

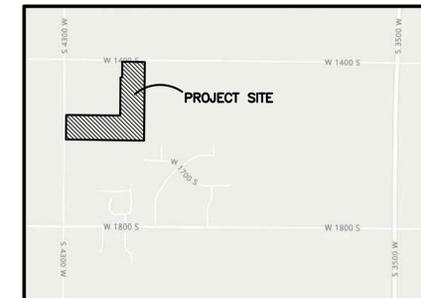
Project Narrative/Notes/Revisions

- 05/25/2023 NF - COMPLETED DESIGN FOR CLIENT & CITY REVIEW.
- 08/01/2023 NF - REVISED PER CITY COMMENTS.
- 08/07/2023 NF - REVISED PER HOOPER IRRIGATION & TWWID COMMENTS.
- 12/13/2023 NF - REVISED UTILITY OUTFALL. ADDED IN PHASE 3.

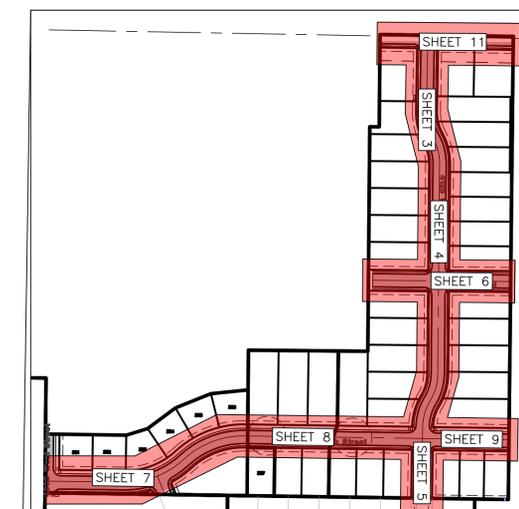
ANSEMI ACRES

Improvement Plans

WEBER COUNTY, UTAH
DECEMBER, 2023



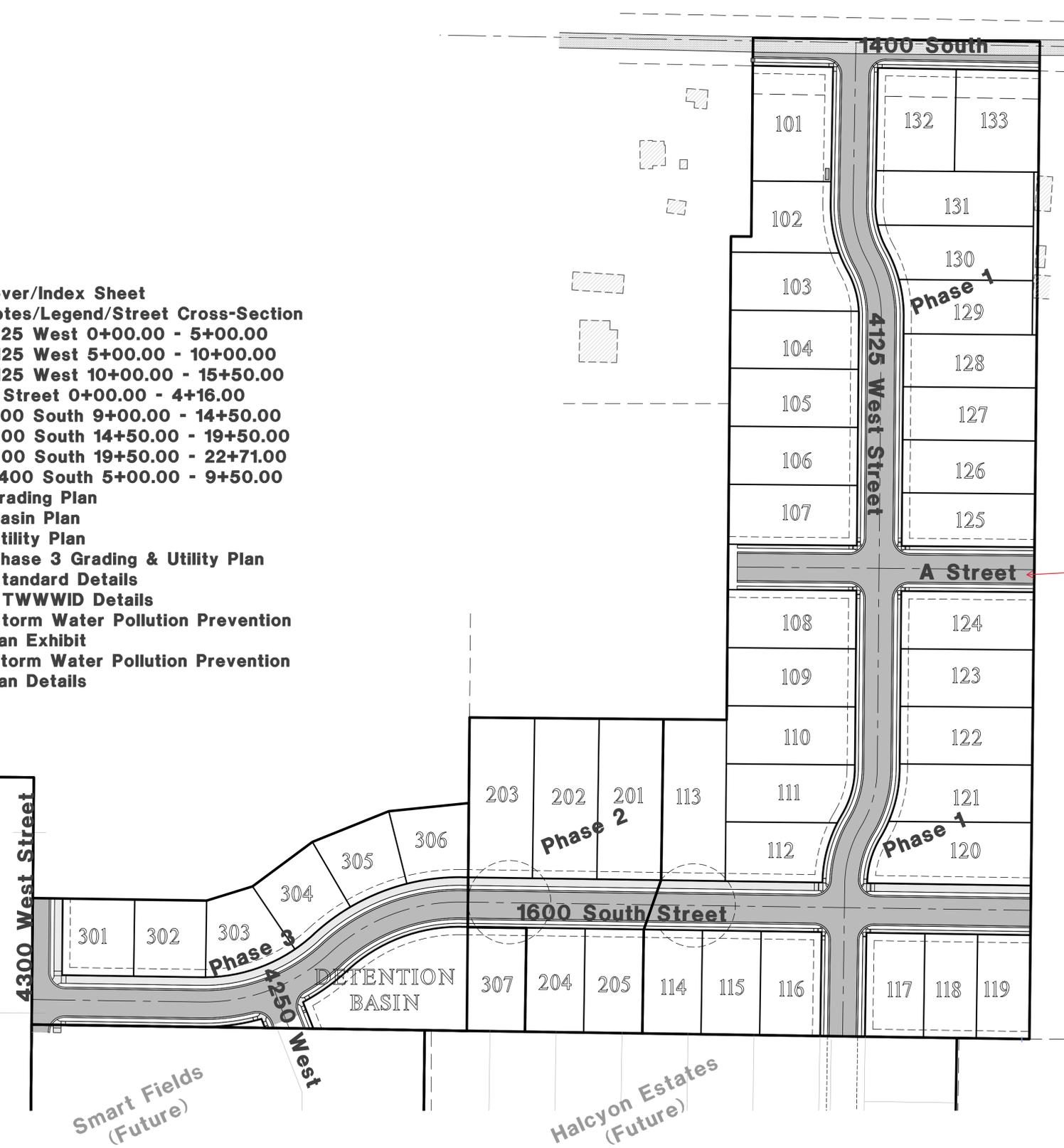
Vicinity Map
NOT TO SCALE



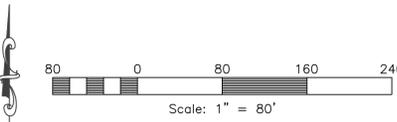
Sheet Index Key Map
NOT TO SCALE

Sheet Index

- Sheet 1 - Cover/Index Sheet
- Sheet 2 - Notes/Legend/Street Cross-Section
- Sheet 3 - 4125 West 0+00.00 - 5+00.00
- Sheet 4 - 4125 West 5+00.00 - 10+00.00
- Sheet 5 - 4125 West 10+00.00 - 15+00.00
- Sheet 6 - A Street 0+00.00 - 4+16.00
- Sheet 7 - 1600 South 9+00.00 - 14+50.00
- Sheet 8 - 1600 South 14+50.00 - 19+50.00
- Sheet 9 - 1600 South 19+50.00 - 22+71.00
- Sheet 10 - 1400 South 5+00.00 - 9+50.00
- Sheet 11 - Grading Plan
- Sheet 12 - Basin Plan
- Sheet 13 - Utility Plan
- Sheet 14 - Phase 3 Grading & Utility Plan
- Sheet 15 - Standard Details
- Sheet 15.1 - TWWID Details
- Sheet 16 - Storm Water Pollution Prevention Plan Exhibit
- Sheet 17 - Storm Water Pollution Prevention Plan Details



What street is this?



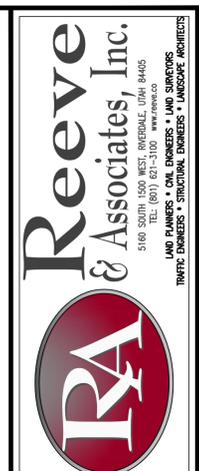
Surveyor:
Jason Felt
Reeve & Associates, Inc.
5160 South 1500 West
Riverdale, Utah, 84405
PH:(801) 621-3100

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.

Developer Contact:
Steward Development
Sky Hazlehurst
1708 East 5550 South
South Ogden, Utah, 74405
PH: (801) 837-2020

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.

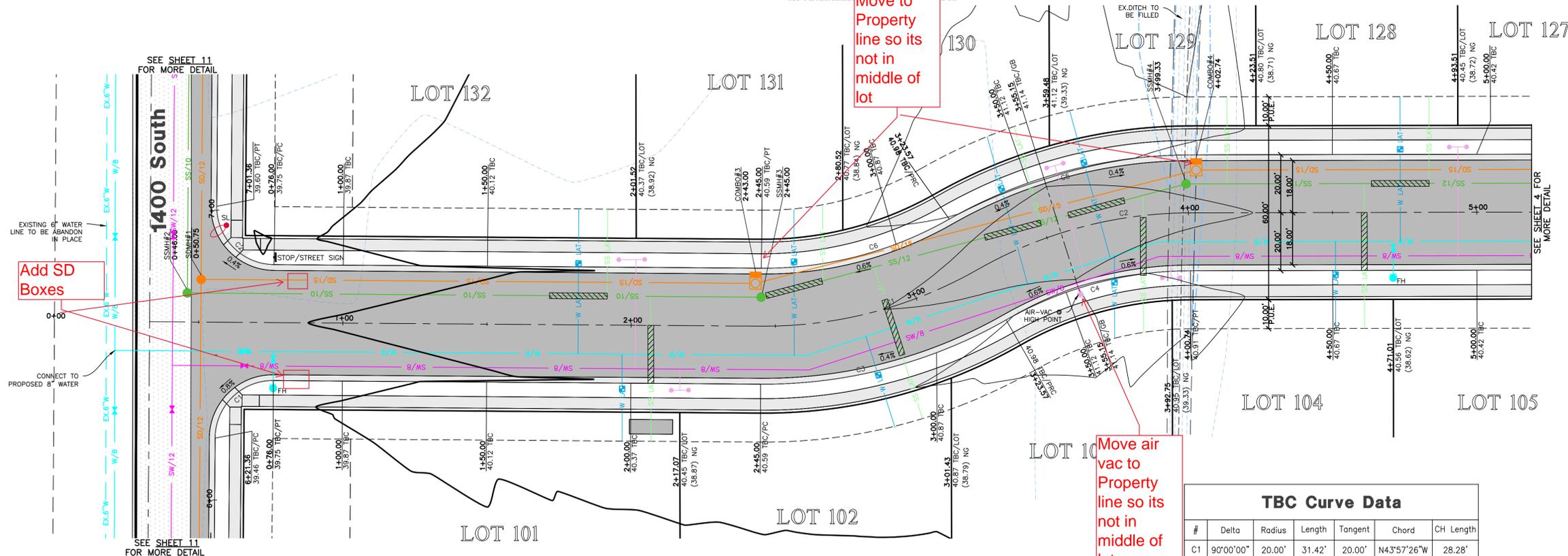


DATE	DESCRIPTION
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08.07.2023 NF	Irr. & Wtr. Comments
12.13.2023 NF	Utility Outfall

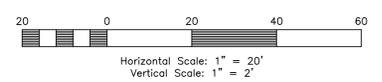
Anselmi Acres Subdivision
WEBER COUNTY, UTAH
Cover/Index Sheet



Project Info.
Engineer: J. NATE REEVE, P.E.
Drafted: N. FICKLIN
Begin Date: MAY, 2023
Name: ANSEMI ACRES SUBDIVISION
Number: 7125-19



4125 West 0+00.00 - 5+00.00

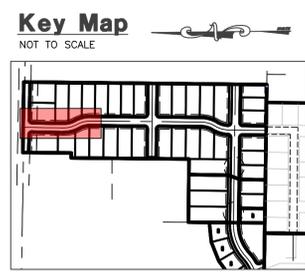
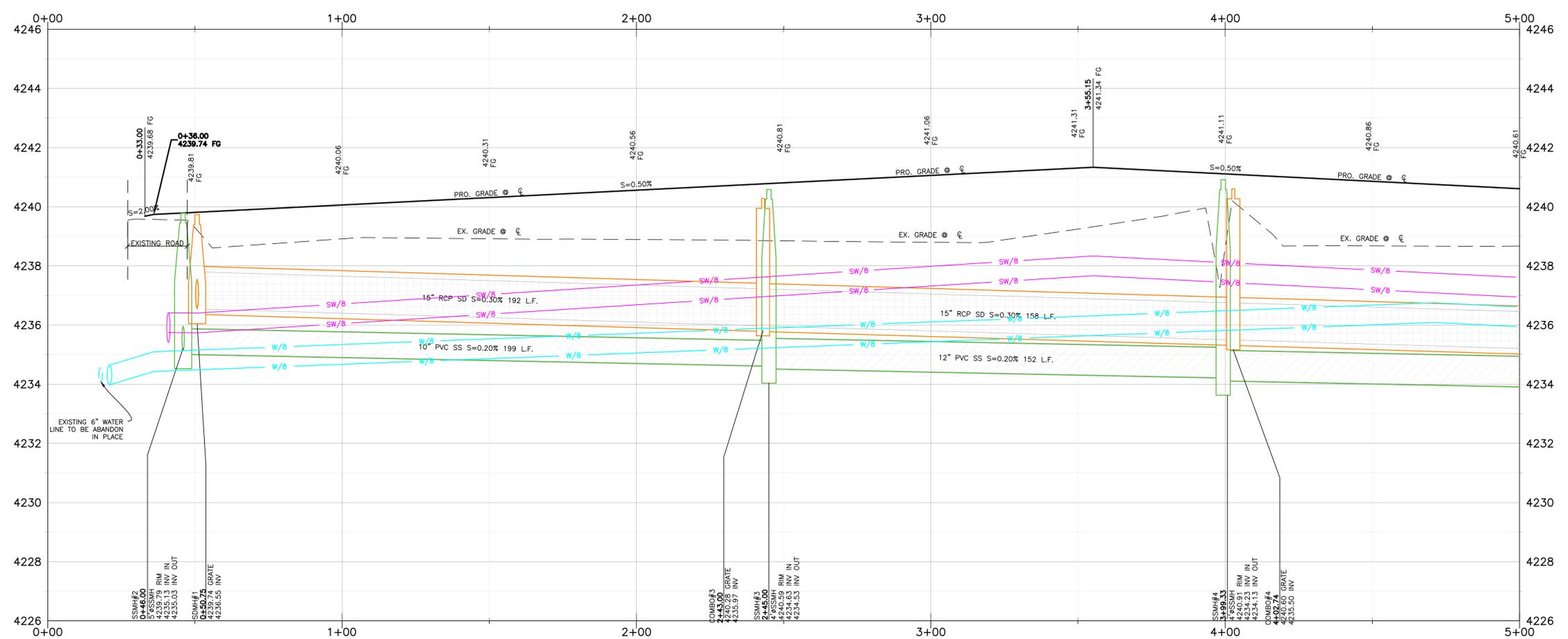


Centerline Curve Data

#	Delta	Radius	Length	Tangent	Chord	CH Length
C1	30°00'28"	150.00'	78.56'	40.20'	S13°57'40"E	77.67'
C2	29°28'41"	150.00'	77.17'	39.46'	S14°13'34"E	76.33'

TBC Curve Data

#	Delta	Radius	Length	Tangent	Chord	CH Length
C1	90°00'00"	20.00'	31.42'	20.00'	N43°57'26"W	28.28'
C2	90°00'00"	20.00'	31.42'	20.00'	S46°02'34"W	28.28'
C3	30°00'28"	170.00'	89.04'	45.56'	S13°57'40"E	88.02'
C4	29°28'41"	130.00'	66.88'	34.20'	N14°13'34"W	66.15'
C5	29°28'41"	170.00'	87.46'	44.72'	N14°13'34"W	86.50'
C6	30°00'28"	130.00'	68.09'	34.84'	S13°57'40"E	67.31'



- ### Construction Notes:
- CULINARY WATER**
NOTE: 4" MIN. COVER REQUIRED OVER CW LINES
W/8 - 8" PVC C900 DR-18 WATER LINE
W - 1" SDR-9 POLY SERVICE LATERAL
- SANITARY SEWER**
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SS/8 - 8" PVC SDR-35 SEWER LINE
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SD/12 - 12" RCP CLASS III STORM DRAIN
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RA

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REVISIONS	DATE	DESCRIPTION
	08.01.2023	NE City Comments
	08.07.2023	NE Irr. & Wtr. Comments
	12.13.2023	NE Utility Outfall

Anselmi Acres Subdivision
WEBER COUNTY, UTAH

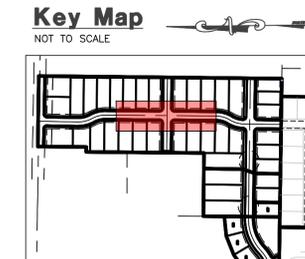
4125 West 0+00.00 - 5+00.00



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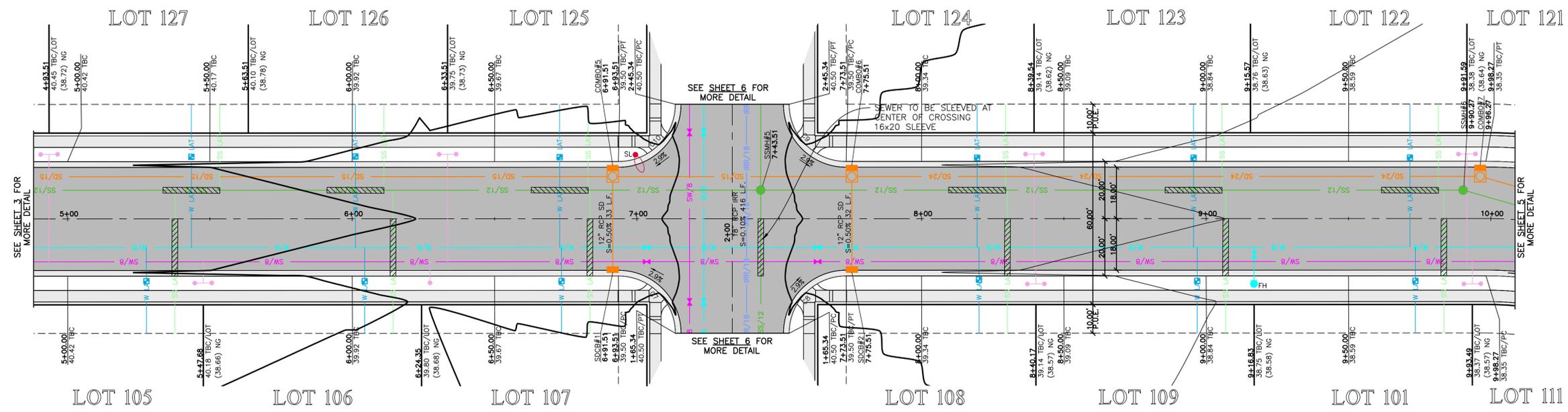




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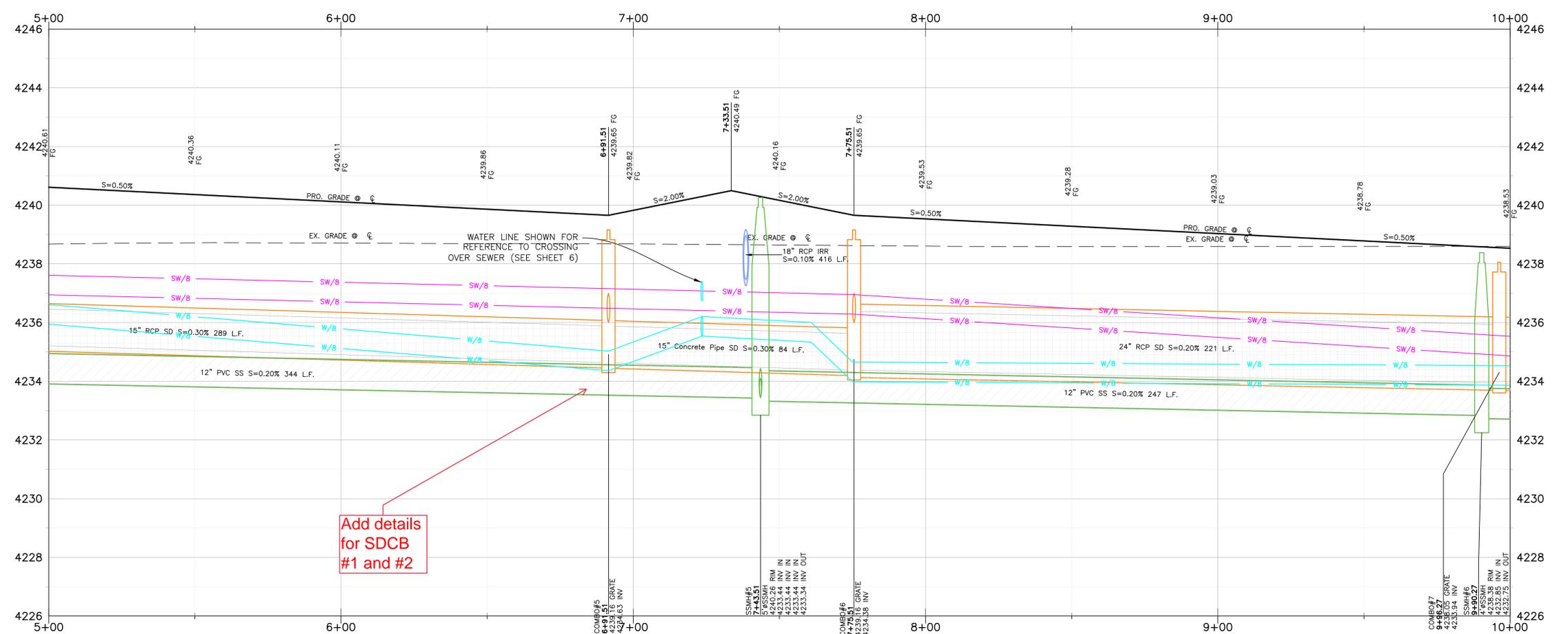
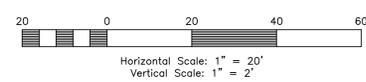
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TBC Curve Data

#	Delta	Radius	Length	Tangent	Chord	CH Length
C7	90°00'00"	20.00'	31.42'	20.00'	N45°30'47"E	28.28'
C8	90°00'00"	20.00'	31.42'	20.00'	N44°29'13"W	28.28'
C9	90°00'00"	20.00'	31.42'	20.00'	S45°30'47"W	28.28'
C10	90°00'00"	20.00'	31.42'	20.00'	S44°29'13"E	28.28'

4125 West 5+00.00 - 10+00.00



Anselmi Acres Subdivision

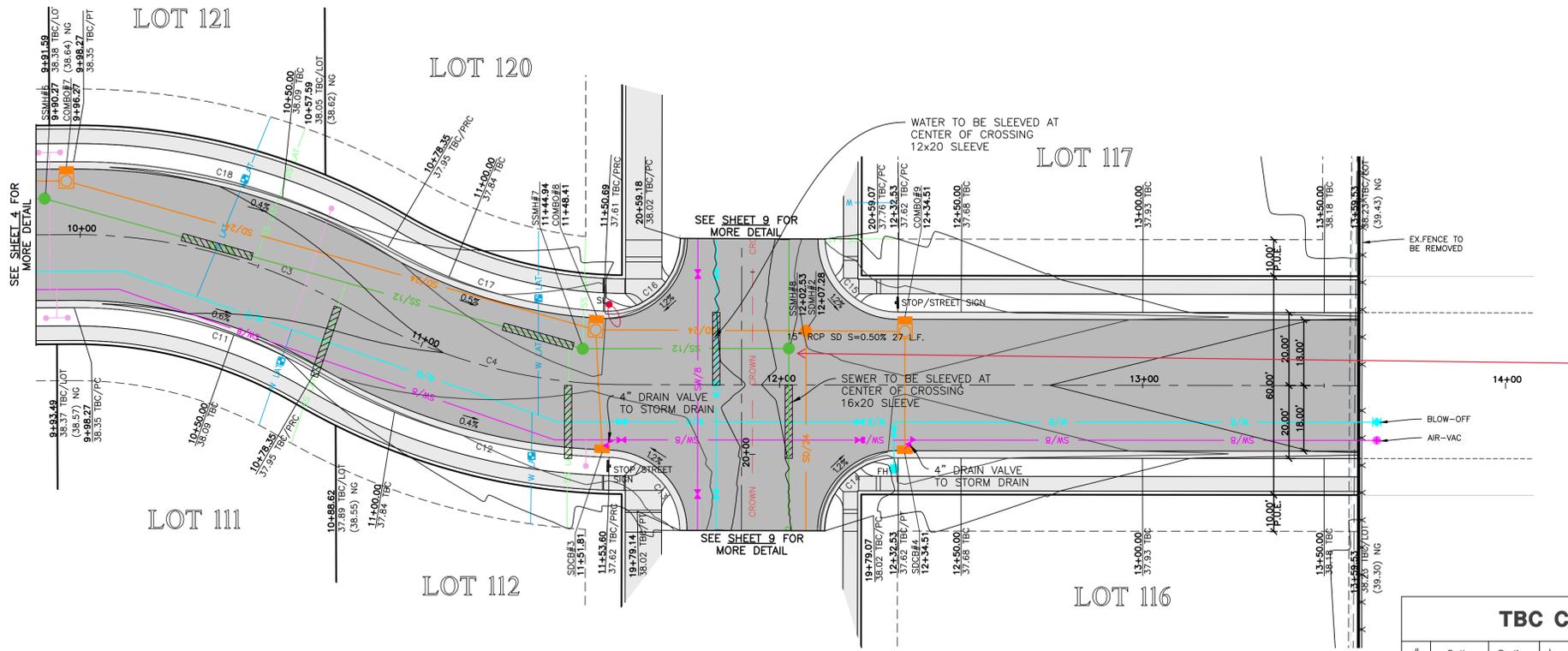
WEBER COUNTY, UTAH

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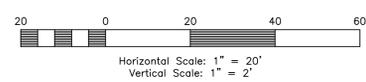
Project Info.
 Engineer: J. NATE REEVE, P.E.
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Stub Sewer to boundary.

4125 West 10+00.00 -14+00.00

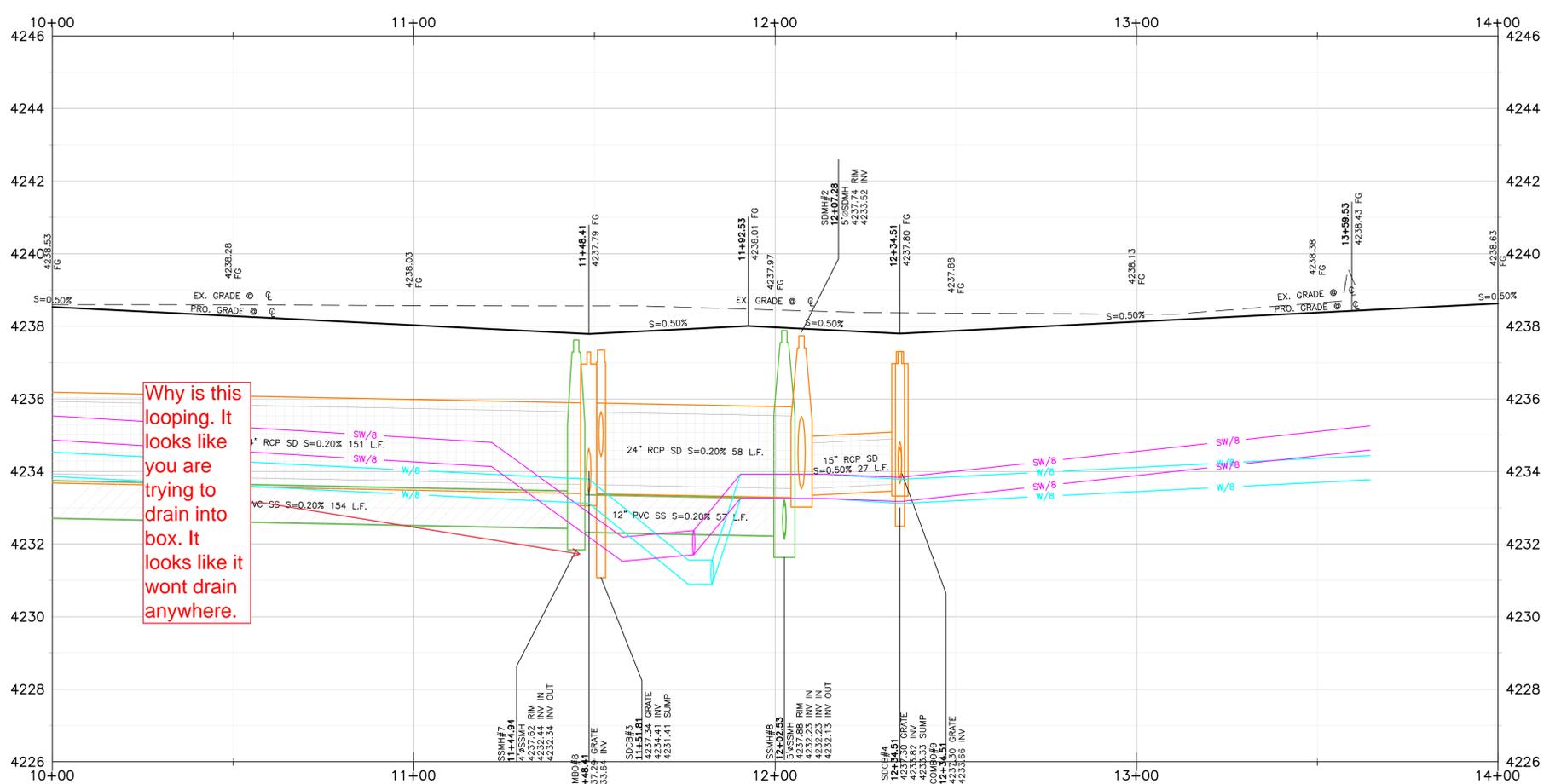


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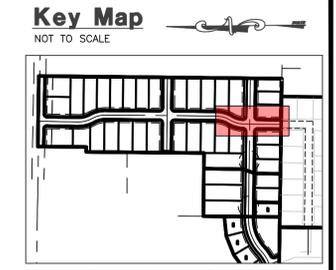
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C3	30°35'20"	150.00'	80.08'	41.02'	S15°48'27"W	79.13'
C4	30°16'08"	150.00'	79.24'	40.57'	S15°58'03"W	78.33'

TBC Curve Data

#	Delta	Radius	Length	Tangent	Chord	CH Length
C11	30°35'20"	130.00'	69.40'	35.55'	N15°48'27"E	68.58'
C12	28°44'31"	170.00'	85.28'	43.56'	S16°43'52"W	84.39'
C13	88°28'20"	20.00'	30.88'	19.47'	N46°35'46"E	27.90'
C14	90°00'03"	20.00'	31.42'	20.00'	N44°10'03"W	28.28'
C15	89°59'57"	20.00'	31.42'	20.00'	S45°49'57"W	28.28'
C16	92°38'23"	20.00'	32.34'	20.94'	S42°50'53"E	28.93'
C17	27°37'49"	130.00'	62.69'	31.97'	S17°17'13"W	62.09'
C18	30°35'20"	170.00'	90.76'	46.49'	N15°48'27"E	89.69'



Why is this looping. It looks like you are trying to drain into box. It looks like it wont drain anywhere.



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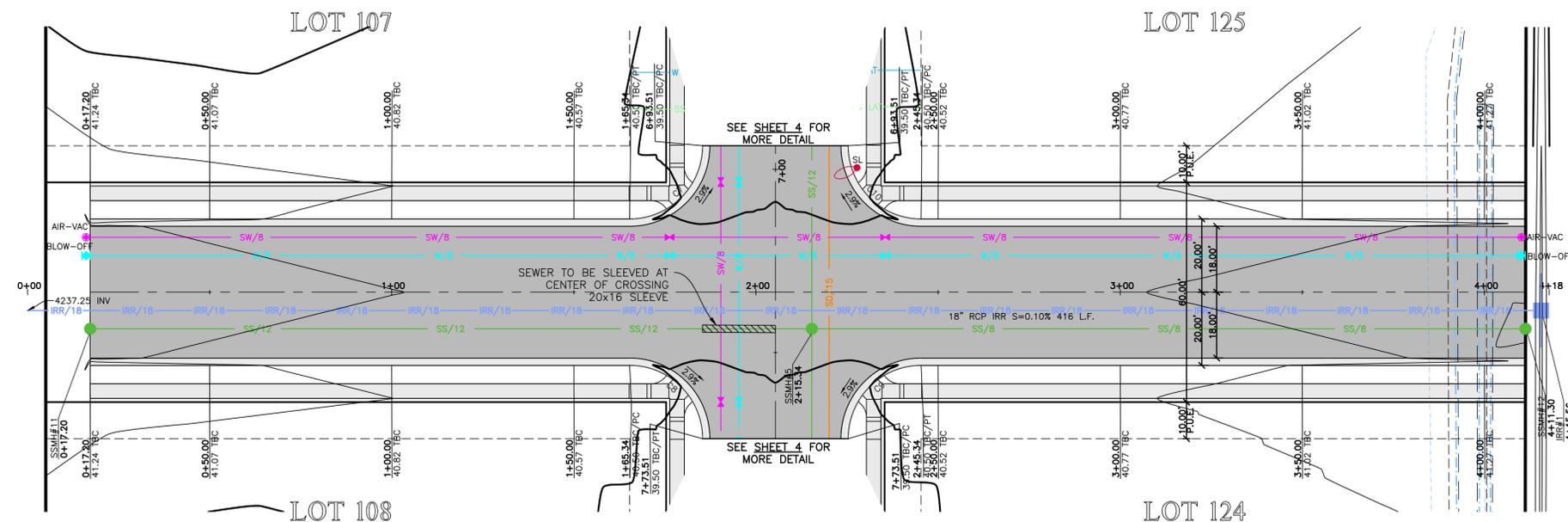
Anselmi Acres Subdivision
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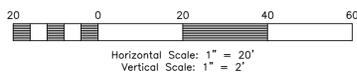


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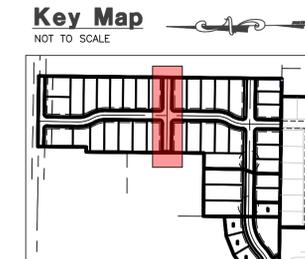




A Street 0+00.00 - 4+16.00



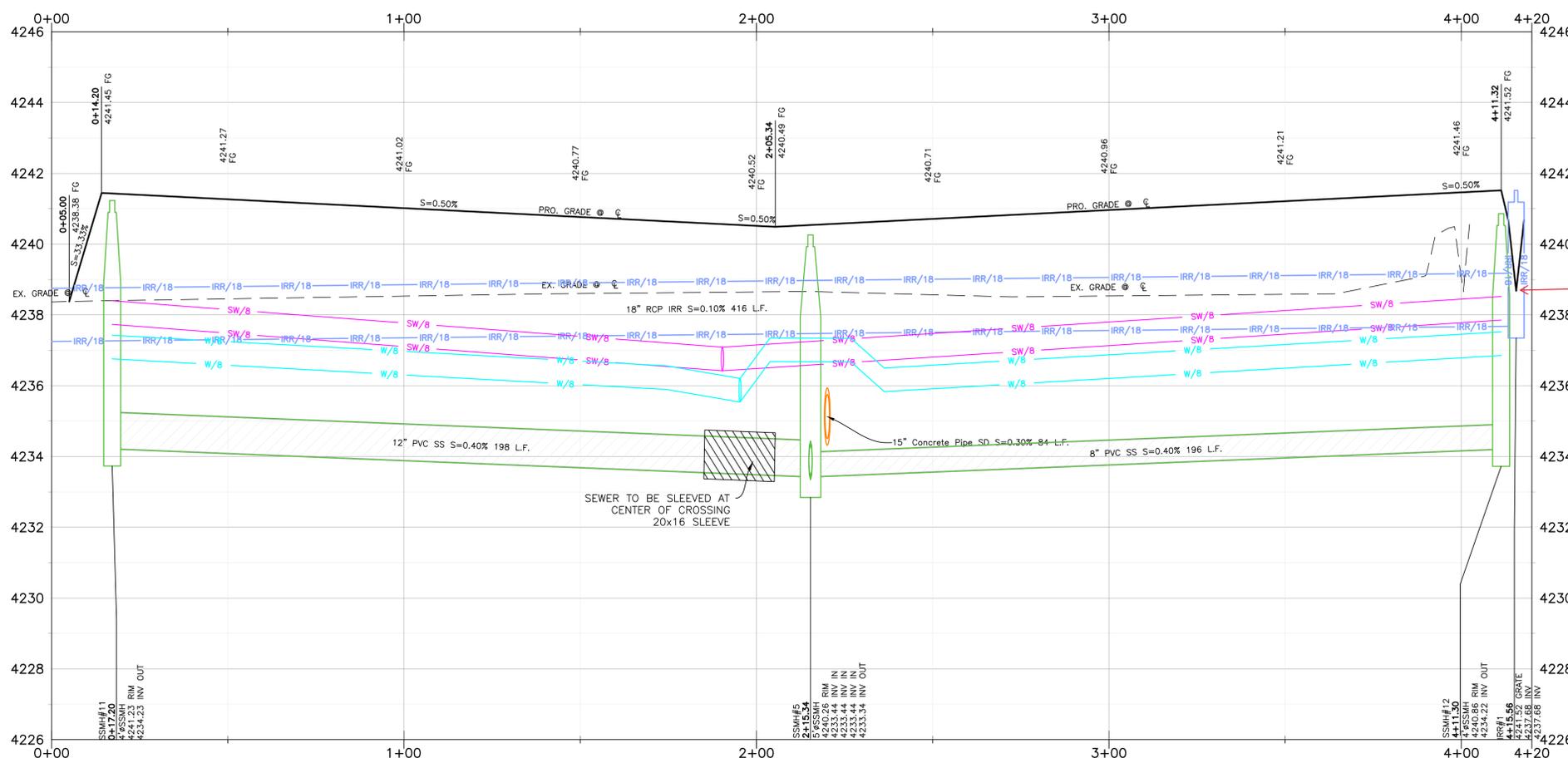
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Details on this box?

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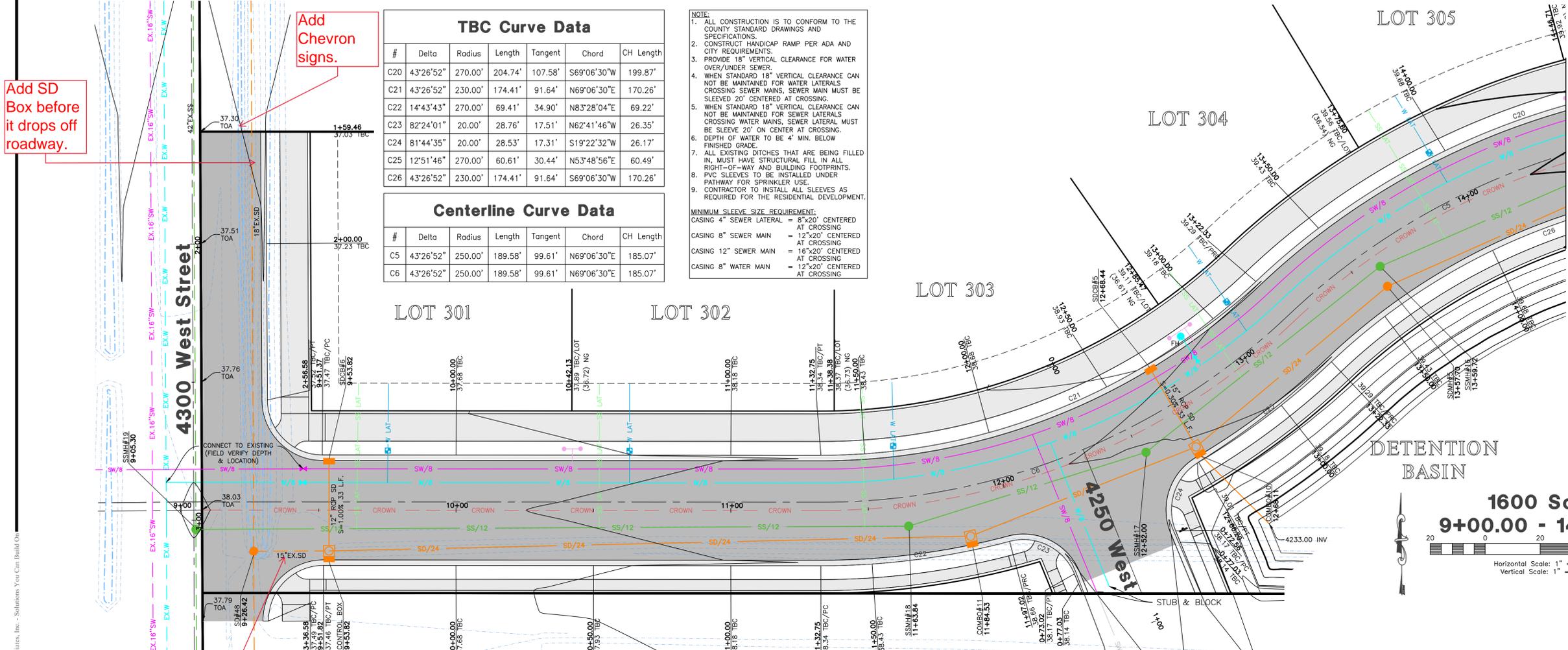
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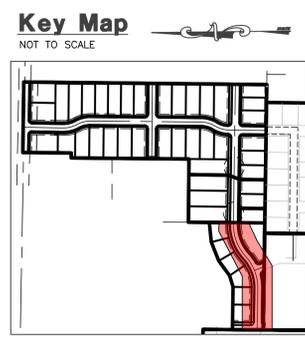




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C21	43°26'52"	230.00'	174.41'	91.64'	N69°06'30"E	170.26'
C22	14°43'43"	270.00'	69.41'	34.90'	N83°28'04"E	69.22'
C23	82°24'01"	20.00'	28.76'	17.51'	N62°41'46"W	26.35'
C24	81°44'35"	20.00'	28.53'	17.31'	S19°22'32"W	26.17'
C25	12°51'46"	270.00'	60.61'	30.44'	N53°48'56"E	60.49'
C26	43°26'52"	230.00'	174.41'	91.64'	S69°06'30"W	170.26'

Centerline Curve Data						
#	Delta	Radius	Length	Tangent	Chord	CH Length
C5	43°26'52"	250.00'	189.58'	99.61'	N69°06'30"E	185.07'
C6	43°26'52"	250.00'	189.58'	99.61'	N69°06'30"E	185.07'

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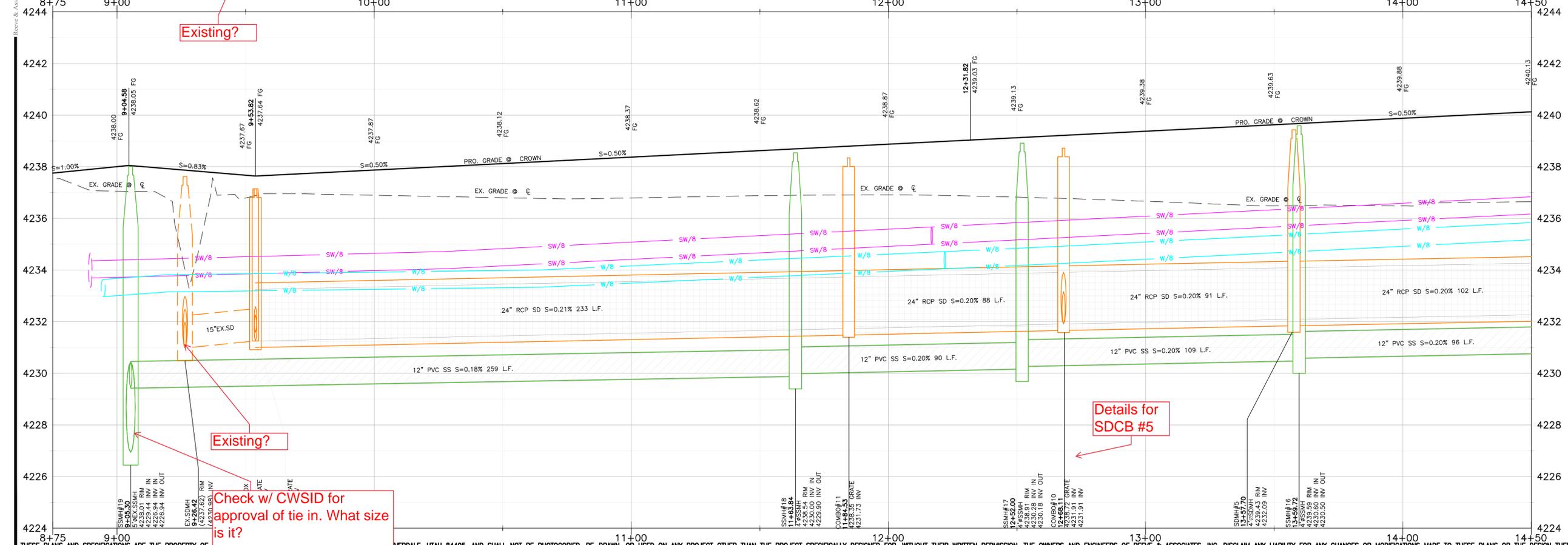
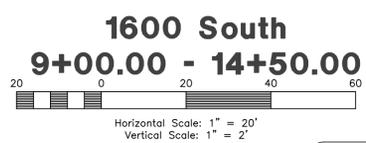
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 IRR/18 - 18" RCP CLASS III IRRIGATION PIPE

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

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 TRAFFIC ENGINEERS • STRUCTURAL ENGINEERS • LANDSCAPE ARCHITECTS

DATE	DESCRIPTION
08.01.2023	NE City Comments
08.07.2023	NE Irr. & Wtr. Comments
12.13.2023	NE Utility Outfall



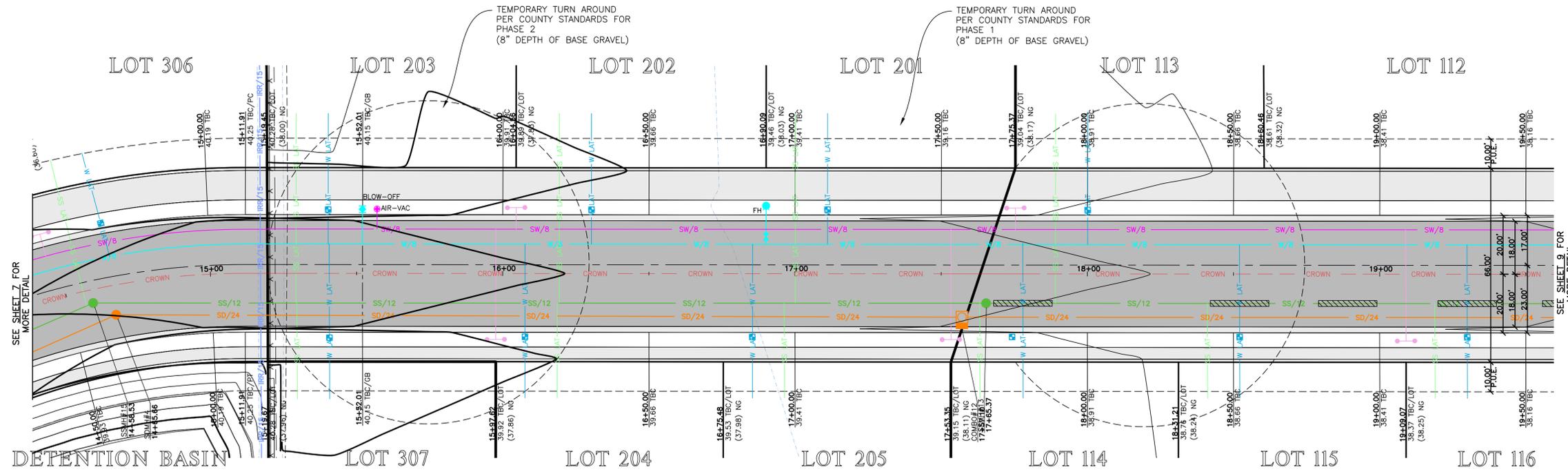
Anselmi Acres Subdivision
 WEBER COUNTY, UTAH

1600 South 9+00.00 - 14+50.00

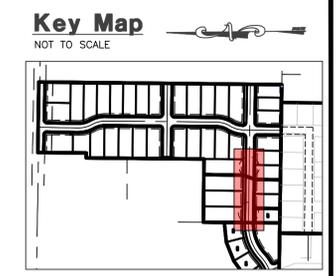
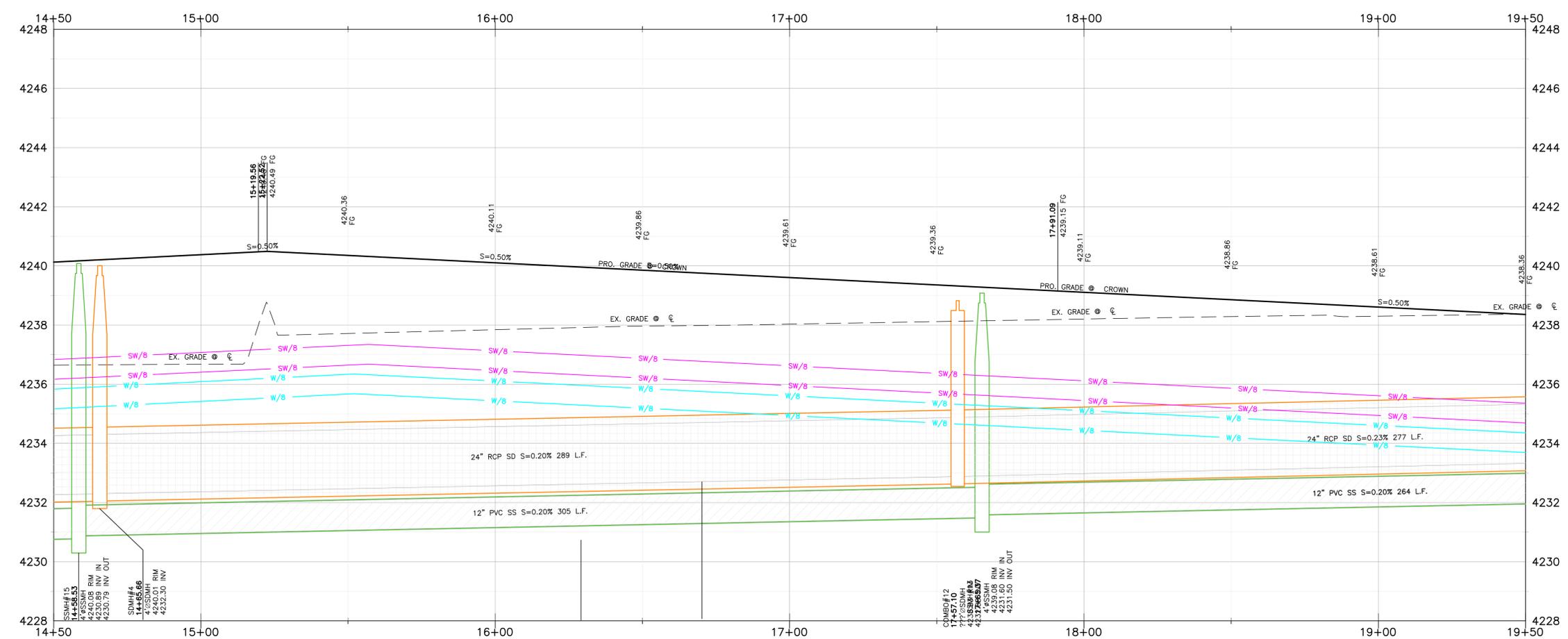
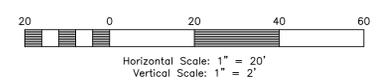


Project Info.

Engineer: J. NATE REEVE, P.E.
 Drafter: N. FICKLIN
 Begin Date: MAY, 2023
 Name: ANSELMI ACRES SUBDIVISION
 Number: 7125-19



1600 South 14+50.00 - 19+50.00



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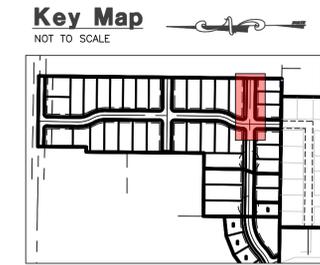
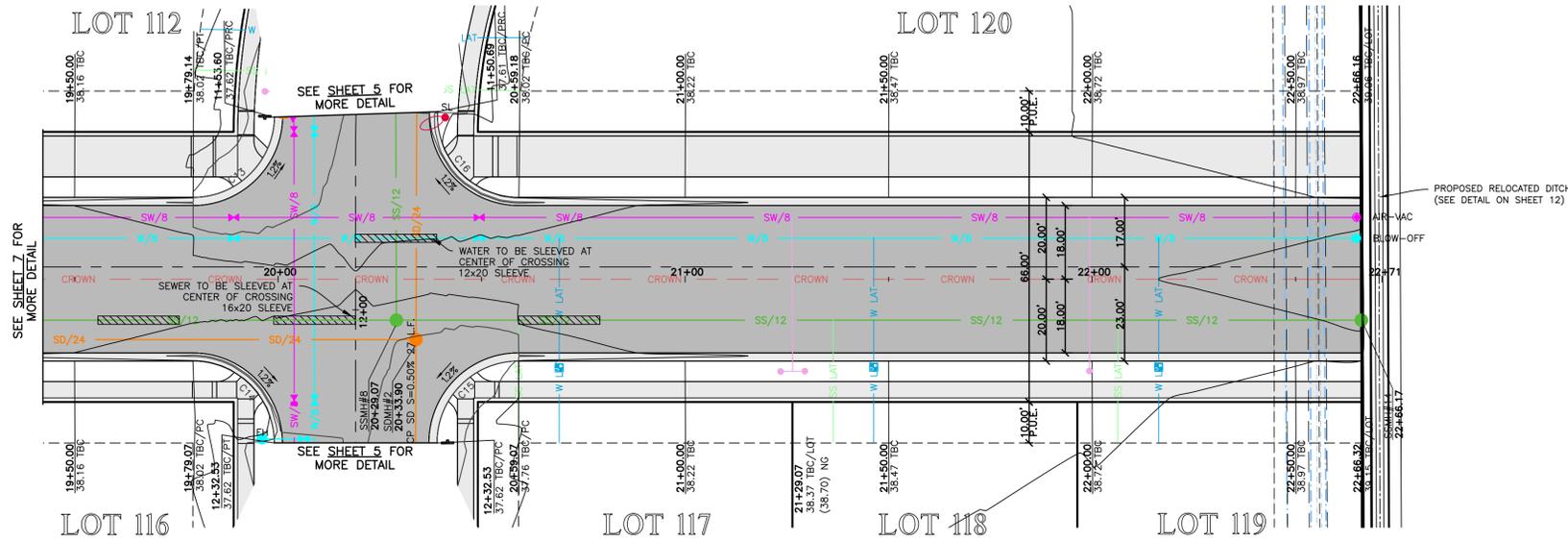
Anselmi Acres Subdivision
WEBER COUNTY, UTAH

1600 South 14+50.00 - 19+50.00



Project Info.
Engineer: J. NATE REEVE, P.E.
Drafter: N. FICKLIN
Begin Date: MAY, 2023
Name: ANSELMI ACRES SUBDIVISION
Number: 7125-19





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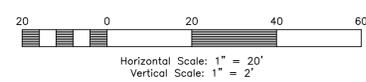
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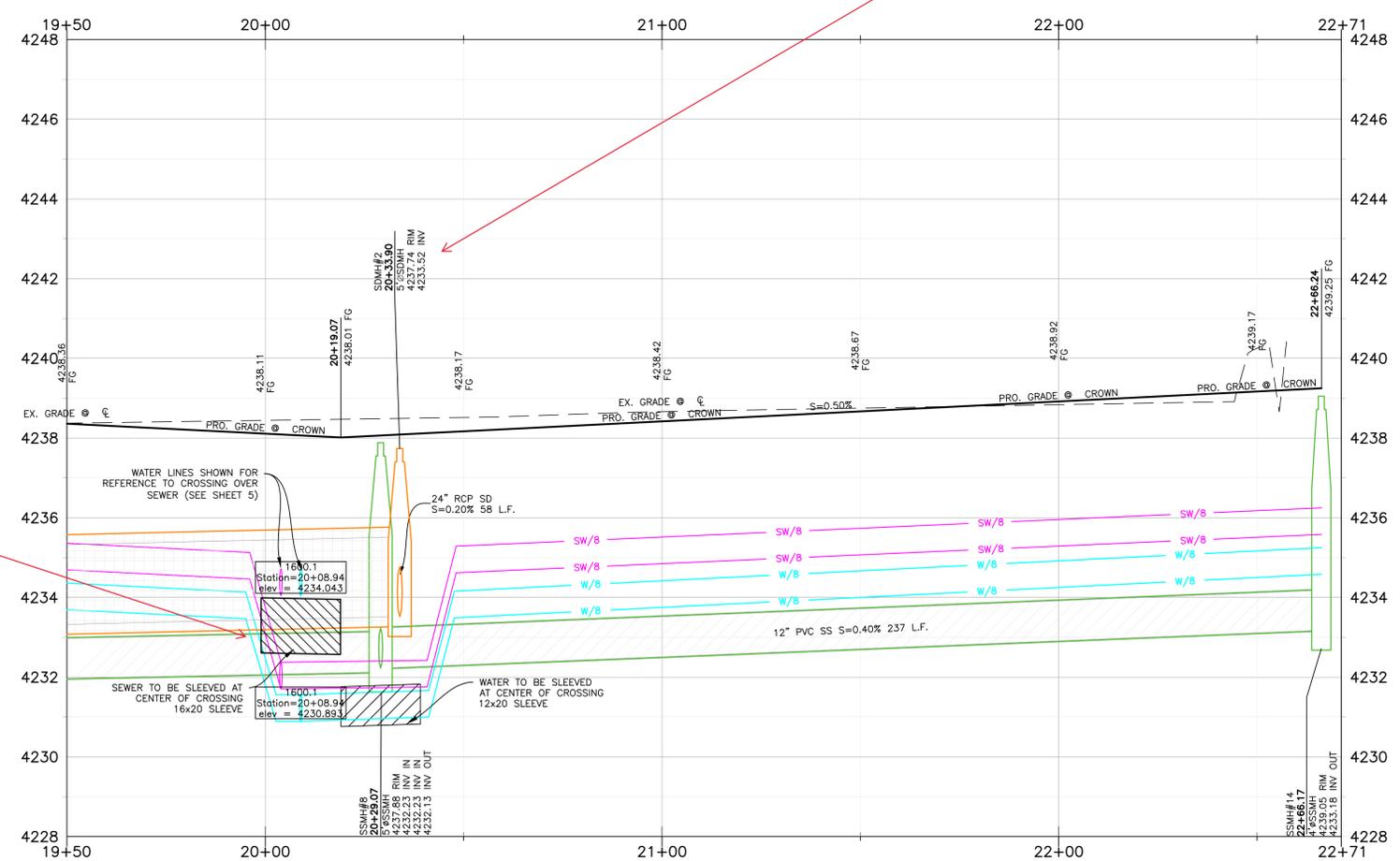
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1600 South 19+50.00 - 22+71.00



Add a In/Out invert elevation on all SD boxes.

This looks off where the sleeving is.



Anselmi Acres Subdivision
 WEBER COUNTY, UTAH

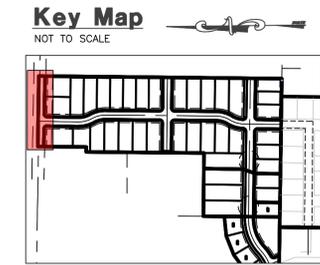
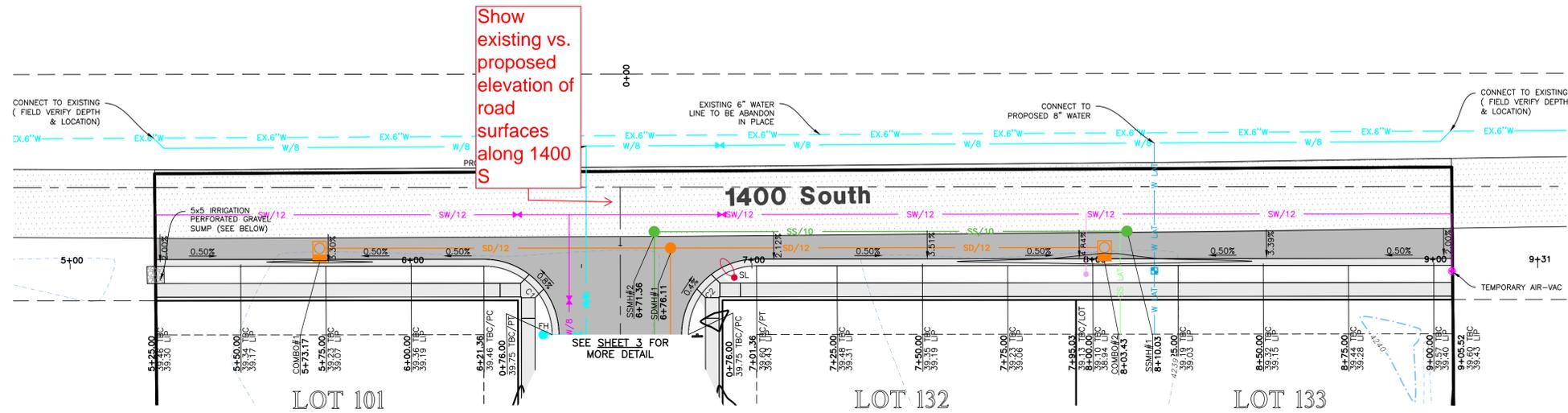
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 Drafter: N. FICKLIN
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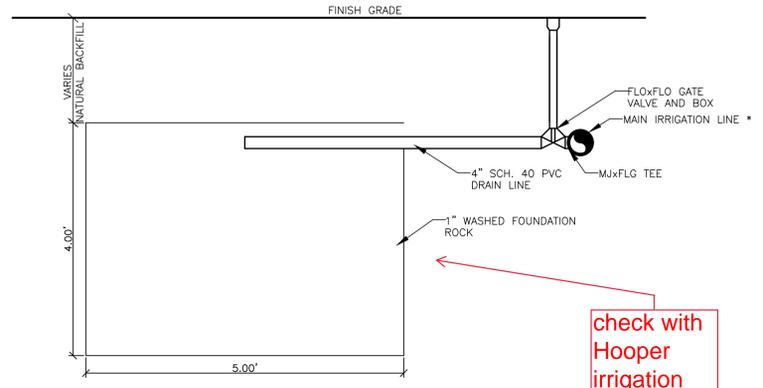
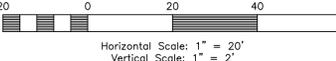
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REVISIONS	DATE	DESCRIPTION
08.01.2023	NE	City Comments
08.07.2023	NE	IRR. & WIR. COMMENTS
12.13.2023	NE	UTILITY OUTFALL

- 1400 SOUTH NOTES:**
1. SAWCUT MIN. 2" INTO EXISTING ASPHALT INSIDE FROM OUTER EDGE FOR TACK SEAL OF NEW ASPHALT ON ROAD WIDENING.
 2. CONTRACTOR TO VERIFY 2% MINIMUM-5% MAX SLOPE FROM EDGE OF ASPHALT TO LIP OF GUTTER.
 3. SLOPE SHALL FLOW TOWARDS CURB & GUTTER UNLESS SPECIFIED DIFFERENT ON PLAN.
 4. ASPHALT SEAL COAT FOR ASPHALT PRESERVATION TO BE COORDINATED WITH COUNTY.

1400 South Street

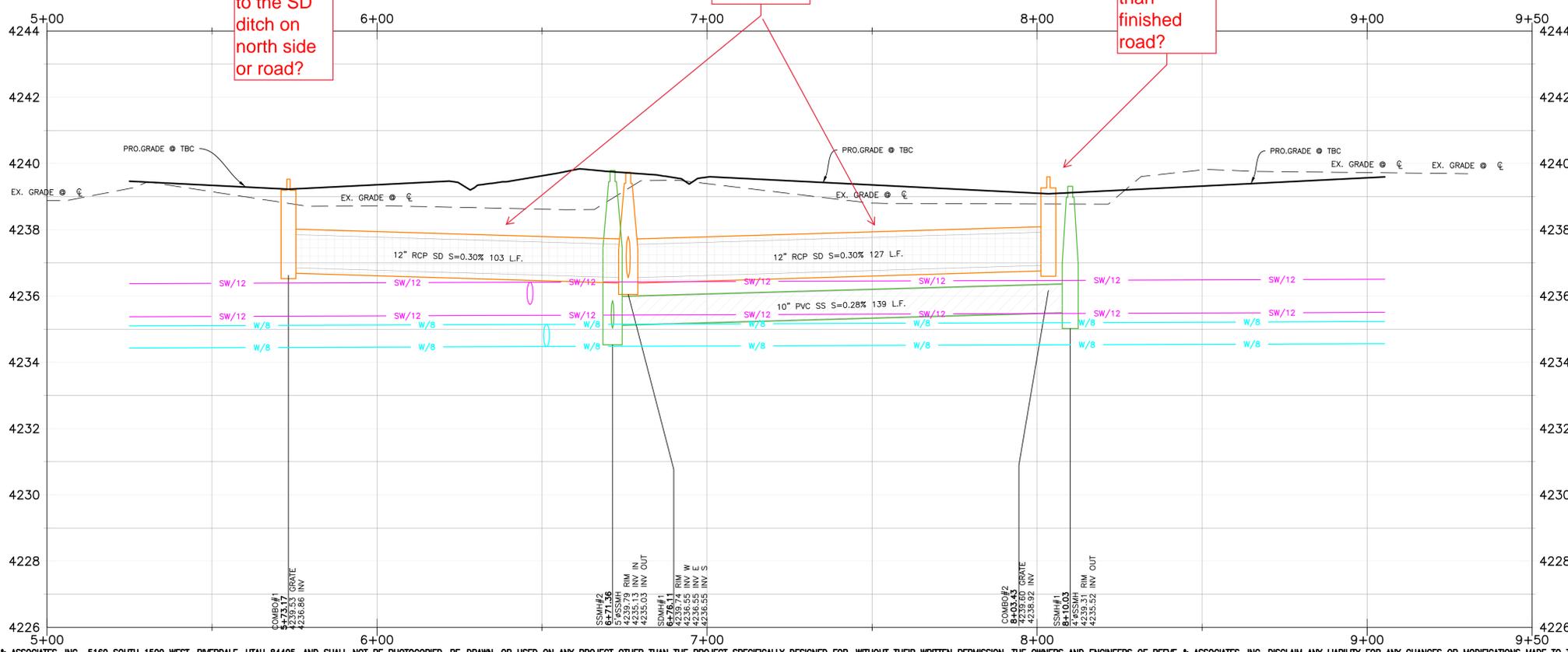


Local Drain w/ Sump
 SCALE: NONE

check with Hooper irrigation for this drain? Can it be taken to the SD ditch on north side or road?

pipe size minimums are 15"

Why are they higher than finished road?



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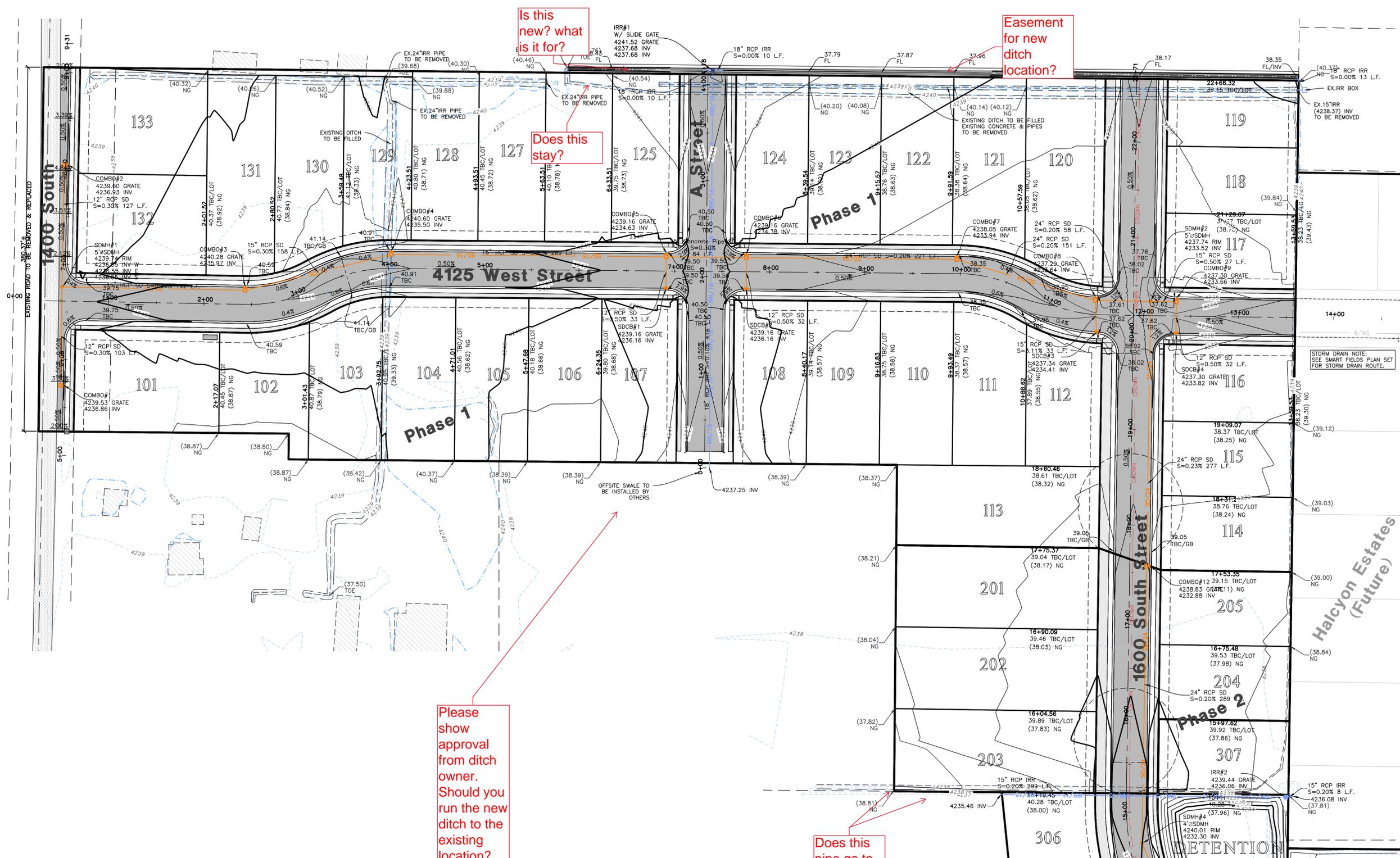
Anselmi Acres Subdivision
 WEBER COUNTY, UTAH

1400 South 5+00.00 - 9+50.00



Project Info.

Engineer:	J. NATE REEVE, P.E.
Drafter:	N. FICKLIN
Begin Date:	MAY, 2023
Name:	ANSELMI ACRES SUBDIVISION
Number:	7125-19



Is this new? what is it for?

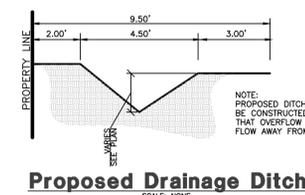
Does this stay?

Easement for new ditch location?

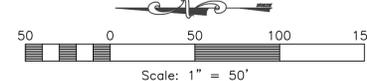
Please show approval from ditch owner. Should you run the new ditch to the existing location?

Does this pipe go to Proper line?

Get approval for proposed ditch design and locations.



Proposed Drainage Ditch



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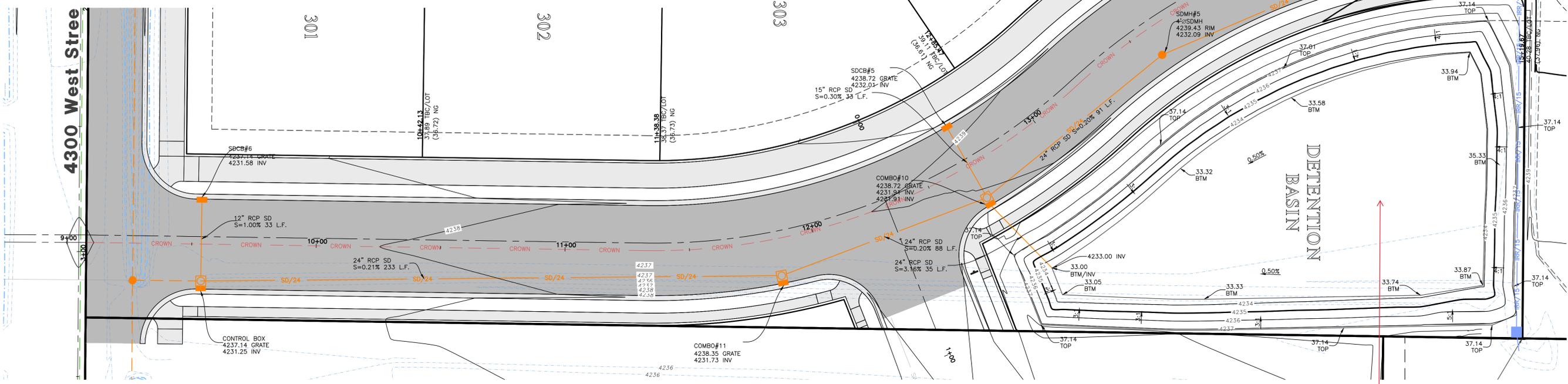
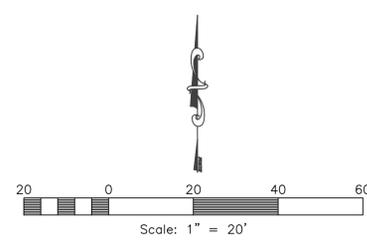
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Grading Plan



Project Info.

Engineer: J. NATE REEVE, P.E.
 Drafter: N. FICKLIN
 Begin Date: MAY, 2023
 Name: ANSELMI ACRES SUBDIVISION
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The following runoff calculations are based on the Rainfall - Intensity - Duration Frequency Curve for the West Weber City 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 limited to a release rate of 0.1 cfs/acre.

The calculations are as follows:

Drainage Area:
 Total Area = 18.23 acre or 794,069 ft²
 Runoff Coefficients:
 20% Paved Area 158,000 C = 0.9
 11% Roof 90,000 C = 0.9
 78% Landscaped Area 616,868 C = 0.2
 Weighted Runoff Coefficient C = 0.40

LID Retention:
 80th Percentile Rainfall Event 0.6 in
 Is the site Feasible for LID? No
 Site Imperviousness 0.31
 NRCS Soil Group C/D
 Rv Equation 0.83*1.122
 R_v 0.22
 V_{ret} 8,930 c.f.

Rainfall Intensity:
 15-yr intensity for a 30 minute TOC - Pipe Capacity 1.39 in/hr

Peak Run-off:
 Runoff Coefficient C = 0.40
 Rainfall Intensity i = 1.39 in./hr.
 Acroage A = 18.85 ACRES
 Q = 11.86 cfs

Volume of Run-off for 100-year Storm Event:
 C = 0.40
 I = See Below in/hr
 A = 794069 sq. ft.
 Q(out) = 1.82 ft³/s (0.1 cfs per acre)
 time (min) time (sec) i (in./hr.) (cfs) (cfs) (cfs) Difference (cfs)

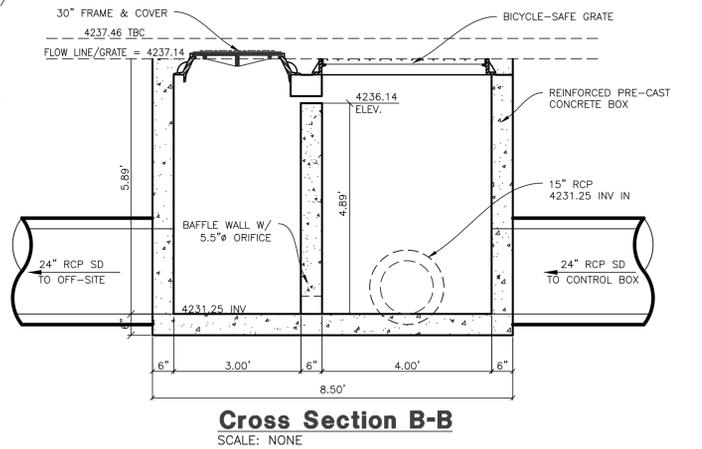
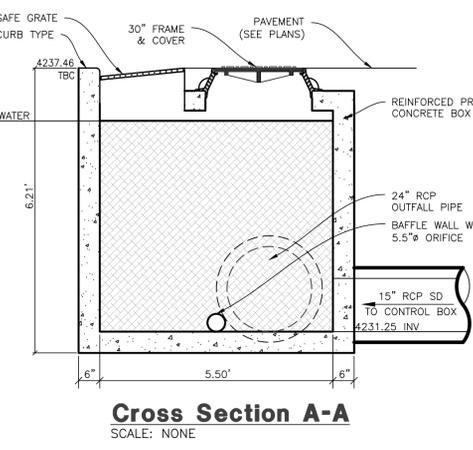
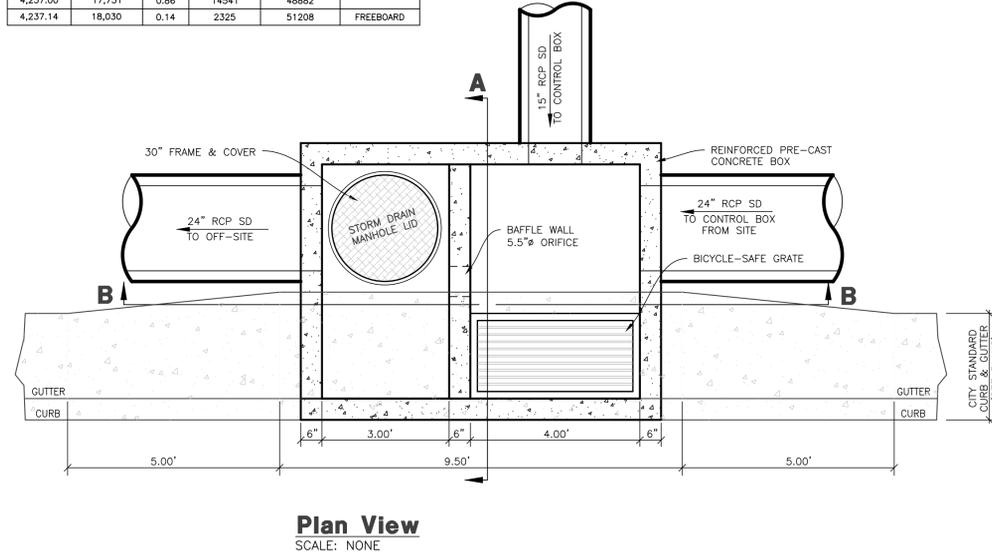
0	0	0.00	0.00	0	0	0
5	300	6.59	48.54	14582	547	14015
10	600	5.00	36.83	22097	1094	21004
15	900	4.14	30.49	27445	1641	25804
30	1800	2.79	20.55	36991	3281	33710
60	3600	1.72	12.67	45609	6563	39047
120	7200	0.94	6.95	50084	13125	36959
180	10800	0.64	4.73	51072	19668	31384
360	21600	0.38	2.64	56958	39376	17583
720	43200	0.22	1.62	70005	78751	-8748
1440	86400	0.12	0.91	78914	157501	-78587

Orifice Sizing:
 Given: Q = 1.82 cfs
 Z₀ = 84.4 ft²
 H = 4.89 ft
 Cd = 0.62 for circular openings
 R = SQRT(Q/pa(0.7(64.4*H)^{0.5}))
 R = 0.23 feet
 R = 2.76 inches
 D = 5.51 inches
 A = 23.87 inches² 0.1658 ft²

SUMMARY:
 The required 100-yr storage volume is 39,047 cubic feet
 The required LID Retention volume is Not Feasible cubic feet
 Orifice size is 5.5 inches

DETENTION BASIN - STAGE STORAGE TABLE

ELEV.	AREA (sq. ft.)	DEPTH (ft)	CONIC INC. VOL. (cu. ft.)	CONIC TOTAL VOL. (cu. ft.)	
4,233.00	0	N/A	N/A	0	
4,234.00	12,270	1.00	4096	4096	
4,235.00	13,987	1.00	13119	17216	
4,236.00	15,814	1.00	14891	32108	
4,236.14	16,079	0.14	2232	34340	HIGHWATER
4,237.00	17,751	0.86	14541	48882	
4,237.14	18,030	0.14	2325	51208	FREEBOARD



Control Box/ Combo Box
SCALE: NONE

What material is the pond?

Add 1' Sump to Control Box

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REVISIONS

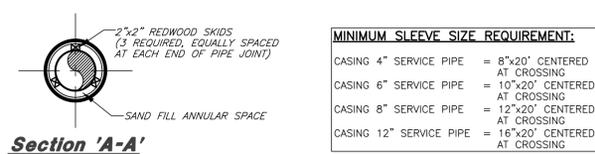
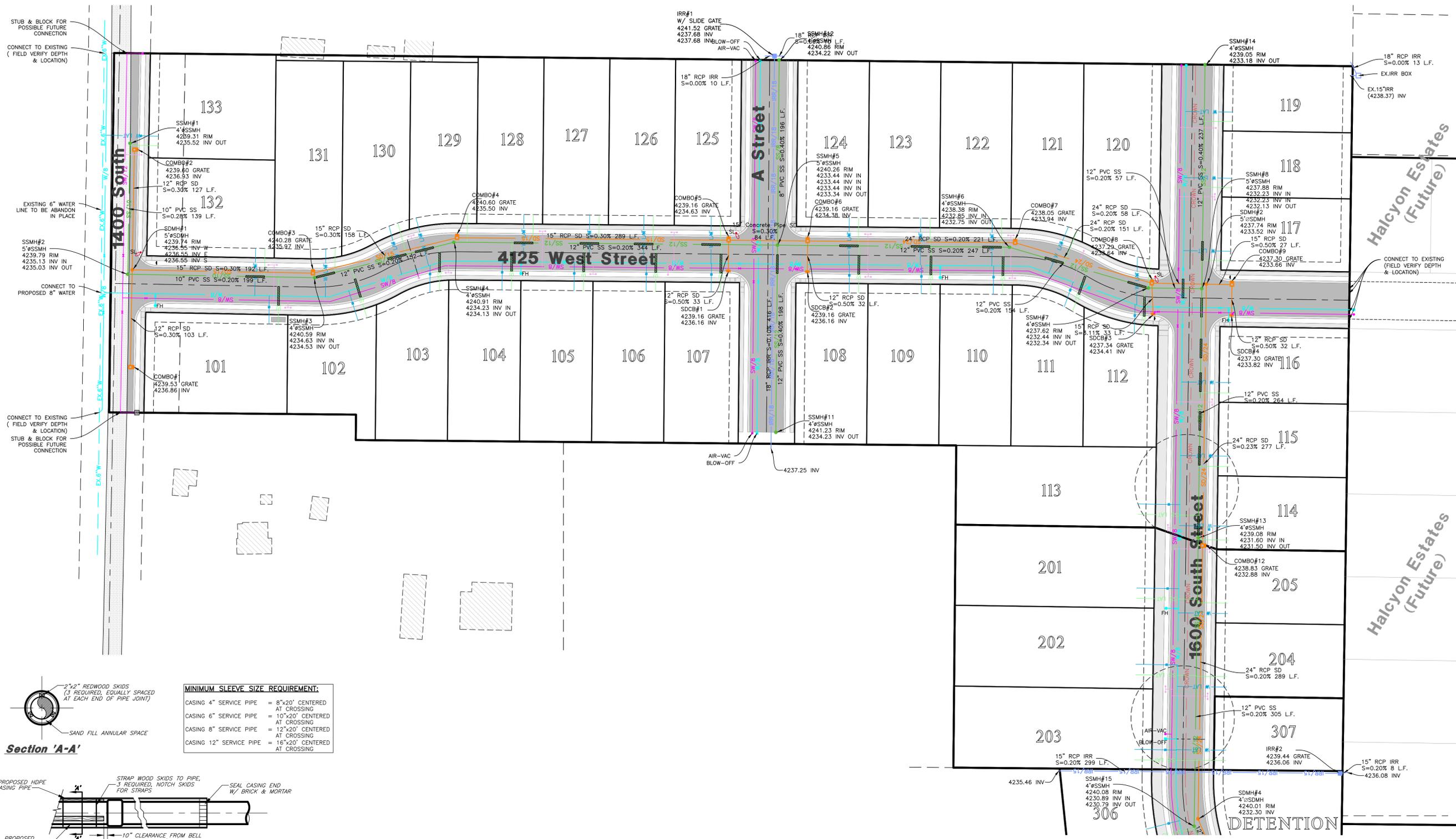
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 WEBER COUNTY, UTAH

Basin Detail

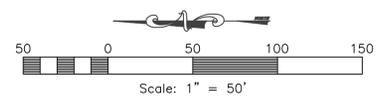
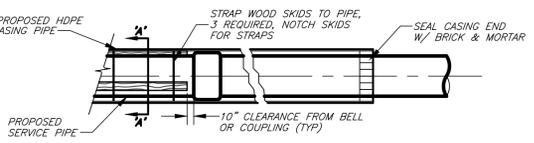


Project Info.
 Engineer: J. NATE REEVE, P.E.
 Drafter: N. FICKLIN
 Begin Date: MAY, 2023
 Name: ANSELMI ACRES SUBDIVISION
 Number: 7125-19



MINIMUM SLEEVE SIZE REQUIREMENT:

CASING 4" SERVICE PIPE	= 8"x20" CENTERED AT CROSSING
CASING 6" SERVICE PIPE	= 10"x20" CENTERED AT CROSSING
CASING 8" SERVICE PIPE	= 12"x20" CENTERED AT CROSSING
CASING 12" SERVICE PIPE	= 18"x20" CENTERED AT CROSSING



Notice:
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REVISIONS

DATE	DESCRIPTION
08.01.2023	NF City Comments
08.07.2023	NF Irr. & Wtr. Comments
12.13.2023	NF Utility Outfall

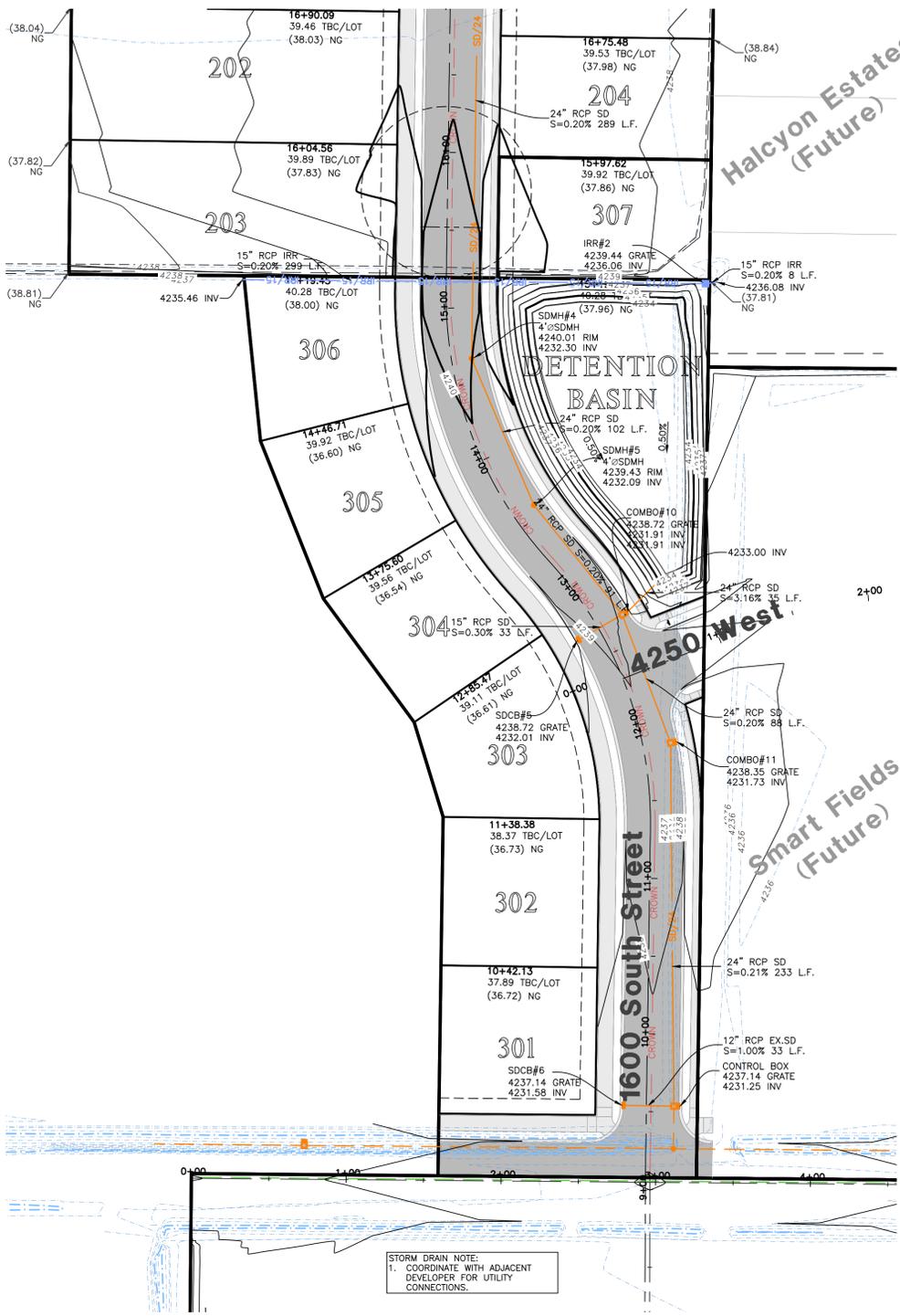
Anselmi Acres Subdivision
WEBER COUNTY, UTAH

Utility Plan

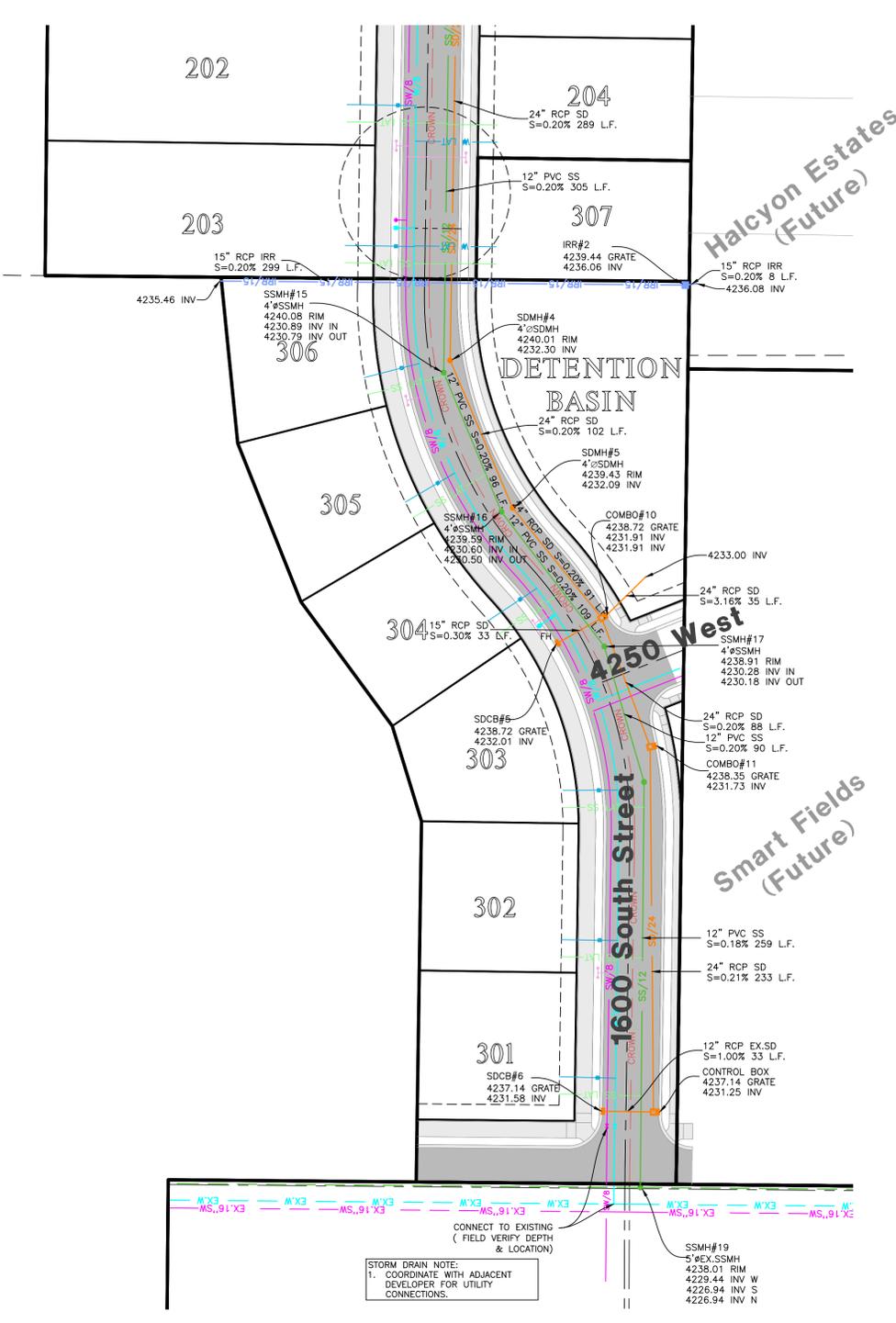


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Phase 3 Grading Plan
 Scale: 1" = 50'



Phase 3 Utility Plan
 Scale: 1" = 50'

Other phases?

STORM DRAIN NOTE:
 1. COORDINATE WITH ADJACENT DEVELOPER FOR UTILITY CONNECTIONS.

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REVISIONS	DATE	DESCRIPTION
	08.01.2023	NE City Comments
	08.07.2023	NE Irr. & Wtr. Comments
	12.13.2023	NE Utility Outfall

Anselmi Acres Subdivision
 WEBER COUNTY, UTAH

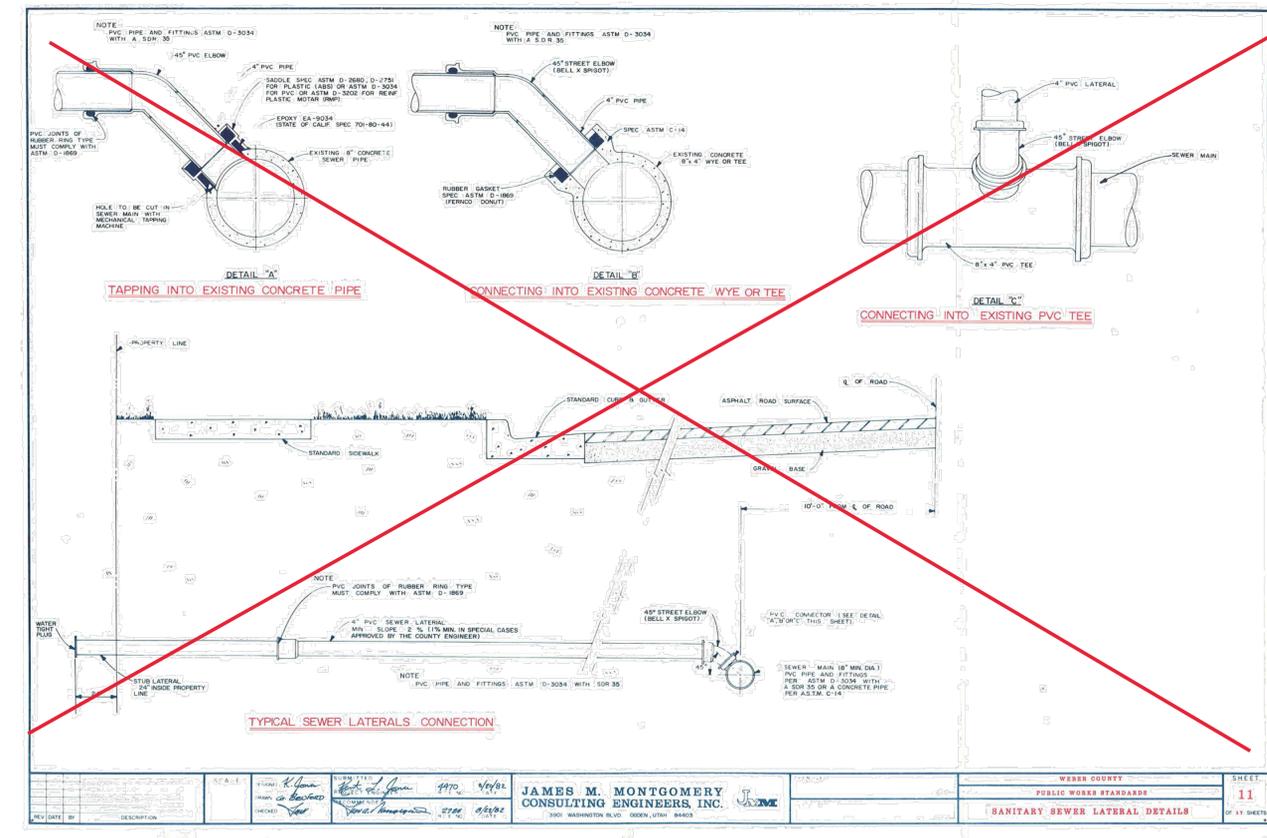
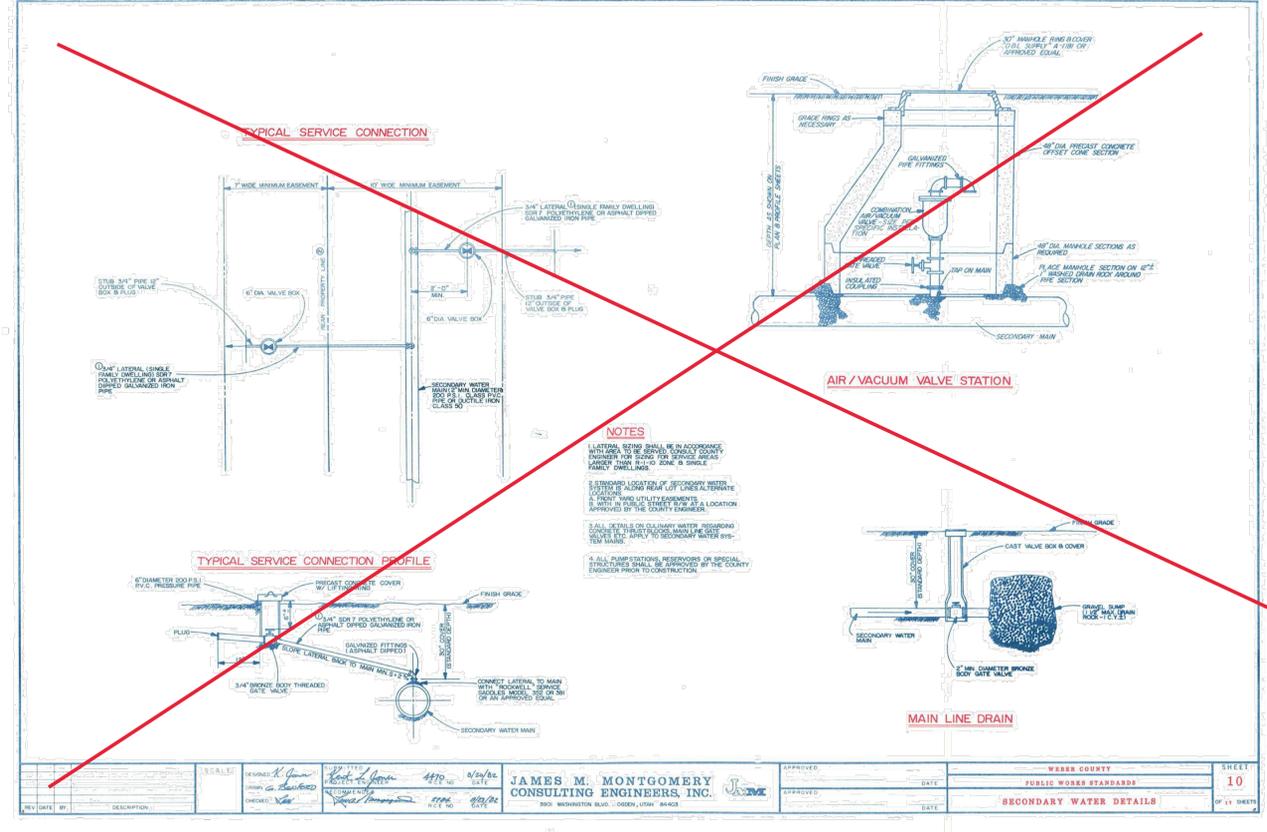
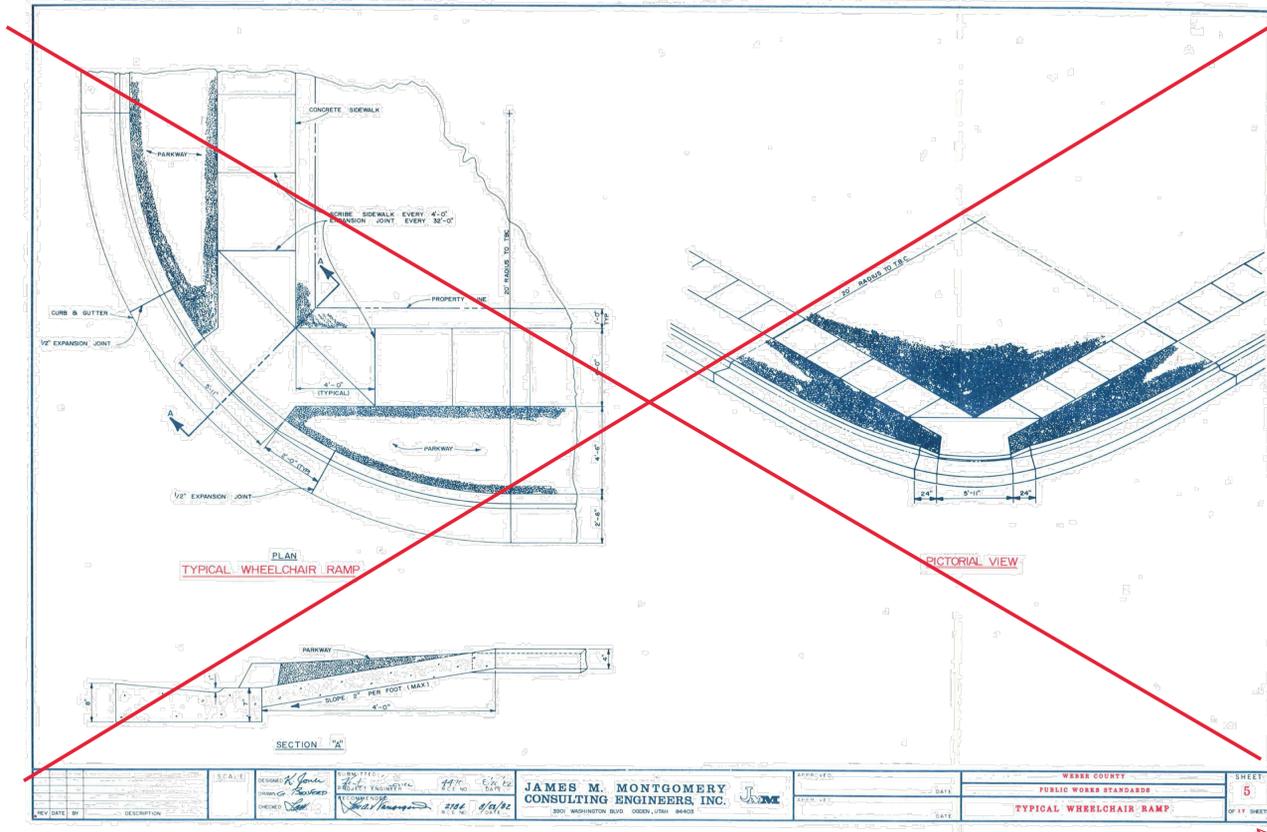
Phase 3 Grading & Utility Plan



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 Drafter: N. FICKLIN
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 Name: ANSELMI ACRES SUBDIVISION
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Hooper irrigation specs

APWA specs

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REVISIONS	DATE	DESCRIPTION
1	08.01.2023	NE City Comments
2	08.07.2023	NE Irr. & Wtr. Comments
3	12.13.2023	NE Utility Outfall

DATE	DESCRIPTION	SCALE	APPROVED	DATE	DATE	DATE	DATE
08/01/2023	NE City Comments			08/07/2023	NE Irr. & Wtr. Comments	12/13/2023	NE Utility Outfall

Anselmi Acres Subdivision
 WEBER COUNTY, UTAH
Standard Details



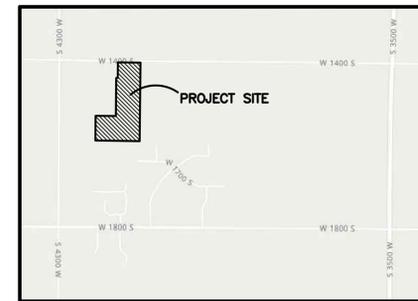
Project Info.

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 Drafter: N. FICKLIN
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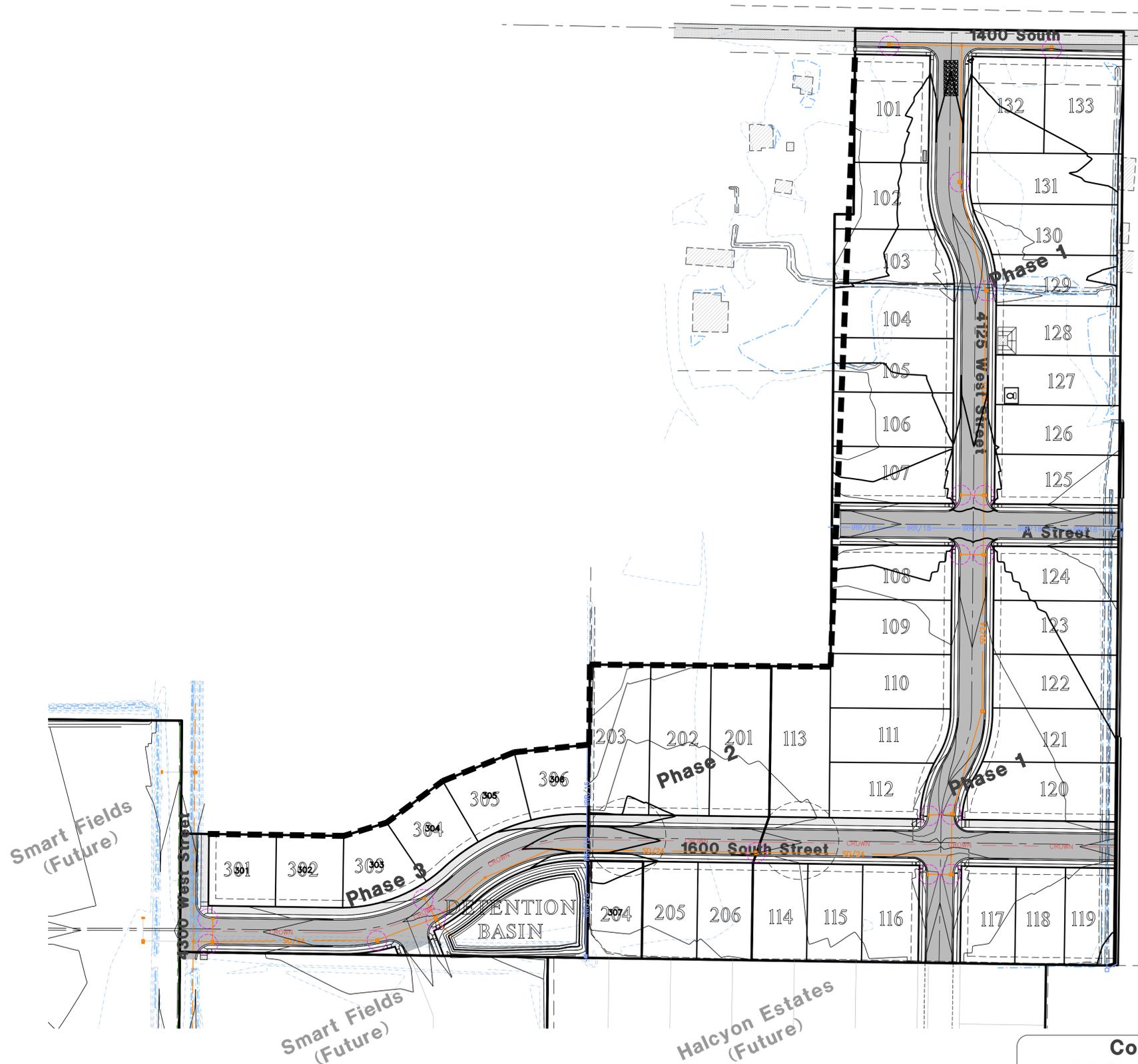
ANSELMI ACRES

Storm Water Pollution Prevention Plan Exhibit

WEBER COUNTY, UTAH
DECEMBER, 2023



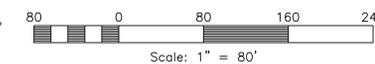
Vicinity Map
NOT TO SCALE



SWPPP Legend

- = PORTABLE TOILET
- = INLET PROTECTION TYP. (SEE DETAIL)
- = SILT FENCE (SEE DETAIL)
- = 50'x20' CONSTRUCTION ENTRANCE W/8" CLEAN GRAVEL
- = CONCRETE WASH AREA (SEE DETAIL) OR AS SELECTED BY CONTRACTOR

- SWPPP NOTES:**
- ALL VEHICLES EXITING SITE TO PROCEED THROUGH CONSTRUCTION ENTRANCE TO REDUCE AMOUNTS OF SEDIMENT TRACKED ONTO ROADWAYS.
 - STREETS TO BE SWEEPED WITHIN 1000 FEET OF CONSTRUCTION ENTRANCE DAILY IF NECESSARY



Construction Activity Schedule

- PROJECT LOCATION.....WEBER COUNTY, (UT)
- PROJECT BEGINNING DATE.....DECEMBER 2023
- BMP'S DEPLOYMENT DATE.....DECEMBER 2023
- STORM WATER MANAGEMENT CONTACT / INSPECTOR.....SKY HAZLEHURST (801) 837-2020
- SPECIFIC CONSTRUCTION SCHEDULE INCLUDING BMP CONSTRUCTION SCHEDULE TO BE INCLUDED WITH SWPPP BY OWNER/DEVELOPER

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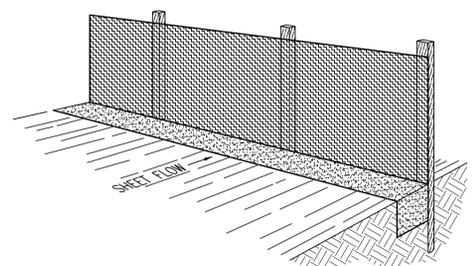
Anselmi Acres Subdivision
 WEBER COUNTY, UTAH
Storm Water Pollution Prevention Plan Exhibit



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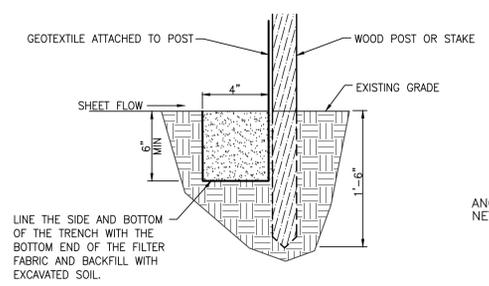
Notes:

- 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



Section

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 fence 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.

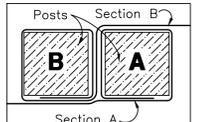
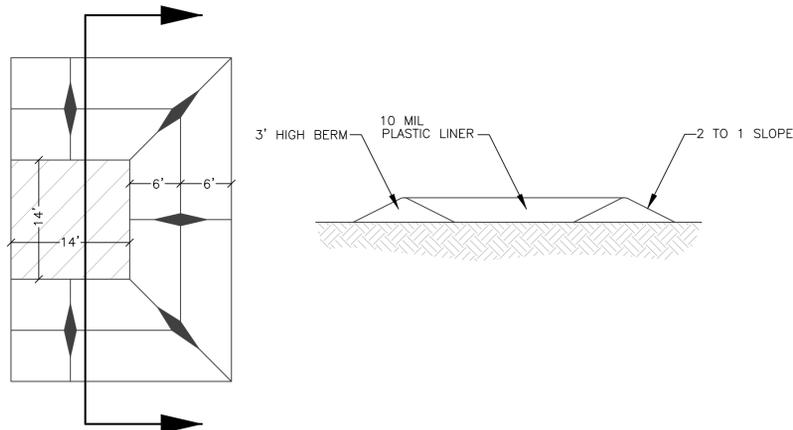


Figure 1: Top View of Roll-to-Roll Connection

FIELD ASSEMBLY:
*Excavate a minimum 15.2cm x 15.2cm (6"x6") trench at the desired location.
*Drive wooden posts, or steel posts with fastening projections, against the downstream wall of the trench. Maximum post spacing should be 2.4-3.0m (8-10ft). Post spacing

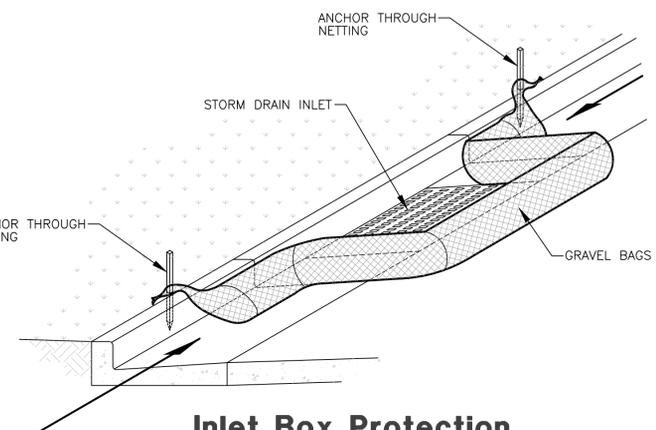
Silt Fence Detail

SCALE: NONE

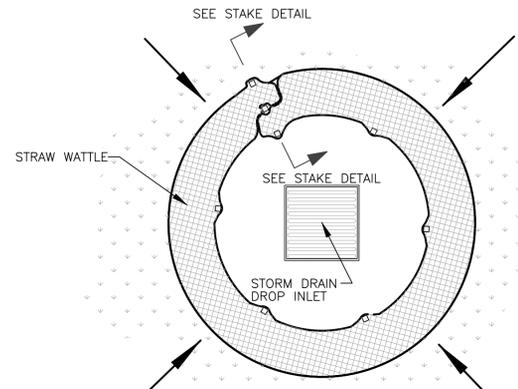


Concrete Washout Area w/ 10 mil Plastic Liner

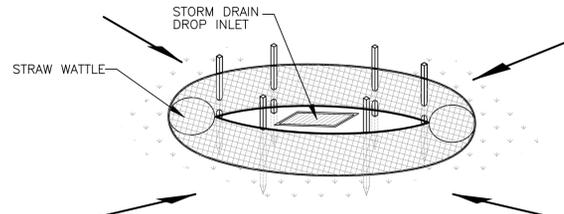
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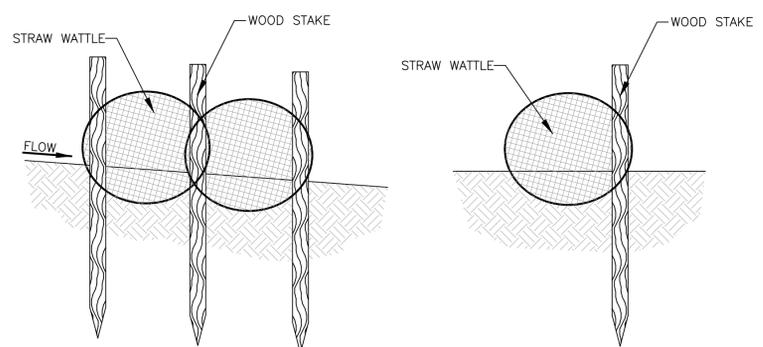
Inlet Box Protection



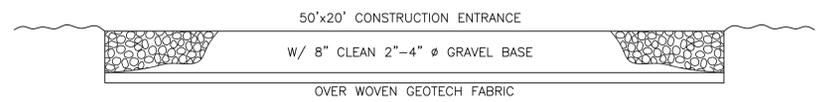
Plan View



Drop Inlet Protection



Stake Detail



Cross Section 50' x 20' Construction Entrance

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Anselmi Acres Subdivision
WEBER COUNTY, UTAH

Storm Water Pollution Prevention Plan Details

REGISTERED PROFESSIONAL ENGINEER
375328
J. NATE REEVE
01/17/2024
STATE OF UTAH

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