/hr
---	------	-------

Peak Run-off:

Runoff Coefficient	C =	0.52
Rainfall Intensity	I =	1.38 IN/HR
Area	A =	22.37 ACRES
Q	Q =	16.12 cfs

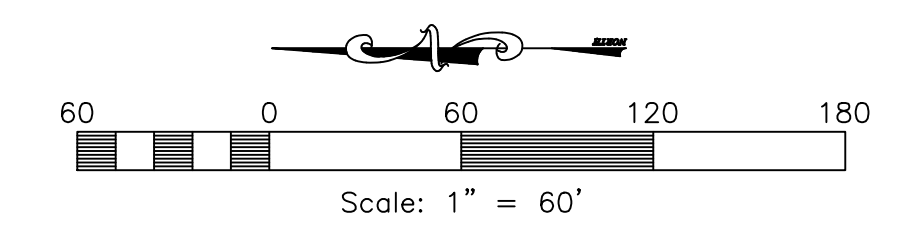
Cumulative

Drainage Basin	Area (acres)	Q (cfs) 10-yr	Min Pipe Size
1	2.91	2.10	15
2	2.95	2.21	16
3	0.95	0.91	21
4	2.64	0.81	21
5	0.27	0.70	21
6	3.42	0.47	30
7	3.86	0.28	18
8	3.52	0.32	21
9	1.28	0.23	21
10	0.59	0.12	30

Volume of Run-off for 100-year Storm Event:

C =	0.52					
I =	See Below in/hr					
A =	974,439.00 ft ²					
Q(out) =	0.00 ft ³ /s (full retention)					
time (min)	time (sec)	I (in/hr.)	Q (cfs)	Vol. in (cft)	Vol. out (cft)	Difference (cft)
0	0	0.00	0.00	0	0	0
5	300	0.65	76.32	23496	0	23496
10	600	0.06	59.59	36756	0	36756
15	900	4.18	49.23	44306	0	44306
30	1800	2.91	33.08	65659	0	65659
60	3600	1.74	20.49	73772	0	73772
120	7200	0.96	11.31	81404	0	81404
180	10800	0.65	7.73	83439	0	83439
360	21600	0.366	4.31	93106	0	93106
720	43200	0.223	2.63	113457	0	113457
1440	86400	0.123	1.45	125159	0	125159

SUMMARY:
The required 100-yr storage volume is 125,159 cubic feet
The required LID Retention volume is 11,918 cubic feet



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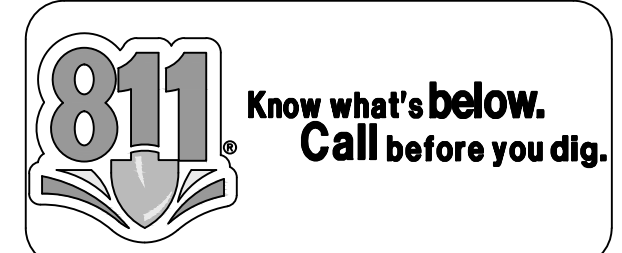
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DATE	

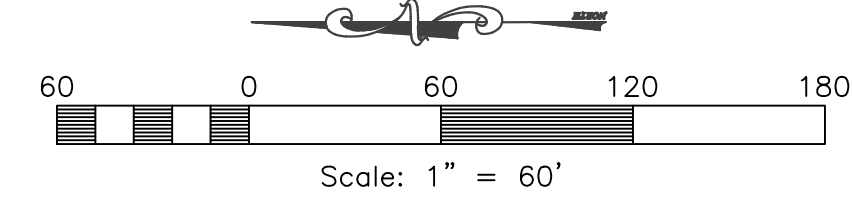
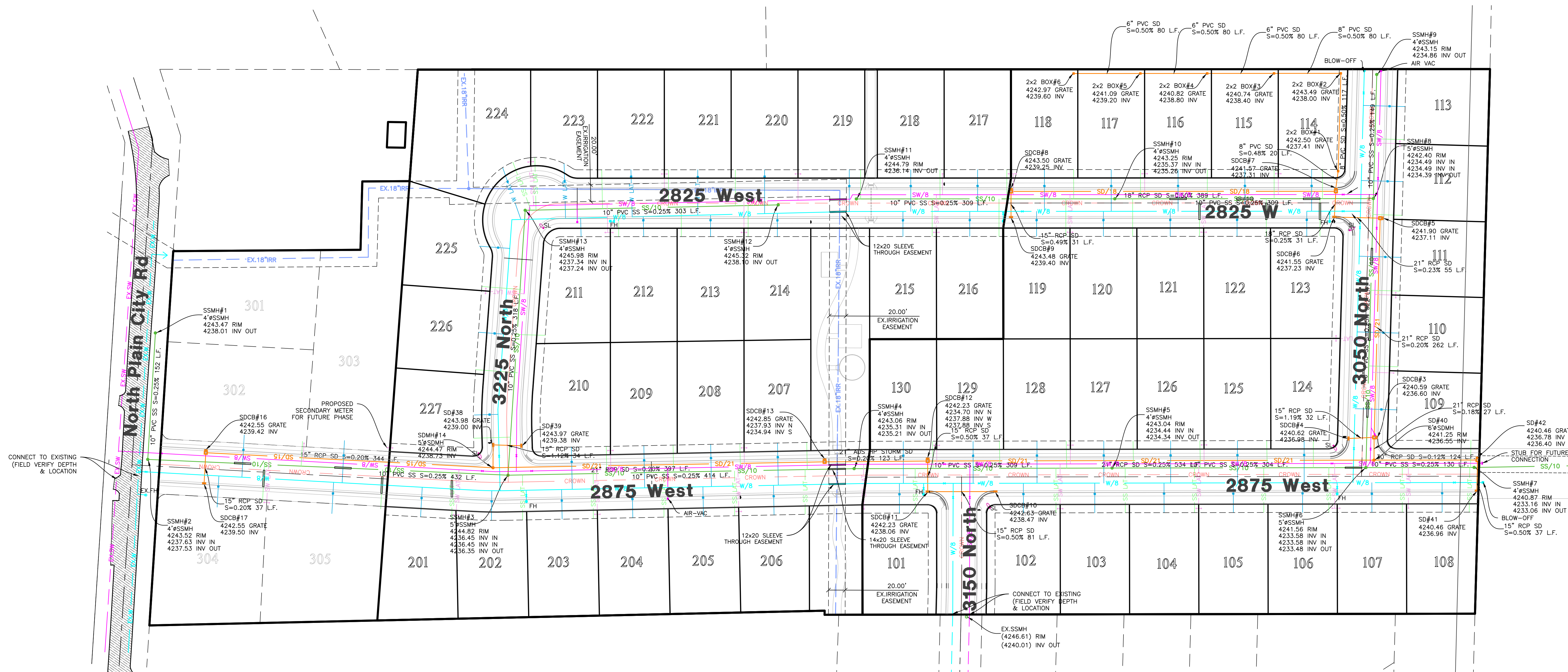
The Grove at JDC Ranch Subdivision
Phase 1 & 2
WEBER COUNTY, UTAH

Site Drainage Area Plan



Project Info.
Engineer: J. NATE REEVE, P.E.
Drafted: N. FICKLIN
Begin Date: MARCH 2022
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REVISIONS	DESCRIPTION

The Grove at JDC Ranch Subdivision
Phase 1 & 2
 WEBER COUNTY, UTAH

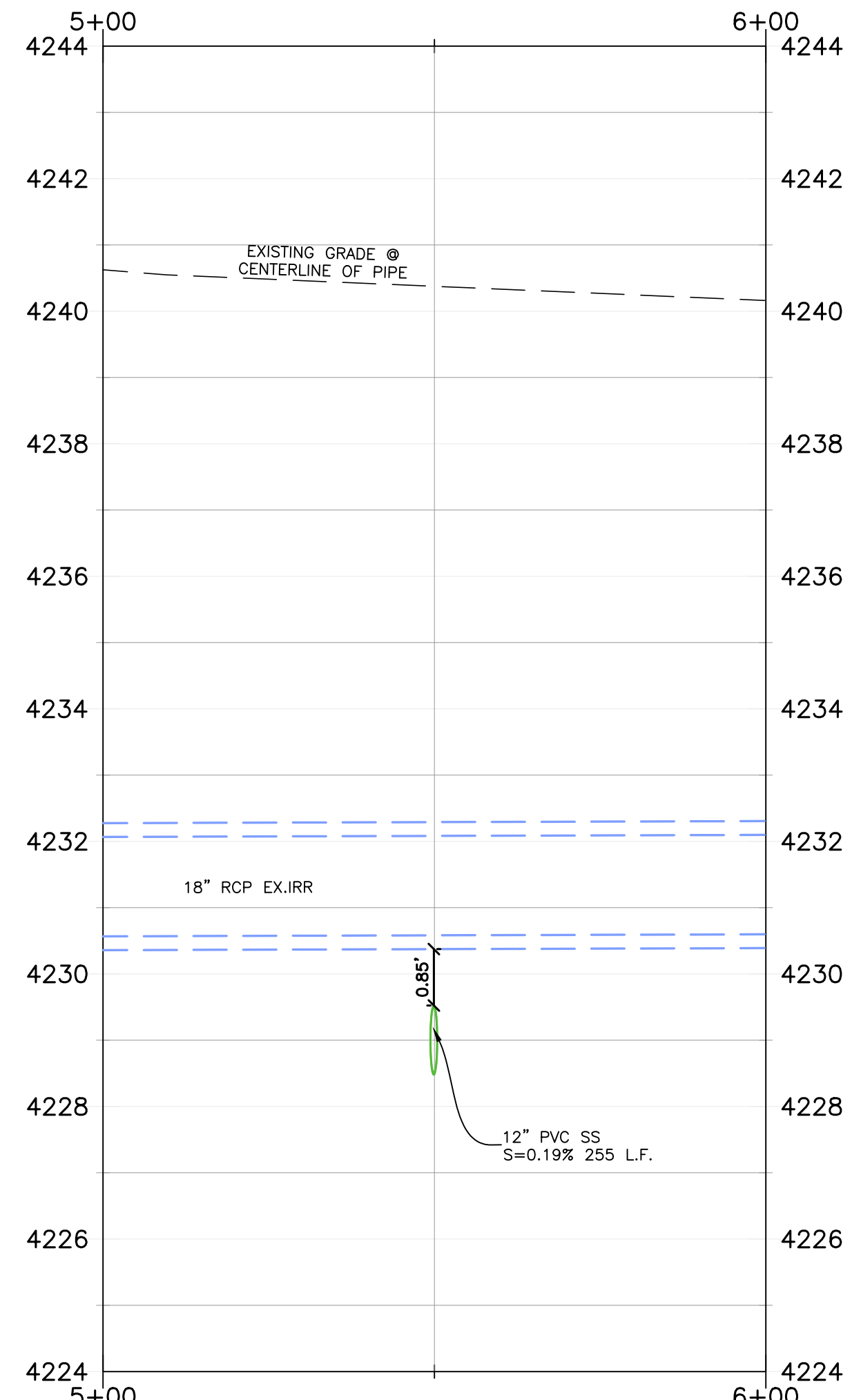
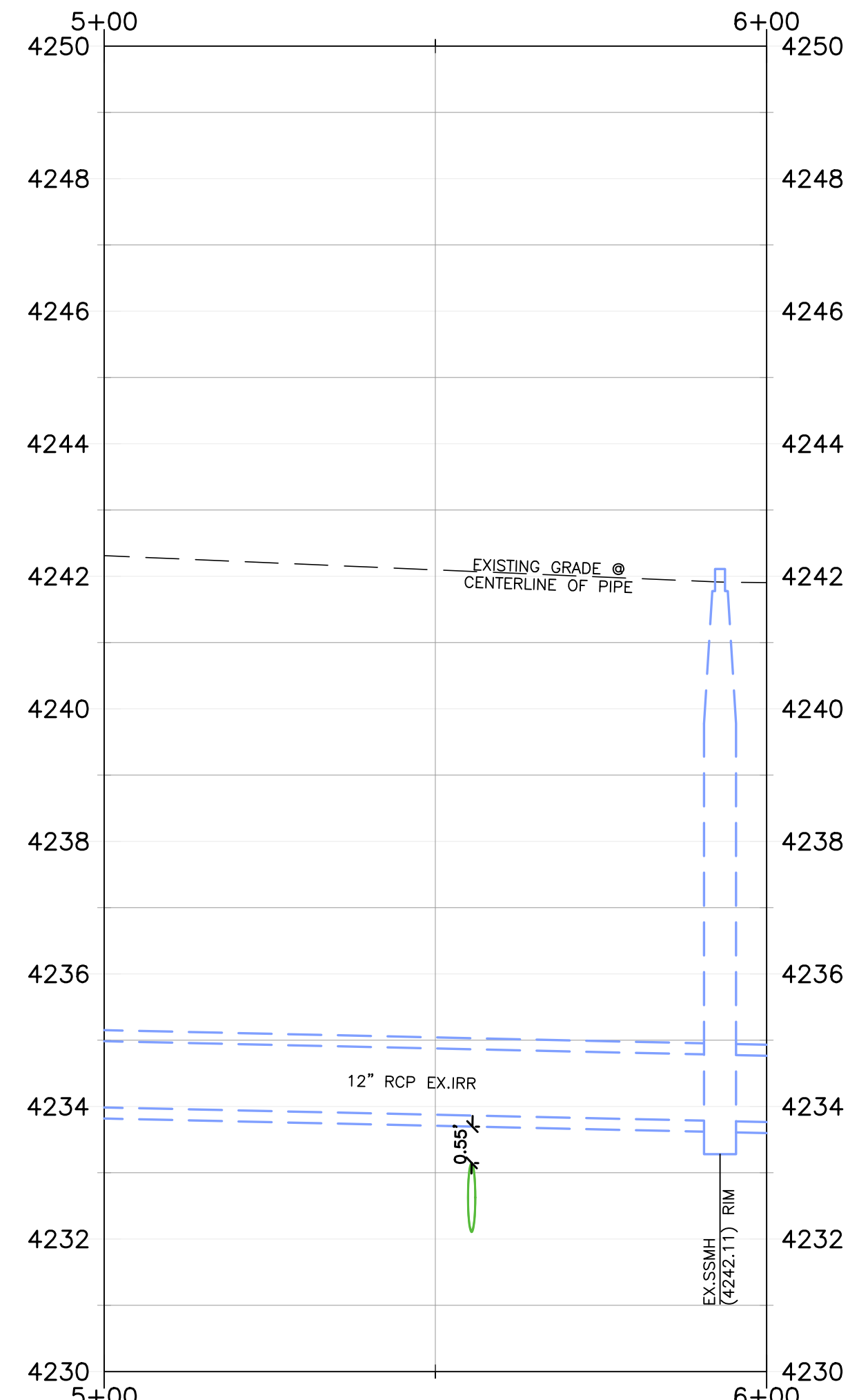
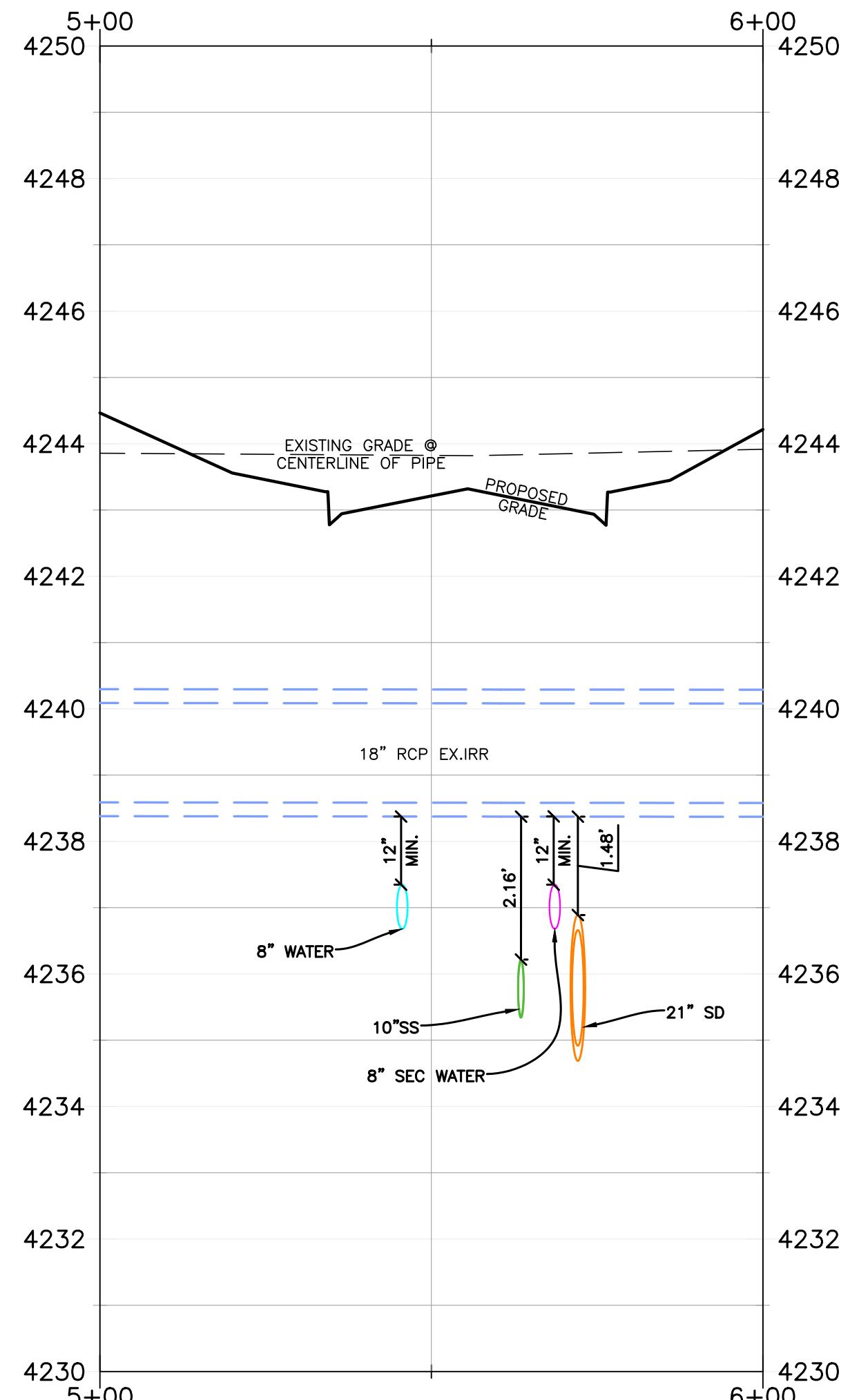
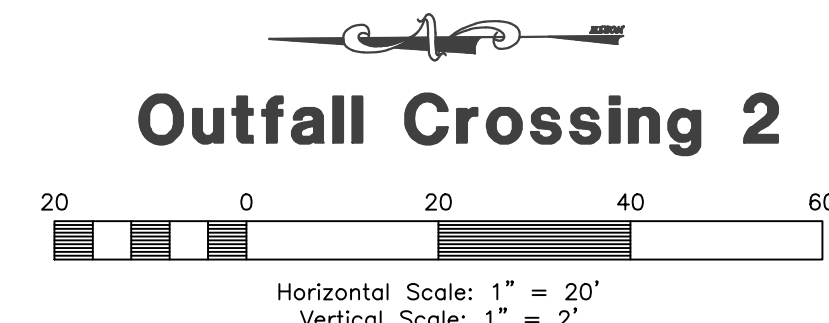
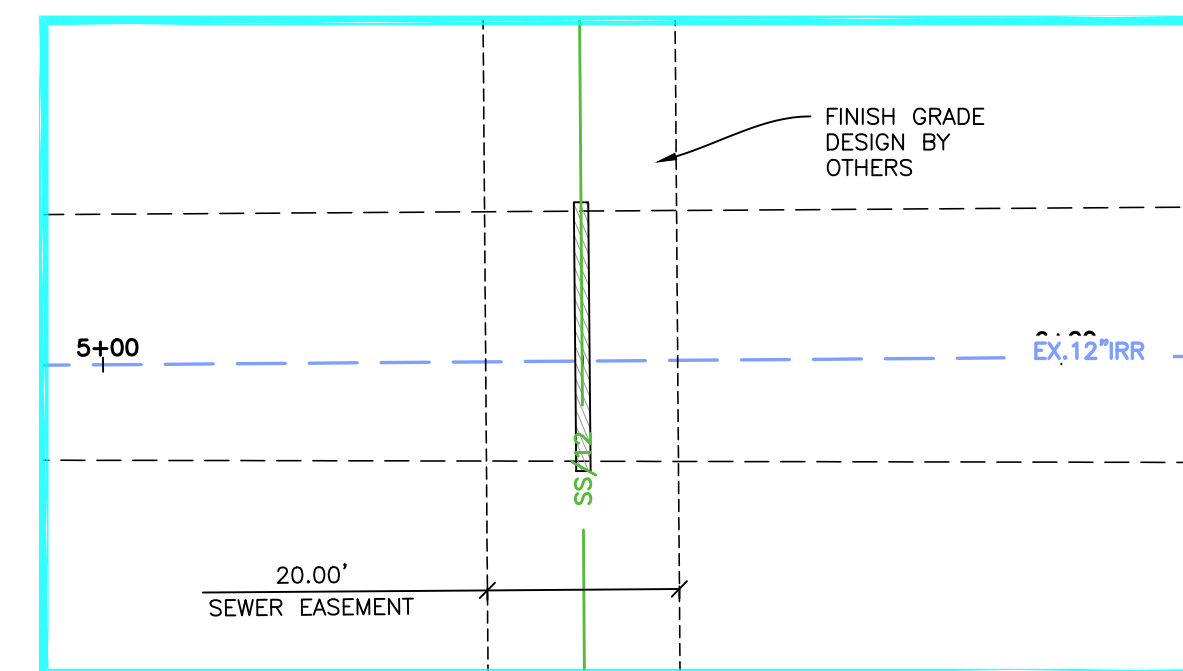
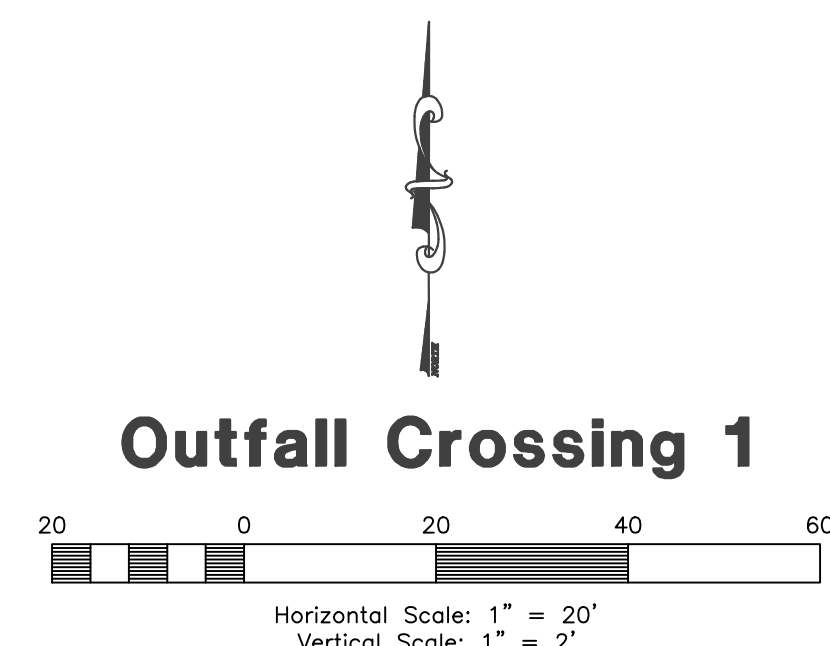
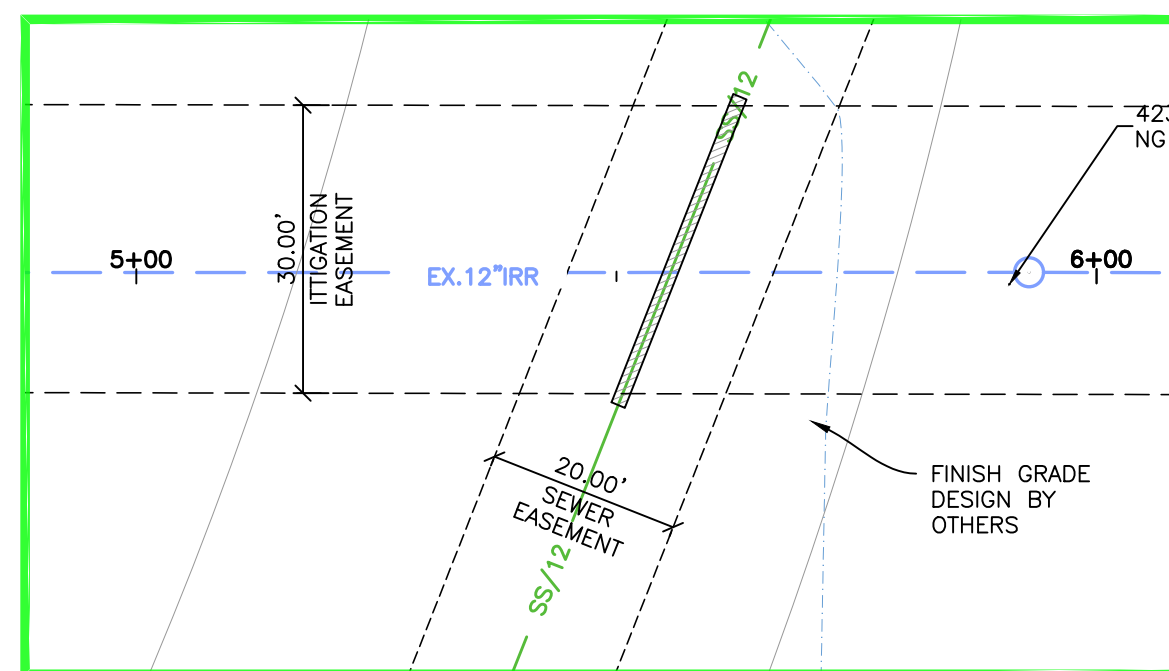
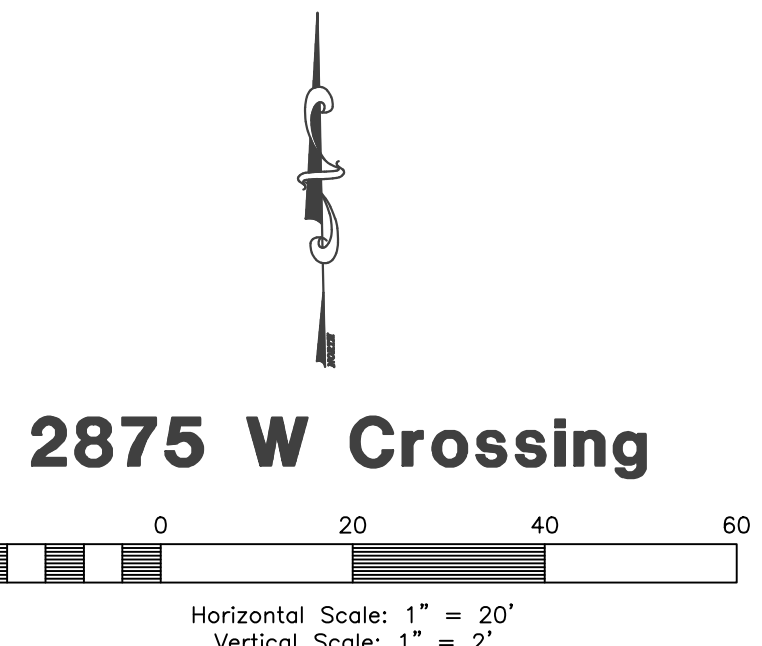
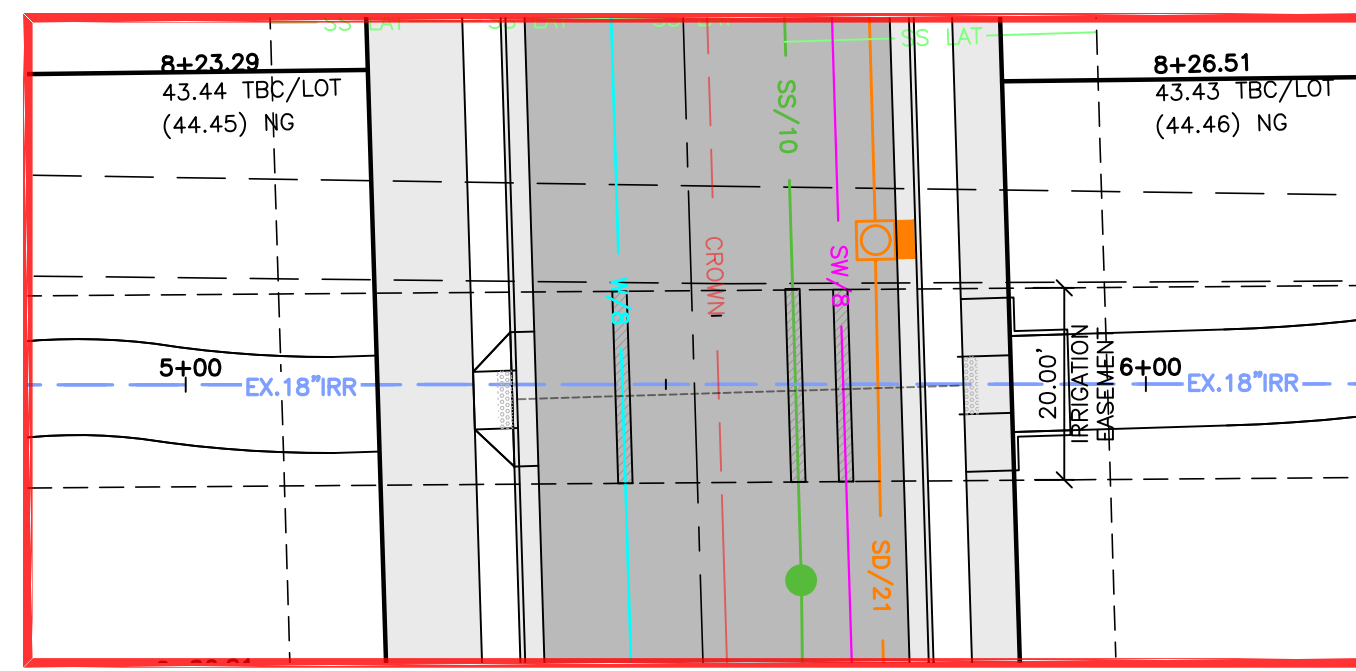
Utility Plan



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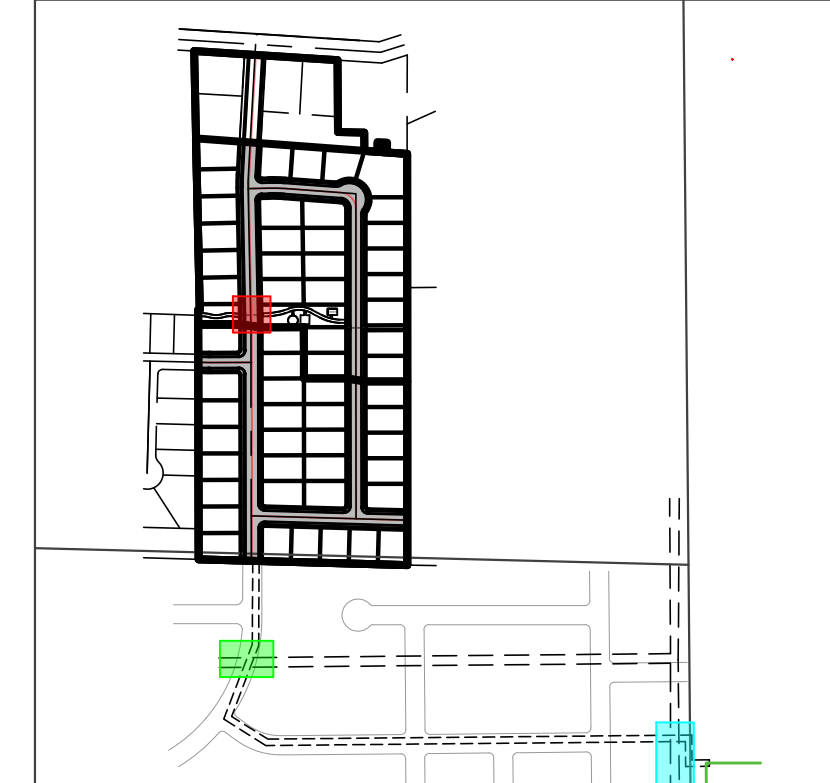
Notice:
 THESE PLANS WERE CREATED UTILIZING COLORS FOR UTILITIES & OTHER INFRASTRUCTURE. IF PRINTED IN, OR COPIED TO BLACK & WHITE, SOME LINE WORK MAY NOT SHOW UP PROPERLY.





Key Map

NOT TO SCALE



Construction Notes:

- CULINARY WATER**
NOTE: 4' MIN. COVER REQUIRED OVER CW LINES
W/8 - 8" DIP W/POLY WRAP WATER LINE
W LAT - 1" TYPE K COPPER SERVICE LATERAL
- SANITARY SEWER**
SS/10 - 10" PVC SDR-35 SEWER LINE
SS/12 - 12" PVC SDR-35 SEWER LINE
SS LAT - 4" PVC SDR-35 SERVICE LATERAL
- STORM DRAIN**
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SD/8 - 8" PVC YARD DRAIN
SD/6 - 6" PVC YARD DRAIN
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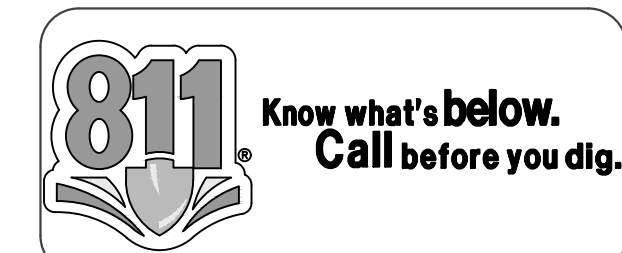
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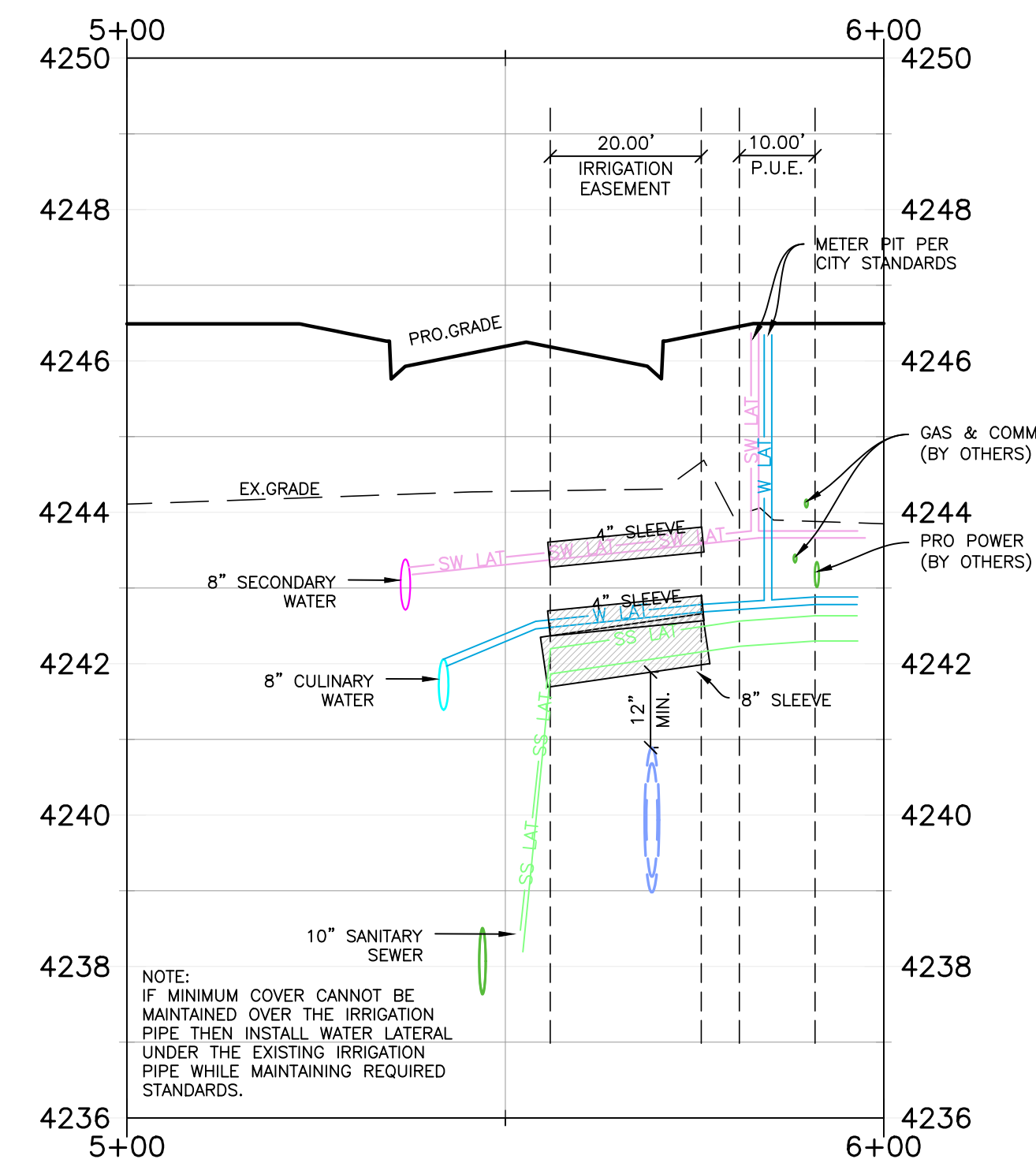
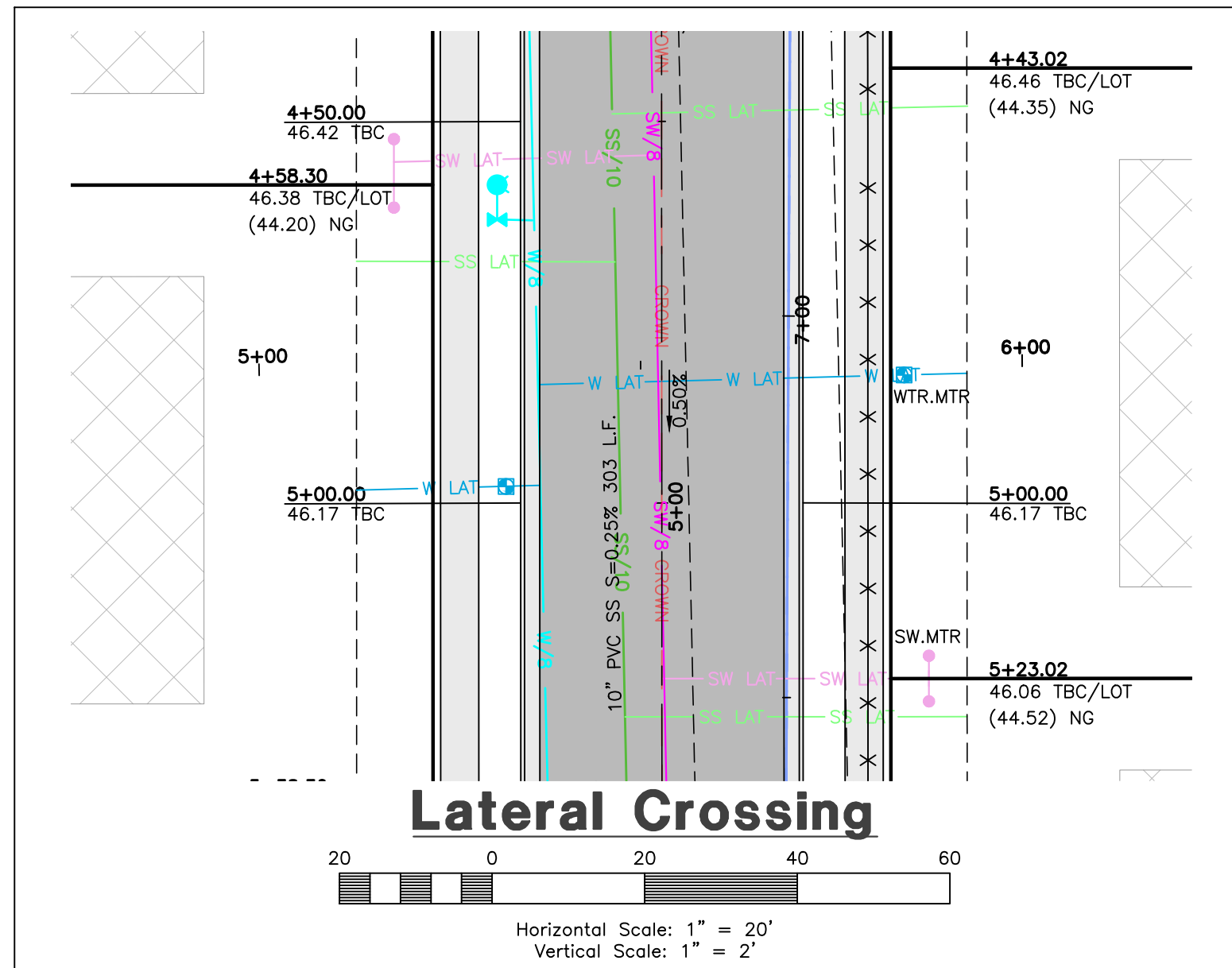
The Grove at JDC Ranch Subdivision Phase 1 & 2
WEBER COUNTY, UTAH

Sewer & Land Drain Cross Sections



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Drafted: N. FICKLIN
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- NOTES:
1. WATER LATERALS TO BE INSULATED WHEN CROSSING OVER EXISTING IRRIGATION IF COVER OVER TOP OF PIPE IS LESS THAN 4' TO PROTECT PIPE FROM FREEZING.
 2. INSULATION TO EXTEND MIN 12" BEYOND.
 3. WATER LATERALS TO MAINTAIN 12" MINIMUM SEPARATION WHEN CROSSING UNDER EXISTING IRRIGATION.
 4. ALL 1" & 1/2" UTILITY CROSSING TO BE INCASED WITH SCHEDULE 40 PVC PIPE.

EXHIBIT "A"
PROTECTION CRITERIA

- A. Surface structures that generally will be allowed to be constructed within United States rights-of-way include asphalt roadways, with no utilities within roadway, non reinforced parking lots, curbs, gutters and sidewalks, walkways, driveways. However, where United States system pipe has specific maximum and minimum cover designation the special requirements for roadways, parking lots and driveways crossing over the pipe shall be obtained from the United States for the maximum allowable external loading or minimum cover. **HOWEVER, IT IS UNDERSTOOD THAT ALL SURFACE STRUCTURES SHALL BE ANALYZED AND CONSIDERED ON AN INDIVIDUAL BASIS.**
- B. Structures that may not be constructed in, on, or along United States rights-of-way include but are not limited to, permanent structures such as fences, retaining walls, block walls, buildings, garages, decks, carports, trailers, and swimming pools as designated by the United States.
- C. No trees or vines will be allowed within the rights-of-way of the United States.
- D. All temporary or permanent changes in ground surfaces within United States rights-of-way are to be considered to be encroaching structures and must be handled as such. Earthfills and cuts on adjacent property shall not encroach onto United States rights-of-way without prior approval by the United States.
- E. Existing gravity drainage of the United States rights-of-way must be maintained. No new concentration of surface or subsurface drainage may be directed onto or under the United States rights-of-way without adequate provision for removal of drainage water or adequate protection of the United States rights-of-way.
- F. Prior to construction of any structure that encroaches within United States rights-of-way, an excavation must be made to determine the location of existing United States facilities. The excavation must be made by or in the presence of water users or the United States.
- G. Any contractor or individual constructing improvements in, on, or along United States rights-of-way must limit his construction to the encroaching structure previously approved and construct the improvements strictly in accordance with plans or specifications.
- H. The ground surfaces within United States rights-of-way must be restored to a condition equal to that which existed before the encroachment work began or as shown on the approved plans or specifications.
- I. The owner of newly constructed facilities that encroach on United States rights-of-way shall notify the United States and/or the District upon completion of construction and shall provide the District with one copy and the United States with two copies of as-built drawings showing actual improvements in, on, or along the rights-of-way.
- J. Except in case of ordinary maintenance and emergency repairs, an owner of encroaching facilities shall give the District at least 10 days notice in writing before entering upon United States rights-of-way for the purpose of reconstructing, repairing, or removing the encroaching structure or performing any work on or in connection with the operation of the encroaching structure.
- K. If unusual conditions are proposed for the encroaching structure or unusual field conditions within United States rights-of-way are encountered, the United States reserves the right to impose more stringent criteria than those prescribed herein.
- L. All backfill material within United States rights-of-way shall be compacted to 90 percent of maximum density unless otherwise shown. Mechanical compaction shall not be allowed within 6 inches of the projects works whenever possible. In no case will mechanical compaction using heavy equipment be allowed over the project works or within 18 inches horizontally of the projects works.
- M. That the backfilling of any excavation or around any structure within the United States rights-of-way shall be compacted in layers not exceeding 6 inches thick to the following requirements: (1) cohesive soils to 90 percent maximum density specified by ASTM Part 19, D-698, method A; (2) noncohesive soils to 70 percent relative density specified by ANSI/ASTM Part 19, d-2049, par. 7.1.2, wet method.
- N. Any nonmetallic encroaching structure below ground level shall be accompanied with a metallic strip within the United States rights-of-way.
- O. Owners of encroaching facilities shall notify the United States and/or the District at least forty-eight (48) hours in advance of commencing construction to permit inspection by the United States and/or the District.
- P. No use of United States lands or rights-of-way shall be permitted that involve the storage of hazardous material.

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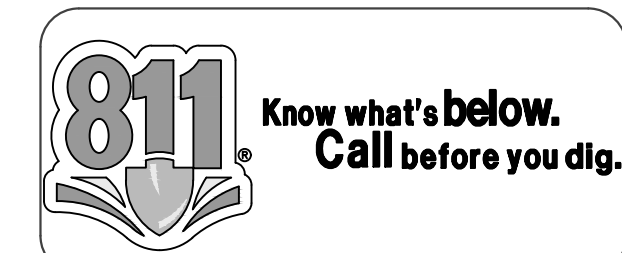
REVISIONS	DESCRIPTION
DATE	

The Grove at JDC Ranch Subdivision
Phase 1 & 2
 WEBER COUNTY, UTAH

Details

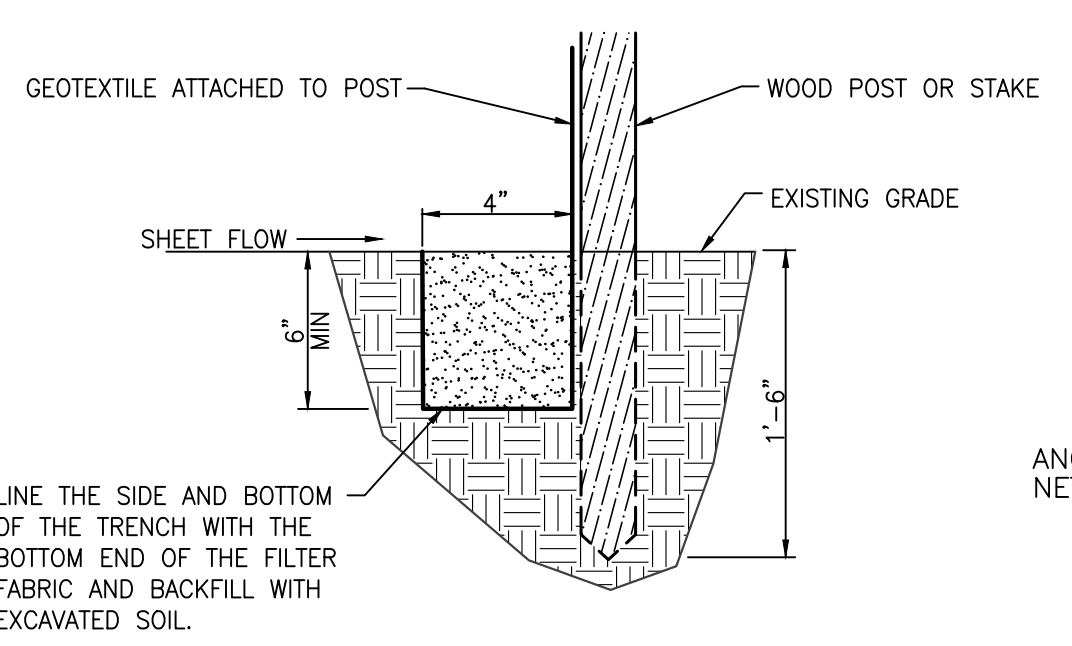
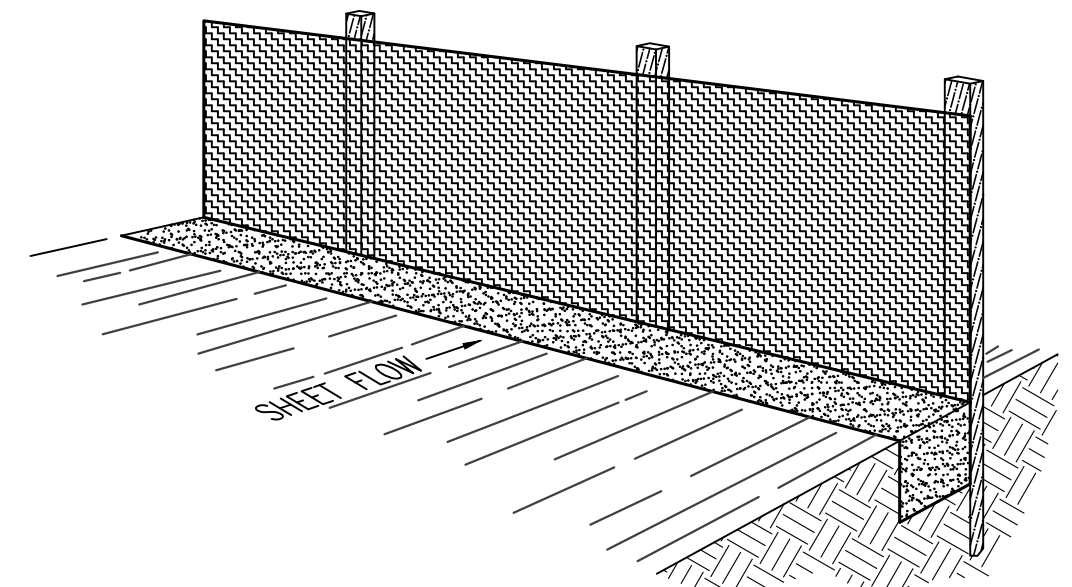


Project Info.
 Engineer: J. NATE REEVE, P.E.
 Drafter: N. FICKLIN
 Begin Date: MARCH 2022
 Name: THE GROVE AT JDC RANCH SUBDIVISION PHASE 1 & 2
 Number: 7152-14



Notes:

- Describe all BMP's to protect storm water inlets:
All storm water inlets to be protected by straw wattle barriers, or gravel bags (see detail).
- Describe BMP's to eliminate/reduce contamination of storm water from:
 - Equipment / building / concrete wash areas:
To be performed in designated areas only and surrounded with silt fence barriers.
 - Soil contaminated by soil amendments:
If any contaminants are found or generated, contact environmental engineer and contacts listed.
 - Areas of contaminated soil:
If any contaminants are found or generated, contact environmental engineer and contacts listed.
 - Fueling area:
To be performed in designated areas only and surrounded with silt fence.
 - Vehicle maintenance areas:
To be performed in designated areas only and surrounded with silt fence.
 - Vehicle parking areas:
To be performed in designated areas only and surrounded with silt fence.
 - Equipment storage areas:
To be performed in designated areas only and surrounded with silt fence.
 - Materials storage areas:
To be performed in designated areas only and surrounded with silt fence.
 - Waste containment areas:
To be performed in designated areas only and surrounded with silt fence.
 - Service areas:
To be performed in designated areas only and surrounded with silt fence.
- BMP's for wind erosion:
Stockpiles and site as needed to be watered regularly to eliminate / control wind erosion
- Construction Vehicles and Equipment:
 - Maintenance
 - Keep vehicles and equipment clean; prevent excessive build-up of oil and grease.
 - Regularly inspect on-site vehicles and equipment for leaks, and repair immediately.
 - Check incoming vehicles and equipment (including delivery trucks, and employee and subcontractor vehicles) for leaking oil and fluids. Do not allow leaking vehicles or equipment on-site.
 - Segregate and recycle wastes, such as greases, used oil or oil filters, antifreeze, cleaning solutions, automotive batteries, hydraulic, and transmission fluids.
 - Fueling
 - If fueling must occur on-site, use designated areas away from drainage.
 - Locate on-site fuel storage tanks within a bermed area designed to hold the tank volume.
 - Cover retention area with an impervious material and install in a manner to ensure that any spills will be contained in the retention area. To catch spills or leaks when removing or changing fluids.
 - Use drip pans for any oil or fluid changes.
 - Washing
 - Use as little water as possible to avoid installing erosion and sediment controls for the wash area.
 - If washing must occur on-site, use designated, bermed wash areas to prevent waste water discharge into storm water, creeks, rivers, and other water bodies.
 - Use phosphate-free, biodegradable soaps.
 - Do not permit steam cleaning on-site.
- Spill Prevention and Control
 - Minor Spills:
Minor spills are those which are likely to be controlled by on-site personnel. After contacting local emergency response agencies, the following actions should occur upon discovery of a minor spill:
 - Contain the spread of the spill.
 - If the spill occurs on paved or impermeable surfaces, clean up using "dry" methods (i.e. absorbent materials, cat litter, and / or rags).
 - If the spill occurs in dirt areas, immediately contain the spill by constructing an earth dike. Dig up and properly dispose of contaminated soil.
 - If the spill occurs during rain, cover the impacted area to avoid runoff.
 - Record all steps taken to report and contain spill.
 - Major Spills:
On-site personnel should not attempt to control major spills until the appropriate and qualified emergency response staff have arrived at the site. For spills of federal reportable quantities, also notify the National Response Center at (800) 424-8802. A written report should be sent to all notified authorities. Failure to report major spills can result in significant fines and penalties.
- Post Roadway / Utility Construction
 - Maintain good housekeeping practices.
 - Enclose or cover building material storage areas.
 - Properly store materials such as paints and solvents.
 - Store dry and wet materials under cover, away from drainage areas.
 - Avoid mixing excess amounts of fresh concrete or cement on-site.
 - Perform washout of concrete trucks offsite or in designated areas only.
 - Do not wash out concrete trucks into storm drains, open ditches, streets or streams.
 - Do not place material or debris into streams, gutters or catch basins that stop or reduce the flow of runoff water.
 - All public streets and storm drain facilities shall be maintained free of building materials, mud and debris caused by grading or construction operations. Roads will be swept within 1000' of construction entrance daily, if necessary.
 - Install straw wattle around all inlets contained within the development and all others that receive runoff from the development.
- Erosion Control Plan Notes
 - The contractor will designate an emergency contact that can be reached 24 hours a day 7 days a week.
 - A stand-by crew for emergency work shall be available at all times during potential rain or snow runoff events. Necessary materials shall be available on site and stockpiled at convenient locations to facilitate rapid construction of emergency devices when rain or runoff is eminent.
 - Erosion control devices shown on the plans and approved for the project may not be removed without approval of the engineer of record. If devices are removed, no work may continue that have the potential of erosion without consulting the engineer of record. If deemed necessary erosion control should be reestablished before this work begins.
 - Graded areas adjacent to fill slopes located at the site perimeter must drain away from the top of the slope at the conclusion of each working day. This should be confirmed by survey or other means acceptable to the engineer of record.
 - All silt and debris shall be removed from all devices within 24 hours after each rain or runoff event.
 - Except as otherwise approved by the inspector, all removable protective devices shown shall be in place at the end of each working day and through weekends until removal of the system is approved.
 - All loose soil and debris, which may create a potential hazard to offsite property, shall be removed from the site as directed by the engineer of record of the governing agency.
 - The placement of additional devices to reduce erosion damage within the site is left to the discretion of the engineer of record.
 - Desilting basins may not be removed or made inoperable without the approval of the engineer of record and the governing agency.
 - Erosion control devices will be modified as need as the project progresses and plans of these changes submitted for approval by the engineer of record and the governing agency.
- Conduct a minimum of one inspection of the erosion and sediment controls every two weeks. Maintain documentation on site.
 - Part III.D.4 of general permit UTRC00000 identifies the minimum inspection requirements.
 - Part III.D.4.C identifies the minimum inspection report requirements.
 - Failure to complete and/or document storm water inspections is a violation of part III.D.4 of Utah General Permit UTR 300000.



Perspective View

Figure 2

INSTALLATION

The silt fence should be installed prior to major soil disturbances in the drainage area. The fence should be placed across the slope along a line of uniform elevation wherever flow of sediment is anticipated. Table 1 shows generally-recommended maximum slope lengths (slope spacing between fences) at various site grades for most silt fence applications.

Slope Steepness (%)	Max. Slope Length m (ft)
<2%	30.5m (100ft)
2-5%	22.9m (75ft)
5-10%	15.2m (50ft)
10-20%	7.6m (25ft)
>20%	4.5m (15ft)

PREFABRICATED SILT FENCE ROLLS

- Excavate a minimum 15.2cm x 15.2cm (6"x6") trench at the desired location.
- Unroll the silt fence, positioning the post against the downstream wall of the trench.
- Adjacent rolls of silt fence should be joined by nesting the end post of one fence into the other. Before nesting the end posts, rotate each post until the geotextile is wrapped completely around the post, then abut the end posts to create a tight seal as shown in Figure 1.
- Drive posts into the ground until the required fence height and/or anchorage depth is obtained.
- Bury the loose geotextile at the bottom of the trench in the upstream trench and backfill with natural soil, tamping the backfill to provide good compaction and anchorage. Figure 2 illustrates a typical silt fence installation and anchor trench placement.

should generally be less than three (3) times the height of the fence.

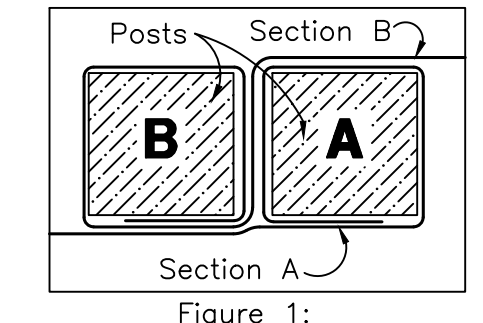
- If a steel or plastic mesh is required to reinforce the geotextile, it shall have a minimum mesh opening of 15.2cm (6").
- Fasten the mesh to the upslope side of the posts using heavy duty wire staples, tie wires or hog strings. Extend the mesh into the bottom of the trench.
- The geotextile shall then be stapled or wired to the posts. An extra 20-50cm (8-20") of geotextile shall extend into the trench.

INSPECTION

- Inspect the silt fence daily during periods of rainfall, immediately after significant rainfall event and weekly during periods of no rainfall. Make any repairs immediately.
- When sediment deposits behind the silt fence are one-third of the fence height, remove and properly dispose of the silt accumulations. Avoid damage to the fabric during cleanout.

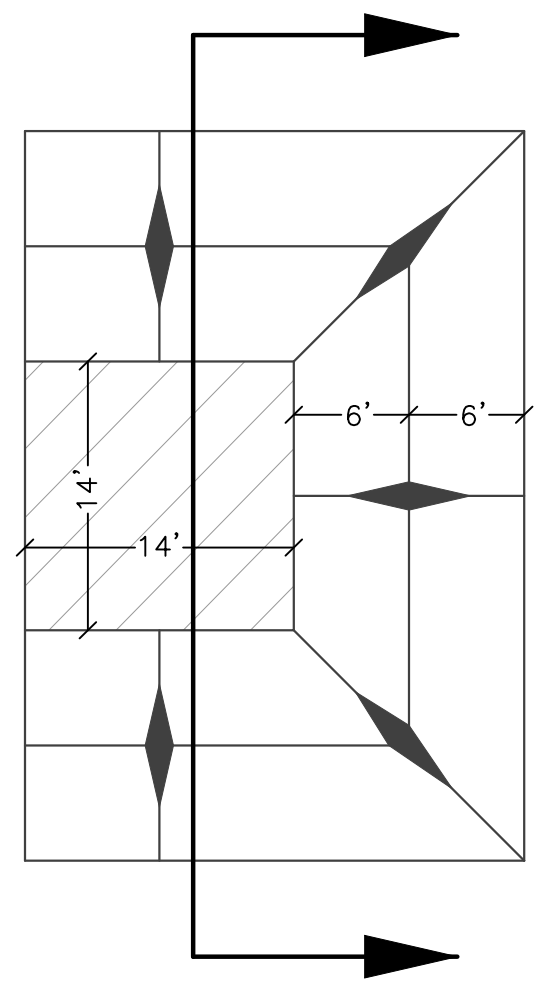
REMOVAL

- Silt fence should not be removed until construction ceases and the upslope area has been properly stabilized and/or revegetated.



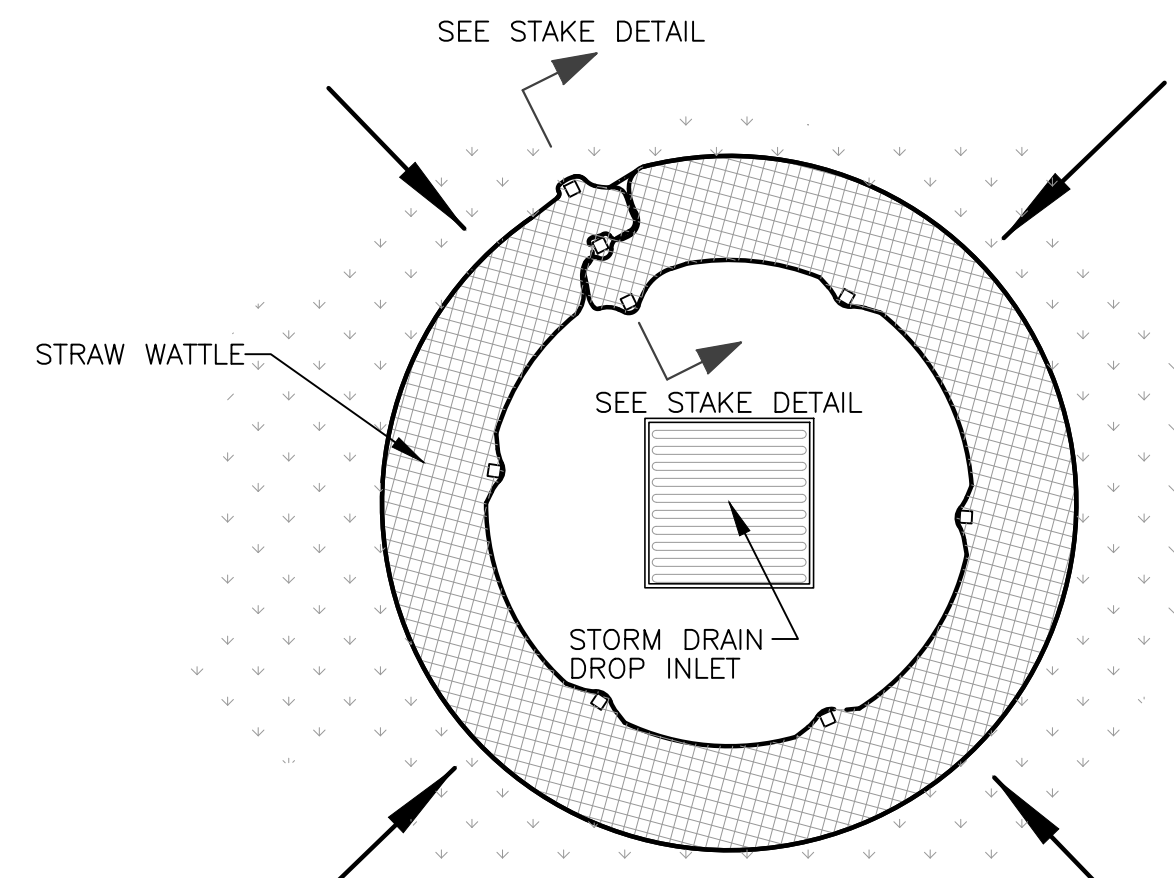
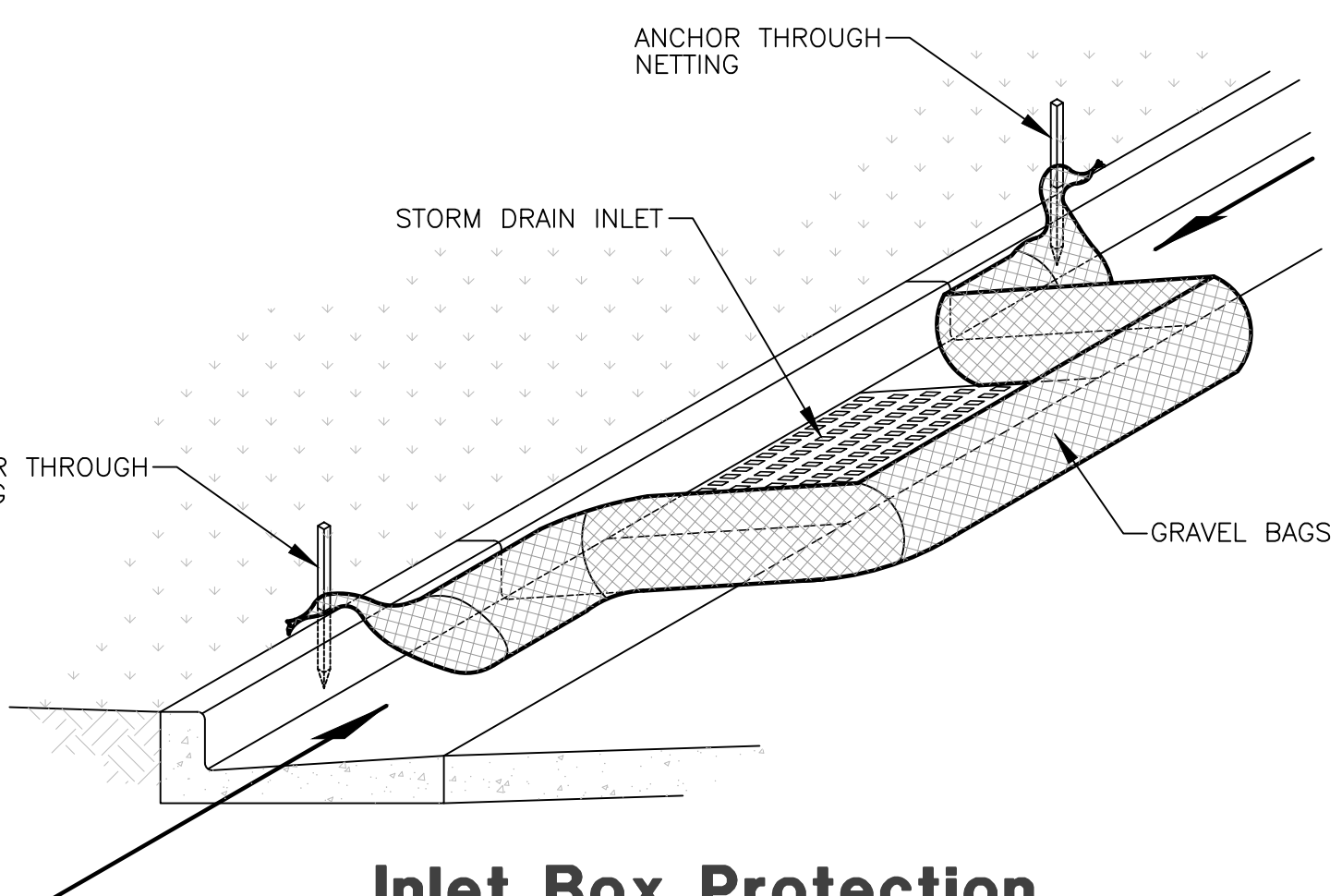
Silt Fence Detail

SCALE: NONE

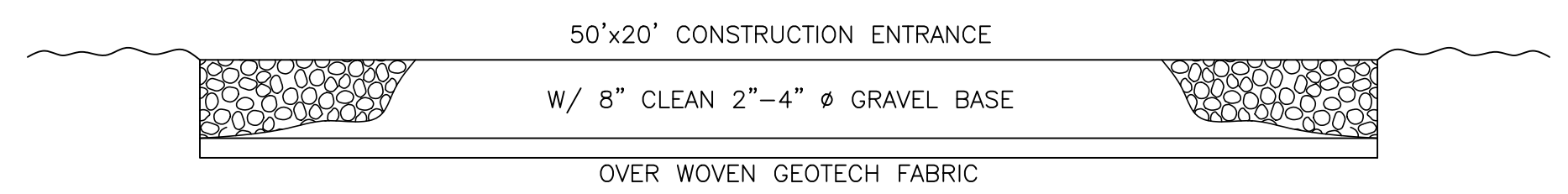
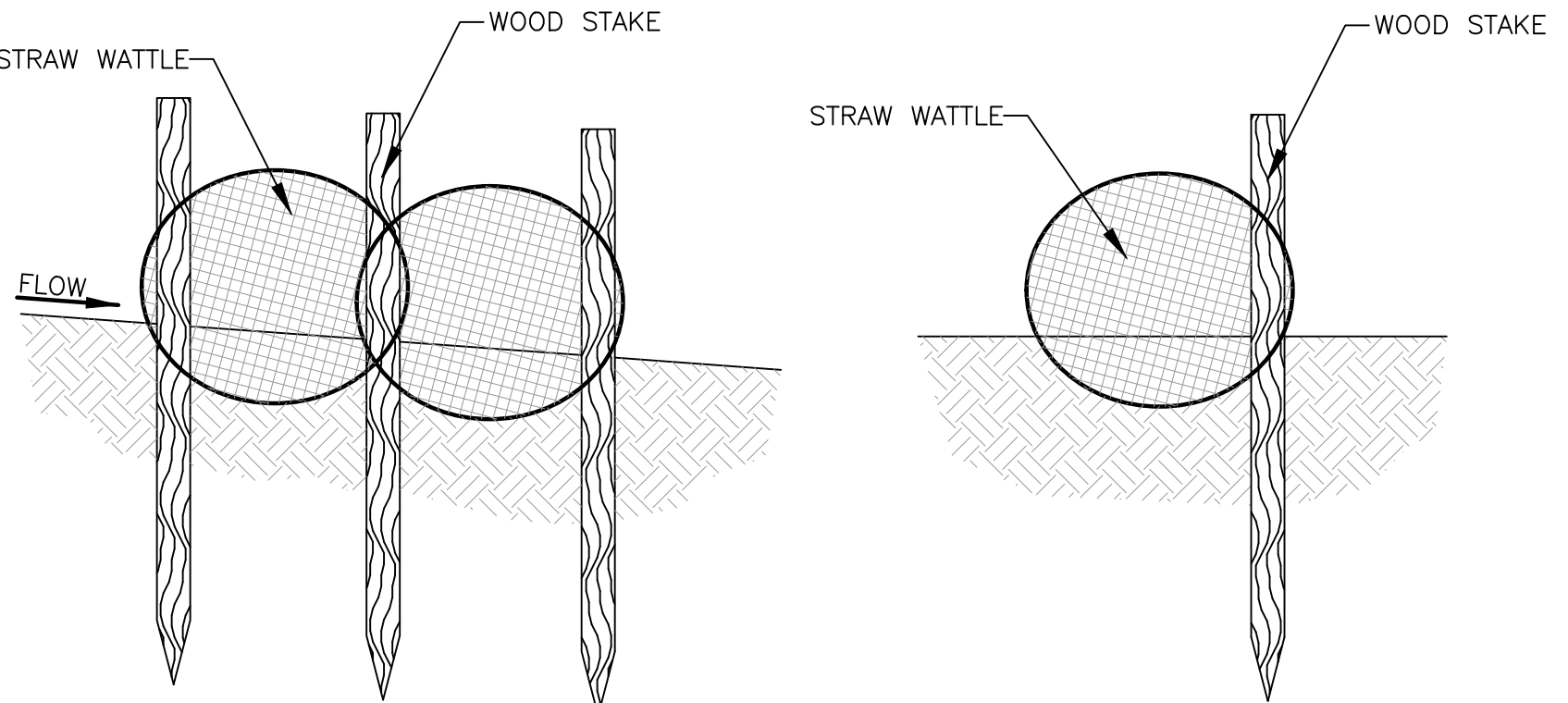
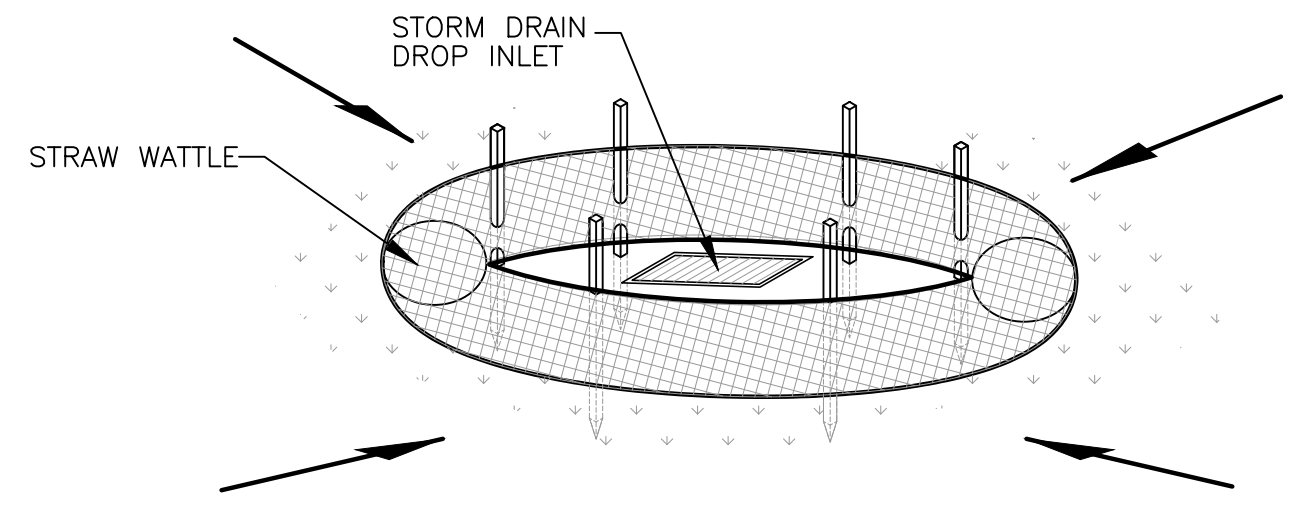


Concrete Washout Area w/ 10 mil Plastic Liner

SCALE: NONE



Drop Inlet Protection



Cross Section 50' x 20' Construction Entrance

Reeve & Associates, Inc.
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RA

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REVISIONS	DESCRIPTION
DATE	

The Grove at JDC Ranch Subdivision Phase 1 & 2
WEBER COUNTY, UTAH

Storm Water Pollution Prevention Plan Details

REGISTERED PROFESSIONAL ENGINEER
375928
J. NATE REEVE
06/21/2023
STATE OF UTAH

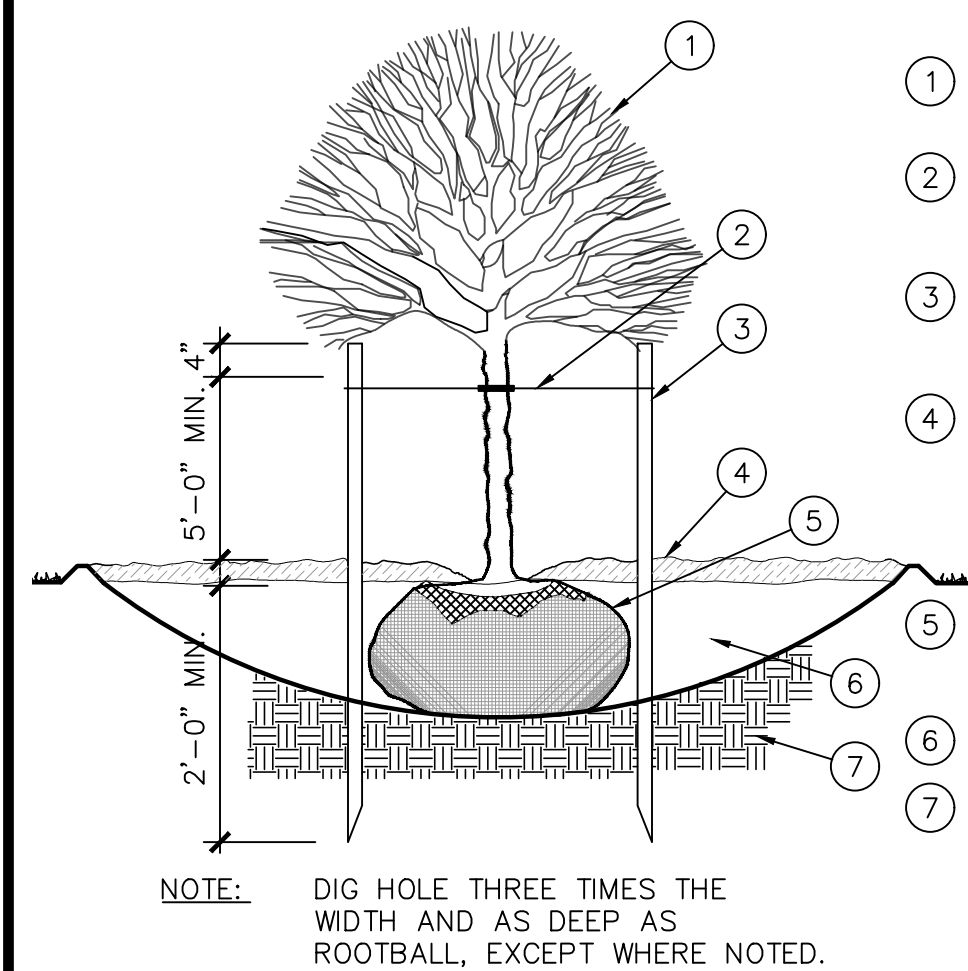
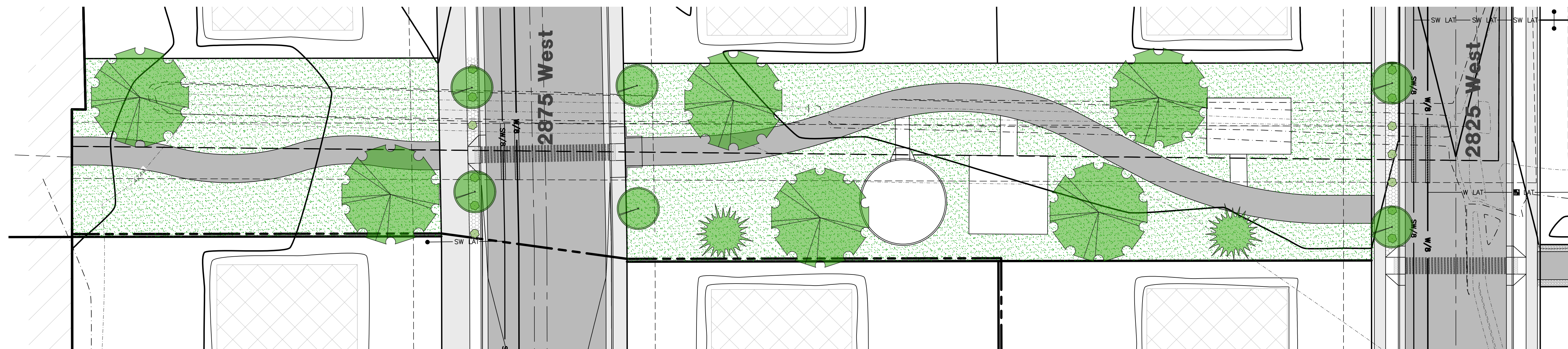
Project Info.
Engineer: J. NATE REEVE, P.E.
Draftsman: N. FICKLIN
Begin Date: MARCH 2022
Name: THE GROVE AT JDC RANCH SUBDIVISION PHASE 1 & 2
Number: 7152-14

PLANT TABLE

Quantity	Symbol	Scientific Name	Common Name	Size
6		Acer platanoides 'Crimson Sentry'	Crimson Sentry Norway Maple	2" cal.
2		Pinus nigra	Austrian Pine	6' Ht
6		Zelkova serrata 'Village Green'	Village Green Zelkova	2" cal.

Quantity	Symbol	Scientific Name	Common Name	Size
13		Juniperus communis 'Mondap'	Alpine Carpet Juniper	5 gal.

Symbol	Description	Type
	Turf Grass - Sod	Sod
	Kentucky Bluegrass Mix - 3 Species Minimum	
	Rock Mulch	1" Diameter
	Place mulch over 5 ounce Professional weed barrier cloth in all planting beds. Contractor to provide samples to owner for approval prior to delivery.	3" Depth

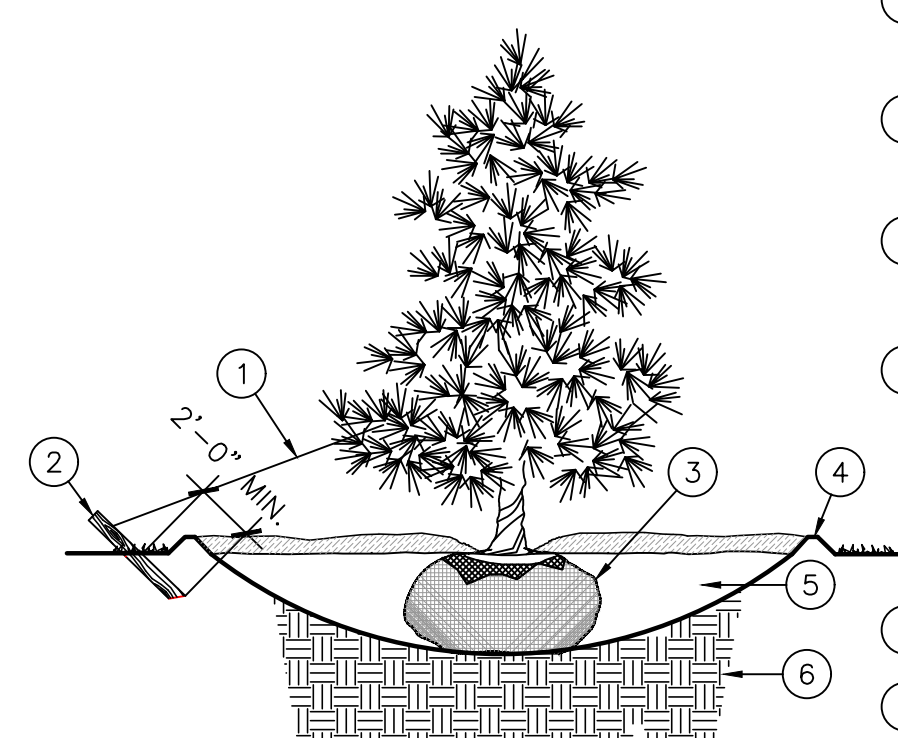


- 1 PRUNE ALL DEAD AND INJURED WOOD. DO NOT CUT LEADER.
- 2 LOOSELY TIE TO ALLOW FOR TREE MOVEMENT, BUT SECURED FOR HIGH WIND CONDITIONS.
- 3 METAL T-POSTS, 2 PER TREE. REMOVE POSTS & TIES AFTER ONE YEAR.
- 4 CONSTRUCT 4" EARTH BERM SAUCER. FILL WITH 3" BARK/ROCK MULCH. BRUSH AWAY FROM TRUNK. REMOVE SAUCER AFTER ONE YEAR.
- 5 REMOVE BURLAP/PACKAGING MAT. PLANT TREES 2"-3" HIGHER THAN GRADE.
- 6 BACKFILL WITH NATIVE SOIL
- 7 UNDISTURBED SOIL

NOTE: DIG HOLE THREE TIMES THE WIDTH AND AS DEEP AS ROOTBALL, EXCEPT WHERE NOTED.

DECIDUOUS TREE PLANTING

NTS

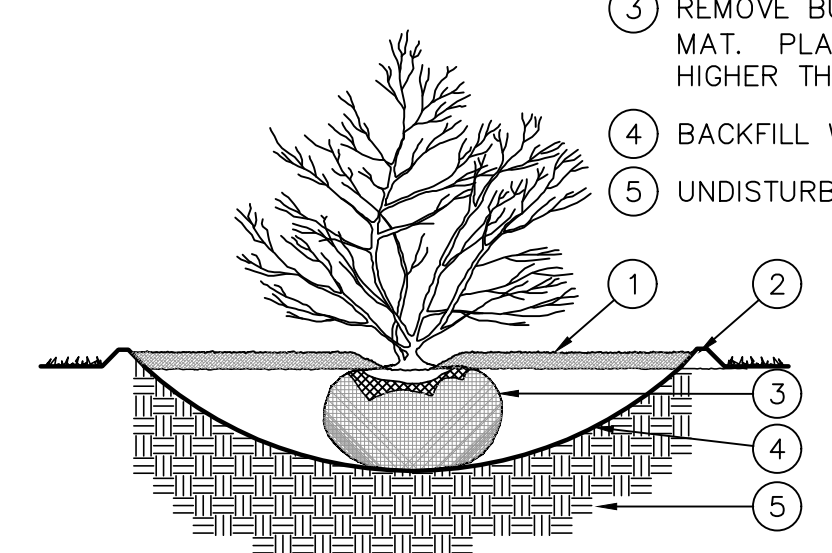


- 1 LOOSELY TIE TO ALLOW FOR TREE MOVEMENT, BUT SECURED FOR HIGH WIND CONDITIONS
- 2 4' x 2" x 2" STAKE AND GUY WIRE (ONE EA. TREE) REMOVE STAKES AFTER ONE YEAR
- 3 REMOVE BURLAP/PACKAGING MAT. PLANT TREES 2"-3" HIGHER THAN GRADE
- 4 CONSTRUCT 4" EARTH BERM SAUCER. FILL WITH 3" BARK/ROCK MULCH - BRUSH AWAY FROM TRUNK. REMOVE SAUCER AFTER ONE YEAR
- 5 BACKFILL WITH NATIVE SOIL
- 6 UNDISTURBED SOIL

NOTE: DIG HOLE THREE TIMES THE WIDTH AND AS DEEP AS ROOTBALL, EXCEPT WHERE NOTED.

CONIFEROUS TREE PLANTING

NTS



- 1 3" OF BARK/ROCK MULCH. BRUSH AWAY FROM STEM
- 2 3" EARTH BERM SAUCER. REMOVE AFTER ONE YEAR
- 3 REMOVE BURLAP/PACKAGING MAT. PLANT SHRUBS 2"-3" HIGHER THAN GRADE.
- 4 BACKFILL WITH NATIVE SOIL
- 5 UNDISTURBED SOIL

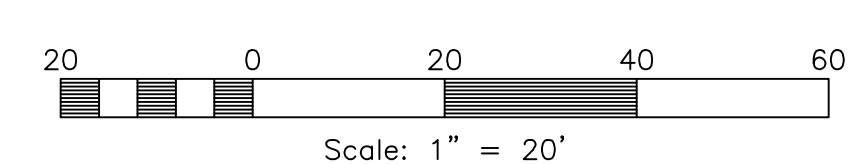
NOTE: DIG HOLE THREE TIMES THE WIDTH AND AS DEEP AS ROOTBALL, EXCEPT WHERE NOTED.

SHRUB PLANTING

NTS

PLANTING NOTES

1. This planting plan is diagrammatic and plant locations are approximate.
2. Field survey, stake, and string the layout and locations of site construction features for approval before actual construction. The layout shall conform to the exact location and grades of the intended work to be done.
3. Coordinate all aspects of the planting plans with the irrigation system and call the attention of the owners representative to any conflict in placement of plants in relation to sprinkler heads, lines and valves at the time the landscape installation phase takes place.
4. Finish grade of soil in lawn areas shall be 2" below pads, walks, paving, headers and curbs to accommodate sod. Grades in areas when seeded shall be 1" lower than adjacent edge.
5. Native topsoil shall be stockpiled and stored on site whenever possible for use in landscape areas.
6. All sod areas shall receive a minimum 4" depth of native topsoil and shrub beds shall receive a minimum of 8" of native topsoil.
7. Imported topsoil, when required, shall come from a reputable source, have a loam consistency and be free of weeds and debris.
8. Face each shrub to give the most pleasing look as seen from a line perpendicular to the wall or walk to/from which it is viewed.
9. Edging or Curbing shall be installed as shown on the plan to separate grass from shrub beds.
10. Shrub beds shall drain properly to prevent standing water from occurring. Call improperly draining planters or planting beds to the attention of the owners representative before planting. Provide positive drainage away from all structures and walls. Slope landscape areas 2% minimum.
11. Place mulch in all shrub beds and perennial areas. See schedule for depth and type. Do not crowd out small perennial plants with excessive mulch.
12. Provide a 3" minimum diameter circle "tree ring" around trees that are placed within lawn areas. Place a 3" min. depth of mulch. Use shredded bark mulch or match mulch being used for shrub beds.
13. The contractor shall maintain all work until work is complete and accepted by the Owner. The contractor shall maintain and guarantee all work for a period of THIRTY DAYS from the date of final acceptance by the Owner. Maintenance shall include mowing, weeding, fertilizing and irrigating.



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REVISIONS	DESCRIPTION

The Grove at JDC Ranch Subdivision
Phase 1 & 2
 WEBER COUNTY, UTAH

Landscape Plan



Project Info.
 Engineer: JEREMY A. DRAPER, P.E.
 Drafter: N. PETERSON
 Begin Date: MARCH 2022
 Name: THE GROVE AT JDC RANCH SUBDIVISION PHASE 1 & 2
 Number: 7152-14