

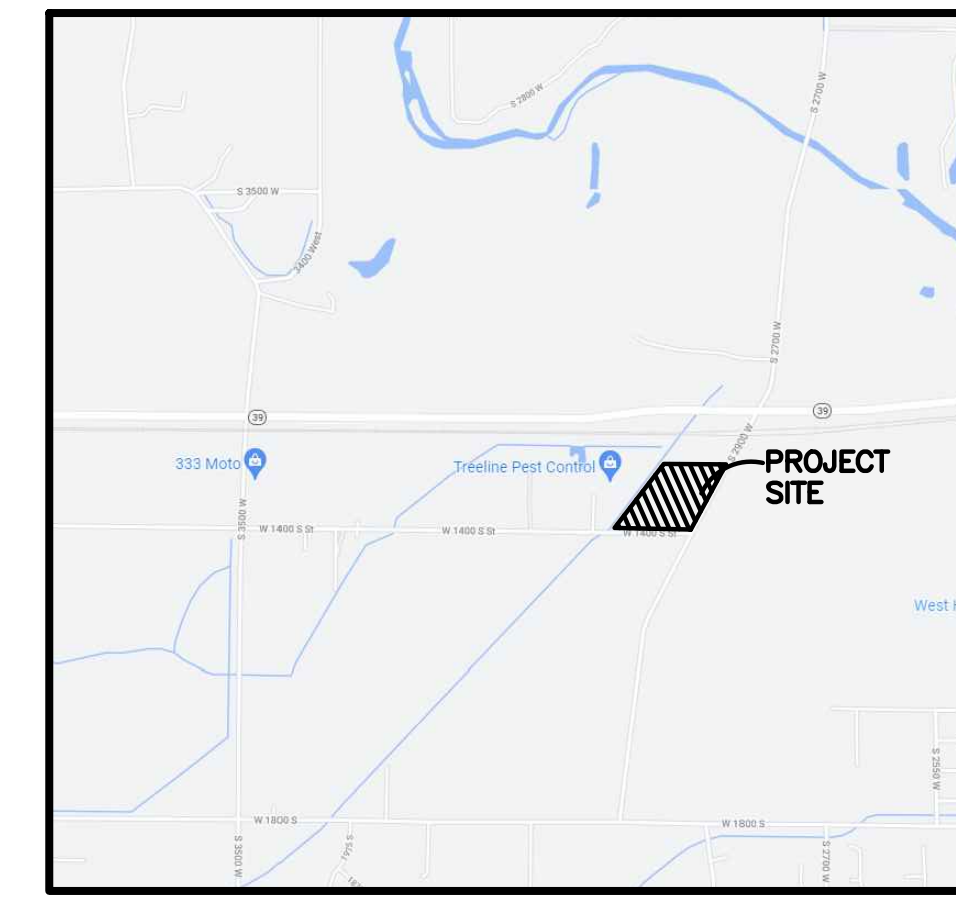
Project Narrative/Notes/Revisions

1. 2021/11/12 NF - COMPLETED DESIGN FOR CLIENT & CITY REVIEW.
2. 2021/12/06 NF - ADDED 12" CULINARY WATER TO BE INSTALLED.
3. 2021/12/22 NF - REVISED PIPE SIZE & ADDED PROFILES.
4. 2022/01/18 PB - ADDED PUMP DETAILS AND CALCS.
5. 2022/04/01 NF - REVISED TAYLOR WEST WEBER WATER COMMENTS.
6. 2022/04/14 NF - REVISED LATERAL LOCATION & IRRIGATION LAYOUT.
7. 2022/05/03 NF - REROUTED IRRIGATION CONNECTION.

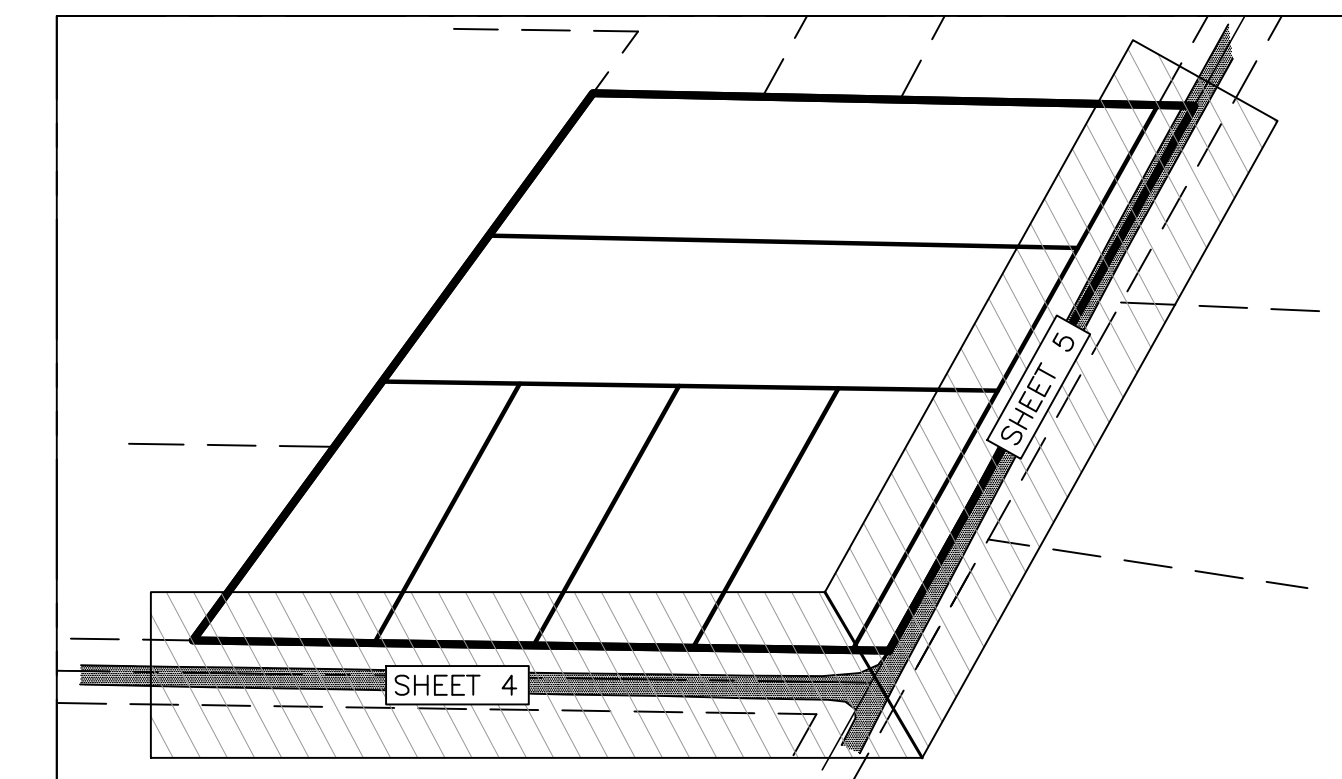
TC GAILEY SUBDIVISION

Improvement Plans

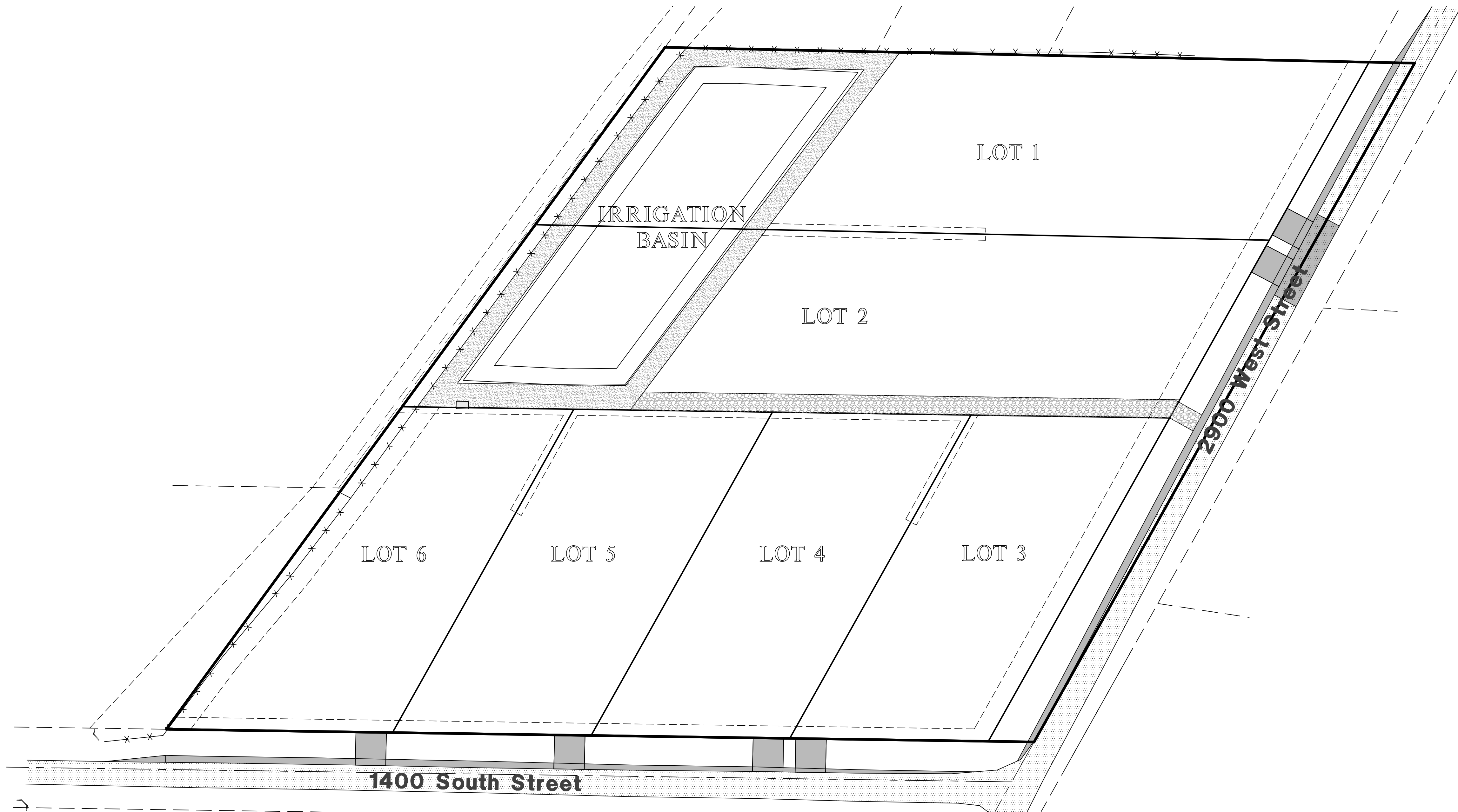
WEBER COUNTY, UTAH
MAY, 2022



Vicinity Map
NOT TO SCALE



Sheet Index Key Map
NOT TO SCALE



Sheet Index

- Sheet 1 - Cover/Index Sheet
- Sheet 2 - Notes/Legend
- Sheet 3 - Grading & Utility Plan
- Sheet 4 - 1400 South Street
- Sheet 5 - 2900 West Street
- Sheet 6 - Details
- Sheet 7 - Storm Water Pollution Prevention Plan Exhibit
- Sheet 8 - Storm Water Pollution Prevention Plan Details

Reeve & Associates, Inc.
5160 SOUTH 1500 WEST, RIVERDALE, UTAH 84405
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TC Gailey Subdivision
WEBER COUNTY, UTAH

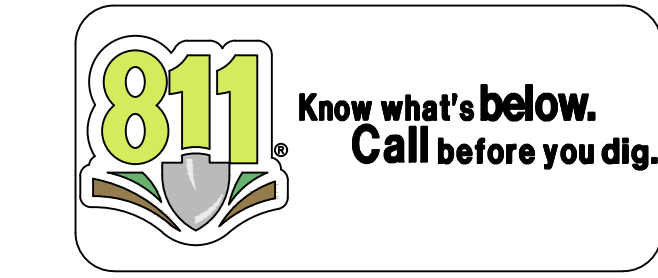
Cover/Index Sheet



Project Info.

Engineer: JEREMY A. DRAPER, P.E.
 Drafter: N. FICKLIN
 Begin Date: NOVEMBER, 2021
 Name: TC GAILEY SUBDIVISION
 Number: 7713-01

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

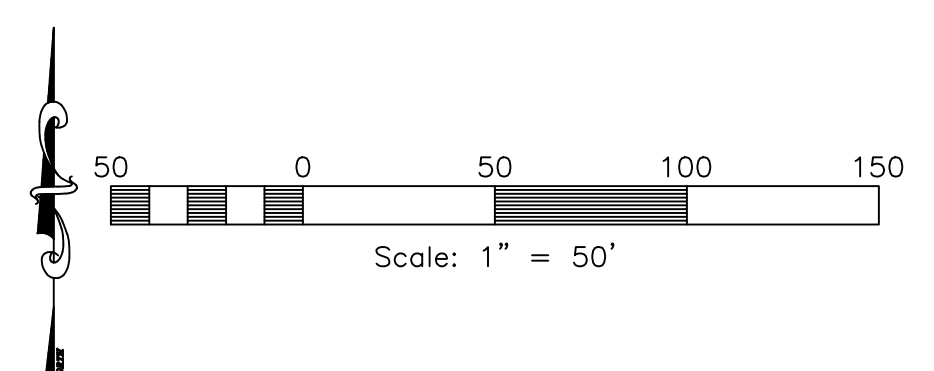


Developer Contact:
Jed Schenck
TDGailey21@gmail.com
1243 E 6600 S
Unitah, UT. 84405
PH: (499) 499-9774

Project Contact:
Jeremy Draper
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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General Notes:

- 1. ALL CONSTRUCTION MUST STRICTLY FOLLOW THE STANDARDS AND SPECIFICATIONS SET FORTH BY: GOVERNING UTILITY MUNICIPALITY, GOVERNING CITY OR COUNTY ENGINEERS, AMERICAN PUBLIC WORKS ASSOCIATION (APWA), AND THE DESIGN ENGINEER... 2. CONTRACTOR TO STRICTLY FOLLOW GEOTECHNICAL RECOMMENDATIONS FOR THIS PROJECT... 3. TRAFFIC CONTROL, STRIPING & SIGNAGE TO CONFORM TO CURRENT GOVERNING AGENCIES TRANSPORTATION ENGINEER'S MANUAL...

Utility Notes:

- 1. CONTRACTOR SHALL COORDINATE LOCATION OF NEW "DRY UTILITIES" WITH THE APPROPRIATE UTILITY COMPANY... 2. EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING A COMBINATION OF ON-SITE SURVEYS (BY OTHERS)... 3. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION...

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 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...

- 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 (NPS) MODEL STANDARDS FOR ANY SURVEYING OR CONSTRUCTION LAYOUT TO BE COMPLETED USING REEVE & ASSOCIATES, INC. SURVEY DATA OR CONSTRUCTION IMPROVEMENT PLANS...

Erosion Control General Notes:

THE CONTRACTOR TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL FOR CONSTRUCTION OF THIS PROJECT. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO GOVERNING AGENCIES ORDINANCES AND ALL WORK SHALL BE SUBJECT TO INSPECTION BY THE COUNTIES...

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.

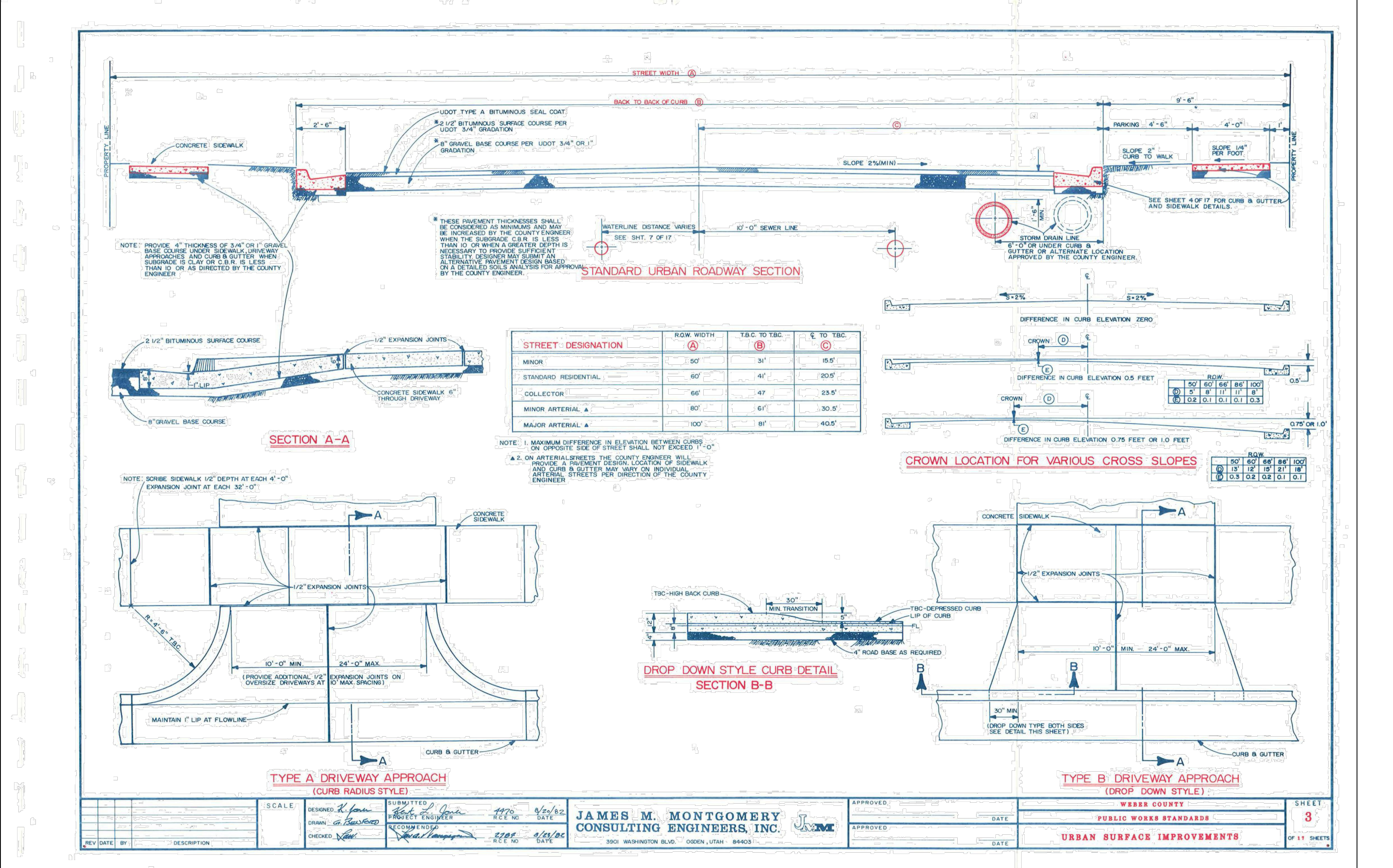
THE CONTRACTOR'S RESPONSIBILITY SHALL INCLUDE MAKING BI-WEEKLY CHECKS ON ALL EROSION CONTROL MEASURES TO DETERMINE IF REPAIR OR SEDIMENT REMOVAL IS NECESSARY. CHECKS SHALL BE DOCUMENTED AND COPIES OF THE INSPECTIONS KEPT ON SITE.

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

Legend table listing symbols for water meters, catch basins, water lines, sewer lines, storm drain lines, land drain lines, irrigation lines, fences, drainage swales, overhead power lines, fire hydrants, manholes, sewer cleanouts, gate valves, gate valves, plug & block, air vac assemblies, dual secondary meters, right-of-way, storm drain, sanitary sewer, top back of curb, top of asphalt, top of concrete, top of finished floor, top of stairs, top of wall, top of sidewalk, culinary water, water meter, existing asphalt pavement, proposed asphalt pavement, proposed concrete, proposed gravel, existing contour grade, proposed contour grade, ending point, finish floor, finish floor elevation, finished grade, fire hydrant, flow line, grade break, invert, linear feet, natural grade, point of curvature, power/utility pole, point of return curvature, point of tangency, public utility easement, reinforced concrete pipe, rim of manhole.



*CURB, GUTTER AND SIDEWALK SUBJECT TO A DEFERRAL AGREEMENT.

Reeve & Associates, Inc. logo and contact information: 5160 SOUTH 1500 WEST, RIVERDALE, UTAH 84045. Phone: (801) 621-3100. Website: www.reeve-associates.com

REVISIONS table with columns: DATE, DESCRIPTION, 2021.12.06, NF Added 12" Water, 2022.01.18, PB Added Pump Det., 2022.04.01, NF Taylor West Weber, 2022.04.14, NF Utility Location, 2022.05.03, NF Relocated Irrigation.

TC Gailey Subdivision Notes/Legend. Project location: WEBER COUNTY, UTAH. Includes a circular seal for Registered Professional Engineer JERRY A. DRAPER, No. 5338480, State of Utah, dated 05/03/2022.

Project Info. Engineer: JERRY A. DRAPER, P.E. Drafter: N. FICKLIN. Begin Date: NOVEMBER, 2021. Name: TC GAILEY SUBDIVISION. Number: 7713-01. Total Sheets: 8.



Landscape Irrigation Calculations Powers Property

7/19/2021
7713-01

The following calculations are used to determine the amount of water needed for landscape irrigation and the volume required for storage. Calculations are based on historic evapotranspiration rates (Eto) in the Salt Lake City Area and the peak demand for lawn irrigation. Peak demand for irrigation occurs in the month of July. The following table is based on a 7 month growing season from April to October. The assumption is made that each lot is entirely landscaped with lawn.

Landscape Irrigation Requirement Calculations									
Monthly Water Allowance (gallons) = ETO x 1.0 x 0.62 x Area									
353,278									
Month	April	May	June	July (Peak)	August	Sept	Oct		
ETO (inches)	3.4	4.6	5.4	6.2	5.6	3.7	2.3		
Gallons Monthly	735,949	1,005,359	1,182,775	1,360,191	1,226,581	814,800	503,774		
Gallons Weekly	183,987	251,340	295,694	340,048	306,645	203,700	125,944		
Gallons Daily	24,532	33,512	38,154	43,877	39,567	27,160	16,792		
Gallons Annually	6,829,429								

Days Between Receiving Water: 7 Days
Required Storage Volume: 45,455 ft³

STAGE STORAGE TABLE						
ELEV.	AREA (sq. ft.)	DEPT (ft)	AVG END INC. VOL. (cu. ft.)	AVG END TOTAL VOL. (cu. ft.)	CONIC INC. VOL. (cu. ft.)	CONIC TOTAL VOL. (cu. ft.)
4,247.10	0.00	N/A	N/A	0.00	N/A	0.00
4,248.00	4,448.92	0.90	1999.79	1334.47	1334.47	1334.47
4,249.00	14,891.12	1.00	9670.02	9159.80	10494.27	10494.27
4,250.00	26,000.57	1.00	20445.84	32115.65	20189.50	30683.77
4,250.60	30,112.48	0.60	16833.91	48949.57	16818.83	47502.60
4,251.00	31,834.03	0.40	12389.30	61338.87	12387.71	59890.31
4,251.60	311.79	0.60	9643.75	70982.62	7059.26	66949.57

BASIN NOTES:
TOP/BERM = 4251.60
HIGH WATER = 4250.60
BOTTOM INV IN = 4250.60
BOTTOM INV OUT = 4247.10
BOTTOM SLOPE = 1.0%
SIDE SLOPE = 3:1

Construction Notes:

1. ALL CONSTRUCTION IS TO CONFORM TO THE STANDARD DRAWINGS AND SPECIFICATIONS OF TAYLOR WEST WEBER WATER DISTRICT.

CULINARY WATER

W/LAT - 1" POLY PIPE, 1" METER
FIRE HYD. - 6" PVC DR-18 C-900
W/12 - 12" C-900 PVC

STORM DRAIN

SD/15 - 15" RCP CLASS III STORM DRAIN

SECONDARY WATER

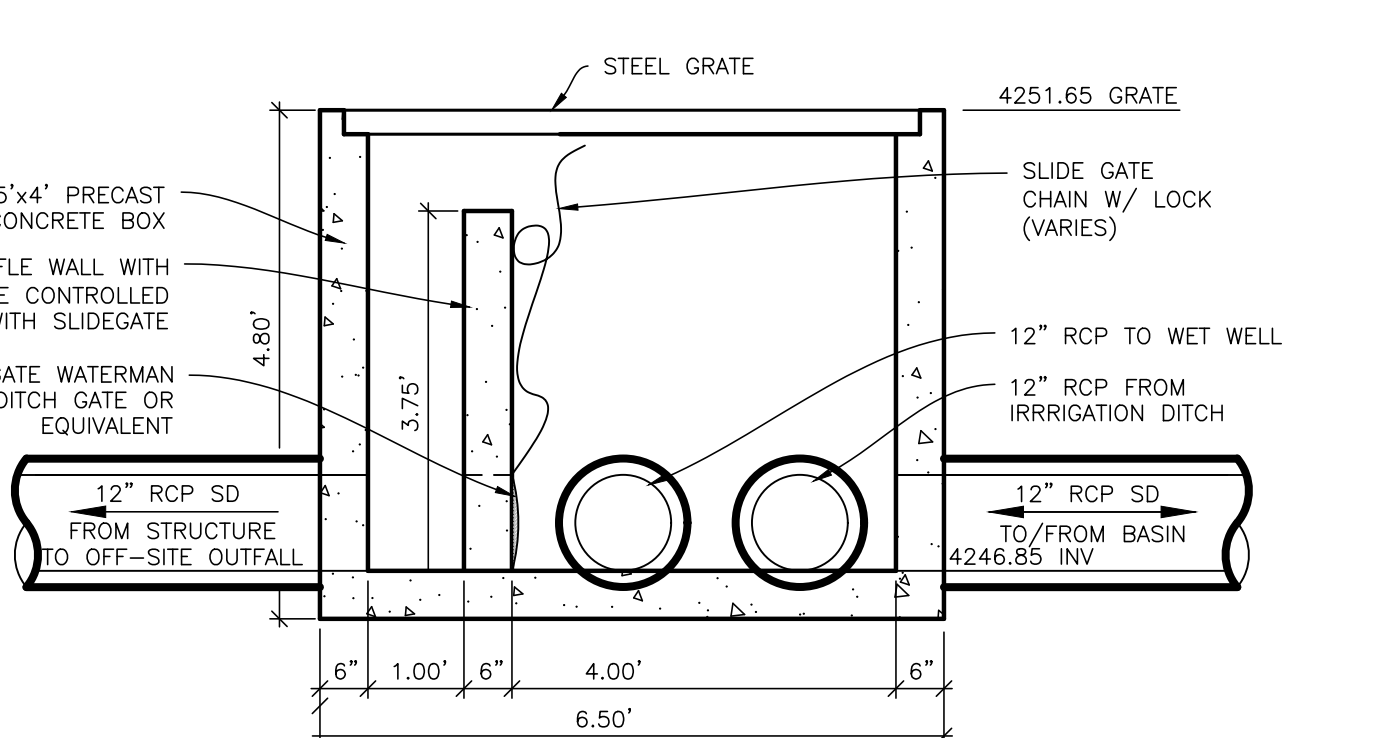
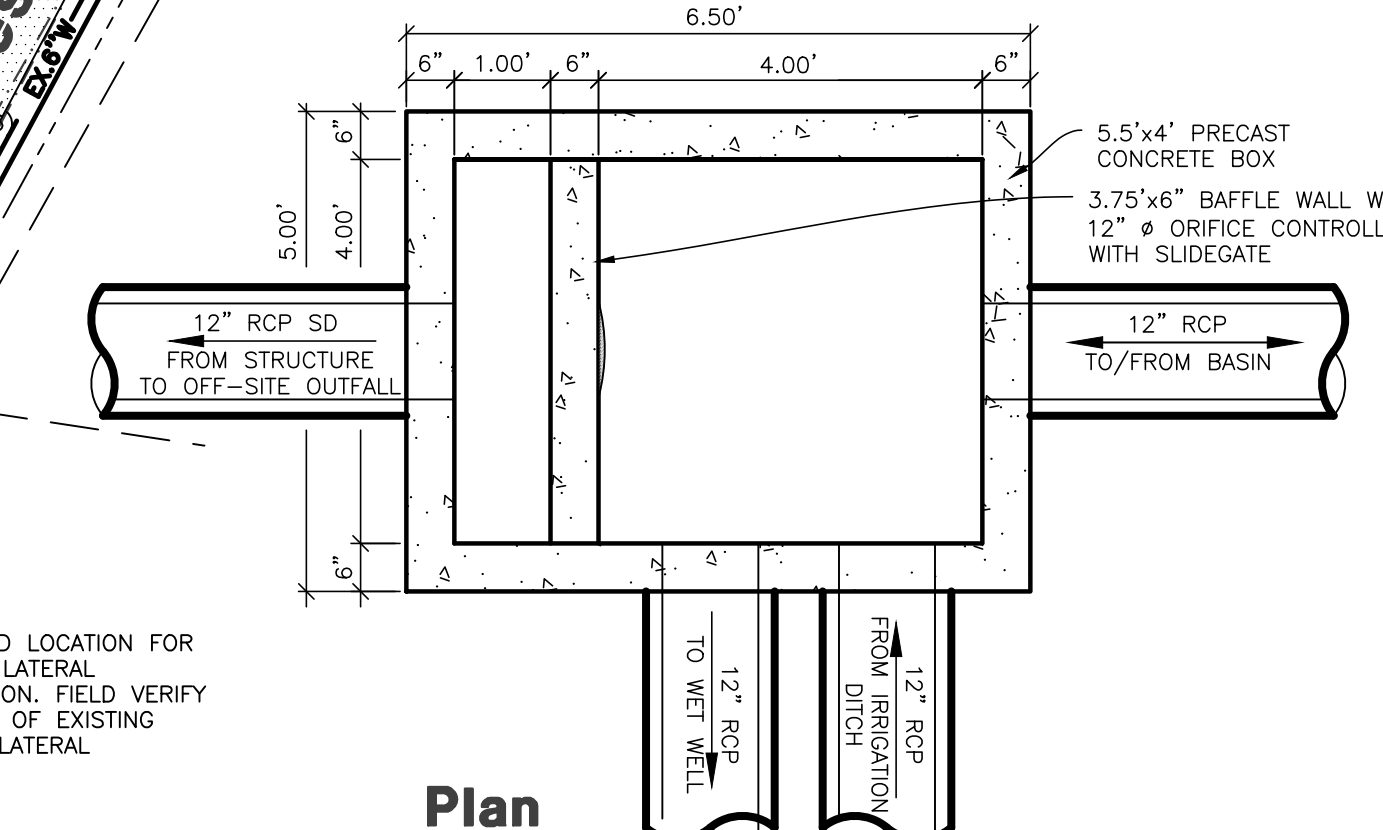
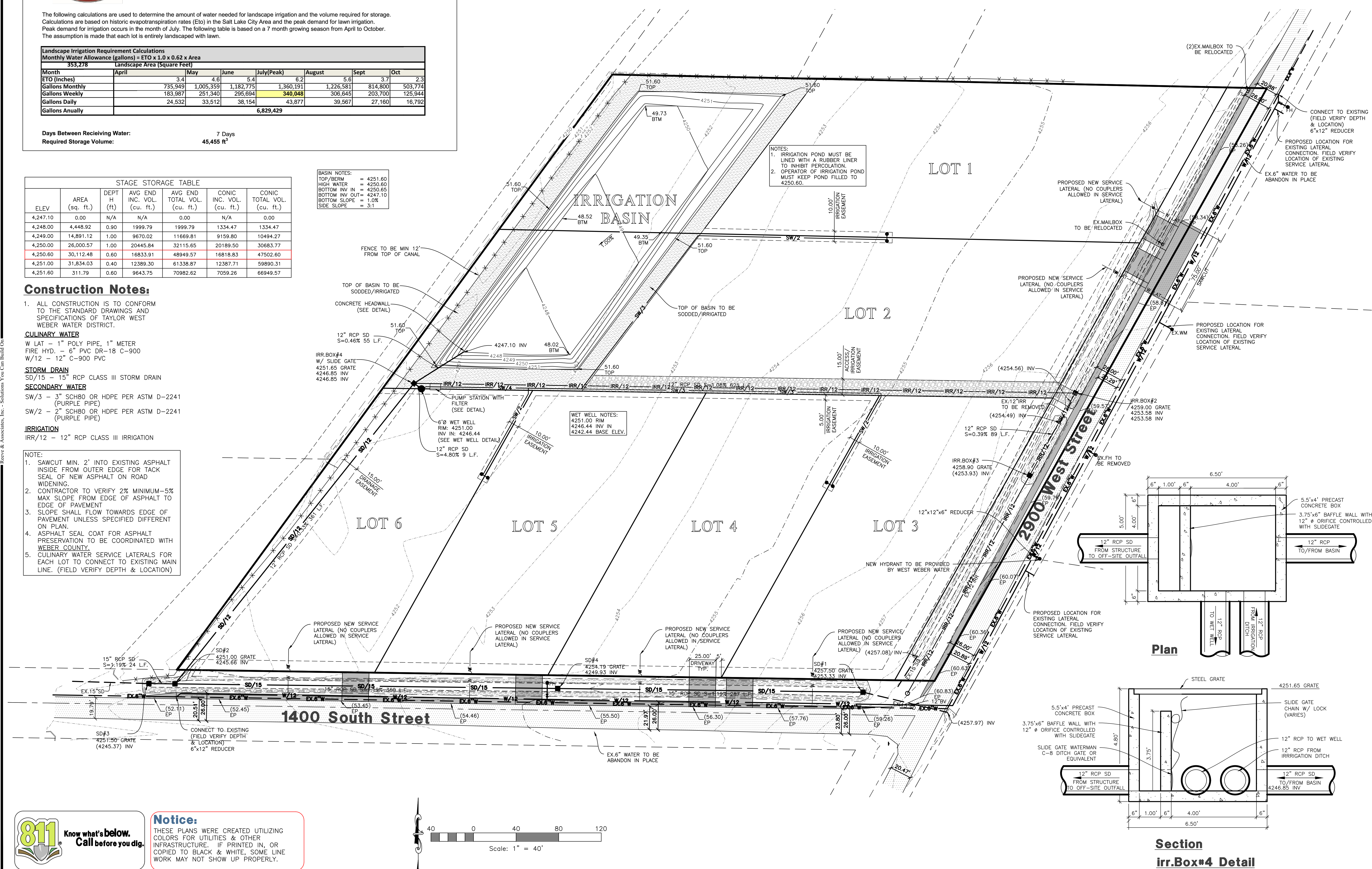
SW/3 - 3" SCH80 OR HDPE PER ASTM D-2241 (PURPLE PIPE)
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IRRIGATION

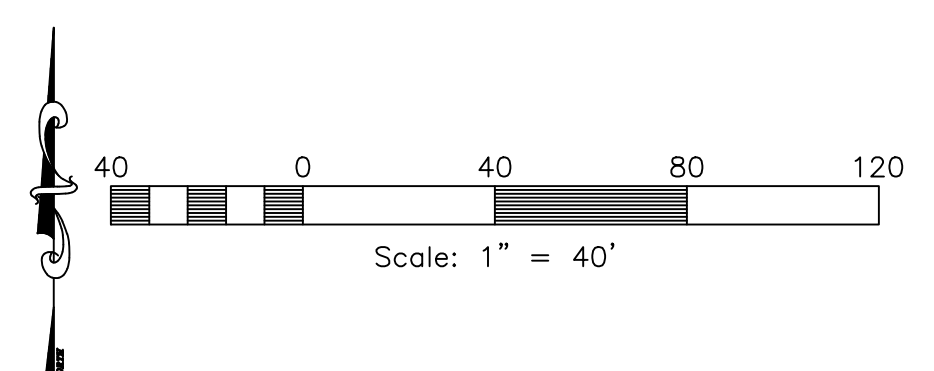
IRR/12 - 12" RCP CLASS III IRRIGATION

NOTE:

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Section
ir.Box#4 Detail
SCALE: NONE



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.



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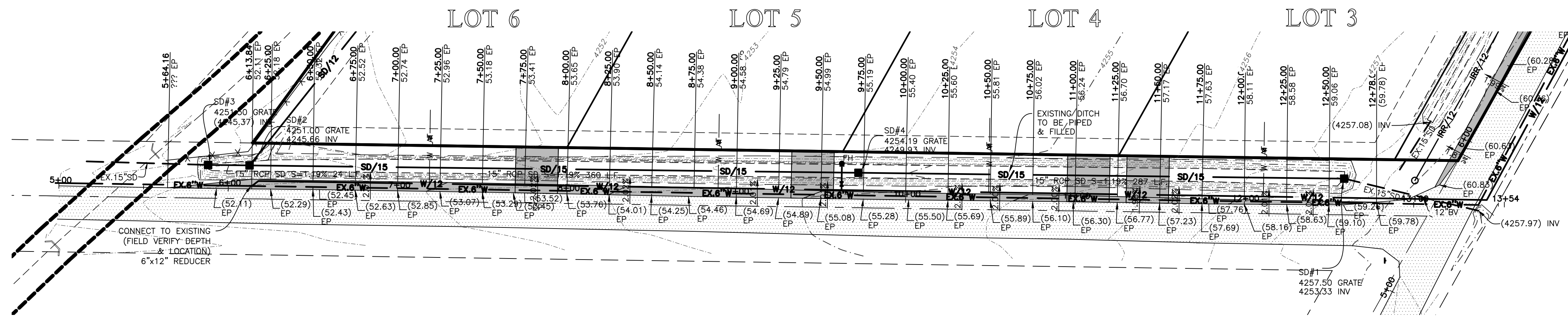
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TC Gailey Subdivision
WEBER COUNTY, UTAH

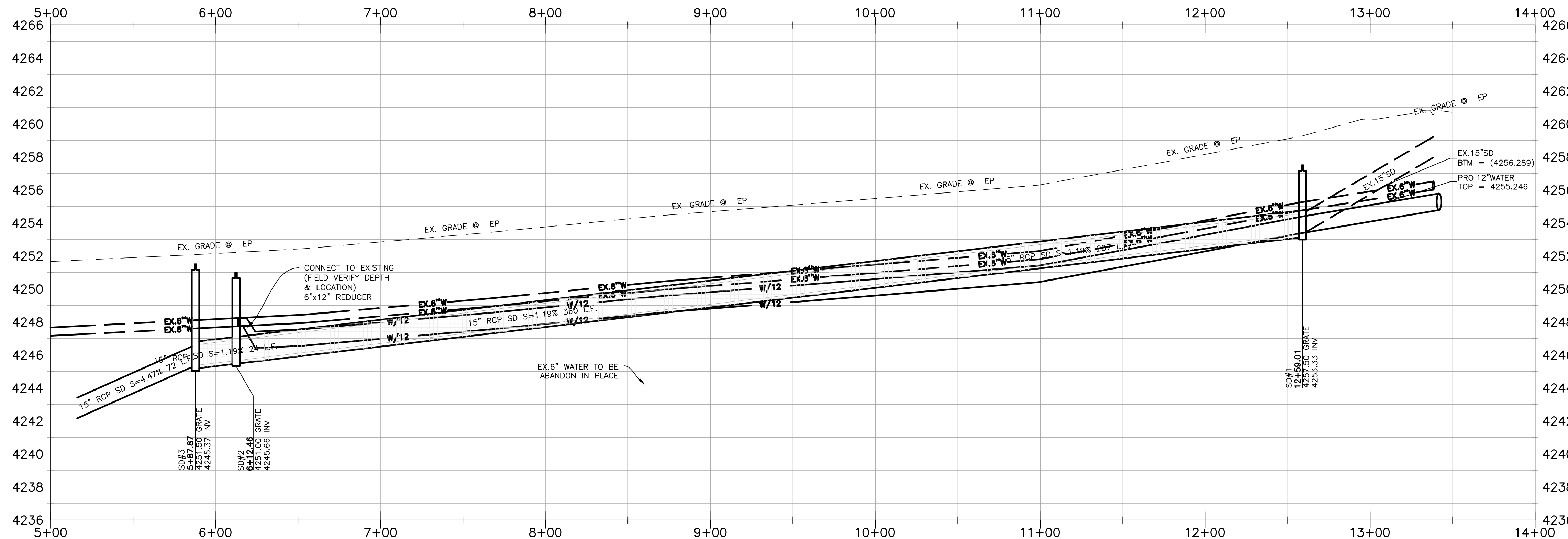
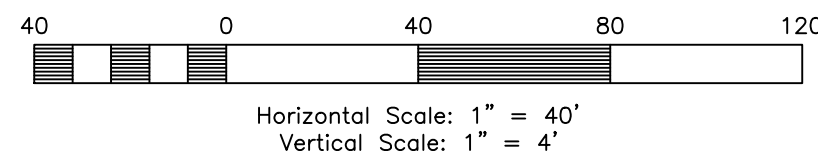
Grading & Utility Plan



Project Info.
Engineer: JEREMY A. DRAPER, P.E.
 Drafter: N. FICKLIN
Begin Date: NOVEMBER, 2021
Name: TC GAILEY SUBDIVISION
Number: 7713-01



1400 South Street



Construction Notes:

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W/LAT - 1" POLY PIPE, 1" METER
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W/12 - 12" C-900 PVC
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SD/15 - 15" RCP CLASS III STORM DRAIN
- SECONDARY WATER**
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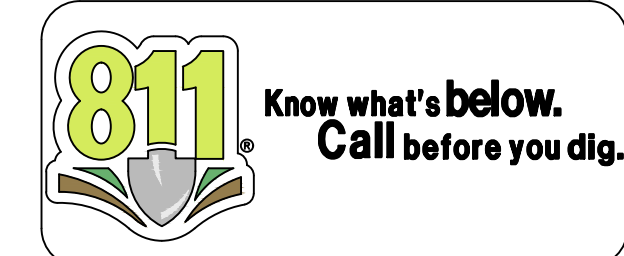
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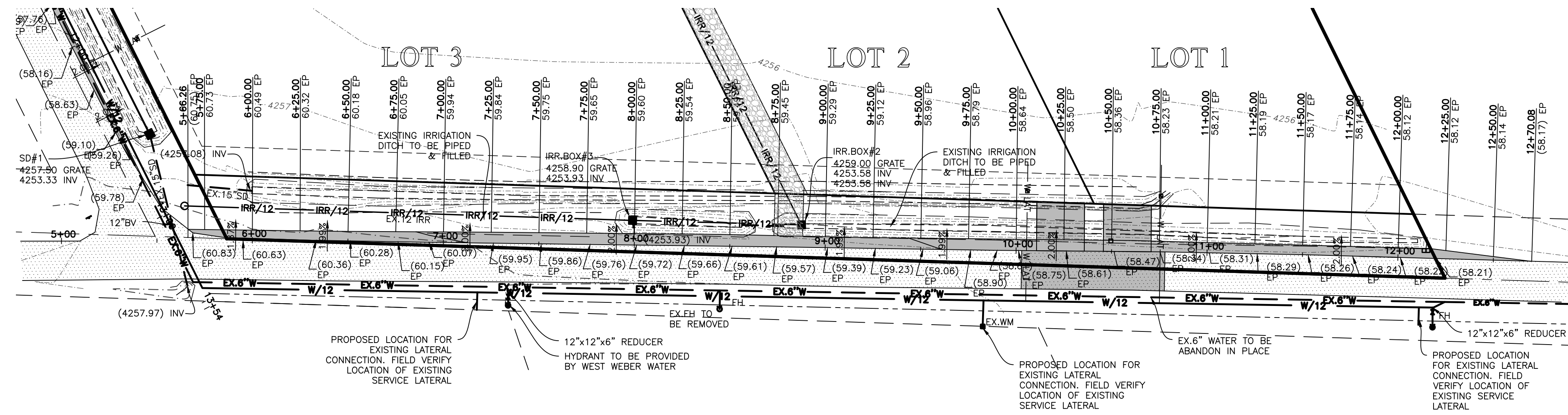
TC Gailey Subdivision
 WEBER COUNTY, UTAH
1400 South Street



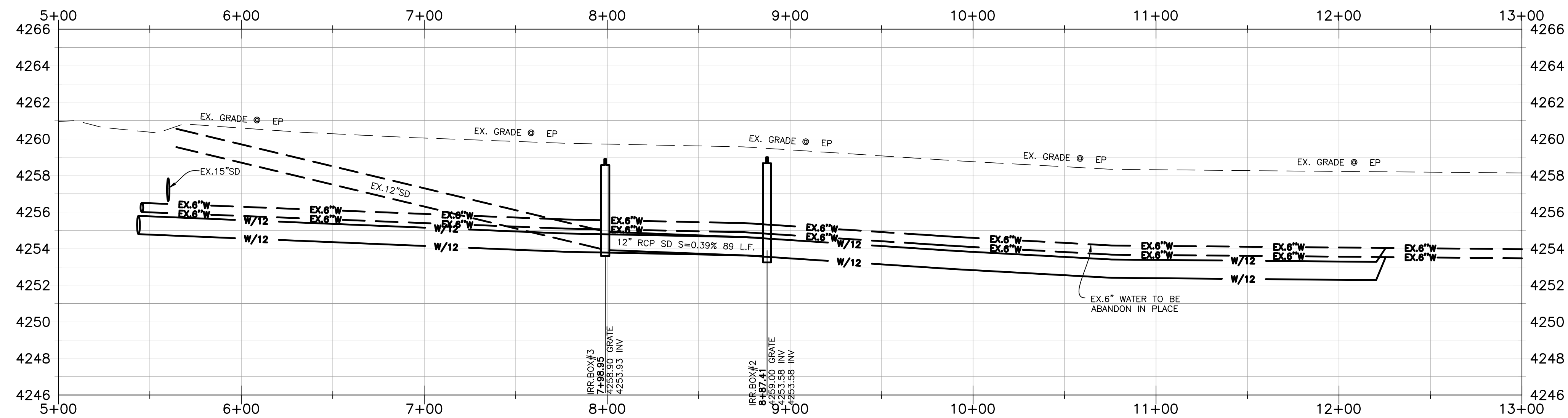
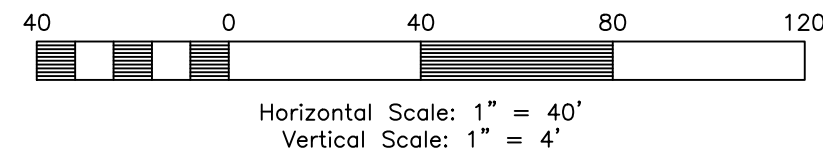
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1400 South Street Plan & Profile



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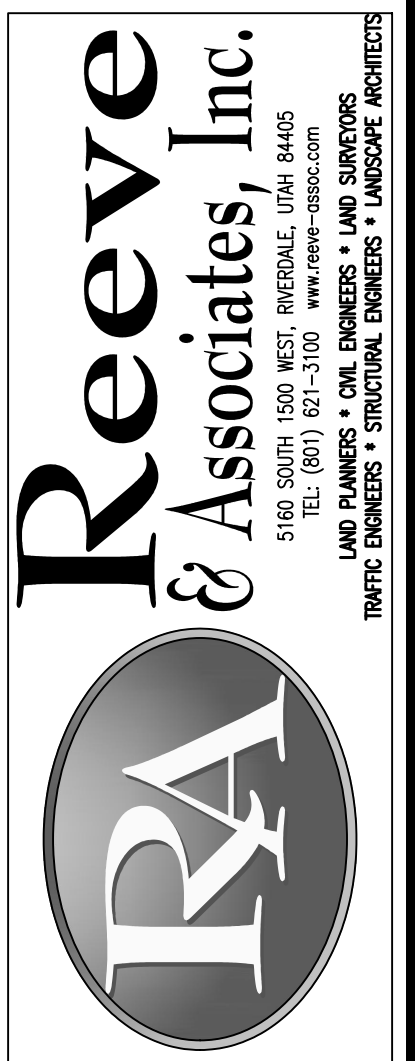
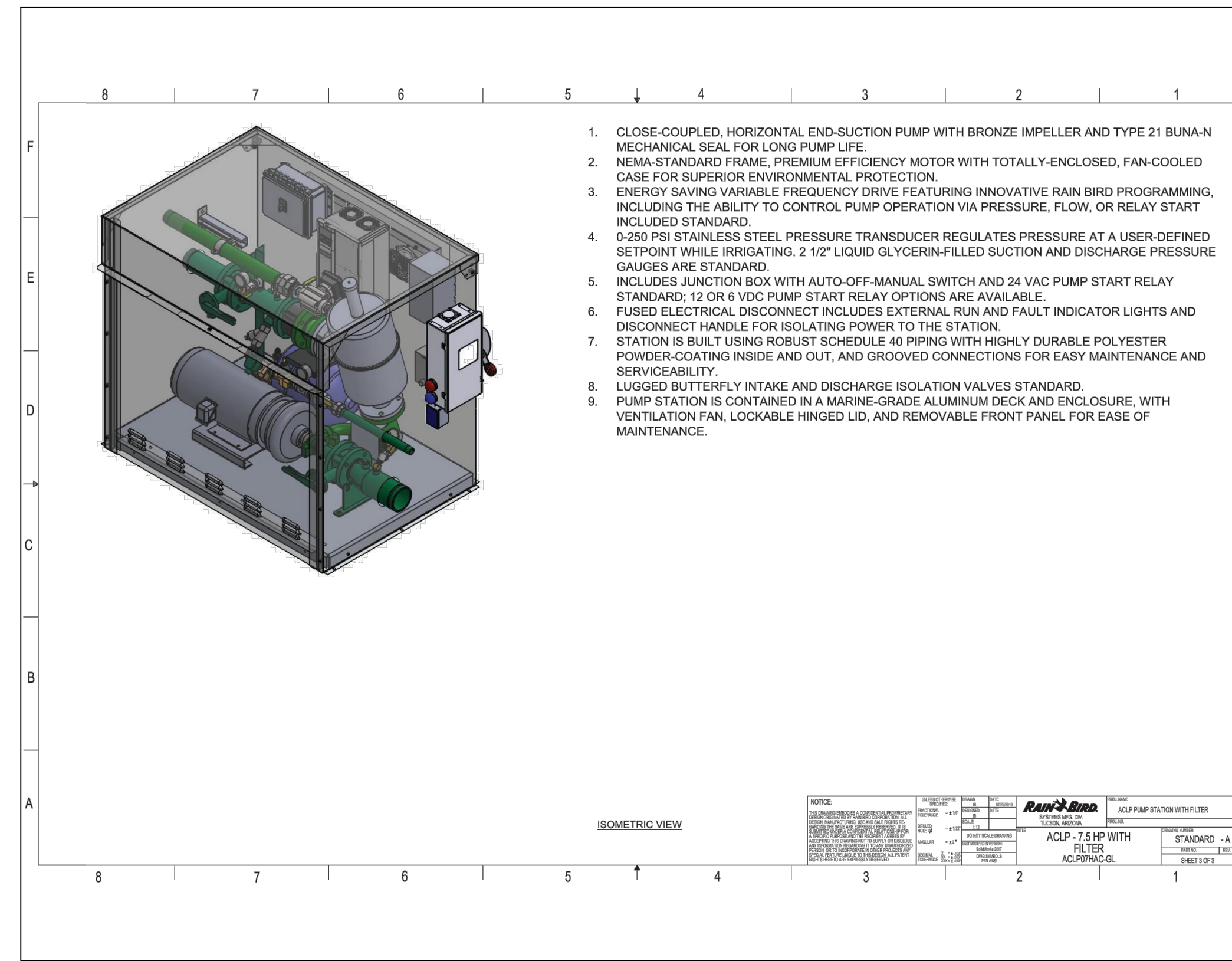
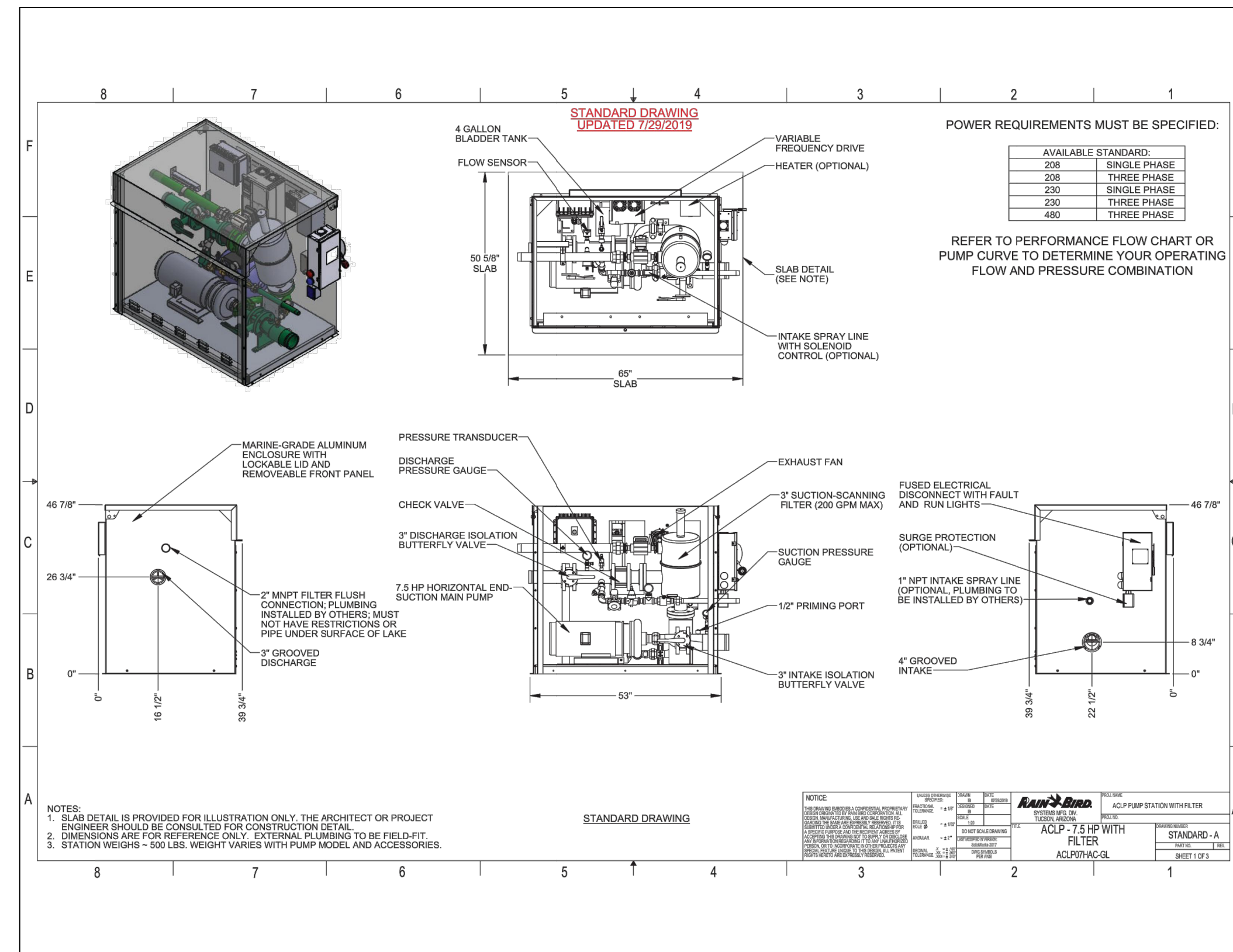
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TC Gailey Subdivision
WEBER COUNTY, UTAH
2900 West Street



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Drafted: N. FICKLIN
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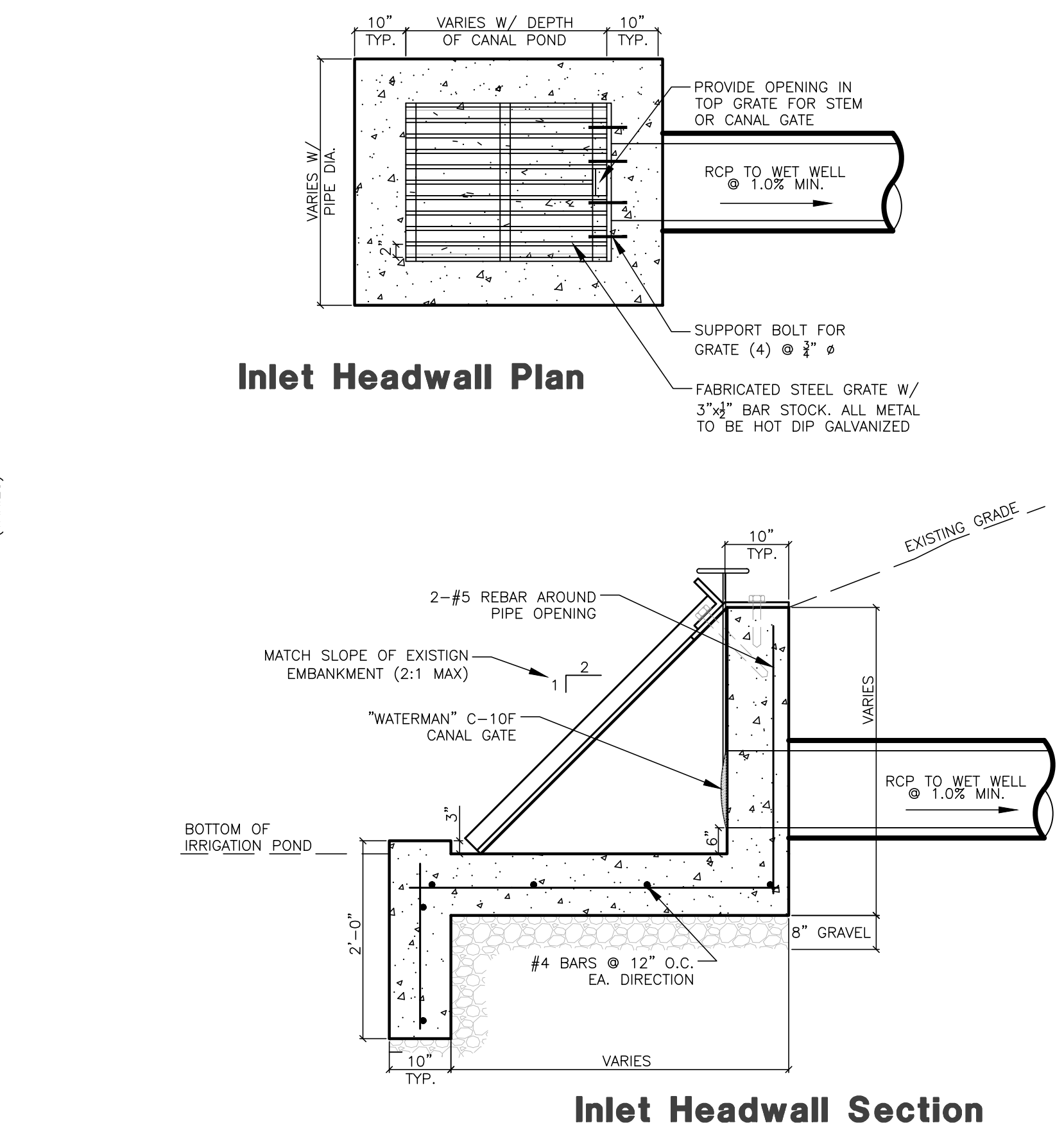
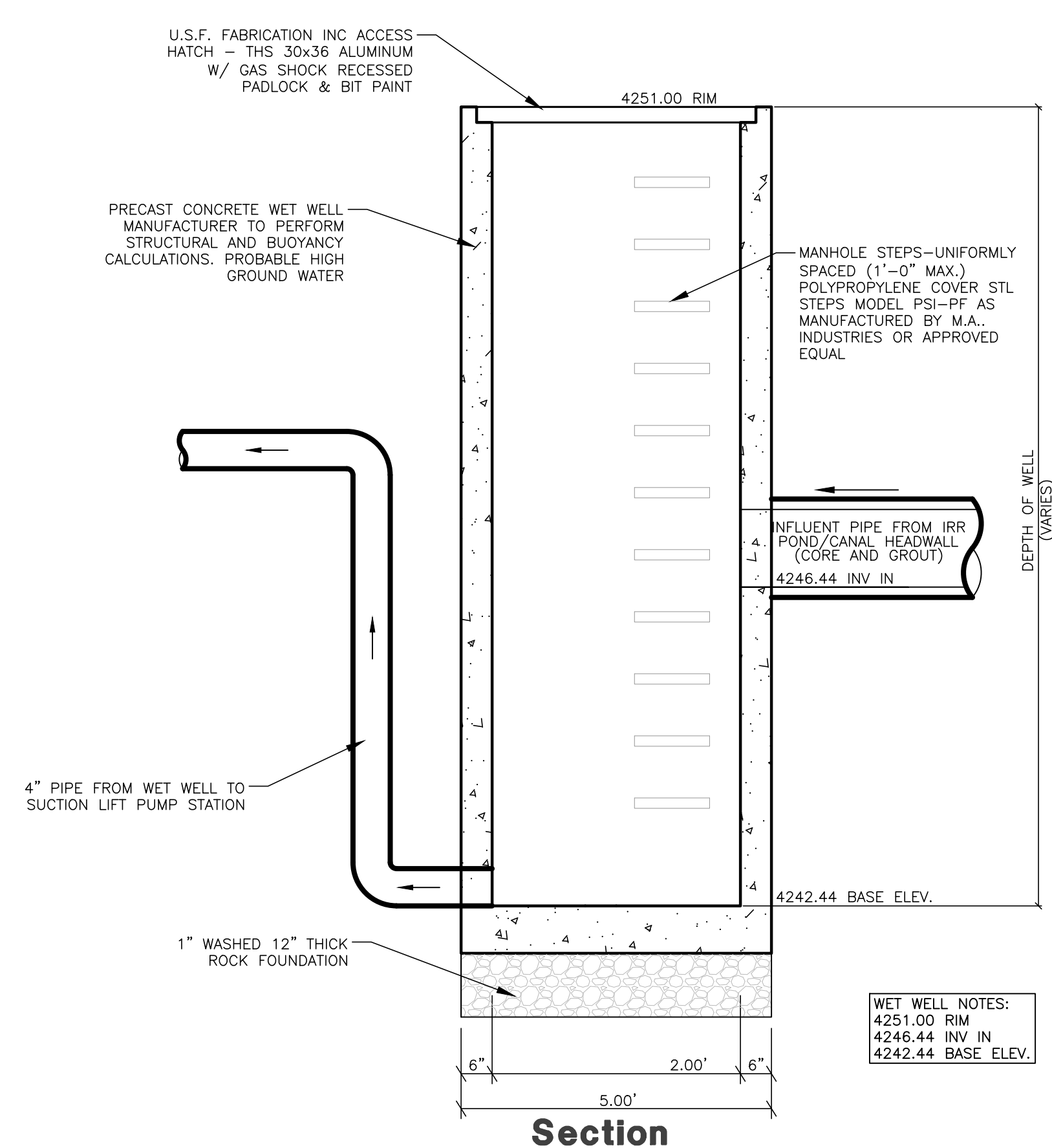




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TC Gailey Subdivision
 WEBER COUNTY, UTAH
Details

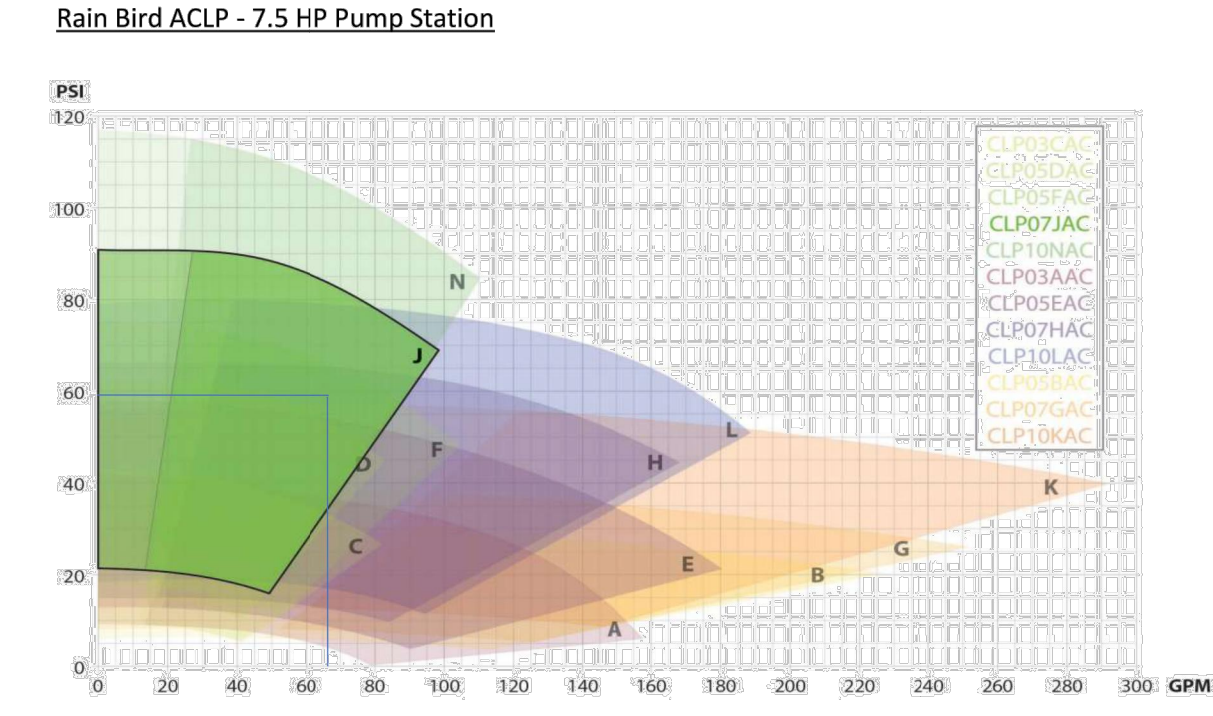


Wet Well Details
 SCALE: NONE

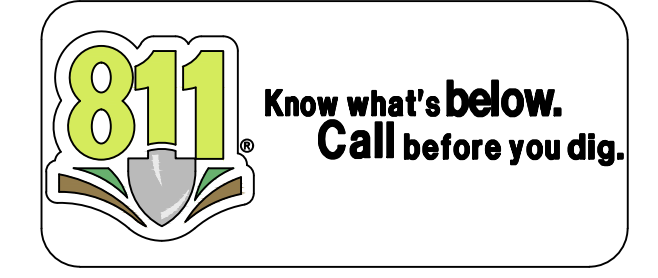
Pump Sizing Calculations
 TC Gailey
 7713-01 4/13/2022 JRL

The calculations are as follows:

# OF LOTS	6
ZONES PER LOT	1.5
FLOW PER ZONE	33 gpm
GOAL PRESSURE	50 psi = 115.5 ft of pressure head
TOTAL LENGTH	980.01 ft
ROUGHNESS COEFFICIENT	150
REQUIRED FLOW	66 gpm (3 Lots running 1 zone each)
PROVIDED FLOW	66.00 gpm
INSIDE HYDRAULIC DIAMETER	3 in
HEAD LOSS PER 100 FT OF PIPE	0.2083(100/c) ^{1.852} q ^{1.852} /dh ^{4.8655}
	1.10 ft
	10.77 ft of head loss
WET WELL OUTLET EL.	4246.77 ft
HIGH POINT EL.	4251.21 ft
	4.44 ft of elevation head
FILTER HEAD LOSS	5 ft (Estimated)
Total Dynamic Head	135.71 ft = 58.7 psi
Velocity:	3.0 ft/s



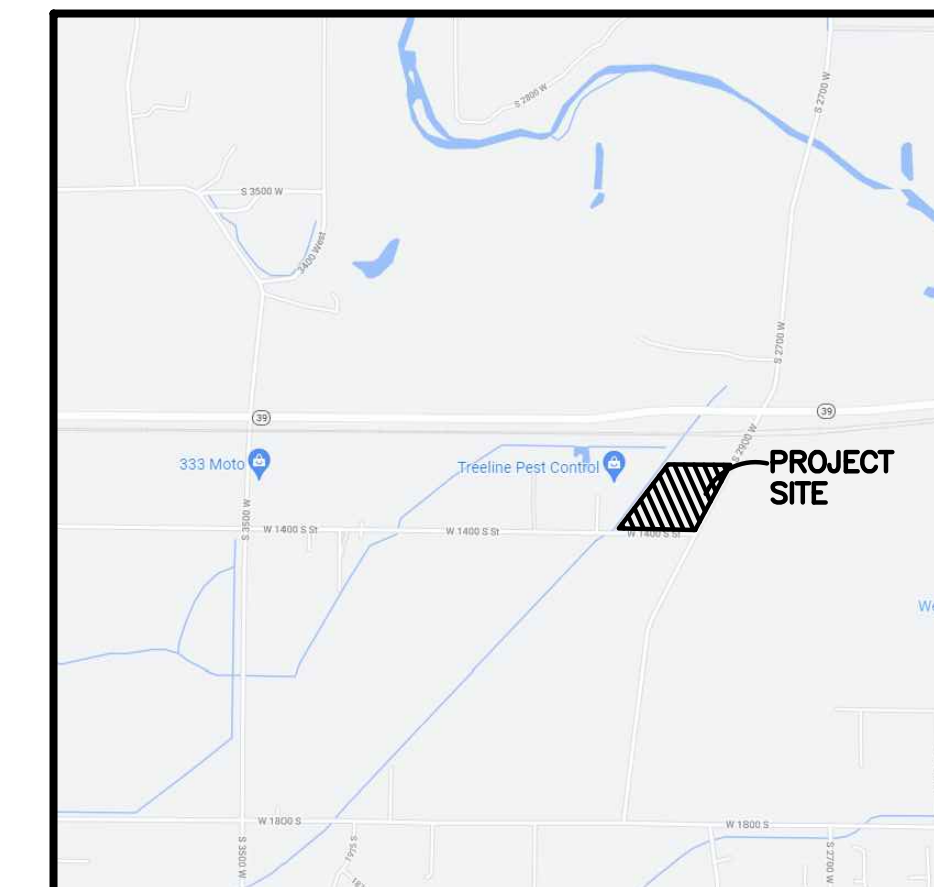
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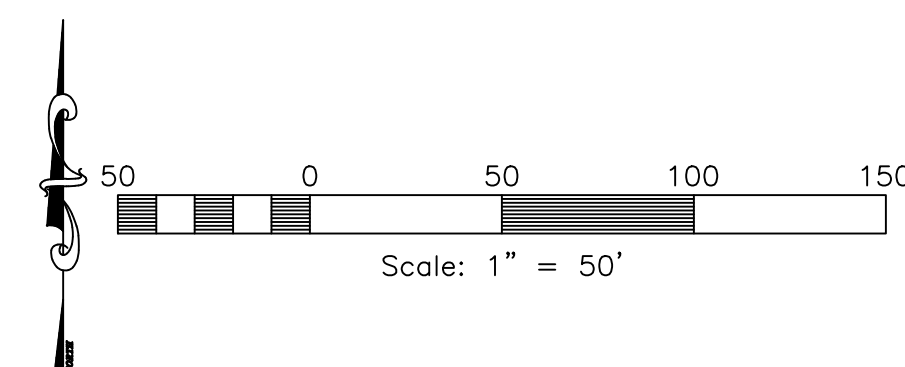
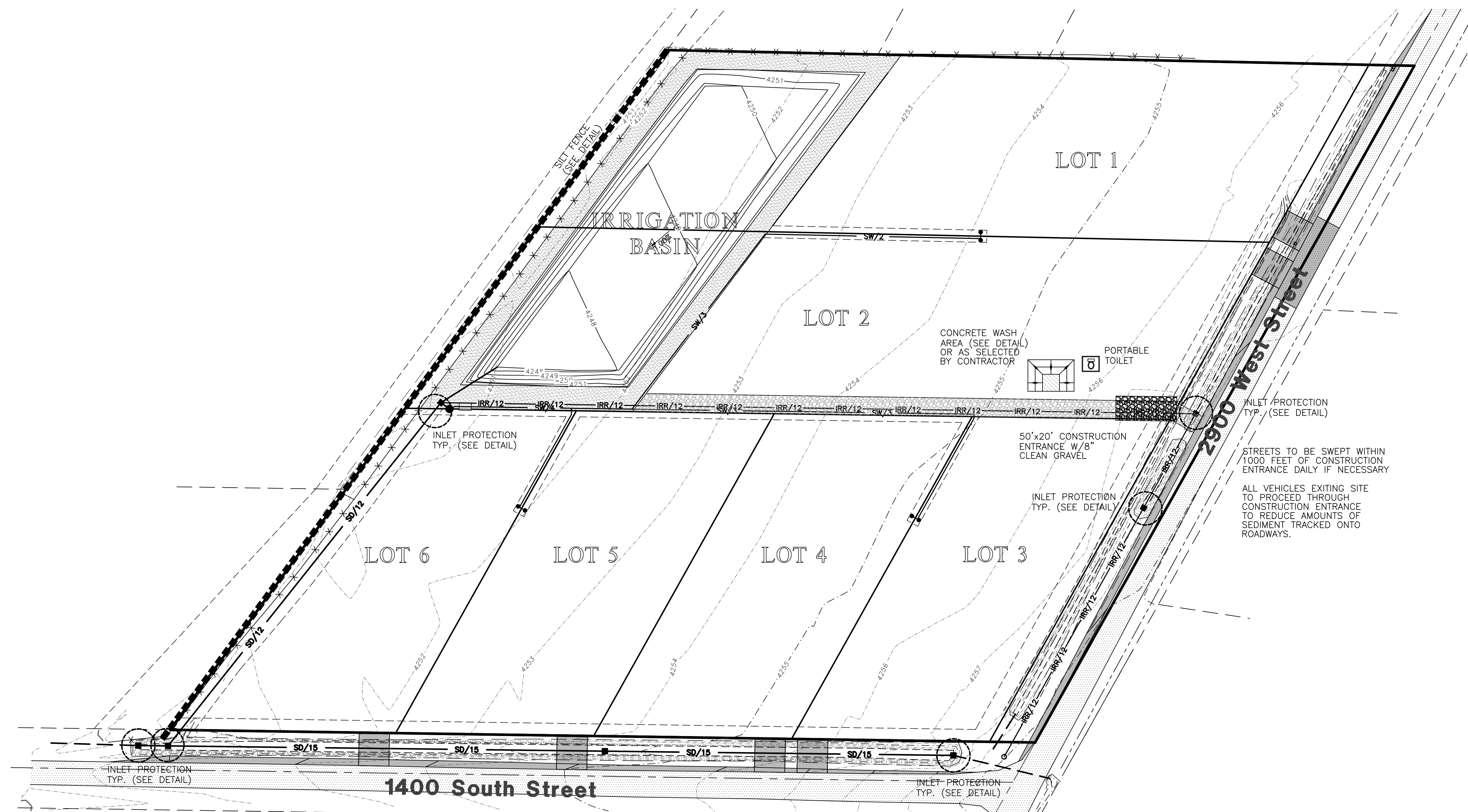
TC GAILEY SUBDIVISION

Storm Water Pollution Prevention Plan Exhibit

WEBER COUNTY, UTAH
MAY, 2022



Vicinity Map
NOT TO SCALE



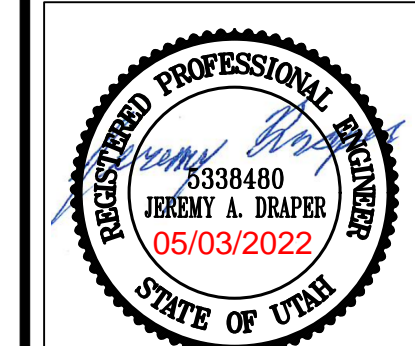
Construction Activity Schedule

PROJECT LOCATION.....	WEBER COUNTY, (UTAH)
PROJECT BEGINNING DATE.....	MAY, 2022
BMP'S DEPLOYMENT DATE.....	MAY, 2022
STORM WATER MANAGEMENT CONTACT / INSPECTOR.....	JED SCHENCK (801) 499-9774
SPECIFIC CONSTRUCTION SCHEDULE INCLUDING BMP CONSTRUCTION SCHEDULE TO BE INCLUDED WITH SWPPP BY OWNER/DEVELOPER.....	

REVISIONS

DATE	DESCRIPTION
2021.12.06	NF Added 12" Water
2022.01.18	PB Added Pump Det.
2022.04.01	NF Taylor West Weber
2022.04.14	NF Utility Location
2022.05.03	NF Relocated Irrigation

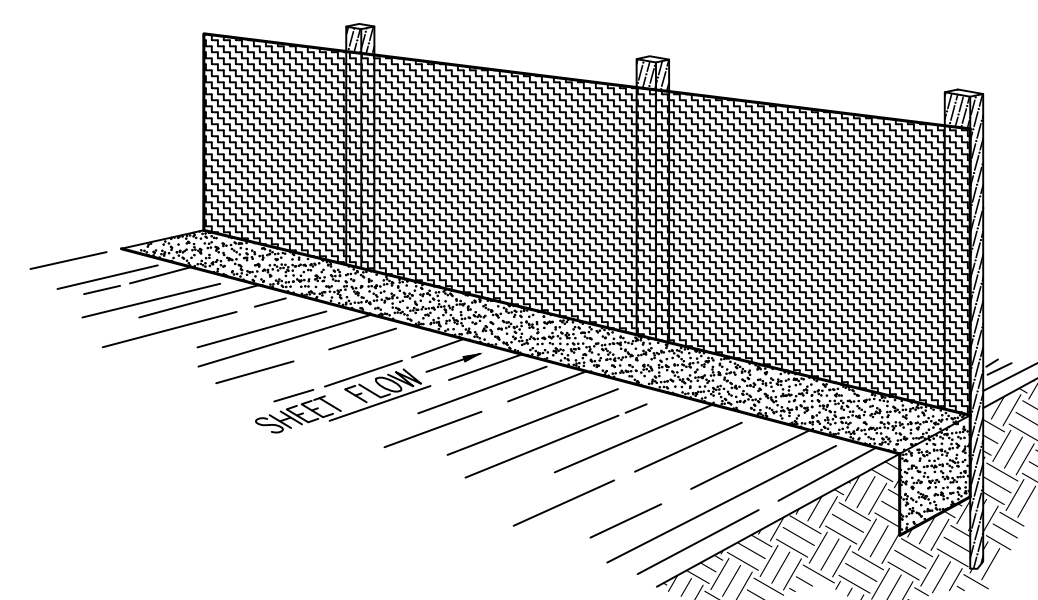
TC Gailey Subdivision
WEBER COUNTY, UTAH
**Storm Water Pollution
Prevention Plan Exhibit**



Project Info.
Engineer: JEREMY A. DRAPER, P.E.
Drafted: N. FICKLIN
Begin Date: NOVEMBER, 2021
Name: TC GAILEY SUBDIVISION
Number: 7713-01

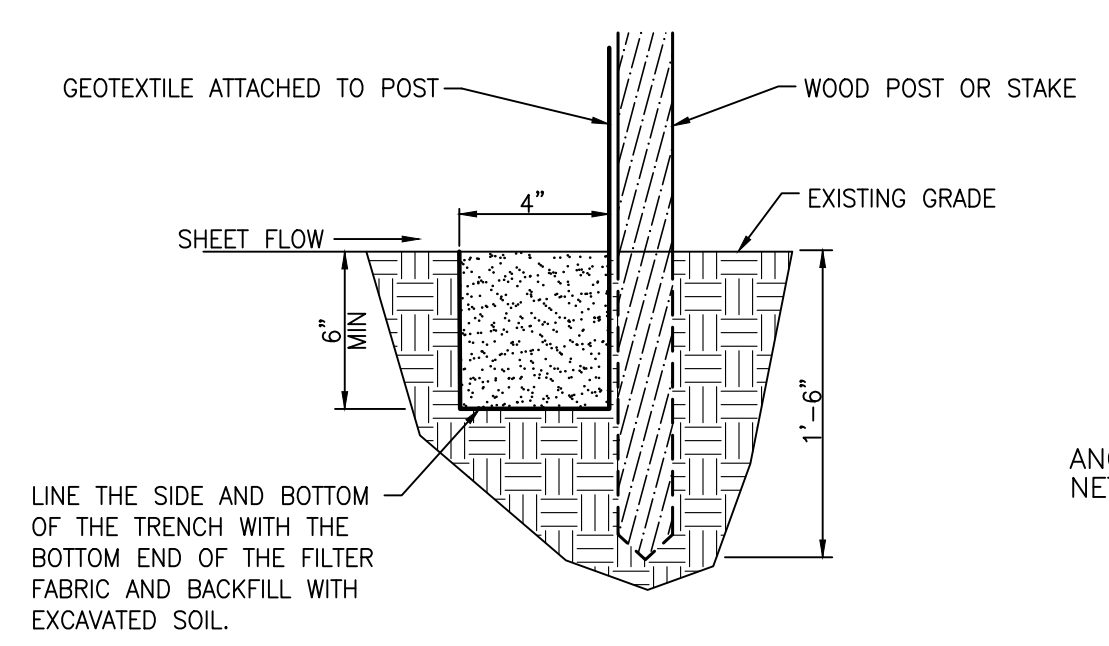
Notes:

- 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
 - Maintain all construction equipment to prevent oil or other fluid leaks.
 - 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.

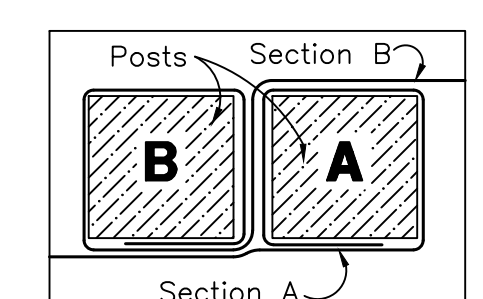


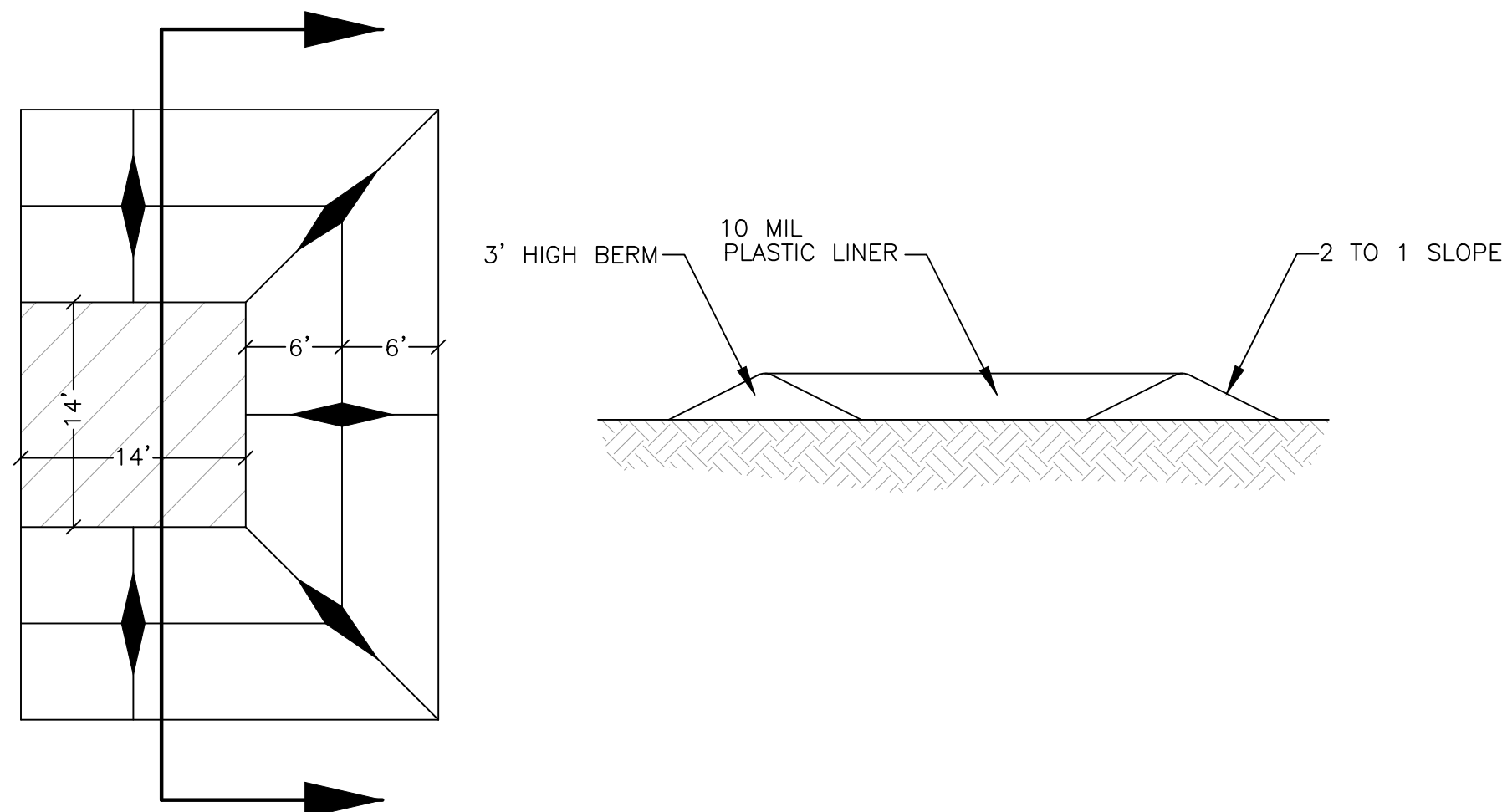
Figure 1: Top View of Roll-to-Roll Connection

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

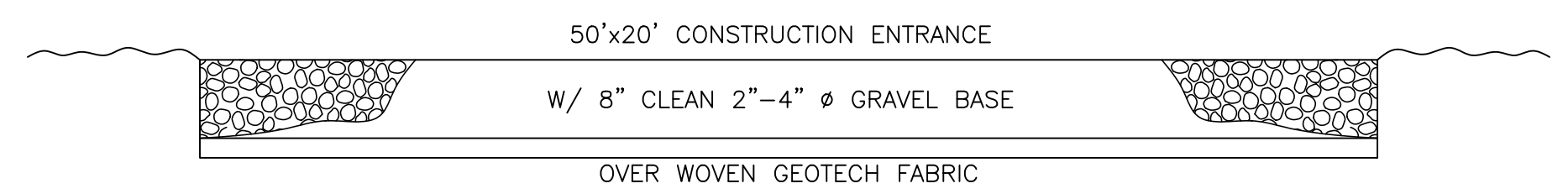
Silt Fence Detail

SCALE: NONE

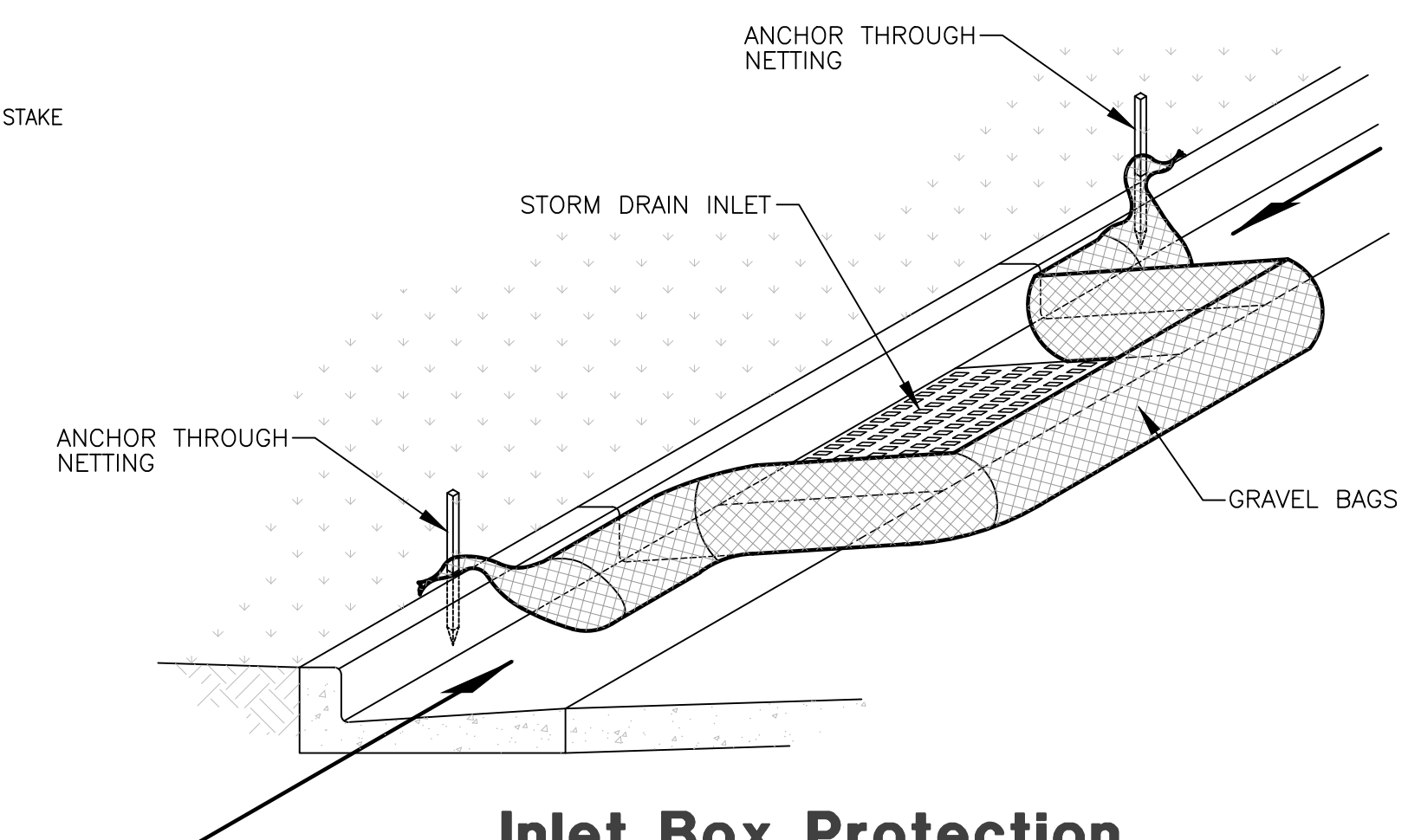


Concrete Washout Area w/ 10 mil Plastic Liner

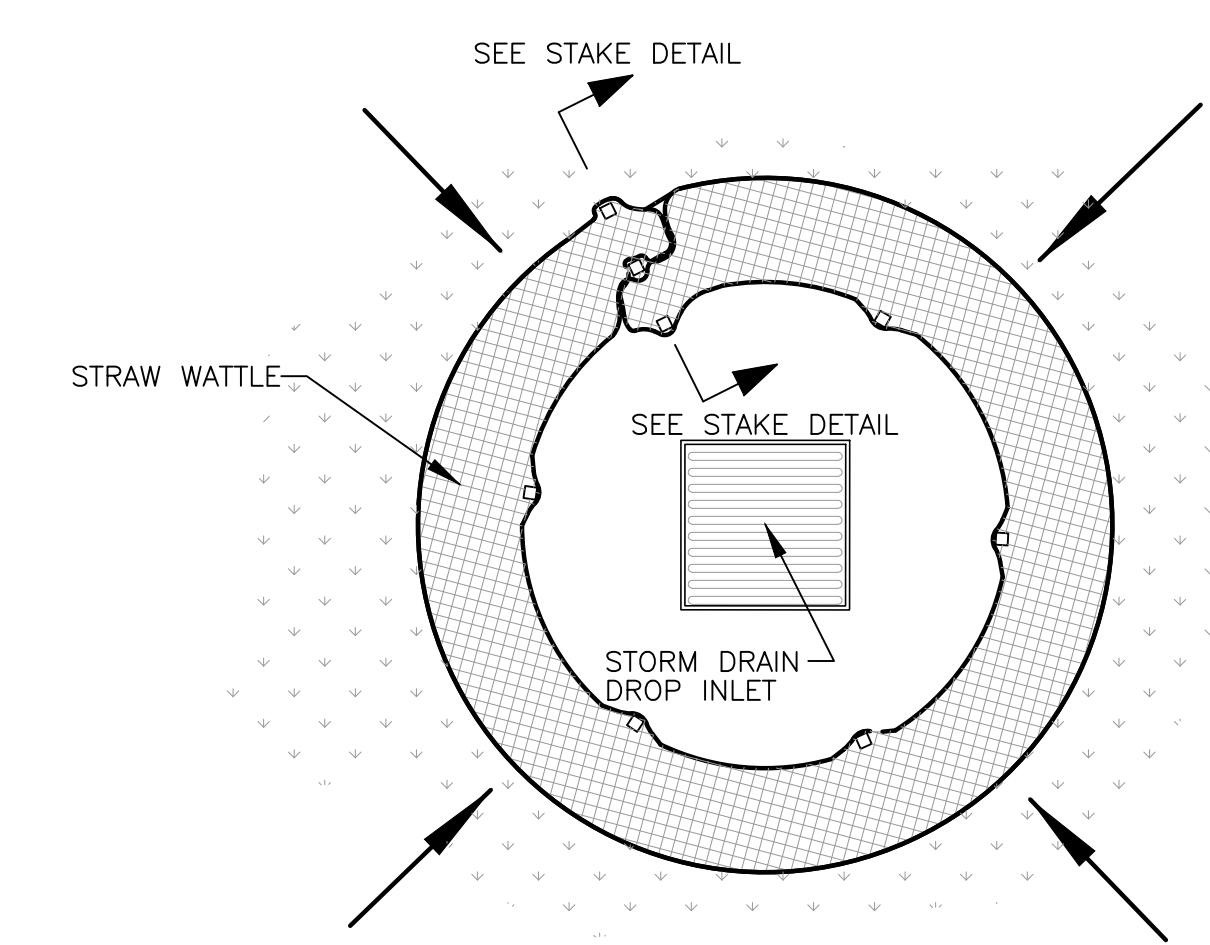
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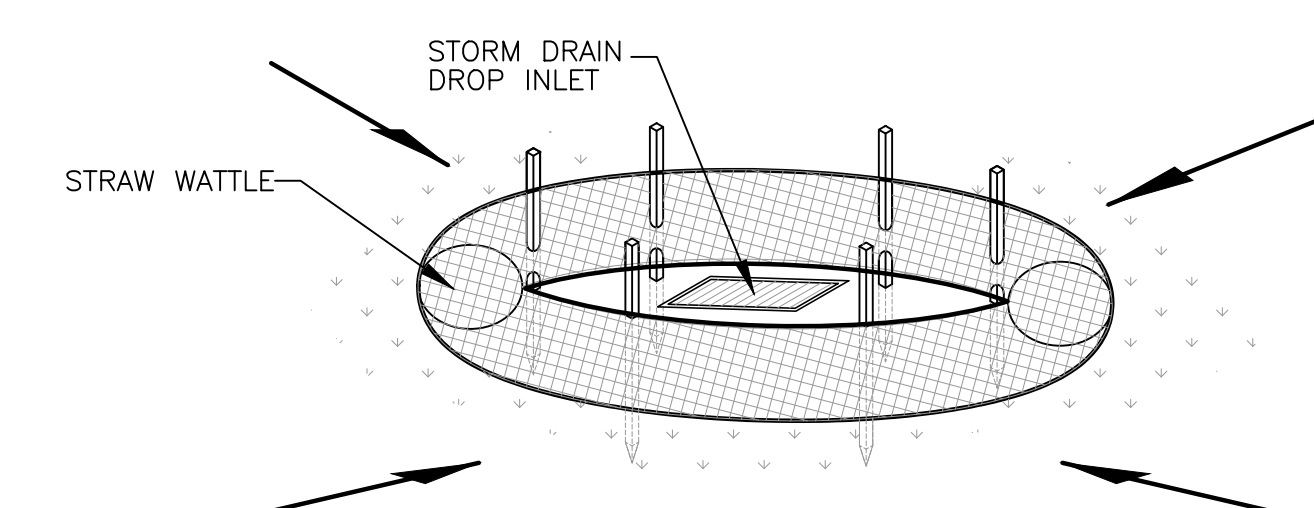
Cross Section 50' x 20' Construction Entrance



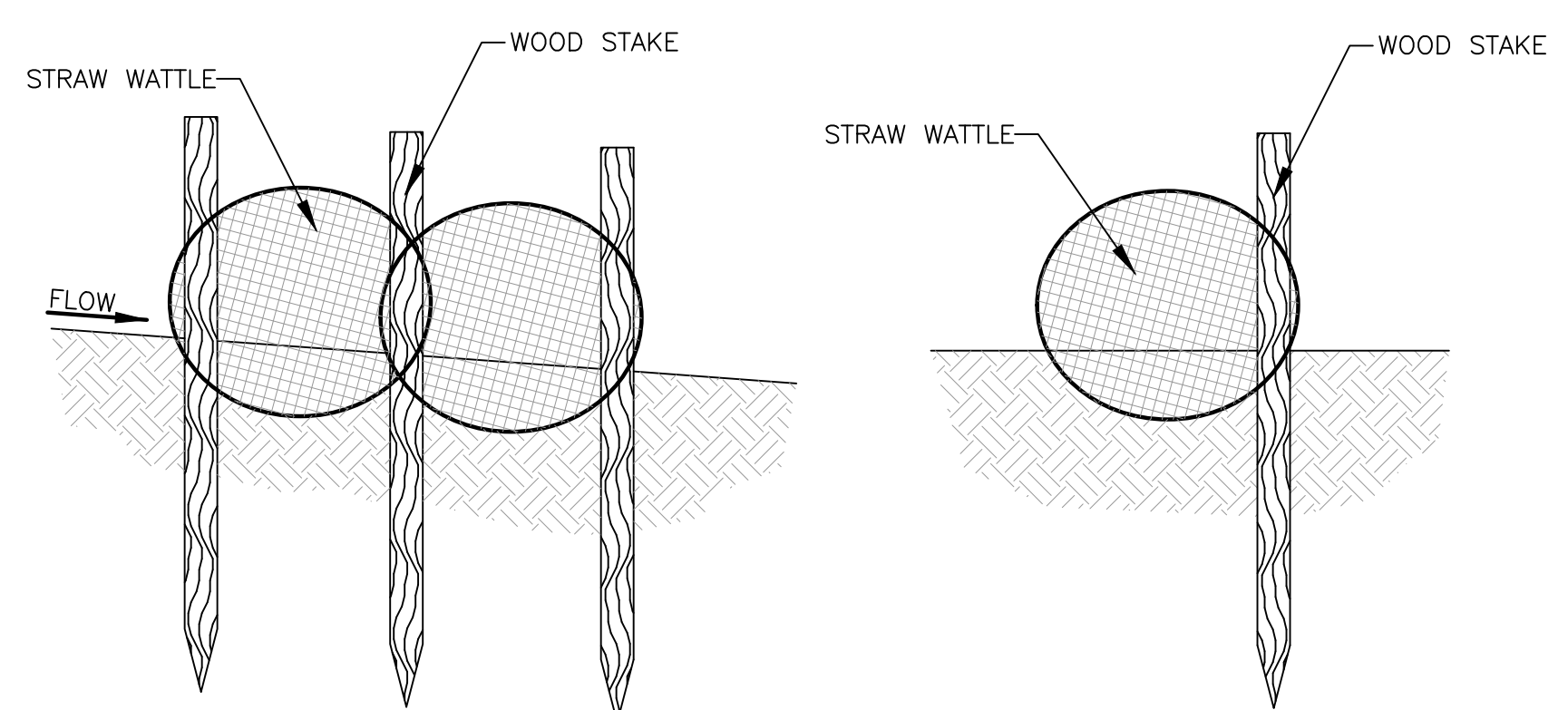
Inlet Box Protection



Plan View



Drop Inlet Protection



Stake Detail

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 LAND SURVEYORS • CIVIL ENGINEERS • LAND SURVEYING
 TRAFFIC ENGINEERS • STRUCTURAL ENGINEERS • LANDSCAPE ARCHITECTS

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TC Gailey Subdivision
 WEBER COUNTY, UTAH
Storm Water Pollution Prevention Plan Details

REGISTERED PROFESSIONAL ENGINEER
 5338480
 JEREMY A. DRAPER
 05/03/2022
 STATE OF UTAH

Project Info.
 Engineer: JEREMY A. DRAPER, P.E.
 Drafter: N. FICKLIN
 Begin Date: NOVEMBER, 2021
 Name: TC GAILEY SUBDIVISION
 Number: 7713-01

8
 Total Sheets