

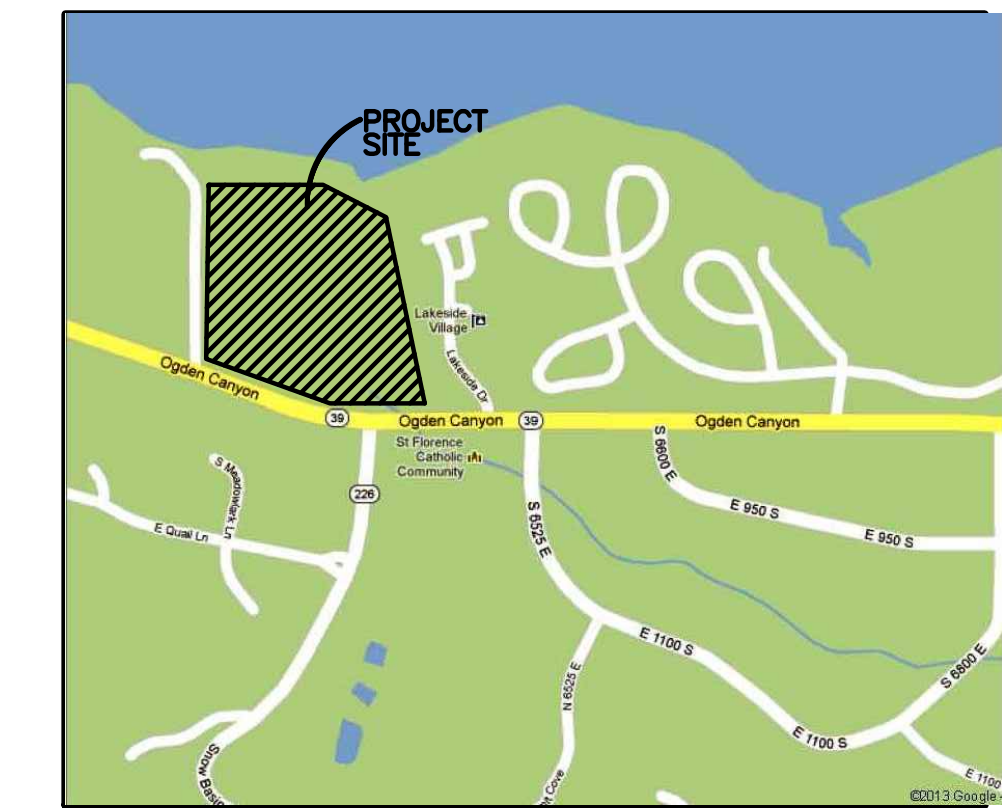
Project Narrative/Notes/Revisions

- 1) 3/18/13 CA - DESIGN CHANGES.
- 2) 6/24/13 CA - COUNTY ENGINEERS/ROAD WAY CHANGES.
- 3) 7/3/13 RH - COUNTY ENGINEERS/ROAD WAY CHANGES.

EDGEWATER ESTATES

Phase-1 Improvement Plans

HUNTSVILLE, WEBER COUNTY, UTAH
JUNE, 2013



Vicinity Map
NOT TO SCALE

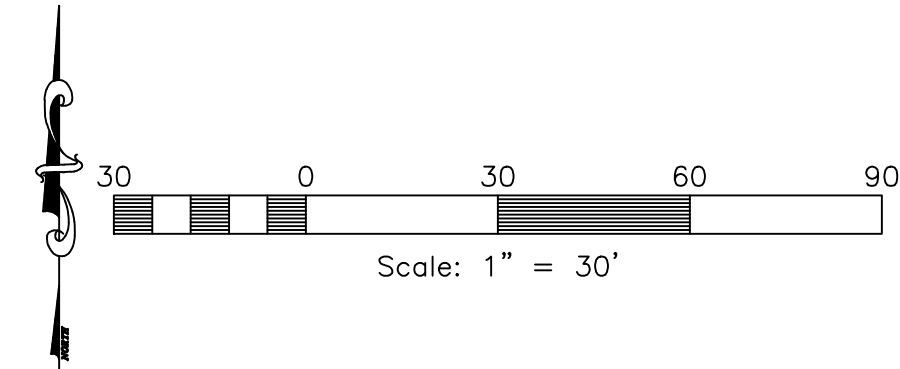


Sheet Index

- Sheet 1 - Cover/Index Sheet
- Sheet 2 - Drainage & Grading Plan
- Sheet 3 - Utility Plan
- Sheet 4 - SD Calculations
- Sheet 5 - Details
- Sheet 6 - SWPPP
- Sheet 7 - SWPPP Details

General Notes

1. CONSTRUCTION STAKING TO BE PROVIDED BY REEVE & ASSOCIATES, INC.
2. ANY MODIFICATION TO THIS CONSTRUCTION PACKAGE OR TO THE CONSTRUCTION SCHEDULE SHALL BE APPROVED BY THE ENGINEER PRIOR TO SAID APPROVAL. ALL IMPROVEMENT DRAWINGS SHALL BE RESUBMITTED AND APPROVED BY THE ARCHITECT.
3. THE CONTRACTOR SHALL LOCATE, RETAIN AND PROTECT ALL EXISTING UTILITIES UNLESS OTHERWISE DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
4. THE CONTRACTOR SHALL MAINTAIN 10 FOOT HORIZONTAL AND 18 INCH VERTICAL SEPARATION, CULINARY WATER LINES, SANITARY SEWER, AND STORM DRAIN LINES.
5. THE CONTRACTOR SHALL INSTALL ALL SANITARY SEWER MAINS, SERVICE LINES AND STORM DRAIN LINES PRIOR TO INSTALLING ANY WATER SYSTEM IMPROVEMENTS. ADJUST WATER MAIN DEPTH PER JURISDICTION AS REQUIRED TO AVOID SANITARY SEWER SERVICE LINES.
6. CONTRACTOR SHALL NOTIFY ARCHITECT OF ALL UTILITY CONFLICTS UPON DISCOVERY.
7. CONTRACTOR SHALL COORDINATE CONSTRUCTION AND INSTALLATION OF ELECTRICAL, TELEPHONE, NATURAL GAS AND CABLE TV SERVICES WITH THE RESPECTIVE UTILITY COMPANY. OWNER SHALL PAY ALL ASSOCIATED UTILITY COMPANY FEES.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SLOPE AND CONSTRUCTION OF CONNECTING SEWER PIPING.
9. CONTRACTOR SHALL BE RESPONSIBLE OF PROPER BACKFILLING, COMPACTING, AND PAVEMENT RESTORATION.
10. CONTRACTOR TO OBTAIN ALL NECESSARY PERMIT(S) AND COMPLY WITH ALL PERMITTING REQUIREMENTS.
11. ALL THRUST BLOCKS SHALL BE POURED IN PLACE AGAINST UNDISTURBED SOIL. ALL VALVES, FITTINGS, AND APPURTENANCES TO BE BLOCKED.
12. ALL EXPOSED NUTS AND BOLTS WILL BE COATED WITH A NON-OXIDE WASH AND WRAPPED IN 8-MIL POLYETHYLENE AS DIRECTED BY GEOTECHNICAL STUDY.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ACCORDING TO GOVERNING AGENCIES STANDARDS. WET DOWN DRY MATERIALS AND RUBBISH TO PREVENT BLOWING.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ADJACENT SURFACE IMPROVEMENTS DURING CONSTRUCTION.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY SETTLEMENT OF OR DAMAGE TO EXISTING UTILITIES FOR WARRANTY PERIOD.
16. ALL EXISTING ASPHALT SHALL BE SAW CUT IN NEAT STRAIGHT LINES BY THE CONTRACTOR PRIOR TO EXCAVATION.
17. CONTRACTOR TO INSTALL MAGNETIC LOCATING TAPE CONTINUOUSLY OVER ALL PVC PIPING.
18. THE CONTRACTOR IS RESPONSIBLE TO FURNISH ALL MATERIALS TO COMPLETE PROJECT.
19. TRAFFIC CONTROL IS TO CONFORM TO THE CURRENT CITY AND/OR STATE TRANSPORTATION ENGINEERS' MANUAL.
20. A UPDES GENERAL CONSTRUCTION STORM WATER PERMIT MUST BE OBTAINED BY THE GENERAL CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION.
21. ALL WORK SHALL CONFORM TO WEBER COUNTY STANDARD SPECIFICATIONS AND DRAWINGS.



Engineer's Notice To Contractors

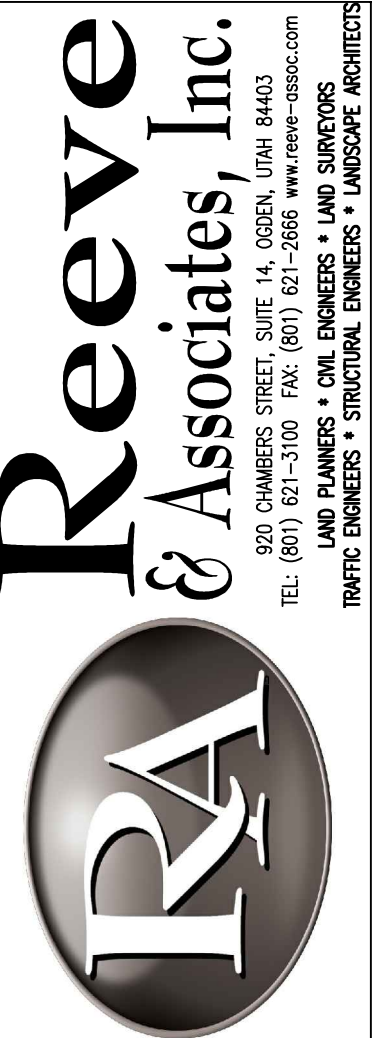
THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED FROM AVAILABLE INFORMATION PROVIDED BY OTHERS. THE LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR, SO THAT ANY NECESSARY ADJUSTMENT CAN BE MADE IN ALIGNMENT 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.

Contact:

REESE HOWELL, JR.
CELTIC BANK 268 S. STATE STREET, UT. 84111
PH: (801) 363-6500

Blue Stakes Location Center
Call: Toll Free
1-800-662-4111
Two Working Days Before You Dig

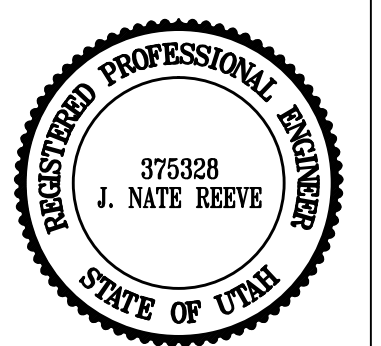
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By Michael Tuttle at 10:53 am, Jul 03, 2013



REVISIONS	DATE	DESCRIPTION
7-20-13	RH	Utility Changes
7-31-13	RH	Design Complete
8-14-13	CA	Design Complete
8-21-13	CA	Co. Eng. review
7-3-13	RH	Co. Eng. review

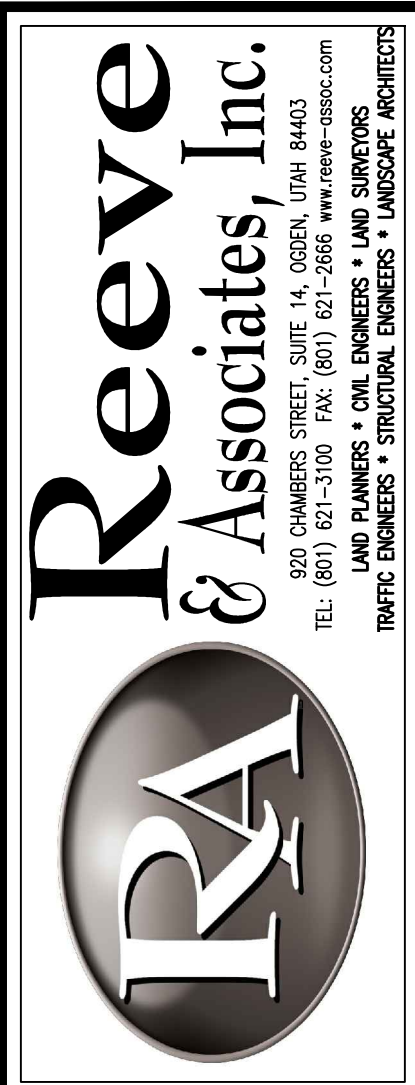
Edgewater Beach Resort
Phase-1
WEBER COUNTY, UTAH
COVER SHEET

Revised 07-03-13



Project Info.
Engineer: J. NATE REEVE, P.E.
Drafted: R. HANSEN
Begin Date: JULY 09, 2012
Name: EDGEWATER ESTATES PHASE-1
Number: 5917-15

Sheet **7**
1 Sheets



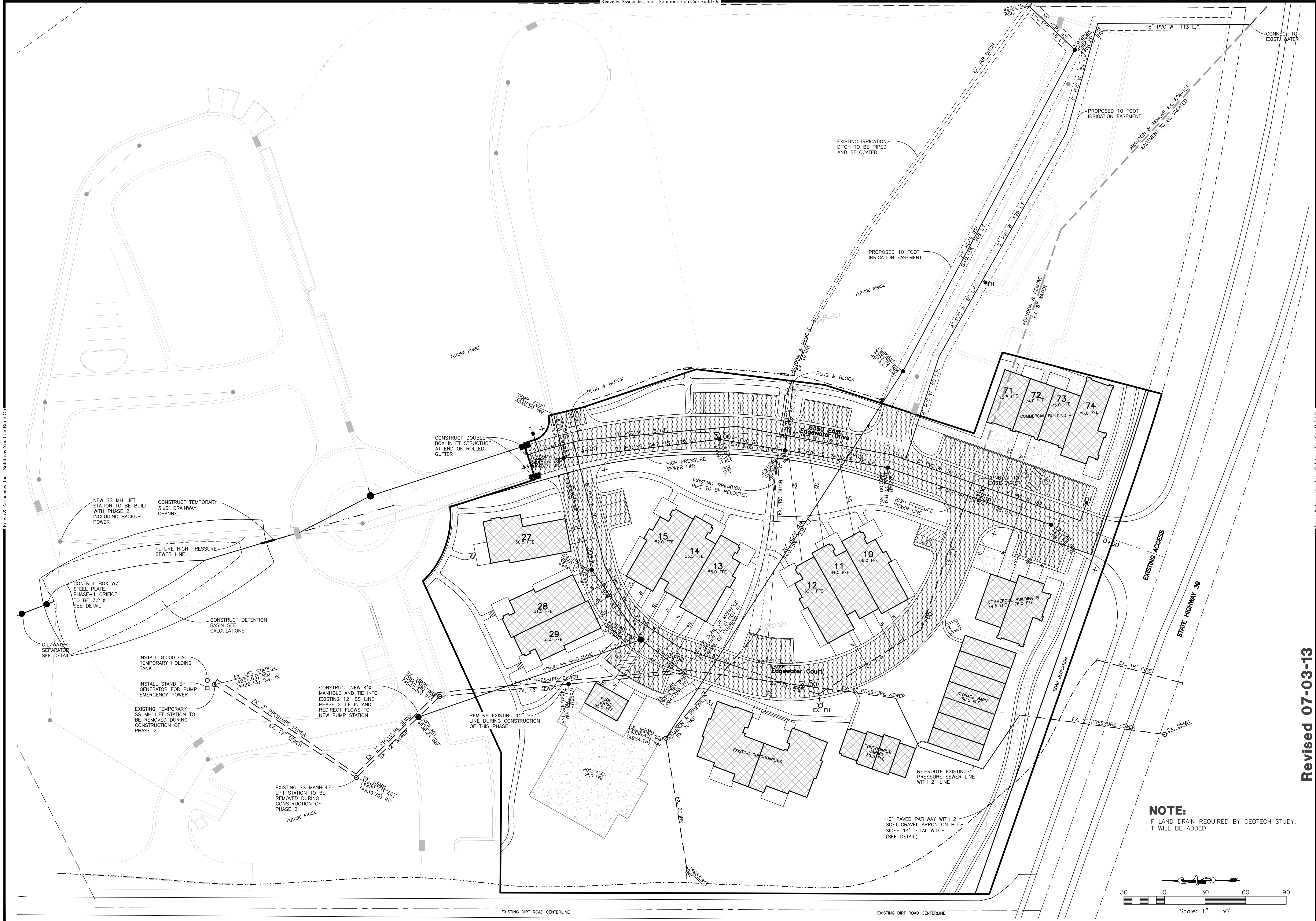
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**Edgewater Beach Resort
Phase-1
WEBER COUNTY, UTAH
GRADING PLAN**

Revised 07-03-13

REGISTERED PROFESSIONAL ENGINEER
375328
J. NATE REEVE
STATE OF UTAH

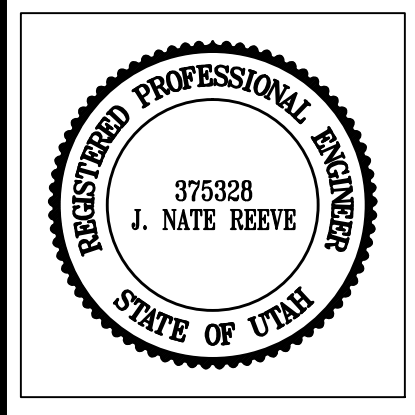
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 Engineer: J. NATE REEVE, P.E.
 Drafter: R. HANSEN
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 920 CHAMBERS STREET, SUITE #14, OGDEN, UTAH 84403
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 LAND PLANNERS • CIVIL ENGINEERS • LAND SURVEYORS
 TRAFFIC ENGINEERS • STRUCTURAL ENGINEERS • LANDSCAPE ARCHITECTS

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7-3-13	RH	Co. Eng. review

Edgewater Beach Resort Phase-1
 WEBER COUNTY, UTAH
UTILITY PLAN



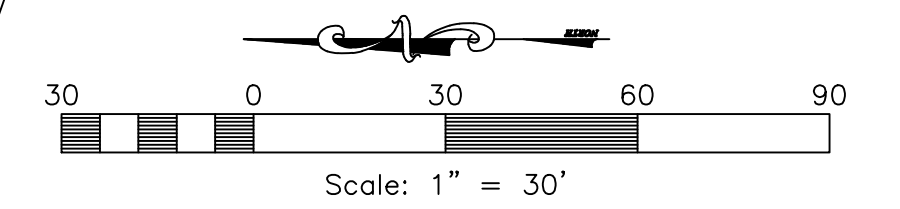
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Sheet **7**
3 Sheets

Revised 07-03-13

NOTE:
 IF LAND DRAIN REQUIRED BY GEOTECH STUDY, IT WILL BE ADDED.



Storm Runoff Calculations

Edgewater Estates-Phase 1

7/31/2012
The following runoff calculations are based on the Rainfall - Intensity - Duration Frequency Curve for the Huntsville, UT area taken from data compiled by NOAA Atlas14, using a 100 year storm.

Runoff storm water has been calculated for two different sets of conditions, one being the existing undeveloped land and the other with land fully improved. The difference between the two quantities will be detained in a holding pond. All water that runs off and over the property at present will be diverted into the holding pond and released at a reduced rate into the existing drainage system.

The calculations are as follows:

1. Runoff from the undeveloped existing land.			
Runoff Coefficient	C =	0.2	
Rainfall Intensity	i =	3.20 IN./HR.	
Runoff Quantity	Q =	CIA	
Acres	A =	3.80 ACRES	
Q(out) = C*I*A =		2.43 CFS	

2. Runoff from developed land			
Runoff Coefficients			
Paved Area	39,774	C = 0.9	
Landscaped Area	97,776	C = 0.2	
Roof	28,173	C = 0.8	
Weighted Runoff Coefficient		C = 0.47	
Rainfall Intensity	i =	varies with time	
Runoff Quantity	Q =	CIA	

3. Detention Basin		
Volume in	Q * t	
Volume out	2.43 * t	

The capacity of the detention basin is calculated as the maximum difference between the volume flowing in and the volume flowing out.

The outflow from the detention basin is limited to outflow if undeveloped.
Use 2.43 cfs for Q outflow

The required volume of the detention basin is 5,917 cubic feet

USE A 7.2 INCH DIAMETER ORIFICE AT OUTLET

DETENTION BASIN

Cumulative Volume For Detention Pond	
Edgewater Estates-Phase 1	
C =	0.47
A =	3.80
Q(out) =	2.43

time (min)	time (sec)	i (in./hr.)	Q (cfs)	Vol. in (cf)	Vol. out (cf)	Difference (cf)
0	0	0.00	0.00	0.00	0.00	0.00
5	300	7.55	13.50	4050.08	730.46	3319.62
10	600	5.75	10.28	6168.99	1460.92	4708.07
15	900	4.75	8.49	7844.18	2191.38	5452.80
30	1800	3.20	5.72	10299.53	4382.76	5916.77
60	3600	1.98	3.54	12745.67	8765.51	3980.16
120	7200	1.14	2.04	14876.93	17531.03	-2854.20
180	10800	0.79	1.41	15198.24	26296.54	-11098.30
360	21600	0.44	0.79	17110.10	52593.08	-35482.99
1440	86400	0.16	0.29	24718.87	210372.34	-185653.46

Huntsville, UT
NOAA Atlas 14

Storm Runoff Calculations

Edgewater Estates-Full

7/31/2012
The following runoff calculations are based on the Rainfall - Intensity - Duration Frequency Curve for the Huntsville, UT area taken from data compiled by NOAA Atlas14, using a 100 year storm.

Runoff storm water has been calculated for two different sets of conditions, one being the existing undeveloped land and the other with land fully improved. The difference between the two quantities will be detained in a holding pond. All water that runs off and over the property at present will be diverted into the holding pond and released at a reduced rate into the existing drainage system.

The calculations are as follows:

1. Runoff from the undeveloped existing land.			
Runoff Coefficient	C =	0.2	
Rainfall Intensity	i =	3.20 IN./HR.	
Runoff Quantity	Q =	CIA	
Acres	A =	13.02 ACRES	
Q(out) = C*I*A =		8.34 CFS	

2. Runoff from developed land			
Runoff Coefficients			
Paved Area	135,807	C = 0.9	
Landscaped Area	334,282	C = 0.2	
Roof	97,276	C = 0.8	
Weighted Runoff Coefficient		C = 0.47	
Rainfall Intensity	i =	varies with time	
Runoff Quantity	Q =	CIA	

3. Detention Basin		
Volume in	Q * t	
Volume out	8.34 * t	

The capacity of the detention basin is calculated as the maximum difference between the volume flowing in and the volume flowing out.

The outflow from the detention basin is limited to outflow if undeveloped.
Use 8.34 cfs for Q outflow

The required volume of the detention basin is 20,288 cubic feet

USE A 13.3 INCH DIAMETER ORIFICE AT OUTLET

DETENTION BASIN

Cumulative Volume For Detention Pond	
Edgewater Estates-Full	
C =	0.47
A =	13.02
Q(out) =	8.34

time (min)	time (sec)	i (in./hr.)	Q (cfs)	Vol. in (cf)	Vol. out (cf)	Difference (cf)
0	0	0.00	0.00	0.00	0.00	0.00
5	300	7.55	46.26	13878.25	2500.78	11377.46
10	600	5.75	35.23	21139.05	5001.56	16137.49
15	900	4.75	29.10	26194.04	7502.35	18691.69
30	1800	3.20	19.61	35293.02	15004.69	20288.33
60	3600	1.98	12.13	43675.12	30009.39	13665.73
120	7200	1.14	6.99	50292.56	60018.78	-9726.22
180	10800	0.79	4.82	52079.27	90028.17	-37948.90
360	21600	0.44	2.71	58630.54	180056.33	-121425.79
1440	86400	0.16	0.98	84703.26	720225.32	-635522.06

Huntsville, UT
NOAA Atlas 14

Worksheet for Irregular Section - 1

Project Description
Friction Method Manning Formula
Solve For Normal Depth

Input Data
Channel Slope 0.0500 #/ft
Discharge 5.72 #/s

Section Definitions
Station (ft) Elevation (ft)

0+00	0.00
0+01	0.50
0+01	0.00
0+13	0.24

Roughness Segment Definitions
Start Station Ending Station Roughness Coefficient

(0+00, 0.00)	(0+13, 0.24)	0.016
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Options
Current roughness vvegnac Pavlovski's Method
Open Channel Weighting Method Pavlovski's Method
Closed Channel Weighting Method Pavlovski's Method

Normal Depth	0.22 ft
Elevation Range	0.00 to 0.50 ft
Flow Area	1.23 ft ²
Wetted Perimeter	11.73 ft
Hydraulic Radius	0.11 ft
Top Width	11.33 ft
Normal Depth	0.22 ft
Critical Depth	0.31 ft
Critical Slope	0.00998 #/ft

Worksheet for Irregular Section - 1

Results
Velocity 4.64 ft/s
Velocity Head 0.33 ft
Specific Energy 0.55 ft
Froude Number 2.48
Flow Type Supercritical

GVF Input Data
Downstream Depth 0.00 ft
Length 0.00 ft
Number Of Steps 0

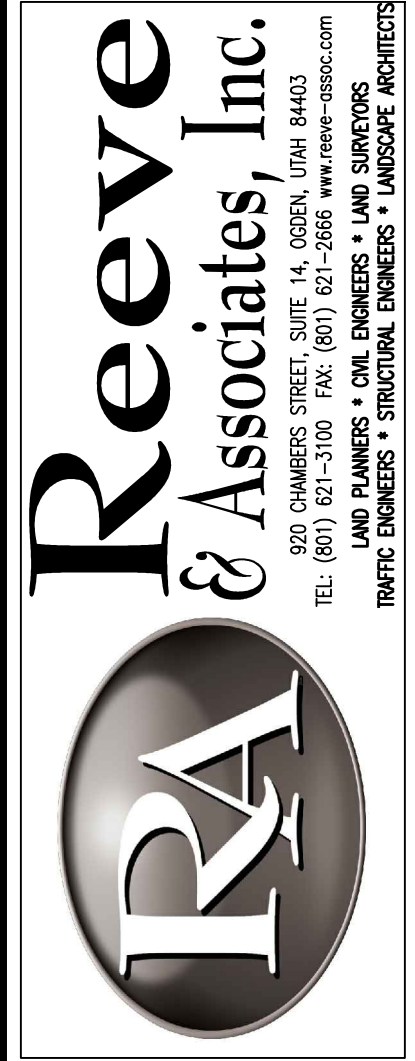
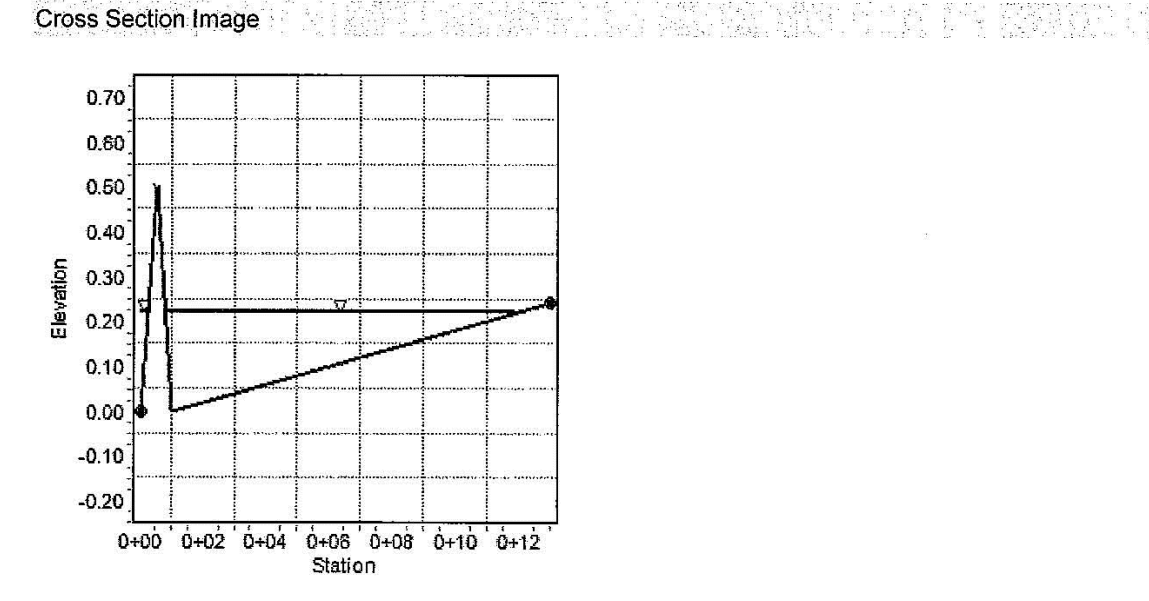
GVF Output Data
Upstream Depth 0.00 ft
Profile Description
Profile Headloss 0.00 ft
Downstream Velocity Infinity ft/s
Upstream Velocity Infinity ft/s
Normal Depth 0.22 ft
Critical Depth 0.31 ft
Channel Slope 0.05000 #/ft
Critical Slope 0.00998 #/ft

Cross Section for Irregular Section - 1

Project Description
Friction Method Manning Formula
Solve For Normal Depth

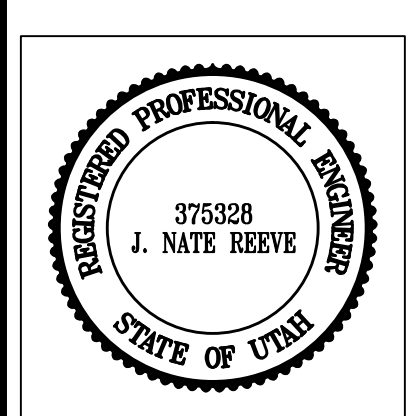
Input Data
Channel Slope 0.0500 #/ft
Normal Depth 0.22 ft
Discharge 5.72 #/s

Cross Section Image

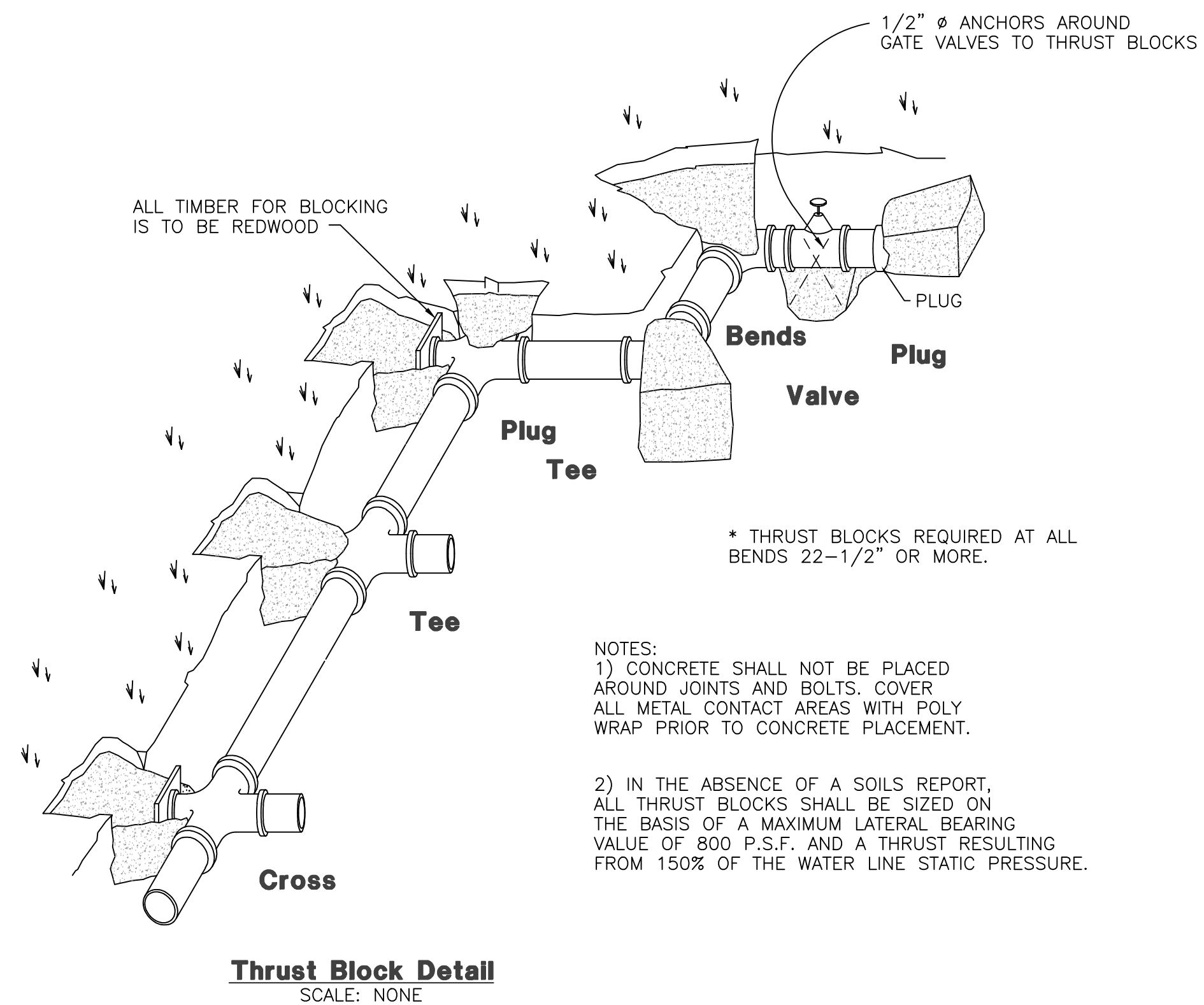
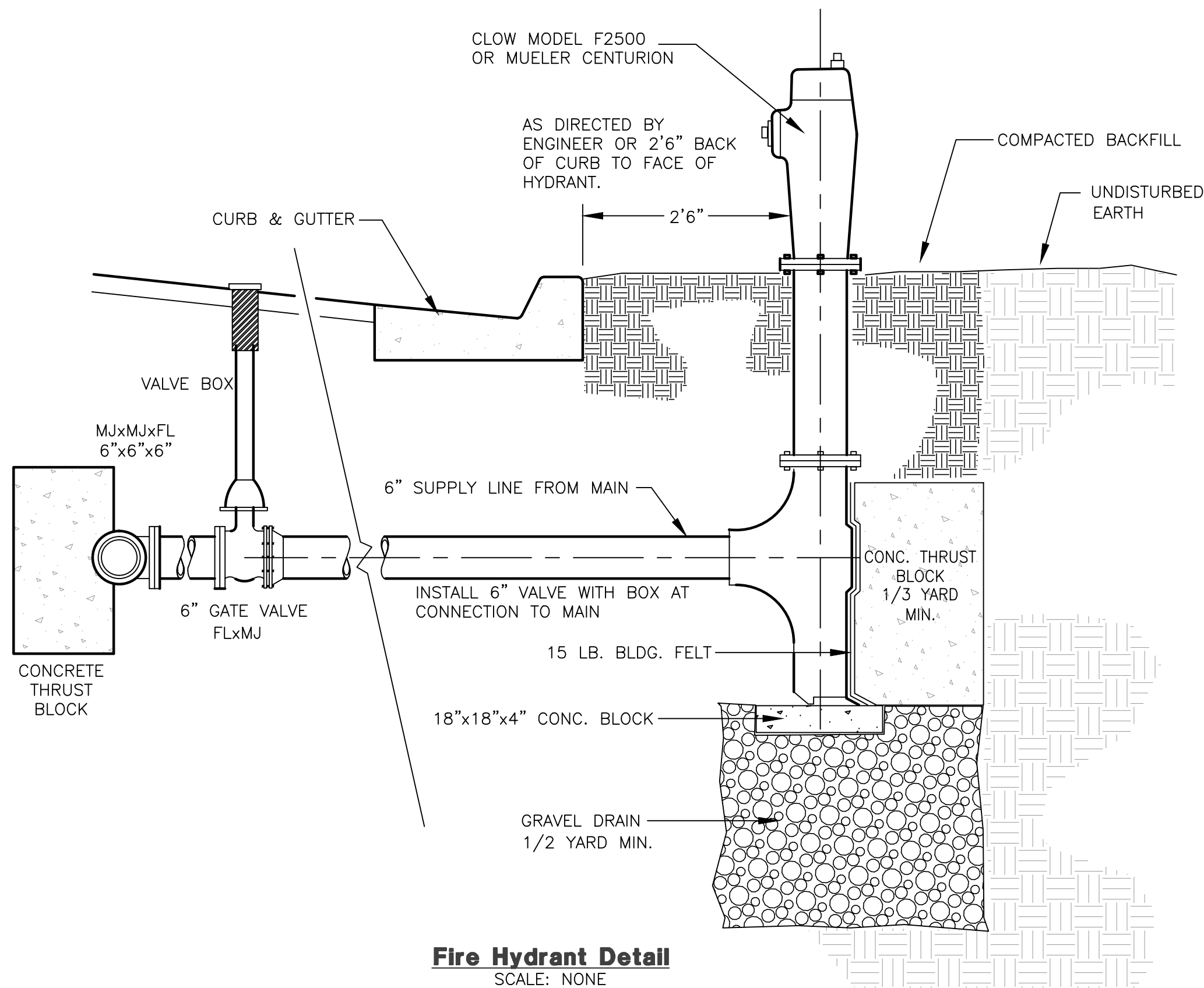
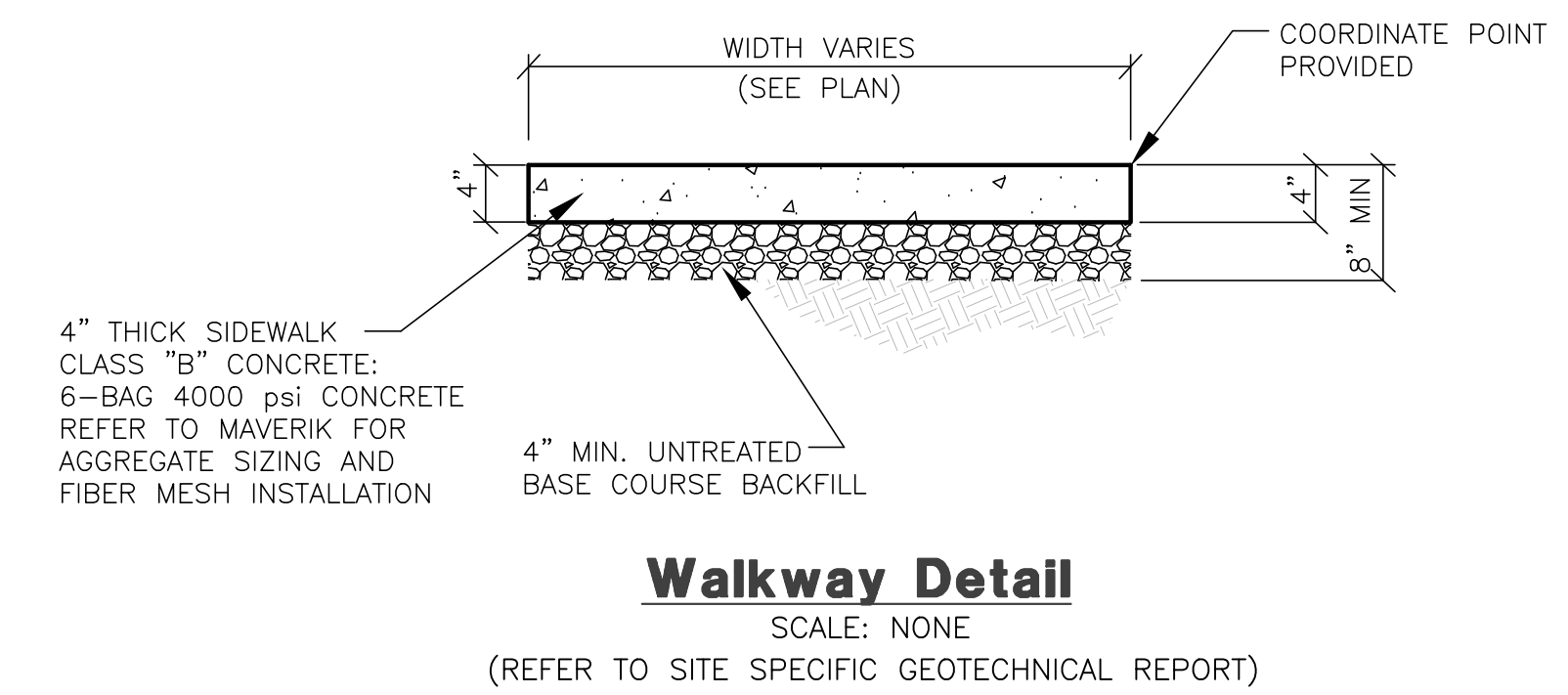
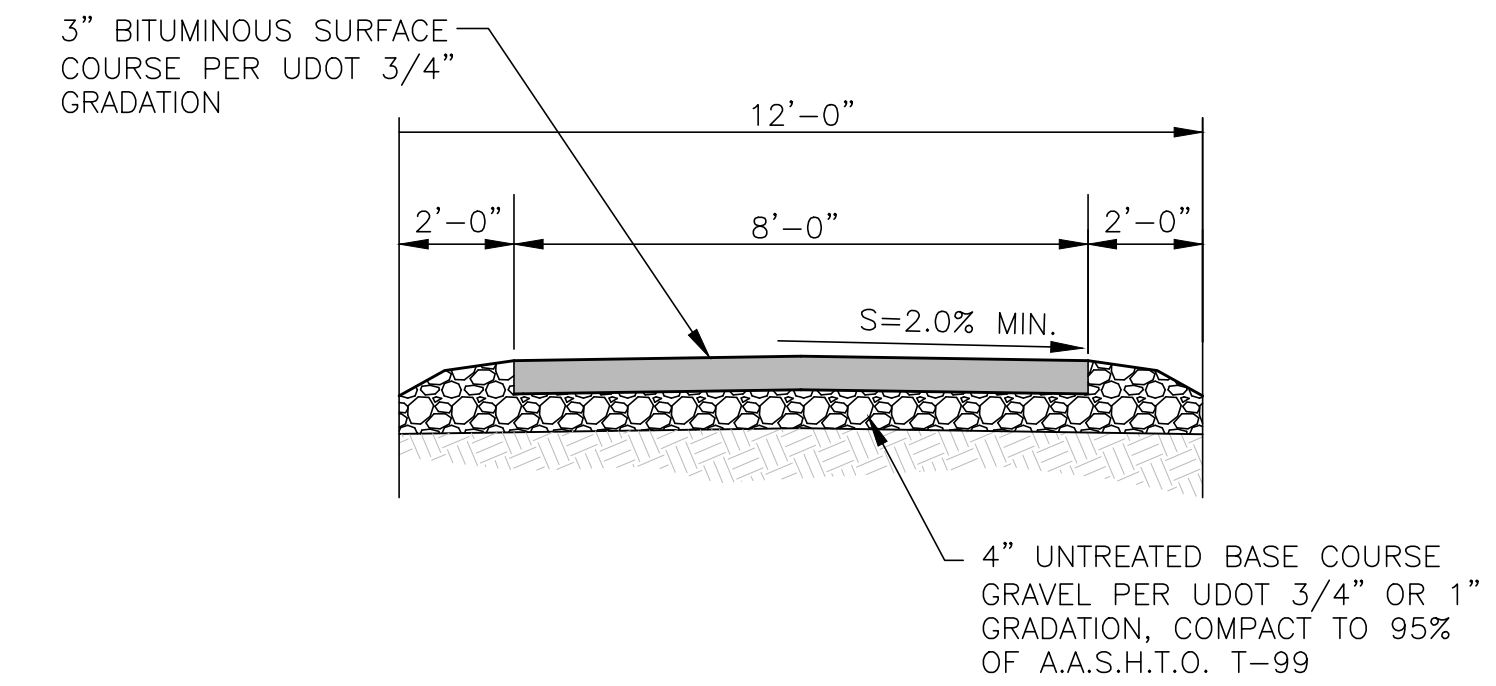
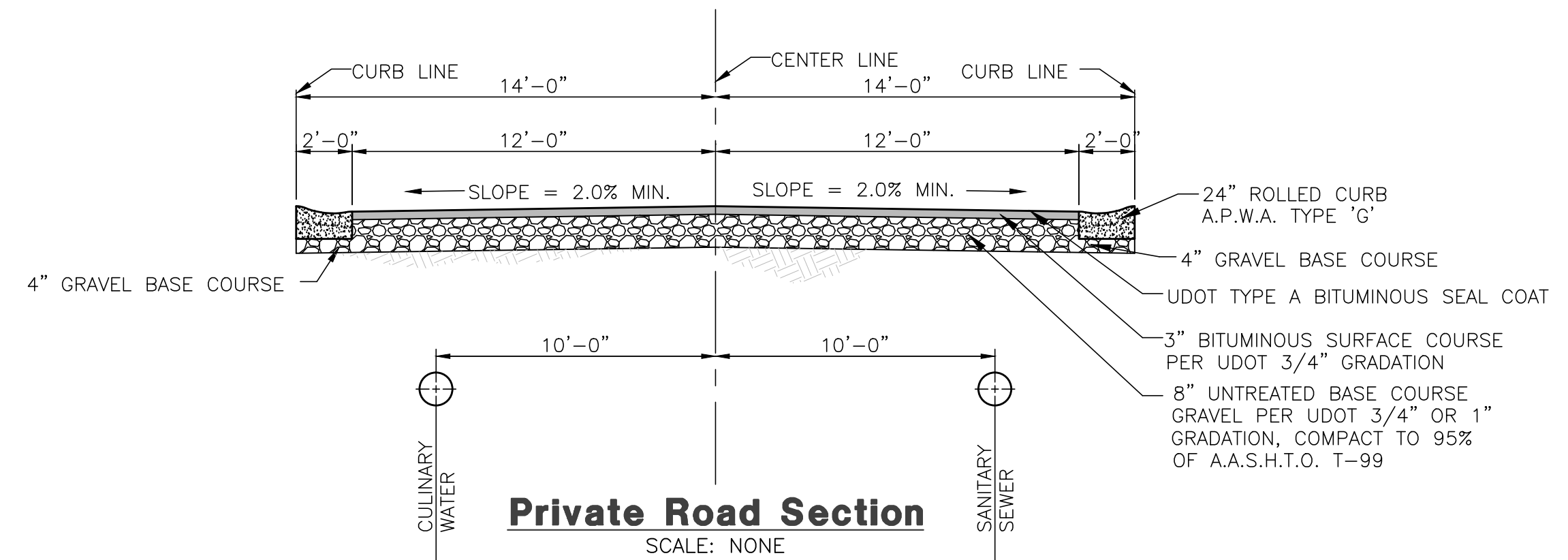
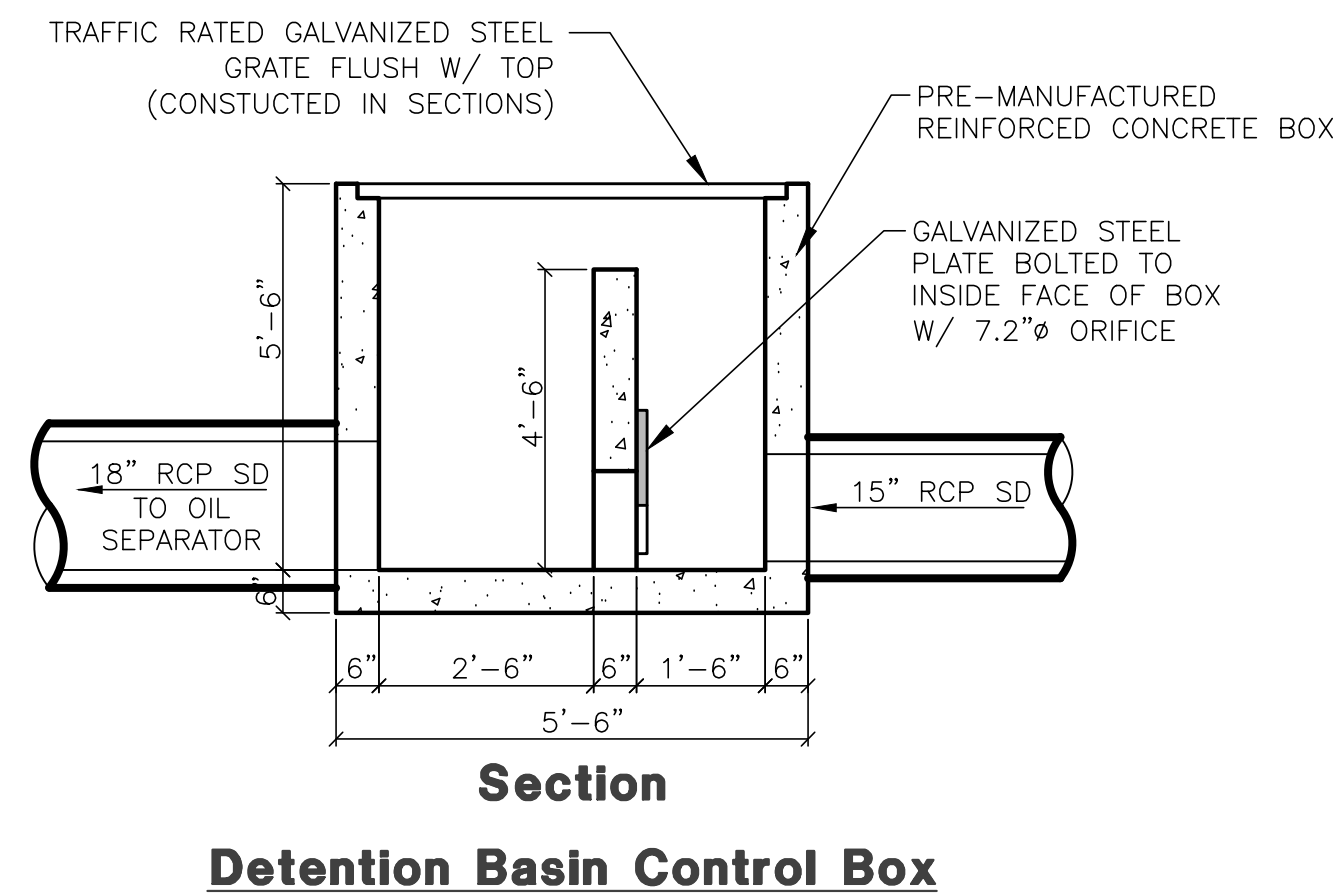
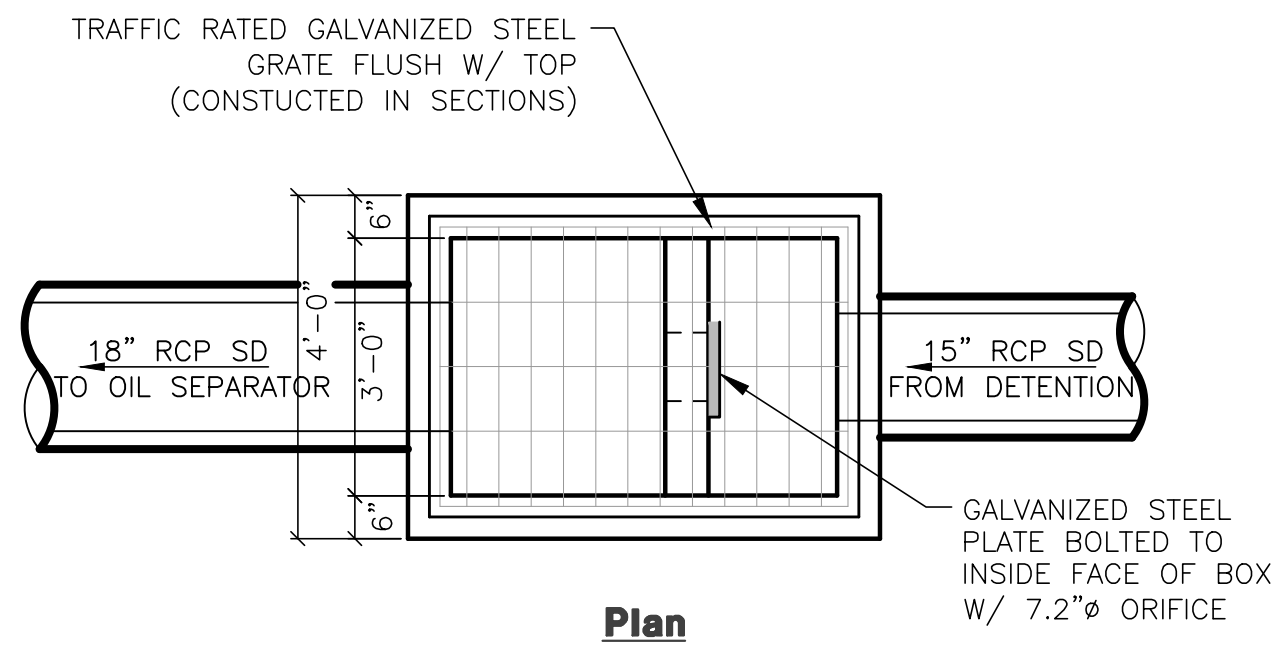
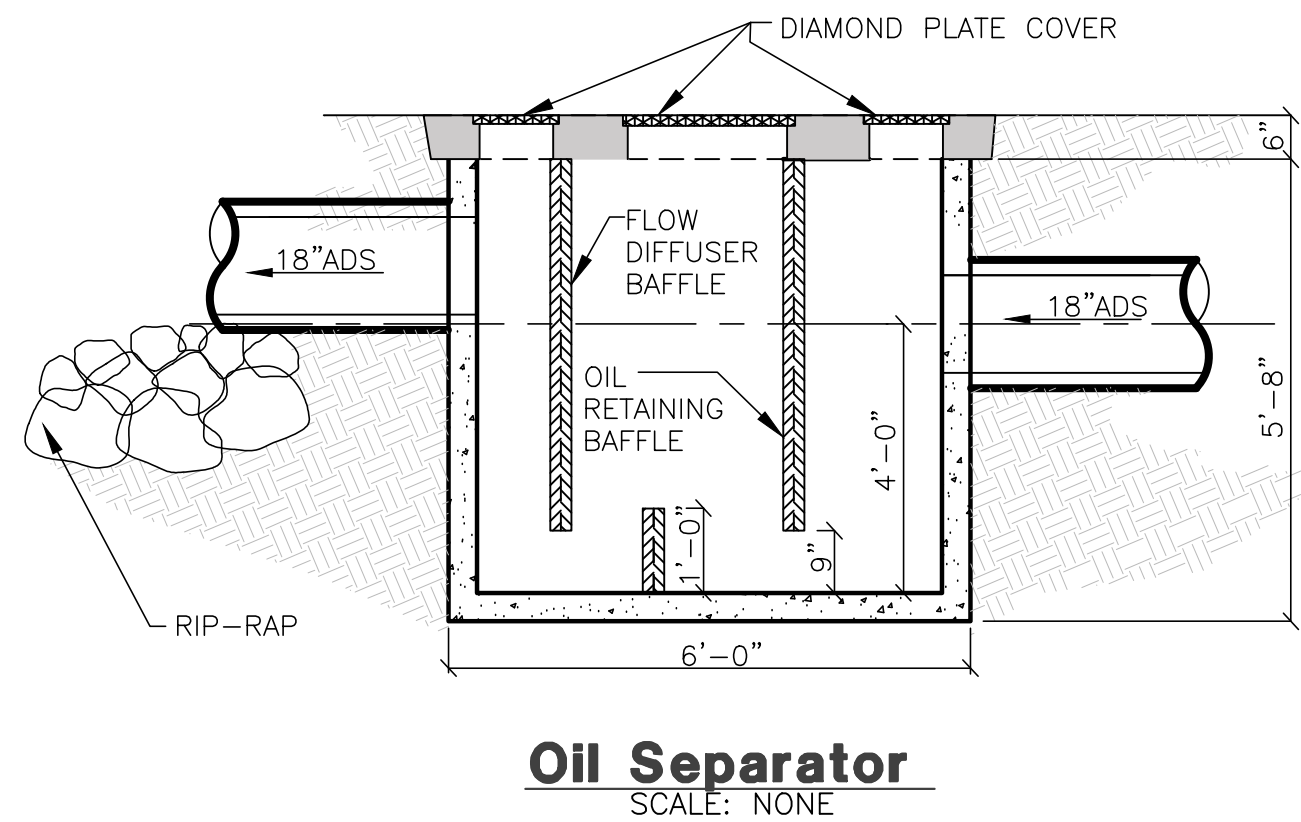
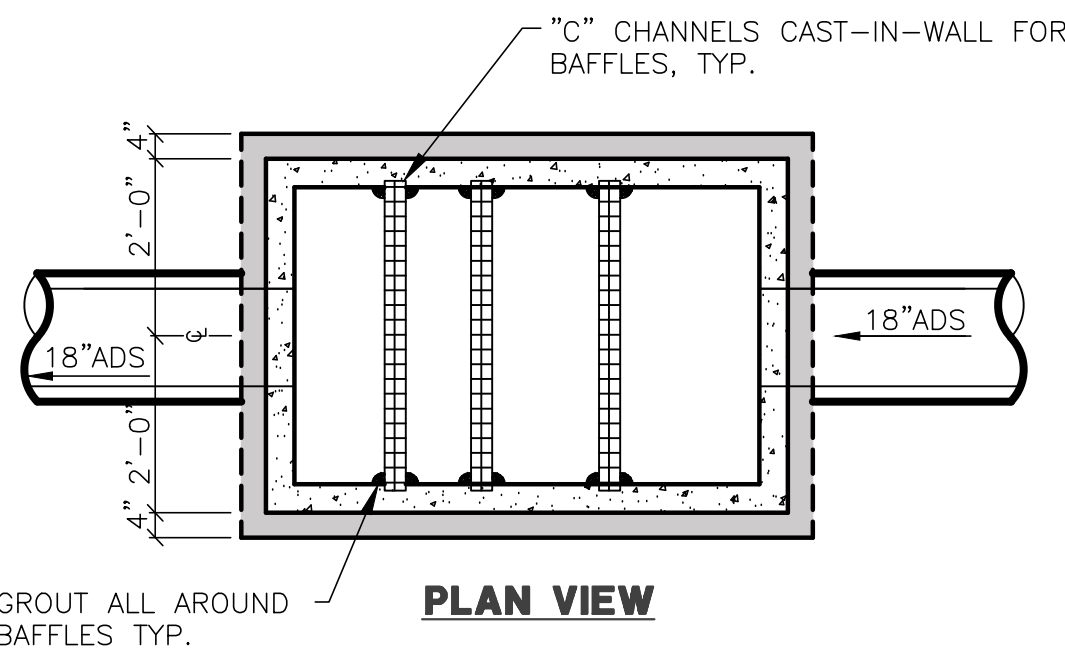


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7-3-13	RH	Co. Eng. review

Edgewater Beach Resort
Phase-1
 WEBER COUNTY, UTAH
SD Calculations



Project Info.
 Engineer: J. NATE REEVE, P.E.
 Drafter: R. HANSEN
 Begin Date: JULY 09, 2012
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Reeve & Associates, Inc.
920 CHAMBERS STREET, SUITE #14, OGDEN, UTAH 84403
TEL: (801) 621-2100 FAX: (801) 621-2666 www.reeve-assoc.com
LAND PLANNERS • CIVIL ENGINEERS • LAND SURVEYORS
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Edgewater Beach Resort Phase-1
WEBER COUNTY, UTAH
CIVIL DETAILS

Revised 07-03-13

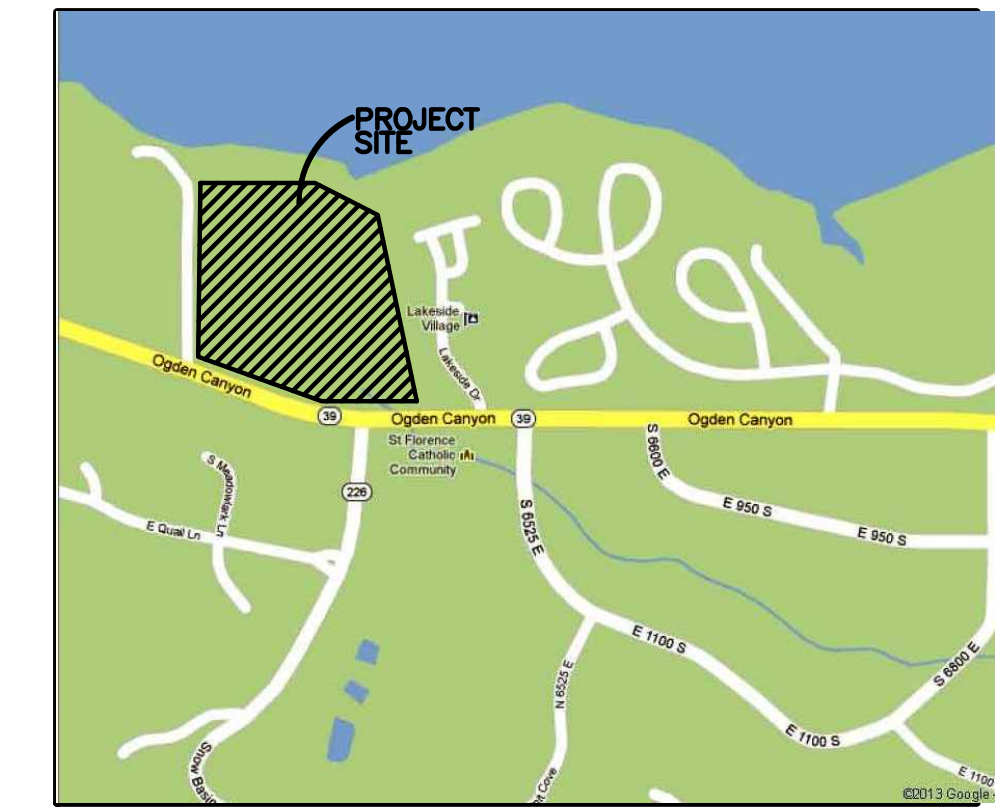
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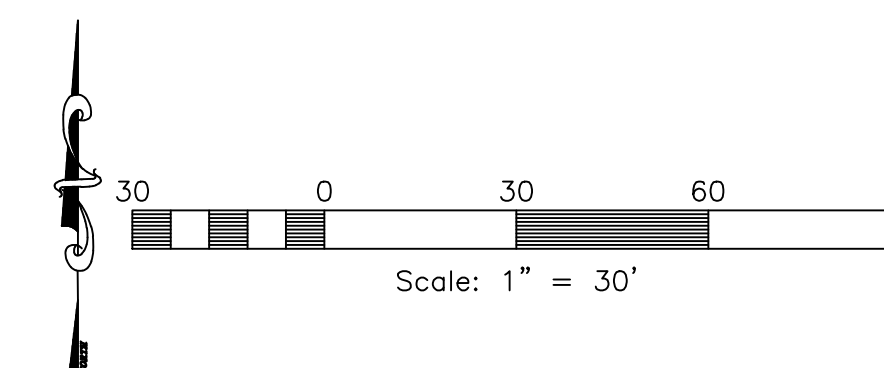
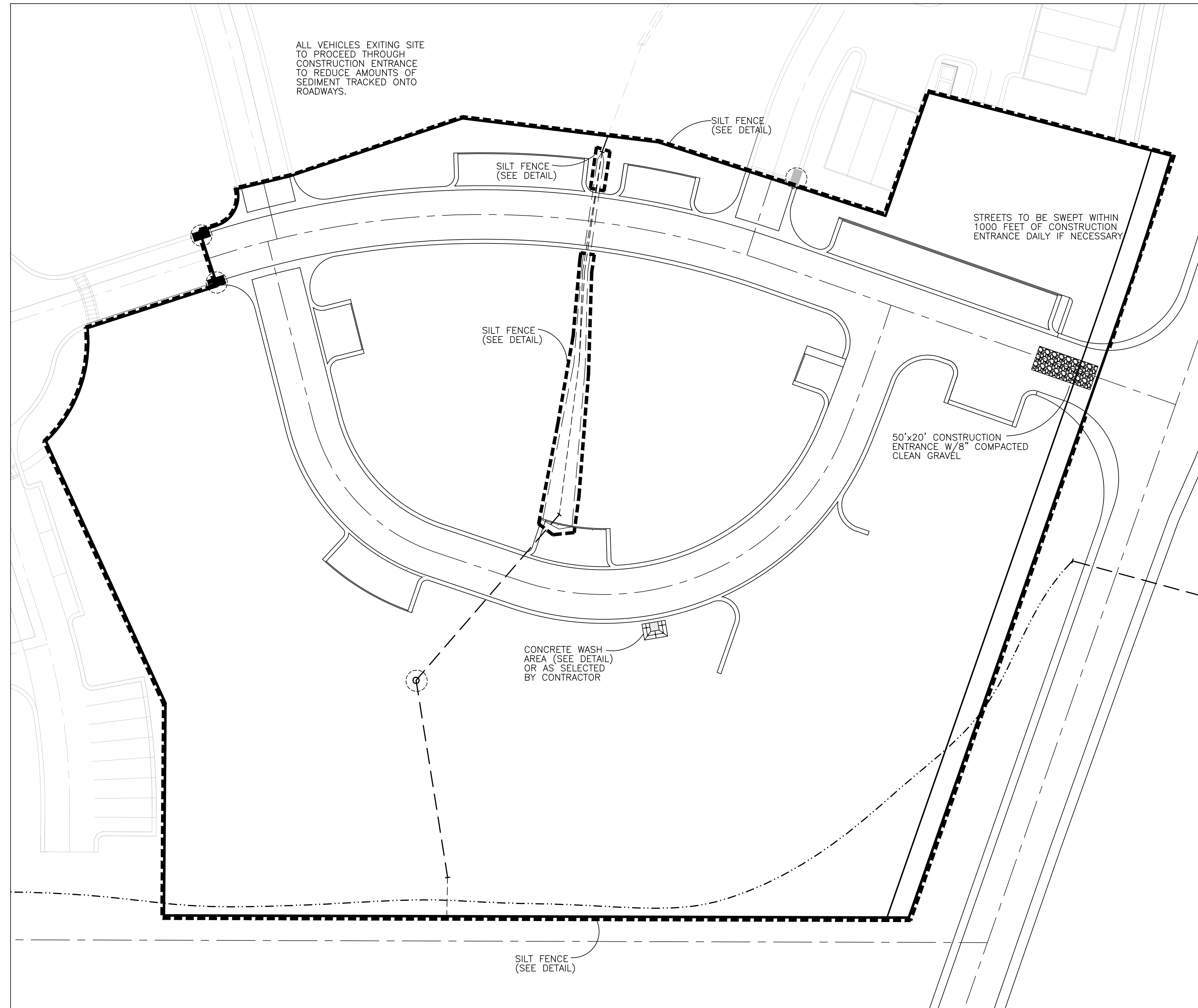
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5	Sheets

EDGEWATER ESTATES Phase-1 Storm Water Pollution Prevention Plan Exhibit

HUNTSVILLE, WEBER COUNTY, UTAH
JUNE, 2013

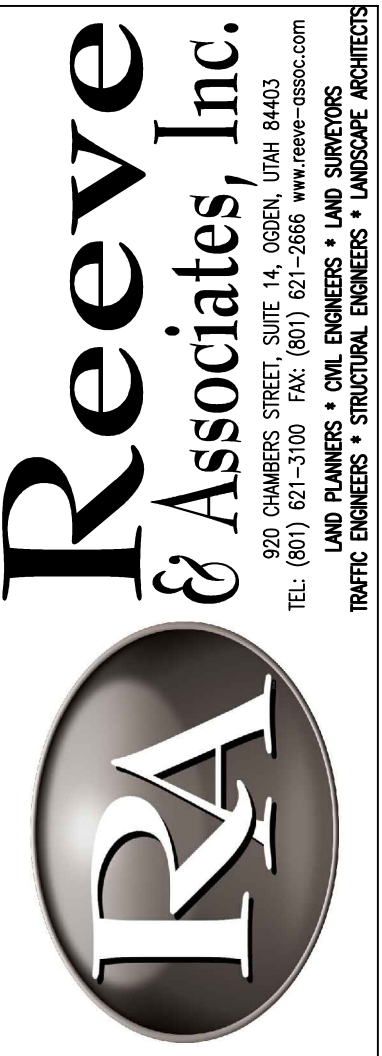


Vicinity Map
NOT TO SCALE



Construction Activity Schedule

- PROJECT LOCATION.....NORTH OGDEN CITY, WEBER COUNTY
- PROJECT BEGINNING DATE.....JANUARY 2013
- BMP'S DEPLOYMENT DATE.....JANUARY 2013
- STORM WATER MANAGEMENT CONTACT / INSPECTOR.....XXXXXX XXXXXX (XXX) XXX-XXXX
- SPECIFIC CONSTRUCTION SCHEDULE INCLUDING BMP CONSTRUCTION SCHEDULE TO BE INCLUDED WITH SWPPP BY OWNER/DEVELOPER



DATE	DESCRIPTION
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**Edgewater Beach Resort
Phase-1
WEBER COUNTY, UTAH**

**STORM WATER POLLUTION
PREVENTION PLAN EXHIBIT**

Revised 07-03-13

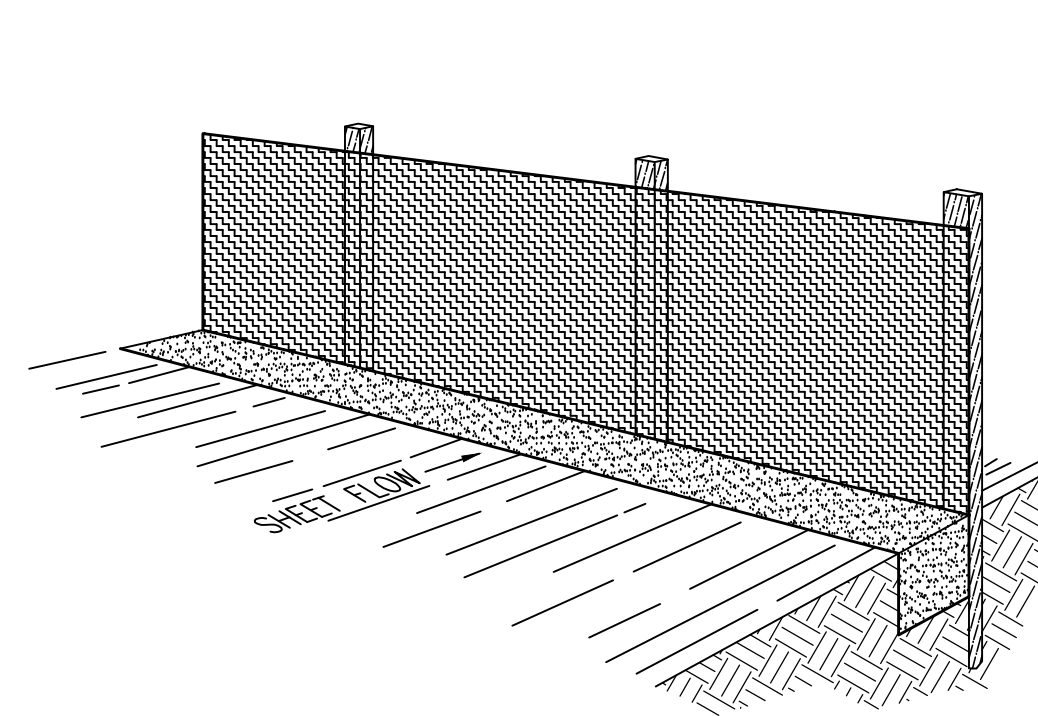


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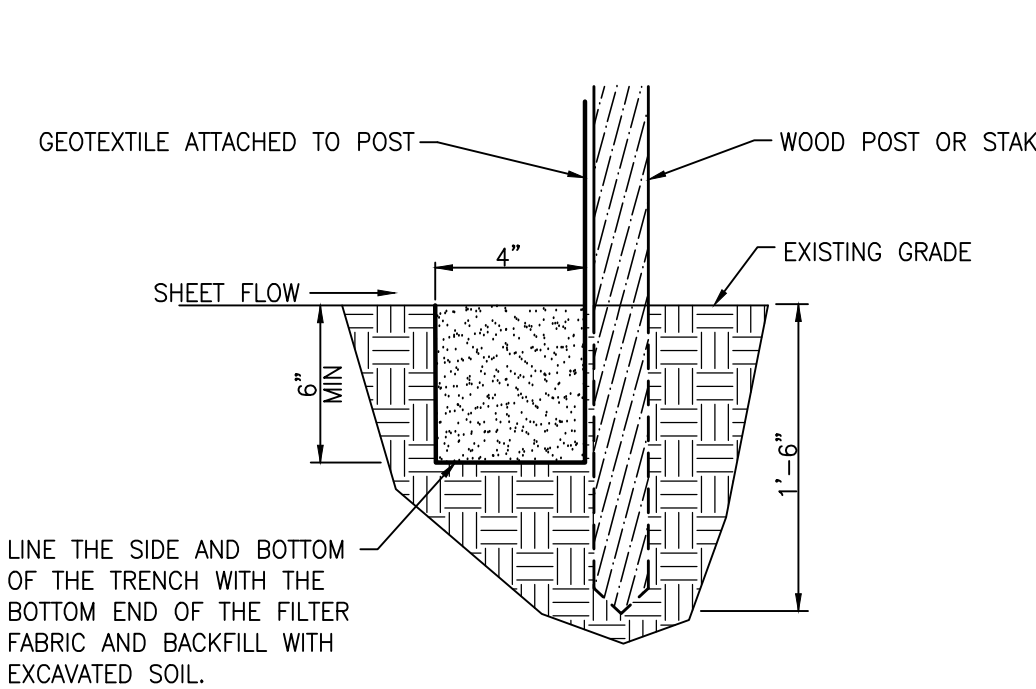
Sheet	7
6	Sheets

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 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 UTR300000 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



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.

TABLE 1: Recommended Maximum Slope Lengths for Silt Fence (Richardson & Middlebrooks, 1991)	
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 cleanup.

REMOVAL

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

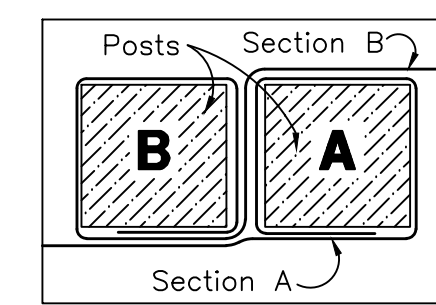
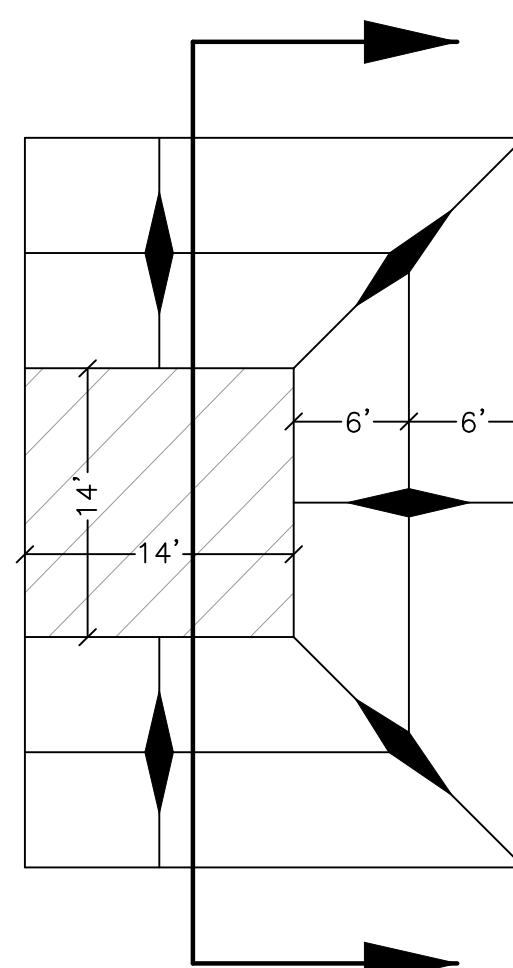


Figure 1:
Top View of
Roll-to-Roll Connection

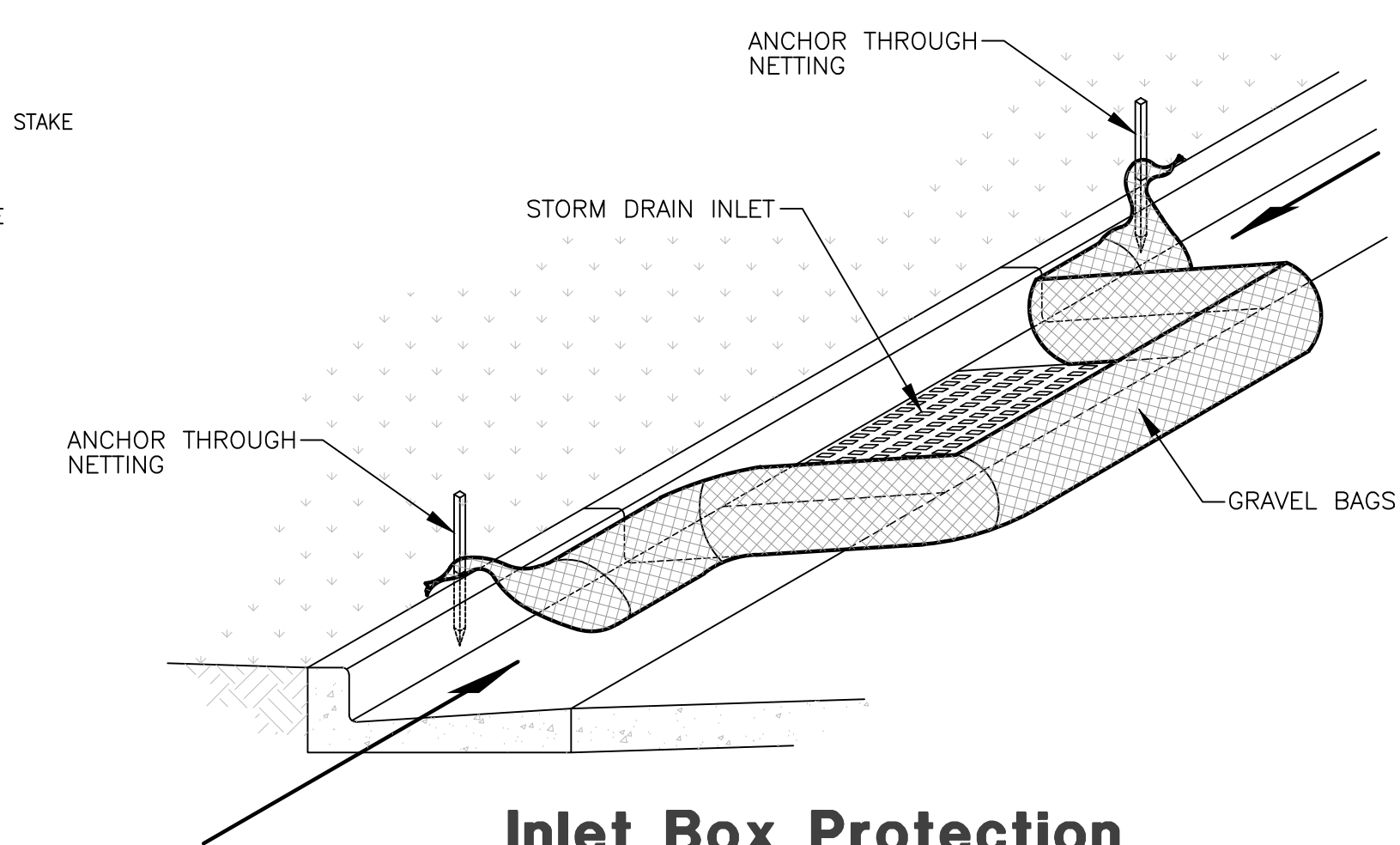
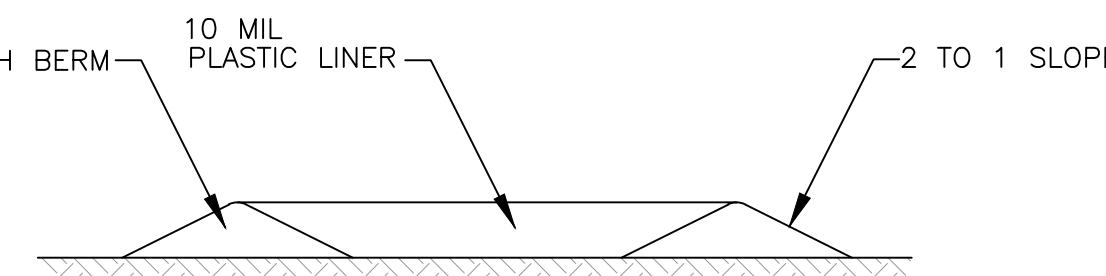
Silt Fence Detail

SCALE: NONE

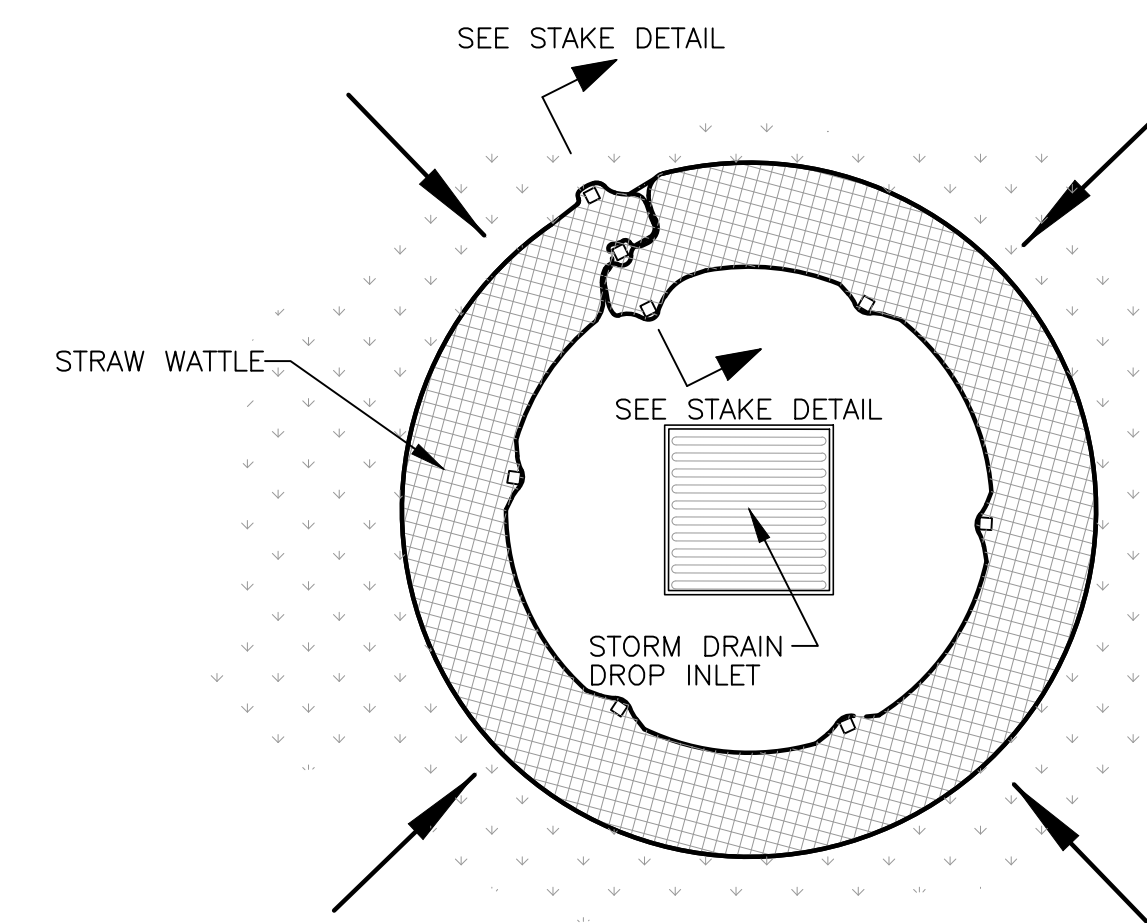


Concrete Washout Area w/ 10 mil Plastic Liner

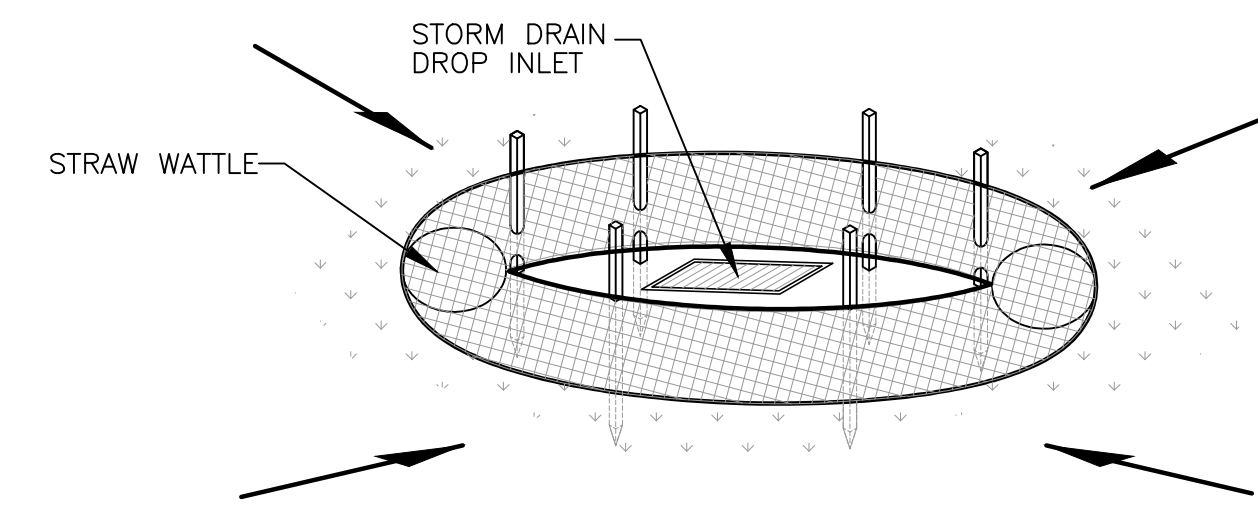
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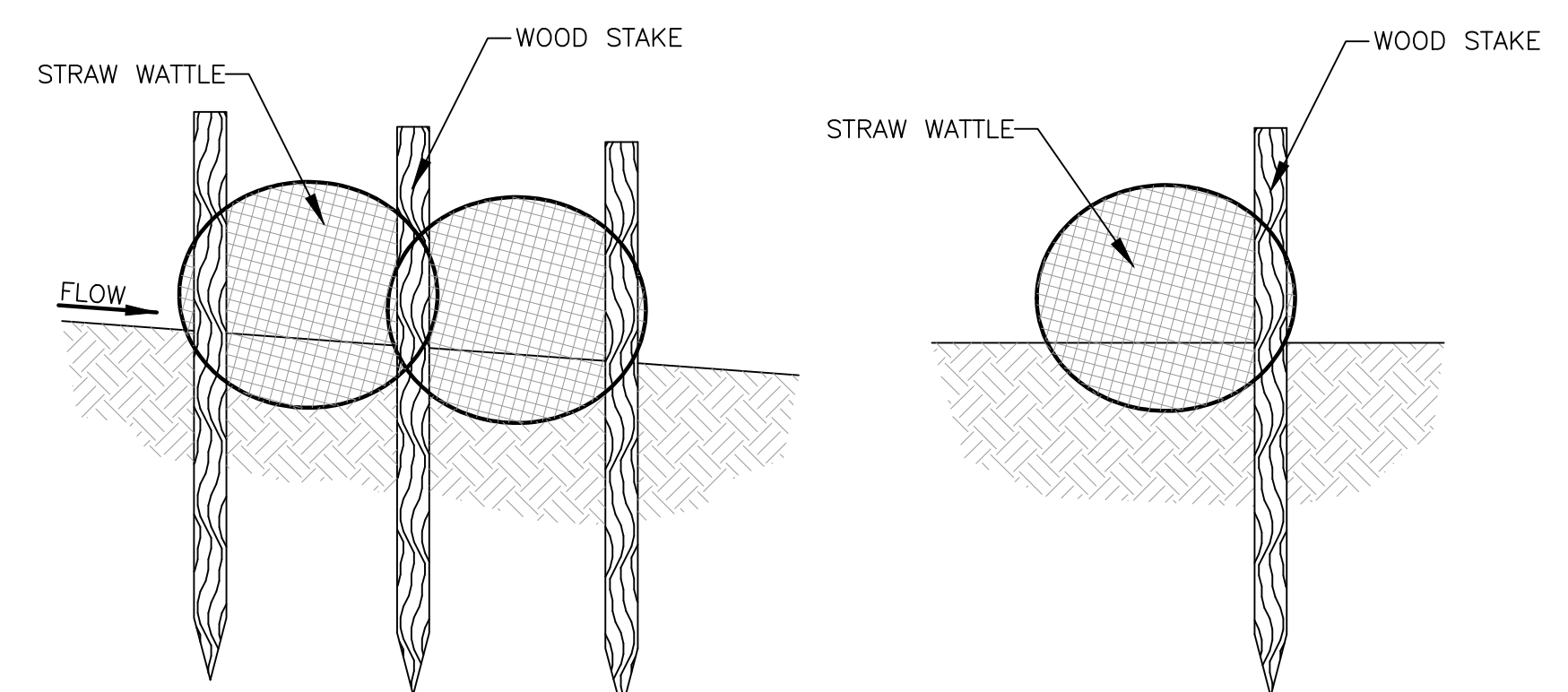
Inlet Box Protection



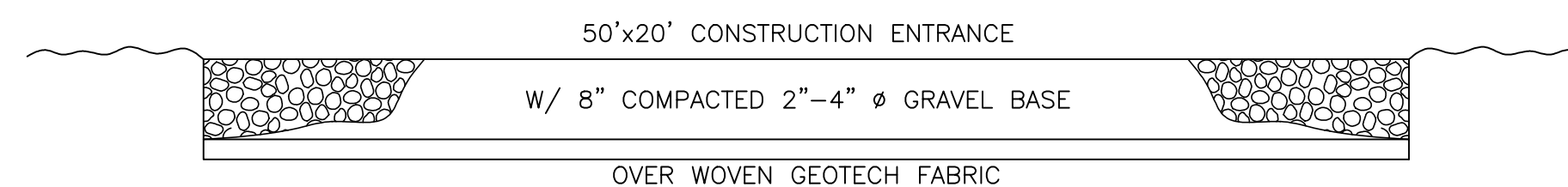
Plan View



Drop Inlet Protection



Stake Detail



Cross Section 50' x 20' Construction Entrance

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 PUBLIC ENGINEERS • STRUCTURAL ENGINEERS • LANDSCAPE ARCHITECTS

REVISIONS	DATE	DESCRIPTION
	7-20-12	RH Utility Changes
	7-31-12	RH Design Complete
	8-14-13	CA Design Complete
	8-21-13	CA Co. Eng. review
	7-3-13	RH Co. Eng. review

Edgewater Beach Resort Phase-1
 WEBER COUNTY, UTAH
STORM WATER POLLUTION PREVENTION PLAN DETAILS

Revised 07-03-13

REGISTERED PROFESSIONAL ENGINEER
 375328
J. NATE REEVE
 STATE OF UTAH

Project Info.

Engineer:	J. NATE REEVE, P.E.
Drafter:	R. HANSEN
Begin Date:	JULY 09, 2012
Name:	EDGEWATER ESTATES PHASE-1
Number:	5917-15

Sheet	7
7	Sheets