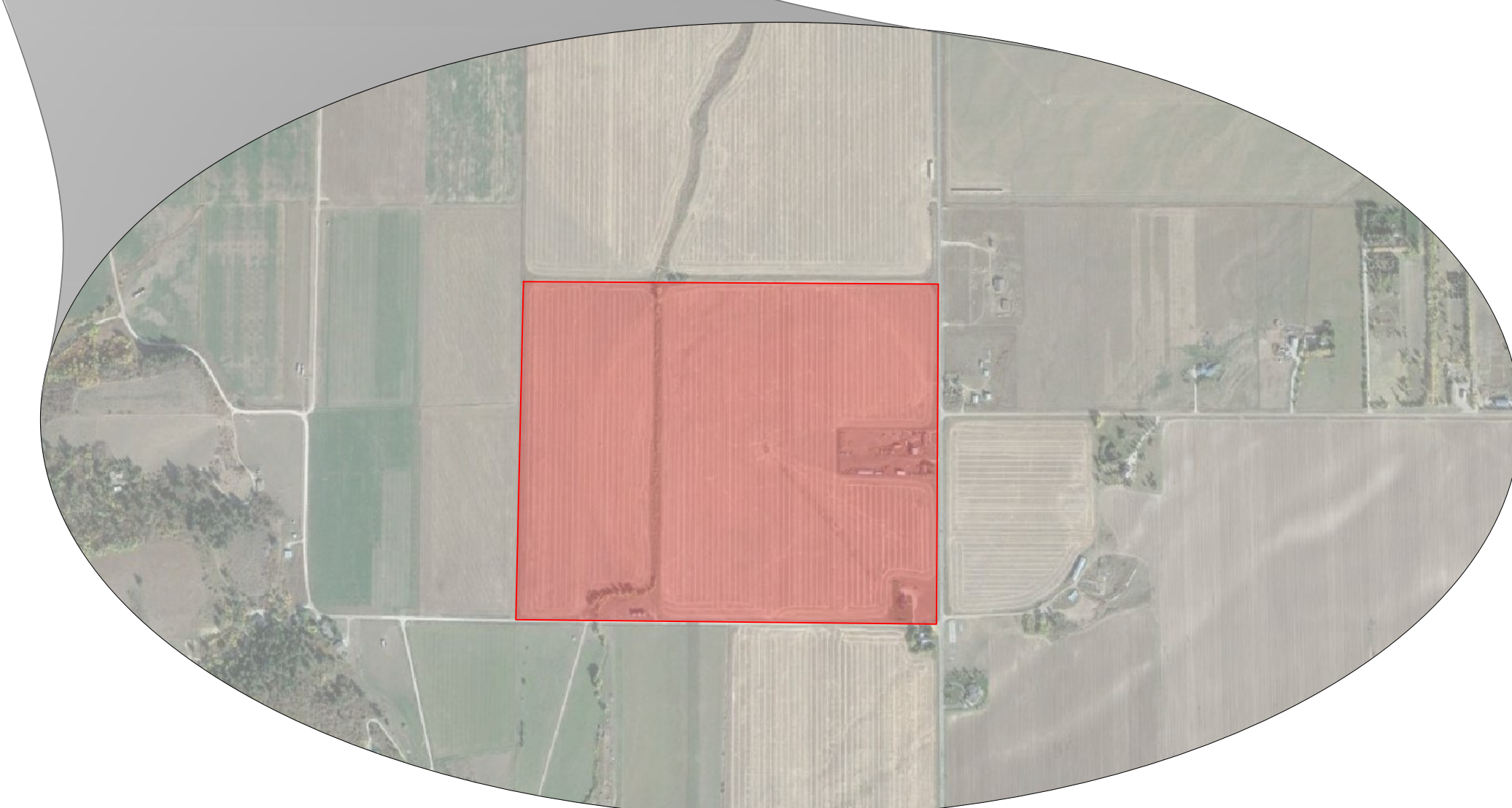




STATE MAP



VICINITY MAP

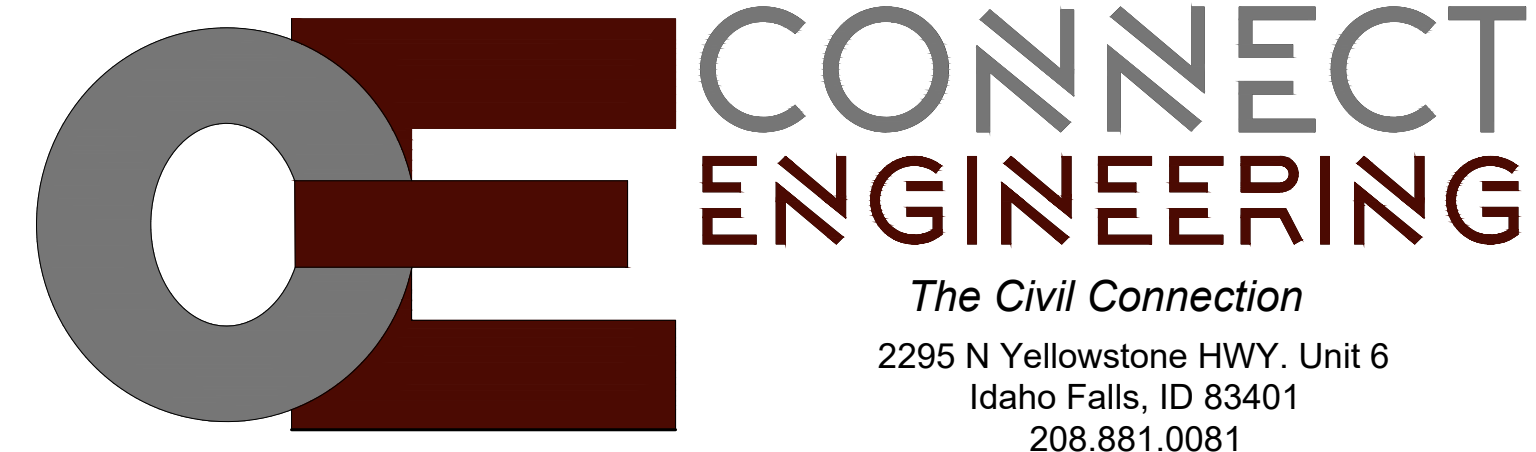


SITE MAP

DEVELOPMENT DRAWINGS FOR:

SKYLINE VIEW RANCH

TETON COUNTY, ID



APPROVAL SIGNATURES:



Connect Engineering _____ Date: _____
 TETON COUNTY, ID _____ Date: _____

SHEET NO.

C-1 of 13

GENERAL NOTES

- All materials, workmanship, and construction of site improvements shall meet or exceed the work standards and specifications set forth by TETON COUNTY STANDARD DRAWINGS AND SPECIFICATIONS, and requirements of the Idaho Standards for Public Works Construction. (ISPWC) current edition.
- All material furnished on or for the project must meet the minimum requirements of the approving agencies or as set forth herein, whichever is more restrictive.
- The Contractor is cautioned that the location and/or elevation of existing utilities, as shown on these plans, is based on records of the various utility companies and where possible, measurements taken in the field. The Contractor must call the local utility location center at least 48 hours before any excavation to request exact field locations of the utilities.
- A Pre-Construction Conference shall be held a minimum of three (3) working days prior to start of work. All Contractors, Subcontractors and/or Utility Contractors shall be present.
- All lot dimensions and easements are to be taken from the Final Plat of the recorded subdivision plat.
- The Contractor shall maintain all existing drainage and sanitary sewer facilities within the construction area until the drainage improvements are in place and functioning.
- All Contractors working within the project boundaries are responsible for compliance with all applicable safety laws of any jurisdictional body including but not limited to, barricades, safety devices, control of traffic, excavation, trenching, shoring, and security within and around the construction area.
- Contractors must furnish proof that all materials installed on this project meet the requirements of Note # 2 above at the request of the agency and/or Engineer.
- CONNECT ENGINEERING must give approval prior to (a) backfilling trenches for pipe; (b) placing of aggregate base; (c) placing of concrete; (d) placing of asphalt pavement. Work done without such approval shall not relieve the Contractor from the responsibility of performing the work in an acceptable manner. Contract work will not be accepted by TETON COUNTY without the approval of the Project Engineer.
- Developmental drawings must be submitted to TETON COUNTY Public Works Dept. prior to final approval.
- Only plan sets marked "Approved for Construction" shall be used by the project contractor(s). Use of any plans on the job without the "Approved for Construction" stamp shall be grounds for the issuance of a stop work order. Contractor must also maintain a set of plans stamped with approval by the Department of Environmental Quality on site.
- Contractor is responsible for property corner protection. The cost of \$30 per corner will be held as retainage until all interior corners are verified to be in place.
- Each Contractor shall be responsible for acquiring any necessary NPDES permits, filing any NOI's or NOT's, and preparing a Storm Water Pollution Prevention Plan (SWPPP) in accordance with the Environmental Protection Agency. Contact the EPA at 208.378.5776 for the required information. Said permit shall be presented to the Engineer at least forty-eight (48) hours prior to the beginning of construction.
- The Contractor shall be responsible for keeping roadways free and clear of all construction debris and dirt tracked in from the site.
- All measures possible shall be taken to ensure erosion control with Best Management Practices.
- Quantities shown are estimates by the Engineer. The Contractor must verify all quantities. If there is a large discrepancy contact the Engineer.
- All work must meet standards set forth by the American Disabilities Act (ADA) inside public rights of way.
- Trench backfill Type 2A compaction "Water Settling" will not be an acceptable method of trench backfill compaction.
- All water valves, blow-offs and manholes will be placed so as not to conflict with any concrete curb, gutter, valley gutter, and sidewalk improvements.
- CONNECT ENGINEERING and/or Inspector shall make periodic visits to the project location to ensure that the site improvements meet or exceed standards and design as per the approved construction drawings.
- To receive final acceptance, Contractor must submit copy of field plans complete with construction notes and As-Built information, corrections, changes, etc.
- Contractor must have ISPWC manual (current edition) on-site during all phases of construction. Failure to do so may result in non-acceptance of the site by DEQ, Engineer, City etc.
- A copy of the Quality Control Signature sheet (with all applicable signatures) shall be delivered to CONNECT ENGINEERING prior to the walk-thru.
- A Right-of-Way Construction Permit from TETON COUNTY Public Works is required for any construction in the road right-of-way not shown on these improvement drawings.
- Contractors shall provide a one (1) year warranty on all roads from the date of formal acceptance by TETON COUNTY.
- Lot corners and centerline intersection monuments have been staked as shown on the recorded plat of this subdivision. Should any of these monuments be lost or disturbed during construction Idaho Code 55-1613 requires said monuments will be reestablished by a professional land surveyor at the expense of the agency or person causing the loss or disturbance.
- All Construction Staking shall be provided by the owner one time, but if restaking is required this shall be provided at the Contractors expense.
- It is the contractors responsibility to know which permits are needed and obtain all construction permits including ROW for bore.
- Plans are intended to be printed in color for added clarity of design.

ELECTRICAL NOTES

- All new electrical facilities shall be constructed in accordance with the current Falls River Power Service Policy. Coordinate all electrical construction with Falls River Power.
- Primary sectionalizing cabinets, transformer ground sleeves, secondary pedestals, fiber boxes, and ground rods shall be provided by IFP, but shall be picked up at the IFP warehouse and/or west side yard and installed by the Contractor.
- All PVC electric conduits shall be PVC Schedule 40 (see note 5 and 6 for exceptions). All elbows shall be PVC Schedule 40 large radius sweep (36") or as otherwise specified by IFP (see note 5 and 6 for exceptions). RGS conduit must be used at riser poles. Conduits must be capped and labeled to identify routing.
- The minimum power trench shall have a minimum depth of fifty-four inches (54") and maximum depth of sixty inches (60") below finish grade (Conduit to be installed 48" below finish grade). Including 6" of sand bedding below and above top of conduits. Minimum trench width shall be twenty-four inches (24"), unless otherwise noted. All Primary conduit must have a minimum of one (1) foot separation between other conduits in trench. Bottom of trenches must be level for conduit installation. All trenches and conduits (including road crossings) must be inspected by Idaho Falls Power prior to back-filling. Backfill and compact all trenches to a minimum of 95% of max density. (Secondary conduits can be reduced to 30" of cover).
- Minimum conduit depth can be reduced to eighteen inches (18") of cover below final grade through basalt or other rock upon prior approval of IFP. Rigid galvanized steel (RGS) conduit shall be provided and installed by the Contractor. IFP will specify the conduit size.
- 2" HDPE SDR 13.5 continuous duct with pre-lubricated ribbed interior wall can be utilized by the Contractor instead of 2 1/2" PVC Schedule 40 as specified on the Contractor Map for proposed 1/0 single phase primary conductor. Conduit to be red in color or black with red stripes (red conduit preferred). If possible HDPE to be ordered with "IFP" stamped on conduit. The HDPE can be turned up inside of ground sleeves or Contractor may transition to 2" PVC Schedule 40 large radius sweep (36") with Perma-Guard/UL fittings by Arco Shur-Lock II or approved equal by IFP.
- Contractor / Developer to install a 2500 lb mule tape string through each primary power conduit run more than 75 LF, all services from the meter base to the transformer / secondary pedestal, and install pull string for fiber optic conduit runs.
- The Developer/Contractor shall provide all staking and layout of new electrical and fiber facilities including power poles. All lot corners adjacent to all power trenches must be clearly marked for installation of electrical facilities.
- The Contractor shall retain and protect all existing City power poles and electrical and fiber facilities during construction. Also, repair / replace all concrete, asphalt, and landscaping that is disturbed during construction.
- It shall be the Customer or Contractor's responsibility to provide illumination (street lights) along or within the public rights-of-way contained within a new development.
- All new light pole foundations and lighting conduits shall be constructed by the Contractor in accordance with current Falls River standard drawings and specifications. IFP will furnish to the Contractor a bolt hole template (pending availability), anchor bolts, nuts, washers, grounding butt plate, and ground wire needed for the installation of the light poles.
- IFP will install poles and luminaires with the cost of materials paid by the Contractor prior to installation.
- On all subdivisions the padmounted equipment (including ground sleeves / pedestals, etc.) will not be provided or set until curb and gutter has been installed. Idaho Falls Power will provide ground rods and contractor will install ground rods prior to installation of conduit.
- On buildings serving 3 units or more, meter sockets and units must be PERMANENTLY labeled prior to meters being energized. Electrician will be required to coordinate with Idaho Falls Power in order to verify meter socket is connected to correct unit (208-612-8207).

SEWER NOTES

- Prior to construction, it shall be the responsibility of the contractor to inform all the utility companies of the construction schedule.
- All existing utility locations and depths are approximate and shall be verified by the contractor.
- All elevations are based on the Teton County datum.
- Manhole rim elevations as shown on the Construction Drawings are approximate. The manhole frames and covers shall be constructed in accordance with Teton County Standard Drawings. Rim elevations shall be determined by the engineer in the field during construction.
- Contractor shall repave any existing paved streets disturbed during construction.
- Retain and protect all irrigation and drainage crossings. The contractor shall coordinate with the owner and the IRRIGATION DISTRICT. (PHONE #) for the inspection of the exposed irrigation and/or drainage pipe crossings. If existing pipes are damaged, the affected pipe will be replaced by the contractor.
- The developer's engineer shall be present during all testing of the sewer construction.
- Retain and protect existing curb, gutter and sidewalk. If removal is necessary, replacement shall be incidental to project.
- The following type and class of pipe will be permitted: gravity pipe shall conform to ASTM D-3034, PVC, SDR 35, or other pipe approved in the Teton County Standards.
- All work shall be constructed to Teton County Standards. All work shall be approved by Teton County.
- Sanitary sewer manhole cones shall be set a maximum of one (1) foot below specified ring elevations by sewer contractor. All remaining manhole materials, other than asphalt collars necessary to construct manhole to finished grade, shall be furnished by the sewer contractor for placement at finished grade by street paving contractor. All materials for asphalt around manhole rings shall be supplied and constructed to finished grade by street contractor. The owner's engineer shall be contacted 24 hours prior to placing asphalt collars.
- The trench backfill above the pipe zone will be inspected by the owner's engineer in accordance with the latest edition of the Idaho Standards for Public Works Construction Specifications and Teton County Standards and Specifications.
- Where PVC is utilized, a rubber ring or approved equivalent is to be installed where the pipe is in contact with manhole base and/or manhole channel in order to insure a watertight seal.
- Where it is necessary for sewer and water to cross each other and the sewer line is above or less than 18 inches below the water main, the sewer line crossing shall be either:
 - Non-Potable pipeline construction with potable water class pipe for a minimum of ten (10) feet either side of potable pipeline with a single twenty (20) ft section of potable water class pipe centered on the crossing; or
 - Sleeve non-potable or potable pipeline with potable water class pipe ten (10) feet either side of crossing. Use of hydraulic cementitious materials such as concrete, controlled density fill, and concrete slurry encasement is not allowed as a substitute for sleeving.
 If potable pipeline is below non-potable pipeline, the non-potable pipeline must also be supported through the crossing to prevent settling.
- Where the sewer main depth will allow, all sewer service lines shall be constructed to a depth of 9.5' at property line. The contractor shall use 4" diameter PVC pipe or approved equivalent for all service lines. All sewer service lines shall be constructed at a minimum grade of 1%.
- Sewer service lines shall be 4" PVC and constructed to a point 15' inside the front lot line as shown. Except where otherwise located, the sewer service lines shall be constructed as shown on plan.
- The horizontal separation of the water and sewer mains shall be a minimum of ten (10) feet.
- Contractor shall notify the Teton County Engineer and the developer's engineer 48 hours in advance of construction.
- Water levels shall be maintained below the trench bottom during the pipe laying and joining operation. The dewatering method shall be discussed with the engineer and approved prior to construction. Ditches and storm drain facilities that are silted up due to the contractor's dewatering shall be cleaned and restored to their original state.
- Contractor shall locate and protect all underground utilities during construction.
- The developer shall test the compaction of the sewer pipeline bedding in accordance with the the ISPWC specifications, and will be done by an outside testing laboratory. The cost of this service shall be paid by the developer. However, if the test fails, the cost of the test and any retesting shall be paid by the contractor. The contractor shall coordinate with the developer's engineer and the testing laboratory to schedule the tests, backfilling, and pipe laying operation.
- After all utilities are constructed and just prior to paving, the contractor shall perform an air test on the sewer system. The developer's engineer shall be present to witness the test. The contractor shall contact the engineer 24 hours prior to testing. Teton County requires low pressure air or hydrostatic testing, mandrel, and CCTV inspection of the completed sewer.
- The contractor shall leave the excavation for the upstream end of all service lines open for field verification of the invert elevation by the engineer's inspector. The contractor shall not backfill the ends of service lines until he has obtained approval from the engineer's inspector or made other arrangements for verification of service line invert elevations.
- Service and main piping shall be in accordance with ASTM 3034 and shall be SDR 35 or greater plastic pipe or approved equal.
- Service wyes shall be installed per the Teton County Standards.
- Backfill compaction of drop manholes shall not be accepted without full time inspection by developer's engineer during compaction work.
- At all times, when laying pipe is not in progress, open ends of the pipe shall be closed by a watertight plug or other approved means. At the close of the day's work, or whenever workmen are absent from the job, the end of the last laid section shall be plugged, capped, or tightly closed to prevent entry of foreign material.
- All visible leaks shall be repaired - even if the leakage is below allowable limits.
- The developer's engineer shall be present during all testing of the sewer line.
- A minimum of 18" vertical clearance must exist between potable and non-potable lines.

STREET SIGNING

- All road striping and traffic signing shall be designed, constructed, and placed according to the current Manual of Uniform Traffic Control Devices (MUTCD) with the following exceptions: All Stop and Yield signs used in any subdivision shall be a minimum 30" X 30", engineer grade sheeting is not allowed.
 - All Road Name and Street signs shall have a minimum 4" legend. Both background and legend shall be retro-reflective. Standard colors are white legend and green background except private roads, which will have a blue background.
 - Substrate material shall be aluminum; no fiberglass or plastic will be accepted.
 - The minimum size for Speed Limit Signs shall be 24"W X 30"L with black legend on white background.
 - Posts shall be metal and shall be anchored with a "soil type" anchor. No concrete shall be used as an anchor. Posts shall be 2" X 2" square and must meet break-a-way standards of the State of Idaho. No U-channel shall be used.
 - The minimum height of signs shall be 6' from the road surface to the bottom of the sign.
 - Maintenance of all street and traffic signs will be the responsibility of the developer until the streets are officially accepted for maintenance by Teton County.

WATER NOTES

- The water system shall be constructed to conform with the standards set forth in the "Idaho Regulations for Public Drinking Water Systems" and the current Teton County STANDARD DRAWINGS AND SPECIFICATIONS.
- The pipe shall be installed in a workmanlike manner by persons properly qualified to perform said work and shall be in conformance with the manufacturer's recommendations as approved by the City Engineer. All work and materials must conform to current requirements of the Teton County. Water distribution mains shall be constructed with class 50 DI pipe.
- All water services shall be soft copper type K pipe and have a minimum cover of 6 feet per Teton County Std. Dwgs #401A AND / OR #401B. Cap lines 15' inside property lines after installation of the water mains. The trenches shall be compacted to 95% of maximum density to prevent further settlement. All mains shall be leak-tested, disinfected, flushed and bacteria tested before connecting to the municipal system. Mueller thermal coil meter pit, or equivalent, required for all water services.
- Where it is necessary for sewer and water to cross each other and the sewer line is above or less than 18 inches below the water main, the sewer line crossing shall be either:
 - Non-Potable pipeline construction with potable water class pipe for a minimum of ten (10) feet either side of potable pipeline with a single twenty (20) ft section of potable water class pipe centered on the crossing; or
 - Sleeve non-potable or potable pipeline with potable water class pipe ten (10) feet either side of crossing. Use of hydraulic cementitious materials such as concrete, controlled density fill, and concrete slurry encasement is not allowed as a substitute for sleeving.
 If potable pipeline is below non-potable pipeline, the non-potable pipeline must also be supported through the crossing to prevent settling.
- All tees, plugs, caps and bends, and at other locations where unbalanced forces exist, shall be secured and anchored by concrete thrust blocks as shown on Teton County std. dwgs.
- CONNECT ENGINEERING will provide one (1) set of construction stakes for each of the following items: water main lines, fire hydrants, and service connections.
- Contractor to field verify all valve box lid elevations to assure that said lid elevations match final street grade.
- The paving contractor shall be responsible for constructing asphalt collars and final adjustments of water valves to grade.
- Pipes laid on a curve: the maximum joint deflection shall be 5 percent or the manufacturer's recommendation, whichever is less.
- The developer will test the compaction of the water pipeline bedding in accordance with the ISPWC specifications construction inspection policy. Testing will be done by an outside testing laboratory. The cost of this service shall be paid by the developer. However, if the test fails, the cost of the test and any retesting shall be paid by the water contractor. The contractor shall coordinate with the developer's engineer and testing laboratory to schedule the tests, his backfilling, and pipe laying operation.
- The developer's engineer shall be present during all testing of the water line.
- The horizontal separation of the water and sanitary sewer, or storm drain shall be a minimum of ten (10) feet.
- The water line construction shall conform to the depth of public health and welfare regulations of public drinking. A minimum of 6-foot cover for water lines water systems and disinfection specifications shall be kept.
- Fire hydrants or temporary blow-offs shall be installed on dead-end water lines.
- Water lines shall not exceed 8' in depth from finished grade.
- At all times, when laying pipe is not in progress, open ends of the pipe shall be closed by a watertight plug or other approved means. At the close of the day's work, or whenever workmen are absent from the job, the end of the last laid section shall be plugged, capped, or tightly closed to prevent entry of foreign material.
- All water main fittings to be mechanical joint, no flanged fittings.
- A minimum of 18" vertical clearance must exist between potable and non-potable lines.
- Fire hydrants shall be Clow Medallion or Waterous Pacer. Any other type shall be up to Teton County to approve or reject. All fire hydrants shall be painted yellow.

STREET CONSTRUCTION

- All construction within public right-of-way shall conform to the current edition of the ISPWC and Teton County standards. No exceptions to Policy Standards and the ISPWC will be allowed unless specifically and previously approved in writing by Teton County.
- No construction shall begin before the Pre-Construction meeting, which the Contractor is required to attend.
- Sanitary sewer and storm drain manholes, cones and structures shall be set to specified elevation by their respective contractors. All remaining manhole materials, including asphalt collars, necessary to construct manhole to finished grade in pavement areas shall be furnished by the Contractor for placement at finished grade. For manholes not within pavement areas, the manhole rings shall be set to finished grade by their respective contractor. Contractor shall contact Teton County twenty-four (24) hours prior to pouring any concrete collars.
- Contractor shall construct four inches (4") of asphalt pavement thickness at joint locations for all pavement matches.
- All reinforced concrete pipe shall conform to ASTM C-76 Specifications for the class of pipe indicated, and shall be installed watertight.
- All work will be inspected by CONNECT ENGINEERING and monitored by Teton County in accordance with the latest edition of the Teton County Standard Drawings and Specifications".
- Borrow shall be obtained from sources designated or approved in writing by the Engineer.
- Clearing and grubbing shall consist of removing all natural and artificial objectionable materials. Under no circumstances shall roadways be placed on frozen or objectionable material.
- The subgrade shall be excavated and bladed to remove all uneven areas and to secure a uniform surface true to grade and line. The subgrade material shall then be scarified to a depth of eight inches (8"), adjusted to within approximately 2% of optimum moisture content and compacted to the minimum density required as stated in ISPWC.
- All concrete used shall be Class 4 and have a strength of four thousand (4000) PSI in twenty-eight (28) days. The concrete mix shall include Fly Ash for ASR mitigation. The mix design shall be approved by the engineer. All concrete shall be cured by a liquid membrane-forming curing compound method, unless otherwise specified in writing by the Engineer.
- The plant mix should be a 1/2-inch SP3 PG 58-28, 1 to 10 million design ESALS superpave hot mix asphalt design.
- All road striping and excess topsoil shall be stockpiled out of the right-of-way and stored at Contractor's expense.
- A traffic control plan based on the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD) shall be approved by Teton County Public Works Department prior to construction.
- Parked equipment and stored materials shall be kept as far away from the travel way as feasible. Items left overnight within 30 feet of the travel way shall be marked and/or protected.
- Contractor responsible for all traffic control plans and implantation.



CONTACTS

DEPARTMENT OF ENVIRONMENTAL QUALITY
 900 N SKYLINE, SUITE B
 IDAHO FALLS, IDAHO 83402
 (208) 528-2650

TETON COUNTY COURT HOUSE
 150 COURTHOUSE DRIVE
 ROOM 107
DRIGGS, ID
208-354-2593

Silver Star Communications
 1670 ID-33
 Driggs, ID 83422
 (208) 354-3300

Falls River POWER
 1605 N HWY. 33
 P.O. Box 511 Driggs, ID 83422
 208-652-7431

	DRAWN BY MAK / AQT	CHECK BY BDJ	SHEET NAME: NOTES	ENGINEERS STAMP 	SHEET INFORMATION JOB NO: 2021-105 DATE: January 26, 2024 SHEET SIZE: 24X36 VERTICAL EXAGGERATION: 1V = 10 H PROJECT CONTACT: BARRY BAME CONNECT ENGINEERING 208-881-0081	SHEET C-2
	REVISIONS	DATE	PROJECT: SKYLINE VIEW RANCH			OF
			LOCATION: TETON COUNTY, ID			13
						SHEETS

REFERENCES

RETAIN AND PROTECT

100-1 RETAIN AND PROTECT

EARTHWORK

200-1 SAW-CUT LINE AND ASPHALT REMOVAL AND UTILITY TRENCH PER ISPCW SD - 306

WATER

401-6 INSTALL 6" WATER PIPE C-50 DI @ 6' MINIMUM COVER PER ISPCW

401-8 INSTALL 8" WATER PIPE C-50 DI @ 6' MINIMUM COVER PER ISPCW

401-10 INSTALL 10" WATER PIPE C-50 DI @ 6' MINIMUM COVER PER ISPCW

401-12 INSTALL 12" WATER PIPE C-50 DI @ 6' MINIMUM COVER PER ISPCW

401-8.6 INSTALL 8" TO 6" C50-DI REDUCER WITH THRUST BLOCK PER ISPCW SD - 403

401-6.6.6 INSTALL 6"x6"x6" TEE WITH THRUST BLOCK PER ISPCW SD - 403

401-8.8.8 INSTALL 8"x8"x8" TEE WITH THRUST BLOCK PER ISPCW SD - 403

401-12.12.12 INSTALL 12"x12"x12" TEE WITH THRUST BLOCK PER ISPCW SD - 403

401-8.8.6 INSTALL 8"x8"x6" TEE WITH THRUST BLOCK PER ISPCW SD - 403

401-12.12.6 INSTALL 12"x12"x6" TEE WITH THRUST BLOCK PER ISPCW SD - 403

401-12.12.8 INSTALL 12"x12"x8" TEE WITH THRUST BLOCK PER ISPCW SD - 403

401-6.11 INSTALL 6" 11.25" BEND WITH THRUST BLOCK PER ISPCW SD - 403

401-6.22 INSTALL 6" 22.5" BEND WITH THRUST BLOCK PER ISPCW SD - 403

401-6.45 INSTALL 6" 45" BEND WITH THRUST BLOCK PER ISPCW SD - 403

401-6.90 INSTALL 6" 90" BEND WITH THRUST BLOCK PER ISPCW SD - 403

401-8.11 INSTALL 8" 11.25" BEND WITH THRUST BLOCK PER ISPCW SD - 403

401-8.22 INSTALL 8" 22.5" BEND WITH THRUST BLOCK PER ISPCW SD - 403

401-8.45 INSTALL 8" 45" BEND WITH THRUST BLOCK PER ISPCW SD - 403

401-8.90 INSTALL 8" 90" BEND WITH THRUST BLOCK PER ISPCW SD - 403

402-6 INSTALL 6" WATER VALVE PER ISPCW SD - 406

402-8 INSTALL 8" WATER VALVE PER ISPCW SD - 406

402-12 INSTALL 12" WATER VALVE PER ISPCW SD - 406

403-1 FIRE HYDRANT-DETAIL ISPCW SD-404

404-1 INSTALL 1" WATER SERVICE WITH METER PIT INCLUDING METER PER IF SD-401A

404-1.5 INSTALL 1.5" WATER SERVICE WITH METER PIT INCLUDING METER PER IF SD-401A

404-2 INSTALL 2" WATER SERVICE WITH METER PIT INCLUDING METER PER IF SD-401A

SEWER

501-8 INSTALL 8" SDR 35 SANITARY SEWER PIPE @ 0.4% MIN.

501-12 INSTALL 12" SDR 35 SANITARY SEWER PIPE @ 0.4% MIN.

502-1 INSTALL 4" SS MH PER ISPCW SD-501

504-4 INSTALL 4" SDR 35 SANITARY SEWER SERVICE @ 2% MIN SLOPE TO EASEMENT PER IF-511

505-6 INSTALL 6" C-900 PRESSURIZED SANITARY SEWER

506-6.90 INSTALL 6" 90" PRESSURE SEWER BEND WITH THRUST BLOCK PER ISPCW SD - 403

STORM

601-12 INSTALL 12" ADS N 12 STORM PIPE @ 0.22% MIN SLOPE

602-1 INSTALL 4" SD MANHOLE TYPE A WITH REGULAR LID PER IF-612

602-2 INSTALL CATCH BASIN TYPE I PER ISPCW SD-601

602-3 INSTALL INFILTRATION MANHOLE PER DETAIL ON SHEET 3

CONCRETE

706-1 INSTALL 6" CURB AND GUTTER PER ISPCW SD-701

706-3 INSTALL 6" CURB AND GUTTER PER CITY OF IDAHO FALLS STANDARD DETAIL IF-701A

706-A1 INSTALL CONCRETE COMMERCIAL APPROACH PER ISPCW SD-710

706-D1 INSTALL CURB DRAIN PER ISPCW SD-715

706-V1 INSTALL VALLEY GUTTER PER IF - 708A

706-S1 INSTALL 4" CONCRETE SIDEWALK PER ISPCW SD-709

706-R1 INSTALL ADA PEDESTRIAN RAMP W/DETECTABLE WARNING DOMES PER ISPCW SD-712

PRESSURE IRRIGATION

0901.4.1.A.1-04 INSTALL 4" PRESSURIZED IRRIGATION

0901.4.1.A.1-06 INSTALL 6" PRESSURIZED IRRIGATION

0901.4.1.A.1-02 INSTALL 2" PRESSURIZED IRRIGATION

0901.4.1.B.1-90 INSTALL 90" PRESSURIZED IRRIGATION BEND

0902.4.1.A.1-01 INSTALL PRESSURIZED IRRIGATION VALVE

TRAFFIC SIGNAL AND STREET LIGHTING

1102-1 INSTALL STREET LIGHT

1103-1 INSTALL STOP SIGN AND STREET SIGNS PER MUTCD STD.

LEGEND

- EXIST. CATCH BASIN
- EXIST. FIRE HYDRANT
- EXIST. POWER POLE
- EXIST. LIGHT POLE
- EXIST. VALVE
- EXIST. STORM DRAIN MANHOLE
- EXIST. SANITARY SEWER MANHOLE

- PROPOSED CATCH BASIN
- PROPOSED FIRE HYDRANT
- PROPOSED POWER POLE
- PROPOSED STREET LIGHT
- PROPOSED VALVE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED SANITARY SEWER MANHOLE

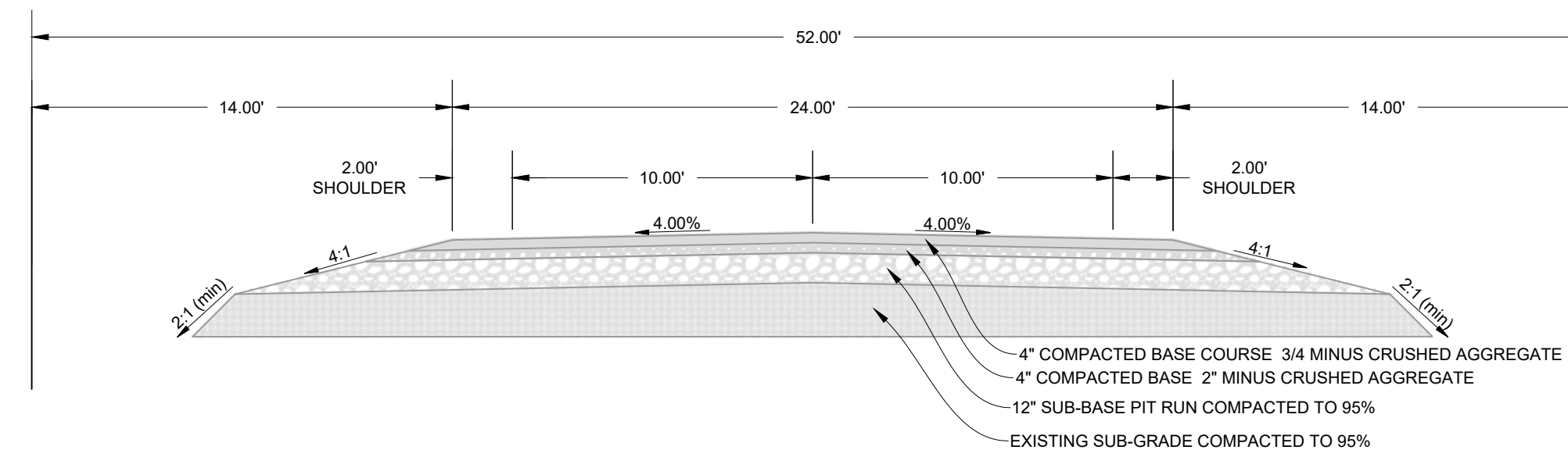
- BOUNDARY LINE
- LOT LINE
- GRADE BREAK
- SAW CUT
- STREET RIGHT-OF-WAY (ROW)
- EASEMENT LINE
- CENTERLINE OF ROAD
- EXIST. GAS SERVICE
- EXIST. FENCE LINE
- EXIST. IRRIGATION LINE
- EXIST. SANITARY SEWER SERVICE
- EXIST. WATER SERVICE
- EXIST. WATERLINE
- EXIST. SANITARY SEWER LINE
- EXIST. CURB & GUTTER
- EXIST. UNDERGROUND POWER
- EXIST. OVERHEAD POWER
- EXIST. MAJOR CONTOUR
- EXIST. MINOR CONTOUR

- EXISTING ASPHALT TO BE PROTECTED
- PROPOSED ASPHALT
- PROPOSED CONCRETE SIDEWALK
- PROPOSED BUILDINGS
- PROPOSED LANDSCAPING

- PROPOSED FENCE LINE
- PROPOSED PRESSURE IRRIGATION LINE
- PROPOSED SANITARY SEWER SERVICE
- PROPOSED WATER SERVICE
- PROPOSED WATERLINE
- PROPOSED SANITARY SEWER LINE
- PROPOSED FLUSH CURB
- PROPOSED UNDERGROUND POWER
- PROPOSED OVERHEAD POWER
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR

ACRONYMS

- BTM BOTTOM
- FF FINISH FLOOR
- GB GRADE BREAK
- HP HIGH POINT
- LP LOW POINT
- INV IN INVERT IN
- INV OUT INVERT OUT
- L LEFT
- R RIGHT
- OFF OFFSET
- PC POINT OF CURVATURE
- PI POINT OF INTERSECTION
- PUD PLANNED UNIT DEVELOPMENT
- PUE PUBLIC UTILITY EASEMENT
- PVI POINT OF VERTICAL INTERSECTION
- CB STORM DRAIN CATCH BASIN
- SDMH STORM DRAIN MANHOLE
- SSMH SANITARY SEWER MANHOLE
- SF SQUARE FEET
- STA STATION
- TBC TOP BACK OF CURB



TYPICAL CROSS-SECTION

NOTE:
NOT ALL HATCHES, LINETYPES, REFERENCES, AND SYMBOLS ON THIS SHEET ARE INCLUDED IN THIS PLAN SET.

	<table border="1"> <tr> <td>DRAWN BY</td> <td>CHECK BY</td> </tr> <tr> <td>MAK / AQT</td> <td>BDJ</td> </tr> </table>	DRAWN BY	CHECK BY	MAK / AQT	BDJ	<table border="1"> <tr> <td>REVISIONS</td> <td>DATE</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	REVISIONS	DATE					<p>SHEET NAME:</p> <p>REFERENCE SHEET</p> <p>PROJECT:</p> <p>SKYLINE VIEW RANCH</p> <p>LOCATION:</p> <p>TETON COUNTY, ID</p>	<p>ENGINEERS STAMP</p>	<p>SHEET INFORMATION</p> <p>JOB NO: 2021-105</p> <p>DATE: January 26, 2024</p> <p>SHEET SIZE: 24X36</p> <p>VERTICAL EXAGGERATION: 1V = 10 H</p> <p>PROJECT CONTACT:</p> <p>BARRY BAME CONNECT ENGINEERING 208-881-0081</p>	<p>SHEET</p> <p>C-3</p> <p>13</p> <p>OF SHEETS</p>
	DRAWN BY	CHECK BY														
	MAK / AQT	BDJ														
	REVISIONS	DATE														



GENERAL NOTE:
 ALL PUBLIC IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT CITY OF IDAHO FALLS ENGINEERING STANDARD SPECIFICATIONS AND STANDARD DRAWINGS.

FIRE CODE NOTE:
 D103.6.1 ROADS 20 TO 26 FEET IN WIDTH. FIRE LANE SIGNS AS SPECIFIED IN SECTION D103.6 SHALL BE POSTED ON BOTH SIDES OF THE FIRE APPARATUS ACCESS ROADS THAT ARE 20 TO 26 FEET WIDE (6096 TO 7925 MM)

BASIS OF BEARING
 THE BEARING ALONG THE BOUNDARY LINE BETWEEN SECTIONS 1 AND 12 OF TOWNSHIP 4 NORTH, RANGE 44 EAST, BOISE MERIDIAN, TETON COUNTY, IDAHO IS THE BASIS FOR ALL BEARINGS

BENCHMARK
 STATIC GPS SURVEY ON A 5/8" IRON ROD PLS NO CAP BEING THE NORTHEAST CORNER SECTION 12. INSTRUMENT# 126786 DATA CORRECTED THROUGH ONLINE POSITIONING USER SERVICE (OPUS) REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ORTHOMETRIC HEIGHT: NAVD88 [COMPUTED USING GEOID12B]

	DRAWN BY	CHECK BY
	MAK / AQT	BDJ
REVISIONS	DATE	

GRAPHIC SCALE

(IN FEET)
1 inch = ## ft.

SHEET NAME:	EXISTING CONDITIONS
PROJECT:	SKYLINE VIEW RANCH
LOCATION:	TETON COUNTY, ID

	SHEET INFORMATION
	JOB NO: 2021-105
	DATE: January 26, 2024
	SHEET SIZE: 24X36
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PROJECT CONTACT:	
BARRY BAME	
CONNECT ENGINEERING	
208-881-0081	

SHEET	C-4
OF	13
SHEETS	

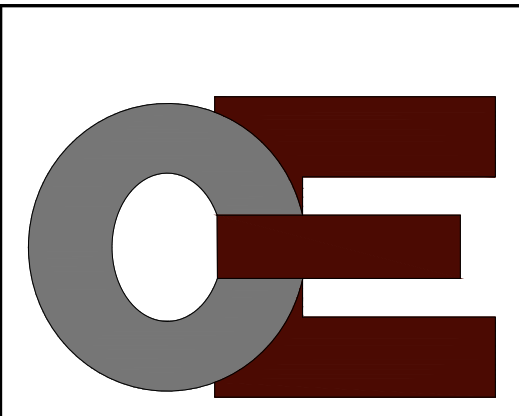
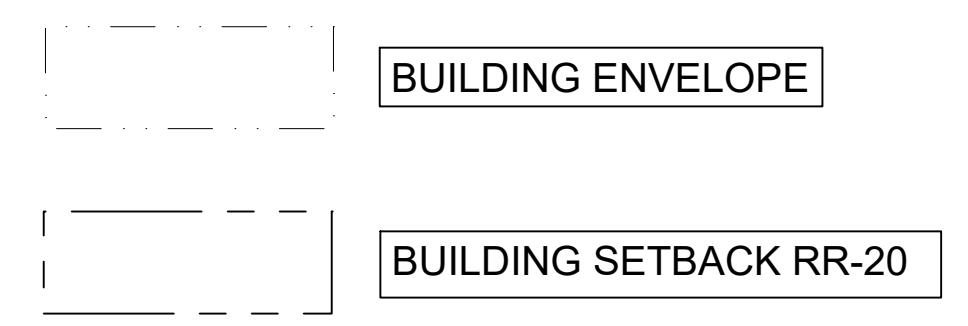


CADDIS S-N							
Number	Begin Station	End Station	Radius	Length	Line/Chord Direction	Begin Point	End Point
L1	1+00.00	6+11.75		511.75	N0° 01' 34.98"E	N: 739109.43, E: 910035.09	N: 739621.17, E: 910035.33
C1	6+11.75	6+52.27	326.00	40.52	N3° 32' 05.16"W	N: 739621.17, E: 910035.33	N: 739661.59, E: 910032.83
L2	6+52.27	14+72.00		819.73	N7° 05' 45.30"W	N: 739661.59, E: 910032.83	N: 740475.04, E: 909931.57

CADDIS W-E							
Number	Begin Station	End Station	Radius	Length	Line/Chord Direction	Begin Point	End Point
L3	1+00.00	18+15.00		1715.00	N90° 00' 00.00"E	N: 740424.65, E: 909887.84	N: 740424.65, E: 911602.84

Control Points				
Point #	Elevation	Northing	Easting	Description
1	6115.21	739404.12	911597.36	5/8 REBAR
2	6060.70	743955.60	911612.85	5/8 REBAR

ALL LOTS TO BE SERVICED BY PRIVATE WELL AND SEPTIC. SEPTIC SYSTEMS TO BE NO GREATER THAT 600 GALLONS PER DAY



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MAK / AQT	BDJ
REVISIONS	DATE

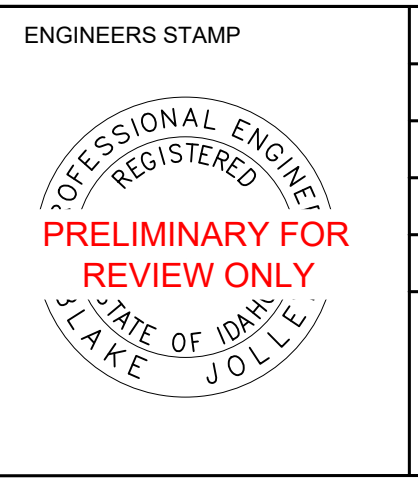
GRAPHIC SCALE

(IN FEET)
1 inch = ## ft.

SHEET NAME: **SITE PLAN**

PROJECT: **SKYLINE VIEW RANCH**

LOCATION: **TETON COUNTY, ID**



SHEET INFORMATION

JOB NO: 2021-105

DATE: January 26, 2024

SHEET SIZE: 24X36

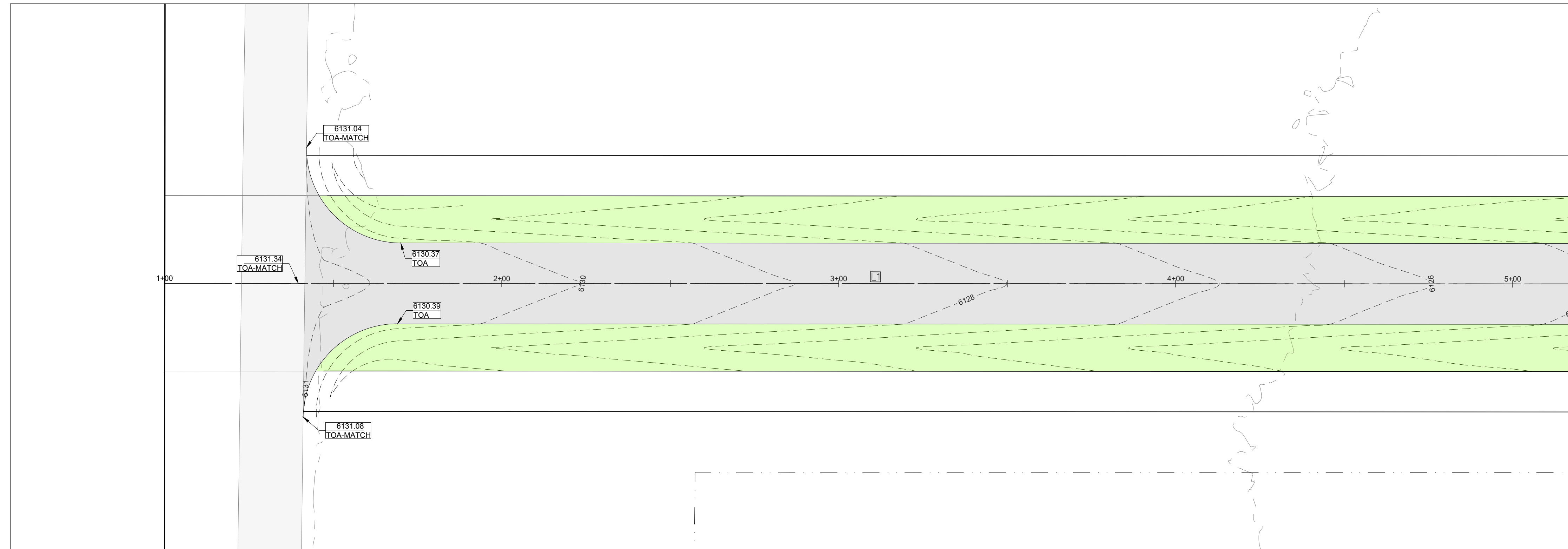
VERTICAL EXAGGERATION: 1V = 10 H

PROJECT CONTACT:
BARRY BAME
CONNECT ENGINEERING
208-881-0081

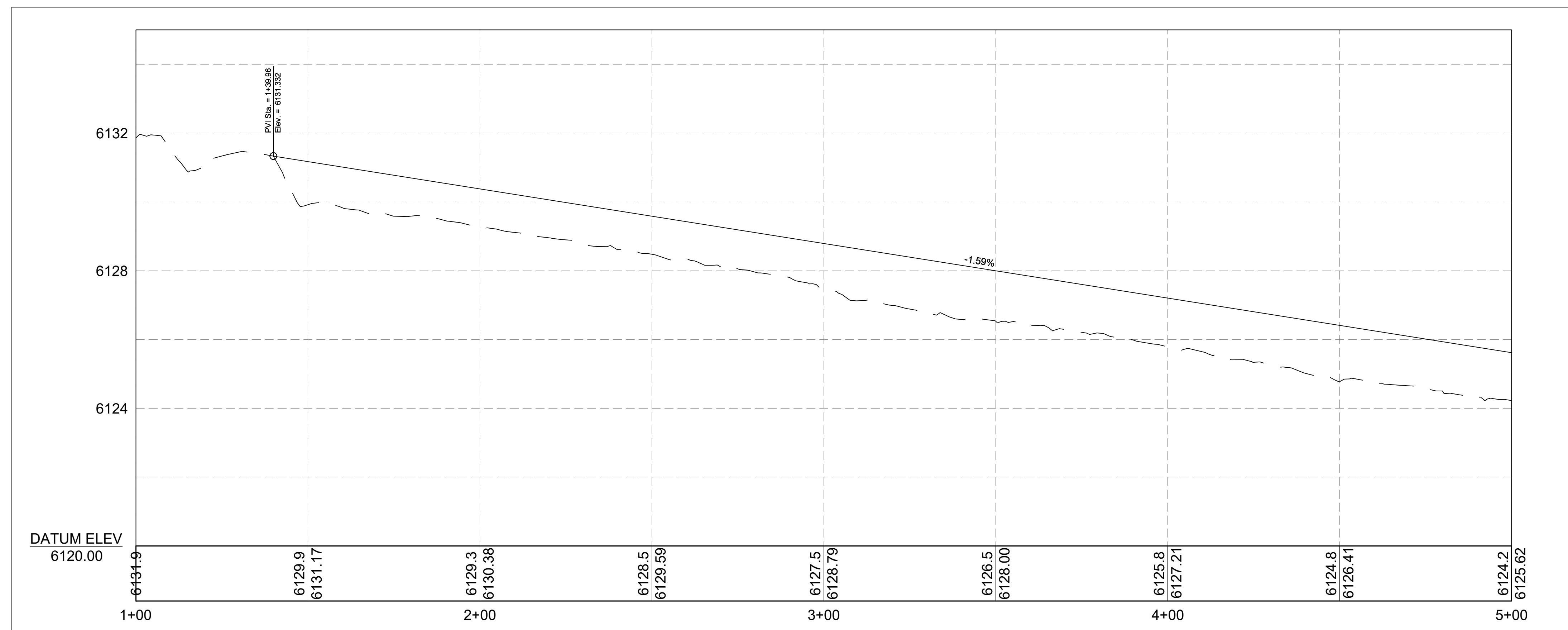
SURVEY NOTE:

This site plan conforms to an actual survey that was performed on the ground by a licensed land surveyor in and for the State of Idaho. It is the owner's responsibility to construct all structures shown on this site plan in accordance with said survey.

- SEE SHEET 3 FOR MORE INFORMATION
- 100-1 RETAIN AND PROTECT
 - 200-1 SAW CUT AND ASPHALT REMOVAL
 - 401-6 6" WATER MAIN
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 - 404-4 4" WATER SERVICE
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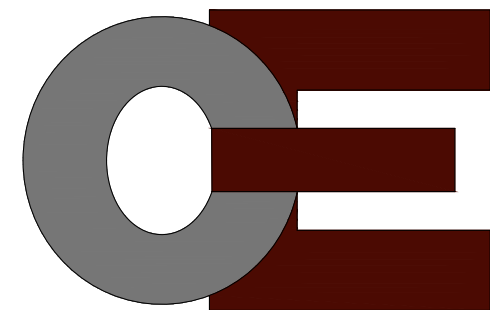


PRIVATE RD - CADDIS DR S-N STA: 1+00 to 5+00 - PLAN VIEW

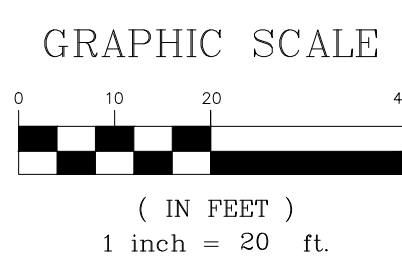
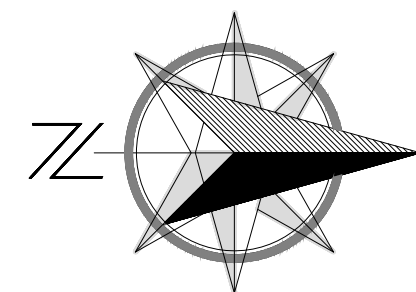


PRIVATE RD - CADDIS DR S-N STA: 1+00 to 5+00 - PROFILE VIEW

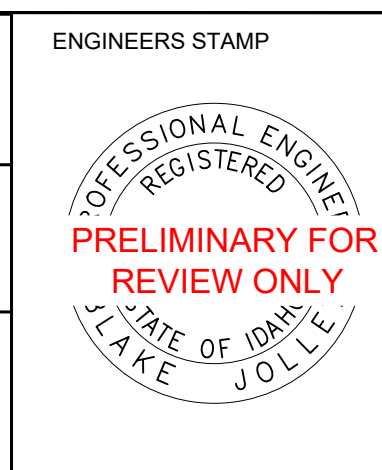
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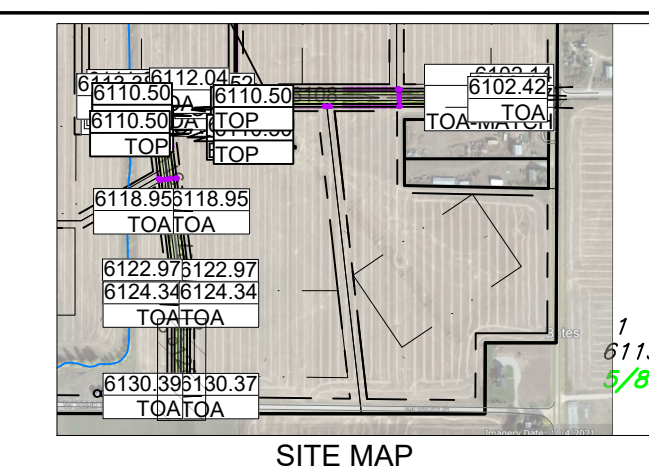
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REVISIONS		DATE	



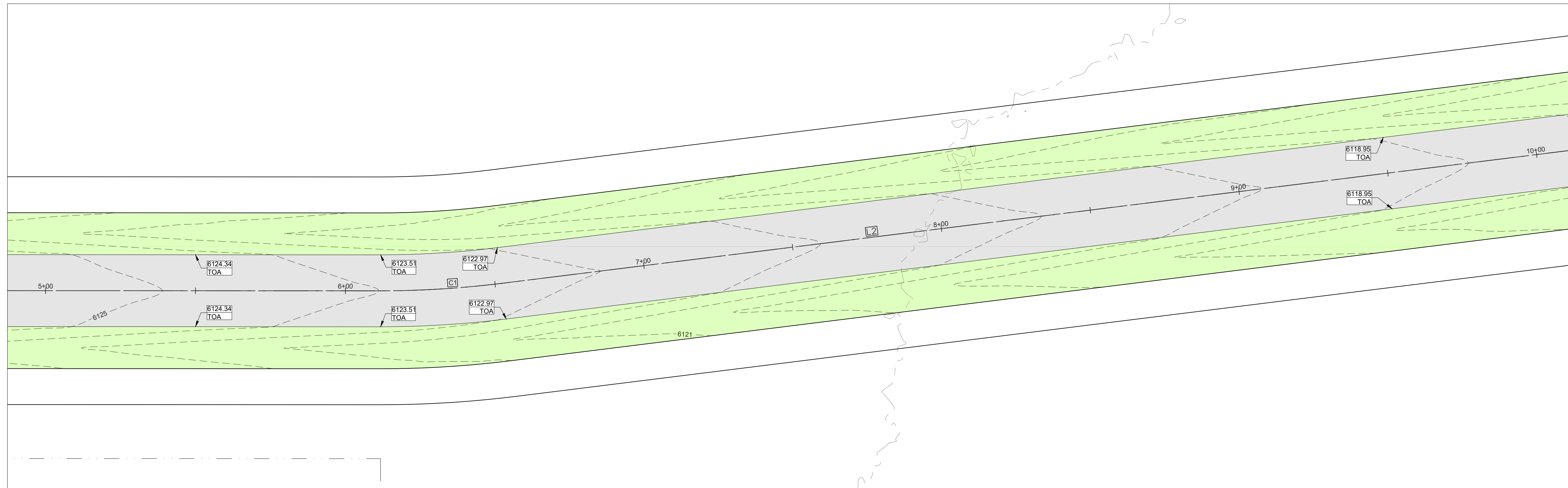
SHEET NAME:	CADDIS RD STA. 1+00 TO 5+00
PROJECT:	SKYLINE VIEW RANCH
LOCATION:	TETON COUNTY, ID



SHEET INFORMATION	
JOB NO:	2021-105
DATE:	January 26, 2024
SHEET SIZE:	24X36
VERTICAL EXAGGERATION:	1V = 10 H
PROJECT CONTACT:	BARRY BAME CONNECT ENGINEERING 208-881-0081

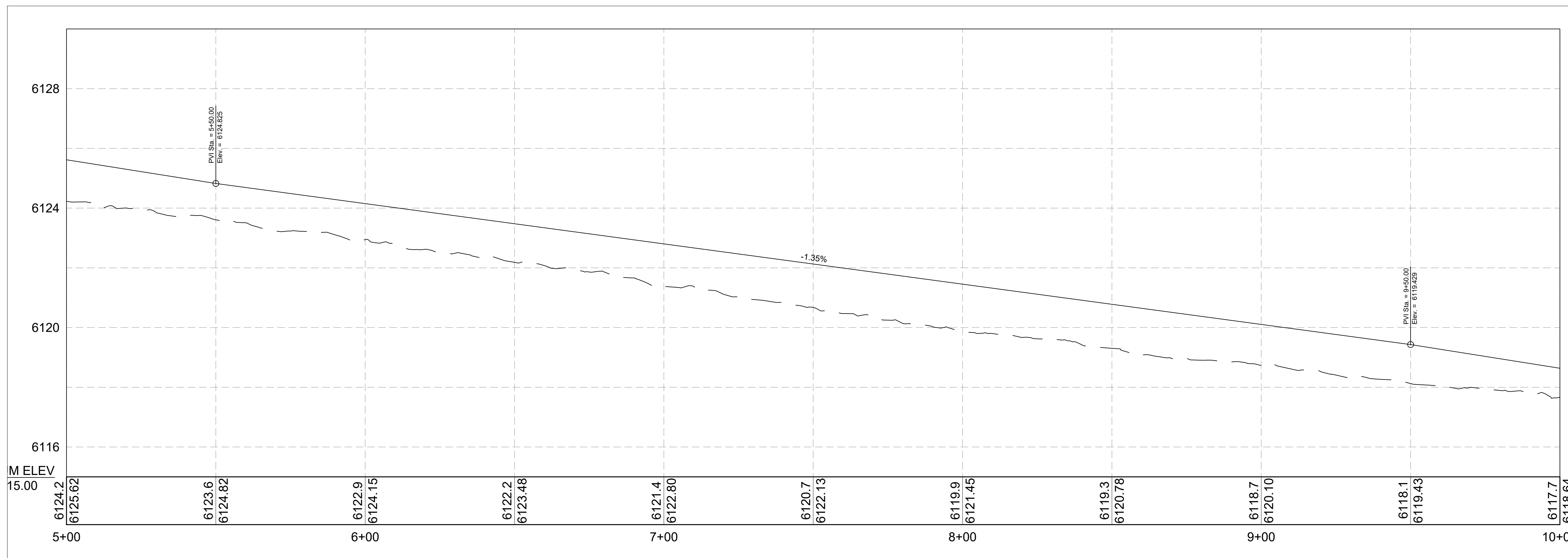


SHEET	C-6
OF	13
SHEETS	



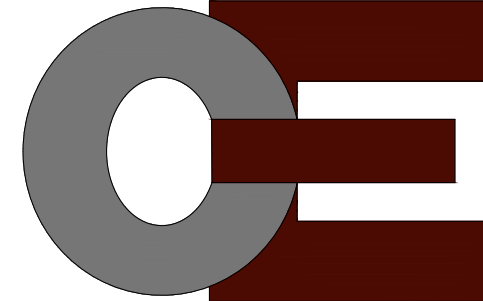
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 - 404-4 4" WATER SERVICE
- SEE SHEET 3 FOR MORE INFORMATION

PRIVATE RD - CADDIS DR S-N STA: 5+00 to 10+00 - PLAN VIEW

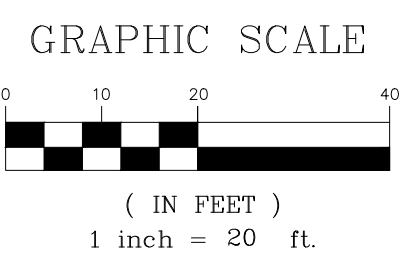
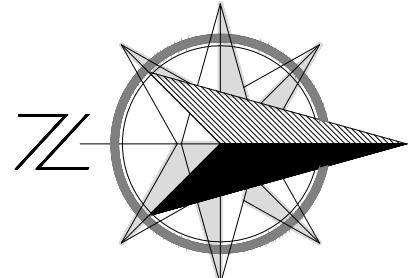


PRIVATE RD - CADDIS DR S-N STA: 5+00 to 10+00 - PROFILE VIEW

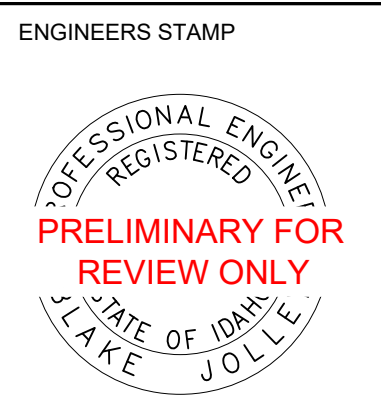
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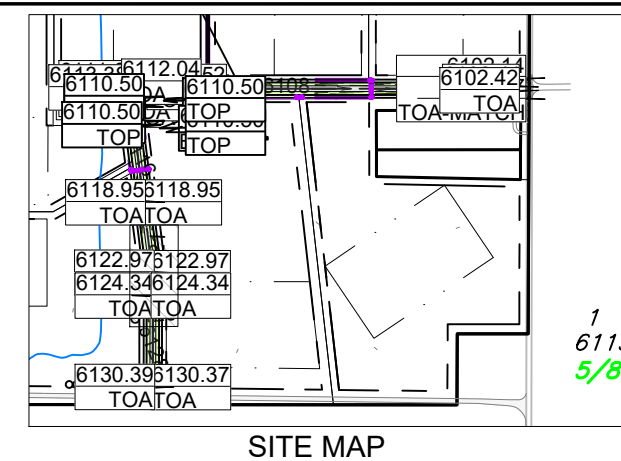
DRAWN BY	CHECK BY
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SHEET NAME:	CADDIS RD STA. 5+00 TO 10+00
PROJECT:	SKYLINE VIEW RANCH
LOCATION:	TETON COUNTY, ID

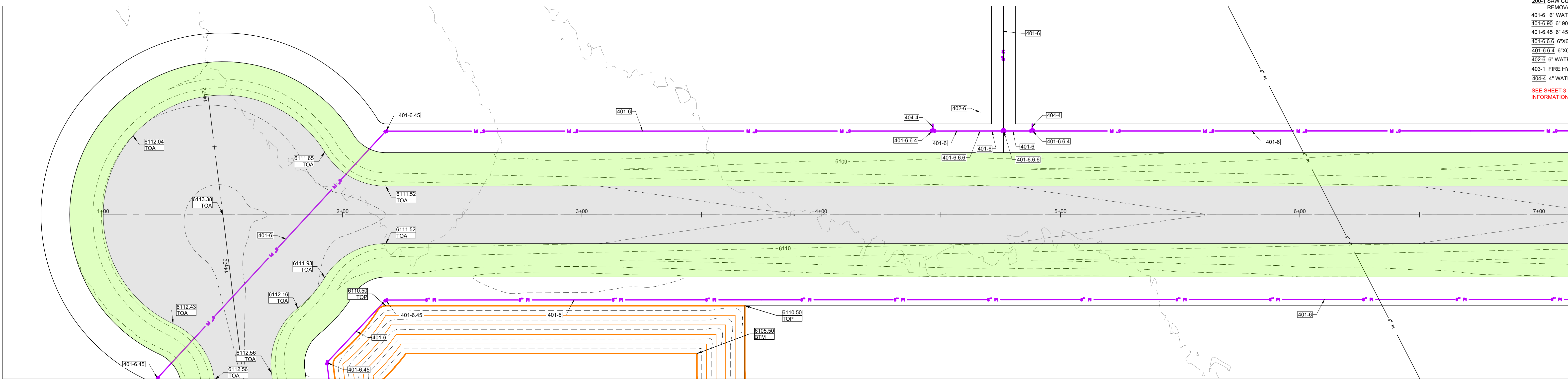


ENGINEERS STAMP	SHEET INFORMATION
	JOB NO: 2021-105
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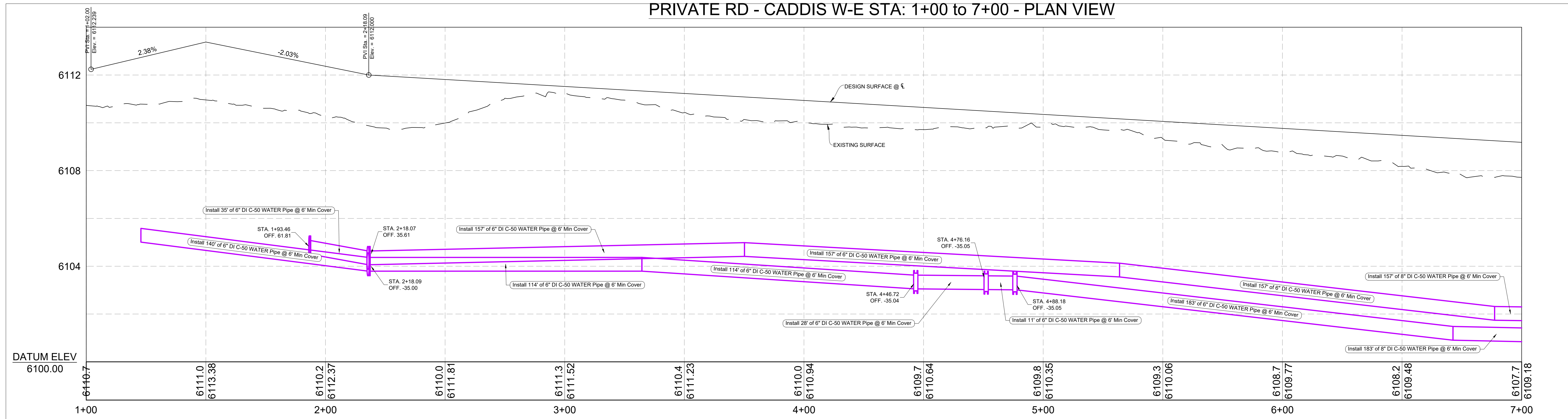


SHEET	C-7
OF	13
SHEETS	

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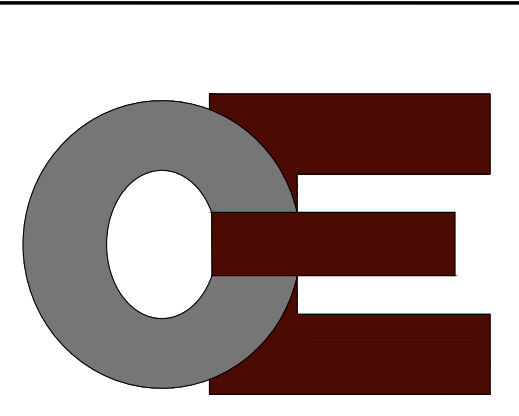


PRIVATE RD - CADDIS W-E STA: 1+00 to 7+00 - PLAN VIEW

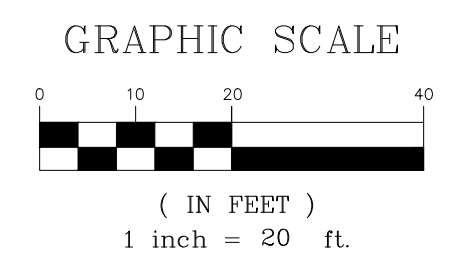
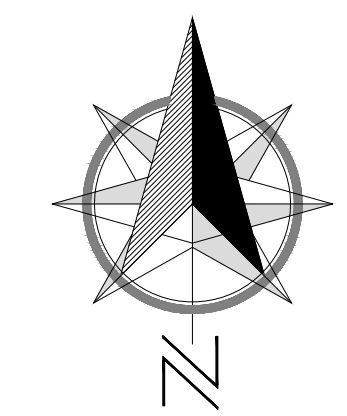


PRIVATE RD - CADDIS DR W-E STA: 1+00 to 7+00 - PROFILE VIEW

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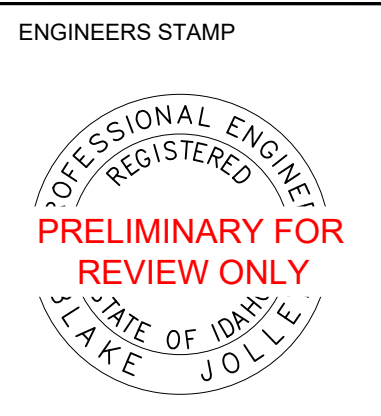
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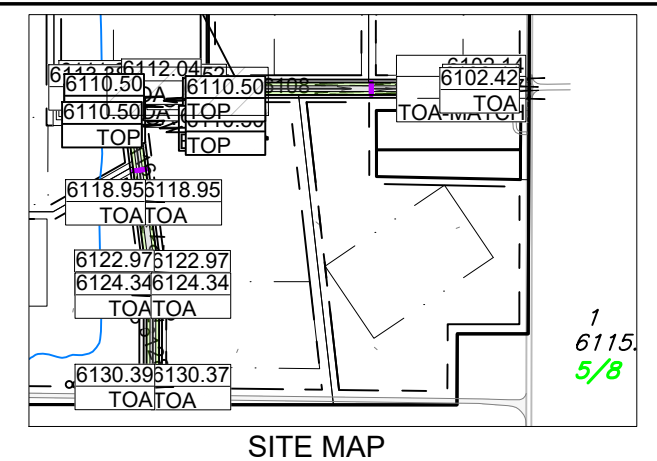
SHEET NAME: CADDIS RD STA. 1+00 TO 7+00

PROJECT: SKYLINE VIEW RANCH

LOCATION: TETON COUNTY, ID



SHEET INFORMATION	
JOB NO:	2021-105
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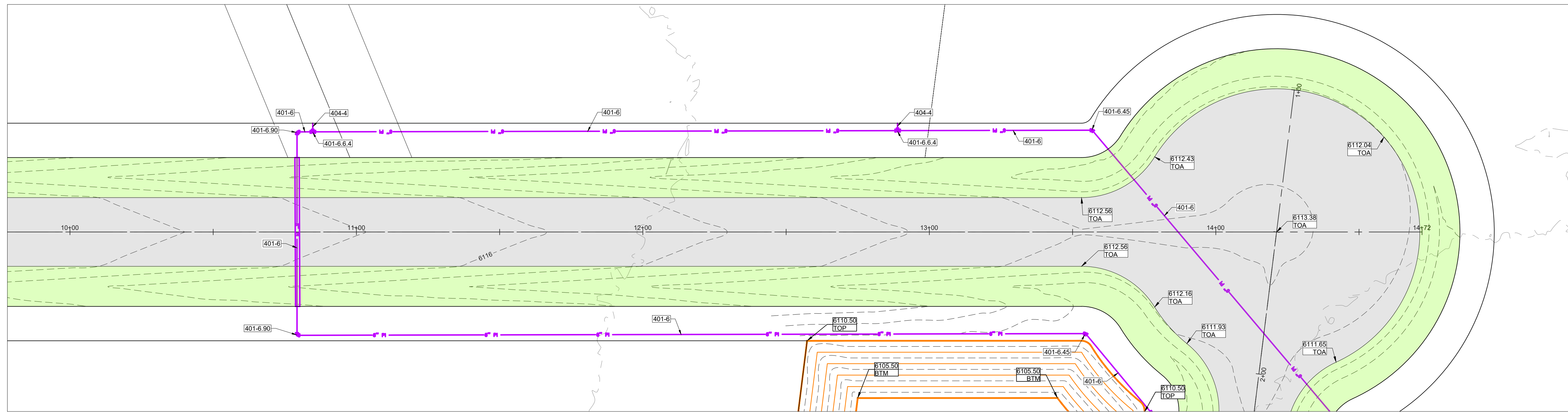
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C-9

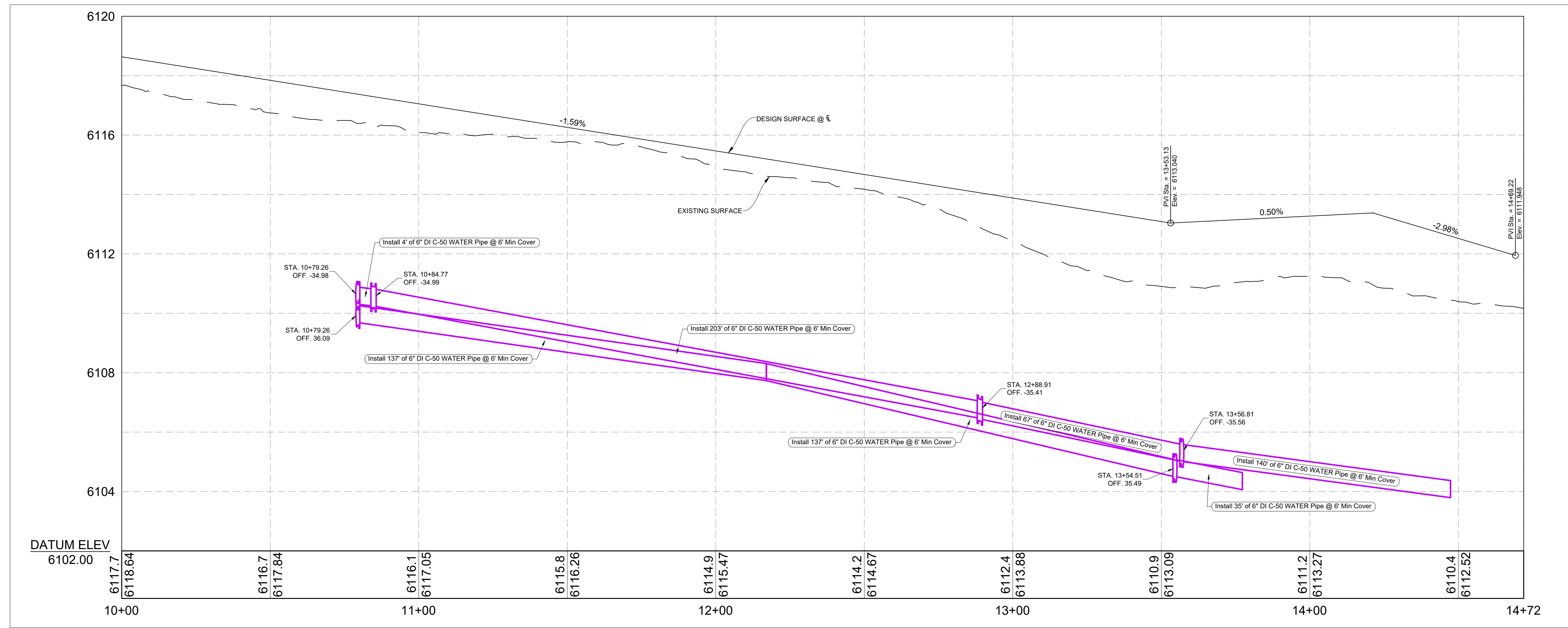
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OF SHEETS

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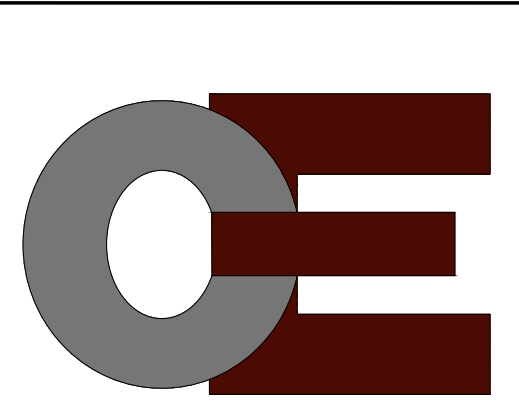


PRIVATE RD - CADDIS DR S-N STA: 10+00 to 14+72 - PLAN VIEW

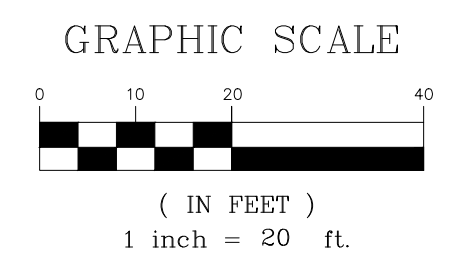
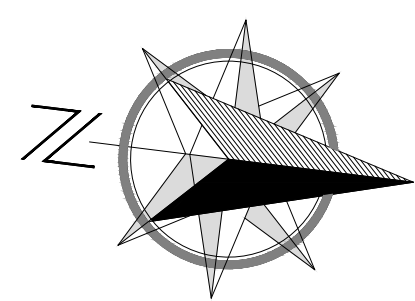


PRIVATE RD - CADDIS DR S-N STA: 10+00 to 14+72 - PROFILE VIEW

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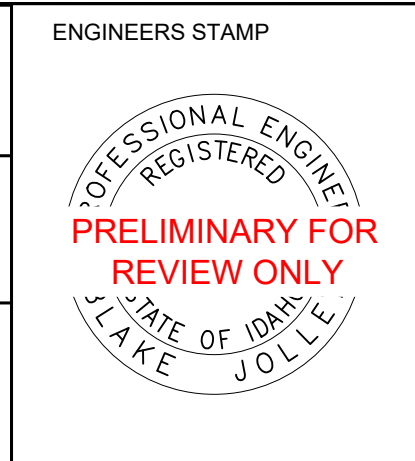
DRAWN BY	CHECK BY
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REVISIONS	DATE



SHEET NAME: CADDIS RD STA. 10+00 TO 14+72

PROJECT: SKYLINE VIEW RANCH

LOCATION: TETON COUNTY, ID



ENGINEERS STAMP

SHEET INFORMATION

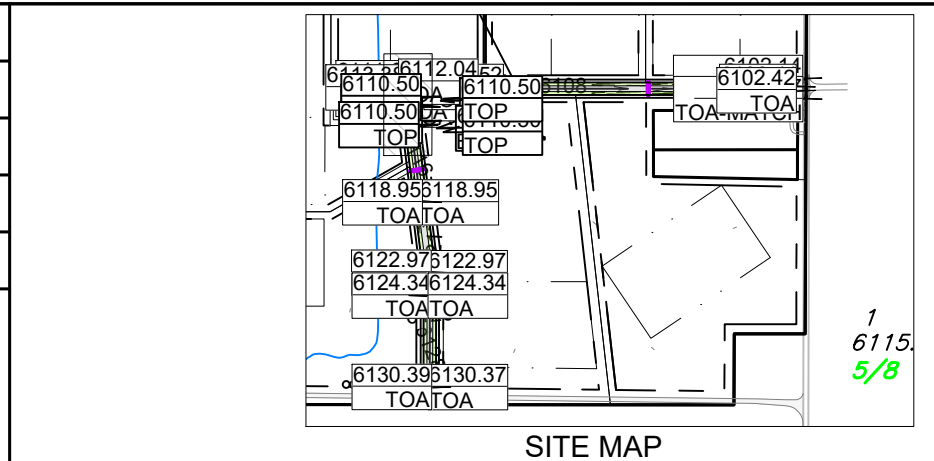
JOB NO: 2021-105

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SHEET SIZE: 24X36

VERTICAL EXAGGERATION: 1V = 10 H

PROJECT CONTACT: BARRY BAME, CONNECT ENGINEERING, 208-881-0081



SHEET

C-8

13

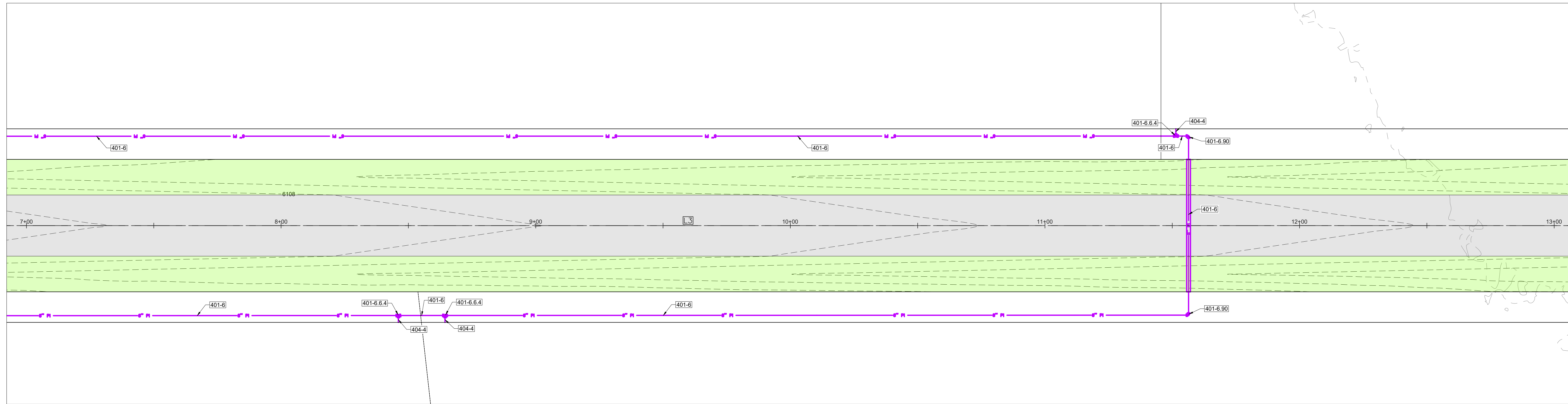
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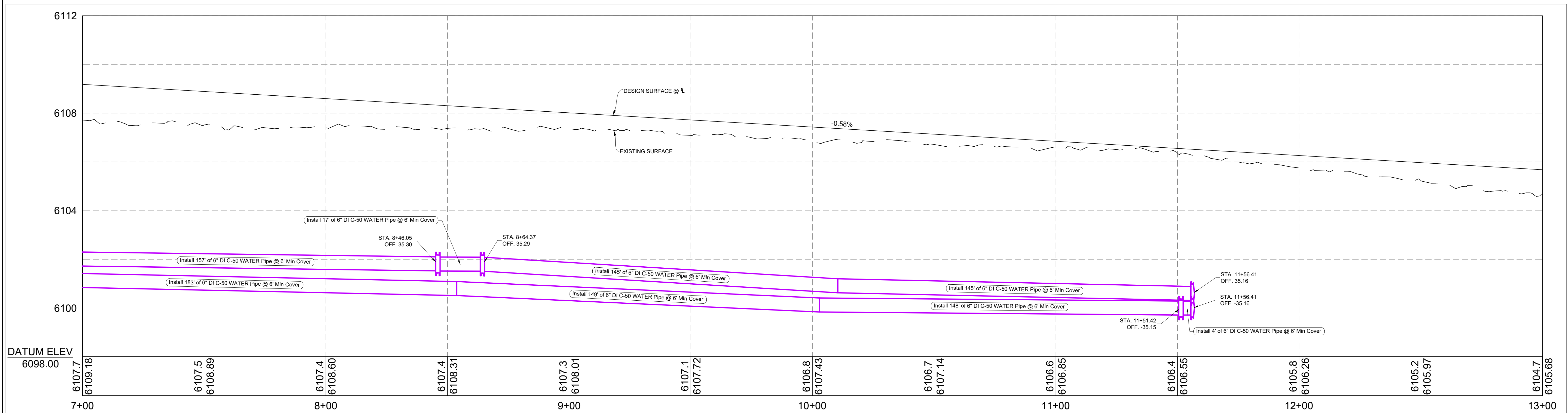
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PRIVATE RD - CADDIS DR W-E STA: 7+00 to 13+00 - PLAN VIEW

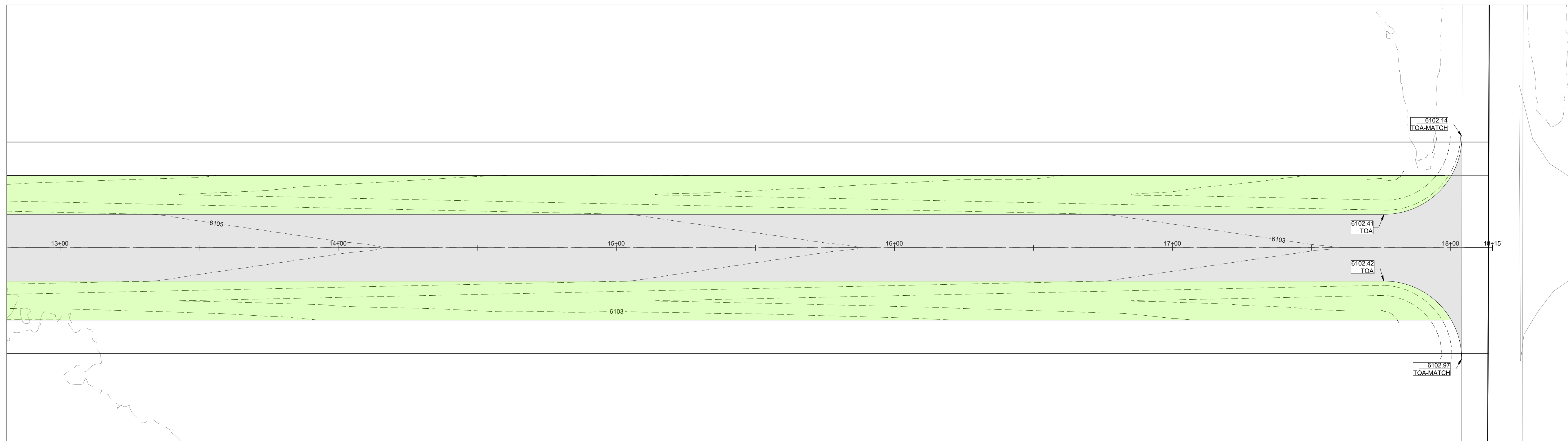


PRIVATE RD - CADDIS DR W-E STA: 7+00 to 13+00 - PROFILE VIEW

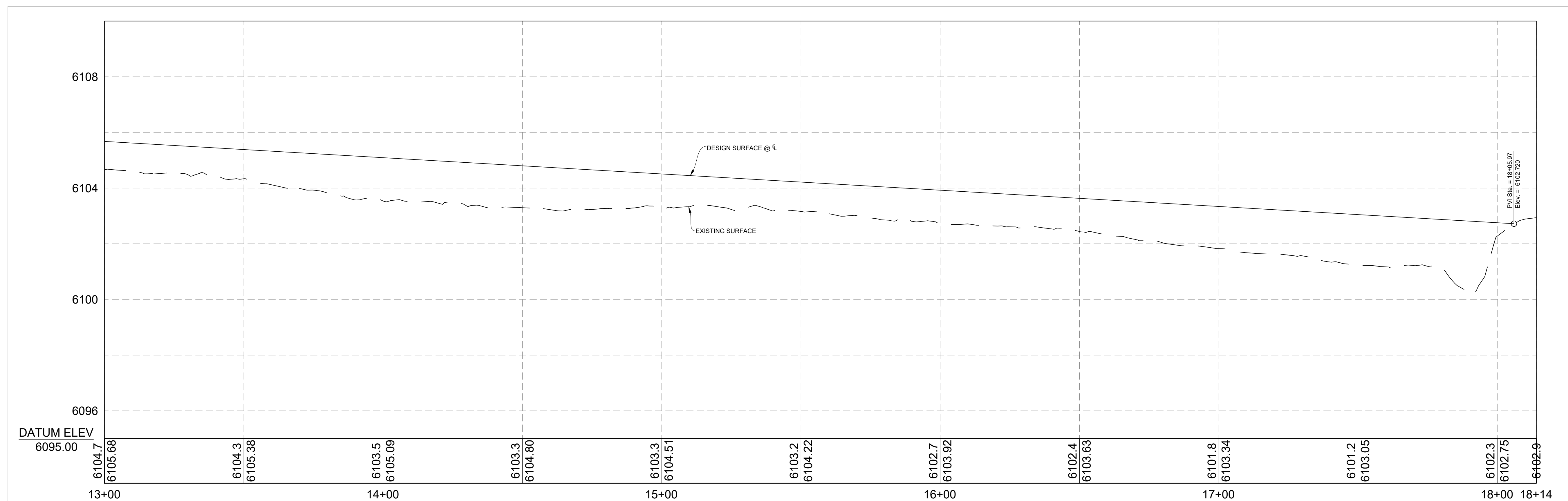
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 - 404-4 4" WATER SERVICE
- SEE SHEET 3 FOR MORE INFORMATION

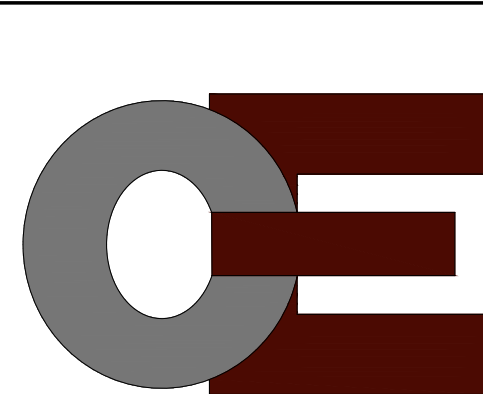


PRIVATE RD - CADDIS DR W-E STA: 13+00 to 18+14 - PLAN VIEW

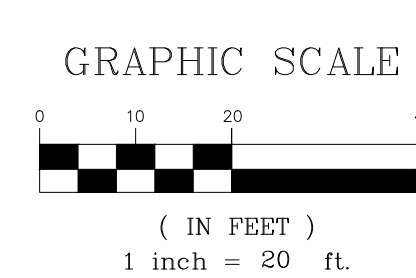
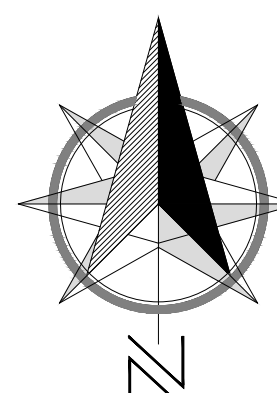


PRIVATE RD - CADDIS DR W-E STA: 13+00 to 18+14 - PROFILE VIEW

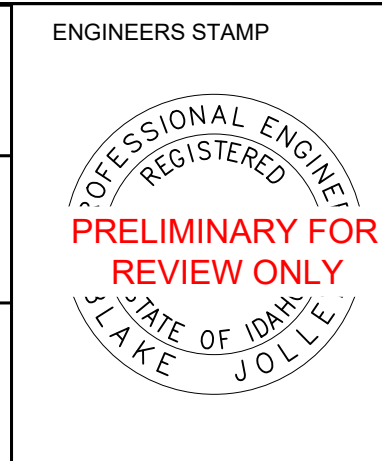
- NOTE:
1. CONTRACTOR TO VERIFY ALL EXISTING UTILITY LOCATIONS AND COORDINATE WITH EACH UTILITY COMPANY. PRIOR TO CONNECTING ANY PROPOSED UTILITIES.
 2. ENSURE 10' MINIMUM HORIZONTAL CLEARANCE BETWEEN ALL POTABLE AND NON-POTABLE LINES ARE MET PER IDEO AND CITY OF IDAHO FALLS STANDARDS. IF MANHOLES ARE IN AN ASPHALT PAVED AREA THE COLLARS ARE TO BE ASPHALT COLLARS
 3. ENSURE 18" MINIMUM VERTICAL CLEARANCE BETWEEN ALL POTABLE AND NON-POTABLE LINES ARE MET PER IDEO AND CITY OF IDAHO FALLS STANDARDS.
 4. ASSUMED TOP OF FOUNDATION WALL IS FINISHED FLOOR. CONTRACTOR TO NOTIFY ENGINEER IF DIFFERENT.



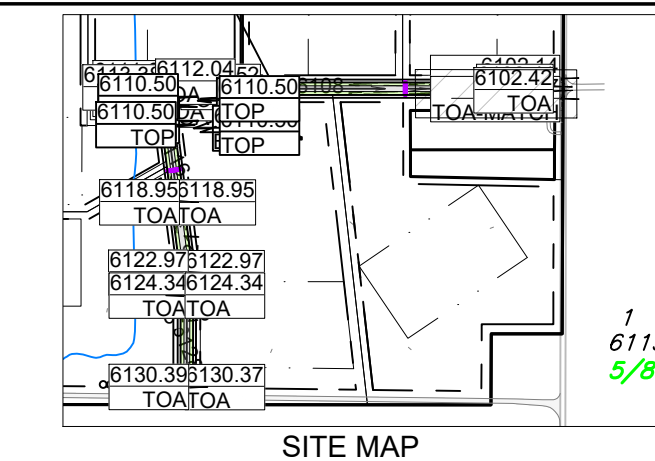
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MAK / AQT	BDJ
REVISIONS	DATE



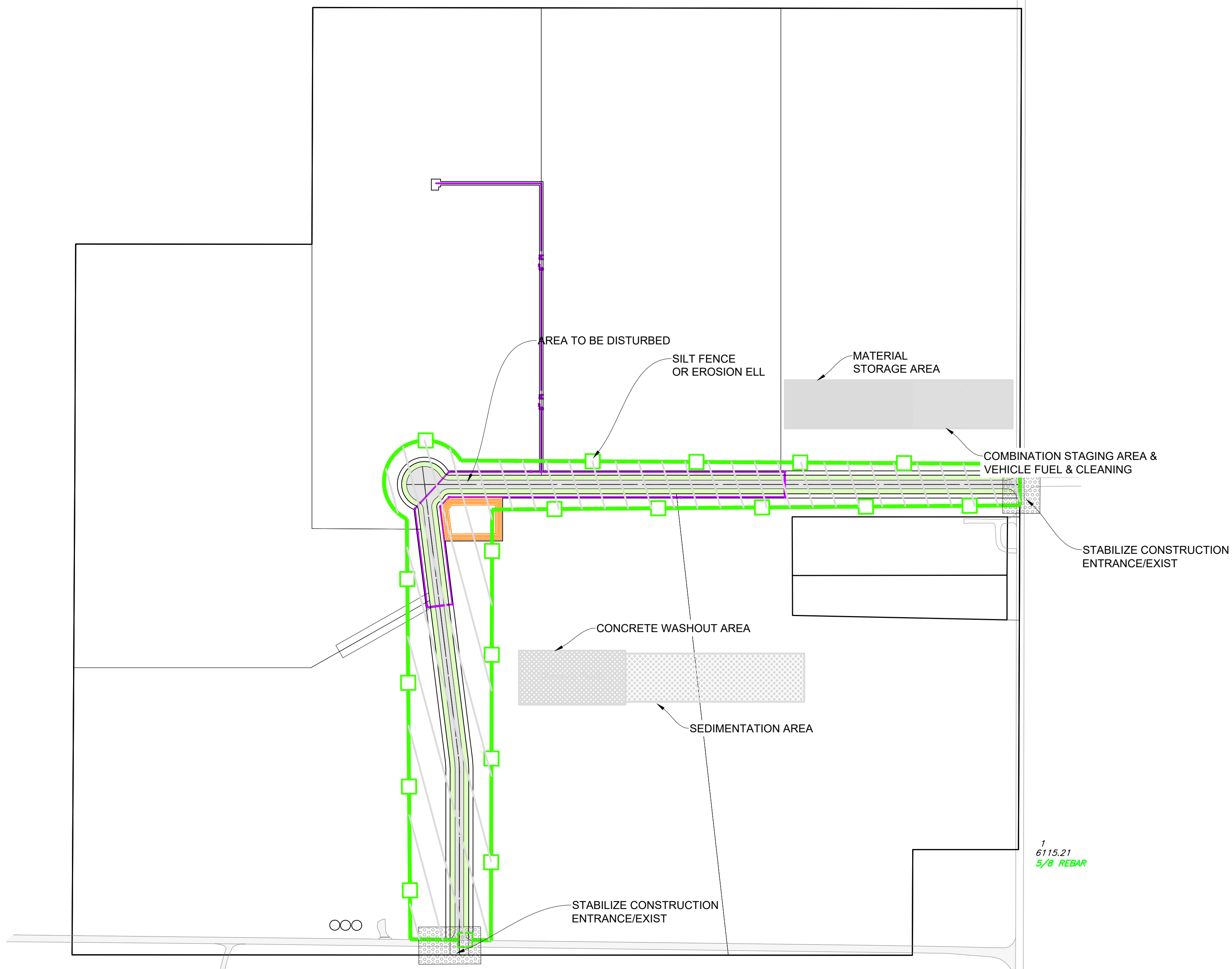
SHEET NAME:	CADDIS RD STA. 13+00 TO 18+14
PROJECT:	SKYLINE VIEW RANCH
LOCATION:	TETON COUNTY, ID



ENGINEERS STAMP	SHEET INFORMATION
	JOB NO: 2021-105
	DATE: January 26, 2024
	SHEET SIZE: 24X36
	VERTICAL EXAGGERATION: 1V = 10 H
	PROJECT CONTACT:
	BARRY BAME
	CONNECT ENGINEERING
	208-881-0081



SHEET	C-11
OF	13
SHEETS	



BEST MANAGEMENT PRACTICES NOTES

- This plan should be revised and updated to address changes in site conditions, new or revised government regulations, and additional on-site storm water pollution. Additional erosion control measures may be required.
- All revisions to this plan must be documented on the SWPPP Revision Documentation Form.
- Current versions of the SWPPP, the NOI, and the NOC will be kept on site for the duration of the project. These items will be available for the use of all operators and site personal involved with erosion and sediment controls, and be available to EPA visiting the site. A notice will be posted near the construction entrance during construction, containing the SWPPP, the NOI and the NOC.
- Fugitive dust blowing from the site shall be controlled by spraying water and dust control polymers as needed on dry areas of the site.
- The contractor will be responsible for supervision and inspection of all erosion and sedimentation controls and for ensuring the SWPPP is implemented.
- Prior to beginning earth-moving activities, including clearing and grubbing, all clearing limits, easements, setbacks, sensitive areas and their buffers will be clearly marked to prevent environmental damage both on and off the site.
- If sediment is accidentally transported on to the street it will be removed from the street surface on a daily basis.
- All off-site construction shall be stabilized at the end of the working day.
- All waste material will be collected and stored in a securely lidded dumpster. The dumpster will meet all local and state solid water management regulations.
- Portable sanitary units will be provided for use by all workers for the entire project. Sanitary waste will be collected regularly for the portable units by an approved sanitary waste management contractor.
- All exposed soils will be stabilized with vegetation or covered no more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased.
- Existing and new vegetation will be maintained to the maximum extent practicable to prevent the contamination of storm water with sediment.
- The contractor shall be responsible for adjusting the erosion control measures, due to grade changes during the development of the project.
- Maintain on the site or have readily available sufficient oil and grease absorbing materials to contain and clean up fuel or chemical spills and leaks.

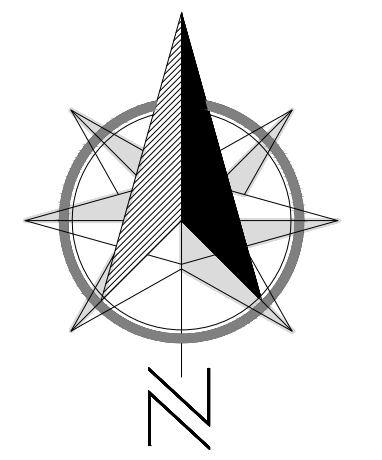
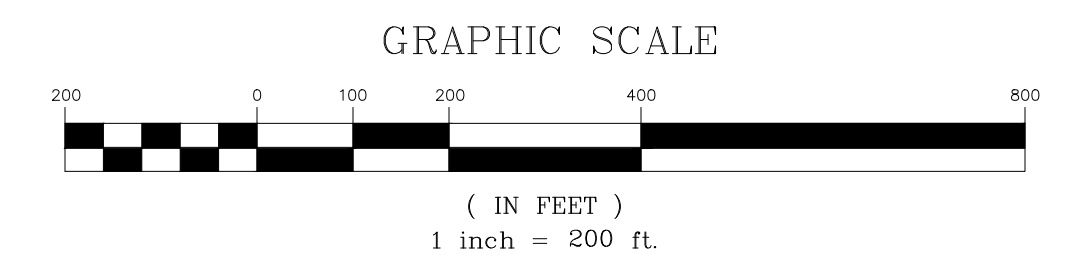
- Adequate energy dissipation, erosion control, and soil stabilization measures will be provided for all point source discharges of storm water, including run-on discharges and outlets for onsite discharges.
- Temporary and permanent swells and small detention ponds will be used as necessary to reduce the velocity of runoff and enhance particle settling.
- Consistent with the general permit requirements, all potential pollutants other than sediment will be handled and disposed of in a manner that does not affect contamination of stormwater.
- Materials used during construction with the potential to impact storm water, will be stored, managed, used, and disposed of in a manner that minimizes the potential for releases to the environment and especially in the storm water.
- If a spill of pollutants threatens storm water at the site, the spill response procedures must be implemented in a timely manner to prevent the release of pollutants.
- All temporary and permanent erosion and sediment control BMPs will be maintained and repaired as needed to assure continued performance of their intended use.
- All temporary erosion control and sediment control BMPs will be removed within 30 days after final site stabilization is achieved or after the temporary BMPs are no longer needed.
- Regardless of recommended maintenance schedule, all control measures and inspections shall be performed within 24 hours following any storm of 0.5 inches or greater. An inspection report shall be kept at all times and should be retained for at least three (3) years from the date the site is stabilized.
- All contractors providing services on the project which may cause storm water pollution will be given a copy of the SWPPP and appropriate training regarding stormwater pollution prevention.

NOTE:

- AFTER ASPHALT PAVING HAS TAKEN PLACE STORM WATER DEVELOPED WILL BE DIRECTED TO RETENTION BASINS AND PIPING PER THE APPROVED SITE PLAN AND PERCOLATE IN DESIGNATED AREAS
- INLET PROTECTION TO BE PLACED ON ALL STORM DRAIN INLETS AFTER INSTALLATION THROUGH THE DURATION OF THE PROJECT, CONTRACTOR RESPONSIBLE TO REMOVE AFTER CITY ACCEPTANCE.

LEGEND

- STORM WATER DRAINAGE
- AREA TO BE DISTURBED
- STABILIZE CONSTRUCTION ENTRANCE/EXIT
- COMBINATION STAGING AREA & VEHICLE EQUIPMENT CLEANING, FUELING AND MAIN.
- MATERIALS STORAGE AREA & STOCKPILE MANAGEMENT
- SILT FENCE OR EROSION EEL
- SEDIMENTATION AREA
- CONCRETE WASHOUT
- INLET PROTECTION



OFFSITE OPERATIONS	
START DATE	END DATE

TO BE FILLED OUT BY CONTRACTOR

SEQUENCE OF MAJOR ACTIVITIES		
ACTIVITY	START DATE	END DATE

TO BE FILLED OUT BY CONTRACTOR

POTENTIAL POLLUTANTS		
CHEMICAL	MSDS #	LOCATION

TO BE FILLED OUT BY CONTRACTOR

DRAWN BY MAK / AQT	CHECK BY BDJ
REVISIONS	DATE

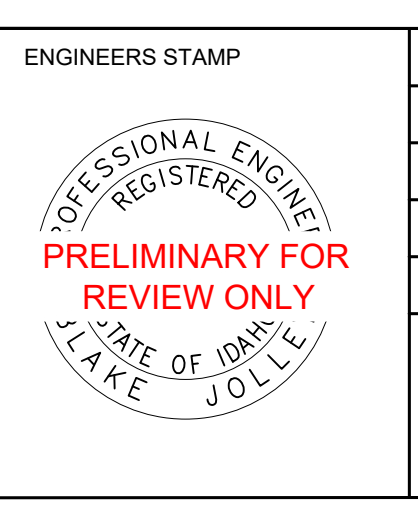
THIS IS NOT A FULL SWPPP. OWNER OR CONTRACTOR IS RESPONSIBLE FOR A COMPLETE SWPPP



SHEET NAME: **BEST MANAGEMENT PRACTICES**

PROJECT: **SKYLINE VIEW RANCH**

LOCATION: **TETON COUNTY, ID**



ENGINEERS STAMP

SHEET INFORMATION

JOB NO: 2021-105

DATE: January 26, 2024

SHEET SIZE: 24X36

VERTICAL EXAGGERATION: 1V = 10 H

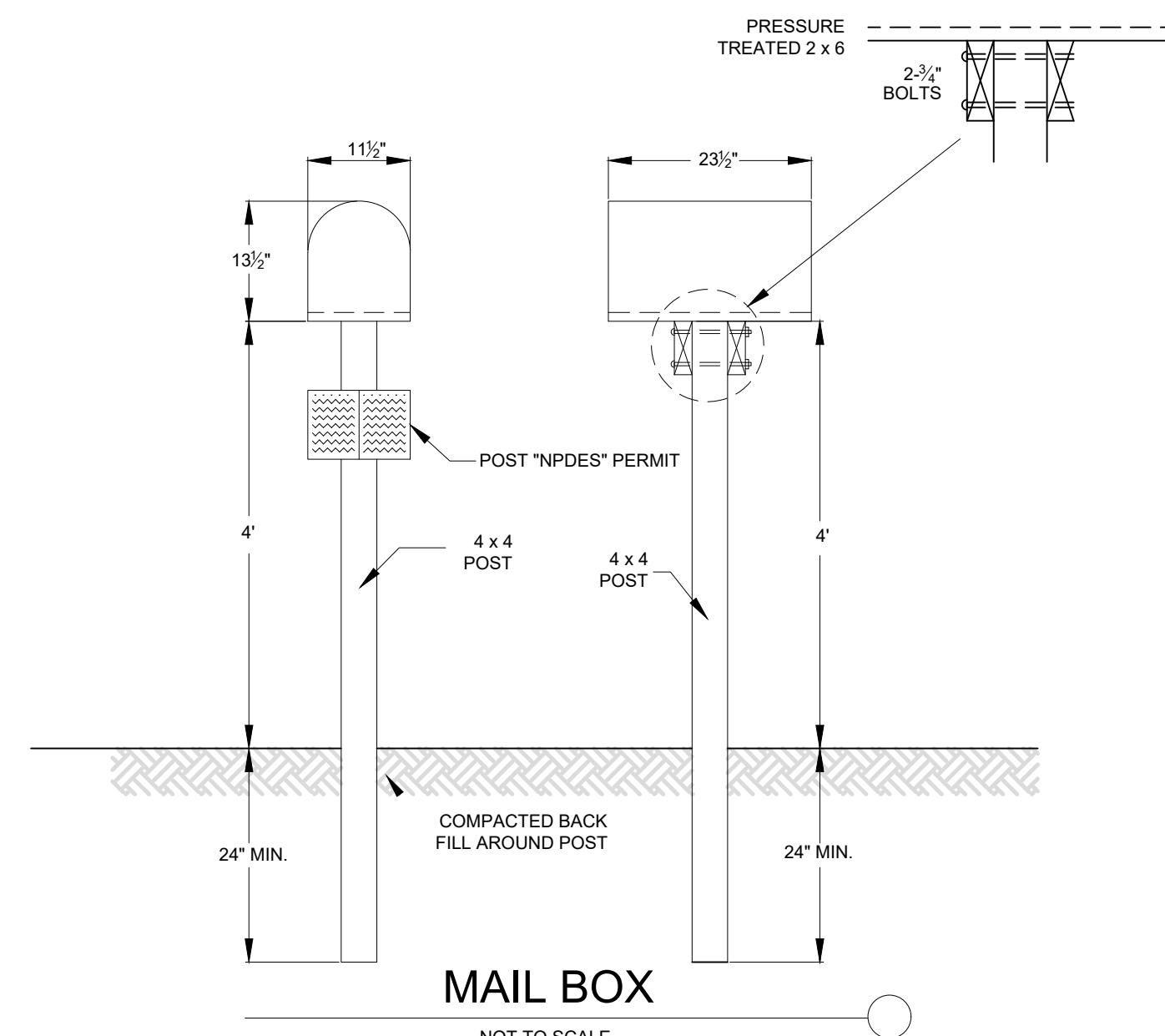
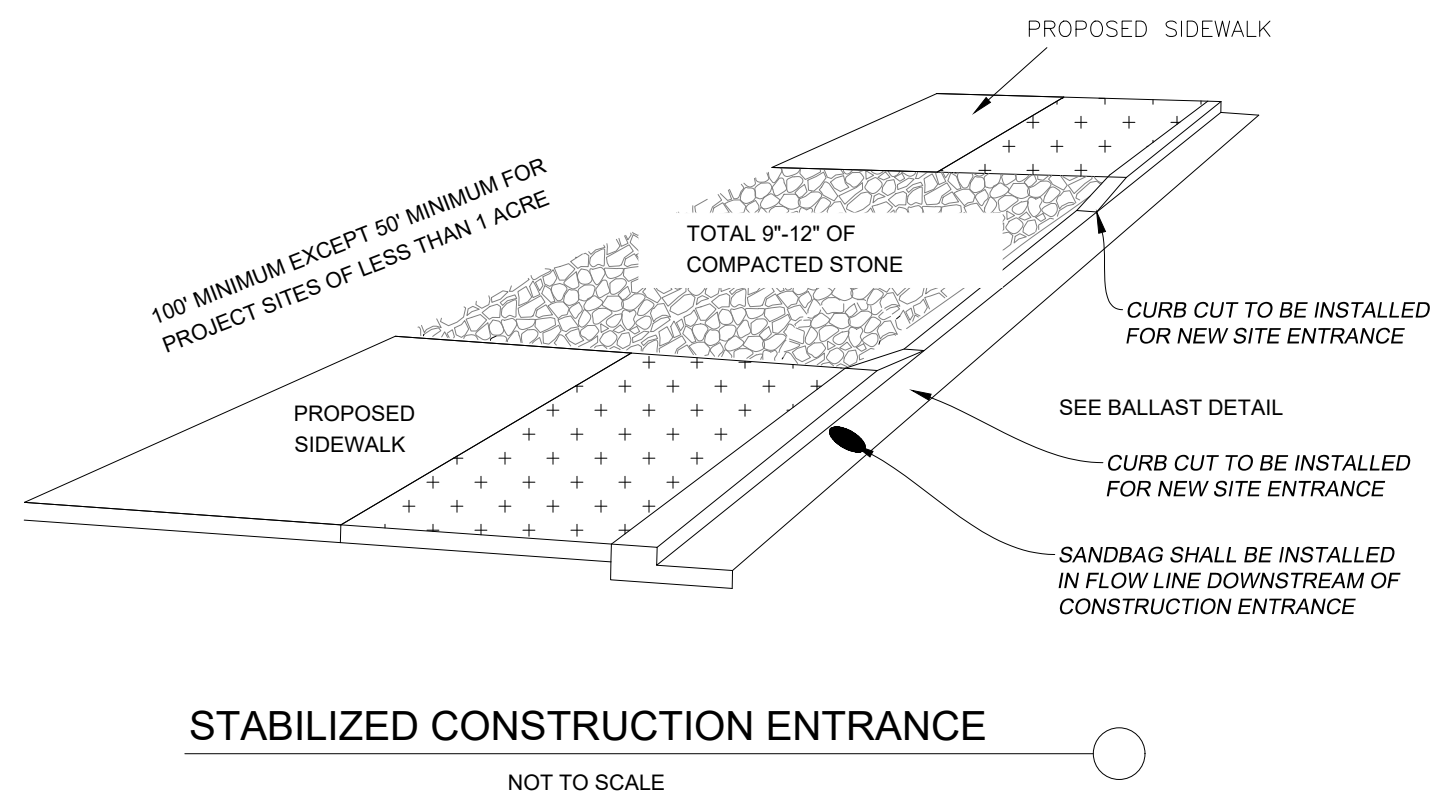
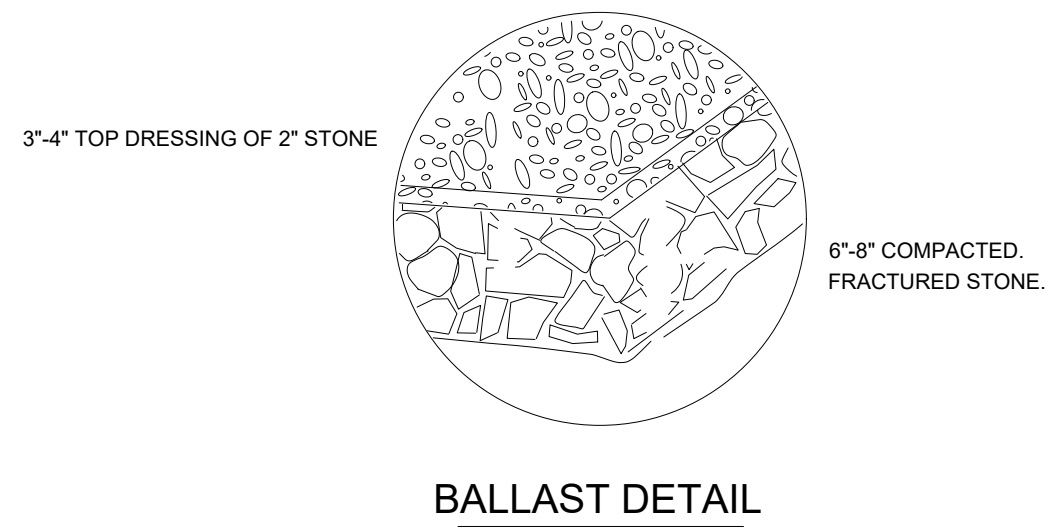
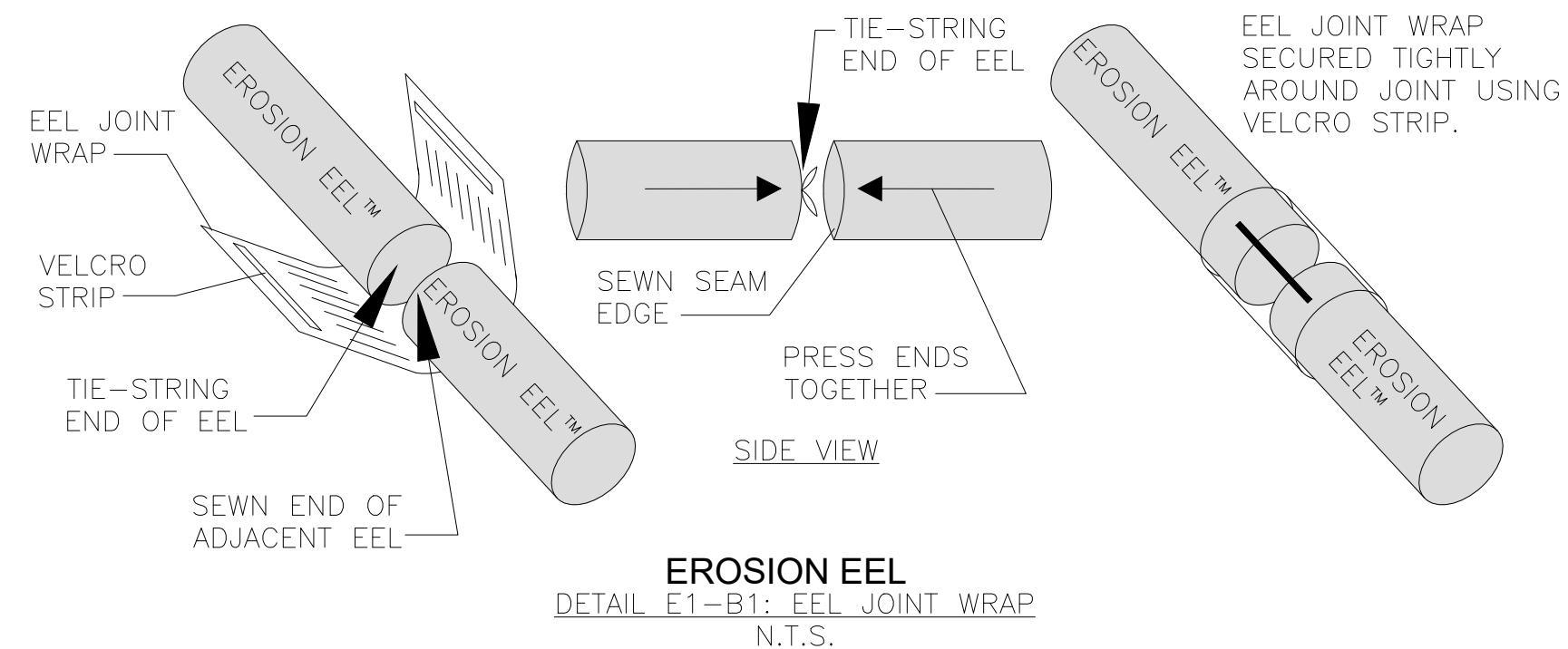
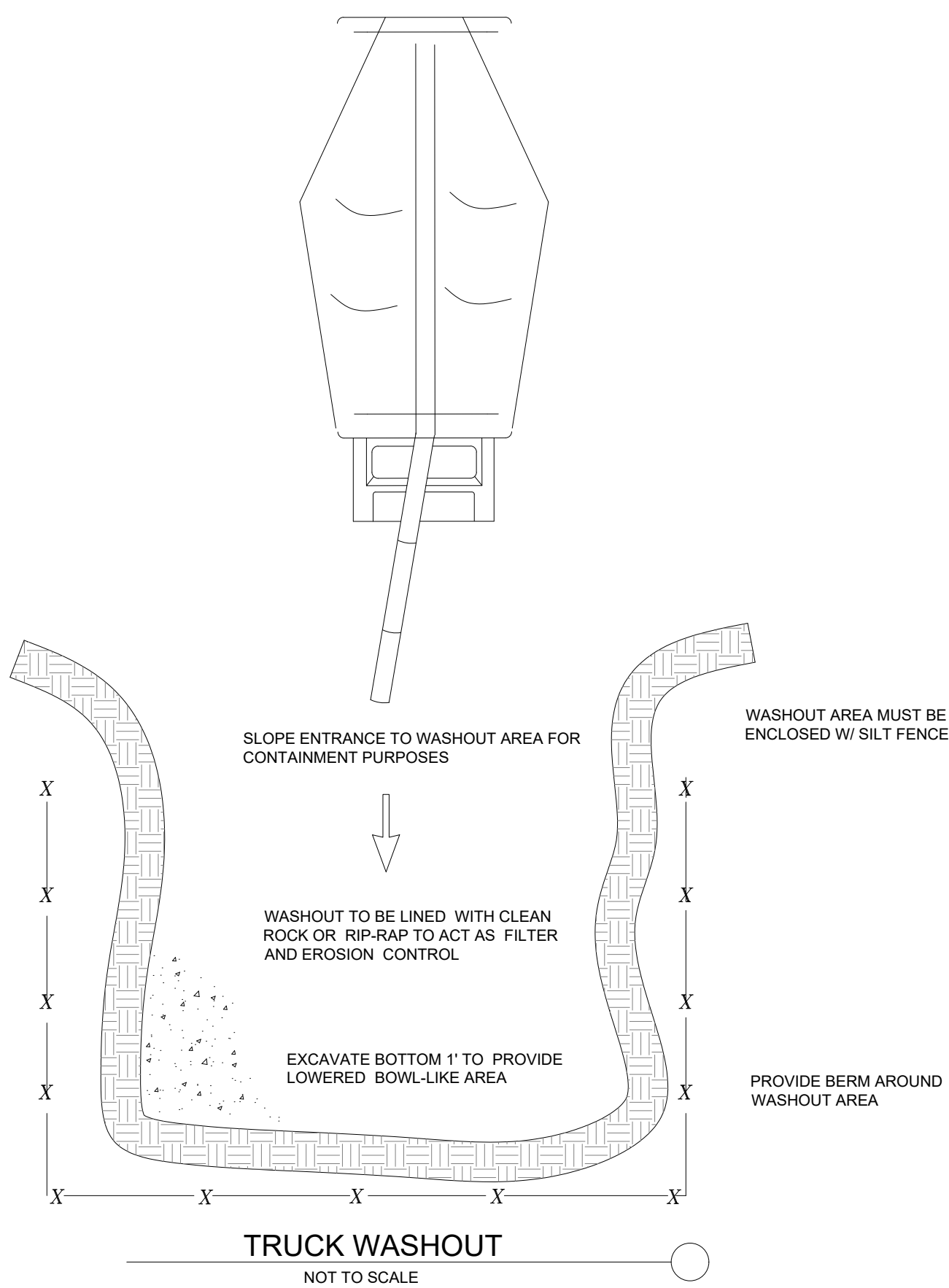
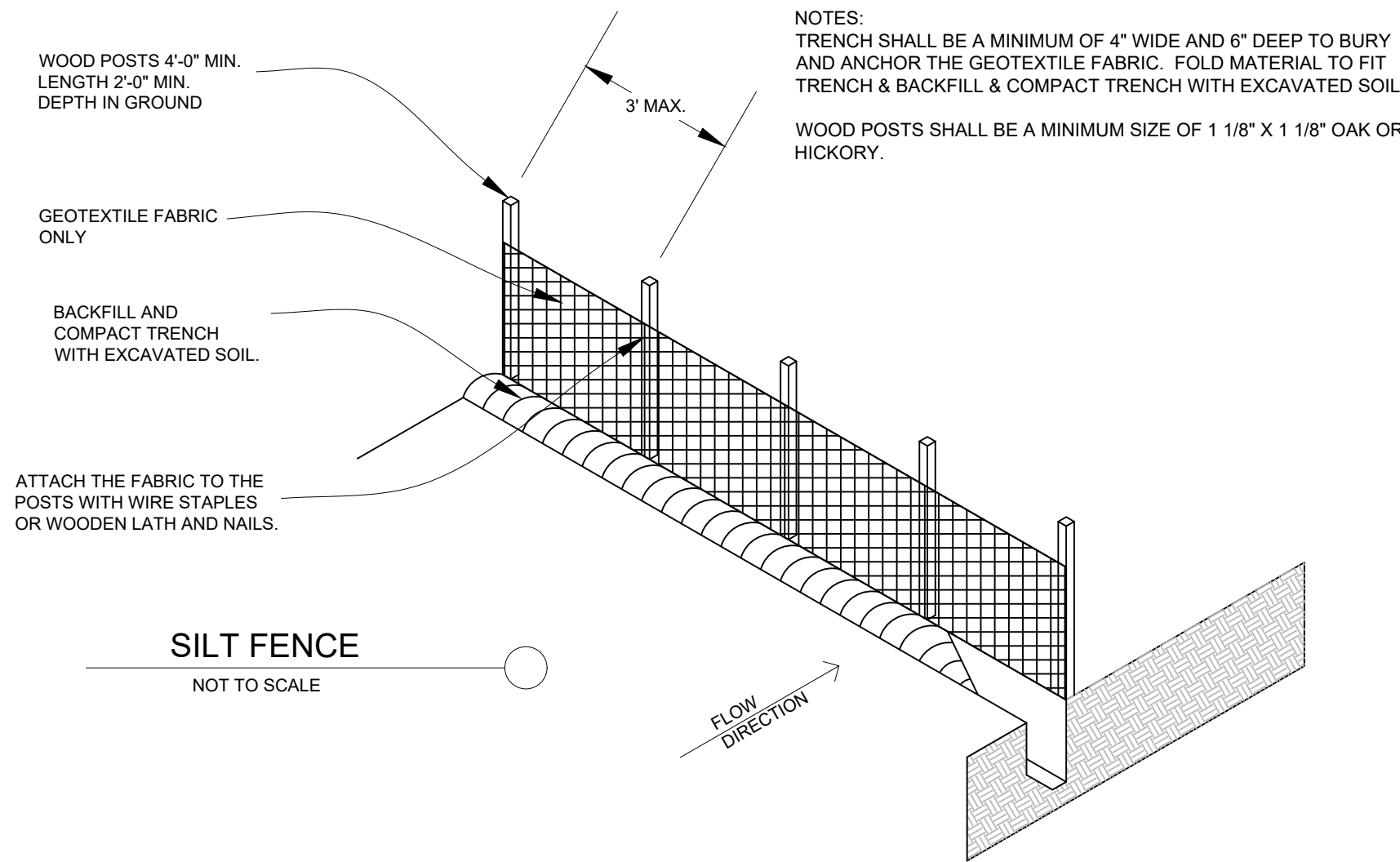
PROJECT CONTACT:
BARRY BAME
CONNECT ENGINEERING
208-881-0081

SHEET

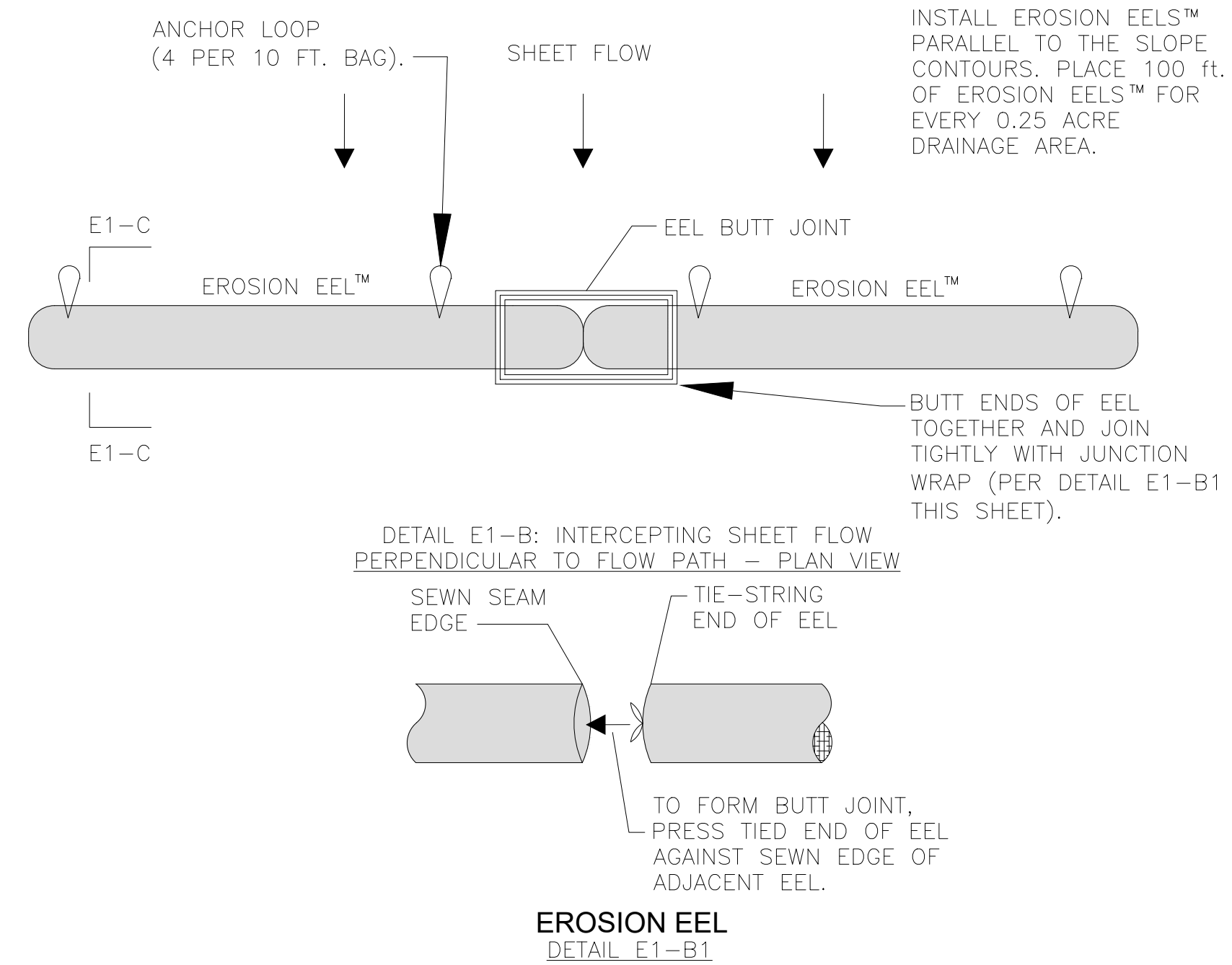
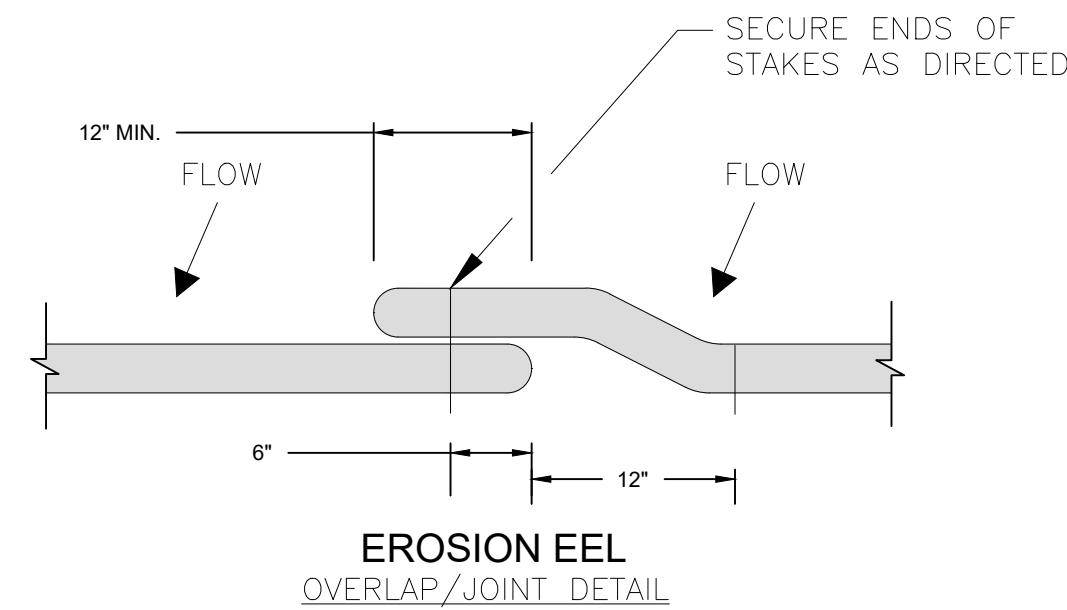
C-12

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OF SHEETS



- NOTES:
- MAILBOX SHALL CONTAIN AT ALL TIMES:
 - CITY APPROVED CONSTRUCTION PLANS
 - DEQ APPROVED CONSTRUCTION PLANS
 - ANY SITE INSPECTOR FORMS
 - MAILBOX SHALL BE LOCKED AT ALL TIMES



GENERAL NOTES:

- EROSION EELS USED IN PERIMETER CONTROL APPLICATIONS SHALL HAVE A SPECIFICATION MIXTURE 1.1 OR 1.2.
 - MIXTURE SPECIFICATION 1.1. A FILTER MIXTURE COMPRISED OF 50% SHREDDED RUBBER AND 50% WOOD CHIP PARTICLES BY VOLUME. THE SHREDDED RUBBER SHALL BE WASHED AND PROCESSED TO REMOVE MOST, IF NOT ALL, METAL COMPONENTS. THE RUBBER SHALL BE DERIVED FROM RECYCLED TIRES AND SHALL BE SHREDDED TO PRODUCE A MAXIMUM PARTICLE SIZE OF +/- 3/4 INCH. THE WOOD CHIPS SHALL BE PRODUCED FROM HARDWOOD TREES AND SHALL CONFIRM TO AASHTO CERTIFICATION SPECIFICATION MP 9-03.
 - MIXTURE SPECIFICATION 1.2. A FILTER MIXTURE COMPRISED OF 1/3 SHREDDED RUBBER, 1/3 WOOD CHIPS, AND 1/3 RECYCLED SYNTHETIC FIBERS. THE SHREDDED RUBBER SHALL BE WASHED AND PROCESSED TO REMOVE MOST, IF NOT ALL, METAL COMPONENTS. THE RUBBER SHALL BE DERIVED FROM RECYCLED TIRES AND SHALL BE SHREDDED TO PRODUCE A MAXIMUM PARTICLE SIZE OF +/- 3/4 INCH. THE WOOD CHIPS SHALL BE PRODUCED FROM HARDWOOD TREES AND SHALL CONFIRM TO AASHTO CERTIFICATION SPECIFICATION MP 9-03. THE SYNTHETIC FIBERS SHALL BE PRODUCED FROM RECYCLED, MANUFACTURED MATERIALS, SUCH AS, BUT NOT LIMITED TO, PRE-CONSUMER SCRAP CARPET, TIRE CHORD, AND TIRE FIBER MATERIALS.
- EROSION EELS SHALL BE MANUFACTURED FROM A WOVEN GEOTEXTILE COVERING WITH INTERIOR FILTER MATERIALS SUCH AS 100% SHREDDED RUBBER (MIXTURE SPECIFICATION 1.0, 50% SHREDDED RUBBER/50% AASHTO-CERTIFIED WOOD CHIPS (MIXTURE SPECIFICATION 1.1).
- LENGTHS OF EROSION EELS SHALL BE EITHER A NOMINAL +/-10 FT. OR +/- 4.5 FT. NOMINAL DIAMETER SHALL BE +/-9.5 INCHES.
- EROSION EELS CAN BE PLACED AT THE TOP, ON THE FACE, OR AT THE TOE OF SLOPES TO INTERCEPT RUNOFF, REDUCE FLOW VELOCITY, RELEASE THE RUNOFF AS SHEET FLOW AND PROVIDE REMOVAL OF SEDIMENT FROM THE RUNOFF.
- EROSION EELS SHALL BE INSTALLED ALONG THE GROUND CONTOUR, AT THE TOE OF SLOPES, AT AN ANGLE TO THE CONTOUR TO DIRECT FLOW AS A DIVERSION BERM, AROUND INLET STRUCTURES, IN A DITCH AS A CHECK DAM TO HELP REDUCE SUSPENDED SOLIDS LOADING AND RETAIN SEDIMENT, OR AS A GENERAL FILTER FOR ANY DISTURBED SOIL AREA.
- NO TRENCHING IS REQUIRED FOR INSTALLATION OF EROSION EELS
- PREPARE BED FOR EEL INSTALLATION BY REMOVING ANY LARGE DEBRIS INCLUDING ROCKS, SOIL CLODS, AND WOODY VEGETATION. EROSION EELS CAN ALSO BE PLACED OVER PAVED SURFACES INCLUDING CONCRETE AND ASPHALT WITH NO SURFACE PREPARATION REQUIRED.
- RAKE BED AREA WITH A HAND RAKE OR BY DRAG HARROW.
- DO NOT PLACE EEL DIRECTLY OVER RILL AND GULLIES UNTIL AREA HAS BEEN HAND-EXCAVATED AND RAKED TO PROVIDE A LEVEL BEDDING SURFACE. ALL SURFACES SHALL BE UNIFORMLY COMPACTED FOR MAXIMUM SEATING OF EELS IN PLACE.
- FOR LOCATIONS WHERE EELS WILL BE PLACED IN CONCENTRATED FLOWS (SUCH AS CHECK DAMS, INLET PROTECTION) AND FOR PERIMETER CONTROLS AT PRIMARY DISCHARGE LOCATIONS, BED THE EELS IN A FLOCMAT CRADLE PER THE DETAILED DRAWINGS.
- FOR DITCH APPLICATIONS, THE MAXIMUM DRAINAGE AREA SHALL BE 10 ACRES.
- IF MORE THAN ONE EROSION EEL IS PLACED IN A ROW, THE EELS SHALL BE OVERLAPPED A MINIMUM OF 12 INCHES TO PREVENT FLOW AND SEDIMENT FROM PASSING THROUGH THE FIELD JOINT. COMPRESS THE TWO EELS OF THE OVERLAP TIGHTLY TOGETHER EITHER BY HAND OR MANUFACTURER-APPROVED MECHANIZED MEANS.
- WHEN USED IN DITCHES AS A CHECK DAM, EROSION EELS SHALL BE INSTALLED PER MANUFACTURER'S DETAILS.
- FOR CHECK DAM APPLICATIONS, EROSION EELS SHALL BE PLACED PERPENDICULAR TO THE FLOW OF THE WATER. EROSION EELS SHALL CONTINUE UP THE SIDES SLOPES A MINIMUM OF 3 FEET ABOVE THE DESIGN FLOW DEPTH.
- EROSION EELS SHALL REMAIN IN PLACE UNTIL FULLY ESTABLISHED VEGETATION HAS COMPLETELY DEVELOPED OR UNTIL THE STORAGE CAPACITY/FUNCTIONAL LIFE OF THE EEL HAS BEEN EXHAUSTED (REQUIRING REPLACEMENT WITH NEW EELS).
- ANCHORING POSTS FOR CHECK DAM APPLICATIONS SHALL HAVE A MINIMUM WEIGHT OF 1.25 LBS/FT STEEL T-POSTS (5 TO 7 FT. LENGTHS) ROLLED FROM HIGH CARBON STEEL. POSTS SHOULD BE HOT-DIP GALVANIZED OR COATED WITH A WEATHER-RESISTANT PAINT FOR STEEL APPLICATION. POSTS SHOULD BE EQUIPPED WITH A METAL ANCHOR PLATE. INSTALL PER DETAILS ON THIS SHEET.
- PLACE T-POSTS THROUGH HANDLE OF BAGS. DO NOT DRIVE POSTS THROUGH EROSION EELS. T-POSTS ARE TO BE EMBEDDED A MINIMUM OF 2 FT INTO GROUND.

	DRAWN BY	CHECK BY
	MAK / AQT	BDJ
REVISIONS	DATE	

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SHEET NAME:	BEST MANAGEMENT DETAILS
PROJECT:	SKYLINE VIEW RANCH
LOCATION:	TETON COUNTY, ID

ENGINEERS STAMP	SHEET INFORMATION
	JOB NO: 2021-105
	DATE: January 26, 2024
	SHEET SIZE: 24X36
	VERTICAL EXAGGERATION: 1V = 10 H
	PROJECT CONTACT: BARRY BAME CONNECT ENGINEERING 208-881-0081

SHEET	C-13
	13
OF	SHEETS