

PoDI / NHS	
FHWA PROJECT OF DIVISION INTEREST (PoDI)?	■ NO □ YES
NATIONAL HIGHWAY SYSTEM	■ NO □ YES

US 6 & HILLCREST ROUNDABOUT EAGLE COUNTY, CO

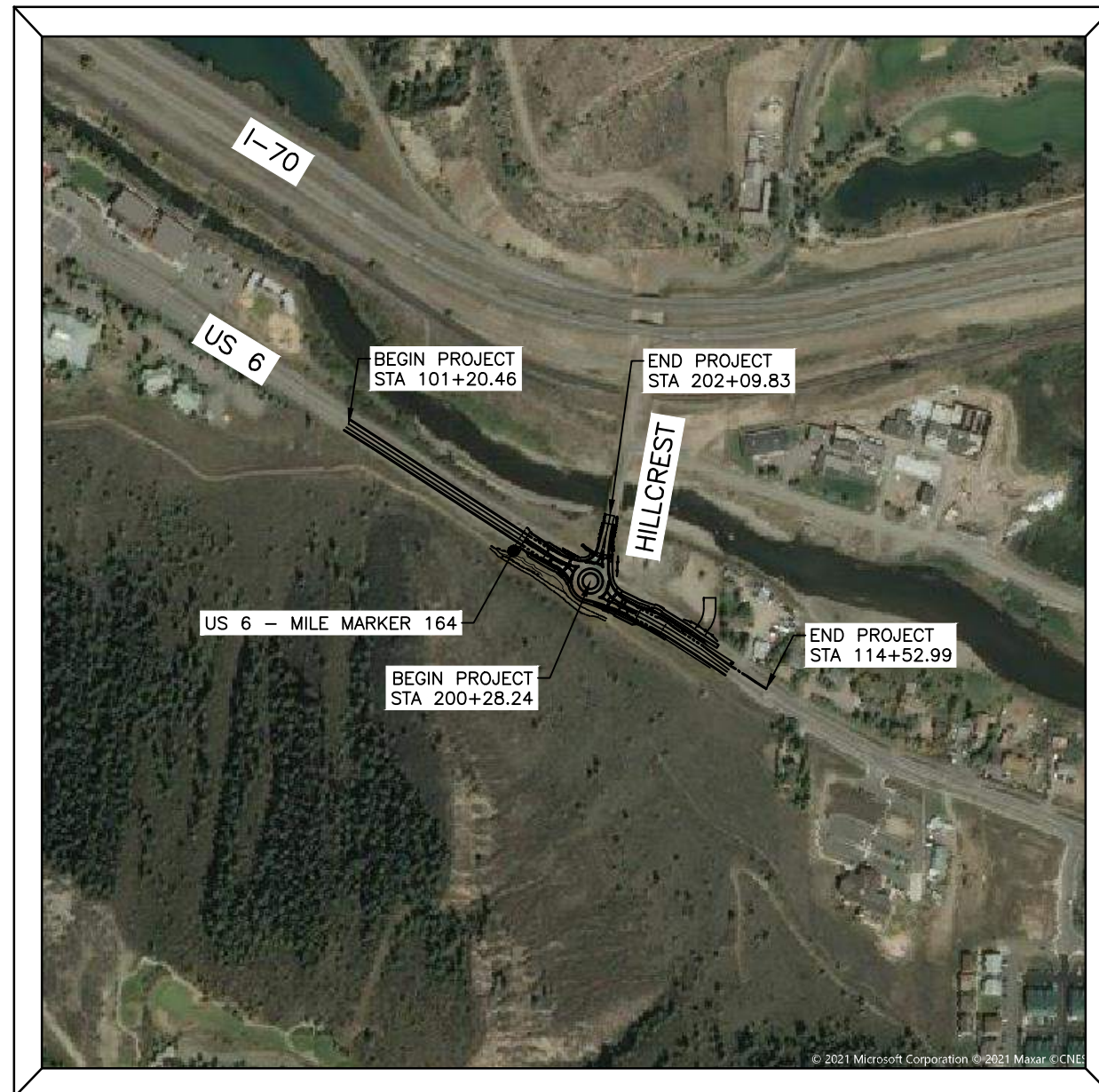
LENGTH

	US 6	HILLCREST DR.
TOTAL (FEET) *	500	182
TOTAL (MILES) *	0.095	0.034

DESIGN CRITERIA

	US 6	HILLCREST DR.
DESIGN SPEED (MPH)	35	35
POSTED SPEED (MPH)	35	25
MIN RADIUS (FEET)	340	340
MAX GRADE (%)	5%	5.72%
MIN STOPPING SIGHT DISTANCE (FEET)	250	250
2045 DESIGN TRAFFIC (AADT)	14,460	3,900
2045 TRUCK %	4%	4%
CLEAR ZONE DISTANCE (TANGENT) (FEET)	16	10

* THE LENGTH OF PROJECT IS BASED ON PROPOSED PAVEMENT CONSTRUCTION AND DOES NOT INCLUDE STRIPING.



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6400 S. Fiddlers Green Circle, Suite 1500 Greenwood Village, CO 80111 Phone: 303.721.1440 www.FHUENG.com				VOID:	Sheet Subset: TITLE	TS-01	1

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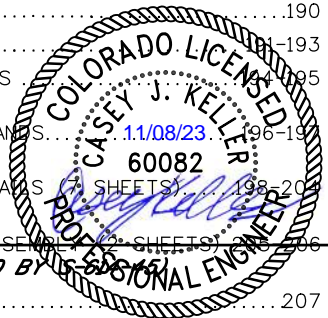
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COLORADO
DEPARTMENT OF TRANSPORTATION
M&S STANDARDS PLANS LIST
 July 31, 2019
 Revised on July 24, 2023

ALL OF THE M&S STANDARD PLANS, AS SUPPLEMENTED AND REVISED, APPLY TO THIS PROJECT WHEN USED BY DESIGNATED PAY ITEM OR SUBSIDIARY ITEM.

THE M&S STANDARD PLANS USED TO DESIGN THIS PROJECT ARE INDICATED BY A MARKED BOX ■, AND WILL BE ATTACHED TO THE PLANS. ALL OTHER M&S STANDARD PLANS ARE STILL ELIGIBLE FOR USE IN CONSTRUCTION IF APPROVED BY AN APPROPRIATE CDOT ENGINEER.



MY LIABILITY IS LIMITED TO THE APPLICATION OF THE STANDARD.

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					Sheet Subset: M&S	SP-01	2	

GENERAL NOTES:

1. ALL AREAS WITHIN THE CONSTRUCTION LIMITS SHALL BE CLEARED AND GRUBBED. CLEARING AND GRUBBING SHALL INCLUDE REMOVAL AND DISPOSAL OF TRASH, DEBRIS, LARGE ROCKS, TREES, TREE STUMPS, BUSHES, LANDSCAPING, ETC. UNLESS SPECIFICALLY DESIGNATED TO REMAIN.
2. ALL REMOVED MATERIAL, INCLUDING BUT NOT LIMITED TO ASPHALT PAVEMENT, CONCRETE, CONCRETE CURB, GUTTER, AND SIDEWALK SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE HAULED AND DISPOSED OF OFF SITE, AND MAY NOT BE BURIED ONSITE, UNLESS OTHERWISE NOTED IN THE PLANS.
3. ALL MATERIALS, WORKMANSHIP, EQUIPMENT, INSTALLATION AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING STANDARD REFERENCES AS APPLICABLE:
 - a. CDOT MATERIALS MANUAL
 - b. CDOT CONSTRUCTION MANUAL
 - c. CDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION
 - d. CDOT STANDARD SPECIAL PROVISIONS, AS APPLICABLE TO PROJECT
 - e. CDOT STANDARD PLANS (M&S STANDARDS)
 - f. FHWA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS AND THE COLORADO SUPPLEMENTAL THERETO
 - g. AASHTO ROADSIDE DESIGN GUIDE
4. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE MOST RESTRICTIVE STANDARD SHALL APPLY.
5. ALL WORK SHALL BE INSPECTED BY EAGLE COUNTY.
6. THE CONTRACTOR SHALL PROVIDE ON-SITE SANITARY FACILITIES.
7. NO PERSONAL VEHICLES ARE ALLOWED TO PARK IN CDOT RIGHT OF WAY.
8. MUD AND DEBRIS ON THE ROADWAY MUST BE REMOVED BY THE END OF EACH WORKING DAY BY AN APPROPRIATE MECHANICAL METHOD (I.E. STREET SWEEPER, LIGHT DUTY FRONT-END LOADER, ETC.) OR AS APPROVED BY THE ENGINEER. POWER BROOMS WILL NOT BE ACCEPTABLE—MUST USE STREET SWEEPER.
9. THE COUNTY WILL NEED TO ACQUIRE THE STORMWATER CONSTRUCTION PERMIT (SCP) AND THEN, PRIOR TO BEGINNING WORK, TRANSFER TO THE CONTRACTOR PER CDPHE REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT ON THE CONSTRUCTION SITE, AND AVAILABLE TO THE EAGLE COUNTY INSPECTOR AT ALL TIMES. THESE UPDATES SHALL BE DONE AS WORK PROGRESSES. PREPARATION OF AS-BUILT PLANS WILL NOT BE PAID FOR SEPARATELY.
10. THE CONTRACTOR SHALL COMPLY WITH ALL TERMS AND CONDITIONS OF THE COLORADO PERMIT FOR STORM WATER DISCHARGE, THE STORM WATER MANAGEMENT PLAN, AND THE EROSION CONTROL PLAN.
11. THE CONTRACTOR SHALL SUBMIT A PLAN TO MAINTAIN ADEQUATE DRAINAGE DURING EACH PHASE OF CONSTRUCTION TO THE ENGINEER FOR REVIEW. THIS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE WORK.
12. INITIAL EROSION CONTROL MEASURES SHALL BE INSTALLED, AT THE LIMITS OF CONSTRUCTION AND AT AREAS WITH DISTURBED SOIL, ON- OR OFF-SITE, PRIOR TO ANY OTHER GROUND-DISTURBING ACTIVITY. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR, UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREA IS STABILIZED WITH HARD SURFACE OR LANDSCAPING. TO MITIGATE EROSION, THE CONTRACTOR SHALL USE STANDARD EROSION CONTROL TECHNIQUES DESCRIBED IN VOLUME 3 – BEST MANAGEMENT PRACTICES, OF THE MHFD URBAN STORM DRAINAGE CRITERIA MANUAL.
13. THERE SHALL BE NO SITE CONSTRUCTION ACTIVITIES ON SATURDAYS, UNLESS SPECIFICALLY APPROVED BY THE ENGINEER, AND NO SITE CONSTRUCTION ACTIVITIES ON SUNDAYS OR HOLIDAYS, UNLESS THERE IS PRIOR WRITTEN APPROVAL BY THE ENGINEER.
14. UPON COMPLETION OF CONSTRUCTION, THE SITE SHALL BE CLEANED AND RESTORED TO A CONDITION EQUAL TO, OR BETTER THAN, THAT WHICH EXISTED BEFORE CONSTRUCTION, OR TO THE GRADES AND CONDITIONS AS REQUIRED BY THESE PLANS.
15. DESIGN MODIFICATION(S) MUST BE APPROVED BY THE COUNTY PRIOR TO BEGINNING CONSTRUCTION OF MODIFICATION.
16. CONTRACTOR SHALL NOT OPERATE VALVES, FIRE HYDRANTS, AND OTHER APPURTENANCES, OWNED BY THE COUNTY OR THE EAGLE RIVER WATER AND SANITATION DISTRICT.
17. ALL STATIONING IS BASED ON CONTROL LINE OF ROADWAYS OTHERWISE NOTED.
18. WHERE THE NEW CURB AND GUTTER MATCHES EXISTING CURB AND GUTTER, FIELD ADJUST THE CURB AND GUTTER GRADES AS NECESSARY TO PROVIDE POSITIVE DRAINAGE AND TO PROHIBIT PONDING IN THE GUTTER.

19. THE CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING AND VERIFYING ELEVATIONS OF ALL EXISTING SEWER MAINS, WATER MAINS, CURBS, GUTTERS AND OTHER UTILITIES AT THE POINTS OF CONNECTION SHOWN ON THE PLANS, AND AT ANY UTILITY CROSSINGS PRIOR TO INSTALLING ANY OF THE NEW IMPROVEMENTS. IF A CONFLICT EXISTS AND/OR A DESIGN MODIFICATION IS REQUIRED, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO MODIFY THE DESIGN. DESIGN MODIFICATION(S) MUST BE APPROVED BY EAGLE COUNTY PRIOR TO BEGINNING CONSTRUCTION.
20. 1 EACH FIELD OFFICE (CLASS 1), 1 EACH FIELD LAB (CLASS 1), 1 EACH SANITARY FACILITY, LOCATED AS DIRECTED BY THE ENGINEER, WILL BE REQUIRED ON THIS PROJECT. THE FIELD LAB, OFFICE AND SANITARY FACILITIES SHALL BE FULLY OPERATIONAL BEFORE CONSTRUCTION CAN BEGIN.
21. 1 LS MOBILIZATION WILL BE REQUIRED ON THIS PROJECT.
22. 1 LS CONSTRUCTION SURVEYING WILL BE REQUIRED ON THIS PROJECT.
23. IT IS ESTIMATED THAT THIS PROJECT WILL REQUIRE 100 HOURS OF POTHOLING TO BE USED AS DIRECTED BY THE ENGINEER.
24. A PAVEMENT REPORT WAS COMPLETED BY SHANNON & WILSON DATED MARCH 2022. THIS REPORT WILL BE MADE AVAILABLE TO THE CONTRACTOR.
25. A SUBSURFACE UTILITY ENGINEERING (SUE) REPORT WAS COMPLETED BY GOODBEE & ASSOCIATES DATED 07/10/2020 AND REVISED 05/06/2022. THIS REPORT WILL BE MADE AVAILABLE TO THE CONTRACTOR.
26. THE SULFATE SEVERITY OF POTENTIAL EXPOSURE SHALL BE CLASS 2 FOR THIS PROJECT.



ENVIRONMENTAL NOTES

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE WHICH ENVIRONMENTAL CLEARANCES AND/OR REGULATIONS APPLY TO THE PROJECT, AND TO OBTAIN ANY CLEARANCES THAT ARE REQUIRED DIRECTLY FROM THE APPROPRIATE AGENCY PRIOR TO COMMENCING WORK. PLEASE REFER TO OR REQUEST A COPY OF THE "CDOT ENVIRONMENTAL CLEARANCE INFORMATION SUMMARY" (ECIS) FOR DETAILS. THE ECIS MAY BE OBTAINED FROM CDOT PERMITTING OFFICES OR MAY BE ACCESSED VIA THE CDOT PLANNING/CONSTRUCTION-ENVIRONMENTAL GUIDANCE WEBPAGE AT: <https://www.codot.gov/programs/environmental/resources/guidance-standards/environmental-clearances-info-summary-july-20.pdf>
2. FAILURE TO COMPLY WITH REGULATORY REQUIREMENTS MAY RESULT IN SUSPENSION OR REVOCATION OF THE CONTRACTOR'S CDOT PERMIT, OR ENFORCEMENT ACTIONS BY OTHER AGENCIES.
3. ALL DISCHARGES ARE SUBJECT TO THE PROVISIONS OF THE COLORADO WATER QUALITY ACT AND THE COLORADO DISCHARGE PERMIT REGULATIONS. PROHIBITED DISCHARGES INCLUDE SUBSTANCES SUCH AS: WASH WATER, PAINT, AUTOMOTIVE FLUIDS, SOLVENTS, OILS, OR SOAPS.
4. UNLESS OTHERWISE IDENTIFIED BY CDOT OR THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT (CDPHE) WATER QUALITY CONTROL DIVISION (WQCD) AS SIGNIFICANT SOURCES OF POLLUTANTS TO THE WATERS OF THE STATE, THE FOLLOWING DISCHARGES TO STORMWATER SYSTEMS ARE ALLOWED WITHOUT A COLORADO DISCHARGE PERMIT SYSTEM PERMIT: LANDSCAPE IRRIGATION, DIVERTED STREAM FLOWS, UNCONTAMINATED GROUNDWATER INFILTRATION TO SEPARATE STORM SEWERS, DISCHARGES FROM POTABLE WATER SOURCES, FOUNDATION DRAINS, AIR CONDITION CONDENSATION, IRRIGATION WATER, SPRINGS, FOOTING DRAINS, WATER LINE FLUSHING, FLOWS FROM RIPARIAN HABITATS AND WETLANDS, AND FLOW FROM FIRE FIGHTING ACTIVITIES.
5. ANY OTHER DISCHARGES, INCLUDING STORMWATER DISCHARGES FROM INDUSTRIAL FACILITY OR CONSTRUCTION SITES, MAY REQUIRE COLORADO DISCHARGE PERMIT SYSTEM PERMITS FROM CDPHE BEFORE WORK BEGINS. THIS SHALL NOT BE PAID FOR SEPARATELY. FOR ADDITIONAL INFORMATION AND FORMS, GO TO THE CDPHE WEBSITE AT: <https://www.colorado.gov/pacific/cdphe/wq-permit-forms>
6. PRIOR TO BEGINNING THE WORK, A STORMWATER CONSTRUCTION PERMIT (SCP) MUST BE ACQUIRED BY THE TOWN AND THEN TRANSFERRED TO THE CONTRACTOR
7. IF PALEONTOLOGICAL RESOURCES ARE UNCOVERED DURING PROJECT CONSTRUCTION, WORK IN THE IMMEDIATE AREA OF THE FIND SHOULD CEASE, AND NICOLE PEAVEY, CDOT STAFF PALEONTOLOGIST, 303-757-9632, SHOULD BE NOTIFIED AS SOON AS POSSIBLE PER SECTION 107.23 OF THE STANDARD SPECIFICATIONS.
8. WATER QUALITY: IT WILL BE THE RESPONSIBILITY OF THE LOCAL AGENCY AND THE CONTRACTOR TO MAINTAIN EXISTING BMP'S AND ENSURE THEIR COMPLETE REMOVAL FROM CDOT ROW ONCE 70% OF PRE-EXISTING VEGETATION HAS BEEN RE-ESTABLISHED.

9. ALL CONSTRUCTION RELATED SWEEPING OPERATIONS SHALL BE DONE BY A STREET SWEEPER AND SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE WORK. ITEM 208-00106 SWEEPING (SEDIMENT REMOVAL) SHALL BE USED FOR SEDIMENT CONTROL PER THE DIRECTION OF THE ENGINEER.
10. THE MIGRATORY BIRD TREATY ACT (MBTA) PROTECTS MIGRATORY BIRDS AND THEIR NESTS AND EGGS. SPEC 240 SHALL BE INCLUDED FOR ANY VEGETATION REMOVAL CONDUCTED DURING MIGRATORY BIRDS NESTING SEASON FROM APRIL 1- AUGUST 31. SURVEYS SHALL BE CONDUCTED AT LEAST ONE WEEK BEFORE CONSTRUCTION ACTIVITIES INCLUDING CLEARING, GRUBBING, GRADING, CULVERT DEMOLITION, ETC. FOR PROJECTS THAT COULD POTENTIALLY HAVE AN IMPACT, THE FOLLOWING CONDITIONS APPLY:
 - A) TREE TRIMMING/REMOVAL: TREE TRIMMING AND/OR REMOVAL ACTIVITIES SHALL BE COMPLETED BEFORE BIRDS BEGIN TO NEST OR AFTER THE YOUNG HAVE FLEDGED. IN COLORADO, MOST NESTING AND REARING ACTIVITIES OCCUR BETWEEN APRIL 1 AND AUGUST 31. HOWEVER, SINCE SOME BIRDS NEST AS EARLY AS FEBRUARY, A NESTING BIRD SURVEY SHALL BE CONDUCTED BY A BIOLOGIST BEFORE ANY TREE TRIMMING OR REMOVAL ACTIVITIES BEGIN.
 - B) CLEARING/GRUBBING ACTIVITIES: CLEARING AND GRUBBING OF VEGETATION THAT MAY DISTURB GROUND NESTING BIRDS SHALL BE COMPLETED BEFORE BIRDS BEGIN TO NEST OR AFTER THE YOUNG HAVE FLEDGED. IF WORK ACTIVITIES ARE PLANNED BETWEEN APRIL 1 AND AUGUST 31, VEGETATION SHALL BE REMOVED AND/OR TRIMMED TO A HEIGHT OF SIX (6) INCHES OR LESS PRIOR TO APRIL 1. ONCE VEGETATION HAS BEEN REMOVED AND/OR TRIMMED, APPROPRIATE MEASURES, I.E. REPEATED MOWING/TRIMMING, SHALL BE IMPLEMENTED TO ASSURE VEGETATION DOES NOT GROW MORE THAN SIX (6) INCHES. FAILURE TO MAINTAIN VEGETATION HEIGHT OF SIX (6) INCHES OR LESS MAY POSTPONE PROJECT CONSTRUCTION.
 - C) KEEP ALL STAGING, PARKING, AND STOCKPILING TO PREVIOUSLY DISTURBED AREAS OR BE APPROVED BY THE CDOT BIOLOGIST.
11. IN THE EVENT THAT PROJECT PERSONNEL ENCOUNTER UNKNOWN SOIL AND/OR GROUNDWATER CONTAMINATION, CONSTRUCTION ACTIVITIES SHALL CEASE IMMEDIATELY AND THE PROCEDURES OUTLINED IN THE CDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION SUBSECTION 250 SHALL BE FOLLOWED. THE COST FOR HANDLING AND DISPOSAL OF CONTAMINATED MATERIALS WILL BE PAID FOR THROUGH FORCE ACCOUNT.
12. THE PROJECT WILL FOLLOW A REVISED PROJECT SPECIAL OF PROJECT SPECIAL SPEC 217 FOR TREATING NOXIOUS WEEDS SPECIFIC TO THE SITE AND THE EXISTING AND PROPOSED CONDITIONS. ONE LIST B NOXIOUS WEED SPECIES (CANADA THISTLE) WAS OBSERVED DURING THE SURVEY.
13. NO KNOWN BIRD NESTS EXIST WITHIN THE TREES DESIGNATED FOR REMOVAL ON THE PLANS. EAGLE COUNTY WILL BE RESPONSIBLE FOR CONDUCTING ANY FURTHER NESTING SURVEYS PRIOR TO REMOVAL OF TREES. THE CONTRACTOR SHALL NOTIFY THE COUNTY 48 HOURS PRIOR TO ANY TREE REMOVAL AND OBTAIN APPROVAL PRIOR TO ANY TREE REMOVAL WORK.
14. CONSTRUCTION SHOULD BE CONCENTRATED TO AS SMALL OF AN AREA AS POSSIBLE IN ORDER TO MINIMIZE THE AMOUNT OF HABITAT AFFECTED AT ONE TIME AND KEEP ADJACENT HABITAT AREAS AVAILABLE FOR USE BY THE SPECIES TO FORAGE, HIDE OR TRAVEL. RE-CONTOUR AND RESTORE ALL IMPACTED HABITATS ON THE PROJECT SITE SO THAT THEY BECOME AVAILABLE FOR USE.
15. THE CONTRACTOR WILL BE REQUIRED TO KEEP ALL STAGING, PARKING, AND STOCKPILING TO PREVIOUSLY DISTURBED AREA OR APPROVED BY THE CDOT BIOLOGIST.
16. DURING ALL SUBSURFACE ACTIVITIES, WORKER SHALL BE ALERT FOR VISUAL AND OLFACTORY SIGNS OF CONTAMINATION. IF CONTAMINATION IS ENCOUNTERED, WORK SHALL STOP AND PROCEDURES ESTABLISHED IN THE CDOT 250 SPEC SHALL BE FOLLOWED. ANY CONTAMINATED SOILS OR LANDFILL MATERIALS SHALL BE PROPERLY HANDLED AND SAMPLED PRIOR TO DISPOSAL.



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PRINT DATE: 11/01/2023 11:32 AM		Sheet Status		 <p>ENGINEERING P.O. BOX 500 BROADWAY EAGLE, CO 81631</p>	AS CONSTRUCTED	US 6 & HILLCREST ROUNDABOUT GENERAL NOTES		PROJECT NO./CODE
FILE NAME: D118339-01GENERAL.DWG		AD PLAN SET			NO. REVISIONS:			118339-01
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FARTHWORK NOTES

- EXCAVATION REQUIRED FOR COMPACTION OF BASES OF CUTS AND FILLS WILL BE CONSIDERED AS SUBSIDIARY TO THAT OPERATION AND WILL NOT BE PAID FOR SEPARATELY.
- DEPTH OF MOISTURE-DENSITY CONTROL FOR THIS PROJECT SHALL BE AS FOLLOWS:
 - FULL-DEPTH OF ALL EMBANKMENTS
 - MINIMUM R VALUE OF 40 REQUIRED IN TOP TWO FEET
 - BASES OF CUTS AND FILLS - 8 INCHES
- DEPTH OF TOPSOIL REMOVAL SHALL BE DIRECTED BY THE ENGINEER IN THE FIELD. FINAL GRADES SHOWN REFLECT A MINIMUM OF 6 INCHES OF TOPSOIL PLACED ON ALL DISTURBED AREAS NOT SURFACED. TOPSOIL TO BE USED IS SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER.
- IMPORTED EMBANKMENT MATERIAL SHALL HAVE A MINIMUM R-VALUE OF 40.

PAVEMENT NOTES

- FOR PLAN QUANTITIES OF PAVEMENT MATERIAL, THE FOLLOWING RATES OF APPLICATION WERE USED:
 - AGGREGATE BASE COURSE @ 133 LBS. PER CU. FT.
 - HOT MIX ASPHALT @ 110 LBS. PER SQ. YD./INCH
 - TACK COAT DILUTED EMULSIFIED ASPHALT (SLOW-SETTING)(DILUTED) @ 0.1 GALS. PER SQ. YD.
- DILUTED EMULSIFIED ASPHALT FOR TACK COAT SHALL CONSIST OF 1 PART EMULSIFIED ASPHALT AND 1 PART WATER.
- A TACK COAT OF EMULSIFIED ASPHALT (SLOW-SETTING) IS TO BE APPLIED TO IMPROVE BOND AT THE FOLLOWING LOCATIONS:
 - BEFORE PLACING NEW PAVEMENT OVER EXISTING PAVEMENT
 - ADJACENT TO EXISTING PAVEMENT, AND OTHER SURFACES AGAINST WHICH ASPHALT IS PLACED
 - BETWEEN PAVEMENT COURSES
- PRIOR TO PLACING TACK COAT AND HMA, THE PAVED SURFACE SHALL BE SWEEPED AND CLEARED. THIS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE HOT MIX ASPHALT PAVEMENT ITEM.
- WATER SHALL BE USED AS A DUST PALLIATIVE AND WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE WORK AND MEET THE PROVISION OF SECTION 209 OF THE STANDARD SPECIFICATIONS. LOCATIONS SHALL BE AS DIRECTED BY THE ENGINEER.
- ANY LAYER OF BITUMINOUS PAVEMENT THAT IS TO HAVE A SUCCEEDING LAYER PLACED THEREON SHALL BE COMPLETED FULL WIDTH BEFORE SUCCEEDING LAYER IS PLACED. THE CONTRACTOR SHALL SCHEDULE WORK SUCH THAT NEW HMA IS FULL WIDTH (CURB TO CURB, SHOULDER TO SHOULDER) AT THE END OF EACH WEEK WHILE PAVING IS TAKING PLACE. NO UNEVEN LONGITUDINAL JOINTS ARE TO BE LEFT FOR THE WEEKEND TRAFFIC UNLESS APPROVED BY THE ENGINEER.
- THE FOLLOWING SHALL BE FURNISHED WITH EACH BITUMINOUS PAVER:
 - SKI TYPE DEVICE AT LEAST 30 FEET IN LENGTH
 - SHORT SKI OR SHOE
 - 1500 FEET OF CONTROL LINE AND STAKES
- WHERE IT IS REQUIRED TO CUT EXISTING ASPHALT PAVEMENT, THE CUTTING SHALL BE DONE TO A NEAT WORK LINE WITH A SAW OR OTHER METHOD AS APPROVED BY ENGINEER.
- ASPHALT JOINTS SHALL FALL ON LANE LINES, SHOULDER LINES, OR MEDIAN LINES, EXCEPT WHERE STATED ON THE PLANS.
- SUBGRADE SHOULD BE RECONDITIONED TO A DEPTH OF 6 TO 12 INCHES, AS DETERMINED BY THE ENGINEER. THIS TREATMENT SHOULD BE EXTENDED A MINIMUM OF 6 INCHES OUTSIDE OF ANY CURB AND GUTTER AND INCLUDED IN THE WORK.
- THE CONTRACTOR SHALL NOT PARK VEHICLES OR EQUIPMENT ON DISTURB AREAS NOT APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL COORDINATE THE SHOULDERING OPERATION SUCH THAT FULL COMPLIANCE TO THE EXISTING GRADES IS OBTAINED ON A DAILY BASIS FOLLOWING THE PAVING OPERATION FOR THE AFFECTED AREA UNLESS OTHERWISE APPROVED BY THE ENGINEER. 3:1 OR FLATTER SLOPES MUST BE IN PLACE NEXT TO THE NEW PAVEMENT PRIOR TO OPENING THE PAVEMENT TO NORMAL TRAFFIC.
- HMA SMOOTHNESS IS HRI CATEGORY II THIS PROJECT WILL NOT BE SUBJECT TO INCENTIVE PAYMENTS FOR SMOOTHNESS. CORRECTIVE WORK AND THE 10 FOOT STRAIGHT EDGE REQUIREMENT STILL APPLY AS DESCRIBED IN THE PROJECT SPECIAL PROVISION SECTION 105.
- THIS PROJECT WILL NOT BE SUBJECT TO QUALITY INCENTIVE PAYMENTS FOR ASPHALT QUALITY. THIS PROJECT WILL BE SUBJECT TO PRICE REDUCTIONS PER SECTION 105.05 OF THE STANDARD SPECIFICATIONS.

- PAVING SHALL NOT BEGIN UNTIL ENGINEER HAS APPROVED THE SUBGRADE. PAVEMENT SUBGRADE SHALL BE PROOF ROLLED AND APPROVED BY THE ENGINEER IN ACCORDANCE WITH SUBSECTION 203.04. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT AND LABOR NECESSARY FOR THE PROOF ROLL. PROOF ROLLING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE WORK.
- ALL CONCRETE IS TO BE CLASS 2 SULFATE RESISTANCE (FOR ALL CONCRETE ITEMS).
- ADJUSTMENTS FOR ASPHALT CEMENT COSTS WILL NOT BE INCLUDED IN THIS PROJECT.
- VOIDS ACCEPTANCE TESTING WILL NOT BE INCLUDED IN THIS PROJECT.

CONSTRUCTION TRAFFIC CONTROL NOTES

- PRIOR TO BEGINNING OF WORK IN THE CDOT ROW, THE PERMITTEE SHALL CREATE A SITE SPECIFIC, DETAILED CONSTRUCTION TRAFFIC CONTROL PLAN WHICH COVERS ALL PHASES AND DAY/NIGHT SIGNAGE CONDITIONS OF WORK, INCLUDING FINAL SIGNING AND STRIPING.
- PERMITTEE SHALL DESIGNATE A CERTIFIED TRAFFIC CONTROL SUPERVISOR (TCS) TO MANAGE CONSTRUCTION SIGNAGE AND SAFETY OF OPERATIONS DURING ACTIVITIES WITHIN CDOT RIGHT OF WAY. THE TCS SHALL BE AVAILABLE WHENEVER WORK IS IN PROGRESS.
- PERMITTEE SHALL ONLY USE THE TRAFFIC CONTROL PLANS STAMPED WITH "NOTICE TO PROCEED PLANS - EXHIBIT A"; CDOT SHALL CONCUR WITH ALL OTHER TRAFFIC CONTROL PLANS PRIOR TO THEM BEING USED ON THE HIGHWAY.
- PERMITTEE SHALL REMOVE ALL TRAFFIC CONTROL DEVICES AT THE END OF THE DAY'S CONSTRUCTION ACTIVITIES, ON WEEKENDS AND HOLIDAYS, UNLESS OTHERWISE DIRECTED BY CDOT.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO AFFECTED PROPERTY OWNERS AT ALL TIMES DURING CONSTRUCTION AT NO ADDITIONAL COST.

SIGNING & MARKING NOTES

- ALL SIGN POSTS SHALL BE GALVANIZED TUBULAR STEEL.
- FULL-COMPLIANCE, TEMPORARY PAVEMENT MARKINGS SHALL BE APPLIED PER CDOT SPECIFICATIONS AT THE END OF EACH CONSTRUCTION DAY. THIS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCIDENTAL TO THE PROJECT.
- STRIPING SHALL BE EPOXY PAINT AS PER SECTION 627 OF THE CDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- ALL HIGHWAY STRIPING SHALL BE INLAID A DEPTH OF 40 MILS +/- 5 MILS IN ASPHALT AND CONCRETE UNLESS WAVED BY THE PERMIT ENGINEER. GROOVE WIDTH SHALL BE PAVEMENT MARKING WIDTH PLUS 1 INCH, +/- 1/4 INCH.
- ALL ALIGNMENT MARKING STENCILS SHALL BE INLAID A DEPTH OF 90 MILS +/- 10 MILS. GRINDING WIDTH SHALL BE NO MORE THAN 1 INCH LARGER THAT THE STENCIL.
- UNLESS AN ASPHALT OVERLAY IS REQUIRED, GRINDING OF EXISTING PAVEMENT MARKINGS IS REQUIRED BY CDOT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS AND IN A MANNER THAT WILL NOT AFFECT TRAFFIC FLOW.
- ALL EXISTING MARKINGS THAT CONFLICT WITH PROPOSED CONSTRUCTION TRAFFIC CONTROL SHALL BE OBLITERATED AND INCLUDED IN THE COST OF TRAFFIC CONTROL.

TYPICAL SECTION NOTES



- CDOT MUST APPROVE THE ASPHALT MIX DESIGN PRIOR TO CONSTRUCTION. THE PERMITTEE'S ENGINEER OF RECORD SHALL COORDINATE WITH THE CDOT PERMIT UNIT CONTACT PERSON (970-683-6286) TO OBTAIN APPROVAL.
- BREAK POINT ON SLOPES AND IN BOTTOMS OF DITCHES SHALL BE ROUNDED DURING CONSTRUCTION.
- AT THE LOCATIONS WHERE NEW ASPHALT IS TO ABUT EXISTING ASPHALT, SAW CUT THE EXISTING PAVEMENT AND REMOVE PAVEMENT. FROM THE SAW CUT LINE, MILL EXISTING PAVEMENT BACK 2 FOOT TO A DEPTH OF 2 INCHES. TACK EXPOSED VERTICAL ASPHALT EDGE PRIOR TO PAVING. THE SAW CUTTING WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE REMOVAL OF THE ASPHALT ITEM. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CURB & GUTTER.

CONSTRUCTION NOTES

- REMOVAL OF ASPHALT MAT, CURB AND GUTTER, CONCRETE PAVEMENT AND SIDEWALK REQUIRED ON THIS PROJECT SHALL BE SAW CUT TO A VERTICAL EDGE. COST OF SAWING TO BE INCLUDED IN WORK OF REMOVAL OF ASPHALT MAT, REMOVAL OF CURB AND GUTTER, REMOVAL OF CONCRETE PAVEMENT AND REMOVAL OF SIDEWALK, RESPECTIVELY.
- THE CONTRACTOR SHALL PROTECT ALL WORK AREAS AND FACILITIES FROM WATER AT ALL TIMES. AREA AND FACILITIES SUBJECTED TO FLOODING, REGARDLESS OF THE SOURCE OF WATER SHALL BE PROMPTLY DEWATERED AND RESTORED AT NO COST TO THE OWNER. THIS SHALL INCLUDE REMOVAL OF ANY DEBRIS CAUSED BY FLOODING.
- CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE AND/OR TOES OF SLOPE AS SHOWN ON THE PLANS AND CROSS SECTIONS. ANY DISTURBANCES BEYOND THESE LIMITS SHALL BE RESTORED TO THE ORIGINAL CONDITION BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. CONSTRUCTION ACTIVITIES IN ADDITION TO NORMAL CONSTRUCTION PROCEDURE SHALL INCLUDE THE PARKING OF VEHICLES OR EQUIPMENT. DISPOSAL OF LITTER, AND ANY OTHER ACTION WHICH WOULD ALTER EXISTING CONDITIONS. ANY OFF ROAD STAGING AREAS MUST BE PRE-APPROVED BY THE PROJECT ENGINEER AND EAGLE COUNTY.
- THE APPROPRIATE POLICE AND FIRE DEPARTMENTS SHALL BE CONTACTED PRIOR TO CONSTRUCTION TO ENSURE EMERGENCY ACCESS DURING CONSTRUCTION.
- DUST PALLIATIVE SHALL BE USED WHERE REQUIRED AND MUST BE PRE-APPROVED BY THE PROJECT ENGINEER. (SEE EARTHWORK NOTE 1)
- DISPOSAL OF EXCESS MATERIAL OFF-SITE OR THE IMPORTING OF MATERIALS ON-SITE, REGARDLESS OF PROPERTY OWNERSHIP, MUST BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION DESIGNATED TO REMAIN FREE FROM DAMAGE DURING CONSTRUCTION OPERATIONS. ANY MONUMENTS DISTURBED BY THE CONTRACTOR THAT ARE NOT DESIGNATED FOR RELOCATION SHALL BE RESET AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR AND ENGINEER SHALL NOTE THOSE MONUMENTS IN THE FIELD PRIOR TO CONSTRUCTION. SEE TABULATION OF SURVEY.
- REPAIR OF DAMAGE TO EXISTING IMPROVEMENTS, IRRIGATION, OR LANDSCAPING IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL ASSOCIATED COSTS FOR IMPROVEMENTS, IRRIGATION, OR LANDSCAPING REPAIR SHALL BE PAID FOR BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
- THE CONTRACTOR SHALL SUBMIT A PAVING SEQUENCING SCHEDULE TO THE ENGINEER AT LEAST 10 WORKING DAYS PRIOR TO BEGINNING THE PAVING OPERATION. PAVING SHALL NOT BEGIN UNTIL THE SCHEDULE HAS BEEN APPROVED.
- THE CONTRACTOR SHALL SUBMIT A PLAN TO MAINTAIN ADEQUATE DRAINAGE DURING EACH PHASE OF CONSTRUCTION TO THE ENGINEER FOR REVIEW. THIS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE WORK.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ANY TEMPORARY EXCAVATION SUPPORT REQUIRED.
- SIGNING AND STRIPING SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- THE CONTRACTOR SHALL LIMIT ALL WORK ACTIVITIES OR STAGING WITHIN THE EXISTING RIGHT OF WAY OR EASEMENTS AS SHOWN ON THE PLANS.



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FILE NAME: D118339-01GENERAL.DWG				GENERAL NOTES		118339-01	
Horizontal Scale: N/A Vertical Scale: N/A	AD PLAN SET			NO. REVISIONS:	Designer: CJK	STRUCTURE NUMBERS	
				Revised: CJK			
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TO ESTABLISH GEOMETRIC CONTROL FOR THE CONSTRUCTION OF THIS PROJECT, THE DEPARTMENT HAS PROVIDED THE FOLLOWING INFORMATION:

- Format *
- 3D Design Modeling Electronic Files _____
 - Horizontal Control _____ **PLAN SHEET**
 - Vertical Control _____ **PLAN SHEET**
 - Roadway Alignment _____ **PLAN SHEET**
 - Original Terrain Data _____
 - Other: _____

* Specify the information format, ie., plan sheet, computer disk, computer printout, or other. The information marked is either contained on the plans or is available from the Engineer.

TYPE OF PROJECT

- Landscaping
- Signalization
- Safety Improvement
- Asphalt Overlay
- Concrete Overlay
- Minor Widening
- Major Reconstruction
- New Roadway Construction
- Bridge Replacement
- Bridge Widening
- New Bridge
- Other: NEW ROUNDABOUT

SURVEY WORK TO BE PERFORMED BY OTHERS: _____

WORK PERFORMED BY THE CONTRACTOR'S SURVEYOR UNDER SECTION 625:

- A complete passing Base Line report (completed within 6 months prior to the start of the project)
- An instrument calibration Certification (completed within 6 months prior to the start of the project)
- Establish and Maintain Project Centerline or Engineer Approved Offset Line(s)
- Verification and Maintenance of Horizontal and Vertical Control
- Verify or Determine existing grades and alignments
- Verify or Determine existing topography
- Clearing and Grubbing Limits (Section 201)
- Removal Limits (Section 202)
- Reset Items (Section 210)
- Excavation and Embankment (Section 203)

- Excavation**
- Unclassified
 - Stripping
 - Muck
 - Rock
 - Borrow
 - Other: _____
 - Potholing

- Embankment**
- Embankment
 - Site Grading
 - Erosion Control (Perm)
 - Other: _____
 - As Staked Earthwork Quantities (See General Notes)

- Landscaping**
- Top Soil (Section 207)
 - Seeding (Section 212)
 - Mulching (Section 213)
 - Planting (Section 214)
 - Herbicide (Section 217)
 - Other: _____

- Erosion Control (Section 208)**
- Seeding (Temp)
 - Silt Fence
 - Erosion Bales
 - Erosion Logs
 - Riprap (Temp)
 - Other: _____

- Roadway Bases**
- Untreated Subgrade
 - Treated Subgrade
 - Aggregate Base Course (Section 304)
 - Reconditioning
 - PMBB - Plant Mix Bituminous Base
 - Other: _____

	Slope Staking (Y/N)	Grid (Y/N)	Grade (Y/N)	Special Interval
Excavation	-	-	-	-
Embankment	-	-	-	-

	Grid (Y/N)	Grade (Y/N)	Special Interval	Special Offset
Roadway Bases	-	-	-	-

- Pavements**
- HMA - Hot Mix Asphalt (Section 403)
 - Concrete (Section 412)
 - Heating & Scarifying Treatment
 - Prime Coat, Tack Coat & Rejuvenating Agent (Section 407)
 - Seal Coat or Chip Seal (Section 409)
 - Other: _____

	Grid (Y/N)	Special Interval	Special Offset
Pavements	-	-	-

- Roadway Elements**
- Curb and Gutter (Section 609)
 - Drop inlets - alignment and grades (Section 604)
 - Retaining Walls
 - Guard Rail (Section 606)
 - Sidewalk (Section 608)
 - Overlay Stationing
 - Other: _____

	Tangent Interval	Curve Interval	Special Offset
Curb & Gutter	-	-	-

- Riprap (Perm) (Section 506)
- Slope and Ditch Paving (Section 507)

	Left Interval	Center Interval	Right Interval
Stationing	-	-	-

- Minor Structures**
- Structure Excavation limits (Section 206)
 - Culverts (Section 603)
 - Culverts w/ Headwalls and Wingwalls (Section 601)
 - Concrete Box Culverts w/ Headwalls and Wingwalls
 - Pipes (Section 603)
 - Sanitary Sewer
 - Storm Sewer
 - Water
 - Irrigation
 - Miscellaneous
 - Manholes (Section 604)
 - Inlets (Section 604)
 - Permanent Water Quality BMP (Section 208)
 - Other: _____

- Major Structures - Overhead Signs (Section 614), Concrete Box Culverts, Bridges - and all other structures assigned a structure number
- Structure Excavation limits (Section 206)
 - Concrete Box Culverts (Section 603) w/ Headwalls and Wingwalls (Section 601)
 - Piling locations and cut off elevations (Section 502)
 - Caisson locations and elevations (Section 503)
 - Footing locations, alignment, and elevations
 - Abutment/Pier locations, alignment, and elevations
 - Wingwall skew angles/offsets
 - Structural concrete form locations
 - Substructure As-constructed survey required for Bridges (Subsection 601 .12) and Overhead signs (S-614-50)
 - Bridge expansion joint(s) alignment and grade (longitudinal and transverse)
 - Deck grades at Girder 10th or "n" th point locations and elevations
 - Slope and Ditch Paving (Section 507)
 - Other: _____

- Fencing (Section 607)**
- Temporary
 - Permanent
 - Sound Barrier
 - Other: _____

- Delineators (Section 612)**
- Temporary
 - Permanent

- Lighting (Section 613) and Traffic Control Devices (Permanent) (Section 614)**
- Signal pole locations and elevations
 - Light pole locations and elevations
 - Sign locations
 - Field verify sign post locations, elevations, and lengths before fabrication.
 - Other: _____

- Pavement Marking (Section 627)**
- Striping (Temp)
 - Striping (Perm)
 - Symbols
 - Other: _____

- Temporary Lighting and Construction Traffic Control Devices (Section 630)
- Signal pole locations and elevations (Temp)
 - Light pole locations and elevations (Temp)
 - Sign Locations (Temp)
 - Other: _____

- All Easements (Temp Staking by P.L.S. Only)
- Right of Way (Temp Staking by P.L.S. Only)

WORK PERFORMED BY THE CONTRACTOR'S SURVEYOR UNDER SECTION 629:

- Monumentation (Section 629)**
- Control
 - Right of Way
 - Land corners, Aliquot corners
 - Easements
 - Reference the specified existing monuments: ** _____
 - Replace the specified existing monuments: ** _____
 - Locate monuments. It is estimated _____ hours are required.

NOTE: All 629 items shall include adequate research, calculations, and evaluations of evidence for monuments to be set.

** A Tabulation of Survey Monuments may be provided on the plans.

GENERAL NOTES:

- Unless indicated otherwise on this Survey Tabulation Sheet, all survey work and staking intervals shall be done in accordance with the latest edition of the CDOT Survey Manual.
- Adequate information for establishing lines, grades, and locations for all work items have been specified on the plans. Any additional information required to stake the item or element shall be generated by the Contractor's surveyor.
- The Contractor's surveyor shall provide an estimate of the man-hours necessary to complete the work items indicated on this sheet. A copy of this sheet, with the estimated man-hours written on the blank line to the left of the specified items, shall be submitted with the Survey Schedule to the Engineer _____ days prior to the Presurvey Conference - Construction Survey.
- Stakes and Monuments which are damaged or destroyed by the progress of construction shall be replaced by the Contractor at no additional cost to the Department.
- The Contractor shall furnish an As Staked (or 3D Design Modeling Electronic Files) Earthwork Quantity report to the Engineer prior to completion of twenty percent (20%) of the planned earthwork in any phase as per the CDOT Survey Manual. A printed copy of the As Staked (or 3D Design Modeling Electronic Files) Earthwork data report and a computer disk with that information on it, in the specified format shall be submitted to the Engineer. The Contractor shall field verify original ground cross sections at a maximum 500 feet intervals.
- Prior to beginning work on any subsequent operation, such as placing base course or paving, the Contractor shall certify in writing to the Engineer that the final grade is within specified tolerance.
- The Contractor's surveyor shall perform all field surveying and calculations necessary to tie plan grades into field grades.
- The Contractor shall coordinate construction staking on the project with any utility work.
- Fieldbooks shall contain daily records of points set and or measurements observed. The information recorded shall contain: date, crew members' names, point no., description, staking information, and sketches. If the survey information is collected electronically, information recorded shall be provided to the Project Engineer in a hard copy format that is intuitive, clear and related to the supplemental information recorded in the field books. All linear surveys, such as slope stakes and blue tops, shall have the station and offset information related to the measured information. Non-linear surveys such as structures staking shall have sketches relating electronic information, such as point numbers, to the sketch.
- The Contractor's surveyor shall submit the following fieldbooks to the Engineer:
 - Horizontal Control (Primary & Secondary)
 - Vertical Control (i.e. Benchmarks)
 - Property Pin Ties
 - Horizontal Alignment
 - Grading
 - Slope Staking
 - Minor Structures
 - Major Structures
 - One fieldbook for each work category shown on this sheet
 - Other Fieldbook(s): _____
- The Contractor's surveyor shall submit the following (prior to surveying on the project) to the Engineer:
 - All required Instrument Calibrations



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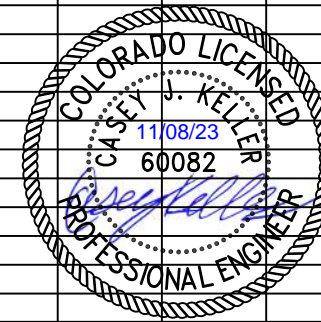
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 EAGLE, CO 81631

AS CONSTRUCTED	US 6 & HILLCREST ROUNDABOUT SURVEY TABULATION			PROJECT NO./CODE
	NO. REVISIONS:			118339-01
	DESIGNED:	CJK	STRUCTURE NUMBERS	
	DETAILED:	CJK		
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SUMMARY OF APPROXIMATE QUANTITIES

Contract Item No.	Contract Item	Unit	Miscellaneous		Roadway		Drainage		Erosion		Signing & Striping		Phasing/CTC		Lighting		Utilities		Project Totals		
			Plan	As Const	Plan	As Const	Plan	As Const	Plan	As Const	Plan	As Const	Plan	As Const	Plan	As Const	Plan	As Const	Plan	As Const	
201-00000	CLEARING AND GRUBBING	L S	1																	1	
202-00019	REMOVAL OF INLET	EACH						2												2	
202-00035	REMOVAL OF PIPE	LF						90												90	
202-00037	REMOVAL OF END SECTION	EACH						2												2	
202-00047	REMOVAL OF ELECTRICAL EQUIPMENT	LS														1				1	
202-00200	REMOVAL OF SIDEWALK	SY			450															450	
202-00203	REMOVAL OF CURB AND GUTTER	LF			390															390	
202-00206	REMOVAL OF CONCRETE CURB RAMP	SY			14															14	
202-00220	REMOVAL OF ASPHALT MAT	SY			3,651															3,651	
202-00240	REMOVAL OF ASPHALT MAT (PLANING)	SY			517															517	
202-00250	REMOVAL OF PAVEMENT MARKING	SF									2,689									2,689	
202-00700	REMOVAL OF LIGHT STANDARD	EACH														1				1	
202-00750	REMOVAL OF LUMINAIRE	EACH														1				1	
202-00810	REMOVAL OF GROUND SIGN	EACH									2									2	
202-01000	REMOVAL OF FENCE	LF			609															609	
202-01130	REMOVAL OF GUARDRAIL TYPE 3	LF			197															197	
202-04002	CLEAN CULVERT	EACH						1												1	
202-04005	CLEAN VALVE BOX	EACH																1		1	
203-00101	GEOGRID REINFORCEMENT	SY			500															500	
203-00010	UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE)	CY			1,923													102		2,025	
203-00050	UNSUITABLE MATERIAL	CY	300																	300	
203-01500	BLADING	HOUR								16										16	
203-01550	DOZING	HOUR								16										16	
203-01594	COMBINATION LOADER	HOUR								16										16	
203-01597	POTHOLING	HOUR	100																	100	
206-00510	FILTER MATERIAL (CLASS A)	CY						4												4	
207-00700	TOPSOIL (ONSITE)	CY			297					726										1,023	
207-00704	SUBGRADE SOIL PREPARATION	SY								4,356										4,356	
208-00008	EROSION LOG TYPE 2 (12 INCH)	LF								1,150										1,150	
208-00035	AGGREGATE BAG	LF								100										100	
208-00046	PRE-FABRICATED CONCRETE WASHOUT STRUCTURE (TYPE 1)	EACH								2										2	
208-00052	STORM DRAIN INLET PROTECTION (TYPE II)	LF								60										60	
208-00075	PRE-FABRICATED VEHICLE TRACKING PAD	EACH								2										2	
208-00103	REMOVAL AND DISPOSAL OF SEDIMENT (LABOR)	HOUR								16										16	
208-00105	REMOVAL AND DISPOSAL OF SEDIMENT (EQUIPMENT)	HOUR								16										16	
208-00106	SWEEPING (SEDIMENT REMOVAL)	HOUR								16										16	
208-00107	REMOVAL OF TRASH	HOUR								8										8	
208-00207	EROSION CONTROL MANAGEMENT	DAY								39										39	
210-00810	RESET GROUND SIGN	EACH										1								1	
210-04010	ADJUST MANHOLE	EACH																2		2	
210-04050	ADJUST VALVE BOX	EACH															1			1	
212-00700	ORGANIC FERTILIZER	LB								270										270	
212-00701	COMPOST (MECHANICALLY APPLIED)	CY								20										20	
212-00702	BIOTIC SOIL AMENDMENTS (HYDRAULICALLY APPLIED)	LB								2,100										2,100	
212-00703	HUMATE	LB								90										90	
212-00704	MYCORRHIZAE	LB								18										18	
212-00707	SEEDING (NATIVE) HYDRAULIC	ACRE								0.6										0.6	
212-00708	SEEDING (NATIVE) BROADCAST	ACRE								0.3										0.3	
213-00012	SPRAY-ON MULCH BLANKET	ACRE								0.9										0.9	
216-00201	SOIL RETENTION BLANKET (STRAW-COCONUT) (BIODEGRADABLE CLASS 1)	SY								168										168	
216-00304	TURF REINFORCEMENT MAT (SPECIAL)	SY			133															133	
217-00020	HERBICIDE TREATMENT	HOUR								8										8	
240-00000	WILDLIFE BIOLOGIST	HOUR	24																	24	
240-00010	REMOVAL OF NESTS	HOUR	16																	16	
304-01005	AGGREGATE BASE COURSE (CLASS 1)	CY			74															74	
304-06007	AGGREGATE BASE COURSE (CLASS 6)	CY			851															851	



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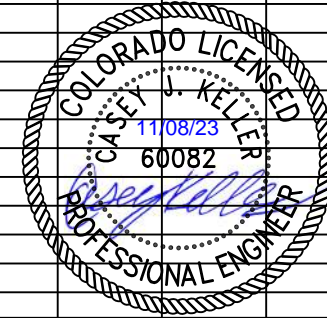
US 6 & HILLCREST ROUNDABOUT
SUMMARY OF APPROXIMATE QUANTITIES
 Designer: CJK
 Detailer: CJK
 Sheet Subset: SAQ

PROJECT NO./CODE
118339-01
 STRUCTURE NUMBERS
 SAQ-01 OF 03
6

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SUMMARY OF APPROXIMATE QUANTITIES (CONTINUED)

Contract Item No.	Contract Item	Unit	Miscellaneous		Roadway		Drainage		Erosion		Signing & Striping		Phasing/CTC		Lighting		Utilities		Project Totals		
			Plan	As Const	Plan	As Const	Plan	As Const	Plan	As Const	Plan	As Const	Plan	As Const	Plan	As Const	Plan	As Const	Plan	As Const	
403-00720	HOT MIX ASPHALT (PATCHING) (ASPHALT)	TON			20															20	
403-34721	HOT MIX ASPHALT (GRADING SX) (75) (PG 58-28)	TON			138															138	
403-34731	HOT MIX ASPHALT (GRADING SX) (75) (PG 58-34)	TON			182															182	
411-10255	EMULSIFIED ASPHALT (SLOW-SETTING)	GAL			100															100	
412-00800	CONCRETE PAVEMENT (8 INCH)	SY			1,773															1,773	
412-00801	CONCRETE PAVEMENT (8 INCH) (SPECIAL)	SY			247															247	
412-00805	CONCRETE PAVEMENT (8 INCH) (FAST TRACK)	SY			197															197	
503-00018	DRILLED SHAFT (18 INCH)	LF									54									54	
506-00409	SOIL RIPRAP (9 INCH)	CY					5													5	
603-01185	18 INCH REINFORCED CONCRETE PIPE (COMPLETE IN PLACE)	LF					78													78	
603-01245	24 INCH REINFORCED CONCRETE PIPE (COMPLETE IN PLACE)	LF					621													621	
603-01365	36 INCH REINFORCED CONCRETE PIPE (COMPLETE IN PLACE)	LF					82													82	
603-02245	30X19 INCH REINFORCED CONCRETE PIPE ELLIPTICAL (COMPLETE IN PLACE)	LF					116													116	
603-05024	24 INCH REINFORCED CONCRETE END SECTION	EACH					1													1	
603-05036	36 INCH REINFORCED CONCRETE END SECTION	EACH					2													2	
603-05124	30X19 INCH REINFORCED CONCRETE END SECTION ELLIPTICAL	EACH					2													2	
604-16005	INLET TYPE 16 (5 FOOT)	EACH					2													2	
604-16010	INLET TYPE 16 (10 FOOT)	EACH					8													8	
604-16510	INLET TYPE 16 (DOUBLE) (10 FOOT)	EACH					2													2	
604-30000	MANHOLE SLAB BASE (SPECIAL)	EACH					1													1	
604-30010	MANHOLE SLAB BASE (10 FOOT)	EACH					9													9	
606-00302	GUARDRAIL TYPE 3 (31 INCH MIDWEST GUARDRAIL SYSTEM)	LF			92															92	
606-01340	END ANCHORAGE TYPE 3D	EACH			1															1	
606-01370	TRANSITION TYPE 3G	EACH			1															1	
606-01380	TRANSITION TYPE 3H	EACH			1															1	
606-02003	END ANCHORAGE (NONFLARED)	EACH			1															1	
606-02005	END ANCHORAGE (FLARED)	EACH			1															1	
607-53172	FENCE CHAIN LINK (72 INCH)	LF			176															176	
608-00006	CONCRETE SIDEWALK (6 INCH)	SY			999															999	
608-00010	CONCRETE CURB RAMP	SY			158															158	
609-21010	CURB AND GUTTER TYPE 2 (SECTION I-B)	LF			141															141	
609-21011	CURB AND GUTTER TYPE 2 (SECTION I-M)	LF			925															925	
609-21013	CURB AND GUTTER TYPE 2 (SECTION I-M) (SPECIAL)	LF			227															227	
609-21020	CURB AND GUTTER TYPE 2 (SECTION II-B)	LF			1,283															1,283	
609-24004	GUTTER TYPE 2 (4 FOOT)	LF			58															58	
610-00026	MEDIAN COVER MATERIAL (6 INCH PATTERNED CONCRETE)	SF			2,053															2,053	
613-01200	2 INCH ELECTRICAL CONDUIT (PLASTIC)	LF														940				940	
613-01400	4 INCH ELECTRICAL CONDUIT (PLASTIC)	LF														150				150	
613-07011	PULL BOX (11"x18"x12")	EACH														14				14	
613-10000	WIRING	L S														1				1	
613-13008	LUMINAIRE (LED) (8,000 LUMENS)	EACH														8				8	
613-32350	LIGHT STANDARD STEEL (35 FOOT)	EACH														8				8	
613-40010	LIGHT STANDARD FOUNDATION	EACH														8				8	
613-40020	TRANSFORMER BASE ALUMINUM	EACH														8				8	
613-50109	METER POWER PEDESTAL	EACH														1				1	
613-50375	SOLAR COLLECTION SYSTEM	EACH									9									9	
614-00011	SIGN PANEL (CLASS I)	SF									243									243	
614-01585	STEEL SIGN SUPPORT (2-1/2 INCH ROUND SCH 80) (POST)	LF									218									218	
614-01588	STEEL SIGN SUPPORT (2-1/2 INCH ROUND SCH 80) (SLIPBASE)	EACH									23									23	
614-72860	PEDESTRIAN PUSH BUTTON	EACH									9									9	
614-80003	RECTANGULAR RAPID FLASHING BEACON	EACH									12									12	
614-84000	TRAFFIC SIGNAL PEDESTAL POLE STEEL	EACH									9									9	
619-00004	INSULATION BOARD	SF																2,688		2,688	
620-00001	FIELD OFFICE (CLASS 1)	EACH	1																	1	
620-00011	FIELD LABORATORY (CLASS 1)	EACH	1																	1	
620-00020	SANITARY FACILITY	EACH	1																	1	



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US 6 & HILLCREST ROUNDABOUT
SUMMARY OF APPROXIMATE QUANTITIES

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 Sheet Subset: SAQ

STRUCTURE NUMBERS

SAQ-02 OF 03

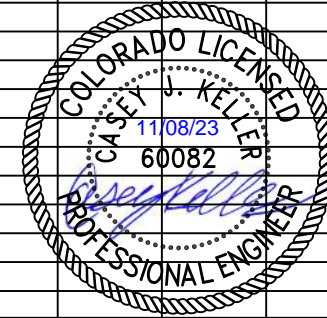
PROJECT NO./CODE

118339-01

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SUMMARY OF APPROXIMATE QUANTITIES (CONTINUED)

Contract Item No.	Contract Item	Unit	Miscellaneous		Roadway		Drainage		Erosion		Signing & Striping		Phasing/CTC		Lighting		Utilities		Project Totals		
			Plan	As Const	Plan	As Const	Plan	As Const	Plan	As Const	Plan	As Const	Plan	As Const	Plan	As Const	Plan	As Const	Plan	As Const	
621-00450	DETOUR PAVEMENT	SY											1,850							1,850	
625-00000	CONSTRUCTION SURVEYING	L S	1																	1	
626-00000	MOBILIZATION	L S	1																	1	
627-00001	PAVEMENT MARKING PAINT	GAL											40							40	
627-00008	MODIFIED EPOXY PAVEMENT MARKING	GAL										33								33	
627-30407	PREFORMED THERMOPLASTIC PAVEMENT MARKING (WORD-SYMBOL) (SPECIAL)	SF										48								48	
627-30411	PREFORMED THERMOPLASTIC PAVEMENT MARKING (XWALK-STOPLINE) (SPECIAL)	SF										324								324	
630-00000	FLAGGING	HOUR											1200							1,200	
630-00007	TRAFFIC CONTROL INSPECTION	DAY											34							34	
630-00012	TRAFFIC CONTROL MANAGEMENT	DAY											86							86	
630-80335	BARRICADE (TYPE 3 M-A) (TEMPORARY)	EACH											10							10	
630-80341	CONSTRUCTION TRAFFIC SIGN (PANEL SIZE A)	EACH											50							50	
630-80342	CONSTRUCTION TRAFFIC SIGN (PANEL SIZE B)	EACH											30							30	
630-80355	PORTABLE MESSAGE SIGN PANEL	EACH											2							2	
630-80358	ADVANCE WARNING FLASHING OR SEQUENCING ARROW PANEL (C TYPE)	EACH											1							1	
630-80360	DRUM CHANNELIZING DEVICE	EACH											200							200	
630-80372	CONCRETE BARRIER (TEMPORARY) (FURNISH AND INSTALL)	LF											900							900	
630-80380	TRAFFIC CONE	EACH											150							150	
630-85010	IMPACT ATTENUATOR (TEMPORARY)	EACH											2							2	
700-70010	F/A MINOR CONTRACT REVISIONS	F/A	1																	1	
700-70082	F/A FURNISH & INSTALL ELECTRICAL SERVICE	F/A																1		1	
700-70380	F/A EROSION CONTROL	F/A							1											1	
700-90050	F/A RELOCATE	F/A																1		1	
950-00502	UTILITY WORK	LS																1		1	



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US 6 & HILLCREST ROUNDABOUT
 SUMMARY OF APPROXIMATE QUANTITIES

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PROJECT NO./CODE
118339-01
 STRUCTURE NUMBERS
 SAQ-03 OF 03
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Tabulation of Removal and Reset Quantities			
ITEM NO.	ITEM	UNIT	PROJECT TOTAL
201-00000	Clearing and Grubbing	LS	1
202-00200	Removal Of Sidewalk	SY	450
202-00203	Removal Of Curb And Gutter	LF	390
202-00206	Removal Of Concrete Curb Ramp	SY	14
202-00220	Removal Of Asphalt Mat	SY	3651
202-00240	Removal Of Asphalt Mat (Planing)	SY	517
202-01000	Removal Of Fence	LF	609
202-01130	Removal Of Guardrail Type 3	LF	197

Tabulation of Roadway Quantities			
ITEM NO.	ITEM	UNIT	PROJECT TOTAL
203-00010	Unclassified Excavation (Complete in Place)	CY	1923
203-00050	Unsuitable Material	CY	300
203-00101	Geogrid Reinforcement	SY	500
203-01597	Potholing	HR	100
207-00700	Topsoil (Onsite)	CY	297
216-00304	Turf Reinforcement Mat (Special)	SY	133
240-00000	Wildlife Biologist	HR	24
240-00010	Removal Of Nests	HR	16
304-01005	Aggregate Base Course (Class 1)	CY	74
304-06007	Aggregate Base Course (Class 6)	CY	851
403-00720	Hot Mix Asphalt (Patching) (Asphalt)	TON	20
403-34721	Hot Mix Asphalt (Grading SX) (75) PG 58-28	TON	138
403-34731	Hot Mix Asphalt (Grading SX) (75) PG 58-34	TON	182
411-10255	Emulsified Asphalt (Slow-Setting)	GAL	100
412-00800	Concrete Pavement (8 Inch)	SY	1773
412-00801	Concrete Pavement (8 Inch) (Special)	SY	247
412-00805	Concrete Pavement (8 Inch) (Fast Track)	SY	197
606-00302	Guardrail Type 3 (31 Inch Midwest Guardrail System)	LF	92
606-01340	End Anchorage Type 3D	EA	1
606-01370	Transition Type 3G	EA	1
606-01380	Transition Type 3H	EA	1
606-02003	End Anchorage (Nonflared)	EA	1
606-02005	End Anchorage (Flared)	EA	1
607-53172	Fence Chain Link (72 Inch)	LF	176
608-00006	Concrete Sidewalk (6 Inch)	SY	999
608-00010	Concrete Curb Ramp	SY	158
609-21010	Curb and Gutter Type 2 (Section I-B)	LF	141
609-21011	Curb and Gutter Type 2 (Section I-M)	LF	925
609-21013	Curb and Gutter Type 2 (Section I-M) (Special)	LF	227
609-21020	Curb and Gutter Type 2 (Section II-B)	LF	1283
609-24004	Gutter Type 2 (4 Foot)	LF	58
610-00026	Median Cover Material (6 Inch Patterned Concrete)	SF	2053
620-00001	Field Office (Class 1)	EA	1
620-00011	Field Laboratory (Class 1)	EA	1
620-00020	Sanitary Facility	EA	1
625-00000	Construction Surveying	LS	1
626-00000	Mobilization	LS	1

Tabulation of Earthwork Quantities

INDEX			ITEM	PROJECT TOTALS	
BOOK	PAGE	SHEET		CU. YDS.	
			UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE) 203-00010 FROM END AREA METHOD:		
			US 6 HILLCREST	1,730 193	
			TOTAL (PAY QUANTITY)	1,923	

FOR INFORMATION ONLY:

			EMBANKMENT MATERIAL (COMPLETE IN PLACE) (FOR INFORMATION ONLY) FROM END AREA METHOD:	CU. YDS.	
			US 6 HILLCREST ADJUSTMENTS:	1,440 60	
			SUBTRACT TOPSOIL VOLUME IN FILL CONDITION (6" DEPTH)	271	
			TOTAL (FOR INFORMATION ONLY)	1,229	

FOR INFORMATION ONLY:

			COMPACTION (MOISTURE & DENSITY CONTROL)	CU. YDS.	
			EMBANKMENT (NET)	1,229	
			BASES OF CUTS & FILLS (8" DEPTH)	1,446	
			TOTAL (FOR INFORMATION ONLY)	2,675	
			WETTING QUANTITIES (FOR COMPACTION)	M. GAL.	
			2675 x 0.040 MILLION GALLONS/CY	107	
			TOTAL (FOR INFORMATION ONLY)	107	
			EARTHWORK QUANTITY BALANCE (FOR INFORMATION ONLY)	CU. YDS.	
			EMBANKMENT (NET)	1,229	
			EMBANKMENT x FACTOR (1.15)	1,414	
			EMBANKMENT REQUIRED FOR SHRINKAGE BASES OF CUTS & FILLS	217	
			BALANCE TOTAL	1,630	
			UNCLASSIFIED EXCAVATION	1,923	
			TO BE DISPOSED OF BY CONTRACTOR	293	



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US 6 & HILLCREST ROUNDABOUT
 TABULATION OF ROADWAY QUANTITIES

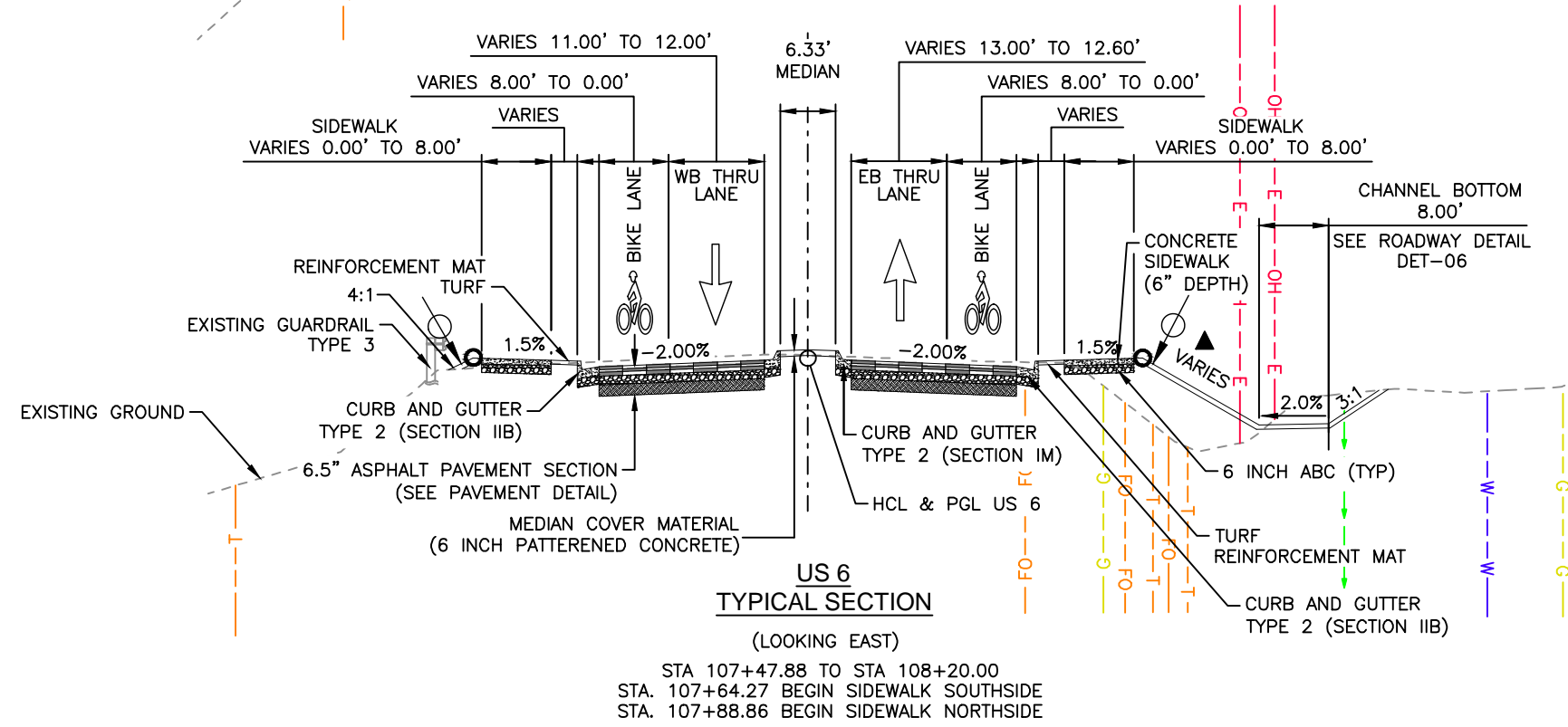
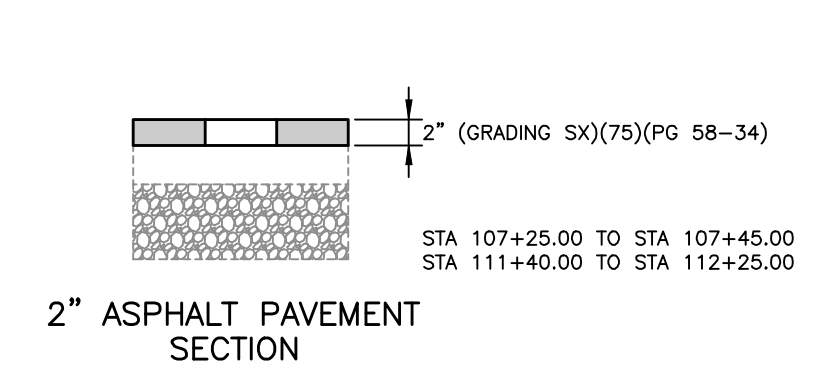
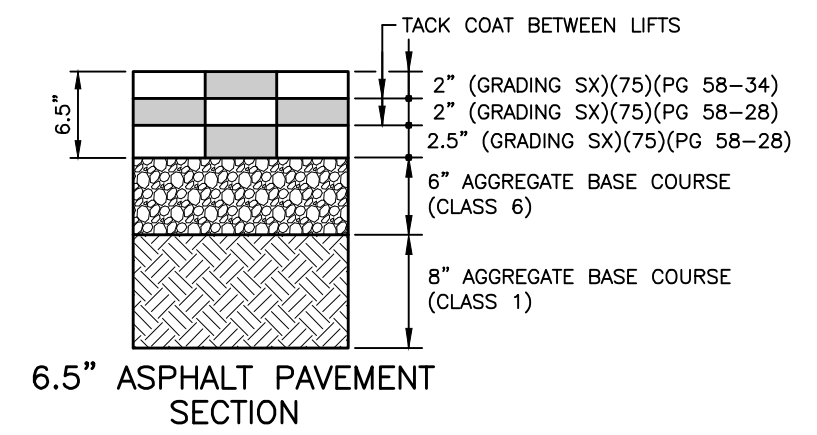
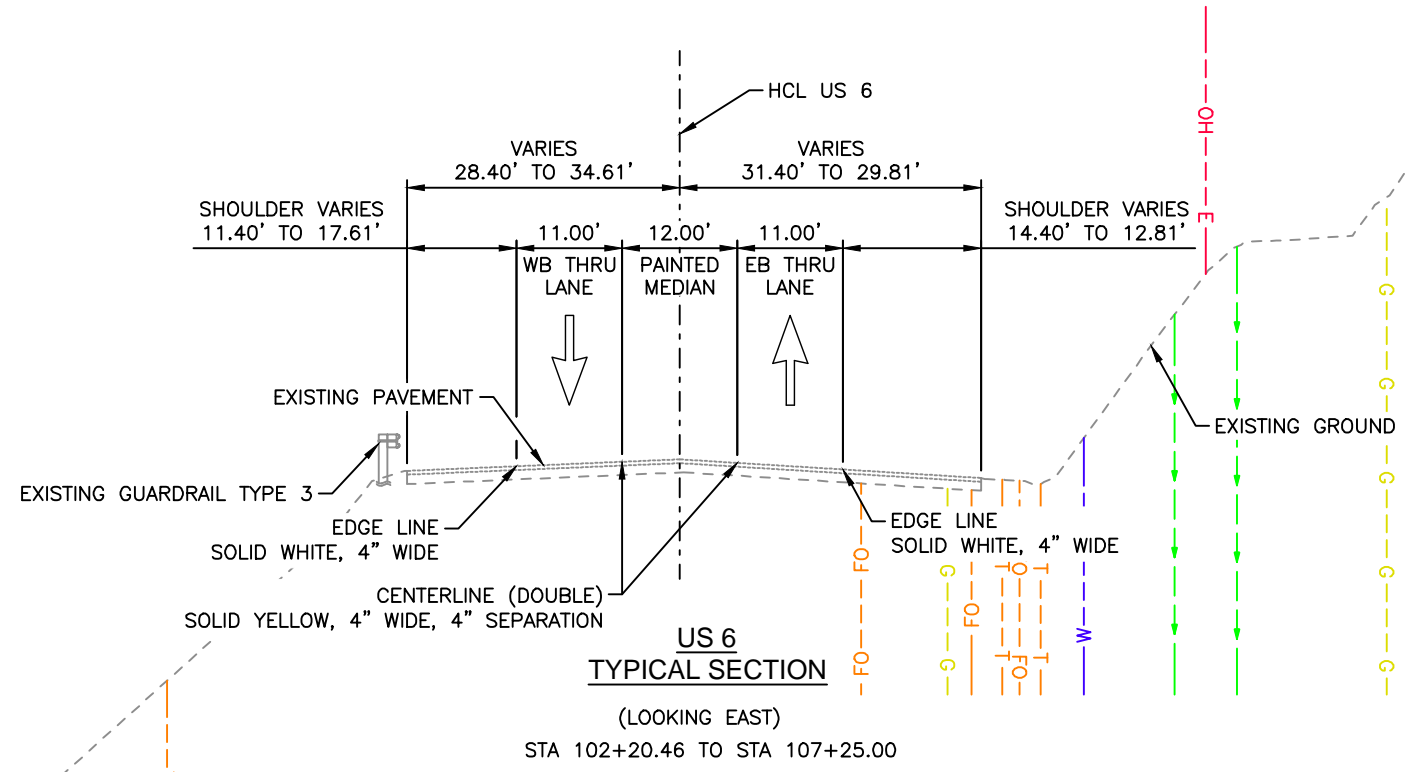
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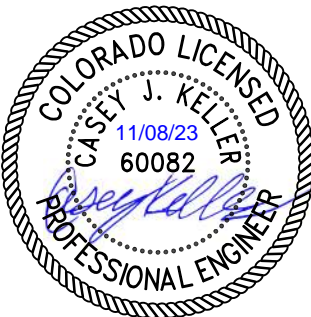
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108+08.80 TO 108+20.00
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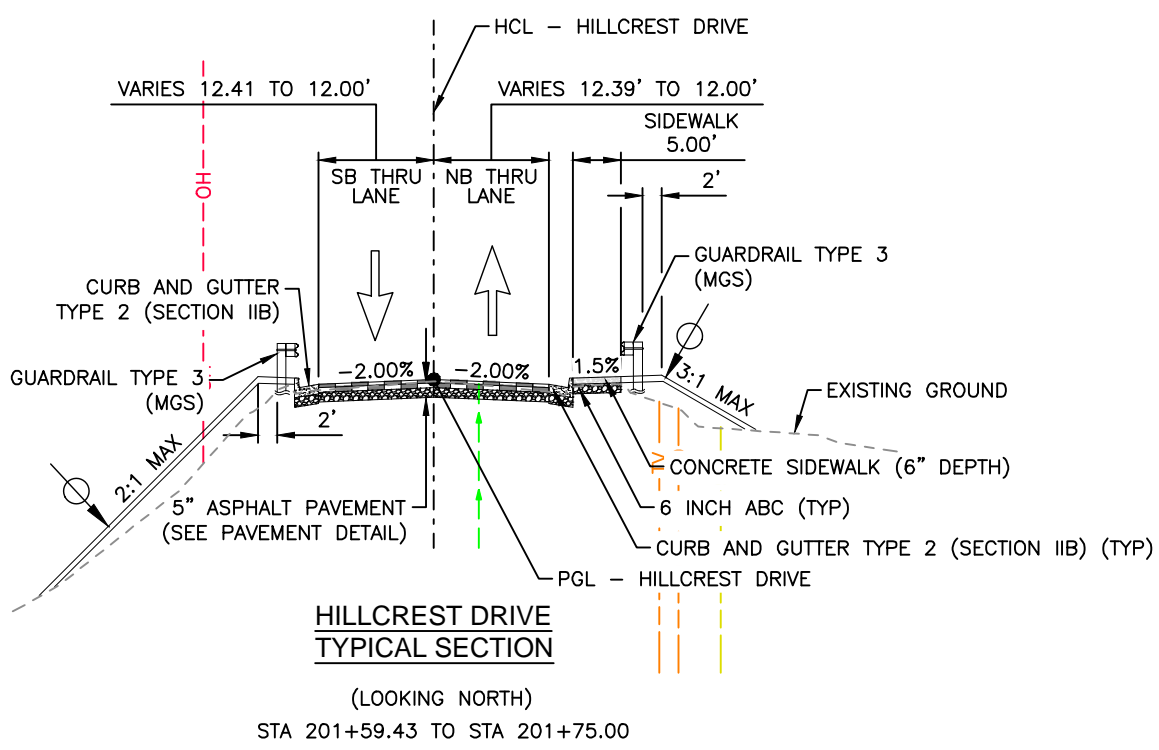
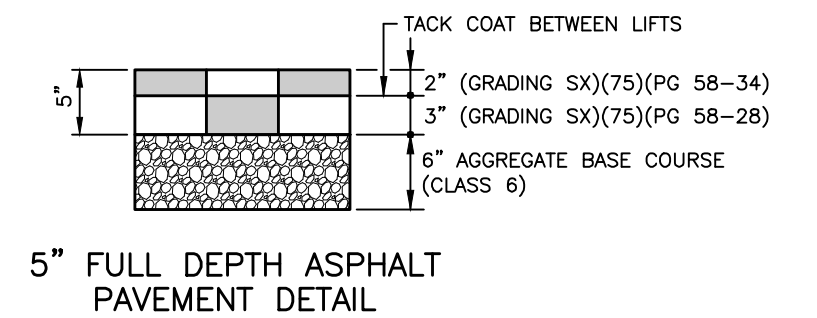
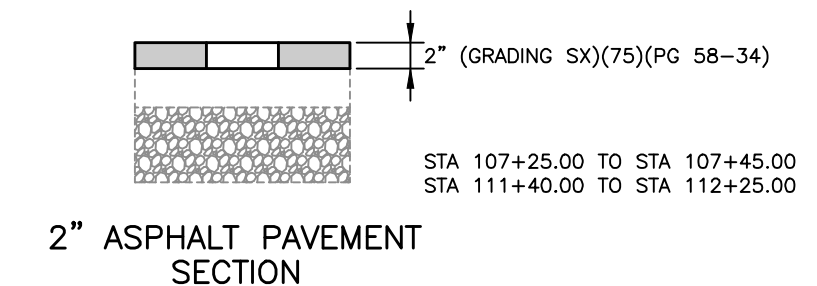
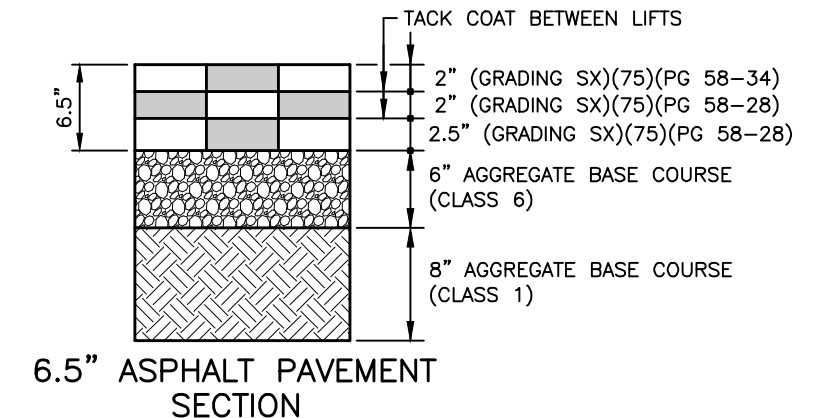
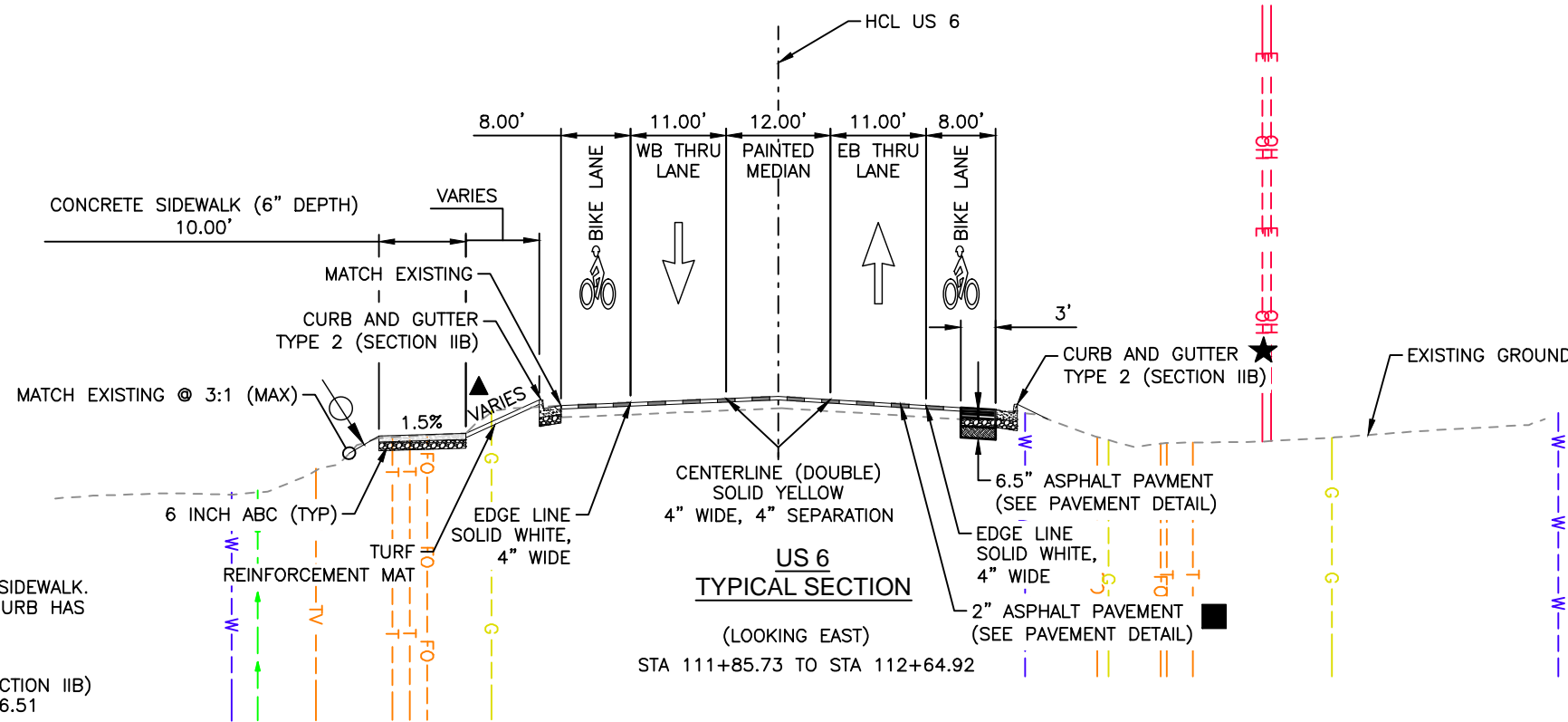
1. THE CONTRACTOR SHALL PLACE 6 INCHES OF TOPSOIL AND STAKED SOD TO THIS LINE AFTER COMPLETION OF PAVING OPERATIONS.
2. EXISTING UTILITIES SHOWN FOR INFORMATION ONLY. SEE UTILITY PLANS FOR ADDITIONAL INFORMATION.
3. SEE ROADWAY PLANS FOR ASPHALT TO CONCRETE PAVEMENT TRANSITION STATIONING & LOCATION.
4. SEE ROADWAY PLANS & DETAILS FOR SPECIFIC GEOMETRY THAT IS NOT WITHIN THE STATION RANGE OF EACH TYPICAL SECTION.
5. SHOULDERS ARE TO BE TIED PER CDOT STANDARD M-609-1. BARS SHALL BE EPOXY-COATED #4 CONFORMING TO AASHTO M 284 AND SPACED AT 3 FT. INTERVAL.

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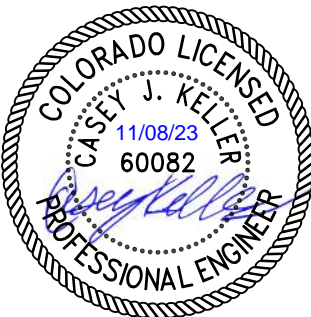
I:\118339-01 US6W Hillcrest to Arrowgrass\04_CIVIL\CADD\Drawings\0118339-01TYP01_10/31/2023 2:52:37 PM, Casey Keller



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- ▲ MATCH EXISTING AT INSIDE OF SIDEWALK. THE SLOPE AT THE BACK OF CURB HAS A MAXIMUM SLOPE OF 4:1.
- ★ CURB AND GUTTER TYPE 2 (SECTION IIB) STA 112+25.00 TO STA 112+46.51
- 2" ASPHALT PAVEMENT SECTION STA 112+25.00 TO STA 112+46.51



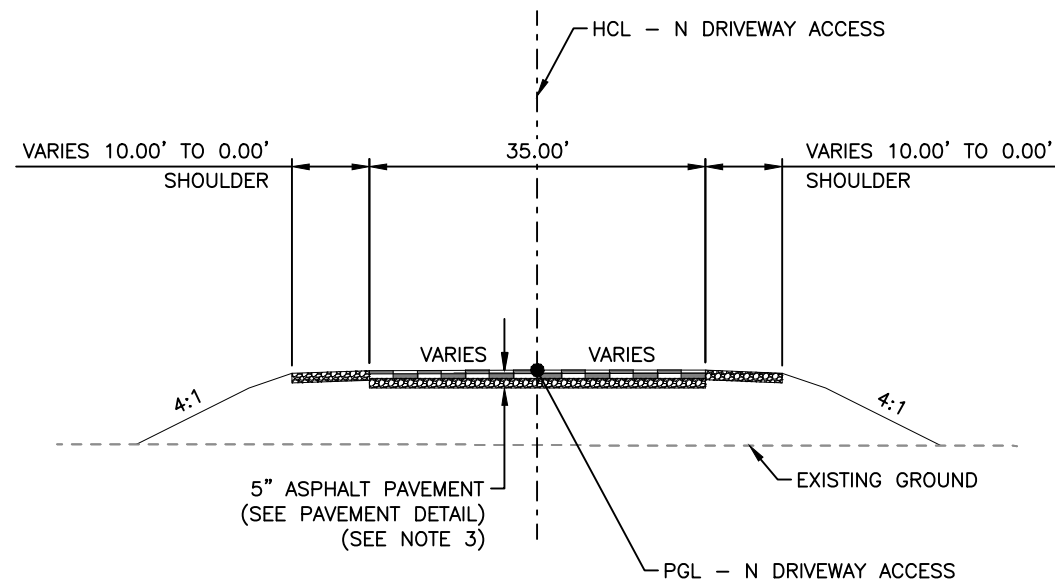
- NOTES:**
1. THE CONTRACTOR SHALL PLACE 6 INCHES OF TOPSOIL AND STAKED SOD TO THIS LINE AFTER COMPLETION OF PAVING OPERATIONS.
 2. EXISTING UTILITIES SHOWN FOR INFORMATION ONLY. SEE UTILITY PLANS FOR ADDITIONAL INFORMATION.
 3. SEE ROADWAY PLANS FOR ASPHALT TO CONCRETE PAVEMENT TRANSITION STATIONING & LOCATION.
 4. SEE ROADWAY PLANS & DETAILS FOR SPECIFIC GEOMETRY THAT IS NOT WITHIN THE STATION RANGE OF EACH TYPICAL SECTION.
 5. SHOULDERS ARE TO BE TIED PER CDOT STANDARD M-609-1. BARS SHALL BE EPOXY-COATED #4 CONFORMING TO AASHTO M 284 AND SPACED AT 3 FT. INTERVAL.

PRINT DATE: 11/01/2023 11:32 AM	Sheet Status		ENGINEERING P.O. BOX 500 BROADWAY EAGLE, CO 81631	AS CONSTRUCTED	US 6 & HILLCREST ROUNDABOUT		PROJECT NO./CODE
FILE NAME: D118339-01TYP01.DWG				US 6 & HILLCREST DRIVE		118339-01	
Horizontal Scale: 1" = 20' Vertical Scale: N/A	AD PLAN SET		6400 S. Fiddlers Green Circle, Suite 1500 Greenwood Village, CO 80111 Phone: 303.721.1440 www.FHUENG.com	NO. REVISIONS:	Designer: CJK	STRUCTURE NUMBERS	12
				REVISED:	Detailer: CJK		
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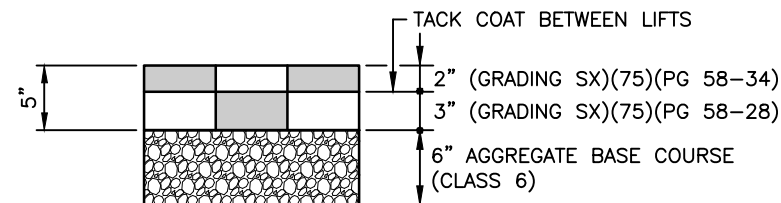
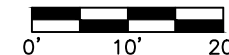
**N ERWSD DRIVEWAY ACCESS
TYPICAL SECTION**

(LOOKING NORTHEAST)
STA 50+45.37 TO STA 51+53.28

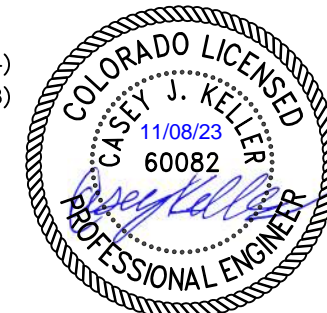
NOTES:

- EXISTING UTILITIES SHOWN FOR INFORMATION ONLY. SEE UTILITY PLANS FOR ADDITIONAL INFORMATION.
- SEE ROADWAY PLANS & DETAILS FOR SPECIFIC GEOMETRY THAT IS NOT WITHIN THE STATION RANGE OF EACH TYPICAL SECTION.
- FROM STA 50+29.00 TO STA 50+35.33 AND STA 50+45.37 TO STA 50+53.28 THE PAVEMENT SECTION OF THE DRIVEWAY ACCESS WILL BE 5" FULL DEPTH ASPHALT PAVEMENT (SEE DETAIL THIS SHEET), FROM STA 50+35.33 TO STA 50+45.37 THE PAVEMENT SECTION OF THE DRIVEWAY ACCESS WILL BE THE 6" CONCRETE SIDEWALK THAT CROSSES THE ACCESS.

HORIZ SCALE: 1"=20'



**5" FULL DEPTH ASPHALT
PAVEMENT DETAIL**



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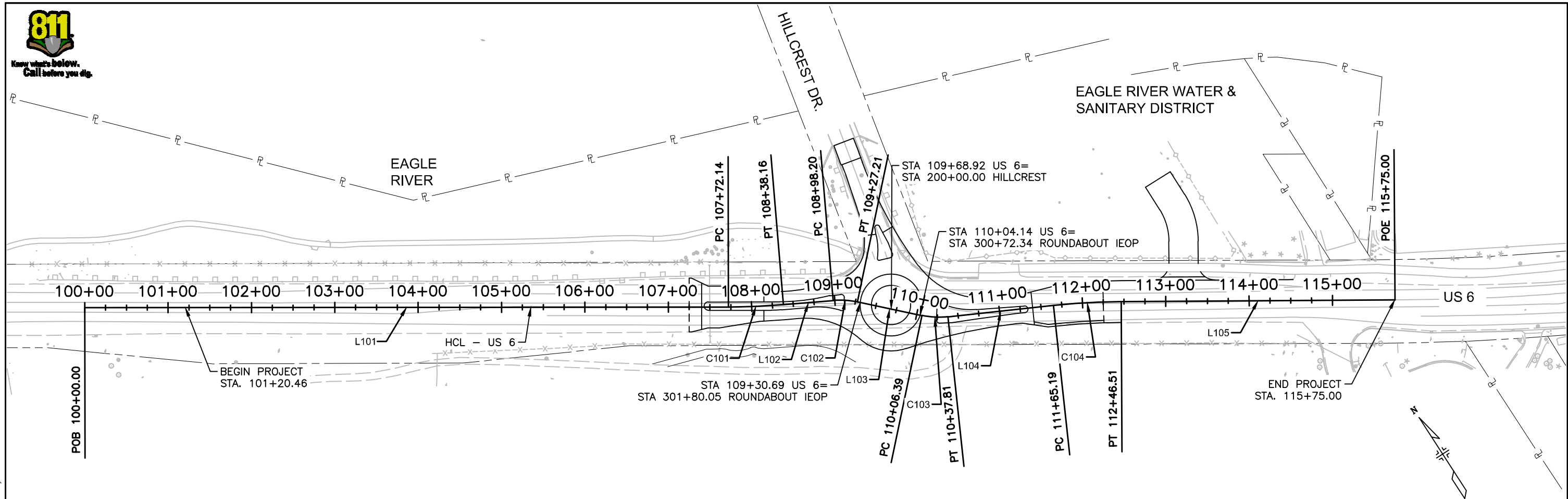
AS CONSTRUCTED	US 6 & HILLCREST ROUNDABOUT TYPICAL SECTION US 6 & HILLCREST DRIVE
NO. REVISIONS:	
REVISED:	
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DESIGNER: CJK	STRUCTURE NUMBERS
DETAILER: CJK	
SHEET SUBSET: TYPICALS	

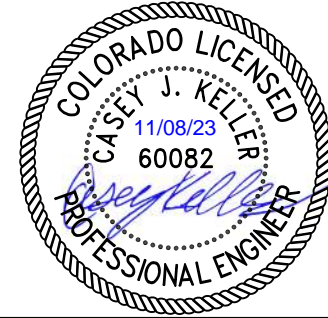
PROJECT NO./CODE
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13



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HCL - US 6									
NO.		STATION	NORTHING	EASTING	LENGTH	LINE/CHORD BEARING	DELTA	TANGENT	RADIUS
L101		100+00.00 107+72.14	1665554.1031 1665134.2668	2681267.3895 2681915.4195	772.14'	S57°03'44"E			
C101	PC= PI= PT=	107+72.14 108+05.17 108+38.16	1665134.2668 1665116.3079 1665100.6951	2681915.4195 2681943.1396 2681972.2458	66.02'	S59°25'35"E	4°43'42"	33.03'	800.00'
L102		108+38.16 108+98.20	1665100.6951 1665072.3179	2681972.2458 2682025.1482	60.03'	S61°47'26"E			
C102	PC= PI= PT=	108+98.20 109+12.81 109+27.21	1665072.3179 1665065.4125 1665055.1132	2682025.1482 2682038.0215 2682048.3815	29.01'	S53°28'46"E	16°37'21"	14.61'	100.00'
L103		109+27.21 110+06.39	1665055.1132 1664999.2851	2682048.3815 2682104.5382	79.19'	S45°10'05"E			
C103	PC= PI= PT=	110+06.39 110+22.23 110+37.81	1664999.2851 1664988.1203 1664980.9717	2682104.5382 2682115.7687 2682129.8993	31.41'	S54°10'00"E	17°59'50"	15.84'	100.00'
L104		110+37.81 111+65.19	1664980.9717 1664923.4673	2682129.8993 2682243.5675	127.39'	S63°09'55"E			
C104	PC= PI= PT=	111+65.19 112+05.88 112+46.51	1664923.4673 1664905.0975 1664883.1380	2682243.5675 2682279.8788 2682314.1386	81.32'	S60°15'12"E	5°49'26"	40.69'	800.00'
L105		112+46.51 115+75.00	1664883.1380 1664705.8732	2682314.1386 2682590.6962	328.49'	S57°20'29"E			



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**US 6 & HILLCREST ROUNDABOUT
 GEOMETRIC CONTROL
 US 6 WEST**

Designer: CJK
 Detailer: SWD
 Sheet Subset: GEOMETRY

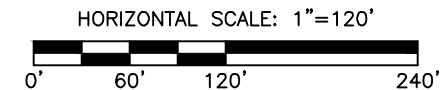
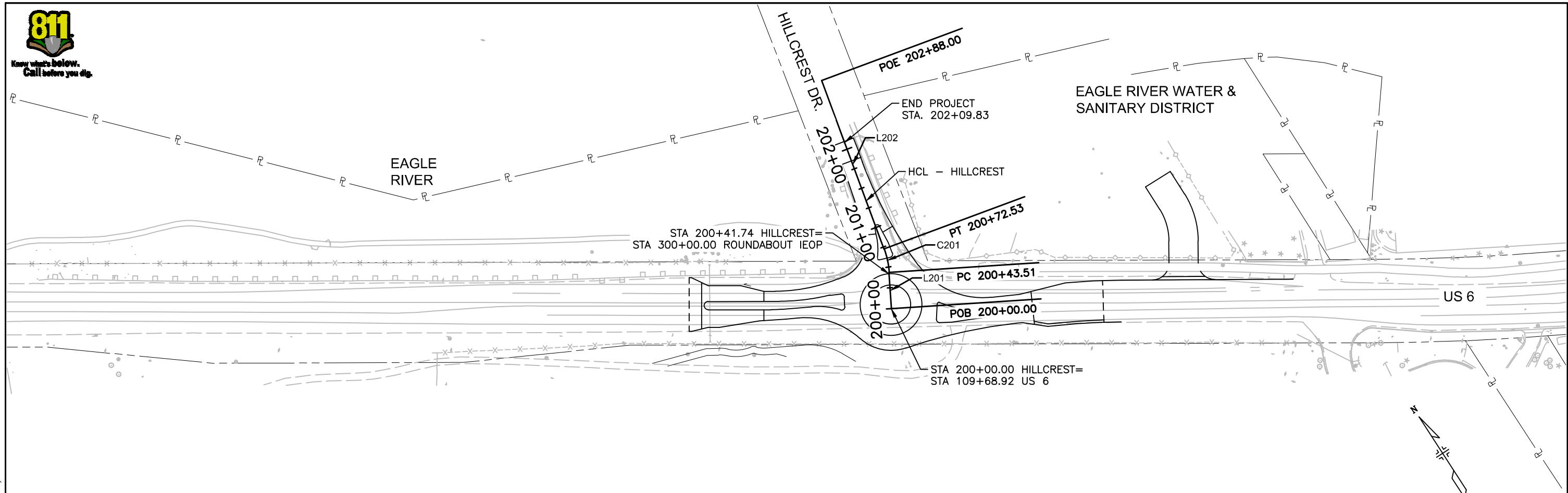
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 GEO-01 OF 07

PROJECT NO./CODE
118339-01
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HCL - HILLCREST									
NO.		STATION	NORTHING	EASTING	LENGTH	LINE/CHORD BEARING	DELTA	TANGENT	RADIUS
L201		200+00.00 200+43.51	1665025.7087 1665063.6519	2682077.9591 2682099.2543	43.51'	N29°18'10"E			
C201	PC= PI= PT=	200+43.51 200+58.12 200+72.53	1665063.6519 1665076.3936 1665090.6488	2682099.2543 2682106.4055 2682109.6120	29.02'	N20°59'24"E	16°37'33"	14.61'	100.00'
L202		200+72.53 202+88.00	1665090.6488 1665300.8681	2682109.6120 2682156.8988	215.47'	N12°40'38"E			



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**US 6 & HILLCREST ROUNDABOUT
 GEOMETRIC CONTROL
 HILLCREST DRIVE**

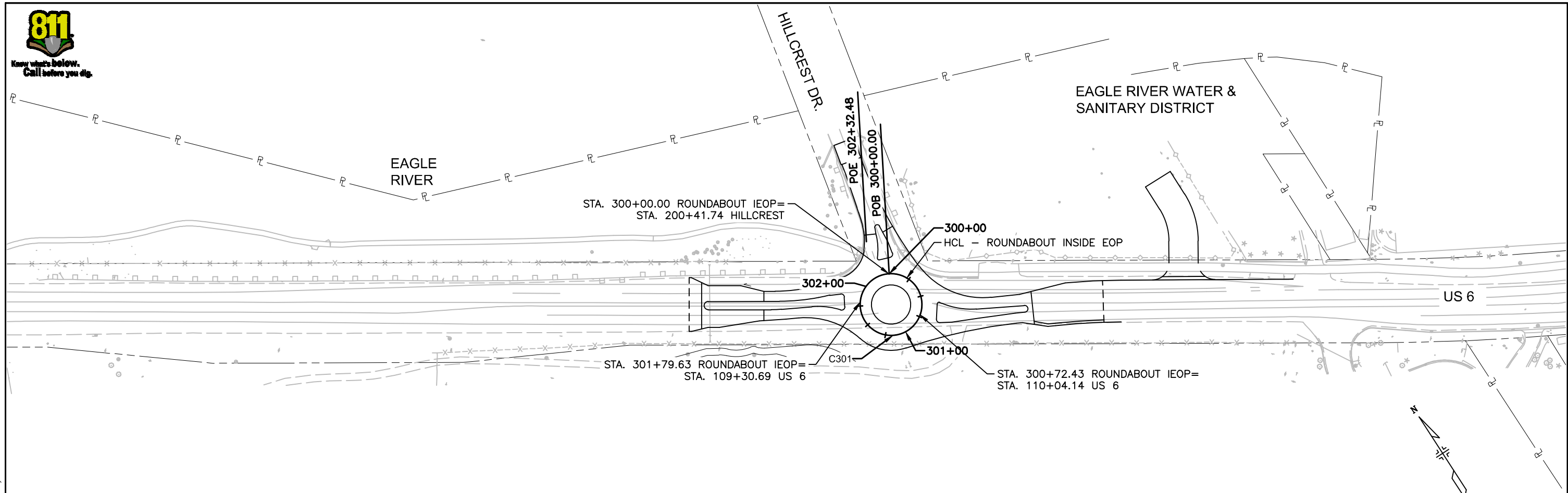
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Detailer: SWD	
Sheet Subset: GEOMETRY	GEO-02 OF 07

PROJECT NO./CODE
118339-01
15

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ROUNDAABOUT - INSIDE EOP									
NO.		STATION	NORTHING	EASTING	LENGTH	LINE/CHORD BEARING	DELTA	TANGENT	RADIUS
C301	PC=	300+00.00	1665062.1117	2682098.3899	232.48'	N60°19'43"W	359°59'54"	0.00'	37.00'
	PI=	300+00.00	1665062.1120	2682098.3895					
	PT=	302+32.48	1665062.1123	2682098.3890					



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**US 6 & HILLCREST ROUNDAABOUT
 GEOMETRIC CONTROL
 ROUNDAABOUT INSIDE EOP**

Designer: CJK
 Detailer: SWD
 Sheet Subset: GEOMETRY

STRUCTURE NUMBERS
 GEO-03 OF 07

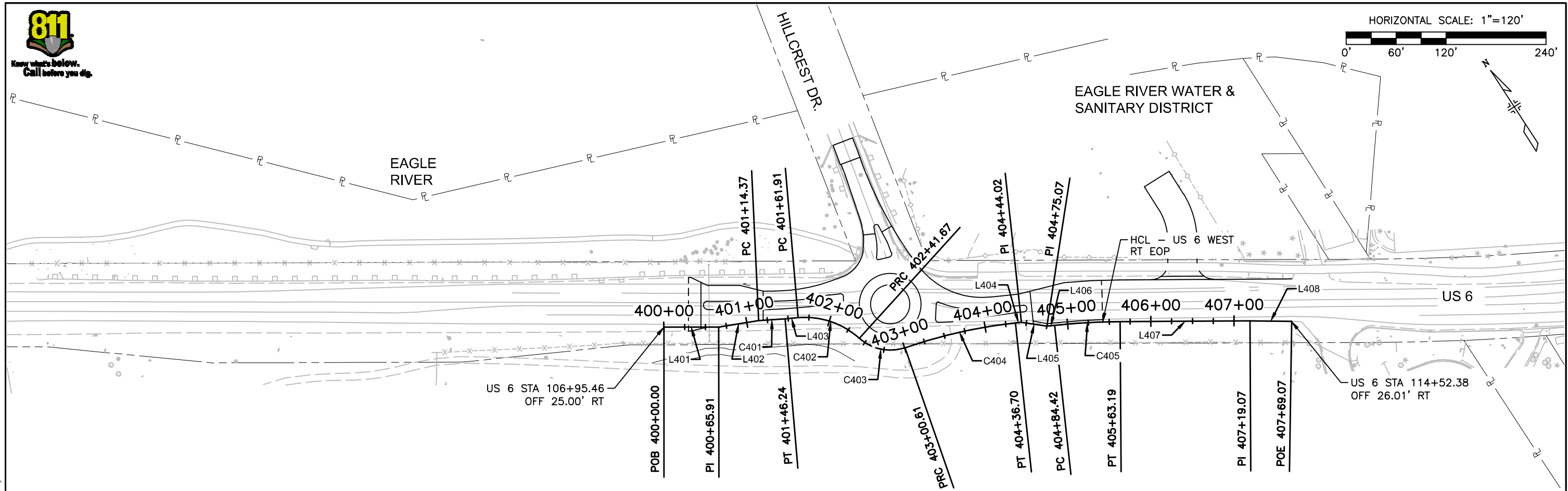
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118339-01
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HORIZONTAL SCALE: 1"=120'

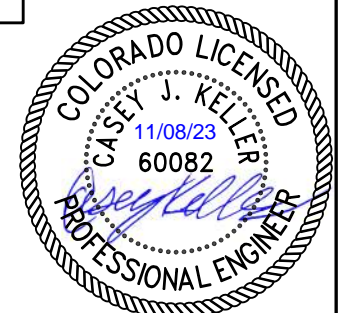


US 6 WEST - RT EOP

NO.		STATION	NORTHING	EASTING	LENGTH	LINE/CHORD BEARING	DELTA	TANGENT	RADIUS
L401		400+00.00 400+65.91	1665154.9806 1665119.1460	2681837.4683 2681892.7801	65.91'	S57°03'44"E			
L402		400+65.91 401+14.37	1665119.1460 1665099.7191	2681892.7801 2681937.1841	48.47'	S66°22'14"E			
C401	PC= PI= PT=	401+14.37 401+30.31 401+46.24	1665099.7191 1665091.6686 1665084.1599	2681937.1841 2681950.9379 2681964.9949	31.87'	S60°46'28"E	2°13'56"	15.94'	818.00'
L403		401+46.24 401+61.91	1665084.1599 1665076.7787	2681964.9949 2681978.8130	15.67'	S61°53'26"E			
C402	PC= PI= PT=	401+61.91 402+04.20 402+41.67	1665076.7787 1665056.8527 1665015.9558	2681978.8130 2682016.1161 2682026.8872	79.76'	S38°19'22"E	47°08'08"	42.29'	96.95'
C403	PC= PI= PT=	402+41.67 402+74.33 403+00.61	1665015.9558 1664984.3724 1664976.5601	2682026.8872 2682035.2053 2682066.9177	58.95'	S45°27'28"E	61°24'21"	32.66'	55.00'
C404	PC= PI= PT=	403+00.61 403+68.95 404+36.70	1664976.5601 1664960.2139 1664929.3649	2682066.9177 2682133.2719 2682194.2508	136.09'	S69°39'47"E	12°59'44"	68.34'	600.00'

US 6 WEST - RT EOP

NO.		STATION	NORTHING	EASTING	LENGTH	LINE/CHORD BEARING	DELTA	TANGENT	RADIUS
L404		404+36.70 404+44.02	1664929.3649 1664926.0591	2682194.2508 2682200.7852	7.32'	S63°09'55"E			
L405		404+44.02 404+75.07	1664926.0591 1664905.3781	2682200.7852 2682223.9432	31.05'	S48°14'02"E			
L406		404+75.07 404+84.42	1664905.3781 1664901.1595	2682223.9432 2682232.2820	9.35'	S63°09'55"E			
C405	PC= PI= PT=	404+84.42 405+23.84 405+63.19	1664901.1595 1664883.3638 1664862.0905	2682232.2820 2682267.4586 2682300.6478	78.78'	S60°15'12"E	5°49'26"	39.42'	775.00'
L407		405+63.19 407+19.07	1664862.0905 1664777.9740	2682300.6478 2682431.8812	155.88'	S57°20'29"E			
L408		407+19.07 407+69.07	1664777.9740 1664750.1429	2682431.8812 2682473.4216	50.00'	S56°10'44"E			



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**US 6 & HILLCREST ROUNDABOUT
 GEOMETRIC CONTROL
 US 6 RT EOP**
 Designer: CJK
 Detailer: SWD
 Sheet Subset: GEOMETRY
 STRUCTURE NUMBERS
 GEO-04 OF 07

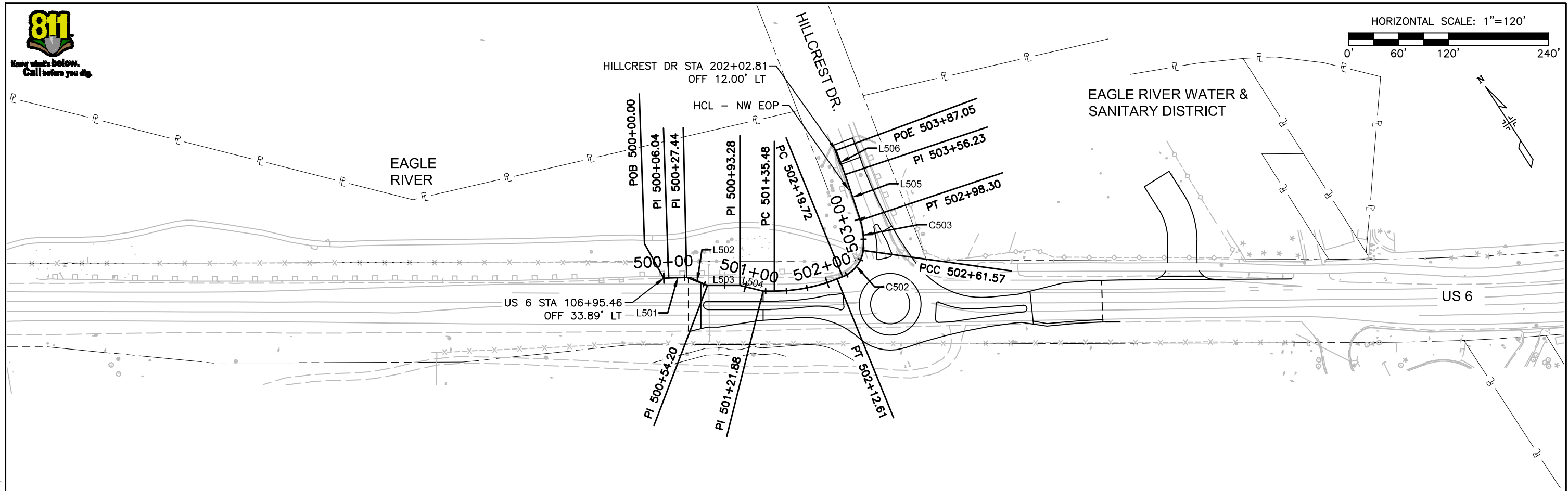
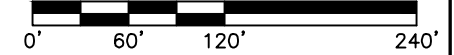
PROJECT NO./CODE
118339-01
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HORIZONTAL SCALE: 1"=120'



NW - EOP

NO.		STATION	NORTHING	EASTING	LENGTH	LINE/CHORD BEARING	DELTA	TANGENT	RADIUS
L501		500+06.04 500+27.44	1665201.2920 1665190.0601	2681874.6636 2681892.8746	21.40'	S58°20'07"E			
L502		500+27.44 500+54.20	1665190.0601 1665168.4404	2681892.8746 2681908.6503	26.76'	S36°07'04"E			
L503		500+54.20 500+93.28	1665168.4404 1665147.1909	2681908.6503 2681941.4496	39.08'	S57°03'44"E			
L504		500+93.28 501+21.88	1665147.1909 1665126.2397	2681941.4496 2681960.9142	28.60'	S42°53'37"E			
C502	PC= PI= PT=	502+19.72 502+42.79 502+61.57	1665088.9294 1665084.5899 1665102.0321	2682050.4368 2682073.0970 2682088.1996	41.85'	N70°51'52"E	59°57'09"	23.07'	40.00'

NW - EOP

NO.		STATION	NORTHING	EASTING	LENGTH	LINE/CHORD BEARING	DELTA	TANGENT	RADIUS
C503	PC= PI= PT=	502+61.57 502+80.26 502+98.30	1665102.0321 1665116.1627 1665134.2519	2682088.1996 2682100.4349 2682105.1422	36.72'	N27°44'14"E	26°18'07"	18.69'	80.00'
L505		502+98.30 503+56.23	1665134.2519 1665190.3143	2682105.1422 2682119.7310	57.93'	N14°35'11"E			
L506		503+56.23 503+87.05	1665190.3143 1665220.3871	2682119.7310 2682126.4955	30.82'	N12°40'38"E			



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**US 6 & HILLCREST ROUNDABOUT
 GEOMETRIC CONTROL
 NW EOP**

Designer: CJK
 Detailer: SWD
 Sheet Subset: GEOMETRY

STRUCTURE NUMBERS
 GEO-05 OF 07

PROJECT NO./CODE
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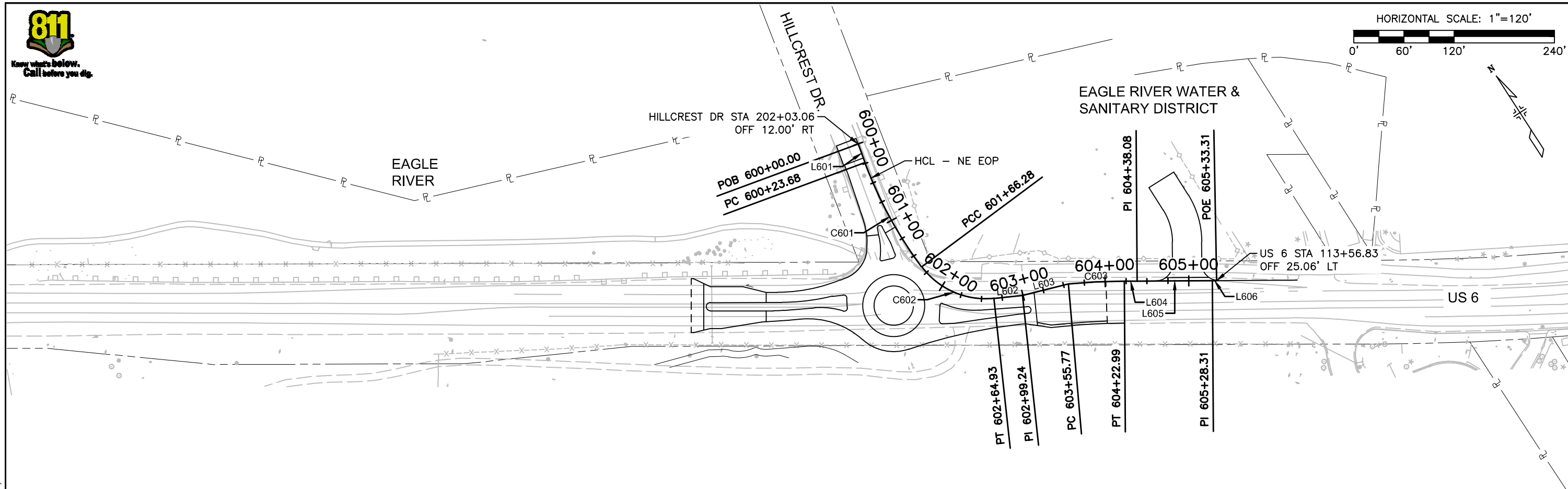
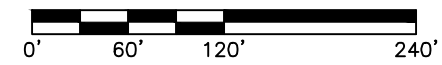
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HORIZONTAL SCALE: 1"=120'

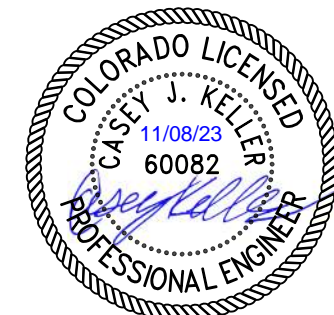


NE - EOP

NO.		STATION	NORTHING	EASTING	LENGTH	LINE/CHORD BEARING	DELTA	TANGENT	RADIUS
L601		600+00.00 600+23.68	1665215.3604 1665192.2565	2682149.9645 2682144.7675	23.68'	S12°40'38"W			
C601	PC= PI= PT=	600+23.68 600+95.47 601+66.28	1665192.2565 1665122.2223 1665050.5848	2682144.7675 2682129.0140 2682133.6001	142.59'	S4°30'26"W	16°20'24"	71.78'	500.00'
C602	PC= PI= PT=	601+66.28 602+20.57 602+64.93	1665050.5848 1664996.3961 1664971.8843	2682133.6001 2682137.0691 2682185.5213	98.66'	S33°24'51"E	59°30'08"	54.30'	95.00'
L602		602+64.93 602+99.24	1664971.8843 1664956.3977	2682185.5213 2682216.1334	34.31'	S63°09'55"E			
L603		602+99.24 603+55.77	1664956.3977 1664938.1128	2682216.1334 2682269.6270	56.53'	S71°07'44"E			

NE - EOP

NO.		STATION	NORTHING	EASTING	LENGTH	LINE/CHORD BEARING	DELTA	TANGENT	RADIUS
C603	PC= PI= PT=	603+55.77 603+89.40 604+22.99	1664938.1128 1664922.3313 1664904.1856	2682269.6270 2682299.3196 2682327.6294	67.21'	S59°40'31"E	4°40'05"	33.63'	825.00'
L604		604+22.99 604+38.08	1664904.1856 1664896.0416	2682327.6294 2682340.3352	15.09'	S57°20'29"E			
L605		604+38.08 605+28.31	1664896.0416 1664847.3511	2682340.3352 2682416.3041	90.23'	S57°20'35"E			
L606		605+28.31 605+33.31	1664847.3511 1664844.7022	2682416.3041 2682420.5448	5.00'	S58°00'34"E			



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**US 6 & HILLCREST ROUNDABOUT
 GEOMETRIC CONTROL**

NE EOP

Designer: CJK
 Detailer: SWD
 Sheet Subset: GEOMETRY

STRUCTURE NUMBERS

GEOM-06 OF 07

PROJECT NO./CODE

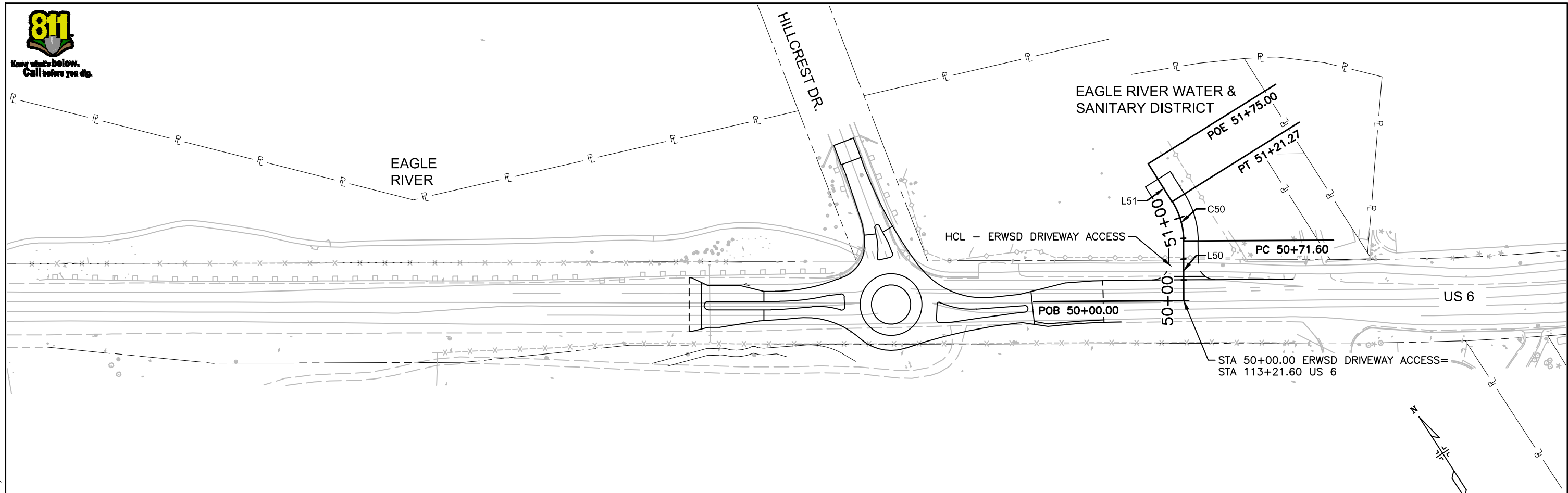
118339-01

19

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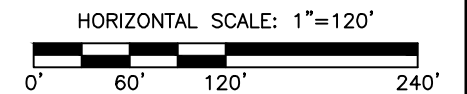


Know what's below.
Call before you dig.



HCL - ERWSD DRIVEWAY ACCESS

NO.		STATION	NORTHING	EASTING	LENGTH	LINE/CHORD BEARING	DELTA	TANGENT	RADIUS
L50		50+00.00 50+71.60	1664842.6161 1664902.9001	2682377.3584 2682415.9986	71.60'	N32°39'31"E			
C50	PC= PI= PT=	50+71.60 50+97.09 51+21.27	1664902.9001 1664924.3550 1664949.8348	2682415.9986 2682429.7505 2682430.2127	49.67'	N16°50'56"E	31°37'10"	25.48'	90.00'
L51		51+21.27 51+75.00	1664949.8348 1665003.5536	2682430.2127 2682431.1871	53.73'	N1°02'21"E			



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 500 BROADWAY
 EAGLE, CO 81631

AS CONSTRUCTED

NO. REVISIONS:

REVISED:

VOID:

**US 6 & HILLCREST ROUNDABOUT
 GEOMETRIC CONTROL
 ERWSD DRIVEWAY ACCESS**

Designer: CJK
 Detailer: SWD
 Sheet Subset: GEOMETRY

STRUCTURE NUMBERS

GEO-07 OF 07

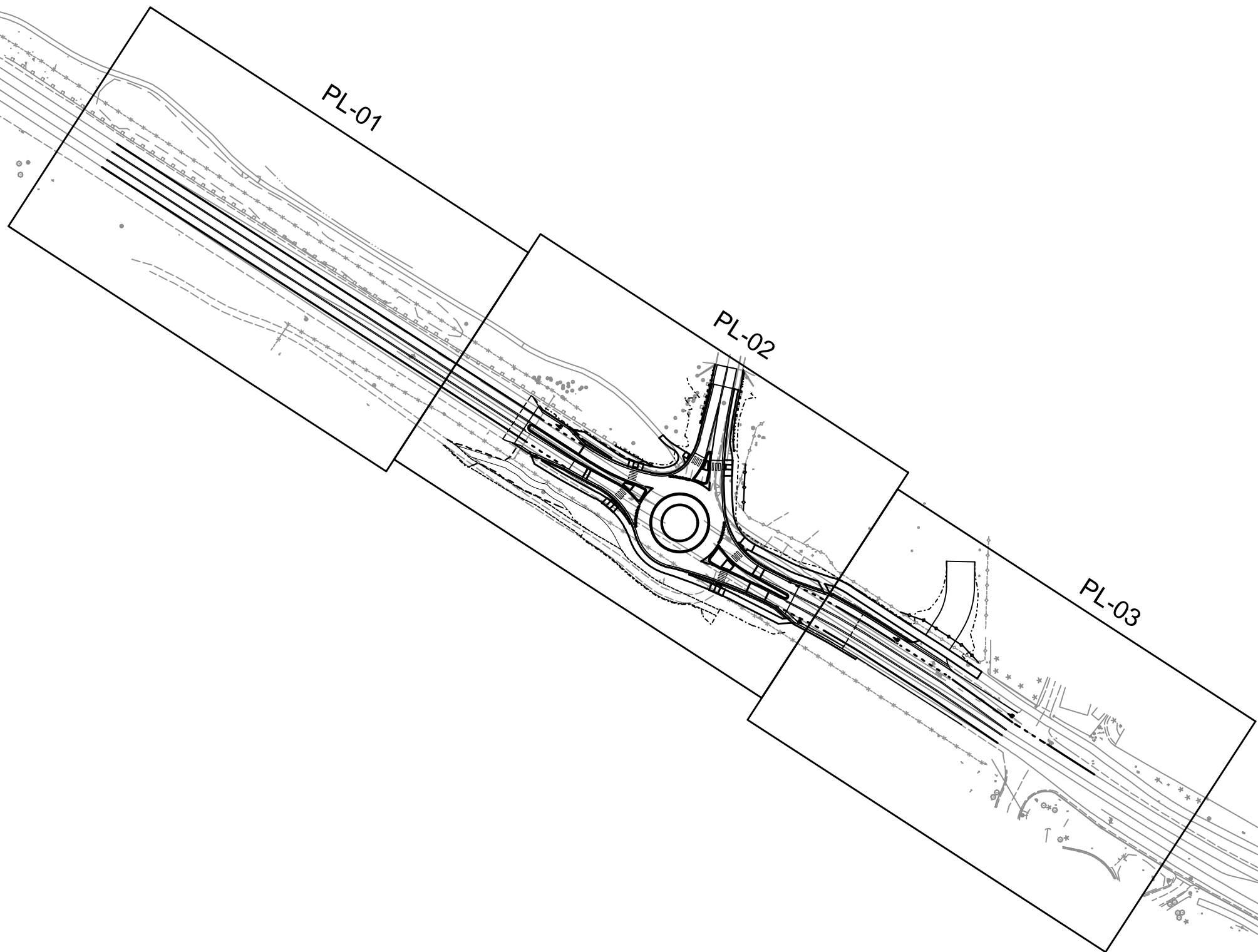
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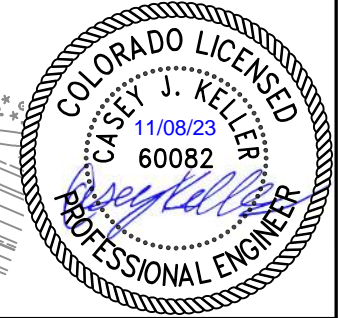
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Know what's below.
Call before you dig.



HORIZ SCALE: 1"=150'
0' 75' 150'



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500 BROADWAY
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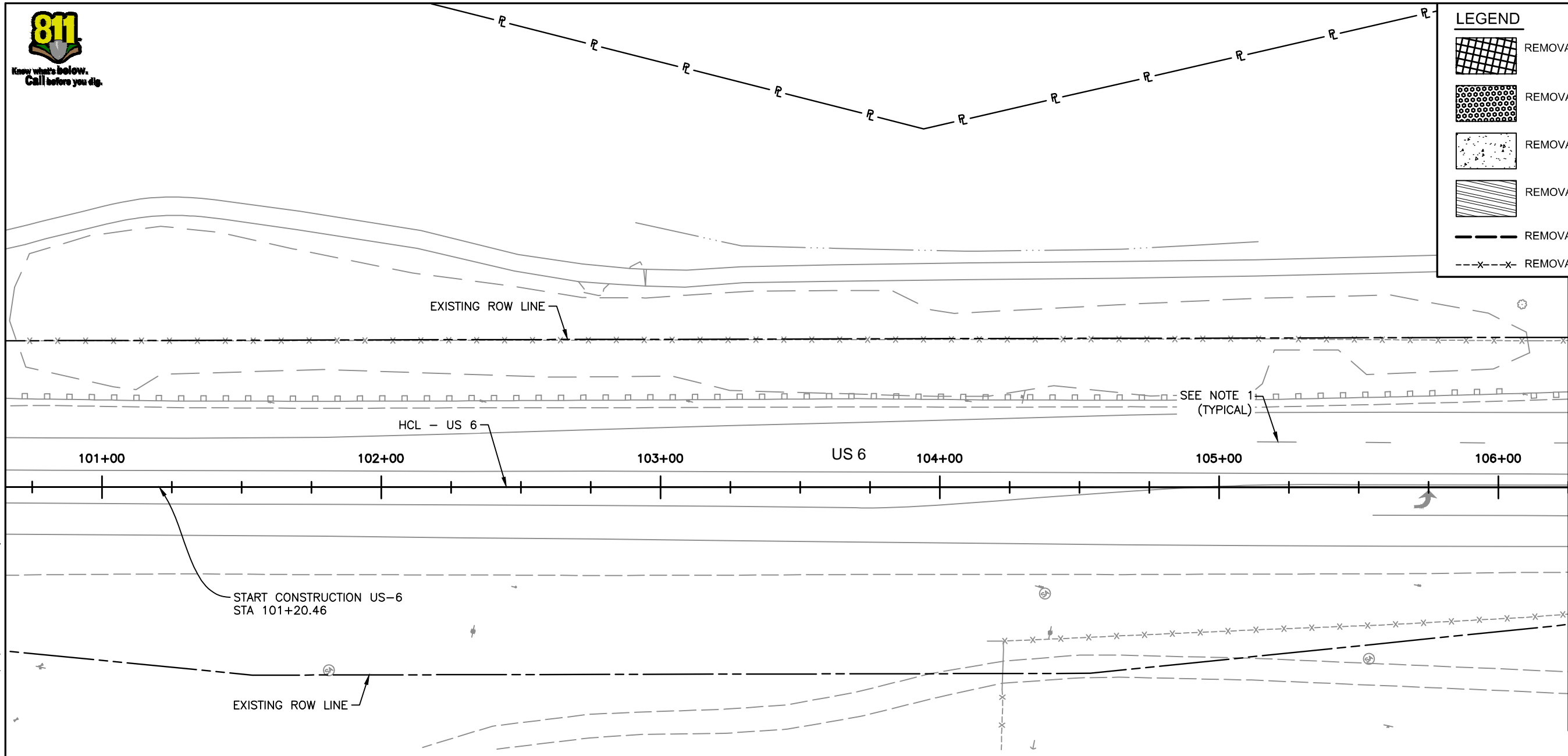
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US 6 & HILLCREST ROUNDABOUT PLAN SHEET KEY MAP			
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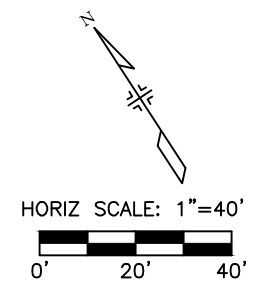
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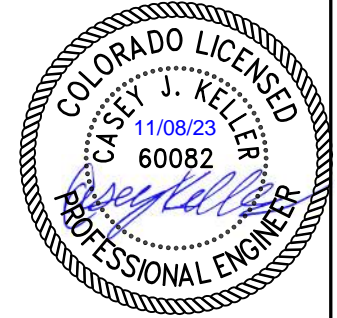
LEGEND	
	REMOVAL OF ASPHALT MAT
	REMOVAL OF ASPHALT MAT (PLANING)
	REMOVAL OF SIDEWALK
	REMOVAL OF CONCRETE CURB RAMP
	REMOVAL OF CURB AND GUTTER
	REMOVAL OF FENCE



START CONSTRUCTION US-6
STA 101+20.46



- NOTES
1. SEE SIGNING AND STRIPING PLANS FOR ROADWAY STRIPING AND SIGNING REMOVALS.
 2. SEE UTILITY PLANS FOR UTILITY REMOVALS AND RELOCATIONS.
 3. SEE DRAINAGE PLANS FOR DRAINAGE REMOVALS.



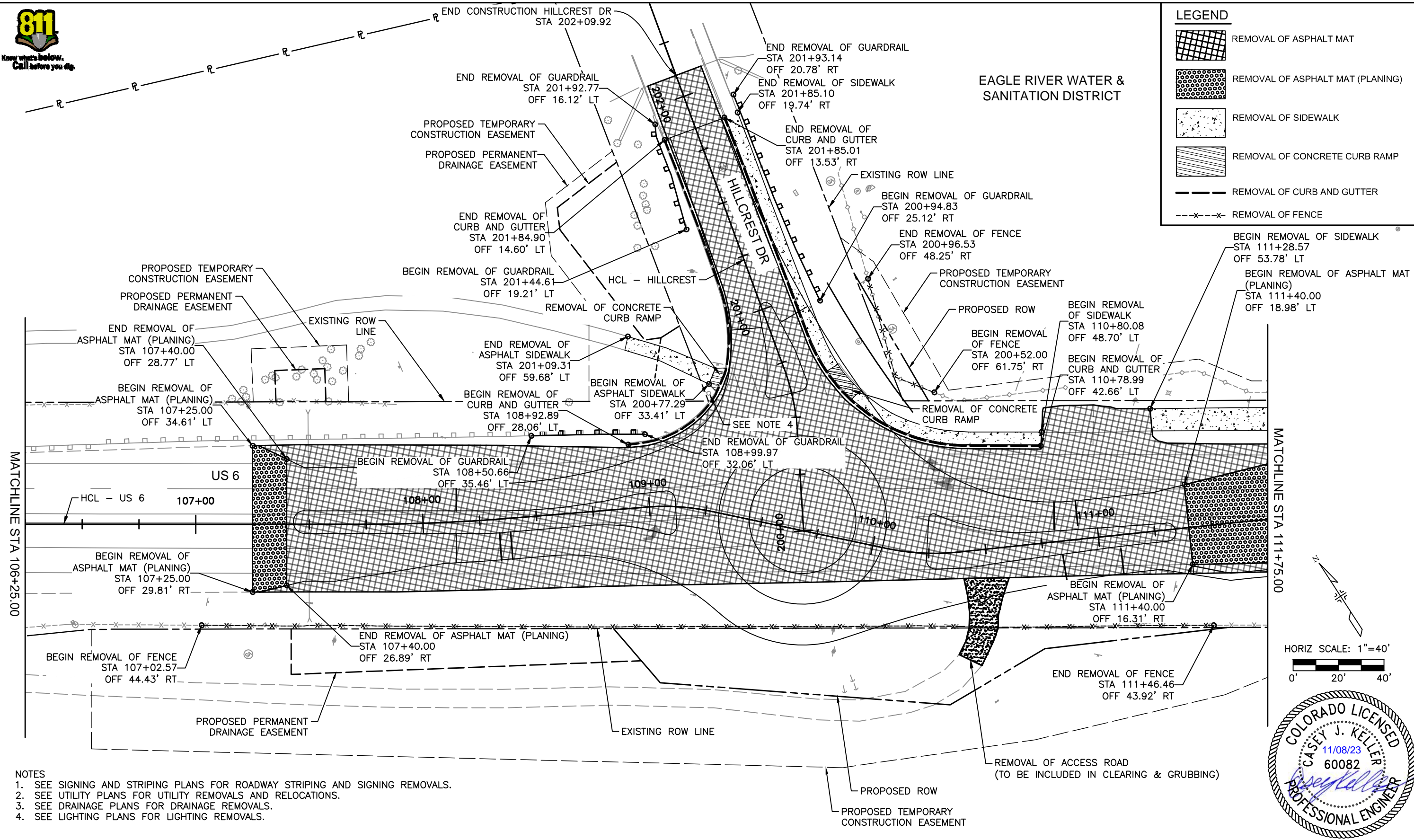
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FILE NAME: D118339-01REM01-03.DWG				NO. REVISIONS:		118339-01
Horizontal Scale: 1" = 40' Vertical Scale: N/A	AD PLAN SET		6400 S. Fiddlers Green Circle, Suite 1500 Greenwood Village, CO 80111 Phone: 303.721.1440 www.FHUENG.com	REVISED:	Designer: CJK	STRUCTURE NUMBERS
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						22

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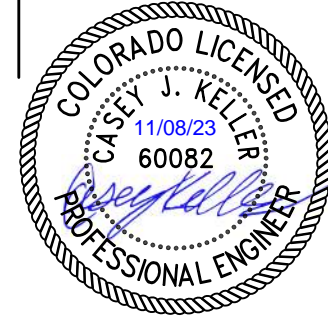
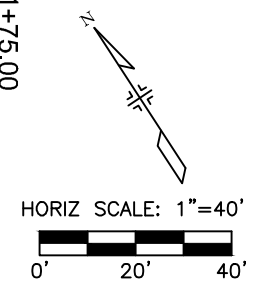


LEGEND	
	REMOVAL OF ASPHALT MAT
	REMOVAL OF ASPHALT MAT (PLANING)
	REMOVAL OF SIDEWALK
	REMOVAL OF CONCRETE CURB RAMP
	REMOVAL OF CURB AND GUTTER
	REMOVAL OF FENCE

EAGLE RIVER WATER & SANITATION DISTRICT



- NOTES
1. SEE SIGNING AND STRIPING PLANS FOR ROADWAY STRIPING AND SIGNING REMOVALS.
 2. SEE UTILITY PLANS FOR UTILITY REMOVALS AND RELOCATIONS.
 3. SEE DRAINAGE PLANS FOR DRAINAGE REMOVALS.
 4. SEE LIGHTING PLANS FOR LIGHTING REMOVALS.



PRINT DATE: 11/01/2023 11:32 AM	Sheet Status		ENGINEERING P.O. BOX 500 BROADWAY EAGLE, CO 81631	AS CONSTRUCTED	US 6 & HILLCREST ROUNDABOUT REMOVAL PLANS STA 106+25 TO STA 111+75	PROJECT NO./CODE
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6400 S. Fiddlers Green Circle, Suite 1500 Greenwood Village, CO 80111 Phone: 303.721.1440 www.FHUENG.com				VOID:	Detailer: CJK	
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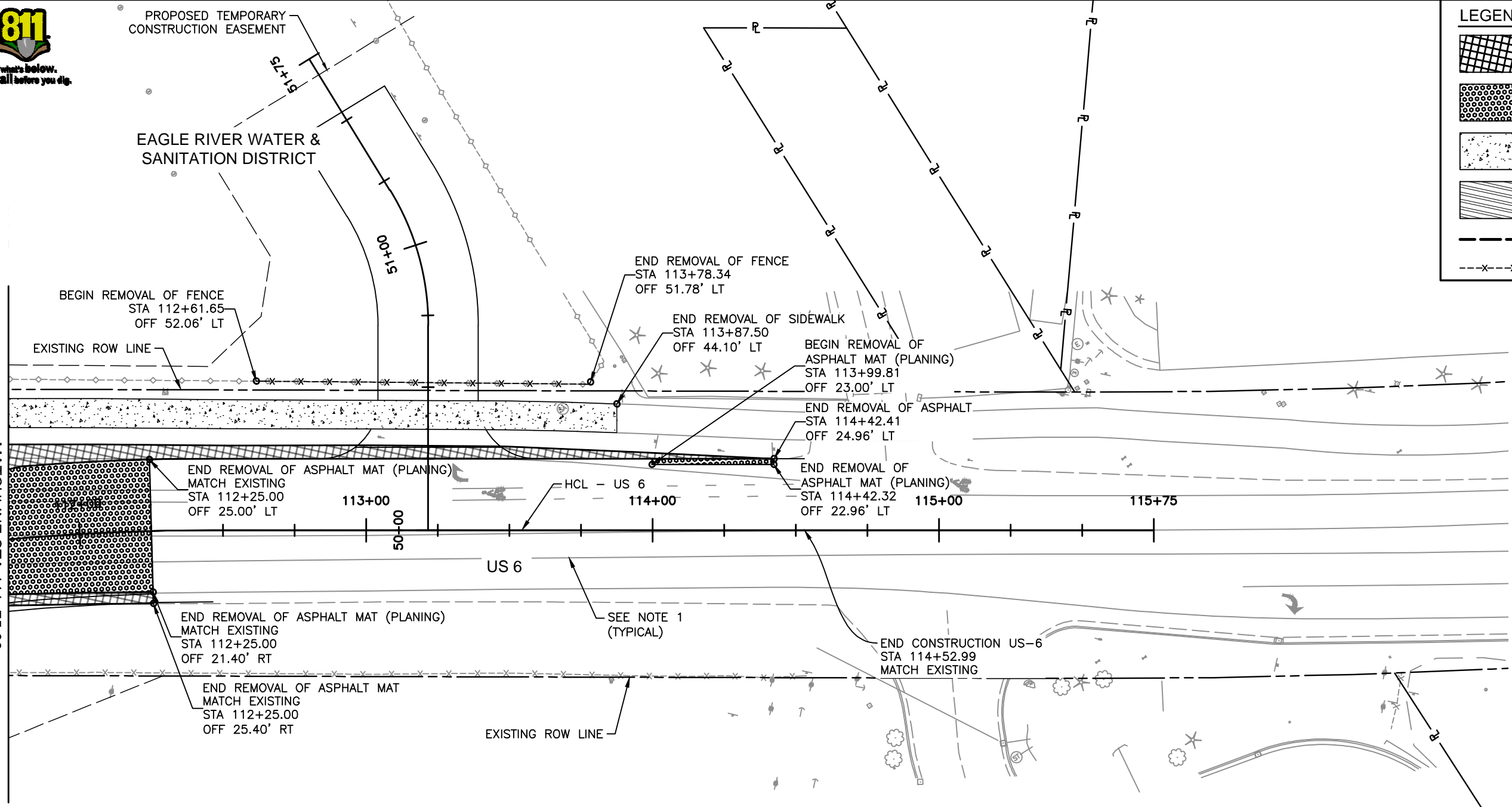
PROPOSED TEMPORARY CONSTRUCTION EASEMENT

EAGLE RIVER WATER & SANITATION DISTRICT

LEGEND

- REMOVAL OF ASPHALT MAT
- REMOVAL OF ASPHALT MAT (PLANING)
- REMOVAL OF SIDEWALK
- REMOVAL OF CONCRETE CURB RAMP
- REMOVAL OF CURB AND GUTTER
- REMOVAL OF FENCE

MATCHLINE STA 111+75.00



END REMOVAL OF ASPHALT MAT (PLANING)
MATCH EXISTING
STA 112+25.00
OFF 25.00' LT

END REMOVAL OF ASPHALT MAT (PLANING)
MATCH EXISTING
STA 112+25.00
OFF 21.40' RT

END REMOVAL OF ASPHALT MAT
MATCH EXISTING
STA 112+25.00
OFF 25.40' RT

END REMOVAL OF FENCE
STA 113+78.34
OFF 51.78' LT

END REMOVAL OF SIDEWALK
STA 113+87.50
OFF 44.10' LT

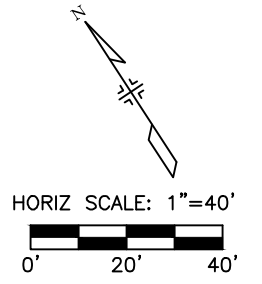
BEGIN REMOVAL OF ASPHALT MAT (PLANING)
STA 113+99.81
OFF 23.00' LT

END REMOVAL OF ASPHALT
STA 114+42.41
OFF 24.96' LT

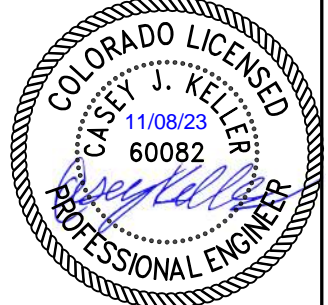
END REMOVAL OF ASPHALT MAT (PLANING)
STA 114+42.32
OFF 22.96' LT

END CONSTRUCTION US-6
STA 114+52.99
MATCH EXISTING

SEE NOTE 1 (TYPICAL)



- NOTES**
1. SEE SIGNING AND STRIPING PLANS FOR ROADWAY STRIPING AND SIGNING REMOVALS.
 2. SEE UTILITY PLANS FOR UTILITY REMOVALS AND RELOCATIONS.
 3. SEE DRAINAGE PLANS FOR DRAINAGE REMOVALS.



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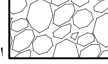



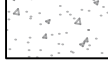
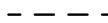
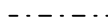
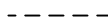


US 6 & HILLCREST ROUNDABOUT REMOVAL PLANS	
STA 111+75 TO STA 115+75	
Designer: CJK	STRUCTURE NUMBERS
Detailer: CJK	
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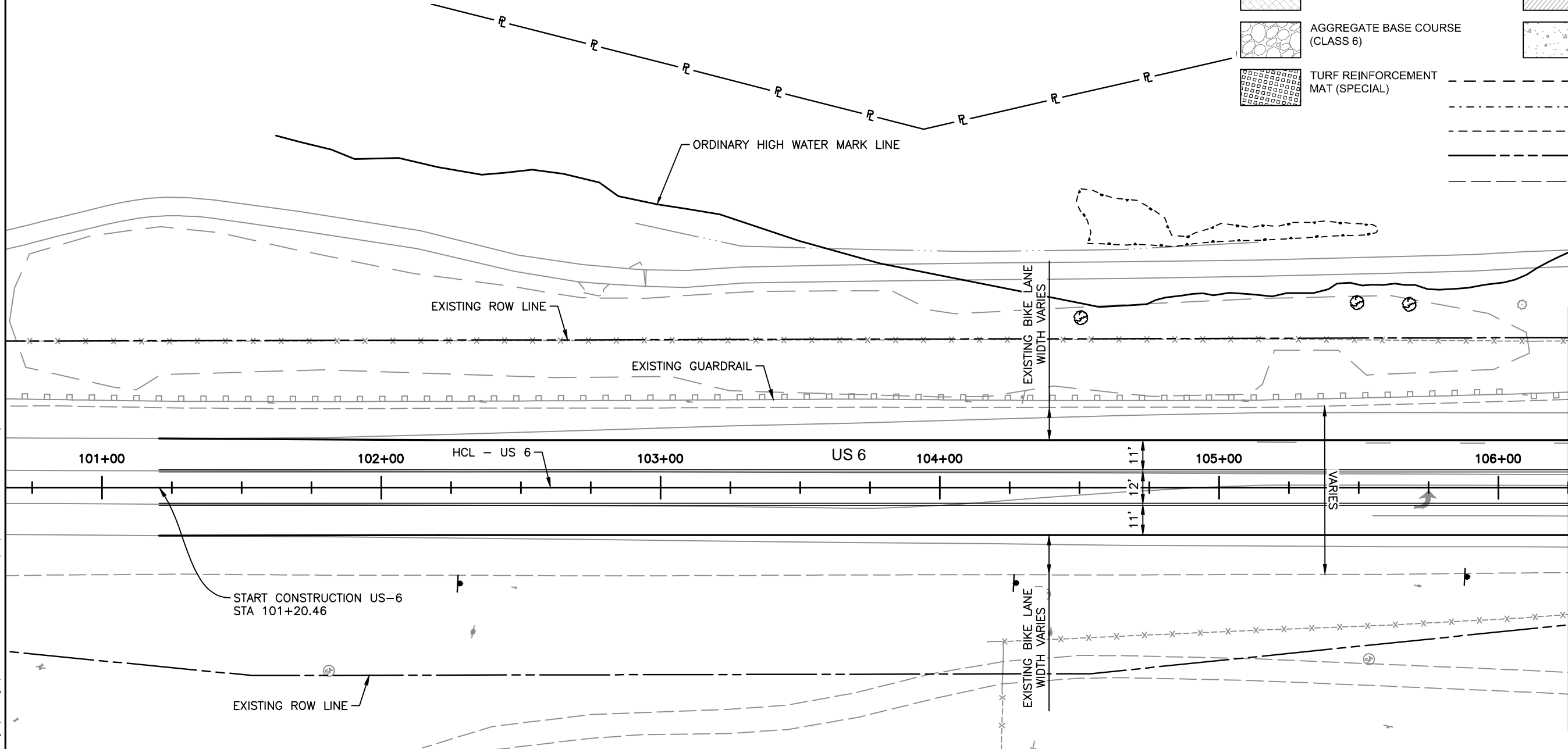
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118339-01
24

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LEGEND

-  MEDIAN COVER MATERIAL (6 INCH PATTERNED CONCRETE) SEE SHEET DET-10 FOR PATTERN
-  CONCRETE TRUCK APRON MATERIAL SEE SHEET DET-10 FOR PATTERN
-  AGGREGATE BASE COURSE (CLASS 6)
-  TURF REINFORCEMENT MAT (SPECIAL)
-  FULL DEPTH ASPHALT PAVEMENT (SEE TYPICAL SECTIONS)
-  2" ASPHALT PAVEMENT (GRADING SX)(75) (PG 58-34) (SEE TYPICAL SECTIONS)
-  CONCRETE PAVEMENT (SEE TYPICAL SECTIONS)
-  TOP OF CUT
-  TOE OF FILL
-  SAWCUT
-  PROPOSED ROW
-  PROPOSED EASEMENT



- NOTES**
1. SEE ROADWAY DETAILS FOR MEDIAN/SPLITTER ISLAND DETAILS, CURB RAMP DETAILS AND TRANSITIONS.
 2. SEE SIGNING AND STRIPING PLANS FOR ROADWAY STRIPING INFORMATION.
 3. SEE UTILITY PLANS FOR ADDITIONAL INFORMATION.
 4. ALL CURB OFFSETS AND RADII ARE MEASURED AT THE EDGE OF PAVEMENT/LIP OF CURB UNLESS OTHERWISE NOTED.



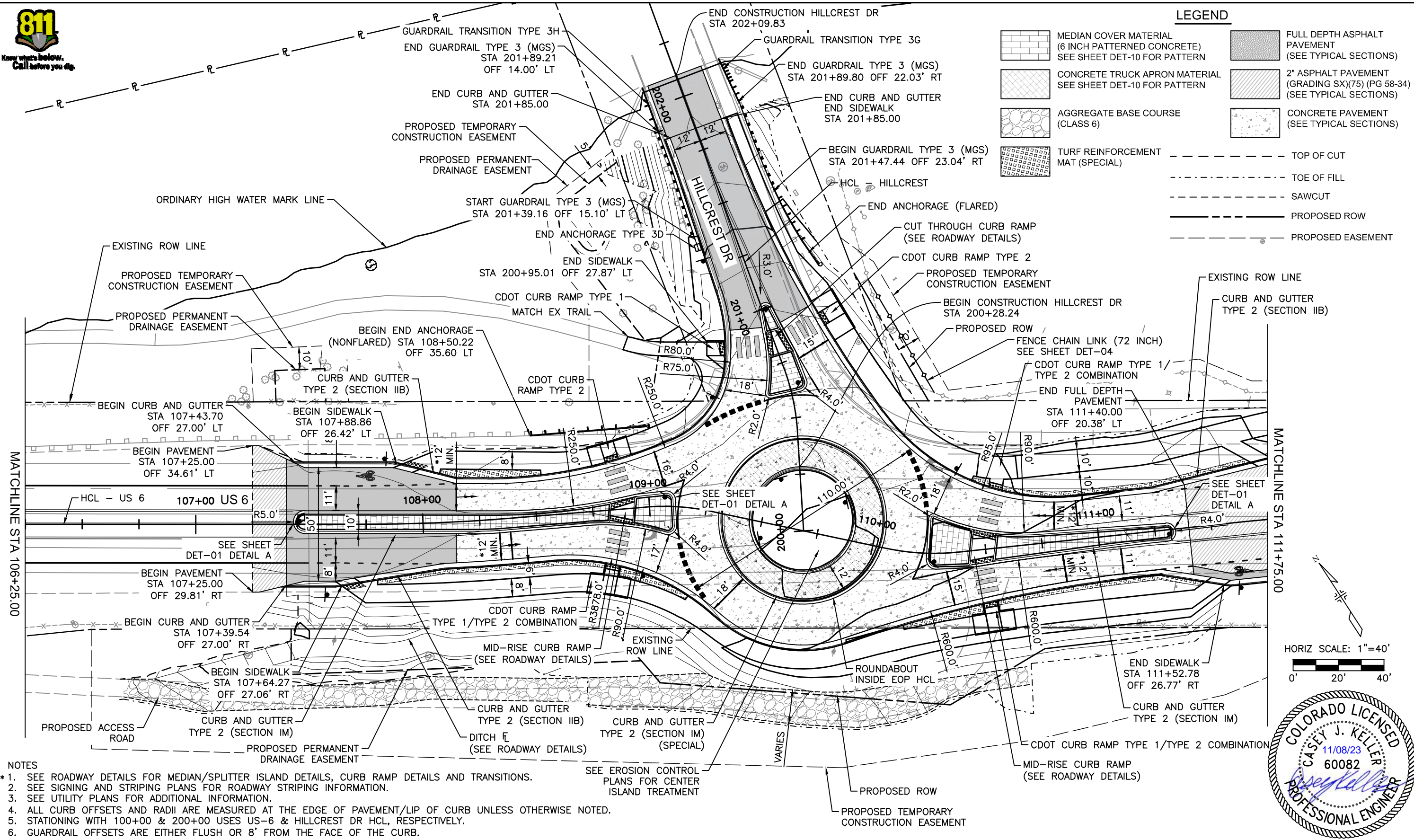
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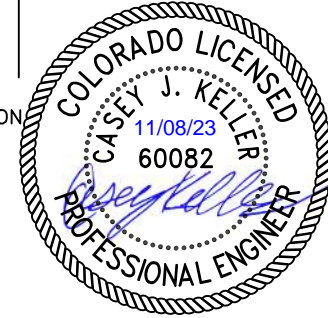


LEGEND

	MEDIAN COVER MATERIAL (6 INCH PATTERNED CONCRETE) SEE SHEET DET-10 FOR PATTERN		FULL DEPTH ASPHALT PAVEMENT (SEE TYPICAL SECTIONS)
	CONCRETE TRUCK APRON MATERIAL SEE SHEET DET-10 FOR PATTERN		2" ASPHALT PAVEMENT (GRADING SX)(75) (PG 58-34) (SEE TYPICAL SECTIONS)
	AGGREGATE BASE COURSE (CLASS 6)		CONCRETE PAVEMENT (SEE TYPICAL SECTIONS)
	TURF REINFORCEMENT MAT (SPECIAL)		TOP OF CUT
			TOE OF FILL
			SAWCUT
			PROPOSED ROW
			PROPOSED EASEMENT



- NOTES**
1. SEE ROADWAY DETAILS FOR MEDIAN/SPLITTER ISLAND DETAILS, CURB RAMP DETAILS AND TRANSITIONS.
 2. SEE SIGNING AND STRIPING PLANS FOR ROADWAY STRIPING INFORMATION.
 3. SEE UTILITY PLANS FOR ADDITIONAL INFORMATION.
 4. ALL CURB OFFSETS AND RADII ARE MEASURED AT THE EDGE OF PAVEMENT/LIP OF CURB UNLESS OTHERWISE NOTED.
 5. STATIONING WITH 100+00 & 200+00 USES US-6 & HILLCREST DR HCL, RESPECTIVELY.
 6. GUARDRAIL OFFSETS ARE EITHER FLUSH OR 8' FROM THE FACE OF THE CURB.

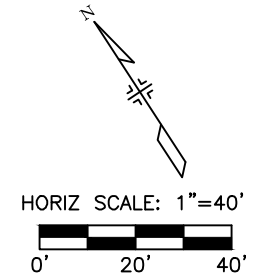
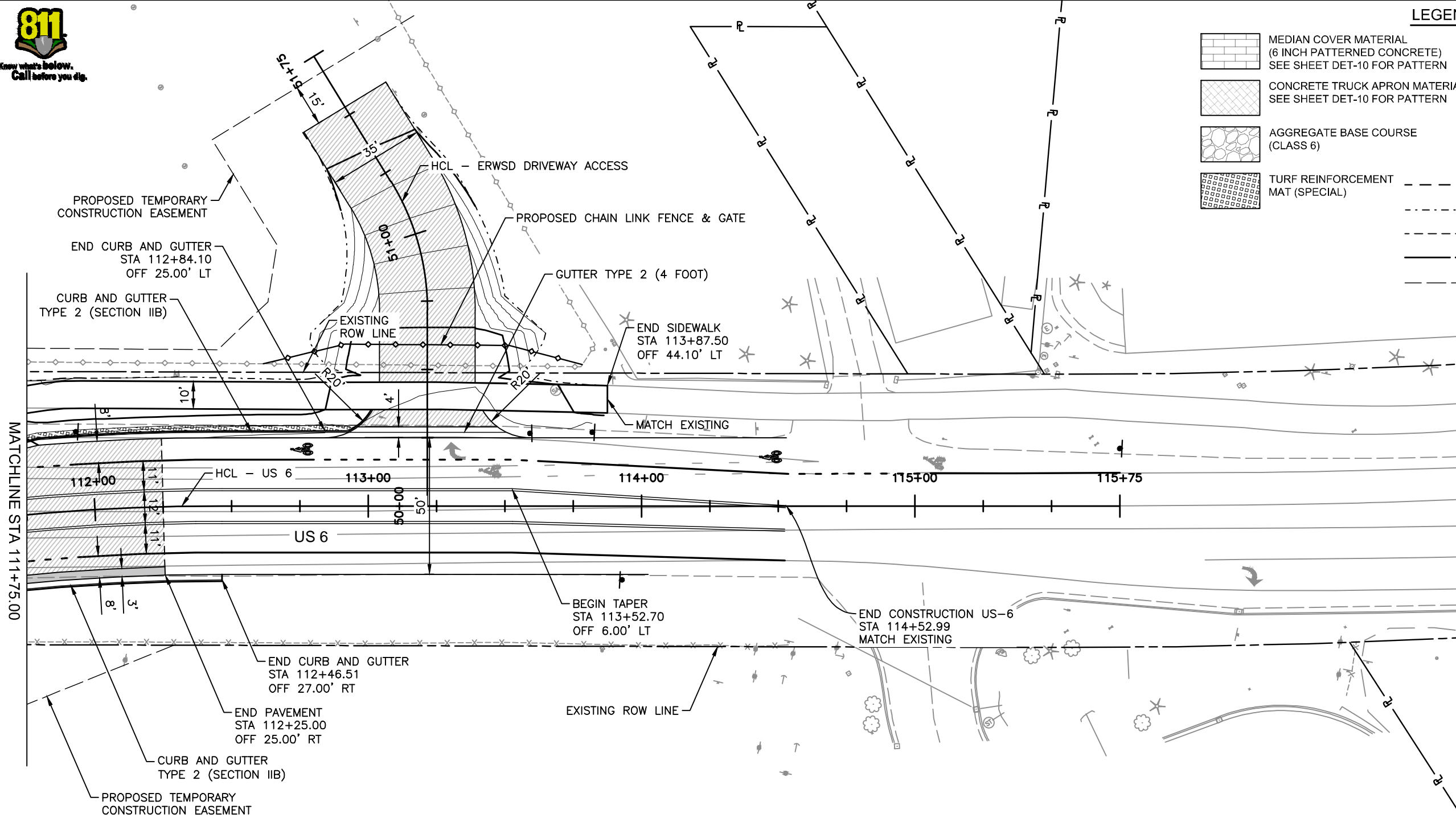


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Horizontal Scale: 1" = 40' Vertical Scale: N/A		REVISED:	Designer: CJK	STRUCTURE NUMBERS	26		
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LEGEND

	MEDIAN COVER MATERIAL (6 INCH PATTERNED CONCRETE) SEE SHEET DET-10 FOR PATTERN		FULL DEPTH ASPHALT PAVEMENT (SEE TYPICAL SECTIONS)
	CONCRETE TRUCK APRON MATERIAL SEE SHEET DET-10 FOR PATTERN		2" ASPHALT PAVEMENT (GRADING SX)(75) (PG 58-34) (SEE TYPICAL SECTIONS)
	AGGREGATE BASE COURSE (CLASS 6)		CONCRETE PAVEMENT (SEE TYPICAL SECTIONS)
	TURF REINFORCEMENT MAT (SPECIAL)		TOP OF CUT
			TOE OF FILL
			SAWCUT
			PROPOSED ROW
			PROPOSED EASEMENT

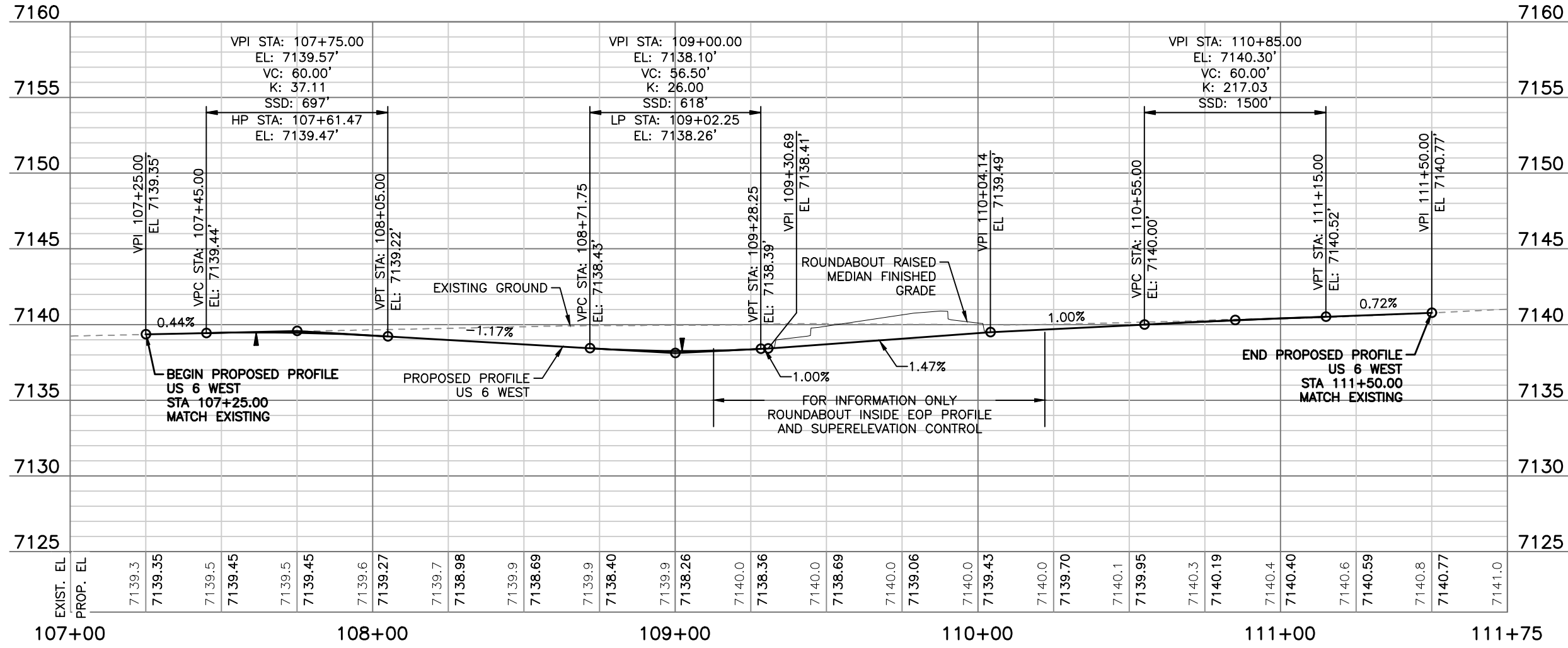


- NOTES**
1. SEE ROADWAY DETAILS FOR MEDIAN/SPLITTER ISLAND DETAILS, CURB RAMP DETAILS AND TRANSITIONS.
 2. SEE SIGNING AND STRIPING PLANS FOR ROADWAY STRIPING INFORMATION.
 3. SEE UTILITY PLANS FOR ADDITIONAL INFORMATION.
 4. ALL CURB OFFSETS AND RADII ARE MEASURED AT THE EDGE OF PAVEMENT/LIP OF CURB UNLESS OTHERWISE NOTED.

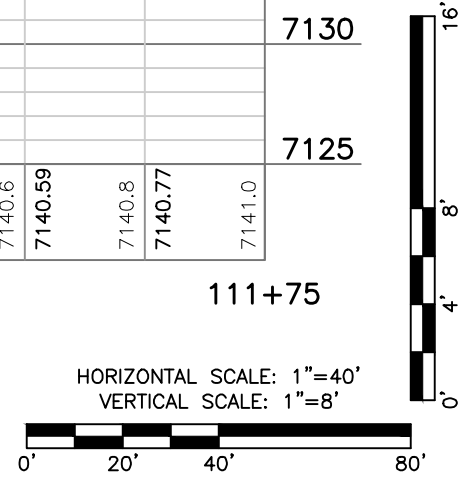


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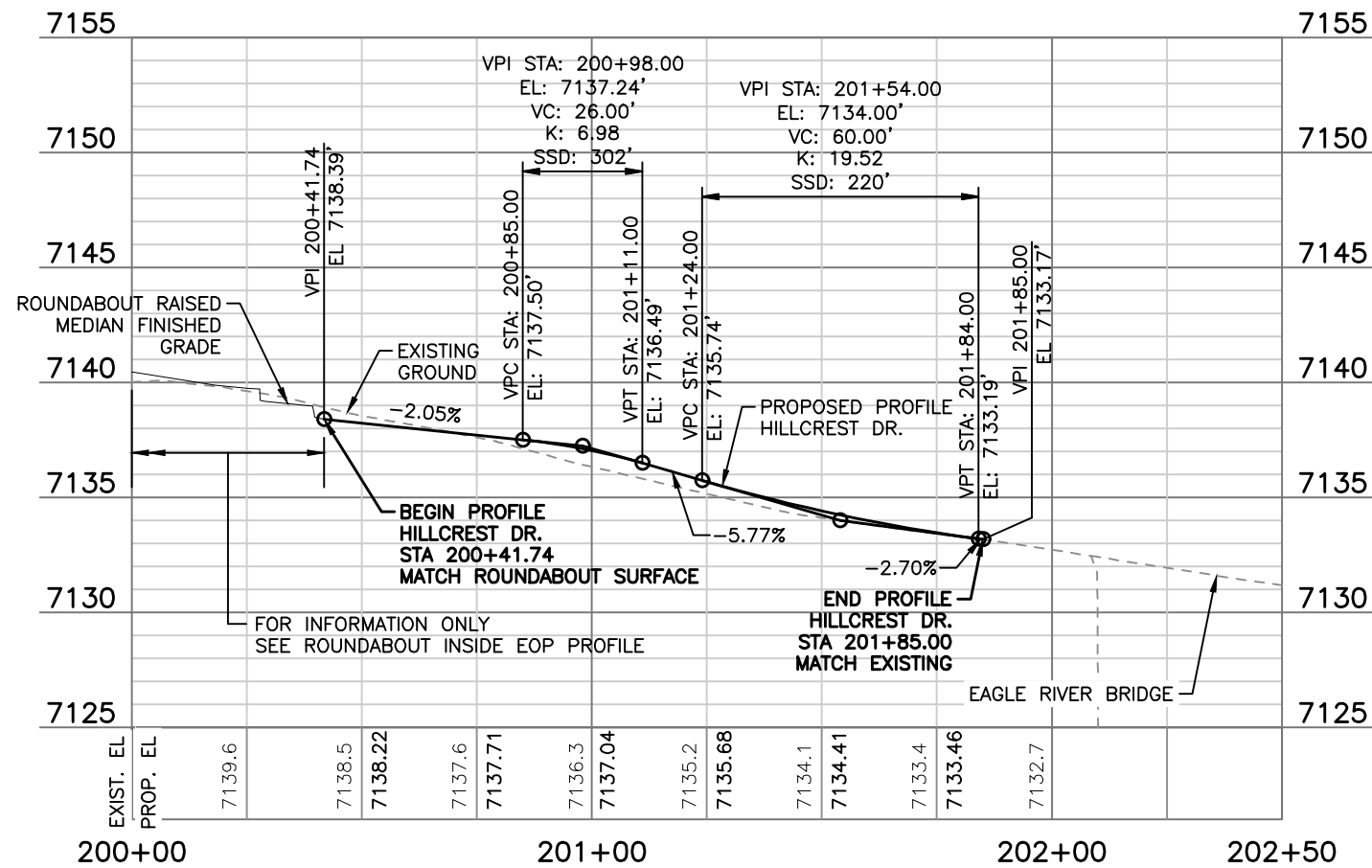


NOTE: CROSS SLOPE APPROACHING ROUNDABOUT VARIES. FOR CROSS SLOPE TRANSITION/SUPERELEVATION INFORMATION REFER TO PROPOSED PROFILES: US 6 RT EOP, SOUTHEAST EOP, AND US 6 WEST EOP.

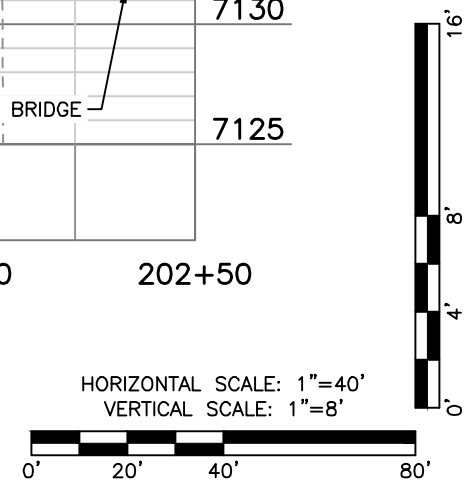


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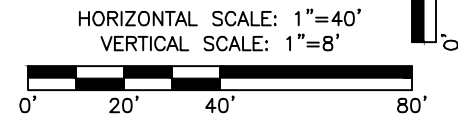
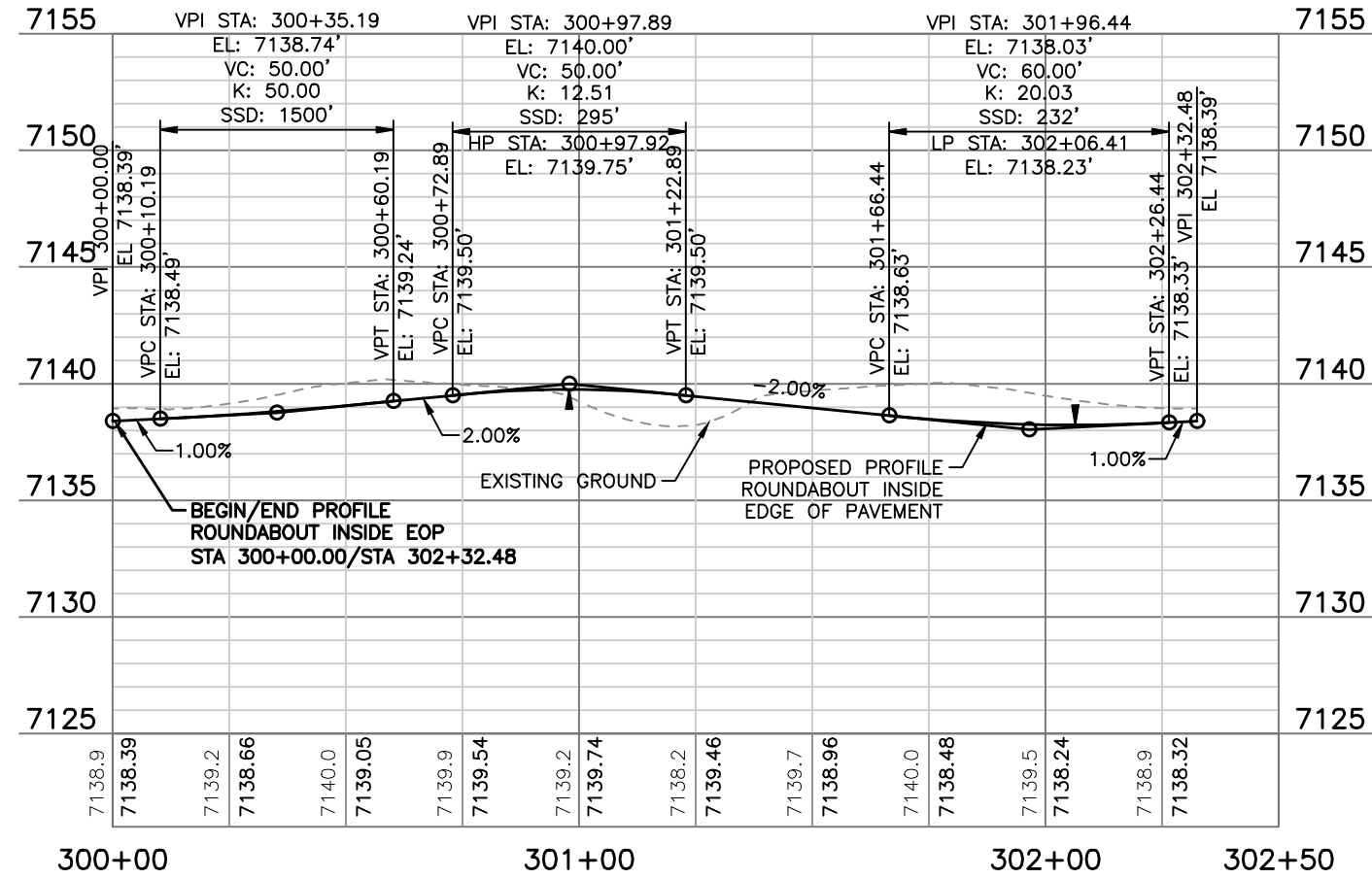


NOTE: CROSS SLOPE APPROACHING ROUNDABOUT VARIES. FOR CROSS SLOPE TRANSITION/SUPERELEVATION INFORMATION REFER TO PROPOSED PROFILES: US 6 RT EOP, SOUTHEAST EOP, AND US 6 WEST EOP.

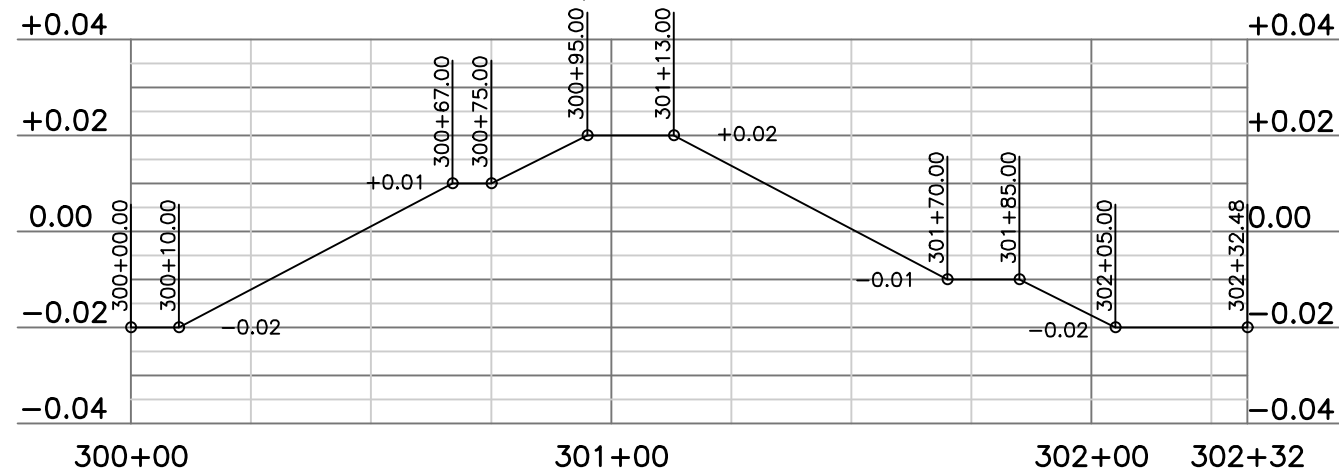


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				Detailer: SWD			
6400 S. Fiddlers Green Circle, Suite 1500 Greenwood Village, CO 80111 Phone: 303.721.1440 www.FHUENG.com				VOID:	Sheet Subset: ROADWAY	PR-02 OF 07	29

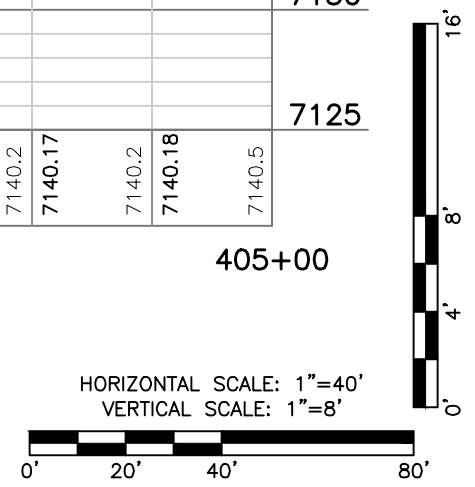
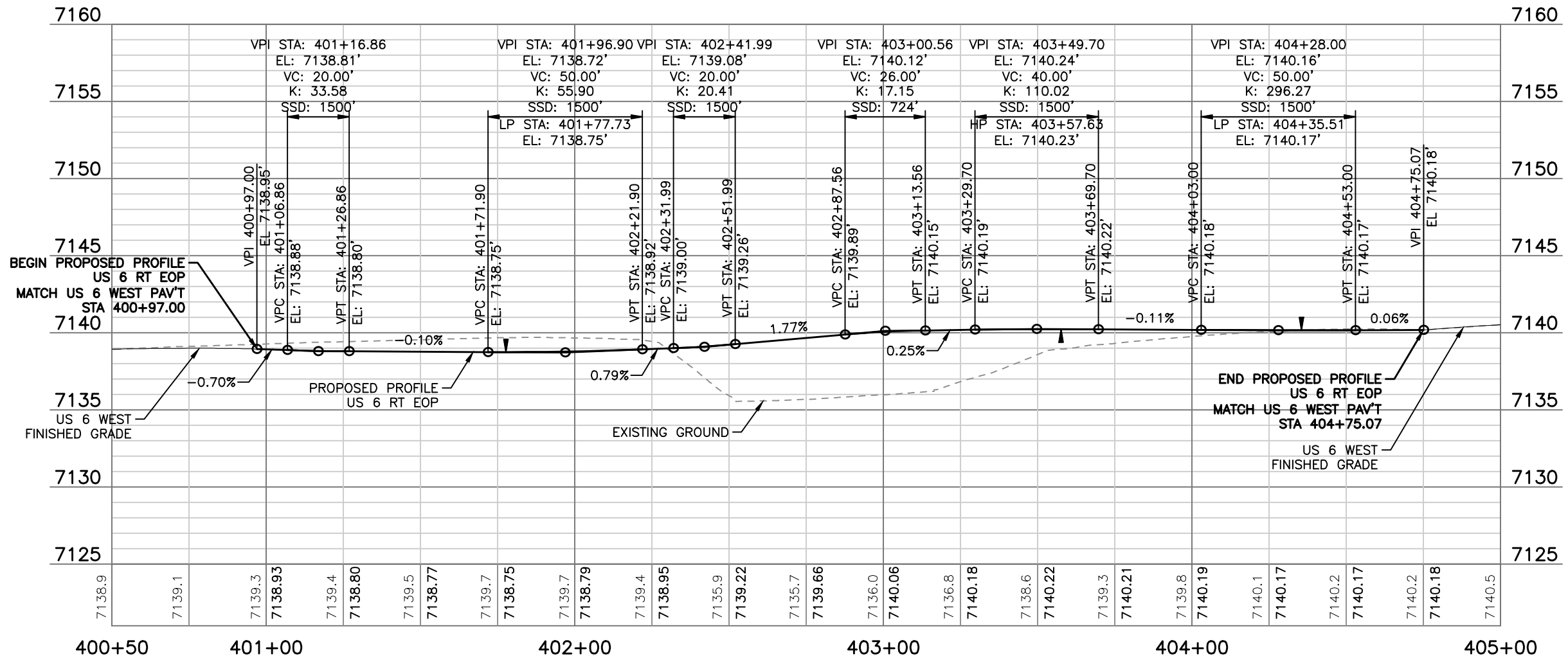


CROSS SLOPE/SUPERELEVATION TABLE

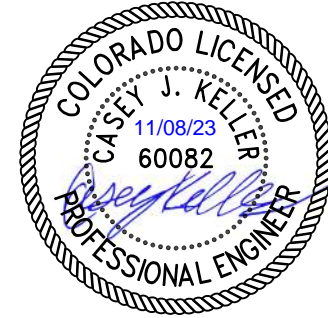


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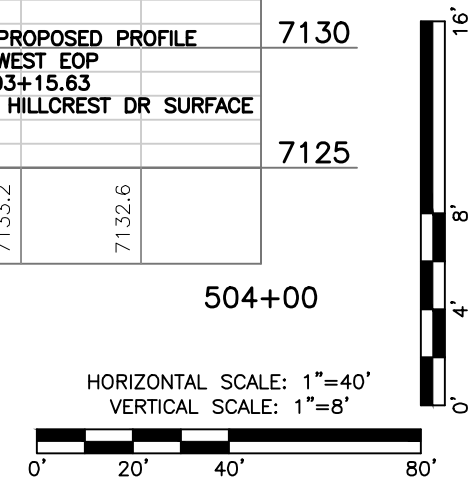
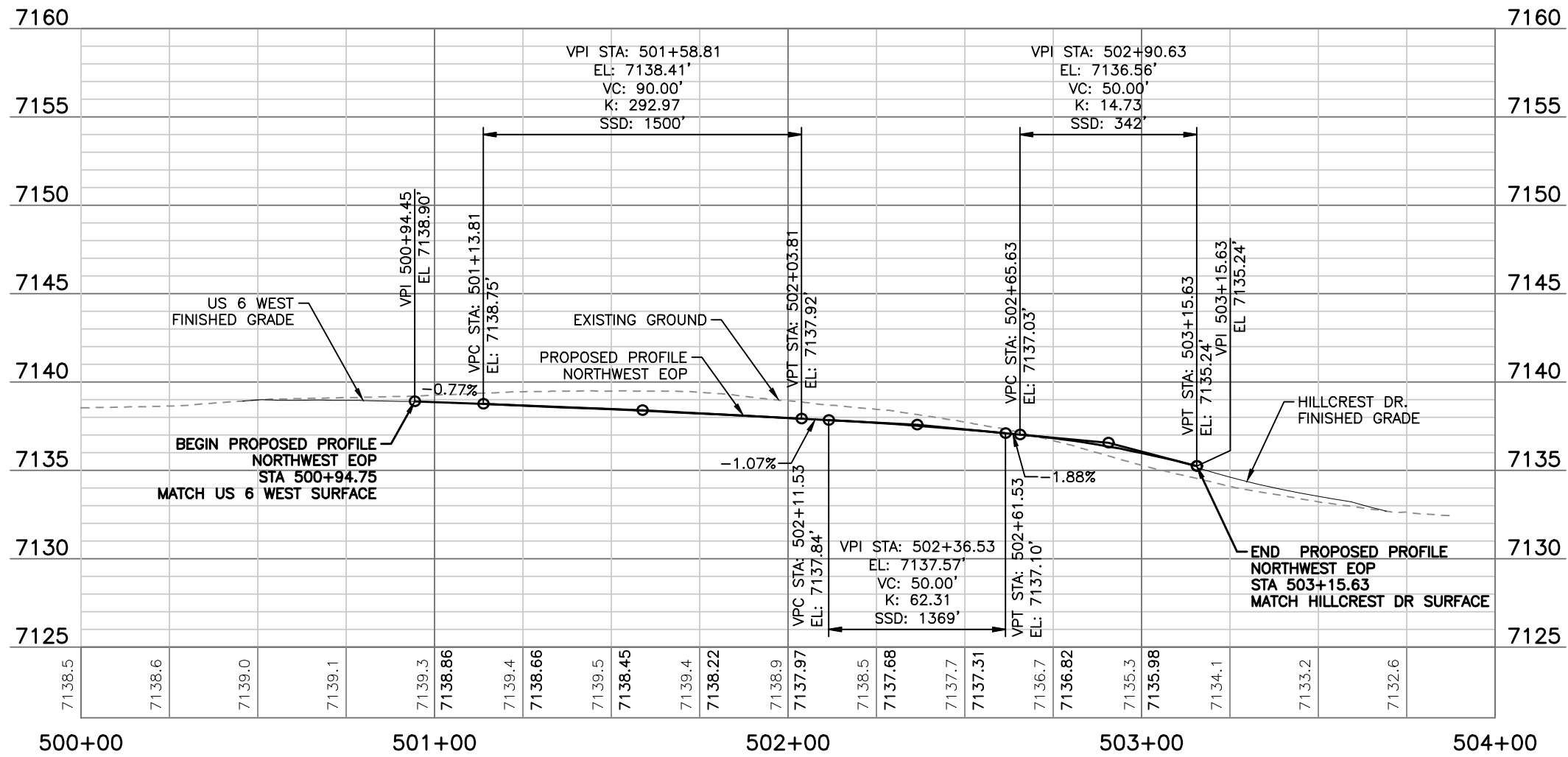
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				6400 S. Fiddlers Green Circle, Suite 1500 Greenwood Village, CO 80111 Phone: 303.721.1440 www.FHUENG.com	VOID:	Detailer: SWD		
					Sheet Subset: ROADWAY	PR-03 OF 07	30	





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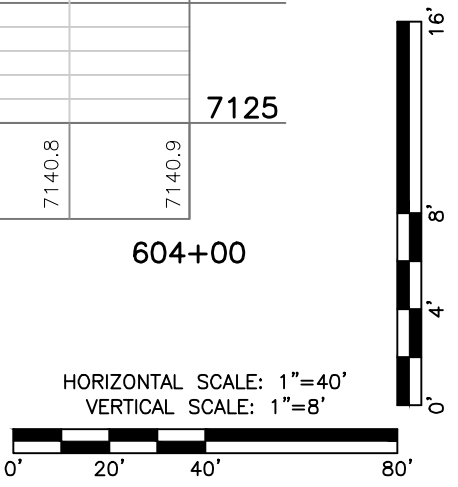
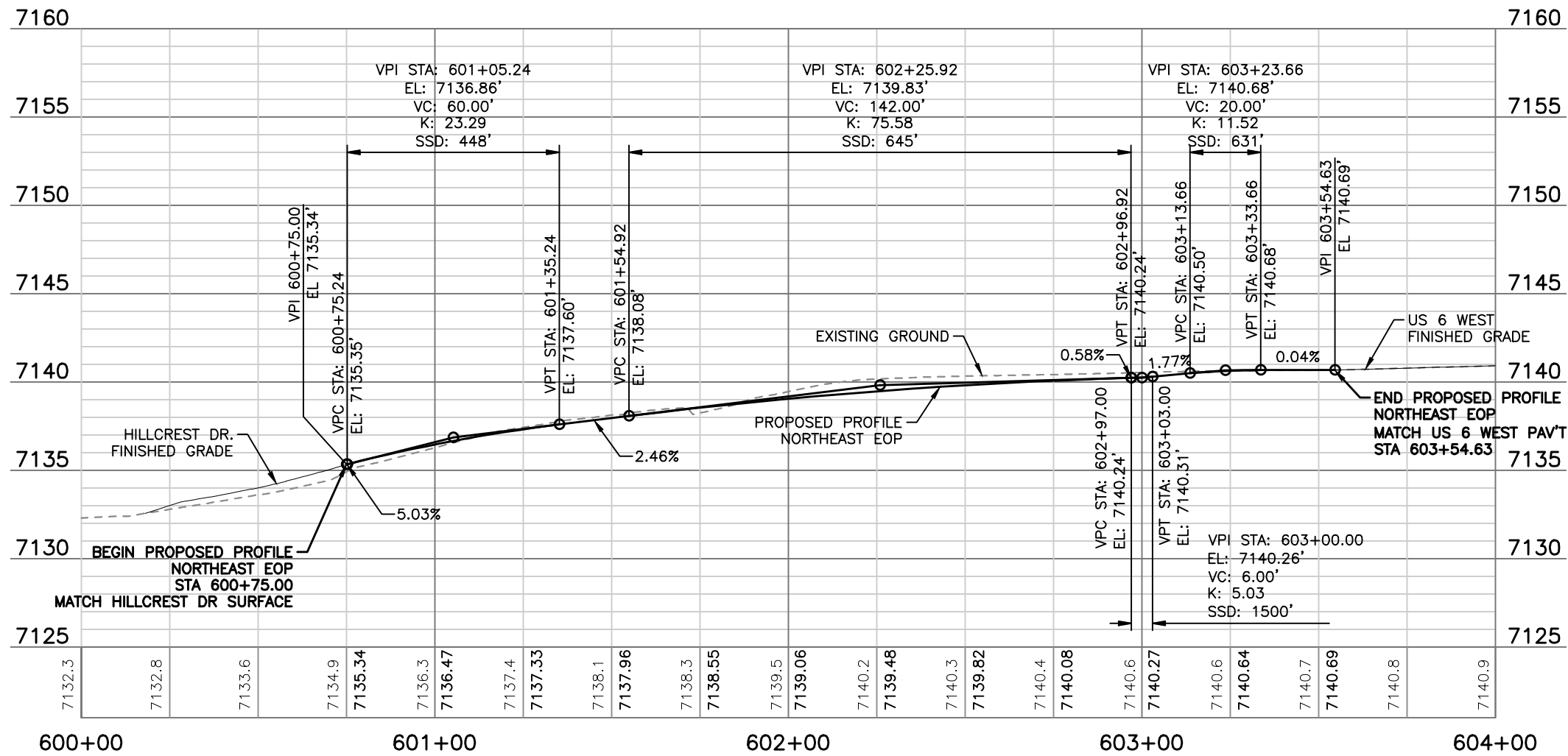


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6400 S. Fiddlers Green Circle, Suite 1500 Greenwood Village, CO 80111 Phone: 303.721.1440 www.FHUENG.com	AD PLAN SET						31



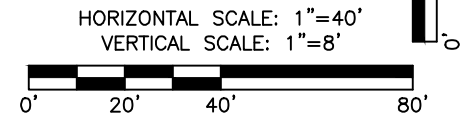
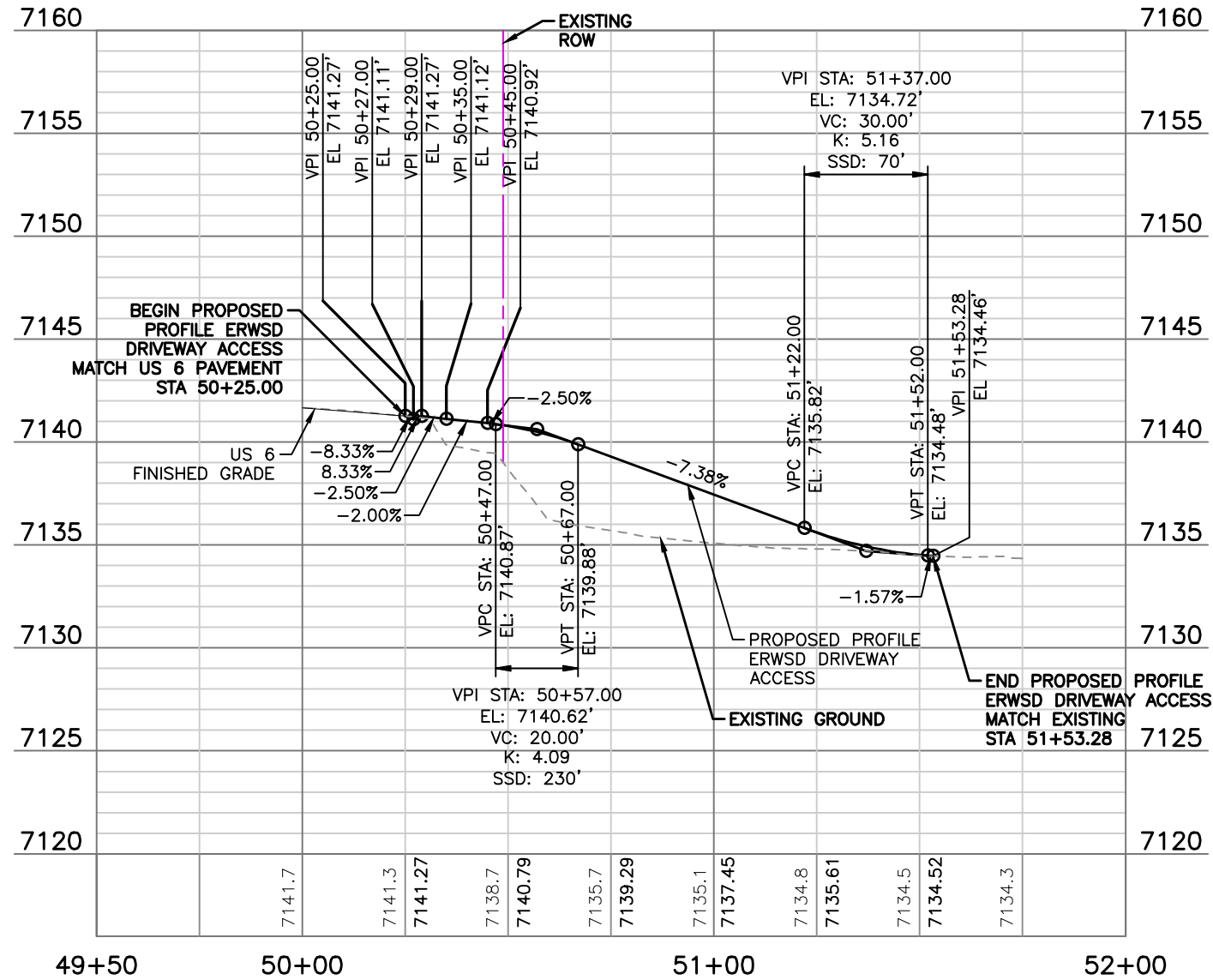
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				DETAILER: SWD	NUMBERS		
6400 S. Fiddlers Green Circle, Suite 1500 Greenwood Village, CO 80111 Phone: 303.721.1440 www.FHUENG.com				SHEET SUBSET: ROADWAY		PR-05 OF 07	32





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6400 S. Fiddlers Green Circle, Suite 1500 Greenwood Village, CO 80111 Phone: 303.721.1440 www.FHUENG.com				VOID:	Sheet Subset: ROADWAY	PR-06 OF 07	33



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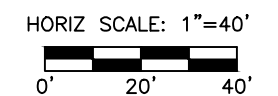
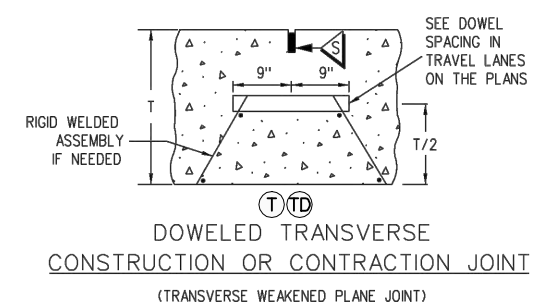
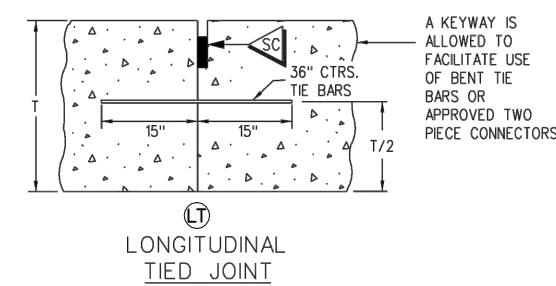
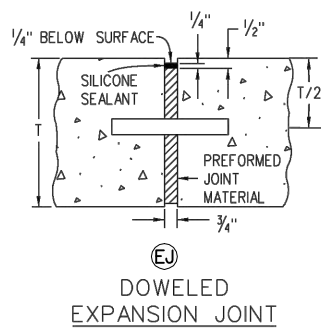
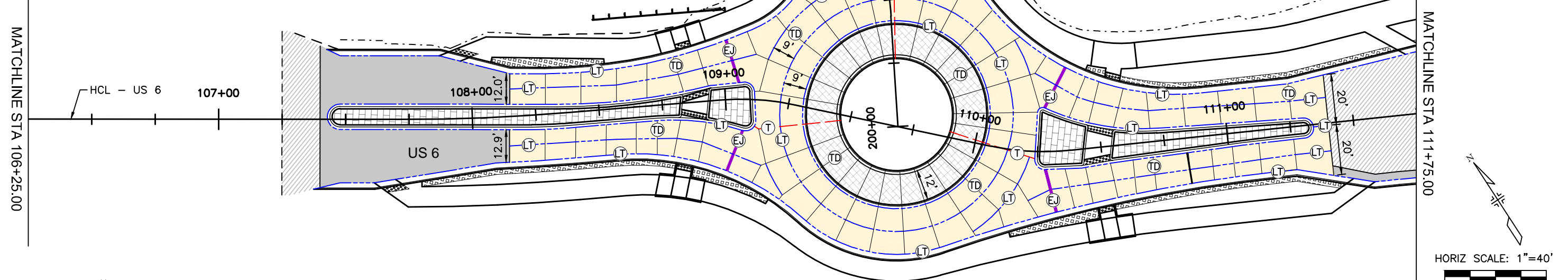
- JOINT LAYOUT IS INTENDED TO CONVEY THE MINIMUM LOCATIONS WHERE DOWELING, EXPANSION, AND JOINTING ARE REQUIRED. ACTUAL FIELD CONDITIONS AND CONTRACTOR INPUT MAY WARRANT VARIATIONS TO THIS PLAN. THE CONTRACTOR SHALL SUBMIT A JOINT LAYOUT FOR APPROVAL BY THE ENGINEER PRIOR TO CONSTRUCTION. THE PAVEMENT JOINT LAYOUT SHALL CONSIDER CONSTRUCTION STAGING AND PHASING OF TRAFFIC.
- TRANSVERSE JOINTS THROUGH THE CURB OR CURB AND GUTTER ARE NOT SHOWN. IF THE CURB OR CURB AND GUTTER ARE POURED MONOLITHICALLY WITH THE CONCRETE PAVEMENT, THE CONTRACTOR SHALL INCLUDE THE CURB AND GUTTER TRAVERSE JOINTS IN THE JOINTING LAYOUT SUBMITTED FOR APPROVAL BY THE ENGINEER.
- BOXOUT AROUND ALL INLET BOXES AS SHOWN IN CDOT STANDARD PLAN M-412-1.
- A "T" JOINT IS REQUIRED WHEN THE WORKING FACE OF THE POUR HAS BEEN INTERRUPTED MORE THAN 30 MINUTES AND AT THE END OF THE DAY'S POUR.
- TIE BARS SHALL BE EPOXY COATED, DEFORMED REINFORCING BARS NO. 5 WHEN T=8". DOWEL BARS SHOWN THROUGH THE EXPANSION JOINT "EJ" SHALL BE SMOOTH AND COATED WITH GREASE OR OTHER APPROVED ANTI-BONDING AGENT. DOWELS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONCRETE PAY ITEMS.
- BACKER ROD SHALL BE CLOSED-CELL POLYETHYLENE STRAND OR AS APPROVED BY THE COUNTY.
- JOINT FILLER SHALL BE EITHER HOT-POURED OR SILICONE SEALANT TO BE APPROVED BY THE COUNTY. APPLY PER MANUFACTURER'S RECOMMENDATIONS.
- SIDEWALK, OUTER CURB, AND SPLITTER ISLAND JOINTING IS TO BE TOOLED. SAW CUTTING WILL NOT BE ALLOWED.
- DOWELS OMITTED FROM THIS SHEET FOR CLARITY.
- MAXIMUM JOINT TRAVERSE SPACING: 15', MAXIMUM JOINT LONGITUDINAL SPACING 12', MINIMUM JOINT SPACING: 2'

HATCH LEGEND

	MEDIAN COVER MATERIAL (6 INCH PATTERNED CONCRETE)		FULL DEPTH ASPHALT PAVEMENT
	CONCRETE TRUCK APRON MATERIAL		2" ASPHALT PAVEMENT (GRADING SX)(75) (PG 58-34)
	AGGREGATE BASE COURSE (CLASS 6)		CONCRETE PAVEMENT
	TURF REINFORCEMENT MAT (SPECIAL)		

JOINTING LEGEND

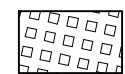
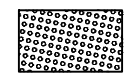
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	LONGITUDINAL TIED JOINT
	TRANSVERSE CONSTRUCTION JOINT
	TRANSVERSE DOWELED JOINT

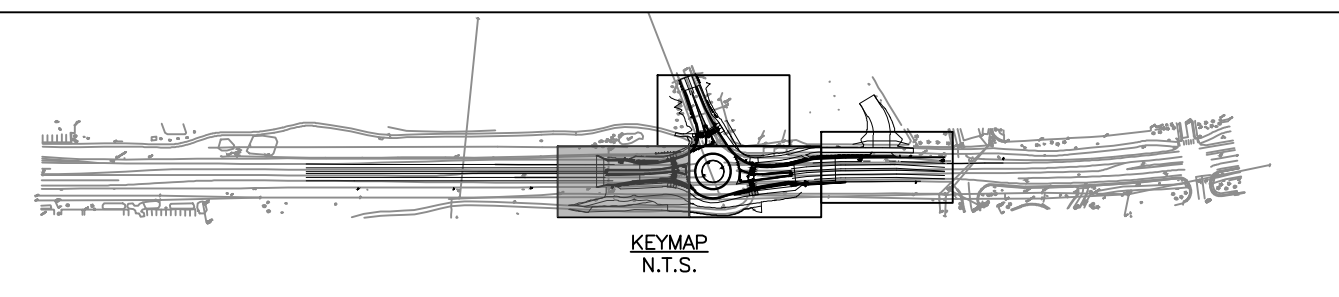
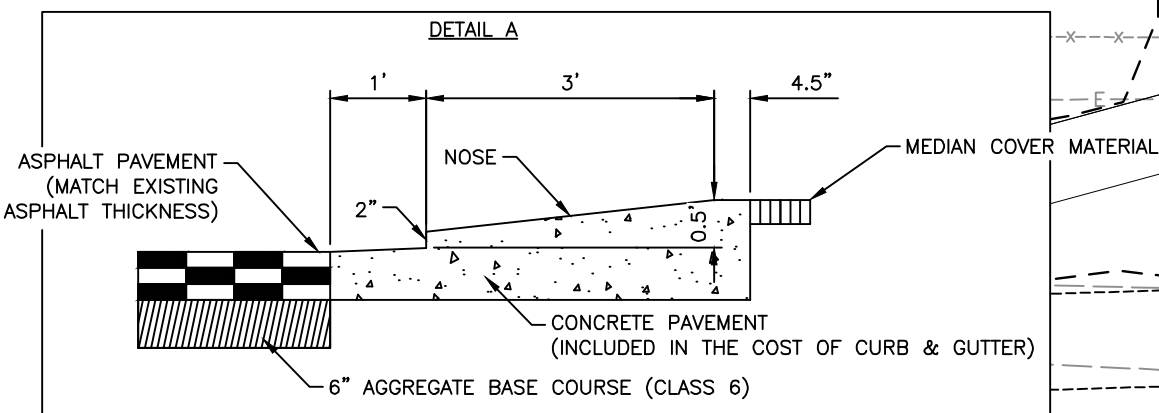
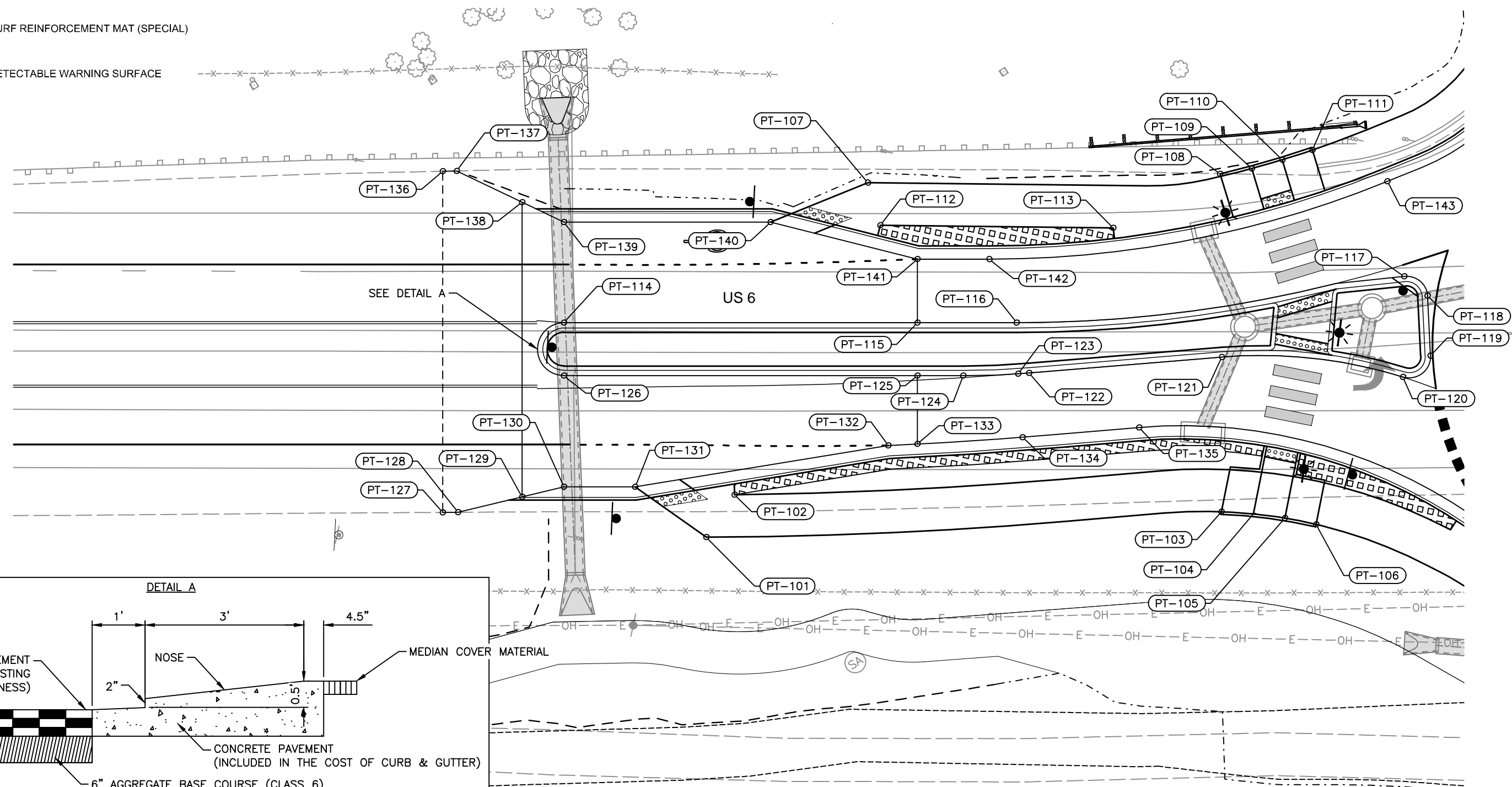


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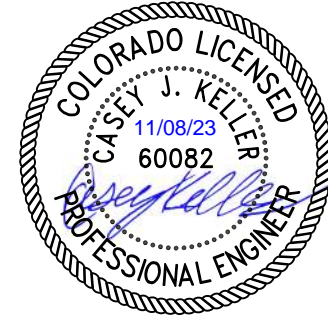
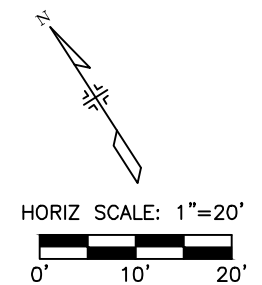
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FILE NAME: D118339-01JNT-PLN.DWG				NO. REVISIONS:			118339-01
Horizontal Scale: 1" = 40' Vertical Scale: N/A	AD PLAN SET		6400 S. Fiddlers Green Circle, Suite 1500 Greenwood Village, CO 80111 Phone: 303.721.1440 www.FHUENG.com	REVISED:	Designer: CJK	STRUCTURE NUMBERS	35
				Detailer: CJK			
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LEGEND


-  TURF REINFORCEMENT MAT (SPECIAL)
-  DETECTABLE WARNING SURFACE



NOTE:
SEE SHEET DET-07 FOR POINT DATA.





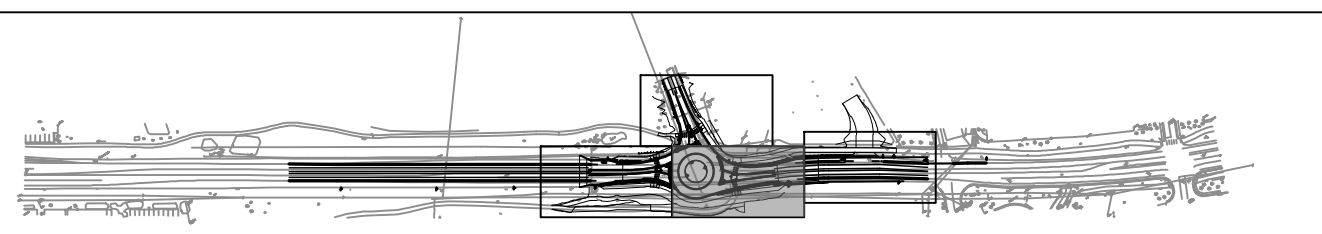
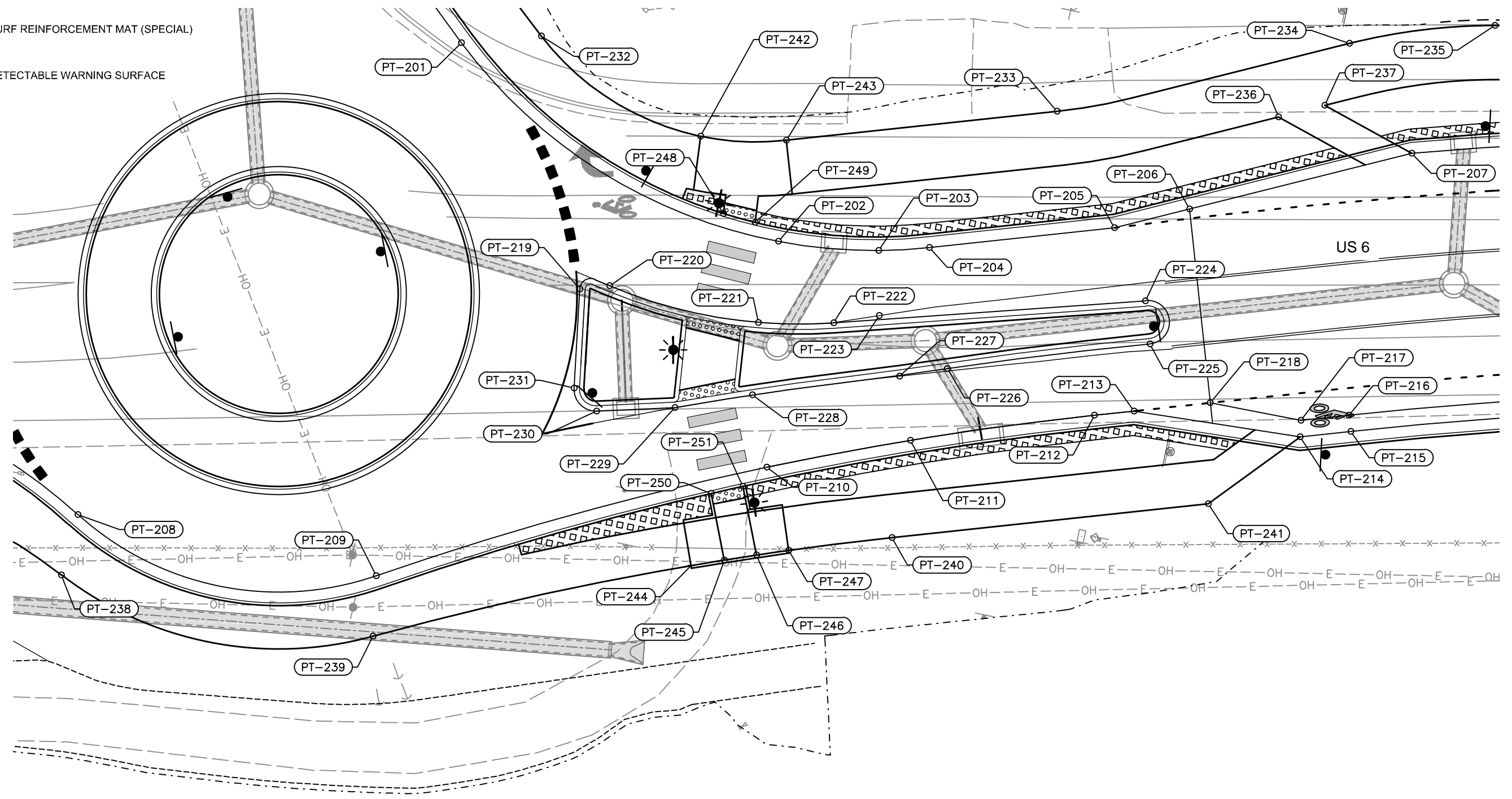
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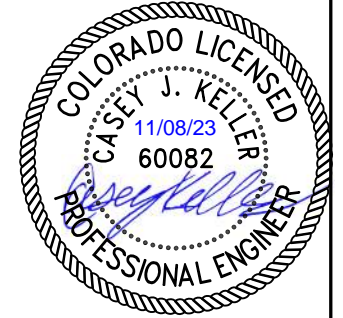
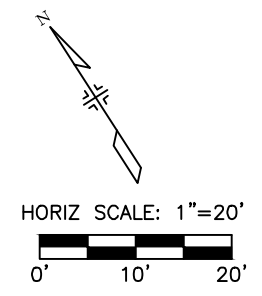
FELSBURG HOLT & ULLEVIG
 6400 S. Fiddlers Green Circle, Suite 1500
 Greenwood Village, CO 80111
 Phone: 303.721.1440
 www.FHUENG.com

LEGEND

-  TURF REINFORCEMENT MAT (SPECIAL)
-  DETECTABLE WARNING SURFACE




NOTE:
SEE SHEET DET-08 FOR POINT DATA.



PRINT DATE: 11/01/2023 11:32 AM
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Sheet Status

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 EAGLE, CO 81631

AS CONSTRUCTED
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**US 6 & HILLCREST ROUNDABOUT
 ROADWAY DETAILS**

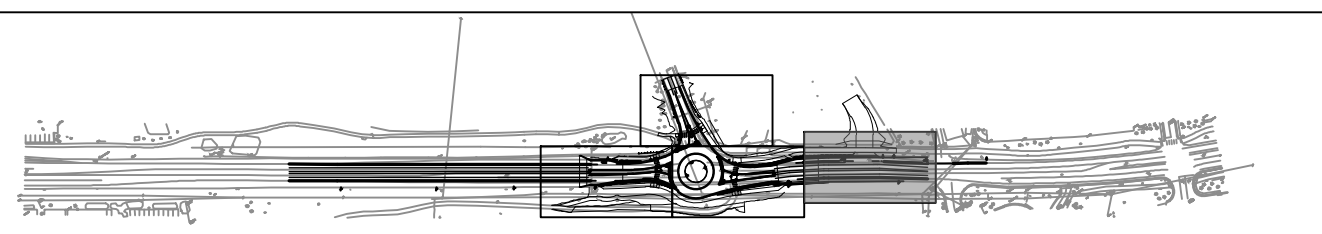
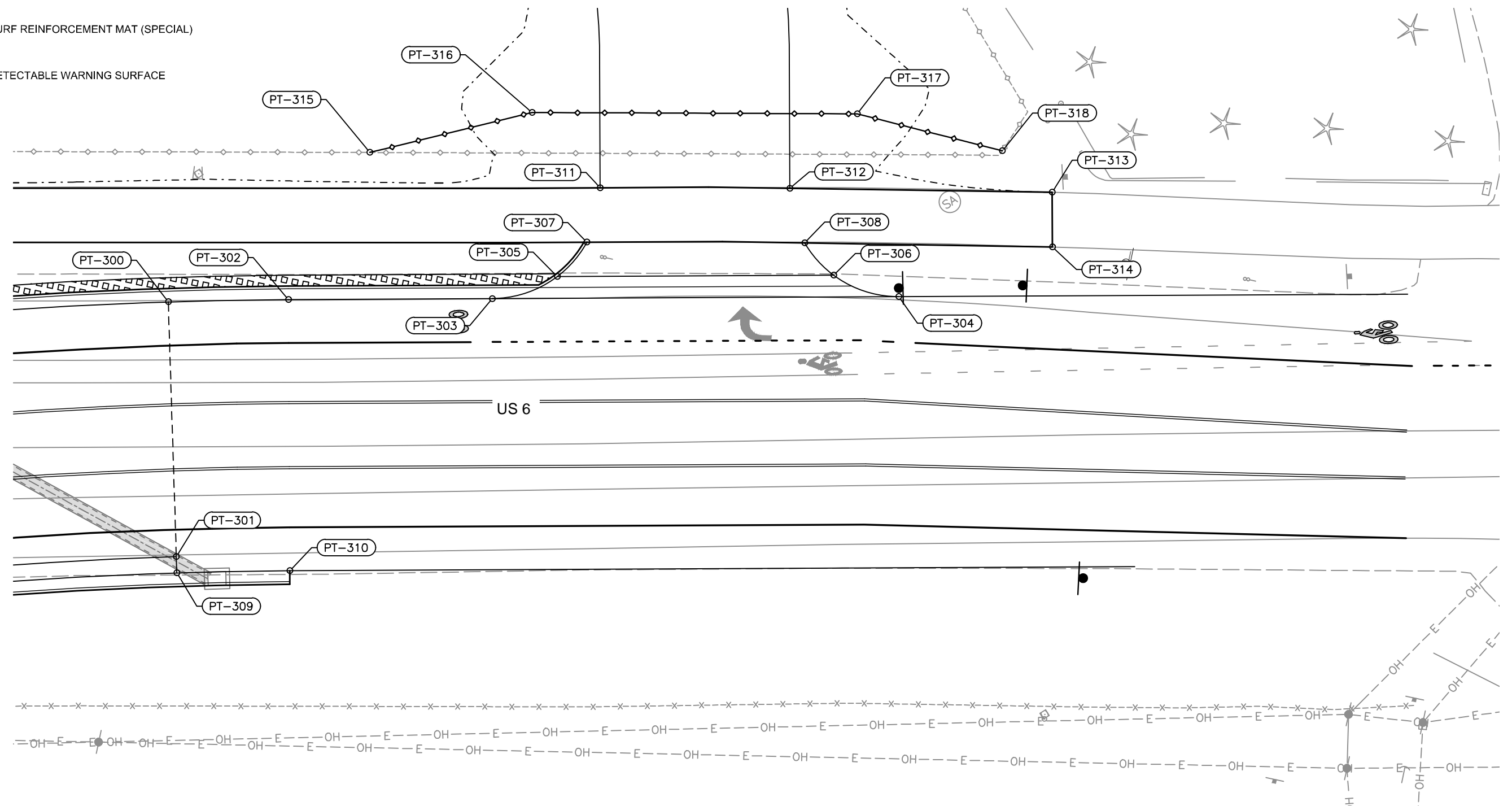
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PROJECT NO./CODE
118339-01
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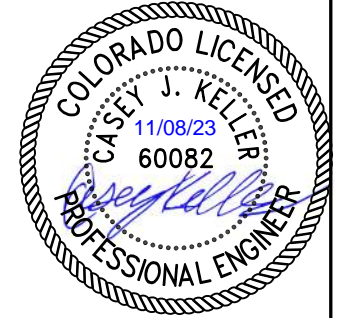
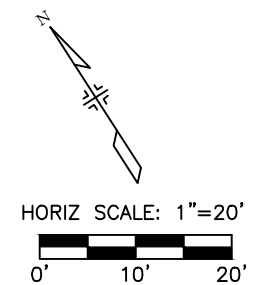
LEGEND

-  TURF REINFORCEMENT MAT (SPECIAL)
-  DETECTABLE WARNING SURFACE





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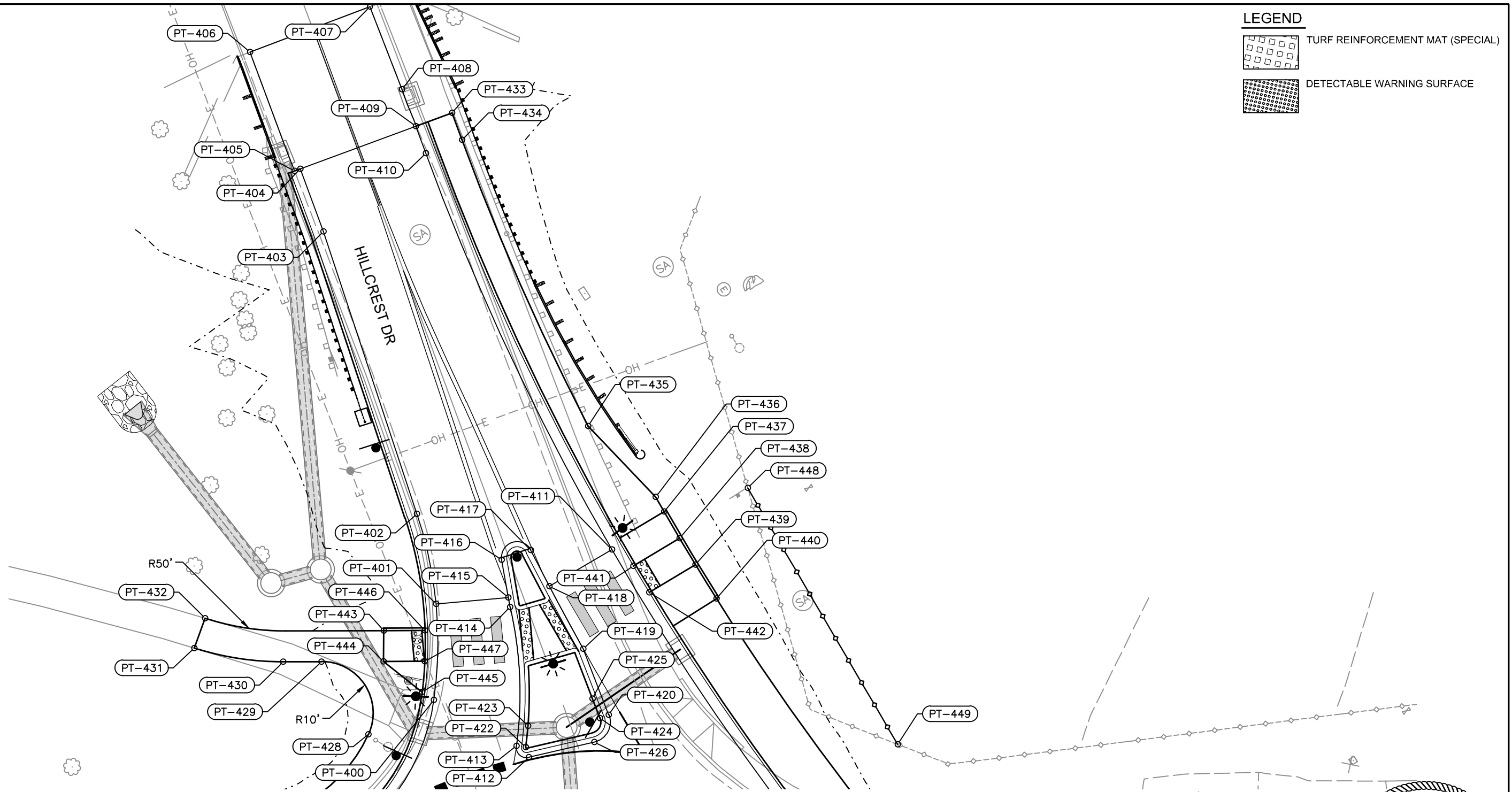
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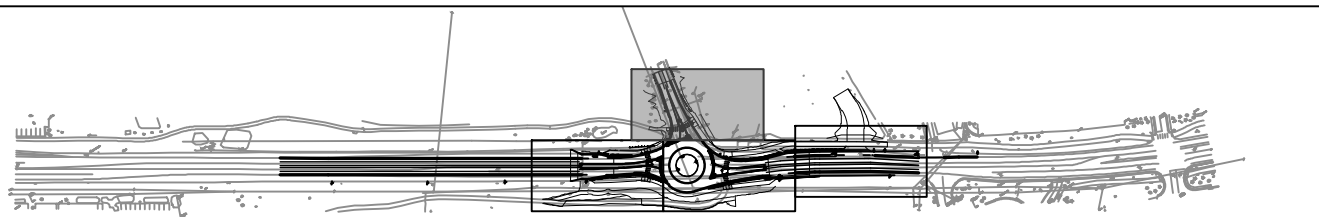
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 6400 S. Fiddlers Green Circle, Suite 1500 Greenwood Village, CO 80111 Phone: 303.721.1440 www.FHUENG.com					Designer: CJK Detailer: CJK Sheet Subset: ROADWAY	38

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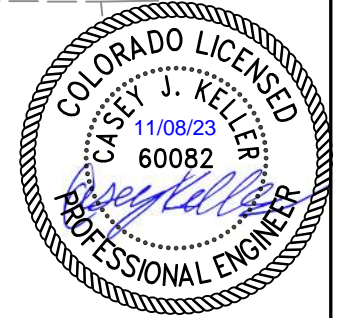
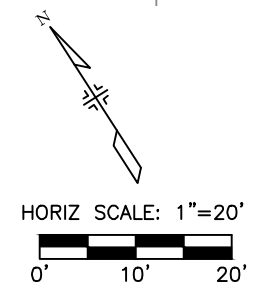




LEGEND	
	TURF REINFORCEMENT MAT (SPECIAL)
	DETECTABLE WARNING SURFACE





KEYMAP
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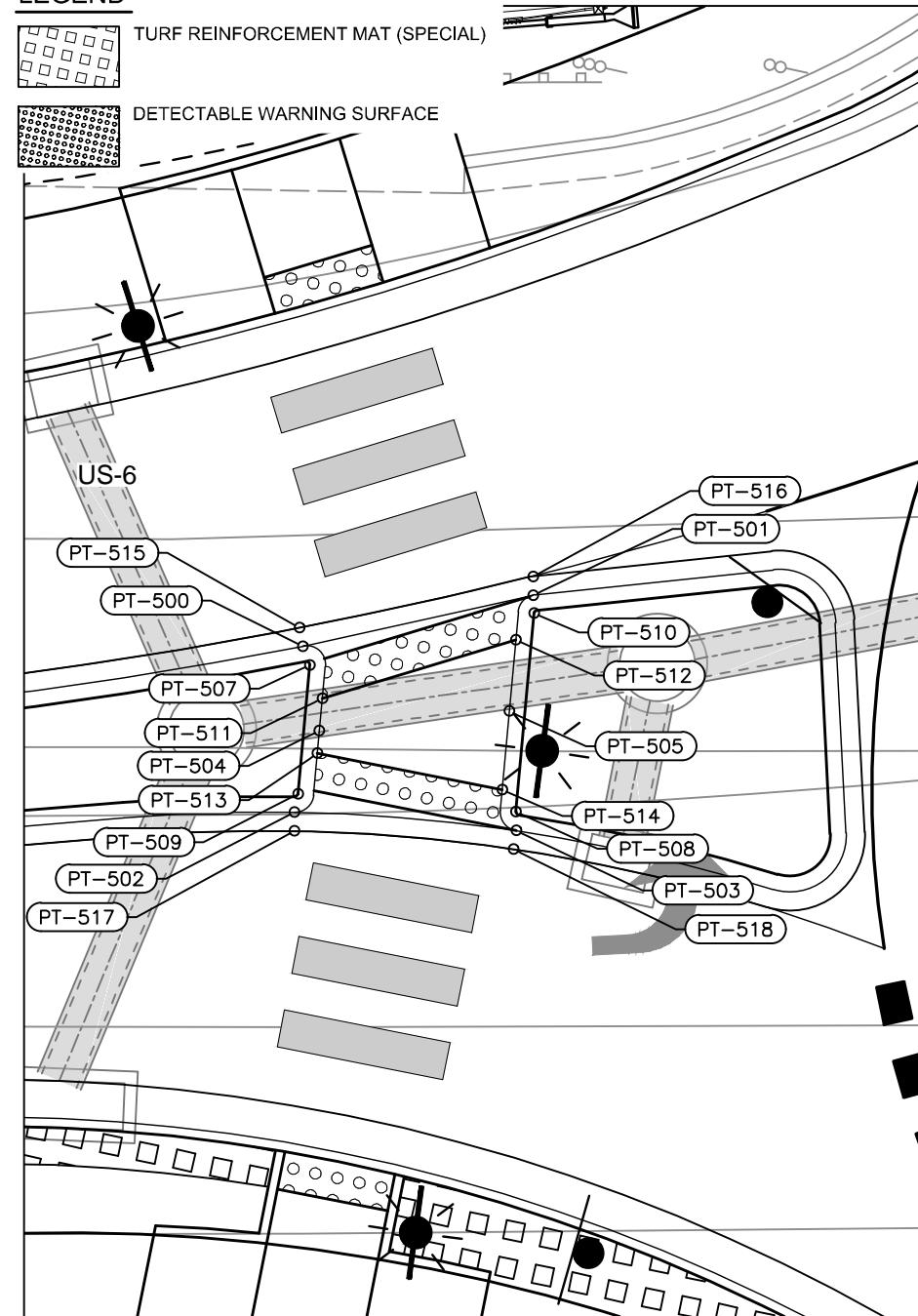
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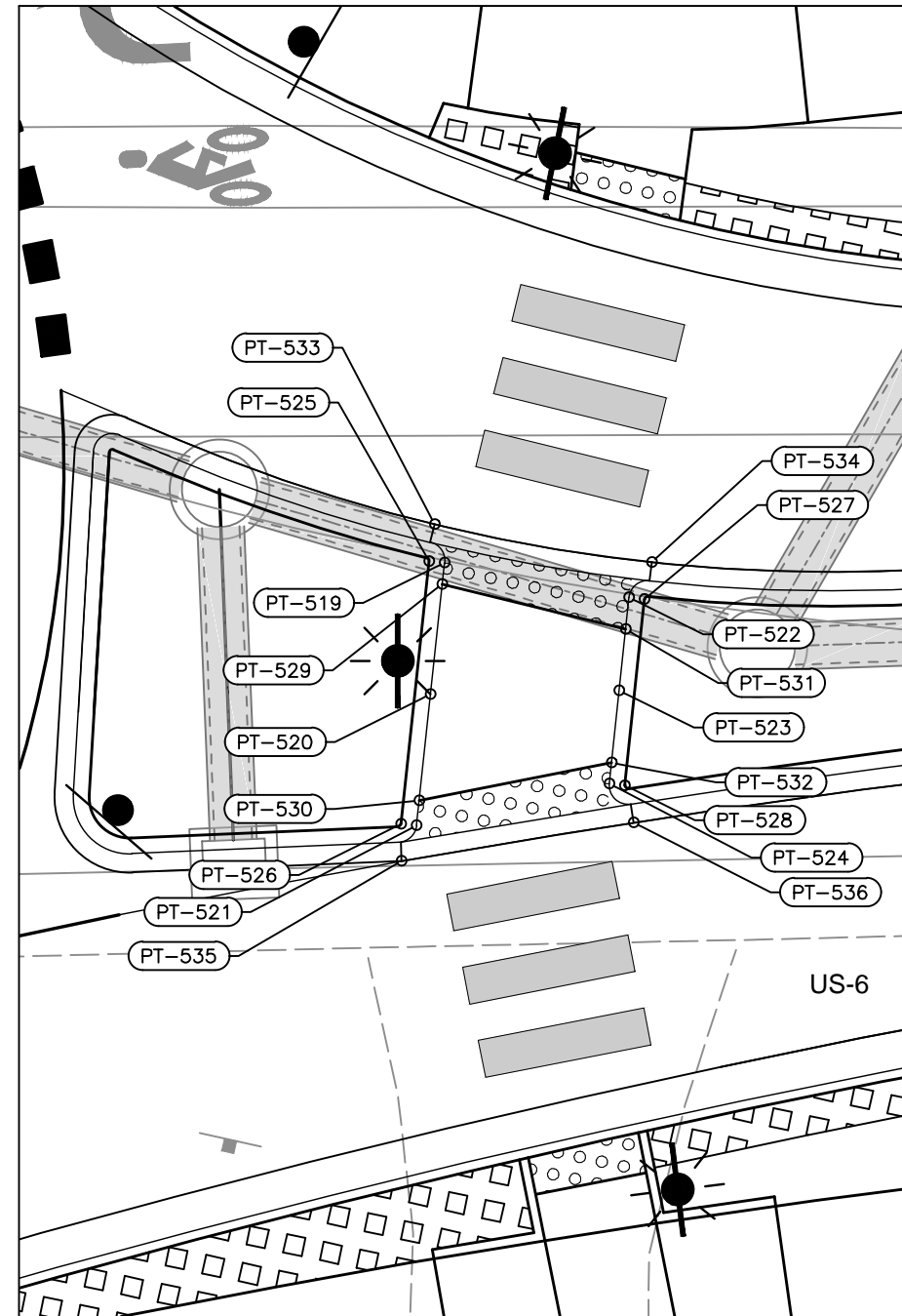
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LEGEND

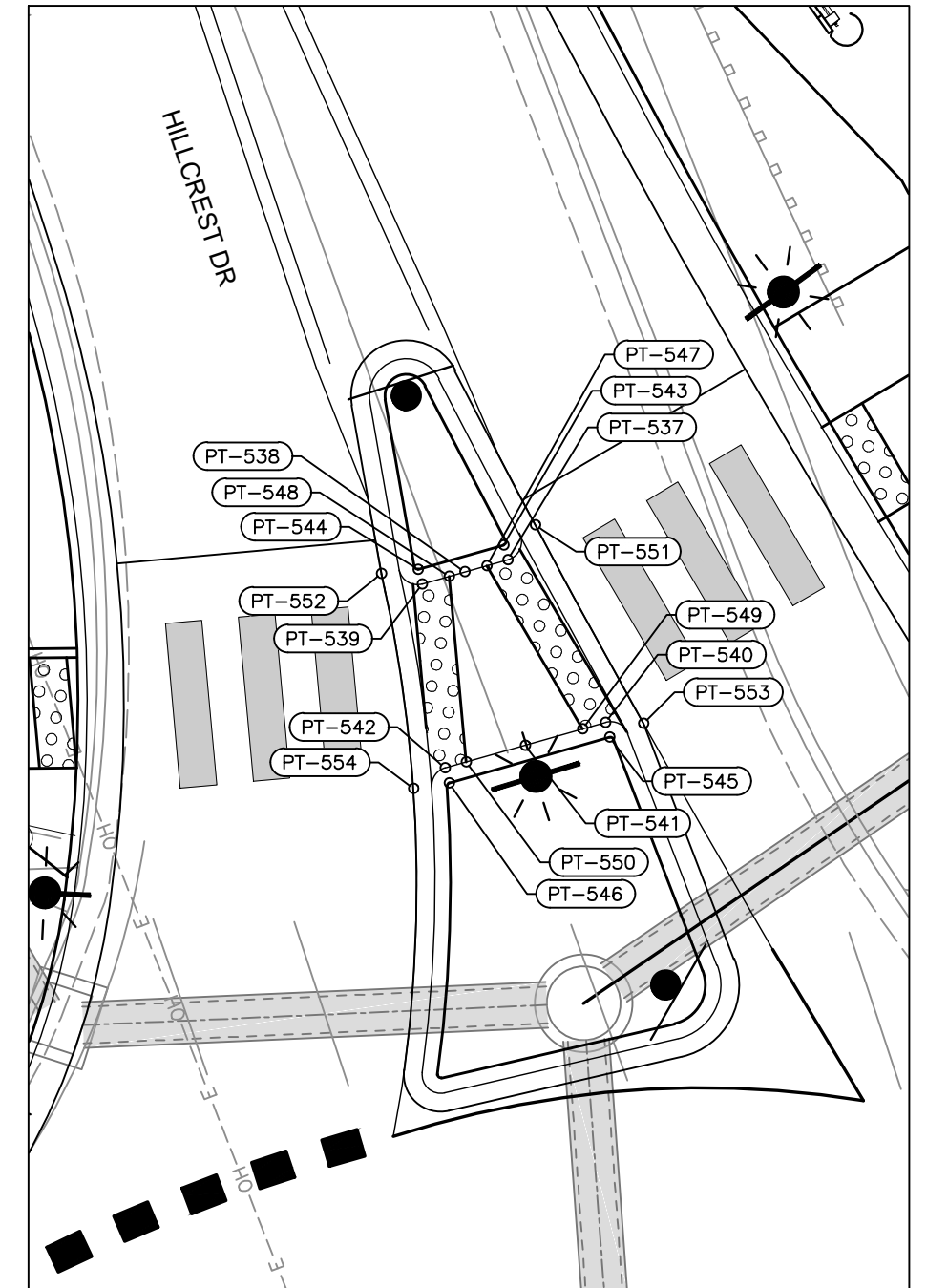
-  TURF REINFORCEMENT MAT (SPECIAL)
-  DETECTABLE WARNING SURFACE



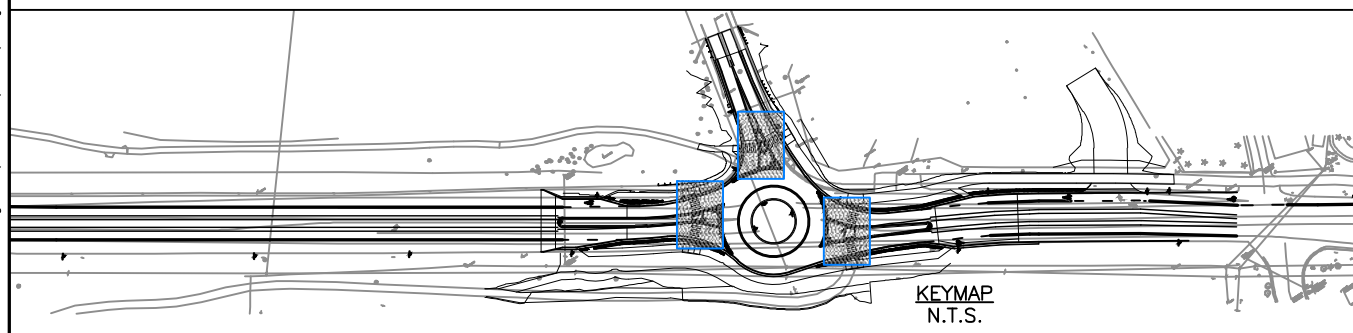
WEST SPLITTER ISLAND



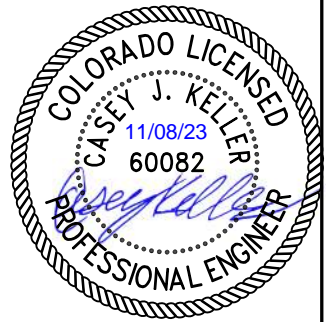
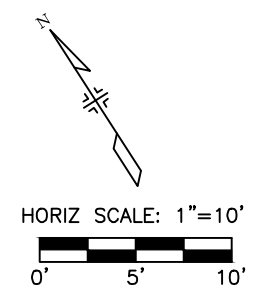
EAST SPLITTER ISLAND




NORTH SPLITTER ISLAND



NOTE:
SEE SHEET DET-10 FOR POINT DATA.



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 EAGLE, CO 81631

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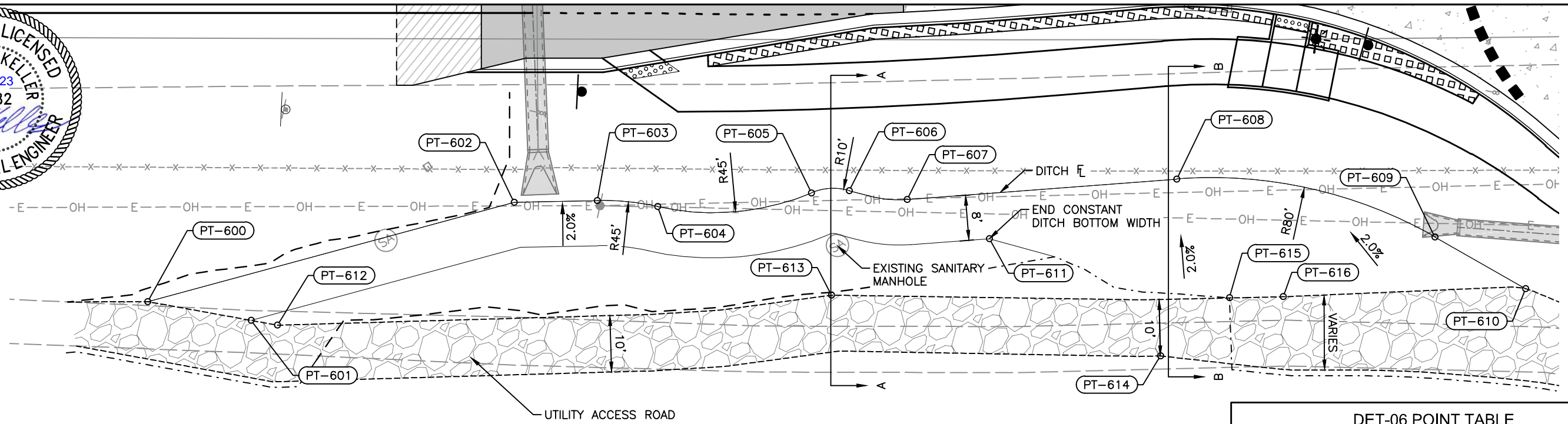
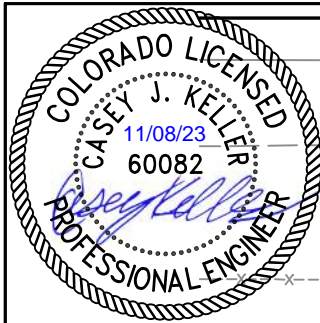
**US 6 & HILLCREST ROUNDABOUT
 ROADWAY DETAILS
 MEDIAN SPLITTER ISLANDS**

Designer: CJK
 Detailer: CJK
 Sheet Subset: ROADWAY

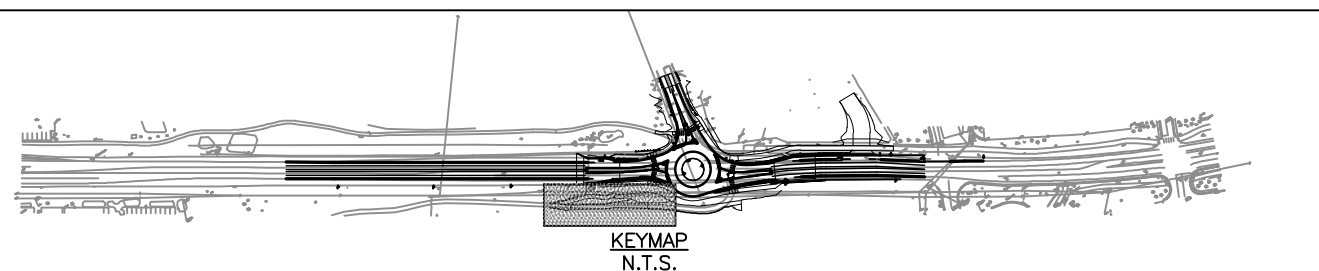
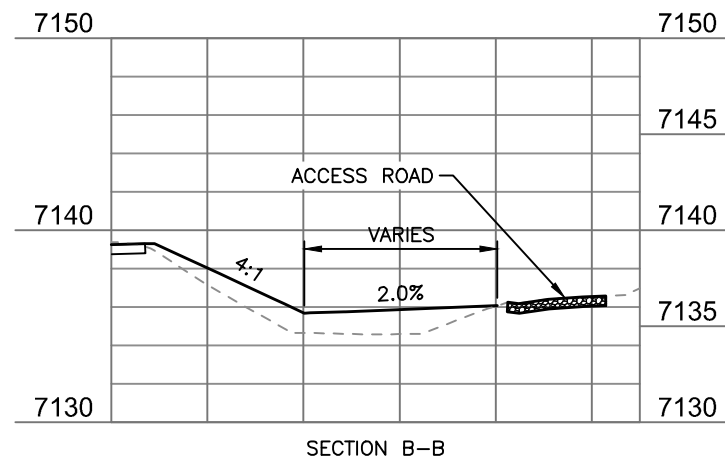
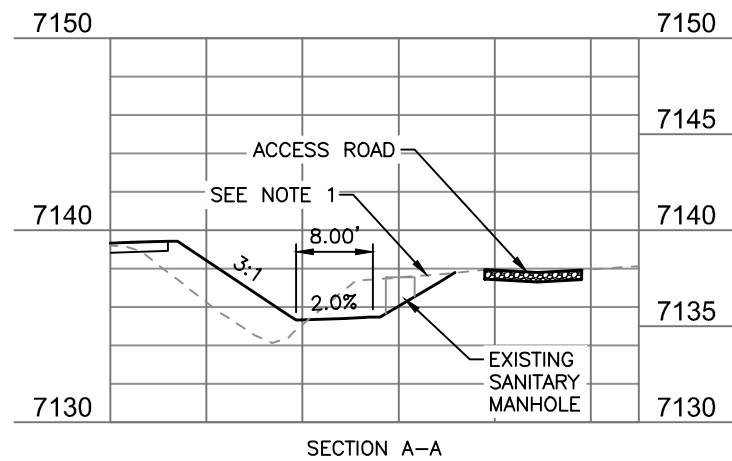
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 DET-05 OF 11

PROJECT NO./CODE
118339-01
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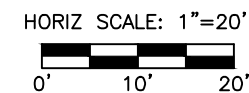
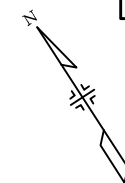


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PT-601	1665113.96	2681815.38	7141.21	ACCESS/DITCH
PT-602	1665106.20	2681865.83	7135.42	DITCH FL
PT-603	1665098.46	2681878.33	7135.06	DITCH FL
PT-604	1665091.74	2681886.73	7135.18	DITCH FL
PT-605	1665078.97	2681910.88	7135.31	DITCH FL
PT-606	1665075.67	2681916.69	7135.34	DITCH FL
PT-607	1665068.77	2681924.46	7135.40	DITCH FL
PT-608	1665045.88	2681966.47	7135.69	DITCH FL
PT-609	1665012.42	2681999.23	7136.12	DITCH FL
PT-610	1664996.03	2682007.72	7136.85	ACCESS/DITCH
PT-611	1665055.06	2681932.91	7135.65	NOTE 2
PT-612	1665110.70	2681818.84	7140.98	ACCESS ROAD
PT-613	1665061.87	2681904.00	7137.94	ACCESS ROAD
PT-614	1665021.17	2681947.03	7136.61	ACCESS ROAD
PT-615	1665023.18	2681962.87	7136.18	ACCESS ROAD
PT-616	1665018.16	2681970.94	7136.22	ACCESS ROAD



NOTES:

- THE CONTRACTOR SHALL GRADE AROUND THE EXISTING MANHOLE ON THE SOUTH SIDE FOR FUTURE MAINTENANCE ACCESS, AS DIRECTED BY THE ENGINEER.
- THE DITCH HAS A CONSTANT CROSS SECTION OF 2% UNTIL THE DITCH BOTTOM CATCHES EXISTING GRADE, AS SHOWN IN SECTION B-B.



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 500 BROADWAY
 EAGLE, CO 81631

AS CONSTRUCTED
 NO. REVISIONS:
 REVISED:
 VOID:

**US 6 & HILLCREST ROUNDABOUT
 ROADWAY DETAILS
 SOUTHWEST DITCH**

Designer: CJK
 Detailer: CJK
 Sheet Subset: ROADWAY

STRUCTURE NUMBERS
 DET-06 OF 11



PROJECT NO./CODE
118339-01
 41

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DET-01 POINT TABLE					DET-01 POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION	POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
PT-101	1665103.88	2681898.88	7139.46	BACK OF WALK	PT-141	1665126.24	2681960.91	7138.69	END ASPHALT
PT-102	1665107.72	2681907.73	7139.35	SIDEWALK	PT-142	1665118.84	2681972.33	7138.58	EDGE OF PAVEMENT
PT-103	1665054.98	2681983.23	7139.28	BACK OF CURB RAMP	PT-143	1665090.27	2682043.46	7137.83	EDGE OF PAVEMENT
PT-104	1665051.35	2681988.07	7139.21	BACK OF CURB RAMP					
PT-105	1665047.45	2681992.64	7139.19	BACK OF CURB RAMP					
PT-106	1665043.25	2681996.94	7139.31	BACK OF CURB RAMP					
PT-107	1665143.43	2681960.93	7139.26	BACK OF WALK					
PT-108	1665108.64	2682017.70	7138.61	BACK OF CURB RAMP					
PT-109	1665106.23	2682023.25	7138.15	BACK OF CURB RAMP					
PT-110	1665104.49	2682028.99	7138.09	BACK OF CURB RAMP					
PT-111	1665102.94	2682034.79	7138.41	BACK OF CURB RAMP					
PT-112	1665135.41	2681958.54	7139.12	FRONT OF WALK					
PT-113	1665111.07	2681995.20	7138.73	FRONT OF WALK					
PT-114	1665152.49	2681898.32	7139.45	EDGE OF PAVEMENT					
PT-115	1665116.17	2681954.39	7138.98	12' MIN. LANE WIDTH					
PT-116	1665105.97	2681970.13	7138.80	EDGE OF PAVEMENT					
PT-117	1665073.49	2682036.35	7138.15	EDGE OF PAVEMENT					
PT-118	1665068.04	2682038.07	7138.17	EDGE OF PAVEMENT					
PT-119	1665058.22	2682032.37	7138.32	EDGE OF PAVEMENT					
PT-120	1665057.67	2682025.83	7138.51	EDGE OF PAVEMENT					
PT-121	1665079.44	2681999.17	7138.53	EDGE OF PAVEMENT					
PT-122	1665096.72	2681966.96	7138.84	EDGE OF PAVEMENT					
PT-123	1665097.72	2681965.14	7138.85	12' MIN. LANE WIDTH					
PT-124	1665103.06	2681956.23	7138.94	EDGE OF PAVEMENT					
PT-125	1665107.78	2681948.95	7139.02	END ASPHALT					
PT-126	1665144.10	2681892.88	7139.37	EDGE OF PAVEMENT					
PT-127	1665134.88	2681859.65	7138.76	EDGE OF PAVEMENT					
PT-128	1665133.32	2681862.10	7138.77	EDGE OF PAVEMENT					
PT-129	1665129.18	2681873.82	7138.99	EDGE OF PAVEMENT					
PT-130	1665126.48	2681881.46	7138.95	EDGE OF PAVEMENT					
PT-131	1665119.15	2681892.78	7138.97	EDGE OF PAVEMENT					
PT-132	1665099.72	2681937.18	7138.83	EDGE OF PAVEMENT					
PT-133	1665096.96	2681941.94	7138.81	END ASPHALT					
PT-134	1665087.22	2681959.32	7138.78	12' MIN. LANE WIDTH					
PT-135	1665076.78	2681978.81	7138.76	EDGE OF PAVEMENT					
PT-136	1665188.95	2681894.67	7138.65	EDGE OF PAVEMENT					
PT-137	1665187.55	2681896.94	7138.66	EDGE OF PAVEMENT					
PT-138	1665175.89	2681904.09	7138.79	EDGE OF PAVEMENT					
PT-139	1665168.44	2681908.65	7138.97	EDGE OF PAVEMENT					
PT-140	1665147.19	2681941.45	7138.84	EDGE OF PAVEMENT					



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 6400 S. Fiddlers Green Circle, Suite 1500 Greenwood Village, CO 80111 Phone: 303.721.1440 www.FHUENG.com				VOID:	Designer: CJK	STRUCTURE NUMBERS		
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					Sheet Subset: ROADWAY		DET-07 OF 11	42

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DET-02 POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
PT-201	1665050.58	2682133.60	7138.35	EDGE OF PAVEMENT
PT-202	1664987.99	2682162.75	7139.65	END ASPHALT
PT-203	1664976.52	2682177.37	7139.89	12' MIN. LANE WIDTH
PT-204	1664971.88	2682185.52	7139.99	EDGE OF PAVEMENT
PT-205	1664956.40	2682216.13	7140.26	EDGE OF PAVEMENT
PT-206	1664951.78	2682229.66	7140.50	EDGE FULL DEPTH ASPHALT
PT-207	1664938.11	2682269.63	7140.69	EDGE OF PAVEMENT
PT-208	1665015.96	2682026.89	7139.09	EDGE OF PAVEMENT
PT-209	1664976.56	2682066.92	7140.08	EDGE OF PAVEMENT
PT-210	1664954.18	2682138.28	7140.21	END ASPHALT
PT-211	1664943.97	2682163.21	7140.18	12' MIN. LANE WIDTH
PT-212	1664929.36	2682194.25	7140.17	EDGE OF PAVEMENT
PT-213	1664926.06	2682200.79	7140.17	EDGE OF PAVEMENT
PT-214	1664905.39	2682223.93	7140.18	EDGE OF PAVEMENT
PT-215	1664901.16	2682232.28	7140.31	EDGE OF PAVEMENT
PT-216	1664903.84	2682233.64	7140.46	EDGE FULL DEPTH ASPHALT
PT-217	1664907.86	2682225.69	7140.35	EDGE FULL DEPTH ASPHALT
PT-218	1664919.67	2682213.41	7140.27	EDGE FULL DEPTH ASPHALT
PT-219	1665000.54	2682127.23	7139.35	EDGE OF PAVEMENT
PT-220	1664998.04	2682132.16	7139.47	EDGE OF PAVEMENT
PT-221	1664977.44	2682151.54	7139.90	END ASPHALT
PT-222	1664969.83	2682163.12	7140.06	EDGE OF PAVEMENT
PT-223	1664966.40	2682170.93	7140.13	12' MIN. LANE WIDTH
PT-224	1664941.98	2682213.62	7140.57	EDGE OF PAVEMENT
PT-225	1664934.86	2682209.97	7140.52	EDGE OF PAVEMENT
PT-226	1664951.35	2682176.15	7140.29	EDGE OF PAVEMENT
PT-227	1664954.97	2682168.01	7140.24	12' MIN. LANE WIDTH
PT-228	1664966.82	2682143.32	7140.07	END ASPHALT
PT-229	1664972.63	2682130.02	7139.98	EDGE OF PAVEMENT
PT-230	1664979.96	2682117.58	7139.86	EDGE OF PAVEMENT
PT-231	1664985.78	2682116.39	7139.74	EDGE OF PAVEMENT
PT-232	1665043.60	2682146.64	7139.04	BACK OF WALK
PT-233	1664980.18	2682218.96	7140.82	BACK OF WALK
PT-234	1664961.38	2682271.04	7139.72	BACK OF WALK
PT-235	1664949.57	2682295.35	7139.02	BACK OF WALK
PT-236	1664957.09	2682252.66	7140.92	SIDEWALK
PT-237	1664954.24	2682260.99	7140.34	SIDEWALK
PT-238	1665008.26	2682018.27	7139.88	BACK OF WALK
PT-239	1664967.50	2682060.36	7140.77	BACK OF WALK
PT-240	1664930.72	2682150.59	7140.74	BACK OF WALK

DET-02 POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
PT-241	1664904.22	2682202.98	7140.69	BACK OF WALK
PT-242	1665012.10	2682161.26	7139.84	BACK OF CURB RAMP
PT-243	1665002.86	2682174.13	7140.18	BACK OF CURB RAMP
PT-244	1664946.56	2682116.71	7140.74	BACK OF CURB RAMP
PT-245	1664944.07	2682122.40	7140.70	BACK OF CURB RAMP
PT-246	1664941.62	2682127.88	7140.73	BACK OF CURB RAMP
PT-247	1664939.10	2682133.34	7140.75	BACK OF CURB RAMP
PT-248	1664997.83	2682157.02	7139.43	FRONT OF CURB RAMP
PT-249	1664993.28	2682161.03	7139.52	FRONT OF CURB RAMP
PT-250	1664955.70	2682127.04	7140.17	FRONT OF CURB RAMP
PT-251	1664953.63	2682132.67	7140.16	FRONT OF CURB RAMP

DET-03 POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
PT-300	1664915.90	2682308.80	7140.92	END MILL & OVERLAY
PT-301	1664875.67	2682284.51	7140.99	END MILL & OVERLAY
PT-302	1664904.19	2682327.63	7141.03	EDGE OF GUTTER
PT-303	1664883.90	2682359.28	7141.15	EDGE OF GUTTER
PT-304	1664843.43	2682422.42	7141.44	EDGE OF GUTTER
PT-305	1664880.79	2682371.54	7141.18	EDGE OF GUTTER
PT-306	1664853.27	2682414.48	7141.36	EDGE OF GUTTER
PT-307	1664883.14	2682379.58	7140.96	SIDEWALK
PT-308	1664861.20	2682413.23	7141.19	SIDEWALK
PT-309	1664873.10	2682282.96	7140.89	EDGE OF GUTTER
PT-310	1664862.09	2682300.65	7140.95	EDGE OF GUTTER
PT-311	1664890.22	2682387.09	7140.86	BACK OF WALK
PT-312	1664871.12	2682416.41	7140.97	BACK OF WALK
PT-313	1664844.18	2682456.64	7139.53	BACK OF WALK
PT-314	1664835.69	2682451.20	--	MATCH EXISTING
PT-315	1664918.79	2682354.98	7137.85	PROP FENCE
PT-316	1664908.71	2682384.09	7139.52	PROP FENCE
PT-317	1664875.88	2682434.31	7139.60	PROP FENCE
PT-318	1664855.59	2682453.07	7138.43	PROP FENCE



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			118339-01
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DET-04 POINT TABLE					DET-04 POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION	POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
PT-400	1665102.03	2682088.20	7137.10	EDGE OF PAVEMENT	PT-442	1665096.83	2682134.78	7137.01	FRONT OF CURB RAMP
PT-401	1665117.49	2682098.70	7136.68	EDGE OF PAVEMENT	PT-443	1665118.70	2682087.36	7137.26	BACK OF CURB RAMP
PT-402	1665134.25	2682105.14	7136.17	EDGE OF PAVEMENT	PT-444	1665113.67	2682084.05	7137.42	BACK OF CURB RAMP
PT-403	1665190.31	2682119.73	7133.32	EDGE OF PAVEMENT	PT-445	1665104.60	2682087.10	7137.41	CURB RAMP
PT-404	1665203.01	2682122.59	7132.68	EDGE OF PAVEMENT	PT-446	1665114.37	2682094.08	7136.75	FRONT OF CURB RAMP
PT-405	1665203.27	2682121.45	7132.59	EDGE OF PAVEMENT	PT-447	1665109.34	2682090.78	7136.89	FRONT OF CURB RAMP
PT-406	1665227.42	2682126.75	7132.34	ME EDGE OF PAVEMENT	PT-448	1665103.48	2682161.95	7135.66	PROP FENCE
PT-407	1665222.13	2682151.15	7132.31	ME EDGE OF PAVEMENT	PT-449	1665045.68	2682159.31	7137.88	PROP FENCE
PT-408	1665205.21	2682147.65	7132.41	EDGE OF PAVEMENT					
PT-409	1665197.75	2682146.00	7132.57	EDGE OF PAVEMENT					
PT-410	1665192.26	2682144.77	7132.93	EDGE OF PAVEMENT					
PT-411	1665107.76	2682133.22	7136.81	EDGE OF PAVEMENT					
PT-412	1665082.61	2682097.65	7137.93	EDGE OF PAVEMENT					
PT-413	1665085.79	2682096.81	7137.76	EDGE OF PAVEMENT					
PT-414	1665109.18	2682110.48	7137.26	EDGE OF PAVEMENT					
PT-415	1665110.91	2682111.21	7137.22	EDGE OF PAVEMENT					
PT-416	1665117.77	2682114.12	7136.98	EDGE OF PAVEMENT					
PT-417	1665116.30	2682119.87	7136.94	EDGE OF PAVEMENT					
PT-418	1665108.38	2682119.11	7137.21	EDGE OF PAVEMENT					
PT-419	1665094.57	2682118.04	7137.54	EDGE OF PAVEMENT					
PT-420	1665081.11	2682115.20	7137.85	EDGE OF PAVEMENT					
PT-422	1665084.60	2682098.20	7138.17	BEGIN CATCH TO SPILL TRANS.					
PT-423	1665087.83	2682100.83	7138.22	END CATCH TO SPILL TRANS.					
PT-424	1665081.49	2682113.41	7138.27	BEGIN CATCH TO SPILL TRANS.					
PT-425	1665085.49	2682114.25	7138.34	END CATCH TO SPILL TRANS.					
PT-426	1665078.17	2682109.93	7137.98	EDGE OF PAVEMENT					
PT-428	1665103.37	2682073.86	7137.76	BACK OF WALK					
PT-429	1665120.20	2682073.88	7135.57	SIDEWALK					
PT-430	1665124.24	2682067.59	7135.02	SIDEWALK					
PT-431	1665135.89	2682054.52	--	MATCH EXISTING					
PT-432	1665139.63	2682059.45	--	MATCH EXISTING					
PT-433	1665196.10	2682153.32	7132.98	BACK OF WALK					
PT-434	1665190.61	2682152.08	7133.34	BACK OF WALK					
PT-435	1665130.50	2682142.42	7136.30	BACK OF WALK					
PT-436	1665111.74	2682145.95	7137.12	BACK OF WALK					
PT-437	1665108.44	2682145.77	7137.25	BACK OF CURB RAMP					
PT-438	1665102.46	2682145.48	7137.09	BACK OF CURB RAMP					
PT-439	1665096.47	2682145.27	7137.28	BACK OF CURB RAMP					
PT-440	1665088.69	2682145.12	7137.89	BACK OF CURB RAMP					
PT-441	1665102.83	2682134.99	7136.88	FRONT OF CURB RAMP					



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WEST SPLITTER ISLAND - POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
PT-500	1665082.83	2682012.62	7138.36	FLOWLINE
PT-501	1665078.43	2682024.40	7138.29	FLOWLINE
PT-502	1665075.64	2682007.42	7138.55	FLOWLINE
PT-503	1665068.38	2682016.82	7138.53	FLOWLINE
PT-504	1665078.56	2682010.90	7138.60	FLOWLINE
PT-505	1665073.93	2682019.98	7138.60	FLOWLINE
PT-507	1665081.80	2682012.38	7138.86	TOP BACK OF CURB
PT-508	1665069.23	2682017.35	7139.03	TOP BACK OF CURB
PT-509	1665076.36	2682008.11	7139.04	TOP BACK OF CURB
PT-510	1665077.60	2682023.92	7138.77	TOP BACK OF CURB
PT-511	1665079.93	2682011.98	7138.52	DETECTABLE WARNING
PT-512	1665076.94	2682022.34	7138.43	DETECTABLE WARNING
PT-513	1665077.61	2682010.16	7138.59	DETECTABLE WARNING
PT-514	1665070.62	2682017.38	7138.56	DETECTABLE WARNING
PT-515	1665083.75	2682012.99	7138.28	EDGE OF PAVEMENT
PT-516	1665079.28	2682024.95	7138.18	EDGE OF PAVEMENT
PT-517	1665074.81	2682006.87	7138.46	EDGE OF PAVEMENT
PT-518	1665067.63	2682016.16	7138.45	EDGE OF PAVEMENT

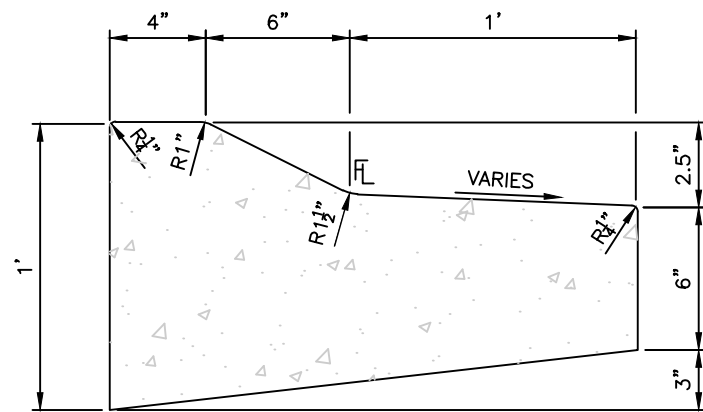
EAST SPLITTER ISLAND - POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
PT-519	1664984.78	2682140.53	7139.85	FLOWLINE
PT-520	1664979.31	2682136.09	7140.19	FLOWLINE
PT-521	1664973.83	2682131.65	7140.12	FLOWLINE
PT-522	1664977.87	2682147.80	7140.02	FLOWLINE
PT-523	1664973.99	2682144.65	7140.22	FLOWLINE
PT-524	1664970.11	2682141.50	7140.17	FLOWLINE
PT-525	1664985.31	2682139.89	7140.29	TOP BACK OF CURB
PT-526	1664974.35	2682131.00	7140.57	TOP BACK OF CURB
PT-527	1664977.34	2682148.45	7140.45	TOP BACK OF CURB
PT-528	1664969.58	2682142.15	7140.64	TOP BACK OF CURB
PT-529	1664983.90	2682139.81	7139.91	DETECTABLE WARNING
PT-530	1664974.88	2682132.50	7140.13	DETECTABLE WARNING
PT-531	1664976.54	2682146.73	7140.08	DETECTABLE WARNING
PT-532	1664970.98	2682142.22	7140.18	DETECTABLE WARNING
PT-533	1664986.79	2682141.21	7139.70	EDGE OF PAVEMENT
PT-534	1664978.79	2682149.84	7139.87	EDGE OF PAVEMENT
PT-535	1664972.67	2682129.96	7139.98	EDGE OF PAVEMENT
PT-536	1664967.65	2682141.46	7140.06	EDGE OF PAVEMENT

NORTH SPLITTER ISLAND - POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
PT-537	1665106.09	2682116.69	7137.36	FLOWLINE
PT-538	1665106.80	2682114.37	7137.39	FLOWLINE
PT-539	1665107.51	2682112.05	7137.36	FLOWLINE
PT-540	1665095.73	2682116.33	7137.68	FLOWLINE
PT-541	1665097.07	2682111.98	7137.72	FLOWLINE
PT-542	1665098.41	2682107.64	7137.60	FLOWLINE
PT-543	1665106.88	2682116.94	7137.84	TOP BACK OF CURB
PT-544	1665108.31	2682112.30	7137.85	TOP BACK OF CURB
PT-545	1665094.94	2682116.08	7138.12	TOP BACK OF CURB
PT-546	1665097.61	2682107.39	7138.06	TOP BACK OF CURB
PT-547	1665106.43	2682115.55	7137.37	DETECTABLE WARNING
PT-548	1665107.06	2682113.52	7137.38	DETECTABLE WARNING
PT-549	1665096.11	2682115.09	7137.69	DETECTABLE WARNING
PT-550	1665098.05	2682108.79	7137.64	DETECTABLE WARNING
PT-551	1665106.87	2682118.98	7137.25	EDGE OF PAVEMENT
PT-552	1665109.20	2682110.49	7137.26	EDGE OF PAVEMENT
PT-553	1665094.57	2682118.04	7137.54	EDGE OF PAVEMENT
PT-554	1665098.42	2682105.59	7137.48	EDGE OF PAVEMENT

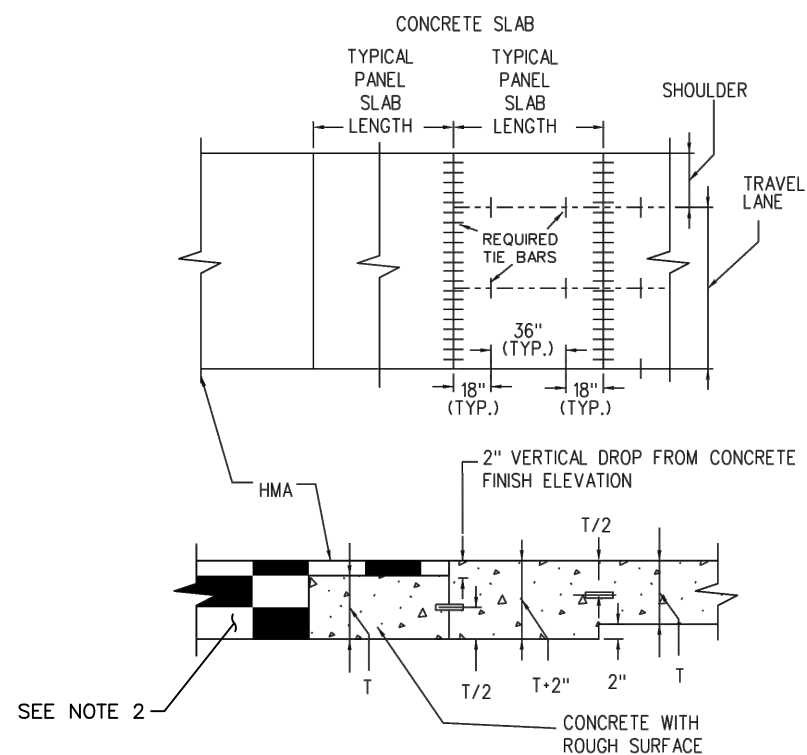
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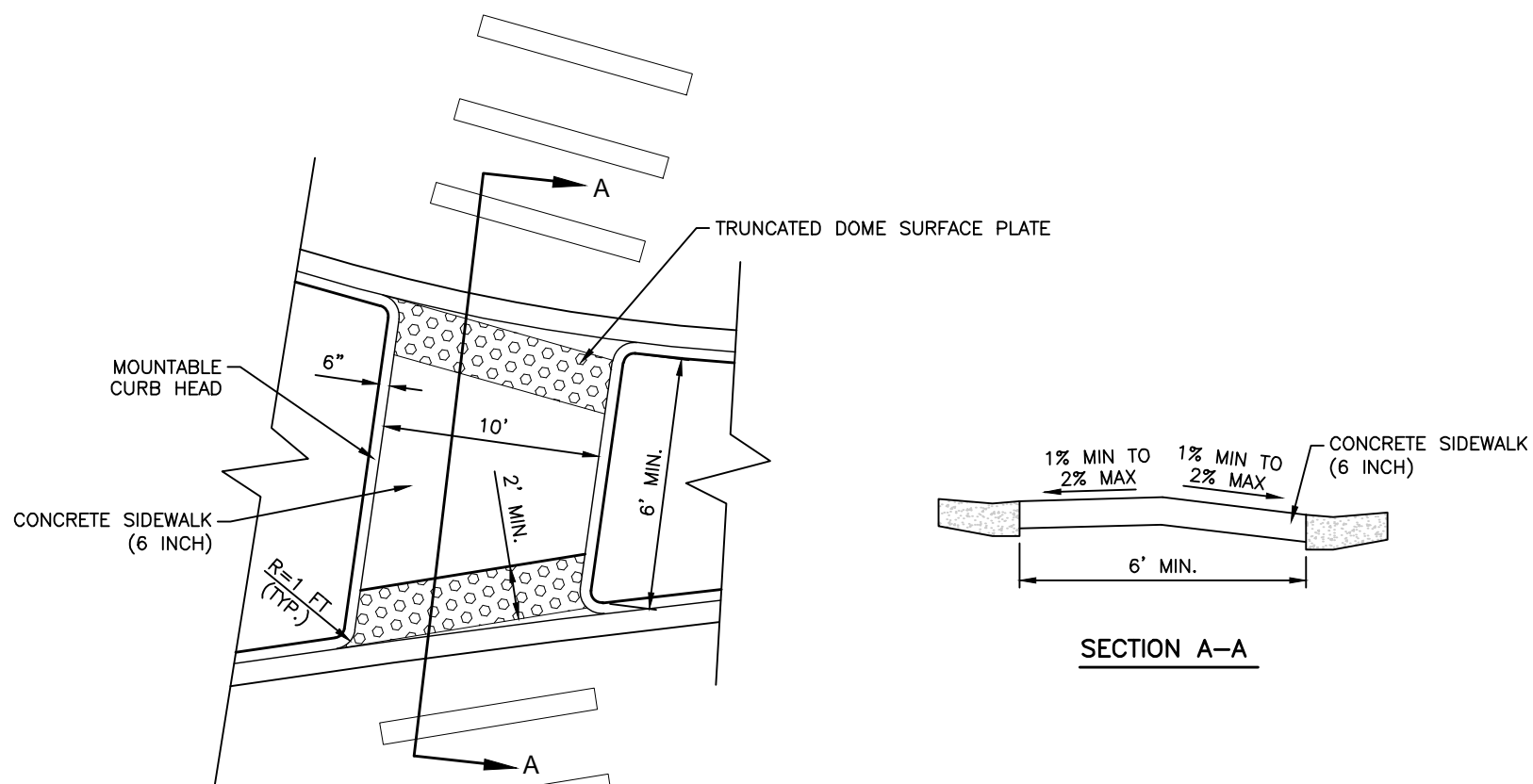


1 CURB AND GUTTER TYPE 2 (SECTION I-M) (SPECIAL)
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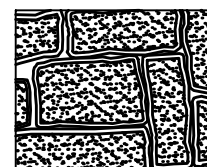
AC
ASPHALT TO CONCRETE
TRANSITION
NOT TO SCALE

- NOTES**
1. CONCRETE FOR CURB AND GUTTER SHALL BE CLASS B.
 2. THE TRANSITION AREA OF ASPHALT TO CONCRETE IS INCLUDED IN THE WORK OF THE ASPHALT PAY ITEM AND NOT TO BE PAID FOR SEPARATELY.

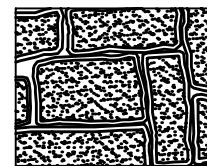


2 CURB RAMP MID-RISE AT SPLITTER ISLANDS
NOT TO SCALE

PATTERNED CONCRETE DETAILS



MEDIAN COVER MATERIAL (6 INCH PATTERNED CONCRETE)
(MATCRETE RANDOM COBBLESTONE PATTERN, SAN DIEGO BUFF #5237 COLORED)



TRUCK APRON - CONCRETE PAVEMENT (8 INCH) (SPECIAL)
(MATCRETE RANDOM COBBLESTONE PATTERN, SAN DIEGO BUFF #5237 COLORED)

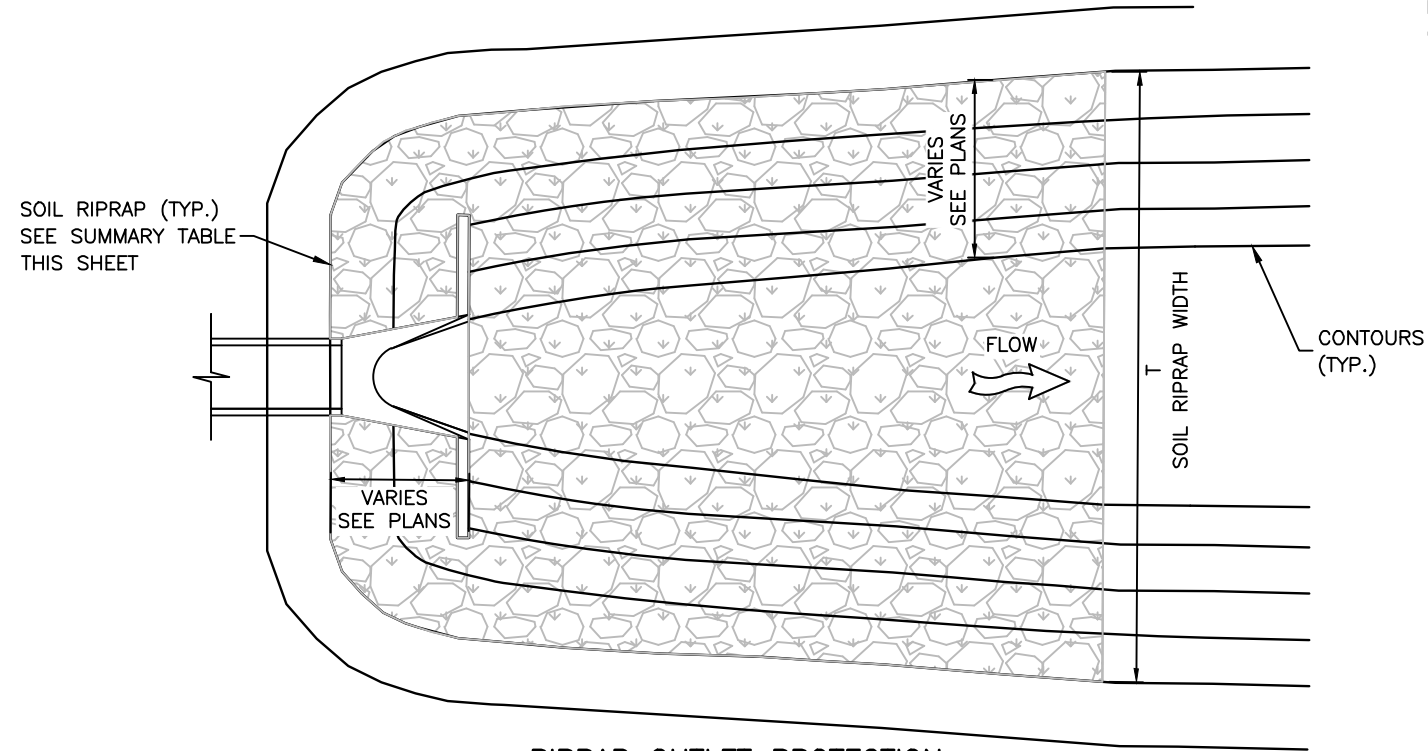


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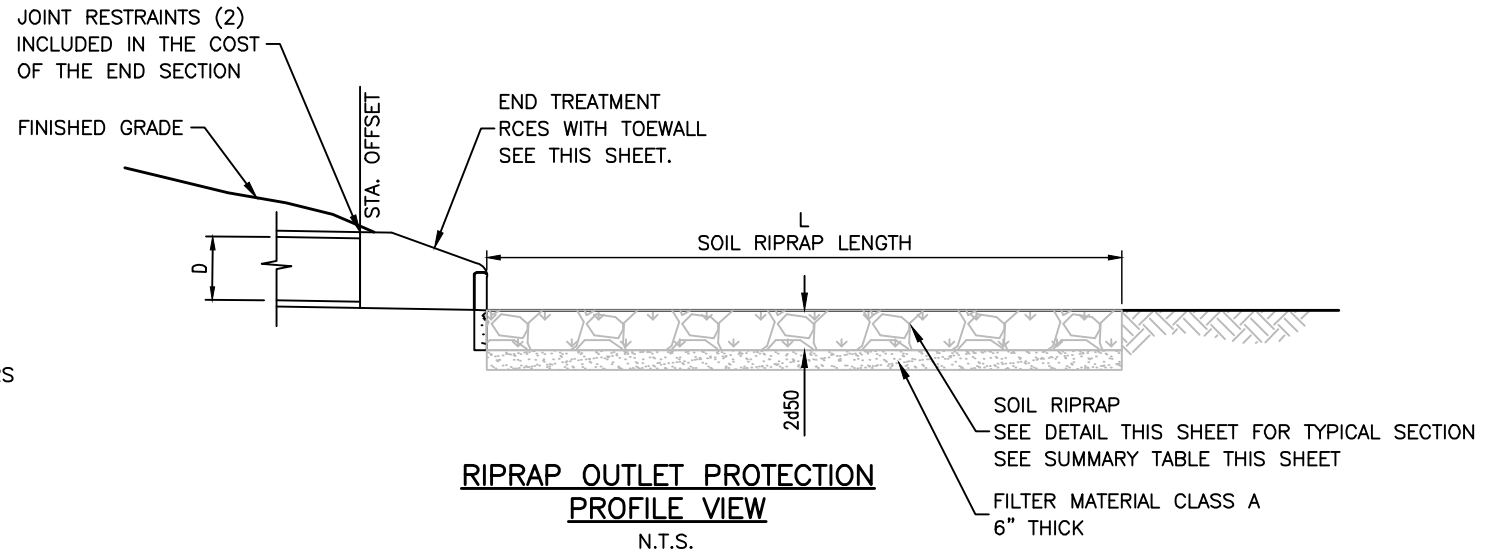


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AS CONSTRUCTED	US 6 & HILLCREST ROUNDABOUT ROADWAY DETAILS			PROJECT NO./CODE
	NO. REVISIONS:			118339-01
	REVISED:	Designer: CJK	STRUCTURE NUMBERS	
VOID:	Detailer: CJK	Sheet Subset: ROADWAY	DET-11 OF 11	46



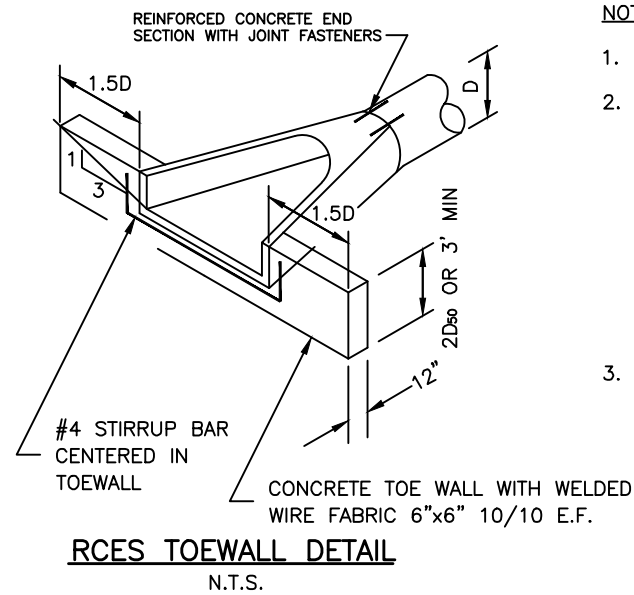
**RIPRAP OUTLET PROTECTION
PLAN VIEW**
N.T.S.



**RIPRAP OUTLET PROTECTION
PROFILE VIEW**
N.T.S.

ID	DIMENSIONS				QUANTITIES	
	D (IN)	T (FT)	L (FT)	d50 (IN)	SOIL RIPRAP (CY)	FILTER MATERIAL CLASS A (CY)
LINE A	36	5	9	9	3	2
LINE C	24	3	6	9	1	1

RIPRAP OUTLET PROTECTION SUMMARY TABLE



RCES TOEWALL DETAIL
N.T.S.

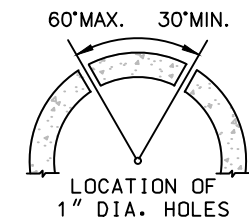
NOTES:

1. CONCRETE SHALL BE CONCRETE CLASS D (DRAINAGE).
2. EACH REINFORCED CONCRETE END SECTION SHALL BE CONNECTED TO THE REINFORCED CONCRETE PIPE WITH CONCRETE PIPE JOINT FASTENERS (2-EACH). CONCRETE PIPE JOINT FASTENERS SHALL BE INCLUDED IN THE COST OF THE REINFORCED CONCRETE END SECTION.

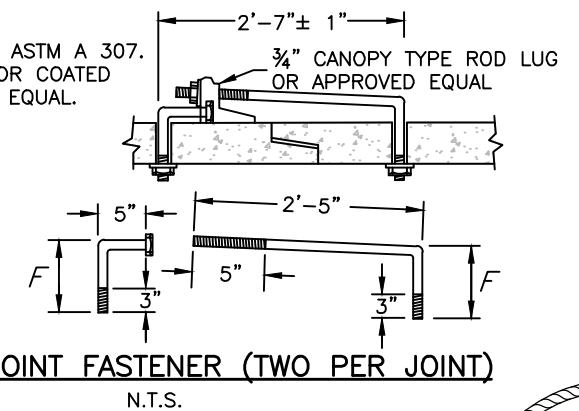
ALL CONCRETE, REINFORCING, CONNECTIONS, STRUCTURE EXCAVATION, AND EXTRA WORK REQUIRED TO CONSTRUCT THE CONCRETE TOE WALL SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF REINFORCED CONCRETE END SECTION.
3. CLEAR COVER FOR ALL REINFORCEMENT TO BE 2 IN.

2" GALVANIZED ANCHOR BOLTS, NUTS AND WASHERS, MILD STEEL, ASTM A 307. ROD LUG SHALL BE GALVANIZED OR COATED WITH EPOXY PAINT OR APPROVED EQUAL.

PIPE DIAMETER	F
IN.	
18 - 30	5
36 - 42	6
48 - 60	7
72 - 84	9



LOCATION OF 1" DIA. HOLES



CONCRETE JOINT FASTENER (TWO PER JOINT)
N.T.S.



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 Designer: KMG
 Detailer: KLT
 Sheet Subset: DRAINAGE
 STRUCTURE NUMBERS
 DET-01 of 2

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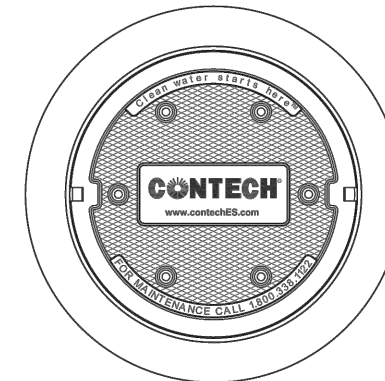
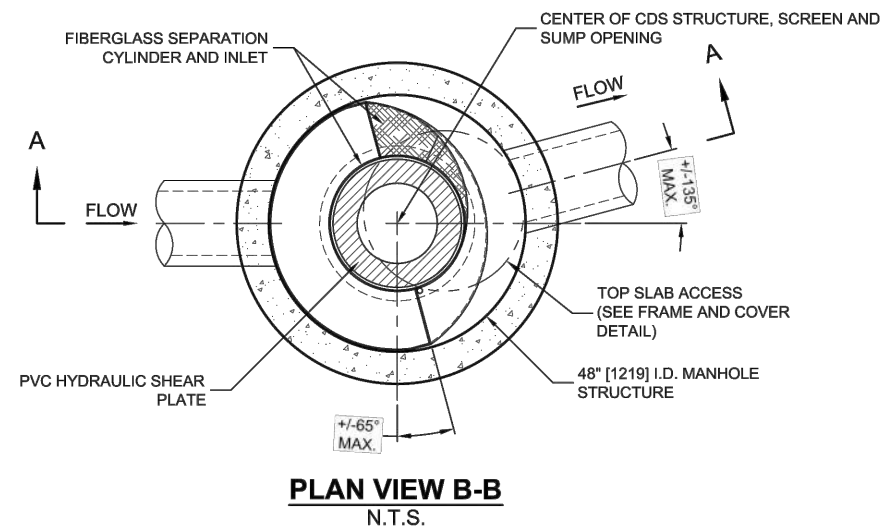
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CDS2015-4-C DESIGN NOTES

THE STANDARD CDS2015-4-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

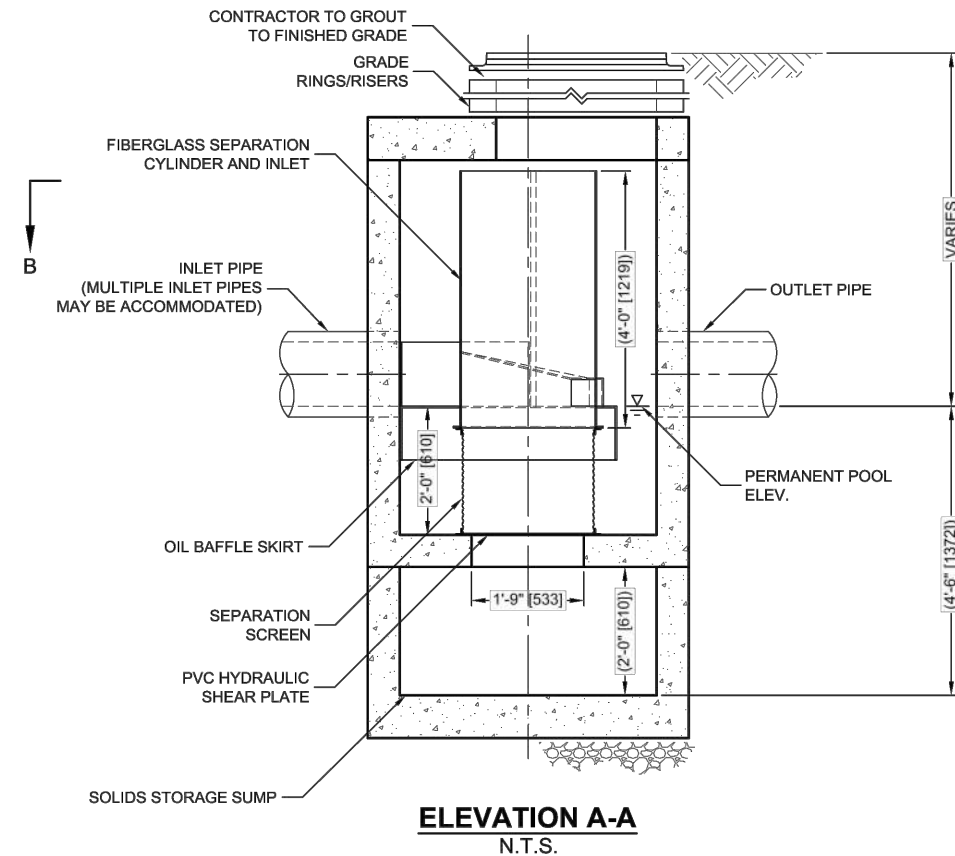
CONFIGURATION DESCRIPTION

- GRATED INLET ONLY (NO INLET PIPE)
- GRATED INLET WITH INLET PIPE OR PIPES
- CURB INLET ONLY (NO INLET PIPE)
- CURB INLET WITH INLET PIPE OR PIPES
- SEPARATE OIL BAFFLE (SINGLE INLET PIPE REQUIRED FOR THIS CONFIGURATION)
- SEDIMENT WEIR FOR NJDEP / NJCAT CONFORMING UNITS



SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	C10		
WATER QUALITY FLOW RATE (CFS OR L/s)	1.6*		
PEAK FLOW RATE (CFS OR L/s)	4.8*		
RETURN PERIOD OF PEAK FLOW (YRS)	100*		
SCREEN APERTURE (2400 OR 4700)	*		
PIPE DATA:	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	C15*	RCP*	24"*
INLET PIPE 2	*	*	*
OUTLET PIPE	C05*	RCP*	24"*
RIM ELEVATION	*		
ANTI-FLOTATION BALLAST	WIDTH	HEIGHT	
	*	*	
NOTES/SPECIAL REQUIREMENTS: REFER TO PIPE PROFILES FOR PIPE INVERT ELEVATIONS * PER ENGINEER OF RECORD			



GENERAL NOTES

1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH () ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com
4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
5. STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET HS20 (AASHTO M 306) LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
6. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.

INSTALLATION NOTES

- A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
- C. CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
- D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
- E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.



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US 6 & HILLCREST ROUNDABOUT DRAINAGE DETAIL
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 Detailer: KMG
 Sheet Subset: DRAINAGE
 STRUCTURE NUMBERS
 DET-02 of 2

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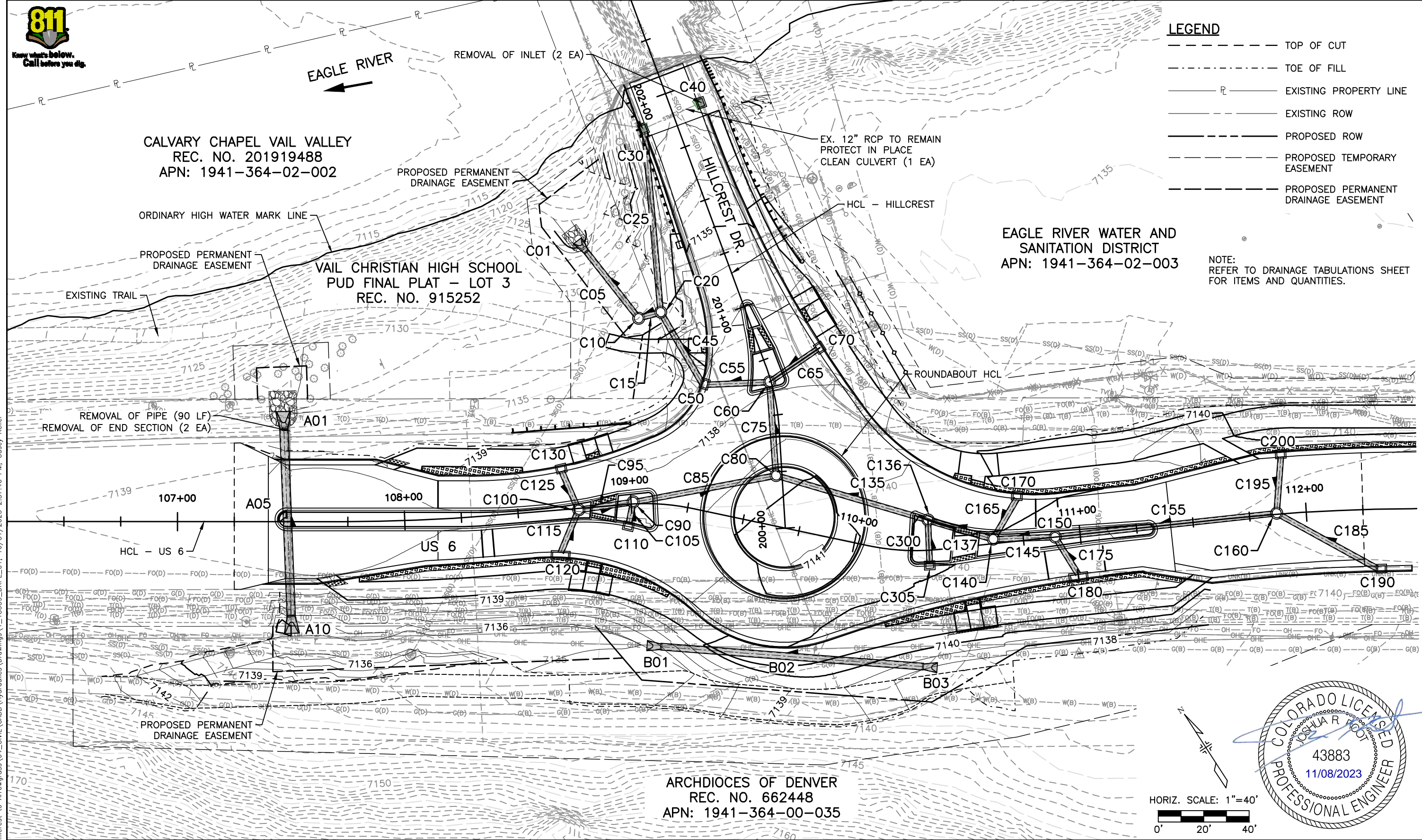
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LEGEND

- TOP OF CUT
- TOE OF FILL
- R — EXISTING PROPERTY LINE
- EXISTING ROW
- PROPOSED ROW
- - - PROPOSED TEMPORARY EASEMENT
- - - PROPOSED PERMANENT DRAINAGE EASEMENT

NOTE:
REFER TO DRAINAGE TABULATIONS SHEET
FOR ITEMS AND QUANTITIES.



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US 6 & HILLCREST ROUNDABOUT DRAINAGE PLAN

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Detailer:	SV		
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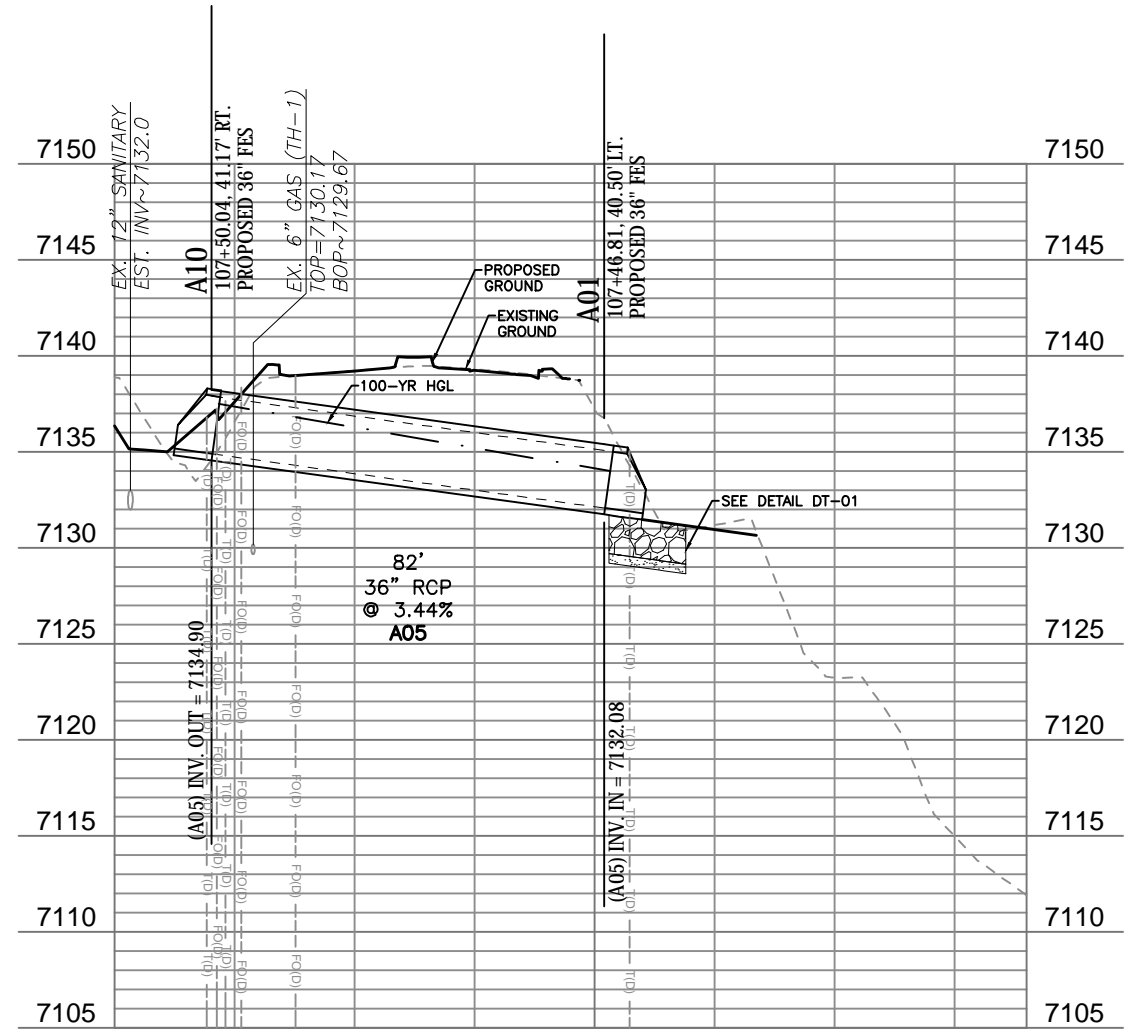
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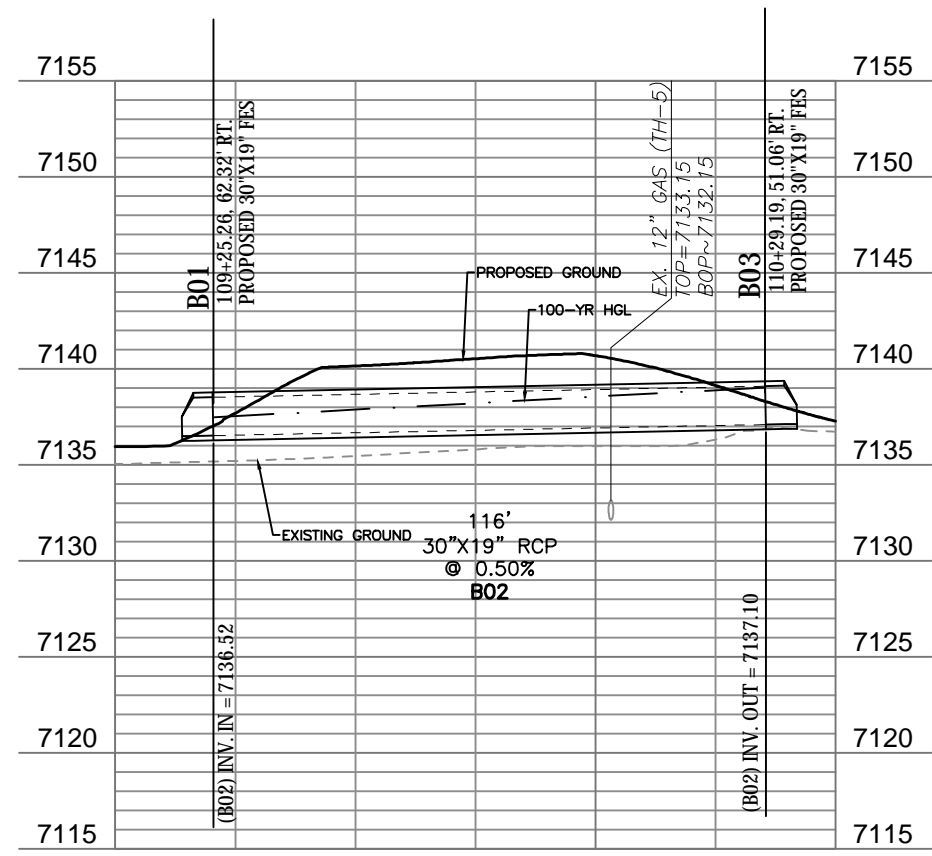


Know what's below.
Call before you dig.

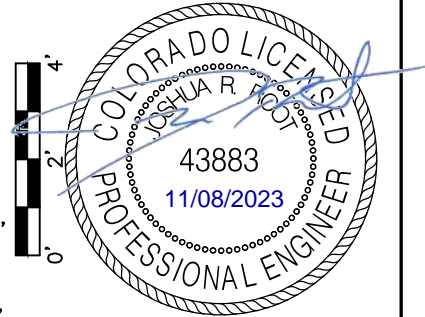
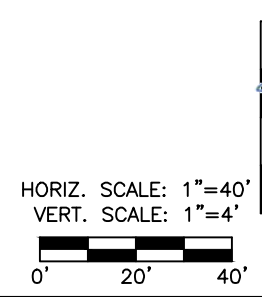
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LINE A



LINE B



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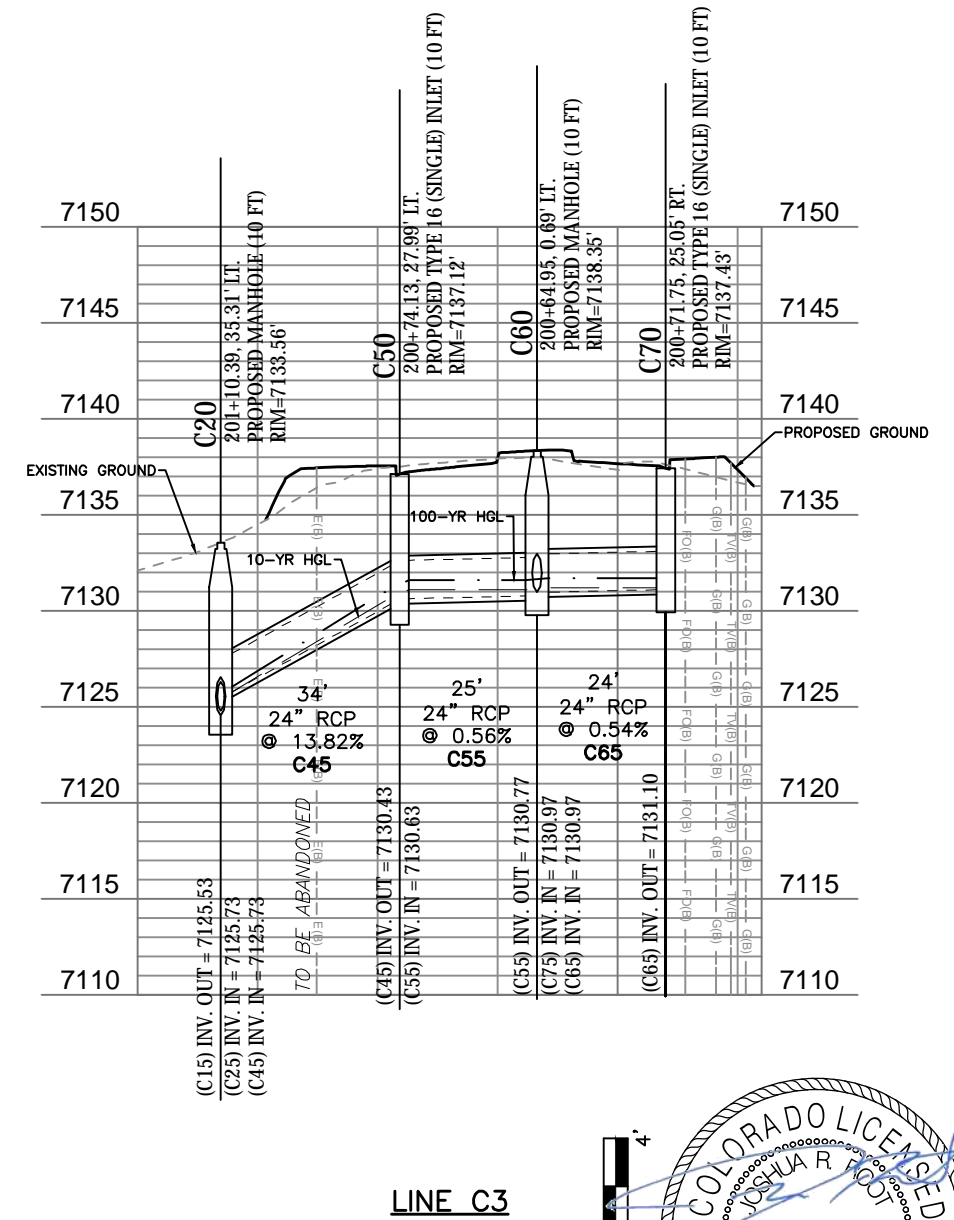
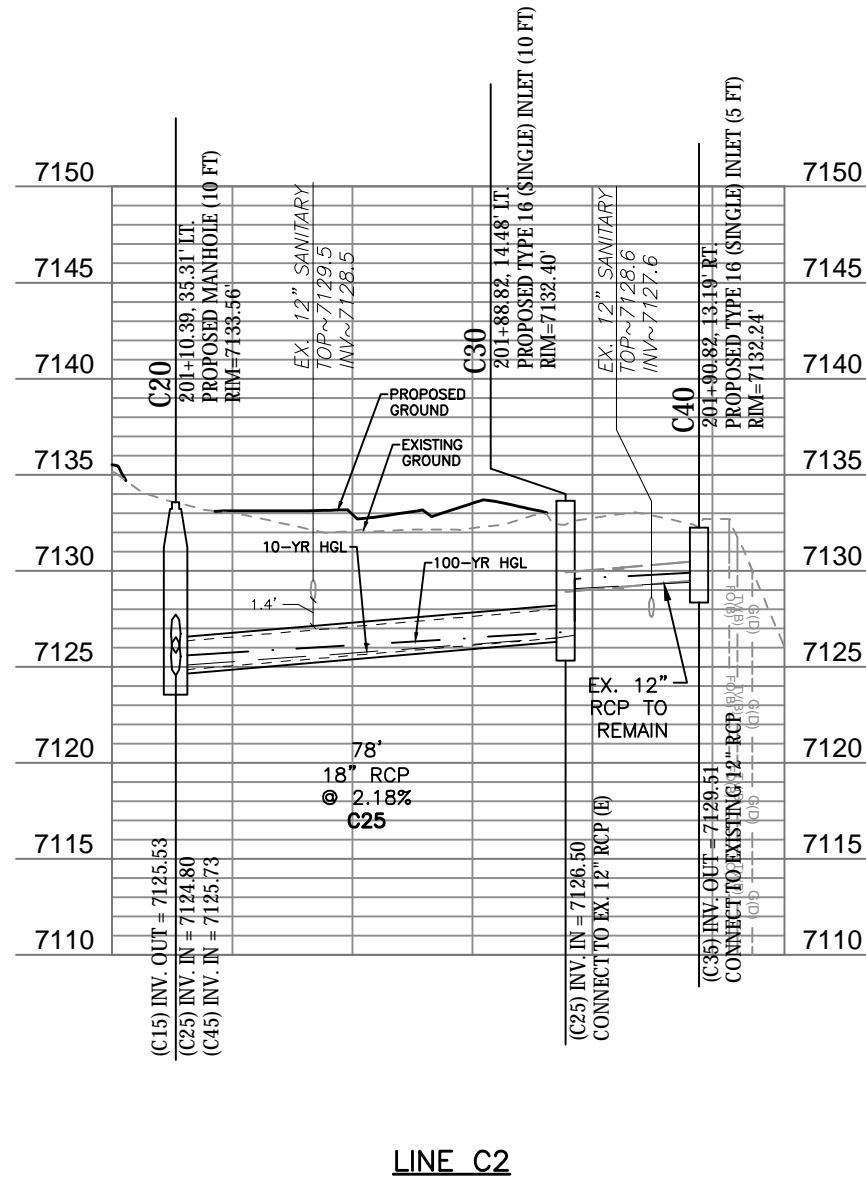
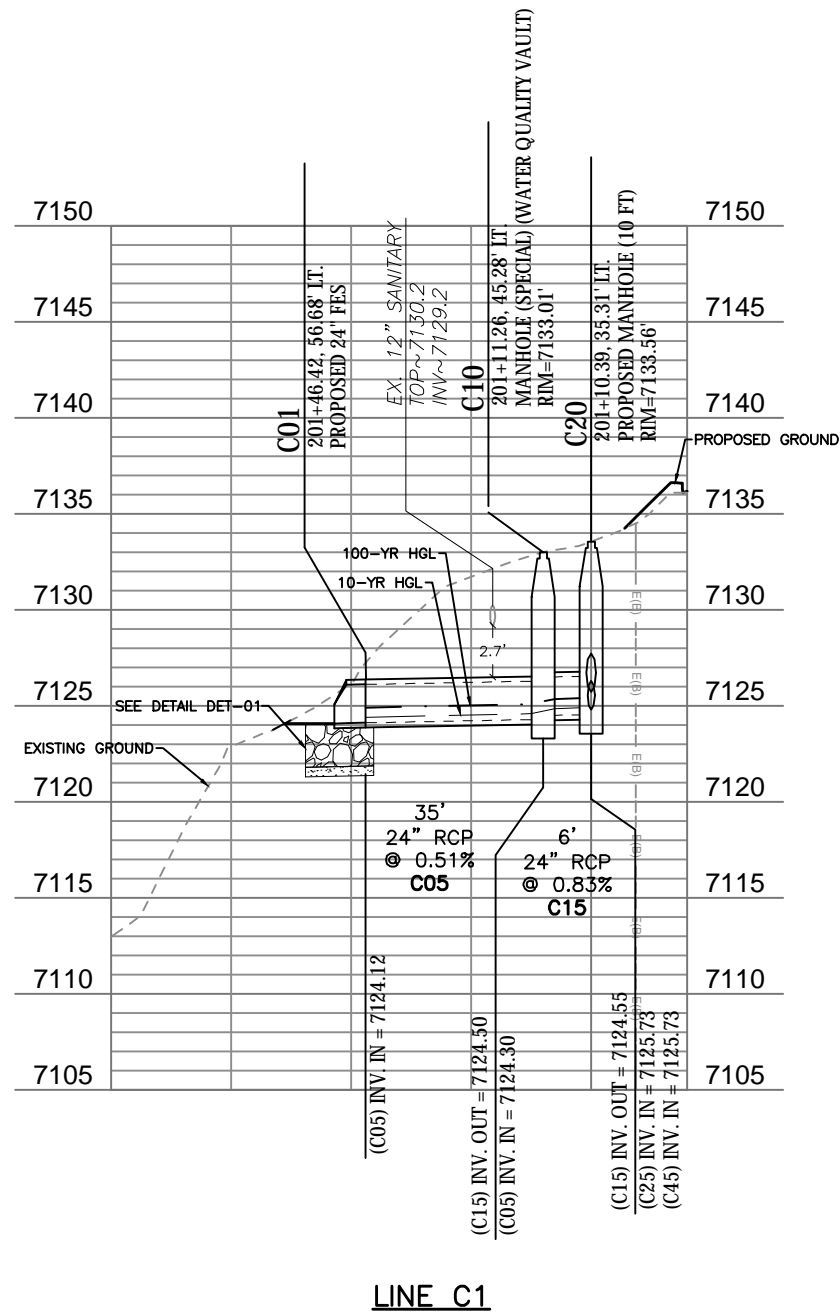
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US 6 & HILLCREST ROUNDABOUT DRAINAGE PROFILES LINE A AND B	
Designer: KMG	STRUCTURE NUMBERS
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VERT. SCALE: 1" = 4'

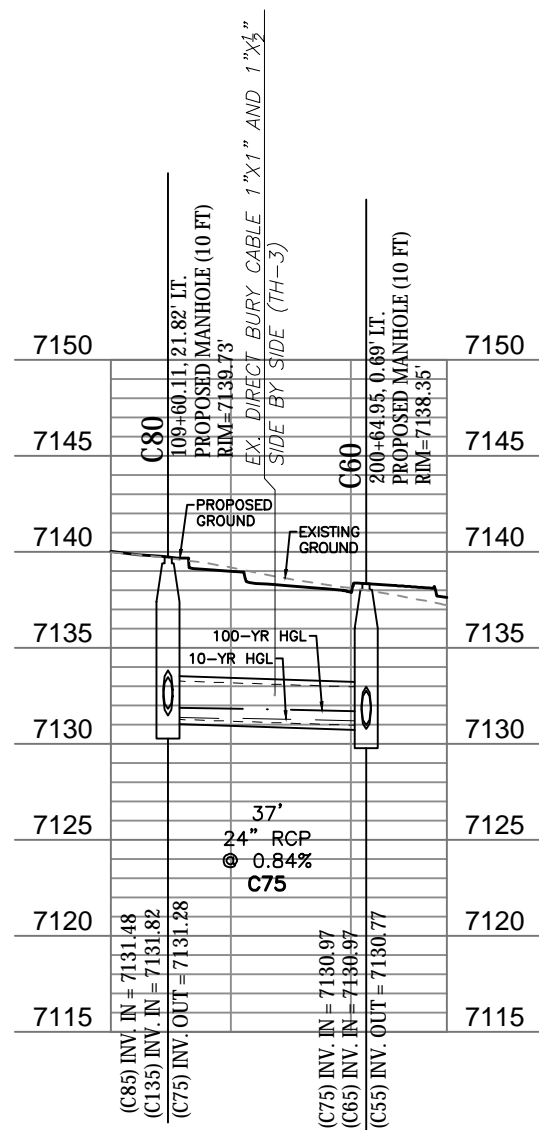
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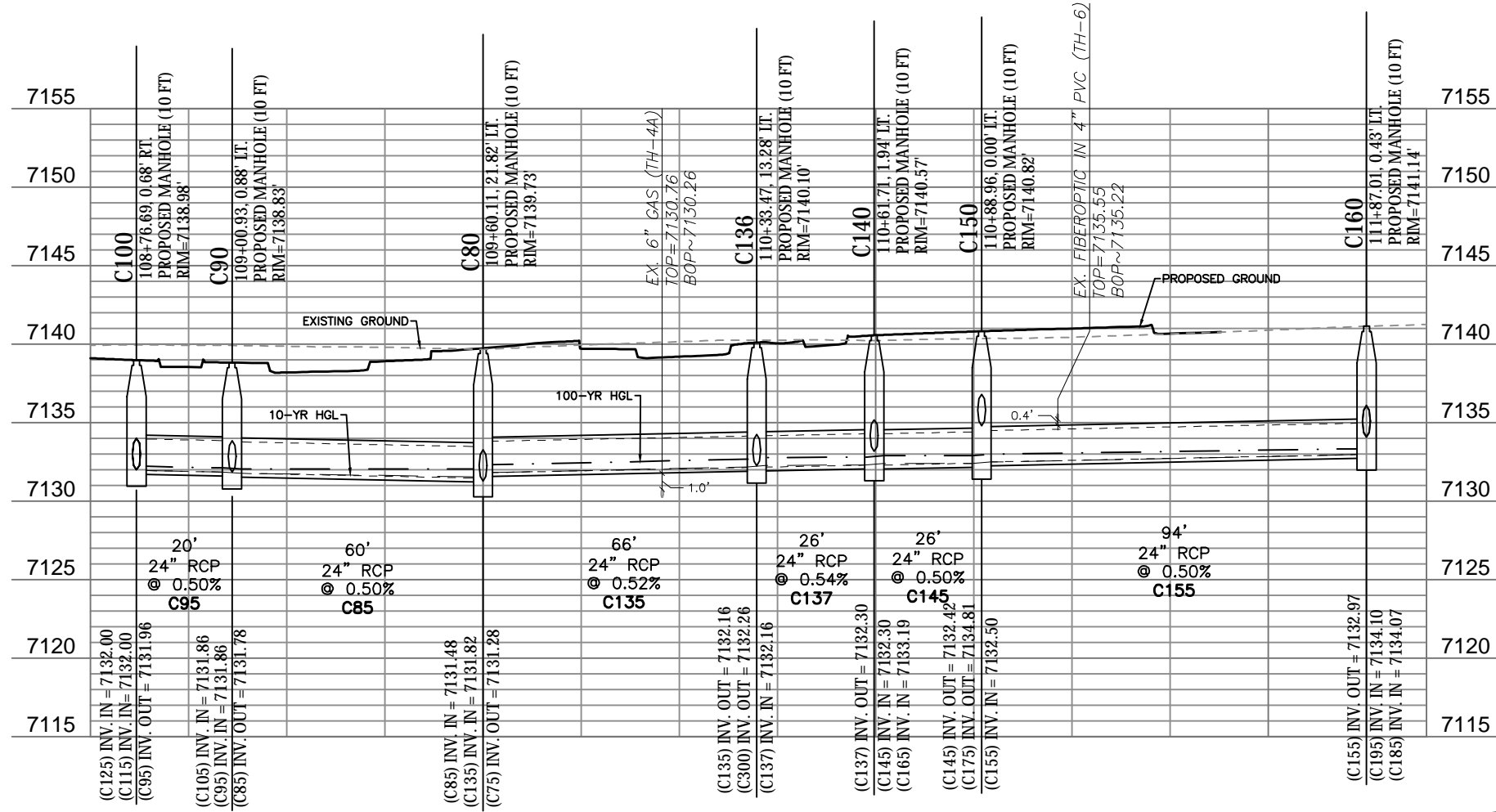


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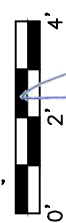
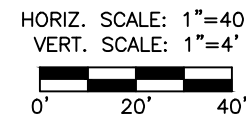
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LINE C4



LINE C5



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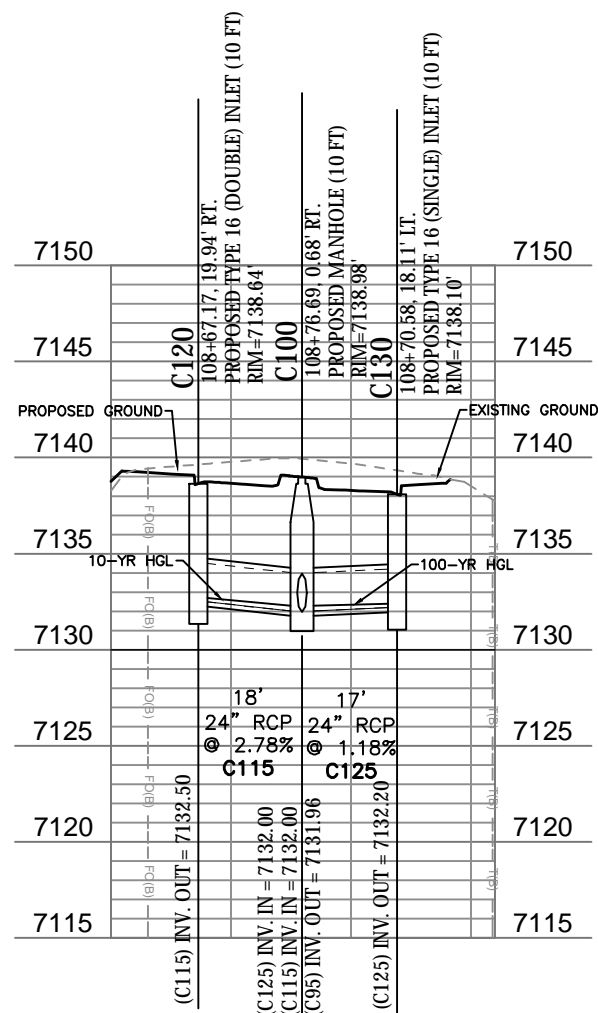
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US 6 & HILLCREST ROUNDABOUT DRAINAGE PROFILES LINE C4 AND C5	
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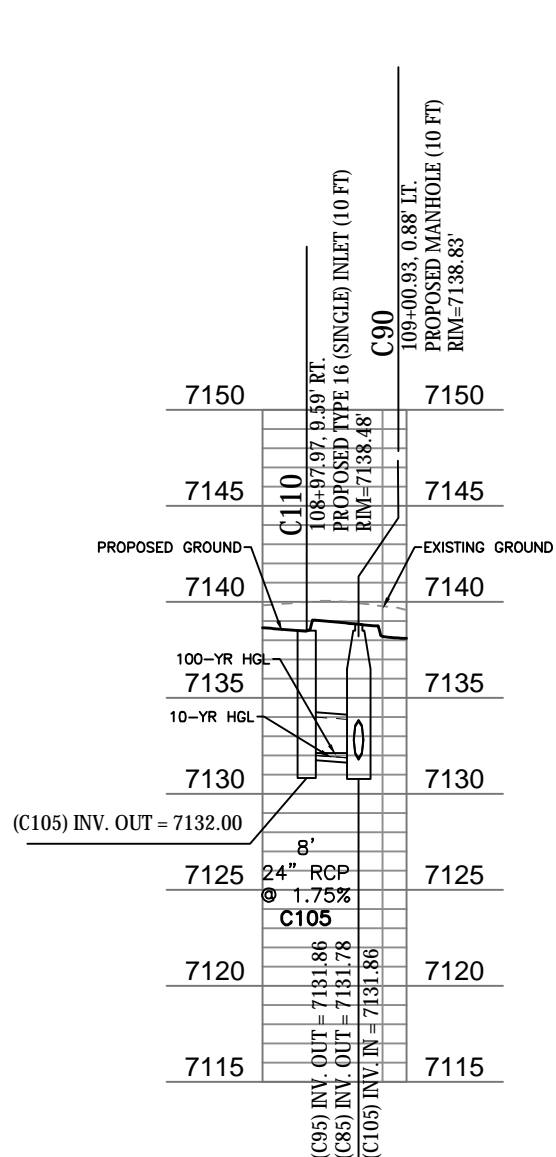
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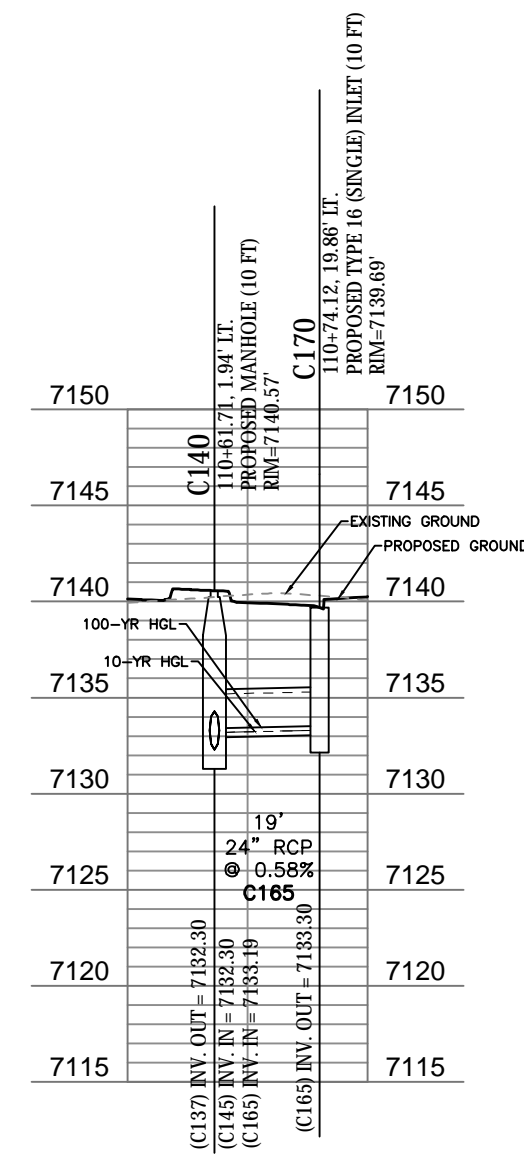
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LINE C6

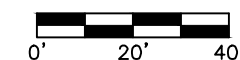


LINE C7



LINE C8


HORIZ. SCALE: 1"=40'
VERT. SCALE: 1"=4'



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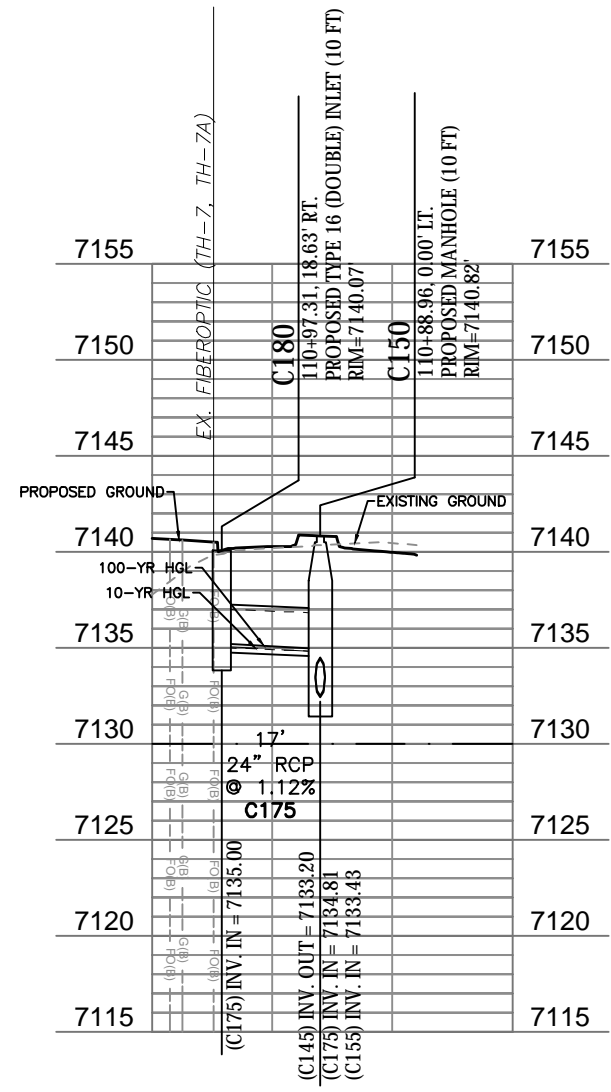
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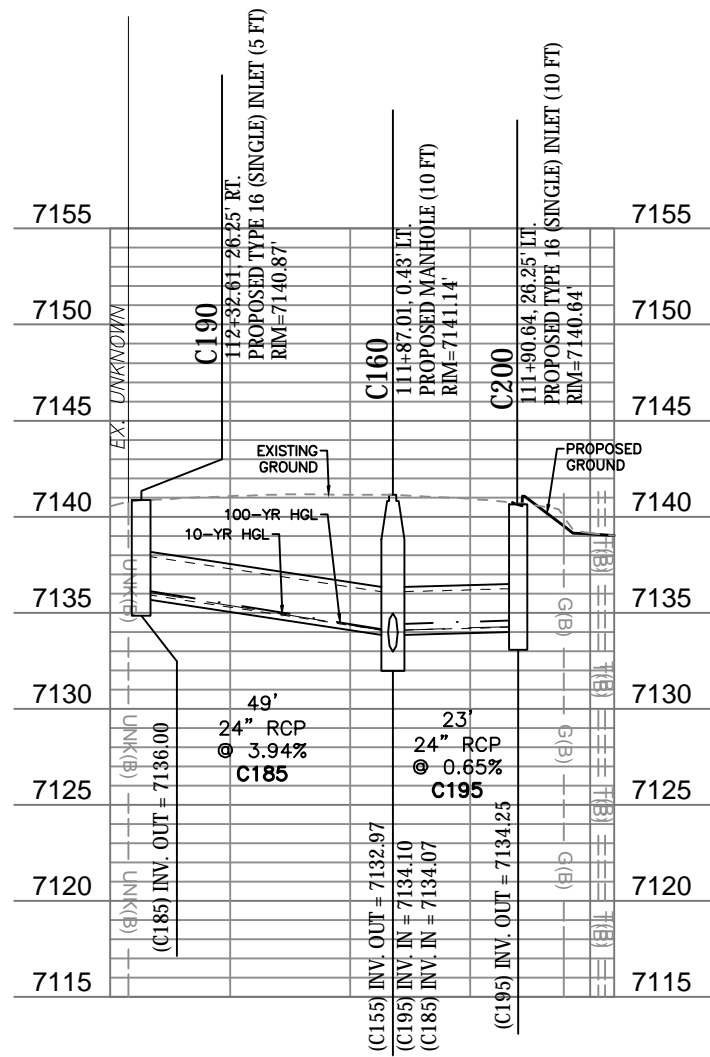


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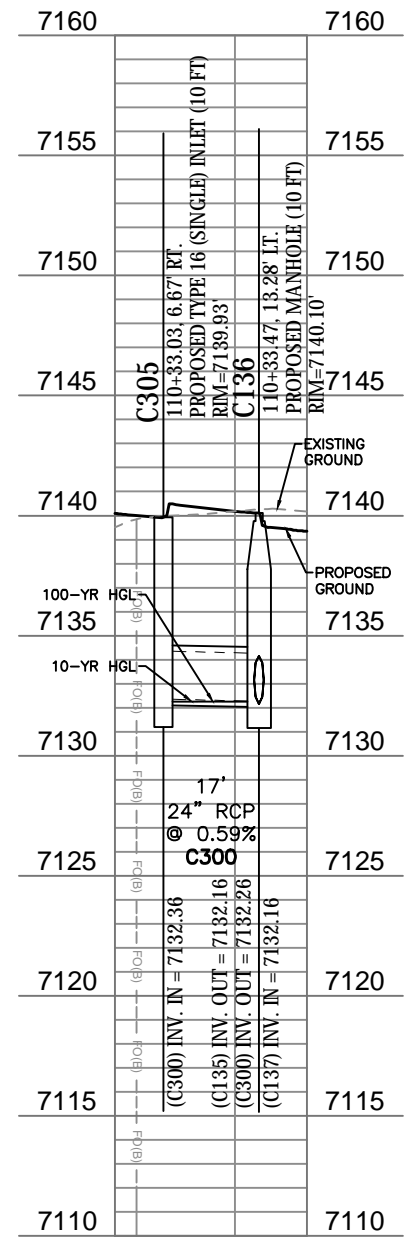
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LINE C9



LINE C10



LINE C11



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118339-01
55

SWMP TEMPLATE (PLAN SHEETS) FOR PROJECTS WITH 1 ACRE OR MORE OF DISTURBANCE 2/25/2022 UPDATE

1. SITE DESCRIPTION

The Contractor shall comply with all CDOT contractual requirements, and all requirements associated with the CDPS-SCP on this project. The SWMP Administrator for Construction shall update the SWMP to reflect current project site conditions.

A. PROJECT SITE LOCATION:

Location or address of construction office: The project is located at the intersection of US Highway 6 and Hillcrest Drive. Construction extends approximately 400 feet of US 6 on either side of Hillcrest Dr.

B. PROJECT SITE DESCRIPTION:

The project consists of the construction of a roundabout at the intersection of US Highway 6 and Hillcrest Drive. Construction includes the paving of US 6 and Hillcrest Drive. Further surface disturbances will result from the associated existing infrastructure removals and utility relocations, the installation of drainage structures including a permanent water quality vault. Signing and striping will be installed in the roundabout. Signage will be updated to accommodate new travel routes.

C. PROPOSED SCHEDULE FOR SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES:

Stabilize all areas that are not paved through establishment of vegetation cover. The project area will be cleared and grubbed, followed by grading activities, utility removals and relocations, storm sewer installation, and paving operations. Seeding with final stabilization activities will happen after paving. Perimeter control protection will be placed before clearing and grubbing occurs.

D. ACRES OF DISTURBANCE:

1. Total area of construction site (LOC (PERMITTED AREA)): 2.61 acres
2. Total area of proposed disturbance (LDA): 2.39 acres
3. Total area of seeding: 0.90 acres
4. Total area of pre-project impervious surface: 1.25 acres
5. Total area of final impervious surface: 1.51 acres

E. EXISTING SOIL DATA:

The larger percentage of soil in the project area is of Group B, "Yamo loam, 6 to 12 percent slopes." Soils in soil group B have a moderate runoff potential and infiltration rate. Data Source(s): United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, Custom Soil Resource Report for Eagle County.

F. EXISTING VEGETATION, INCLUDING PERCENT OF VEGETATIVE COVER:

During design, the SWMP Administrator for Design in consultation with the Engineer will determine if the SWMP Administrator for Design or the SWMP Administrator for Construction will conduct the Vegetation Transects. If the site is disturbed, an Adequate Reference Site(s) may be utilized, refer to the permit. Vegetation transect instruction is located on CDOT Landscape Architecture website. <https://www.codot.gov/programs/environmental/landscape-architecture/swmp/vegetative-transect-procedure.pdf> SWMP Administrator for Construction is to conduct a survey including general description of existing vegetation prior to any ground disturbance on the project. The SWMP Administrator shall photo-document existing vegetation where all work will be occurring. The SWMP Administrator shall perform the vegetation survey transect(s) and include photo documentation.

Pre-Construction Date of survey: _____ Percent Existing Vegetative Cover: _____

Description of existing vegetation: _____

Method for determining percent vegetative cover: Recommend using CDOT Vegetative Transect Procedures. If not used, provide a copy of methodology and have SWMP Reviewer pre-approve. Include a map or table showing transect locations, photos documenting pre-Construction vegetative cover and methodology used to determine existing vegetative cover to SWMP tab 17: Transect form is located on CDOT Landscape Architecture website. <https://www.codot.gov/programs/environmental/landscape-architecture>

Post-Construction Date of survey: _____ Percent Vegetative Cover: _____

Description of vegetation:

The method used to determine pre-construction percent cover shall be used to determine post construction percent cover. Include map or table showing transect locations, photos documenting post-Construction vegetative cover, and methodology used to determine existing vegetative cover to SWMP tab 17: <https://www.codot.gov/programs/environmental/landscape-architecture>

G. POTENTIAL POLLUTANTS SOURCES:

Refer to Potential Pollutant Sources in SWMP Section 4A. The SWMP Administrator for Construction shall prepare a list of all potential pollutants and their locations in accordance with subsection 107.25.

H. DRAINAGE PATTERNS AND RECEIVING WATER(S):

1. Description of drainage patterns from the Site: At the western side of the US 6 and Hillcrest Intersection, there is a 24" cross culvert that will be replaced with a 36" cross culvert that drains offsite flows from the south to the Eagle River. A proposed storm sewer system will drain the new roundabout with Type 16 inlets and 24" RCP to a water quality vault that will discharge to the Eagle River at the northwest corner of the US 6 and Hillcrest intersection. This new storm sewer system will collect runoff from the project area on both US 6 and Hillcrest Drive.
2. Names of immediate and ultimate receiving water(s) on site: Eagle River.
3. Description of all stream crossings located within the Construction Site Boundary: The Eagle River Crosses flows from east to west just north of the construction site boundary.

Location	Stream Name	Description Of Any Disturbed Upland Areas
Directly west of length of project	Eagle River	Roadway construction, utility relocations, drainage installation.

I. ALLOWABLE NON-STORMWATER DISCHARGES:

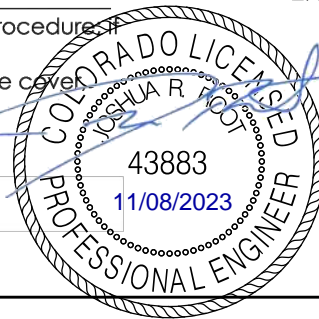
Identify the locations of any anticipated sources of allowable non-stormwater components of the discharge, including those under a separate permit or a Division low risk discharge guidance policy, such as uncontaminated springs and landscape irrigation return flow. SWMP Administrator for Construction shall provide a method statement of how discharge will be handled and applicable control measures installed. See SWMP Sections 11 and 13B in the SWMP.

Discharge Description	Site Map #	Method Statement (Location)
Uncontaminated Springs		
Concrete Washout Water (in-ground washout structure)#		
Landscape Irrigation Return Flows		
Discharges from Diversions of State Waters		
Emergency Fire Fighting		



#Concrete washout water associated with the washing of concrete tools and concrete mixer chutes can be discharged to the ground if site is managed accordingly to prevent the water from leaving the site as surface runoff or reaching receiving waters.

J. DIVERSION CRITERIA:

1. Is a diversion planned for the Site? Yes ___ No ___
2. If yes, complete information below:
 - a. What is the 2-year peak flow for the waterway being diverted (cubic feet per second)?
 - b. What are the monthly averages if available? (provide averages for Jan- Dec if available)
 - c. What is the upstream contributing drainage area and imperviousness?
 - d. A method statement must be prepared by the Contractor and approved by CDOT for each diversion. Diversion structures must minimize soil transport and erosion within the entire diversion, minimize erosion during discharge, and minimize run-on into the diversion and meet the conditions in the SCP.



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FILE NAME: 118339-01SWMP.DWG				NO. REVISIONS:	STORMWATER MANAGEMENT PLAN			118339-01
Horizontal Scale: X Vertical Scale: X	AD PLAN SET		6400 S. Fiddlers Green Circle, Suite 1500 Greenwood Village, CO 80111 Phone: 303.721.1440 www.FHUENG.com	REVISED:	Designer: KLT	STRUCTURE	SWMP	SW-01 of 8
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e. If the conditions in the SCP cannot be met and an alternative is required, CDOT must approve the alternative and then it must be submitted and approved by CDPHE's Water Quality Control Division prior to implementation.

K. ALTERNATIVE TEMPORARY STABILIZATION SCHEDULE:

If applicable, provide a description of the alternative temporary stabilization schedule. If temporary stabilization exceeds the 14-day schedule, then the SWMP must document the constraints necessitating the alternative schedule, provide the alternative schedule, and identify all the locations where the alternative schedule is applicable on the site map. Alternative temporary stabilization schedules must be approved by CDOT prior to implementation.

2. SITE MAP COMPONENTS:

Pre-construction

A. PROJECT CONSTRUCTION POTENTIAL SITE BOUNDARIES:

See SWMP Site Maps

B. FLOW ARROWS THAT DEPICT STORMWATER FLOW DIRECTIONS ON-SITE, RUN-ON AND RUNOFF DIRECTION:

See SWMP Site Maps

C. ALL AREAS OF GROUND SURFACE DISTURBANCE:

See SWMP Site Maps

D. AREAS OF CUT AND FILL:

See SWMP Site Maps

E. AREAS USED FOR STORING AND STOCKPILING OF MATERIALS, STAGING AREAS (field trailer, fueling, etc.) and LOCATIONS OF ALL WASTE ACCUMULATION and BATCH PLANTS INCLUDING MASONRY MIXING STATIONS:

See SWMP Site Maps

F. LOCATION OF ALL STRUCTURAL CONTROL MEASURES IDENTIFIED IN THE SWMP:

See SWMP Site Maps

G. LOCATION OF NON-STRUCTURAL CONTROL MEASURES AS APPLICABLE IN THE SWMP:

See SWMP Site Maps

H. SPRINGS, STREAMS, WETLANDS, DIVERSIONS, AND OTHER STATE WATERS, INCLUDING AREAS THAT REQUIRE PRE-EXISTING VEGETATION BE MAINTAINED WITHIN 50 FEET OF A RECEIVING WATER:

See SWMP Site Maps

I. LOCATIONS OF ALL STREAM CROSSING LOCATED WITHIN THE CONSTRUCTION SITE BOUNDARY:

See SWMP Site Maps

J. PROTECTION OF TREES, SHRUBS, SENSITIVE HABITAT, AND CULTURAL RESOURCES:

See SWMP Site Maps

K. LOCATIONS WHERE ALTERNATIVE TEMPORARY STABILIZATION SCHEDULES APPLY:

See SWMP Site Maps

3. QUALIFIED STORMWATER MANAGERS:

A. SWMP ADMINISTRATOR FOR DESIGN:

CDOT Certified Individual responsible for developing SWMP Plan Sheets and SWMP Site Maps during the design phase.
<https://www.codot.gov/programs/environmental/landscape-architecture/207-and-212-ppp-required-swmp-development-tools-1>

Name/Title	Contact Information	Certification #
Kelly Turner; Designer IV	(303)721-1440; kelly.turner@fhueng.com	824827FB

B. SWMP ADMINISTRATOR FOR CONSTRUCTION: (As defined in Section 208) The Contractor shall designate a SWMP Administrator for Construction upon accepting co-permittee of the permit. The SWMP Administrator for Construction shall become the operator for the SWMP and assume responsibility for all design changes to the SWMP implementation and maintenance in accordance to 208.03, the SWMP shall remain the property of CDOT. The SWMP Administrator for Construction shall be responsible for implementing, maintaining and revising SWMP, including the title and contact information. The activities and responsibilities of the SWMP Administrator for Construction shall address all aspects of the project's SWMP. (Update the information below for each new SWMP Administrator for Construction) (A copy of TECS Certification must be included in the SWMP.)

Name/Title	Contact Information (phone & email)	Certification #	Start Date	Engineer Approval

C. EROSION CONTROL INSPECTOR: (As defined in Section 208) The Contractor may designate an Erosion Control Inspector. The Erosion Control Inspector shall complete duties in accordance with subsection 208.03 (c) (Copy of TECS Certification must also be included in the SWMP.)

Name/Title	Contact Information (phone & email)	TECS Certification #	Start Date	Engineer Approval

D. PERMANENT STABILIZATION SUBJECT MATTER EXPERT: This qualified individual will be either a Regional Environmental Staff member, or an Independent Contractor Controller (Independent Assurance Program). This expert is a project team leader responsible for ensuring project adherence to requirements of the 207 and 212 Project Special Provisions as follows and will be available for questions regarding permanent stabilization requirements.

https://www.codot.gov/programs/environmental/landscape-architecture/assets/inspection-and-verification-checklist-for-roadside-revegetation_-111621_v3.pdf

1. Review the Topsoil Management Plan and the Permanent Stabilization Site Maps.
2. Attend the Environmental Pre-Construction Conference.
3. Coordinate the Site Pre-Vegetation Conference.
4. Review and recommend approval of products.
5. Review and recommend approval of the Quantities Verification Prerequisite.
6. Attend the Partial Landscape Completion Walkthrough.
7. Attend the Final Landscape Completion Walkthrough.

Name/Title	Contact Information (phone & email)



4. STORMWATER MANAGEMENT CONTROLS FOR FIRST CONSTRUCTION ACTIVITIES

THE CONTRACTOR SHALL PERFORM THE FOLLOWING:



A. POTENTIAL POLLUTANT SOURCES:

Evaluate, identify, locate and describe all potential sources of pollutants at the site in accordance with subsection 107.25, CDPS-SCP and place in the SWMP. All control measures related to potential pollutants shall be shown on the SWMP Site Map by the Contractor's SWMP Administrator for Construction.

B. OFFSITE DRAINAGE (RUN ON WATER):

Describe and record control measures on the SWMP Site Map that have been implemented to address off site run-on water in accordance with subsection 208.03.

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C. VEHICLE TRACKING CONTROL:

Control measures shall be implemented in accordance with subsection 208.04.

D. PERIMETER CONTROL:

1. Perimeter control shall be established as the first item on the SWMP to prevent the potential for pollutants leaving the construction site boundaries, entering the stormwater drainage system, or discharging to state waters. Perimeter control shall be in accordance with subsection 208.04
2. Perimeter control may consist of berms, silt fence, erosion logs, existing landforms, or other control measures as approved.

5. DURING CONSTRUCTION

RESPONSIBILITIES OF THE SWMP ADMINISTRATOR FOR CONSTRUCTION: Considered a "living document", the SWMP is continuously reviewed and modified throughout the construction phases. During construction, SWMP Administrator for Construction shall add, update, or amend the items A-G below as needed in accordance with subsection 208.03.

During construction, indicate how items that were not addressed during design are being handled in construction. If items are covered in other sections of the SWMP, indicate below what section the discussion takes place.

A. MATERIALS HANDLING AND SPILL PREVENTION AND RESPONSE PLAN: Prior to construction commencing the Contractor shall submit a Spill Response Plan. Materials handling and Spill Response Plan shall be in accordance with subsection 208.06.

B. OTHER CDPS PERMITS: List applicable CDPS permits associated with the permitted site and activities.

C. STOCKPILE MANAGEMENT: Shall be done in accordance with subsections 107.25 and 208.07.

D. CONCRETE WASHOUT: Concrete washout water or waste from field laboratories and paving equipment shall be contained in accordance with subsection 208.05.

E. SAW CUTTING: Shall be done in accordance with subsections 107.25, 208.04, 208.05

F. STREET SWEEPING: Shall be done in accordance with subsection 208.04.

6. INSPECTIONS

A. Water Quality Inspections shall be in accordance with subsection 208.03(c).

B. Permanent Stabilization Inspections shall be in accordance with subsections 208.04(e)4 and 208.10.

7. CONTROL MEASURE MAINTENANCE

Maintenance shall be in accordance with subsection 208.04(f).

8. RECORD KEEPING

Records shall be kept in accordance with subsection 208.03(d).

9. INTERIM, PERMANENT STABILIZATION and LONG-TERM STORMWATER MANAGEMENT

The Contractor shall comply with all interim stabilization and permanent stabilization requirements in accordance with subsection 208.04(e).

A. SEEDING PLAN:

The following seed mix(es) and rates are for drill seeding method as shown on the Permanent Stabilization Site Maps shall be used:

COMMON NAME	BOTANICAL NAME	LBS. PLS PER ACRE
Thickspike wheatgrass	Elymus lanceolatus ssp. Lanceolatus 'Critana'	4.0
Idaho fescue	Festuca idahoensis 'Nezpurs'	1.5
Mountain brome	Bromus marginatus	5.5
Prairie Junegrass	Koeleria macrantha	0.2
Western Wheatgrass	Pascopyrum smithii 'Arriba'	5.0

COMMON NAME	BOTANICAL NAME	LBS. PLS PER ACRE
Sandberg Bluegrass	Poa secunda ssp. Sandbergii 'High Plains'	0.3
Alkali Sacaton	Sporobolus airoides 'Salado'	0.4
Wheat x Wheatgrass sterile hybrid	Triticum aestivum x Elytrigia elongata	3.0
Showy goldeneye	Heliomeris multiflora	0.5
Rocky Mountain penstemon	Penstemon strictus	1.0
Blue flax	Linum lewisii	0.5
Arrowleaf balsamroot	Balsamorhiza sagittata	0.8
Scarlet globemallow	Sphaeralcea coccinea	0.1
Low rabbitbrush	Chrysothamnus viscidiflorus	0.1
Mountain big sagebrush	Artemisia tridentate ssp. Vaseyana	0.1
	Total	23.0

B. SEEDING APPLICATION METHOD:

The following seeding methods shall be used for all areas shown on the Permanent Stabilization Site Maps. Soil compaction shall be minimized for areas where permanent stabilization will be achieved through vegetative cover.

Pay Item	Seeding Method (subsection 212.05)	Acre
212-00707	Seeding (Native) Hydraulic	0.60
212-00708	Seeding (Native) Broadcast	0.30
	Total	0.90

C. SOIL STABILIZATION METHODS:

Minimum soil stabilization methods (attached mulch) for all disturbances to receive seeding.

1. Apply a minimum of 2 tons/ac certified weed free hay or 2 ½ tons/ac of certified weed free straw and mechanically crimp into the soil in combination with natural mulch tackifier in accordance with Section 213. Prior to winter shutdown or the summer seeding window closure: Uncompleted slopes shall be mulched with 2 tons of mulching (weed free) per acre, mechanically crimped into the topsoil in combination with an organic mulch tackifier in accordance with Sections 208 and 213.
2. Install Soil Retention Blankets in accordance with Standard Plan M-216-1 and Section 216.

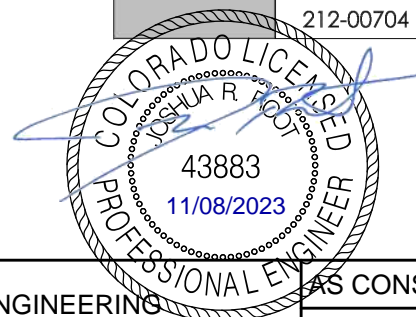
D. SPECIAL REQUIREMENTS:

1. Soil amendments, seedbed preparation, and permanent stabilization mulching shall be accomplished within four working days of placing the topsoil on the de-compacted civil subgrades. If placed topsoil is not mulched with permanent stabilization mulch within four working days, the Contractor shall complete interim stabilization methods in accordance with subsection 208.04(e) at no additional cost to the Department.
2. Complete permanent stabilization mulching within 24 hours of hydraulic application of native seed.
3. The Contractor shall submit a proposed Permanent Stabilization Phasing Plan to the Engineer for approval showing how implementation of SWMP Permanent Stabilization Plans will minimize damage to seeded areas.

E. SOIL AMENDMENT REQUIREMENTS: Minimum amendment material requirements for all disturbances to receive seeding.

0.78 Total Acres of Seeding (Native) Hydraulic With Topsoil Generated From Topsoil (Onsite)

Seeding (Native) Hydraulic Pay Item 212-00707	Pay Item	Description	Amount/Acre	Units	Total For This Method
	212-00700	Organic Fertilizer Low N	300	Pounds	234
	212-00702	Biotic Soil Amendments (Hydraulic Applied)	3500	Pounds	2730
	212-00703	Humate	75	Pounds	59
	212-00704	Mycorrhizae	20	Pounds	16



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US 6 & HILLCREST ROUNDABOUT STORMWATER MANAGEMENT PLAN			
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0.12 Total Acres of Seeding (Native) Broadcast With Topsoil Generated From Topsoil (Onsite)

Seeding (Native) Broadcast Pay Item 212-00708	Pay Item	Description	Amount/Acre	Units	Total For This Method
	212-00700	Organic Fertilizer Low N	300	Pounds	36
	212-00702	Compost (Mechanically Applied)	65	CY	8
	212-00703	Humate	150	Pounds	18
	212-00704	Mycorrhizae	20	Pounds	2




- F. Permanent Stabilization Application Under Structures:
Under structures shade patterns should be considered and the use of Median Cover Material (Stone) or other stabilized options with an approved Project Special Provision should be used. See SWMP Site Map for locations.
- G. RESEEDING OPERATIONS/CORRECTIVE STABILIZATION:
Prior to stormwater construction work partial acceptance.
1. All seeded areas shall be reviewed by the SWMP Administrator for Construction and or Erosion Control Inspector for bare soils caused by surface or wind erosion. Bare areas caused by surface or gully erosion, blown away mulch, etc. shall be re-graded, seeded, and have the designated mulching applied as necessary, at no additional cost to the project.
2. The Contractor shall maintain seeding/mulch/tackifier/blanket/TRM, mow to control weeds or apply herbicide to control weeds in the seeded areas, at no additional cost to the project.
- H. LOCATION AND DESCRIPTION OF PLANNED PERMANENT CONTROL MEASURES: Is Permanent Water Quality Required. Yes No
A hydrodynamic separator will be used to treat the runoff from the roadway, ultimately discharging to the north to Eagle River via proposed storm drainage infrastructure. See SWMP Site Maps for more information.

10. PRIOR TO PROJECT FINAL ACCEPTANCE

- A. When directed by the Engineer, removal and disposal of temporary control measures shall be included in the cost of work.
- B. At the end of the project, all ditch checks shall consist of either temporary erosion logs (or equivalent) or permanent riprap.
- C. All storm drains shall be cleaned prior to the Final Acceptance of the project. If required, include work in 202-04002 Clean Culvert.
- D. Refer to subsection 208.10 for Items to be completed prior to requesting partial acceptance of water quality work.



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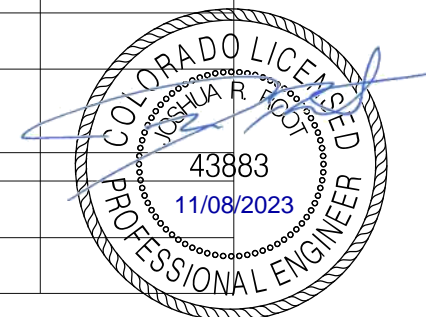
11. NARRATIVES

Control Measure Matrixes During Construction:



1. Control measure narratives have been included for the CDOT Standard Specifications and Standard Plan M-208 and M-216 along with any non-standard control measures approved during the design process. If a Non-Standard Control Measure not included in the SWMP is proposed and approved by the Engineer the SWMP Administrator for Construction shall do the following: Place an "X" in the column for non-standard and complete a Non-Standard Control Measure Specification and Narrative covering the what, when, where and why the control measure is being used shall be add to the SWMP. The appropriate "X" shall also be added to the implementation phase(s).
2. The SWMP Administrator for Construction shall place an "X" in the column In Use On Site when the control measure has been installed.
3. A "B" in the Initial Activities Column indicates that the control measure shall be installed **before** construction activity starts. Locations and quantities will be discussed during the Environmental Pre-Construction Conference with the Regional Water Pollution Control Manager.

STRUCTURAL Control Measures that may be potentially used on the project for erosion and sediment control; practices may include, but are not limited to the following:

APPLICATION, CONTROL MEASURE	NARRATIVE	M- 208 STANDARD or "X" for NON-STANDARD	IN USE ON SITE	CONTROL MEASURE IMPLEMENTATION PHASE		
				INITIAL ACTIVITIES	INTERIM ACTIVITIES	PERMANENT STABILIZATION
PROTECTION OF EXISTING WETLANDS Fence (plastic) and erosion logs	Fence (plastic) shall be placed in combination with erosion logs to prevent encroachment of construction traffic and sediment into state waters prior to start of construction disturbances. Fence (plastic) shall be placed adjacent to the wetlands; erosion logs shall be placed between the plastic fence and disturbance area. Logs shall be placed to direct flows away from or filter water running into wetlands from disturbance areas.			B	X	
PROTECTION OF EXISTING TREES/LANDSCAPING Fence (plastic)	Fence (plastic) shall be used in areas indicated in the plans to prevent encroachment of construction traffic and sediment for the protection of sensitive habitat, mature trees and/or existing landscaping prior to start of construction disturbances.					
CHECK DAM/DITCH CHECK Erosion log, silt berm, silt dike, rock check dam	Placed in ditches immediately upon completion of ditch grading to reduce velocity of runoff in ditch. For existing ditches, place prior to start of construction disturbances.	M-208				
Storm Drain Inlet Protection In Paved Roadways (Type 1, 2 and 3 as shown on M-208-1, sheet 5 of 11)	Manufactured storm drain inlet protection placed prior to construction disturbances as detailed in M-208-1, to protect existing inlets or immediately upon completion of new inlets to prevent sediment from entering the inlet throughout construction.	M-208		B	X	
Storm Drain Inlet Protection In Native Seed Areas (M-604 Standard Inlets Type C and D)	Erosion logs or aggregate bags placed around inlet grate to prevent sediment from entering inlet. Place prior to construction disturbances to protect existing inlets or immediately upon completion of new inlets.	M-208				
CULVERT INLET/OUTLET PROTECTION Erosion logs, aggregate bags	Placed at mouth of culvert inlets and over top of culvert at inlet and outlet where disturbance may be occurring adjacent to pipe to prevent sediment laden water from entering pipe or drainage. Place prior to the start of construction disturbances.	M-208		B	X	
TYPE C, TYPE D AND TYPE 13 PROTECTION Erosion logs, aggregate bags, erosion bales	Placed around inlet grate or slope and ditch paving to prevent sediment from entering inlet. Place prior to the start of construction disturbances.	M-208				
STOCKPILE PROTECTION Temporary berm, erosion logs, aggregate bags*	Placed within specified distance, in accordance with subsection 208.06, from toe to contain sediment around stockpile. *Aggregate bags are easily moved and replaced for access during the work day. Place prior to start of stockpiling, increase control as the stockpile increases size.	M-208			X	
TOE OF FILL PROTECTION Erosion logs, temporary berm, silt fence, topsoil windrow*	Place prior to slope/embankment work to capture sediment and protect and delineate undisturbed areas. *Can be used to stockpile topsoil for salvage.	M-208		B	X	
PERIMETER CONTROL Erosion logs, silt fence, temporary berm, topsoil windrow*	Placed prior to construction commencing to address potential run-on water from off site, and to divert around disturbed area. *Can be used to stockpile topsoil for salvage.	M-208		B	X	
SLOPE CONTROL Silt fence, erosion logs	Placed on the contour of a slope to contain and slow down construction runoff. Place prior to the start of construction disturbances.	M-208			X	
TEMPORARY SEDIMENT TRAP	Used to capture sediment laden runoff from disturbed areas < 5 acres during construction. Place prior to the start of construction disturbances. Outlets that withdraw water from or near the surface may be installed when discharging from basins and impoundments.	M-208				
TEMPORARY SLOPE DRAIN OUTLET PROTECTION Riprap, or approved other	Placed as a conduit or chute to drain runoff down slope and to prevent erosion of slope. Material placed as an energy dissipater to prevent erosion at outlet structure.	M-208 M-601-12				X
CONCRETE WASHOUT In-ground or fabricated	Construction control, used for waste management of concrete and concrete equipment cleaning. Place prior to the start of concrete activities.	M-208		X	X	



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APPLICATION, CONTROL MEASURE	NARRATIVE	M- 208 STANDARD or "X" for NON-STANDARD	IN USE ON SITE	CONTROL MEASURE IMPLEMENTATION PHASE		
				INITIAL ACTIVITIES	INTERIM ACTIVITIES	PERMANENT STABILIZATION
VEHICLE TRACKING PAD	Source control, placed to prevent tracking of sediment from disturbed area to offsite surface. Place prior to the start of construction disturbances.	M-208		B	X	
Engineered SEDIMENT BASIN	Constructed early in the project, prior to storm sewer/ditches and in accordance with 208.05(p) to capture storm flow. Outlet structure and/or outfall shall be modified for temporary sediment control using an approved non-standard detail. Outlets that withdraw water from or near the surface shall be installed when discharging from basins and impoundments, unless infeasible					
DEWATERING (Contractor is responsible for obtaining a permit from Colorado Department of Health and Environment.)	Shall be done in such a manner to prevent potential pollutants from entering state waters.					
TEMPORARY STREAM CROSSING	Constructed over stream or drainage to prevent discharge of pollutants from construction equipment into water.					
CLEAN WATER DIVERSION	Placed to divert clean surface or groundwater around the disturbance area to prevent it from mixing with construction runoff.					
OTHER						

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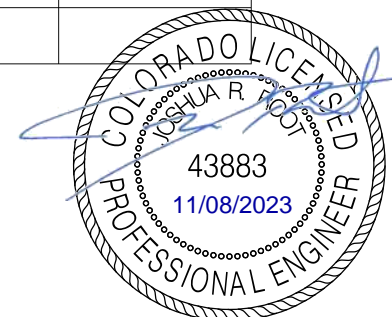
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NON-STRUCTURAL Control Measures that may be potentially used on the project for erosion and sediment control; practices may include, but are not limited to:



Erosion control devices are used to limit the amount of soil loss on site. Sediment control devices are designed to capture sediment on the project site. Construction controls are control measures related to construction access and staging. Control Measure locations are indicated on the SWMP Site Map.

*** Use of vegetative buffer strip requirements.** The CDPHE Water Quality Control Division Technical Memorandum dated August 27, 2015 clarifies the requirements for utilization of existing vegetation as a buffer type of sediment control measure, while maintaining compliance with the CDPS permit for Stormwater Discharges Associated with Construction Activity – CDPS Permit No. COR4000000. In general, the division does not recommend that vegetated buffers be implemented as a sediment removal control measure for runoff from disturbed areas at construction sites, unless implemented as a “finishing” component of a treatment train comprised of additional, adequate up-gradient Control Measures. The entire memorandum can be found at: <https://www.colorado.gov/pacific/sites/default/files/Vegetative%20Buffer%20Memo.pdf>

APPLICATION, CONTROL MEASURE	NARRATIVE	M-STANDARD or "For NON-STANDARD"	IN USE ON SITE	CONTROL MEASURE IMPLEMENTATION PHASE		
				INITIAL ACTIVITY	INTERIM ACTIVITIES	PERMANENT STABILIZATION
* VEGETATIVE BUFFER STRIP	Finishing component for filtering sediment-laden runoff from disturbance area. Area within CDOT ROW or temporary easement to be identified on SWMP prior to construction starting.			X	X	
GRADING APPLICATIONS (LANDFORM)	Existing or created landforms may be used as a control measure if they prevent sediment from entering or leaving the disturbance area. If a landform directs flow of water to a concentrated outfall point, the outfall point shall be protected to prevent erosion. Area to be identified on SWMP prior to construction starting.	M-208		X	X	
TOPSOIL MANAGEMENT STOCKPILE/SALVAGE Stockpile	Prior to any site disturbance work commencing, existing topsoil shall be scraped to a depth six inches or as specified, and placed in stockpiles or windrows. Upon completion of final grading, topsoil shall be evenly distributed over embankment to a depth of six inches or as specified.	M-208		X	X	
SURFACE ROUGHENING / GRADING TECHNIQUES	Temporary stabilization of disturbance and to minimize wind and erosion.				X	
SEEDING (TEMPORARY)	Temporary stabilization used for over wintering of disturbance or used to control erosion for areas scheduled for future construction.					
BONDED FIBER MATRIX or MULCHING (HYDRAULIC)	Not to be used in areas of concentrated flows, i.e. ditch lines. To be for either Interim or Permanent Stabilization placed as a surface cover for erosion control. May be used as surface cover when work is temporarily halted and as approved by the Engineer for stockpiles.					
Straw or Hay MULCH/MULCH TACKIFIER	Interim or Permanent Stabilization placed as a surface cover for erosion control and or seeding establishment. To be installed as Interim Stabilization as a surface cover when work is temporarily halted and as approved by the Engineer					X
SPRAY-ON MULCH BLANKET (Not to be used in areas of concentrated flows, i.e. ditch lines.)	Interim or Permanent Stabilization placed as a surface cover for erosion control and or seeding establishment. To be installed as temporary surface cover when work is temporarily halted and as approved by the Engineer					
SEEDING PERMANENT (NATIVE PERENNIAL)	Permanent Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas.					X
SOIL RETENTION BLANKET (SRB)	Permanent Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas.	M-216				X
TURF REINFORCEMENT MAT (TRM)	Permanent Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas. Placed in channels or on slopes for erosion control, channel liner and seeding establishment.	M-216				
Sweeping	Source control, used to remove sediment tracked onto paved surfaces and to prevent sediment from entering drainage system. Sweep daily and at the end of the construction shift as needed. Kick brooms shall not be permitted.				X	
OTHER						



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FILE NAME: 118339-01SWMP.DWG				NO. REVISIONS:				118339-01
Horizontal Scale: X Vertical Scale: X	AD PLAN SET			REVISED:	Designer: KLT	STRUCTURE	SW-07 of 8	62
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12. TABULATION OF STORMWATER QUANTITIES

- A. Control Measure sediment removal and disposal shall be paid for as: 208 Removal and Disposal of Sediment (Equipment) and 208 Removal and Disposal of Sediment (Labor). All other control measure maintenance shall be included in the cost of the control measure.
- B. It is estimated that [16] hours of blading (140-250 horsepower), dozing (130-250 horsepower) and/or combination loader (80-125 horsepower) may be required for miscellaneous erosion control work as directed by the Engineer. Work shall be paid for as: 203 Blading, 203 Dozing and/or 203 Combination Loader.

PSP Spec.	Pay Item	Description	Pay Unit	Initial Const.	Interim Const.	Permanent Stabilization	*Total Quantity
	202-04008	Clean Culvert	LF		42		42
	203-01500	Blading	Hour		16		16
	203-01550	Dozing	Hour		16		16
	203-01594	Combination Loader	Hour		16		16
	207-00700	Topsoil (Onsite)	CY			726	726
	208-00008	Erosion Log Type 2 (12 inch)	LF	*690	*320		*1150
	208-00035	Aggregate Bag	LF	100			100
	208-00046	Pre-fabricated Concrete Washout Structure (Type 1)	Each	2			2
	208-00052	Storm Drain Inlet Protection (Type II)	LF		60		60
	208-00075	Pre-fabricated Vehicle Tracking Pad	Each	2			2
	208-00103	Removal and Disposal of Sediment (Labor)	Hour		16		16
	208-00105	Removal and Disposal of Sediment (Equipment)	Hour		16		16
	208-00106	Sweeping (Sediment Removal)	Hour		16		16
	208-00107	Removal of Trash	Hour		8		8
	208-00207	Erosion Control Management (ECM)	Day	10	20	9	39
	212-00700	Organic Fertilizer Low N	Pounds			270	270
	212-00701	Compost (Mechanically Applied)-	CY			8	8
	212-00702	Biotic Soil Amendments (Hydraulically Applied)	Pounds			2730	2730
	212-00703	Humate	Pounds			77	77
	212-00704	Mycorrhizae	Pounds			18	18
	212-00707	Seeding (Native) Hydraulic	Acre			0.78	0.78
	212-00708	Seeding (Native) Broadcast	Acre			0.12	0.12
	213-00012	Spray-on Mulch Blanket	Acre			0.9	0.9
	216-00201	Soil Retention Blanket (Straw/Coconut) (Biodegradable Class 1)	SY			*168	*168
	217-00020	Herbicide Treatment	Hour		8		8

*It is anticipated that additional control measures and control measure quantities not shown on the SWMP Site Maps shall be required on the project for unforeseen conditions and replacement of items that are beyond

their useful service life, see subsections 208.03 and 208.04. Quantities for all control measures shown above are estimated and have been increased for unforeseen conditions and normal control measure life expectancy. Quantities shall be adjusted according to the conditions encountered in the field as directed and approved by the Engineer. Payment shall be for the actual work completed and material used. **Pay Item 208-00071 is included for anticipated maintenance of vehicle tracking pads based on the service life of the control measure in the field. The use of the material shall be directed and approved by the Engineer. *** F/A refers to CDOT's Force Account Pay Items.

13. BIOLOGICAL IMPACTS and DEWATERING

- A. ENVIRONMENTAL IMPACTS:
 - 1. Wetland Impacts: NO
 - 2. Stream Impacts: NO
 - 3. Threatened and Endangered Species: No species are anticipated to be impacted by the project.
- B. DEWATERING:

(Not covered under the CDPHE guidance document Low Risk Discharge Guidance Discharges of Uncontaminated Groundwater to Land):

<https://www.colorado.gov/pacific/sites/default/files/WQ%20LOW%20RISK%20GW.pdf>

 - 1. Dewatering: Refer to other environmental permits in accordance with subsection 107.02 and the permits contained in Tab 16 of the SWMP.
 - 2. If groundwater does not meet water quality standards for receiving water a separate CDPS Dewatering Permit shall be obtained by the Contractor from CDPHE in accordance with subsections 107.02 and 107.25.



14. NOTES

- * These quantities have been increased by 20% to account for unforeseen conditions and replacement of BMPs.
- 1. These quantities have been taken forward to the Summary of Approximate Quantities.
- 2. For details, see CDOT M&S standards.
- 3. Location of stockpiles, including topsoil, imported aggregates, excess materials, storage and staging areas for equipment fuel, lubricant, chemical (and other materials), waste storage, borrow and disposal areas shall be located prior to construction within the defined limits of construction by the project engineer.



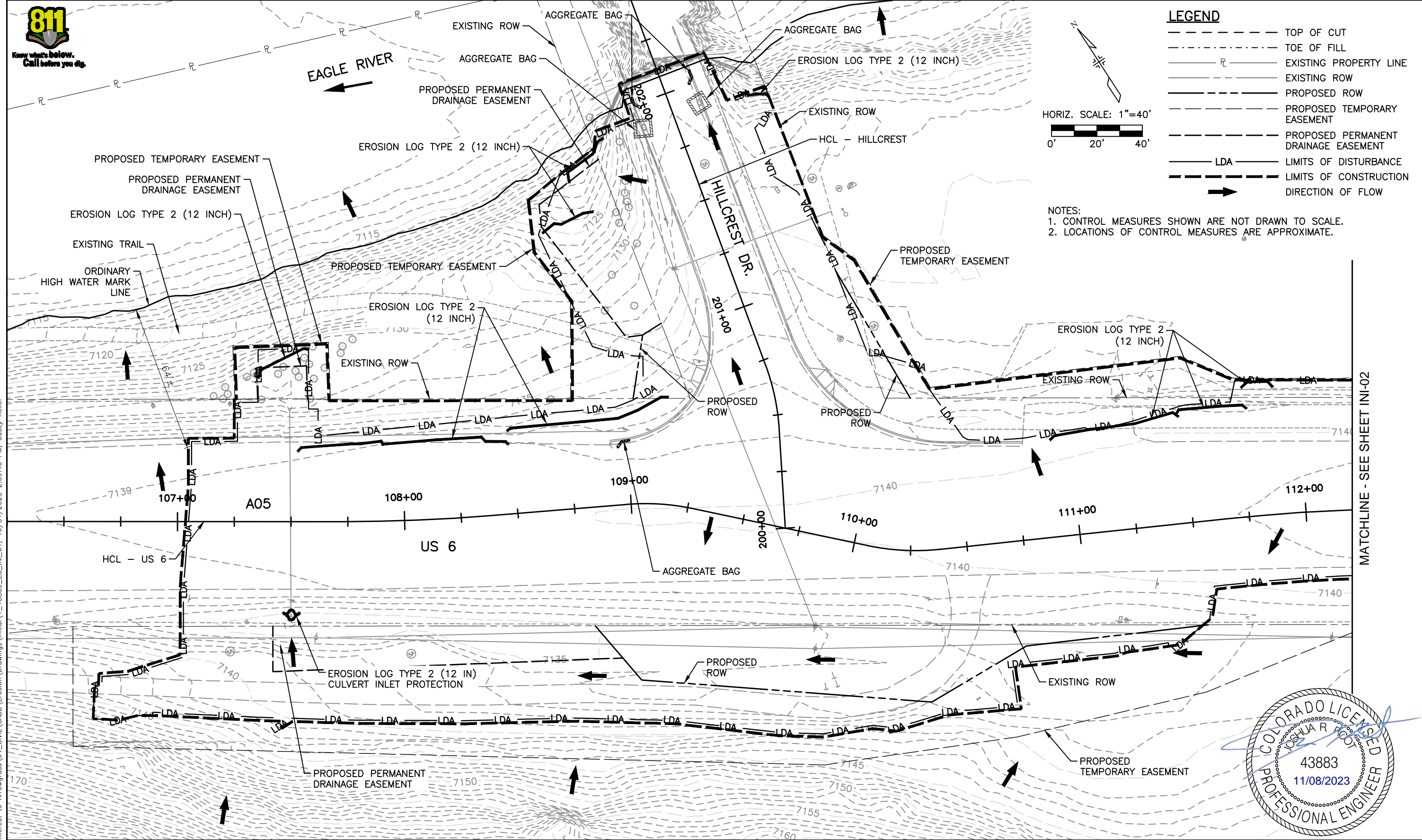
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LEGEND

- TOP OF CUT
- TOE OF FILL
- EXISTING PROPERTY LINE
- EXISTING ROW
- PROPOSED ROW
- PROPOSED TEMPORARY EASEMENT
- PROPOSED PERMANENT DRAINAGE EASEMENT
- LDA --- LIMITS OF DISTURBANCE
- LIMITS OF CONSTRUCTION
- > DIRECTION OF FLOW

HORIZ. SCALE: 1"=40'
 0' 20' 40'

NOTES:
 1. CONTROL MEASURES SHOWN ARE NOT DRAWN TO SCALE.
 2. LOCATIONS OF CONTROL MEASURES ARE APPROXIMATE.


MATCHLINE - SEE SHEET INI-02



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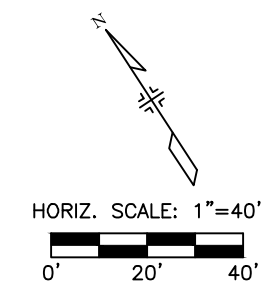
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US 6 & HILLCREST ROUNDABOUT SWMP SITE MAP INITIAL CONDITIONS			
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PROJECT NO./CODE
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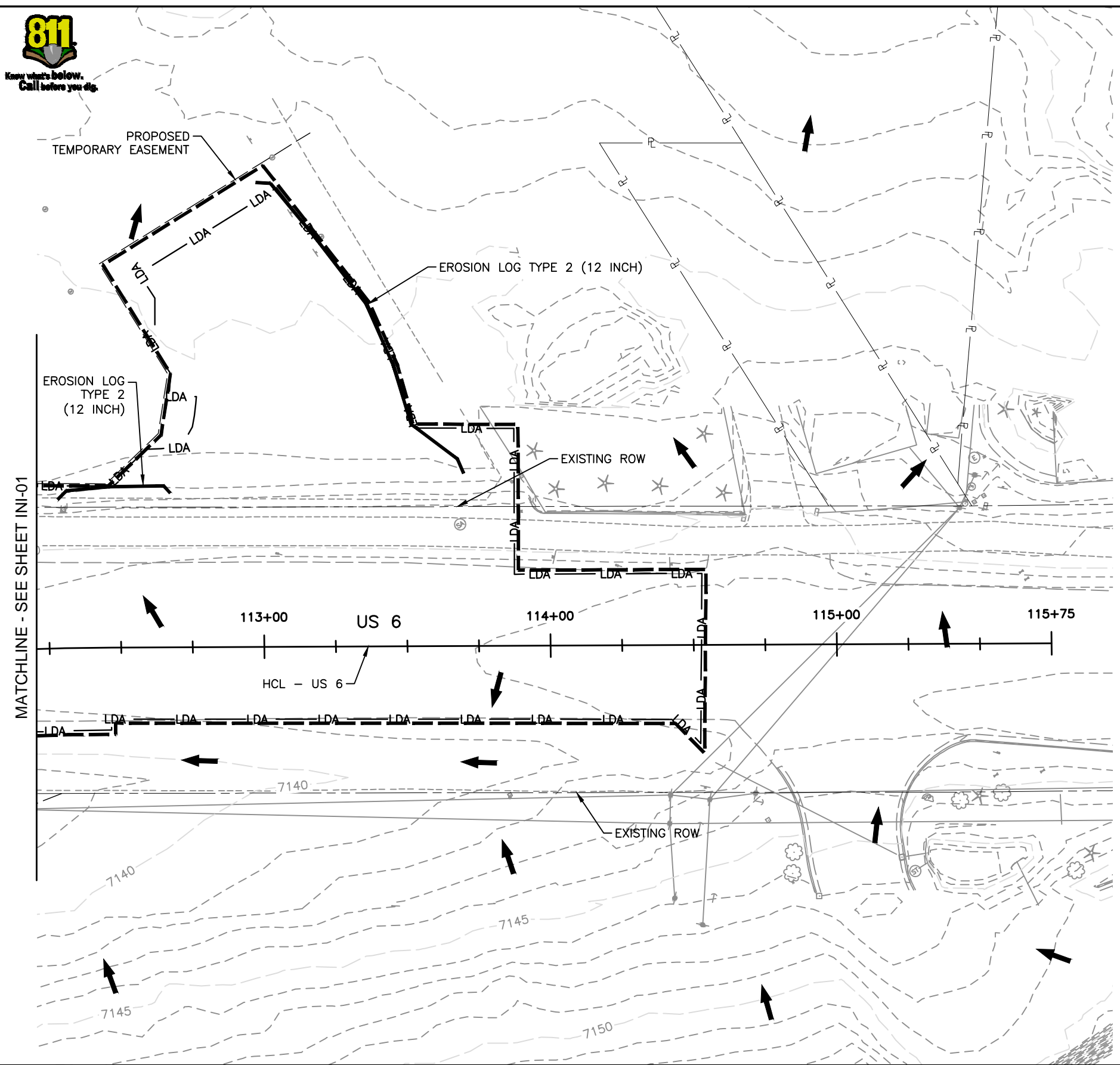
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LEGEND

- TOP OF CUT
- - - - - TOE OF FILL
- P — EXISTING PROPERTY LINE
- EXISTING ROW
- PROPOSED ROW
- - - - - PROPOSED TEMPORARY EASEMENT
- - - - - PROPOSED PERMANENT DRAINAGE EASEMENT
- LDA — LIMITS OF DISTURBANCE
- - - - - LIMITS OF CONSTRUCTION
- ➔ DIRECTION OF FLOW


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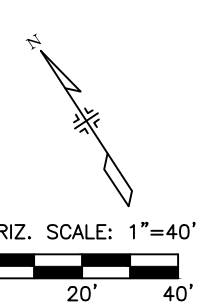
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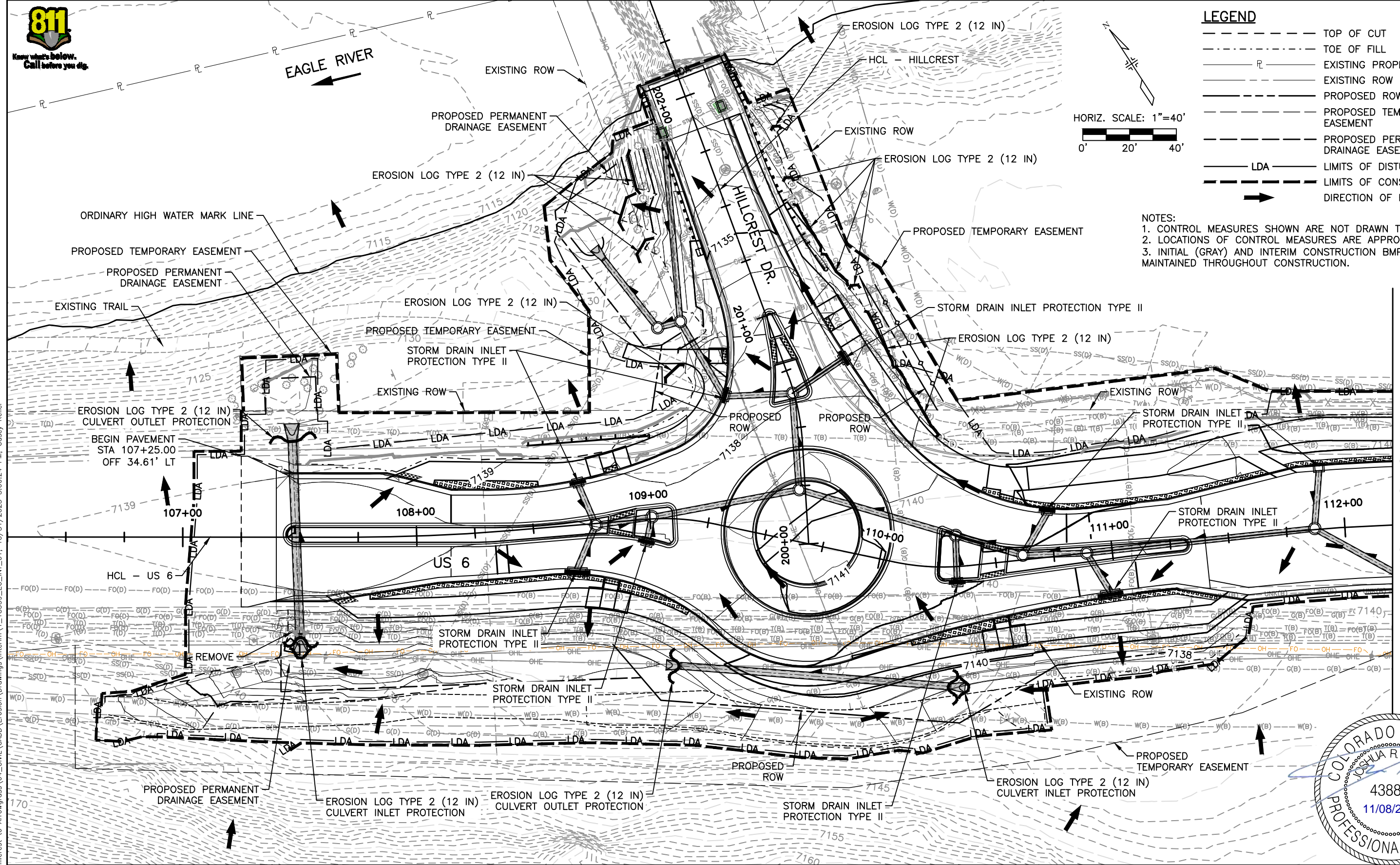
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		SHEET	INI-02 OF 2



LEGEND

---	TOP OF CUT
- - - -	TOE OF FILL
— P —	EXISTING PROPERTY LINE
---	EXISTING ROW
---	PROPOSED ROW
- - - -	PROPOSED TEMPORARY EASEMENT
---	PROPOSED PERMANENT DRAINAGE EASEMENT
---	LDA
---	LIMITS OF DISTURBANCE
---	LIMITS OF CONSTRUCTION
→	DIRECTION OF FLOW

NOTES:
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 2. LOCATIONS OF CONTROL MEASURES ARE APPROXIMATE.
 3. INITIAL (GRAY) AND INTERIM CONSTRUCTION BMPs TO BE MAINTAINED THROUGHOUT CONSTRUCTION.



MATCHLINE - SEE SHEET INT-02



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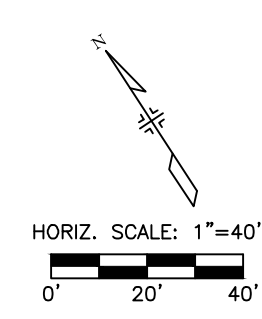
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**US 6 & HILLCREST ROUNDABOUT
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 INTERIM CONDITIONS**

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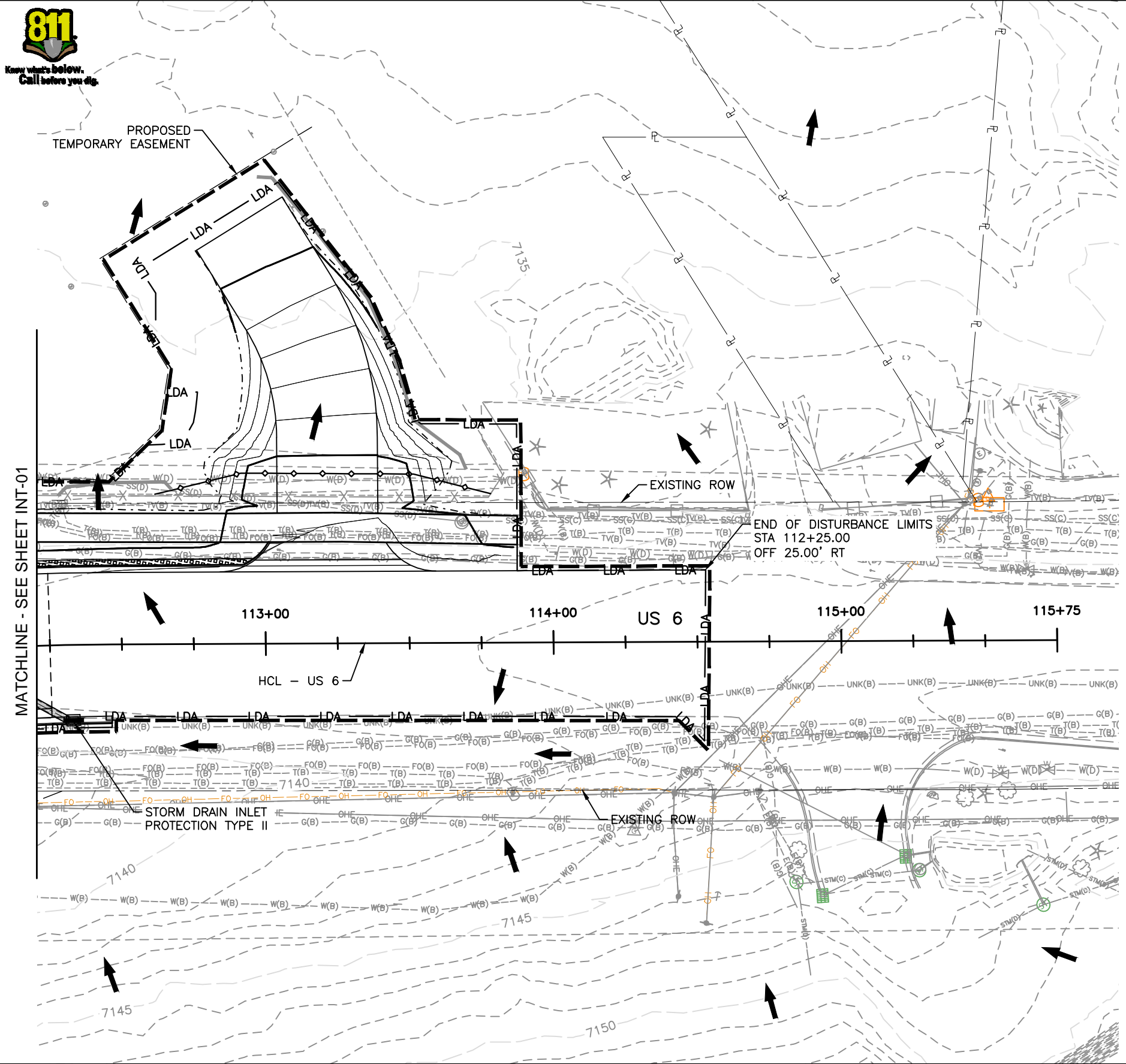
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LEGEND	
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- - - - -	TOE OF FILL
— P —	EXISTING PROPERTY LINE
---	EXISTING ROW
---	PROPOSED ROW
- - - - -	PROPOSED TEMPORARY EASEMENT
- - - - -	PROPOSED TEMPORARY EASEMENT
— LDA —	LIMITS OF DISTURBANCE
— LCA —	LIMITS OF CONSTRUCTION
→	DIRECTION OF FLOW

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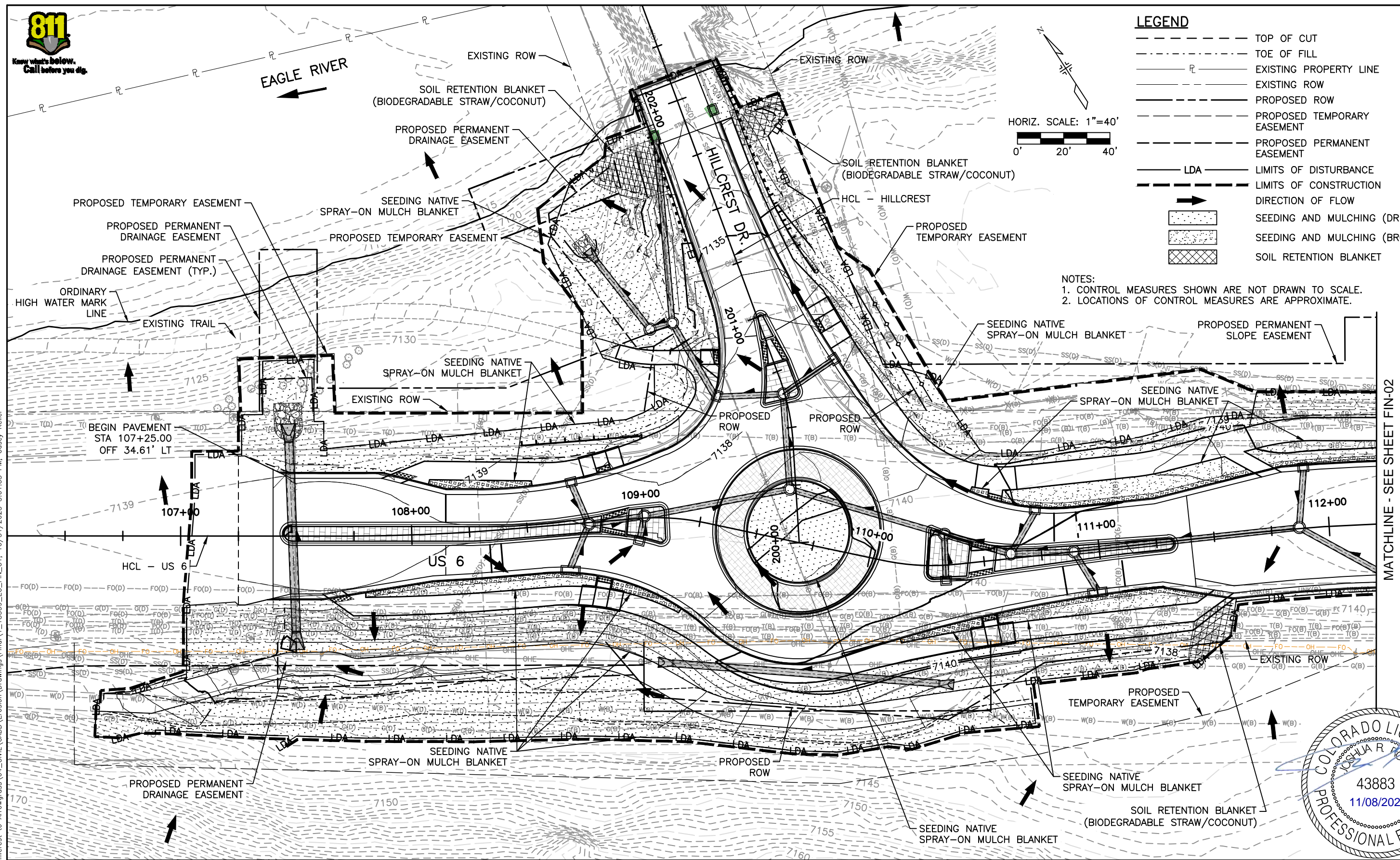


LEGEND

- TOP OF CUT
- - - - TOE OF FILL
- P — EXISTING PROPERTY LINE
- EXISTING ROW
- PROPOSED ROW
- - - - PROPOSED TEMPORARY EASEMENT
- PROPOSED PERMANENT EASEMENT
- LDA — LIMITS OF DISTURBANCE
- - - - LIMITS OF CONSTRUCTION
- DIRECTION OF FLOW
- [Pattern] SEEDING AND MULCHING (DRILL)
- [Pattern] SEEDING AND MULCHING (BROADCAST)
- [Pattern] SOIL RETENTION BLANKET

HORIZ. SCALE: 1"=40'
 0' 20' 40'

NOTES:
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 2. LOCATIONS OF CONTROL MEASURES ARE APPROXIMATE.



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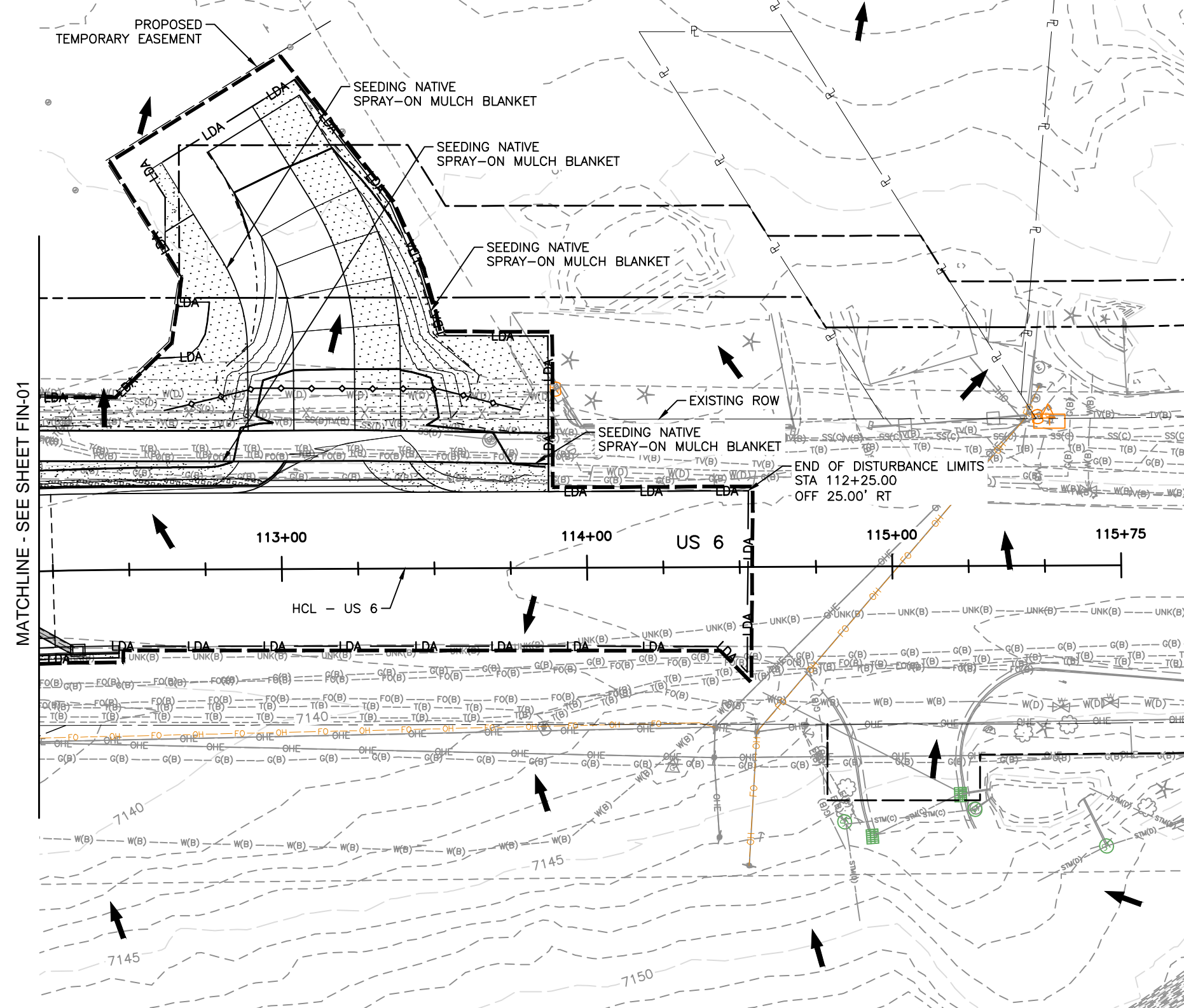
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**US 6 & HILLCREST ROUNDABOUT
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 FINAL CONDITIONS**

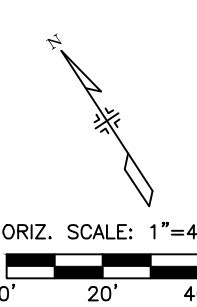
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MATCHLINE - SEE SHEET FIN-01



LEGEND

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	EXISTING ROW
	PROPOSED ROW
	PROPOSED TEMPORARY EASEMENT
	PROPOSED PERMANENT EASEMENT
	LDA - LIMITS OF DISTURBANCE
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	DIRECTION OF FLOW
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	SEEDING AND MULCHING (BROADCAST)
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GENERAL NOTES:

- UTILITY LINES ARE SHOWN FOR INFORMATION ONLY. SEE UTILITY AND DRAINAGE PLANS FOR ADDITIONAL INFORMATION.
- ALL WORK PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THE CURRENT ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, CDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE CDOT LIGHTING DESIGN GUIDE, AND HOLY CROSS ENERGY METERING GUIDELINES.
- CONDUITS ROUTING SHOWN IS SCHEMATIC AND SHALL NOT BE SCALED. WHERE CONDUIT CANNOT BE ROUTED AS SHOWN, THE CONTRACTOR SHALL USE THE SHORTEST POSSIBLE ROUTE TO ACHIEVE THE DESIGN INTENT AND AVOID CONFLICTS WITH TREES, UNDERGROUND UTILITIES, INLETS, VAULTS, AND OTHER ELEMENTS OF THE STREETScape.
- ALL CONDUIT SHALL BE INSTALLED IN THE PUBLIC RIGHT OF WAY, A MINIMUM OF 24" BELOW GRADE AND 30" UNDER TRAVELED WAY. ALL CONDUIT ELBOWS SHALL BE PVC COATED GRC. ALL STREET LIGHTING CONDUIT SHALL BE PVC (SCH 80) UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL COORDINATE ALL CONDUIT RUNS AND CONSTRUCTION SEQUENCE WITH ALL TRADES.
- PROVIDE PULL BOXES AND JUNCTION BOXES AS NECESSARY ACCORDING TO THE NATIONAL ELECTRICAL CODE, AASHTO REQUIREMENTS, HOLY CROSS ENERGY, AND OTHER GOVERNING AUTHORITIES. PROVIDE PULL BOXES AND JUNCTION BOXES, SIZED AS REQUIRED TO FACILITATE CONSTRUCTION AND TO PROVIDE A WEATHER TIGHT RACEWAY SYSTEM. ADDITIONAL PULL BOXES INSTALLED BY THE CONTRACTOR BUT NOT SHOWN ON PLANS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.
- PRIOR TO THE COMMENCEMENT OF DEMOLITION ASSOCIATED WITH THIS PROJECT, CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND THE SCOPE OF ELECTRICAL DEMOLITION WORK.

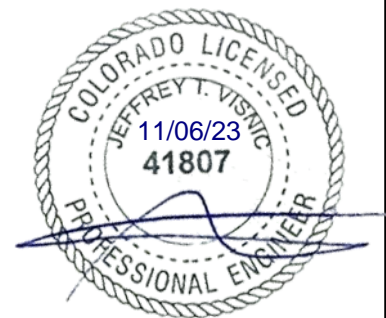
KEYED NOTES:



- CONTRACTOR TO FURNISH ALL NECESSARY CONDUIT, CONDUCTORS, WEATHERHEAD, AND INCIDENTAL MATERIALS FOR SERVICE LATERAL AND RISER FROM METER LOCATION TO POINT OF CONNECTION AT POLE-MOUNTED TRANSFORMER. HOLY CROSS ENERGY TO INSTALL AND CONNECT THE NEW SERVICE.
- PROPOSED ROUTING FOR NEW OVERHEAD ELECTRIC. REFER TO UTILITY PLANS FOR EACH LOCATION.
- CONTRACTOR TO FURNISH AND INSTALL NEW (1) 1" SCH 80 PVC AND (1) 4" SCH 80 PVC CONDUITS WITH TRACER WIRE UNDER ROADWAY AND TERMINATE IN NEW PULL BOX LOCATED IN ROUNDABOUT MEDIAN.
- HCE TO EVALUATE AVAILABLE CAPACITY OF EXISTING TRANSFORMER FOR SERVICE OF NEW STREET LIGHTING. HCE TO ADVISE IF UPGRADED TRANSFORMER IS REQUIRED.

LEGEND

	NEW LED POLE MOUNTED STREET LIGHT		UTILITY COMPANY PAD MOUNTED TRANSFORMER, 120/240V, 1Ø, 3W (TYPICAL U.N.O.)
	EXISTING POLE MOUNTED STREET LIGHT TO BE REMOVED		UTILITY COMPANY PAD MOUNTED TRANSFORMER, 120/240V, 1Ø, 3W (TYPICAL U.N.O.)
	NEW STREET LIGHT PULLBOX, TIER 22 RATED, (11"x18"x12") POLYMER CONCRETE		SELF CONTAINED UTILITY METER PEDESTAL (MP)
	NEW CIRCUIT UNDERGROUND RUN (BOLD LINE WEIGHT)		UTILITY SECONDARY SERVICE PEDESTAL
	EXISTING CIRCUIT UNDERGROUND RUN (LIGHT LINE WEIGHT)		FUSED DISCONNECT SWITCH
	NEW CIRCUIT OVERHEAD RUN (BOLD LINE WEIGHT)		GROUND ROD
			KEYED NOTE
			DETAIL REFERENCE DESIGNATION
		R.O.W.	RIGHT OF WAY
		MIN.	MINIMUM
		P.V.C.	POLYVINYL CHLORIDE CONDUIT
		DIA.	DIAMETER
		U.N.O.	UNLESS NOTED OTHERWISE
		N.I.C.	NOT IN CONTRACT
		(RL)	RELOCATED
		G.R.C.	GALVANIZED RIGID CONDUIT
		(E)	EXISTING
		PART.	PARTIAL CIRCUIT



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US6/HILLCREST ROUNDABOUT - TABULATION OF LIGHTING

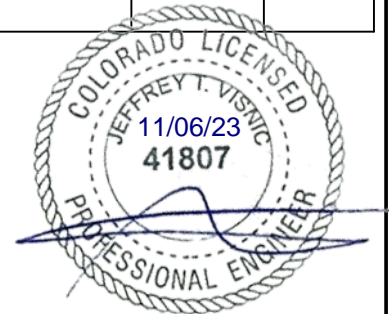
SHEET #	Plan ID#	BASELINE	STATION	OFFSET	REMOVAL OF LIGHT STANDARD	REMOVAL OF LUMINAIRE	REMOVAL OF ELECTRICAL EQUIPMENT	2 INCH ELECTRICAL CONDUIT (PLASTIC)	4 INCH ELECTRICAL CONDUIT (PLASTIC)	PULL BOX (11x18x12)	LUMINAIRE (LED) (8,000 LUMENS)	LIGHT STANDARD STEEL (35 FOOT)	LIGHT STANDARD FOUNDATION	TRANSFORMER BASE ALUMINUM	METER POWER PEDESTAL	WIRING	
					EA	EA	LS	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA
					202-00700	202-00750	202-00047	613-01200	613-01400	613-07011	613-13008	613-32350	613-40010	613-40020	613-50109	613-10000	
											(NOTE 1)						
LP-01	MP1	HILLCREST DR.	201+05.26	28.3 L				80		1					1		
LP-01	LR01	HILLCREST DR.	200+75.51	36.8 L	1	1	1										
LP-01	PB01	US6	108+55.52	30.1 L						1							
LP-01	PB02	US6	109+16.18	50.7 L						1							
LP-01	PB03	HILLCREST DR.	201+10.64	28.9 R						1							
LP-01	PB04	US6	110+49.35	44.9 L						1							
LP-01	PB05	US6	109+50.00	10.0 L				150	150	1							
LP-01	LS01	US6	107+61.57	29.5 R				110		1	1	1	1	1			
LP-01	LS02	US6	108+58.19	21.6 R				110		1	1	1	1	1			
LP-01	LS03	US6	110+28.61	28.8 R				90		1	1	1	1	1			
LP-01	LS04	HILLCREST DR.	201+22.00	19.6 L				20		1	1	1	1	1			
LP-01	LS05	US6	108+97.08	37.7 L				70		1	1	1	1	1			
LP-01	LS06	HILLCREST DR.	200+72.53	38.3 R				90		1	1	1	1	1			
LP-01	LS07	US6	110+81.46	24.1 L				110		1	1	1	1	1			
LP-01	LS08	US6	111+81.30	31.5 L				110		1	1	1	1	1			
TOTALS					1	1	1	940		14	8	8	8	8	1	1	

NOTES

- PAY ITEM SHALL INCLUDE 6' LONG LUMINAIRE ARM.
- SEE PLAN SHEET FOR PAY ITEMS 613-01200 & 613-07011 VARIOUS LOCATIONS.

US6/HILLCREST ROUNDABOUT - LUMINAIRE SCHEDULE

KEY	SOURCE					DESCRIPTION	B-U-G RATING	MANUFACTURER	CATALOG NUMBER	FINISH	MOUNTING	VOLTAGE	INPUT WATTS	NOTES
	TYPE	LUMENS	LM/W	CRI	CCT									
LS##	LED	7,300	133	70+	3000K	LED ROADWAY LUMINAIRE ON ROUND TAPERED GALVNIIZED STEEL POLE WITH 6-FT LUMINAIRE ARM AND BREAKAWAY T-BASE ON CONCRETE FOUNDATION. FURNISH LUMINAIRE WITH TYPE 3 MEDIUM DISTRIBUTION AND MULTI-PIN TWIST-LOCK PHOTOCELL. LUMINAIRE TO BE UL LISTED AND SUITABLE FOR USE IN WET LOCATIONS.	B2-U0-G2	SIGNIFY LUMEC (OR APPROVED EQUAL) MILLERBERND (OR APPROVED EQUAL)	LUMINAIRE: RFM-108W48LED3K-G2-R3M POLE: SJ1-041-A-070-A-300-R-GV-NC2 T-BASE: AKRON FOUNDRY TB1-17 MODIFIED	GRAY GALVANIZED	CONCRETE FOUNDATION	120	55	



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AS CONSTRUCTED	US 6 & HILLCREST ROUNDABOUT LIGHTING PLANS SCHEDULES		PROJECT NO./CODE
NO. REVISIONS:			118339-01
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VOLTAGE DROP CALCULATION

All conductors shall be copper (CU) THHN/THWN.

Max. Allowable Voltage Drop = 3%

Distances shown for voltage drop calculation purposes only. Do not use for cost estimating.

Luminaire VA = 55

CKT#	NO. OF LIGHTS	VA (TOTAL)	VOLTAGE (V)	LOAD (A)	DISTANCE (FEET)	CONDUCTORS, GROUND, AND CONDUIT SIZE	VOLTAGE DROP
MP 1-1	4	220	120	1.8	300	(2#8 THWN & 1#6 GND) 2" C	1.1%
MP 1-3	4	220	120	1.8	300	(2#8 THWN & 1#6 GND) 2" C	1.1%

FED FROM: XCEL XFMR

VOLTAGE: 240/120

AIC: 10000

ENCLOSURE: NEMA 3R

PANEL: **MP1**

PHASE: 1

BUS AMPACITY: 100A

NEUTRAL: 100%

GROUND: STD

WIRE: 3

MAIN: MCB

MOUNTING: PEDESTAL

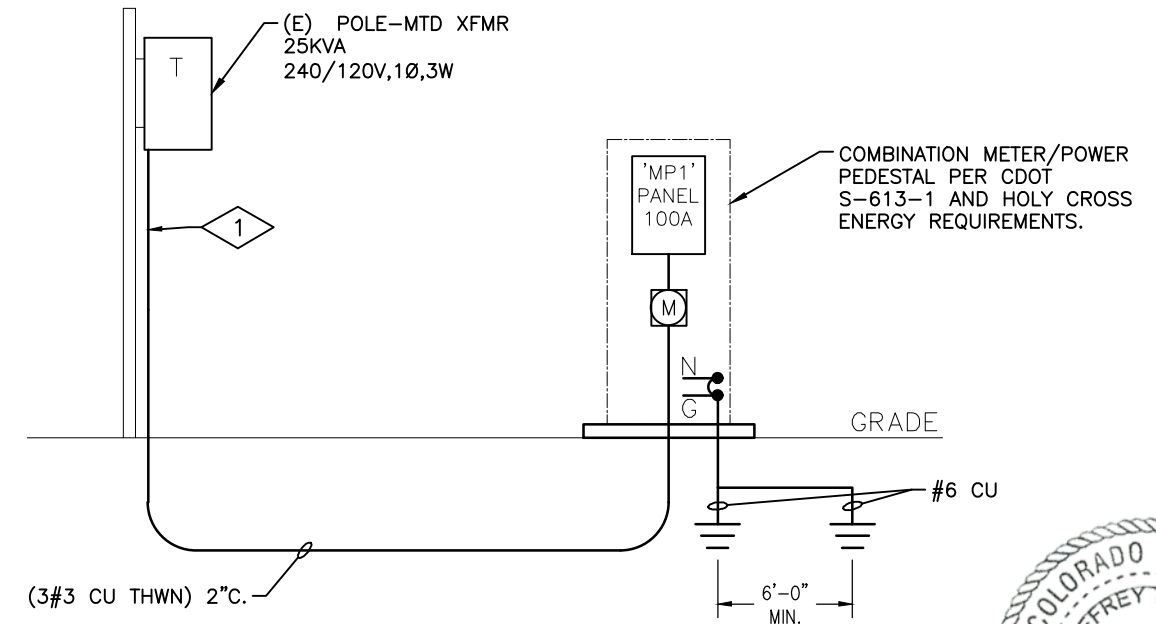
CKT NO	CKT DESCRIPTION	LOAD		CKT BREAKER			CKT BREAKER			LOAD		CKT DESCRIPTION	CKT NO
		VA	TYPE	P	A	NOTE	NOTE	A	P	TYPE	VA		
1	LS02,03,04,07	220	L	1	20			20	1			SPARE	2
3	LS01,05,06,08	220	L	1	20			20	1			SPARE	4
5	SPACE			-	-			-	-			SPACE	6

LOAD TYPE	CONNECTED (KVA)			DEMAND FACTOR	DEMAND (KVA)		
	A	B	TOTAL		A	B	TOTAL
LIGHTING (L)	0.2	0.2	0.4	1.25	0.3	0.3	0.6
RECEPTACLE (R)	0.0	0.0	0.0	1.00	0.0	0.0	0.0
REC (>10000VA) (R)	0.0	0.0	0.0	0.50	0.0	0.0	0.0
HEATER (H)	0.0	0.0	0.0	1.00	0.0	0.0	0.0
LARGEST MOTOR (M)	0.0	0.0	0.0	1.25	0.0	0.0	0.0
REMAIN MOTOR (M)	0.0	0.0	0.0	1.00	0.0	0.0	0.0
CONTINUOUS LOAD (CL)	0.0	0.0	0.0	1.25	0.0	0.0	0.0
KITCHEN LOADS (K)	0.0	0.0	0.0	1.00	0.0	0.0	0.0
SPECIFIC LOADS (S)	0.0	0.0	0.0	1.00	0.0	0.0	0.0
NONCOINCIDENTAL (N)	0.0	0.0	0.0	0.00	0.0	0.0	0.0
DWELLING (D)	0.0	0.0	0.0	0.65	0.0	0.0	0.0
TOTAL DEMAND (KVA)					0.3	0.3	0.6
TOTAL (A/PH)					2.3	2.3	2.3

NOTES:

** Electrical contractor is responsible for balancing the panel loading.

Updated: 9/21/2022 13:22



NOTE: ASSUMED AVAILABLE FAULT CURRENT AT UTILITY TRANSFORMER IS 6,100AIC.

NEW ELECTRICAL SERVICE 'MP1' ONE-LINE DIAGRAM

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APPROXIMATE STA. 201+05.26, 28.3L



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**US 6 & HILLCREST ROUNDABOUT
LIGHTING PLANS
SCHEDULES**

Designer: GJA
 Detailer: ART
 Sheet Subset: LIGHTING

STRUCTURE
 NUMBERS

LS-02

PROJECT NO./CODE

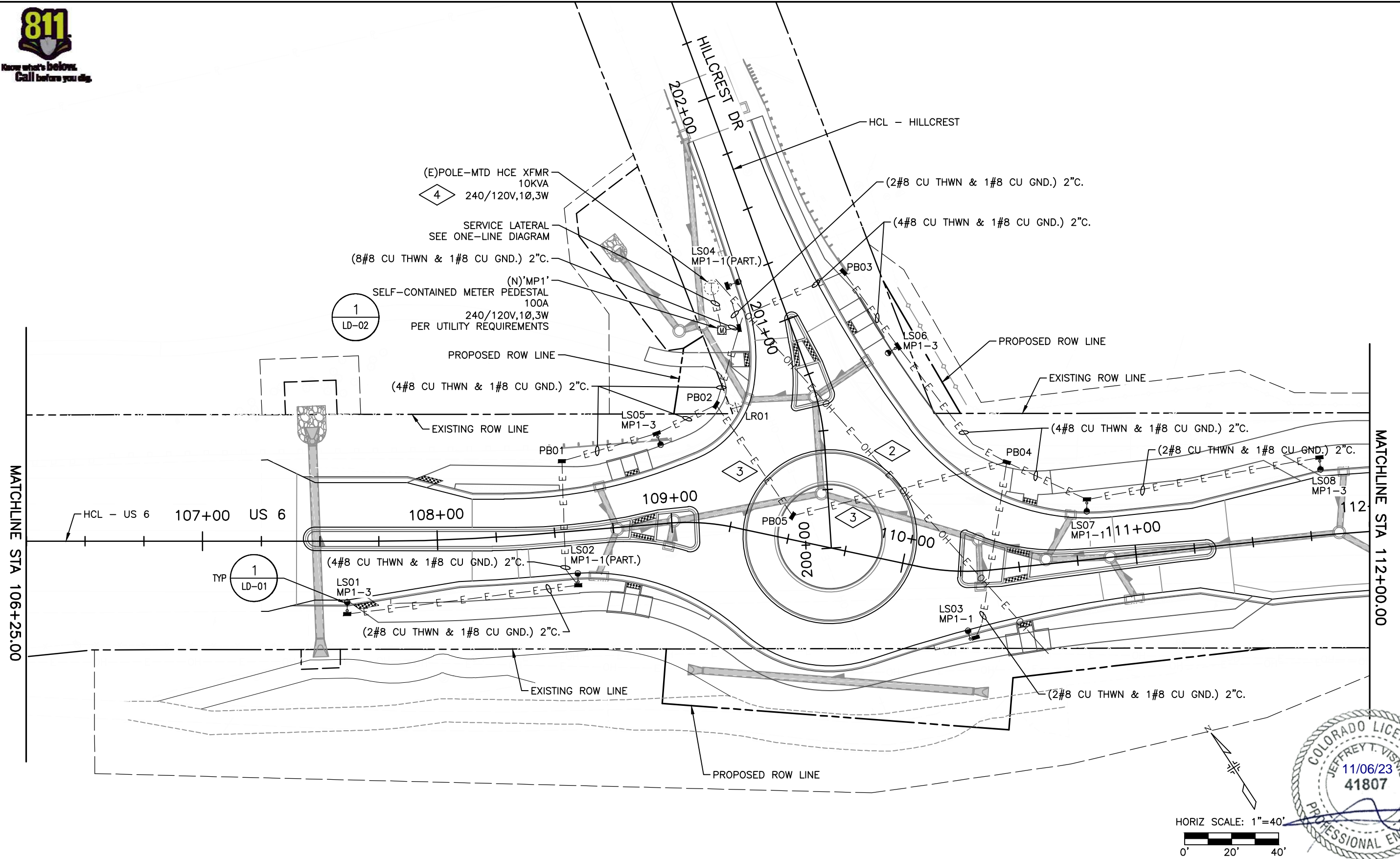
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Call before you dig.



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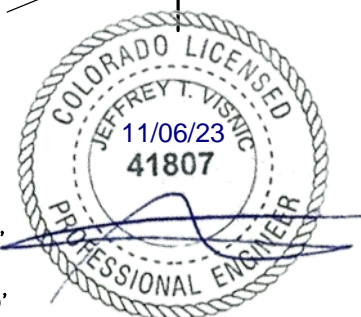
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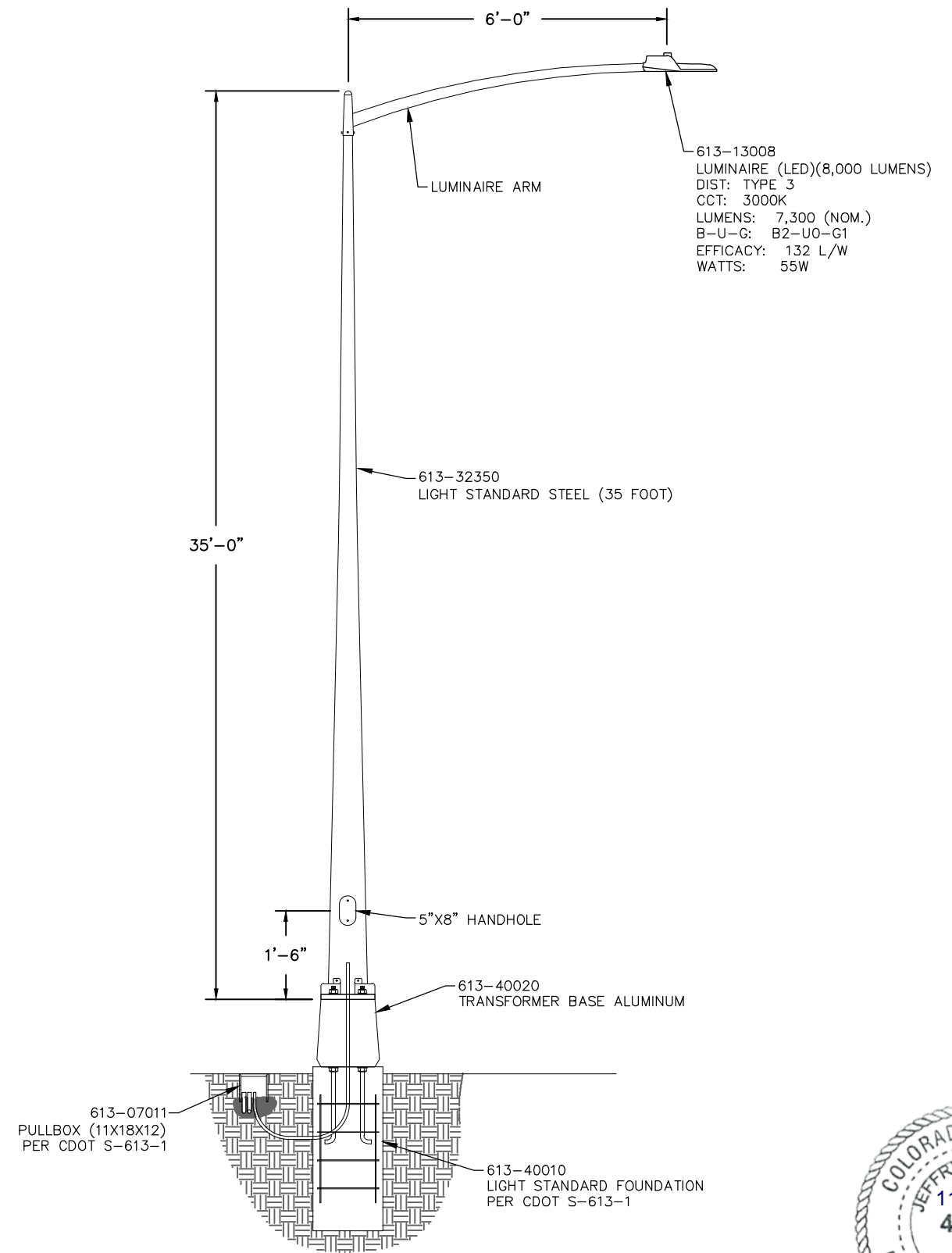
**US 6 & HILLCREST ROUNDABOUT
 LIGHTING PLANS
 STA 106+25 TO STA 112+00**

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STRUCTURE NUMBERS
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PROJECT NO./CODE
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TYPICAL STREET LIGHT DETAIL 1
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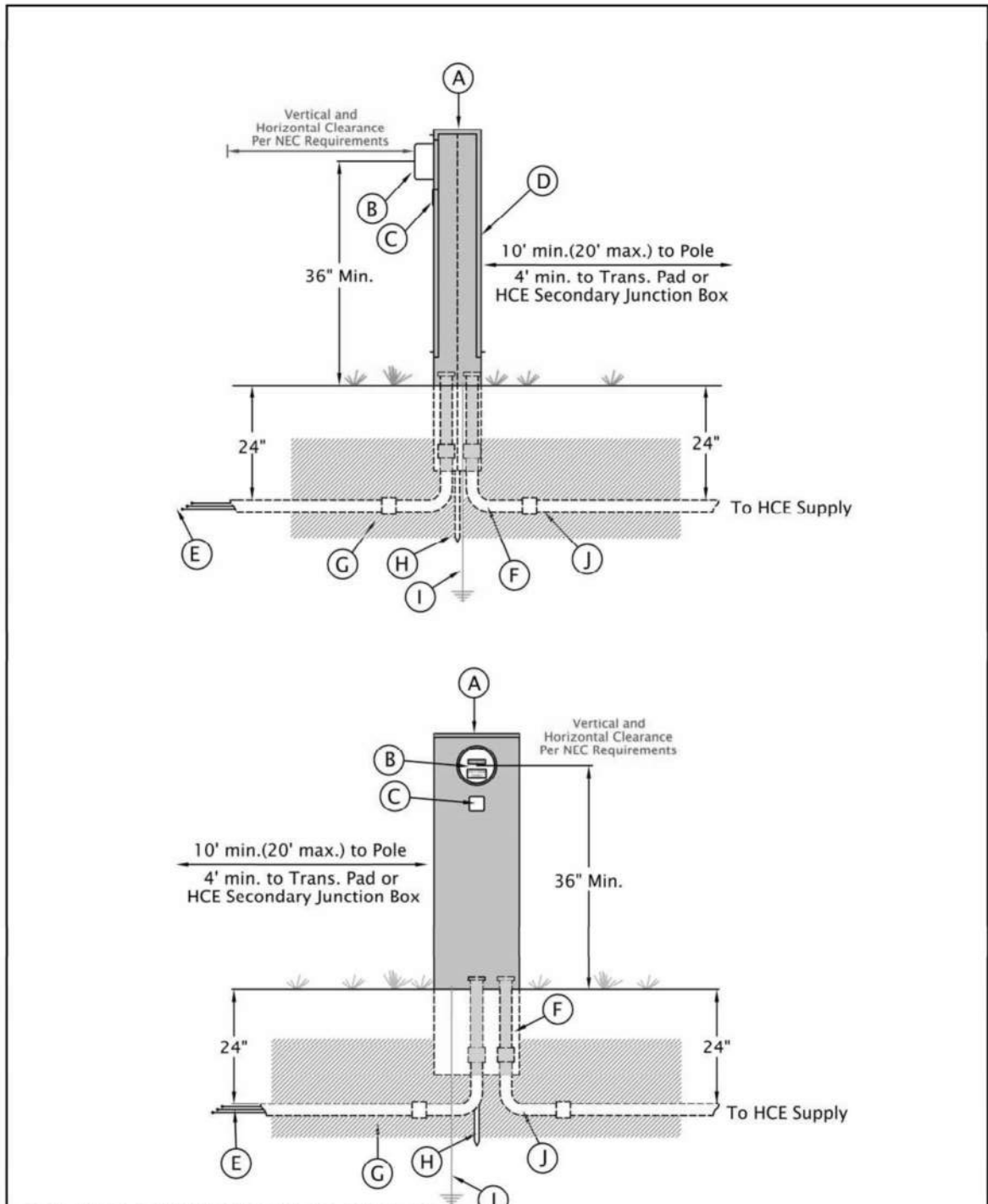
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US 6 & HILLCREST ROUNDABOUT
 LIGHTING PLANS
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PROJECT NO./CODE
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SEE EXPLANATION ON PAGE 8.20

 METER & DESIGN SPECIFICATIONS	METER PEDESTAL FED FROM UNDERGROUND/ OVERHEAD TRANSFORMER	PAGE # 8.21
	DATE: MAY 1, 2001 REVISED: MARCH 2019	

METER PEDESTAL

General Notes

- All meter pedestals shall be equipped with a lever handle locking jaw type bypass.
- Multiple meter pedestals shall not be wired in series.
- Meter pedestals shall not be installed in front of a padmounted transformer.

Illustration Notes

- One position meter pedestal assembly illustrated. Two, three, and four position units similar.
- Meter supplied and installed by Holy Cross Energy.
- Circuit breaker access door.
- Line side termination access door. Appropriate quantity of set screw termination lugs included with assembly (one per each meter position). Must have provisions for Holy Cross Energy seal. The sealing means shall provide for Holy Cross Energy seal and/or key type padlock (5/16" diameter shackle).
- Service lateral cables, per NEC requirements.
- Conduits shall be continuous in length from the meter pedestal to the transformer or Holy Cross Energy secondary junction box and shall not contain any junction boxes, vaults, condulets, (LB's) or similar devices. Service lateral conductors shall be sized to limit the voltage drop to 3% between Holy Cross Energy transformers and electric meters. See voltage drop charts in the Appendix Tables.
- Due to the rocky conditions of the soil in our service territory, Holy Cross Energy strongly recommends installing all underground service laterals beyond electric meter in conduit. If direct buried, however, three feet of slack is recommended in secondary cable below ground with six inches of sand or rock free dirt above and below secondary cable along the entire length of trench.
- Pedestal support stake, included with pedestal assembly.
- Grounding electrode, per NEC requirements, shall be furnished and installed by the consumer.
- GRC, EMT, Schedule 80 PVC above grade, GRC, Schedule 40 or 80 PVC below grade.



RISER MATERIAL SHOPPING LIST

At a minimum, the following riser material shall be provided by the member and be installed by Holy Cross Energy:

- Riser Pipe (Everything exposed to sunlight shall be PVC, Schedule 80, or EMT.)
- Slip Sleeve (Refer to page 8.58).
- Unistrut style 6" standoff brackets (3-5 depending on the height of the pole).
- Unistrut style conduit straps, sized for the pipe provided.
- 3/8" x 3" lag screws, quantity to accommodate the standoff brackets.
- Weatherhead, sized for pipe provided.
- Glue, if using PVC.
- Appropriately sized conductor to reach the lugs on the transformer, while also providing a drip loop.



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	Sheet Subset: LIGHTING		LD-02 75																				

UTILITY CONTACT LIST

UTILITY COMPANY	CONTACT NAME	TELEPHONE	E-MAIL
BLACK HILLS ENERGY - DISTRIBUTION (BHE)	MARK FADICK	970-914-8326	MARK.FADICK@BLACKHILLSCORP.COM
BLACK HILLS ENERGY - DISTRIBUTION (BHE)	TANNER HARRIS	970-390-5481	TANNER.HARRIS@BLACKHILLSCORP.COM
BLACK HILLS ENERGY - TRANSMISSION (BHE)	KACEE ROGERS (PRIMARY)	970-712-6550	KACEE.ROGERS@BLACKHILLSCORP.COM
BLACK HILLS ENERGY - DISTRIBUTION AND TRANSMISSION (BHE)	TOM WARNES	970-989-7053	THOMAS.WARNES@BLACKHILLSCORP.COM
COMCAST	AARON RUDD	720-708-8902	AARON_RUDD@COMCAST.COM
EAGLE RIVER WATER AND SANITATION DISTRICT (ERWSD)	NIKO NEMCANIN	970-471-1084	NNEMCANIN@ERWSD.ORG
EAGLE RIVER WATER AND SANITATION DISTRICT (ERWSD)	JEFF SCHNEIDER	970-477-5415	JSCHNEIDER@ERWSD.ORG
HOLY CROSS ENERGY (HCE)	TODD FORAL	970-748-4307	TFORAL@HOLYCROSS.COM
LUMEN	JASON SHARPE	970-328-8290	JASON.SHARPE@LUMEN.COM

UTILITY NOTES

- UTILITIES ARE DEPICTED ON THESE PLANS IN ACCORDANCE WITH THEIR ACHIEVED QUALITY LEVELS AS DEFINED IN THE AMERICAN SOCIETY OF CIVIL ENGINEERS DOCUMENT ASCE 38-02, STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA. LOCATION OF EXISTING UTILITIES IS DEPICTED ACCORDING TO THE BEST AVAILABLE INFORMATION AND REPRESENT CONDITIONS AT THE TIME OF DATA COLLECTION. THESE PLANS DO NOT RELIEVE THE CONTRACTOR FROM FOLLOWING ALL APPLICABLE UTILITY DAMAGE PREVENTION STATUTES AND PROCEDURES DURING EXCAVATION. ALL PREVENTION SHALL BE BORNE BY THE CONTRACTOR AND SHALL BE COMPLETED PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- QUALITY LEVELS DEPICTED ON THESE PLANS ARE BASED ON THE QUALITY LEVEL B INVESTIGATION CONDUCTED IN JULY 2020 AND THE QUALITY LEVEL A INVESTIGATIONS CONDUCTED IN APRIL, MAY AND JULY 2022 BY SAM, LLC. SEE SUBSURFACE UTILITY INVESTIGATION DATED AUGUST 11, 2022 FOR MORE INFORMATION.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO SUBSECTION 105.11 OF THE STANDARD SPECIFICATIONS CONCERNING UTILITIES. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH UTILITY OWNERS IN THEIR REMOVAL, ADJUSTMENT, AND/OR RELOCATION OPERATIONS SO THAT THE UTILITY WORK CAN BE ACCOMPLISHED WITHOUT IMPACTING THE CONSTRUCTION SCHEDULE.
- THE CONTRACTOR SHALL COMPLY WITH ARTICLE 1.5 OF TITLE 9, CRS ("EXCAVATION REQUIREMENTS") WHEN EXCAVATING OR GRADING IS PLANNED IN THE AREA OF UNDERGROUND UTILITY FACILITIES. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITIES AT LEAST TWO (2) BUSINESS DAYS, NOT INCLUDING THE ACTUAL DAY OF NOTICE, PRIOR TO COMMENCING SUCH OPERATIONS. THE CONTRACTOR SHALL CONTACT COLORADO 811 AT 811 OR 1-800-922-1987, TO HAVE LOCATIONS OF REGISTERED LINES MARKED BY MEMBER COMPANIES. ALL OTHER UNDERGROUND FACILITIES SHALL BE LOCATED BY CONTACTING THE RESPECTIVE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES BY POTHOLING AS NECESSARY TO ENSURE THE UTILITIES WILL NOT BE IMPACTED BY CONSTRUCTION ACTIVITIES AND THAT THE REQUIRED SEPARATION BETWEEN EXISTING UTILITIES AND PROPOSED IMPROVEMENTS IS MET. THE CONTRACTOR SHALL OBTAIN THE PROJECT ENGINEER'S APPROVAL PRIOR TO PERFORMING ANY POTHOLES.
- THE CONTRACTOR IS RESPONSIBLE FOR NOTING ALL UTILITY LOCATIONS ON THE AS-BUILT SET OF DRAWINGS IF THE DOCUMENTS ARE NOT ACCURATE.
- ALL UNDERGROUND UTILITIES INSTALLED FOR THIS PROJECT SHALL BE ELECTRONICALLY LOCATABLE IN ACCORDANCE WITH ARTICLE 1.5 OF TITLE 9, CRS.
- ALL UTILITIES ARE TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
- ALL UTILITY WORK SHOWN ON PLANS BY CONTRACTOR UNLESS OTHERWISE NOTED.

UTILITY LEGEND

QUALITY LEVEL D

- E(D) --- E(D) --- E(D) --- E(D) --- EXISTING ELECTRIC
- FO(D) --- FO(D) --- FO(D) --- FO(D) --- EXISTING FIBER OPTIC
- G(D) --- G(D) --- G(D) --- G(D) --- EXISTING GAS
- T(D) --- T(D) --- T(D) --- T(D) --- EXISTING TELEPHONE
- SS(D) --- SS(D) --- SS(D) --- SS(D) --- EXISTING SANITARY SEWER
- STM(D) --- STM(D) --- STM(D) --- STM(D) --- EXISTING STORM
- TV(D) --- TV(D) --- TV(D) --- TV(D) --- EXISTING CABLE TELEVISION
- W(D) --- W(D) --- W(D) --- W(D) --- EXISTING WATER

QUALITY LEVEL C

- SS(C) --- SS(C) --- SS(C) --- SS(C) --- EXISTING SANITARY
- STM(C) --- STM(C) --- STM(C) --- STM(C) --- EXISTING STORM

QUALITY LEVEL B

- E(B) --- E(B) --- E(B) --- E(B) --- EXISTING UNDERGROUND ELECTRIC
- FO(B) --- FO(B) --- FO(B) --- FO(B) --- EXISTING FIBER OPTIC
- G(B) --- G(B) --- G(B) --- G(B) --- EXISTING GAS
- T(B) --- T(B) --- T(B) --- T(B) --- EXISTING TELEPHONE
- UNK(B) --- UNK(B) --- UNK(B) --- UNK(B) --- EXISTING UNKNOWN
- W(B) --- W(B) --- W(B) --- W(B) --- EXISTING WATER

ABOVE-GROUND/SURFACE UTILITIES

- OHE --- OHE --- OHE --- OHE --- EXISTING OVERHEAD ELECTRIC
- FO --- OH --- FO --- OH --- EXISTING OVERHEAD FIBER OPTIC
- EXISTING ELECTRIC BOX
- EXISTING ELECTRIC LIGHT POLE
- EXISTING ELECTRIC METER
- EXISTING ELECTRIC SWITCH
- EXISTING FIBER OPTICS BOX
- EXISTING FIRE HYDRANT
- EXISTING GAS TEST STATION
- EXISTING GAS VALVE
- EXISTING POWER POLE
- EXISTING SANITARY CLEANOUT
- EXISTING SANITARY MANHOLE
- EXISTING STORM INLET
- EXISTING STORM MANHOLE
- EXISTING TELEPHONE MISC
- EXISTING TELEPHONE PEDESTAL
- EXISTING CABLE TELEVISION MISC
- EXISTING CABLE TELEVISION PEDESTAL
- EXISTING WATER VALVE

QUALITY LEVEL A

- TEST HOLE

PROPOSED UTILITIES

- E --- OH --- E --- OH --- PROPOSED OVERHEAD ELECTRIC
- OH --- FO --- OH --- FO --- OH --- PROPOSED OVERHEAD FIBER OPTIC
- PROPOSED GAS TEST STATION
- PROPOSED GUY WIRE
- PROPOSED POWER POLE
- PROPOSED REMOVAL
- PROPOSED STORM
- PROPOSED STORM INLET
- PROPOSED STORM MANHOLE
- PROPOSED FLARED END SECTION
- PROPOSED SANITARY INSULATION



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				VOID:	DETAILER: GAB	SHEET SUBSET: UTILITY

TEST HOLE TABLE

TEST HOLE	STATION/OFFSET	OWNER	UTILITY TYPE	SIZE AND TYPE OF PIPE	GROUND ELEVATION (FT)	ELEVATION AT TOP OF PIPE (FT)	ELEVATION AT BOTTOM OF PIPE (FT)	DEPTH TO TOP OF PIPE (FT)	DEPTH TO BOTTOM OF PIPE (FT)
TH-01	107+56 RT	BLACK HILLS ENERGY	GA5	6" STEEL COATED	7138.67	7130.17	7129.67	8.50	9.00
TH-03	200+46 RT	LUMEN	COMMUNICATION	1 X 1" AND 1 X .5" DIRECT BURIED CABLE	7138.74	7132.62	7132.50	6.12	6.25
TH-04	110+07 LT	BLACK HILLS ENERGY	GAS	DNF	7140.16	DNF AT 7130.80	DNF	DNF AT 9.36	DNF
TH-04A	110+07 LT	BLACK HILLS ENERGY	GAS	6" STEEL CASING	7140.13	7130.76	7130.26	9.37	9.87
TH-05	110+07 RT	BLACK HILLS ENERGY	GAS	12" STEEL COATED	7135.85	7133.15	7132.15	2.70	3.70
TH-06	111+09	LUMEN	COMMUNICATION	4" PLASTIC	7140.47	7135.55	7131.43	4.92	9.04
TH-07	110+97 RT	LUMEN	COMMUNICATION	DNF	7139.95	DNF AT 7133.32	DNF	DNF AT 6.63	DNF
TH-07A	11.0+80 RT	LUMEN	COMMUNICATION	DNF	7140.03	DNF AT 7132.53	DNF	DNF AT 7.50'	DNF
TH-09	200+75 RT	BLACK HILLS ENERGY	GA5	2" PLASTIC	7137.38	7131.32	7127.20	6.06	10.18
TH-10	109+69 RT	ERW5D	WATER	12" STEEL WRAPPED	7136.88	7128.44	7124.32	8.44	12.56

NOTES:

1. TH-01 THROUGH TH-07A COMPLETED IN APRIL AND MAY, 2022. TH-09 AND TH-10 COMPLETED IN JULY 2022.
2. SEE SUBSURFACE UTILITY PLANS FOR MORE INFORMATION
3. DNF = DID NOT FIND

UTILITY TABULATION




ITEM NUMBER			202-04005	203-00000	203-00010	210-04010	210-04050	304-01005	619-00004	700-90050	950-00502
LOCATION			CLEAN VALVE BOX	UNCLASSIFIED EXCAVATION	UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE)	ADJUST MANHOLE	ADJUST VALVE BOX	AGGREGATE BASE COURSE (CLASS 1)	INSULATION BOARD	F/A RELOCATE	UTILITY WORK
APX STATION START	APX STATION END	ALIGNMENT	EA	CY	CY	EA	EA	CY	SF	LS	LS
107+25 RT	108+15 RT	US6			100			100	2400		
107+50 RT		US6			1.7			1.7			
107+60 RT	110+55 RT	US6								1	
109+35 LT	109+75 LT	US6		63							
110+05 LT		US6			0.3			0.3			
110+55 RT		US6	1				1				
113+70 LT		US6				1					
200+75 RT		HILLCREST DR									1
201+35 LT		HILLCREST DR							288		
201+65 RT		HILLCREST DR				1					
TOTAL ESTIMATE			1	63	102	2	1	102	2688	1	1

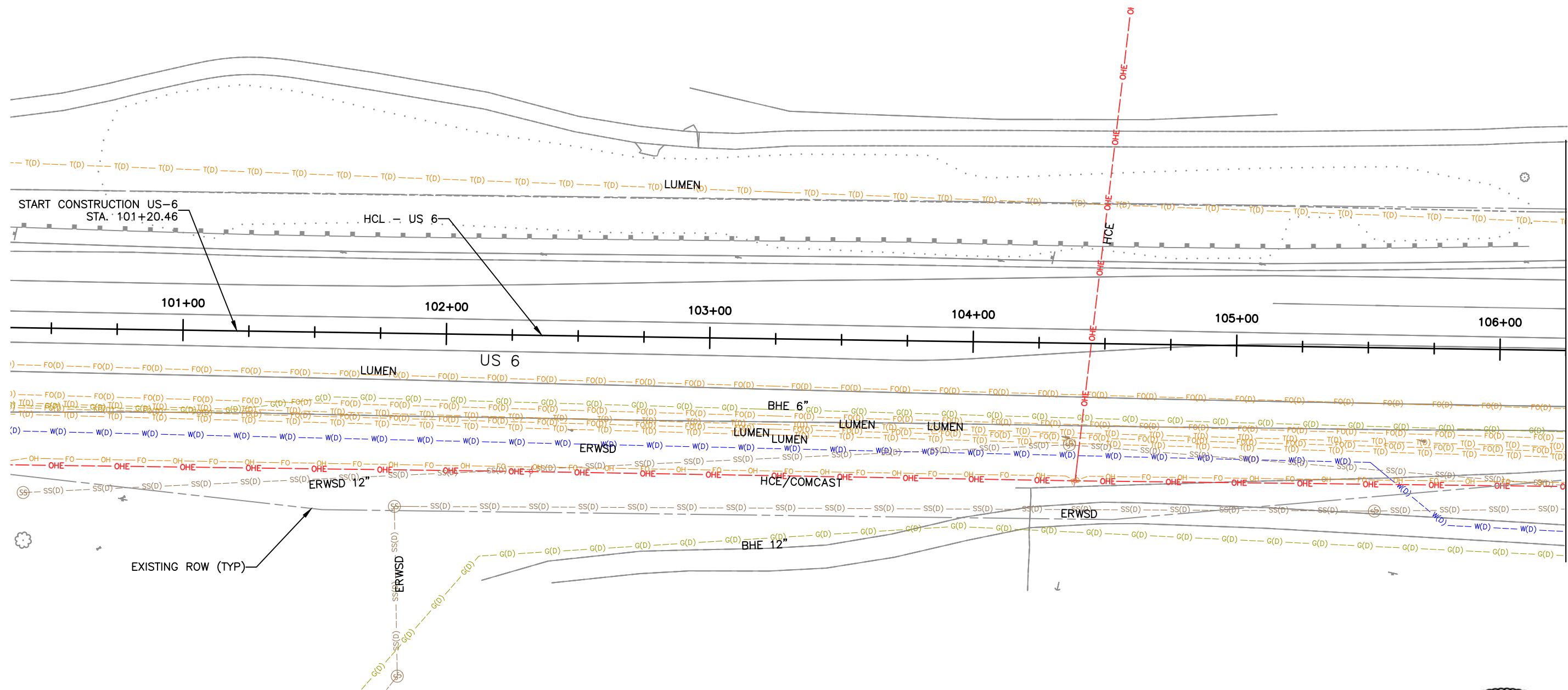
NOTES:

- 203-00010 FOR EXTRA EXCAVATION FOR GAS LINE COVER AND SANITARY SEWERS.
 203-00000 FOR EXTRA EXCAVATION FOR LUMEN ADJUSTMENT. LUMEN CONTRACTOR TO BACKFILL WITH THEIR OWN MATERIAL.
 304-01005 FOR BEDDING MATERIAL PLACED ABOVE GAS LINES AT SOME STORM CROSSINGS, ABOVE LUMEN ADJUSTMENT, INSIDE SANITARY SEWER INSULATION, AND ABOVE SHALLOW SANITARY SEWER.
 619-00000 ASSUMES 2-INCH RIGID INSULATION BOARD THAT MEETS ERWSD SPECIFICATIONS.
 950-00502 FOR EXTRA EXCAVATION FOR GAS TEST STATION RELOCATION

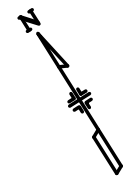


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FILE NAME: 46733-US6_EAGLE-UL GA.DWG	AD PLAN SET		NO. REVISIONS:			118339-01
HORIZ. SCALE: N/A VERT. SCALE: N/A			DESIGNER: ETR	STRUCTURE NUMBERS		
 FELSBURG HOLT & ULLEVIG	 GOODBEE & ASSOCIATES, INC.		DETAILER: GAB			
			VOID:	SHEET SUBSET: UTILITY	SHEET SUBSET: UT-02 OF 6	77



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0' 20' 40'



PRINT DATE: 10/31/2023 2:31 PM	Sheet Status
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	AD PLAN SET



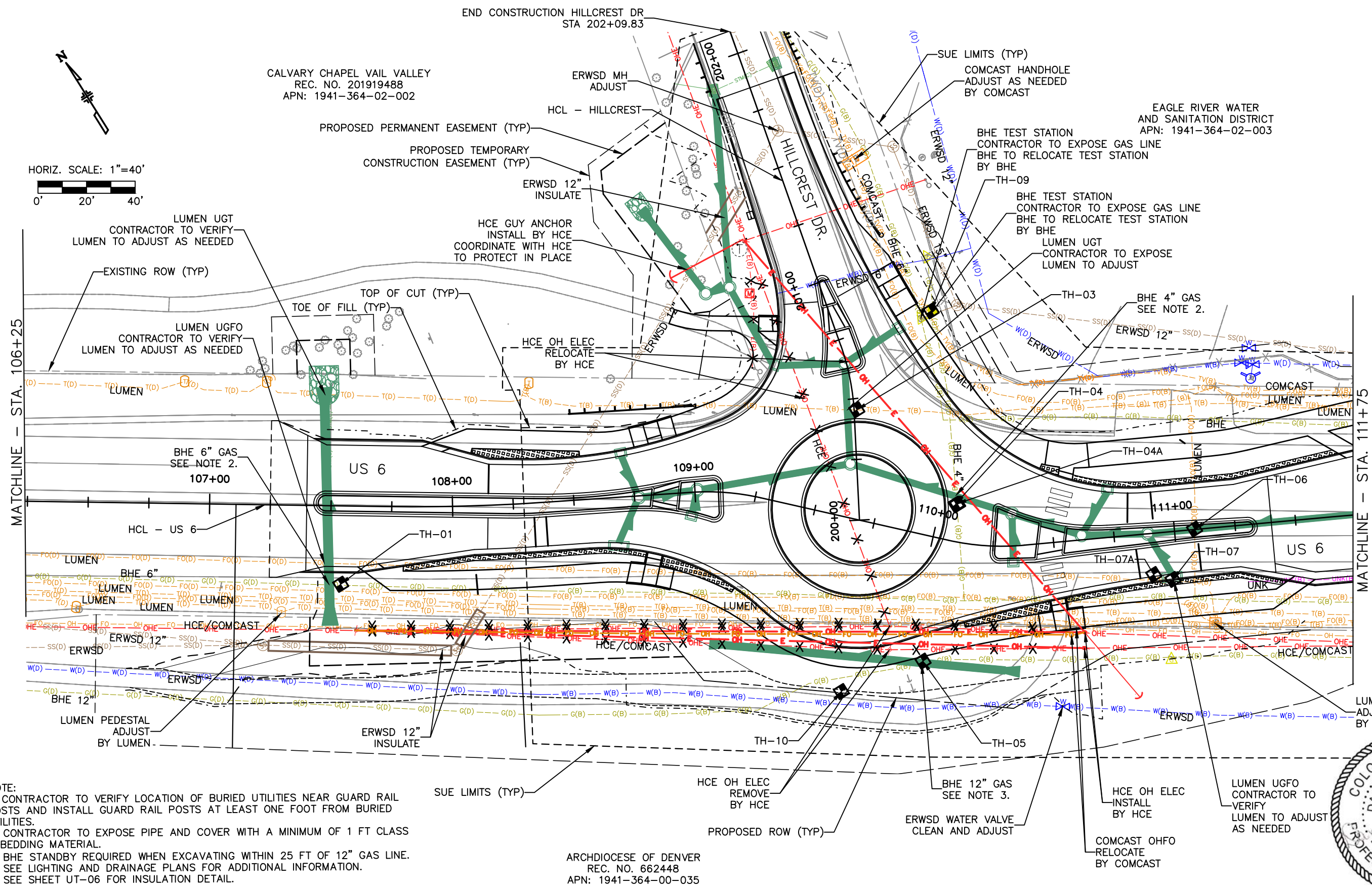
ENGINEERING
P.O. BOX
500 BROADWAY
EAGLE, CO 81631

AS CONSTRUCTED	US 6 & HILLCREST ROUNDABOUT UTILITY PLANS		PROJECT NO./CODE
NO. REVISIONS:	STA. 101+00 TO STA. 106+25		118339-01
REVISED:	DESIGNER: ETR	STRUCTURE NUMBERS	
VOID:	DETAILER: GAB	SHEET SUBSET: UTILITY	78
	SHEET SUBSET: UTILITY	SHEET SUBSET: UT-03 OF 6	



CALVARY CHAPEL VAIL VALLEY
REC. NO. 201919488
APN: 1941-364-02-002

EAGLE RIVER WATER
AND SANITATION DISTRICT
APN: 1941-364-02-003

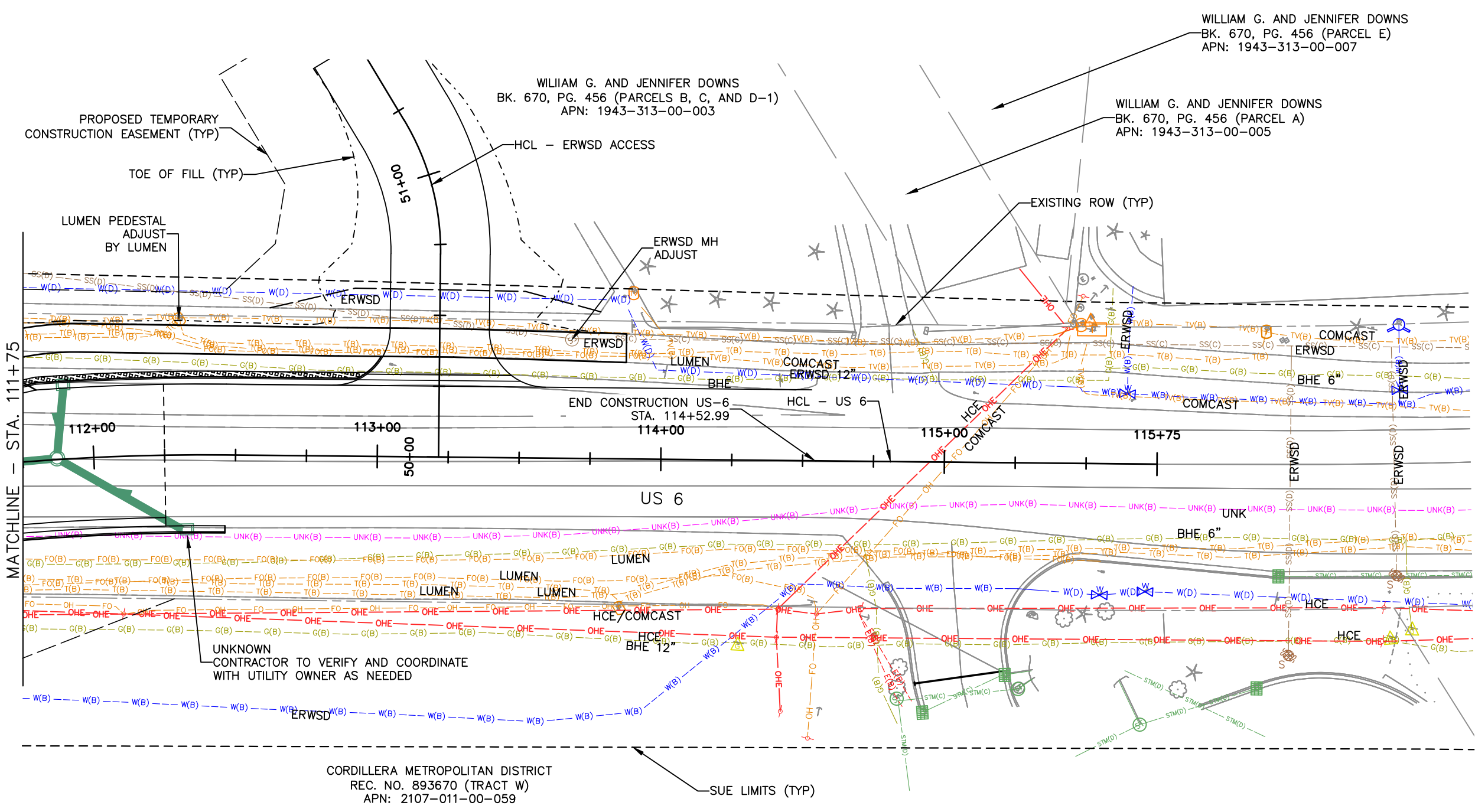


- NOTE:
1. CONTRACTOR TO VERIFY LOCATION OF BURIED UTILITIES NEAR GUARD RAIL POSTS AND INSTALL GUARD RAIL POSTS AT LEAST ONE FOOT FROM BURIED UTILITIES.
 2. CONTRACTOR TO EXPOSE PIPE AND COVER WITH A MINIMUM OF 1 FT CLASS B BEDDING MATERIAL.
 3. BHE STANDBY REQUIRED WHEN EXCAVATING WITHIN 25 FT OF 12" GAS LINE.
 4. SEE LIGHTING AND DRAINAGE PLANS FOR ADDITIONAL INFORMATION.
 5. SEE SHEET UT-06 FOR INSULATION DETAIL.

ARCHDIOCESE OF DENVER
REC. NO. 662448
APN: 1941-364-00-035

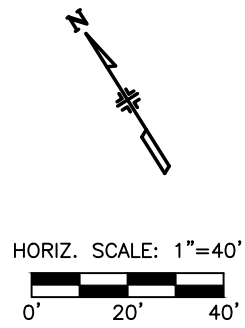


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FILE NAME: 46733-US6_EAGLE-UL GA.DWG				NO. REVISIONS:		118339-01
HORIZ. SCALE: 1" = 40' VERT. SCALE: N/A	AD PLAN SET			REVISED:	DESIGNER: ETR	STRUCTURE NUMBERS
				VOID:	DETAILER: GAB	
				SHEET SUBSET: UTILITY	SHEET SUBSET: UT-04 OF 6	79



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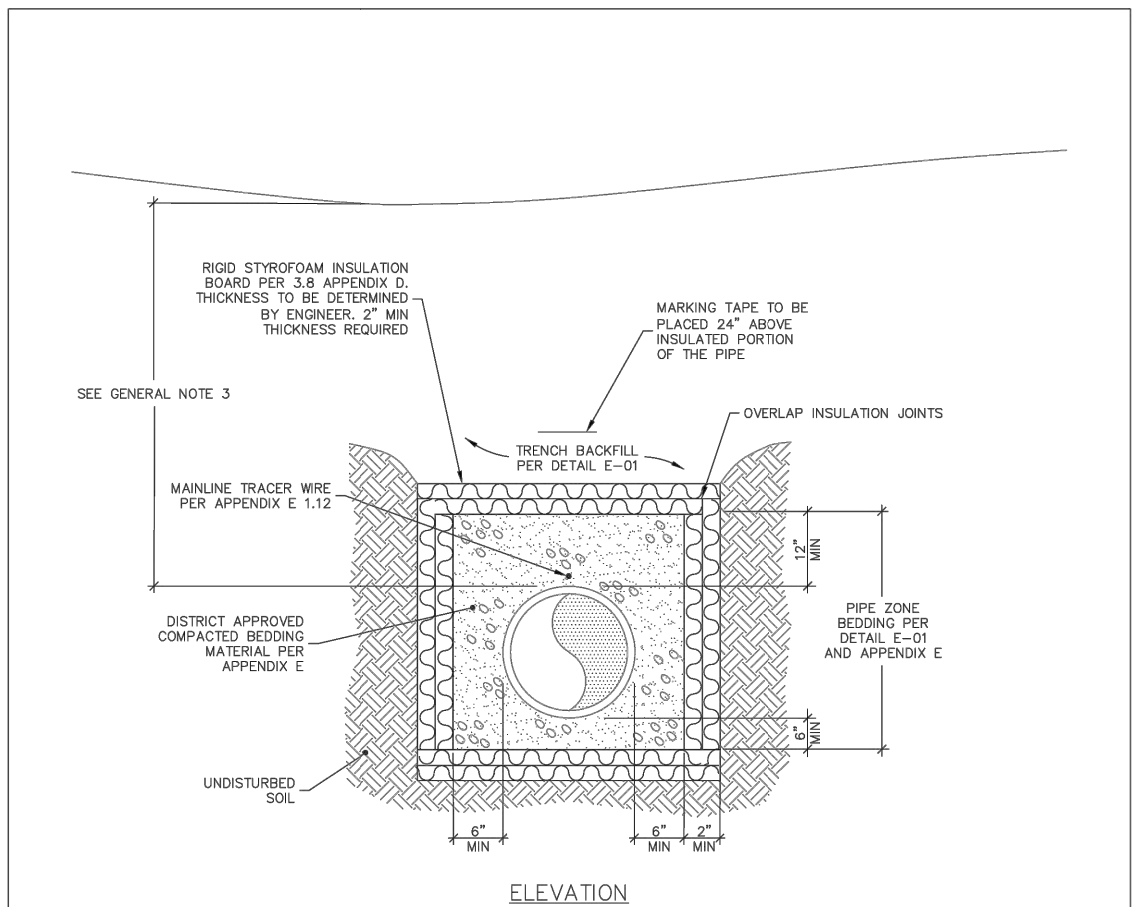
NOTE:
1. SEE DRAINAGE PLANS FOR ADDITIONAL INFORMATION.



PRINT DATE: 10/31/2023 2:31 PM FILE NAME: 46733-US6_EAGLE-UL GA.DWG HORIZ. SCALE: 1" = 40' VERT. SCALE: N/A	Sheet Status AD PLAN SET		ENGINEERING P.O. BOX 500 BROADWAY EAGLE, CO 81631	AS CONSTRUCTED NO. REVISIONS: REVISED: VOID:	US 6 & HILLCREST ROUNDABOUT UTILITY PLANS STA 111+75 TO STA 115+75 DESIGNER: ETR DETAILER: GAB SHEET SUBSET: UTILITY STRUCTURE NUMBERS SHEET SUBSET: UT-05 OF 6	PROJECT NO./CODE 118339-01 80
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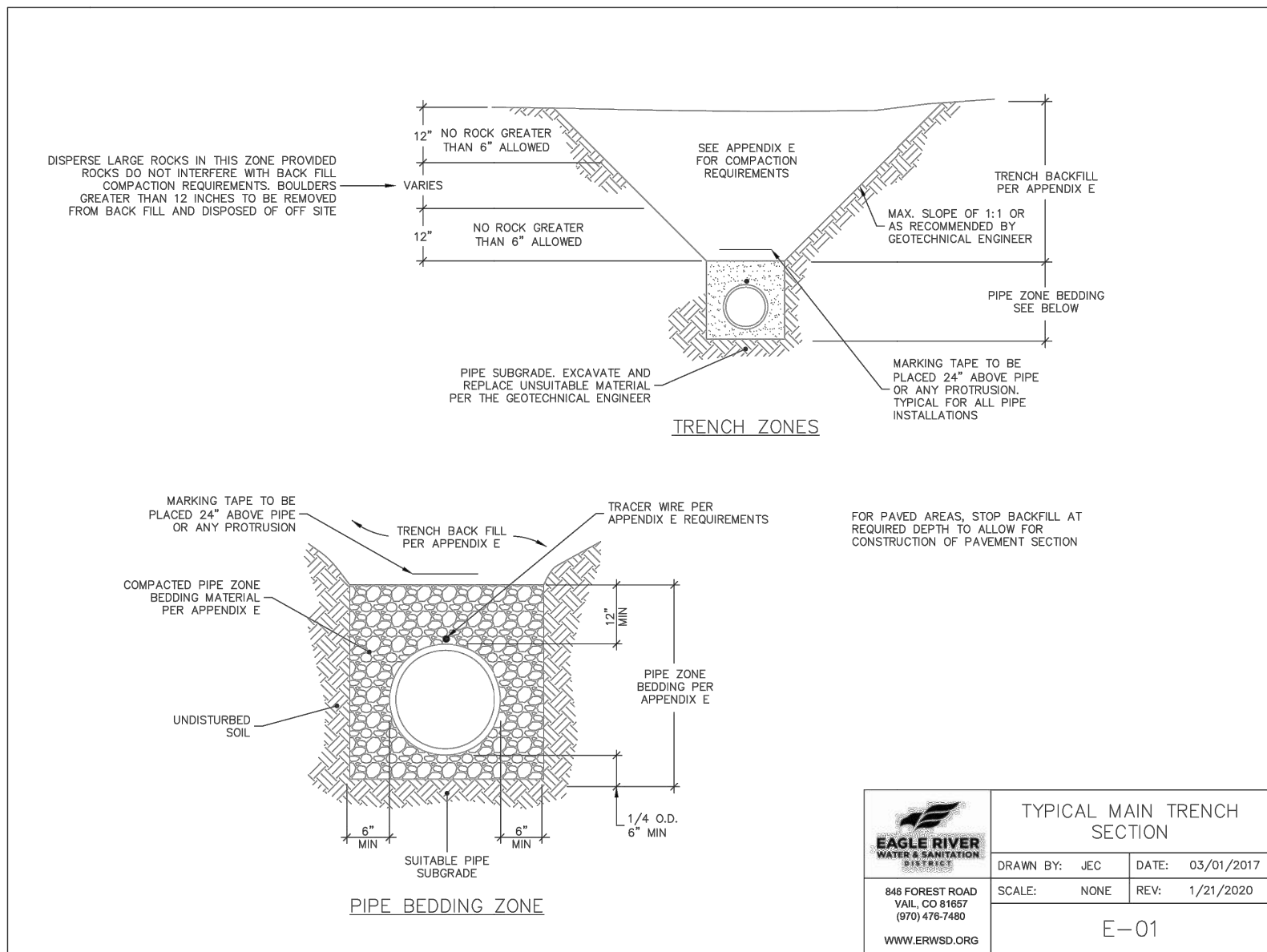
INSULATION AND MANHOLE DETAILS



GENERAL NOTES

- CONDITION OF LESS THAN MINIMUM BURY DEPTH IS ALLOWED ONLY WITH WRITTEN APPROVAL FROM THE DISTRICT PRIOR TO CONSTRUCTION. INSULATION SHALL BE INSTALLED ON ALL PIPE THAT DOES NOT MEET MINIMUM BURY REQUIREMENTS.
- THE USE OF INSULATION MUST BE APPROVED BY THE DISTRICT PRIOR TO INSTALLATION.
- INSULATION SHALL BE INSTALLED ON ALL PIPES THAT DO NOT HAVE A MINIMUM OF 4.5' OF EFFECTIVE COVER. EFFECTIVE COVER SHALL BE DEFINED AS SEPARATION FROM COLD AIR SOURCES, INCLUDING STORM SEWERS. 1" OF INSULATION BOARD MAY BE SUBSTITUTED FOR EACH 1' OF SOIL COVER (MINIMUM 2" OF INSULATION) REQUIRED TO MEET THE MINIMUM COVER REQUIREMENT.
- INSULATION SHALL BE DOW HIGHLOAD 100, OWENS CORNING FOAMULAR 1000, OR APPROVED EQUAL. HIGH COMPRESSIVE STRENGTH FOAM BOARD INSULATION IS REQUIRED WITHIN ALL RIGHT OF WAY AND PAVED AREAS.

		846 FOREST ROAD VAIL, CO 81657 (970) 476-7480 WWW.ERWSD.ORG
SEWER PIPE INSULATION DETAIL		
DRAWN BY: JEC	DATE: 03/01/2017	
SCALE: NONE	REV: 1/21/2020	
D-10		



	TYPICAL MAIN TRENCH SECTION	
	DRAWN BY: JEC	DATE: 03/01/2017
846 FOREST ROAD VAIL, CO 81657 (970) 476-7480 WWW.ERWSD.ORG	SCALE: NONE	REV: 1/21/2020
E-01		



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			DESIGNER: ETR DETAILER: GAB SHEET SUBSET: UTILITY	STRUCTURE NUMBERS SHEET SUBSET: UT-06 OF 6		

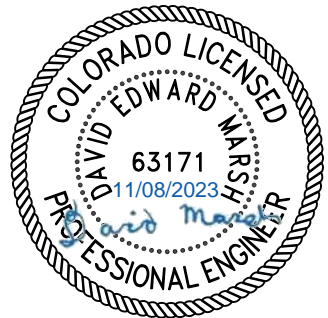


SUMMARY OF SIGNING AND STRIPING QUANTITIES



ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY
202-00250	REMOVAL OF PAVEMENT MARKINGS	SF	2689
202-00810	REMOVAL OF GROUND SIGN	EACH	2
210-00810	RESET GROUND SIGN	EACH	1
503-00018	DRILLED SHAFT (18 INCH)	LF	54
613-50375	SOLAR COLLECTION SYSTEM	EACH	9
614-00011	SIGN PANEL (CLASS I)	SF	243
614-01585	STEEL SIGN SUPPORT (2-1/2 INCH ROUND SCH 80) (POST)	LF	218
614-01588	STEEL SIGN SUPPORT (2-1/2 INCH ROUND SCH 80) (SLIPBASE)	EACH	23
614-72860	PEDESTRIAN PUSH BUTTON	EACH	9
614-80003	RECTANGULAR RAPID FLASHING BEACON	EACH	12
614-84000	TRAFFIC SIGNAL PEDESTAL POLE STEEL	EACH	9
627-00008	MODIFIED EPOXY PAVEMENT MARKING	GAL	33
627-30407	PREFORMED THERMOPLASTIC PAVEMENT MARKING (WORD-SYMBOL) (SPECIAL)	SF	48
627-30411	PREFORMED THERMOPLASTIC PAVEMENT MARKING (XWALK-STOPLINE) (SPECIAL)	SF	324

TABULATION OF PAVEMENT MARKING REMOVAL QUANTITIES

PLAN SHEET NUMBER	PAVEMENT MARKING DESCRIPTIONS	202-00250									
		REMOVAL OF PAVEMENT MARKING									
		CHANNELIZATION	CENTER	DOTTED LANE LINE	EDGE LINE	LANE LINE (LF)	LEFT TURN ARROW	RIGHT TURN ARROW	BIKE SYMBOL		
		WHITE SOLID (LF)	DBL. YELLOW (LF)	WHITE BROKEN (LF)	SOLID WHITE (LF)	WHITE BROKEN (LF)	WHITE SOLID	WHITE SOLID	WHITE SOLID		
DESCRIPTION	EA	8 INCH	4 INCH	8 INCH	6 INCH	4 INCH	SF (16.1 EA.)	SF (16.1 EA.)	SF (11.9 EA.)		
STA. 101+20 TO STA. 106+25 (SHEET SREM-01)	CHANNELIZATION LINE		70								
	DOUBLE YELLOW			1,010							
	EDGE LINE				1,010						
	LANE LINE					110					
	LEFT TURN ARROW	1					16.1				
STA. 106+25 TO STA. 111+75 (SHEET SREM-02)	CHANNELIZATION LINE		175								
	DOUBLE YELLOW			250							
	EDGE LINE				250						
	LANE LINE					75					
STA. 111+75 TO STA. 115+75 (SHEET SREM-03)	CHANNELIZATION LINE		350								
	DOUBLE YELLOW			555							
	DOTTED LANE LINE				275						
	EDGE LINE					635					
	RIGHT TURN ARROW	1						16.1			
	BIKE SYMBOL	2								23.8	
TOTAL SEGMENT LENGTH (LF)			595	1815	275	1895	185	-	-	-	
ACTUAL MARKING LENGTH (LF)			595	3630	92	1895	46	-	-	-	
TOTAL (SQ. FT.)			397	1210	62	948	16	16.1	16.1	23.8	
PROJECT TOTAL (SQ. FT.)										2689	



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				Detailer: DEM	NUMBERS			
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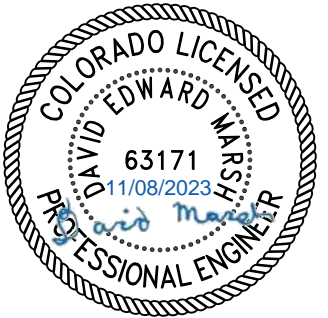


TABULATION OF PAVEMENT MARKING QUANTITIES



PLAN SHEET NUMBER	PAVEMENT MARKING DESCRIPTIONS	627-00008						627-30407	627-30411	
		MODIFIED EPOXY PAVEMENT MARKING (GAL)						PREFORMED THERMOPLASTIC PAVEMENT MARKING (WORD-SYMBOL) (SF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING (XWALK-STOPLINE) (SPECIAL) (SF)	
		BIKE LANE LINE	DOTTED LANE LINE	EDGE LINE		ENTRY LINE	CENTER	BIKE SYMBOL	XWALK (2'x9')	
		SOLID WHITE	WHITE BROKEN (LF)	SOLID WHITE	SOLID YELLOW	WHITE BROKEN (LF)	DBL. YELLOW (LF)	WHITE SOLID	WHITE SOLID	
DESCRIPTION	EA	6 INCH	8 INCH	6 INCH	6 INCH	8 INCH	4 INCH	SF (11.9 EA.)	SF (18.0 EA.)	
STA. 101+20 TO STA. 106+25 (SHEET SS-01)	BIKE LANE LINE		1010							
	DOUBLE YELLOW						1,010			
STA. 106+25 TO STA. 111+75 (SHEET SS-02)	BIKE LANE LINE		245							
	DOTTED LANE LINE			225						
	WHITE EDGE				75					
	YELLOW EDGE					555				
	ENTRY LINE						60			
	DOUBLE YELLOW							320		
	BIKE SYMBOL	2							23.8	
	XWALK (2'x9')	12								216
STA. 200+00 TO STA. 201+85 (SHEET SS-02)	WHITE EDGE			35						
	YELLOW EDGE				85					
	ENTRY LINE						30			
	DOUBLE YELLOW							185		
	XWALK (2'x9')	6								108
STA. 111+75 TO STA. 116+37 (SHEET SS-03)	BIKE LANE LINE		505							
	DOTTED LANE LINE			175						
	DOUBLE YELLOW						555			
	BIKE SYMBOL	2							23.8	
TOTAL SEGMENT LENGTH (LF)			1,760	400	110	640	90	2,070	-	-
ACTUAL MARKING LENGTH (LF)			1,760	133	110	640	45	4,140	-	-
TOTAL (SQ. FT.)			880	89	55	320	30	1,380	47.6	324
PROJECT TOTAL (SQ.FT.)			2,754						48	324
PROJECT TOTAL (GAL)			33						-	-

NOTES:

- 85 SF/GAL USED FOR EPOXY PAINT QUANTITY ESTIMATE.
- ALL CROSSWALK AND STOPLINE MARKINGS SHALL BE INLAID 90 MILS. GRINDING OF PAVEMENT SHALL BE INCLUDED WITH THE PAY ITEM.



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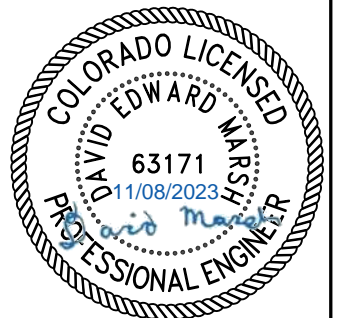
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				Detailer: DEM				
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TABULATION OF SIGNING QUANTITIES (1/2)

SIGN NUMBER	PLAN SHEET	STATION	SIGN DESIGNATION	BACKGROUND COLOR	Legend	SIGN PANEL SIZE W" x H"	202-00810	210-00810	503-00018	613-50375	614-00011	614-01585	614-01588	614-72860	614-80003	614-84000	
							REMOVAL OF GROUND SIGN	RESET GROUND SIGN	DRILLED SHAFT (18 INCH)	SOLAR COLLECTION SYSTEM	SIGN PANEL CLASS 1	STEEL SIGN SUPPORT (2-1/2 INCH ROUND SCH 80) (POST)	STEEL SIGN SUPPORT (2-1/2 INCH ROUND SCH 80) (SLIPBASE)	PEDESTRIAN PUSH BUTTON	RECTANGULAR RAPID FLASHING BEACON	TRAFFIC SIGNAL PEDESTAL POLE STEEL	
							EACH	EACH	LF	EACH	SF	LF	EACH	EACH	EACH	EACH	
1	SS-01	102+28	W3-5(35)	YELLOW	REDUCED SPEED LIMIT AHEAD	36 x 36					9	10	1				
2	SS-01	104+27	R2-1	WHITE	SPEED LIMIT (35)	24 x 30					5	9.5	1				
3A	SS-02	105+89	W2-8	YELLOW	ROUNDAABOUT WARNING	30 x 30					6.3	11	1				
3B			W13-1P	YELLOW	ADVISORY SPEED (20)	18 x 18						2.3					
4	NOT USED																
5	SS-02	107+45	R4-7	WHITE	KEEP RIGHT	24 x 30					5	9.5	1				
6A	SS-02	107+58	R3-17	WHITE	BIKE LANE	24 x 18					3						
6B			R3-17BP	WHITE	ENDS	24 x 8					1.3	10	1				
6C			SPECIAL	WHITE	USE RAMP (DIAGONAL ARROW)	30 x 8					1.7						
7A	SS-02	107+83	R3-17	WHITE	BIKE LANE	24 x 18					3						
7B			SPECIAL	WHITE	BEGIN	24 x 8					1.3	9.5	1				
8A	SS-02	108+75	W11-2	YELLOW	PEDESTRIAN CROSSING	30 x 30					6.3						
8B			W16-7P	YELLOW	DOWNWARD DIAGONAL LEFT ARROW	24 x 12			6	1		2		1	1	1	
9A	SS-02	108+95	W11-2	YELLOW	PEDESTRIAN CROSSING	30 x 30					6.3						
9B			W11-2	YELLOW	PEDESTRIAN CROSSING	30 x 30					6.3						
9C			W16-7P	YELLOW	DOWNWARD DIAGONAL RIGHT ARROW	24 x 12			6	1		2		1	2	1	
9D			W16-7P	YELLOW	DOWNWARD DIAGONAL RIGHT ARROW	24 x 12						2					
10A	SS-02	108+91	W11-2	YELLOW	PEDESTRIAN CROSSING	30 x 30					6.3						
10B			W16-7P	YELLOW	DOWNWARD DIAGONAL LEFT ARROW	24 x 12			6	1		2		1	1	1	
11	SS-02	108+95	R1-2	RED	YIELD	36 x 36 x 36					3.9	10.5	1				
12	SS-02	109+10	D1-D	GREEN	US-6 (DIAGONAL ARROW)	42 x 18					5.3	8.5	1				
13	SS-02	109+49	R6-4A	WHITE	ROUNDAABOUT DIRECTIONAL	48 x 24					8	7	1				
14	SS-02	200+80	R1-2	RED	YIELD	36 x 36 x 36					3.9	10.5	1				
15	SS-02	200+84	R1-1	RED	STOP						1						
16A	SS-02	201+29	W2-8	YELLOW	ROUNDAABOUT WARNING	30 x 30					6.3						
16B			W13-1P	YELLOW	ADVISORY SPEED (20)	18 x 18						2.3	11	1			
17A	SS-02	200+77	W11-2	YELLOW	PEDESTRIAN CROSSING	30 x 30					6.3						
17B			W16-7P	YELLOW	DOWNWARD DIAGONAL LEFT ARROW	24 x 12			6	1		2		1	1	1	
18A	SS-02	200+77	W11-2	YELLOW	PEDESTRIAN CROSSING	30 x 30					6.3						
18B			W11-2	YELLOW	PEDESTRIAN CROSSING	30 x 30					6.3						
18C			W16-7P	YELLOW	DOWNWARD DIAGONAL RIGHT ARROW	24 x 12			6	1		2		1	2	1	
18D			W16-7P	YELLOW	DOWNWARD DIAGONAL RIGHT ARROW	24 x 12						2					
SHEET TOTAL							1	0	30	5	125.1	107	11	5	7	5	

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FILE NAME: T118339-01TAB01.DWG				NO. REVISIONS:		118339-01
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TABULATION OF SIGNING QUANTITIES (2/2)

SIGN NUMBER	PLAN SHEET	STATION	SIGN DESIGNATION	BACKGROUND COLOR	Legend	SIGN PANEL SIZE W" x H"	202-00810	210-00810	503-00018	613-50375	614-00011	614-01585	614-01588	614-72860	614-80003	614-84000	
							REMOVAL OF GROUND SIGN	RESET GROUND SIGN	DRILLED SHAFT (18 INCH)	SOLAR COLLECTION SYSTEM	SIGN PANEL CLASS 1	STEEL SIGN SUPPORT (2-1/2 INCH ROUND SCH 80) (POST)	STEEL SIGN SUPPORT (2-1/2 INCH ROUND SCH 80) (SLIPBASE)	PEDESTRIAN PUSH BUTTON	RECTANGULAR RAPID FLASHING BEACON	TRAFFIC SIGNAL PEDESTAL POLE STEEL	
							EACH	EACH	LF	EACH	SF	LF	EACH	EACH	EACH	EACH	
19	SS-02	201+04	R4-7	WHITE	KEEP RIGHT	24 x 30					5	9.5	1				
20	SS-02	200+25	R6-4A	WHITE	ROUNDBABOUT DIRECTIONAL	48 x 24					8	7	1				
21A	SS-02	200+96	W11-2	YELLOW	PEDESTRIAN CROSSING	30 x 30					6.3						
21B			W16-7P	YELLOW	DOWNWARD DIAGONAL LEFT ARROW	24 x 12			6	1	2			1	1	1	
22	SS-02	200+67	D1-D	GREEN	HILLCREST DR (DIAGONAL ARROW)	66 x 18					8.3	8.5	1				
23	SS-02	109+85	R6-4A	WHITE	ROUNDBABOUT DIRECTIONAL	48 x 24					8	7	1				
24	SS-02	110+24	D1-D	GREEN	US-6 (DIAGONAL ARROW)	42 x 18					5.3	8.5	1				
25	SS-02	110+27	R1-2	RED	YIELD	36 x 36 x 36					3.9	10.5	1				
26A	SS-02	110+37	W11-2	YELLOW	PEDESTRIAN CROSSING	30 x 30					6.3						
26B			W11-2	YELLOW	PEDESTRIAN CROSSING	30 x 30					6.3						
26C			W16-7P	YELLOW	DOWNWARD DIAGONAL RIGHT ARROW	24 x 12			6	1	2			1	2	1	
26D			W16-7P	YELLOW	DOWNWARD DIAGONAL RIGHT ARROW	24 x 12					2						
27A	SS-02	110+53	W11-2	YELLOW	PEDESTRIAN CROSSING	30 x 30					6.3						
27B			W16-7P	YELLOW	DOWNWARD DIAGONAL LEFT ARROW	24 x 12			6	1	2			1	1	1	
28A	SS-02	110+54	W11-2	YELLOW	PEDESTRIAN CROSSING	30 x 30					6.3						
28B			W16-7P	YELLOW	DOWNWARD DIAGONAL LEFT ARROW	24 x 12			6	1	2			1	1	1	
29	SS-02	111+36	R4-7	WHITE	KEEP RIGHT	24 x 30					5	9.5	1				
30/48	SS-02	111+31	R2-1	WHITE	SPEED LIMIT (45)			1									
31A	SS-02	107+83	R3-17	WHITE	BIKE LANE	24 x 18					3	9.5	1				
31B			SPECIAL	WHITE	BEGIN	24 x 8					1.3						
32-44	NOT USED																
45A	SS-03	111+95	R3-17	WHITE	BIKE LANE	24 x 18					3						
45B			R3-17BP	WHITE	ENDS	24 x 8					1.3	10	1				
45C			SPECIAL	WHITE	USE RAMP (DIAGONAL ARROW)	30 x 8					1.7						
46A	SS-02	113+59	W2-8	YELLOW	ROUNDBABOUT WARNING	30 x 30					6.3						
46B			W13-1P	YELLOW	ADVISORY SPEED (20)	18 x 18					2.3	11	1				
47	SS-01	113+71	R2-1	WHITE	SPEED LIMIT (35)	24 x 30					5	9.5	1				
30/48	SS-03	113+93	R2-1	WHITE	SPEED LIMIT (45)												
49	SS-03	114+01	R3-7R	WHITE	RIGHT LANE MUST TURN RIGHT			1									
50	SS-01	115+75	W3-5(35)	YELLOW	REDUCED SPEED LIMIT AHEAD	36 x 36					9	10	1				
SHEET TOTAL							1	1	24	4	117.5	110.5	12	4	5	4	
PROJECT TOTAL							2	1	54	9	242.6	217.5	23	9	12	9	

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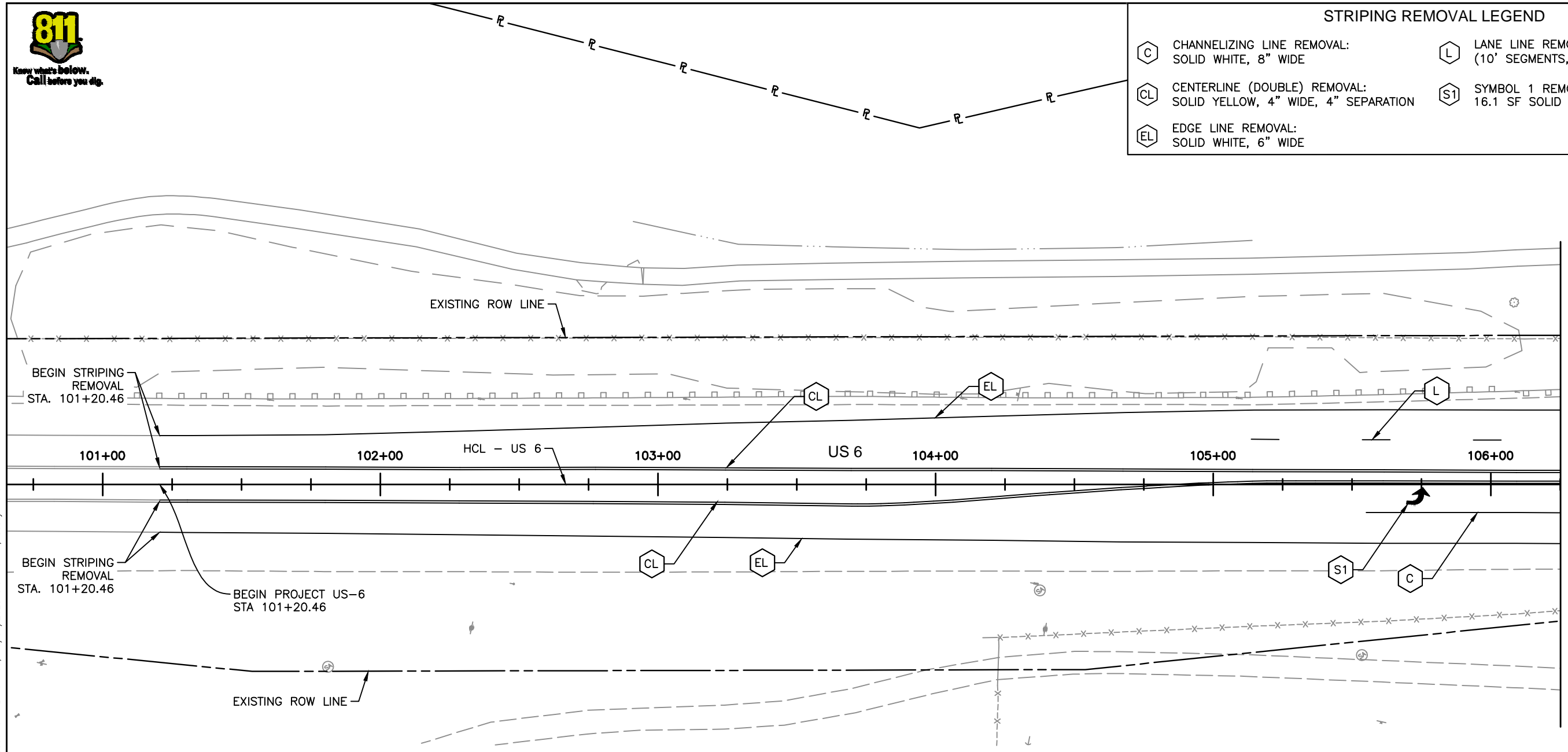


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6400 S. Fiddlers Green Circle, Suite 1500 Greenwood Village, CO 80111 Phone: 303.721.1440 www.FHUENG.com				REVISED: VOID:	Detailer: DEM Sheet Subset: TRAFFIC	SST-04 of 04 85

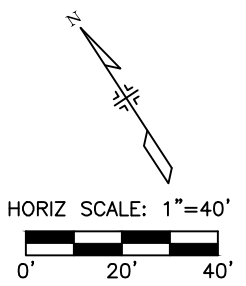


STRIPING REMOVAL LEGEND

- CHANNELIZING LINE REMOVAL:
SOLID WHITE, 8" WIDE
- LANE LINE REMOVAL: BROKEN WHITE,
(10' SEGMENTS, 30' GAPS)
- CENTERLINE (DOUBLE) REMOVAL:
SOLID YELLOW, 4" WIDE, 4" SEPARATION
- SYMBOL 1 REMOVAL: (LEFT ARROW),
16.1 SF SOLID WHITE
- EDGE LINE REMOVAL:
SOLID WHITE, 6" WIDE



MATCHLINE STA 106+25.00



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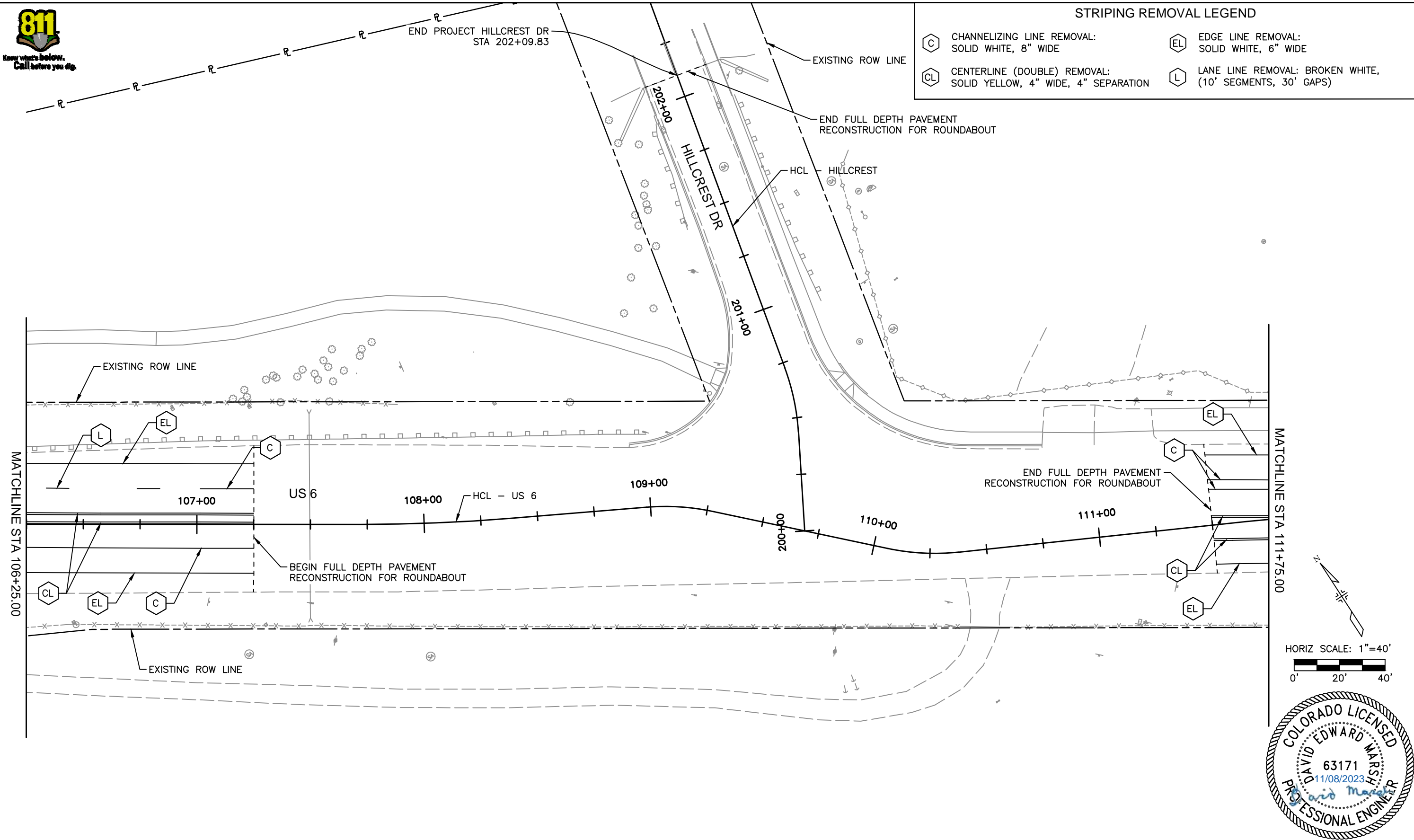
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				118339-01
	NO. REVISIONS:	Designer: RRF	STRUCTURE NUMBERS	
	REVISED:	Detailer: DEM		
VOID:	Sheet Subset: TRAFFIC	SREM-01 of 03		86



STRIPING REMOVAL LEGEND

- CHANNELIZING LINE REMOVAL:
SOLID WHITE, 8" WIDE
- EDGE LINE REMOVAL:
SOLID WHITE, 6" WIDE
- CENTERLINE (DOUBLE) REMOVAL:
SOLID YELLOW, 4" WIDE, 4" SEPARATION
- LANE LINE REMOVAL: BROKEN WHITE,
(10' SEGMENTS, 30' GAPS)



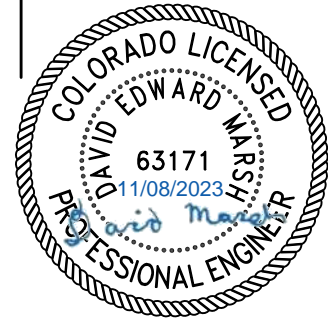
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





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NO. REVISIONS:				118339-01
REVISED:	Designer: RRF	STRUCTURE NUMBERS		
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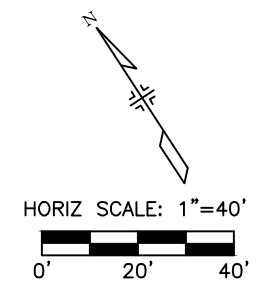
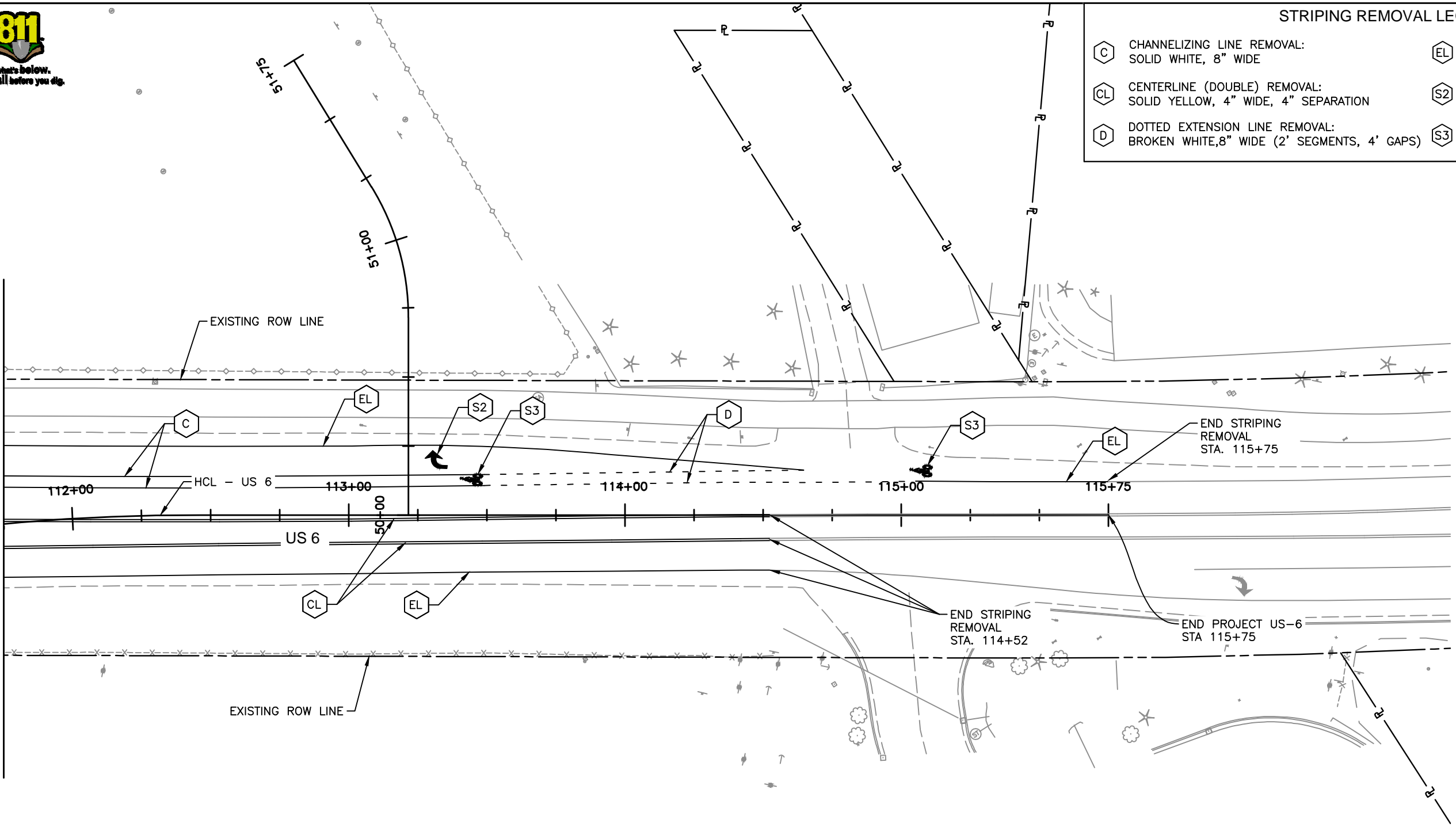





STRIPING REMOVAL LEGEND

-  CHANNELIZING LINE REMOVAL:
SOLID WHITE, 8" WIDE
-  CENTERLINE (DOUBLE) REMOVAL:
SOLID YELLOW, 4" WIDE, 4" SEPARATION
-  DOTTED EXTENSION LINE REMOVAL:
BROKEN WHITE, 8" WIDE (2' SEGMENTS, 4' GAPS)
-  EDGE LINE REMOVAL:
SOLID WHITE, 6" WIDE
-  SYMBOL 2 REMOVAL: (RIGHT ARROW),
16.1 SF SOLID WHITE
-  SYMBOL 3 REMOVAL: (BIKE SYMBOL),
11.9 SF SOLID WHITE

MATCHLINE STA 111+75.00



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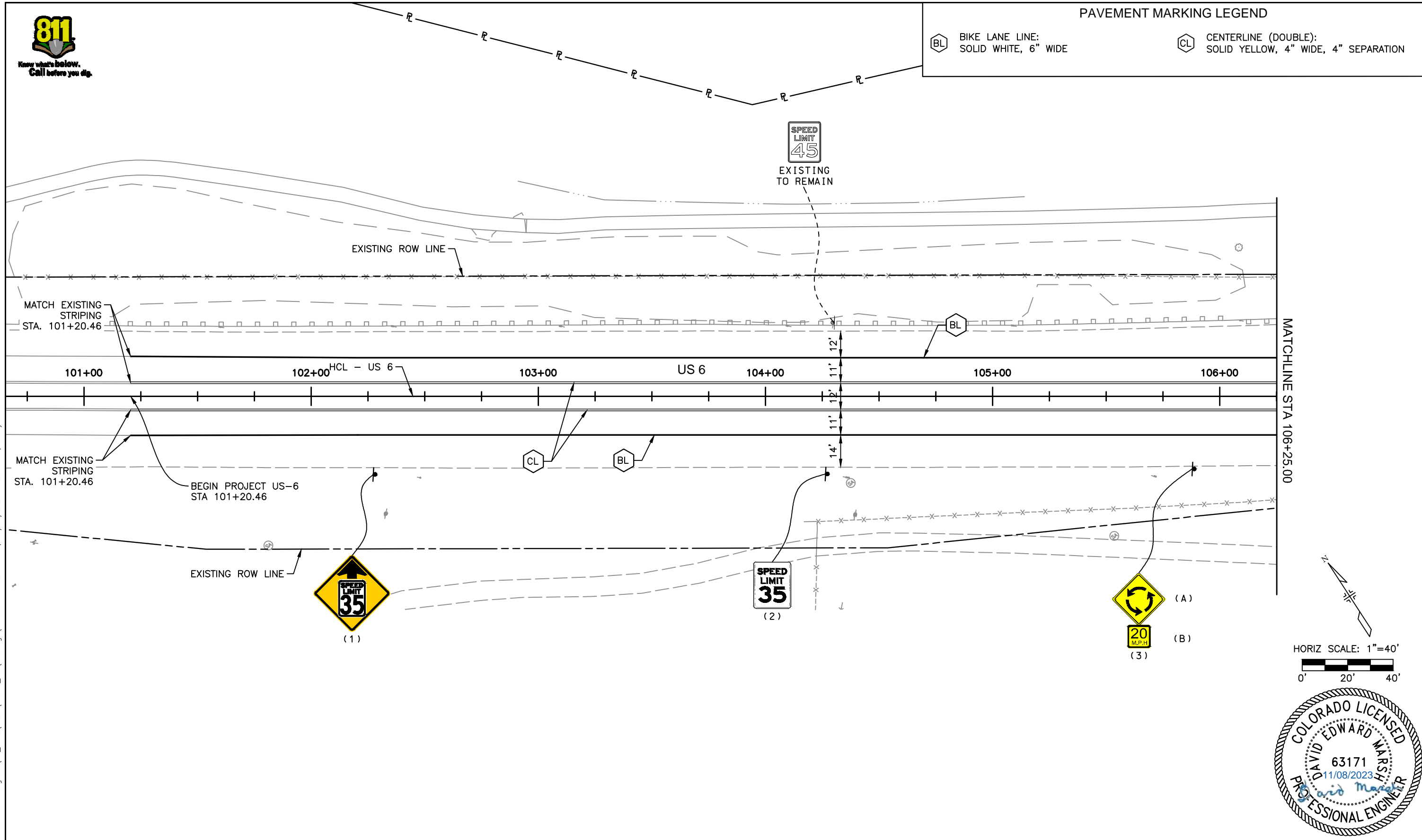
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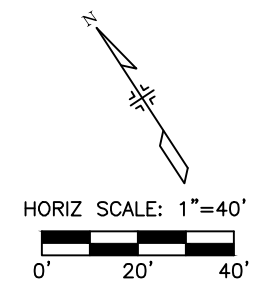
PAVEMENT MARKING LEGEND




BL BIKE LANE LINE:
SOLID WHITE, 6" WIDE

CL CENTERLINE (DOUBLE):
SOLID YELLOW, 4" WIDE, 4" SEPARATION



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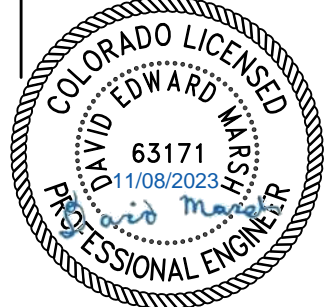
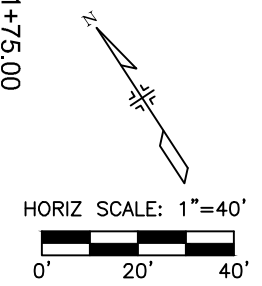
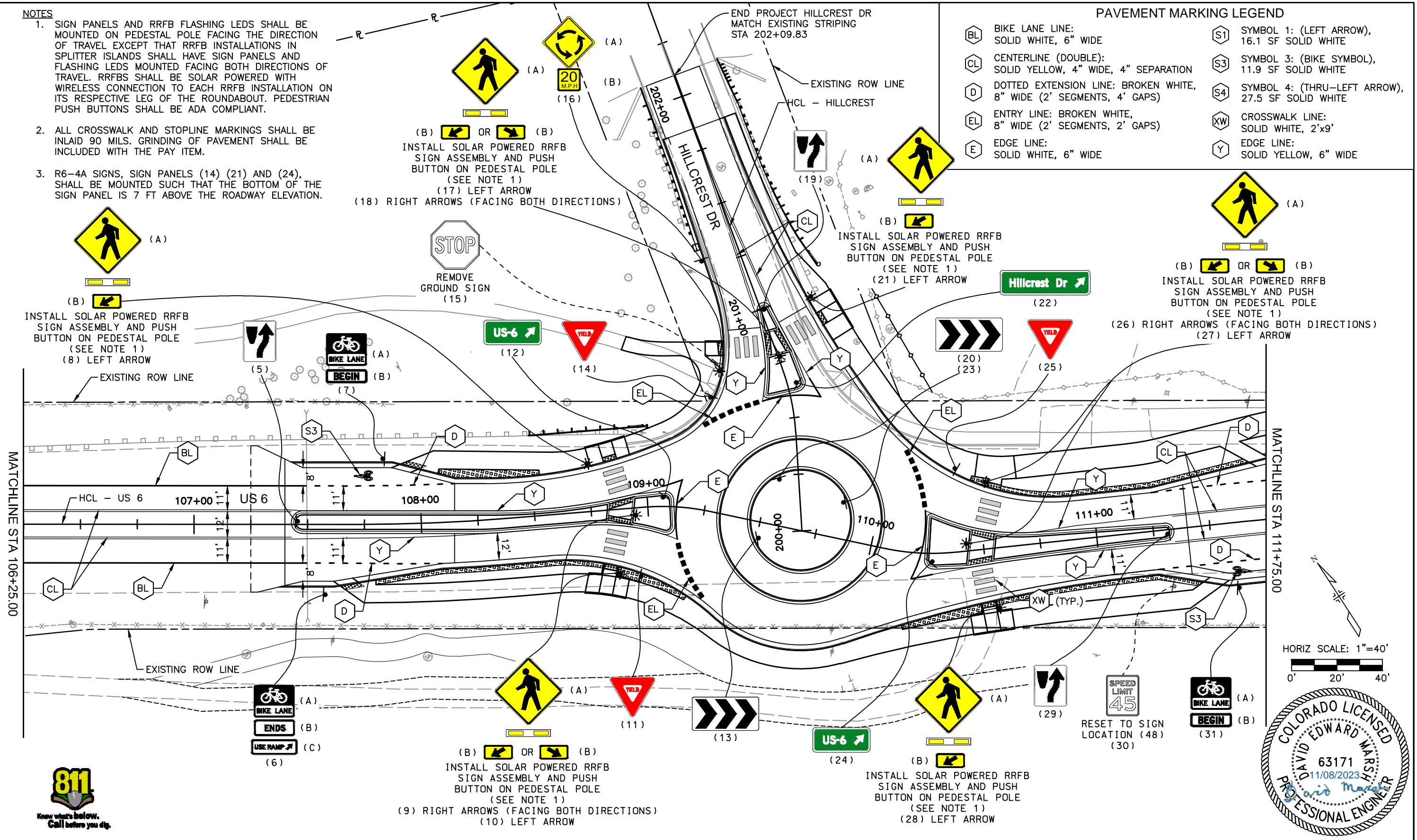
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FILE NAME: T118339-01PLAN01-03.DWG				NO. REVISIONS:			118339-01
Horizontal Scale: 1" = 40' Vertical Scale: N/A	AD PLAN SET			REVISED:	Designer: RRF	STRUCTURE NUMBERS	
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NOTES

- SIGN PANELS AND RRFB FLASHING LEDS SHALL BE MOUNTED ON PEDESTAL POLE FACING THE DIRECTION OF TRAVEL EXCEPT THAT RRFB INSTALLATIONS IN SPLITTER ISLANDS SHALL HAVE SIGN PANELS AND FLASHING LEDS MOUNTED FACING BOTH DIRECTIONS OF TRAVEL. RRFBS SHALL BE SOLAR POWERED WITH WIRELESS CONNECTION TO EACH RRFB INSTALLATION ON ITS RESPECTIVE LEG OF THE ROUNDABOUT. PEDESTRIAN PUSH BUTTONS SHALL BE ADA COMPLIANT.
- ALL CROSSWALK AND STOPLINE MARKINGS SHALL BE INLAID 90 MILS. GRINDING OF PAVEMENT SHALL BE INCLUDED WITH THE PAY ITEM.
- R6-4A SIGNS, SIGN PANELS (14) (21) AND (24), SHALL BE MOUNTED SUCH THAT THE BOTTOM OF THE SIGN PANEL IS 7 FT ABOVE THE ROADWAY ELEVATION.

PAVEMENT MARKING LEGEND

- | | |
|--|--|
| (BL) BIKE LANE LINE:
SOLID WHITE, 6" WIDE | (S1) SYMBOL 1: (LEFT ARROW),
16.1 SF SOLID WHITE |
| (CL) CENTERLINE (DOUBLE):
SOLID YELLOW, 4" WIDE, 4" SEPARATION | (S3) SYMBOL 3: (BIKE SYMBOL),
11.9 SF SOLID WHITE |
| (D) DOTTED EXTENSION LINE: BROKEN WHITE,
8" WIDE (2' SEGMENTS, 4' GAPS) | (S4) SYMBOL 4: (THRU-LEFT ARROW),
27.5 SF SOLID WHITE |
| (EL) ENTRY LINE: BROKEN WHITE,
8" WIDE (2' SEGMENTS, 2' GAPS) | (XW) CROSSWALK LINE:
SOLID WHITE, 2'x9' |
| (E) EDGE LINE:
SOLID WHITE, 6" WIDE | (Y) EDGE LINE:
SOLID YELLOW, 6" WIDE |



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US 6 & HILLCREST ROUNDABOUT SIGNING AND STRIPING PLAN		
Designer: RRF	STRUCTURE NUMBERS	
Detailer: DEM		
Sheet Subset: TRAFFIC		SS-02 of 03

PROJECT NO./CODE
118339-01
90

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Know what's below.
Call before you dig.

PAVEMENT MARKING LEGEND

- BL BIKE LANE LINE: SOLID WHITE, 6" WIDE
- D DOTTED EXTENSION LINE: BROKEN WHITE, 8" WIDE (2' SEGMENTS, 4' GAPS)
- CL CENTERLINE (DOUBLE): SOLID YELLOW, 4" WIDE, 4" SEPARATION
- S3 SYMBOL 3: (BIKE SYMBOL), 11.9 SF SOLID WHITE

MATCHLINE STA 111+75.00

- (A) BIKE LANE
- (B) ENDS
- (C) USE RAMP

EXISTING ROW LINE

112+00

HCL - US 6 113+00

114+00

115+00

115+75

US 6

EXISTING ROW LINE

SPEED LIMIT 45
RESET FROM SIGN LOCATION (30)
(48)

RIGHT LANE MUST TURN RIGHT
REMOVE GROUND SIGN (49)

SPEED LIMIT 35
(47)

20 M.P.H.
(46)

SPEED LIMIT 35
(50)

MATCH EXISTING STRIPING STA. 115+75

MATCH EXISTING STRIPING STA. 114+52


END PROJECT US-6 STA 115+75
MATCH EXISTING

HORIZ SCALE: 1"=40'
0' 20' 40'



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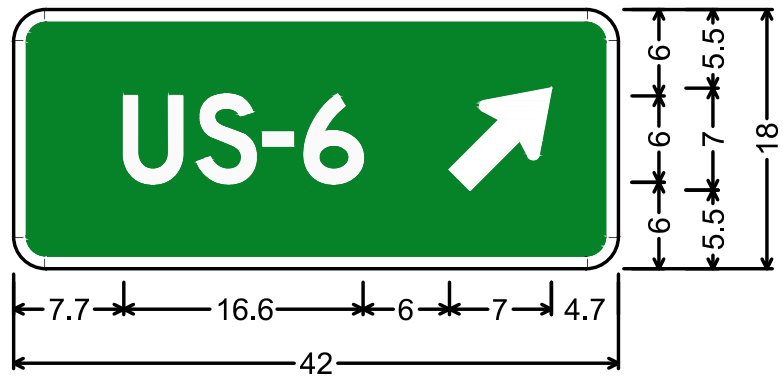
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500 BROADWAY
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AS CONSTRUCTED
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VOID:

US 6 & HILLCREST ROUNDABOUT SIGNING AND STRIPING PLAN	
Designer: RRF	STRUCTURE NUMBERS
Detailer: DEM	
Sheet Subset: TRAFFIC	SS-03 of 03

PROJECT NO./CODE
118339-01
91

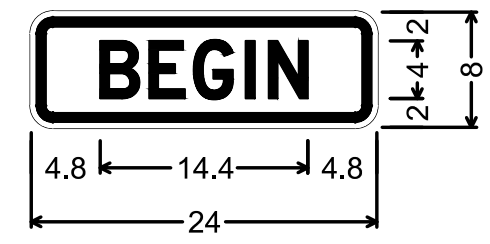
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2.3" Radius, 0.8" Border, White on Green;
 "US-6", D 2K;
 Standard Arrow Custom 9.0" X 5.5" 45°;
 Table of letter and object lefts

U	S	-	6	↗
7.7	12.8	17.3	20.2	30.3

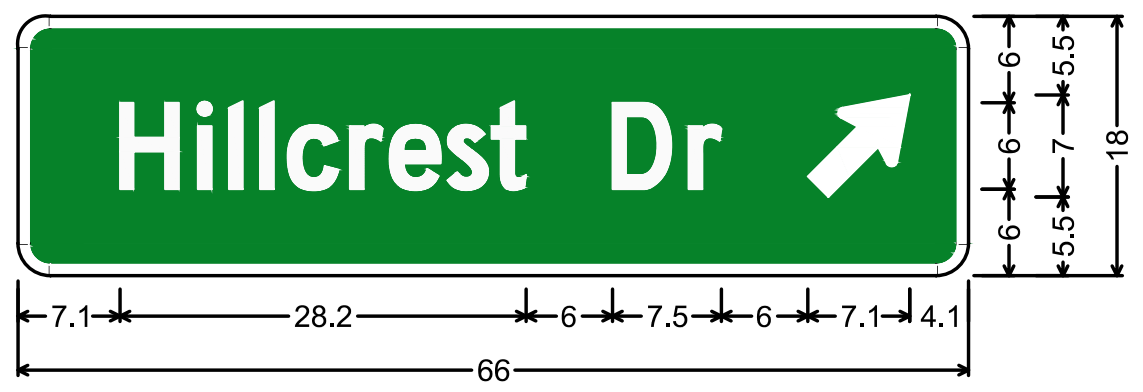
SIGN PANEL (12), (24)



R3-17aP_24x8;
 1.5" Radius, 0.6" Border, 0.4" Indent, Black on White;
 "BEGIN", D 2K 100% spacing;
 Table of letter and object lefts

B	E	G	I	N
4.8	8.2	11.3	14.9	16.5

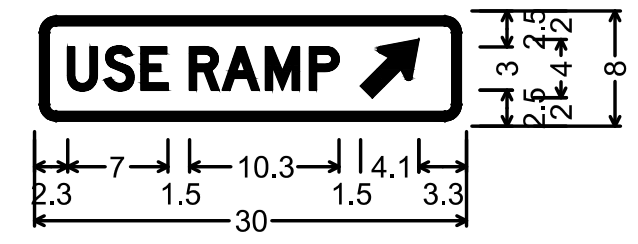
SIGN PANEL (7B), (31B)



2.3" Radius, 0.8" Border, White on Green;
 "Hillcrest", D 2K; "Dr", D 2K;
 Standard Arrow Custom 9.0" X 5.5" 45°;
 Table of letter and object lefts

H	i	l	l	c	r	e	s	t	D	r	↗
7.1	12.5	14.6	16.8	18.7	23.0	25.8	29.8	32.9	41.3	46.6	54.8

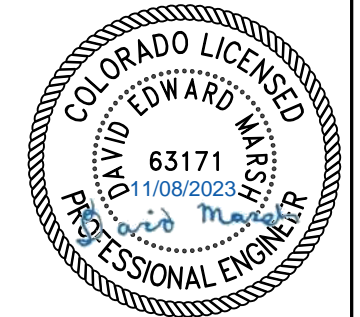
SIGN PANEL (22)



R3-17bP_24x8;
 1.5" Radius, 0.6" Border, 0.4" Indent, Black on White;
 "USE", D 2K;
 "RAMP", D 2K;
 Standard Arrow Custom 5.1" X 3.1" 45°;
 Table of letter and object lefts

U	S	E	
2.3	4.9	7.4	
R	A	M	P
10.8	13.0	16.0	19.1
↗			
22.6			

SIGN PANEL (6C), (45C)



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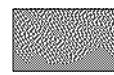
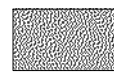
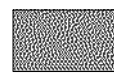
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FILE NAME: T118339-01_DET_01.DWG				SIGN LAYOUT DETAIL		118339-01	
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				REVISED:	Detailer: DEM	NUMBERS	
				VOID:	Sheet Subset: TRAFFIC	TDET-01 of 01	




Know what's below.
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LEGEND

-  PHASE 1 WORK AREA
-  PHASE 2 WORK AREA
-  PHASE 3 WORK AREA

NOTE:
PHASING LIMITS OVERLAP DEPENDING ON SEQUENCE.
THIS GRAPHIC IS FOR INFORMATION ONLY. SEE EACH
PHASE'S PLANS FOR MORE INFORMATION.

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FILE NAME: C118339-01CPH_OVERALL.DWG
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Sheet Status
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500 BROADWAY
EAGLE, CO 81631

AS CONSTRUCTED
NO. REVISIONS:
REVISED:
VOID:

US 6 & HILLCREST ROUNDABOUT	
SUGGESTED CONSTRUCTION PHASING PLAN OVERALL PHASING	
Designer: CJK	STRUCTURE NUMBERS
Detailer: CJK	
Sheet Subset: ROADWAY	CPH-01

PROJECT NO./CODE
118339-01
93

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CONSTRUCTION PHASING & TRAFFIC CONTROL GENERAL NOTES:

- CONSTRUCTION PHASING CONCEPT SHOWN IN THE PLANS IS A RECOMMENDED CONSTRUCTION PHASING SEQUENCE. THE CONTRACTOR CAN SUBMIT SEPARATE PHASING PLANS TO THE COUNTY ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
- CONSTRUCTION TRAFFIC CONTROL IS THE CONTRACTOR'S RESPONSIBILITY AND WILL REQUIRE THE CONTRACTOR TO SUBMIT PLANS PRIOR TO CONSTRUCTION FOR APPROVAL. CONTRACTOR SHALL OBTAIN THE NECESSARY TRAFFIC CONTROL PERMITS FROM RELEVANT AGENCIES. THE CONSTRUCTION TRAFFIC CONTROL PLANS SHALL BE IN COMPLIANCE WITH THE CDOT S STANDARDS AND THE LATEST VERSION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE QUANTITIES SHOWN ON THIS SHEET ARE APPROXIMATE AND FOR INFORMATION ONLY.
- THE SPEED LIMIT ALONG US 6 WEST ADJACENT TO WORK ZONE AREAS SHALL BE 25 MPH.
- THE SPEED LIMIT ALONG HILLCREST DR. ADJACENT TO WORK ZONE AREAS SHALL BE 25 MPH.
- THE CONTRACTOR SHALL INSPECT TRAFFIC CONTROL DEVICES ON EVERY CALENDAR DAY THAT TRAFFIC CONTROL DEVICES ARE IN USE, MASKED, OR TURNED AWAY FROM TRAFFIC. THESE INSPECTIONS SHALL INCLUDE AT LEAST ONE NIGHTTIME INSPECTION PER WEEK. THE COST OF THESE INSPECTIONS SHALL BE INCLUDED IN THE COST OF ITEM 630-00007 TRAFFIC CONTROL INSPECTION.
- THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 11' LANES AT ALL TIMES.
- THE CONTRACTOR SHALL REMOVE ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TEMPORARY PAVEMENT MARKINGS AS NECESSARY. REMOVAL OF CONFLICTING EXISTING PAVEMENT MARKINGS AND INSTALLATION AND MAINTENANCE OF TEMPORARY PAVEMENT MARKINGS IS INCLUDED IN THE COST OF DETOUR PAVEMENT.
- PORTABLE MESSAGE SIGN PANELS SHALL BE USED AS DIRECTED BY THE ENGINEER.
- ALL TRAFFIC CONTROL DEVICES, CONCRETE BARRIERS, REFLECTORIZED DRUMS, SIGNS, PAVEMENT MARKINGS AND CHANNELIZATION DEVICES SHALL CONFORM TO THE LATEST CDOT, MUTCD AND LOCAL AGENCY STANDARDS.
- CONSTRUCTION OF THE FACILITIES SHALL BE COMPLETED IN A SAFE AND EXPEDITIOUS MANNER WITHOUT IMPACTING THE STRUCTURAL INTEGRITY OF ADJACENT BUILDINGS, STRUCTURES AND UTILITIES.
- CONTRACTOR SHALL SAFELY COVER ANY TRENCHES AND RESTORE TRAFFIC TO NORMAL CONDITIONS WHEN NOT WORKING IN THE AREA.
- EXISTING SIGNS SHALL BE MAINTAINED/RELOCATED AS NECESSARY DURING CONSTRUCTION. ANY EXISTING SIGNS THAT CONFLICT WITH TEMPORARY SIGNS SHALL BE MASKED OR REMOVED. THE COST OF MAINTAINING, RELOCATING, OR MASKING EXISTING SIGNS DURING CONSTRUCTION IS INCLUDED IN THE COST OF TRAFFIC CONTROL MANAGEMENT.
- TEMPORARY CONCRETE BARRIERS SHALL HAVE DRAINAGE SLOTS, WHERE NEEDED, TO PROVIDE ADEQUATE DRAINAGE. ALL TEMPORARY CONCRETE BARRIERS SHALL HAVE BARRIER REFLECTORS AND THEY WILL NOT BE PAID FOR BUT ARE INCLUDED IN THE COST OF THE BARRIER.
- TEMPORARY CONCRETE BARRIER END TREATMENTS AND ANCHORAGE SHALL BE IN ACCORDANCE WITH CDOT M&S STANDARDS.
- ALL SIGN LOCATIONS MAY BE ADJUSTED WITHIN REASONABLE TOLERANCES TO ACCOMMODATE FIELD CONDITIONS.
- THE FIRST TWO REFLECTIVE DRUMS WILL BE EQUIPPED WITH FLASHERS IF INTENDED TO BE LEFT IN PLACE AT NIGHT.
- ALL DRUMS SHALL BE MOVED TO THE OUTSIDE EDGE OF THE ROADWAY AT NIGHT, ON WEEKENDS AND ON HOLIDAYS UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- FLAGGER SYMBOL SIGNS SHALL BE INSTALLED AND FLAGGERS SHALL BE UTILIZED AS DEEMED NECESSARY AND AS APPROVED BY THE ENGINEER.
- NO PARKING OR STAGING OF CONSTRUCTION EQUIPMENT OR MATERIAL IS ALLOWED IN WETLAND AREAS.
- CLEAR ZONES SHALL MEET AASHTO'S "ROADSIDE DESIGN GUIDE", LATEST EDITION, REQUIREMENTS. THE FOLLOWING ARE GENERAL CLEAR ZONE GUIDANCE:
 US 6 WEST = 16 FEET
 HILLCREST DR. = 10 FEET
- EAGLE COUNTY WILL REMAIN THE OWNER OF THE TRAIL DURING AND AFTER CONSTRUCTION.

CONSTRUCTION PHASING & TRAFFIC CONTROL TABULATIONS (FOR INFORMATION ONLY)



ITEM NO.	ITEM	UNIT	PROJECT TOTAL
621-00450	DETOUR PAVEMENT	SY	1,850
627-00001	PAVEMENT MARKING PAINT	GAL	40
630-00000	FLAGGING	HOUR	1,200
630-00007	TRAFFIC CONTROL INSPECTION	DAY	34
630-00012	TRAFFIC CONTROL MANAGEMENT	DAY	86
630-80335	BARRICADE (TYPE 3 M-A) (TEMPORARY)	EACH	10
630-80341	CONSTRUCTION TRAFFIC SIGN (PANEL SIZE A)	EACH	50
630-80342	CONSTRUCTION TRAFFIC SIGN (PANEL SIZE B)	EACH	30
630-80355	PORTABLE MESSAGE SIGN PANEL	EACH	2
630-80358	ADVANCE WARNING FLASHING OR SEQUENCING ARROW PANEL (C TYPE)	EACH	1
630-80360	DRUM CHANNELIZING DEVICE	EACH	200
630-80372	CONCRETE BARRIER (TEMPORARY) (FURNISH AND INSTALL)	LF	900
630-80380	TRAFFIC CONE	EACH	150
630-85010	IMPACT ATTENUATOR (TEMPORARY)	EACH	2

CONSTRUCTION PHASING INDEX OF SHEETS

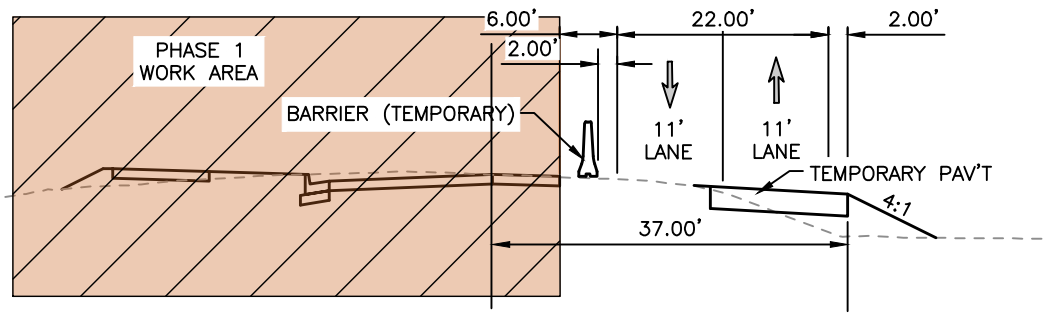
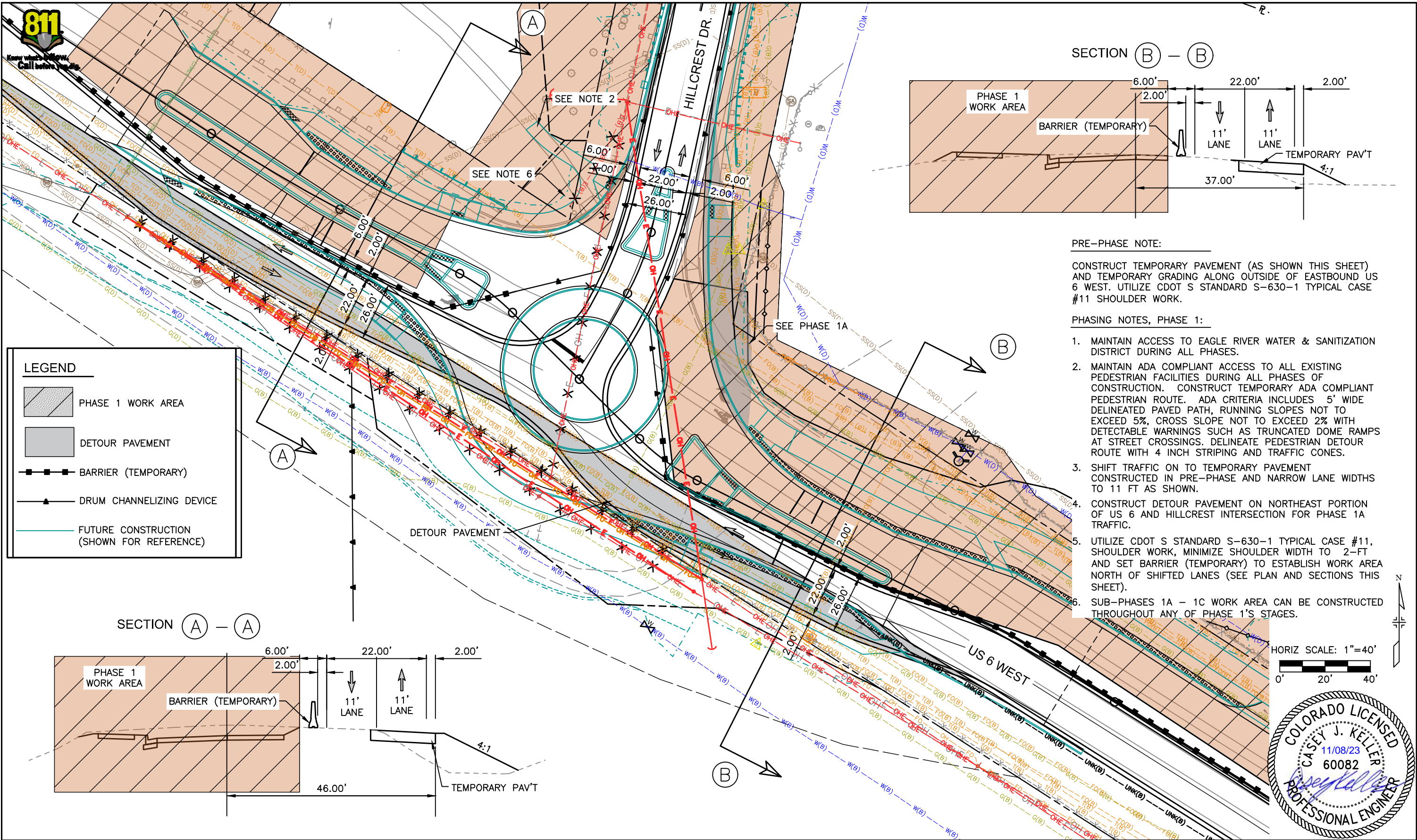
SHEETS	DESCRIPTION
CP-02	PHASE 1
CP-03	PHASE 1A
CP-04	PHASE 1B
CP-05	PHASE 1C
CP-06	PHASE 1D
CP-07	PHASE 2
CP-08	PHASE 3



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PRE-PHASE NOTE:

CONSTRUCT TEMPORARY PAVEMENT (AS SHOWN THIS SHEET) AND TEMPORARY GRADING ALONG OUTSIDE OF EASTBOUND US 6 WEST. UTILIZE CDOT S STANDARD S-630-1 TYPICAL CASE #11 SHOULDER WORK.

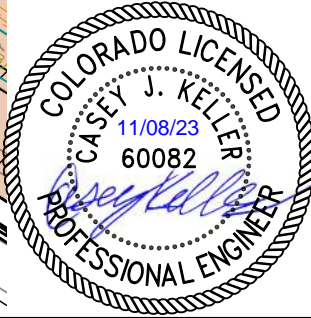
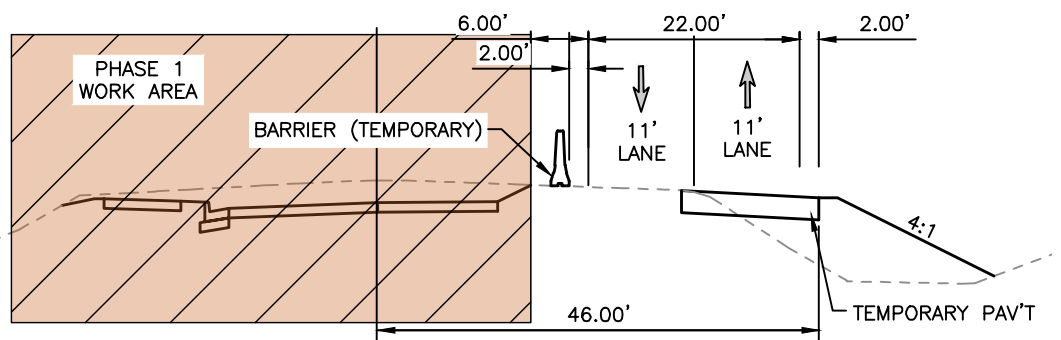
PHASING NOTES, PHASE 1:

1. MAINTAIN ACCESS TO EAGLE RIVER WATER & SANITIZATION DISTRICT DURING ALL PHASES.
2. MAINTAIN ADA COMPLIANT ACCESS TO ALL EXISTING PEDESTRIAN FACILITIES DURING ALL PHASES OF CONSTRUCTION. CONSTRUCT TEMPORARY ADA COMPLIANT PEDESTRIAN ROUTE. ADA CRITERIA INCLUDES 5' WIDE DELINEATED PAVED PATH, RUNNING SLOPES NOT TO EXCEED 5%, CROSS SLOPE NOT TO EXCEED 2% WITH DETECTABLE WARNINGS SUCH AS TRUNCATED DOME RAMPS AT STREET CROSSINGS. DELINEATE PEDESTRIAN DETOUR ROUTE WITH 4 INCH STRIPING AND TRAFFIC CONES.
3. SHIFT TRAFFIC ON TO TEMPORARY PAVEMENT CONSTRUCTED IN PRE-PHASE AND NARROW LANE WIDTHS TO 11 FT AS SHOWN.
4. CONSTRUCT DETOUR PAVEMENT ON NORTHEAST PORTION OF US 6 AND HILLCREST INTERSECTION FOR PHASE 1A TRAFFIC.
5. UTILIZE CDOT S STANDARD S-630-1 TYPICAL CASE #11, SHOULDER WORK, MINIMIZE SHOULDER WIDTH TO 2-FT AND SET BARRIER (TEMPORARY) TO ESTABLISH WORK AREA NORTH OF SHIFTED LANES (SEE PLAN AND SECTIONS THIS SHEET).
6. SUB-PHASES 1A - 1C WORK AREA CAN BE CONSTRUCTED THROUGHOUT ANY OF PHASE 1'S STAGES.

LEGEND

- PHASE 1 WORK AREA
- DETOUR PAVEMENT
- BARRIER (TEMPORARY)
- DRUM CHANNELIZING DEVICE
- FUTURE CONSTRUCTION (SHOWN FOR REFERENCE)

SECTION A - A



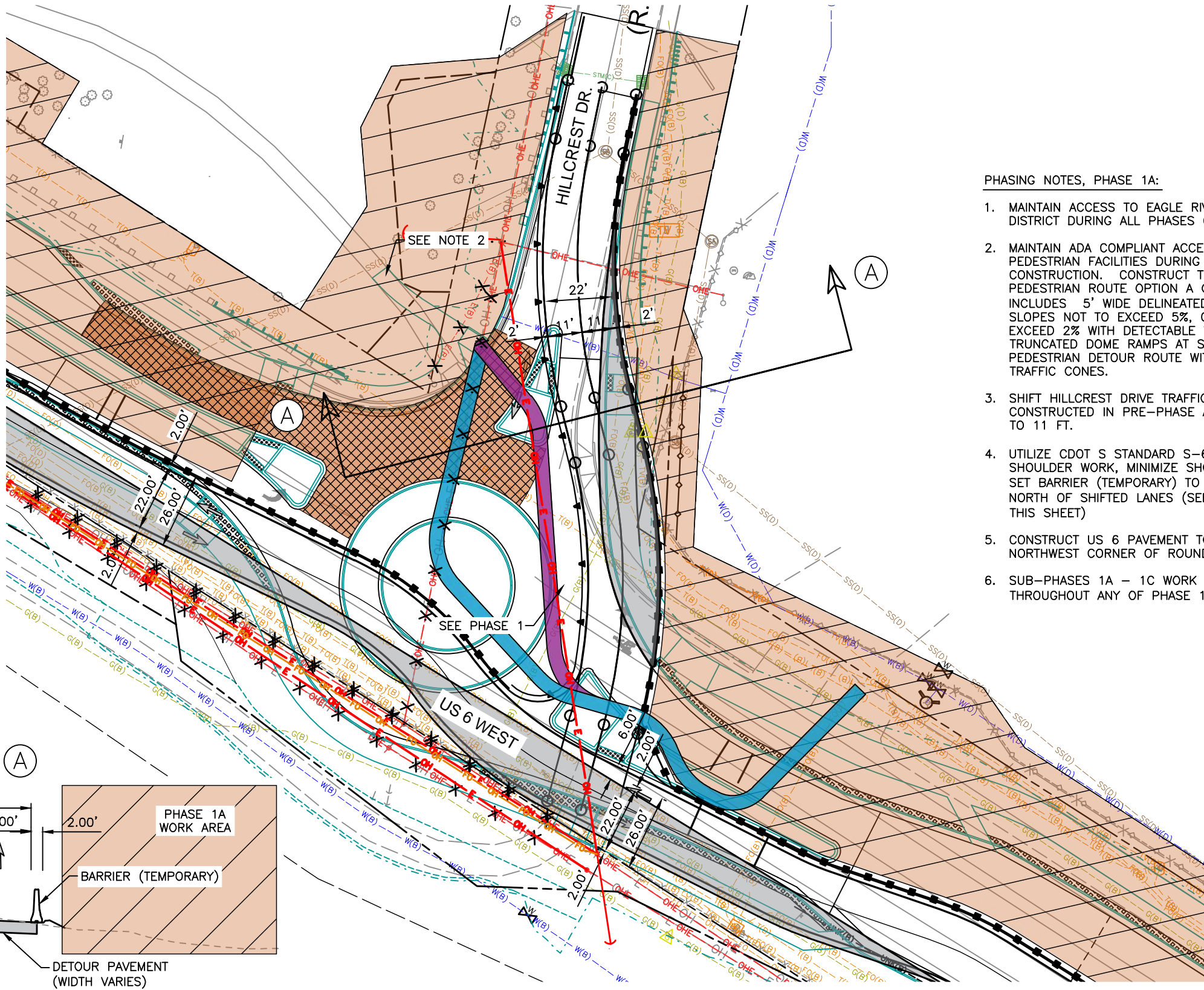
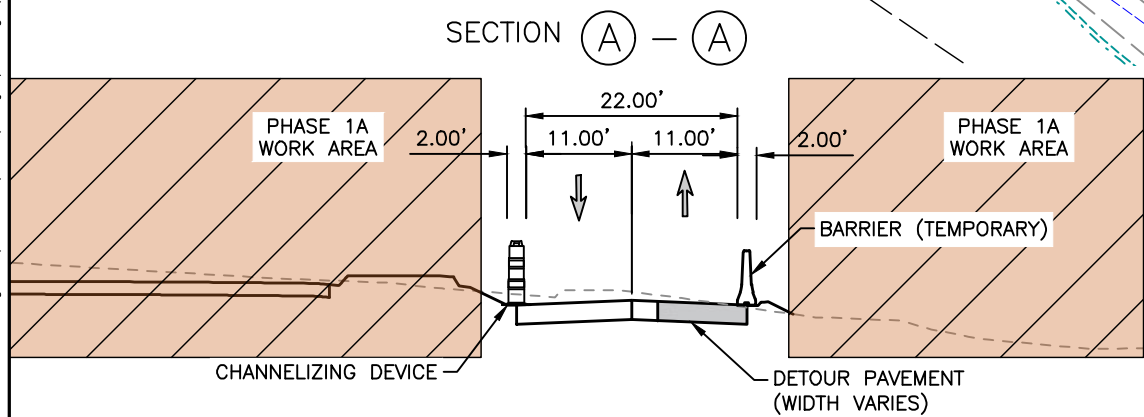
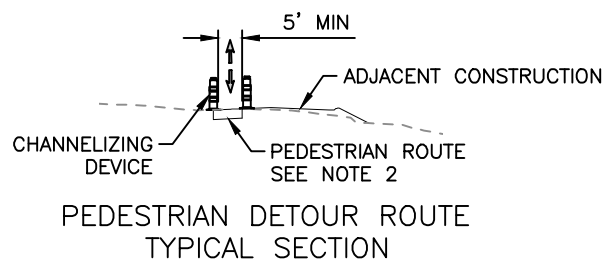
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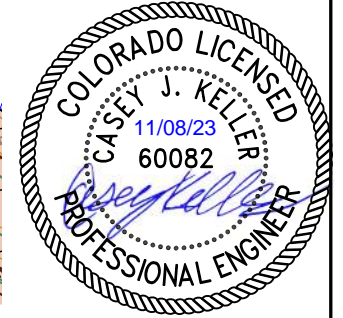
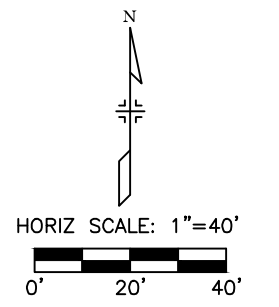


LEGEND

- PHASE 1A WORK AREA
- PHASE 1A WORK AREA - CONCRETE PAVING
- DETOUR PAVEMENT
- BARRIER (TEMPORARY)
- DRUM CHANNELIZING DEVICE
- FUTURE CONSTRUCTION (SHOWN FOR REFERENCE)
- PEDESTRIAN DETOUR ROUTE OPTION A
- PEDESTRIAN DETOUR ROUTE OPTION B



- PHASING NOTES, PHASE 1A:**
1. MAINTAIN ACCESS TO EAGLE RIVER WATER & SANITIZATION DISTRICT DURING ALL PHASES OF CONSTRUCTION.
 2. MAINTAIN ADA COMPLIANT ACCESS TO ALL EXISTING PEDESTRIAN FACILITIES DURING ALL PHASES OF CONSTRUCTION. CONSTRUCT TEMPORARY ADA COMPLIANT PEDESTRIAN ROUTE OPTION A OR B. ADA CRITERIA INCLUDES 5' WIDE DELINEATED PAVED PATH, RUNNING SLOPES NOT TO EXCEED 5%, GROSS SLOPE NOT TO EXCEED 2% WITH DETECTABLE WARNINGS SUCH AS TRUNCATED DOME RAMPS AT STREET CROSSINGS. DELINEATE PEDESTRIAN DETOUR ROUTE WITH 4 INCH STRIPING AND TRAFFIC CONES.
 3. SHIFT HILLCREST DRIVE TRAFFIC ONTO DETOUR PAVEMENT CONSTRUCTED IN PRE-PHASE AND NARROW LANE WIDTHS TO 11 FT.
 4. UTILIZE CDOT S STANDARD S-630-1 TYPICAL CASE #11, SHOULDER WORK, MINIMIZE SHOULDER WIDTH TO 2-FT AND SET BARRIER (TEMPORARY) TO ESTABLISH WORK AREA NORTH OF SHIFTED LANES (SEE PLAN AND SECTIONS ON THIS SHEET)
 5. CONSTRUCT US 6 PAVEMENT TO GRADE. CONSTRUCT NORTHWEST CORNER OF ROUNDABOUT IN CONCRETE.
 6. SUB-PHASES 1A - 1C WORK AREA CAN BE CONSTRUCTED THROUGHOUT ANY OF PHASE 1'S STAGES.



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**US 6 & HILLCREST ROUNDABOUT
SUGGESTED CONSTRUCTION PHASING PLAN
PHASE 1A - HILLCREST**

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Detailer:	CJK	NUMBERS	
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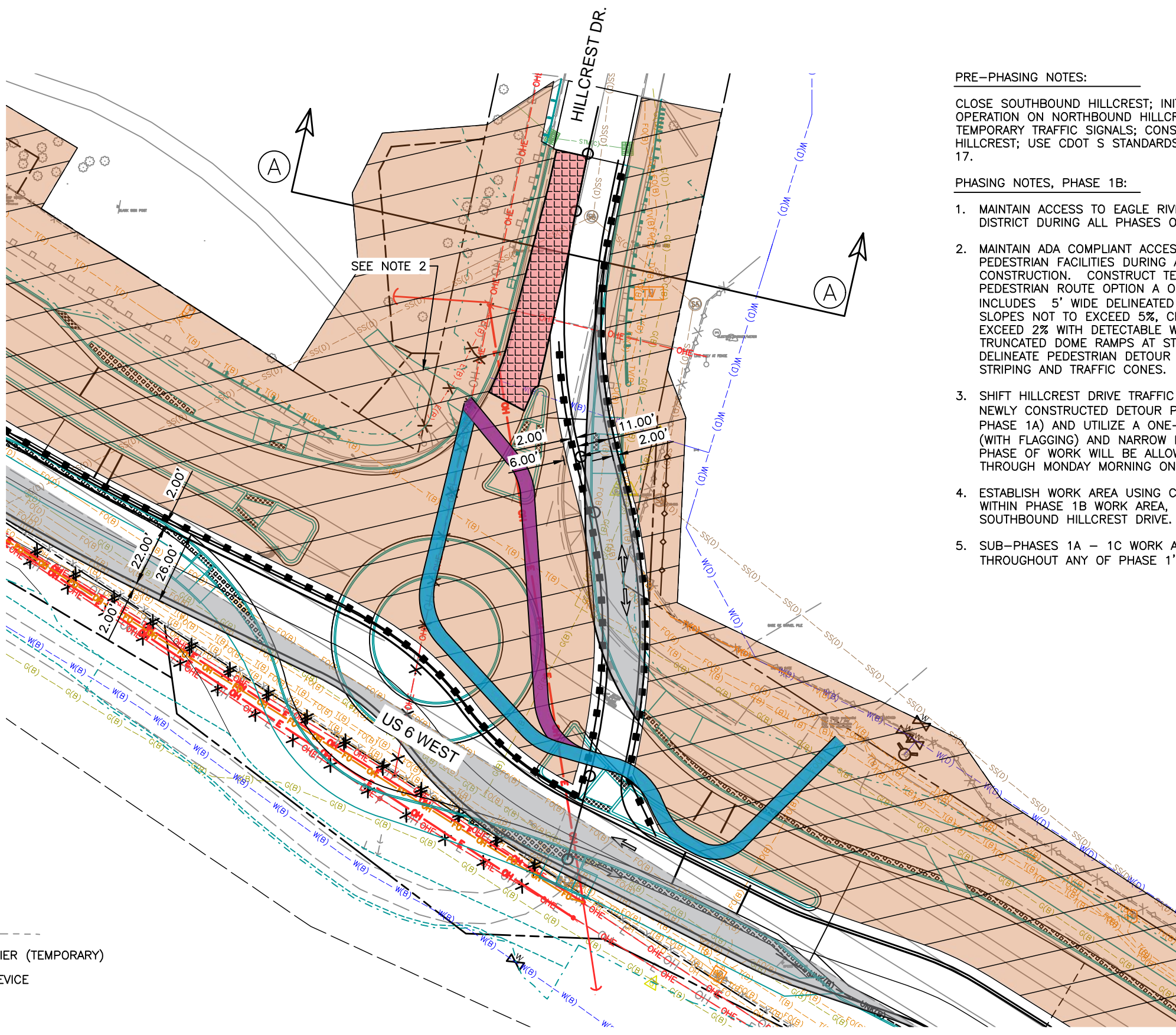
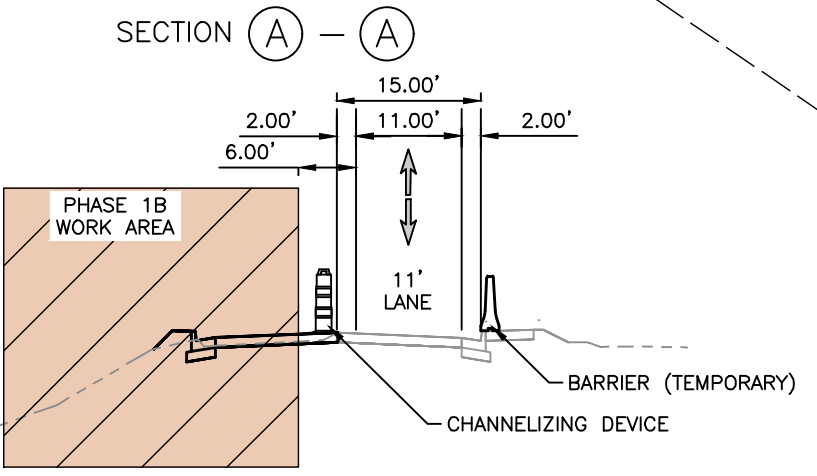
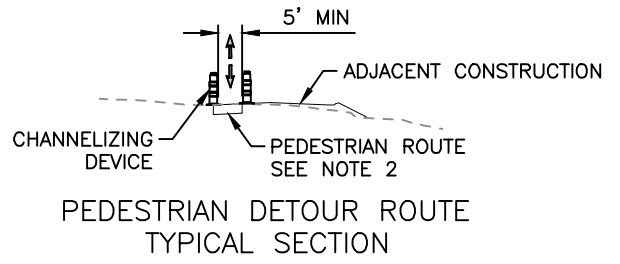
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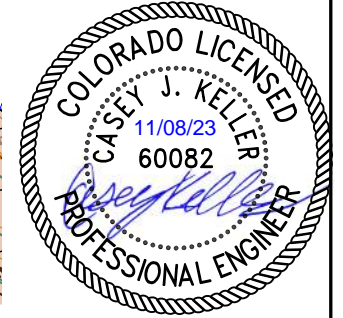
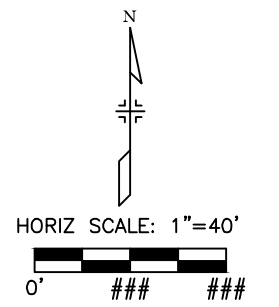


LEGEND

	PHASE 1B WORK AREA
	PHASE 1B WORK AREA - ASPHALT PAVING
	DETOUR PAVEMENT
	BARRIER (TEMPORARY)
	DRUM CHANNELIZING DEVICE
	FUTURE CONSTRUCTION (SHOWN FOR REFERENCE)
	PEDESTRIAN DETOUR ROUTE OPTION A
	PEDESTRIAN DETOUR ROUTE OPTION B



- PRE-PHASING NOTES:**
- CLOSE SOUTHBOUND HILLCREST; INITIATE ONE-LANE-ROAD OPERATION ON NORTHBOUND HILLCREST WITH FLAGGERS OR TEMPORARY TRAFFIC SIGNALS; CONSTRUCT SOUTHBOUND HILLCREST; USE CDOT S STANDARDS S-630-1 CASES 11 AND 17.
- PHASING NOTES, PHASE 1B:**
- MAINTAIN ACCESS TO EAGLE RIVER WATER & SANITIZATION DISTRICT DURING ALL PHASES OF CONSTRUCTION.
 - MAINTAIN ADA COMPLIANT ACCESS TO ALL EXISTING PEDESTRIAN FACILITIES DURING ALL PHASES OF CONSTRUCTION. CONSTRUCT TEMPORARY ADA COMPLIANT PEDESTRIAN ROUTE OPTION A OR B. ADA CRITERIA INCLUDES 5' WIDE DELINEATED PAVED PATH, RUNNING SLOPES NOT TO EXCEED 5%, CROSS SLOPE NOT TO EXCEED 2% WITH DETECTABLE WARNINGS SUCH AS TRUNCATED DOME RAMPS AT STREET CROSSINGS. DELINEATE PEDESTRIAN DETOUR ROUTE WITH 4 INCH STRIPING AND TRAFFIC CONES.
 - SHIFT HILLCREST DRIVE TRAFFIC TO THE EAST ON TO NEWLY CONSTRUCTED DETOUR PAVEMENT (CONSTRUCTED IN PHASE 1A) AND UTILIZE A ONE-LANE TWO-WAY OPERATION (WITH FLAGGING) AND NARROW LANE WIDTH TO 11FT. THIS PHASE OF WORK WILL BE ALLOWED FRIDAY NIGHT THROUGH MONDAY MORNING ONLY, PER SPECIFICATION.
 - ESTABLISH WORK AREA USING CHANNELIZING DEVICES AND WITHIN PHASE 1B WORK AREA, CONSTRUCT PROPOSED SOUTHBOUND HILLCREST DRIVE.
 - SUB-PHASES 1A - 1C WORK AREA CAN BE CONSTRUCTED THROUGHOUT ANY OF PHASE 1'S STAGES.

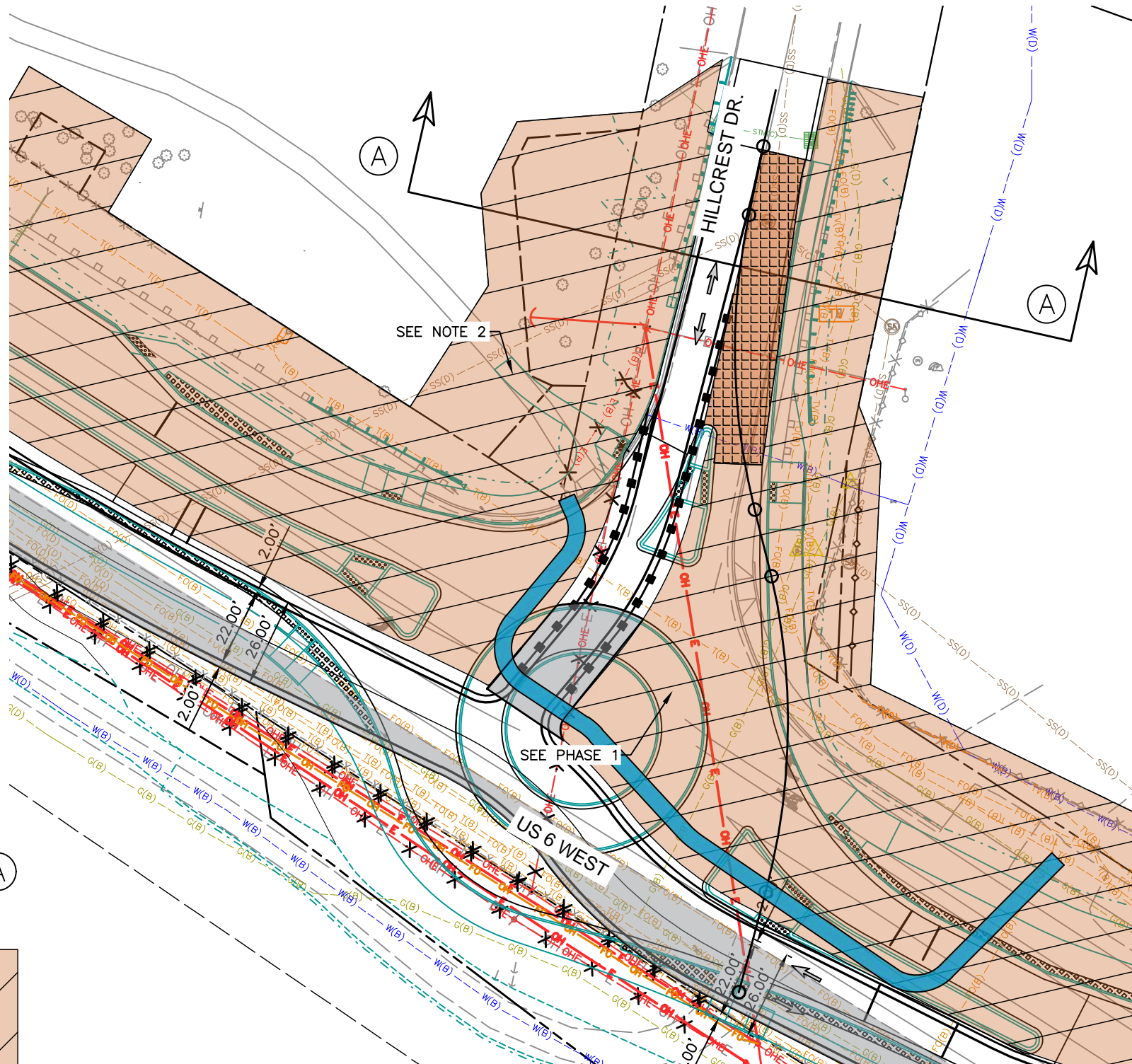
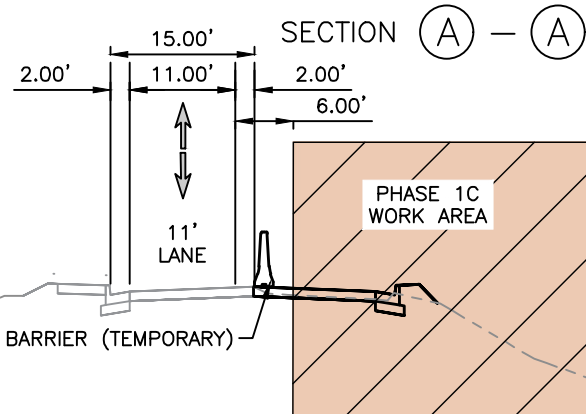
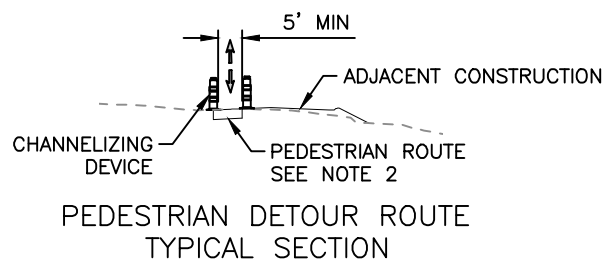


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LEGEND	
	PHASE 1C WORK AREA
	PHASE 1C WORK AREA - ASPHALT PAVING
	DETOUR PAVEMENT
	BARRIER (TEMPORARY)
	DRUM CHANNELIZING DEVICE
	FUTURE CONSTRUCTION (SHOWN FOR REFERENCE)
	PEDESTRIAN DETOUR ROUTE

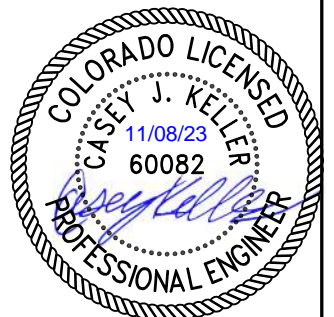
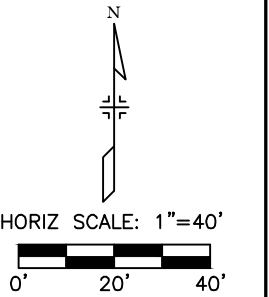


PRE-PHASING NOTES:

CONSTRUCT TEMPORARY PAVEMENT TO GRADE ON HILLCREST AS SHOWN. CLOSE NORTHBOUND HILLCREST; INITIATE ONE-LANE-ROAD OPERATION ON SOUTHBOUND HILLCREST WITH FLAGGERS OR TEMPORARY TRAFFIC SIGNALS; CONSTRUCT SOUTHBOUND HILLCREST; USE CDOT S STANDARDS S-630-1 CASES 11 AND 17.

PHASING NOTES, PHASE 1C:

1. MAINTAIN ACCESS TO EAGLE RIVER WATER & SANITIZATION DISTRICT DURING ALL PHASES OF CONSTRUCTION.
2. MAINTAIN ADA COMPLIANT ACCESS TO ALL EXISTING PEDESTRIAN FACILITIES DURING ALL PHASES OF CONSTRUCTION. CONSTRUCT TEMPORARY ADA COMPLIANT PEDESTRIAN ROUTE OPTION A OR B. ADA CRITERIA INCLUDES 5' WIDE DELINEATED PAVED PATH, RUNNING SLOPES NOT TO EXCEED 5%, CROSS SLOPE NOT TO EXCEED 2% WITH DETECTABLE WARNINGS SUCH AS TRUNCATED DOME RAMPS AT STREET CROSSINGS. DELINEATE PEDESTRIAN DETOUR ROUTE WITH 4 INCH STRIPING AND TRAFFIC CONES.
3. SHIFT HILLCREST DRIVE TRAFFIC TO THE WEST ON TO NEWLY CONSTRUCTED PAVEMENT (CONSTRUCTED IN PHASE 1B) AND UTILIZE A ONE-LANE TWO-WAY OPERATION (WITH FLAGGING) AND NARROW LANE WIDTH TO 11FT. THIS PHASE OF WORK WILL BE ALLOWED FRIDAY NIGHT THROUGH MONDAY MORNING ONLY, PER SPECIFICATION.
4. ESTABLISH WORK AREA USING CHANNELIZING DEVICES AND WITHIN PHASE 1B WORK AREA, CONSTRUCT PROPOSED SOUTHBOUND HILLCREST DRIVE.
5. SUB-PHASES 1A - 1C WORK AREA CAN BE CONSTRUCTED THROUGHOUT ANY OF PHASE 1'S STAGES.



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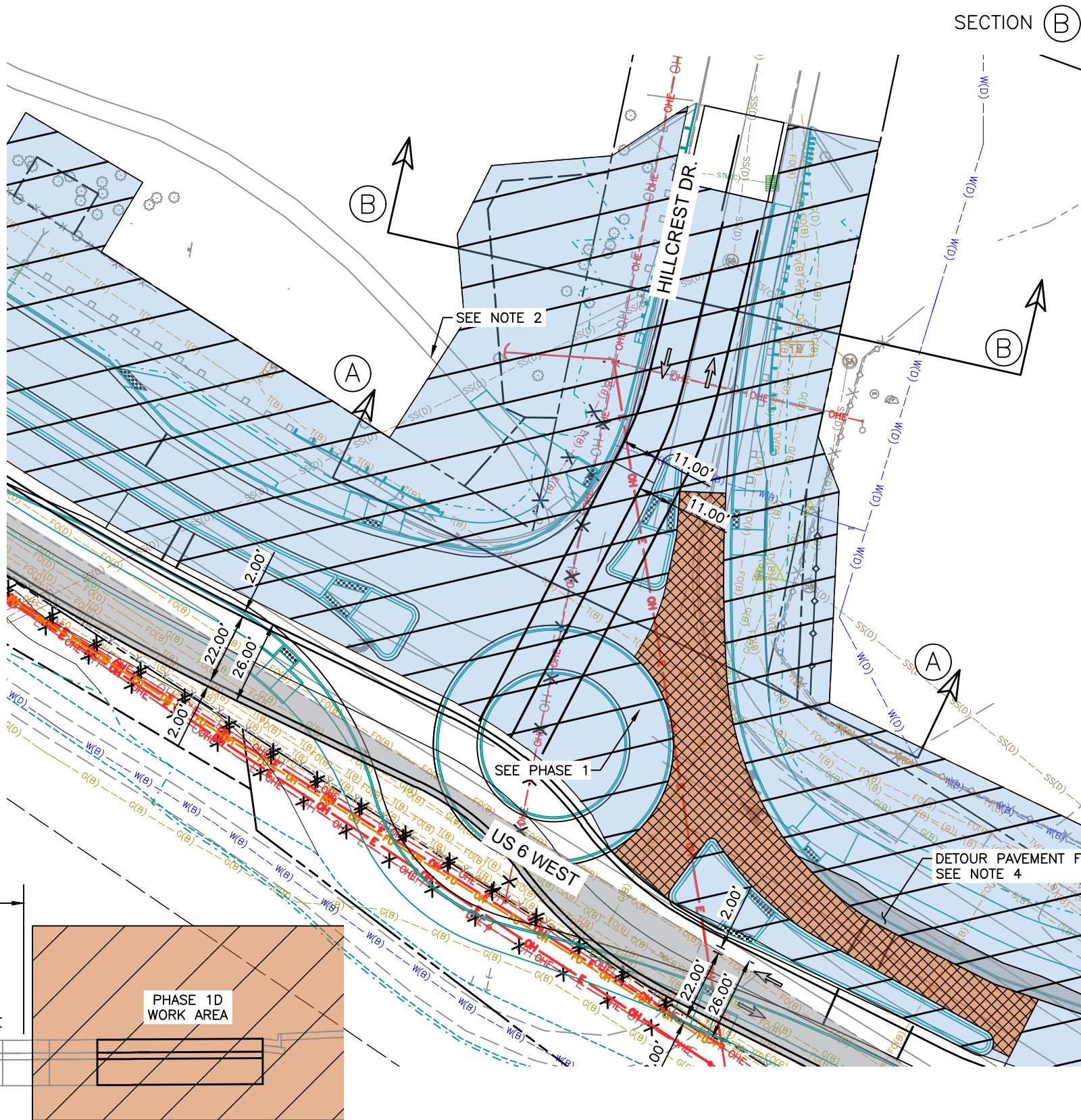
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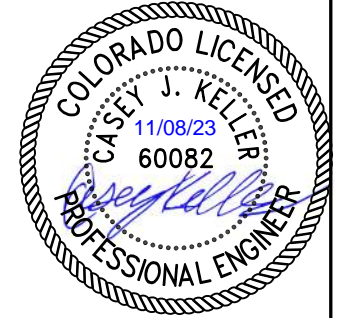
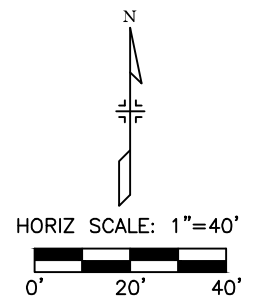
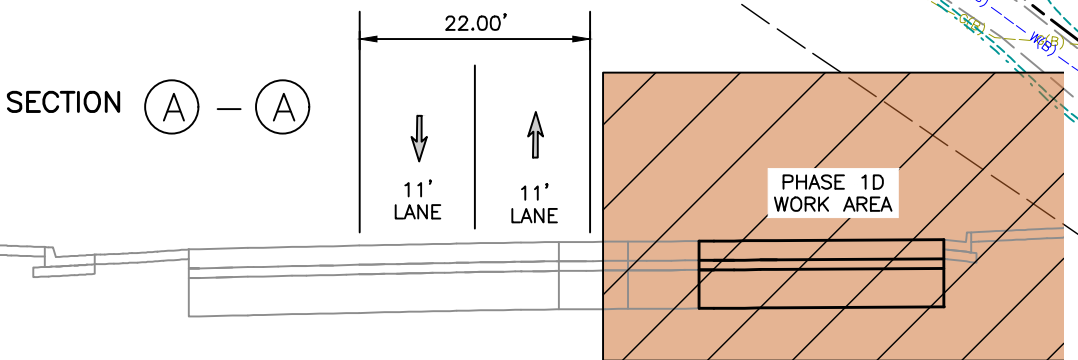
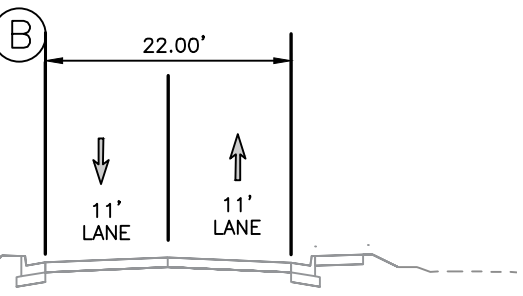


LEGEND

- COMPLETED PHASE 1 WORK
- PHASE 1D WORK AREA
- PHASE 1D WORK AREA - CONCRETE PAVING
- DETOUR PAVEMENT
- BARRIER (TEMPORARY)
- DRUM CHANNELIZING DEVICE
- FUTURE CONSTRUCTION (SHOWN FOR REFERENCE)



- PRE-PHASE NOTE:**
- SHIFT HILLCREST TRAFFIC ONTO NEW PAVEMENT. CONSTRUCT NORTHEAST PORTION OF THE ROUNDABOUT AND US6 IN CONCRETE; USE STANDARD S-630-1 CASE 11.
- PHASING NOTES, PHASE 1D:**
1. MAINTAIN ACCESS TO EAGLE RIVER WATER & SANITIZATION DISTRICT DURING ALL PHASES OF CONSTRUCTION.
 2. MAINTAIN ADA COMPLIANT ACCESS TO ALL EXISTING PEDESTRIAN FACILITIES DURING ALL PHASES OF CONSTRUCTION. CONSTRUCT TEMPORARY ADA COMPLIANT PEDESTRIAN ROUTE. ADA CRITERIA INCLUDES 5' WIDE DELINEATED PAVED PATH, RUNNING SLOPES NOT TO EXCEED 5%, CROSS SLOPE NOT TO EXCEED 2% WITH DETECTABLE WARNINGS SUCH AS TRUNCATED DOME RAMPS AT STREET CROSSINGS. DELINEATE PEDESTRIAN DETOUR ROUTE WITH 4 INCH STRIPING AND TRAFFIC CONES.
 3. SHIFT TRAFFIC ONTO NEW PAVEMENT CONSTRUCTED IN PREVIOUS PHASES AND OPERATE NORMAL LANE WIDTHS.
 4. CONSTRUCT NORTHEAST CORNER OF ROUNDABOUT IN CONCRETE. CONSTRUCT US6 PAVEMENT TO GRADE. CONSTRUCT DETOUR PAVEMENT THAT ABUTS THE US6 CONCRETE PAVEMENT FOR PHASE 2 TRAFFIC.
 5. SUB-PHASES 1A - 1C WORK AREA CAN BE CONSTRUCTED THROUGHOUT ANY OF PHASE 1'S STAGES.

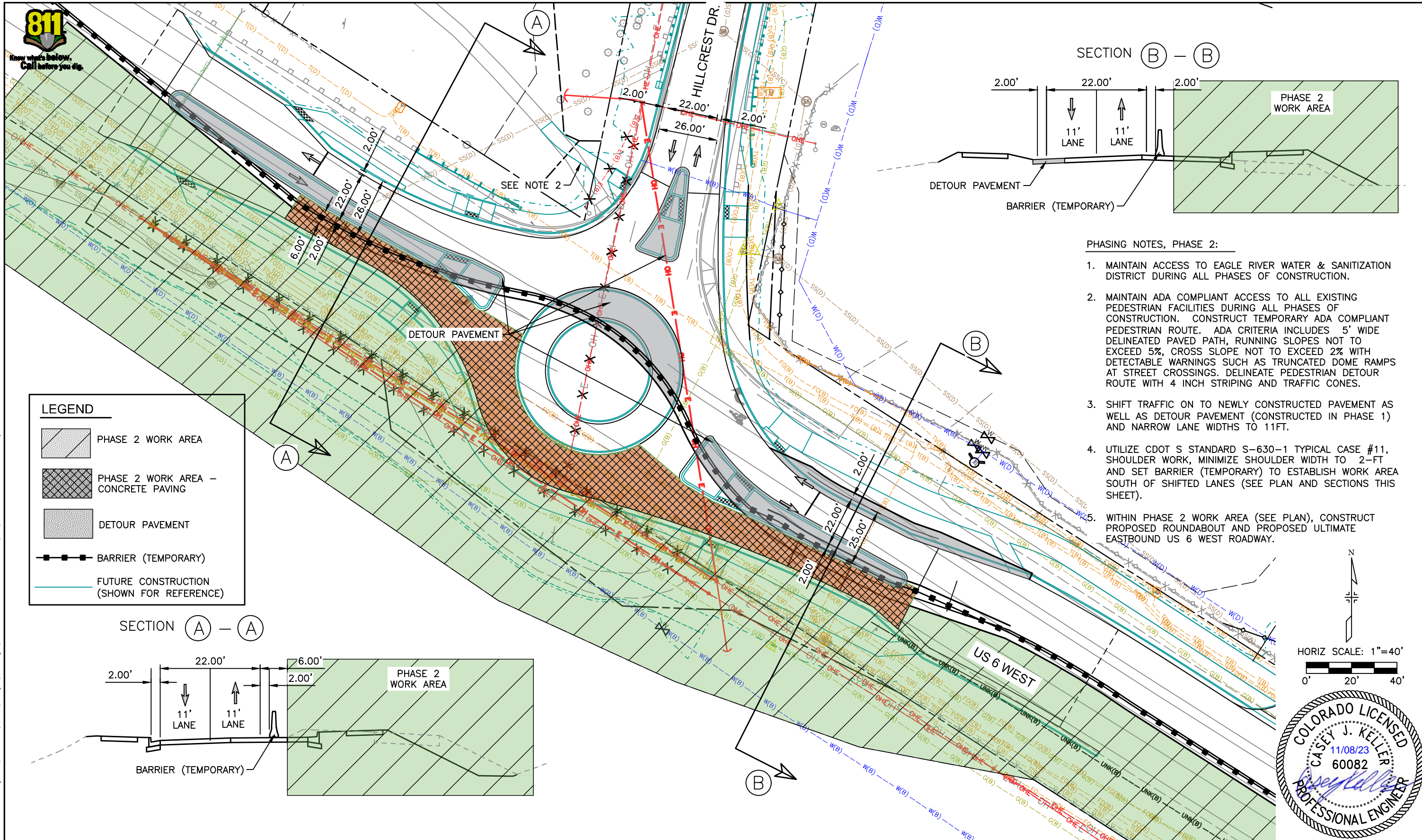


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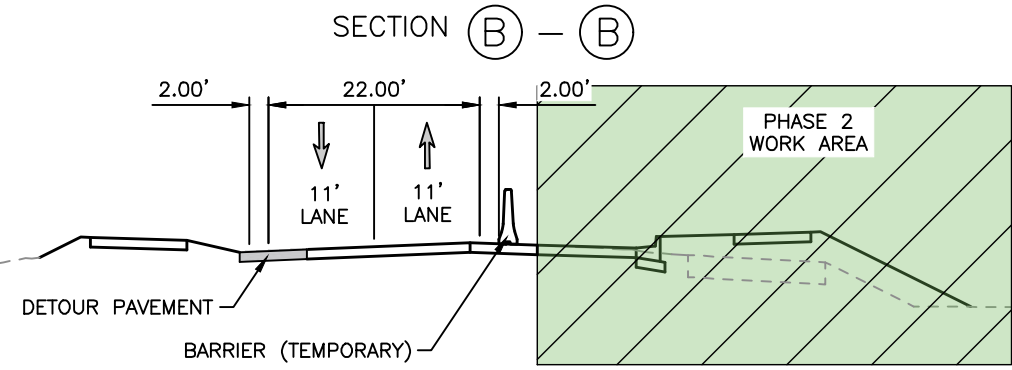
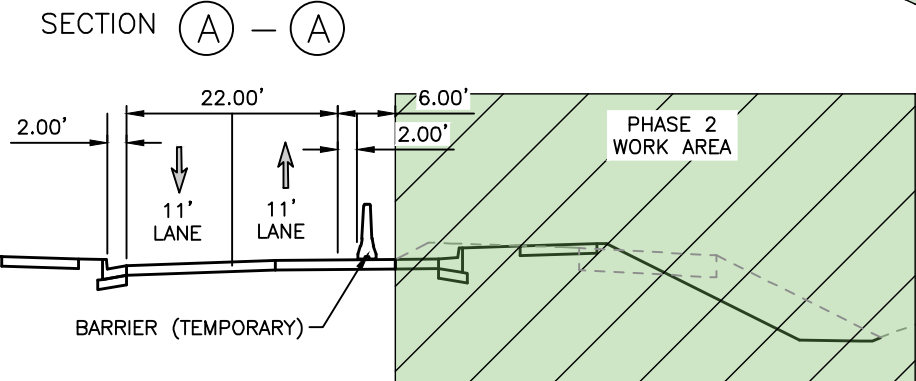


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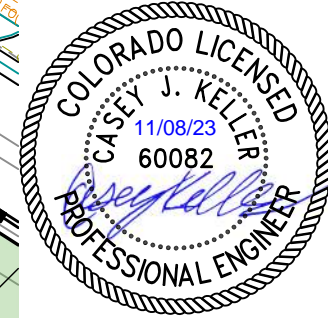
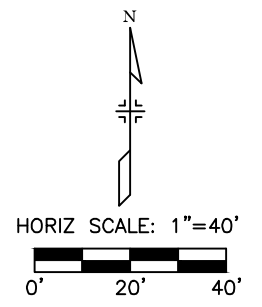


LEGEND

- PHASE 2 WORK AREA
- PHASE 2 WORK AREA - CONCRETE PAVING
- DETOUR PAVEMENT
- BARRIER (TEMPORARY)
- FUTURE CONSTRUCTION (SHOWN FOR REFERENCE)



- PHASING NOTES, PHASE 2:**
1. MAINTAIN ACCESS TO EAGLE RIVER WATER & SANITIZATION DISTRICT DURING ALL PHASES OF CONSTRUCTION.
 2. MAINTAIN ADA COMPLIANT ACCESS TO ALL EXISTING PEDESTRIAN FACILITIES DURING ALL PHASES OF CONSTRUCTION. CONSTRUCT TEMPORARY ADA COMPLIANT PEDESTRIAN ROUTE. ADA CRITERIA INCLUDES 5' WIDE DELINEATED PAVED PATH, RUNNING SLOPES NOT TO EXCEED 5%, CROSS SLOPE NOT TO EXCEED 2% WITH DETECTABLE WARNINGS SUCH AS TRUNCATED DOME RAMPS AT STREET CROSSINGS. DELINEATE PEDESTRIAN DETOUR ROUTE WITH 4 INCH STRIPING AND TRAFFIC CONES.
 3. SHIFT TRAFFIC ON TO NEWLY CONSTRUCTED PAVEMENT AS WELL AS DETOUR PAVEMENT (CONSTRUCTED IN PHASE 1) AND NARROW LANE WIDTHS TO 11FT.
 4. UTILIZE CDOT S STANDARD S-630-1 TYPICAL CASE #11, SHOULDER WORK, MINIMIZE SHOULDER WIDTH TO 2-FT AND SET BARRIER (TEMPORARY) TO ESTABLISH WORK AREA SOUTH OF SHIFTED LANES (SEE PLAN AND SECTIONS THIS SHEET).
 5. WITHIN PHASE 2 WORK AREA (SEE PLAN), CONSTRUCT PROPOSED ROUNDABOUT AND PROPOSED ULTIMATE EASTBOUND US 6 WEST ROADWAY.

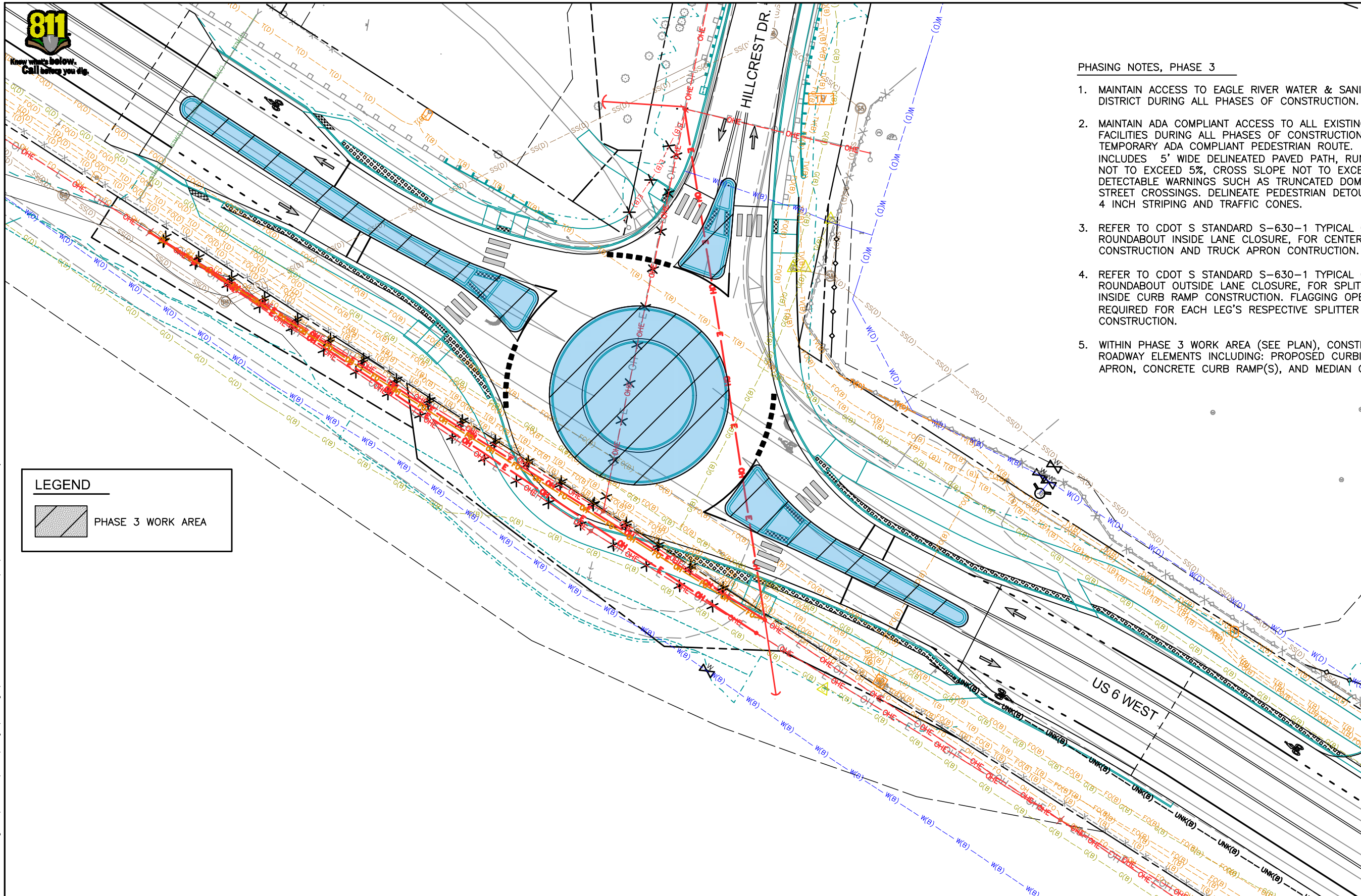


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 6400 S. Fiddlers Green Circle, Suite 1500
 Greenwood Village, CO 80111
 Phone: 303.721.1440
 www.FHUENG.com




Know what's below.
Call before you dig.




- PHASING NOTES, PHASE 3
1. MAINTAIN ACCESS TO EAGLE RIVER WATER & SANITIZATION DISTRICT DURING ALL PHASES OF CONSTRUCTION.
 2. MAINTAIN ADA COMPLIANT ACCESS TO ALL EXISTING PEDESTRIAN FACILITIES DURING ALL PHASES OF CONSTRUCTION. CONSTRUCT TEMPORARY ADA COMPLIANT PEDESTRIAN ROUTE. ADA CRITERIA INCLUDES 5' WIDE DELINEATED PAVED PATH, RUNNING SLOPES NOT TO EXCEED 5%, CROSS SLOPE NOT TO EXCEED 2% WITH DETECTABLE WARNINGS SUCH AS TRUNCATED DOME RAMPS AT STREET CROSSINGS. DELINEATE PEDESTRIAN DETOUR ROUTE WITH 4 INCH STRIPING AND TRAFFIC CONES.
 3. REFER TO CDOT S STANDARD S-630-1 TYPICAL CASE NO. #31, ROUNDABOUT INSIDE LANE CLOSURE, FOR CENTER ISLAND CURB CONSTRUCTION AND TRUCK APRON CONSTRUCTION.
 4. REFER TO CDOT S STANDARD S-630-1 TYPICAL CASE #32, ROUNDABOUT OUTSIDE LANE CLOSURE, FOR SPLITTER ISLAND AND INSIDE CURB RAMP CONSTRUCTION. FLAGGING OPERATIONS REQUIRED FOR EACH LEG'S RESPECTIVE SPLITTER ISLAND CONSTRUCTION.
 5. WITHIN PHASE 3 WORK AREA (SEE PLAN), CONSTRUCT VARIOUS ROADWAY ELEMENTS INCLUDING: PROPOSED CURBING, TRUCK APRON, CONCRETE CURB RAMP(S), AND MEDIAN COVER MATERIAL.


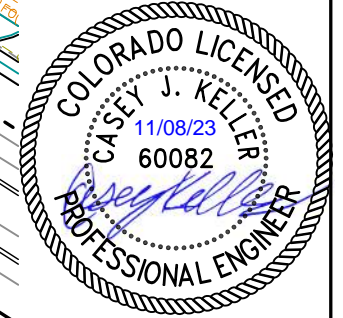
LEGEND

 PHASE 3 WORK AREA


N




HORIZ SCALE: 1"=40'

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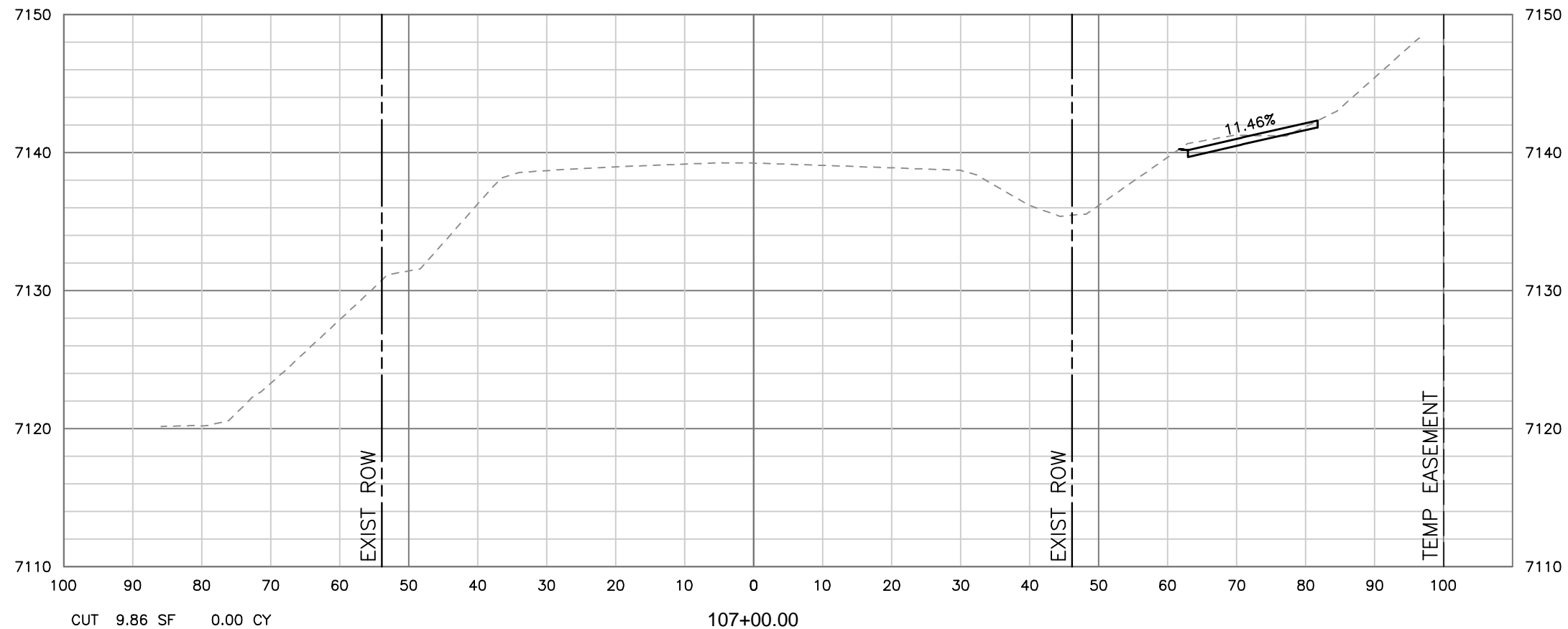
ENGINEERING
P.O. BOX
500 BROADWAY
EAGLE, CO 81631

AS CONSTRUCTED
NO. REVISIONS:
REVISED:
VOID:

US 6 & HILLCREST ROUNDABOUT SUGGESTED CONSTRUCTION PHASING PLAN PHASE 3	
Designer: CJK	STRUCTURE NUMBERS
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Sheet Subset: ROADWAY	CP-08

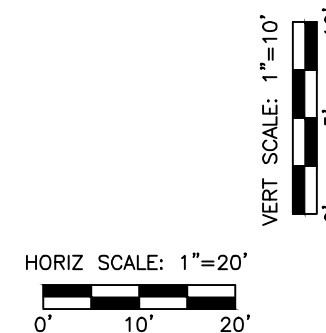
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CUT 9.86 SF 0.00 CY
 FILL 0.10 SF 0.00 CY

107+00.00



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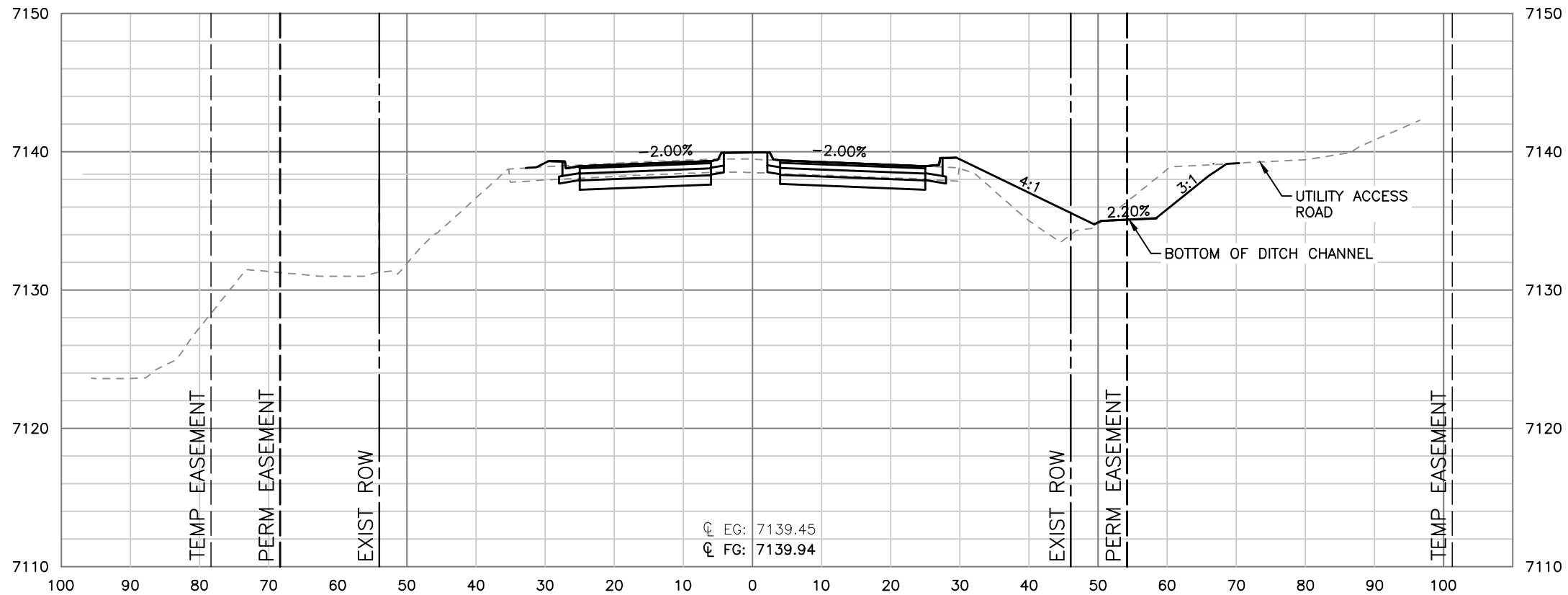
ENGINEERING
 P.O. BOX
 500 BROADWAY
 EAGLE, CO 81631

AS CONSTRUCTED
NO. REVISIONS:
REVISED:
VOID:

US 6 & HILLCREST ROUNDABOUT	
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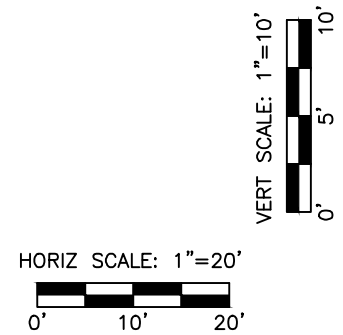
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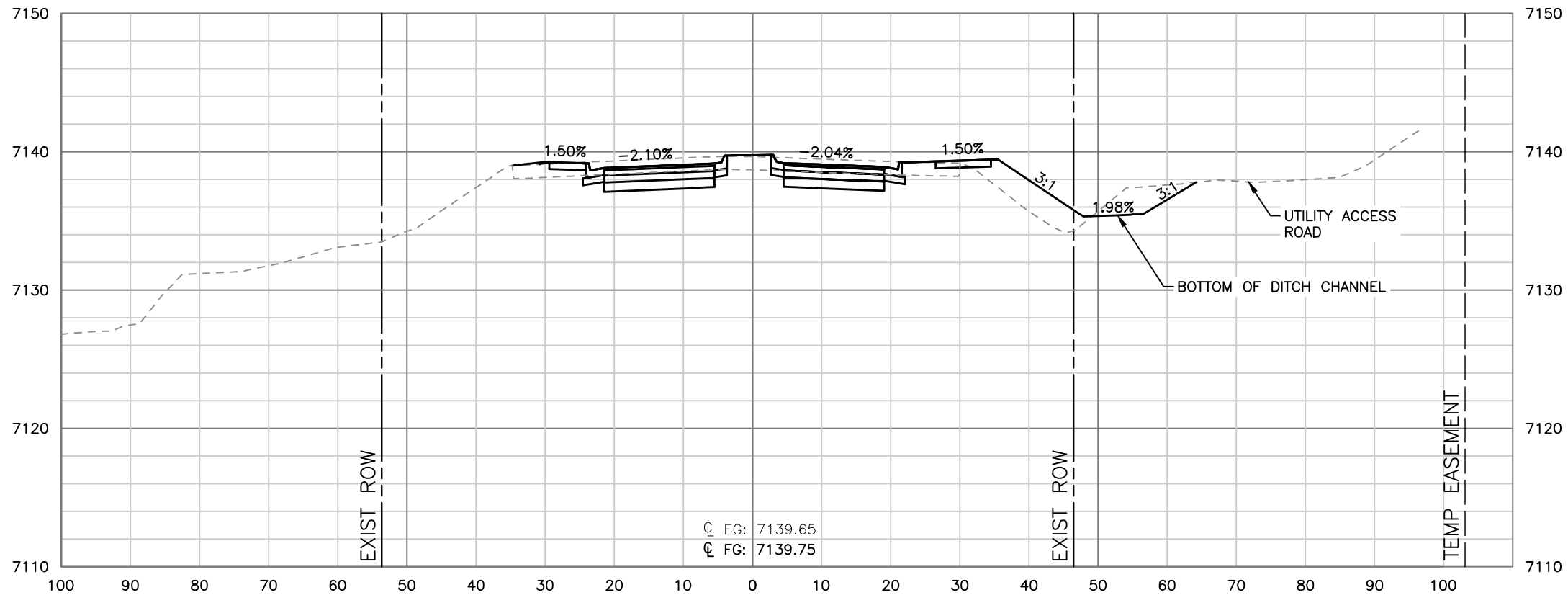


CUT 123.27 SF 123.27 CY
 FILL 29.81 SF 29.81 CY

107+50.00



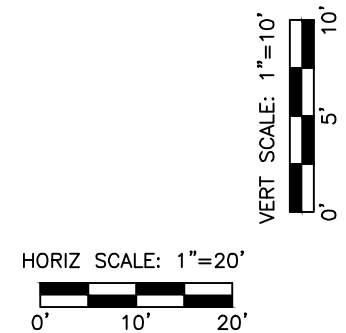
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6400 S. Fiddlers Green Circle, Suite 1500 Greenwood Village, CO 80111 Phone: 303.721.1440 www.FHUENG.com				VOID:	Sheet Subset: ROADWAY	XS-02	103





CUT 117.53 SF 222.96 CY
 FILL 28.79 SF 54.26 CY

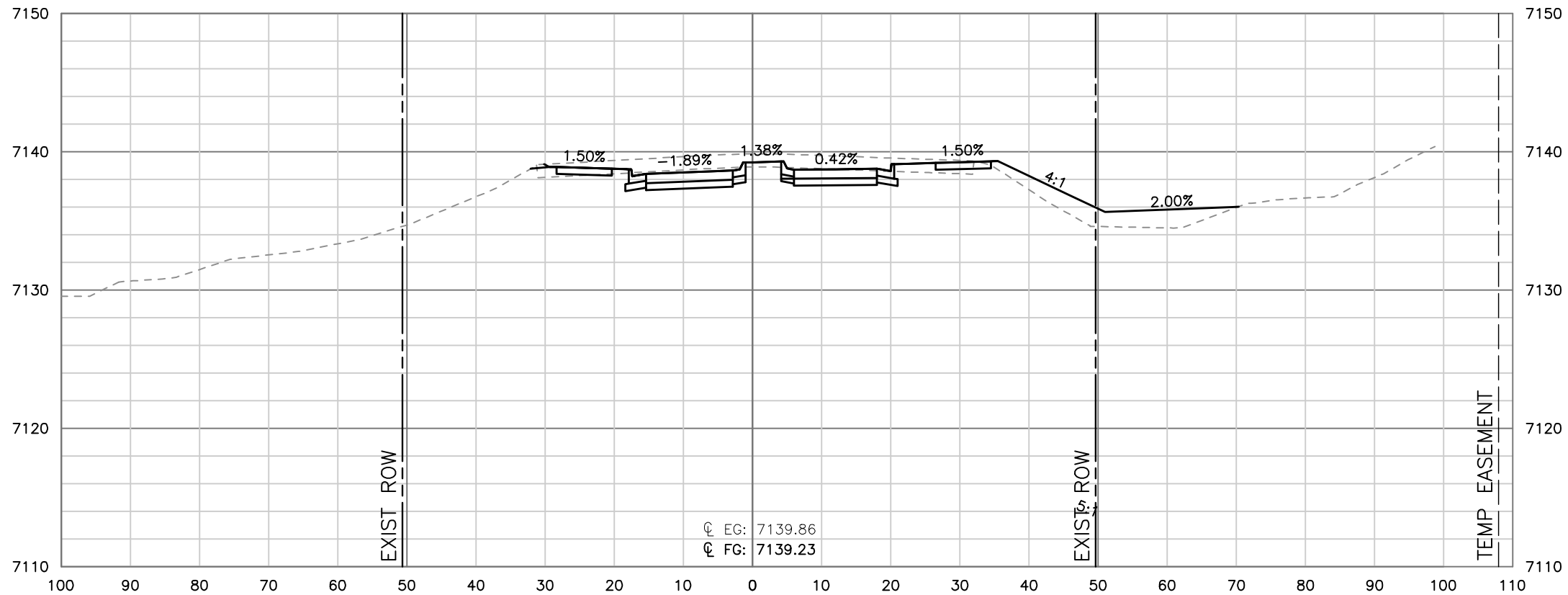
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CL EG: 7139.65
 CL FG: 7139.75



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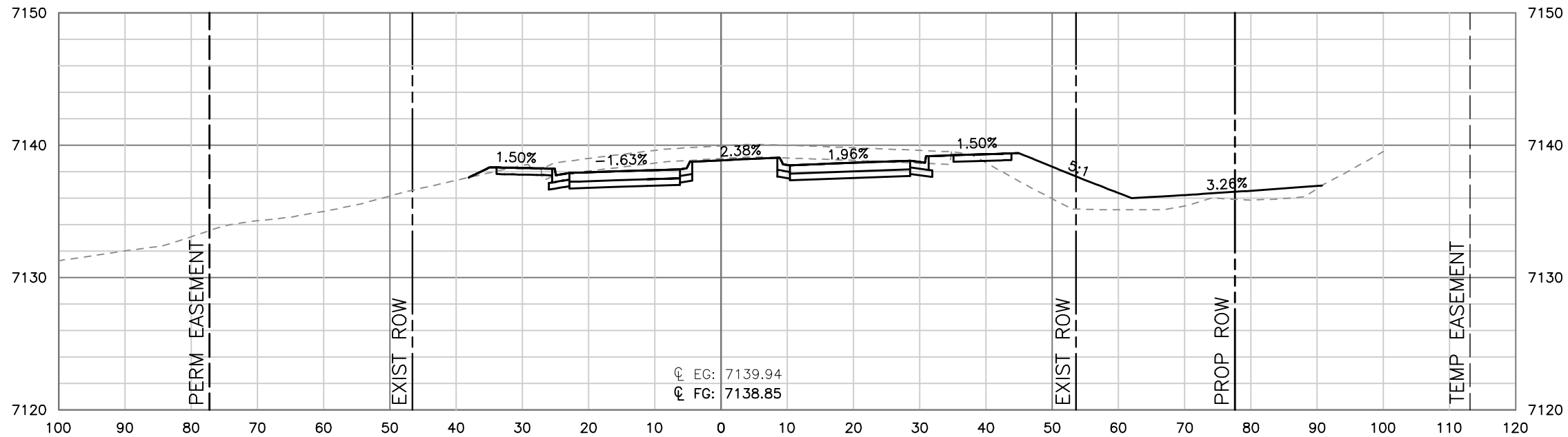
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CUT 102.58 SF 203.81 CY
 FILL 37.41 SF 61.30 CY

108+50.00

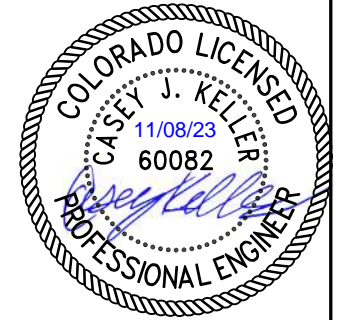
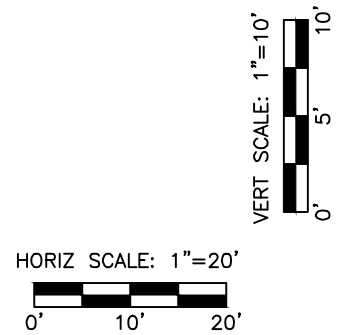
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 ℄ FG: 7139.23



CUT 149.46 SF 233.37 CY
 FILL 60.76 SF 90.90 CY

109+00.00

℄ EG: 7139.94
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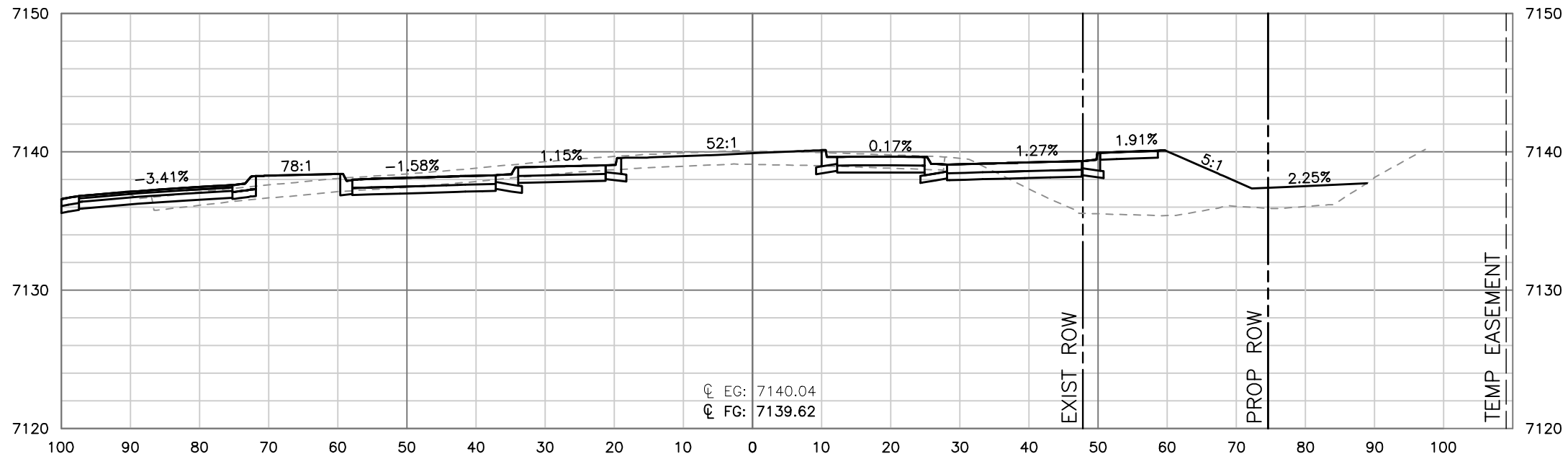
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AS CONSTRUCTED
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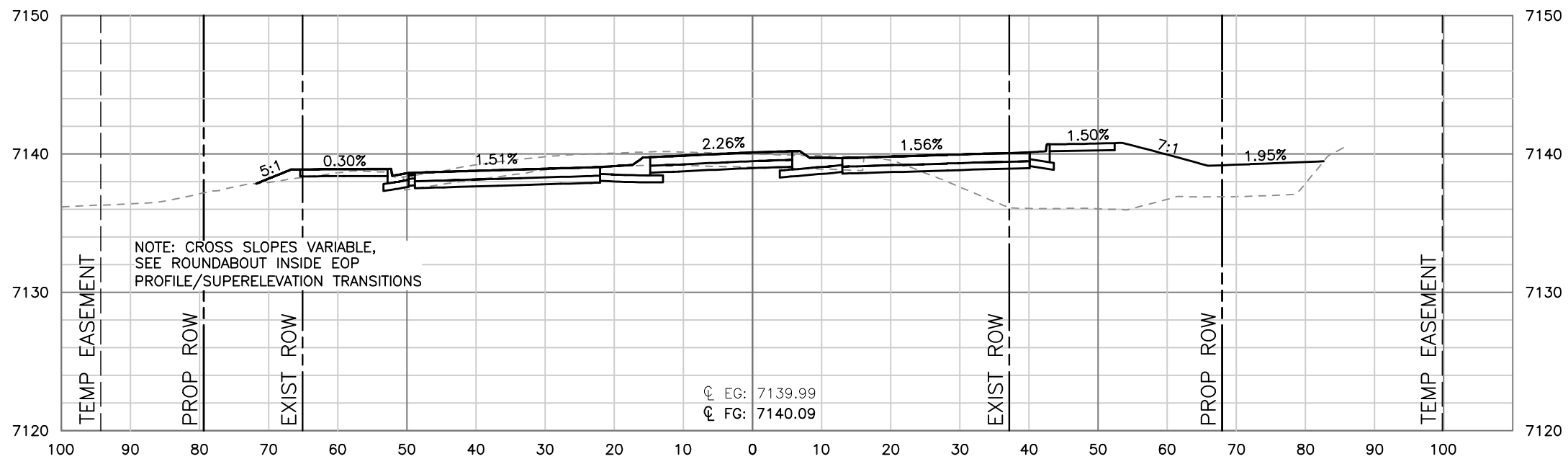
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ROADWAY CROSS SECTIONS US 6		
STA 108+50.00 TO STA 109+00.00		
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PROJECT NO./CODE
118339-01
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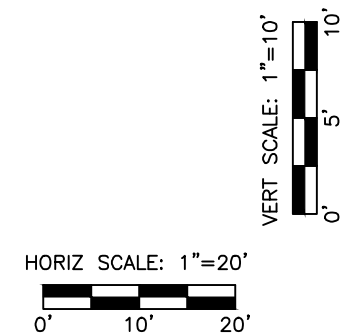
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109+50.00





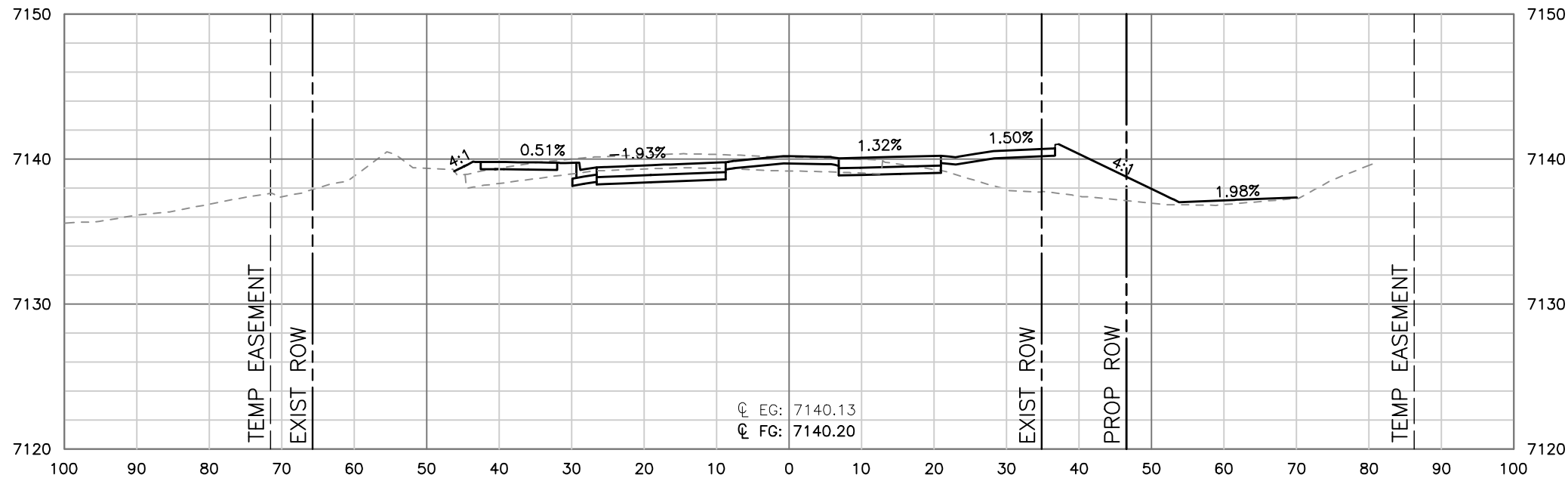
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110+00.00



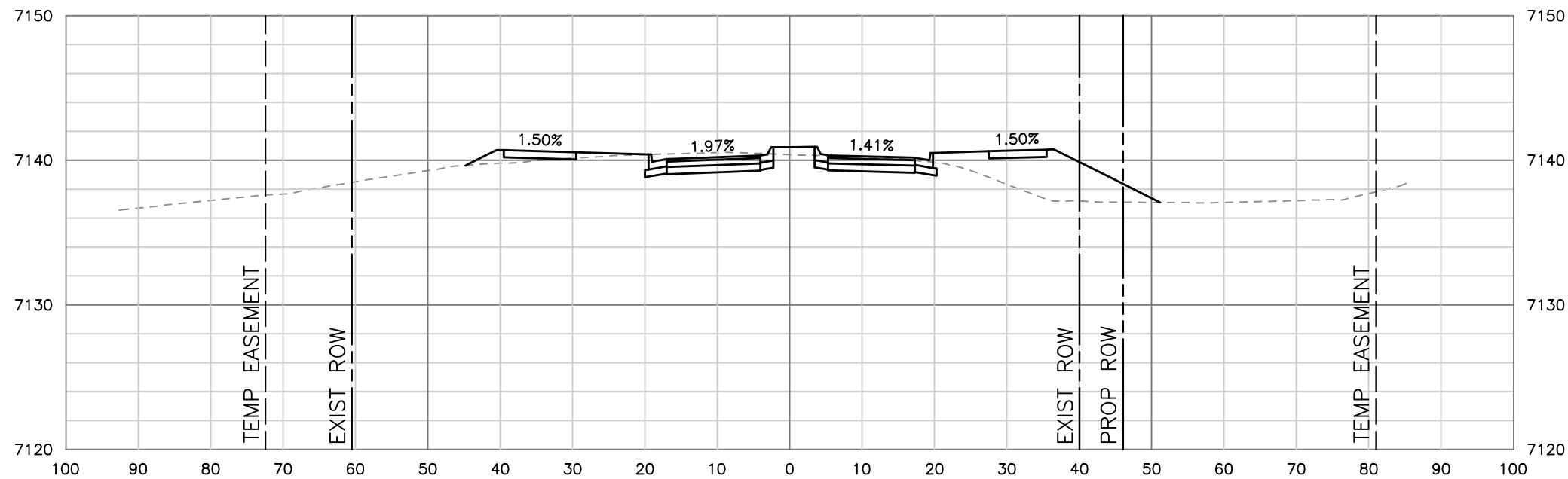
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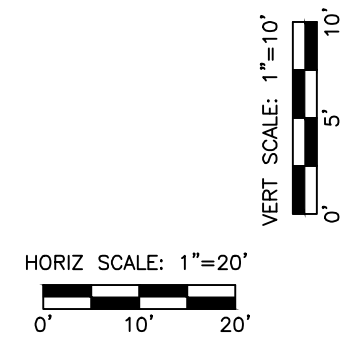
CUT 74.80 SF 174.42 CY
 FILL 70.84 SF 211.41 CY

110+50.00



CUT 50.23 SF 115.77 CY
 FILL 61.29 SF 122.34 CY

111+00.00



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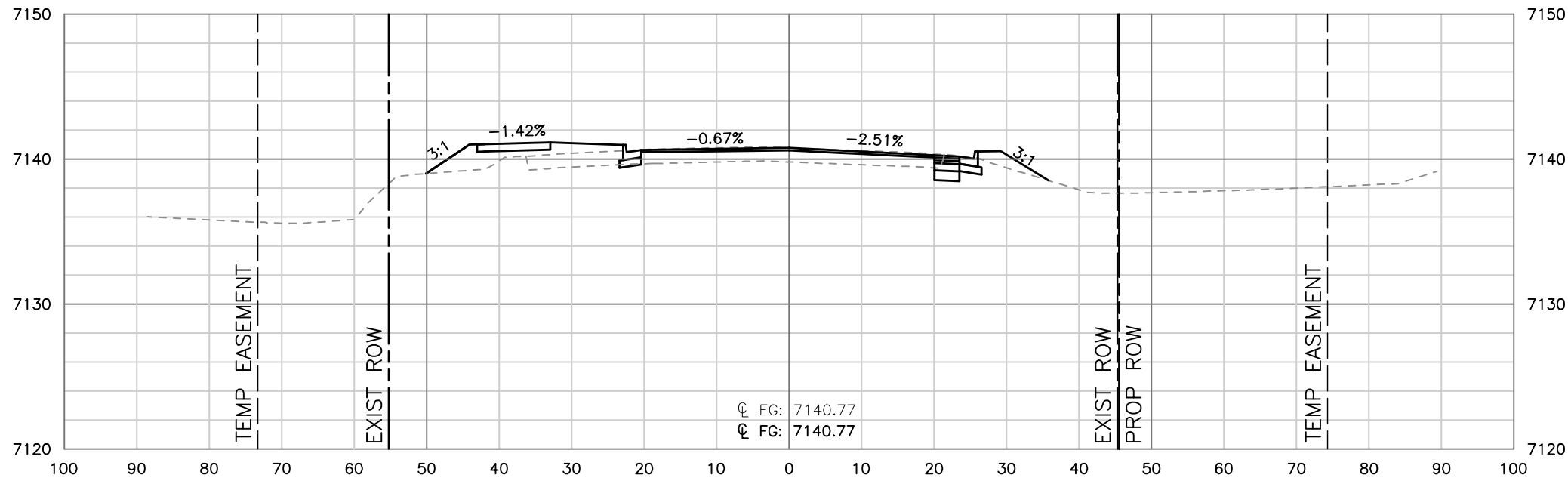
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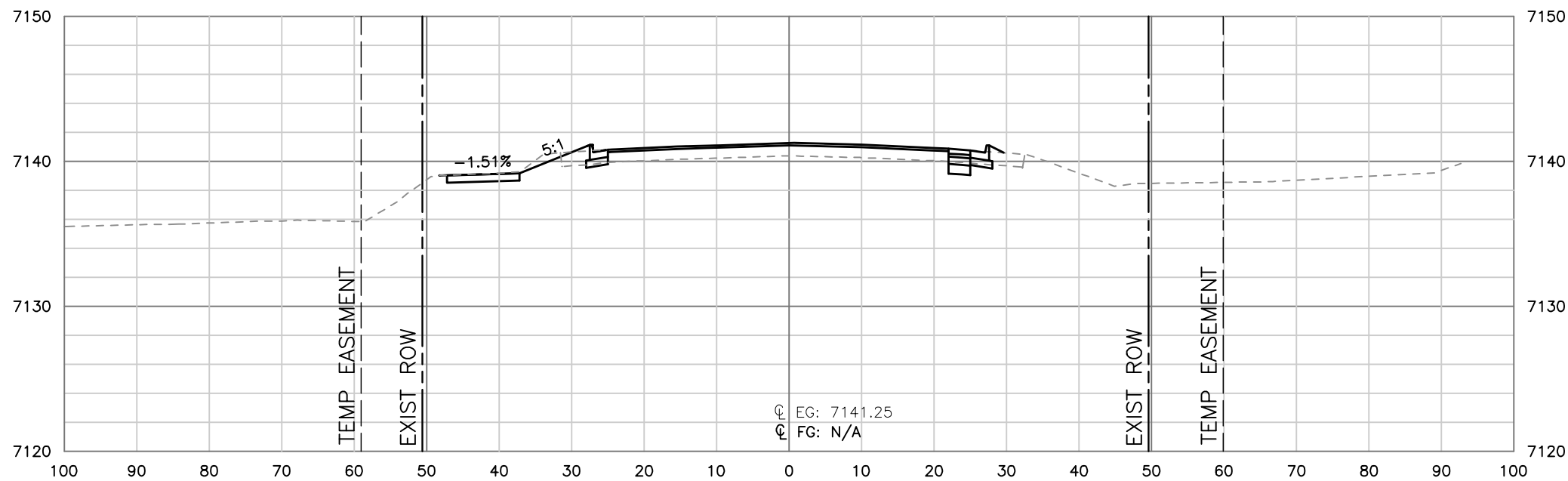
US 6 & HILLCREST ROUNDABOUT		
ROADWAY CROSS SECTIONS US 6		
STA 110+50.00 TO STA 111+00.00		
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PROJECT NO./CODE
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107



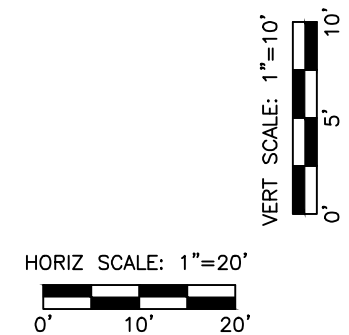
CUT 21.73 SF 66.63 CY
 FILL 24.83 SF 79.74 CY

111+50.00



CUT 27.35 SF 45.44 CY
 FILL 0.57 SF 23.52 CY

112+00.00



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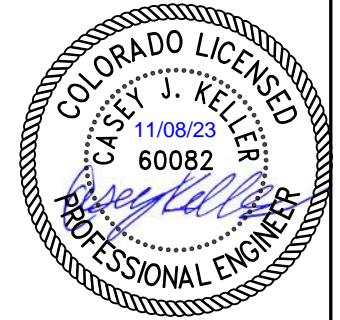
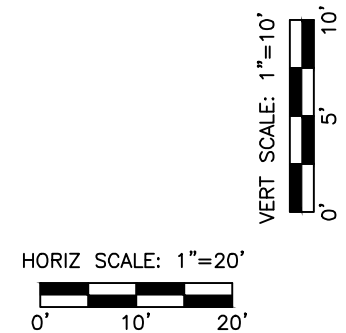
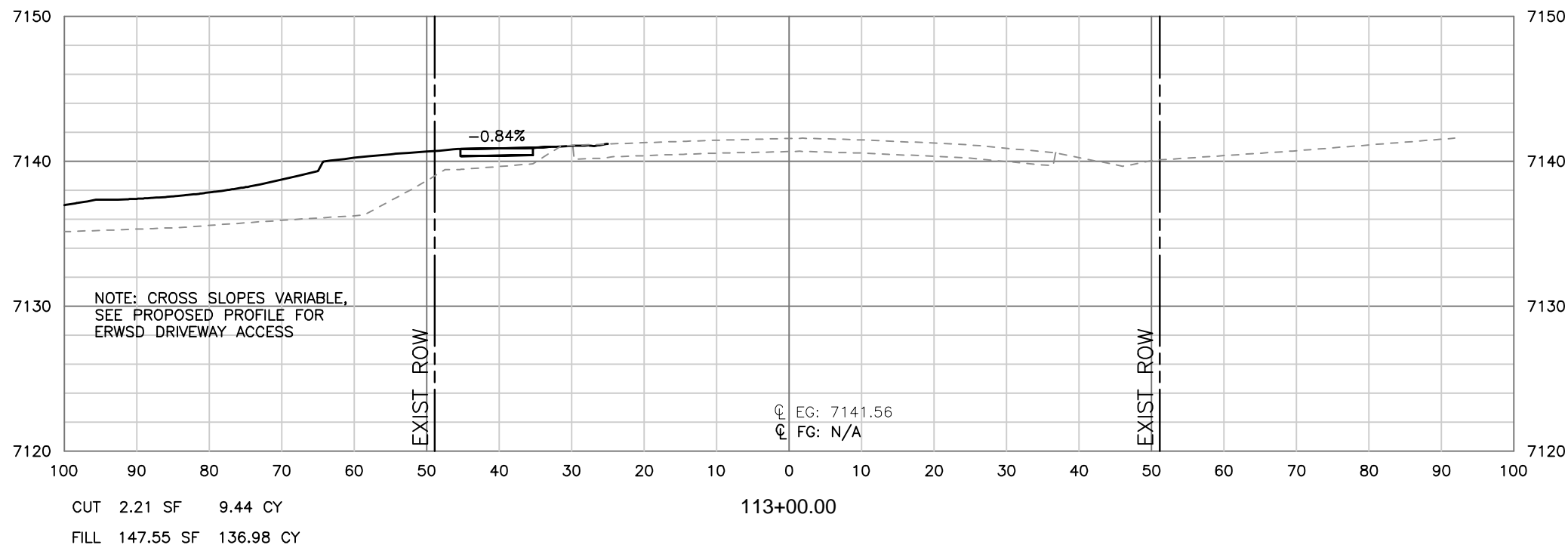
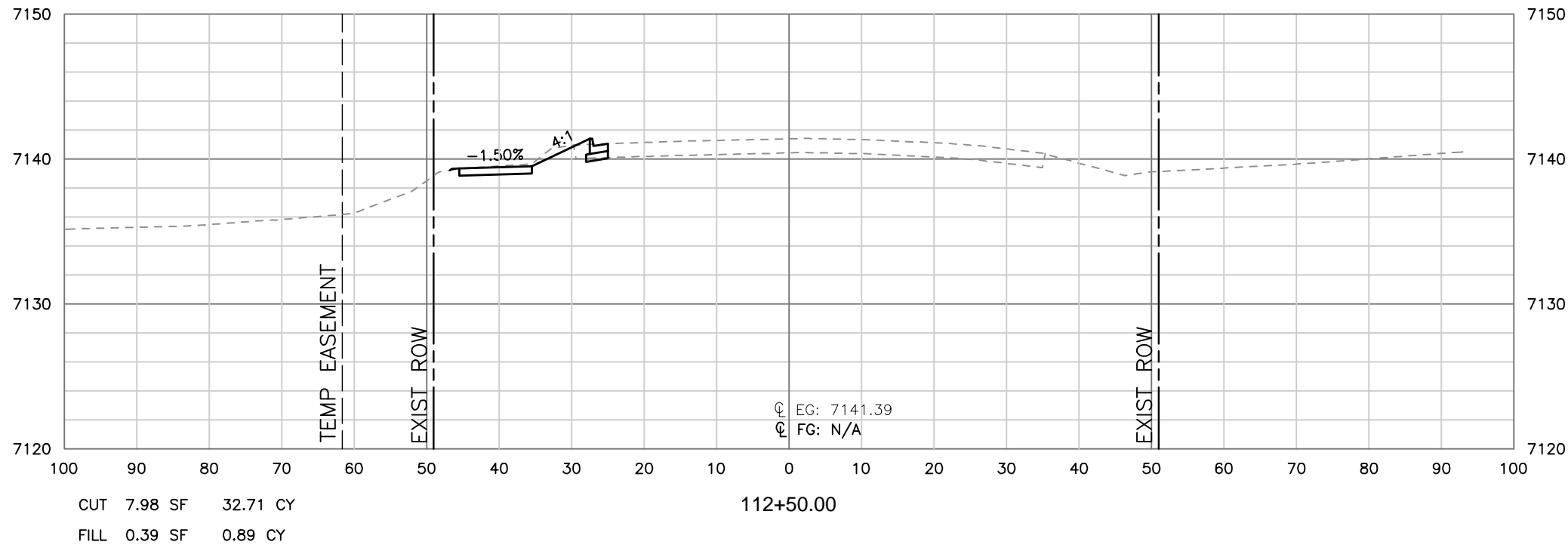
US 6 & HILLCREST ROUNDABOUT
ROADWAY CROSS SECTIONS US 6
STA 111+50.00 TO STA 112+00.00



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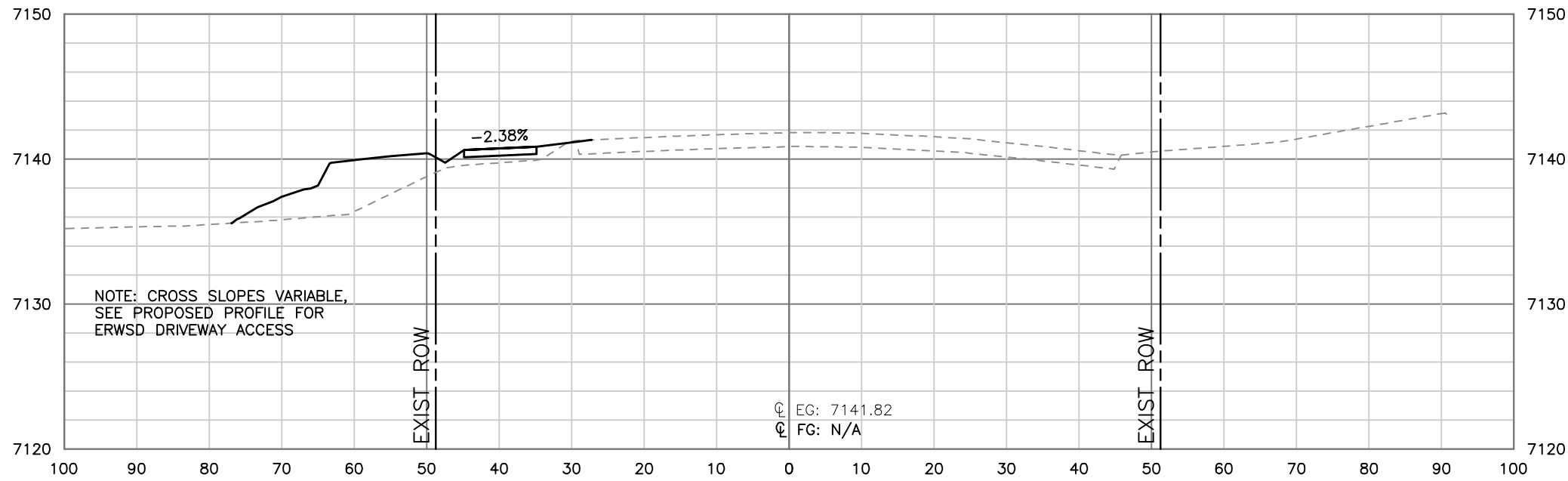
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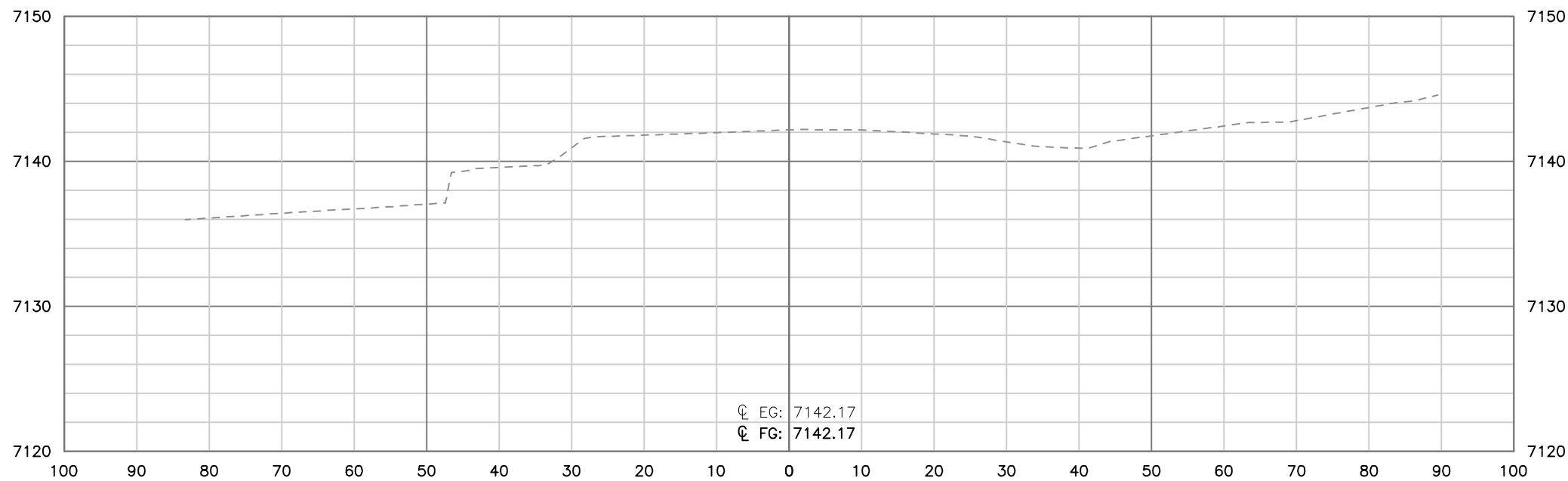
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 FELSBURG HOLT & ULLEVIG 6400 S. Fiddlers Green Circle, Suite 1500 Greenwood Village, CO 80111 Phone: 303.721.1440 www.FHUENG.com			DESIGNED BY: CJK	STRUCTURE		
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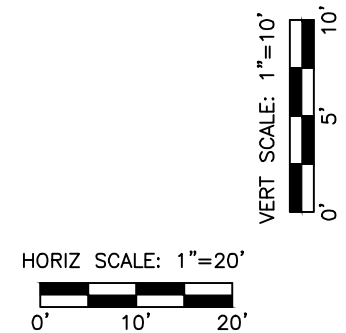
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113+50.00

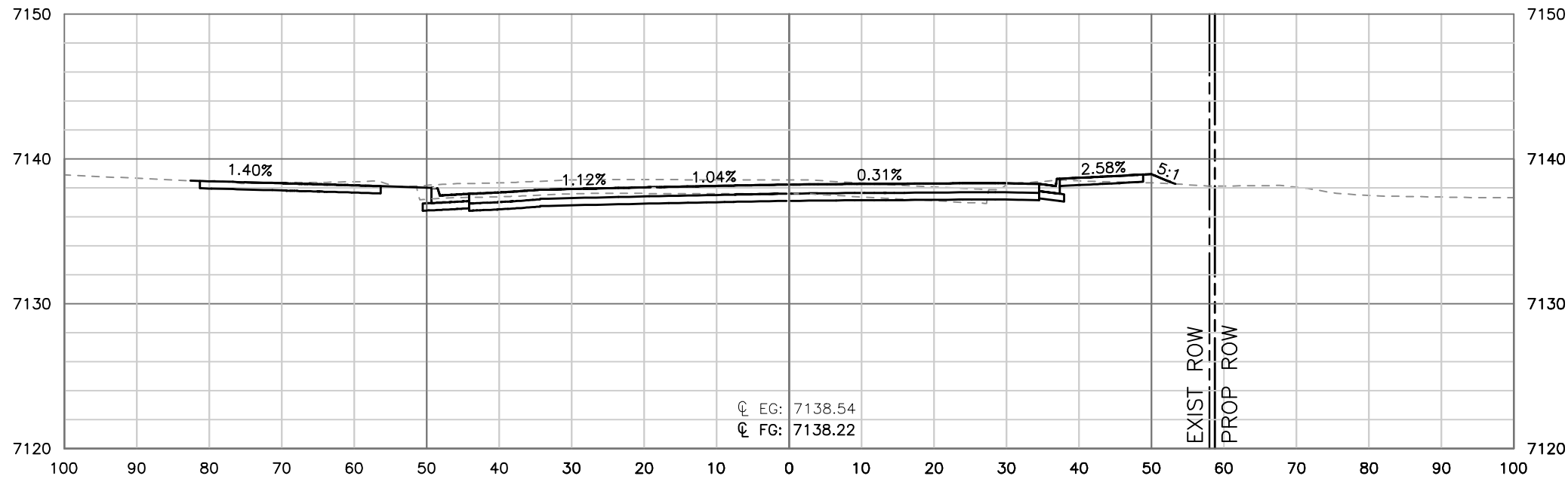


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114+00.00



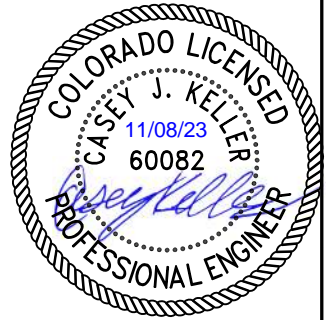
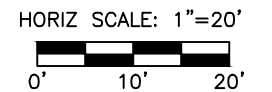
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6400 S. Fiddlers Green Circle, Suite 1500 Greenwood Village, CO 80111 Phone: 303.721.1440 www.FHUENG.com				VOID:	Sheet Subset: ROADWAY		110





CL EG: 7138.54
 CL FG: 7138.22

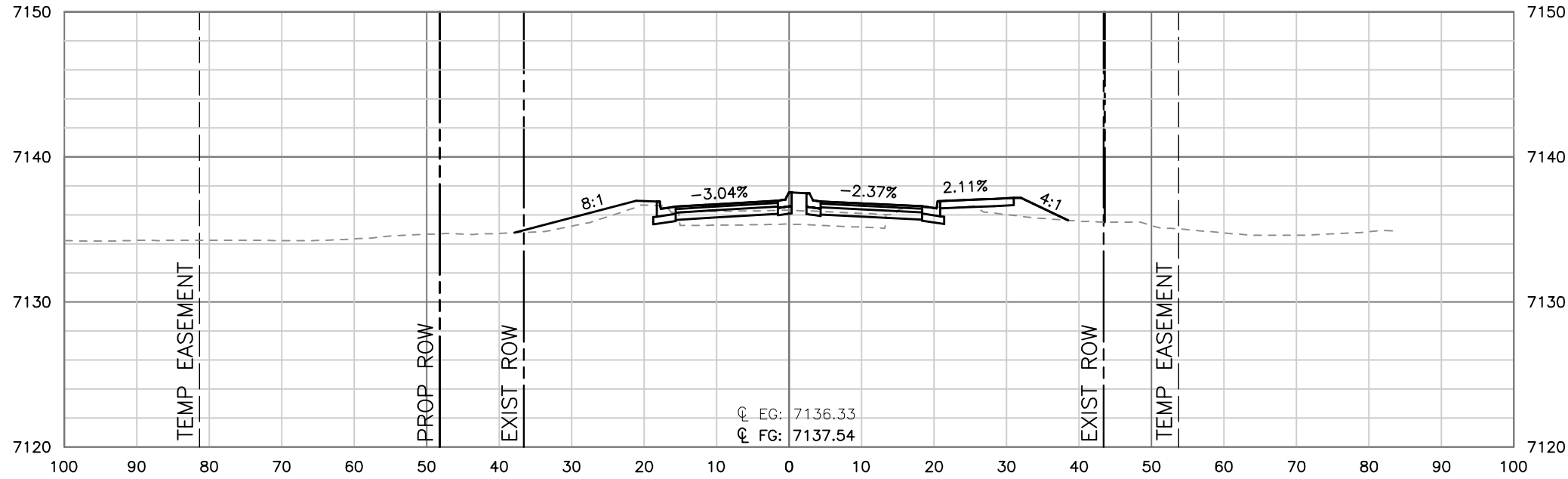
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200+50.00



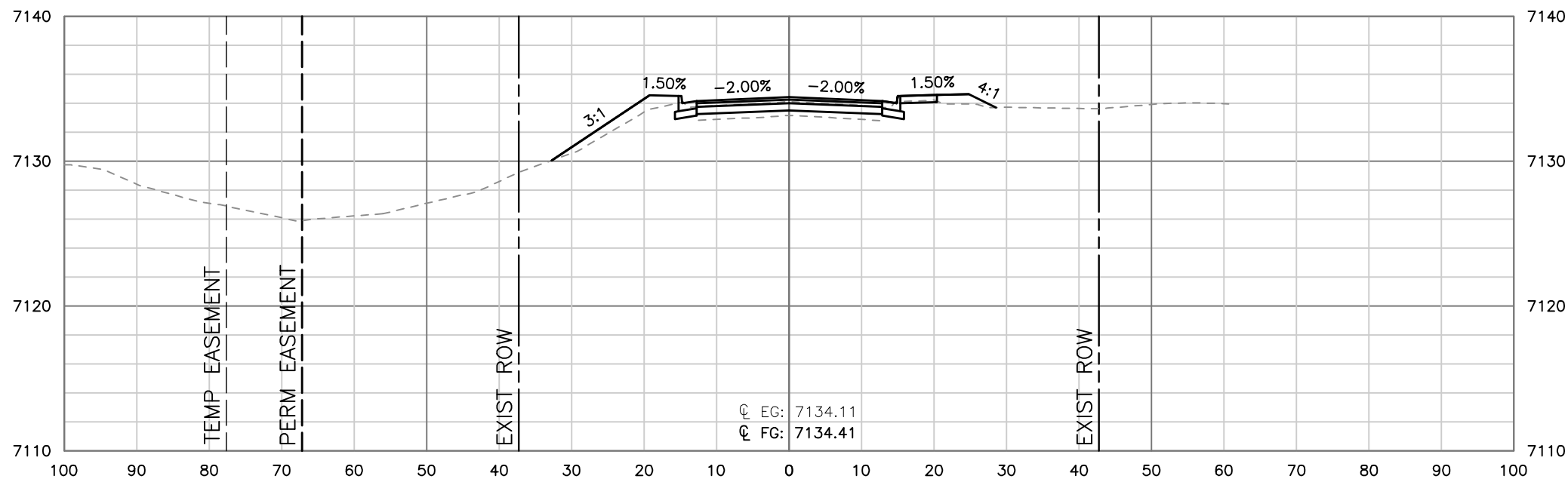
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 6400 S. Fiddlers Green Circle, Suite 1500 Greenwood Village, CO 80111 Phone: 303.721.1440 www.FHUENG.com	VOID:	Detailer: SWD	Sheet Subset: ROADWAY		XS-10	111	



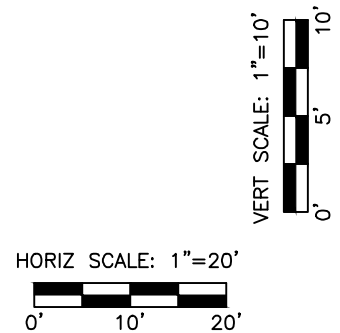
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201+00.00





CUT 20.19 SF 35.58 CY
 FILL 15.17 SF 28.24 CY

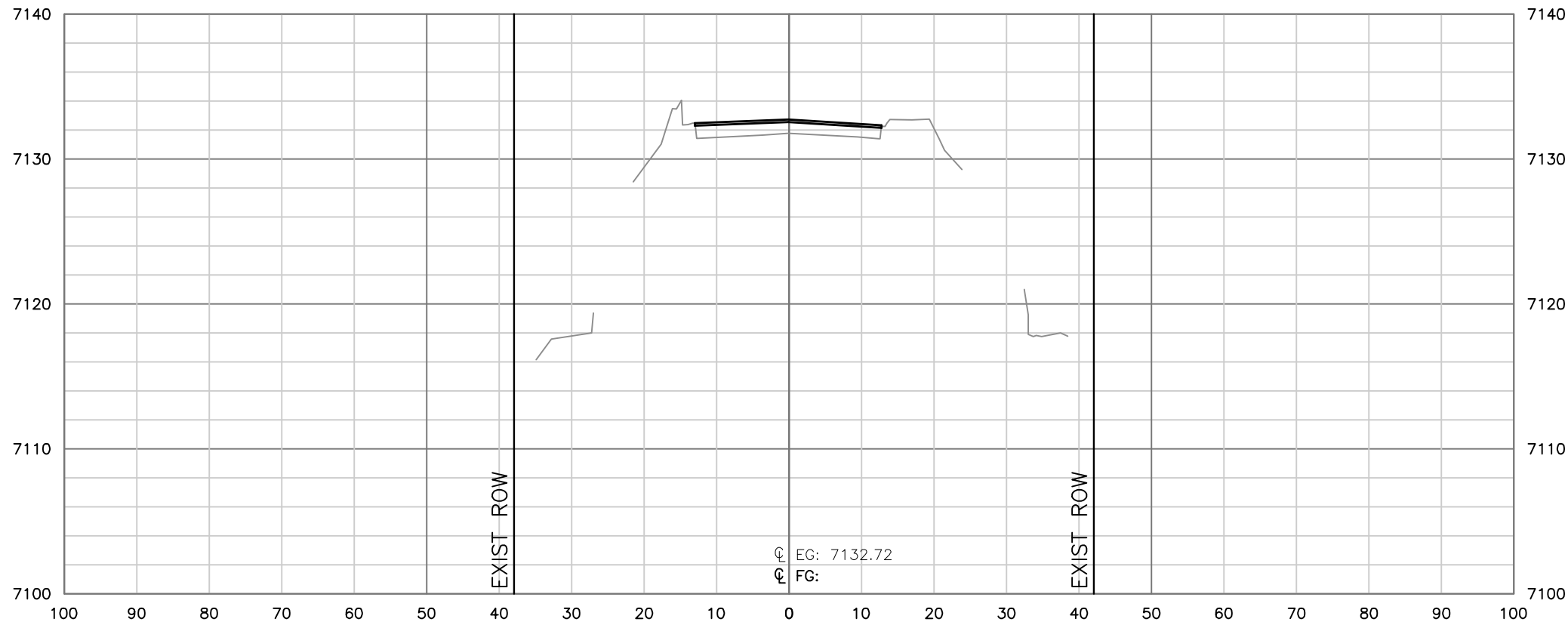
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PRINT DATE: 11/01/2023 11:32 AM	Sheet Status		ENGINEERING P.O. BOX 500 BROADWAY EAGLE, CO 81631	AS CONSTRUCTED	US 6 & HILLCREST ROUNDABOUT ROADWAY CROSS SECTIONS HILLCREST STA 201+00.00 TO STA 201+50.00	PROJECT NO./CODE	
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				REVISOR: SWD			XS-11
6400 S. Fiddlers Green Circle, Suite 1500 Greenwood Village, CO 80111 Phone: 303.721.1440 www.FHUENG.com				VOID:			

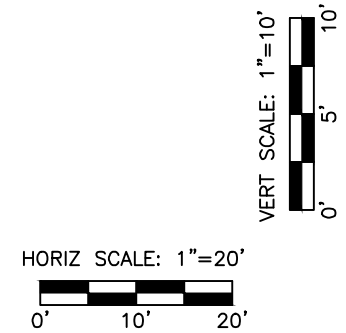
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CUT 0.00 SF 18.69 CY
 FILL 0.00 SF 14.05 CY

202+00.00

EG: 7132.72
 FG:



PRINT DATE: 11/01/2023 11:32 AM	Sheet Status		ENGINEERING P.O. BOX 500 BROADWAY EAGLE, CO 81631	AS CONSTRUCTED	US 6 & HILLCREST ROUNDABOUT		PROJECT NO./CODE
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Horizontal Scale: 1" = 20' Vertical Scale: 1" = 10'	AD PLAN SET			NO. REVISIONS:	STA 202+00.00		118339-01
				DESIGNER: CJK	STRUCTURE NUMBERS		
6400 S. FIDDLERS GREEN CIRCLE, SUITE 1500 GREENWOOD VILLAGE, CO 80111 PHONE: 303.721.1440 WWW.FHUENG.COM				DETAILER: SWD			
				VOID:	SHEET SUBSET: ROADWAY	XS-12	113

Colorado Department of Transportation



222 South 6th Street
Room 317
Grand Junction, CO 81501
Phone: 970-683-6224

Region 3 Right of Way DCH

4201 E. Yale Ave., Suite 230
Denver, CO 80222
303.859.4491



Sheet Revisions

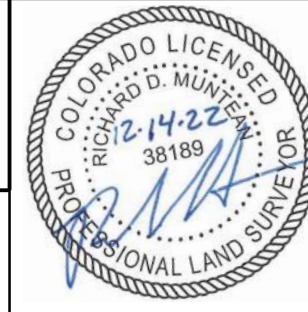
Date	Description	Initials



EAGLE COUNTY
COLORADO
500 BROADWAY STREET
EAGLE, COLORADO 81631
(970)328-8600



6400 S. Fiddlers Green Circle, STE 1500
Greenwood Village, CO 80111



Right of Way Plans
Title Sheet

Project Number:			
Project Location: U.S. 6 at Hillcrest Dr.			
Eagle County			
Project Code:	Last Mod. Date:	Subset:	Sheet No.:
12-13-2022	12-13-2022	1.01 to 1.01	1.01

EAGLE COUNTY STATE OF COLORADO

RIGHT OF WAY PLANS OF PROPOSED U.S. 6 AT HILLCREST DR. EAGLE COUNTY

SECTION 36, TOWNSHIP 4 SOUTH, RANGE 83 WEST, 6TH P.M.

SYMBOLS

SECTION CORNER	1/4 AND 1/16 SECTION CORNERS	SET EASEMENT MONUMENT	TEMPORARY EASEMENT POINT	RIGHT OF WAY MARKER
BLM MARKER	PROPERTY PIN	NOAA MARKER	QUARTER AND SIXTEENTH SECTION CORNERS (TOPO POINT)	
FEDERAL MONUMENT	WITNESS CORNER	WC	BENCH MARK	USGS MARKER
LOCAL OR PLSS MONUMENT	SECONDARY CONTROL MONUMENT	ROW MARKER		
N 9.88 E 3.81 EL 0.00	N 10.13 E 3.81 EL 0.00	N 10.38 E 3.81 EL 0.00		

LINE TYPES

	PERMANENT, PROPERTY, SLOPE, & UTILITY EASEMENT LINE (PROPOSED AND EXISTING)
	TEMPORARY EASEMENT LINE (PROPOSED AND EXISTING)
	PROPERTY BOUNDARY LINE (PROPOSED AND EXISTING)
	ACCESS CONTROL LINE (PROPOSED AND EXISTING)
	BARRIER ACCESS CONTROL LINE (PROPOSED AND EXISTING)
	RIGHT OF WAY LINE (PROPOSED AND EXISTING)
	VIRGIN RIGHT OF WAY LINE (PROPOSED AND EXISTING)
	CITY LIMIT LINE
	COUNTY LINE
	QUARTER SECTION LINE
	SECTION LINE
	SIXTEENTH SECTION LINE
	STATE LINE
	TOWNSHIP LINE

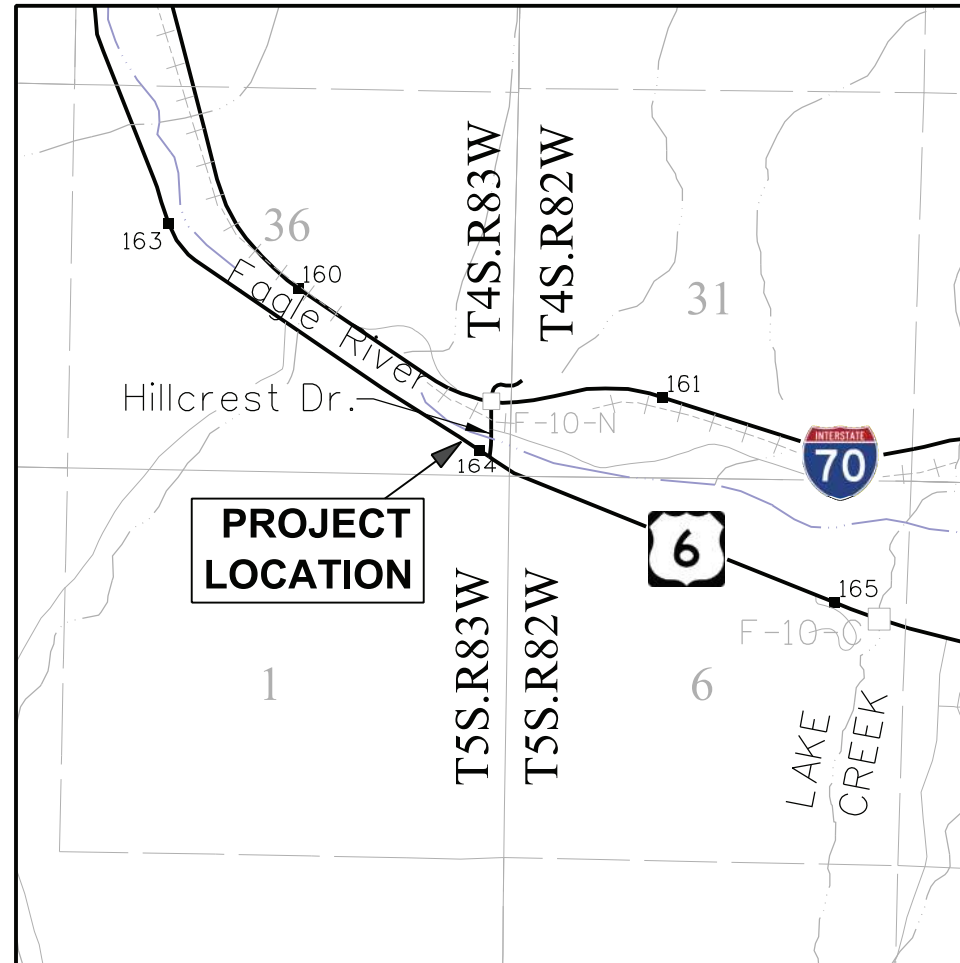
SURVEY/ROW

TOP OF CUT

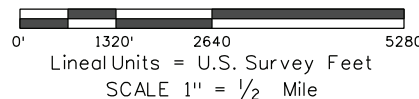
TOP OF FILL

TERRAIN

Note: For a complete listing of symbology used within this set of plans, please refer to the M-100-1 Standard Symbols of the Colorado Department of Transportation M&S Standards Publication. Existing topo features are shown as screened weight (gray scale). Proposed or new features are shown as full weight without screening, except as noted with the word (proposed).



PROJECT LOCATION MAP



Basis of Bearings: Bearings used in the calculations of coordinates are based on a grid bearing of S70°29'45"E from CM-MP 164.3 (1643) to CM-MP 164.8 (1648). Both monuments are found CDDT Type II, marked appropriately for their milepost location and control position. The survey data was obtained from a Global Positioning System (GPS) survey based on the Colorado High Accuracy Reference Network (CHARN).

1. This Right-of-Way Plan is not a boundary survey of the adjoining property and is prepared for Eagle County and CDDT purposes only.

2. For title information, 105 West, Inc. relied on Title Commitment No's. 08613D2021, 08614D2021 and 08615D2021 effective November 28, 2022 at 4:00 p.m., issued by H.C. Peck & Associates for Westcor Land Title Insurance Company.

3. This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with Eagle County that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named.

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

COLORADO DEPARTMENT OF TRANSPORTATION
LOCAL AGENCY PROJECT

ROW PLANS AUTHORIZED: 1/25/22
DATE

CDDT CHIEF ENGINEER R3 ROW Manager

SHEET NO. INDEX OF SHEETS

1.01	(1) Title Sheet
2.01-2.01	(1) Tabulation of Properties
3.XX-3.XX	(NA) Project Control Diagram (See Below)
4.01-4.03	(3) Land Survey/Project Control Diagram
5.01	(1) Monumentation Sheet
6.01-6.0X	(NA) Tabulation of Road Approach Sheets
7.01-7.03	(3) Plan Sheets
8.01	(1) Ownership Map
	(10) Total Sheets

Scales of Original 11"x17" Drawings
Plan Sheets 1"=50'
Ownership Map 1"=200'

FILING CERTIFICATION: DAY OF _____, 20____, AT _____ M.,
 DEPOSITED THIS _____ OF THE COUNTY LAND SURVEYS/RIGHT OF WAY
 IN BOOK _____ SURVEYS AT PAGE _____
 RECEPTION NUMBER _____
 DEPT. _____
 SIGNED _____
 DEPT. _____
 12/13/2022 Shown 7:54:03 AM P:\105 West Projects\131-0041 - US 6 West Edwards Improvements\ROW - Survey Drawings\ROW - Title Sht.dgn

Colorado Department of Transportation



222 South 6th Street
Room 317
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Phone: 970-683-6224

Region 3 Right of Way DCH

4201 E. Yale Ave., Suite 230
Denver, CO 80222
303.859.4491
105WEST
INCORPORATED

Sheet Revisions

Date	Description	Initials



EAGLE COUNTY
COLORADO
500 BROADWAY STREET
EAGLE, COLORADO 81631
(970)328-8600



6400 S. Fiddlers Green Circle, STE 1500
Greenwood Village, CO 80111



Right of Way Plans

Tabulation of Properties

Project Number:			
Project Location: U.S. 6 at Hillcrest Dr.			
Eagle County			
Project Code:	Last Mod. Date:	Subset:	Sheet No.:
12-13-2022	12-13-2022	2.01 to 2.01	2.01

NOTE: AGENCY CONVEYANCE TO CDOT AT A LATER DATE.

R.O.W. TABULATION OF PROPERTIES IN EAGLE COUNTY U.S. 6 AT HILLCREST DR.

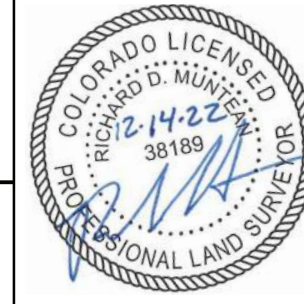
Parcel No.	Ownership Name Mailing Address City, State Zip	County Parcel Id Site Address	Sec. Twn, Rng	Area Of Parcel	Whole Property (WP) Sq Ft/Acre per Assessor	Existing ROW	Net Area (RL+RR)	WP Remainder Left (RL) of Project Alignment	WP Remainder Right (RR) of Project Alignment	CDOT Purchase Reception No. W/ Date	Title Commitment No.	Purpose of Parcel		
													Area In Square Feet	
													Area In Acres	
RW-1	Calvary Chapel Vail Valley P.O. Box 979 Avon, CO 81620-0979	PN: 1941-364-02-002 31725 Highway 6 Edwards, CO 81632	Section 36, T.4S.,R.83W., 6th P.M.	518 0.012	218,802 5.023			218,284 5.011			H.C. Peck 08615D2021	PERMANENT HIGHWAY CONSTRUCTION & ASSOCIATED APPURTENANCES *SEE NOTE		
PE-1	Same	Same	Section 36, T.4S.,R.83W., 6th P.M.	1,957 0.045	218,802 5.023						Same	CONSTRUCTION, USE & MAINTENANCE OF ROADWAY IMPROVEMENTS & ALL RELATED ACTIVITIES *SEE NOTE		
TE-1	Same	Same	Section 36, T.4S.,R.83W., 6th P.M.	1,691 0.039							Same	ACTIVITIES ASSOCIATED WITH ROADWAY CONSTRUCTION		
PE-1A	Same	Same	Section 36, T.4S.,R.83W., 6th P.M.	310 0.007	218,802 5.023						Same	CONSTRUCTION, USE & MAINTENANCE OF ROADWAY IMPROVEMENTS & ALL RELATED ACTIVITIES *SEE NOTE		
TE-1A	Same	Same	Sections 36, T.4S.,R.83W., 6th P.M.	702 0.016							Same	ACTIVITIES ASSOCIATED WITH ROADWAY CONSTRUCTION		
RW-2	The Archdioces of Denver 1300 S. Steele St. Denver, CO 80210-2526	PN: 1941-364-00-035 31616 Highway 6 Edwards, CO 81632	Sections 36, T.4S.,R.83W., 6th P.M.	5,200 0.119	3,258,332 74.801				3,253,354 74.687		H.C. Peck 08613D23021	PERMANENT HIGHWAY CONSTRUCTION & ASSOCIATED APPURTENANCES *SEE NOTE		
PE-2	Same	Same	Section 36, T.4S.,R.83W., 6th P.M.	2,563 0.059	3,258,332 74.801						Same	CONSTRUCTION, USE & MAINTENANCE OF ROADWAY IMPROVEMENTS & ALL RELATED ACTIVITIES *SEE NOTE		
TE-2	Same	Same	Section 36, T.4S.,R.83W., 6th P.M.	20,191 0.464							Same	ACTIVITIES ASSOCIATED WITH ROADWAY CONSTRUCTION		
RW-3	Eagle River Water and Sanitation District 846 Forest Rd. Vail, CO 81657-5704	PN: 1941-364-02-003 32001 Highway 6 Edwards, CO 81632	Section 36, T.4S.,R.83W., 6th P.M.	316 0.007	82,633 1.897			82,317 1.890			H.C. Peck 08614D2021	PERMANENT HIGHWAY CONSTRUCTION & ASSOCIATED APPURTENANCES *SEE NOTE		
TE-3	Same	Same	Section 36, T.4S.,R.83W., 6th P.M.	15,082 0.346							Same	ACTIVITIES ASSOCIATED WITH ROADWAY CONSTRUCTION		

12/13/2022 Shown 8:02:35 AM P:\105 West Projects\131-0041 - US 6 West Edwards Improvements\RDW_Survey Drawings\RDW_TabProp01.dgn



Sheet Revisions

Date	Description	Initials



Land Survey/Project Control Diagram

Title Sheet

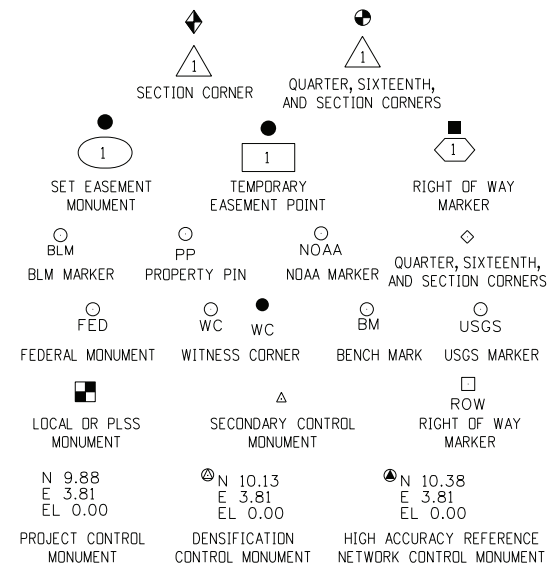
Project Number:		
Project Location: U.S. 6 at Hillcrest Dr.		
Eagle County		
Project Code:	Last Mod. Date:	Sheet No.:
	12-13-2022	4.01
	Subset	
	4.01 to 4.03	4.01

SURVEYOR STATEMENT (LAND SURVEY/PROJECT CONTROL DIAGRAM)

I, Richard D. Muntean, a professional land surveyor licensed in the State of Colorado, do hereby state to Eagle County and CDDT that this Land Survey/Project Control Diagram was prepared and the field survey it represents was performed under my responsible charge and, based upon my knowledge, information and belief is in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.

EAGLE COUNTY STATE OF COLORADO LAND SURVEY/PROJECT CONTROL DIAGRAM

U.S. Highway 6 at MP 164
Section 36,
Township 4 South, Range 83 West
of the 6th Principal Meridian
County of Eagle



Basis of Bearings: Bearings used in the calculations of coordinates are based on a grid bearing of S70°29'45"E from CM-MP 164.3 (1643) to CM-MP 164.8 (1648). Both monuments are found CDDT Type II, marked appropriately for their milepost location and control position. The survey data was obtained from a Global Positioning System (GPS) survey based on the Colorado High Accuracy Reference Network (CHARN).

The following parameters and information conveyed directly from CDDT Project Control Diagram (PCD), Prj. No. NH 0063-043, Code 19095, last mod. date 01-29-2014. 105 West, Inc. set control is perpetuated from said PCD.

Basis of Elevations: Project elevations are based on Bench Mark K 2, PID:KL0423, a U.S.G.S. bench mark disk set on top of a large boulder, with a NAVD88 elevation of 7303.00ft. K 2 is a FIRST order benchmark.

105 West, Inc. set project control elevations are the result of a Digital Differential Level Loop holding the published elevation at found CDDT Type II control monument for milepost 164.3 (1643). NAVD88 elevation of 7,144.09'

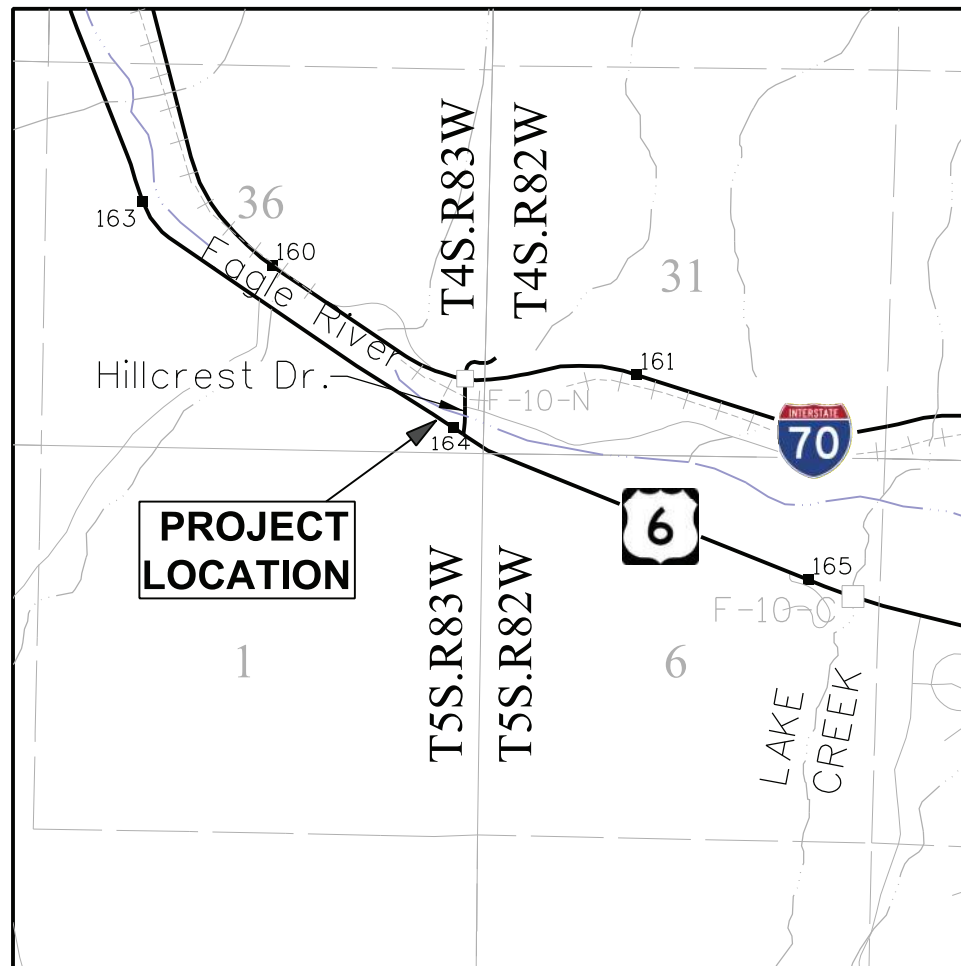
COORDINATE DATUM: Project coordinates are modified Colorado State Plane Central Zone NAD '83/(2007) coordinates. The combined elevation/scale factor used to modify the coordinates is 1.0003663562. The resulting project coordinates are truncated by 0m in the Northing and 0m in the Easting after converting from state plane coordinates to project coordinates. The CHARN is based on the NAD '83(2007) datum.

Project Coordinates Northing US Survey Feet =
(((State Plane Coordinate Northing(m) - Seed Point Northing(m)) * 1.0003663562) + Seed Point Northing(m)) * (3937/1200).

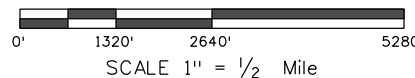
Project Coordinates Easting US Survey Feet =
(((State Plane Coordinate Easting(m) - Seed Point Easting(m)) * 1.0003663562) + Seed Point Easting(m)) * (3937/1200).

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

Note: For a complete listing of symbology used within this set of plans, please refer to the M-100-1 Standard Symbols of the Colorado Department of Transportation M&S Standards Publication. Existing features are shown as screened weight (gray scale). Proposed or new features are shown as full weight without screening.



PROJECT LOCATION MAP



General Notes:

1. This Land Survey/Project Control Diagram is not a boundary survey of the adjoining property and is prepared for Eagle County purposes only. No determination has been made to determine if the found monuments as shown are in their proper position or if they are at the corners they are intended to monument.
2. Title policy, title commitment, and title research are not part of this survey, therefore easements, rights, and restrictions of record were not researched and are not shown on this diagram. The verification of the physical evidence with relation to easements, rights of ways, property boundaries, and restrictions, as described in the instruments of record, were not included in this land survey control diagram.
3. This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with Eagle County that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named.
4. Refer to the M-629-1 Survey Monuments of the Standard Plans found in The Colorado Department of Transportation, M & S Standards for typical survey monument descriptions.

SHEET NO. INDEX OF SHEETS

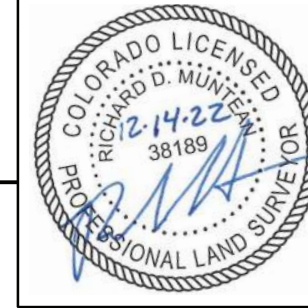
4.01-4.01	(1) Title Sheet
4.02-4.02	(1) Monument Coordinate Tables
4.03-4.03	(1) Plan Sheet
(3) Total Sheets	

Sheet Revisions		
Date	Description	Initials



EAGLE COUNTY
 COLORADO
 500 BROADWAY STREET
 EAGLE, COLORADO 81631
 (970)328-8600

FELSBURG
 HOLT &
 ULLEVIG
 connecting & enhancing communities
 6400 S. Fiddlers Green Circle, STE 1500
 Greenwood Village, CO 80111



Land Survey/Project Control Diagram
 Monument Coordinate Tables

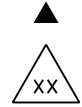
Project Number:		
Project Location: U.S. 6 at Hillcrest Dr.		
Eagle County		
Project Code:	Last Mod. Date	Sheet No.
12-13-2022	4.01 to 4.03	4.02

4201 E. Yale Ave., Suite 230
 Denver, CO 80222
 303.859.4491

105WEST
 INCORPORATED

SURVEYOR STATEMENT (LAND SURVEY/PROJECT CONTROL DIAGRAM)

I, Richard D. Muntean, a professional land surveyor licensed in the State of Colorado, do hereby state to Eagle County and CDOT this Land Survey/Project Control Diagram was prepared and the field survey it represents was performed under my responsible charge and, based upon my knowledge, information and belief is in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.



PROJECT CONTROL COORDINATE TABLE				
Point No.	Project Coordinates		Elev(ft) (NAVD88)	Description
	Northing(ft)	Easting(ft)		
66	1,664,676.02	2,682,570.42	7,143.36	Set 1" Copper Plug in Concrete, "105 West 66"
67	1,665,056.36	2,682,134.64	7,138.46	Set 1" Copper Plug in Concrete, "105 West 67"
68	1,665,319.54	2,681,567.49	7,137.75	Set 2" Alum. Cap on 24"x5/8" Rebar, "105 West, Inc. Control Point 68"
69	1,665,680.75	2,681,007.78	7,135.13	Set 2" Alum. Cap on 24"x5/8" Rebar, "105 West, Inc. Control Point 69"
1643	1,664,429.98	2,683,018.16	7,144.09	Fnd. CDOT Type II Monument (CM-MP 164.3)
1648	1,663,562.41	2,685,467.55	7,140.65	Fnd. CDOT Type II Monument (CM-MP 164.8)



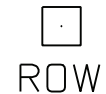
GEODETIC COORDINATE TABLE									
Point No.	Geodetic Coordinates NAD-83(2007)		Elip Height (NAVD88)	Ortho Height	Mapping Angle	Grid Scale Factor	NAD 83(2007) Zone 0502		Description
	Latitude(N)	Longitude(W)					SP Northing	SP Easting	
1643	39°39'08.13613"	106°37'32.73203"	7,100.84	7,144.09	-0°42'36"	0.999982127	1,664,428.31	2,683,023.74	Fnd. CDOT Type II Monument (CM-MP 164.3)
1648	39°38'59.86434"	106°37'01.29350"	7,097.48	7,140.65	-0°42'16"	0.999981742	1,663,561.06	2,685,472.22	Fnd. CDOT Type II Monument (CM-MP 164.8)



FOUND ALIQUOT MONUMENT COORDINATE TABLE			
Point No.	Northing(ft)	Easting(ft)	Description
700	1,664,704.60	2,685,437.36	Fnd. 3-1/4" Alum. Cap W.C. 2 Chains East of 1/4 Corner "BLM, 1986"
701	1,664,729.46	2,682,465.26	Fnd. 3-1/2" U.S.G.L.O. Brass Cap "1918"
702	1,667,380.18	2,682,513.78	Fnd. 2-1/2" U.S.G.L.O. Brass Cap "1918"
704	1,664,780.97	2,679,021.94	Fnd. 2-1/2" U.S.G.L.O. Brass Cap "1918"



FOUND R.O.W. MONUMENT COORDINATE TABLE			
Point No.	Northing(ft)	Easting(ft)	Description
813	1,666,569.41	2,679,607.43	Fnd. 3" Brass Cap - State Hwy Department, ROW Marker
818	1,665,160.19	2,681,791.42	Fnd. 3" Brass Cap - State Hwy Department, ROW Marker
819	1,665,244.08	2,681,844.84	Fnd. 3" Brass Cap - State Hwy Department, ROW Marker
825	1,664,411.94	2,683,056.90	Fnd. Bernsten Rod with no cap



FOUND BOUNDARY MONUMENT COORDINATE TABLE			
Point No.	Northing(ft)	Easting(ft)	Description
800	1,664,499.37	2,683,108.53	Fnd. 1-1/2" Alum. Cap, Illegible
801	1,664,504.83	2,683,093.98	Fnd. 2" Alum. Cap, "Archibeque Land Consulting, PLS 37902"
802	1,664,761.66	2,682,593.65	Fnd. 5/8" Rebar, No Cap
803	1,665,050.00	2,682,145.59	Fnd. 5/8" Rebar, No Cap
804	1,665,096.36	2,682,073.63	Fnd. 1-1/2" Alum. Cap, Illegible
805	1,665,197.45	2,682,094.89	Fnd. 1-1/4" Yellow Plastic Cap, "HCE, LS 19598"
806	1,665,381.99	2,682,205.92	Fnd. 5/8" Rebar, No Cap
807	1,665,449.34	2,682,157.62	Fnd. 1-1/2" Alum. Cap, "LS 33428"
808	1,665,304.40	2,682,475.99	Fnd. 1-1/4" Red Plastic Cap, "Intermtn, LS 26626"
809	1,664,729.42	2,682,458.31	Fnd. 5/8" Rebar, No Cap
810	1,664,725.12	2,682,465.28	Fnd. 2" Alum. Cap, "Archibeque Land Consulting, PLS 37902"



FOUND BOUNDARY MONUMENT COORDINATE TABLE CONT.			
Point No.	Northing(ft)	Easting(ft)	Description
811	1,664,618.22	2,682,634.42	Fnd. 1-1/4" Red Plastic Cap, Illegible
812	1,664,842.53	2,682,467.23	Fnd. 5/8" Rebar, No Cap
814	1,665,854.47	2,680,899.95	Fnd. 1-1/4" Yellow Plastic Cap, "HCE, LS 19598"
815	1,665,538.91	2,681,203.77	Fnd. 1-1/2" Alum. Cap, "PLS 26967"
816	1,665,414.02	2,681,361.07	Fnd. 1-1/2" Alum. Cap, "PLS 26967"
817	1,665,251.11	2,681,613.00	Fnd. 1-1/2" Alum. Cap, Illegible
820	1,664,264.92	2,682,466.00	Fnd. 2" Alum. Cap, "Archibeque Land Consulting, PLS 37902"
821	1,664,112.36	2,682,635.10	Fnd. 2" Alum. Cap, "Archibeque Land Consulting, PLS 37902"
822	1,663,980.06	2,682,709.50	Fnd. 1-1/4" Red Plastic Cap, Illegible
823	1,663,708.21	2,683,047.06	Fnd. 1-1/2" Alum. Cap, "KKENA, LS 5447"
824	1,664,920.30	2,682,712.37	Fnd. 1-1/2" Alum. Cap 20' W.C., "PLS 30116"

Colorado Department of Transportation



222 South 6th Street
Room 317
Grand Junction, CO 81501
Phone: 970-683-6224

Region 3

Right of Way

DCH

4201 E. Yale Ave., Suite 230
Denver, CO 80222
303.859.4491



Sheet Revisions

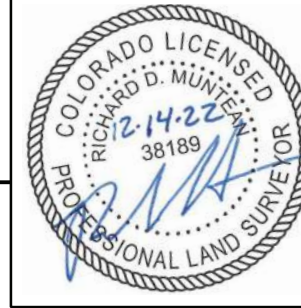
Date	Description	Initials



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6400 S. Fiddlers Green Circle, STE 1500
Greenwood Village, CO 80111



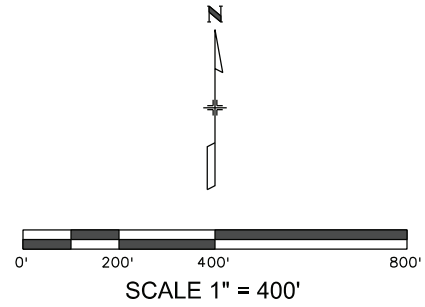
Land Survey/Project Control Diagram

Plan Sheet

Project Number:		
Project Location: U.S. 6 at Hillcrest Dr.		
Eagle County		
Project Code:	Last Mod. Date:	Sheet No.:
	12-13-2022	4.03
	4.01 to 4.03	4.03

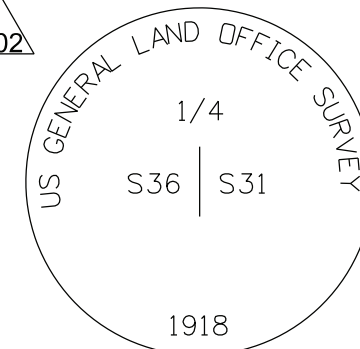
SE 1/4 SECTION 36,
T.4S., R.83W., 6TH P.M.

SW 1/4 SECTION 31,
T.4S., R.82W., 6TH P.M.



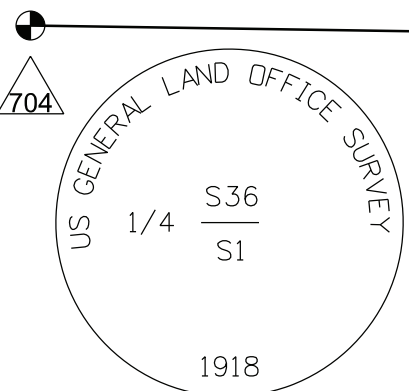
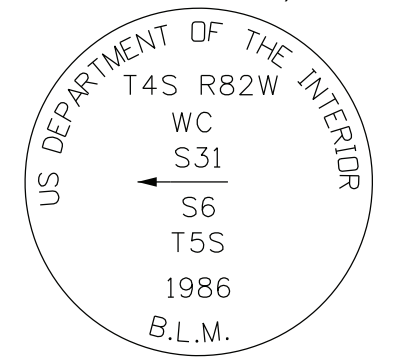
LOCAL SITE SETTINGS PER NH 0063-043, 19095 PCD

COORDINATE SYSTEM: US STATE PLANE 1983 (MOD.-AT GROUND)
 COORDINATE ZONE: COLORADO CENTRAL (0502)
 COORDINATE DATUM: NAD 1983 (2007)
 GEOID: GEOID 12A (CONUS)
 PROJECT LATITUDE: 39°38'25.03328" N
 PROJECT LONGITUDE: 106°34'17.54146" W
 PROJECT HEIGHT: 7260.35
 GROUND SCALE FACTOR: 1.0003663562
 FALSE NORTHING OFFSET: 0
 FALSE EASTING OFFSET: 0
 SEED POINT NORTHING: 505933.270(m)
 SEED POINT EASTING: 822424.590(m)
 COORDINATE UNITS: US SURVEY FEET
 ELEVATIONS UNITS: US SURVEY FEET

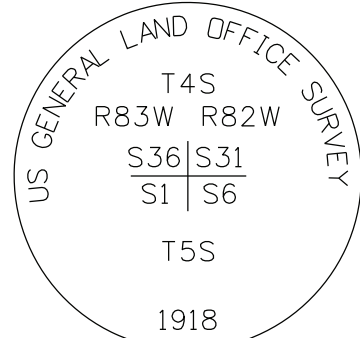


FOUND 2-1/2" U.S.G.L.O.
BRASS CAP

FOUND 3-1/4" ALUMINUM CAP
WITNESS CORNER
132' EAST OF 1/4 CORNER
(ACTUAL FALLS IN THE
EAGLE RIVER)



FOUND 2-1/2" U.S.G.L.O.
BRASS CAP



FOUND 3-1/2" U.S.G.L.O.
BRASS CAP

NE 1/4 SECTION 1,
T.5S., R.83W., 6TH P.M.

NW 1/4 SECTION 6,
T.5S., R.82W., 6TH P.M.

S89° 08'34"E
3,443.71'

S89° 31'15"E
2,972.20'

BASIS OF BEARINGS
S70° 29'45"E
2,598.50'

12/13/2022 Shown 8:09:11 AM P:\105 West Projects\131-0041 - US 6 West Edwards Improvements\RDW_Survey Drawings\RDW_LSCD-Plan01.dgn

Colorado Department of Transportation



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Room 317
Grand Junction, CO 81501
Phone: 970-683-6224

Region 3

Right of Way

DCH

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Denver, CO 80222
303.859.4491



Sheet Revisions

Date	Description	Initials

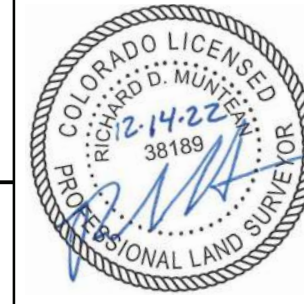


EAGLE COUNTY
COLORADO
500 BROADWAY STREET
EAGLE, COLORADO 81631

(970)328-8600



6400 S. Fiddlers Green Circle, STE 1500
Greenwood Village, CO 80111



Right of Way Plans
Monumentation Sheet

Project Number:			
Project Location:	U.S. 6 at Hillcrest Dr.		
	Eagle County		
Project Code:	Last Mod. Date	Subset	Sheet No.
	12-13-2022	5.01 of 5.01	5.01

SURVEYOR STATEMENT FOR THE CALCULATED POSITIONS OF ROW MONUMENTS

I, Richard D. Muntean, a professional land surveyor licensed in the State of Colorado, do hereby state to Eagle County and CDDT that based upon my knowledge, information and belief, the research and evaluation of the survey evidence were performed and the calculated positions of these R.O.W. monuments were prepared under my responsible charge in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.

TABULATION OF R.O.W. MONUMENTS TO BE SET

Point No.	Northing(ft)	Easting(ft)	Description	Station	Offset
101	1,665,110.32	2,682,052.63	Set CDOT Type 1 Monument	109+02.63	46.45' Lt.
102	1,665,131.47	2,682,071.29	Set CDOT Type 1 Monument	109+05.63	74.24' Lt.
103	1,665,131.40	2,682,081.00	Set CDOT Type 1 Monument	109+10.22	79.58' Lt.
104	1,665,035.47	2,681,984.19	Set CDOT Type 1 Monument	108+79.76	52.00' Rt.
105	1,665,004.16	2,681,988.49	Set CDOT Type 1 Monument	108+98.86	77.56' Rt.
106	1,664,926.65	2,682,090.41	Set CDOT Type 1 Monument	110+31.52	66.80' Rt.
107	1,664,924.73	2,682,138.81	Set CDOT Type 1 Monument	110+71.38	46.34' Rt.
108	1,664,889.34	2,682,210.61	Set CDOT Type 1 Monument	111+51.41	45.51' Rt.
109	1,665,044.19	2,682,155.10	Set CDOT Type 1 Monument	110+20.02	67.09' Lt.
110	1,665,109.19	2,682,158.07	Set CDOT Type 1 Monument	109+67.15	115.59' Lt.

TABULATION OF PERMANENT EASEMENT MONUMENTS TO BE SET

Point No.	Northing(ft)	Easting(ft)	Description	Station	Offset
301	1,665,134.49	2,682,064.71	Set CDOT Type 6 Monument	109+01.49	73.41' Lt.
302	1,665,195.71	2,682,059.79	Set CDOT Type 6 Monument	108+70.64	124.94' Lt.
303	1,665,204.39	2,682,064.13	Set CDOT Type 6 Monument	108+70.36	134.64' Lt.
304	1,665,207.02	2,682,096.94	Set CDOT Type 6 Monument	108+98.03	152.47' Lt.
305	1,665,199.96	2,681,913.74	Set CDOT Type 6 Monument	107+35.26	54.07' Lt.
306	1,665,211.72	2,681,920.72	Set CDOT Type 6 Monument	107+34.72	67.73' Lt.
307	1,665,200.50	2,681,939.64	Set CDOT Type 6 Monument	107+56.70	68.60' Lt.
308	1,665,188.02	2,681,932.24	Set CDOT Type 6 Monument	107+57.27	54.10' Lt.
309	1,665,112.37	2,681,865.05	Set CDOT Type 6 Monument	107+42.02	45.92' Rt.
310	1,665,095.46	2,681,854.14	Set CDOT Type 6 Monument	107+42.06	66.04' Rt.
311	1,665,016.81	2,681,986.76	Set CDOT Type 6 Monument	108+90.84	67.24' Rt.

TABULATION OF TEMPORARY EASEMENT POINTS TO BE STAKED

Point No.	Northing(ft)	Easting(ft)	Description
401	1,665,125.24	2,682,029.51	For Informational Purposes
402	1,665,160.97	2,682,052.55	For Informational Purposes
403	1,665,188.05	2,682,050.38	For Informational Purposes
404	1,665,209.14	2,682,060.92	For Informational Purposes
405	1,665,212.12	2,682,098.03	For Informational Purposes
406	1,665,205.38	2,681,905.33	For Informational Purposes
407	1,665,225.42	2,681,917.22	For Informational Purposes
408	1,665,204.00	2,681,953.34	For Informational Purposes
409	1,665,182.59	2,681,940.65	For Informational Purposes
410	1,665,115.69	2,681,762.45	For Informational Purposes
411	1,664,929.09	2,682,035.72	For Informational Purposes
412	1,664,893.38	2,682,113.53	For Informational Purposes
413	1,664,864.69	2,682,194.32	For Informational Purposes
414	1,664,850.06	2,682,271.47	For Informational Purposes
415	1,665,125.73	2,682,161.56	For Informational Purposes
416	1,665,108.76	2,682,168.06	For Informational Purposes
417	1,665,043.36	2,682,165.07	For Informational Purposes
418	1,664,995.03	2,682,264.97	For Informational Purposes
419	1,664,974.33	2,682,279.25	For Informational Purposes
420	1,664,932.17	2,682,343.91	For Informational Purposes
421	1,664,936.96	2,682,368.58	For Informational Purposes
422	1,664,952.78	2,682,382.63	For Informational Purposes
423	1,664,997.96	2,682,383.45	For Informational Purposes
424	1,664,996.38	2,682,470.14	For Informational Purposes

General Notes:

- All centerline and offset stationing may not represent the centerline as constructed in the field.
- Refer to the M-629-1 Survey Monuments of the Standard Plans found in The Colorado Department of Transportation, M & S Standards for survey monument descriptions.
- This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with Eagle County and CDDT that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named.

COORDINATE DATUM: Project coordinates are modified Colorado State Plane Central Zone NAD '83/(2007) coordinates. The combined elevation/scale factor used to modify the coordinates from state plane to project coordinates is 1.0003663562. The resulting project coordinates are truncated by 0m in the Northing and 0m in the Easting after converting from state plane coordinates to project coordinates. The CHARN is based on the NAD '83(2007) datum.

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

QUANTITY OF MONUMENTS TO BE SET

CAP TYPE	MONUMENT TYPE									
	1	1A	2	2A	3	3A	4	5	5(S)	6
REFERENCE										
ROW	10									
CONTROL										
ALIQUOT CORNER										
PERMANENT EASEMENT										11
PROJECT POINTS										
WITNESS POST (REQUIRED)										

SURVEYOR STATEMENT FOR SET R.O.W. MONUMENTS

I, _____, a professional land surveyor licensed in the State of Colorado, do hereby state to Eagle County and CDDT that based upon my knowledge, information and belief, adequate research and evaluation of survey evidence were performed and the Right-of-Way monuments depicted on this Right-of-Way Plan WERE SET under my responsible charge and the field survey was performed in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.

12/13/2022 Show 8:36:40 AM P:\105 West Projects\131-0041 - US 6 West Edwards Improvements\ROW_Survey Drawings\JPC#ROW_Mon01.dgn



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Sheet Revisions

Date	Description	Initials



EAGLE COUNTY
COLORADO
500 BROADWAY STREET
EAGLE, COLORADO 81631
(970)328-8600



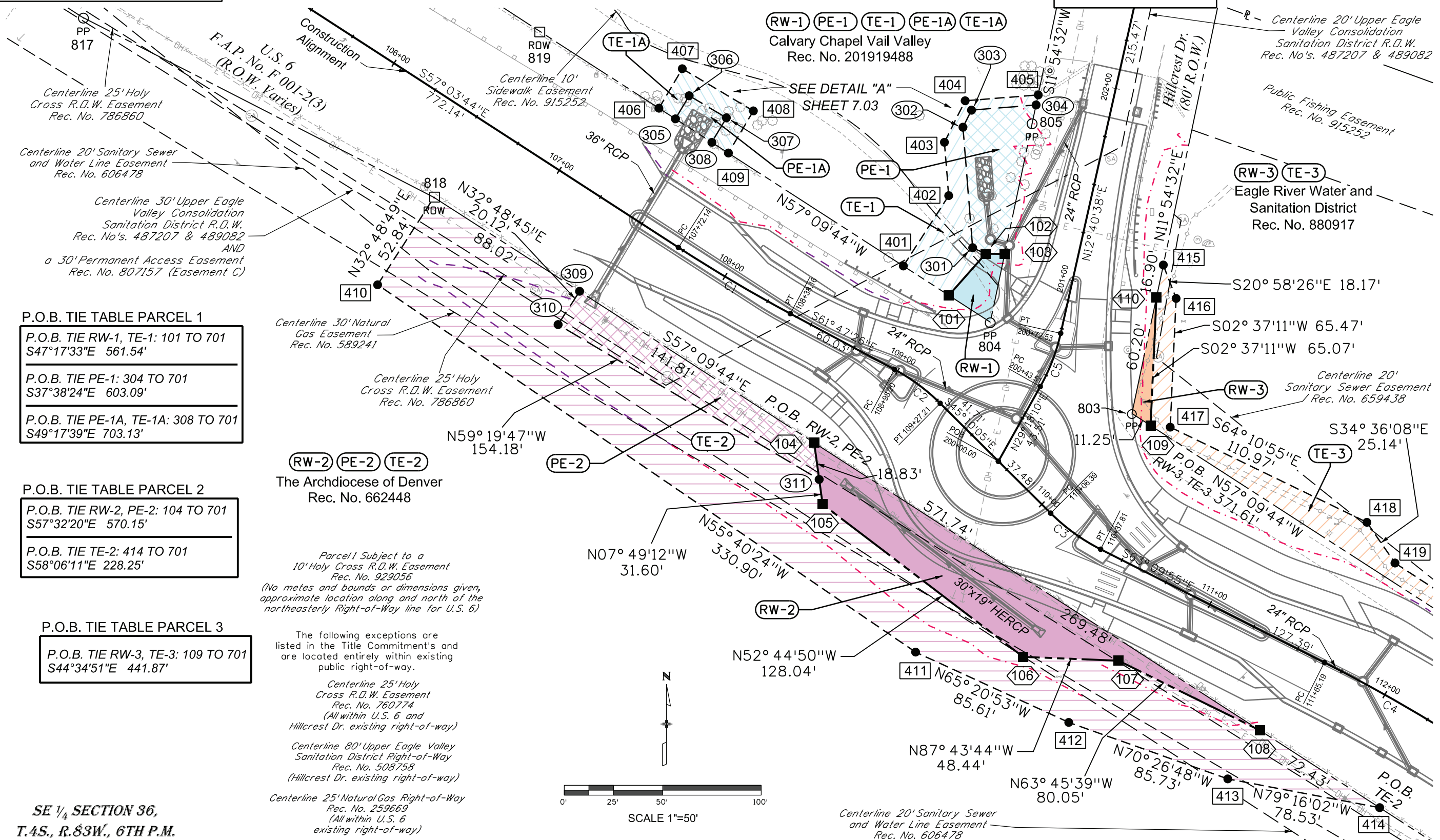
6400 S. Fiddlers Green Circle, STE 1500
Greenwood Village, CO 80111



Right of Way Plans
PLAN SHEET

Project Number:			
Project Location: U.S. 6 at Hillcrest Dr.			
Eagle County			
Project Code:	Last Mod. Date:	Subset:	Sheet No.:
12-13-2022	7.01 to 7.03	7.01	7.01

12/13/2022 Shown 8:13:52 AM P:\105 West Projects\131-0041 - US 6 West Edwards Improvements\RDW_Survey Drawings\RDW_Plan01.dgn



P.O.B. TIE TABLE PARCEL 1

P.O.B. TIE RW-1, TE-1: 101 TO 701
S47°17'33"E 561.54'

P.O.B. TIE PE-1: 304 TO 701
S37°38'24"E 603.09'

P.O.B. TIE PE-1A, TE-1A: 308 TO 701
S49°17'39"E 703.13'

P.O.B. TIE TABLE PARCEL 2

P.O.B. TIE RW-2, PE-2: 104 TO 701
S57°32'20"E 570.15'

P.O.B. TIE TE-2: 414 TO 701
S58°06'11"E 228.25'

P.O.B. TIE TABLE PARCEL 3

P.O.B. TIE RW-3, TE-3: 109 TO 701
S44°34'51"E 441.87'

The Archdiocese of Denver
Rec. No. 662448

Parcel 1 Subject to a
10' Holy Cross R.D.W. Easement
Rec. No. 929056
(No metes and bounds or dimensions given,
approximate location along and north of the
northeasterly Right-of-Way line for U.S. 6)

The following exceptions are
listed in the Title Commitment's and
are located entirely within existing
public right-of-way.

Centerline 25' Holy
Cross R.D.W. Easement
Rec. No. 760774
(All within U.S. 6 and
Hillcrest Dr. existing right-of-way)

Centerline 80' Upper Eagle Valley
Sanitation District Right-of-Way
Rec. No. 508758
(Hillcrest Dr. existing right-of-way)

Centerline 25' Natural Gas Right-of-Way
Rec. No. 259669
(All within U.S. 6
existing right-of-way)

SE 1/4 SECTION 36,
T.4S., R.83W., 6TH P.M.



Sheet Revisions		
Date	Description	Initials

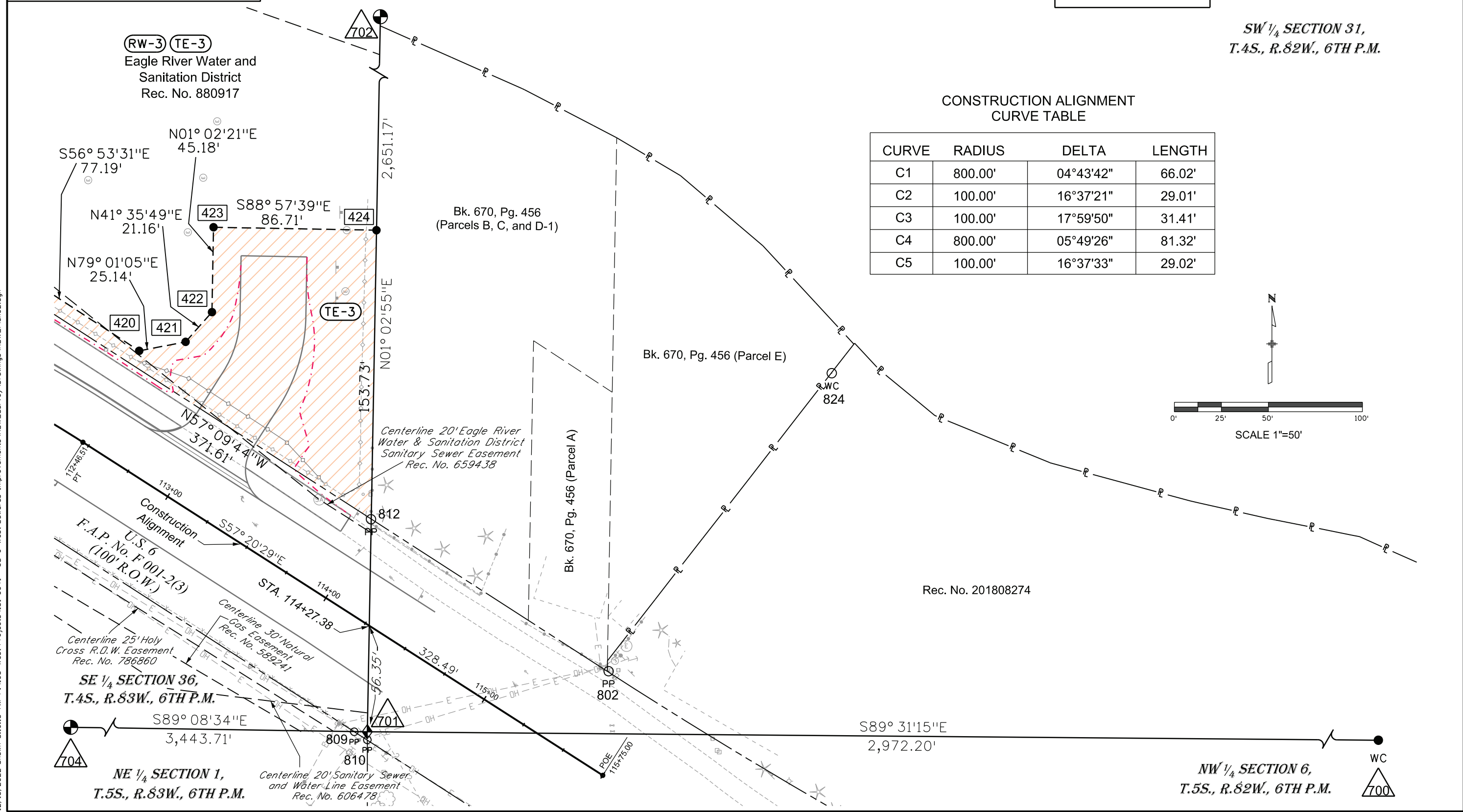
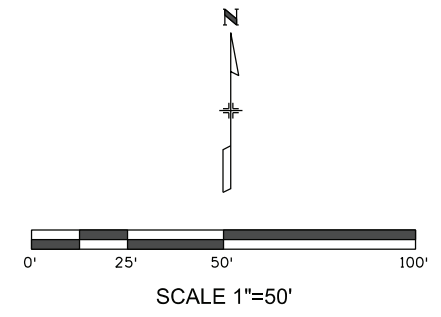


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**105WEST
 INCORPORATED**

**SW 1/4 SECTION 31,
 T.4S., R.82W., 6TH P.M.**

**CONSTRUCTION ALIGNMENT
 CURVE TABLE**

CURVE	RADIUS	DELTA	LENGTH
C1	800.00'	04°43'42"	66.02'
C2	100.00'	16°37'21"	29.01'
C3	100.00'	17°59'50"	31.41'
C4	800.00'	05°49'26"	81.32'
C5	100.00'	16°37'33"	29.02'



12/13/2022 8:16:13 AM P:\105 West Projects\131-0041 - US 6 West Edwards Improvements\RDW_Survey\Drawings\RDW_Plan02.dgn



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303.859.4491



Sheet Revisions

Date	Description	Initials



EAGLE COUNTY
COLORADO
500 BROADWAY STREET
EAGLE, COLORADO 81631
(970)328-8600



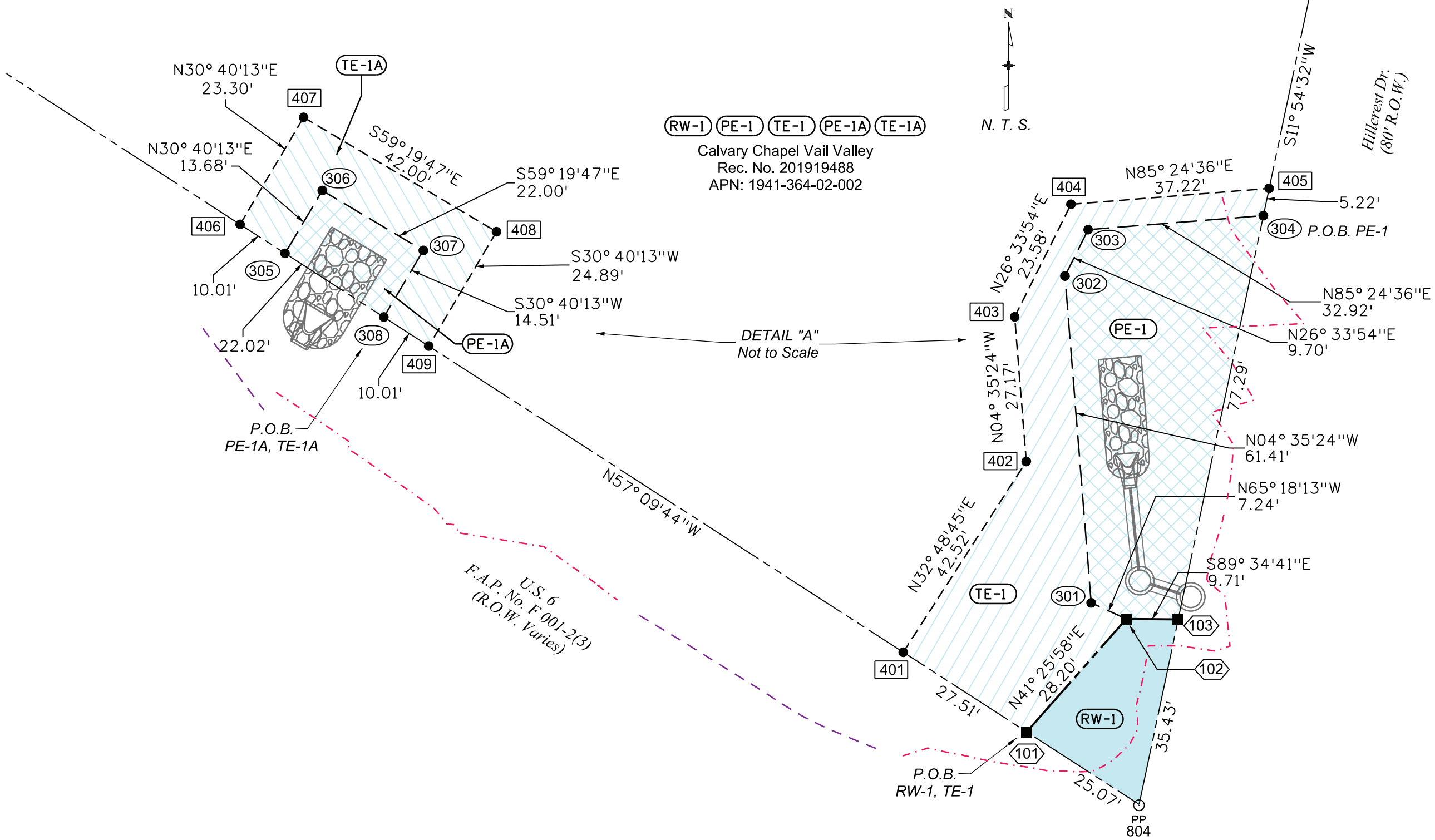
6400 S. Fiddlers Green Circle, STE 1500
Greenwood Village, CO 80111



Right of Way Plans
PLAN SHEET

Project Number:			
Project Location: U.S. 6 at Hillcrest Dr.			
Eagle County			
Project Code:	Last Mod. Date	Subset	Sheet No.
	12-13-2022	7.01 to 7.03	7.03

12/13/2022 Show: 8:19:13 AM P:\105 West Projects\131-0041 - US 6 West Edwards Improvements\RDW_Survey\Drawings\RDW_Plan03.dgn



(RW-1) (PE-1) (TE-1) (PE-1A) (TE-1A)

Calvary Chapel Vail Valley
Rec. No. 201919488
APN: 1941-364-02-002

DETAIL "A"
Not to Scale

P.O.B.
PE-1A, TE-1A

P.O.B.
RW-1, TE-1

PP
804



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Phone: 970-683-6224

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Sheet Revisions

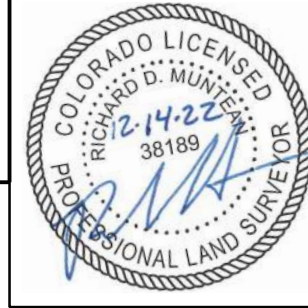
Date	Description	Initials



EAGLE COUNTY
COLORADO
500 BROADWAY STREET
EAGLE, COLORADO 81631
(970)328-8600



6400 S. Fiddlers Green Circle, STE 1500
Greenwood Village, CO 80111



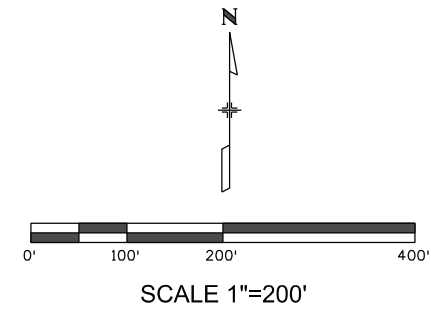
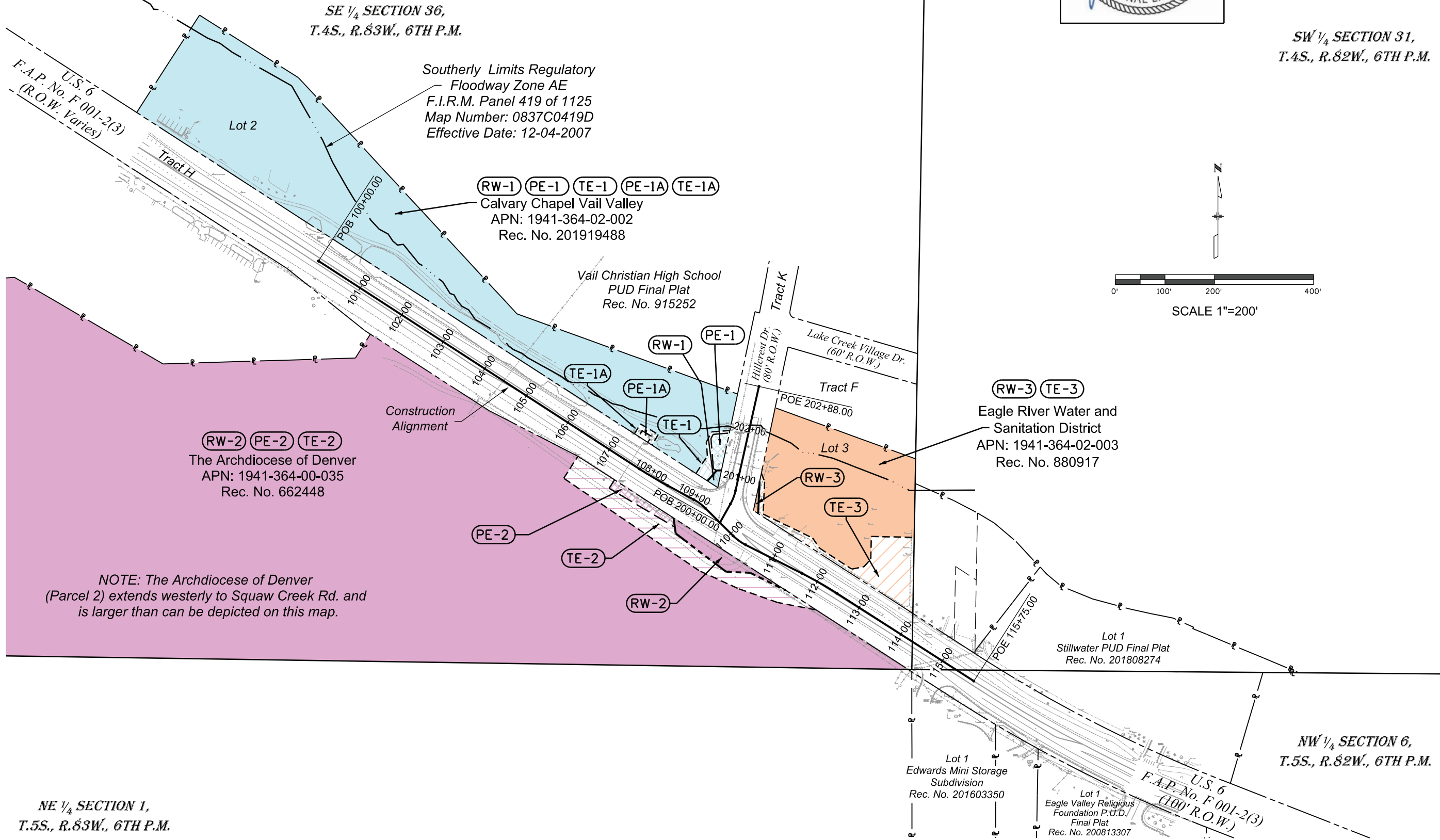
Right of Way Plans

Ownership

Project Number:			
Project Location: U.S. 6 at Hillcrest Dr.			
Eagle County			
Project Code:	Last Mod. Date:	Subset:	Sheet No.:
12-13-2022	12-13-2022	8.01 to 8.01	8.01

SE 1/4 SECTION 36,
T.4S., R.83W., 6TH P.M.

SW 1/4 SECTION 31,
T.4S., R.82W., 6TH P.M.



NOTE: The Archdiocese of Denver (Parcel 2) extends westerly to Squaw Creek Rd. and is larger than can be depicted on this map.

NE 1/4 SECTION 1,
T.5S., R.83W., 6TH P.M.

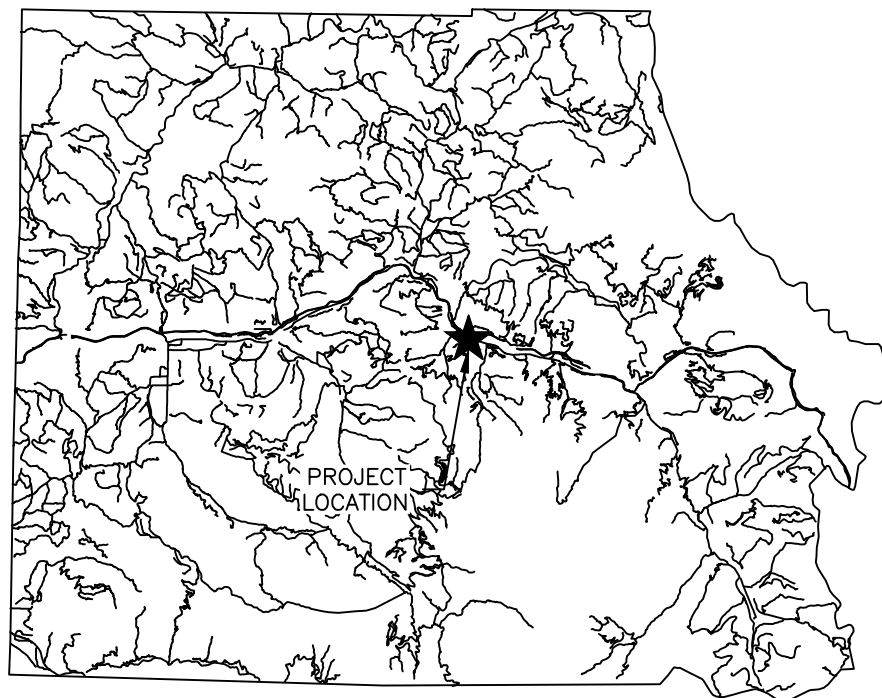
NW 1/4 SECTION 6,
T.5S., R.82W., 6TH P.M.

12/13/2022 Show: 8:21:58 AM P:\105 West Projects\131-0041 - US 6 West Edwards Improvements\RDW_Survey Drawings\RDW_Ownership01.dgn

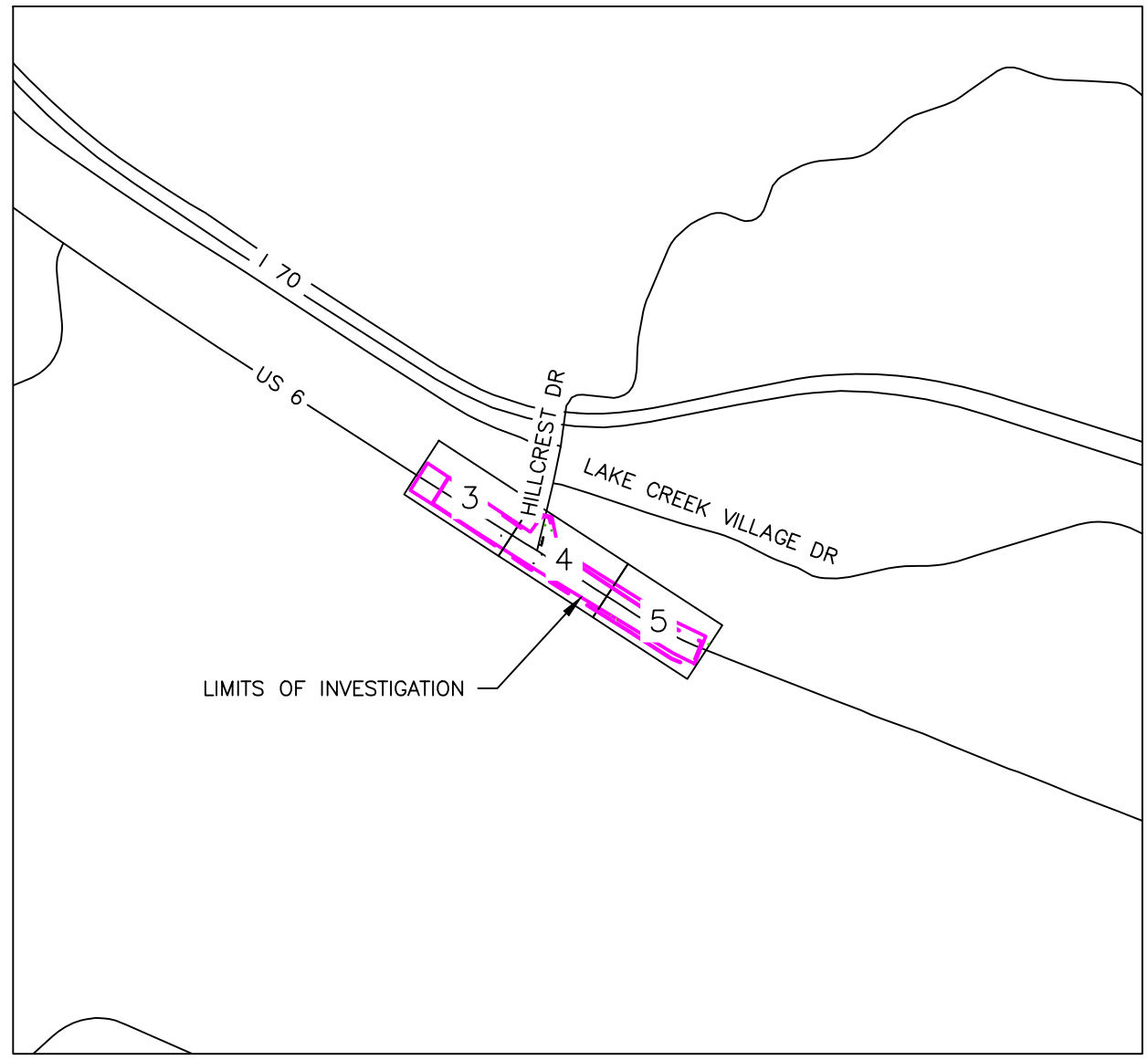
SUBSURFACE UTILITY INVESTIGATION

US 6 West Edwards Edwards, Eagle County, CO

SHEET INDEX	
SHEET NO.	TITLE
1	COVER SHEET
2	GENERAL NOTES AND LEGEND
3 - 5	PLAN SHEETS
6	TEST HOLE DATA

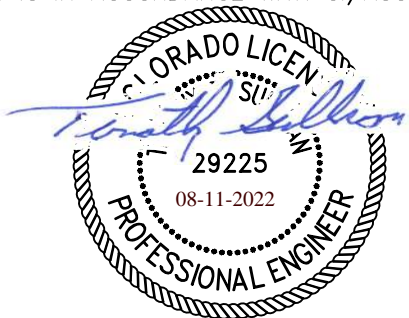


VICINITY
MAP



LAYOUT
MAP

I CERTIFY THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS IS IN ACCORDANCE WITH CI/ASCE STANDARD 38-02



TIMOTHY P. SULLIVAN, P.E. 29225
FOR AND ON BEHALF OF SAM, LLC

DATE

COVER SHEET

PATH: \\SAMINC\DEN\PROJECTS\1018046733\100\SUE\02BASE\CAD\46733-US6_EAGLE-UL_REV2.DWG

NO.	REVISIONS	BY	DATE
	Added QA Test Hole Information	DPB	5/06/22

CLIENT: GOODBEE & ASSOCIATES
 JOB NAME: US 6 WEST EDWARDS
 JOB NUMBER: 1018046733
 DATE: 7/10/2020
 SCALE: N.T.S.
 ENGINEER: T. SULLIVAN
 TECHNICIAN: M. BRYAN
 FIELD TECH: J. JONES
 DRAWING: 46733-US6_EAGLE-UL_REV2.DWG



555 Zang Street,
Suite 210
Denver, Colorado 80228
Ofc: 303.988.5852
Fax: 303.988.2195
email: info@sam.biz

GENERAL NOTES:

- PURPOSE: TO SEARCH, INTERPRET, AND DEPICT SPECIFIC EXISTING UNDERGROUND UTILITIES AS PER THE SCOPE OF WORK NEGOTIATED BETWEEN SAM AND THE CLIENT, WITHIN CLIENT SPECIFIC CORRIDORS.
- THE SUBSURFACE UTILITIES SHOWN ON THE SUBSURFACE UTILITY INVESTIGATION WERE IDENTIFIED USING APPROPRIATE INDUSTRY STANDARD DETECTION METHODOLOGIES IN ACCORDANCE WITH THE AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA. QUALITY LEVELS AND DEFINITIONS PER CI/ASCE STANDARD NO. 38-02
- QUALITY LEVEL "D" - QL-D - DEPICTED ACCORDING TO UTILITY RECORD INFORMATION AND IN-FIELD VISUAL INSPECTION. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED. UTILITIES WITH A QL-D LABEL ARE DEPICTED ON THE PLANS USING PROFESSIONAL JUDGMENT IN INTERPRETING THIRD-PARTY RECORDS OR OTHER INFORMATION.
- QUALITY LEVEL "C" - QL-C - EXISTING UTILITY STRUCTURES HAVE BEEN FIELD LOCATED AND SURVEYED TO ASSIST IN THE DEPICTING OF THE UTILITIES SHOWN ON THE RECORDS. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED. UTILITIES WITH A QL-C LABEL ARE DEPICTED ON THE PLANS USING PROFESSIONAL JUDGMENT IN INTERPRETING AND CORRELATING THE SURVEYED UTILITY APPURTENANCES, THIRD-PARTY RECORDS INFORMATION.
- QUALITY LEVEL "B" - QL-B - INFORMATION WAS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF THE SUBSURFACE UTILITIES. QL-B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. UTILITIES WITH A QL-B LABEL ARE DEPICTED ON THE PLANS USING PROFESSIONAL JUDGMENT IN SELECTING AND INTERPRETING APPROPRIATE GEOPHYSICAL DATA, SURVEYING TO APPROPRIATE PROJECT ACCURACIES, AND USING PROFESSIONAL JUDGMENT TO CORRELATE THIRD-PARTY RECORDS OR OTHER INFORMATION, IF AVAILABLE, TO THESE QL-B DEPICTIONS.
- QUALITY LEVEL "A" - QL-A - OBTAIN PRECISE HORIZONTAL AND VERTICAL POSITION OF THE UTILITY LINE BY EXCAVATING A TEST HOLE. THE TEST HOLE SHALL BE DONE USING VACUUM EXCAVATION OR COMPARABLE NON-DESTRUCTIVE EQUIPMENT IN A MANNER AS TO CAUSE NO DAMAGE TO UTILITY LINE. UNLESS OTHERWISE NOTED, ALL SIZES OF QL-A PIPES AND CONDUITS WILL BE PROVIDED AS OUTER DIAMETER (O.D.) RATHER THAN NOMINAL SIZE OR INSIDE DIAMETER.
- RELIANCE UPON THIS DATA FOR RISK MANAGEMENT PURPOSES DURING BIDDING DOES NOT RELIEVE THE EXCAVATOR OR UTILITY OWNER FROM FOLLOWING ALL APPLICABLE UTILITY DAMAGE PREVENTION STATUTES, POLICIES, AND/OR PROCEDURES DURING EXCAVATION.
- IT IS IMPORTANT THAT THE CONTRACTOR INVESTIGATES AND UNDERSTANDS THE SCOPE OF WORK BETWEEN THE PROJECT OWNER AND THEIR ENGINEER REGARDING THE SCOPE AND LIMITS OF THE UTILITY INVESTIGATIONS LEADING TO THESE UTILITY DEPICTIONS.
- EDGES OF DUCT BANK SHOWN ARE APPARENT BASED ON INTERPRETATION OF ELECTROMAGNETIC READINGS. ACTUAL DUCT BANK MAY BE LARGER DUE TO POSSIBLE CONCRETE ENCASEMENT NOT ABLE TO BE DETECTED BY ELECTROMAGNETIC METHODS. TEST HOLES REQUIRED FOR POSITIVE VERIFICATION OF ACTUAL EDGES.
- UTILITIES SHOWN OUTSIDE OF PROJECT LIMITS ARE FOR REFERENCE ONLY. THESE UTILITIES ARE SHOWN FOR GENERAL INFORMATION USE DURING UTILITY COORDINATION, BUT THEY HAVE NOT BEEN VERIFIED AS BEING COMPLETE OR ACCURATE.
- UTILITY SIZE AND TYPE ARE DETERMINED THROUGH AVAILABLE UTILITY OWNER INFORMATION OR FIELD OBSERVATIONS; UTILITIES LABELED AS UNKNOWN HAVE NO CORRELATED RECORDS OR VISIBLE APPURTENANCES TO DETERMINE FUNCTION OR TYPE.
- UTILITY MAPPING WAS COMPLETED IN THE FIELD 07/25/2022. UTILITIES MAY HAVE BEEN CHANGED OR ADDED AFTER THIS DATE.
- "END OF INFORMATION" (EOI) SIGNIFIES GEOPHYSICAL EQUIPMENT LOST THE SIGNAL OF THE TARGET UTILITY AND THE LINE WAS UNABLE TO BE DESIGNATED ANY FURTHER. LINES SHOWING AN EOI SYMBOL CONTINUE ON OR MAY STOP. POSITIVE VERIFICATION BY EXCAVATION IS REQUIRED TO CONFIRM PRESENCE BEYOND END OF SIGNAL.
- BASIS OF BEARING: BEARINGS USED IN THE CALCULATIONS OF COORDINATES ARE BASED ON A GRID BEARING OF N74°43'42"W FROM CM-MP 164.3 TO CM-MP169.0. BOTH MONUMENTS ARE CDOT TYPE II, MARKED APPROPRIATELY FOR THEIR MILEPOST LOCATION AND CONTROL POSITION. THE SURVEY DATA WAS OBTAINED FROM A GLOBAL POSITIONING SYSTEM (GPS) SURVEY BASE ON THE COLORADO HIGH ACCURACY REFERENCE NETWORK (CHARN)
- BASIS OF ELEVATIONS: PROJECT ELEVATIONS ARE BASED ON BENCH MARK K 2, PID:KL0423, A U.S.G.S. BENCH MARK DISK SET ON TOP OF A LARGE BOULDER, WITH A NAVD 88 ELEVATION OF 7303.00FT. K 2 IS A FIRST ORDER BENCHMARK.
- COORDINATE DATUM: PROJECT COORDINATES ARE MODIFIED STATE PLANE CENTRAL ZONE NAD '83/(2007) COORDINATES. THE COMBINED ELEVATION/SCALE FACTOR USED TO MODIFY THE COORDINATES FROM STATE PLANE TO PROJECT COORDINATES IS 1.0003663562. THE RESULTING PROJECT COORDINATES ARE TRUNCATED BY 0M IN THE NORTHING AND 0M IN THE EASTING AFTER CONVERTING FROM STATE PLANE COORDINATES TO PROJECT COORDINATES. THE CHARN IS BASED ON THE NAD '83(2007) DATUM.
- PROJECT COORDINATES NORTHING US SURVEY FEET = $((\text{STATE PLANE COORDINATE NORTHING(M)} - \text{SEED POINT NORTHING(M)}) * 1.0003663562) + \text{SEED POINT NORTHING(M)} * (3937/1200)$.
- PROJECT COORDINATES EASTING US SURVEY FEET = $((\text{STATE PLANE COORDINATE EASTING(M)} - \text{SEED POINT EASTING(M)}) * 1.0003663562) + \text{SEED POINT EASTING(M)} * (3937/1200)$.
- SAM, LLC. SUBMITTED THE FOLLOWING SUBSURFACE UTILITY ENGINEERING NOTIFICATION TICKETS:
B926200921-00B
A011304922-00A
- THE FOLLOWING COMPANIES HAVE NOT SUPPLIED RECORDS AS OF 06/11/2020:
BLACK HILLS ENERGY - TRANSMISSION
BLACK HILLS ENERGY -EAGLE DISTRICT
CDOT FIBER OPTIC BACKBONE
COMCAST
COMCAST - EAGLE COUNTY

SUBSURFACE UTILITIES PER 811 MEMBER LIST				
UTILITY TYPE	UTILITY OWNER	CONTACT	PHONE	E-MAIL
GAS PIPELINE	BLACK HILLS ENERGY - TRANSMISSION	RYAN POGUE	(719) 208-3577	BHE.COG.UCS@BLACKHILLSCORP.COM
GAS	BLACK HILLS ENERGY - EAGLE DISTRICT	JASON COX	(970) 309-2432	JASON.COX@BLACKHILLSENERGY.COM
FIBER OPTIC	CDOT FIBER OPTIC BACKBONE	JILL SCOTT	NA	JILL.SCOTT@STATE.CO.US
FIBER & TELECOM	CENTURYLINK	JACKIE YAMAGUCHI	(720) 329-3170	JACKELYNN.YAMAGUCHI@CENTURYLINK.COM
FIBER OPTIC	COMCAST	ARTJAHMEL DAVIS	(303) 603-2682	ARTJAHMEL_DAVIS@CABLE.COMCAST.COM
CATV & FIBER	COMCAST - EAGLE COUNTY	ARTJAHMEL DAVIS	(303) 603-2682	ARTJAHMEL_DAVIS@CABLE.COMCAST.COM
WATER & SEWER	EAGLE RIVER WATER & SANITATION	MINDI MCCLINTOCK	(970) 477-5473	MMCLINTOCK@ERSWD.ORG
ELECTRIC	HOLY CROSS ENERGY	BRITTANY ROBERTS	(970) 949-5892	BROBERTS@HOLYCROSS.COM

QUALITY LEVEL "B"

- E(B) ELECTRIC
- SL(B) STREET LIGHTING
- TC(B) TRAFFIC CONTROL
- T(B) TELEPHONE
- FO(B) FIBER OPTIC
- TV(B) CABLE TV
- G(B) GAS
- W(B) WATER
- SS(B) SANITARY SEWER
- STM(B) STORM DRAIN
- UNK(B) UNKNOWN

QUALITY LEVEL "C"

- E(C) ELECTRIC
- SL(C) STREET LIGHTING
- TC(C) TRAFFIC CONTROL
- T(C) TELEPHONE
- FO(C) FIBER OPTIC
- TV(C) CABLE TV
- G(C) GAS
- W(C) WATER
- SS(C) SANITARY SEWER
- STM(C) STORM DRAIN
- UNK(C) UNKNOWN

QUALITY LEVEL "D"

- E(D) ELECTRIC
- SL(D) STREET LIGHTING
- TC(D) TRAFFIC CONTROL
- T(D) TELEPHONE
- FO(D) FIBER OPTIC
- TV(D) CABLE TV
- G(D) GAS
- W(D) WATER
- SS(D) SANITARY SEWER
- STM(D) STORM DRAIN
- UNK(D) UNKNOWN

LEGEND

- LIMITS OF INVESTIGATION
- END OF INFORMATION (EOI)
- CABLE TV MANHOLE
- CABLE TV PEDESTAL
- CABLE TV VAULT
- TELEPHONE MANHOLE
- TELEPHONE PEDESTAL
- TELEPHONE VAULT
- TELEPHONE BOX
- ELECTRIC BOX
- ELECTRIC METER
- POWER POLE
- ELECTRIC TRANSFORMER
- ELECTRIC VAULT
- ELECTRIC PEDESTAL
- ELECTRIC MANHOLE
- GAS METER
- GAS MANHOLE
- GAS VALVE
- GAS VAULT
- STORM DRAIN INLET
- STORM DRAIN MANHOLE
- STORM DRAIN CLEANOUT
- SANITARY SEWER MANHOLE
- SANITARY SEWER MISCELLANEOUS
- STORM DRAIN MISCELLANEOUS
- TRAFFIC CROSSWALK SIGNAL
- LIGHT POLE
- SANITARY SEWER CLEANOUT
- FIRE HYDRANT
- WATER METER
- WATER MANHOLE
- WATER VALVE
- WATER VAULT
- WATER WELL
- TRAFFIC SIGNAL BOX
- TRAFFIC SIGNAL POLE
- FIBER OPTIC BOX
- FIBER OPTIC MANHOLE
- ELECTRIC MISCELLANEOUS
- GAS MISCELLANEOUS
- WATER MISCELLANEOUS
- TRAFFIC CONTROL MISCELLANEOUS
- TELEPHONE MISCELLANEOUS
- CABLE TV MISCELLANEOUS
- FIBER OPTIC MISCELLANEOUS
- TEST HOLE

LIST OF ACRONYMS

- AC ASBESTOS CEMENT
- CIP CAST IRON PIPE
- CIPP CURED-IN-PLACE PIPE
- CMP CORRUGATED METAL PIPE
- COAX COAXIAL CABLE
- DBC DIRECT BURIED CABLE
- DIP DUCTILE IRON PIPE
- FBE FUSION BONDED EPOXY
- HDPE HIGH DENSITY POLYETHYLENE
- PE POLYETHYLENE
- PVC POLYVINYL CHLORIDE
- PR PAIR
- RCP REINFORCED CONCRETE PIPE
- SAMH SANITARY SEWER MANHOLE
- STMH STORM SEWER MANHOLE
- VCP VITRIFIED CLAY PIPE
- ERSWD EAGLE RIVER WATER & SANITATION DISTRICT

I CERTIFY THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS IS IN ACCORDANCE WITH CI/ASCE STANDARD 38-02



TIMOTHY P. SULLIVAN, P.E. 29225 DATE
FOR AND ON BEHALF OF SAM, LLC

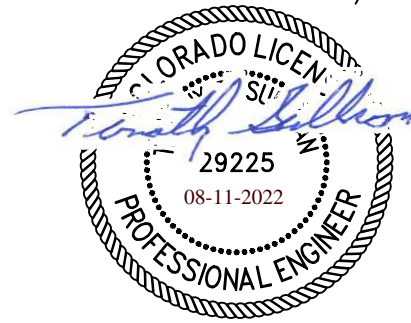
GENERAL NOTES AND LEGEND

PATH: \\SAMINC\DEN\PROJECTS\1018046733\100\SUE\02BASE\CAD\46733-US6-EAGLE-UL_REV2.DWG

Added QLA Test Hole Information	DPB	5/06/22	CLIENT: GOODBEE & ASSOCIATES JOB NAME: US 6 WEST EDWARDS JOB NUMBER: 1018046733 DATE: 7/10/2020 SCALE: N.T.S. ENGINEER: T. SULLIVAN TECHNICIAN: M. BRYAN FIELD TECH: J. JONES DRAWING: 46733-US6-EAGLE-UL_REV2.DWG
Updated Note 12	DPB	8/11/22	
NO.	REVISIONS	BY	DATE

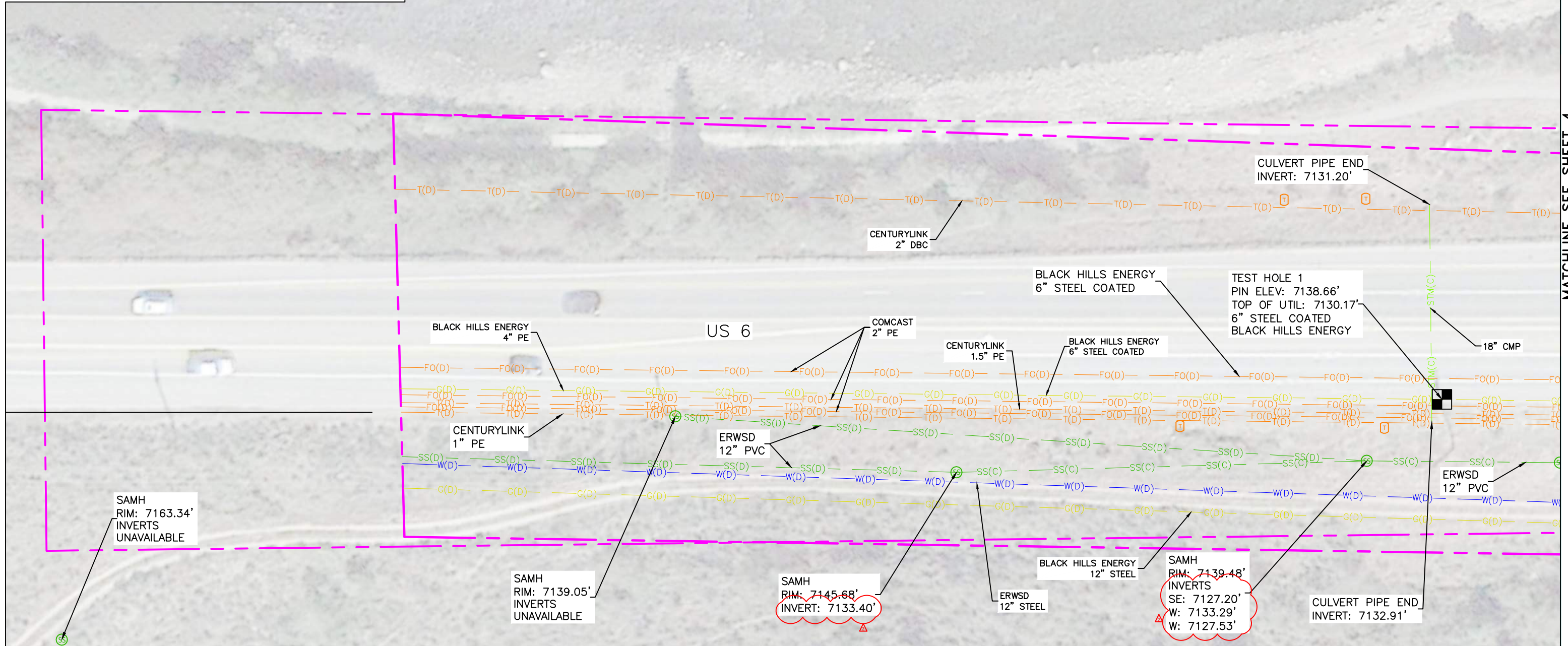
555 Zang Street,
Suite 210
Denver, Colorado 80228
Ofc: 303.988.5852
Fax: 303.988.2195
email: info@sam.biz

I CERTIFY THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS IS IN ACCORDANCE WITH CI/ASCE STANDARD 38-02



TIMOTHY P. SULLIVAN, P.E. 29225
FOR AND ON BEHALF OF SAM, LLC

DATE



MATCHLINE SEE SHEET 4

PATH: \\SAMINC\DEN\PROJECTS\1018046733\100\SUE\02BASE\CAD\46733-US6_EAGLE-UL_REV2.DWG

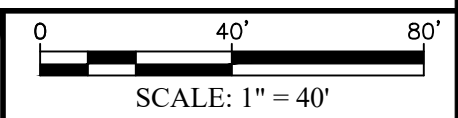
NO.	REVISIONS	BY	DATE

CLIENT: GOODBEE & ASSOCIATES
JOB NAME: US 6 WEST EDWARDS
JOB NUMBER: 1018046733
DATE: 7/10/2020
SCALE: 1" = 40'
ENGINEER T. SULLIVAN
TECHNICIAN M. BRYAN
FIELD TECH: J. JONES
DRAWING: 46733-US6_EAGLE-UL_REV2.DWG



555 Zang Street,
Suite 210
Denver, Colorado 80228
Ofc: 303.988.5852
Fax: 303.988.2195
email: info@sam.biz

PLAN SHEET



I CERTIFY THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS IS IN ACCORDANCE WITH CI/ASCE STANDARD 38-02

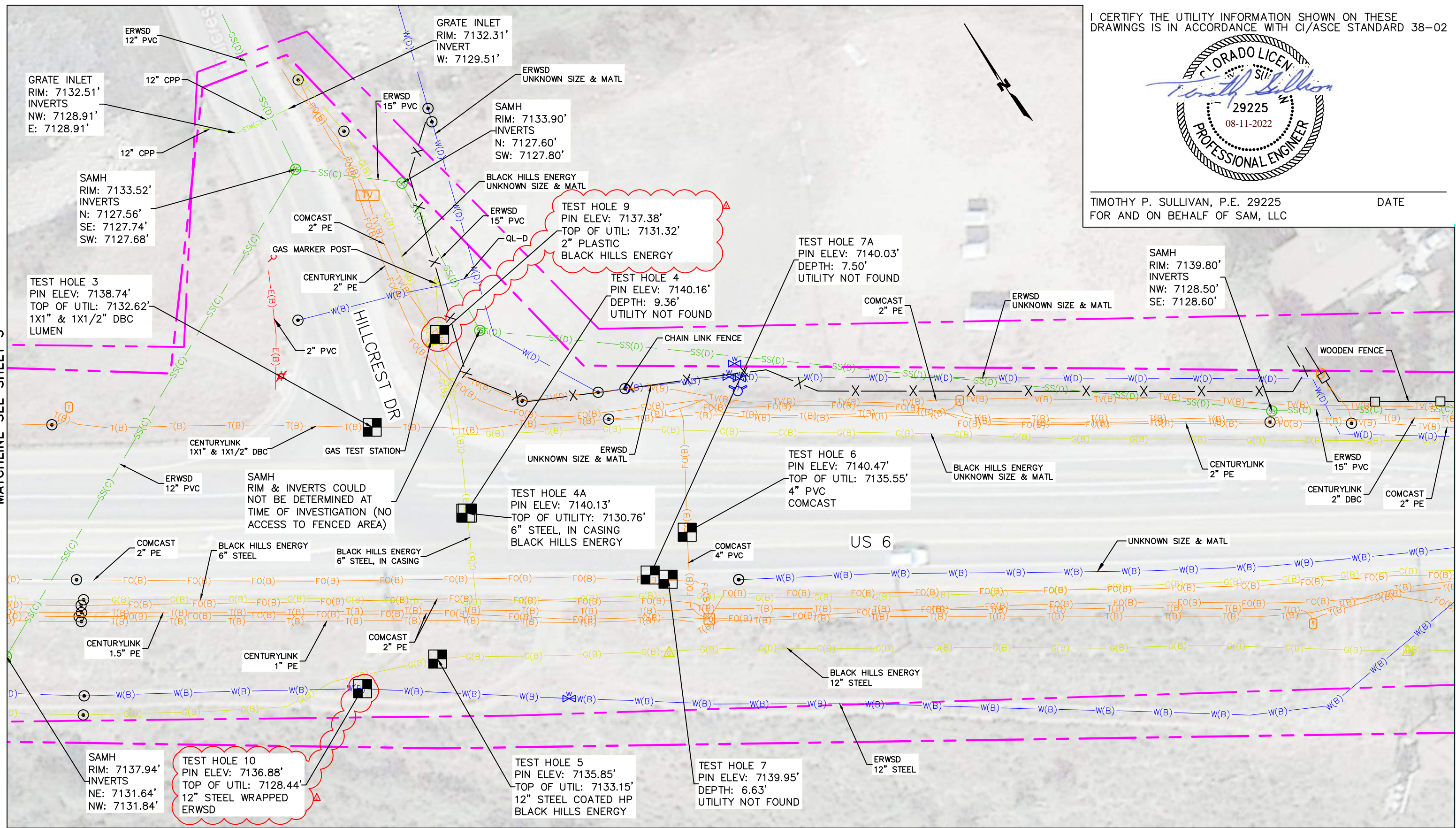


TIMOTHY P. SULLIVAN, P.E. 29225
FOR AND ON BEHALF OF SAM, LLC

DATE

MATCHLINE SEE SHEET 3

MATCHLINE SEE SHEET 5



NO.	REVISIONS	BY	DATE
1	Added QLA Test Hole Information	DPB	5/06/22
2	Added Test Holes 9 and 10	DPB	8/11/22

CLIENT: GOODBEE & ASSOCIATES
 JOB NAME: US 6 WEST EDWARDS
 JOB NUMBER: 1018046733
 DATE: 7/10/2020
 SCALE: 1" = 40'
 ENGINEER T. SULLIVAN
 TECHNICIAN: M. BRYAN
 FIELD TECH: J. JONES
 DRAWING: 46733-US6_EAGLE-UL_REV2.DWG

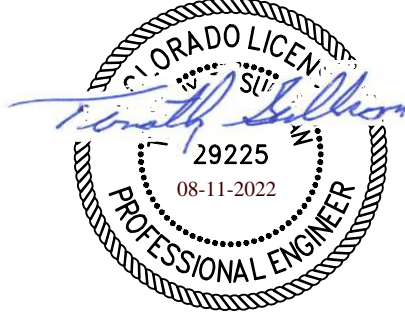
555 Zang Street,
Suite 210
Denver, Colorado 80228
Ofc: 303.988.5852
Fax: 303.988.2195
email: info@sam.biz

PLAN SHEET

SCALE: 1" = 40'

SHEET 4 OF 6

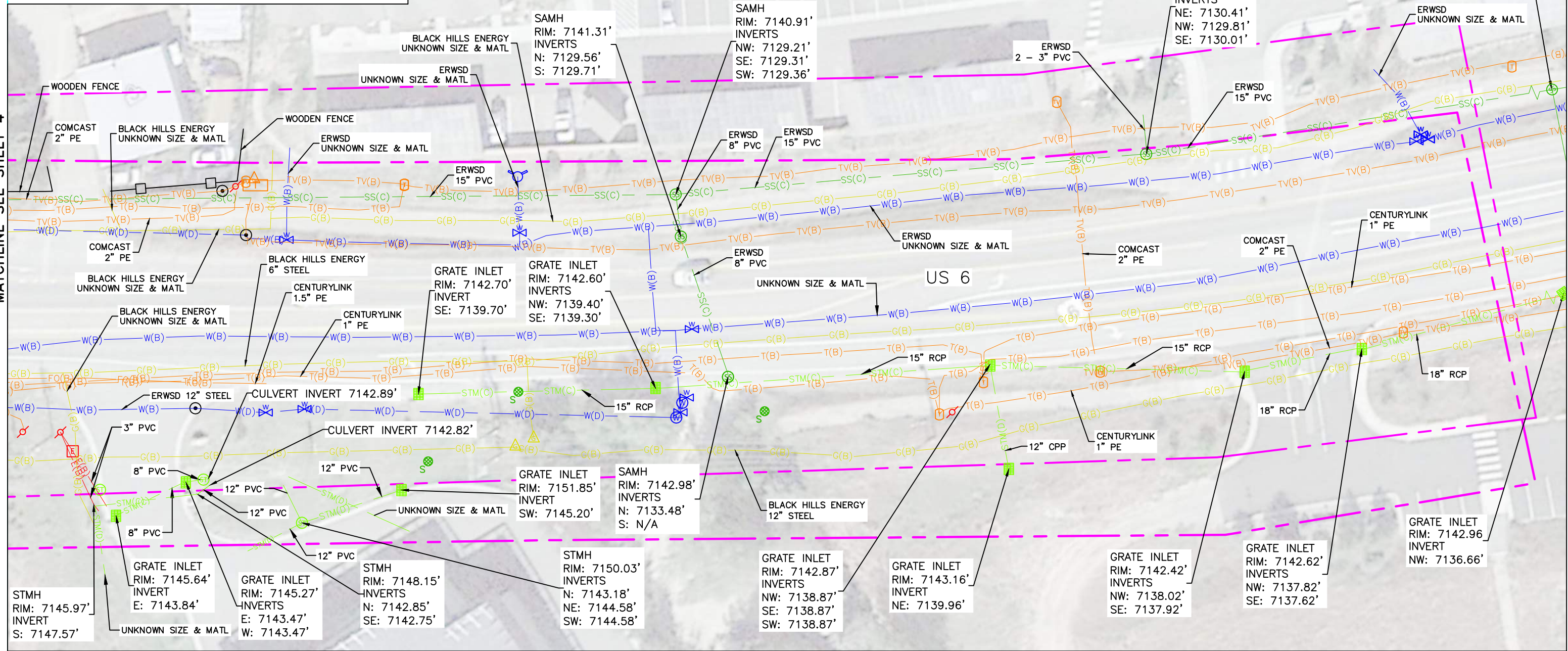
I CERTIFY THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS IS IN ACCORDANCE WITH CI/ASCE STANDARD 38-02



TIMOTHY P. SULLIVAN, P.E. 29225
FOR AND ON BEHALF OF SAM, LLC

DATE

MATCHLINE SEE SHEET 4



SAMH
RIM: 7139.68'
INVERTS
NW: 7130.58'
SE: 7130.68'
SW: 7130.68'

SAMH
RIM: 7140.71'
INVERTS
NE: 7130.41'
NW: 7129.81'
SE: 7130.01'

SAMH
RIM: 7140.91'
INVERTS
NW: 7129.21'
SE: 7129.31'
SW: 7129.36'

SAMH
RIM: 7141.31'
INVERTS
N: 7129.56'
S: 7129.71'

GRATE INLET
RIM: 7142.70'
INVERT
SE: 7139.70'

GRATE INLET
RIM: 7142.60'
INVERTS
NW: 7139.40'
SE: 7139.30'

GRATE INLET
RIM: 7151.85'
INVERT
SW: 7145.20'

SAMH
RIM: 7142.98'
INVERTS
N: 7133.48'
S: N/A

STMH
RIM: 7145.97'
INVERT
S: 7147.57'

GRATE INLET
RIM: 7145.64'
INVERT
E: 7143.84'

GRATE INLET
RIM: 7145.27'
INVERTS
E: 7143.47'
W: 7143.47'

STMH
RIM: 7148.15'
INVERTS
N: 7142.85'
SE: 7142.75'

STMH
RIM: 7150.03'
INVERTS
N: 7143.18'
NE: 7144.58'
SW: 7144.58'

GRATE INLET
RIM: 7142.87'
INVERTS
NW: 7138.87'
SE: 7138.87'
SW: 7138.87'

GRATE INLET
RIM: 7143.16'
INVERT
NE: 7139.96'

GRATE INLET
RIM: 7142.42'
INVERTS
NW: 7138.02'
SE: 7137.92'

GRATE INLET
RIM: 7142.62'
INVERTS
NW: 7137.82'
SE: 7137.62'

GRATE INLET
RIM: 7142.96'
INVERT
NW: 7136.66'

NO.	REVISIONS	BY	DATE

CLIENT: GOODBEE & ASSOCIATES
JOB NAME: US 6 WEST EDWARDS
JOB NUMBER: 1018046733
DATE: 7/10/2020
SCALE: 1" = 40'
ENGINEER: T. SULLIVAN
TECHNICIAN: M. BRYAN
FIELD TECH: J. JONES
DRAWING: 46733-US6_EAGLE-UL_REV2.DWG

555 Zang Street,
Suite 210
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Ofc: 303.988.5852
Fax: 303.988.2195
email: info@sam.biz

PLAN SHEET

SCALE: 1" = 40'

SHEET 5 OF 6



SURVEYING AND MAPPING LLC
 555 ZANG ST, SUITE 210, LAKEWOOD, CO 80228
 PH. 303-988-5852

Test Hole Summary

Project: US 6 Eagle

SAM, LLC Project # 1018046733 Prepared By:

Client: Goodbee

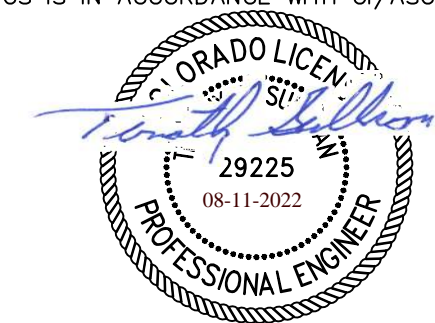
Checked By: Tim Sullivan

State COLORADO City: Edwards

TH#	Utility Expected	Utility Found	Utility Owner	Date Completed	Northing	Easting	Elev. Existing Ground	Elev. Top of Utility	Depth of Cover	NOTES
1	Gas 6"	Steel Coated	Black Hills Energy	5/2/2022	1665117.113	2681883.069	7138.665	7130.17	8.50'	Too many rocks to open hole wide enough to accurately determine diameter.
2	N/A							0.00		Client cancelled this Test Hole
3	Telephone	1 X 1" and 1 X .5" DBC	Lumen	4/25/2022	1665065.066	2682101.194	7138.744	7132.62	6.12'	
4	Gas	No	Black Hills Energy	4/25/2022	1665010.429	2682115.172	7140.161	7130.80	9.36'	Utility not found, large rocks at 9' prevented digging deeper.
4A	Gas 6"	Steel Casing	Black Hills Energy	5/2/2022	1665010.086	2682115.715	7140.134	7130.76	9.37'	Black Hills energy stated the Gas line was a 6" steel. The found utility appears larger and is possibly a sleeve which contains the gas line. Large rocks prevented complete excavation.
5	Gas 12"	12" Steel Coated HP	Black Hills Energy	4/26/2022	1664962.965	2682069.344	7135.849	7133.15	2.70'	
6	Fiber	4" PVC	Comcast	4/26/2022	1664949.629	2682192.912	7140.469	7135.55	4.92'	
7	Fiber	No	Comcast	4/26/2022	1664936.769	2682174.378	7139.952	7133.32	6.63'	Dug until 6' then too many rocks
7A	Fiber	No	Comcast	5/2/2022	1664942.692	2682168.767	7140.03	7132.53	7.50'	We tried a 2nd time and still did not find anything.
8	N/A							0.00		Client cancelled this Test Hole
9	Gas	Yes	Black Hills Energy	7/11/2022	1665079.652	2682143.316	7137.376	7131.32	6.06'	2" Plastic
10	Water	Yes	Eagle River Water & Sanitation	7/25/2022	1664966.582	2682028.782	7136.884	7128.44	8.44'	12" Steel wrapped

*Note MATL=PIPE MATERIAL
 Unit of Measurement is US FOOT
 See General Notes for Coordinate Information

I CERTIFY THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS IS IN ACCORDANCE WITH CI/ASCE STANDARD 38-02



TIMOTHY P. SULLIVAN, P.E. 29225
 FOR AND ON BEHALF OF SAM, LLC

DATE

TEST HOLE DATA

Added Test Holes 9 and 10 Information	DPB	8/11/22	CLIENT: GOODBEE & ASSOCIATES JOB NAME: US 6 WEST EDWARDS JOB NUMBER: 1018046733 DATE: 5/6/2022 SCALE: NONE ENGINEER T. SULLIVAN TECHNICIAN: D. BURTON FIELD TECH: S. WHITMORE DRAWING: 46733-US6_EAGLE-UL_REV2.DWG
NO.	REVISIONS	BY	DATE

555 Zang Street,
 Suite 210
 Denver, Colorado 80228
 Ofc: 303.988.5852
 Fax: 303.988.2195
 email: info@sam.biz

PATH: \\SAMINC\DEN\PROJECTS\1018046733\100\SUE\02BASE\CAD\46733-US6_EAGLE-UL_REV2.DWG