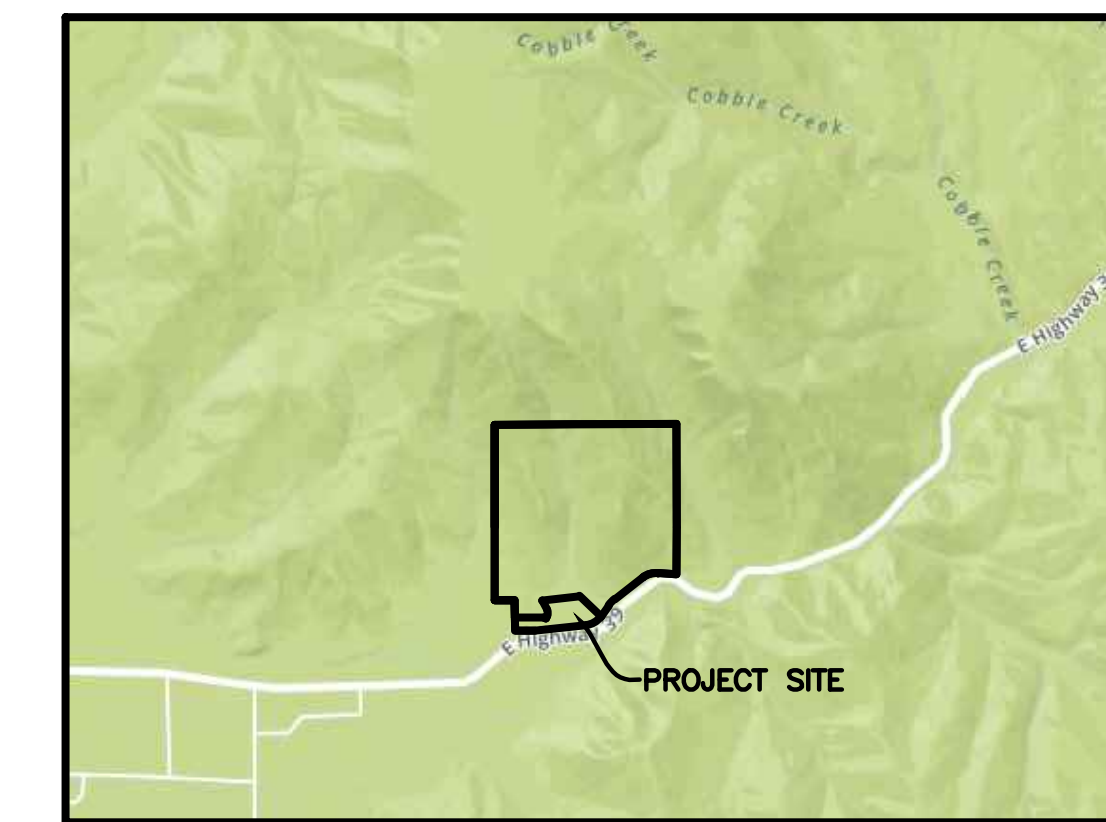


**Project Narrative/Notes/Revisions**

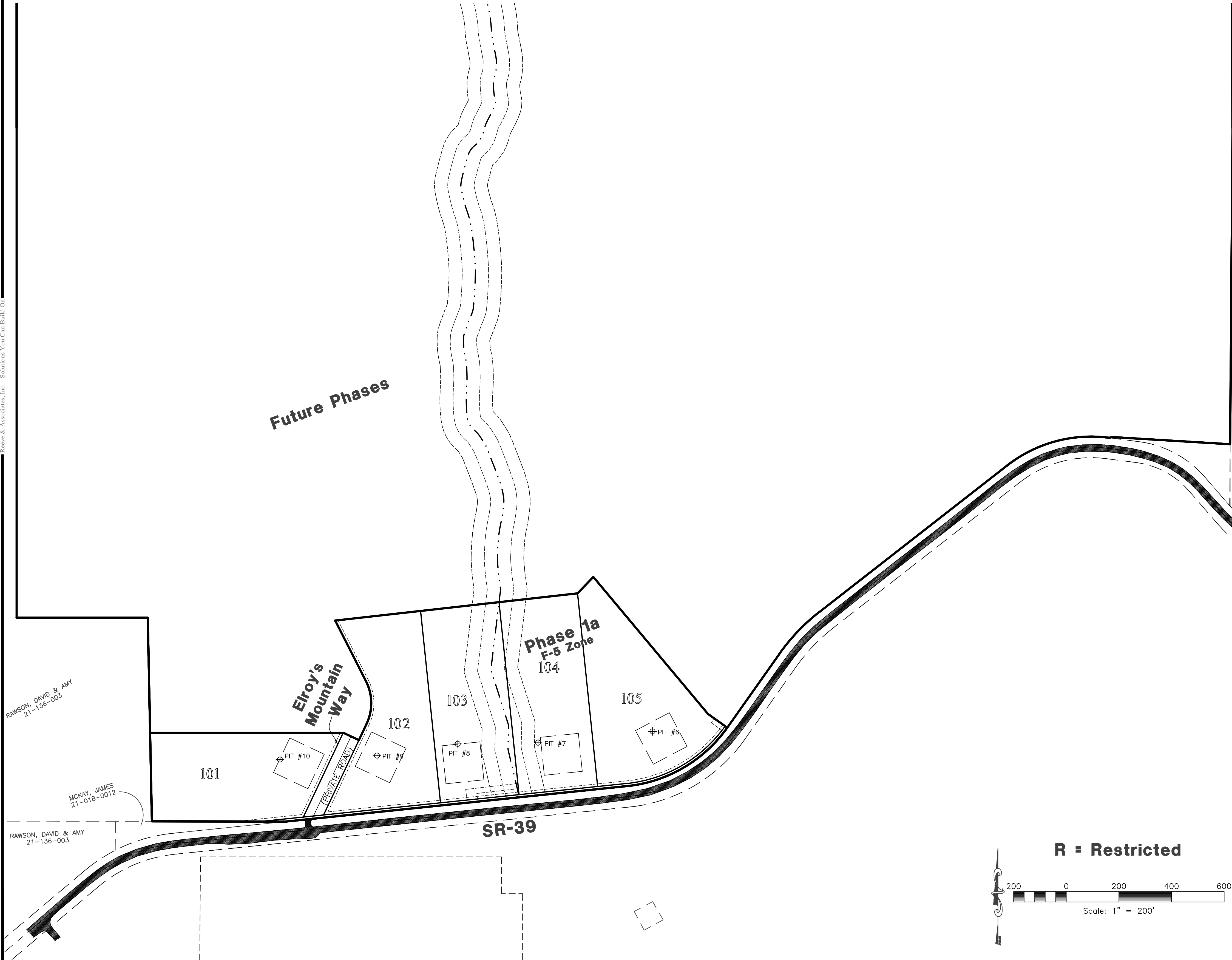
1. 11/04/2021 CK - COMPLETED DESIGN FOR CLIENT & COUNTY REVIEW.
2. 12/02/2021 CK - UPDATED UDOT STREET SECTION.
3. 12/21/2021 KH - DRAINAGE NOTE ADDED TO SHEET 2.
4. 01/14/2022 CK - ADDITIONAL UDOT DEDICATION.
5. 03/16/2022 CK - ADDED HYDRANT AND WATERLINE EXTENSION PER FIRE MARSHALL DAVE REED.
6. 04/18/2023 CK - UPDATED PHASING.
7. 06/12/2023 CK - UPDATED PHASING.

# Gateway Estates Subdivision Phase 1 Improvement Plans

WEBER COUNTY, UTAH  
OCTOBER 2021



**Vicinity Map**  
SCALE: NONE



**Sheet Index**

- Sheet 1 - Cover/Index Sheet
- Sheet 2 - Notes/Legend/Street Cross-Section
- Sheet 3 - Elroy's Mountain Way - 0+00.00 - 3+75.00
- Sheet 4 - Grading, Drainage, & Utility Plan
- Sheet 5 - Drive Approach Details & Grading Lot 105
- Sheet 6 - Drive Approach Details & Grading Lots 103 & 104
- Sheet 7 - Drive Approach Details & Grading Elroy's Mountain Way
- Sheet 8 - Storm Water Pollution Prevention Plan Exhibit
- Sheet 9 - Storm Water Pollution Prevention Plan Details

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 5160 SOUTH 1500 WEST, RIVERDALE, UTAH 84405  
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 TRAFFIC ENGINEERS • STRUCTURAL ENGINEERS • LANDSCAPE ARCHITECTS

DATE	DESCRIPTION
12-02-21	CK UDOT Section
01-14-22	CK UDOT Dedication
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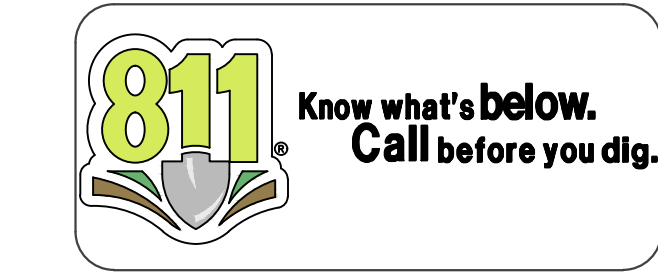
Gateway Estates Subdivision  
 Phase 1  
 WEBER COUNTY, UTAH  
 Cover/Index Sheet



**Project Info.**  
 Engineer: KENNETH H. HUNTER, P.E.  
 Drafter: C. KINGSLEY  
 Begin Date: OCTOBER 2021  
 Name: GATEWAY ESTATES SUBDIVISION PHASE 1  
 Number: 4825-26

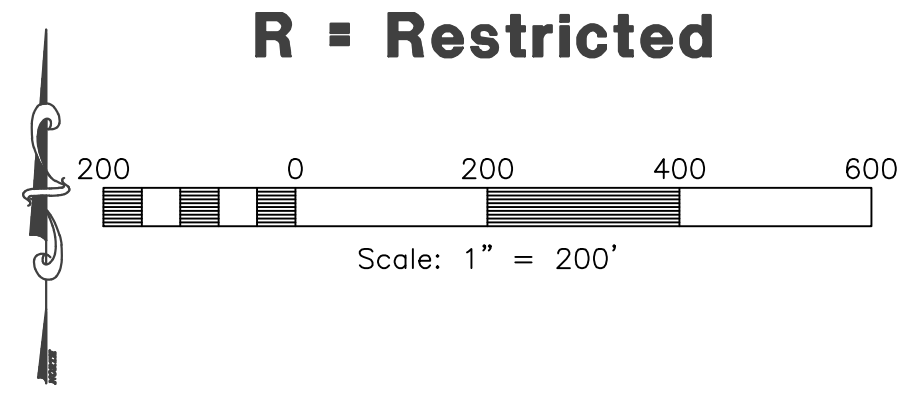
**Engineer's Notice To Contractors**  
 THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED FROM AVAILABLE INFORMATION PROVIDED BY OTHERS. THE LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR, SO THAT ANY NECESSARY 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:**  
 Trevor Hatch  
 Reeve & Associates, Inc.  
 5160 South 1500 West  
 Riverdale, Utah, 84405  
 PH: (801) 621-3100



**Developer Contact:**  
 Matt Lowe  
 6028 South Ridgeline Dr.,  
 Ste. 200  
 Ogden, Utah, 84405  
 PH: (801) 648-8229

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





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...

Utility Notes:

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

Notice to Contractor:

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON RECORDS OF THE VARIOUS UTILITY COMPANIES AND/OR MUNICIPALITIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD...

THE CONTRACTOR 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 (NSPS) MODEL STANDARDS FOR ANY SURVEYING OR CONSTRUCTION LAYOUT TO BE COMPLETED USING REEVE & ASSOCIATES, INC. SURVEY DATA...

Erosion Control General Notes:

THE CONTRACTOR TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL DURING CONSTRUCTION OF THIS PROJECT. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO GOVERNING AGENCIES ORDINANCES...

CONTRACTOR SHALL KEEP THE SITE WATERED TO CONTROL DUST. CONTRACTOR TO LOCATE A NEARBY HYDRANT FOR USE AND TO INSTALL TEMPORARY METER.

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...

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...

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.

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: 1) SPRAYING DISTURBED AREAS WITH A TACKIFIER VIA HYDROSEED...

- Legend: SW LAT = PROPOSED SECONDARY WATER LATERAL, LD LAT = PROPOSED LAND DRAIN LATERAL, W LAT = PROPOSED WATER LATERAL, SS LAT = PROPOSED SEWER LATERAL, W/B = PROPOSED CULINARY WATER LINE, EX.W = EXISTING CULINARY WATER LINE, SW/B = PROPOSED SECONDARY WATER LINE, EX.SW = EXISTING SECONDARY WATER LINE, SS/B = PROPOSED SANITARY SEWER LINE, EX.SS = EXISTING SANITARY SEWER LINE, SD/15 = PROPOSED STORM DRAIN LINE, EX.SD = EXISTING STORM DRAIN LINE, LD/B = PROPOSED LAND DRAIN LINE, EX.LD = EXISTING LAND DRAIN LINE, IRR/18 = PROPOSED IRRIGATION LINE, EX.IRR = EXISTING IRRIGATION LINE, FENCE LINE, DRAINAGE SWALE, OHP = OVERHEAD POWER LINE, PROPOSED FIRE HYDRANT, EXISTING FIRE HYDRANT, PROPOSED MANHOLE, EXISTING MANHOLE, PROPOSED SEWER CLEAN-OUT, PROPOSED GATE VALVE, EXISTING GATE VALVE, PLUG & BLOCK

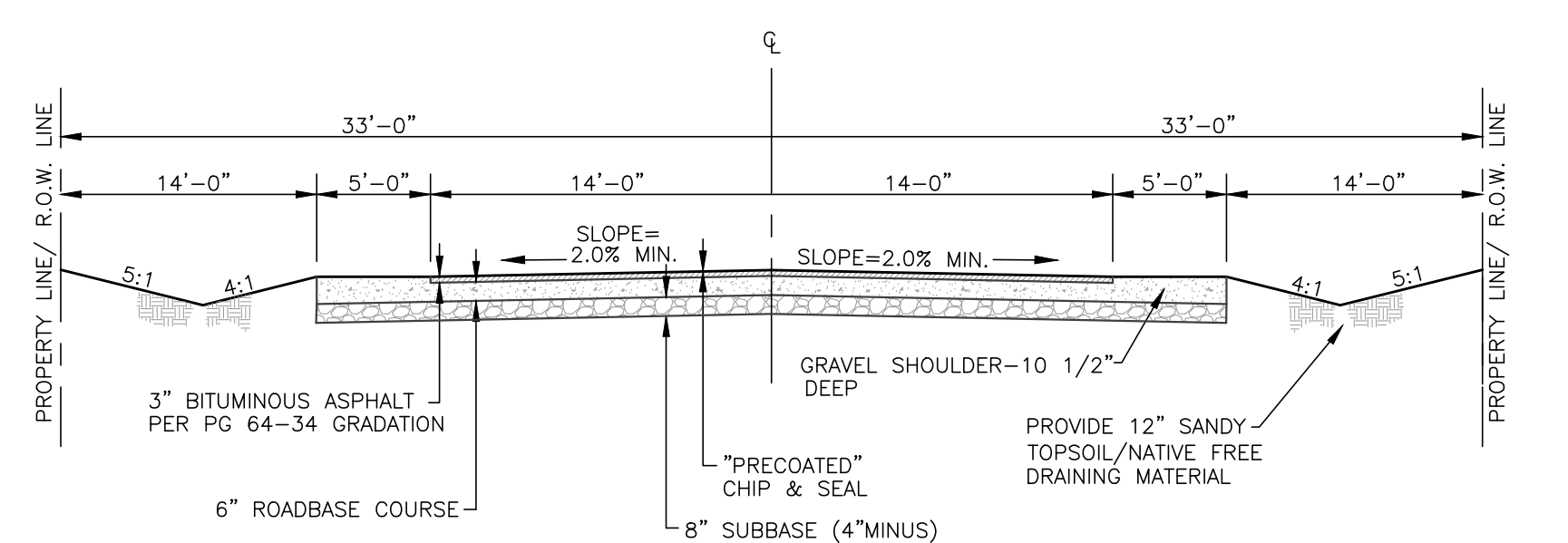
Legend:

- Legend: AIR VAC ASSEMBLY, DUAL SECONDARY METER, PROPOSED WATER METER, EXISTING WATER METER, PROPOSED CATCH BASIN, EXISTING CATCH BASIN, PLUG W/ 2" BLOW-OFF, STREET LIGHT, SIGN, POWER POLE, BASEMENT FLOOR ELEVATION, BUILDING, BOTTOM OF STAIRS, BOTTOM OF WALL, BEGINNING POINT, CURB & GUTTER, CATCH BASIN, CUBIC FEET, CUBIC FEET PER SECOND, 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, 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

Reeve & Associates, Inc. logo and address information: 5160 SOUTH 1500 WEST, RIVERDALE, UTAH 84005

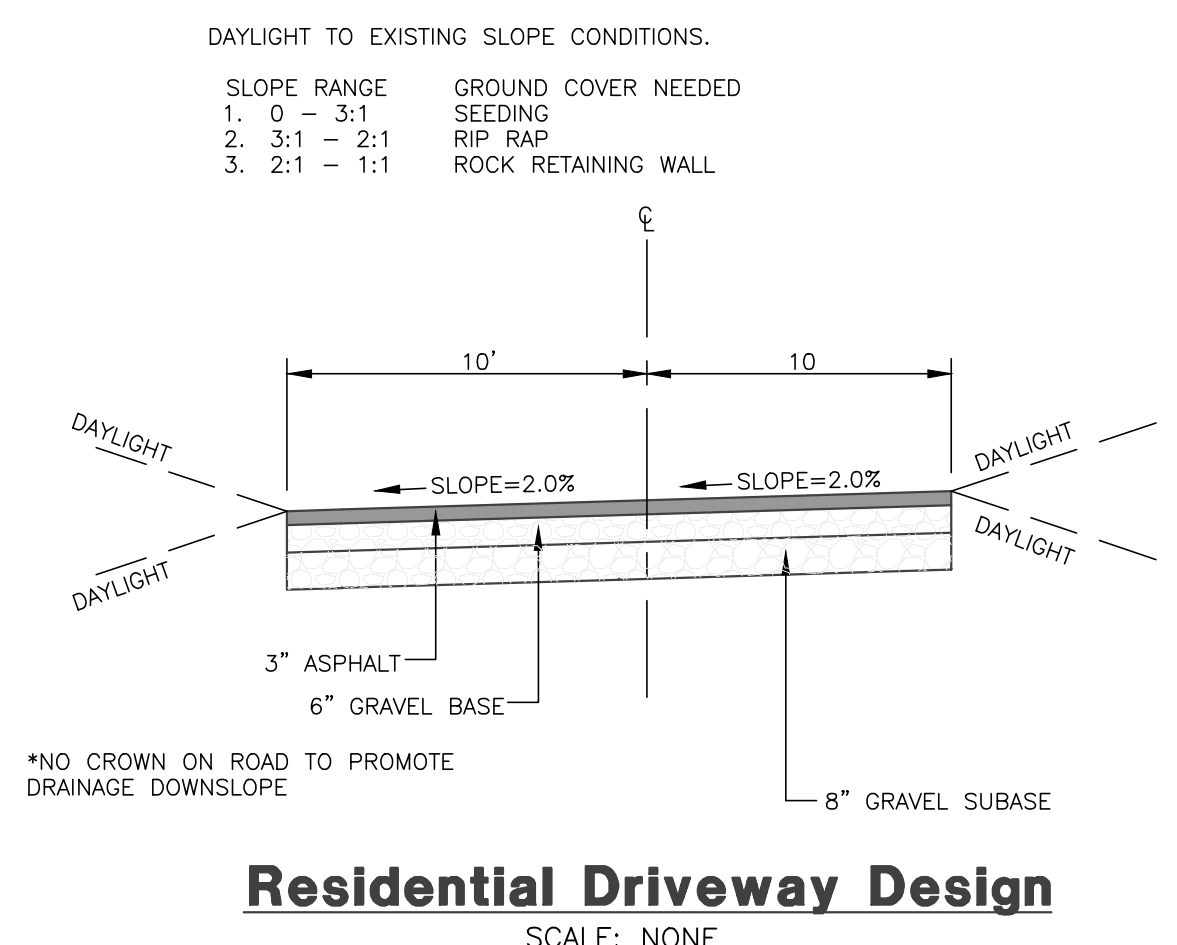
Table with columns: DATE, DESCRIPTION, DATE, DESCRIPTION. Rows include: 12-02-21 CK UDOT Section, 01-14-22 CK UDOT Dedication, 03-16-22 CK Waterline Extension, 04-18-23 CK Phasing Update, 06-12-23 CK Phasing Update.

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

SCALE: NONE



Residential Driveway Design

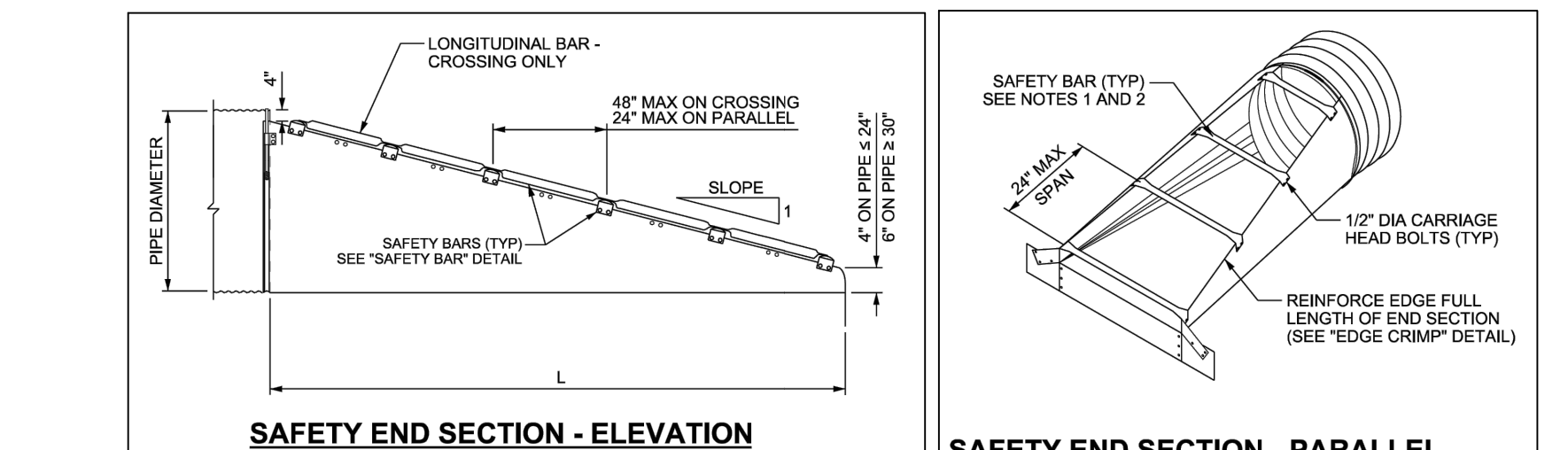
SCALE: NONE

- UDOT NOTES: REPAIR OR REPLACE ANY DAMAGED CURBS, GUTTER &/OR DRIVEWAY. CURB & GUTTER TO BE TYPE B1 CURB, DRIVEWAY TO BE CONSTRUCTED AS GW3A (2017 UDOT DRAWING). ALL TRENCHES TO BE REPAIRED AS A T-PATCH W/ ASPHALT THE GREATER OF 7" OR TO MATCH EXISTING IN LIFTS NO GREATER THAN 3". 10' ON EACH SIDE OF TRENCH TO BE MILLED 2" DEEP AND REPAVED AS A SINGLE PATCH.

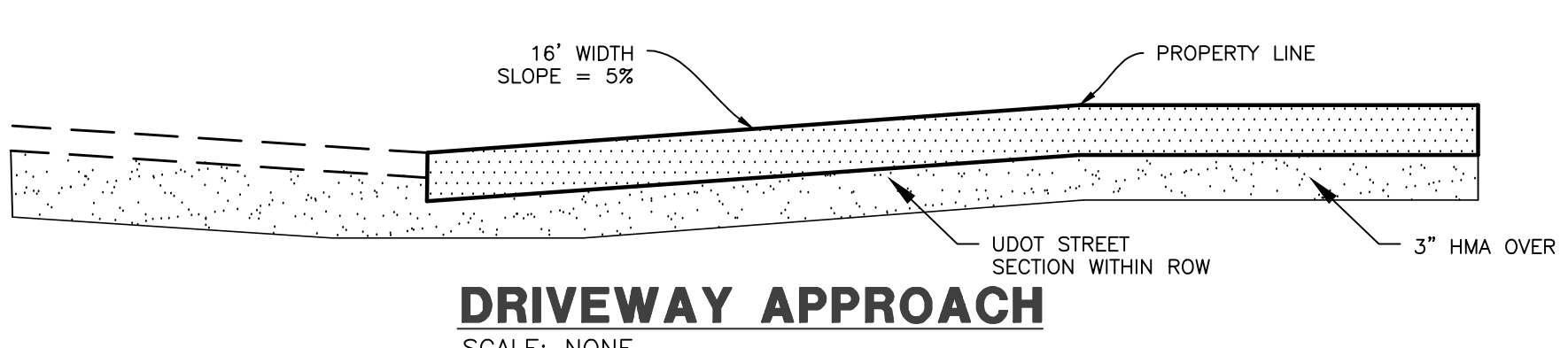


UDOT Asphalt Patch Detail

SCALE: NONE



SAFETY END SECTION DETAILS FROM UDOT STD. DWG. NO. DG 6



DRIVEWAY APPROACH

SCALE: NONE

UDOT Notes:

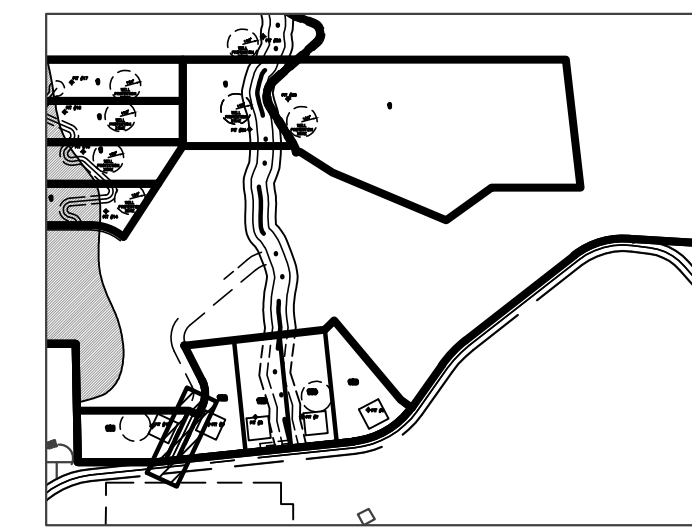
- 1. ALL CONSTRUCTION WITHIN THE UDOT RIGHT-OF-WAY SHALL CONFORM TO THE MOST CURRENT UDOT STANDARD (INCLUDING SUPPLEMENTAL) DRAWINGS AND SPECIFICATIONS. 2. THE CONTRACTOR IS TO OBTAIN AN ENCROACHMENT PERMIT FROM THE APPLICABLE UDOT REGION PERMIT OFFICE PRIOR TO COMMENCING WORK WITHIN UDOT RIGHT-OF-WAY...

Gateway Estates Subdivision Phase 1 Notes/Legend/ Street Cross-Section. Includes address: WEBER COUNTY, UTAH and a professional engineer seal for Kenneth H. Hunter.

Project Info: Engineer: KENNETH H. HUNTER, P.E. Drafter: C. KINGSLEY. Begin Date: OCTOBER 2021. Name: GATEWAY ESTATES SUBDIVISION PHASE 1. Number: 4825-26. Total Sheets: 9/2.

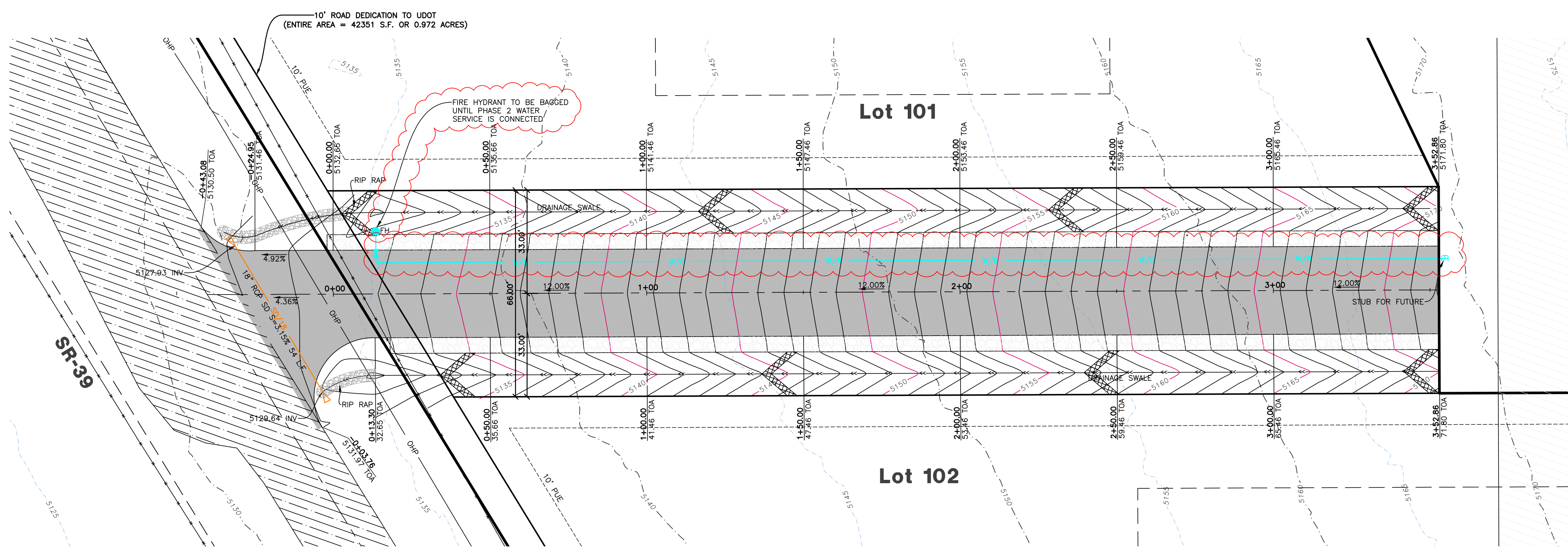


**Key Map**  
NOT TO SCALE

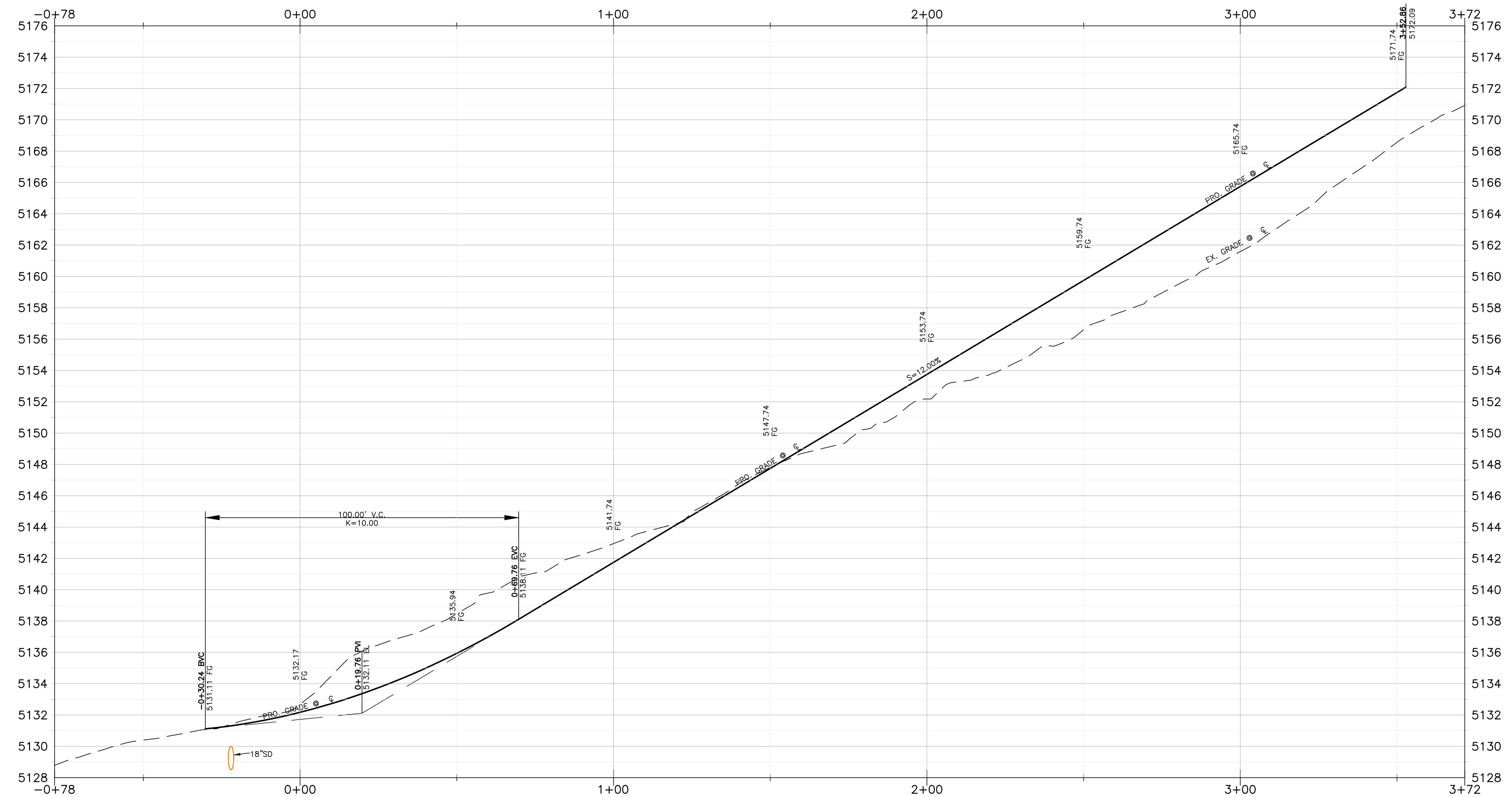


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TRAFFIC ENGINEERS • STRUCTURAL ENGINEERS • LANDSCAPE ARCHITECTS

REVISIONS	DATE	DESCRIPTION
12-02-21	CK	UDOT Section
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06-12-23	CK	Phasing Update



Future Phases



**Elroy's Mountain Way**  
0+00.00 - 3+75.00  
(Private Road)

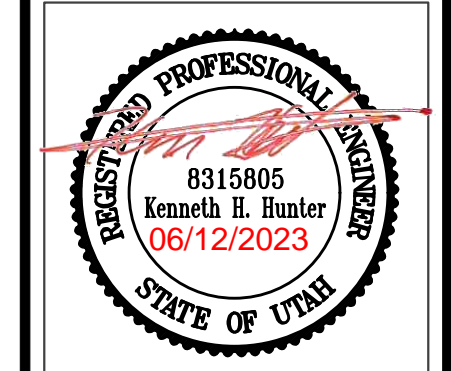
Horizontal Scale: 1" = 20'  
Vertical Scale: 1" = 2'

**NOTES**

1. CONTOURS ARE SHOWN IN 5 FOOT INTERVALS
2. LOTS WILL HAVE WELLS WITH A 100' RADIUS PROTECTION ZONE
3. LOTS WILL HAVE SEPTIC TANKS
4. EACH INDIVIDUAL RESIDENTIAL HOME TO HAVE A FIRE SPRINKLER SYSTEM INSTALLED.
5. LOTS 102-105 WILL SHARE A COMMON WELL THAT WILL BE LOCATED ON LOT 104.

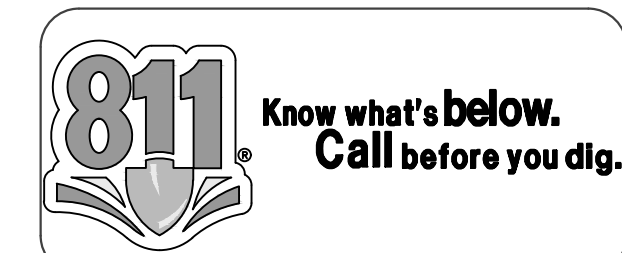
**Gateway Estates Subdivision**  
Phase 1  
WEBER COUNTY, UTAH

**Elroy's Mountain Way**  
0+00.00 - 3+75.00

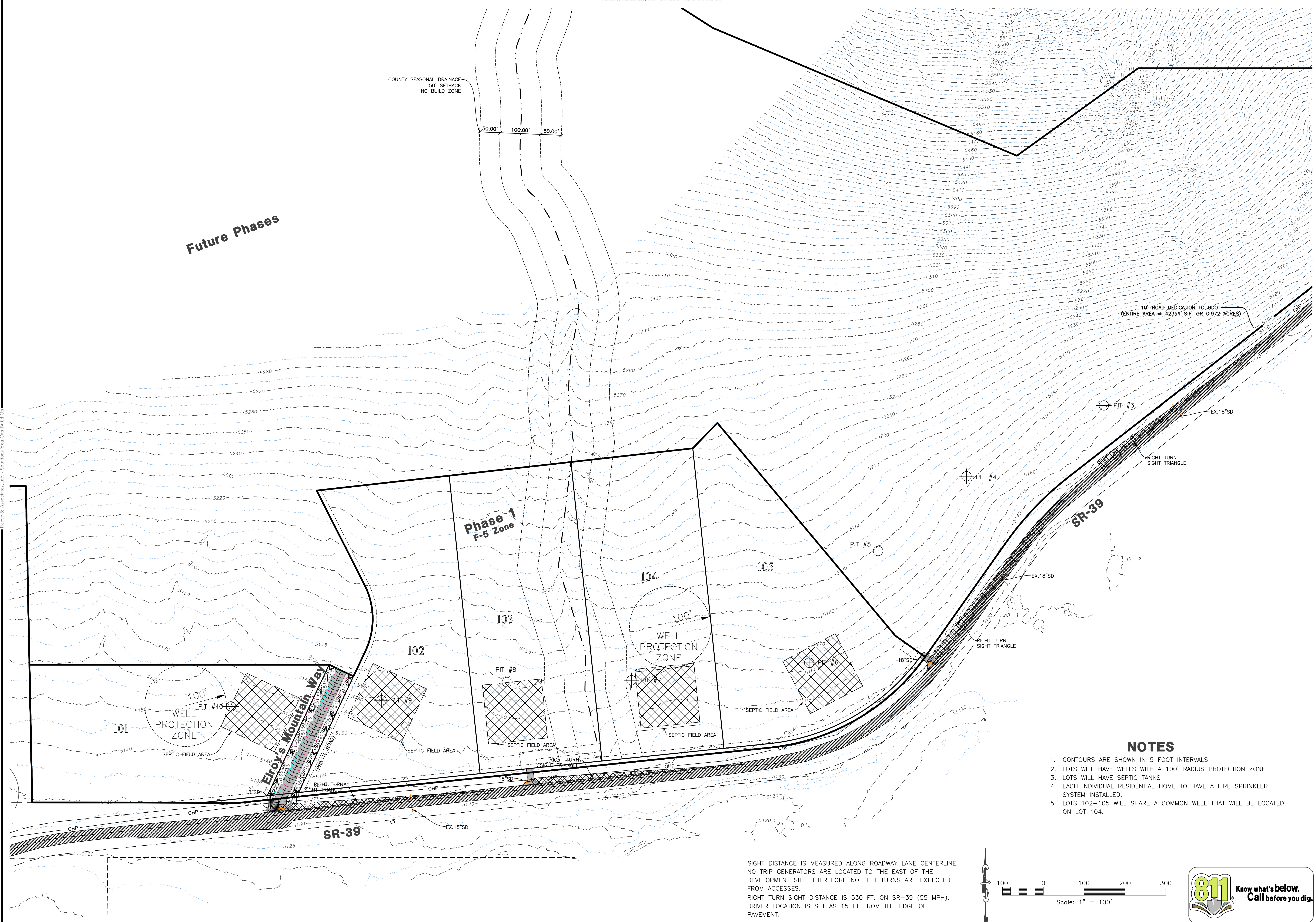


**Project Info.**

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 Drafter: C. KINGSLEY  
 Begin Date: OCTOBER 2021  
 Name: GATEWAY ESTATES SUBDIVISION PHASE 1  
 Number: 4825-26







Future Phases

COUNTY SEASONAL DRAINAGE  
50' SETBACK  
NO BUILD ZONE

50.00' 100.00' 50.00'

Phase 1  
F-5 Zone

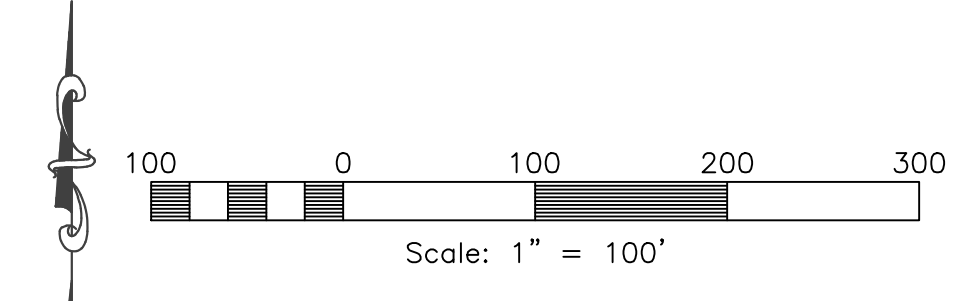
100'  
WELL PROTECTION ZONE

10' ROAD DEDICATION TO UDOT  
(ENTIRE AREA = 42351 S.F. OR 0.972 ACRES)

**NOTES**

1. CONTOURS ARE SHOWN IN 5 FOOT INTERVALS
2. LOTS WILL HAVE WELLS WITH A 100' RADIUS PROTECTION ZONE
3. LOTS WILL HAVE SEPTIC TANKS
4. EACH INDIVIDUAL RESIDENTIAL HOME TO HAVE A FIRE SPRINKLER SYSTEM INSTALLED.
5. LOTS 102-105 WILL SHARE A COMMON WELL THAT WILL BE LOCATED ON LOT 104.

SIGHT DISTANCE IS MEASURED ALONG ROADWAY LANE CENTERLINE. NO TRIP GENERATORS ARE LOCATED TO THE EAST OF THE DEVELOPMENT SITE, THEREFORE NO LEFT TURNS ARE EXPECTED FROM ACCESSES.  
RIGHT TURN SIGHT DISTANCE IS 530 FT. ON SR-39 (55 MPH). DRIVER LOCATION IS SET AS 15 FT FROM THE EDGE OF PAVEMENT.



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**Gateway Estates Subdivision**  
**Phase 1**  
 WEBER COUNTY, UTAH

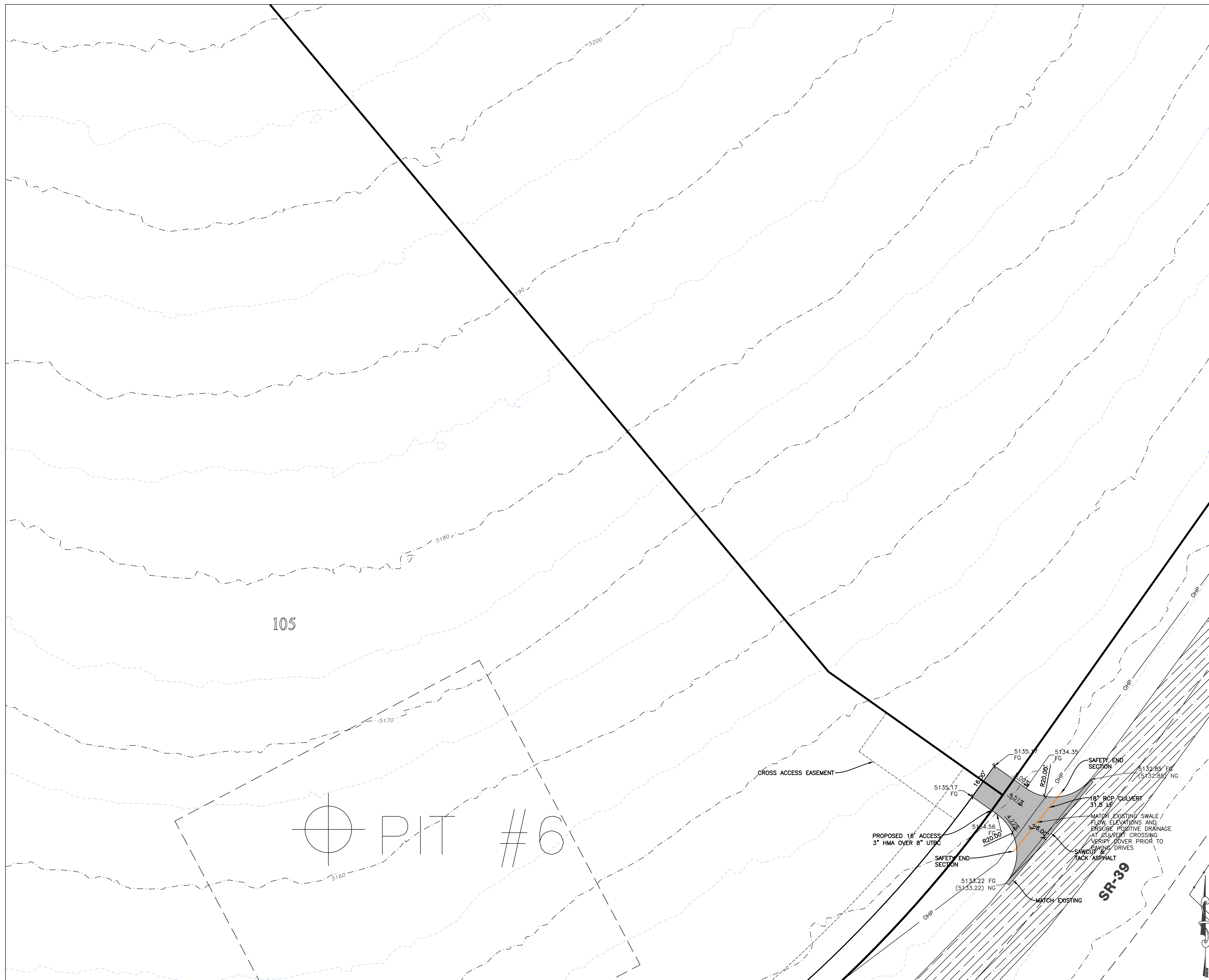
**Grading, Drainage, & Utility Plan**



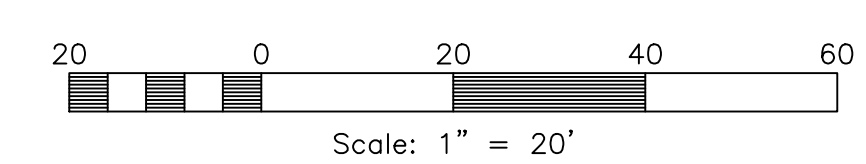
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**LOTS 6 & 5 SHARED ACCESS**



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DATE	DESCRIPTION
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06-12-23	CK Phasing Update

**Gateway Estates Subdivision  
 Phase 1  
 WEBER COUNTY, UTAH  
 Drive Approach Details & Grading  
 Lot 105**

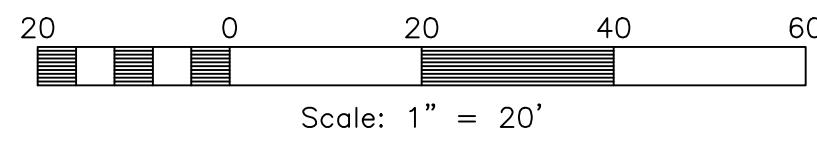


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Engineer:	KENNETH H. HUNTER, P.E.
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Name:	GATEWAY ESTATES SUBDIVISION PHASE 1
Number:	4825-26



**LOTS 8 & 7 SHARED ACCESS**



50' SEASONAL DRAINAGE  
NO BUILD ZONE

PIT #8

PIT #7

104

103

CROSS ACCESS EASEMENT

PROPOSED 16' ACCESS  
3" HMA OVER 8" UTBC

SAFETY END SECTION  
5141.98 FG  
(5141.98) NG

SAFETY END SECTION  
5141.98 FG  
(5141.98) NG

18" RCP CULVERT  
31.5' LF

SAWCUT &  
TACK ASPHALT

MATCH EXISTING SWALE FLOW  
ELEVATIONS AND ENSURE POSITIVE  
DRAINAGE AT CULVERT CROSSING  
VERIFY COVER PRIOR TO PAVING DRIVES

SR-39

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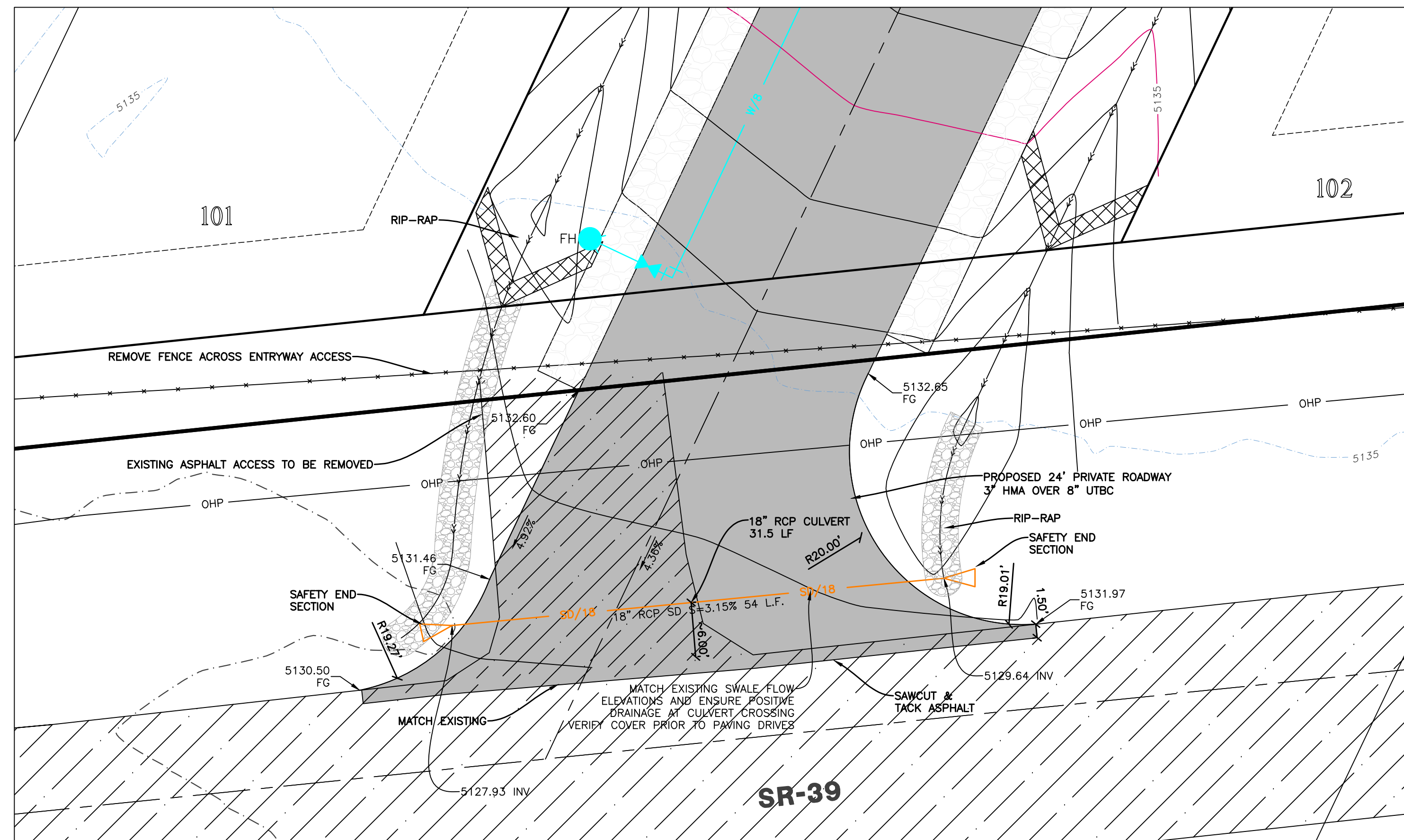
**Gateway Estates Subdivision  
Phase 1**  
WEBER COUNTY, UTAH

**Drive Approach Details & Grading  
Lots 103 & 104**

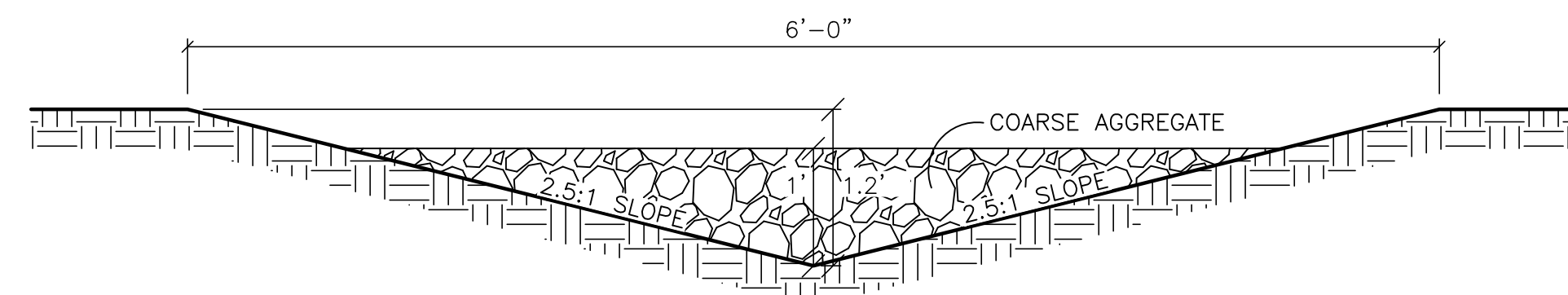
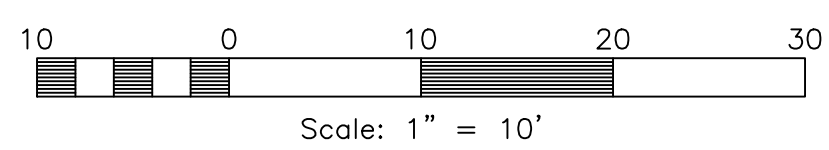


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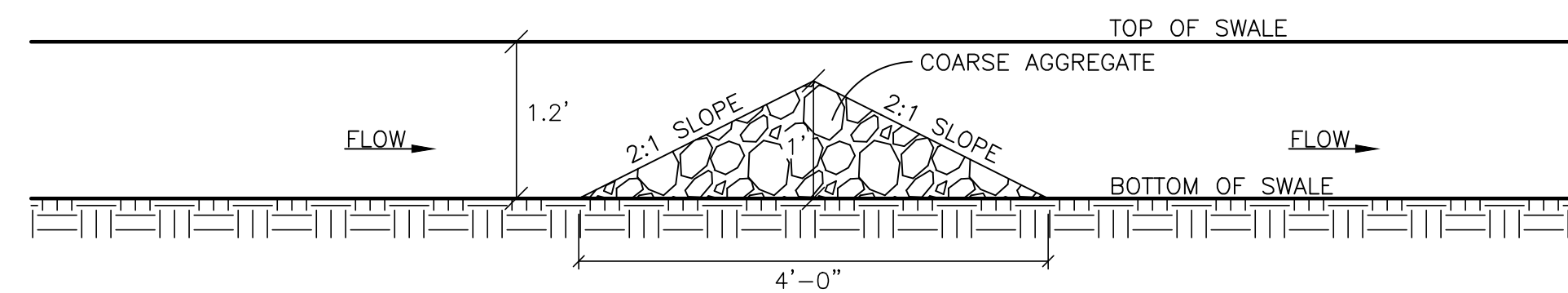


**Eroy's Mountain Way Access**



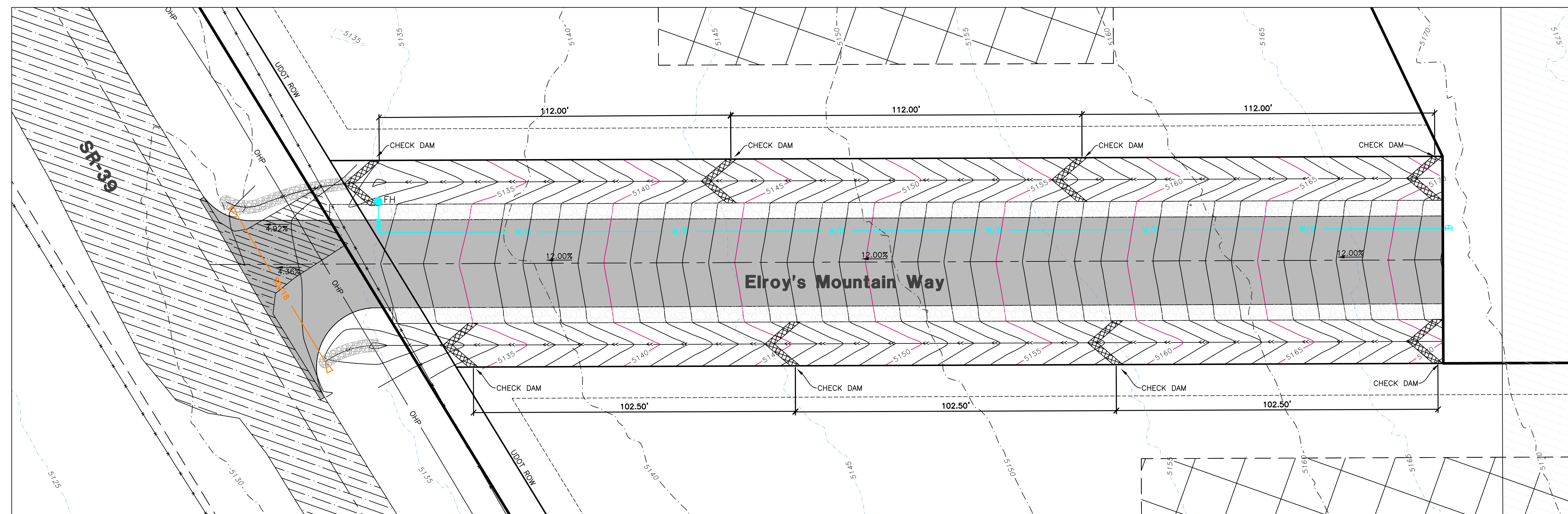
**Swale Detail W/ Rock Check Dam**

SCALE: NONE

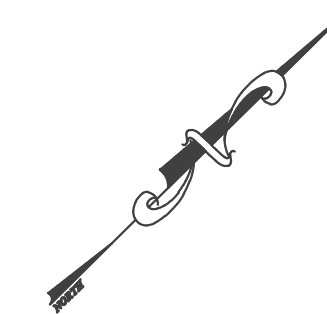
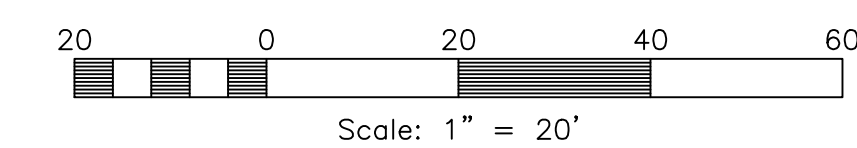


**Swale Detail W/ Rock Check Dam**

SCALE: NONE



**Eroy's Mountain Way Check Dams**



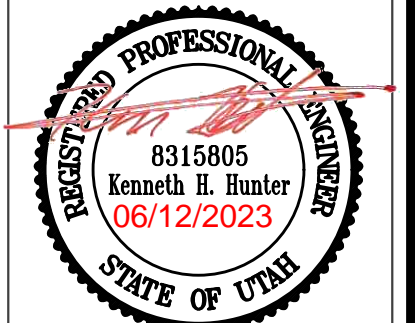
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06-12-23	CK	Phasing Update

**Gateway Estates Subdivision**  
**Phase 1**  
 WEBER COUNTY, UTAH

**Drive Approach Details & Grading - Eroy's Mountain Way**

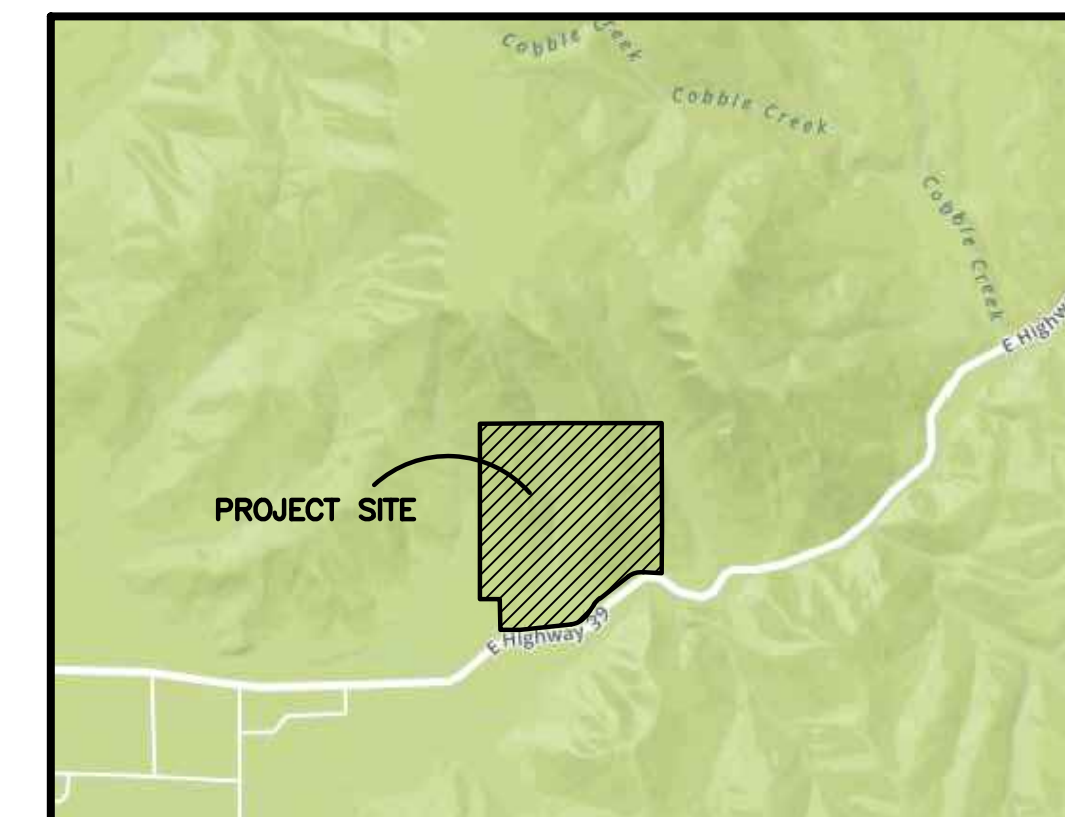
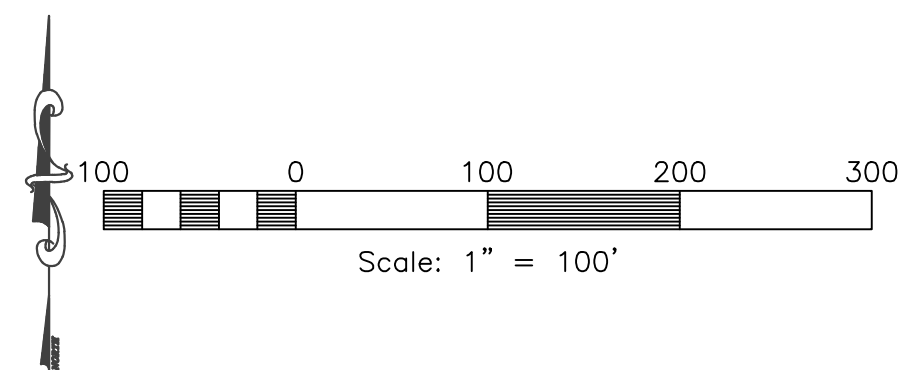


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# Gateway Estates Subdivision Phase 1 Storm Water Pollution Prevention Plan Exhibit

WEBER COUNTY, UTAH  
OCTOBER 2021



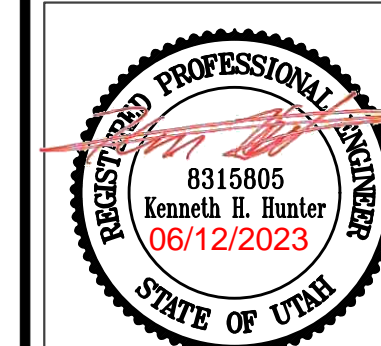
Vicinity Map  
SCALE: NONE



- PORTABLE TOILET
- INLET PROTECTION TYP. (SEE DETAIL)
- SILT FENCE (SEE DETAIL)

REVISIONS	DATE	DESCRIPTION
	12-02-21	CK UDOT Section
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	03-16-22	CK Waterline Extension
	04-18-23	CK Phasing Update
	06-12-23	CK Phasing Update

**Gateway Estates Subdivision  
Phase 1**  
WEBER COUNTY, UTAH  
**Storm Water Pollution  
Prevention Plan Exhibit**



**Project Info.**  
Engineer: KENNETH H. HUNTER, P.E.  
Drafter: C. KINGSLEY  
Begin Date: OCTOBER 2021  
Name: GATEWAY ESTATES SUBDIVISION PHASE 1  
Number: 4825-26

Construction Activity Schedule	
- PROJECT LOCATION.....	WEBER COUNTY, UTAH
- PROJECT BEGINNING DATE.....	OCTOBER 2021
- BMP'S DEPLOYMENT DATE.....	OCTOBER 2021
- STORM WATER MANAGEMENT CONTACT / INSPECTOR.....	MATT LOWE (801) 648-8229
- SPECIFIC CONSTRUCTION SCHEDULE INCLUDING BMP CONSTRUCTION SCHEDULE TO BE INCLUDED WITH SWPPP BY OWNER/DEVELOPER	

STREETS TO BE SWEEP WITHIN 1000 FEET OF CONSTRUCTION ENTRANCE DAILY IF NECESSARY

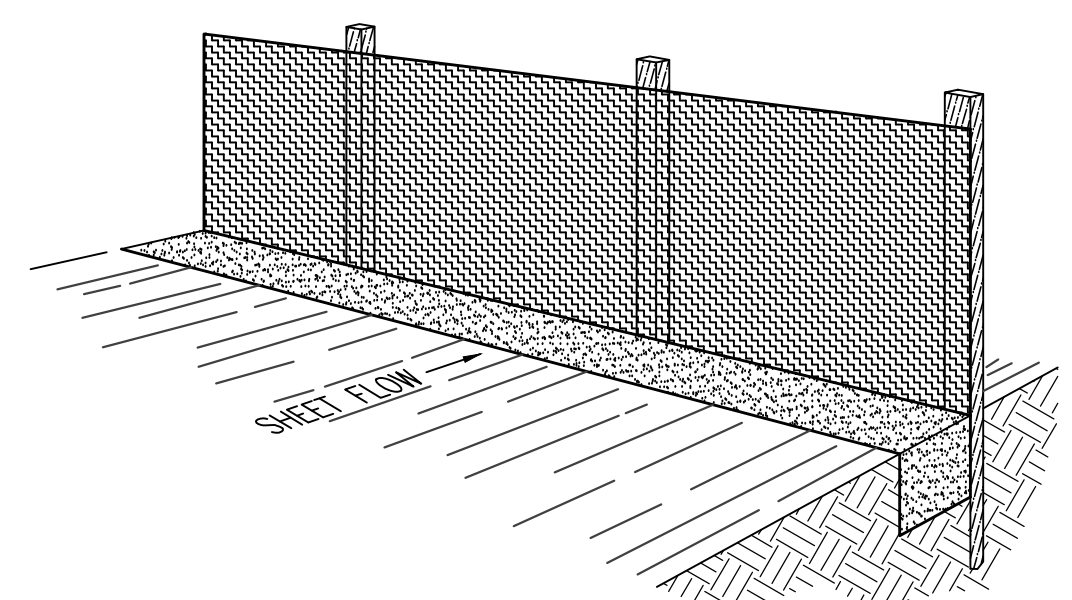
ALL VEHICLES EXITING SITE TO PROCEED THROUGH CONSTRUCTION ENTRANCE TO REDUCE AMOUNTS OF SEDIMENT TRACKED ONTO ROADWAYS.

50'x20' CONSTRUCTION ENTRANCE W/8" CLEAN GRAVEL



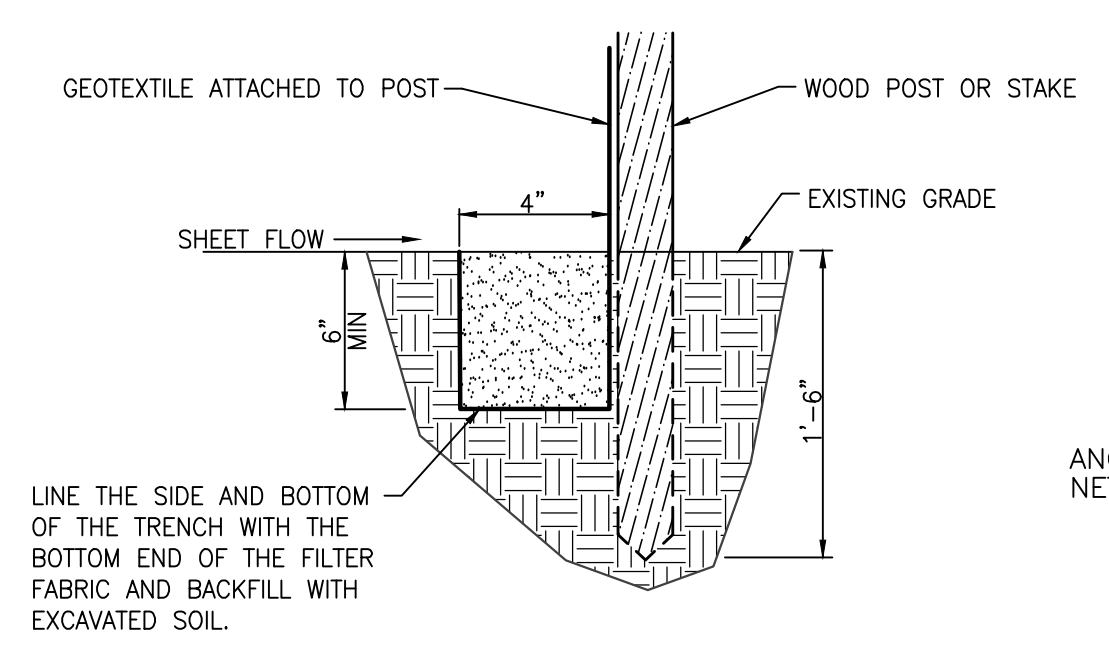
**Notes:**

- 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 trench in the upstream trench and backfill with natural soil, compacting 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.

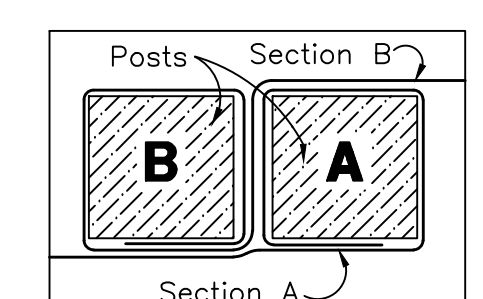
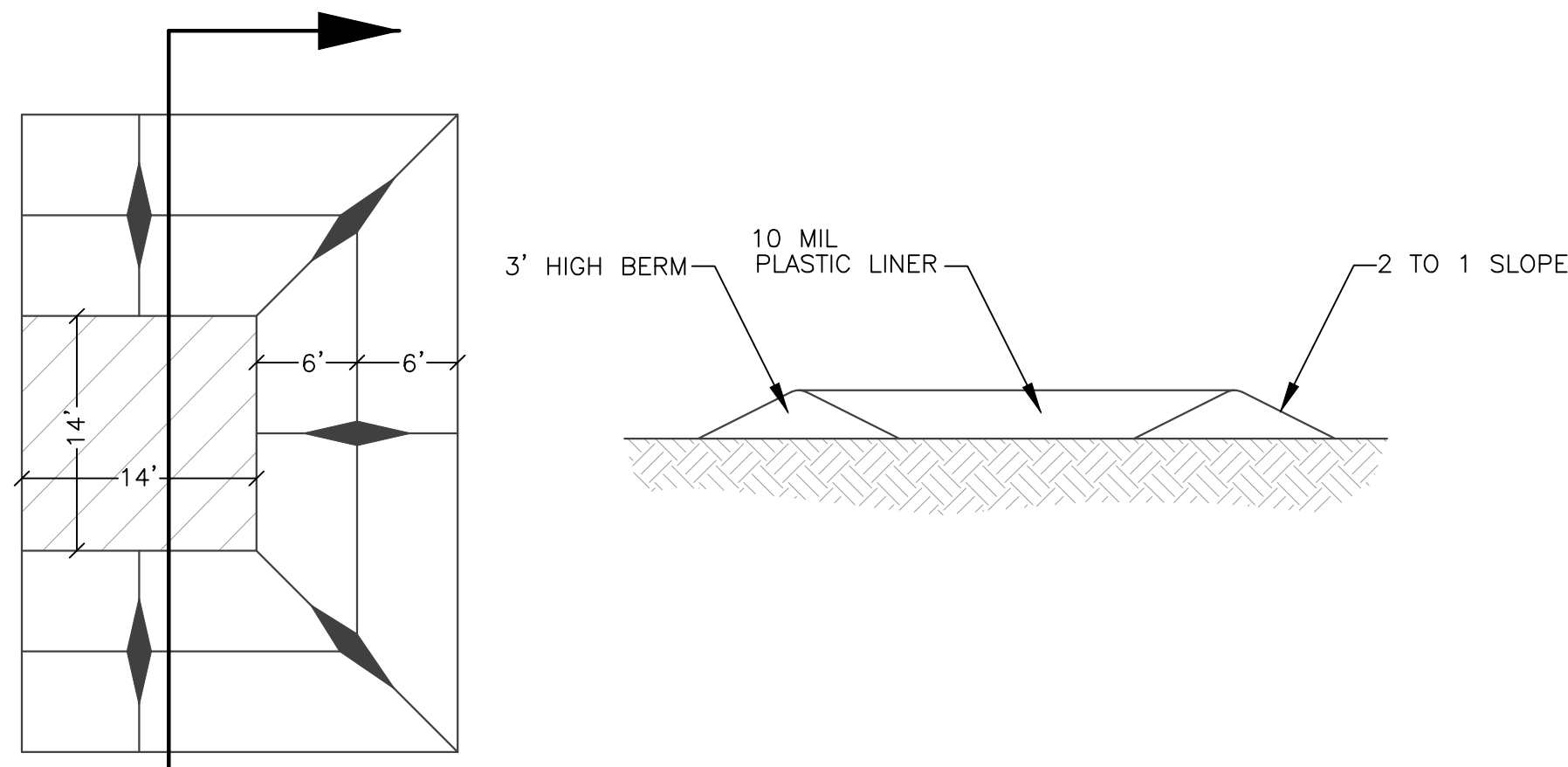


Figure 1: Top View of Roll-to-Roll Connection

**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

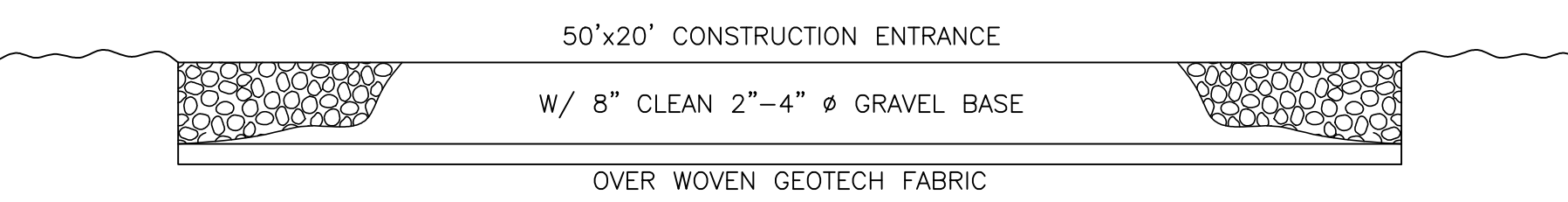
**Silt Fence Detail**

SCALE: NONE

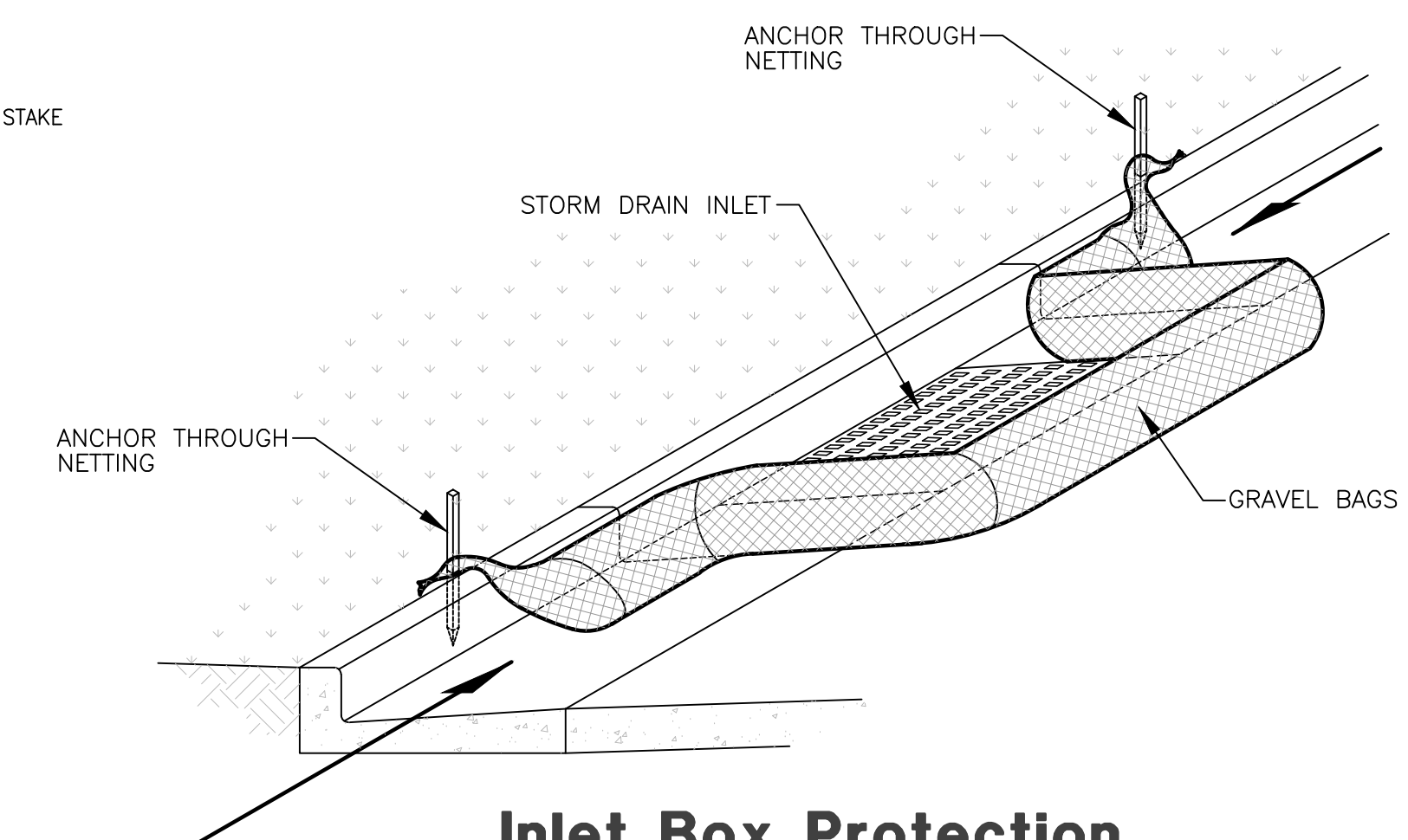


**Concrete Washout Area w/ 10 mil Plastic Liner**

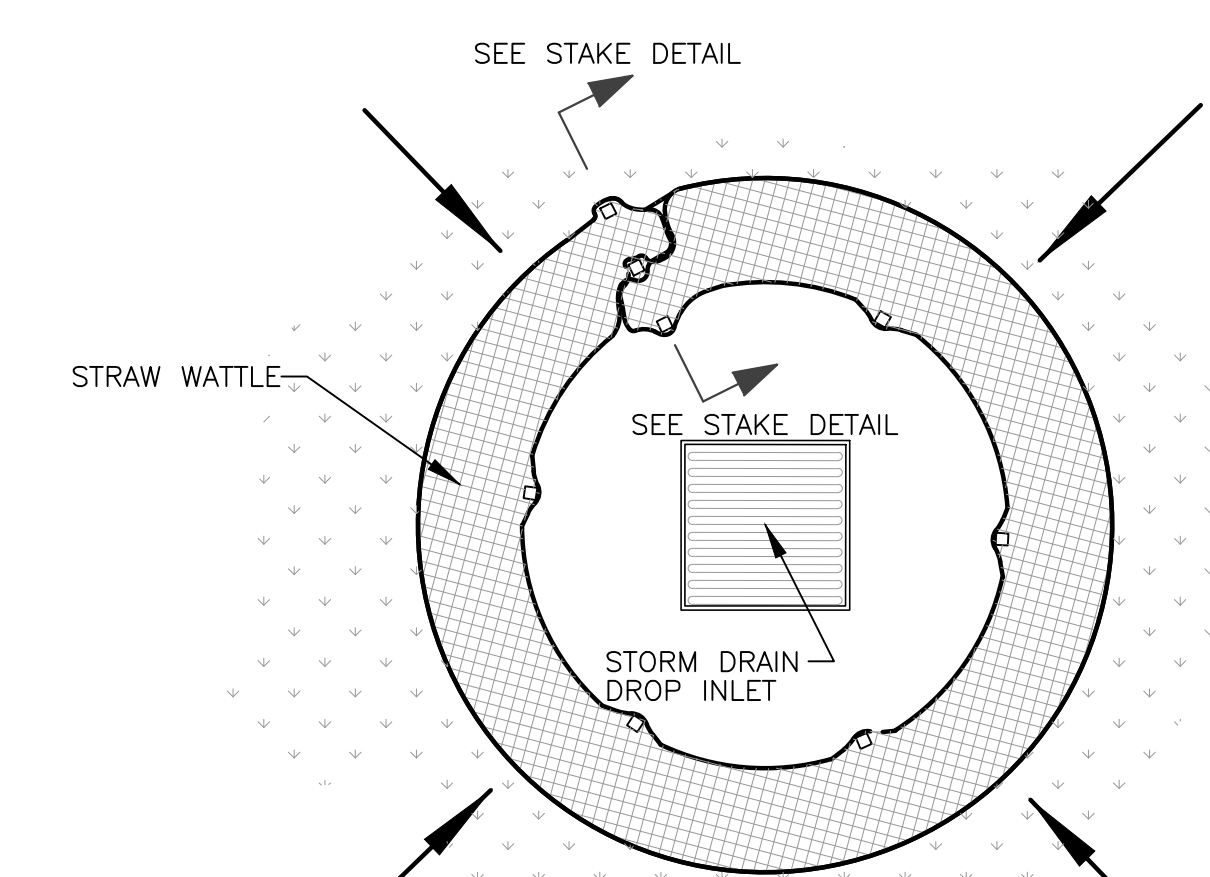
SCALE: NONE



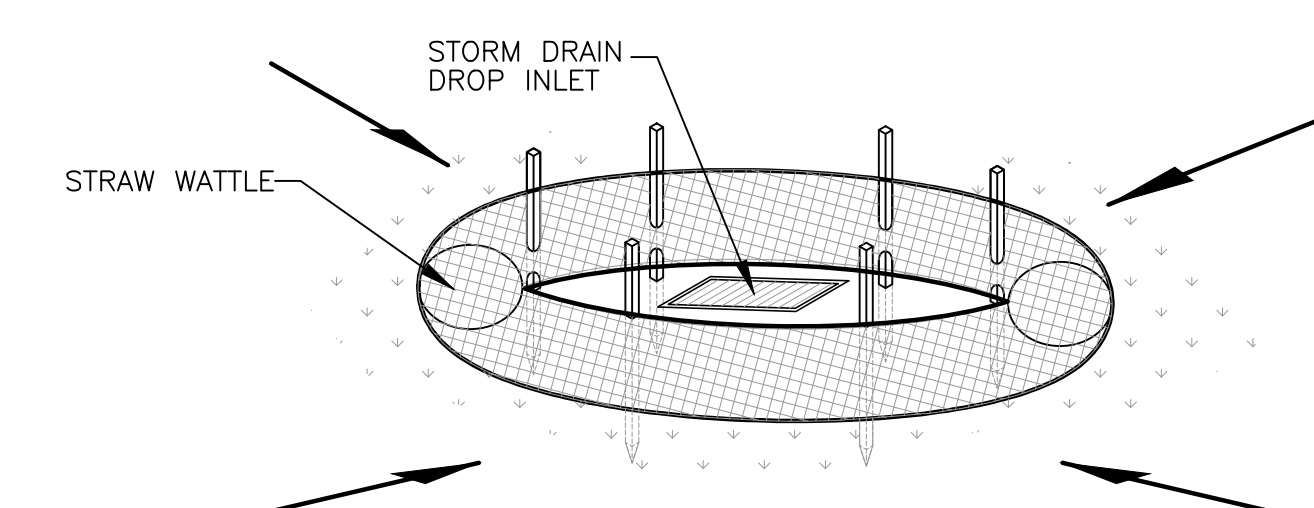
**Cross Section 50' x 20' Construction Entrance**



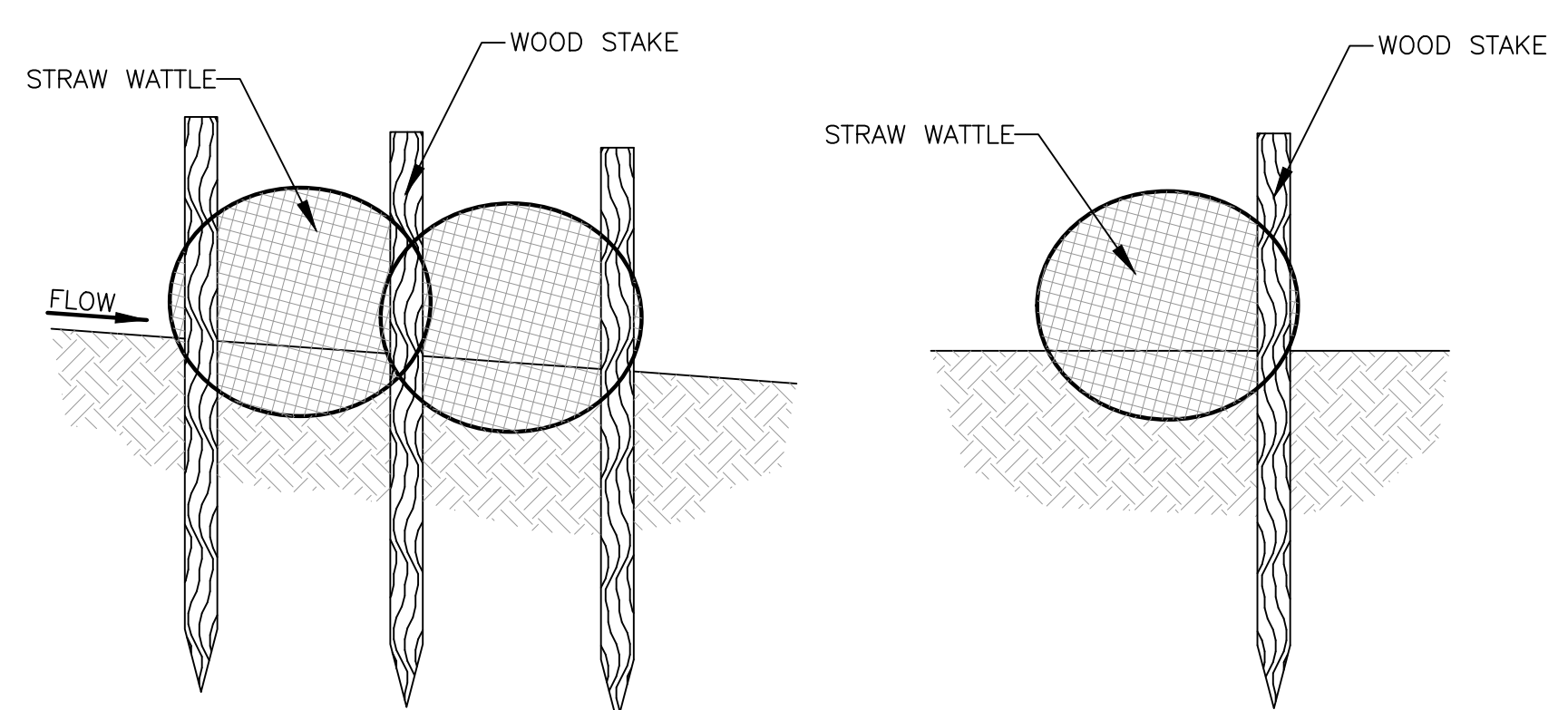
**Inlet Box Protection**



**Plan View**



**Drop Inlet Protection**



**Stake Detail**

**Reeve & Associates, Inc.**  
5160 SOUTH 1500 WEST, RIVERDALE, UTAH 84405  
LAND PLANNERS • CIVIL ENGINEERS • LAND SURVEYORS  
TRAFFIC ENGINEERS • STRUCTURAL ENGINEERS • LANDSCAPE ARCHITECTS

REVISIONS	DATE	DESCRIPTION
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**Gateway Estates Subdivision Phase 1**  
WEBER COUNTY, UTAH

**Storm Water Pollution Prevention Plan Details**

**Project Info.**

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Drafter:	C. KINGSLEY
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