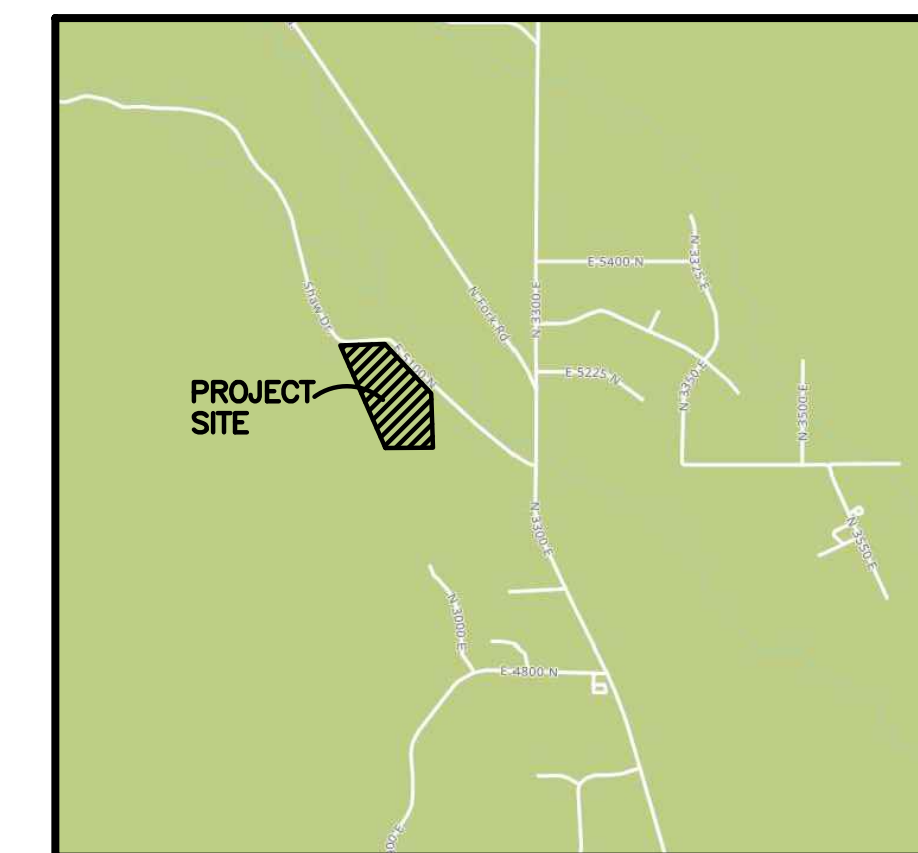
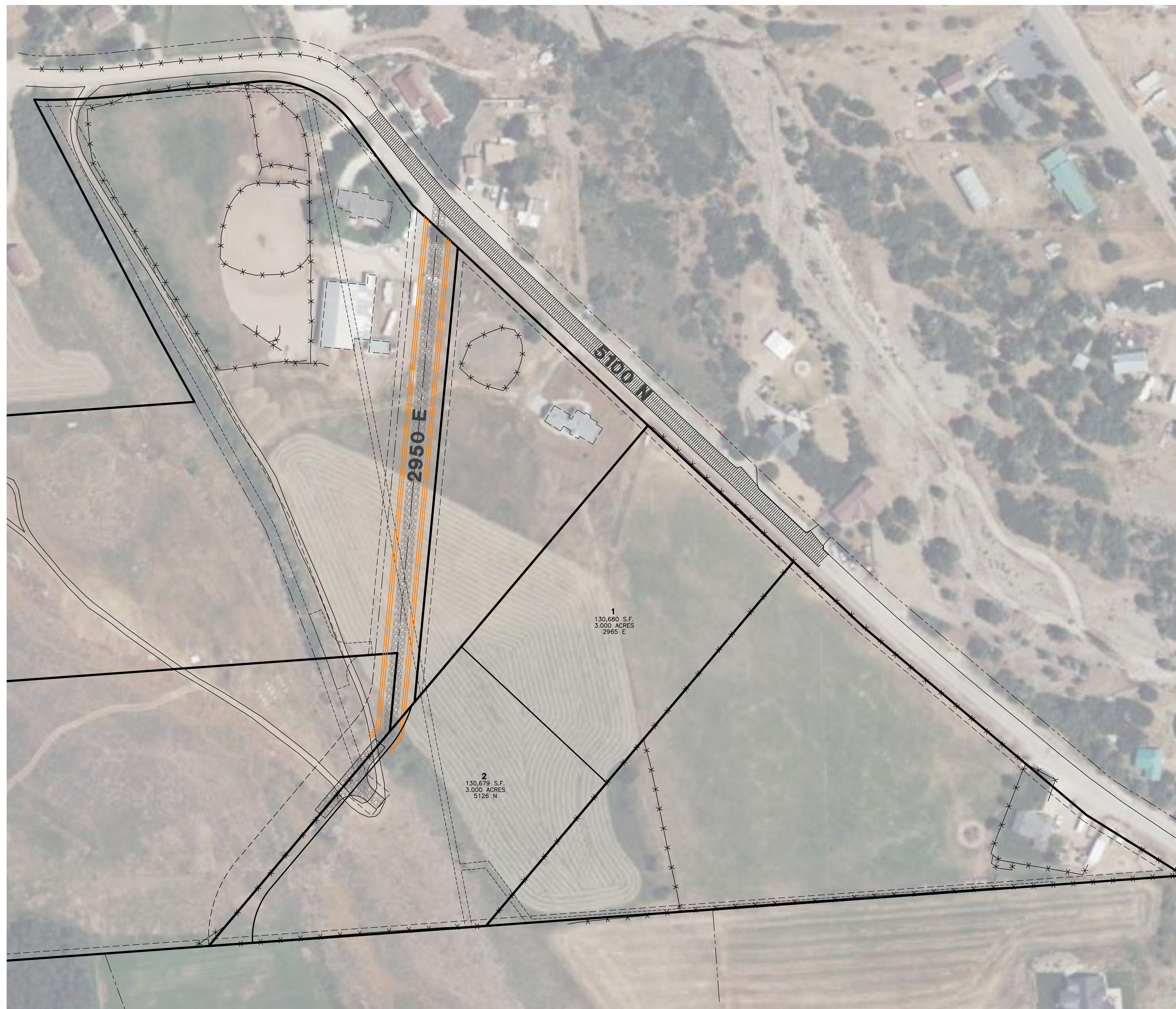


**Project Narrative/Notes/Revisions**

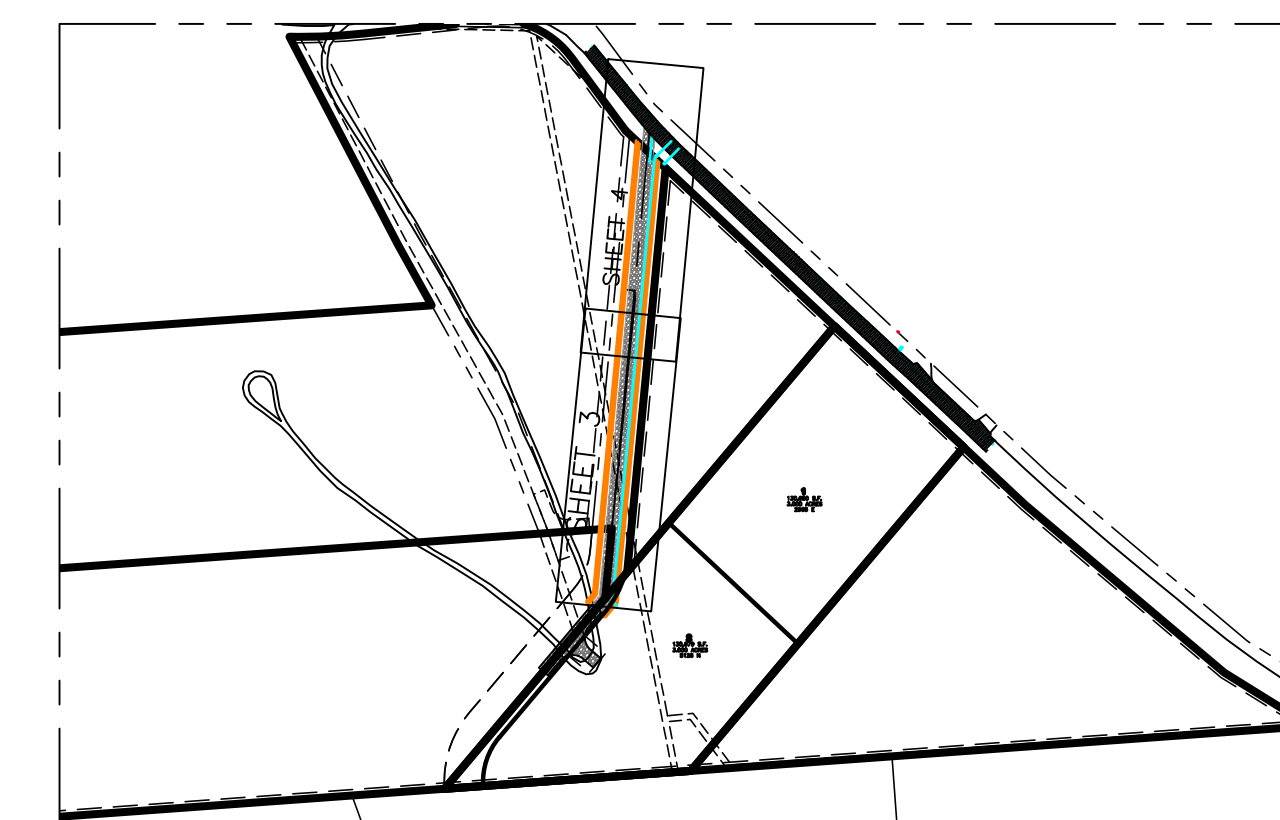
1. 08/29/2023 ZD - COMPLETED DESIGN FOR CLIENT & CITY REVIEW.
2. 11/13/2023 ZD - UPDATED PER COUNTY ENGINEERING AND FIRE COMMENTS
3. 11/29/2023 ZD - UPDATED PER CLIENT COMMENTS

# HADLOCK SUBDIVISION 3000 Shaw Drive Improvement Plans

LIBERTY, WEBER COUNTY, UTAH  
AUGUST, 2023



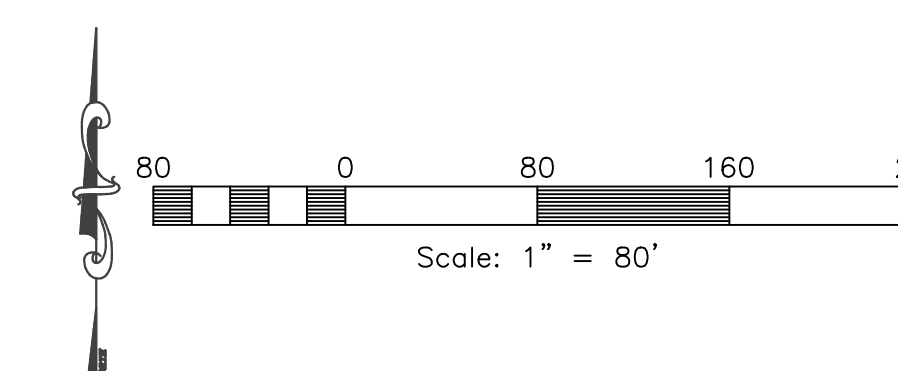
**Vicinity Map**  
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**Sheet Index Key Map**  
NOT TO SCALE

**Sheet Index**

- Sheet 1 - Cover/Index Sheet
- Sheet 2 - Notes/Legend
- Sheet 3 - 2950 E 9+17.82 - 13+97.82
- Sheet 4 - 2950 E 13+97.82 - 17+69.28
- Sheet 5 - Master Grading Plan
- Sheet 6 - Storm Water Pollution Prevention Plan Exhibit
- Sheet 7 - Storm Water Pollution Prevention Plan Details



**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.

**Surveyor:**

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



**Developer Contact:**

Thomas Butler  
6232 W 10150 N  
Highland, UT, 84003  
PH: (801) 915-1338

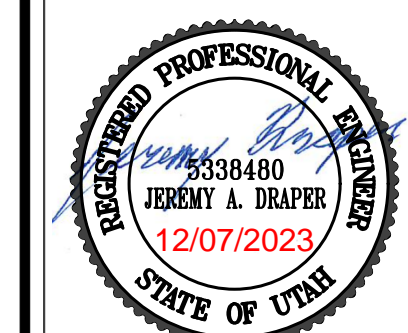
**Project Contact:**

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



DATE	DESCRIPTION
11-13-23	ZD County Comments
11-27-23	ZD Client Comments

**Hadlock Subdivision  
3000 Shaw Drive**  
LIBERTY, WEBER COUNTY, UTAH  
**Cover/Index Sheet**



**Project Info.**

Engineer:  
JEREMY A. DRAPER, P.E.  
Drafted:  
Z. DECARIA  
Begin Date:  
AUGUST 2023  
Name:  
HADLOCK  
SUBDIVISION  
Number: 8228-01

General Notes:

- 1. ALL CONSTRUCTION MUST STRICTLY FOLLOW THE STANDARDS AND SPECIFICATIONS SET FORTH BY: GOVERNING UTILITY MUNICIPALITY, GOVERNING CITY OR COUNTY (IF UNINCORPORATED), INDIVIDUAL PRODUCT MANUFACTURER, 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), PRIOR TO COMMENCING ANY WORK...
3. CONTRACTOR SHALL NOTIFY ALL UTILITIES TO DETERMINE IF CONFLICTS EXIST PRIOR TO BEGINNING ANY EXCAVATION...

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. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS...

- 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...

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, 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:

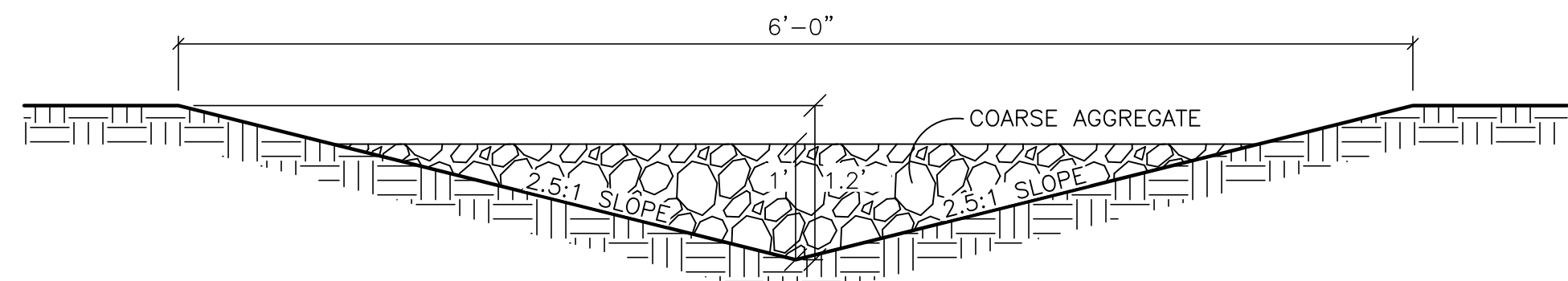
ALL BEST MANAGEMENT PRACTICES (BMP'S) SHOWN ON THIS PLAN MUST BE MAINTAINED AT ALL TIMES UNTIL PROJECT CLOSE-OUT.

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.

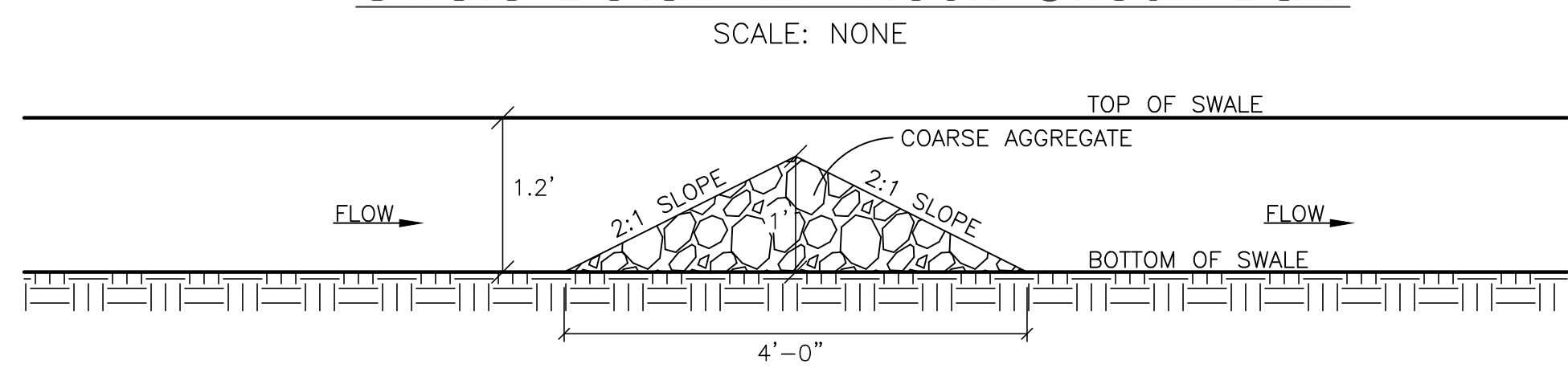
SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF BARRIER. SEDIMENT TRACKED ONTO PAVED ROADS MUST BE CLEANED UP AS SOON AS PRACTICAL...

EXPOSED SLOPES:

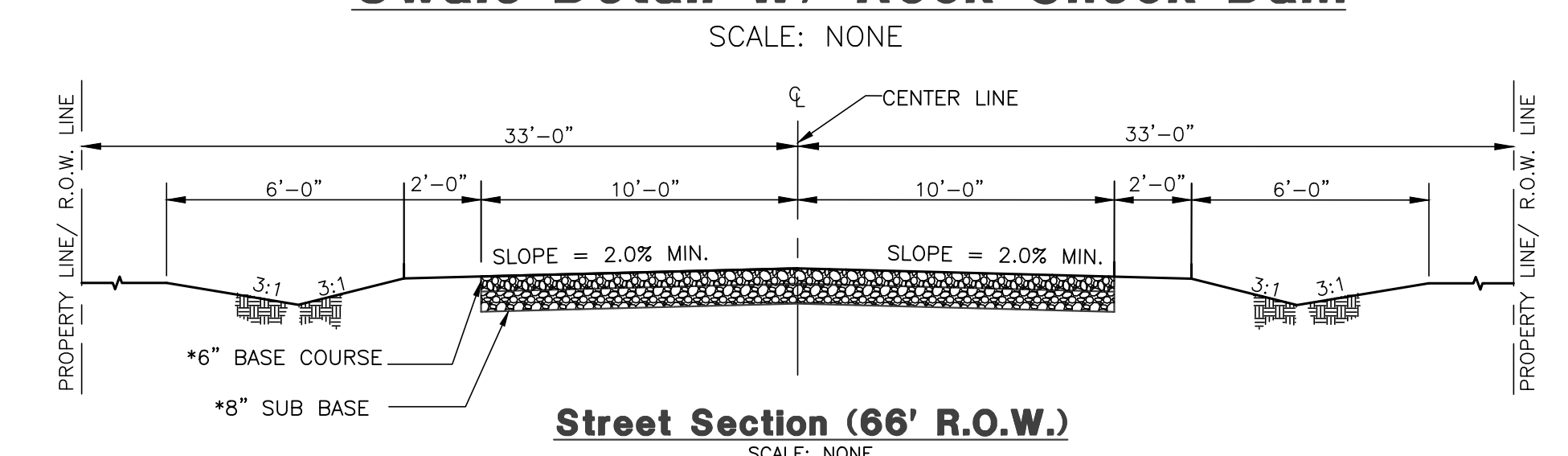
ANY EXPOSED SLOPE THAT WILL REMAIN UNTOUCHED FOR LONGER THAN 14 DAYS MUST BE STABILIZED BY ONE OR MORE OF THE FOLLOWING METHODS:
A) SPRAYING DISTURBED AREAS WITH A TACKIFIER VIA HYDROSEED
B) TRACKING STRAW PERPENDICULAR TO SLOPES
C) INSTALLING A LIGHT-WEIGHT, TEMPORARY EROSION CONTROL BLANKET



Swale Detail W/ Rock Check Dam



Swale Detail W/ Rock Check Dam



\*ROAD BASE SECTION TO BE DESIGNED FOR A 75,000 LB LOAD, DESIGN BY GEOTECHNICAL ENGINEER

Legend

- SW LAT = PROPOSED SECONDARY WATER LATERAL
LD LAT = PROPOSED LAND DRAIN LATERAL
W LAT = PROPOSED WATER LATERAL
SS LAT = PROPOSED SEWER LATERAL
WZ/B = PROPOSED CULINARY WATER LINE
EX.WZ = EXISTING CULINARY WATER LINE
SWZ/B = PROPOSED SECONDARY WATER LINE
EX.SW = EXISTING SECONDARY WATER LINE
SSZ/B = PROPOSED SANITARY SEWER LINE
EX.SS = EXISTING SANITARY SEWER LINE
SDZ/B = PROPOSED STORM DRAIN LINE
EX.SD = EXISTING STORM DRAIN LINE
LDZ/B = PROPOSED LAND DRAIN LINE
EX.LD = EXISTING LAND DRAIN LINE
RRZ/B = 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 FIRE HYDRANT
= EXISTING FIRE HYDRANT
= PROPOSED MANHOLE
= EXISTING MANHOLE
= PROPOSED SEWER CLEAN-OUT
X = PROPOSED GATE VALVE
X = EXISTING GATE VALVE
= PLUG & BLOCK
= AIR VAC ASSEMBLY
= DUAL SECONDARY METER



Storm Runoff Calculations Hadlock Subdivision Roadway 9/18/2023 HAR

The following runoff calculations are based on the Rainfall - Intensity - Duration Frequency Curve for the Liberty 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 0.2 cfs/acre.

Table with columns: Drainage Area, Total Area, Runoff Coefficients, Paved Area, Roof, Landscaped Area, Weighted Runoff Coefficient.

LID Retention table: 80th Percentile Rainfall Event (d), Is the site Feasible for LID?, Site Imperviousness (I), NRCS Soil Group, Rv Equation, R, (Soil Group A: 0.84\*1.302; B: 0.84\*1.169; C/D: 0.83\*1.122), Vgoal = Rv x d x Total Site SF

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

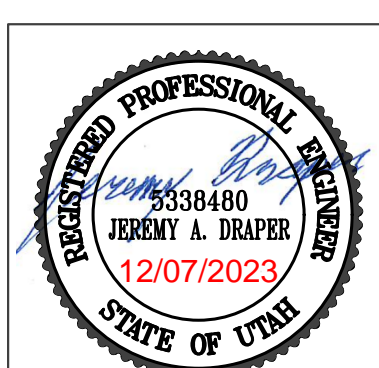
Summary table with columns: time (min), time (sec), i (in./hr.), Q (cfs), Vol. in (cf), Vol. out (cf), Difference (cf)

SUMMARY: The required 100-yr storage volume is 3,177 cubic feet. The required LID Retention volume is 733 cubic feet.

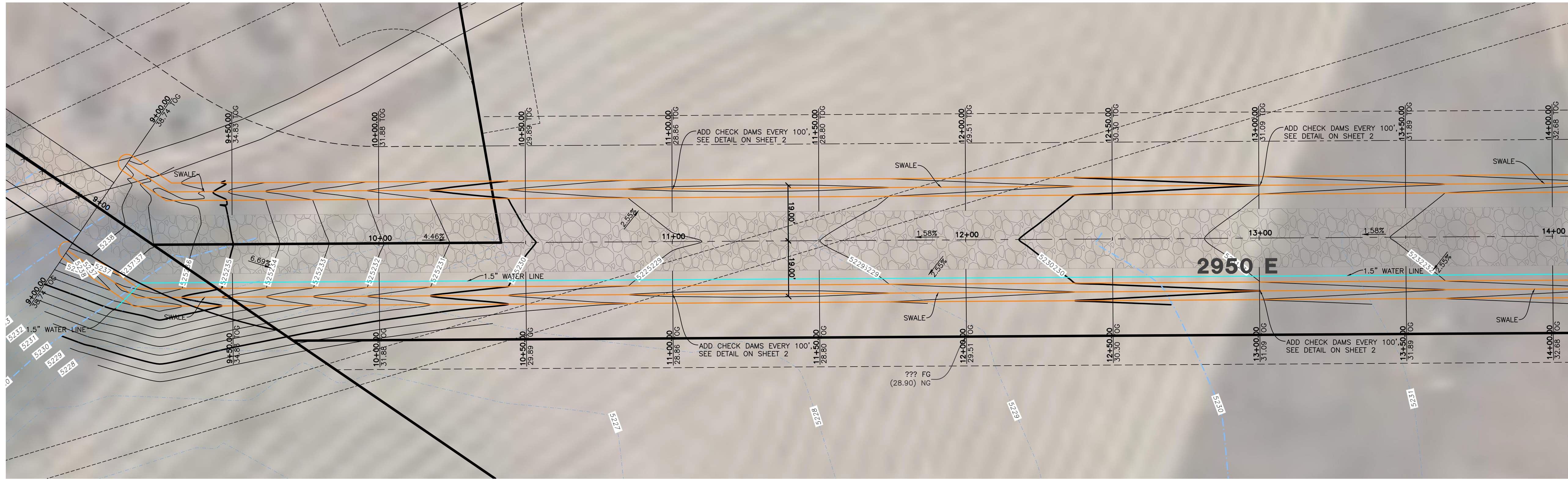
Reeve & Associates, Inc. logo and contact information including address and phone number.

Revisions table with columns: REVISIONS, DATE, DESCRIPTION, Client Comments

Hadlock Subdivision 3000 Shaw Drive LIBERTY, WEBER COUNTY, UTAH. Notes/Legend/Street Cross-Section.

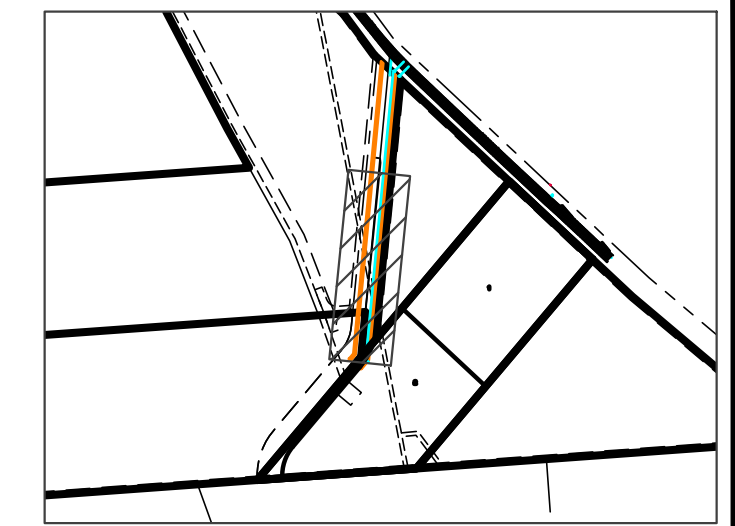


Project Info table: Engineer (Jeremy A. Draper, P.E.), Drafter (Z. Decaria), Begin Date (August 2023), Name (Hadlock Subdivision), Number (8228-01)

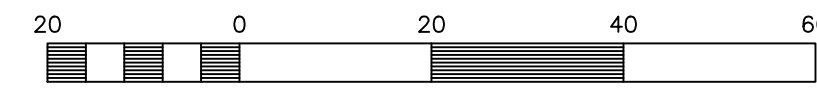


**Key Map**

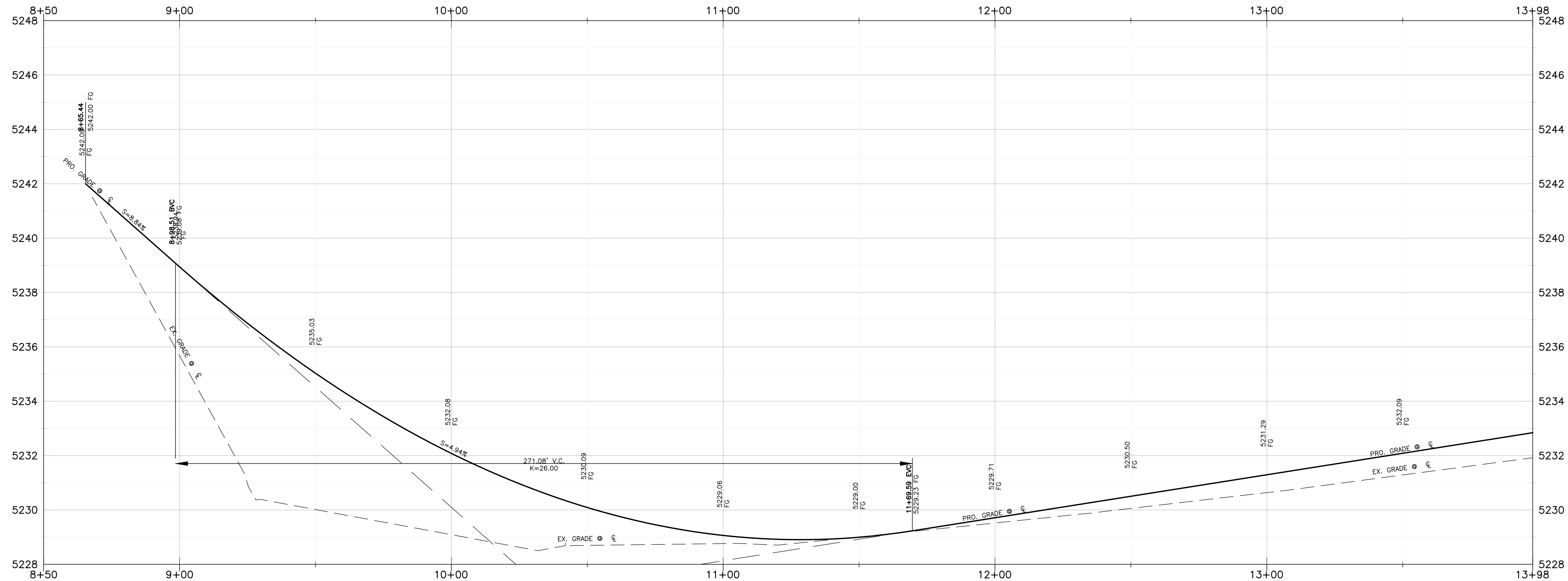
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**2950 E 9+17.82 - 13+97.82**



Horizontal Scale: 1" = 20'  
Vertical Scale: 1" = 2'



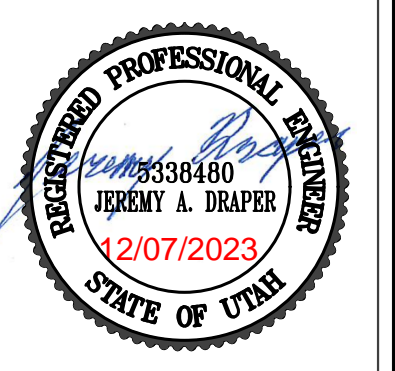
**Reeve & Associates, Inc.**  
 5160 SOUTH 1500 WEST, RIVERDALE, UTAH 84405  
 TEL: (801) 821-3100 www.reeve.co

**IRA**  
 LAND PLANNERS • CIVIL ENGINEERS • LAND SURVEYORS  
 TRAFFIC ENGINEERS • STRUCTURAL ENGINEERS • LANDSCAPE ARCHITECTS

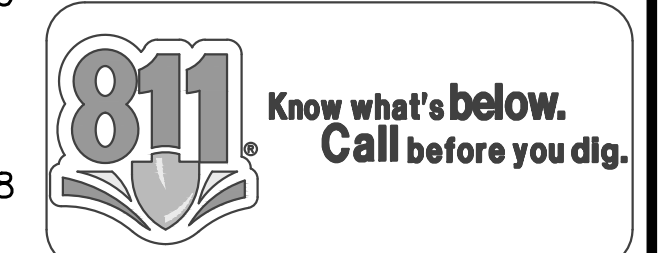
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	11-13-23	ZD County Comments
	11-27-23	ED Client Comments

**Hadlock Subdivision**  
**3000 Shaw Drive**  
 LIBERTY, WEBER COUNTY, UTAH

**2950 E 9+17.82 - 13+97.82**

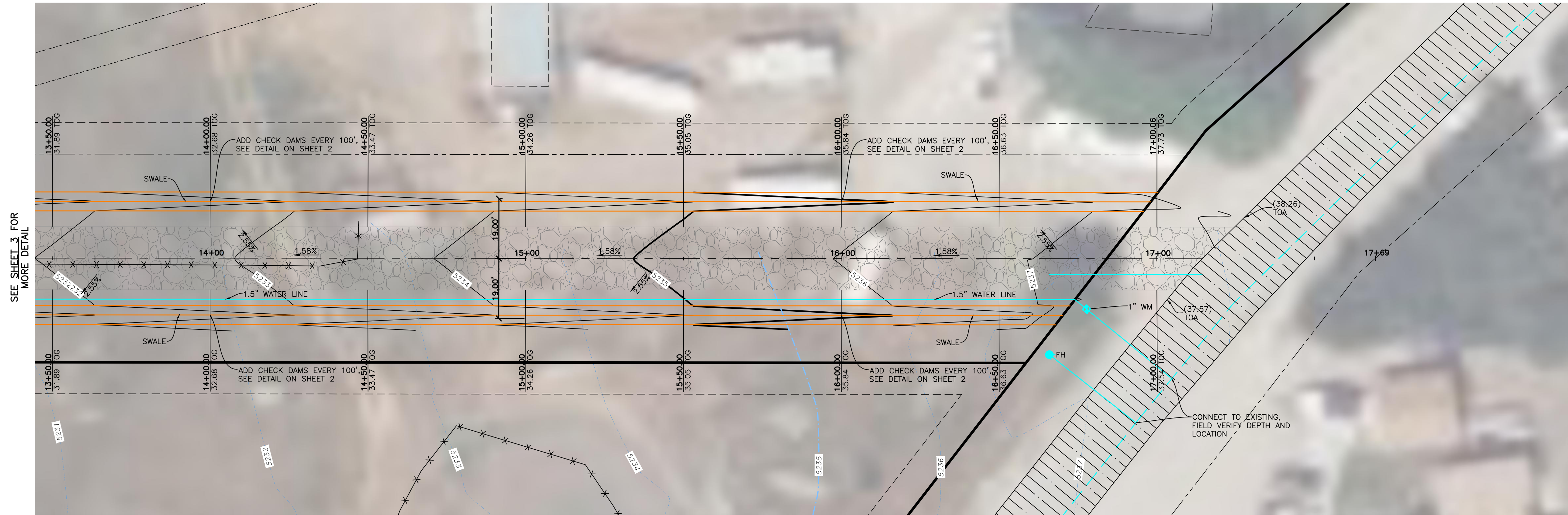
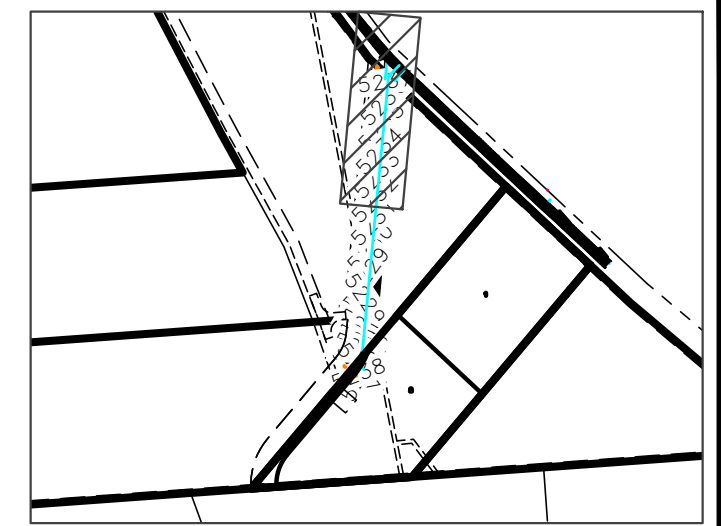


**Project Info.**  
 Engineer: JEREMY A. DRAPER, P.E.  
 Drafter: Z. DECARIA  
 Begin Date: AUGUST 2023  
 Name: HADLOCK SUBDIVISION  
 Number: 8228-01



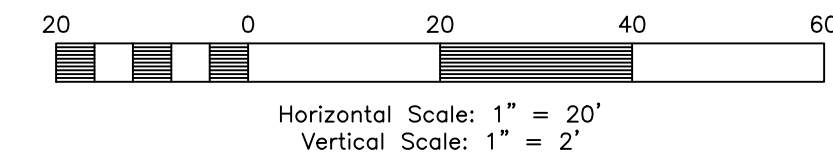
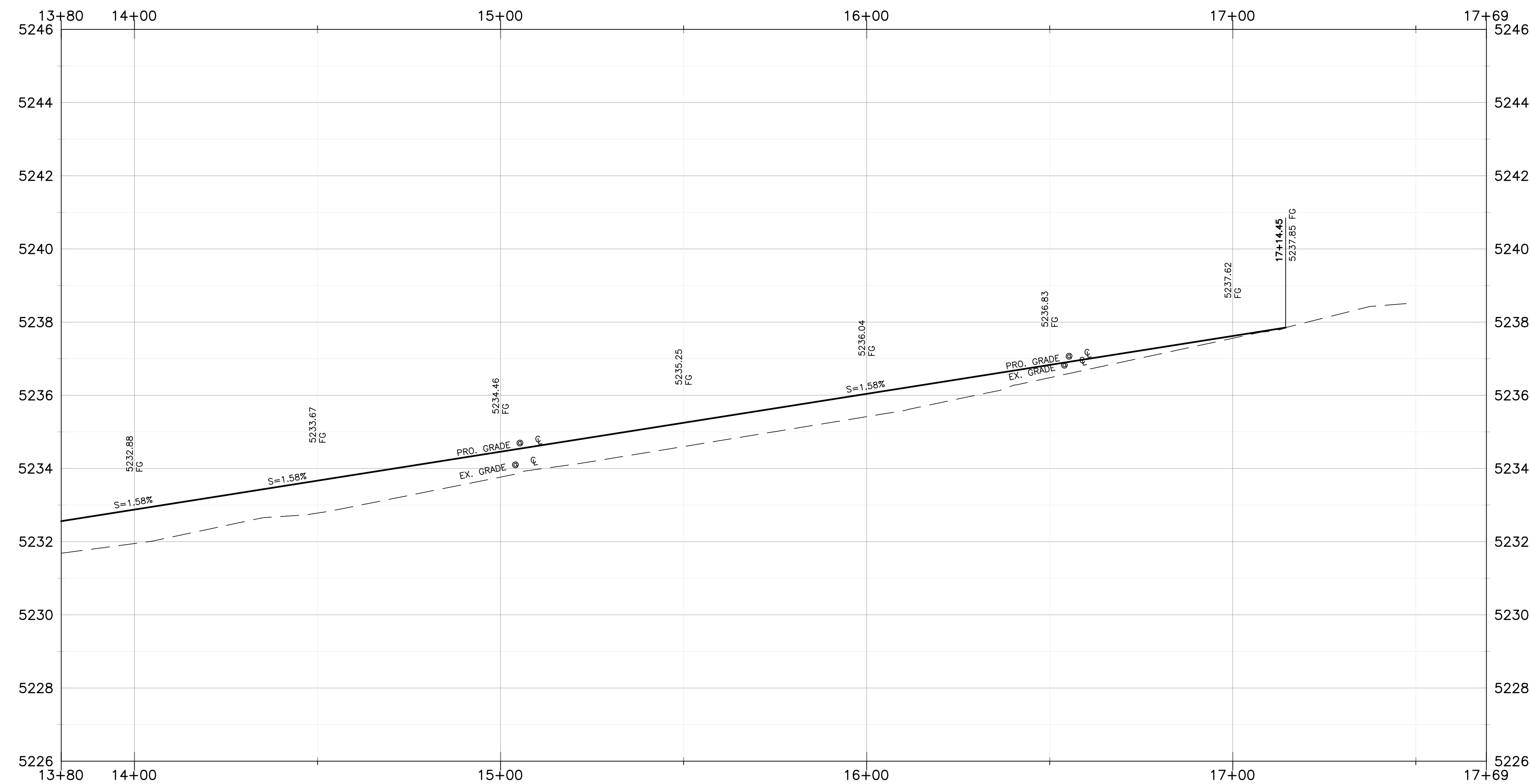
**Key Map**

NOT TO SCALE



SEE SHEET 3 FOR MORE DETAIL

**2950 E 13+97.82 - 17+69.28**



**Reeve & Associates, Inc.**  
 5160 SOUTH 1500 WEST, RIVERDALE, UTAH 84405  
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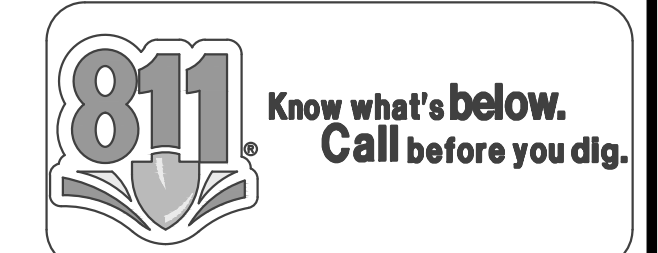
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	11-27-23	ED Client Comments

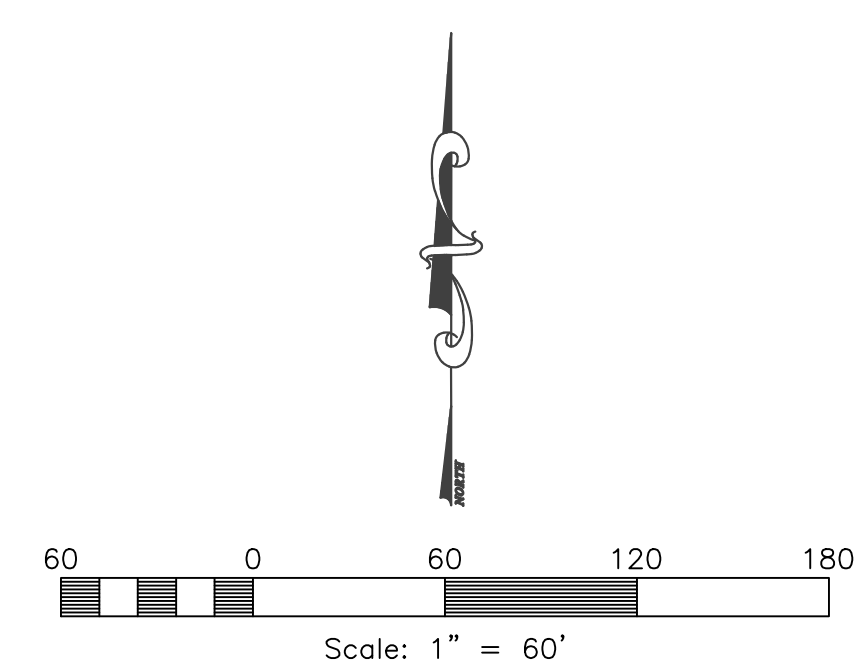
**Hadlock Subdivision**  
**3000 Shaw Drive**  
 LIBERTY, WEBER COUNTY, UTAH

**2950 E 13+97.82 - 17+69.28**



**Project Info.**  
 Engineer: JEREMY A. DRAPER, P.E.  
 Drafter: Z. DECARIA  
 Begin Date: AUGUST 2023  
 Name: HADLOCK SUBDIVISION  
 Number: 8228-01





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 5160 SOUTH 1500 WEST, RIVERDALE, UTAH 84405  
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**RA**

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REVISIONS	DESCRIPTION
DATE	County Comments
11-13-23	ZD
11-27-23	ZD
	Client Comments

**Hadlock Subdivision**  
**3000 Shaw Drive**  
 LIBERTY, WEBER COUNTY, UTAH

**Master Grading Plan**



**Project Info.**

Engineer: JEREMY A. DRAPER, P.E.  
 Drafter: Z. DECARIA  
 Begin Date: AUGUST 2023  
 Name: HADLOCK SUBDIVISION  
 Number: 8228-01



# HADLOCK SUBDIVISION

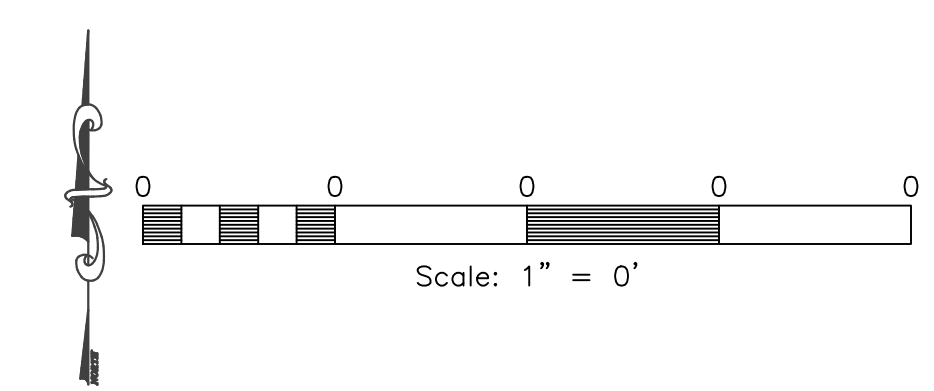
## 3000 Shaw Drive

### Storm Water Pollution Prevention Plan Exhibit




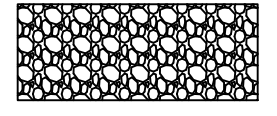
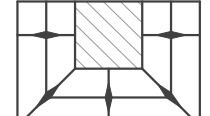
LIBERTY, WEBER COUNTY, UTAH  
AUGUST, 2023



Vicinity Map  
NOT TO SCALE



#### SWPPP Legend

-  = PORTABLE TOILET
-  = INLET PROTECTION TYP. (SEE DETAIL)
-  = STRAW WATTLE (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.....	LIBERTY, WEBER COUNTY, UTAH
- PROJECT BEGINNING DATE.....	SEPTEMBER 2023
- BMP'S DEPLOYMENT DATE.....	SEPTEMBER 2023
- STORM WATER MANAGEMENT CONTACT / INSPECTOR.....	THOMAS BUTLER (801) 915-1338
- SPECIFIC CONSTRUCTION SCHEDULE INCLUDING BMP CONSTRUCTION SCHEDULE TO BE INCLUDED WITH SWPPP BY OWNER/DEVELOPER	

**Reeve & Associates, Inc.**  
 5160 SOUTH 1500 WEST, RIVERDALE, UTAH 84405  
 TEL: (801) 621-3100 www.ra-inc.co

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 TRAFFIC ENGINEERS • STRUCTURAL ENGINEERS • GEOTECHNICAL ENGINEERS

REVISIONS	DATE	DESCRIPTION
	11-13-23	ZD County Comments
	11-27-23	ZD Client Comments

**Hadlock Subdivision**  
**3000 Shaw Drive**  
 LIBERTY, WEBER COUNTY, UTAH

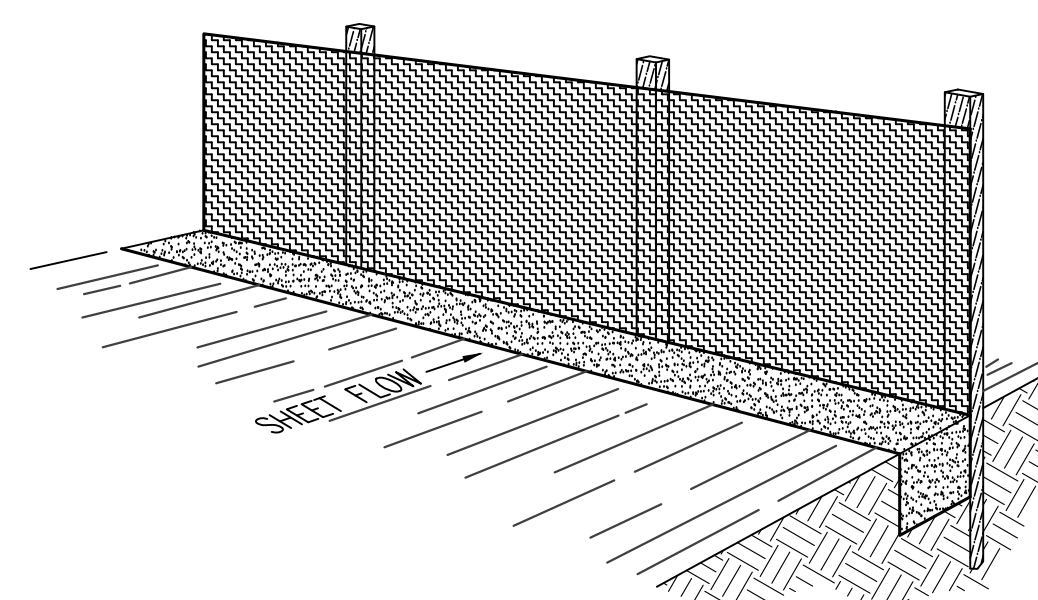
**Storm Water Pollution Prevention Plan Exhibit**



Project Info.	
Engineer:	JEREMY A. DRAPER, P.E.
Drafter:	Z. DECARIA
Begin Date:	AUGUST 2023
Name:	HADLOCK SUBDIVISION
Number:	8228-01

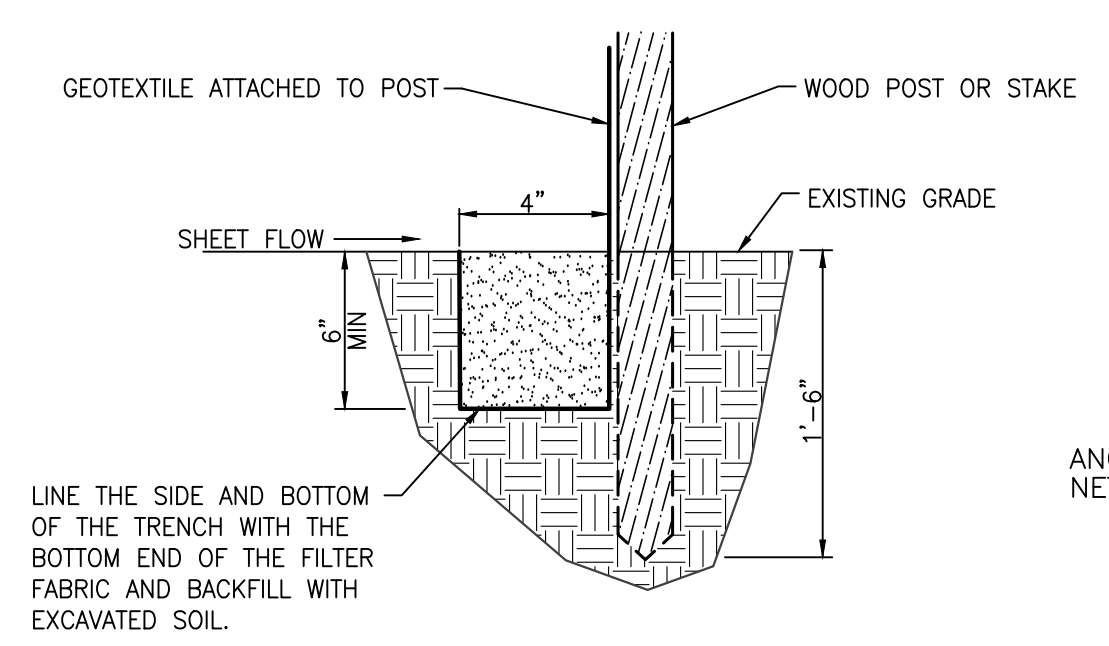
**Notes:**

- 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.

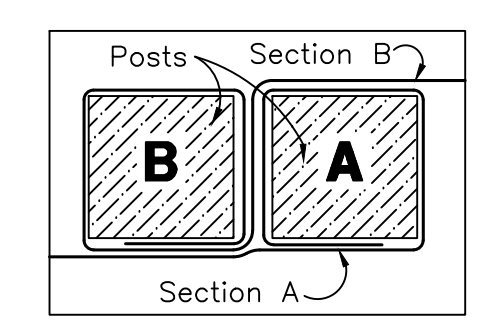
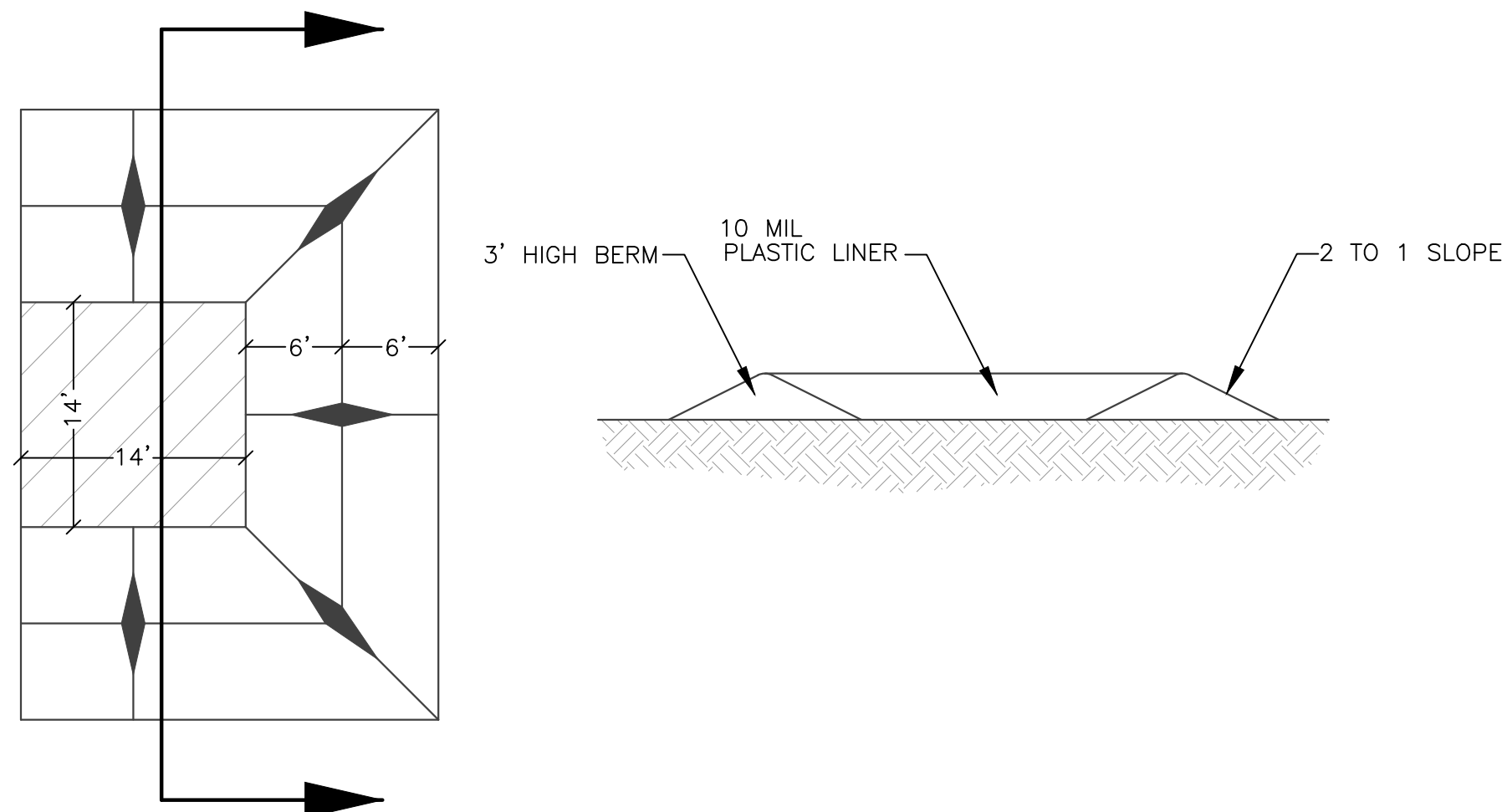


Figure 1: Top View of Roll-to-Roll Connection

**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

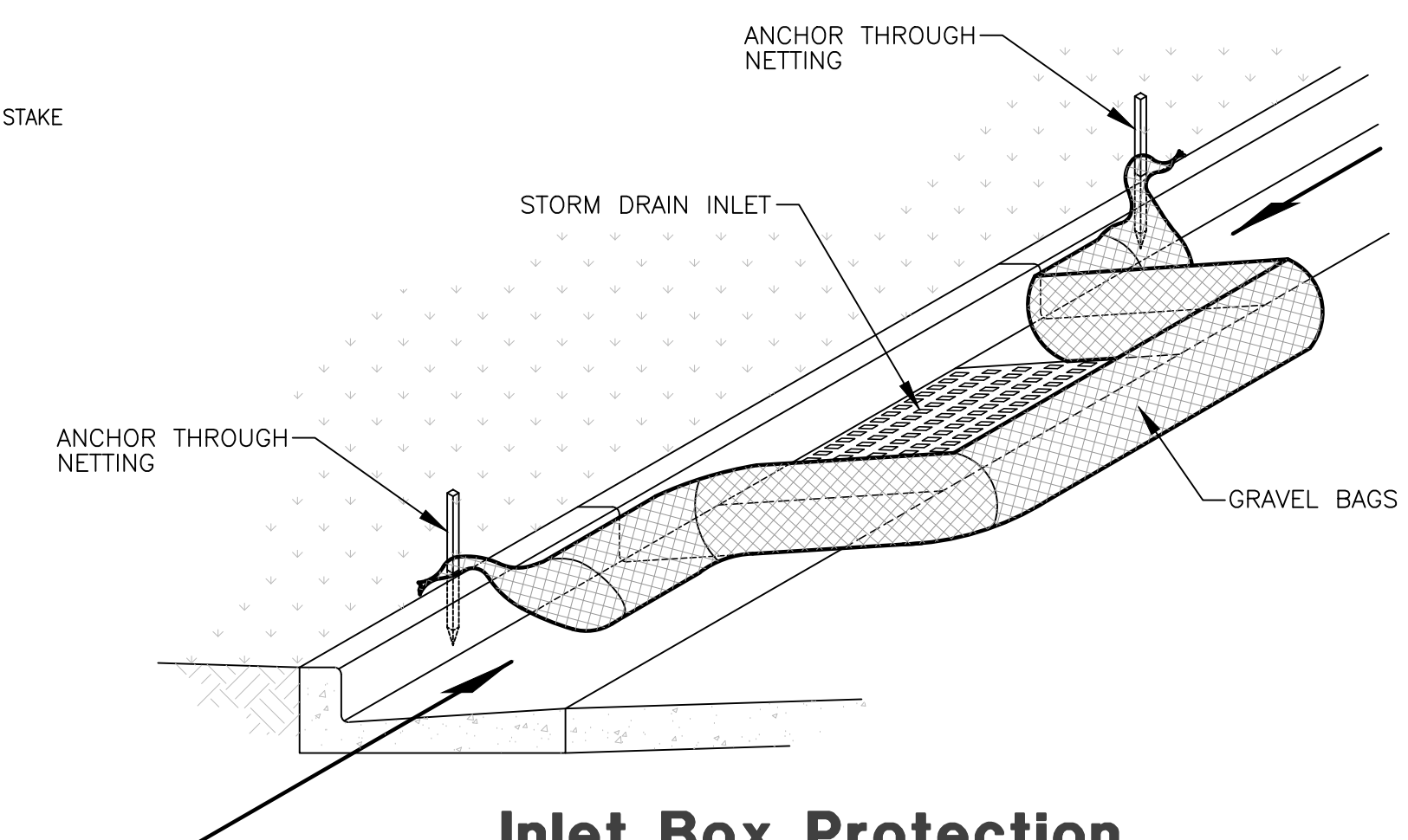
**Silt Fence Detail**

SCALE: NONE

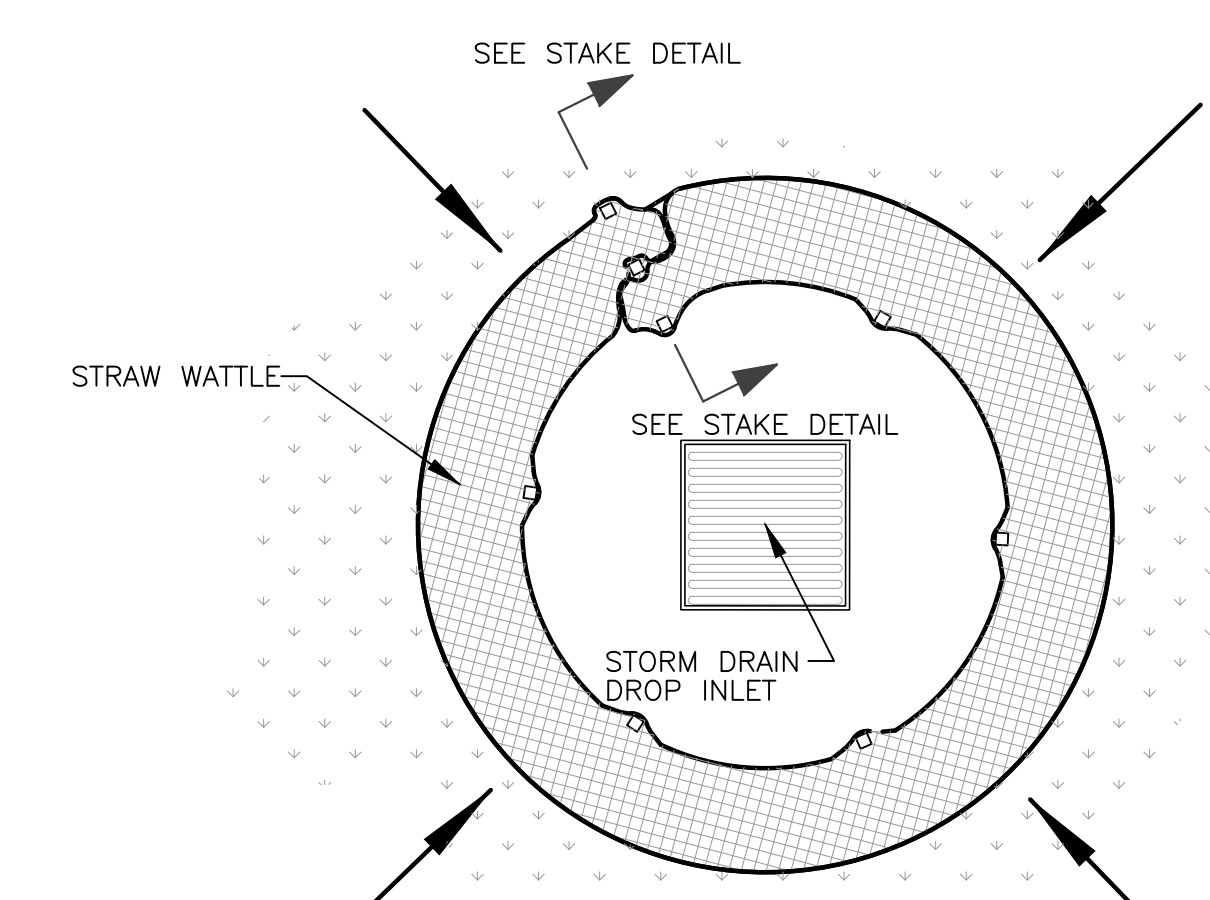


**Concrete Washout Area w/ 10 mil Plastic Liner**

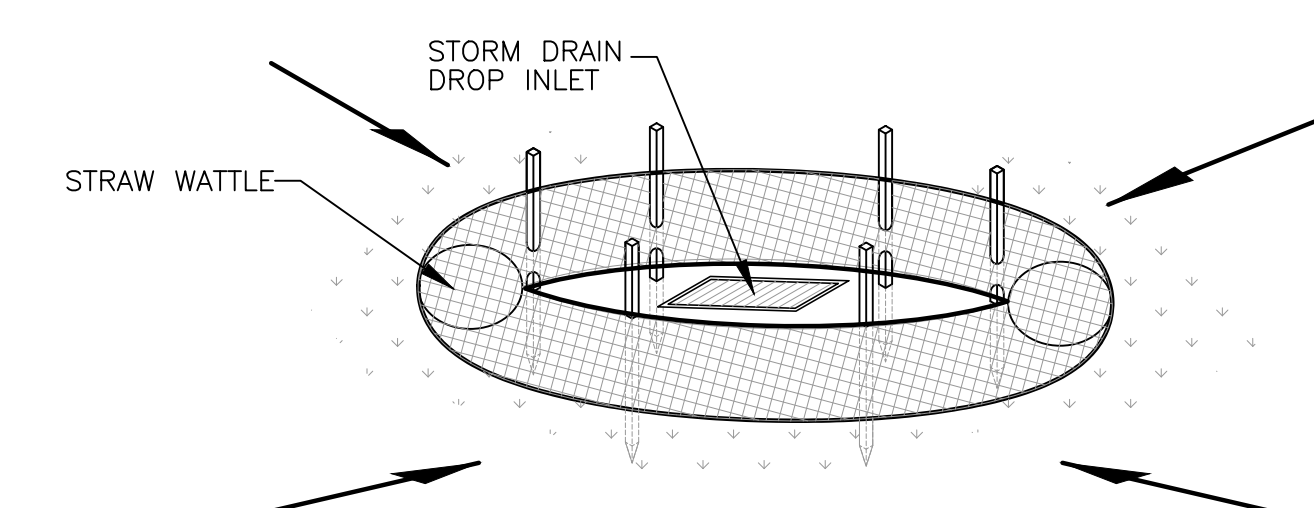
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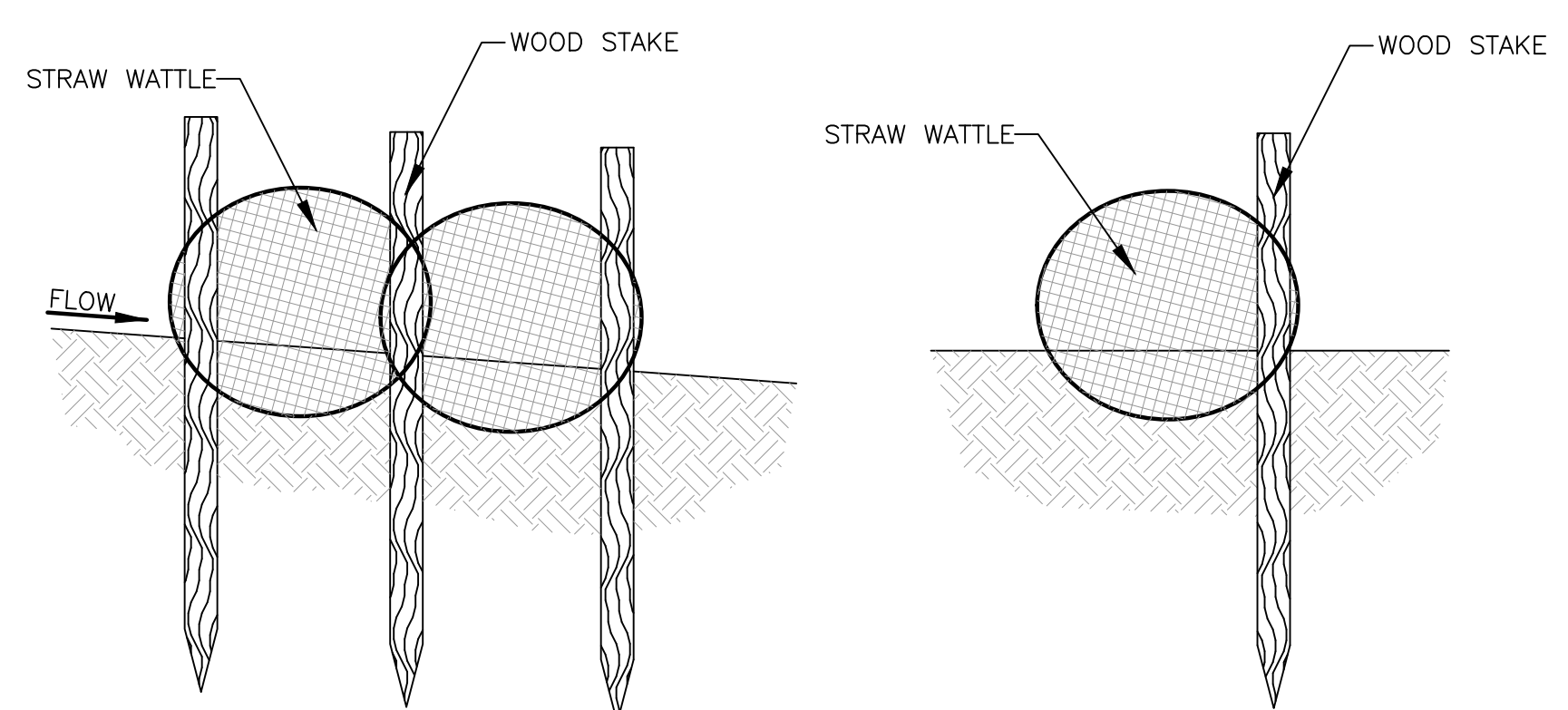
**Inlet Box Protection**



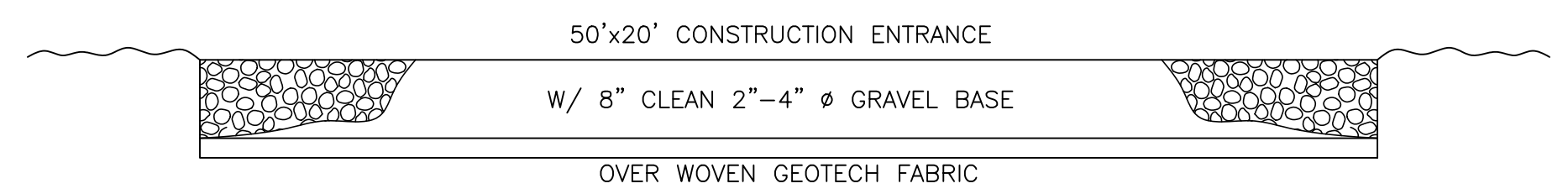
**Plan View**



**Drop Inlet Protection**



**Stake Detail**



**Cross Section 50' x 20' Construction Entrance**

**Reeve & Associates, Inc.**  
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TRAFFIC ENGINEERS • STRUCTURAL ENGINEERS • GEOTECHNICAL ENGINEERS

REVISIONS	DATE	DESCRIPTION
11-13-23	ZD	County Comments
11-27-23	ZD	Client Comments

**Hadlock Subdivision**  
3000 Shaw Drive  
LIBERTY, WEBER COUNTY, UTAH

**Storm Water Pollution Prevention Plan Details**



**Project Info.**  
Engineer: JEREMY A. DRAPER, P.E.  
Drafted: Z. DECARIA  
Begin Date: AUGUST 2023  
Name: HADLOCK SUBDIVISION  
Number: 8228-01