

EL PASO COUNTY

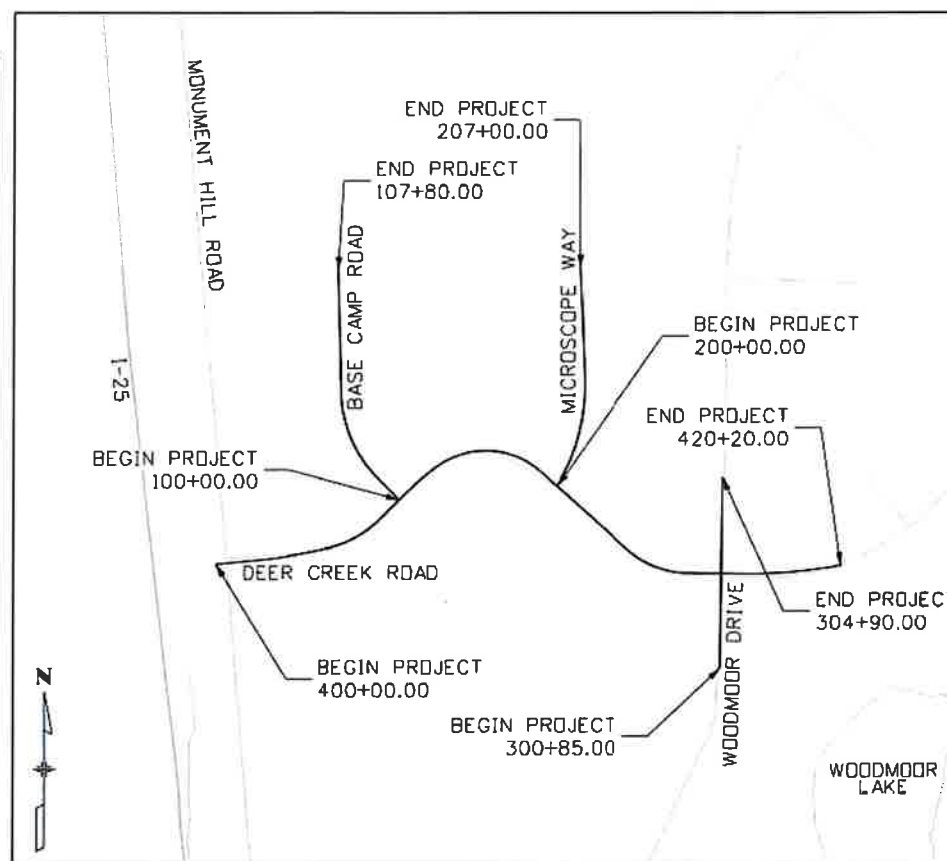
DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION FINAL DESIGN PLANS OF PROPOSED DEER CREEK ROADWAY IMPROVEMENTS FEBRUARY 25, 2026 EPC #17-067-90

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1	SUBSURFACE UTILITY INVESTIGATION PLANS

TABULATION OF LENGTH & DESIGN DATA

STATION	FEET			
	ROADWAY			
	DEER CREEK RD	WOODMOOR DR	BASE CAMP RD	MICROSCOPE WAY
BEGIN PROJECT DEER CREEK RD STATION 400+00				
BEGIN PROJECT BASE CAMP RD STATION 100+00				
END PROJECT BASE CAMP RD STATION 107+80			780	
BEGIN PROJECT MICROSCOPE WAY STATION 200+00				
END PROJECT MICROSCOPE WAY STATION 207+00				700
BEGIN PROJECT WOODMOOR DR STATION 300+85				
END PROJECT WOODMOOR DR STATION 304+90		405		
END PROJECT DEER CREEK RD STATION 420+20	2020			
TOTAL	2020	405	780	700
SUMMARY OF PROJECT LENGTH	FEET			MILES
PROJECT GROSS LENGTH	3905			0.74

DESIGN DATA	DEER CREEK RD	WOODMOOR DR	BASE CAMP RD	MICROSCOPE WAY
	MINIMUM CENTERLINE RADIUS	260'	300'	100'
MAXIMUM CENTERLINE GRADE	8%	8%	8%	8%
MINIMUM S.S.D.	200'	200'	115'	115'
DESIGN SPEED	30 MPH	30 MPH	20 MPH	20 MPH
e _{max}	4%	N/A	N/A	N/A
2021 TRAFFIC VOLUME	1,400	4,830	N/A	N/A
DHV TRUCK %	2%	2%	N/A	N/A
2040 TRAFFIC VOLUME	2,270	7,820	N/A	N/A
DHV TRUCK %	2%	2%	N/A	N/A
CLEAR ZONE DISTANCE	14'	14'	7'	7'



PROJECT LOCATION MAP

ENGINEER'S STATEMENT
THE ATTACHED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY RESPONSIBLE CHARGE AND IN ACCORDANCE WITH THE APPLICABLE STANDARD OF CARE. TO THE EXTENT CONSISTENT WITH THAT STANDARD OF CARE, THE PLANS AND SPECIFICATIONS WERE PREPARED IN GENERAL CONFORMANCE WITH THE CRITERIA ESTABLISHED BY THE COUNTY AND ARE CONSISTENT WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. I ACCEPT RESPONSIBILITY FOR MY PROFESSIONAL SERVICES IN THE PREPARATION OF THESE PLANS AND SPECIFICATIONS.

Wes Suchsland
WES SUCHSLAND, PE #52388 DATE
2/25/2026

EL PASO COUNTY:
COUNTY PLAN REVIEW IS PROVIDED SOLELY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY OR ADEQUACY OF THE PLANS AND SPECIFICATIONS, AND ACCEPTANCE OF THESE DOCUMENTS DOES NOT CONSTITUTE AN ASSUMPTION OF RESPONSIBILITY FOR THEIR COMPLETENESS OR ACCURACY.

Joshua J. Palmer
JOSHUA J. PALMER DATE
COUNTY ENGINEER/ECM ADMINISTRATOR 5/1/26

AECOM
2315 BRIARGATE PARKWAY, SUITE 150
COLORADO SPRINGS, CO 80920
719-531-0001
AECOM #60673398

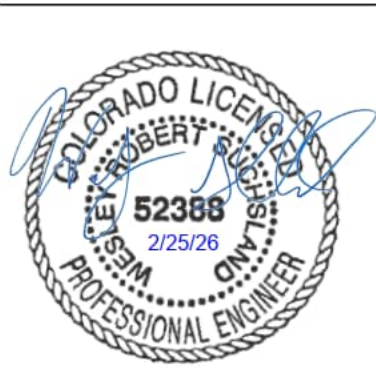
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PLAN NUMBER	M STANDARD TITLE	PAGE NUMBER	PLAN NUMBER	M STANDARD TITLE	PAGE NUMBER	PLAN NUMBER	S STANDARD TITLE	PAGE NUMBER
<input checked="" type="checkbox"/> M-100-1	STANDARD SYMBOLS (3 SHEETS).....	1-3	<input type="checkbox"/> M-603-12	TRAVERSABLE END SECTIONS AND SAFETY GRATES.....	62-64 (3 SHEETS)	<input type="checkbox"/> S-612-1	DELINEATOR INSTALLATIONS (8 SHEETS)(REV. ON APR. 3, 2025) 171-178	
<input checked="" type="checkbox"/> M-100-2	ACRONYMS AND ABBREVIATIONS (4 SHEETS).....	4-7	<input checked="" type="checkbox"/> M-604-10	INLET, TYPE C.....	65	<input checked="" type="checkbox"/> S-613-1	ROADWAY LIGHTING (6 SHEETS) (REVISED ON APRIL 3, 2025) 179-186	
<input type="checkbox"/> M-203-1	APPROACH ROADS.....	8	<input type="checkbox"/> M-604-11	INLET, TYPE D.....	66	<input type="checkbox"/> S-613-2	ALTERNATIVE ROADWAY LIGHTING (4 SHEETS)(ISSUED ON SEP. 30, 2020)	
<input type="checkbox"/> M-203-2	DITCH TYPES.....	9	<input type="checkbox"/> M-604-12	CURB INLET TYPE R (2 SHEETS).....	67-68	<input type="checkbox"/> S-613-3	PULL BOX DETAIL (2 SHEETS) (ISSUED ON APRIL 4, 2024)	
<input type="checkbox"/> M-203-11	SUPERELEVATION CROWNED AND DIVIDED HIGHWAYS (3 SHEETS)	10-12	<input type="checkbox"/> M-604-13	CONCRETE INLET TYPE 13.....	69	<input type="checkbox"/> S-613-4	TRAFFIC SIGNAL ONE-LINE DIAGRAMS (6 SHEETS)(ISS. ON JUNE 15, 2023) (REVISED ON JAN. 9, 2026) ...187-188	
<input checked="" type="checkbox"/> M-203-12	SUPERELEVATION STREETS (2 SHEETS).....	13-14	<input type="checkbox"/> M-604-20	MANHOLES (3 SHEETS).....	70-72	<input checked="" type="checkbox"/> S-614-1	GROUND SIGN PLACEMENT (2 SHEETS)....	187-188
<input checked="" type="checkbox"/> M-206-1	EXCAVATION AND BACKFILL FOR STRUCTURES (2 SHEETS)	15-16	<input type="checkbox"/> M-604-25	VANE GRATE INLET (5 SHEETS) (REV. ON FEB. 3, 2023)	73-77	<input checked="" type="checkbox"/> S-614-2	CLASS I SIGNS... (REVISED ON MARCH 1, 2024)	189
<input type="checkbox"/> M-206-2	EXCAVATION AND BACKFILL FOR BRIDGES (2 SHEETS)....	17-18	<input type="checkbox"/> M-605-1	SUBSURFACE DRAINS.....	78	<input checked="" type="checkbox"/> S-614-3	CLASS II SIGNS... (REVISED ON MARCH 1, 2024)	190
<input checked="" type="checkbox"/> M-208-1	TEMPORARY EROSION CONTROL (11 SHEETS) (REVISED ON MAY 16, 2024)	19-29	<input checked="" type="checkbox"/> M-606-1	MIDWEST GUARDRAIL SYSTEM TYPE 3 W-BEAM.....	79-97 31 INCHES (19 SHEETS) (REVISED ON MARCH 5, 2020)	<input type="checkbox"/> S-614-4	CLASS III SIGNS (3 SHEETS).... (REVISED ON MARCH 1, 2024)	191-193
<input checked="" type="checkbox"/> M-210-1	MAILBOX SUPPORTS (2 SHEETS).....	30-31	<input type="checkbox"/> M-606-13	GUARDRAIL TYPE 7 F-SHAPE BARRIER (4 SHEETS).....	98-101	<input type="checkbox"/> S-614-5	BREAK-AWAY SIGN SUPPORT DETAILS FOR CLASS III SIGNS (2 SHEETS)	194-195
<input type="checkbox"/> M-214-1	NURSERY STOCK DETAILS.....	32	<input type="checkbox"/> M-606-14	PRECAST TYPE 7 CONCRETE BARRIER (4 SHEETS).....	102-104 (REVISED ON FEBRUARY 9, 2023)	<input type="checkbox"/> S-614-6	CONCRETE FOOTINGS AND SIGN ISLANDS FOR CLASS III SIGNS (2 SHEETS)	196-197
<input checked="" type="checkbox"/> M-216-1	SOIL RETENTION COVERING (2 SHEETS).....	33-34	<input type="checkbox"/> M-606-15	GUARDRAIL TYPE 9 SINGLE SLOPE BARRIER (11 SHEETS) (REVISED ON FEBRUARY 17, 2023)	105-115	<input checked="" type="checkbox"/> S-614-8	TUBULAR STEEL SIGN SUPPORT DETAILS (7 SHEETS).....	198-204 (REVISED ON MARCH 1, 2024)
<input type="checkbox"/> M-400-1	SAFETYEDGE FOR PAVEMENT (NEW, ISSUED ON APRIL 25, 2025)		<input type="checkbox"/> M-607-1	WIRE FENCES AND GATES (3 SHEETS).....	116-118	S-614-9	PEDESTRIAN PUSH BUTTON POST ASSEMBLY (2 SHEETS) 205-206 (SUPERSEDED ON JANUARY 22, 2020 BY S-614-45)	
<input type="checkbox"/> M-412-1	CONCRETE PAVEMENT JOINTS (9 SHEETS)..... (REVISED ON JANUARY 31, 2022)	35-39	<input checked="" type="checkbox"/> M-607-2	CHAIN LINK FENCE (3 SHEETS).....	119-121	<input type="checkbox"/> S-614-10	MARKER ASSEMBLY INSTALLATIONS.....	207
<input type="checkbox"/> M-412-2	CONCRETE PAVEMENT CRACK REPAIR (6 SHEETS) (REVISED ON SEPTEMBER 6, 2022)		<input type="checkbox"/> M-607-3	BARRIER FENCE.....	122	<input type="checkbox"/> S-614-11	MILEPOST SIGN DETAIL FOR HIGH SNOW AREAS.....	208
<input type="checkbox"/> M-510-1	STRUCTURAL PLATE PIPE H-20 LOADING.....	40	<input type="checkbox"/> M-607-4	DEER FENCE, GATES, AND GAME RAMPS (7 SHEETS).....	123-127 (REVISED ON JULY 13, 2020)	<input type="checkbox"/> S-614-12	STRUCTURE NUMBER INSTALLATION (2 SHEETS).....	209-210
<input checked="" type="checkbox"/> M-601-1	SINGLE CONCRETE BOX CULVERT (CAST-IN-PLACE).....	41-42 (2 SHEETS)	<input type="checkbox"/> M-607-10	PICKET SNOW FENCE.....	128	<input type="checkbox"/> S-614-14	FLASHING BEACON AND SIGN INSTALLATIONS (4 SHEETS).. (REVISED ON JANUARY 9, 2026)	211-214
<input type="checkbox"/> M-601-2	DOUBLE CONCRETE BOX CULVERT (CAST-IN-PLACE).....	43-44 (2 SHEETS)	<input type="checkbox"/> M-607-15	ROAD CLOSURE GATE (9 SHEETS).....	129-137	<input type="checkbox"/> S-614-15	CHAIN STATION SIGNAGE (ISSUED ON APRIL 30, 2024)	
<input type="checkbox"/> M-601-3	TRIPLE CONCRETE BOX CULVERT (CAST-IN-PLACE).....	45-46 (2 SHEETS)	<input type="checkbox"/> M-608-1	CURB RAMPS (10 SHEETS).....	138-147	<input type="checkbox"/> S-614-17	RADAR SPEED FEEDBACK SIGN (RSFS) (3 SHEETS)(NEW, ISSUED ON JAN. 9, 2026)	
<input type="checkbox"/> M-601-10	HEADWALL FOR PIPES.....	47	<input checked="" type="checkbox"/> M-609-1	CURBS, GUTTERS, AND SIDEWALKS (4 SHEETS).....	148-151	<input type="checkbox"/> S-614-19	LATE/ZIPPER MERGE SIGNAGE (ISSUED ON SEPT. 22, 2025)	
<input type="checkbox"/> M-601-11	TYPE "S" SADDLE HEADWALLS FOR PIPE.....	48	<input type="checkbox"/> M-611-1	CATTLE GUARD (2 SHEETS).....	152-153	<input type="checkbox"/> S-614-20	TYPICAL POLE MOUNT SIGN INSTALLATIONS. (REVISED ON MARCH 1, 2024)	215
<input checked="" type="checkbox"/> M-601-12	HEADWALLS AND PIPE OUTLET PAVING.....	49	<input type="checkbox"/> M-611-2	DEER GUARD (2 SHEETS).....	154-155	<input type="checkbox"/> S-614-21	CONCRETE BARRIER SIGN POST INSTALLATIONS. (REVISED ON SEPTEMBER 21, 2020)	216-217 (2 SHEETS)
<input checked="" type="checkbox"/> M-601-20	WINGWALLS FOR PIPE OR BOX CULVERTS (2 SHEETS) ...	50-51	M-613-1	SUPERSEDED WITH S-613-1 AND S-613-2 IN JULY 2019		<input checked="" type="checkbox"/> S-614-22	TYPICAL MULTI-SIGN INSTALLATIONS.....	218
<input type="checkbox"/> M-603-1	METAL PIPE (4 SHEETS).....	52-55	<input type="checkbox"/> M-614-1	RUMBLE STRIPS (3 SHEETS).....	156-158	<input type="checkbox"/> S-614-23	J-POST SIGN SUPPORT (3 SHEETS) (ISSUED ON MARCH 1, 2024)	
<input checked="" type="checkbox"/> M-603-2	REINFORCED CONCRETE PIPE.....	56	<input type="checkbox"/> M-614-2	SAND BARREL ARRAYS (2 SHEETS).....	159-160	<input type="checkbox"/> S-614-40	TYPICAL TRAFFIC SIGNAL 30'-75' DOUBLE MAST ARMS..... 65'-75' SINGLE MAST ARMS (5 SHEETS) (REVISED ON JAN. 9, 2026)	219-223
<input checked="" type="checkbox"/> M-603-3	PRECAST CONCRETE BOX CULVERT..... (REVISED ON SEPTEMBER 10, 2020)	57	<input checked="" type="checkbox"/> M-615-1	EMBANKMENT PROTECTOR TYPE 3.....	161	<input type="checkbox"/> S-614-40A	ALTERNATIVE TRAFFIC SIGNAL..... 25'-55' SINGLE MAST ARMS (4 SHEETS) (REVISED ON JAN. 9, 2026)	224-227
<input type="checkbox"/> M-603-4	CORRUGATED POLYETHYLENE PIPE (AASHTO M294) AND CORRUGATED POLYPROPYLENE PIPE (AASHTO M330) (2 sheets) (REVISED ON MARCH 7, 2022)	58	<input type="checkbox"/> M-615-2	EMBANKMENT PROTECTOR TYPE 5.....	162	<input type="checkbox"/> S-614-41	TEMPORARY SPAN WIRE SIGNALS (13 SHEETS).....	228-240
<input type="checkbox"/> M-603-5	POLYVINYL CHLORIDE (PVC) PIPE (AASHTO M304).....	59	<input type="checkbox"/> M-616-1	INVERTED SIPHON.....	163	<input type="checkbox"/> S-614-42	CABINET FOUNDATION DETAIL (4 SHEETS) (REVISED ON APRIL 4, 2024)	241-244
<input type="checkbox"/> M-603-6	STEEL REINFORCED POLYETHYLENE RIBBED PIPE (AASHTO MP 20)	60	<input checked="" type="checkbox"/> M-620-1	FIELD LABORATORY CLASS 1.....	164	<input type="checkbox"/> S-614-43	TRAFFIC LOOP AND MISCELLANEOUS SIGNAL DETAILS..... (8 SHEETS) (REVISED ON JANUARY 9, 2026)	245-252
<input checked="" type="checkbox"/> M-603-10	CONCRETE AND METAL END SECTIONS.....	61	<input type="checkbox"/> M-620-2	FIELD LABORATORY CLASS 2 (2 SHEETS).....	165-166	<input type="checkbox"/> S-614-44	PEDESTAL POLE SIGNALS (2 SHEETS)(REV. ON JAN. 9, 2026)	253-254
			<input type="checkbox"/> M-620-11	FIELD OFFICE CLASS 1.....	167	<input type="checkbox"/> S-614-45	PEDESTRIAN PUSH BUTTON POST ASSEMBLY DETAILS (6 SHEETS) (REVISED ON JANUARY 9, 2026)	
			<input type="checkbox"/> M-620-12	FIELD OFFICE CLASS 2.....	168	<input type="checkbox"/> S-614-50	STATIC SIGN MONOTUBE STRUCTURES (12 SHEETS).....	255-266
			<input type="checkbox"/> M-629-1	SURVEY MONUMENTS (2 SHEETS).....	169-170	<input type="checkbox"/> S-614-60	DYNAMIC SIGN MONOTUBE STRUCTURES (14 SHEETS).....	267-280
						<input checked="" type="checkbox"/> S-627-1	PAVEMENT MARKINGS (11 SHEETS)(REV. ON JAN. 14, 2026) 281-289	
						<input checked="" type="checkbox"/> S-630-1	TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION..... (26 SHEETS) (REVISED ON JANUARY 14, 2026)	290-313
						<input checked="" type="checkbox"/> S-630-2	BARRICADES, DRUMS, CONCRETE BARRIERS (TEMP).....	314 AND VERTICAL PANELS
						<input checked="" type="checkbox"/> S-630-3	FLASHING BEACON (PORTABLE) DETAILS.....	315
						<input checked="" type="checkbox"/> S-630-4	STEEL SIGN SUPPORT (TEMPORARY) INSTALLATION.....	316-317 DETAILS (2 SHEETS)
						<input type="checkbox"/> S-630-5	PORTABLE RUMBLE STRIPS (TEMPORARY) (2 SHEETS).....	318-319
						<input type="checkbox"/> S-630-6	EMERGENCY PULL-OFF AREA (TEMPORARY) (REV. ON JAN. 9, 2026)	320
						<input type="checkbox"/> S-630-7	ROLLING ROADBLOCKS FOR TRAFFIC CONTROL (3 SHEETS)	321-323

COLORADO
 DEPARTMENT OF TRANSPORTATION
M&S STANDARDS PLANS LIST
 July 31, 2019
 Revised on January 16, 2026

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 RESPONSIBILITY WITH RESPECT TO THIS PLAN SHEET
 IS LIMITED TO THE SELECTION OF THE STANDARD PLANS
 FOR THIS PROJECT AND A DETERMINATION THAT THE
 SELECTION IS APPROPRIATE FOR THE PROJECT.

Computer File Information	
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Designer: PDC	Detailer: JJB
Checker: PDC	
11x17 Scale: N/A	Units: Survey Feet

Index of Revisions		
Date:	Comments	Init.

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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
STANDARD PLANS LIST	GENERAL 1 of 3
	Sheet Number 002

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GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH 2020 EL PASO COUNTY ENGINEERING CRITERIA MANUAL (REV 6), 2023 COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, PROJECT SPECIAL PROVISIONS, STANDARD SPECIAL PROVISIONS AND THESE DRAWINGS.
2. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND ACCEPTANCE BY THE ENGINEER OR APPLICABLE ENTITY.
3. THE ENGINEER SHALL BE NOTIFIED ONE WEEK PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.
4. ALL WORK SHALL BE DONE TO THE LINES, GRADES, SECTIONS, AND ELEVATIONS SHOWN ON THE PLANS UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER.
5. ALL STATIONS ARE ALONG THE HORIZONTAL CONTROL LINE UNLESS OTHERWISE NOTED.
6. UNLESS OTHERWISE NOTED STATIONS AND OFFSETS SHOWN ARE TO EDGE OF PAVEMENT, OR IF CURB AND GUTTER TO LIP OF GUTTER. ELEVATIONS ARE TO FINISH GRADE OF PAVEMENT, OR IF CURB AND GUTTER TO LIP OF GUTTER.
7. PROFILE GRADE LENGTHS AND STATIONS CALL OUTS ARE BASED ON HORIZONTAL CONTROL LINE UNLESS NOTED OTHERWISE.
8. FOR QUANTITIES OF PAVEMENT MATERIALS, THE FOLLOWING RATES OF APPLICATION WERE USED:
TACK COAT DILUTED EMULSIFIED ASPHALT.....@ 0.1 GALS./SQ. YD.(DILUTED)
BITUMINOUS PAVEMENT.....@ 147 LBS./CU. FT.
9. DILUTED EMULSIFIED ASPHALT FOR TACK COAT SHALL CONSIST OF 1 PART EMULSIFIED ASPHALT AND 1 PART WATER. THIS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PAVEMENT ITEM.
10. WATER SHALL BE USED AS A DUST PALLIATIVE WHERE REQUIRED. LOCATIONS SHALL BE AS DIRECTED BY THE ENGINEER. WATER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF WORK.
11. ANY LAYER OF BITUMINOUS PAVEMENT THAT IS TO HAVE A SUCCEEDING LAYER PLACED THEREON SHALL BE COMPLETED FULL WIDTH BEFORE SUCCEEDING LAYER IS PLACED.
12. THE CONTRACTOR SHALL NOT PARK ANY VEHICLES OR EQUIPMENT IN, OR DISTURB ANY AREAS NOT APPROVED BY THE ENGINEER.
13. THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE AND/OR TOES OF SLOPE AS SHOWN ON THE PLANS. ANY DISTURBANCE BEYOND THESE LIMITS SHALL BE RESTORED TO ORIGINAL CONDITIONS AT THE CONTRACTOR'S EXPENSE. CONSTRUCTION ACTIVITIES, IN ADDITION TO NORMAL CONSTRUCTION PROCEDURES, SHALL INCLUDE THE PARKING OF VEHICLES OR EQUIPMENT, DISPOSAL OF LITTER AND ANY OTHER ACTION WHICH WOULD ALTER EXISTING CONDITIONS, WHERE APPROVED.
14. WHERE NEW PAVEMENT IS TO ABUT EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE REMOVED TO A NEAT VERTICAL LINE USING A CUTTING SAW OR OTHER METHOD AS APPROVED BY THE ENGINEER. SAW CUTTING ASPHALT WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF REMOVAL OF ASPHALT MAT.
15. DEPTH OF MOISTURE-DENSITY CONTROL FOR THIS PROJECT SHALL BE AS FOLLOWS: FULL DEPTH OF ALL EMBANKMENTS.
16. 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.
17. SEE TAB OF SIGNING & STRIPING FOR ESTIMATED GALLONS OF MODIFIED EPOXY PAVEMENT MARKING THAT WILL BE REQUIRED ON THIS PROJECT.
18. THE CONTRACTOR SHALL DEVELOP AND SUBMIT A METHOD FOR HANDLING TRAFFIC (MHT) FOR EACH DIFFERENT PHASE OF CONSTRUCTION FOR APPROVAL BY THE ENGINEER PRIOR TO STARTING THE WORK.
19. REMOVED SIGN PANELS SHALL BE SALVAGED BY THE CONTRACTOR TO A LOCATION TO BE DETERMINED BY EL PASO COUNTY AND SHALL REMAIN THE PROPERTY OF EL PASO COUNTY. SALVAGE AND TRANSPORT OF REMOVED SIGNS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF WORK.
20. IF FIELD CONDITIONS ARE FOUND TO BE DIFFERENT THAN SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT AN APPROPRIATE ACTION CAN BE IDENTIFIED.
21. FLOW SHALL BE MAINTAINED IN CRYSTAL CREEK AT ALL TIMES. THIS SHALL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE WORK.
22. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO AT 811 AT LEAST THREE BUSINESS DAYS IN ADVANCE OF ANY EXCAVATING OR GRADING.

23. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL UTILITIES AND STRUCTURES AFFECTED BY THE WORK AND ANY DAMAGE SHALL BE REPAIRED AND RESTORED TO THE SATISFACTION OF THE UTILITY OWNER.
24. CONTRACTOR SHALL NOTIFY ALL BUSINESSES AND RESIDENTS, IN WRITING, PRIOR TO ANY INTERRUPTION IN UTILITY SERVICE. NOTICE MUST BEAR ALL APPROPRIATE CONTACT INFORMATION, AND AN EMERGENCY NUMBER FOR AFTER HOURS CALLS.
25. ALL VALVES AND MANHOLES LOCATED WITHIN THE PROJECT LIMITS SHALL BE LOCATED AND ADJUSTED TO GRADE BY THE CONTRACTOR. SEVERAL ADJUSTMENTS MAY BE REQUIRED THROUGHOUT THE COURSE OF THE PROJECT TO ACCOMMODATE TEMPORARY TRAFFIC CONFIGURATIONS AND PHASING, BUT PAYMENT FOR ADJUSTMENT WILL ONLY BE MADE ONCE PER VALVE OR MANHOLE.
26. ALL SURVEYING NECESSARY TO COMPLETE THE PROJECT WILL BE PAID UNDER ITEM 625 CONSTRUCTION SURVEYING, PAID AS ONE LUMP SUM. SEE SURVEY TABULATION SHEET FOR DETAILS ON WORK TO BE PERFORMED.
27. THE CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION DESIGNATED TO REMAIN 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.
28. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN TEMPORARY TRAFFIC CONTROL DEVICES NECESSARY THROUGHOUT THE DURATION OF CONSTRUCTION IN CONFORMANCE WITH TRAFFIC CONTROL PLANS.
29. THE CONTRACTOR SHALL MAINTAIN PAVEMENT MARKINGS ON THE ROADWAYS DURING ALL PHASES OF CONSTRUCTION IN ACCORDANCE WITH MUTCD (2009 EDITION), EL PASO COUNTY AND CDOT STANDARDS.
30. FINAL GRADING OF PAVING SHALL PROVIDE POSITIVE DRAINAGE. WATER POCKETS AND POOLING OF WATER ON THE ROADWAY WILL NOT BE ACCEPTED, AND SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
31. THE CONTRACTOR SHALL VERIFY PROPERTIES THAT REQUIRE TEMPORARY FENCE WITH THE ENGINEER PRIOR TO REMOVAL OF EXISTING FENCE. EXISTING FENCE AND GATES NOT DESIGNATED ON THE PLANS FOR REMOVAL SHALL BE PROTECTED AND SUPPORTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. TEMPORARY FENCE AND WORK TO PROTECT EXISTING FENCE SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF WORK.
32. FOR THIS PROJECT ITEM 609-21010 SHALL MEET THE MATERIAL AND CONSTRUCTION REQUIREMENTS OF EL PASO COUNTY CURB TYPE B AND 609-21020 SHALL MEET THE MATERIAL AND REQUIREMENTS OF EL PASO COUNTY CURB TYPE A AND 609-21021 SHALL MEET THE MATERIAL AND REQUIREMENTS OF EL PASO COUNTY CURB TYPE D.
33. CONTRACTOR SHALL BE RESPONSIBLE FOR SNOW REMOVAL IN AREAS UNDER CONSTRUCTION.
34. FOR THIS PROJECT PLOWABLE END SECTIONS SHALL BE PAID FOR AS ITEM 609-40120 CURB (MEDIAN)(SPECIAL) AND SHALL MEET THE MATERIAL AND REQUIREMENTS OF EL PASO COUNTY PLOWABLE MEDIAN NOSE.

WATER QUALITY NOTES:

35. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN EXISTING BMPS AND ENSURE THEIR COMPLETE REMOVAL FROM COUNTY ROW ONCE 70% OF PRE-EXISTING VEGETATION HAS BEEN RE-ESTABLISHED.
36. ALL WORK SHALL BE IN COMPLIANCE WITH THE CLEAN WATER ACT SECTION 404 PERMIT, INCLUDING SPECIAL AND GENERAL CONDITION REQUIREMENTS.

NOISE NOTES:

37. THE CONTRACTOR SHALL COMPLY WITH ALL NOISE ORDINANCES AND/OR OTHER RESTRICTIONS APPLICABLE TO NIGHTTIME CONSTRUCTION ACTIVITIES PER COUNTY CODE OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL COORDINATE WITH THE COUNTY FOR ALL NECESSARY NOISE EXEMPTIONS, NOTICES, MEMORANDUM(S), NOISE PERMIT VARIANCES, AND APPROVALS TO DO NIGHT WORK AS REQUIRED. NIGHT WORK CANNOT BEGIN UNTIL THE NECESSARY DOCUMENTATION AND NOTIFICATIONS HAVE BEEN APPROVED BY THE LOCAL AGENCY AUTHORITY. STANDARD NOISE CONTROLS AND BEST MANAGEMENT PRACTICES (BMPS) FOR REDUCING EQUIPMENT AND CONSTRUCTION ACTIVITY NOISE LEVELS SHALL BE UTILIZED IN ALL CASES AND WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONSISTENTLY EMPLOY WHEN WORKING IN NOISE-SENSITIVE AREAS BETWEEN 7:00 PM AND 7:00 AM. ALL EXEMPTION REQUESTS AND PERMITTING REQUIREMENTS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE WORK.

MISCELLANEOUS ENVIRONMENTAL NOTES:

38. THE PROJECT IS EXPECTED TO INCUR TEMPORARY IMPACTS TO WETLANDS AT LOCATIONS INDICATED ON THE PLANS OR AS APPROVED BY THE ENGINEER. DISTURBANCE BEYOND THESE LIMITS IS STRICTLY PROHIBITED AND SHALL BE RESTORED TO THE SATISFACTION OF THE ENGINEER BY THE CONTRACTOR AT NO COST TO THE PROJECT.

39. THE CONTRACTOR SHALL FOLLOW SENATE BILL 40 WILDLIFE CERTIFICATION MITIGATION REQUIREMENTS. THIS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE WORK.
40. THE CONTRACTOR SHALL PROMPTLY AND PROPERLY REMOVE GARBAGE OR TRASH PRODUCED DURING CONSTRUCTION ACTIVITIES TO AVOID ATTRACTING WILDLIFE. THIS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE WORK.

STORM DRAIN NOTES:

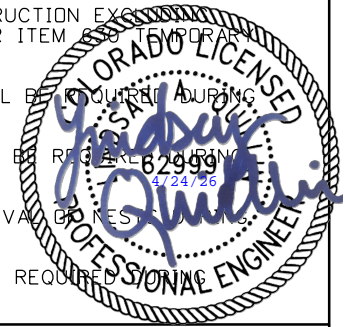
41. CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS APPURTENANT MATERIALS FOR STORM PIPES WHETHER OR NOT SHOWN ON THE PLANS, AS REQUIRED FOR PROPER INSTALLATION OF THE PIPE, INCLUDING, BUT NOT LIMITED TO JOINT FASTENERS, ALL NUTS, BOLTS, RODS, GASKETS, CONCRETE INSERTS, CONCRETE COLLARS, AND ATTACHMENT PLATES. THESE ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF PIPE.
42. ALL JOINTS FOR CROSS DRAINS AND STORM DRAINS SHALL BE WATERTIGHT. ALL CIRCULAR AND ELLIPTICAL REINFORCED PIPE SHALL HAVE CONFINED RUBBER GASKETS.
43. ALL STORM PIPE SHALL BE RCP CLASS III UNLESS OTHERWISE NOTED.
44. ALL RIPRAP SHALL BE INSTALLED WITH UNDERLYING GEOTEXTILE (EROSION CONTROL) (CLASS 1).
45. ALL GEOTEXTILE SHALL BE KEYED IN A MINIMUM OF 1 FOOT ALONG THE PERIMETER OF THE RIPRAP.

UTILITIES NOTE:


46. UTILITY LINES AS SHOWN ON PLAN SHEETS ARE PLOTTED FROM BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND PROTECTION OF ALL UTILITIES AT NO ADDITIONAL COST TO THE PROJECT.

QUANTITIES:

47. ALL CLEARING AND GRUBBING NECESSARY TO COMPLETE THE PROJECT WILL BE PAID FOR UNDER ITEM 201 CLEARING AND GRUBBING, PAID AS ONE LUMP SUM.
48. IT IS ESTIMATED THAT 200 HOURS WILL BE REQUIRED FOR POTHOLING. POTHOLING HOURS SHALL BE APPROVED BY THE ENGINEER PRIOR TO COMMENCING THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND COORDINATING WITH THE APPROPRIATE UTILITY REPRESENTATIVES TO BE ONSITE DURING POTHOLING AND SHALL LIKEWISE BE RESPONSIBLE FOR DETERMINING THE TYPE AND LOCATING OF UNDERGROUND UTILITIES AS MAYBE NECESSARY TO AVOID DAMAGE THERETO. THE CONTRACTOR SHALL REFER TO THE UTILITY SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
49. THE CONTRACTOR WILL PROVIDE 1 FIELD OFFICE, WHICH SHALL BE PAID FOR AS ITEM 620 FIELD OFFICE (CLASS 1), EACH.
50. THE CONTRACTOR WILL PROVIDE 1 FIELD LABORATORY, WHICH SHALL BE PAID FOR AS ITEM 620 FIELD LABORATORY (CLASS 1), EACH. THE FIELD LABORATORY AND FIELD OFFICE SHALL BE LOCATED TOGETHER ON THE PROJECT SITE.
51. ALL SURVEYING NECESSARY TO COMPLETE THE PROJECT WILL BE PAID FOR UNDER ITEM 625 CONSTRUCTION SURVEYING, PAID AS ONE LUMP SUM. SEE SURVEY TABULATION SHEET FOR DETAILS ON WORK TO BE PERFORMED.
52. MOBILIZATION FOR THIS PROJECT SHALL BE PAID FOR UNDER ITEM 626 MOBILIZATION, PAID AS ONE LUMP SUM.
53. IT IS ESTIMATED THAT 250 DAYS OF TRAFFIC CONTROL INSPECTION WILL BE REQUIRED DURING CONSTRUCTION.
54. IT IS ESTIMATED THAT 100 DAYS OF TRAFFIC CONTROL MANAGEMENT WILL BE REQUIRED DURING CONSTRUCTION.
55. ALL TRAFFIC CONTROL DEVICES REQUIRED DURING CONSTRUCTION EXCEPT PORTABLE MESSAGE SIGN PANEL WILL BE PAID FOR UNDER ITEM 628 TEMPORARY TRAFFIC CONTROL DEVICES, PAID AS ONE LUMP SUM.
56. IT IS ESTIMATED 5 PORTABLE MESSAGE SIGN PANELS WILL BE REQUIRED DURING CONSTRUCTION.
57. IT IS ESTIMATED 20 HOURS OF WILDLIFE BIOLOGIST WILL BE REQUIRED DURING CONSTRUCTION.
58. IT IS ESTIMATED 20 HOURS WILL BE REQUIRED FOR REMOVAL OF BONES DURING CONSTRUCTION.
59. IT IS ESTIMATED 92 SQUARE YARDS OF NETTING WILL BE REQUIRED DURING CONSTRUCTION.



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Computer File Information		Index of Revisions			ElPaso County Department of Public Works 3275 Akers Dr Phone: 719-520-6460 Fax: 719-520-6879		AECOM 2315 Briargate Pkwy #150 Colorado Springs, CO 80920 Phone: 719-531-0001 Fax: 719-531-0007 AECOM #60673398	DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
Print Date: 4/24/2026		Date:	Comments	Init.				GENERAL NOTES	GENERAL 2 of 3
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11x17 Scale: N/A Units: Survey Feet	<input type="checkbox"/>					Sheet Number 003			

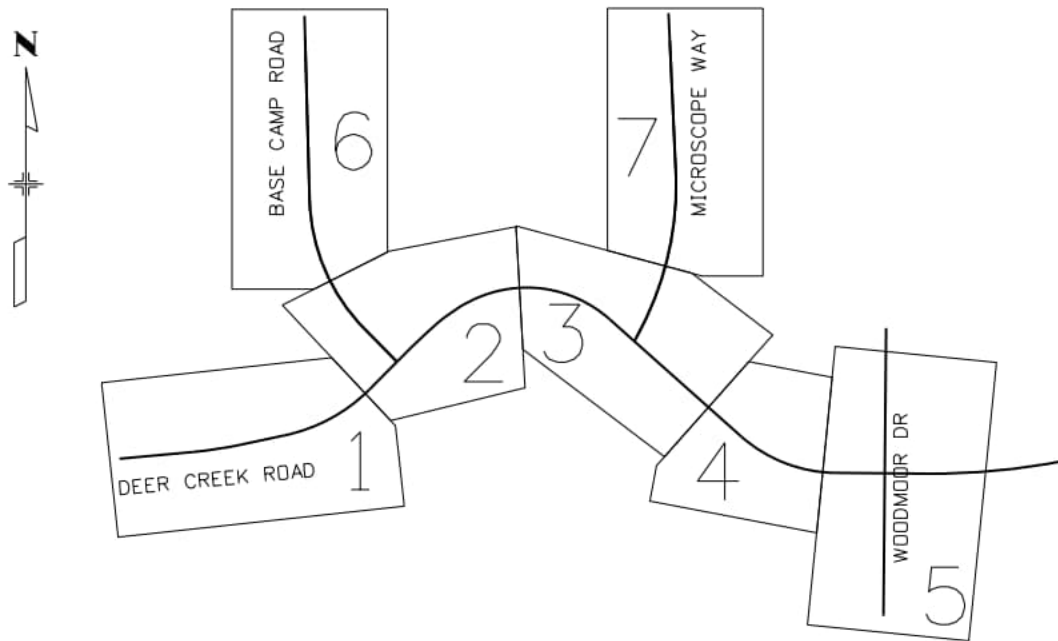
ABBREVIATIONS

&	AND	FDR	FULL DEPTH RECLAMATION	PGL	PROFILE GRADE LINE	TE	TEMPORARY EASEMENT
(##)	EXISTING ELEVATION	FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY	PI	POINT OF INTERSECTION	TELE	TELEPHONE
@	AT	FH	FIRE HYDRANT	PL	PLACE or PROPERTY LINE	THRU	THROUGH
~	APPROXIMATELY	FHWA	FEDERAL HIGHWAY ADMINISTRATION	POB	POINT OF BEGINNING	TRANS	TRANSFORMER
<PT	ANGLE POINT	FL	FLOWLINE	POC	POINT ON CURVE	TS	END TANGENT, BEGIN SPIRAL
AB	ABANDON	FO	FIBER OPTIC	POE	POINT OF ENDING	TY	TYPE
ABC	AGGREGATE BASE COURSE	G	GAS LINE	POT	POINT ON TANGENT	TYP	TYPICAL
AC	ACRE	GALV	GALVANIZED	PR	PROPERTY RESTORATION	UE	UTILITY EASEMENT
AHW	ALLOWABLE HEAD WATER	GR	GRADING	PRC	POINT OF REVERSE CURVATURE	UGE	UNDERGROUND ELECTRIC
AJ	ADJUST	H	HEIGHT	PRHS	PALMER RIDGE HIGH SCHOOL PROPOSED	UGT	UNDERGROUND TELEPHONE
ADT	AVERAGE DAILY TRAFFIC	HCL	HORIZONTAL CONTROL LINE	PROP	PROPOSED	UNCC	UTILITY NOTIFICATION CENTER OF COLORADO
ALIGN	ALIGNMENT	HDPE	HIGH DENSITY POLYETHYLENE	PRV	PRIVATE	UNCL	UNCLASSIFIED
ALT	ALTERNATE	HERCES	HORIZONTAL ELLIPTICAL REINFORCED END SECTION	PT	POINT OF TANGENCY or PROTECT	UNKN	UNKNOWN
APPROX	APPROXIMATE	HERCP	HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE	PVC	POINT OF VERTICAL CURVATURE	UNO	UNLESS NOTED OTHERWISE
BH	BLACK HILLS CORPORATION	HGL	HYDRAULIC GRADE LINE	PVI	POINT OF VERTICAL INTERSECTION	VAR	VARIABLE MESSAGE SIGN
BMP	BEST MANAGEMENT PRACTICE	HORIZ	HORIZONTAL	PVT	POINT OF VERTICAL INTERSECTION	W	WEST
C&G	CURB AND GUTTER	HR	HOUR	Q	FLOW TANGENCY	W/	WITH
CATV	CABLE TELEVISION	HW	HEAD WATER	R	RADIUS	WB	WESTBOUND
CBC	CONCRETE BOX CULVERT	HYD	HYDRANT	RC	REVERSE CROWN	WDMR	WOODMOOR
CBL	CURBLINE	ID	IDENTIFICATION	RCS	REINFORCED CONCRETE END SECTION	WL	WATERLINE
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION	IN	INCH	RCP	REINFORCED CONCRETE PIPE	WLWV	WATER VALVE
CDS	CUL-DE-SAC	INFO	INFORMATION	RD	ROAD	WWSD	WOODMOOR WASTEWATER & SANITATION DISTRICT
CF	CUBIC FOOT	INV	INVERT	REINF	REINFORCING	YR	YEAR
CFS	CUBIC FOOT PER SECOND	IR	IRRIGATION	REQ'D	REQUIRED		
CIP	COMPLETE IN PLACE	K	K VALUE	RET	RETAINING		
CL	CENTERLINE or CLASS	KV	KILOVOLT	RL	RELOCATE		
CMU	CONCRETE MASONRY UNIT	L	LENGTH	RM	REMOVE/REMOVAL OF		
CONC	CONCRETE	LB	POUND	ROW	RIGHT-OF-WAY		
CONT	CONTINUOUS	LED	LIGHT EMITTING DIODE	RS	RESET		
CP	CONTROL POINT	LF	LINEAR FOOT	RT	RIGHT		
CS	END CURVE, BEGIN SPIRAL	LS	LUMP SUM or LENGTH OF SPIRAL	S	SLOPE or SOUTH		
CSP	CORRUGATED STEEL PIPE	LT	LEFT or LONG TANGENT	SB	SOUTHBOUND		
CST	COMCAST	MAT	MATERIAL	SC	END SPIRAL, BEGIN CURVE		
CTL	CENTURY LINK	ME	MATCH EXISTING	SEC	SECOND		
CTS	CEMENT TREATED SUBGRADE	MH	MANHOLE	SF	SQUARE FOOT		
CY	CUBIC YARD	MHR	MONUMENT HILL ROAD	SHLD	SHOULDER		
D	DEGREE OF CURVATURE	MI	MILE	SHT	SHEET		
DA	DRAINAGE AREA	MIN	MINIMUM or MINUTE	SPI	SPIRAL CURVE POINT OF INTERSECTION		
DB	DUCT BANK	MOD	MODIFIED	SQ	SQUARE		
DBL	DOUBLE	MON	MONUMENT	SS	SANITARY SEWER		
DC	DEER CREEK	MOT	MAINTENANCE OF TRAFFIC	SSD	STOPPING SIGHT DISTANCE		
DET	DETAIL	MPH	MILE PER HOUR	ST	END SPIRAL, BEGIN TANGENT		
DHV	DESIGN HOURLY VOLUME	MVEA	MOUNTAIN VIEW ELECTRIC	ST	SHORT TANGENT		
DHW	DESIGN HEAD WATER	N	NORTH/NORTHING	STA	STATION		
DIA	DIAMETER	N/A	NOT APPLICABLE	STD	STANDARD		
DIP	DUCTILE IRON PIPE	NB	NORTHBOUND	STL	STEEL		
DR	DRIVE	NC	NORMAL CROWN	STR	STRUCTURE		
DS	DESIGN SPEED	NTS	NOT TO SCALE	STS	STORM SEWER		
DWY	DRIVEWAY	OHE	OVERHEAD ELECTRIC	SWMP	STORMWATER MANAGEMENT PLAN		
E	EAST/EASTING	OHT	OVERHEAD TELEPHONE/TV	SY	SQUARE YARD		
e	SUPERELEVATION RATE	PC	POINT OF CURVATURE	T	TANGENT or THICKNESS		
EA	EACH	PCC	POINT OF COMPOUND CURVATURE	TBC	TOP BACK OF CURB		
EB	EASTBOUND	PE	PERMANENT EASEMENT	TCB	TRAFFIC CONTROL BOX		
ECS	EROSION CONTROL SUPERVISOR	PE	POLYETHYLENE	TCE	TEMPORARY CONSTRUCTION EASEMENT		
ELEC	ELECTRIC	PED	PEDESTAL or PEDESTRIAN	TCS	TRAFFIC CONTROL SUPERVISOR		
ELEV	ELEVATION	PES	PLOWABLE END SECTION				
EOG	EDGE OF GRAVEL	PG	PERFORMANCE GRADED				
EOP	EDGE OF PAVEMENT						
EPC	EL PASO COUNTY						
ESMT	EASEMENT						
ETW	EDGE OF TRAVELED WAY						
EV	ELECTRIC VAULT						
EXIST	EXISTING						

LEGEND

EXISTING	PROPOSED
RIGHT OF WAY	-----
EASEMENT	-----
PROPERTY LINE	-----
EDGE OF PAVEMENT	-----
TOP OF CUT	-----
TOE OF FILL	-----
GUARDRAIL	-----
WALL	-----
FENCE	-----
UNDERGROUND TELEPHONE	-----
UNDERGROUND TELEVISION	-----
UNDERGROUND FIBER OPTIC	-----
UNDERGROUND GAS	-----
UNDERGROUND SANITARY SEWER	-----
UNDERGROUND STORM PIPE	-----
UNDERGROUND WATERLINE	-----
UNDERGROUND ELECTRIC	-----
OVERHEAD ELECTRIC	-----

KEY MAP



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Index of Revisions

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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

LEGEND AND KEY MAP

GENERAL 3 of 3

Sheet Number 004

INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	DEER CREEK		MICROSCOPE		BASE CAMP		ROUNABOUT		TOTAL	
BOOK	PAGE	SHT				PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.
			201-00000	CLEARING AND GRUBBING	LS	1								1	
			202-00010	REMOVAL OF TREE	EA	16		9		2		4		31	
			202-00015	REMOVAL OF HEADWALL	EA	2								2	
			202-00027	REMOVAL OF RIPRAP	SY	248				108		2		358	
			202-00031	REMOVAL OF FIRE HYDRANT	EA	2						1		3	
			202-00035	REMOVAL OF PIPE	LF	352		65		70		25		512	
			202-00037	REMOVAL OF END SECTION	EA					2				2	
			202-00155	REMOVAL OF WALL (LANDSCAPE)	LF	70						15		85	
			202-00165	REMOVAL OF WALL (BOULDER)	LS	1								1	
			202-00201	REMOVAL OF CURB	LF	9								9	
			202-00203	REMOVAL OF CURB AND GUTTER	LF	142				220				362	
			202-00210	REMOVAL OF CONCRETE PAVEMENT	SY	179				47				226	
			202-00220	REMOVAL OF ASPHALT MAT	SY	4,661		2,002		2,760		2,093		11,516	
			202-00810	REMOVAL OF GROUND SIGN	EA	9								9	
			202-00821	REMOVAL OF SIGN PANEL	EA	10								10	
			202-00858	REMOVAL OF PEDESTAL POLE	EA							1		1	
			202-01000	REMOVAL OF FENCE	LF	180						177		357	
			202-04002	CLEAN CULVERT	EA	13								13	
			203-00010	UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE)	CY	2,290		1,420		770		1,010		5,490	
			203-01500	BLADING	HR	135								135	
			203-01597	POTHOLING	HR	200								200	
			203-01620	SWEEPING	HR	180								180	
			207-00700	TOPSOIL (ONSITE)	CY	1,420								1,420	
			208-00002	EROSION LOG TYPE 1 (12 INCH)	LF	4,533								4,533	
			208-00035	AGGREGATE BAG	LF	48		24				18		90	
			208-00045	CONCRETE WASHOUT STRUCTURE	EA	1						1		2	
			208-00070	VEHICLE TRACKING PAD	EA	1						1		2	
			208-00103	REMOVAL AND DISPOSAL OF SEDIMENT (LABOR)	HR	100								100	
			208-00105	REMOVAL AND DISPOSAL OF SEDIMENT (EQUIPMENT)	HR	77								77	
			208-00207	EROSION CONTROL MANAGEMENT	DAY	117								117	
			210-00010	RESET MAILBOX STRUCTURE	EA							1		1	
			210-00810	RESET GROUND SIGN	EA	1								1	
			210-00816	RESET SIGN PANEL (SPECIAL)	EA	2								2	
			210-01000	RESET FENCE	LF	31						34		65	
			210-01011	RESET GATE	EA							1		1	
			210-01720	RESET AIR VENT	EA	1								1	
			210-04010	ADJUST MANHOLE	EA	4		2				5		11	
			210-04015	MODIFY MANHOLE	EA	1								1	
			210-04050	ADJUST VALVE BOX	EA	10		1		6		8		25	
			212-00006	SEEDING (NATIVE)	AC	1.68								1.68	
			212-00009	SEEDING (TEMPORARY)	AC	1.76								1.76	
			212-00700	ORGANIC FERTILIZER	LB	528								528	

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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

SUMMARY OF
 APPROXIMATE QUANTITIES

SOAQ 1 of 3
 Sheet Number 005

INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	DEER CREEK		MICROSCOPE		BASE CAMP		ROUNDBOUT		TOTAL	
BOOK	PAGE	SHT				PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.
			212-00701	COMPOST (MECHANICALLY APPLIED)	CY	114								114	
			212-00703	HUMATE	LB	264								264	
			212-00704	MYCORRHIZAE	LB	15								15	
			212-00708	SEEDING (NATIVE) BROADCAST	AC	0.08								0.08	
			213-00003	MULCHING (WEED FREE)	AC	0.79								0.79	
			213-00061	MULCH TACKIFIER	LB	158								158	
			214-00230	DECIDUOUS TREE (3 INCH CALIPER)	EA	6		2				1		9	
			214-00410	EVERGREEN TREE (1 GALLON CONTAINER)	EA	7		2		4		3		16	
			216-00021	SOIL RETENTION BLANKET (CLASS 1)	SY	3,372								3,372	
			216-00303	TURF REINFORCEMENT MAT (CLASS 3)	SY	1,130								1,130	
			240-00000	WILDLIFE BIOLOGIST	HR	20								20	
			240-00010	REMOVAL OF NESTS	HR	20								20	
			240-00020	NETTING	SY	92								92	
			304-06000	AGGREGATE BASE COURSE (CLASS 6)	CY	1,918		509		595		617		3,639	
			403-33741	HOT MIX ASPHALT (GRADING S) (75) (PG 64-22)	TON	1,309		261		314		1,965		3,849	
			403-34751	HOT MIX ASPHALT (GRADING SX) (75) (PG 64-28)	TON	685		256		312		287		1,540	
			411-10255	EMULSIFIED ASPHALT (SLOW-SETTING)	GAL	1,470		345		422		389		2,626	
			412-00600	CONCRETE PAVEMENT (6 INCH)	SY	125				124		81		330	
			420-00112	GEOTEXTILE (DRAINAGE) (CLASS 1)	SY	144		49		17		15		225	
			504-08255	MASONRY LANDSCAPE WALL (DRY STACK)	SF	628								628	
			506-00030	GROUTED RIPRAP	CY	22		50		10				82	
			506-00212	RIPRAP (12INCH)	CY	82		23		8		6		119	
			507-00000	CONCRETE SLOPE AND DITCH PAVING	CY	6						1		7	
			601-01000	CONCRETE CLASS B	CY	2				1				3	
			601-03030	CONCRETE CLASS D (BOX CULVERT)	CY	47								47	
			602-00020	REINFORCING STEEL (EPOXY COATED)	LB	4,432								4,432	
			603-01185	18 INCH REINFORCED CONCRETE PIPE (COMPLETE IN PLACE)	LF	156						118		274	
			603-02185	23X14 INCH REINFORCED CONCRETE PIPE ELLIPTICAL (COMPLETE IN PLACE)	LF	43								43	
			603-02245	30X19 INCH REINFORCED CONCRETE PIPE ELLIPTICAL (COMPLETE IN PLACE)	LF	112		46		39				197	
			603-05018	18 INCH REINFORCED CONCRETE END SECTION	EA	2						1		3	
			603-05118	23X14 INCH REINFORCED CONCRETE END SECTION ELLIPTICAL	EA	2								2	
			603-05124	30X19 INCH REINFORCED CONCRETE END SECTION ELLIPTICAL	EA	2		2		2				6	
			603-61120	12 INCH FLEXIBLE PIPE	LF							90		90	
			603-71206	12X6 FOOT CONCRETE BOX CULVERT (PRECAST)	LF	57								57	
			604-00305	INLET TYPE C (5 FOOT)	EA	1						1		2	
			604-00310	INLET TYPE C (10 FOOT)	EA	1								1	
			606-00301	GUARDRAIL TYPE 3 (6-3 POST SPACING)	LF	100								100	
			606-01340	END ANCHORAGE TYPE 3D	EA	1								1	
			606-02005	END ANCHORAGE (FLARED)	EA	1								1	
			607-11525	FENCE (PLASTIC)	LF	525								525	
			607-52910	CORNER AND LINE BRACE POST (CHAIN LINK)	EA	3								3	
			607-53172	FENCE CHAIN LINK (72 INCH)	LF	158						175		333	

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 AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS

SUMMARY OF
 APPROXIMATE QUANTITIES

SDAQ 2 of 3

Sheet Number 006

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INDEX			CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	DEER CREEK		MICROSCOPE		BASE CAMP		ROUNDBOUT		TOTAL	
BOOK	PAGE	SHT				PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.	PLAN	AS CONST.
			607-60004	4 FOOT GATE WALK	EA	1								1	
			608-00000	CONCRETE SIDEWALK	SY							16		16	
			609-21010	EPC CURB AND GUTTER TYPE B	LF							399		399	
			609-21011	EPC CURB AND GUTTER TYPE E	LF							120		120	
			609-21020	EPC CURB AND GUTTER TYPE A	LF	721				385		562		1,668	
			609-21021	EPC CURB AND GUTTER TYPE D	LF							29		29	
			609-24002	GUTTER TYPE 2 (2 FOOT)	LF	37						17		54	
			609-24005	GUTTER TYPE 2 (5 FOOT)	LF	25								25	
			609-24006	GUTTER TYPE 2 (6 FOOT)	LF	163				80				243	
			609-40120	CURB (MEDIAN) (SPECIAL)	SY							20		20	
			609-60011	CURB TYPE 6 (SECTION M)	LF	11						49		60	
			613-00200	2 INCH ELECTRICAL CONDUIT (PVC)	LF							600		600	
			613-07002	TYPE TWO PULL BOX	EA							9		9	
			613-07003	TYPE THREE PULL BOX	EA							1		1	
			613-10000	WIRING	LS							1		1	
			613-13006	LUMINAIRE (LED) (6000 LUMENS)	EA							8		8	
			613-32250	LIGHT STANDARD STEEL (25 FOOT)	EA							8		8	
			613-40010	LIGHT STANDARD FOUNDATION	EA							8		8	
			613-50109	METER POWER PEDESTAL	EA							1		1	
			613-80274	STRUCTURE MOUNTED DISCONNECT SWITCH	EA							1		1	
			614-00011	SIGN PANEL (CLASS I)	SF	158								158	
			614-00012	SIGN PANEL (CLASS II)	SF	150								150	
			614-01503	STEEL SIGN SUPPORT (2-INCH ROUND)(POST AND SOCKET)	EA	26								26	
			614-01583	STEEL SIGN SUPPORT (2-1/2 INCH ROUND SCH 80)(POST & SLIPBASE)	EA	16								16	
			615-00030	EMBANKMENT PROTECTOR TYPE 3	EA							1		1	
			615-00050	EMBANKMENT PROTECTOR TYPE 5	EA	1								1	
			619-78048	6 INCH FIRE HYDRANT	EA	2						1		3	
			620-00001	FIELD OFFICE (CLASS 1)	EA	1								1	
			620-00011	FIELD LABORATORY (CLASS 1)	EA	1								1	
			625-00000	CONSTRUCTION SURVEYING	LS	1								1	
			626-00000	MOBILIZATION	LS	1								1	
			627-00008	HIGH BUILD WATERBORNE PAINT	GAL	37								37	
			627-30410	PREFORMED THERMOPLASTIC PAVEMENT MARKING (XWALK-STOPLINE)	SF	288								288	
			630-00007	TRAFFIC CONTROL INSPECTION	DAY	250								250	
			630-00012	TRAFFIC CONTROL MANAGEMENT	DAY	100								100	
			630-10005	TEMPORARY TRAFFIC CONTROL DEVICES	LS	1								1	
			630-80355	PORTABLE MESSAGE SIGN PANEL	EA	5								5	
			700-70010	F/A MINOR CONTRACT REVISIONS	FA	1								1	
			700-70019	F/A ASPHALT CEMENT COST ADJUSTMENT	FA	1								1	
			700-70060	F/A ADJUST UTILITIES	FA	1								1	
			700-70380	F/A EROSION CONTROL	FA	1								1	

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Index of Revisions		
Date:	Comments	Init.

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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

SUMMARY OF APPROXIMATE QUANTITIES

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TABULATION OF REMOVALS

HCL	202-00010		202-00015		202-00027		202-00035*		202-00037		202-00155		202-00165		202-00201		202-00203		202-00210		202-00220		202-00858		202-01000		210-00010		210-01000		210-01011		
	REMOVAL OF TREE		REMOVAL OF HEADWALL		REMOVAL OF RIPRAP		REMOVAL OF PIPE		REMOVAL OF END SECTION		REMOVAL OF WALL (LANDSCAPE)		REMOVAL OF WALL (BOULDER)		REMOVAL OF CURB		REMOVAL OF CURB AND GUTTER		REMOVAL OF CONCRETE PAVEMENT		REMOVAL OF ASPHALT MAT		REMOVAL OF PEDESTAL POLE		REMOVAL OF FENCE		RESET MAILBOX STRUCTURE		RESET FENCE		RESET GATE		
	EA		EA		SY		LF		EA		LF		LS		LF		LF		SY		SY		EA		LF		EA		LF		EA		
	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN
DEER CREEK	16		2		248		327		0		70		1		9		142		179		4,661		0		180		0		31		0		
MICROSCOPE	9		0		0		40		0		0		0		0		0		0		2,002		0		0		0		0		0		
BASE CAMP	2		0		108		45		2		0		0		0		220		47		2,760		0		0		0		0		0		
ROUNDAABOUT	4		0		2		0		0		15		0		0		0		0		2,093		1		177		1		34		1		
PROJECT TOTAL	31		2		358		412		2		85		1		9		362		226		11,516		1		357		1		65		1		

*SEE TABULATION OF UTILITIES FOR ADDITIONAL REMOVAL OF PIPE QUANTITY.

TABULATION OF UTILITIES

HCL	202-00031		202-00035*		210-01720		210-04010		210-04050		619-78048	
	REMOVAL OF FIRE HYDRANT		REMOVAL OF PIPE		RESET AIR VENT		ADJUST MANHOLE		ADJUST VALVE BOX		6 INCH FIRE HYDRANT	
	EA		LF		EA		EA		EA		EA	
	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC
DEER CREEK	2		25		1		4		10		2	
MICROSCOPE	0		25		0		2		1		0	
BASE CAMP	0		25		0		0		6		0	
ROUNDAABOUT	1		25		0		5		8		1	
PROJECT TOTAL	3		100		1		11		25		3	

*SEE TABULATION OF REMOVALS FOR ADDITIONAL REMOVAL OF PIPE QUANTITY.



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Index of Revisions

Date:	Comments	Init.

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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

TABULATION OF QUANTITIES

TABS 1 of 4


Sheet Number 008

SUMMARY OF EARTHWORK QUANTITIES

<u>PAY QUANTITY</u>		<u>CUBIC YARDS</u>	
		PLAN	AS CONST
UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE) (203-00010)			
DEER CREEK		2,290	
MICROSCOPE		1,420	
BASE CAMP		770	
ROUNDBOUT		1,010	
TOTAL	PAY QUANTITY	5,490	
<u>FOR INFORMATION ONLY</u>		<u>CUBIC YARDS</u>	
		PLAN	AS CONST
EMBANKMENT MATERIAL			
DEER CREEK		1,410	
MICROSCOPE		80	
BASE CAMP		50	
ROUNDBOUT		180	
TOTAL		1,720	
<u>FOR INFORMATION ONLY - EARTHWORK QUANTITIES BALANCE</u>		<u>CUBIC YARDS</u>	
		PLAN	AS CONST
MATERIAL AVAILABLE FROM EXCAVATION (CUT)			
TOTAL UNCLASSIFIED EXCAVATION		5,490	
SUBTOTAL OF EXCAVATION AVAILABLE FOR PROJECT EMBANKMENT MATERIAL		5,490	
MATERIAL NEEDED FOR EMBANKMENT (FILL)			
TOTAL EMBANKMENT		1,720	
COMPACTION FACTOR (1.2) ADJUSTMENT (AASHTO T-99)		344	
SUBTOTAL OF FILL NEEDED FOR COMPLETE IN PLACE EMBANKMENT MATERIAL		2,064	
BALANCE			
TOTAL MATERIAL NEEDED TO EXPORT		3,426	
TOTAL MATERIAL FROM EXCAVATION LESS TOTAL MATERIAL FOR EMBANKMENT			
NOTES:			
1. REMOVAL OF EXISTING TOPSOIL IS PAID FOR AS CLEARING AND GRUBBING.			
2. EXISTING ASPHALT IS INCLUDED IN THE EXCAVATION TOTAL.			
3. THIS VALUE DOES NOT INCLUDE ITEMS PAID FOR SEPARATELY I.E. BASECOURSE, HARDSCAPE, TOPSOIL, ECT.			



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Computer File Information		Index of Revisions		El Paso County Department of Public Works 3275 Akers Dr Phone: 719-520-6460 Fax: 719-520-6879		AECOM 2315 Briargate Pkwy #150 Colorado Springs, CO 80920 Phone: 719-531-0001 Fax: 719-531-0007 AECOM #60673398	DEER CREEK ROAD INTERSECTION IMPROVEMENTS			
Print Date: 2/9/2026	<input type="checkbox"/>	Date:	Comments				Init.	TABULATION OF QUANTITIES	TABS	2 of 4
File Name: TABS_02.dgn	<input type="checkbox"/>								Sheet Number	009
Last Modification Date: 2/9/2026	<input type="checkbox"/>									
Designer: PDC Detailer: JJB Checker: WRS	<input type="checkbox"/>									
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TABULATION OF ROADWAY (1 OF 2)																								
HCL	214-00230		214-00410		304-06000		403-33741		403-34751		411-10255		412-00600		507-00000		606-00301		606-01340		606-02005		607-52910	
	DECIDUOUS TREE (3 INCH CALIPER)		EVERGREEN TREE (1 GALLON CONTAINER)		AGGREGATE BASE COURSE (CLASS 6)		HOT MIX ASPHALT (GRADING S) (75) (PG 64-22)		HOT MIX ASPHALT (GRADING SX) (75) (PG 64-28)		EMULSIFIED ASPHALT (SLOW-SETTING)		CONCRETE PAVEMENT (6 INCH)		CONCRETE SLOPE AND DITCH PAVING		GUARDRAIL TYPE 3 (6-3 POST SPACING)		END ANCHORAGE TYPE 3D		END ANCHORAGE (FLARED)		CORNER AND LINE BRACE POST (CHAIN LINK)	
	EA		EA		CY		TON		TON		GAL		SY		CY		LF		EA		EA		EA	
	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC
DEER CREEK	6		7		1,918		1,309		685		1,470		125		6		100		1		1		3	
MICROSCOPE	2		2		509		261		256		345		0		0		0		0		0		0	
BASE CAMP	0		4		595		314		312		422		124		0		0		0		0		0	
ROUNDAABOUT	1		3		617		1,965		287		389		81		1		0		0		0		0	
PROJECT TOTAL	9		16		3,639		3,849		1,540		2,626		330		7		100		1		1		3	

TABULATION OF ROADWAY (2 OF 2)																								
HCL	607-53172		607-60004		608-00000		609-21010		609-21011		609-21020		609-21021		609-24002		609-24005		609-24006		609-40120		609-60011	
	FENCE CHAIN LINK (72 INCH)		4 FOOT GATE WALK		CONCRETE SIDEWALK		EPC CURB AND GUTTER TYPE B		EPC CURB AND GUTTER TYPE E		EPC CURB AND GUTTER TYPE A		EPC CURB AND GUTTER TYPE D		GUTTER TYPE 2 (2 FOOT)		GUTTER TYPE 2 (5 FOOT)		GUTTER TYPE 2 (6 FOOT)		CURB (MEDIAN) (SPECIAL)		CURB TYPE 6 (SECTION M)	
	LF		EA		SY		LF		LF		LF		LF		LF		LF		LF		SY		LF	
	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC
DEER CREEK	158		1		0		0		0		721		0		37		25		163		0		11	
MICROSCOPE	0		0		0		0		0		0		0		0		0		0		0		0	
BASE CAMP	0		0		0		0		0		385		0		0		0		80		0		0	
ROUNDAABOUT	175		0		16		399		120		562		29		17		0		0		20		49	
PROJECT TOTAL	333		1		16		399		120		1,668		29		54		25		243		20		60	



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Index of Revisions		
Date:	Comments	Init.

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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
TABULATION OF QUANTITIES	TABS 3 of 4
	Sheet Number 010


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TABULATION OF DRAINAGE (1 OF 2)																								
HCL	210-04015		420-00112		506-00030		506-00212		601-01000		601-03030		602-00020		603-01185		603-02185		603-02245		603-05018		603-05118	
	MODIFY MANHOLE		GEOTEXTILE (DRAINAGE) (CLASS 1)		GROUTED RIPRAP		RIPRAP (12INCH)		CONCRETE CLASS B		CONCRETE CLASS D (BOX CULVERT)		REINFORCING STEEL (EPOXY COATED)		18 INCH REINFORCED CONCRETE PIPE (COMPLETE IN PLACE)		23X14 INCH REINFORCED CONCRETE PIPE ELLIPTICAL (COMPLETE IN PLACE)		30X19 INCH REINFORCED CONCRETE PIPE ELLIPTICAL (COMPLETE IN PLACE)		18 INCH REINFORCED CONCRETE END SECTION		23X14 INCH REINFORCED CONCRETE END SECTION ELLIPTICAL	
	EA		SY		CY		CY		CY		CY		LB		LF		LF		LF		EA		EA	
	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC
DEER CREEK	1		144		22		82		2		47		4432		156		43		112		2		2	
MICROSCOPE	0		49		50		23		0		0		0		0		0		46		0		0	
BASE CAMP	0		17		10		8		1		0		0		0		0		39		0		0	
ROUNDAABOUT	0		15		0		6		0		0		0		118		0		0		1		0	
PROJECT TOTAL	1		225		82		119		3		47		4,432		274		43		197		3		2	

TABULATION OF DRAINAGE (2 OF 2)														
HCL	603-05124		603-61120		603-71206		604-00305		604-00310		615-00030		615-00050	
	30X19 INCH REINFORCED CONCRETE END SECTION ELLIPTICAL		12 INCH FLEXIBLE PIPE		12X6 FOOT CONCRETE BOX CULVERT (PRECAST)		INLET TYPE C (5 FOOT)		INLET TYPE C (10 FOOT)		EMBANKMENT PROTECTOR TYPE 3		EMBANKMENT PROTECTOR TYPE 5	
	EA		LF		LF		EA		EA		EA		EA	
	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC
DEER CREEK	2		0		57		1		1		0		1	
MICROSCOPE	2		0		0		0		0		0		0	
BASE CAMP	2		0		0		0		0		0		0	
ROUNDAABOUT	0		90		0		1		0		1		0	
PROJECT TOTAL	6		90		57		2		1		1		1	

NOTES:
 1. LINE 416 HEADWALL SHALL BE CONSTRUCTED PER CDDT M-601-12. HEADWALL SHALL BE PAID FOR AS CONCRETE CLASS B. REINFORCING SHALL BE INCLUDED IN THE COST OF CONCRETE.



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Date:	Comments	Init.																						

EL PASO COUNTY

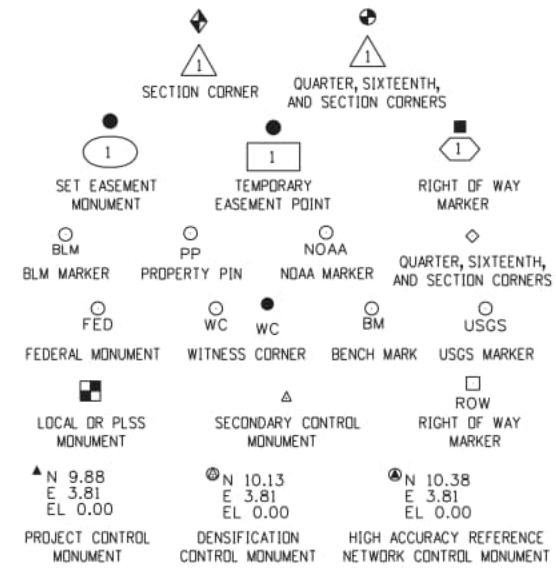
STATE OF COLORADO

SHEET NO.	INDEX OF SHEETS
3.01	(1) Title Sheet
3.02	(1) Coordinate Tables
3.03-3.04	(2) Plan Sheet
	(4) Total Sheets

PROJECT CONTROL DIAGRAM

DEER CREEK ROAD INTERSECTION IMPROVEMENTS

Section 11
Township 11 South, Range 67 West
of the 6th Principal Meridian
El Paso County



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.

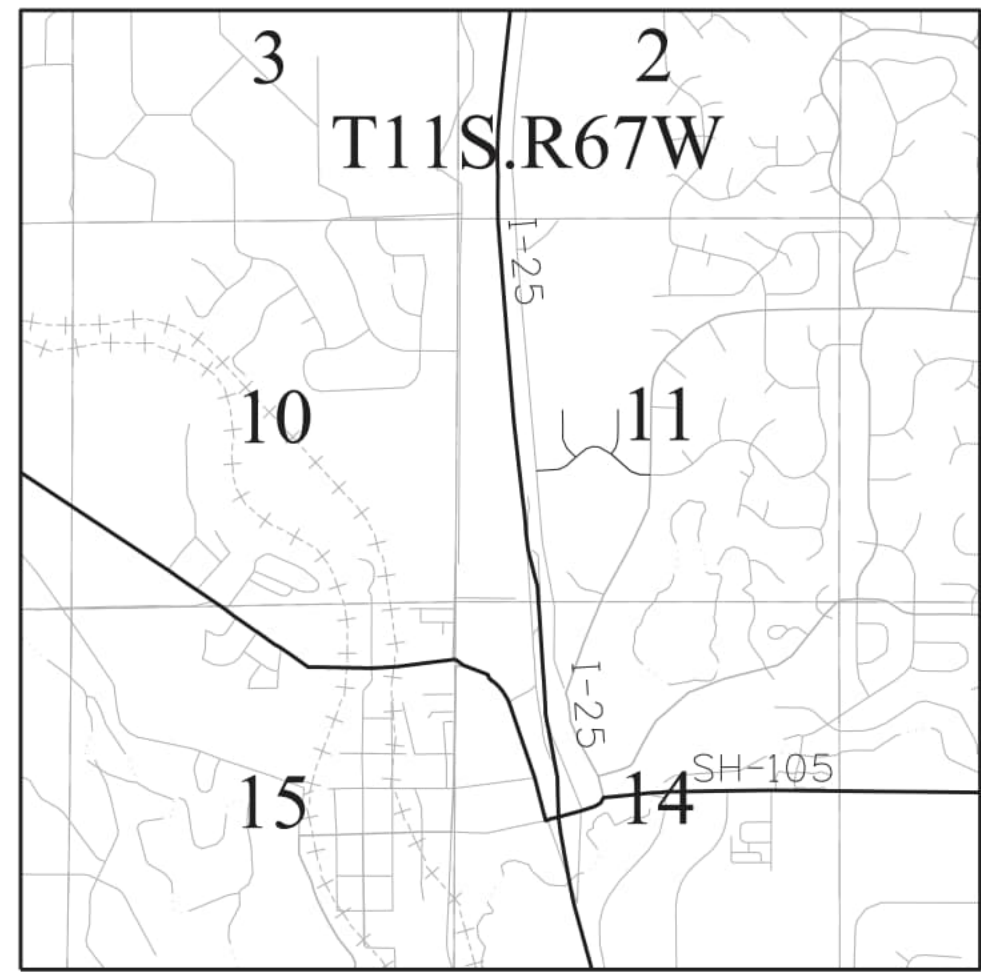


Typical Control Monument Cap
Not to Scale

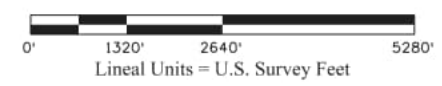
▲ CM-MP - Control Point Monuments set by CDDT. They are CDDT Type 2 monuments, a 3/4" dia. aluminum control monument cap (as shown) on a 3' x 3/4" dia. aluminum security rod on a 3' x 3/4" dia. smooth aluminum rod.

General Notes:

- This Project Control Diagram is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation purposes only.
- This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with 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.
- 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.



PROJECT LOCATION MAP



Basis of Bearings: Bearings used in the calculations of coordinates are based on a grid bearing of S12°18'40"W from V 395, a 5/8" Stainless Steel Rod in a NGS Logo monument box Stamped "V 395 1983". to CP 105, a 2.5" Aluminum Cap on a #6 Rebar stamped "AECOM CP105". 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 V 395 2019, PID: KK1315, a standard Stainless Steel Rod in a Monument Box, with a NAVD 88 elevation of 7346.567ft. V 395 is a First order benchmark.

COORDINATE DATUM: Project coordinates are modified Colorado State Plane Central Zone NAD '83/(2011) coordinates. The combined elevation/scale factor used to modify the coordinates from state plane to project coordinates is 1.0004065325. The resulting project coordinates are truncated by 1,000,000ft in the Northing and 3,000,000ft in the Easting after converting from state plane coordinates to project coordinates. The CHARN is based on the NAD '83(2011) datum.

Project Coordinates Northing US Survey Feet = (State Plane Coordinate Northing * 1.0004065325 - 1,000,000).
Project Coordinates Easting US Survey Feet = (State Plane Coordinate Easting * 1.0004065325 - 3,000,000).

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.

<p style="text-align: center;">SURVEYOR STATEMENT (PROJECT CONTROL DIAGRAM)</p> <p><i>I, Stan Vermilyea, a professional land surveyor licensed in the State of Colorado, do hereby state to El Paso County this 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.</i></p> <p style="text-align: right;">PLS No. 25381</p>	
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AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
Project Control Diagram Title Sheet	1 of 4 Sheet Number 012



CHARN GEODETIC COORDINATE SUMMARY TABLE

Point No.	Geodetic Coordinates NAD-83(2011) (CHARN)		Elip Height (NAVD88)(ft)	Ortho Height (ft)	Mapping Angle	Grid Scale Factor	NAD 83(2011) Zone Central		Description
	Latitude(N)	Longitude(W)					SP Northing(ft)	SP Easting(ft)	
V 395	39°07'28.12969"	104°51'51.03745"	7,293.015	7,346.567	0°24'03.6"	0.999587376	1,470,862.297	3,180,375.118	Found NGS Stainless Steel Rod in monument box stamped V 395 1983



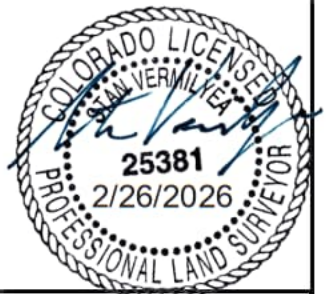
GEODETIC COORDINATE TABLE

Point No.	Geodetic Coordinates NAD-83(2011) (CHARN)		Elip Height (NAVD88)(FT)	Ortho Height (FT)	Mapping Angle	Grid Scale Factor	NAD 83(2011) Zone Central		Description
	Latitude(N)	Longitude(W)					SP Northing(ft)	SP Easting(ft)	
CP 18	39°07'30.16405"	104°51'51.34601"	7289.573	7,343.124	0°24'03.4"	0.999587544	1,471,067.936	3,180,349.364	Found 2" aluminum cap stamped CP-18 AECOM
CP 19	39°07'15.55687"	104°51'53.27370"	7299.471	7,353.000	0°24'02.2"	0.999587044	1,469,589.118	3,180,207.794	Found 2" aluminum cap stamped CP-19 AECOM
CP 100	39°06'18.40824"	104°51'50.30371"	7065.702	7,119.229	0°24'04.1"	0.999598156	1,463,809.249	3,180,482.321	Set 2.5" aluminum cap on #6 Rebar AECOM CP 100
CP 101	39°06'20.38886"	104°51'44.65162"	7080.755	7,134.319	0°24'07.7"	0.999597438	1,464,012.743	3,180,926.426	Set 2.5" aluminum cap on #6 Rebar AECOM CP 101
CP 102	39°06'25.13029"	104°51'46.65618"	7091.258	7,144.810	0°24'06.4"	0.999596938	1,464,491.306	3,180,765.059	Set 2.5" aluminum cap on #6 Rebar AECOM CP 102
CP 103	39°06'21.07132"	104°51'37.14922"	7087.574	7,141.186	0°24'12.4"	0.999597112	1,464,085.942	3,181,517.292	Set 2.5" aluminum cap on #6 Rebar AECOM CP 103
CP 104	39°06'25.01544"	104°51'36.15166"	7091.323	7,144.942	0°24'13.0"	0.999596935	1,464,485.507	3,181,593.110	Set 2.5" aluminum cap on #6 Rebar AECOM CP 104
CP 105	39°06'17.65752"	104°51'31.96046"	7092.174	7,145.818	0°24'15.7"	0.999596891	1,463,743.465	3,181,928.715	Set 2.5" aluminum cap on #6 Rebar AECOM CP 105
CP 224	39°06'54.65905"	104°51'55.33369"	7210.009	7,263.513	0°24'00.9"	0.999591289	1,467,473.830	3,180,060.226	Found #5 Rebar with 1" red plastic cap



PROJECT COORDINATE TABLE

Point No.	Project Coordinates		Elev(ft) (NAVD88)	Description
	Northing(ft)	Easting(ft)		
V395	471,460.250	181,668.044	7,346.567	Found NGS Stainless Steel Rod in monument box stamped V 395 1983
CP18	471,665.972	181,642.279	7,343.124	Found 2" aluminum cap stamped CP-18 AECOM
CP19	470,186.554	181,500.652	7,353.000	Found 2" aluminum cap Stamped CP-19 AECOM
CP 100	464,404.334	181,775.290	7,119.229	Set 2.5" aluminum cap on #6 Rebar AECCM CP 100
CP 101	464,607.911	182,219.576	7,134.319	Set 2.5" aluminum cap on #6 Rebar AECCM CP 101
CP 102	465,086.669	182,058.144	7,144.810	Set 2.5" aluminum cap on #6 Rebar AECCM CP 102
CP 103	464,681.140	182,810.682	7,141.186	Set 2.5" aluminum cap on #6 Rebar AECCM CP 103
CP 104	465,080.868	182,886.531	7,144.942	Set 2.5" aluminum cap on #6 Rebar AECCM CP 104
CP 105	464,338.524	183,222.273	7,145.818	Set 2.5" aluminum cap on #6 Rebar AECCM CP 105
CP 224	468,070.405	181,353.024	7,263.513	Found #5 Rebar with 1" red plastic cap



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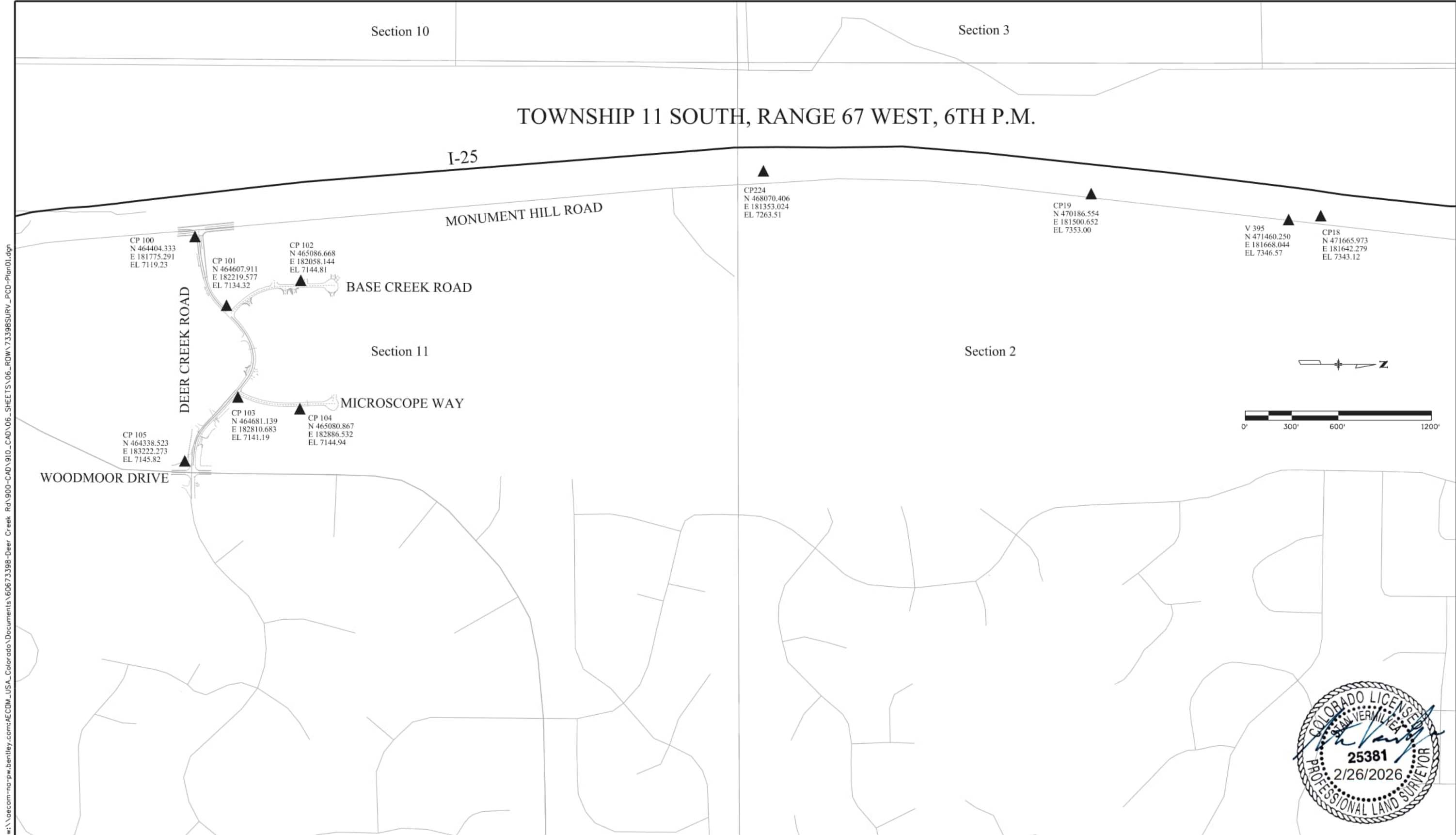


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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

Project Control Diagram
Monument Coordinate Tables

2 of 4
Sheet Number 013



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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
Project Control Diagram Plan Sheet	3 of 4
Sheet Number	014

TOWNSHIP 11 SOUTH, RANGE 67 WEST, 6TH P.M.

I-25

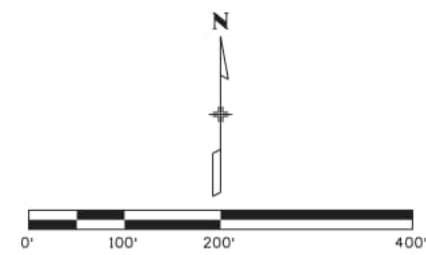
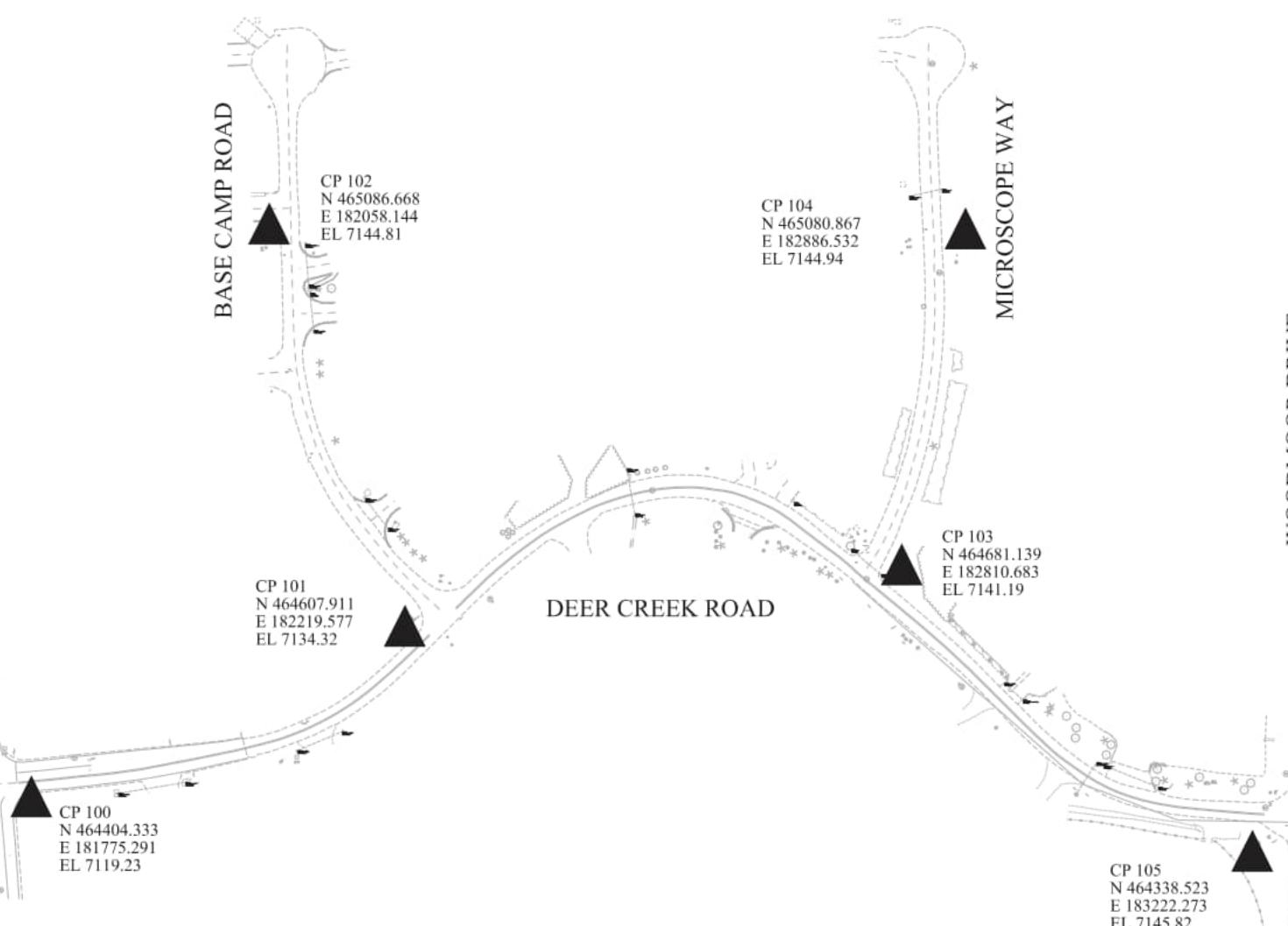
MONUMENT HILL ROAD

BASE CAMP ROAD

MICROSCOPE WAY

WOODMOOR DRIVE

DEER CREEK ROAD



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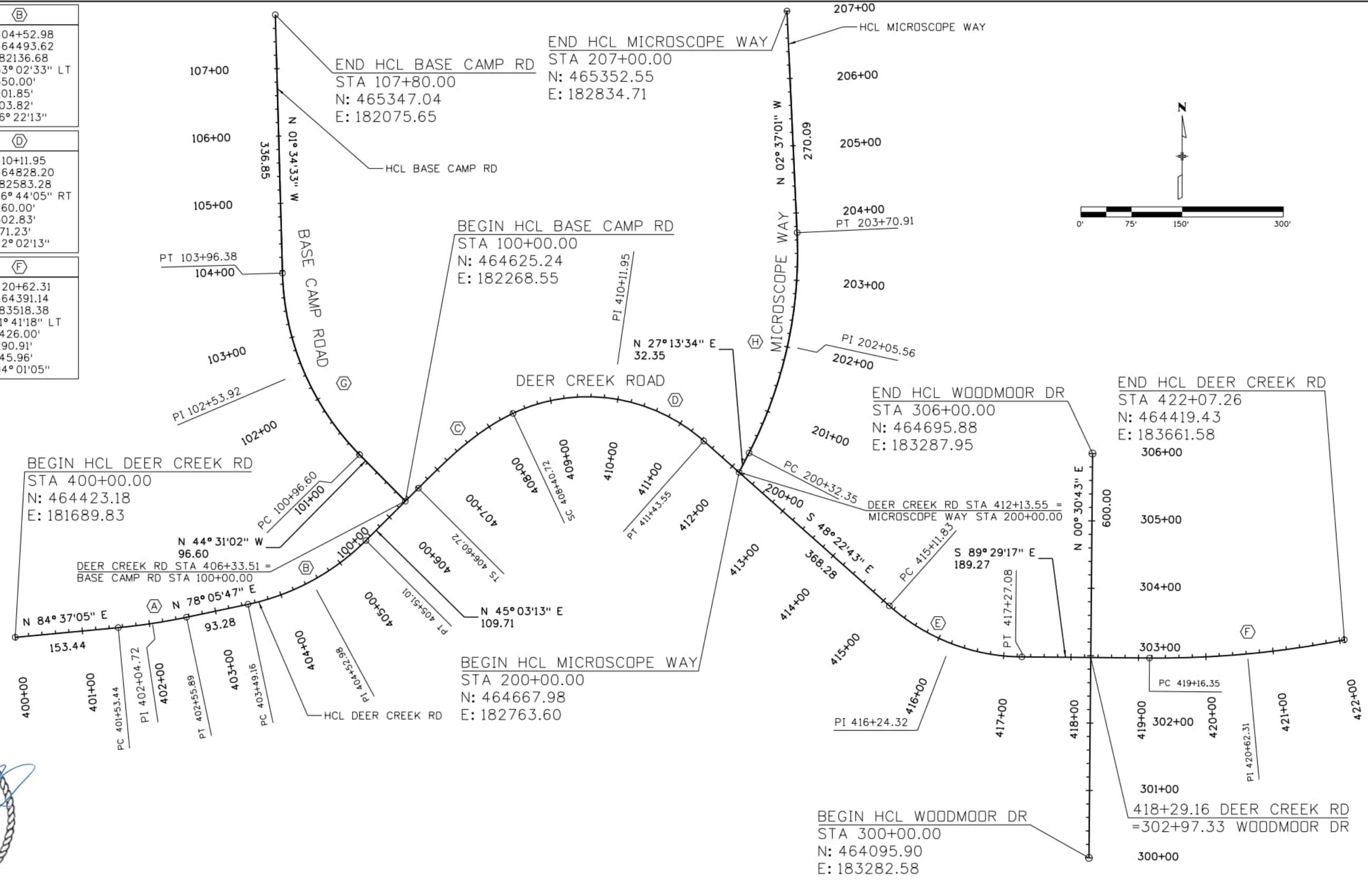
DEER CREEK ROAD INTERSECTION IMPROVEMENTS

Project Control Diagram
Plan Sheet

4 of 4
Sheet Number 015

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PI 402+04.72 N: 464442.39 E: 181893.65 Δ: 06° 31'18" LT R: 900.00' L: 102.44' T: 51.28' D: 06° 21'58"	PI 404+52.98 N: 464493.62 E: 182136.68 Δ: 33° 02'33" LT R: 350.00' L: 201.85' T: 103.82' D: 16° 22'13"
C	D
SPI: 407+81.48 N: 464729.77 E: 182373.28 e: 19° 49'59" RT LS: 180.00' LT: 120.76' ST: 60.69'	PI 410+11.95 N: 464828.20 E: 182583.28 Δ: 66° 44'05" RT R: 260.00' L: 302.83' T: 171.23' D: 22° 02'13"
E	F
PI 416+24.32 N: 464395.14 E: 183070.68 Δ: 41° 06'34" LT R: 300.00' L: 215.25' T: 112.49' D: 19° 05'55"	PI 420+62.31 N: 464391.14 E: 183518.38 Δ: 11° 41'18" LT R: 1426.00' L: 290.91' T: 145.96' D: 04° 01'05"

G
PI 102+53.92 N: 464806.30 E: 182090.52 Δ: 42° 56'29" RT R: 400.00' L: 299.79' T: 157.33' D: 14° 19'26"
H
PI 202+05.56 N: 464850.77 E: 182857.65 Δ: 29° 50'35" LT R: 650.00' L: 338.56' T: 173.21' D: 08° 48'53"



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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
GEOMETRIC LAYOUT	GEOMETRY 1 of 1
Sheet Number	016

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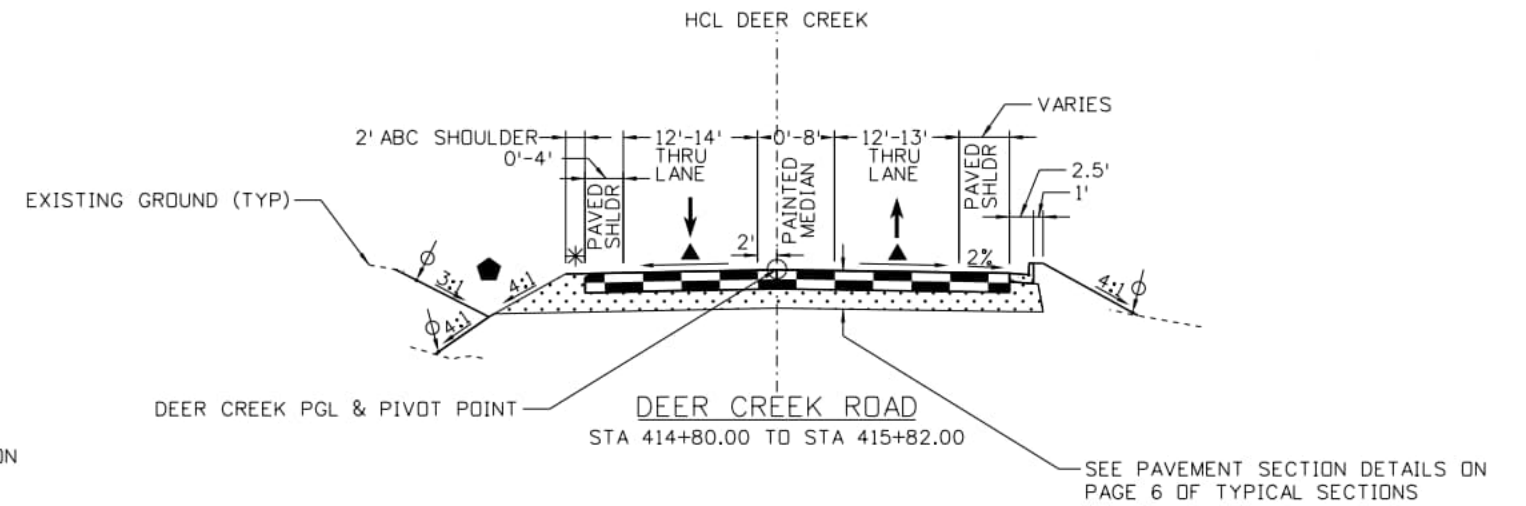
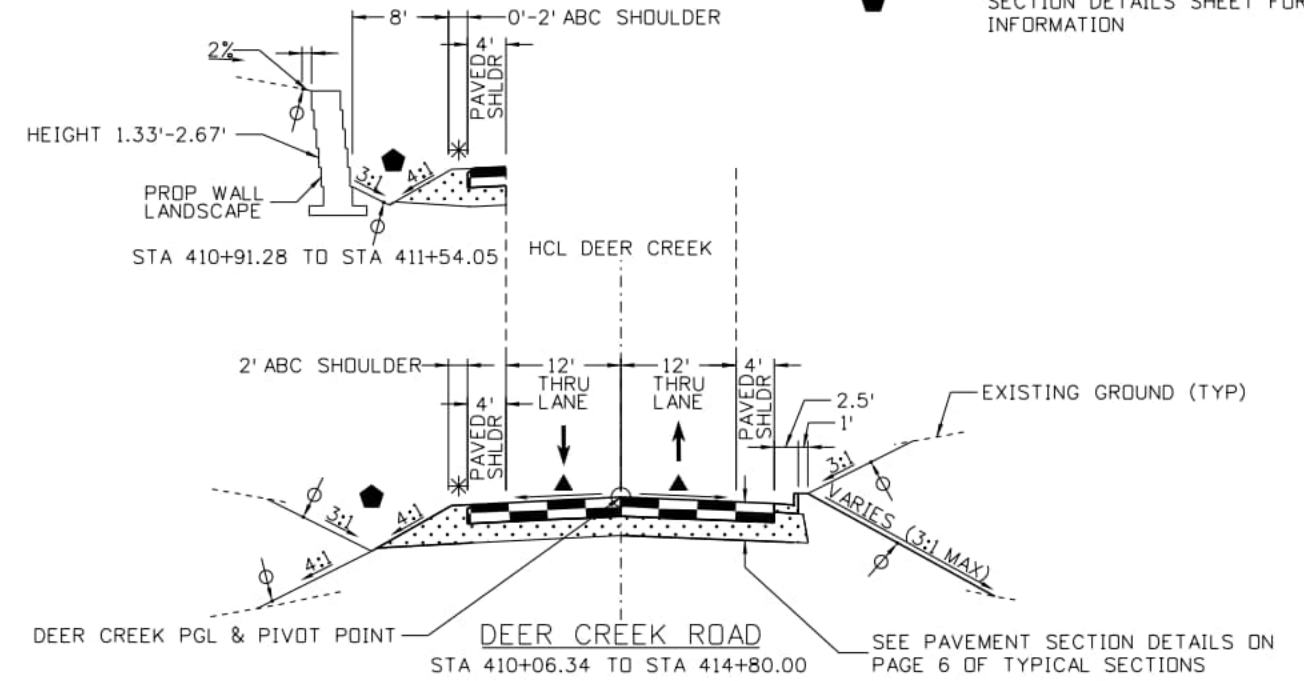
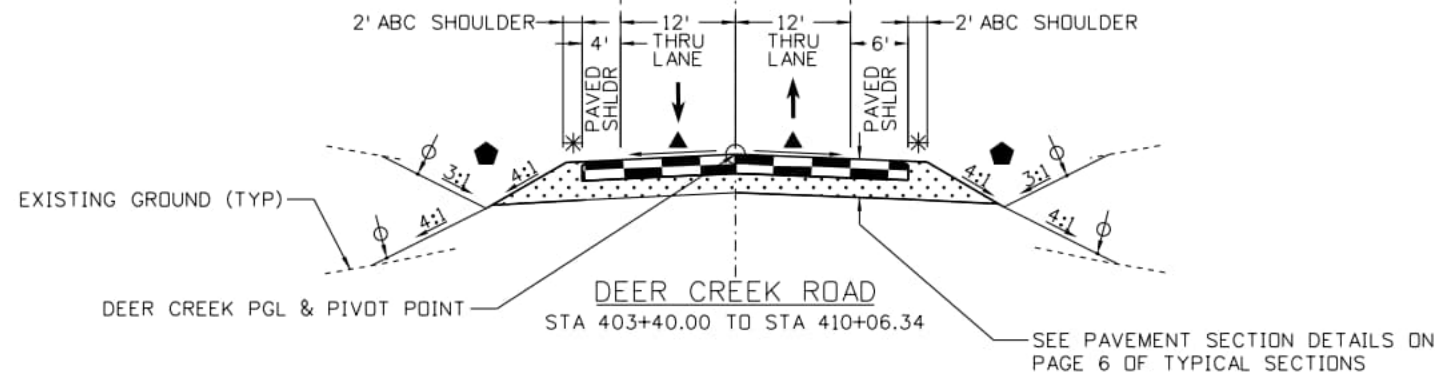
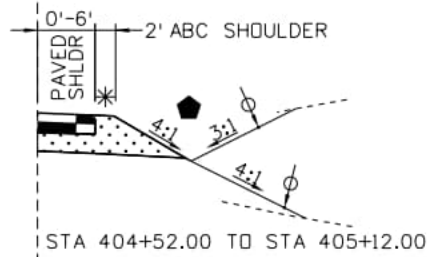
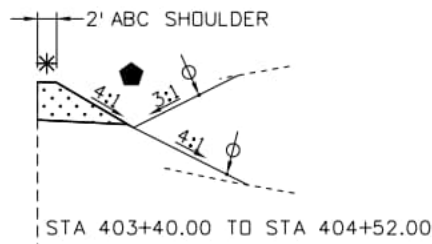
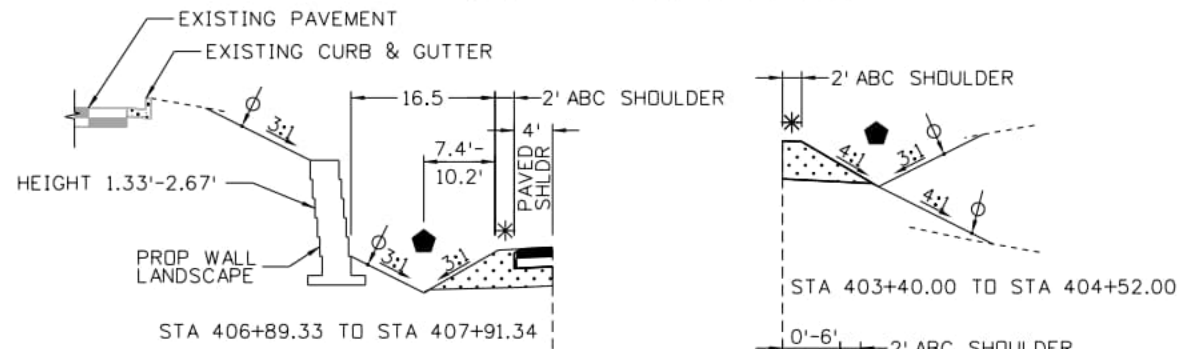
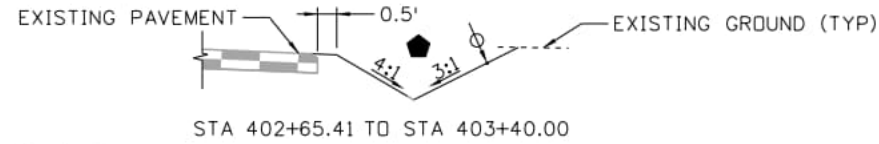


NOTES:

- SEE ROADWAY PLANS FOR ROADWAY DIMENSIONS AT INTERSECTIONS AND DRIVEWAYS.
- SEE ROADWAY PROFILES FOR SUPERELEVATION DIAGRAMS.

LEGEND:

- ABC
- 4" TOPSOIL
- SEE ROADWAY PROFILES FOR SUPERELEVATION INFORMATION
- SAFETY EDGE, SEE DETAIL ON PAVEMENT SECTION DETAILS SHEET
- DITCH, SEE TABLE ON PAVEMENT SECTION DETAILS SHEET FOR MORE INFORMATION



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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

TYPICAL SECTIONS
DEER CREEK ROAD

TYPICALS 1 of 6

Sheet Number **017**



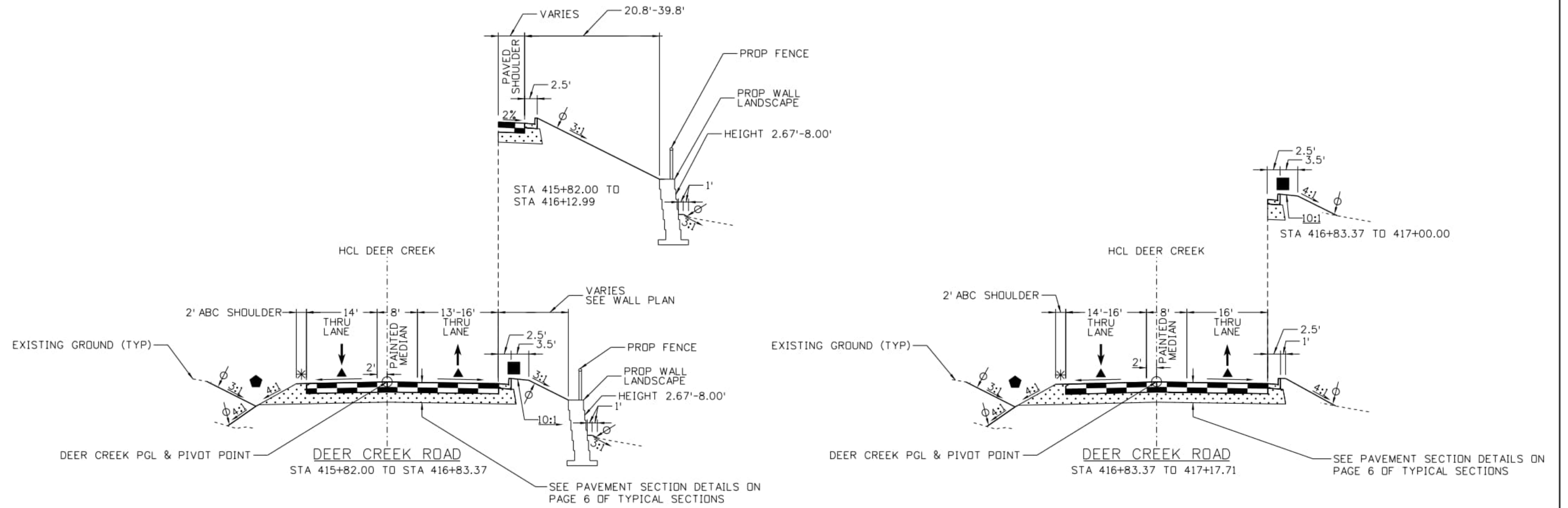
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1. SEE ROADWAY PLANS FOR ROADWAY DIMENSIONS AT INTERSECTIONS AND DRIVEWAYS.
2. SEE ROADWAY PROFILES FOR SUPERELEVATION DIAGRAMS.

LEGEND:

- ABC
- 4" TOPSOIL
- SEE ROADWAY PROFILES FOR SUPERELEVATION INFORMATION
- SAFETY EDGE, SEE DETAIL ON PAVEMENT SECTION DETAILS SHEET
- DITCH, SEE TABLE ON PAVEMENT SECTION DETAILS SHEET FOR MORE INFORMATION
- GUARDRAIL, SEE ROADWAY PLANS

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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
TYPICAL SECTIONS DEER CREEK ROAD	TYPICALS 2 of 6
	Sheet Number 018



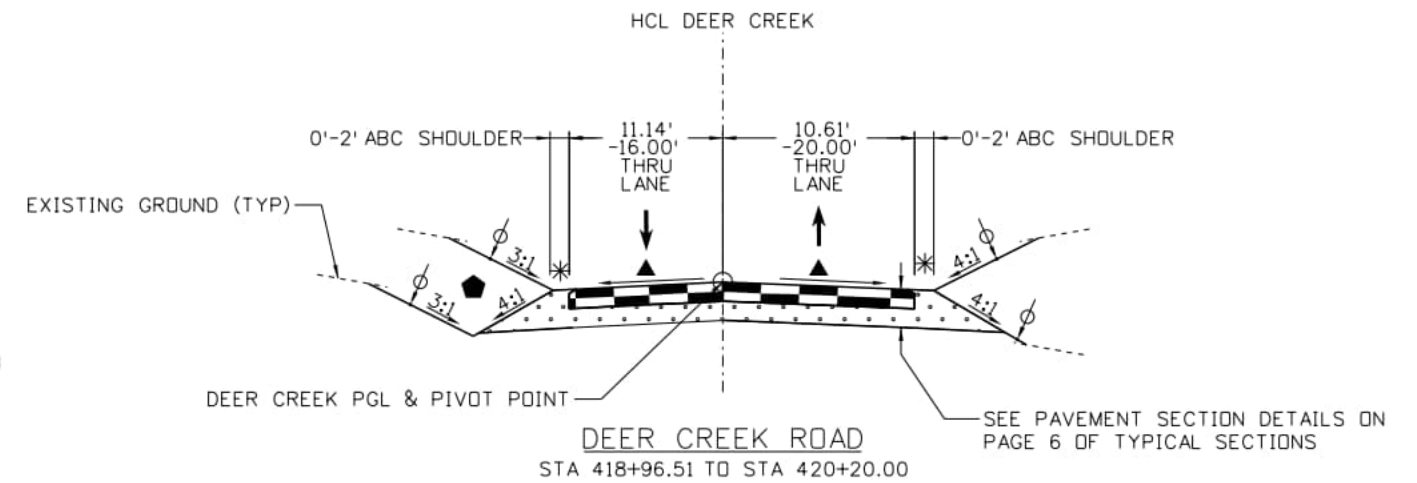
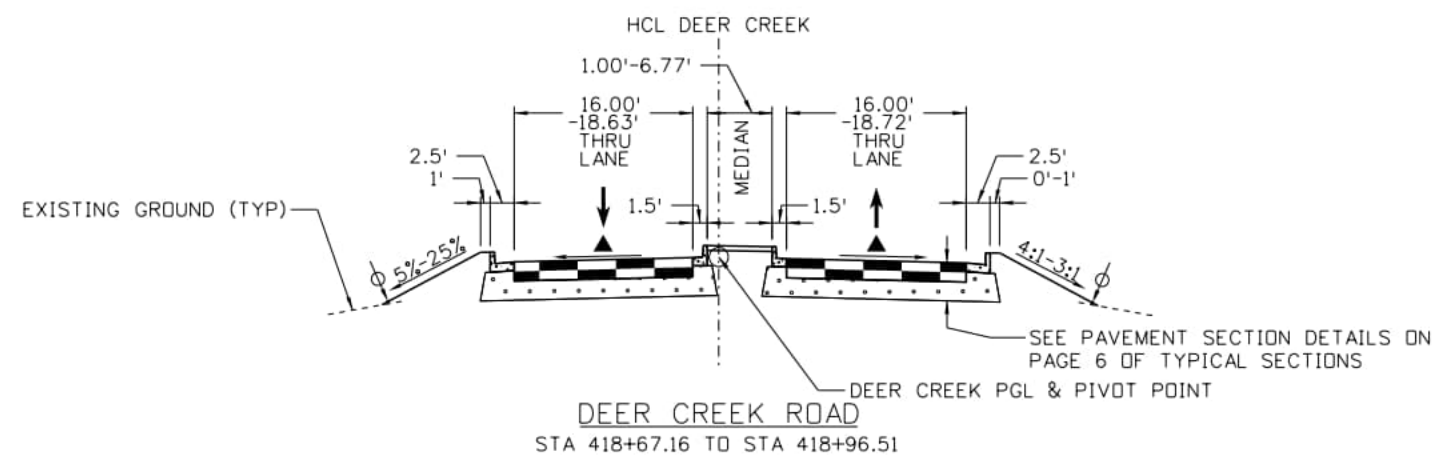
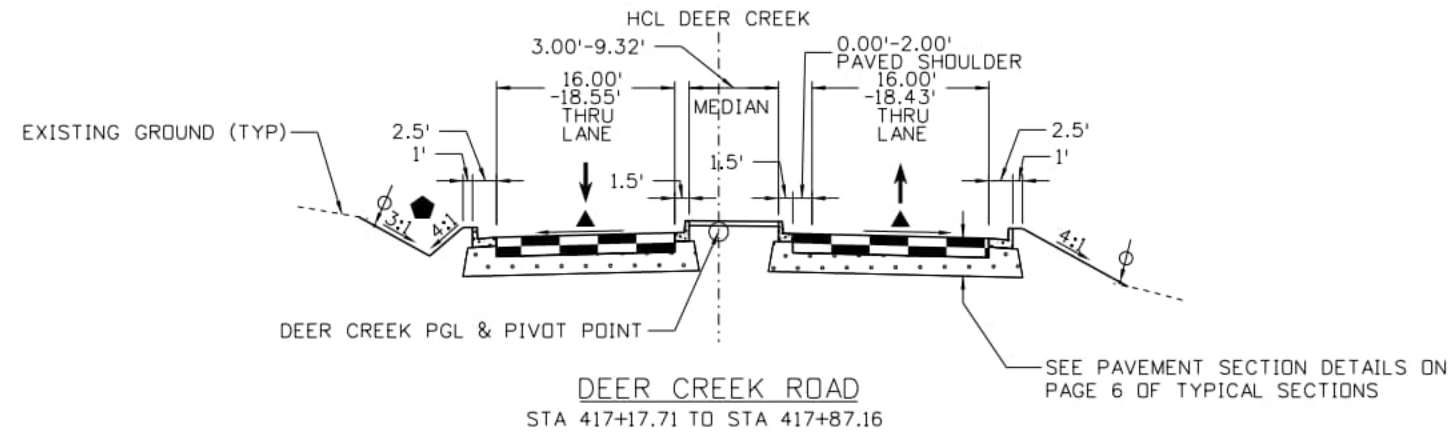
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- SEE ROADWAY PLANS FOR ROADWAY DIMENSIONS AT INTERSECTIONS AND DRIVEWAYS.
- SEE ROADWAY PROFILES FOR SUPERELEVATION DIAGRAMS.

LEGEND:

- ABC
- 4" TOPSOIL
- SEE ROADWAY PROFILES FOR SUPERELEVATION INFORMATION
- SAFETY EDGE, SEE DETAIL ON PAVEMENT SECTION DETAILS SHEET
- DITCH, SEE TABLE ON PAVEMENT SECTION DETAILS SHEET FOR MORE INFORMATION

DEER CREEK ROAD
 STA 417+87.16 TO STA 418+67.16
 SEE ROUNDABOUT TYPICAL SECTION
 ON PAGE 4 OF TYPICAL SECTIONS



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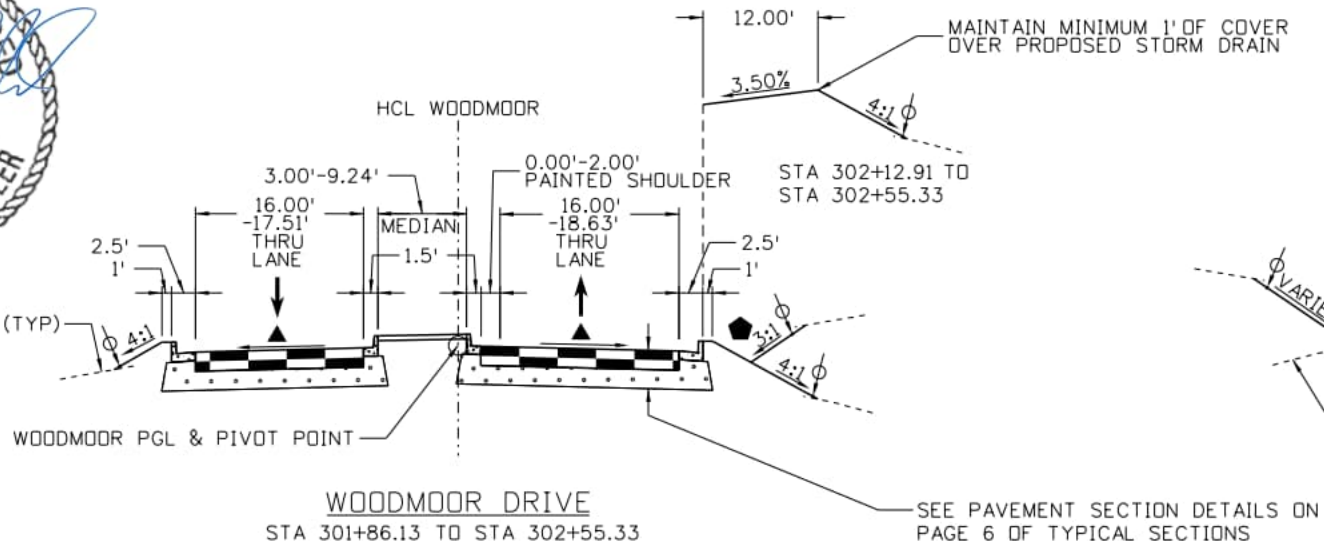
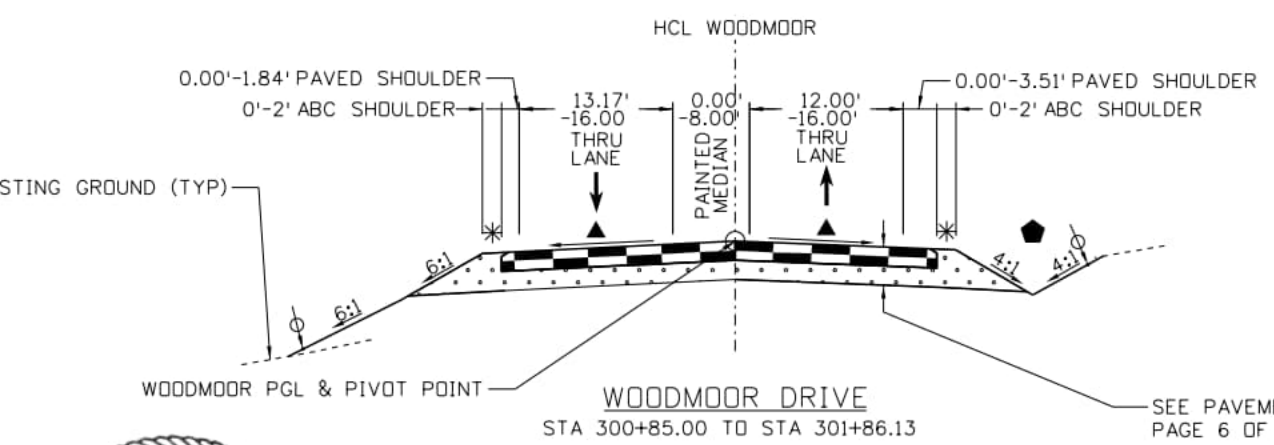
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 Fax: 719-520-6879



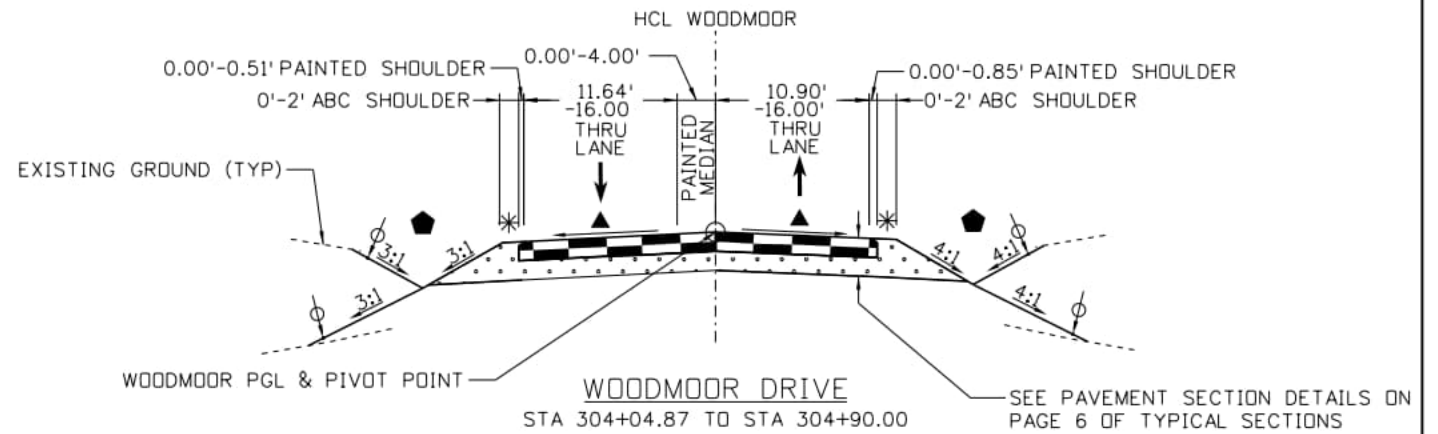
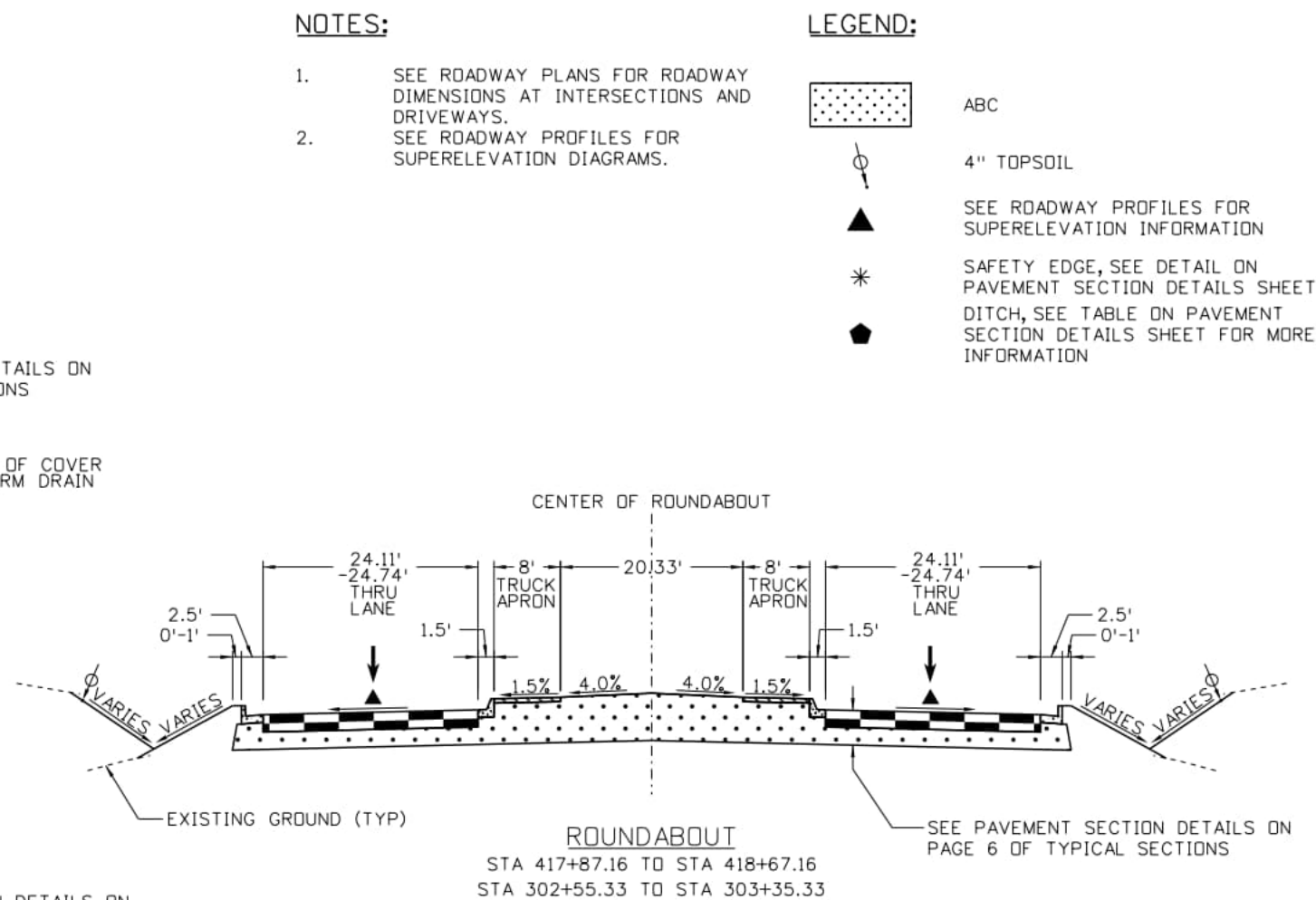
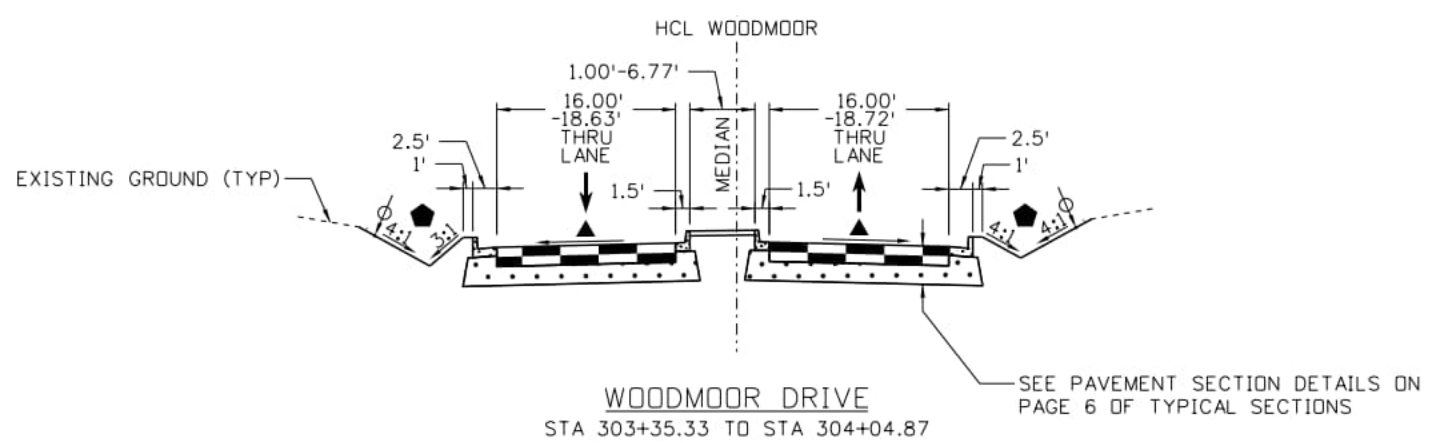
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
TYPICAL SECTIONS DEER CREEK ROAD	TYPICALS 3 of 6
	Sheet Number 019

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WOODMOOR DRIVE
STA 302+55.33 TO STA 303+35.33
SEE ROUNDABOUT TYPICAL SECTION



NOTES:

- SEE ROADWAY PLANS FOR ROADWAY DIMENSIONS AT INTERSECTIONS AND DRIVEWAYS.
- SEE ROADWAY PROFILES FOR SUPERELEVATION DIAGRAMS.

LEGEND:

- ABC
- 4" TOPSOIL
- SEE ROADWAY PROFILES FOR SUPERELEVATION INFORMATION
- SAFETY EDGE, SEE DETAIL ON PAVEMENT SECTION DETAILS SHEET
- DITCH, SEE TABLE ON PAVEMENT SECTION DETAILS SHEET FOR MORE INFORMATION

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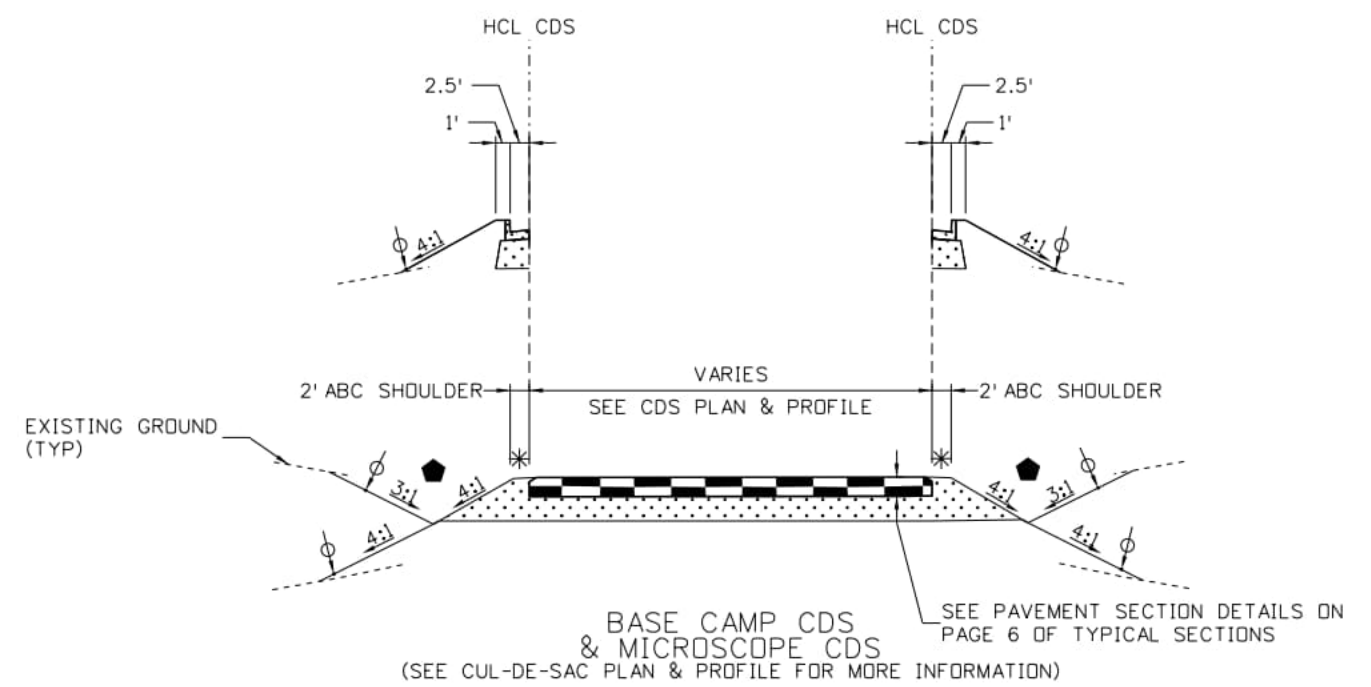
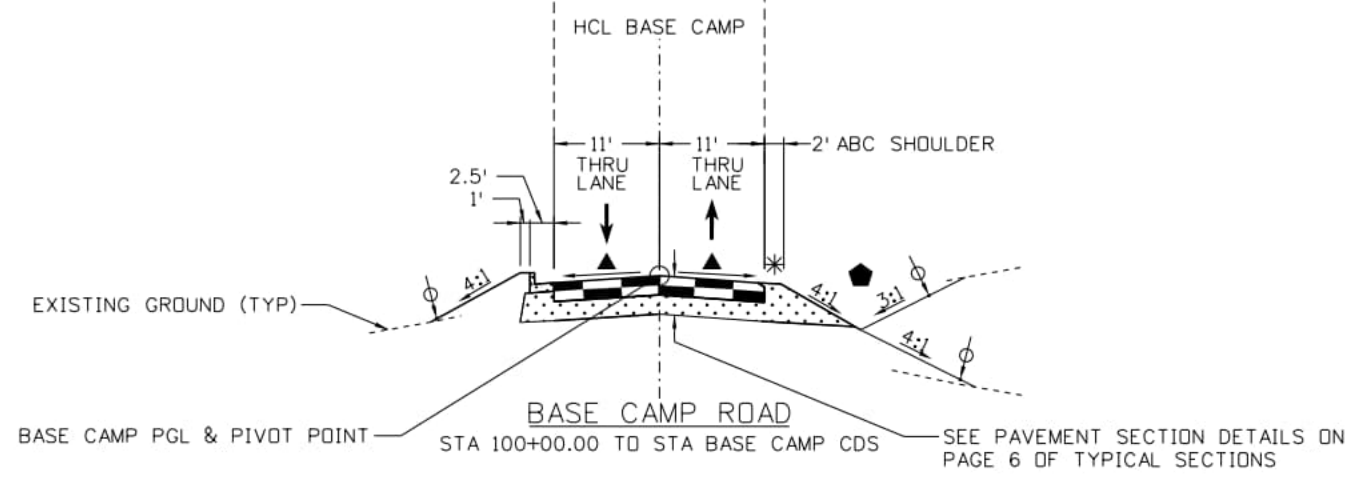
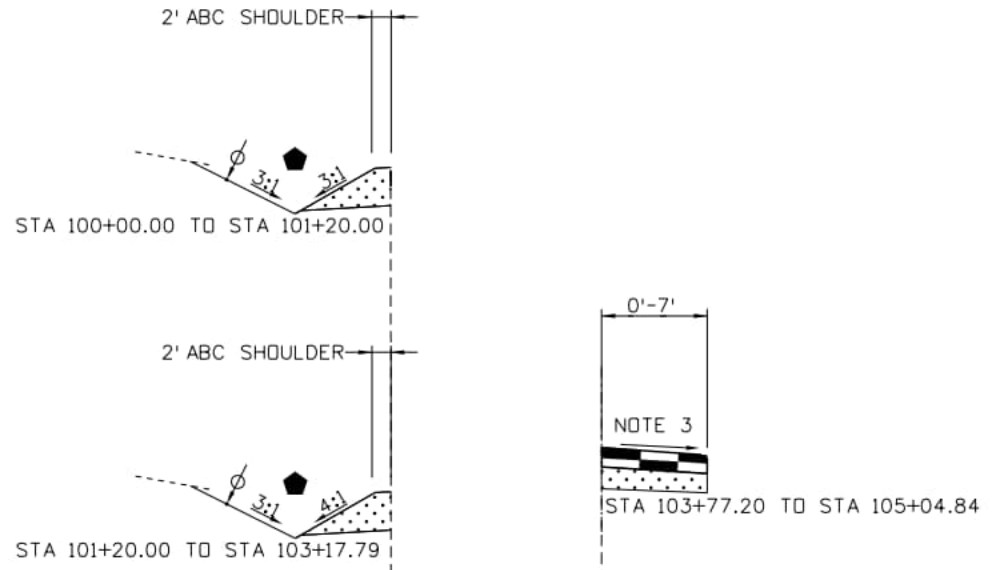
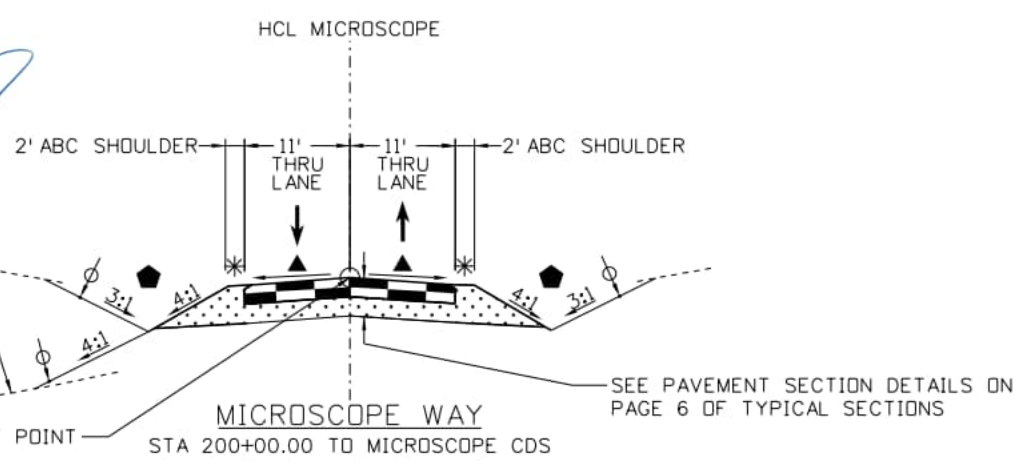
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
TYPICAL SECTIONS WOODMOOR DRIVE & ROUNDABOUT	TYPICALS 4 of 6 Sheet Number 020



- NOTES:**
1. SEE ROADWAY PLANS FOR ROADWAY DIMENSIONS AT INTERSECTIONS AND DRIVEWAYS.
 2. SEE ROADWAY PROFILES FOR SUPERELEVATION DIAGRAMS.
 3. WARP PAVEMENT TO MATCH DWY 104 A & B.

- LEGEND:**
- ABC
 - 4" TOPSOIL
 - SEE ROADWAY PROFILES FOR SUPERELEVATION INFORMATION
 - SAFETY EDGE, SEE DETAIL ON PAVEMENT SECTION DETAILS SHEET
 - DITCH, SEE TABLE ON PAVEMENT SECTION DETAILS SHEET FOR MORE INFORMATION

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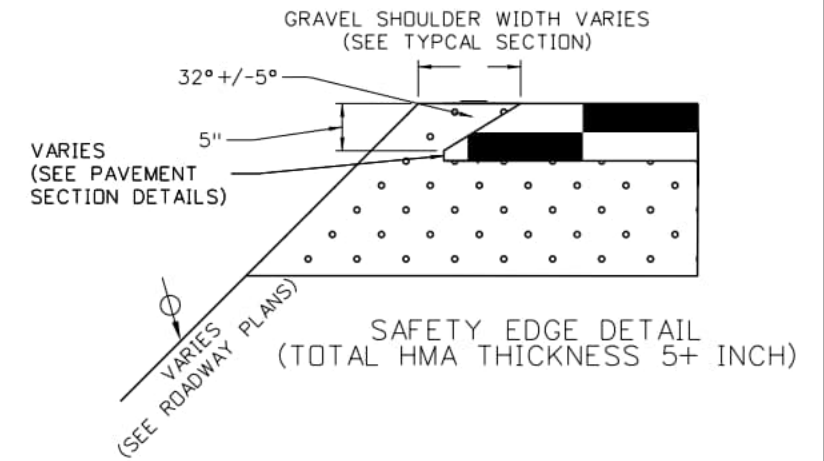
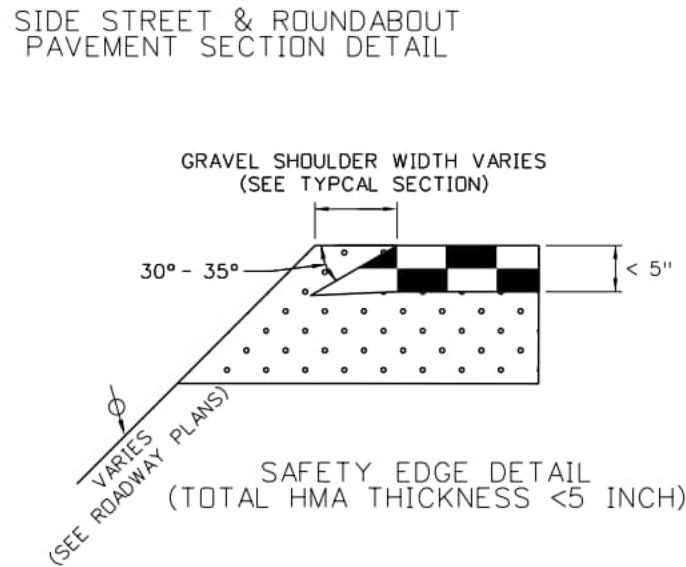
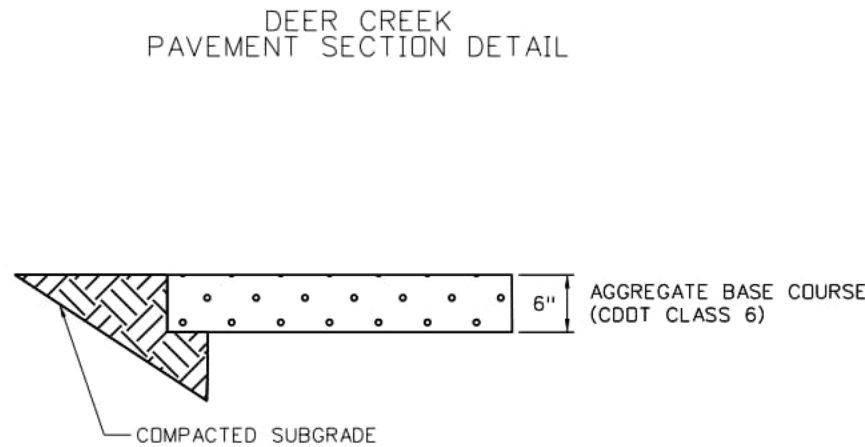
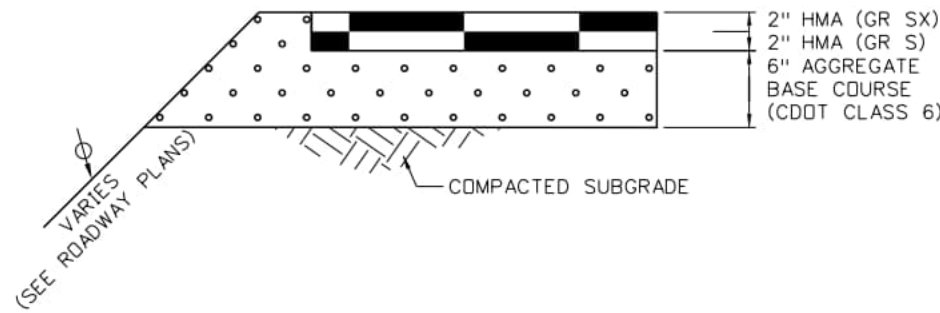
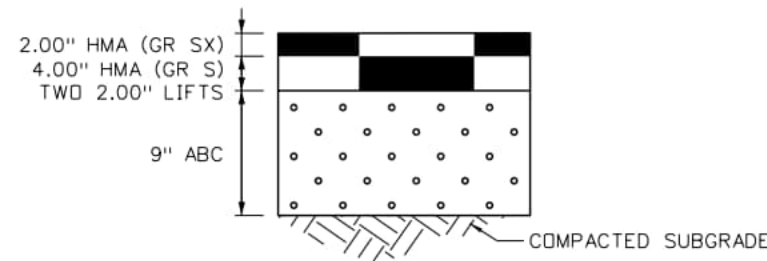
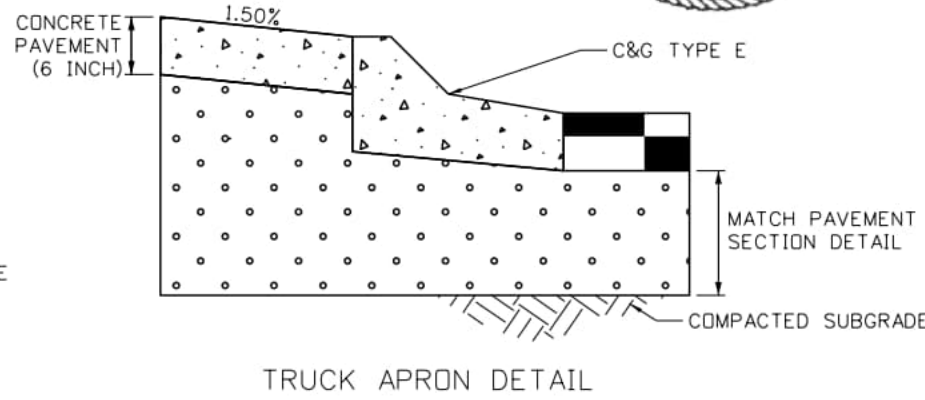
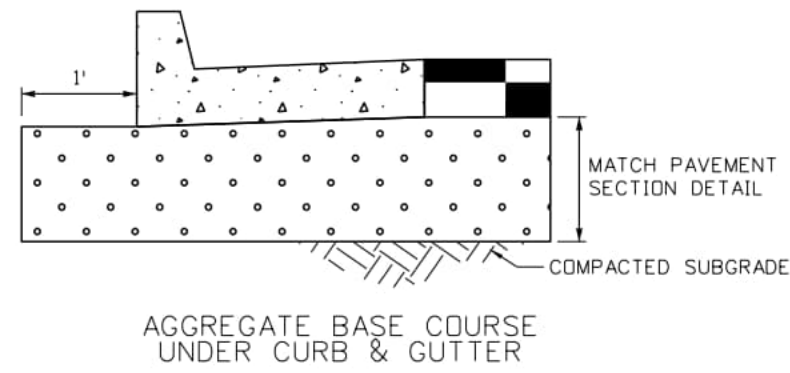


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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
TYPICAL SECTIONS	TYPICALS 5 of 6
BASE CAMP ROAD & MICROSCOPE WAY	Sheet Number 021

NOTES:

1. SEE FINAL REPORT GEOTECHNICAL ENGINEERING STUDY DEER CREEK ROAD, BASE CAMP ROAD, AND MICROSCOPE WAY STUDY PREPARED BY KUMAR DATED MARCH 31, 2020.
2. EXISTING PAVEMENT MAY BE ROUGH CUT INITIALLY IN CONJUNCTION WITH TRENCHING.
3. A SQUARE, VERTICAL CUT SHALL BE MADE IN THE EXISTING PAVEMENT AFTER PLACEMENT OF BACKFILL AND PRIOR TO PAVEMENT REPLACEMENT.



DITCH INFORMATION				
MINIMUM DEPTH (IN)	MINIMUM LONGITUDINAL SLOPE	HCL (SIDE)	START	END
10	.005 FT/FT	DEER CREEK (LT)	403+00.00	BASE CAMP
20	.005 FT/FT	DEER CREEK (LT)	BASE CAMP	DWY 410 LT
10	.035 FT/FT	DEER CREEK (LT)	DWY 410 LT	MICROSCOPE
8	.028 FT/FT	DEER CREEK (LT)	MICROSCOPE	DWY 414 LT
15	.017 FT/FT	DEER CREEK (LT)	DWY 414 LT	DWY 416
12	.045 FT/FT	DEER CREEK (LT)	DWY 416	WOODMOOR
10	.02 FT/FT	DEER CREEK (LT)	419+20	420+20
14	.012 FT/FT	DEER CREEK (RT)	402+60.00	DWY 404
6	.018 FT/FT	DEER CREEK (RT)	DWY 404	406+60.00
6	.014 FT/FT	DEER CREEK (RT)	406+60.00	DWY 410 RT
10	.005 FT/FT	BASE CAMP (LT)	DEER CREEK	DWY 103
12	.005 FT/FT	BASE CAMP (RT)	DEER CREEK	DWY 101
12	.015 FT/FT	BASE CAMP (RT)	DWY 101	DWY 104 (A/B)
12	.042 FT/FT	BASE CAMP (RT)	DWY 104 (A/B)	DWY 107 RT
10	FT/FT	MICROSCOPE (RT)	200+20.00	202+30.00
13	.01 FT/FT	MICROSCOPE (LT)	204+80.00	DWY 206
13	.009 FT/FT	MICROSCOPE (RT)	202+60.00	204+80.00
13	.015 FT/FT	MICROSCOPE (RT)	204+80.00	206+72.00
9	.045 FT/FT	WOODMOOR (LT)	304+20.00	304+80.00
8	.018 FT/FT	WOODMOOR (RT)	301+20.00	302+20.00
7	.042 FT/FT	WOODMOOR (RT)	304+20.00	304+80.00

*DITCHES SHALL BE GRADED TO DRAIN AND ACCOUNT FOR GRADING IN AND OUT OF CULVERTS
SEE DRAINAGE AND GRADING PLANS FOR MORE INFORMATION

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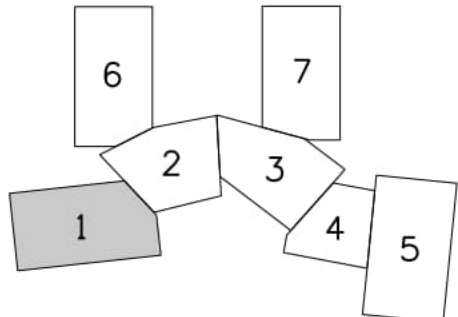
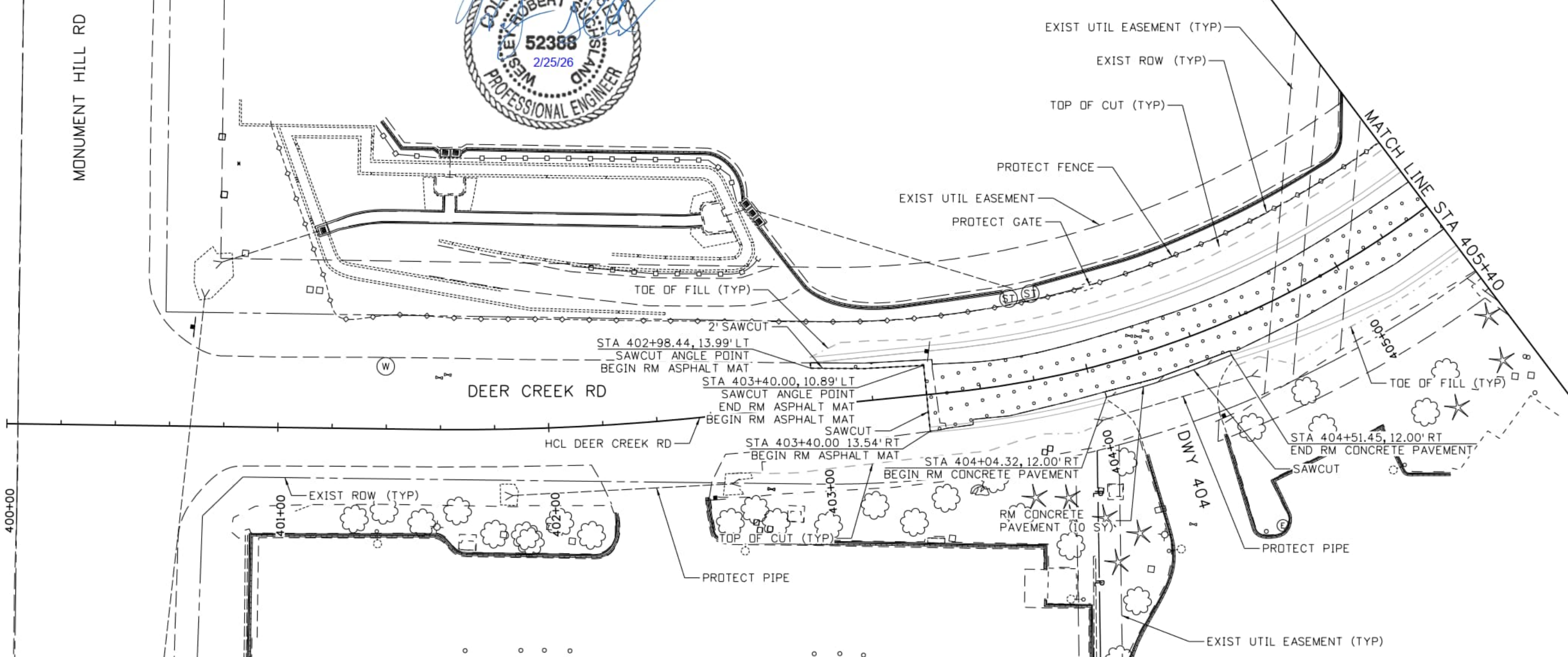
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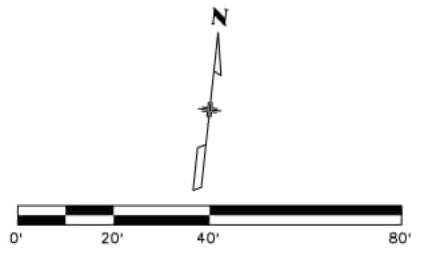
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
TYPICAL SECTIONS DRIVEWAY & PAVEMENT DETAILS	TYPICALS 6 of 6 Sheet Number 022



- NOTES:**
- SEE UTILITY CONFLICT PLAN AND SIGNING AND STRIPING PLAN SUBSETS FOR MORE INFORMATION.
 - SAWCUTTING AND PROTECTION OF ITEMS SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE WORK.
 - TREES THAT ARE OUTSIDE OF THE TOP OF CUT/TOE OF FILL AND ARE NOT OTHERWISE IDENTIFIED FOR REMOVAL SHALL BE PROTECTED.

- LEGEND:**
- REMOVAL OF ASPHALT MAT
 - REMOVAL OF CONCRETE PAVEMENT
 - REMOVAL OF RIPRAP
 - REMOVAL OF CURB AND GUTTER
 - REMOVAL OF PIPE
 - REMOVAL OF FENCE



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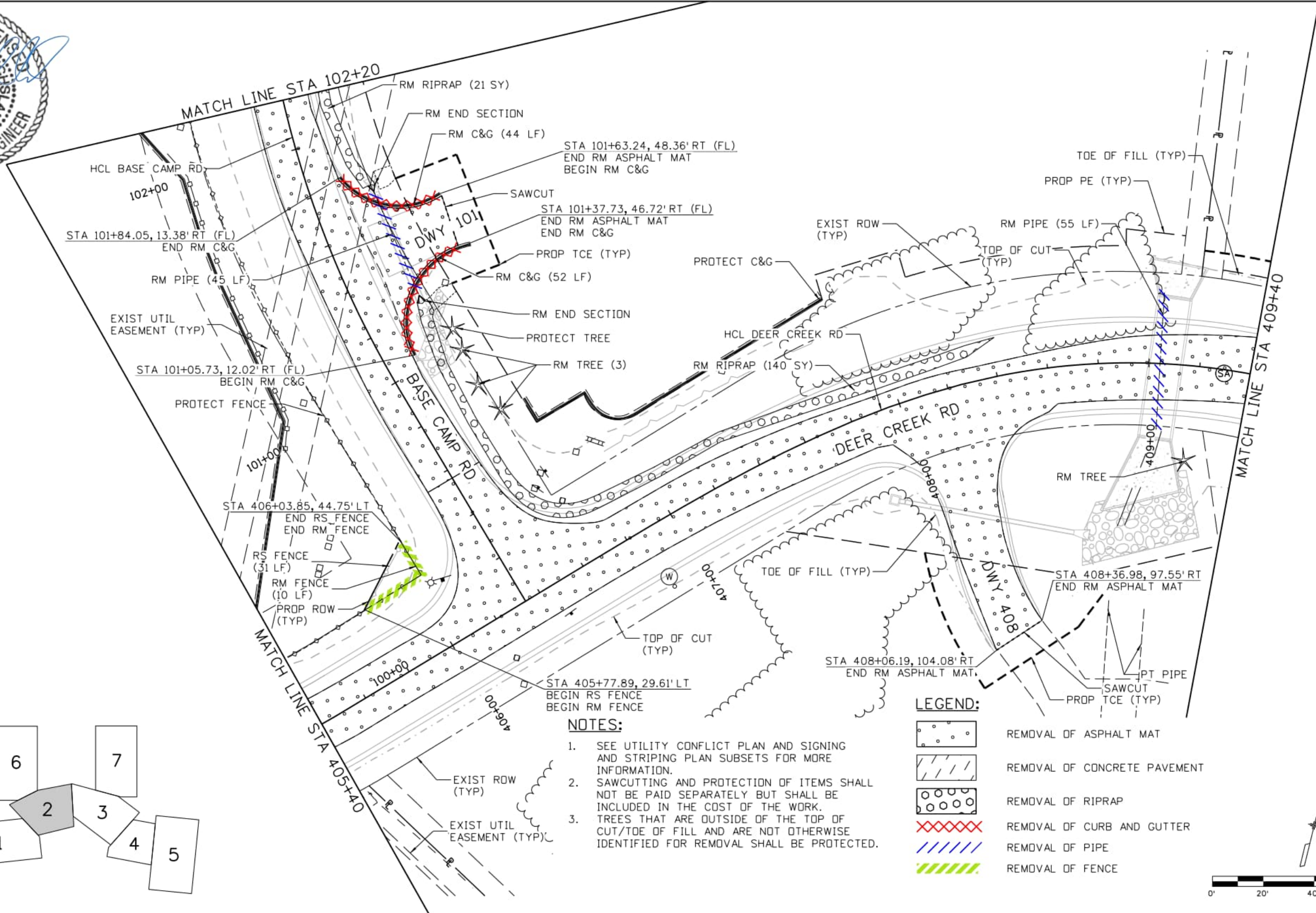
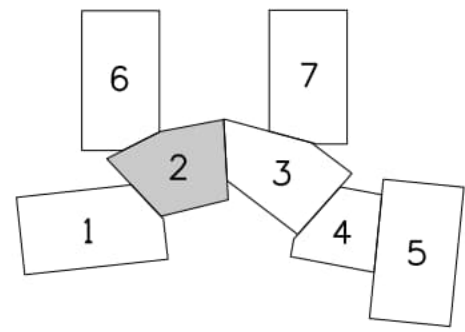
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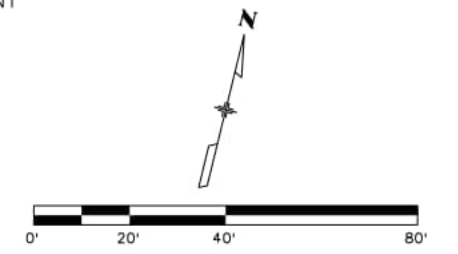
DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
REMOVAL PLAN	REMOVALS 1 of 7
STA 400+00 TO STA 405+40	Sheet Number 023



- NOTES:**
1. SEE UTILITY CONFLICT PLAN AND SIGNING AND STRIPING PLAN SUBSETS FOR MORE INFORMATION.
 2. SAWCUTTING AND PROTECTION OF ITEMS SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE WORK.
 3. TREES THAT ARE OUTSIDE OF THE TOP OF CUT/TOE OF FILL AND ARE NOT OTHERWISE IDENTIFIED FOR REMOVAL SHALL BE PROTECTED.

LEGEND:

- REMOVAL OF ASPHALT MAT
- REMOVAL OF CONCRETE PAVEMENT
- REMOVAL OF RIPRAP
- REMOVAL OF CURB AND GUTTER
- REMOVAL OF PIPE
- REMOVAL OF FENCE



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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
REMOVAL PLAN STA 405+40 TO STA 409+40	REMOVALS 2 of 7 Sheet Number 024

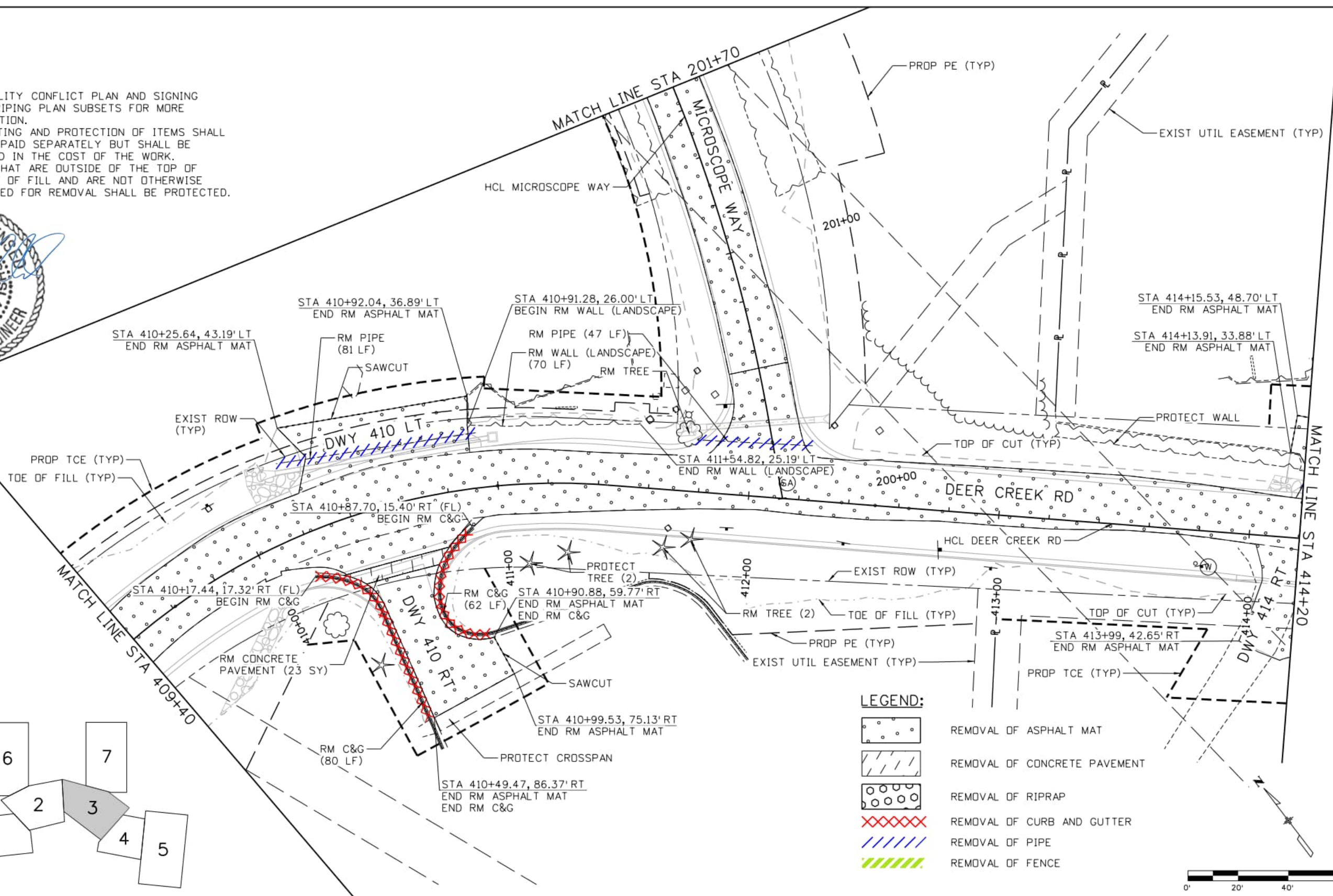
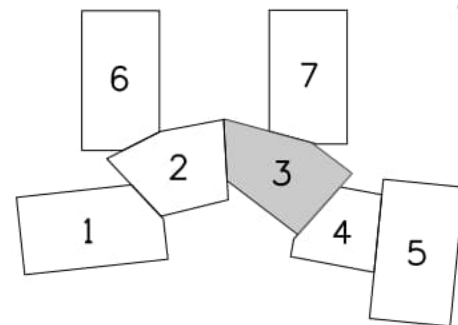
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NOTES:

1. SEE UTILITY CONFLICT PLAN AND SIGNING AND STRIPING PLAN SUBSETS FOR MORE INFORMATION.
2. SAWCUTTING AND PROTECTION OF ITEMS SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE WORK.
3. TREES THAT ARE OUTSIDE OF THE TOP OF CUT/TOE OF FILL AND ARE NOT OTHERWISE IDENTIFIED FOR REMOVAL SHALL BE PROTECTED.

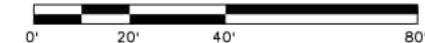


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LEGEND:

- REMOVAL OF ASPHALT MAT
- REMOVAL OF CONCRETE PAVEMENT
- REMOVAL OF RIPRAP
- REMOVAL OF CURB AND GUTTER
- REMOVAL OF PIPE
- REMOVAL OF FENCE



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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

REMOVAL PLAN
 STA 409+40 TO STA 414+20

REMOVALS 3 of 7

Sheet Number 025

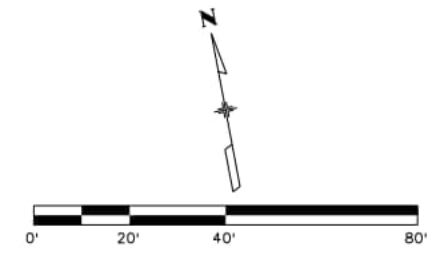
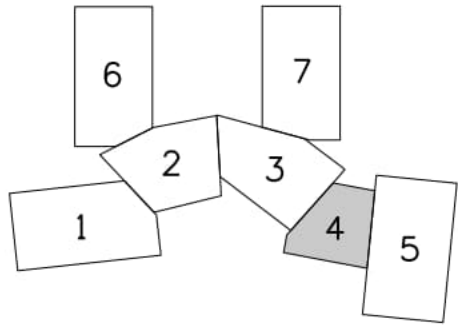
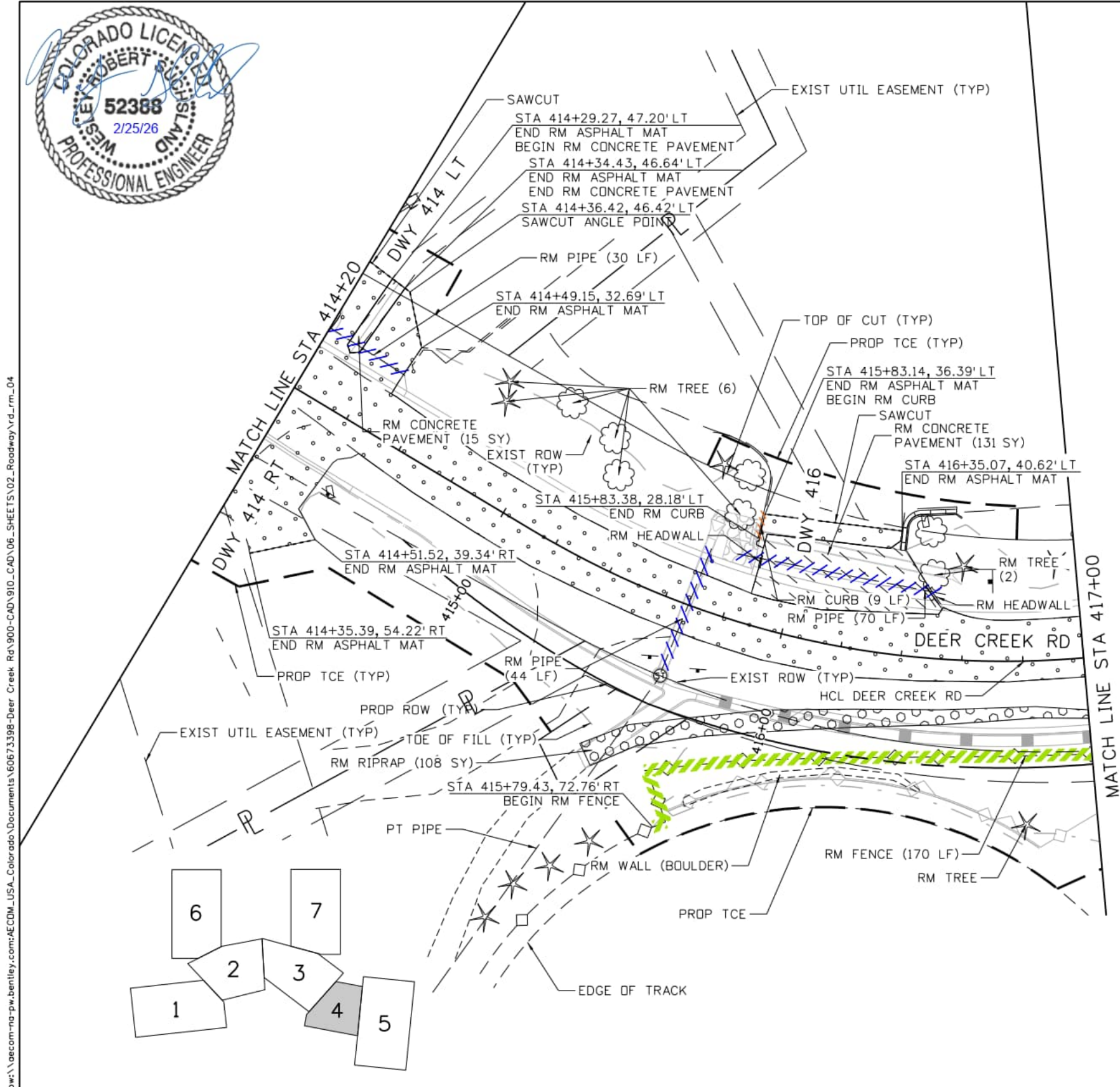


LEGEND:

- REMOVAL OF ASPHALT MAT
- REMOVAL OF CONCRETE PAVEMENT
- REMOVAL OF RIPRAP
- REMOVAL OF CURB AND GUTTER
- REMOVAL OF PIPE
- REMOVAL OF FENCE
- REMOVAL OF CURB

NOTES:

1. SEE UTILITY CONFLICT PLAN AND SIGNING AND STRIPING PLAN SUBSETS FOR MORE INFORMATION.
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3. TREES THAT ARE OUTSIDE OF THE TOP OF CUT/TOE OF FILL AND ARE NOT OTHERWISE IDENTIFIED FOR REMOVAL SHALL BE PROTECTED.



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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

REMOVAL PLAN
 STA 414+20 TO 417+00

REMOVALS 4 of 7
 Sheet Number 026

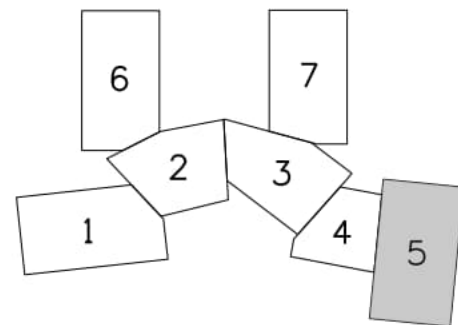
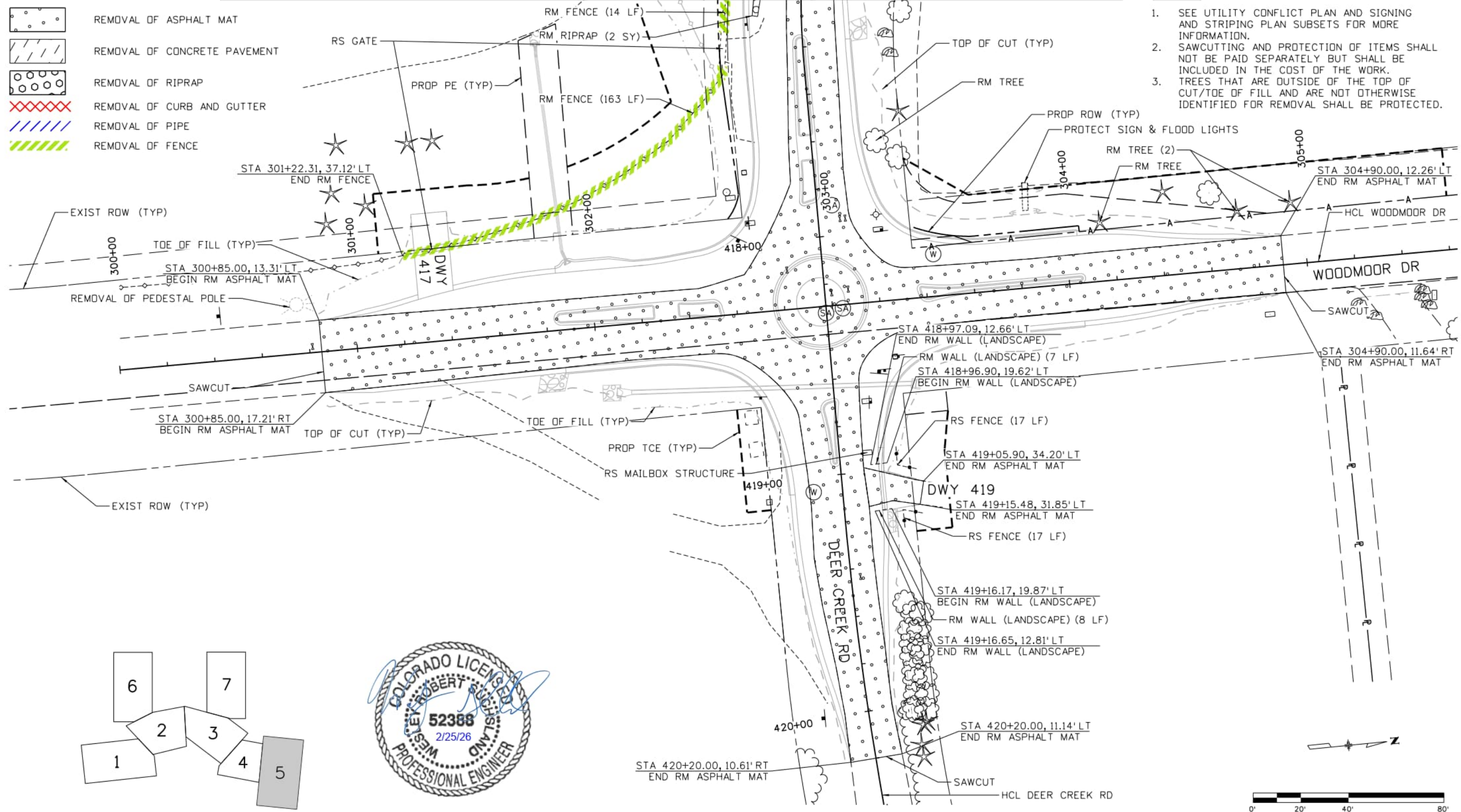
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-  REMOVAL OF ASPHALT MAT
-  REMOVAL OF CONCRETE PAVEMENT
-  REMOVAL OF RIPRAP
-  REMOVAL OF CURB AND GUTTER
-  REMOVAL OF PIPE
-  REMOVAL OF FENCE

MATCH LINE STA 417+00

NOTES:

1. SEE UTILITY CONFLICT PLAN AND SIGNING AND STRIPING PLAN SUBSETS FOR MORE INFORMATION.
2. SAWCUTTING AND PROTECTION OF ITEMS SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE WORK.
3. TREES THAT ARE OUTSIDE OF THE TOP OF CUT/TOE OF FILL AND ARE NOT OTHERWISE IDENTIFIED FOR REMOVAL SHALL BE PROTECTED.



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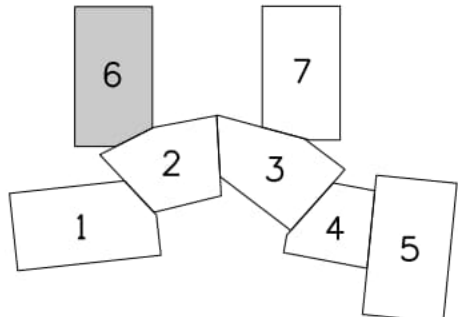
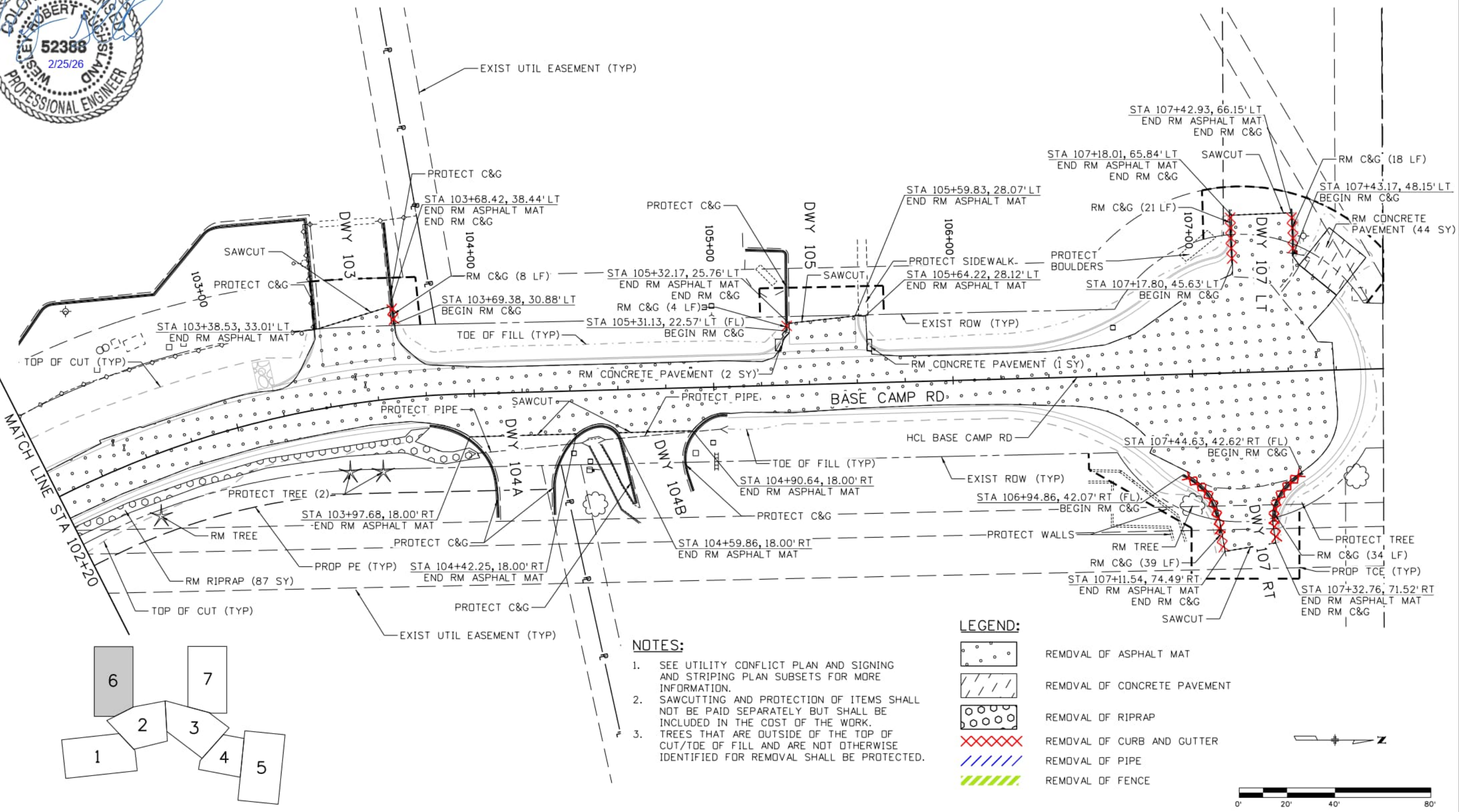
DEER CREEK ROAD INTERSECTION IMPROVEMENTS

REMOVAL PLAN STA 417+00 TO 420+20	REMOVALS 5 of 7 Sheet Number 027
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- NOTES:**
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LEGEND:

- REMOVAL OF ASPHALT MAT
- REMOVAL OF CONCRETE PAVEMENT
- REMOVAL OF RIPRAP
- REMOVAL OF CURB AND GUTTER
- REMOVAL OF PIPE
- REMOVAL OF FENCE

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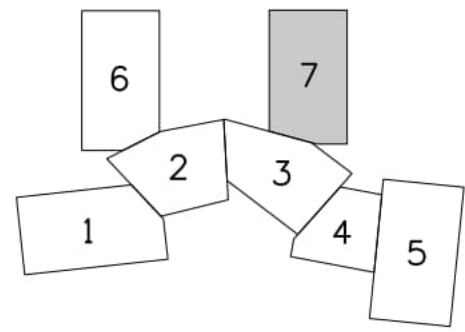
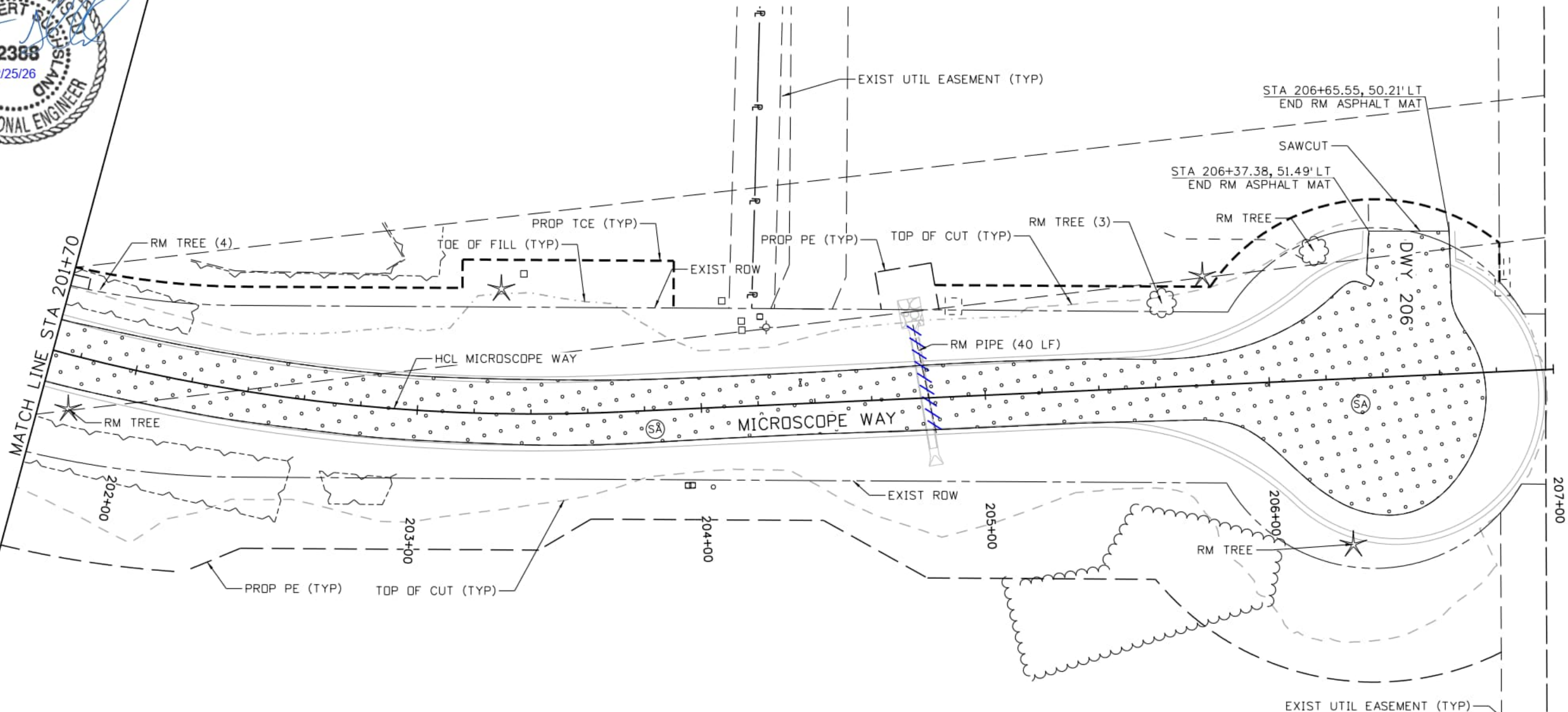
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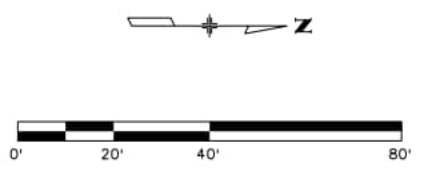
DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
REMOVAL PLAN	REMOVALS 6 of 7
STA 102+20 TO STA 107+80	Sheet Number 028



- NOTES:**
- SEE UTILITY CONFLICT PLAN AND SIGNING AND STRIPING PLAN SUBSETS FOR MORE INFORMATION.
 - SAWCUTTING AND PROTECTION OF ITEMS SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE WORK.
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LEGEND:

- REMOVAL OF ASPHALT MAT
- REMOVAL OF CONCRETE PAVEMENT
- REMOVAL OF RIPRAP
- REMOVAL OF CURB AND GUTTER
- REMOVAL OF PIPE
- REMOVAL OF FENCE



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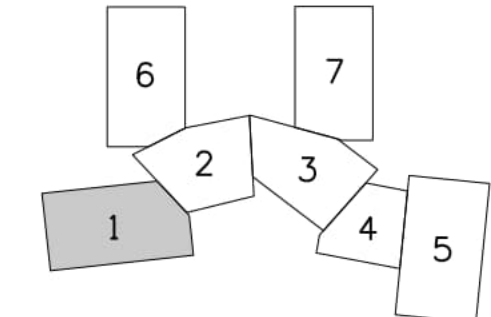
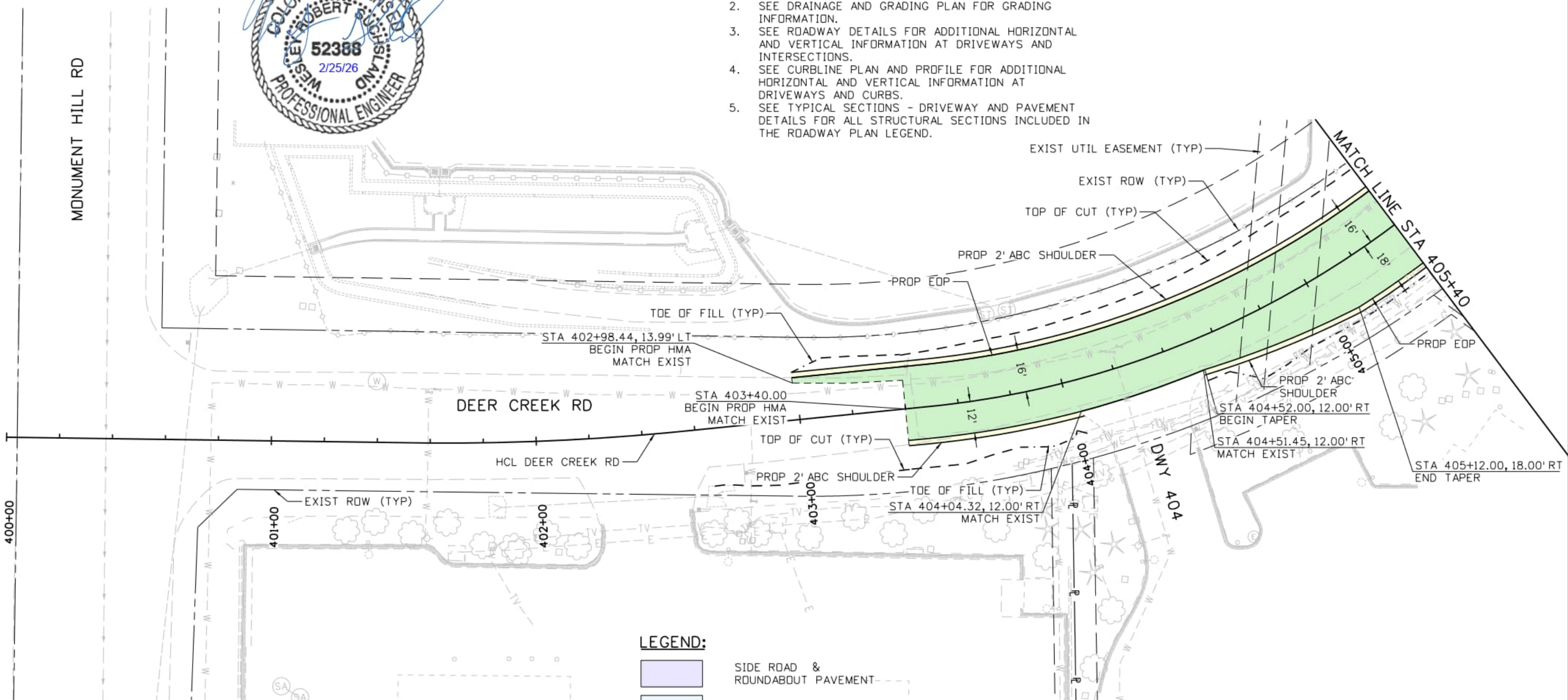
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REMOVAL PLAN STA 201+70 TO STA 207+00	REMOVALS 7 of 7 Sheet Number 029

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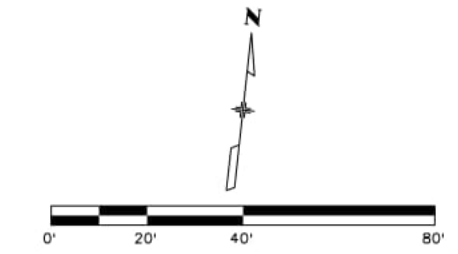
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1. SEE REMOVAL PLAN FOR SAWCUT INFORMATION.
2. SEE DRAINAGE AND GRADING PLAN FOR GRADING INFORMATION.
3. SEE ROADWAY DETAILS FOR ADDITIONAL HORIZONTAL AND VERTICAL INFORMATION AT DRIVEWAYS AND INTERSECTIONS.
4. SEE CURBLINE PLAN AND PROFILE FOR ADDITIONAL HORIZONTAL AND VERTICAL INFORMATION AT DRIVEWAYS AND CURBS.
5. SEE TYPICAL SECTIONS - DRIVEWAY AND PAVEMENT DETAILS FOR ALL STRUCTURAL SECTIONS INCLUDED IN THE ROADWAY PLAN LEGEND.



LEGEND:

- SIDE ROAD & ROUNDABOUT PAVEMENT
- CONCRETE
- AGGREGATE BASE COURSE
- DEER CREEK PAVEMENT
- PLOWABLE END SECTION



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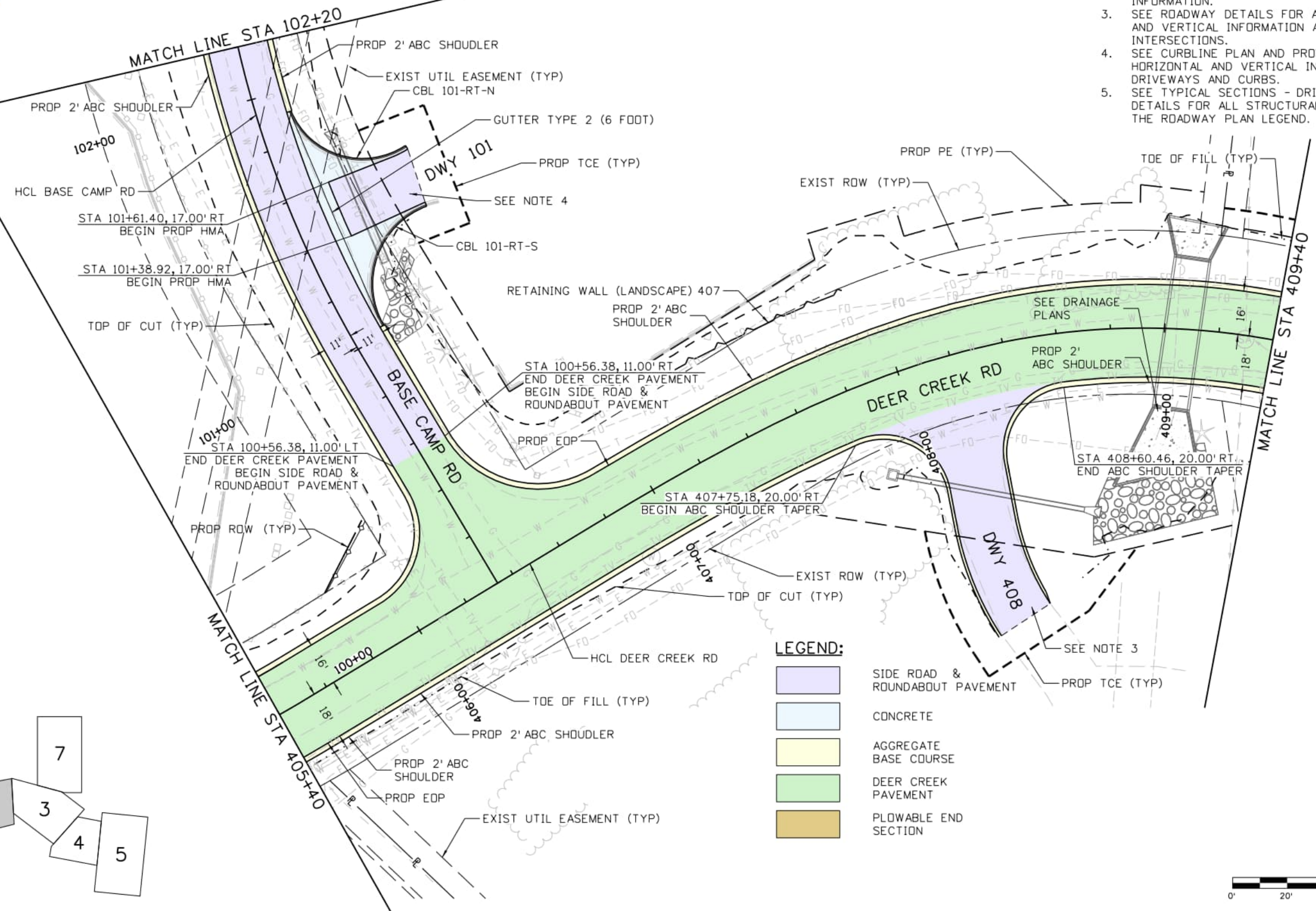
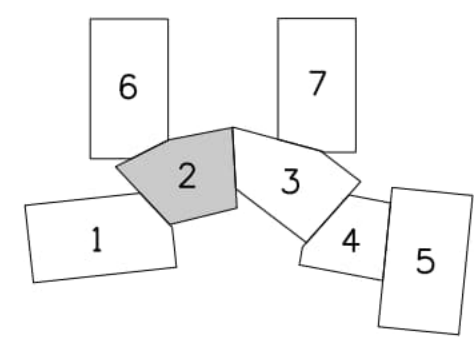


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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
ROADWAY PLAN STA 400+00 TO STA 405+40	ROADWAY 1 of 7 Sheet Number 030

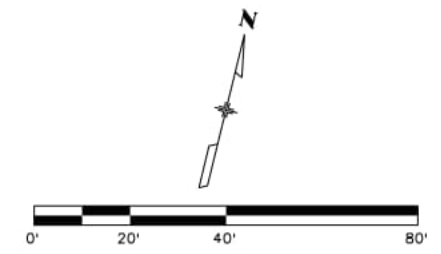


- NOTES:**
1. SEE REMOVAL PLAN FOR SAWCUT INFORMATION.
 2. SEE DRAINAGE AND GRADING PLAN FOR GRADING INFORMATION.
 3. SEE ROADWAY DETAILS FOR ADDITIONAL HORIZONTAL AND VERTICAL INFORMATION AT DRIVEWAYS AND INTERSECTIONS.
 4. SEE CURBLINE PLAN AND PROFILE FOR ADDITIONAL HORIZONTAL AND VERTICAL INFORMATION AT DRIVEWAYS AND CURBS.
 5. SEE TYPICAL SECTIONS - DRIVEWAY AND PAVEMENT DETAILS FOR ALL STRUCTURAL SECTIONS INCLUDED IN THE ROADWAY PLAN LEGEND.



LEGEND:

- SIDE ROAD & ROUNDABOUT PAVEMENT
- CONCRETE
- AGGREGATE BASE COURSE
- DEER CREEK PAVEMENT
- PLOWABLE END SECTION



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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
ROADWAY PLAN STA 405+40 TO STA 409+40	ROADWAY 2 of 7 Sheet Number 031

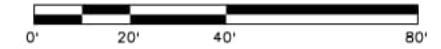
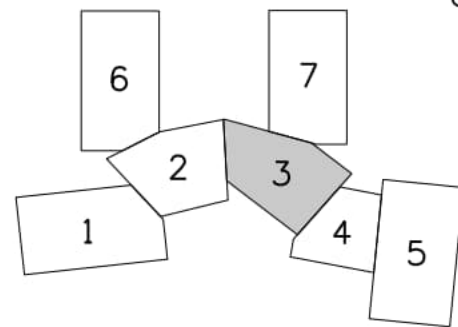
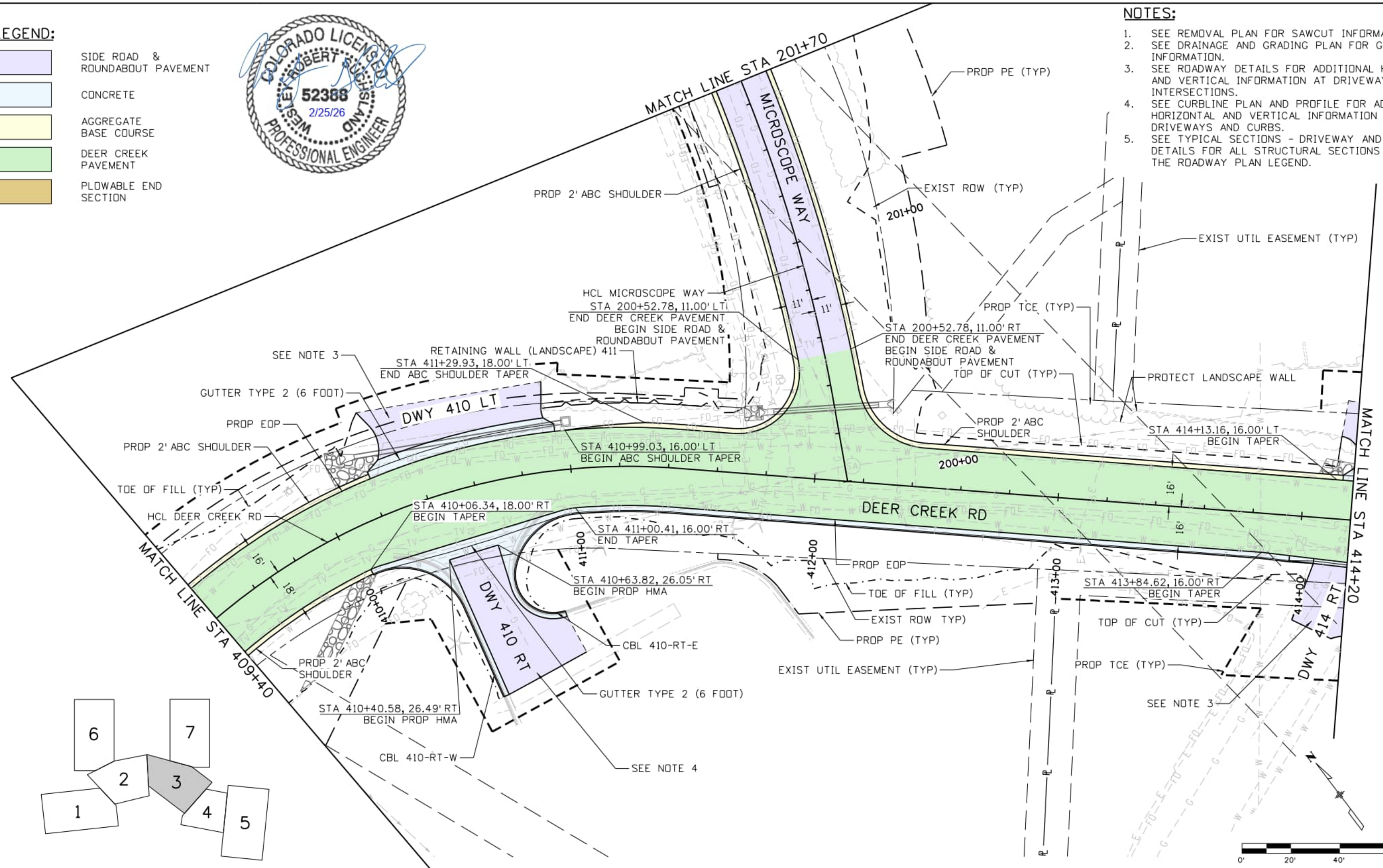
LEGEND:

- SIDE ROAD & ROUNDABOUT PAVEMENT
- CONCRETE
- AGGREGATE BASE COURSE
- DEER CREEK PAVEMENT
- PLDWABLE END SECTION



NOTES:

1. SEE REMOVAL PLAN FOR SAWCUT INFORMATION.
2. SEE DRAINAGE AND GRADING PLAN FOR GRADING INFORMATION.
3. SEE ROADWAY DETAILS FOR ADDITIONAL HORIZONTAL AND VERTICAL INFORMATION AT DRIVEWAYS AND INTERSECTIONS.
4. SEE CURBLINE PLAN AND PROFILE FOR ADDITIONAL HORIZONTAL AND VERTICAL INFORMATION AT DRIVEWAYS AND CURBS.
5. SEE TYPICAL SECTIONS - DRIVEWAY AND PAVEMENT DETAILS FOR ALL STRUCTURAL SECTIONS INCLUDED IN THE ROADWAY PLAN LEGEND.



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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
ROADWAY PLAN STA 409+40 TO STA 414+20	ROADWAY 3 of 7
	Sheet Number 032

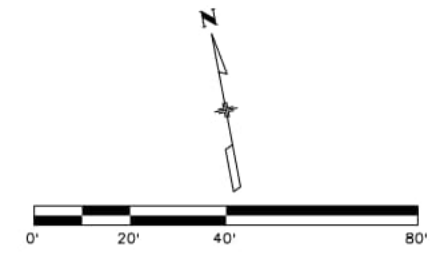
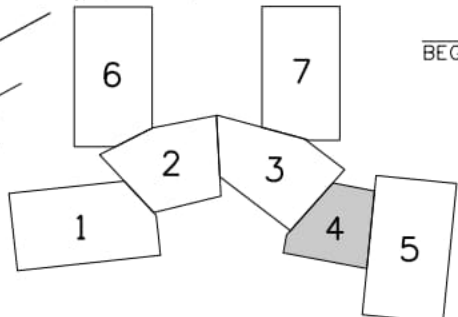
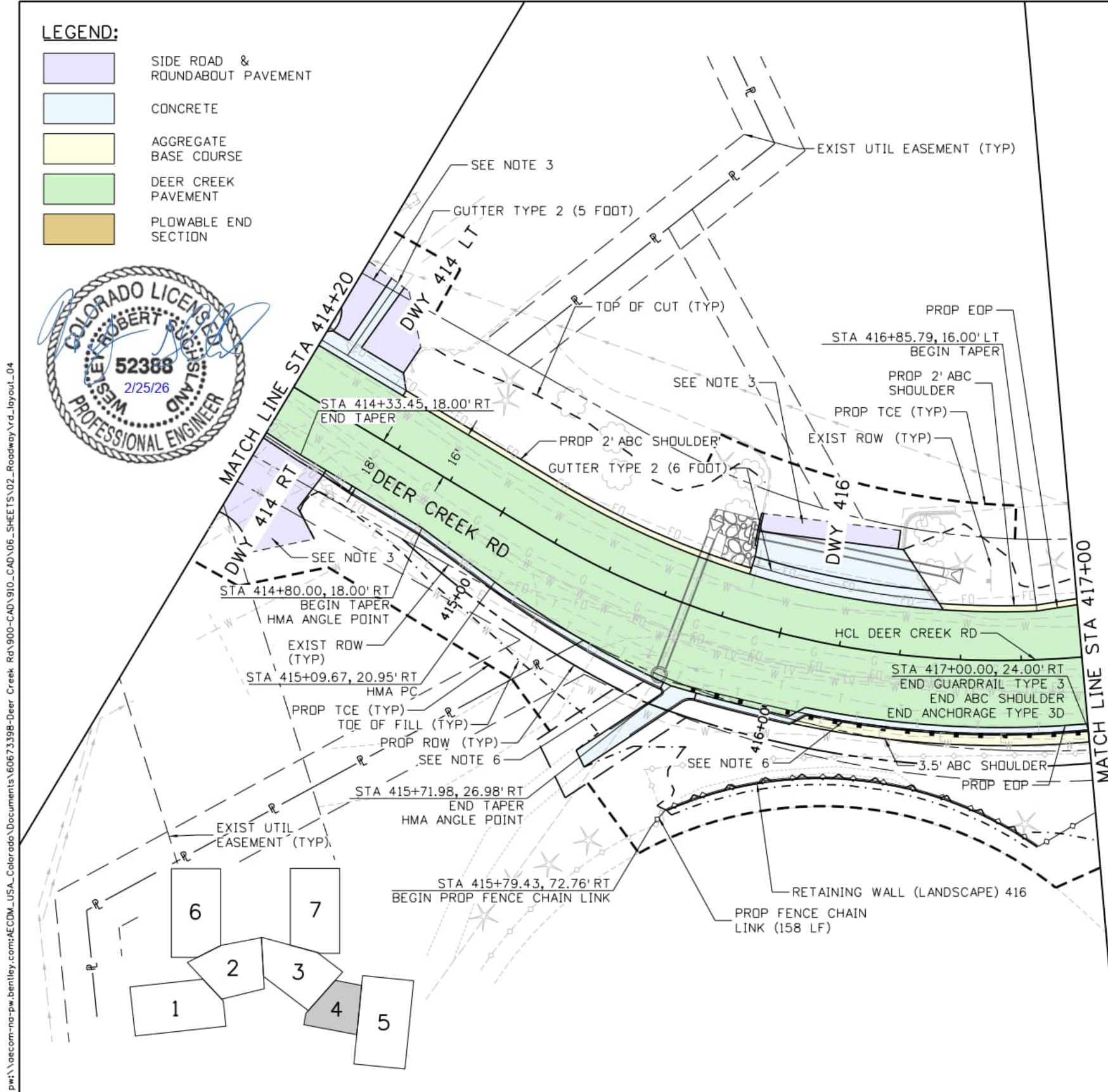
LEGEND:

- SIDE ROAD & ROUNDABOUT PAVEMENT
- CONCRETE
- AGGREGATE BASE COURSE
- DEER CREEK PAVEMENT
- PLOWABLE END SECTION



NOTES:

1. SEE REMOVAL PLAN FOR SAWCUT INFORMATION.
2. SEE DRAINAGE AND GRADING PLAN FOR GRADING INFORMATION.
3. SEE ROADWAY DETAILS FOR ADDITIONAL HORIZONTAL AND VERTICAL INFORMATION AT DRIVEWAYS AND INTERSECTIONS.
4. SEE CURBLINE PLAN AND PROFILE FOR ADDITIONAL HORIZONTAL AND VERTICAL INFORMATION AT DRIVEWAYS AND CURBS.
5. SEE TYPICAL SECTIONS - DRIVEWAY AND PAVEMENT DETAILS FOR ALL STRUCTURAL SECTIONS INCLUDED IN THE ROADWAY PLAN LEGEND.
6. SEE ROADWAY DETAILS FOR MORE INFORMATION ON GUARDRAIL HMA AND EMBANKMENT PROTECTOR.



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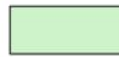



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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
ROADWAY PLAN STA 414+20 TO 417+00	ROADWAY 4 of 7
	Sheet Number 033

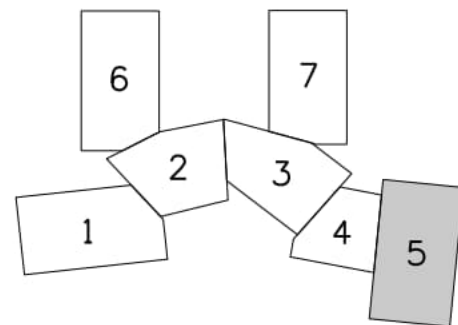
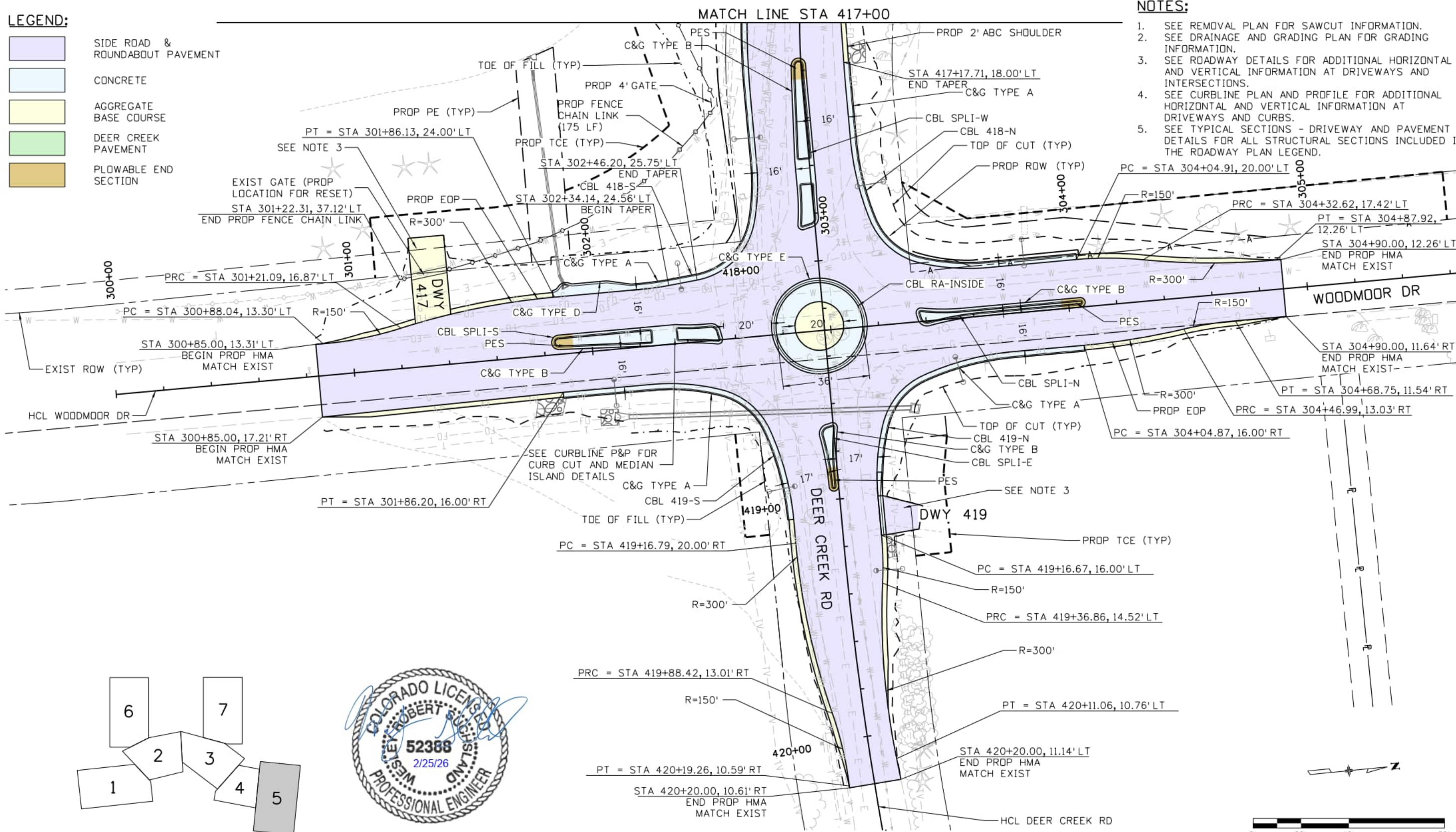
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LEGEND:

-  SIDE ROAD & ROUNDABOUT PAVEMENT
-  CONCRETE
-  AGGREGATE BASE COURSE
-  DEER CREEK PAVEMENT
-  PLOWABLE END SECTION

NOTES:

1. SEE REMOVAL PLAN FOR SAWCUT INFORMATION.
2. SEE DRAINAGE AND GRADING PLAN FOR GRADING INFORMATION.
3. SEE ROADWAY DETAILS FOR ADDITIONAL HORIZONTAL AND VERTICAL INFORMATION AT DRIVEWAYS AND INTERSECTIONS.
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5. SEE TYPICAL SECTIONS - DRIVEWAY AND PAVEMENT DETAILS FOR ALL STRUCTURAL SECTIONS INCLUDED IN THE ROADWAY PLAN LEGEND.



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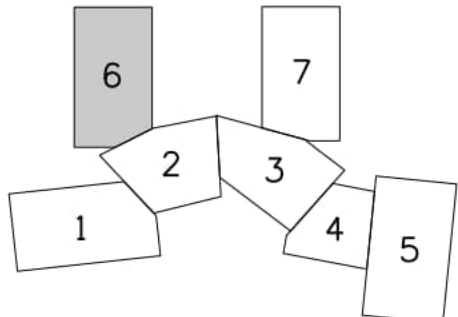
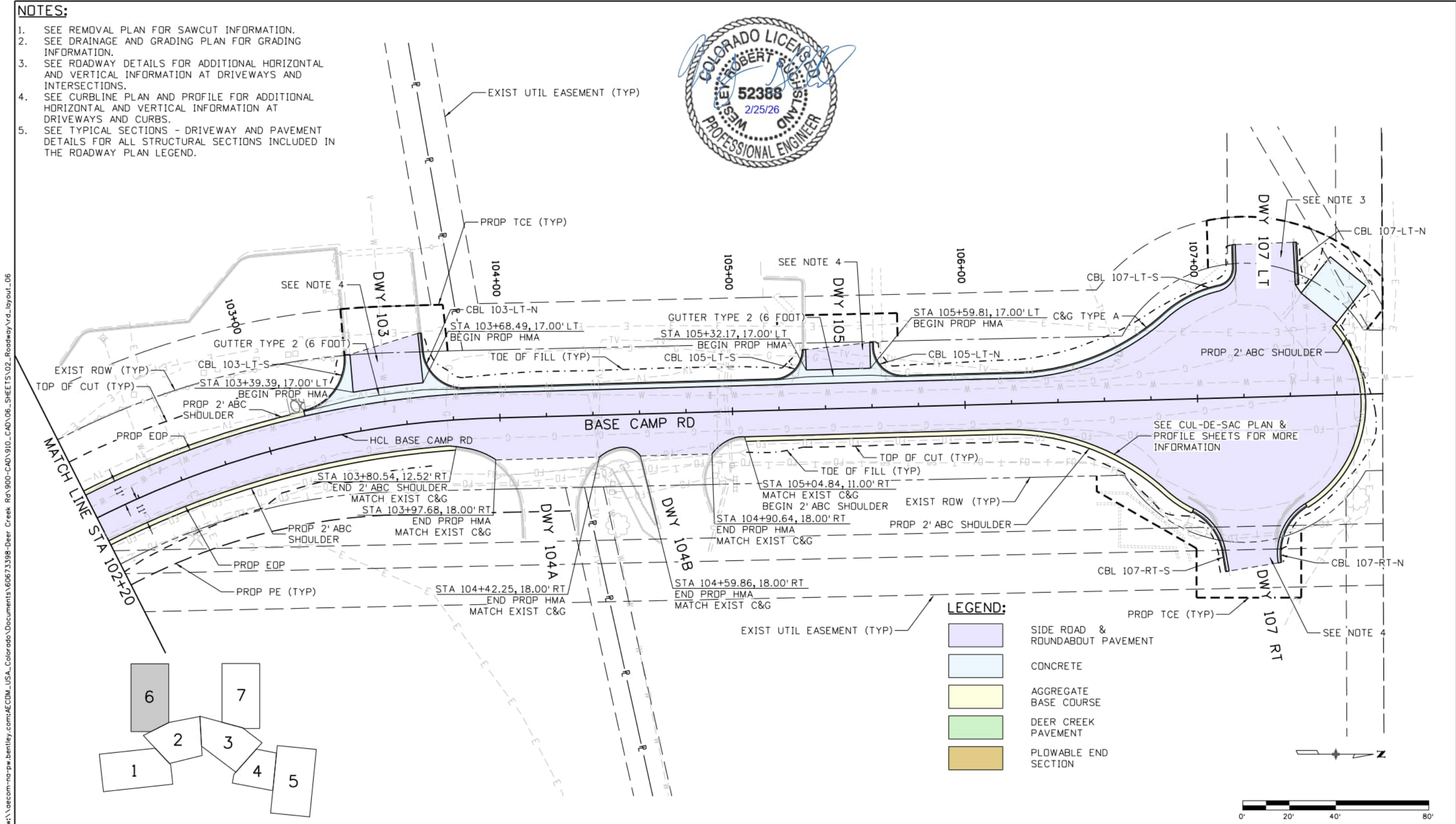


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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
ROADWAY PLAN	ROADWAY 5 of 7
STA 417+00 TO 420+20	Sheet Number 034

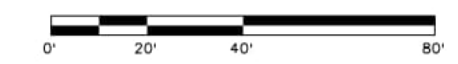
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3. SEE ROADWAY DETAILS FOR ADDITIONAL HORIZONTAL AND VERTICAL INFORMATION AT DRIVEWAYS AND INTERSECTIONS.
4. SEE CURBLINE PLAN AND PROFILE FOR ADDITIONAL HORIZONTAL AND VERTICAL INFORMATION AT DRIVEWAYS AND CURBS.
5. SEE TYPICAL SECTIONS - DRIVEWAY AND PAVEMENT DETAILS FOR ALL STRUCTURAL SECTIONS INCLUDED IN THE ROADWAY PLAN LEGEND.



LEGEND:

- SIDE ROAD & ROUNDABOUT PAVEMENT
- CONCRETE
- AGGREGATE BASE COURSE
- DEER CREEK PAVEMENT
- PLOWABLE END SECTION



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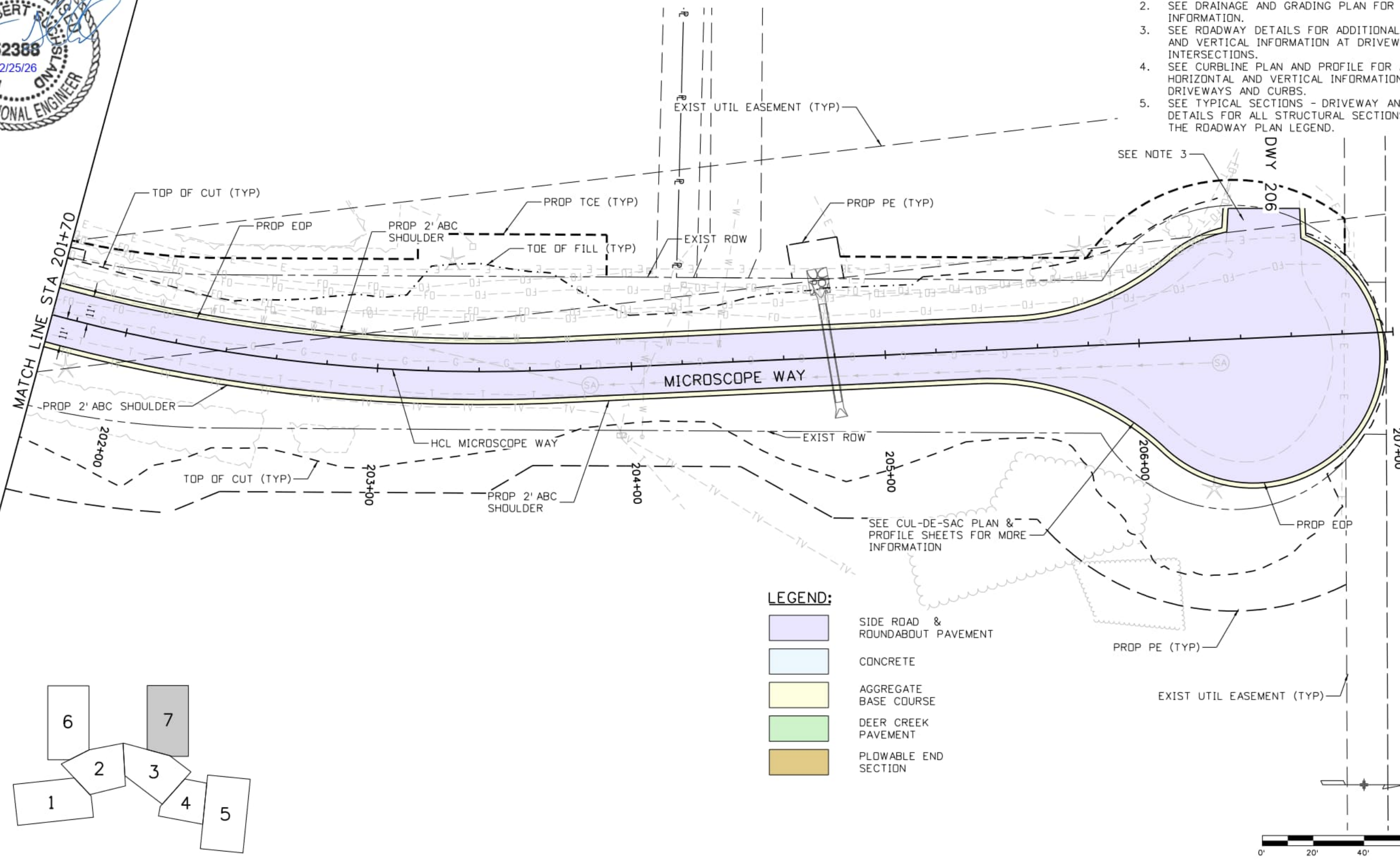
DEER CREEK ROAD INTERSECTION IMPROVEMENTS

ROADWAY PLAN STA 102+20 TO STA 107+80	ROADWAY 6 of 7 Sheet Number 035
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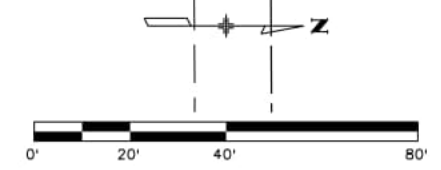
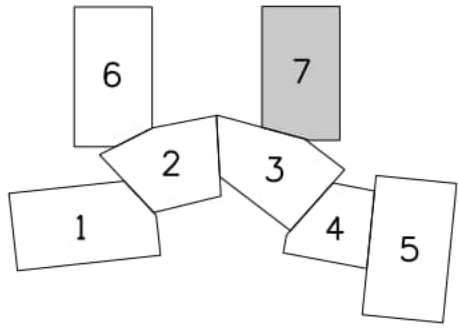


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 2. SEE DRAINAGE AND GRADING PLAN FOR GRADING INFORMATION.
 3. SEE ROADWAY DETAILS FOR ADDITIONAL HORIZONTAL AND VERTICAL INFORMATION AT DRIVEWAYS AND INTERSECTIONS.
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 5. SEE TYPICAL SECTIONS - DRIVEWAY AND PAVEMENT DETAILS FOR ALL STRUCTURAL SECTIONS INCLUDED IN THE ROADWAY PLAN LEGEND.



LEGEND:

	SIDE ROAD & ROUNDABOUT PAVEMENT
	CONCRETE
	AGGREGATE BASE COURSE
	DEER CREEK PAVEMENT
	PLOWABLE END SECTION



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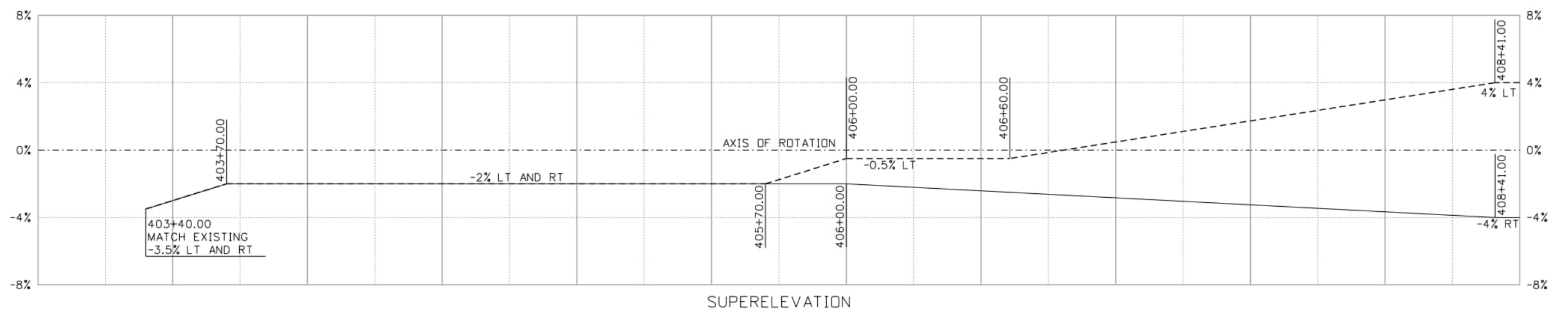
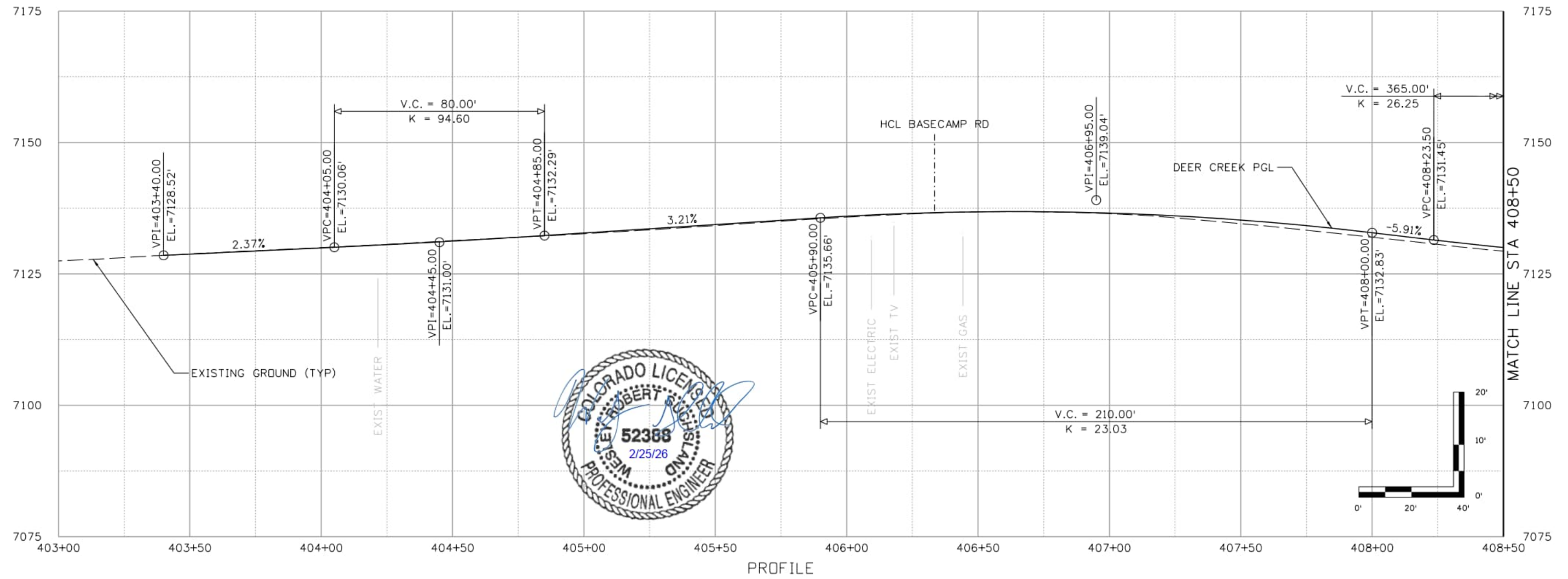


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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

ROADWAY PLAN STA 201+70 TO STA 207+00	ROADWAY 7 of 7 Sheet Number 036
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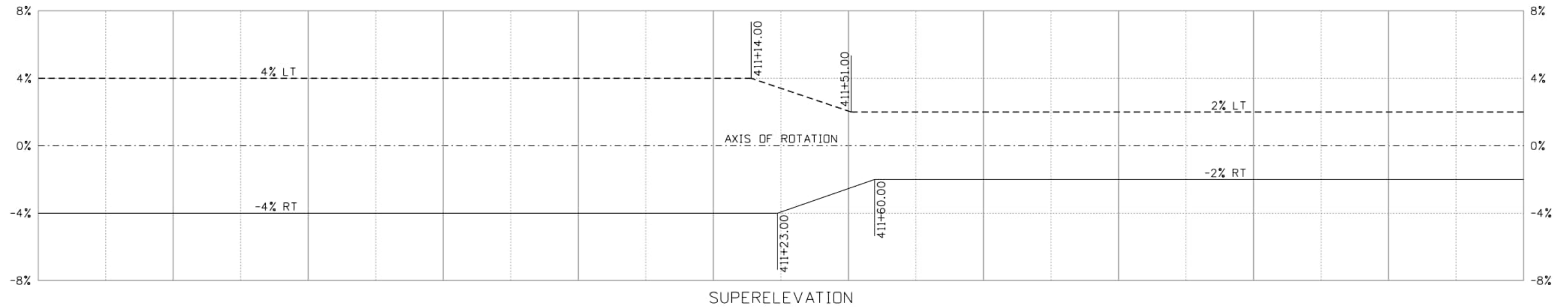
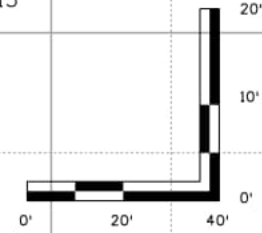
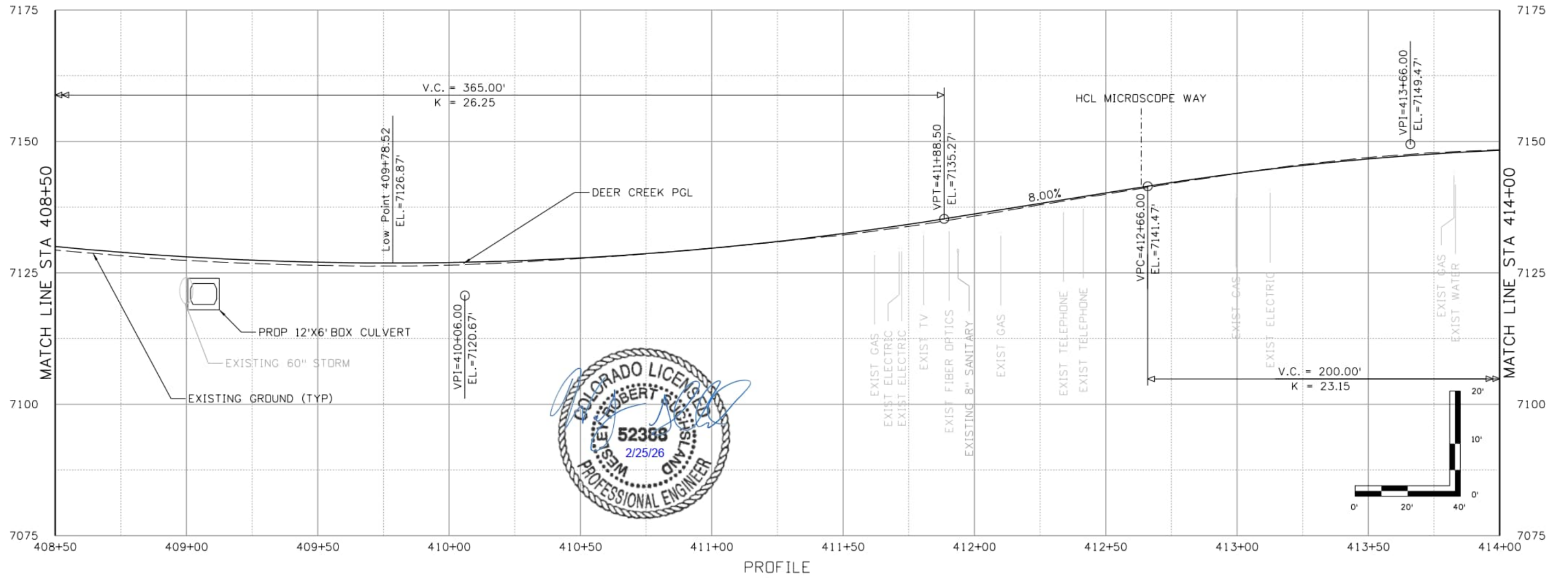
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
ROADWAY PROFILE DEER CREEK RD	PROFILE 1 of 9
	Sheet Number 037

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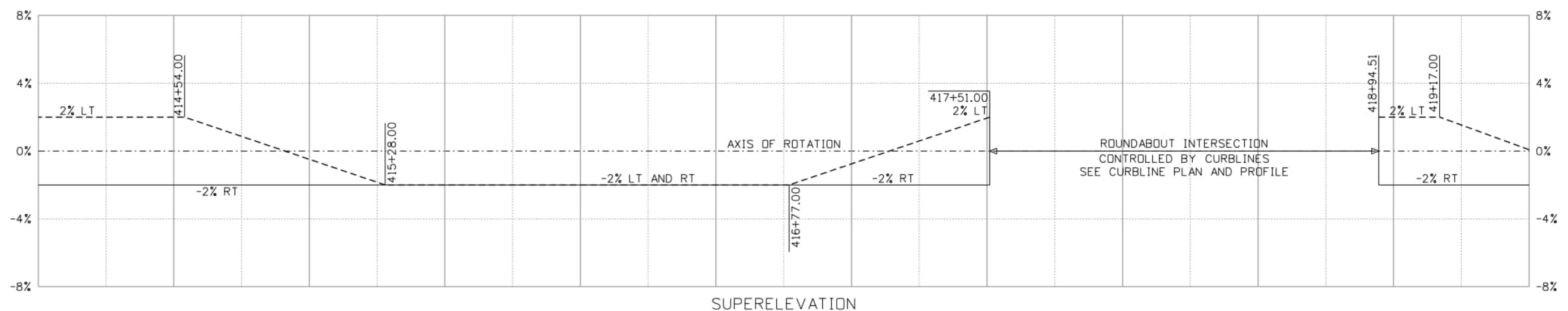
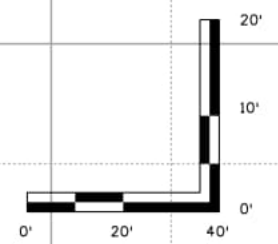
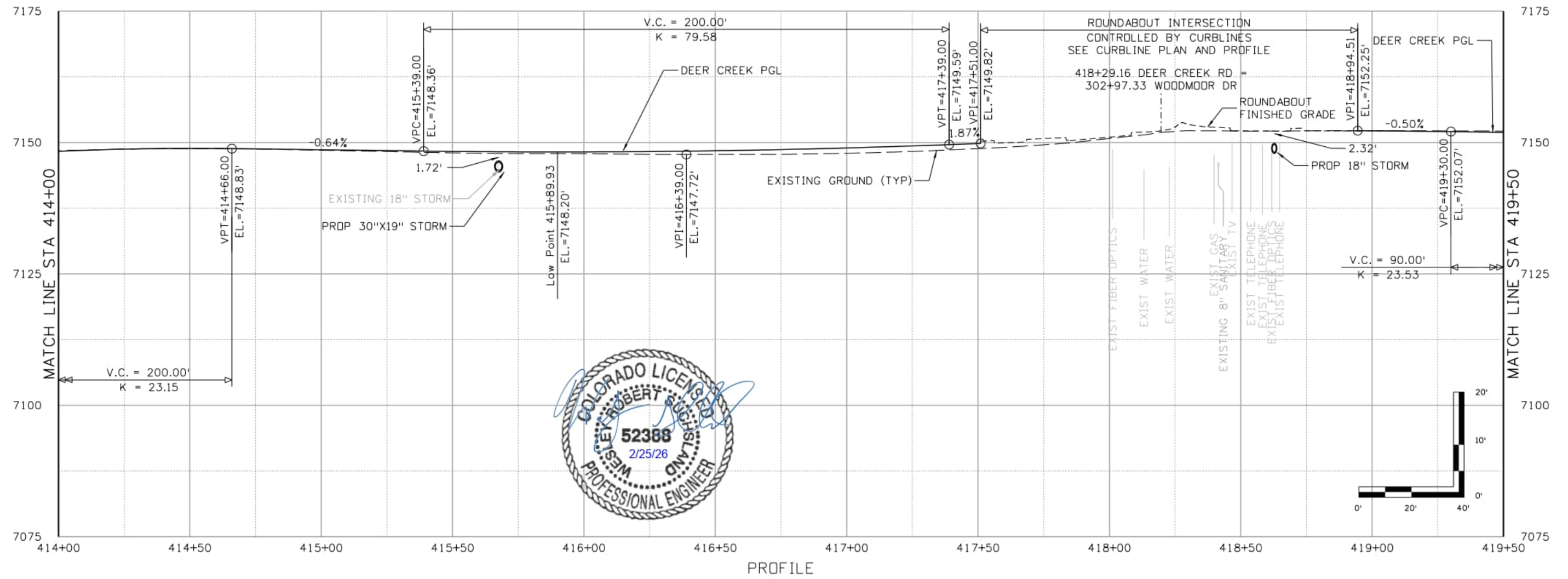
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
ROADWAY PROFILE DEER CREEK RD	PROFILE 2 of 9
	Sheet Number 038

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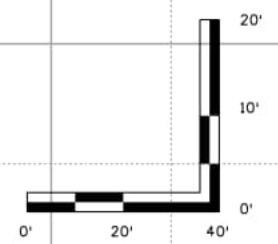
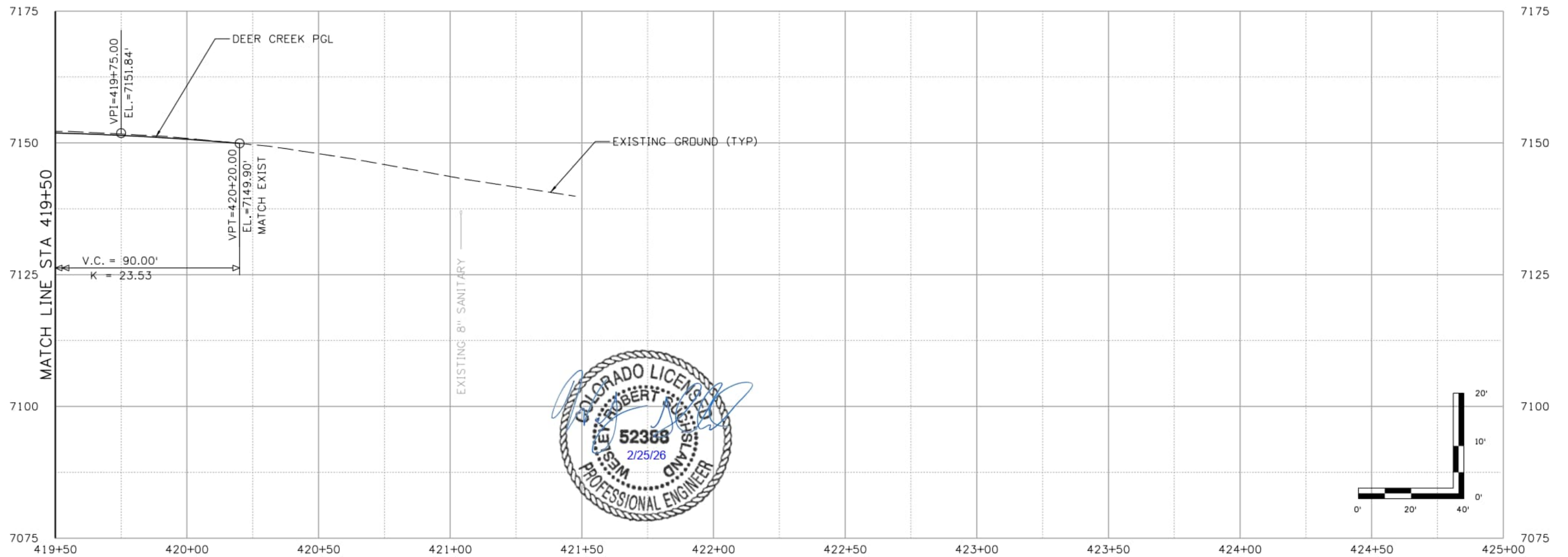
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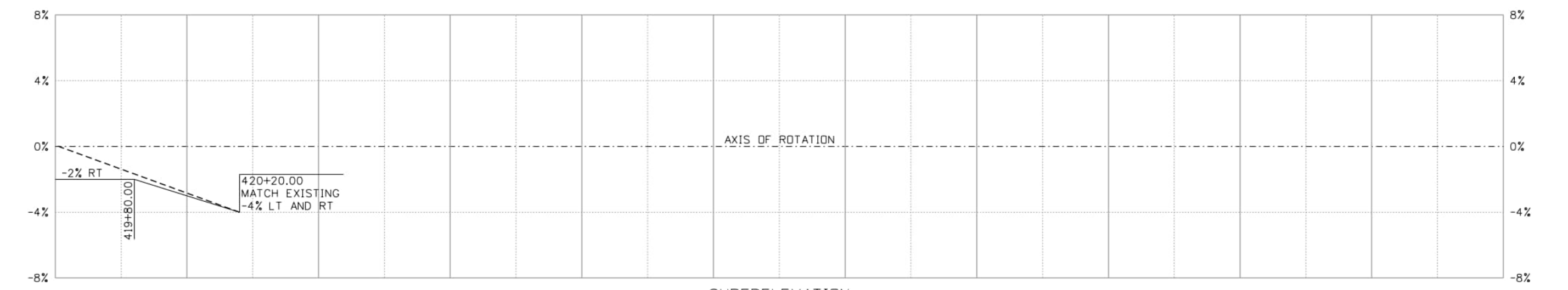
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
ROADWAY PROFILE DEER CREEK RD	PROFILE 3 of 9 Sheet Number 039

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PROFILE



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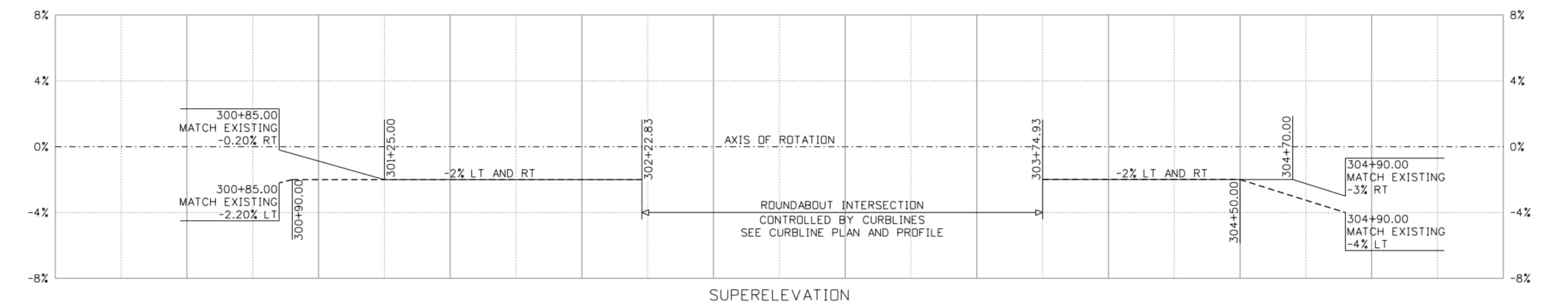
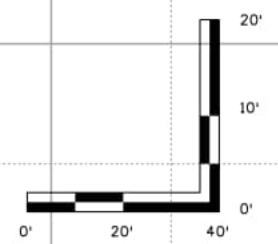
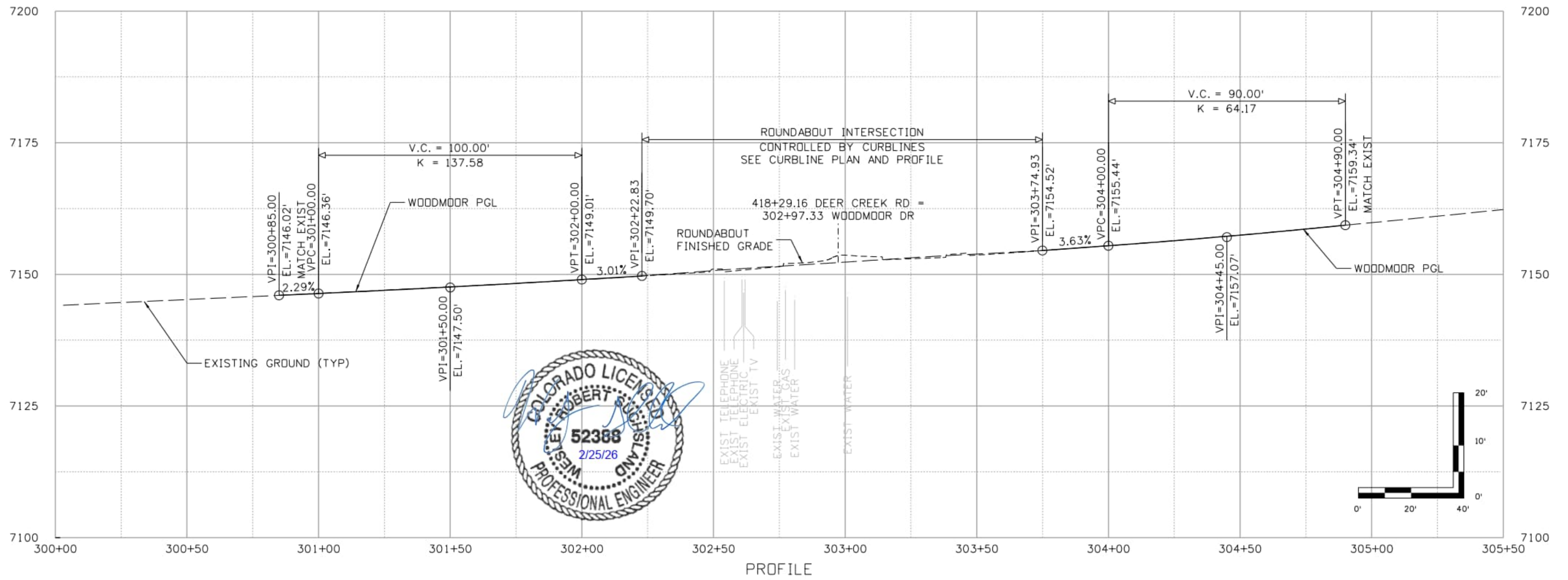
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
ROADWAY PROFILE DEER CREEK RD	PROFILE 4 of 9
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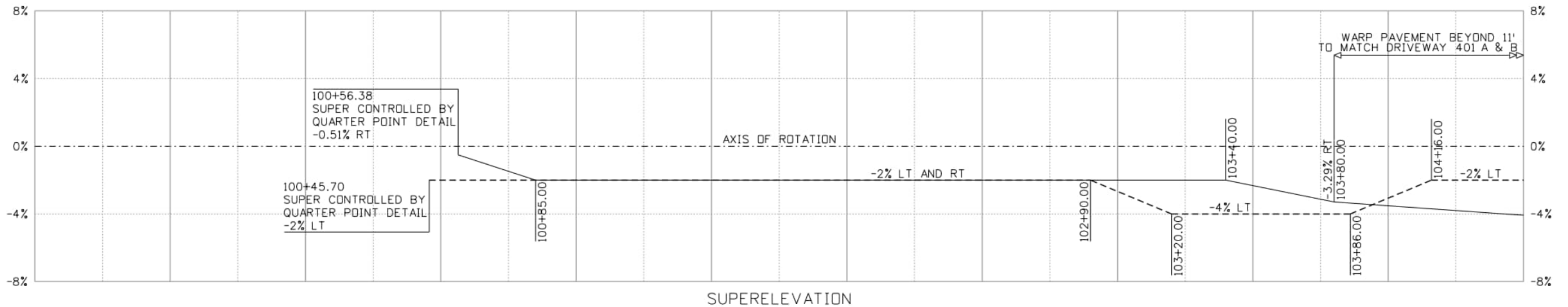
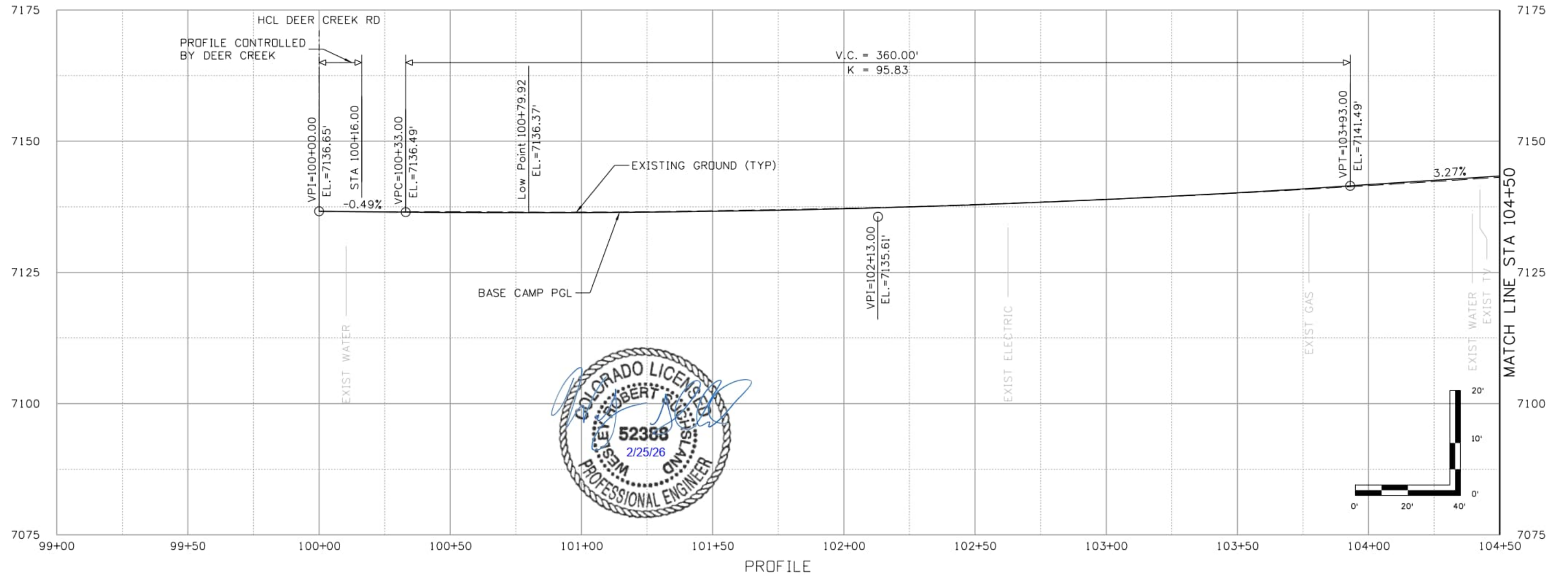
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
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	Sheet Number 041

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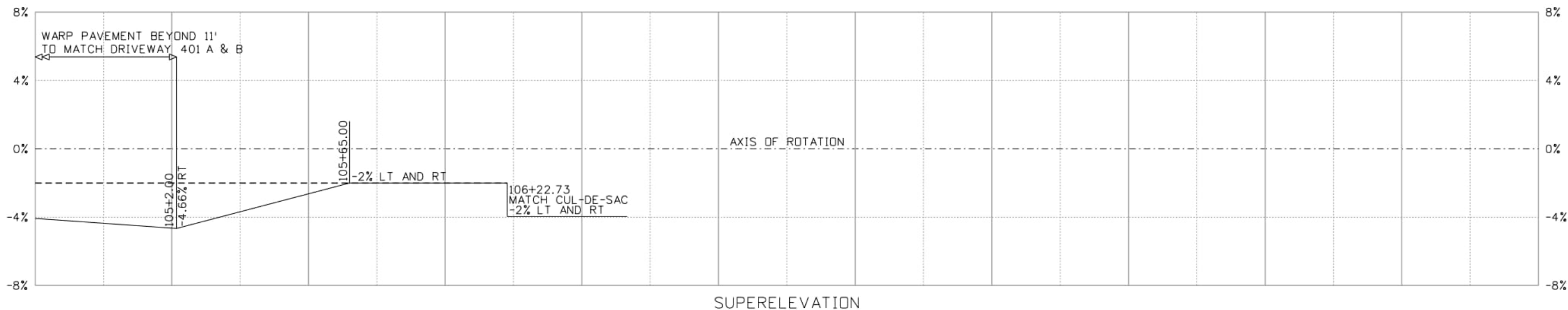
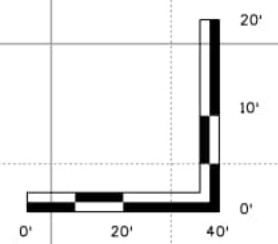
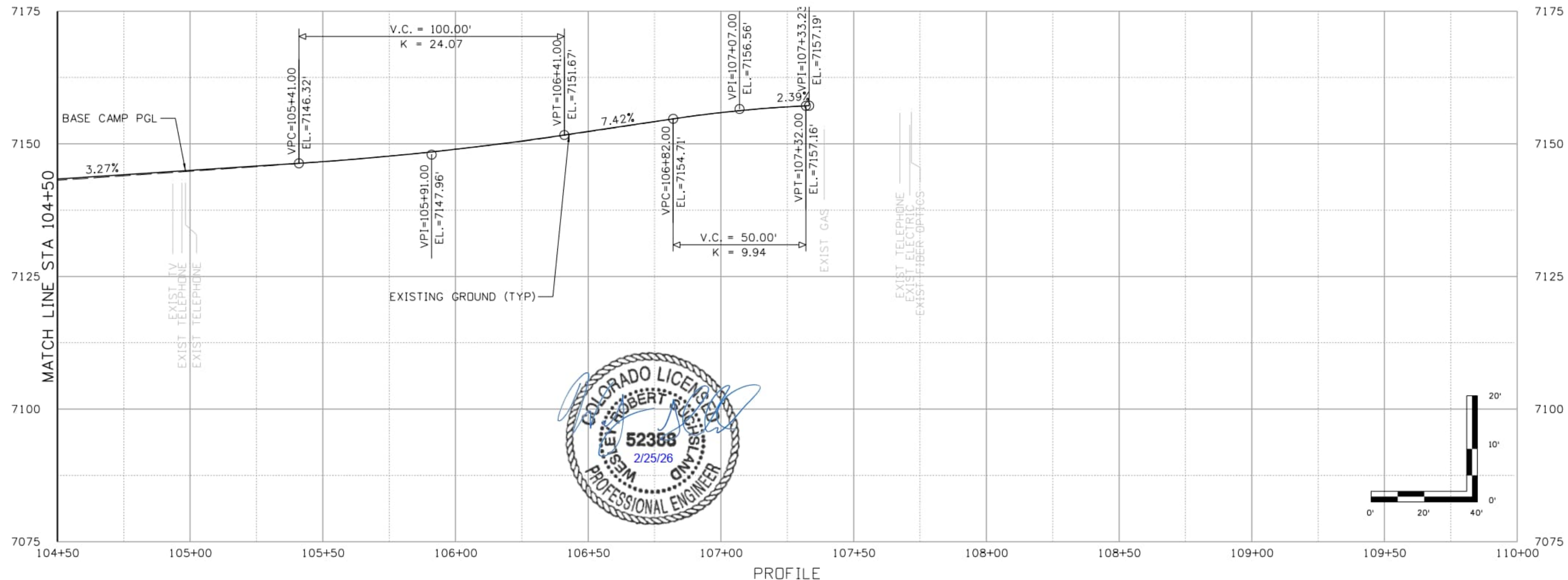
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
ROADWAY PROFILE	PROFILE 6 of 9
BASE CAMP RD	Sheet Number 042

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11x17 Scale: 1" = 40'	Units: Survey Feet

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Date:	Comments	Init.

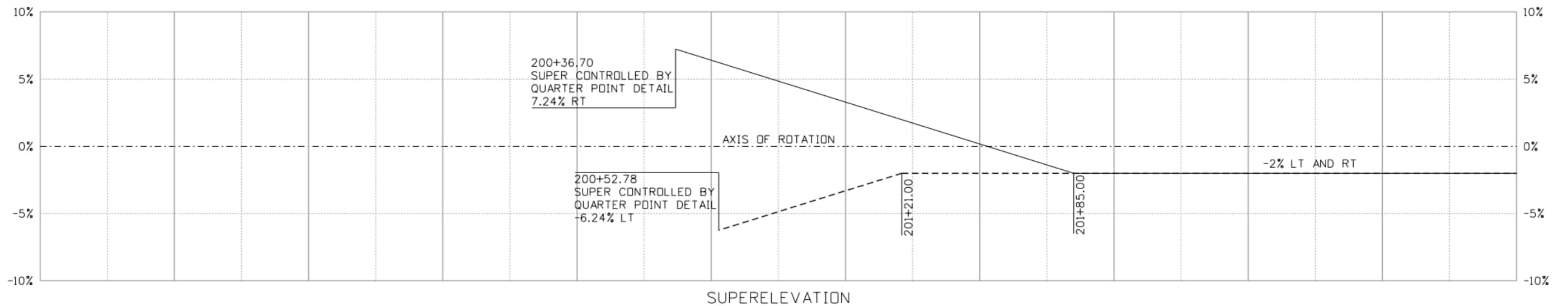
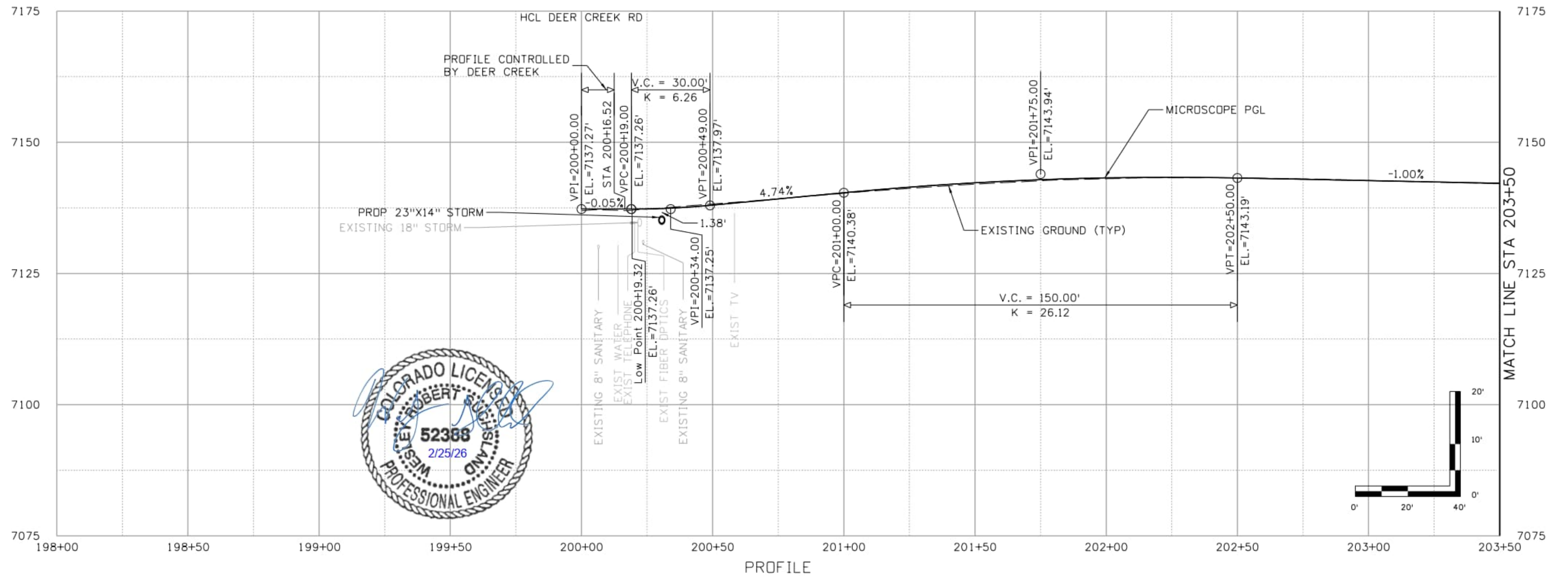
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 Phone: 719-520-6460
 Fax: 719-520-6879



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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
ROADWAY PROFILE	PROFILE 7 of 9
BASE CAMP RD	Sheet Number 043

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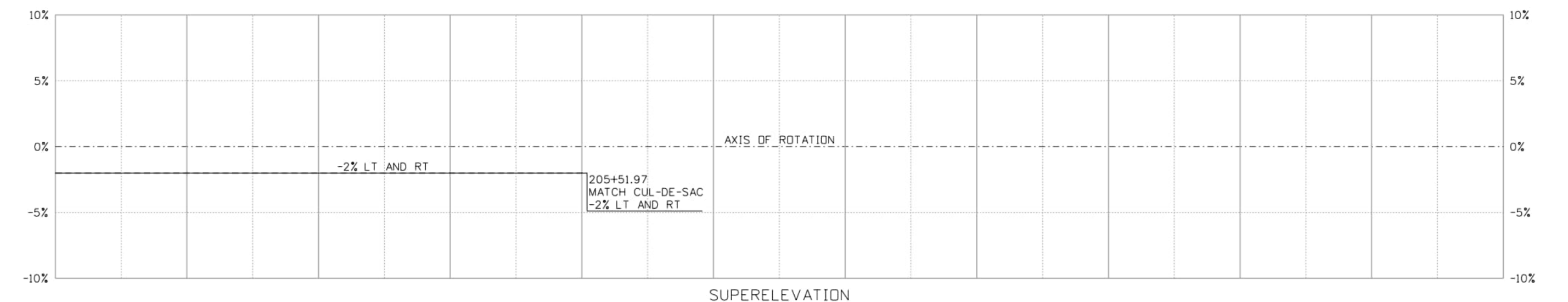
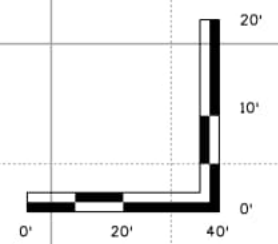
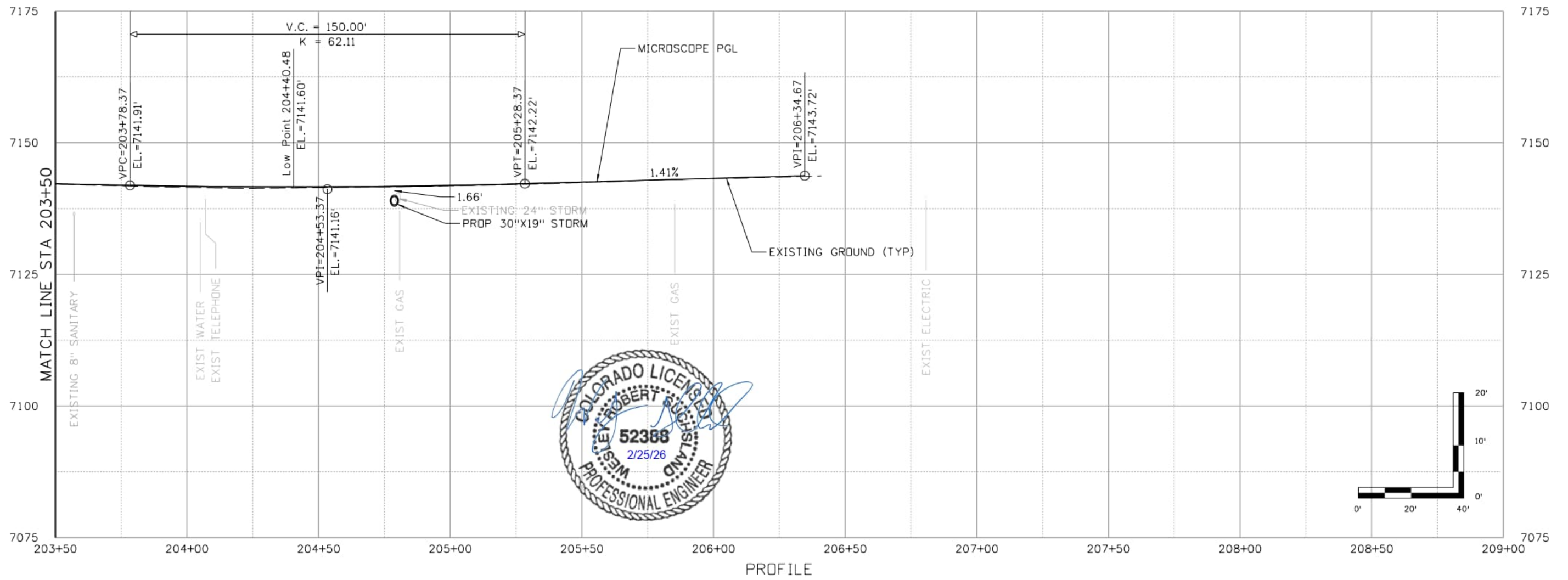
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
ROADWAY PROFILE MICROSCOPE WAY	PROFILE 8 of 9 Sheet Number 044

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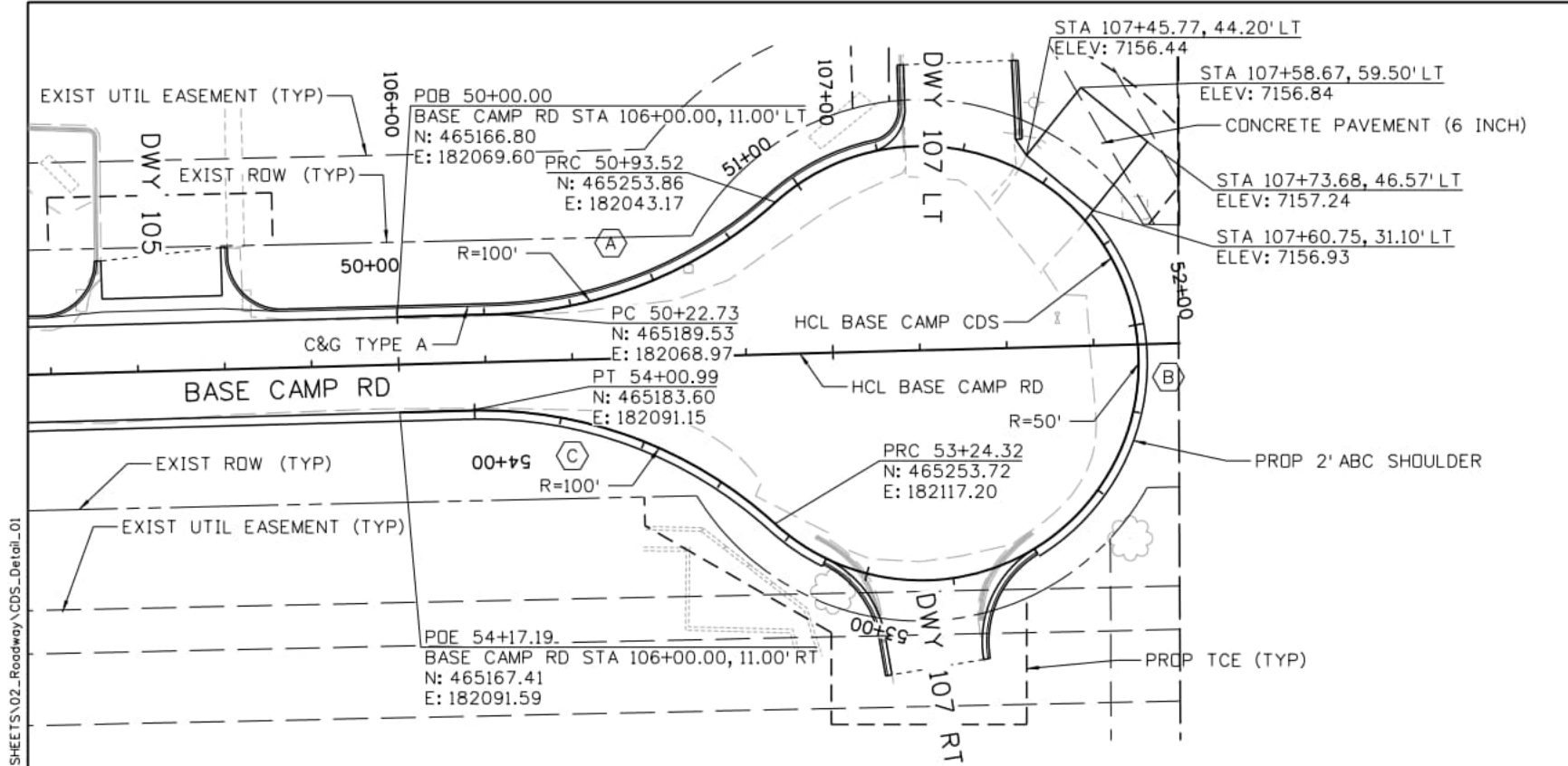
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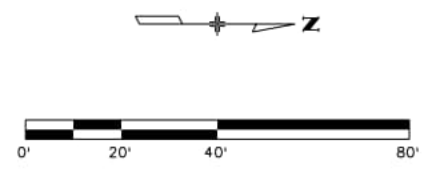


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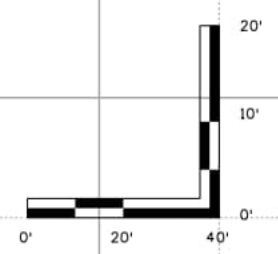
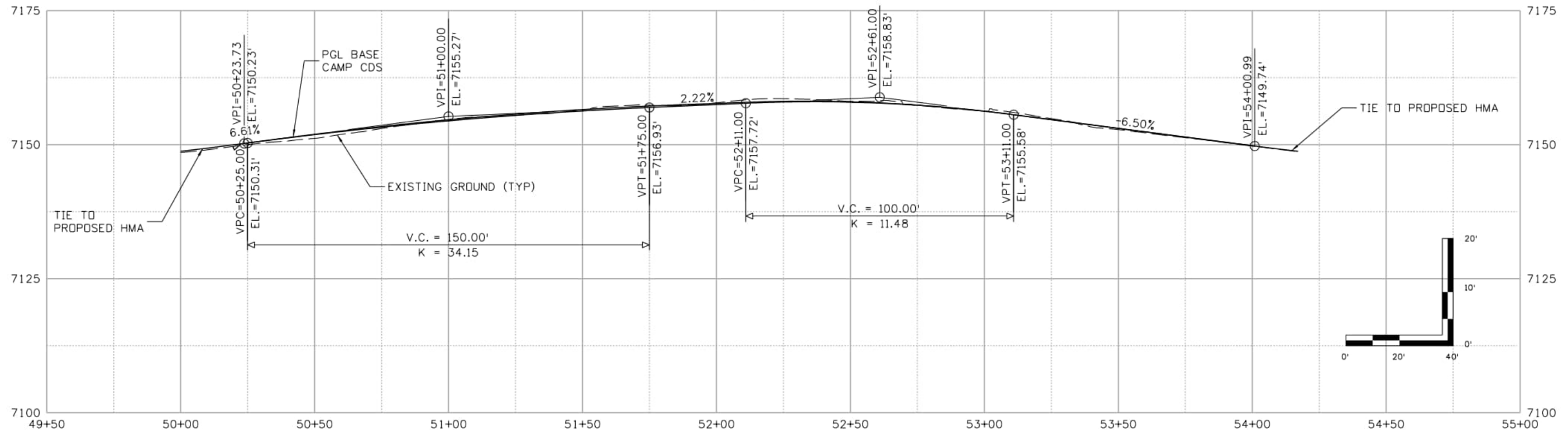
DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
ROADWAY PROFILE MICROSCOPE WAY	PROFILE 9 of 9 Sheet Number 045



	A	B	C
PI	50+59.68	N/A	53+64.65
N:	465226.46	N/A	465223.91
E:	182067.96	N/A	182090.04
Δ:	40° 33' 20" LT	Δ: 264° 28' 57" RT	Δ: 43° 55' 37" LT
R:	100.00'	R: 50.00'	R: 100.00'
L:	70.78'	L: 230.80'	L: 76.67'
T:	36.95'	T: -1.00'	T: 40.33'
D:	57° 17' 45"	D: 114° 35' 30"	D: 57° 17' 45"



BASE CAMP CUL-DE-SAC



Computer File Information

Print Date: 1/30/2026
File Name: CDS_Detail_01
Last Modification Date: 1/30/2026
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11x17 Scale: 1" = 40' Units: Survey Feet

Index of Revisions

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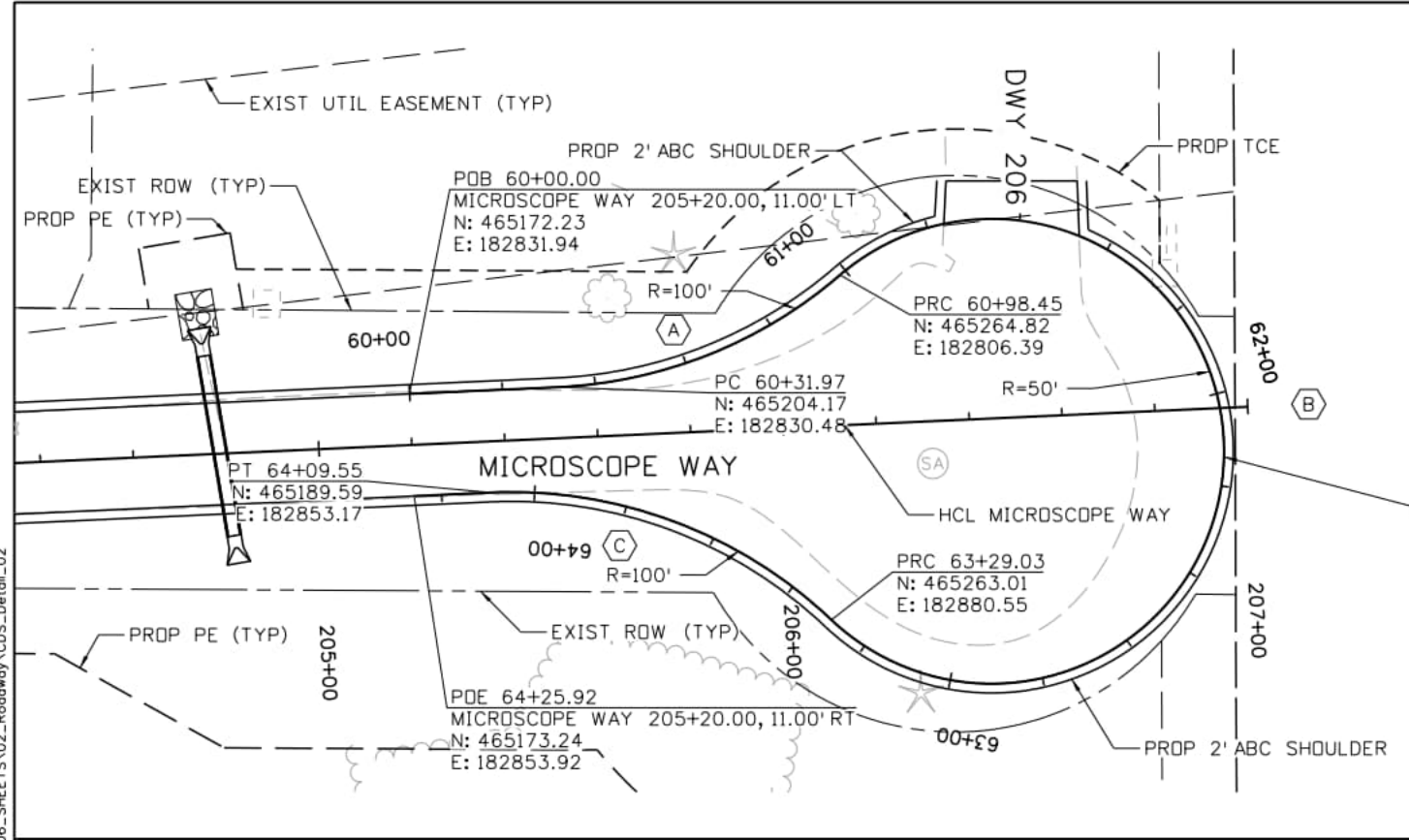


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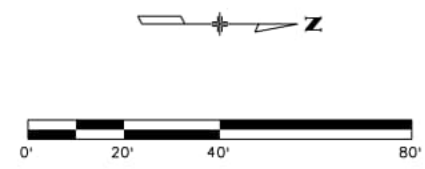
DEER CREEK ROAD INTERSECTION IMPROVEMENTS

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BASE CAMP CUL-DE-SAC	Sheet Number	046		

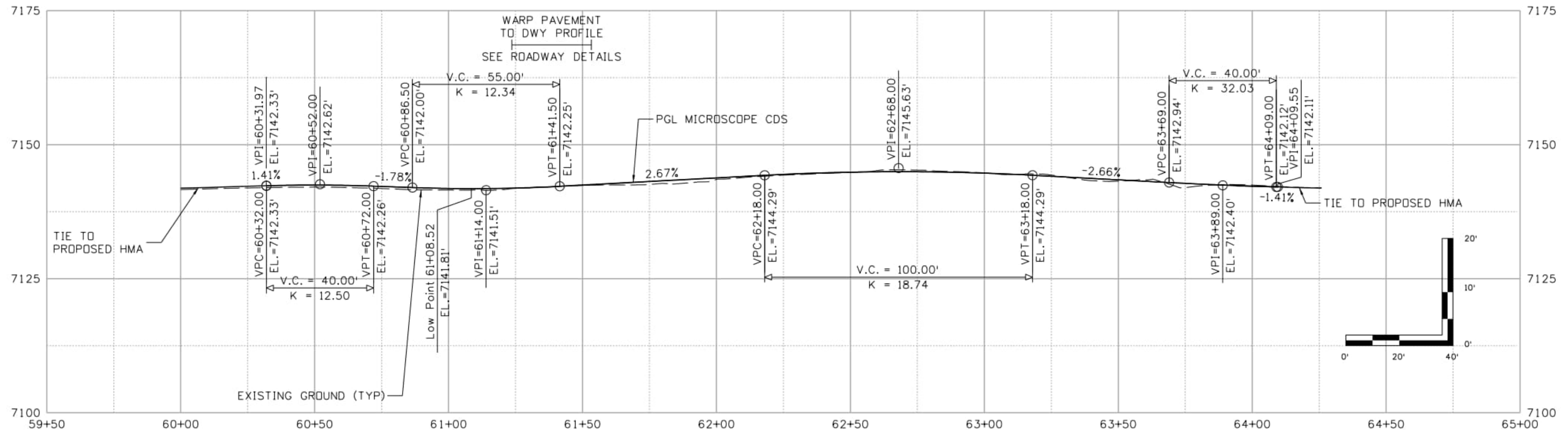
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A	B	C
PI 60+66.49	PI N/A	PI 63+71.62
N: 465238.66	N: N/A	N: 465232.13
E: 182828.91	E: N/A	E: 182851.23
Δ: 38° 05' 34" LT	Δ: 264° 13' 33" RT	Δ: 46° 07' 59" LT
R: 100.00'	R: 50.00'	R: 100.00'
L: 66.48'	L: 230.58'	L: 80.52'
T: 34.52'	T: -1.00'	T: 42.58'
D: 57° 17' 45"	D: 114° 35' 30"	D: 57° 17' 45"



MICROSCOPE CUL-DE-SAC



Computer File Information

Print Date: 2/19/2026
File Name: CDS_Detail_02
Last Modification Date: 2/19/2026
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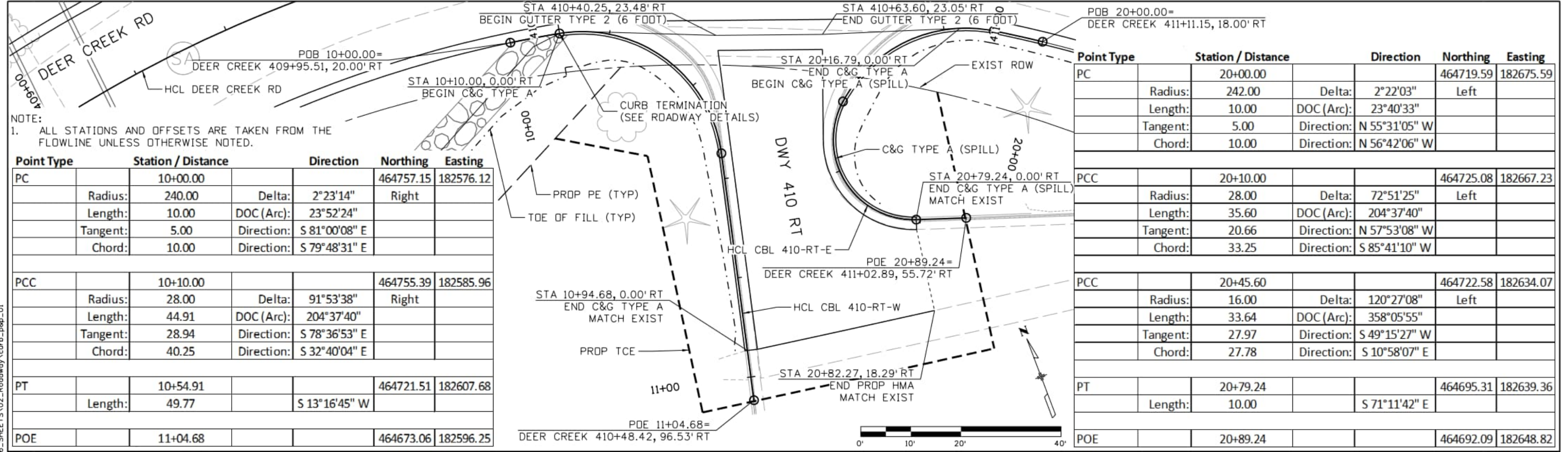


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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

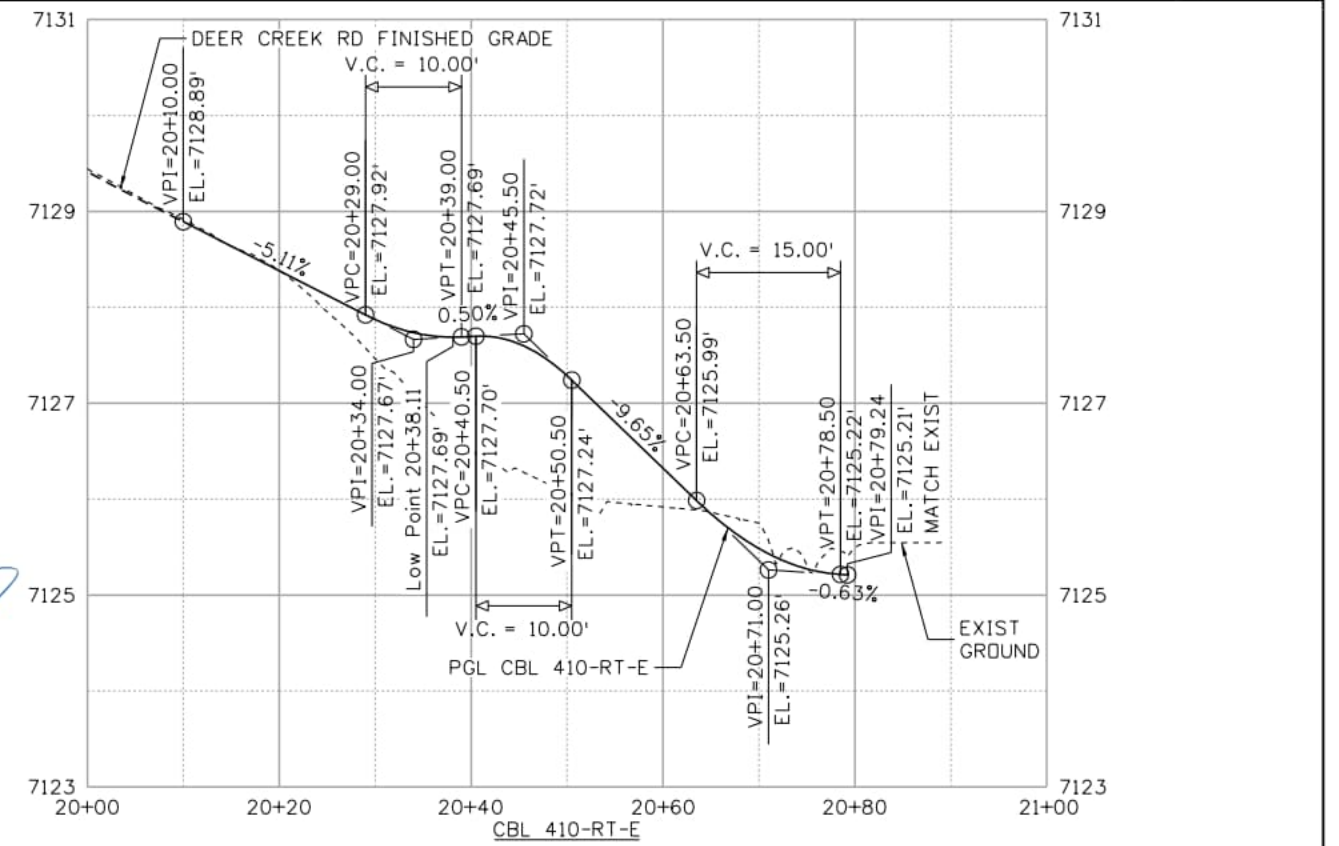
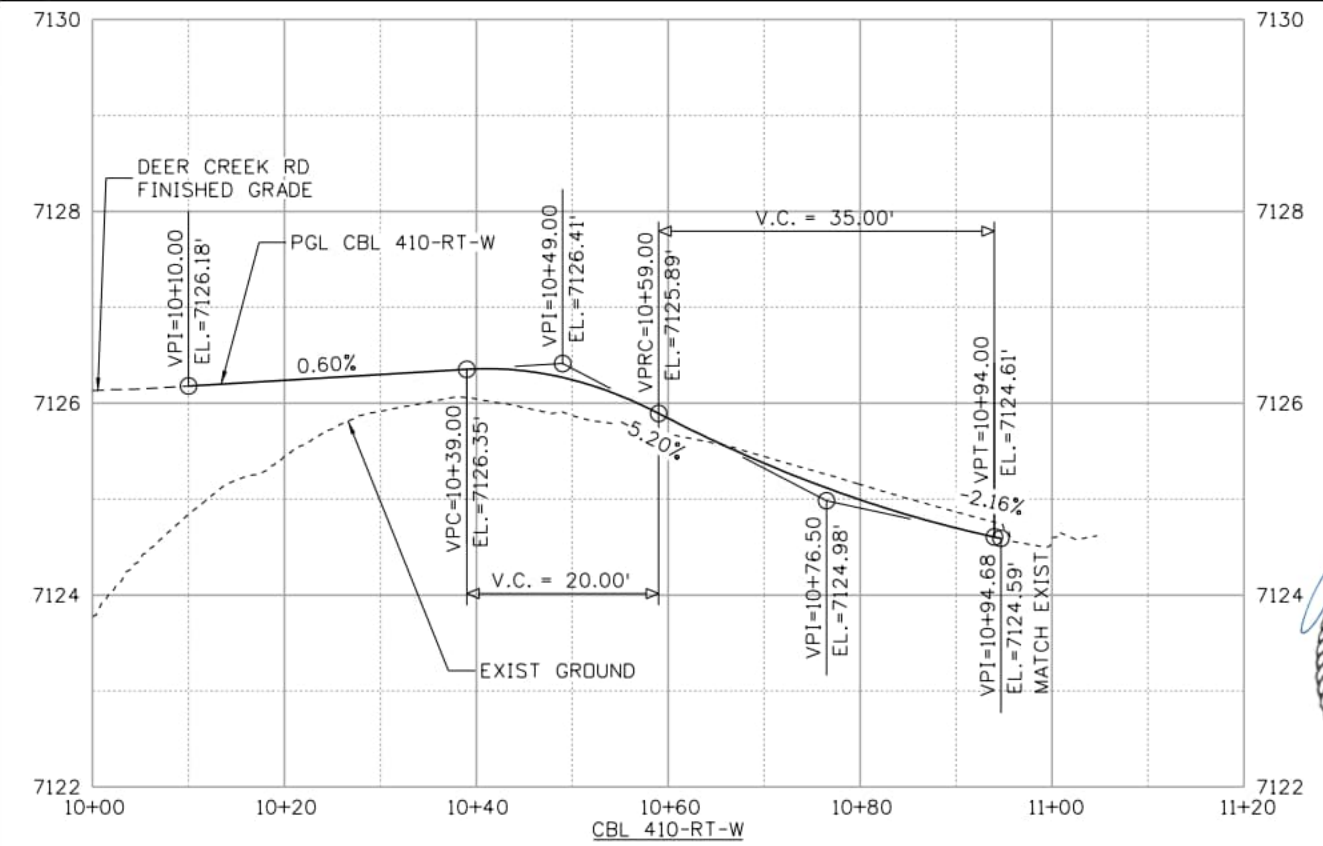
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MICROSCOPE CUL-DE-SAC	Sheet Number	047		

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PC	10+00.00		464757.15	182576.12
Radius:	240.00	Delta: 2°23'14"	Right	
Length:	10.00	DOC (Arc): 23°52'24"		
Tangent:	5.00	Direction: S 81°00'08" E		
Chord:	10.00	Direction: S 79°48'31" E		
PCC	10+10.00		464755.39	182585.96
Radius:	28.00	Delta: 91°53'38"	Right	
Length:	44.91	DOC (Arc): 204°37'40"		
Tangent:	28.94	Direction: S 78°36'53" E		
Chord:	40.25	Direction: S 32°40'04" E		
PT	10+54.91		464721.51	182607.68
Length:	49.77	S 13°16'45" W		
POE	11+04.68		464673.06	182596.25

Point Type	Station / Distance	Direction	Northing	Easting
PC	20+00.00		464719.59	182675.59
Radius:	242.00	Delta: 2°22'03"	Left	
Length:	10.00	DOC (Arc): 23°40'33"		
Tangent:	5.00	Direction: N 55°31'05" W		
Chord:	10.00	Direction: N 56°42'06" W		
PCC	20+10.00		464725.08	182667.23
Radius:	28.00	Delta: 72°51'25"	Left	
Length:	35.60	DOC (Arc): 204°37'40"		
Tangent:	20.66	Direction: N 57°53'08" W		
Chord:	33.25	Direction: S 85°41'10" W		
PCC	20+45.60		464722.58	182634.07
Radius:	16.00	Delta: 120°27'08"	Left	
Length:	33.64	DOC (Arc): 358°05'55"		
Tangent:	27.97	Direction: S 49°15'27" W		
Chord:	27.78	Direction: S 10°58'07" E		
PT	20+79.24		464695.31	182639.36
Length:	10.00	S 71°11'42" E		
POE	20+89.24		464692.09	182648.82



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File Name:	curb_p&p_01
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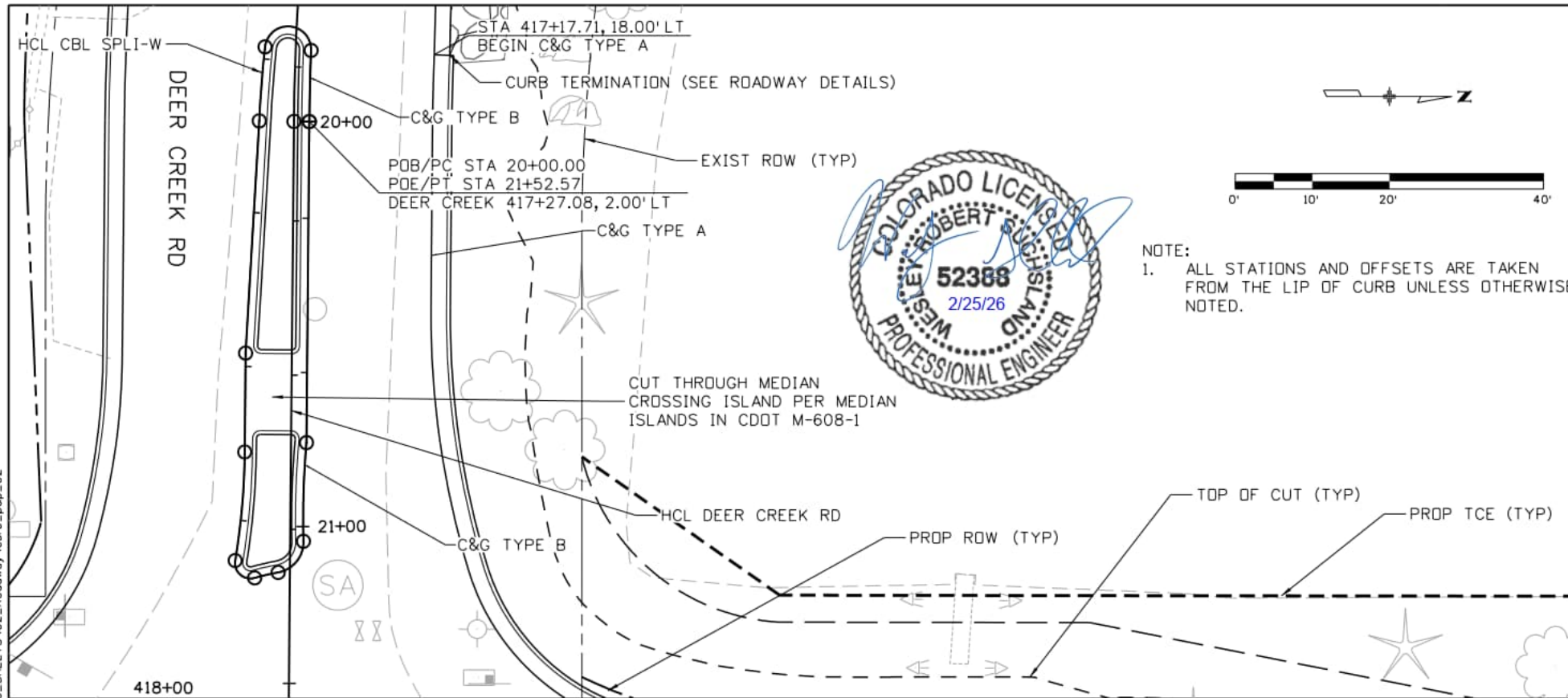
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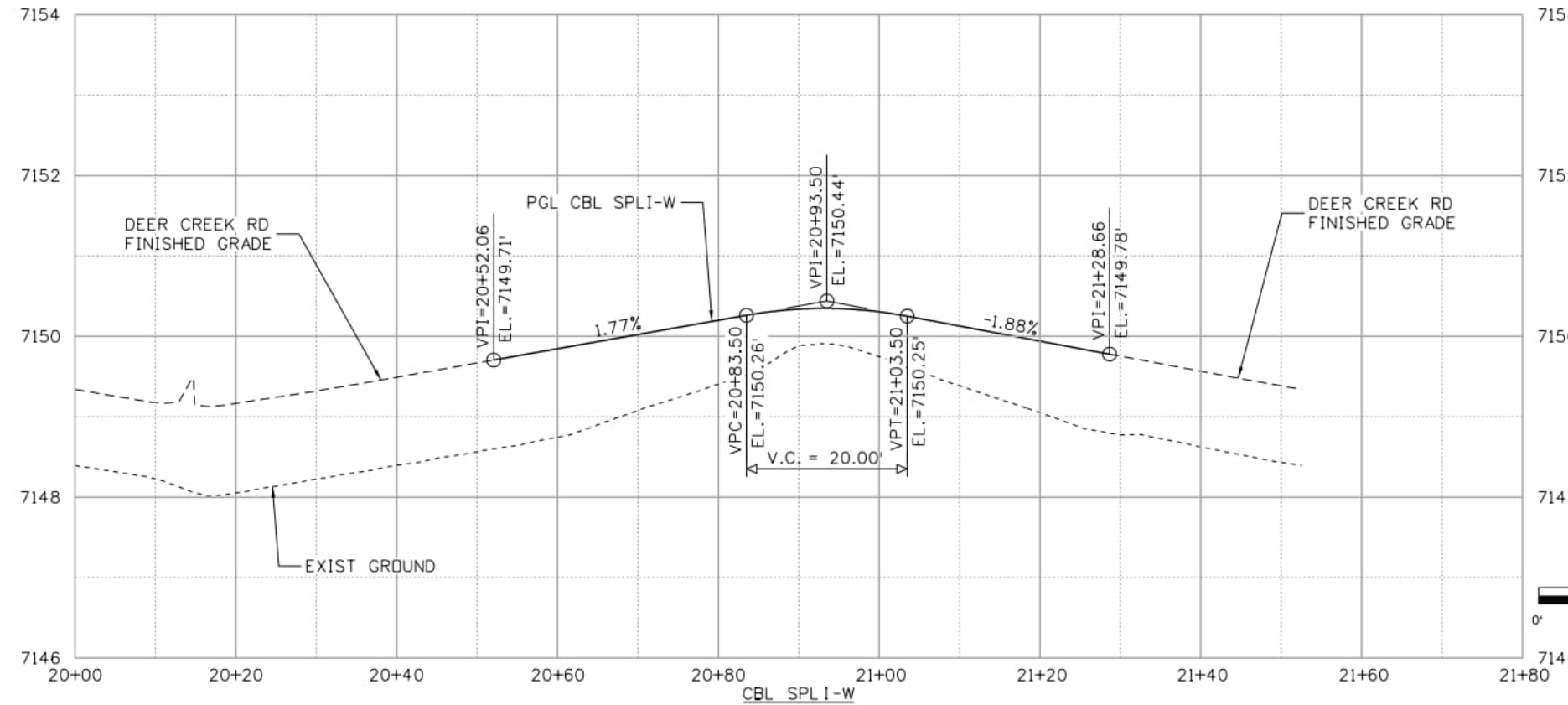
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 2315 Briargate Pkwy #150
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS
 CURBLINE PLAN AND PROFILE
 CBL 410-RT-E AND CBL 410-RT-W
 Sheet Number **048**

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Point Type	Station / Distance	Direction	Northing	Easting
PC	20+00.00		464396.13	183183.18
	Radius: 298.00	Delta: 1°46'35"	Right	
	Length: 9.24	DOC (Arc): 19°13'36"		
	Tangent: 4.62	Direction: N 89°29'17" W		
	Chord: 9.24	Direction: N 88°35'59" W		
PRC	20+09.24		464396.36	183173.95
	Radius: 3.00	Delta: 175°53'49"	Left	
	Length: 9.21	DOC (Arc): 1909°51'34"		
	Tangent: 83.75	Direction: N 87°42'42" W		
	Chord: 6.00	Direction: S 4°20'23" W		
PCC	20+18.45		464390.38	183173.49
	Radius: 141.53	Delta: 3°53'52"	Left	
	Length: 9.63	DOC (Arc): 40°29'01"		
	Tangent: 4.82	Direction: S 83°36'31" E		
	Chord: 9.63	Direction: S 85°33'27" E		
PT	20+28.08		464389.63	183183.09
	Length: 30.19	S 86°38'21" E		
PT	20+58.27		464387.86	183213.23
	Length: 12.83	S 89°29'17" E		
PC	20+71.10		464387.75	183226.06
	Radius: 90.00	Delta: 9°00'43"	Right	
	Length: 14.16	DOC (Arc): 63°39'43"		
	Tangent: 7.09	Direction: S 89°29'17" E		
	Chord: 14.14	Direction: S 84°58'55" E		
PRC	20+85.26		464386.51	183240.15
	Radius: 2.00	Delta: 115°24'00"	Left	
	Length: 4.03	DOC (Arc): 2864°47'20"		
	Tangent: 3.16	Direction: S 80°28'34" E		
	Chord: 3.38	Direction: N 41°49'26" E		
PRC	20+89.28		464389.03	183242.40
	Radius: 32.04	Delta: 5°36'27"	Right	
	Length: 3.14	DOC (Arc): 178°50'42"		
	Tangent: 1.57	Direction: N 15°52'33" W		
	Chord: 3.13	Direction: N 13°04'20" W		
PRC	20+92.42		464392.09	183241.69
	Radius: 4.00	Delta: 81°19'48"	Left	
	Length: 5.68	DOC (Arc): 1432°23'40"		
	Tangent: 3.44	Direction: N 10°16'06" W		
	Chord: 5.21	Direction: N 50°56'00" W		
PRC	20+98.10		464395.37	183237.64
	Radius: 109.80	Delta: 6°41'17"	Right	
	Length: 12.82	DOC (Arc): 52°10'47"		
	Tangent: 6.42	Direction: S 88°24'06" W		
	Chord: 12.81	Direction: N 88°15'15" W		
PT	21+10.91		464395.76	183224.84
	Length: 41.66	N 89°29'17" W		
POE	21+52.57		464396.13	183183.18



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Last Modification Date: 2/19/2026	
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11x17 Scale: 1" = 20'	Units: Survey Feet

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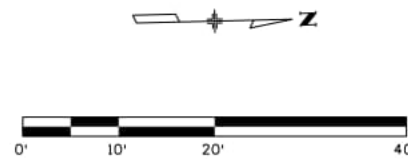
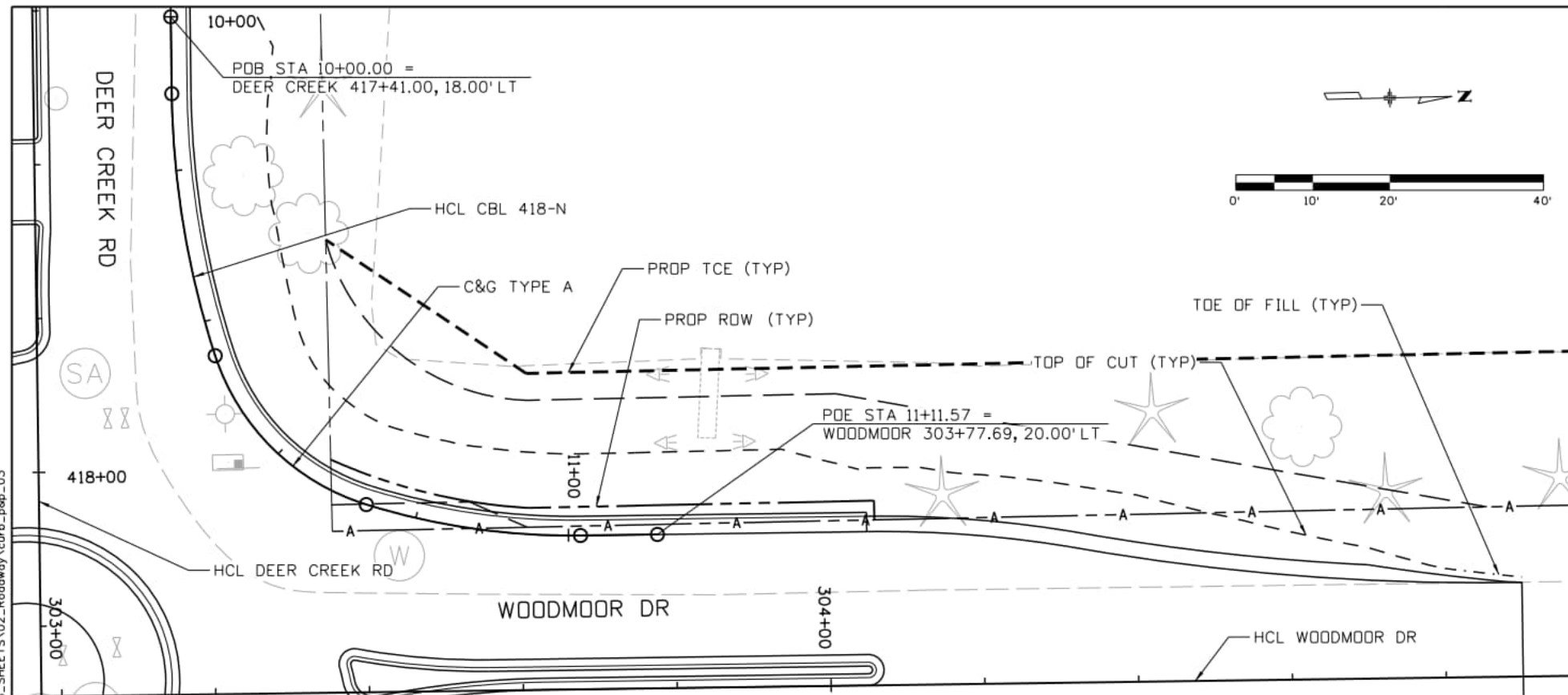
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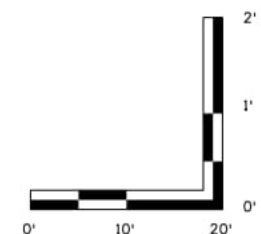
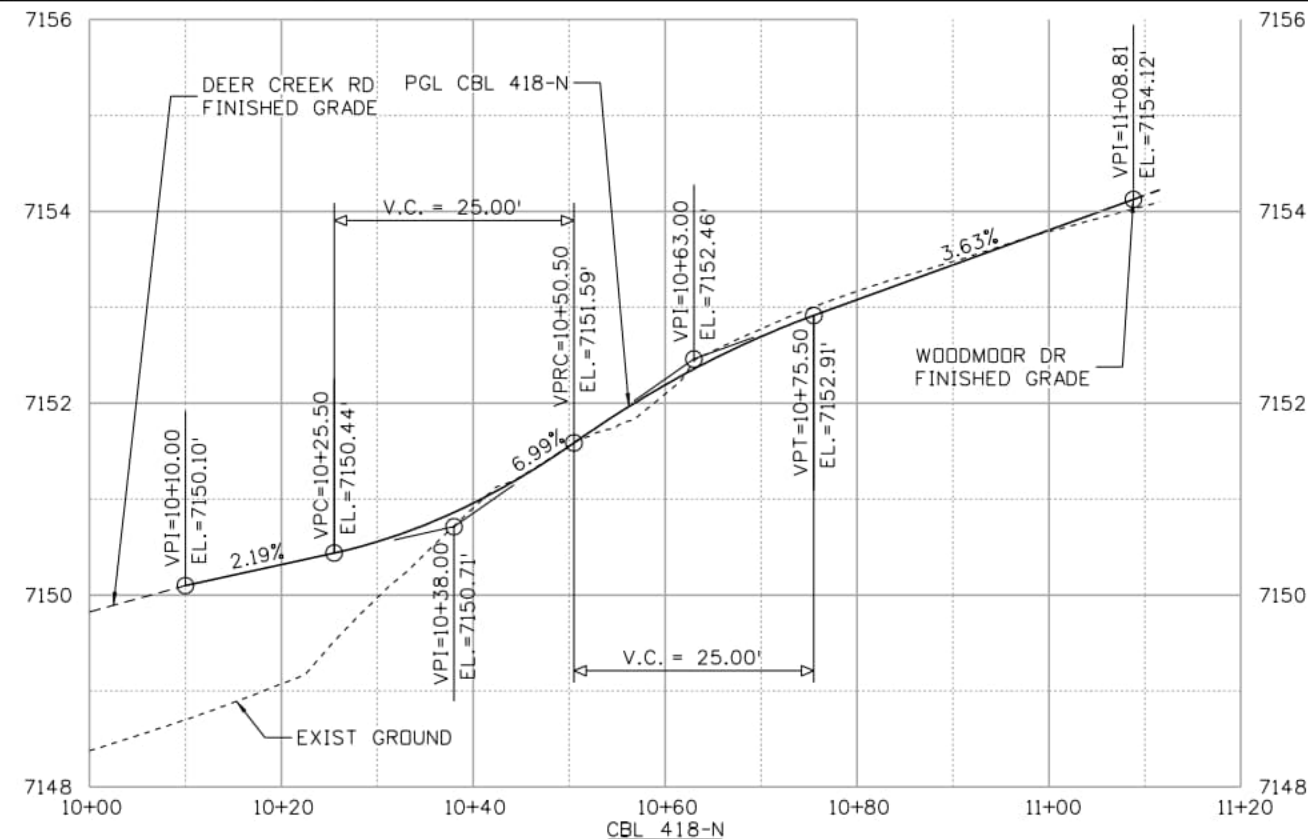
DEER CREEK ROAD INTERSECTION IMPROVEMENTS
 CURBLINE PLAN AND PROFILE
 CBL SPLI-W

CBL P&P 2 of 15
 Sheet Number **049**



Point Type	Station / Distance	Direction	Northing	Easting
POB	10+00.00		464412.01	183197.25
	Length: 10.00	S 89°29'17" E		
PC	10+10.00		464411.92	183207.25
	Radius: 115.00	Delta: 17°15'46" Left		
	Length: 34.65	DOC (Arc): 49°49'21"		
	Tangent: 17.46	Direction: S 89°29'17" E		
	Chord: 34.52	Direction: N 81°52'50" E		
PCC	10+44.65		464416.79	183241.42
	Radius: 30.00	Delta: 54°44'49" Left		
	Length: 28.67	DOC (Arc): 190°59'09"		
	Tangent: 15.53	Direction: N 73°14'57" E		
	Chord: 27.59	Direction: N 45°52'32" E		
PCC	10+73.31		464436.00	183261.22
	Radius: 90.00	Delta: 17°59'25" Left		
	Length: 28.26	DOC (Arc): 63°39'43"		
	Tangent: 14.25	Direction: N 18°30'08" E		
	Chord: 28.14	Direction: N 9°30'25" E		
PT	11+01.57		464463.76	183265.87
	Length: 10.00	N 0°30'43" E		
POE	11+11.57		464473.76	183265.96

NOTE:
1. ALL STATIONS AND OFFSETS ARE TAKEN FROM THE LIP OF CURB UNLESS OTHERWISE NOTED.



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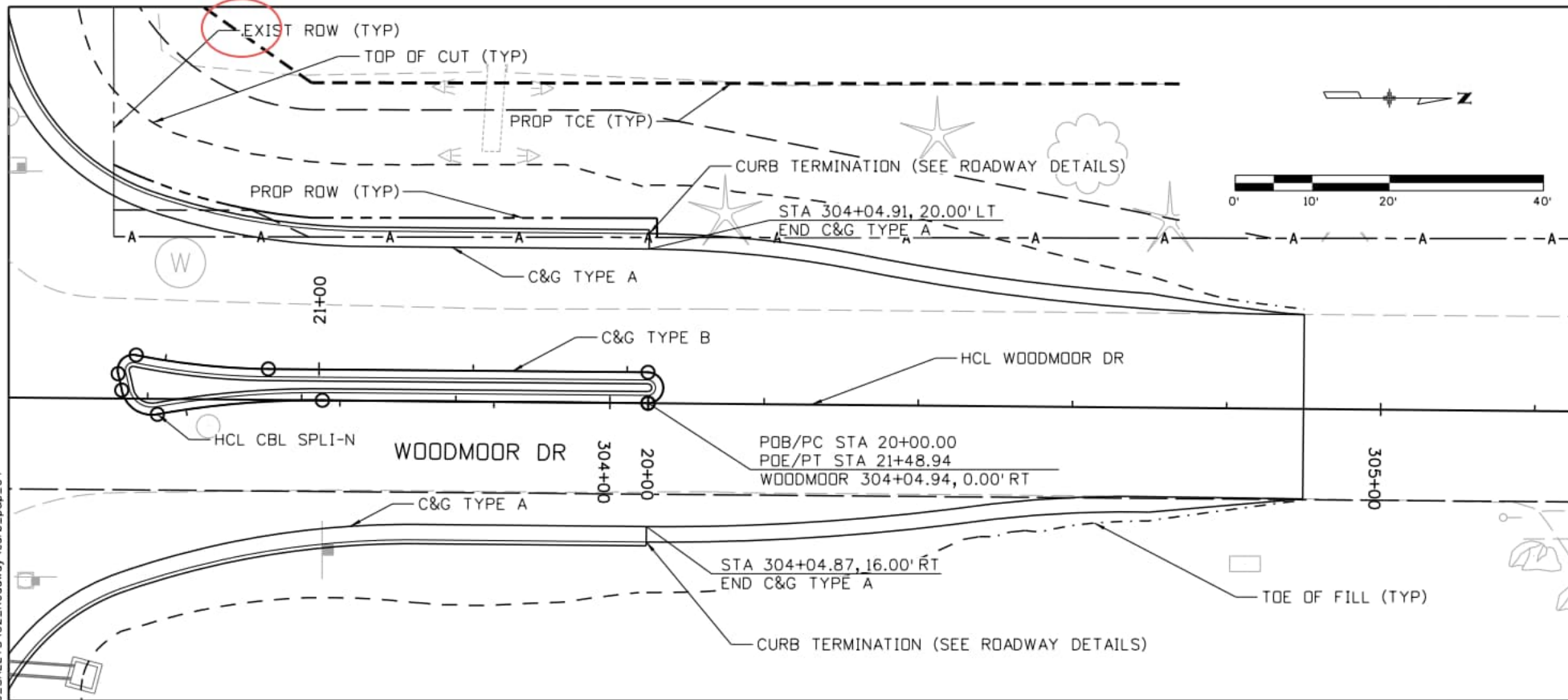
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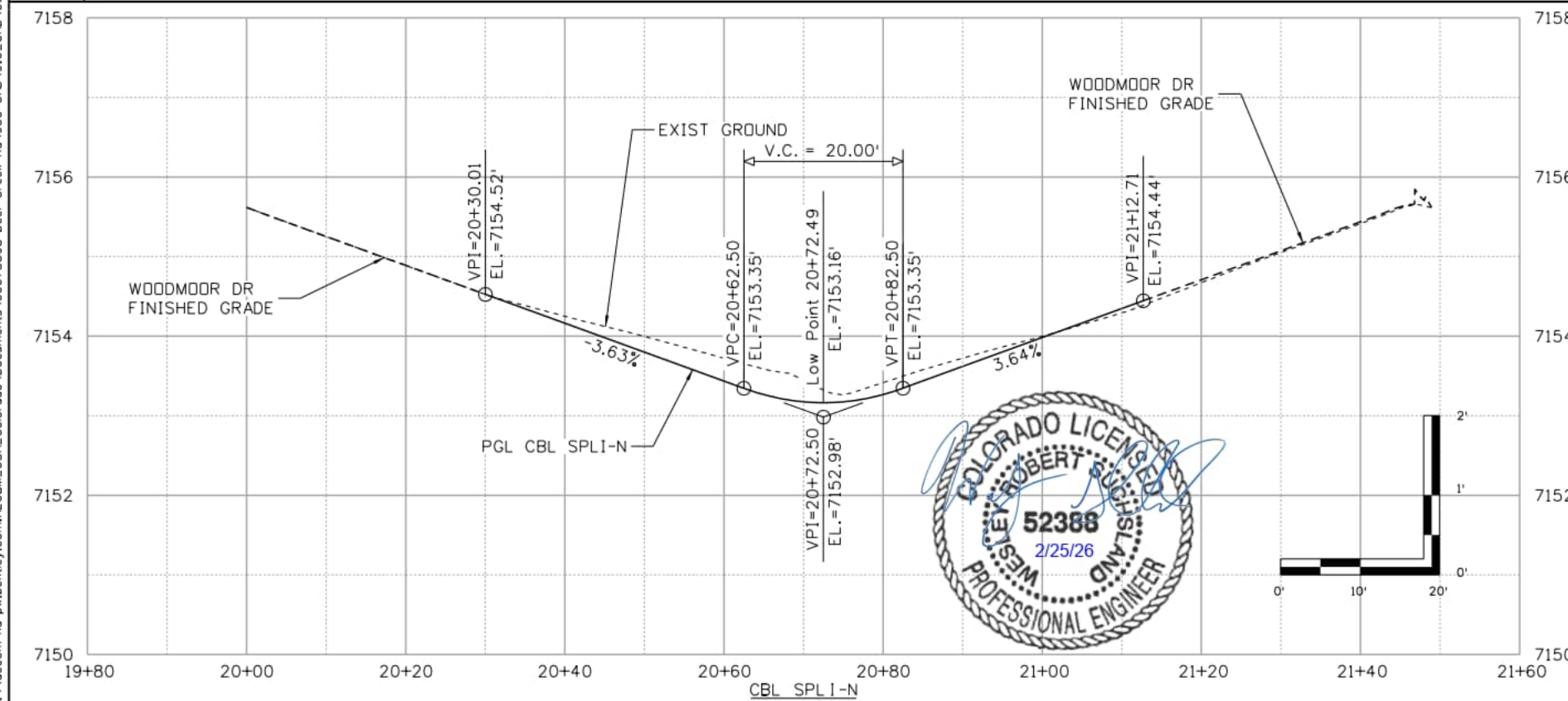
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CURBLINE PLAN AND PROFILE CBL 418-N	CBL P&P 3 of 15 Sheet Number 050



Point Type	Station / Distance	Direction	Northing	Easting
PT	20+00.00		464500.83	183286.20
	Length: 42.26	S 0°30'43" W		
PC	20+42.26		464458.57	183285.82
	Radius: 115.00	Delta: 10°43'10" Left		
	Length: 21.52	DOC (Arc): 49°49'21"		
	Tangent: 10.79	Direction: S 0°30'43" W		
	Chord: 21.48	Direction: S 4°50'52" E		
PRC	20+63.77		464437.16	183287.64
	Radius: 4.00	Delta: 88°36'28" Right		
	Length: 6.19	DOC (Arc): 1432°23'40"		
	Tangent: 3.90	Direction: S 10°12'27" E		
	Chord: 5.59	Direction: S 34°05'46" W		
PRC	20+69.96		464432.53	183284.51
	Radius: 74.48	Delta: 1°40'44" Left		
	Length: 2.18	DOC (Arc): 76°55'40"		
	Tangent: 1.09	Direction: S 78°24'00" W		
	Chord: 2.18	Direction: S 77°33'38" W		
PRC	20+72.14		464432.06	183282.38
	Radius: 2.00	Delta: 114°46'57" Right		
	Length: 4.01	DOC (Arc): 2864°47'20"		
	Tangent: 3.13	Direction: S 76°43'16" W		
	Chord: 3.37	Direction: N 45°53'15" W		
PRC	20+76.15		464434.41	183279.96
	Radius: 90.00	Delta: 10°59'30" Left		
	Length: 17.27	DOC (Arc): 63°39'43"		
	Tangent: 8.66	Direction: N 11°30'13" E		
	Chord: 17.24	Direction: N 6°00'28" E		
PT	20+93.42		464451.55	183281.76
	Length: 49.28	N 0°30'43" E		
PC	21+42.69		464500.83	183282.20
	Radius: 2.00	Delta: 179°01'01" Right		
	Length: 6.25	DOC (Arc): 2864°34'41"		
	Tangent: 233.13	Direction: N 0°30'43" E		
	Chord: 4.00	Direction: S 89°58'47" E		
POE	21+48.94		464500.83	183286.20

NOTE:
1. ALL STATIONS AND OFFSETS ARE TAKEN FROM THE LIP OF CURB UNLESS OTHERWISE NOTED.



Computer File Information	
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Last Modification Date: 2/19/2026	
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Checker: CFC	
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Date:	Comments	Init.

EI Paso County
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3275 Akers Dr
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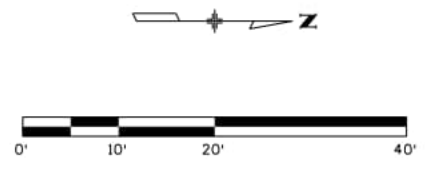
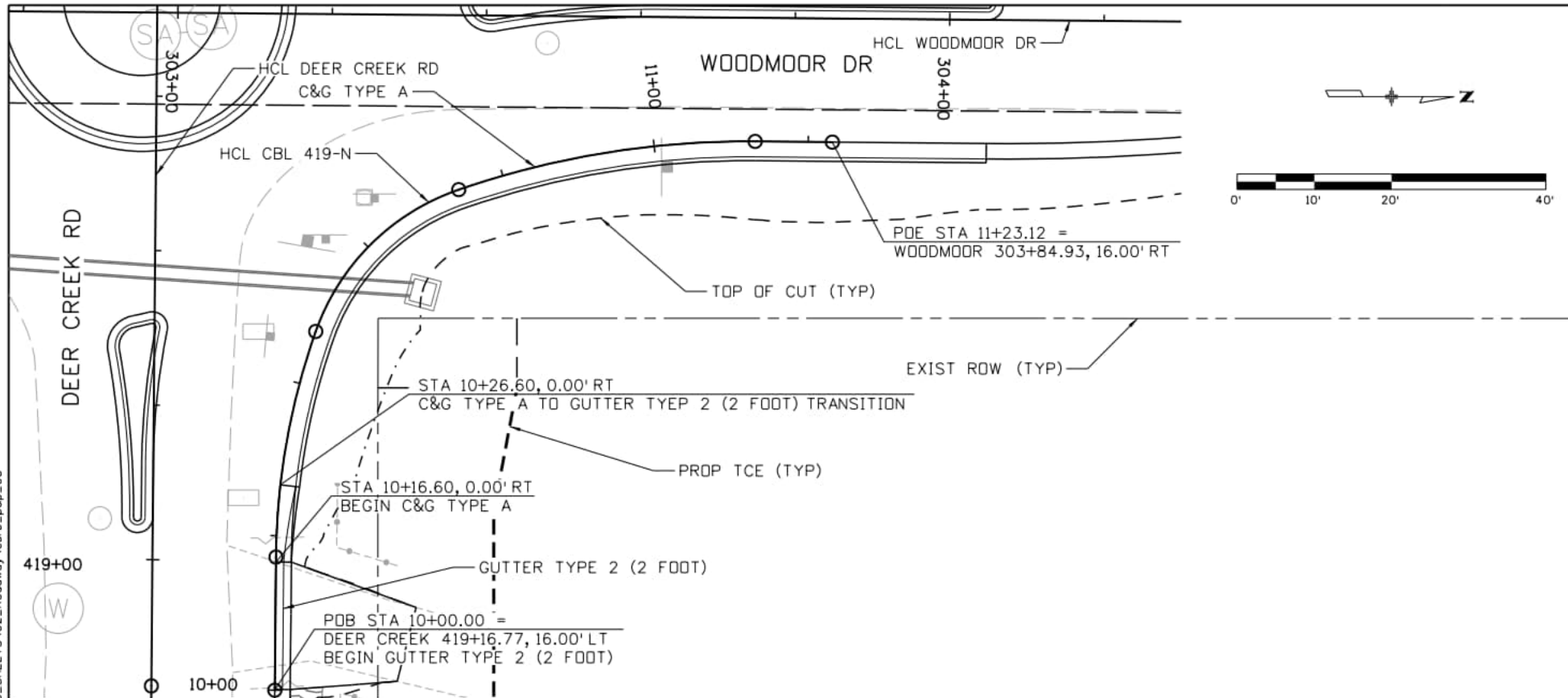


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AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CURBLINE PLAN AND PROFILE CBL SPLI-N	CBL P&P 4 of 15 Sheet Number 051

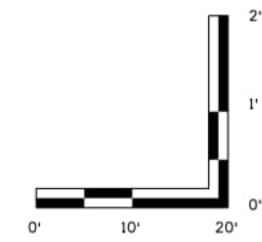
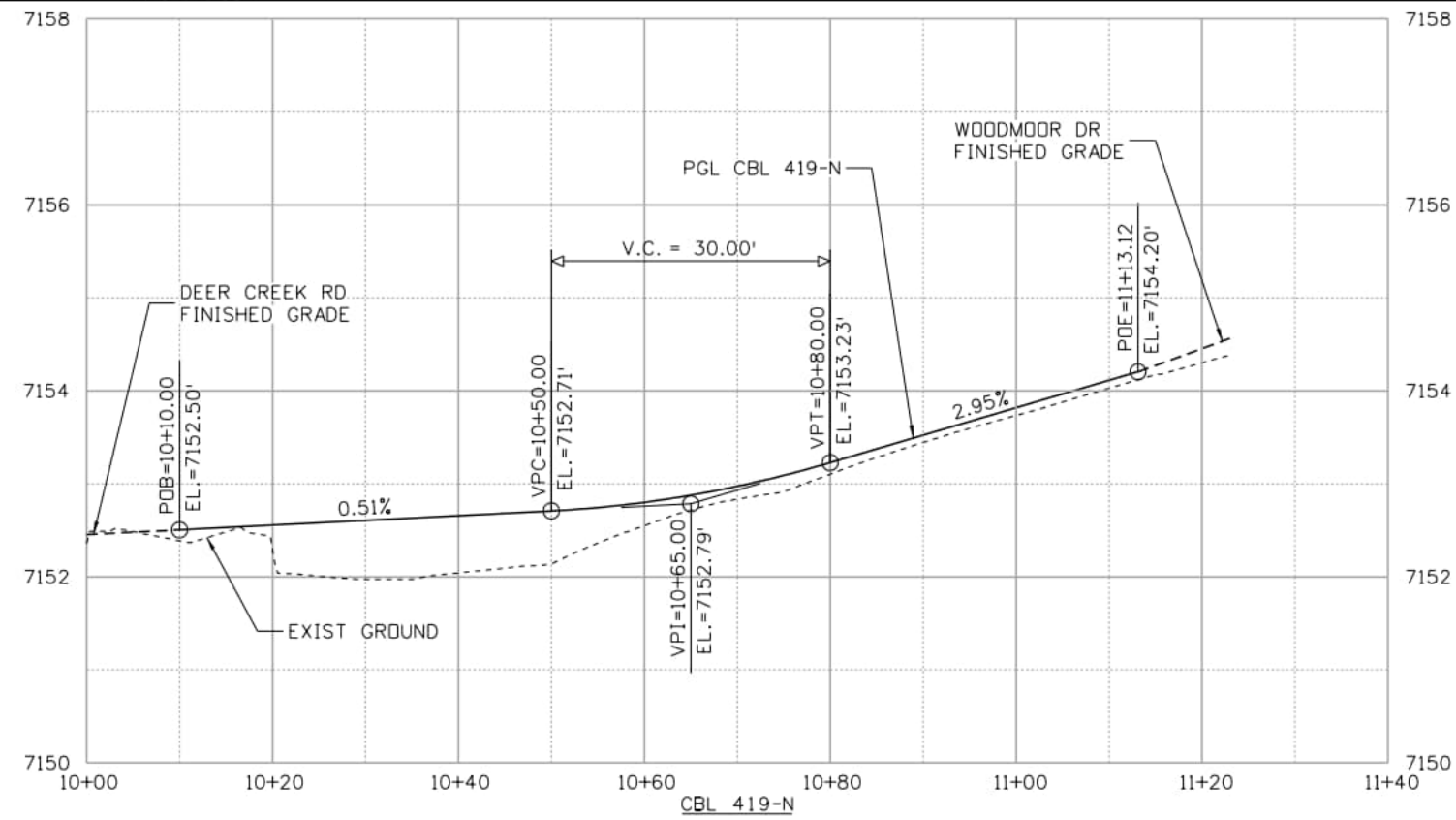
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Point Type	Station / Distance	Direction	Northing	Easting
POB	10+00.00		464408.44	183372.98
	Length: 17.24	N 89°29'17" W		
PC	10+17.24		464408.59	183355.74
	Radius: 90.00	Delta: 18°57'39" Right		
	Length: 29.78	DOC (Arc): 63°39'43"		
	Tangent: 15.03	Direction: N 89°29'17" W		
	Chord: 29.65	Direction: N 80°00'27" W		
PCC	10+47.02		464413.74	183326.54
	Radius: 30.00	Delta: 51°33'38" Right		
	Length: 27.00	DOC (Arc): 190°59'09"		
	Tangent: 14.49	Direction: N 70°31'38" W		
	Chord: 26.10	Direction: N 44°44'49" W		
PCC	10+74.02		464432.27	183308.17
	Radius: 115.00	Delta: 19°28'42" Right		
	Length: 39.10	DOC (Arc): 49°49'21"		
	Tangent: 19.74	Direction: N 18°57'59" W		
	Chord: 38.91	Direction: N 9°13'38" W		
PT	11+13.12		464470.67	183301.93
	Length: 10.00	N 0°30'43" E		
POE	11+23.12		464480.67	183302.02

NOTE:
 1. ALL STATIONS AND OFFSETS ARE TAKEN FROM THE LIP OF CURB UNLESS OTHERWISE NOTED.



Computer File Information	
Print Date: 2/19/2026	
File Name: curb_p&p_05	
Last Modification Date: 2/19/2026	
Designer: CFC	Detailer: JJB
Checker: CFC	
11x17 Scale: 1" = 20'	Units: Survey Feet

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Date:	Comments	Init.

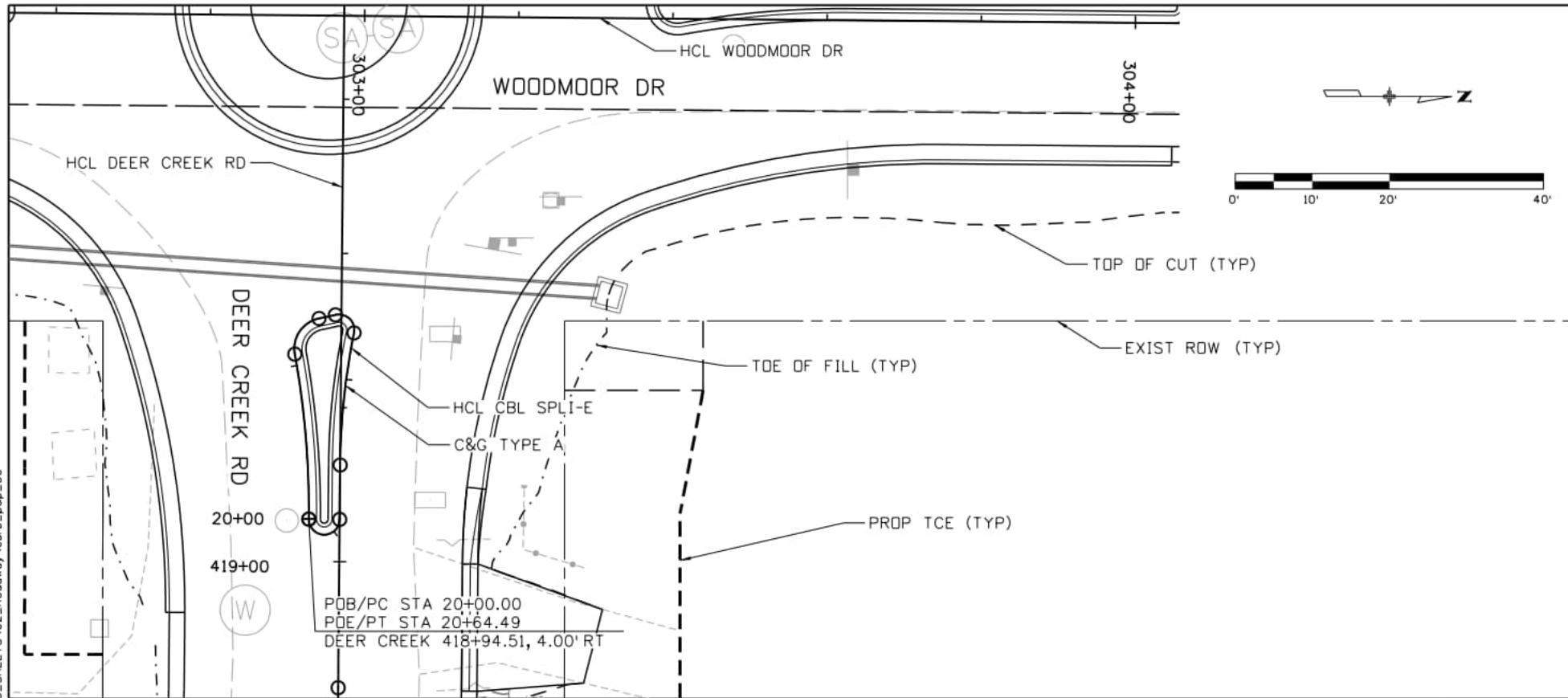
El Paso County
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 3275 Akers Dr
 Phone: 719-520-6460
 Fax: 719-520-6879



AECOM
 2315 Briargate Pkwy #150
 Colorado Springs, CO 80920
 Phone: 719-531-0001
 Fax: 719-531-0007
 AECOM #60673398

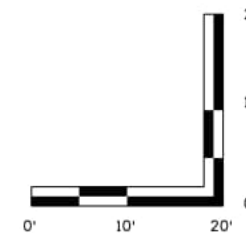
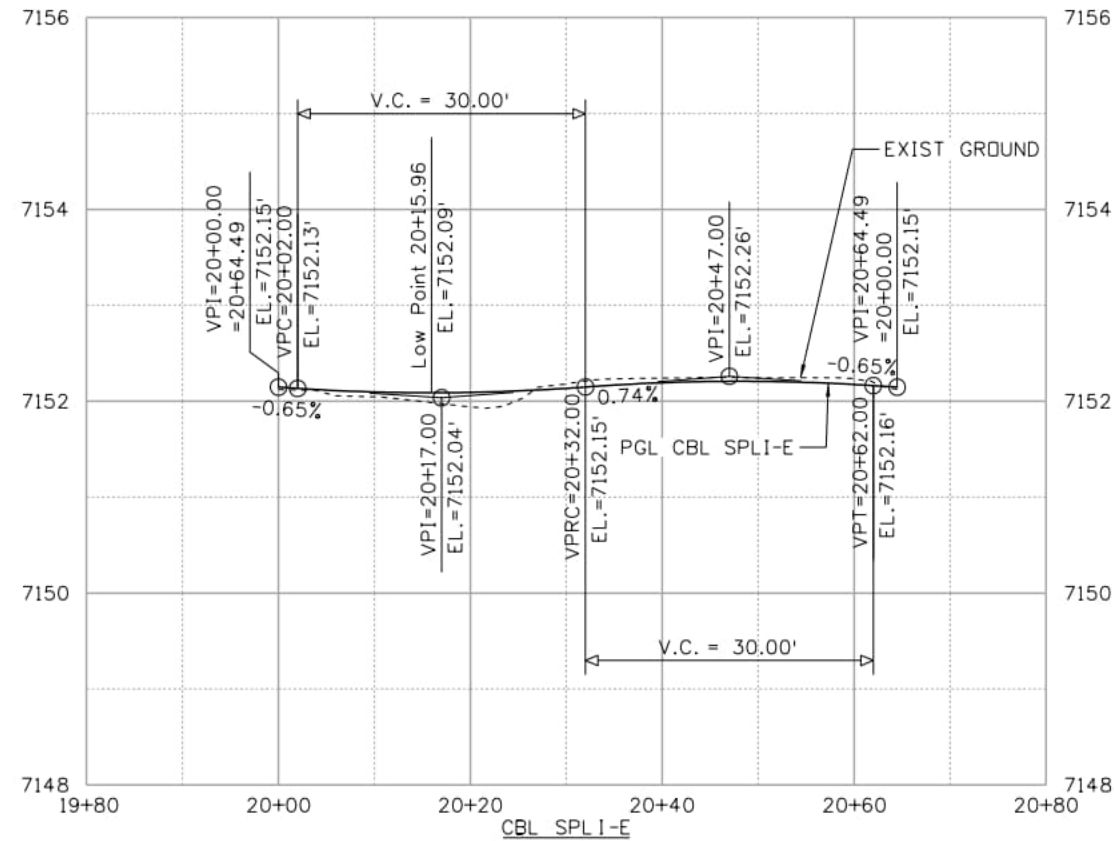
DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CURBLINE PLAN AND PROFILE	CBL P&P 5 of 15
CBL 419-N	Sheet Number 052

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Point Type	Station / Distance	Direction	Northing	Easting
PC	20+00.00		464388.61	183350.55
	Radius: 115.00	Delta: 10°43'10" Left		
	Length: 21.52	DOC (Arc): 49°49'21"		
	Tangent: 10.79	Direction: N 89°29'17" W		
	Chord: 21.48	Direction: S 85°09'08" W		
PRC	20+21.52		464386.82	183329.15
	Radius: 4.00	Delta: 88°36'28" Right		
	Length: 6.19	DOC (Arc): 1432°23'40"		
	Tangent: 3.90	Direction: S 79°47'33" W		
	Chord: 5.59	Direction: N 55°54'14" W		
PRC	20+27.70		464389.95	183324.52
	Radius: 74.48	Delta: 1°40'44" Left		
	Length: 2.18	DOC (Arc): 76°55'40"		
	Tangent: 1.09	Direction: N 11°36'00" W		
	Chord: 2.18	Direction: N 12°26'22" W		
PRC	20+29.88		464392.09	183324.05
	Radius: 2.00	Delta: 114°46'57" Right		
	Length: 4.01	DOC (Arc): 2864°47'20"		
	Tangent: 3.13	Direction: N 13°16'44" W		
	Chord: 3.37	Direction: N 44°06'45" E		
PRC	20+33.89		464394.50	183326.39
	Radius: 90.00	Delta: 10°59'30" Left		
	Length: 17.27	DOC (Arc): 63°39'43"		
	Tangent: 8.66	Direction: S 78°29'47" E		
	Chord: 17.24	Direction: S 83°59'32" E		
PT	20+51.16		464392.70	183343.54
	Length: 7.05	Direction: S 89°29'17" E		
PC	20+58.21		464392.64	183350.59
	Radius: 2.00	Delta: 180°00'00" Right		
	Length: 6.28	DOC (Arc): 2864°47'20"		
	Tangent: -1.00	Direction: S 89°29'17" E		
	Chord: 4.00	Direction: S 0°30'43" W		
POE	20+64.49		464388.64	183350.55

NOTE:
 1. ALL STATIONS AND OFFSETS ARE TAKEN FROM THE LIP OF CURB UNLESS OTHERWISE NOTED.



Computer File Information	
Print Date: 2/19/2026	
File Name: curb_p&p_06	
Last Modification Date: 2/19/2026	
Designer: CFC	Detailer: JJB
Checker: CFC	
11x17 Scale: 1" = 20'	Units: Survey Feet

Index of Revisions		
Date:	Comments	Init.

El Paso County
 Department of Public Works
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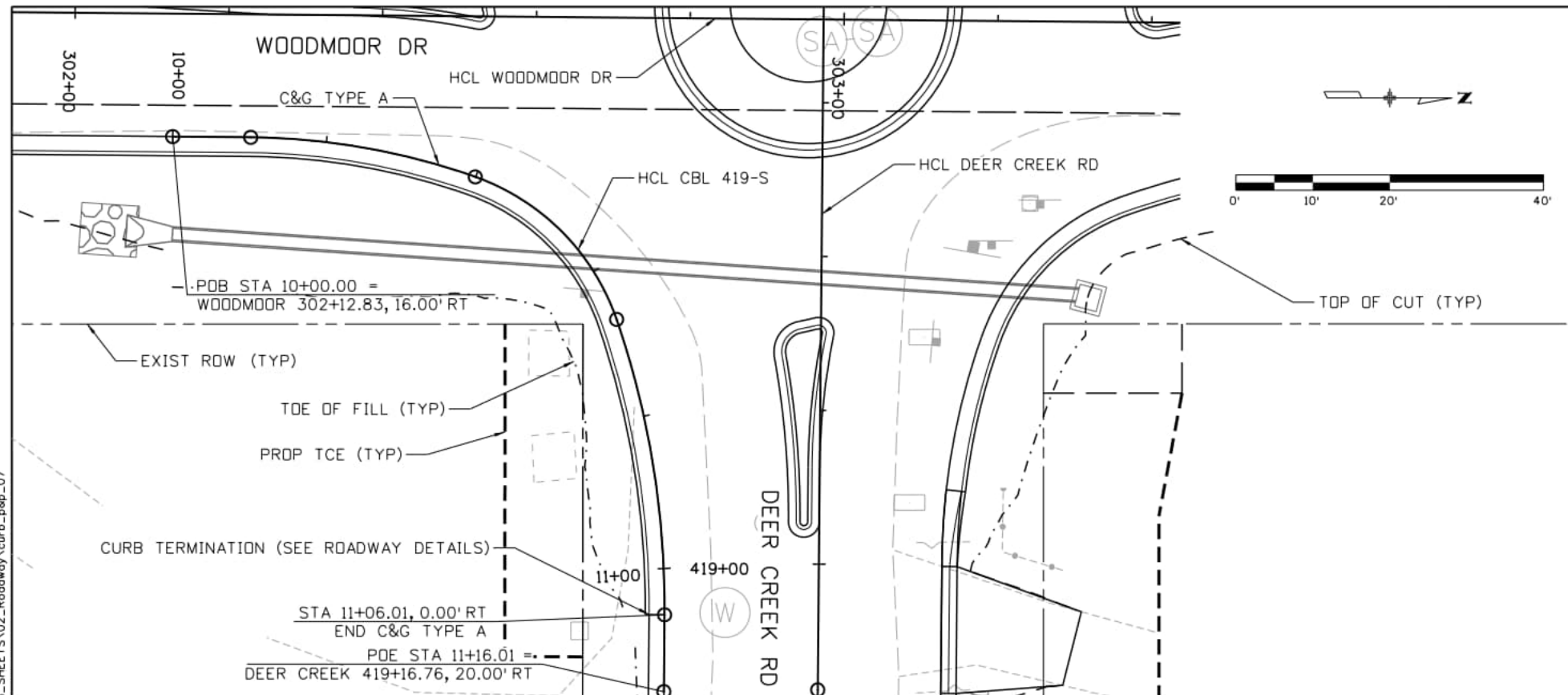

 2315 Briargate Pkwy #150
 Colorado Springs, CO 80920
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 Fax: 719-531-0007
 AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS

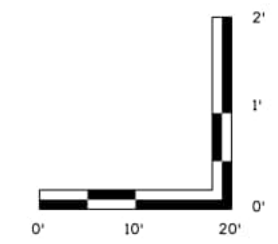
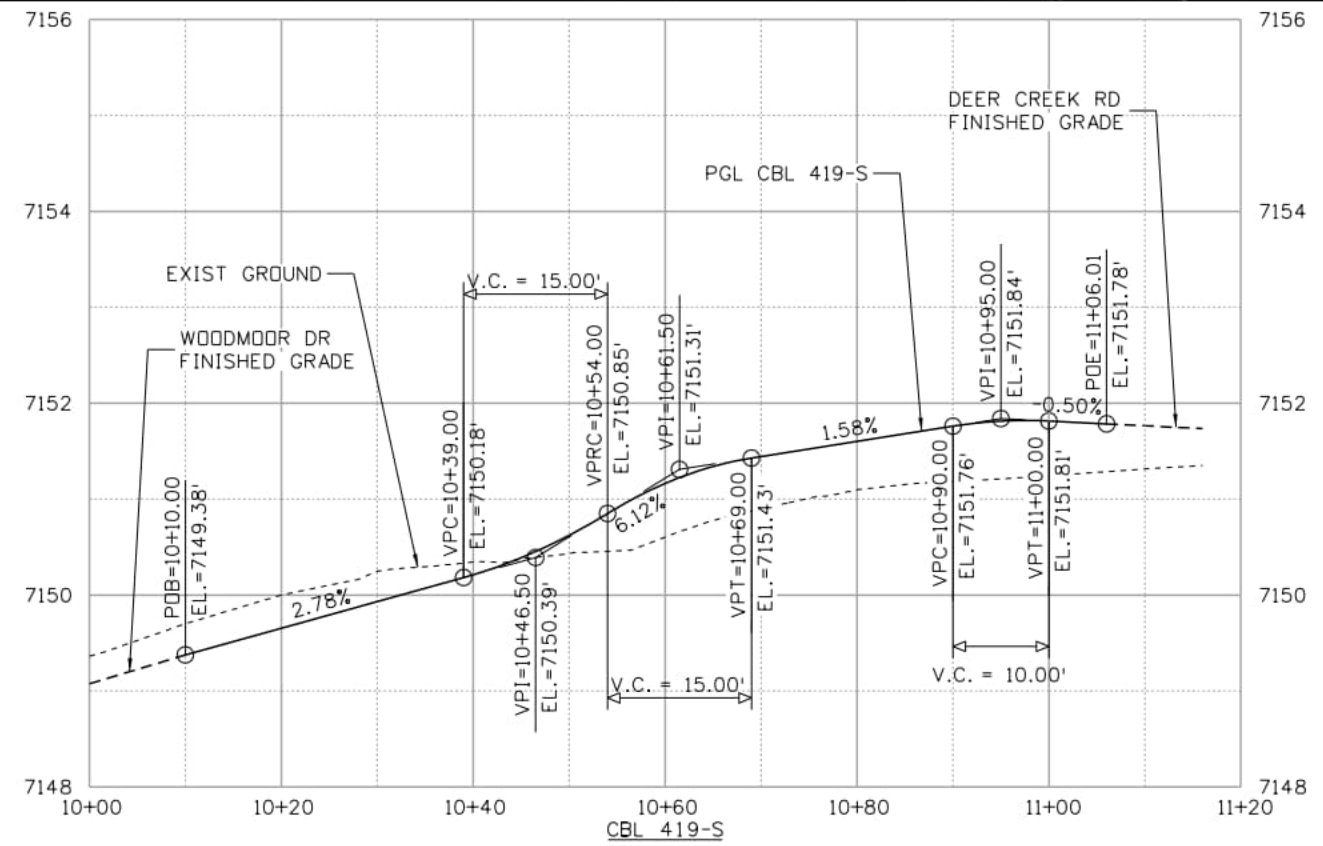
 CURBLINE PLAN AND PROFILE
 CBL SPLI-E

CBL P&P 6 of 15
 Sheet Number **053**

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Point Type	Station / Distance	Direction	Northing	Easting
POB	10+00.00		464308.58	183300.49
	Length: 10.14	N 0°30'43" E		
PC	10+10.14		464318.72	183300.58
	Radius: 90.00	Delta: 18°57'39" Right		
	Length: 29.78	DOC (Arc): 63°39'43"		
	Tangent: 15.03	Direction: N 0°30'43" E		
	Chord: 29.65	Direction: N 9°59'33" E		
PCC	10+39.92		464347.92	183305.72
	Radius: 30.00	Delta: 51°33'38" Right		
	Length: 27.00	DOC (Arc): 190°59'09"		
	Tangent: 14.49	Direction: N 19°28'22" E		
	Chord: 26.10	Direction: N 45°15'11" E		
PCC	10+66.92		464366.29	183324.25
	Radius: 115.00	Delta: 19°28'42" Right		
	Length: 39.10	DOC (Arc): 49°49'21"		
	Tangent: 19.74	Direction: N 71°02'01" E		
	Chord: 38.91	Direction: N 80°46'22" E		
PT	11+06.01		464372.53	183362.66
	Length: 10.00	S 89°29'17" E		
POE	11+16.01		464372.44	183372.66



NOTE:
 1. ALL STATIONS AND OFFSETS ARE TAKEN FROM THE LIP OF CURB UNLESS OTHERWISE NOTED.

Computer File Information	
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File Name: curb_p&p_07	
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Checker: CFC	
11x17 Scale: 1" = 20'	Units: Survey Feet

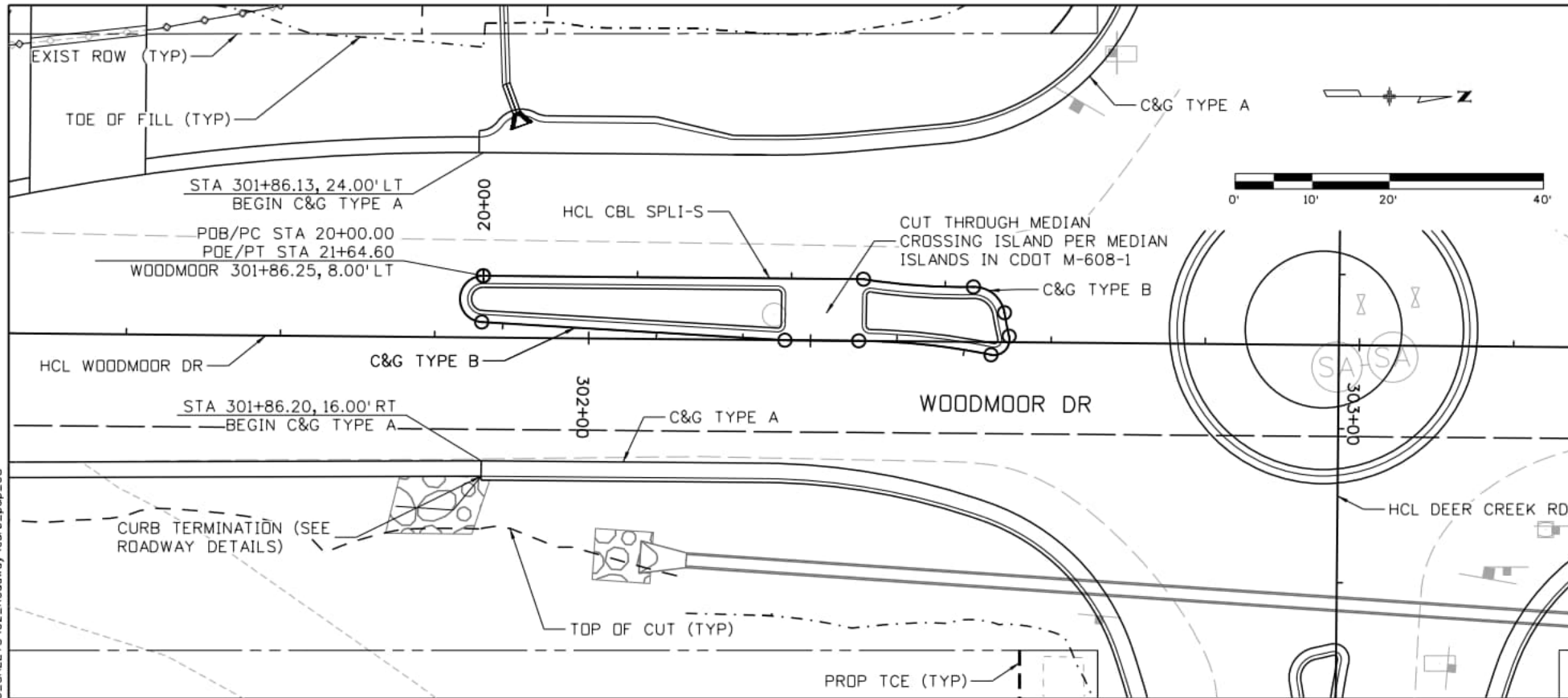
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Date:	Comments	Init.

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 Fax: 719-520-6879



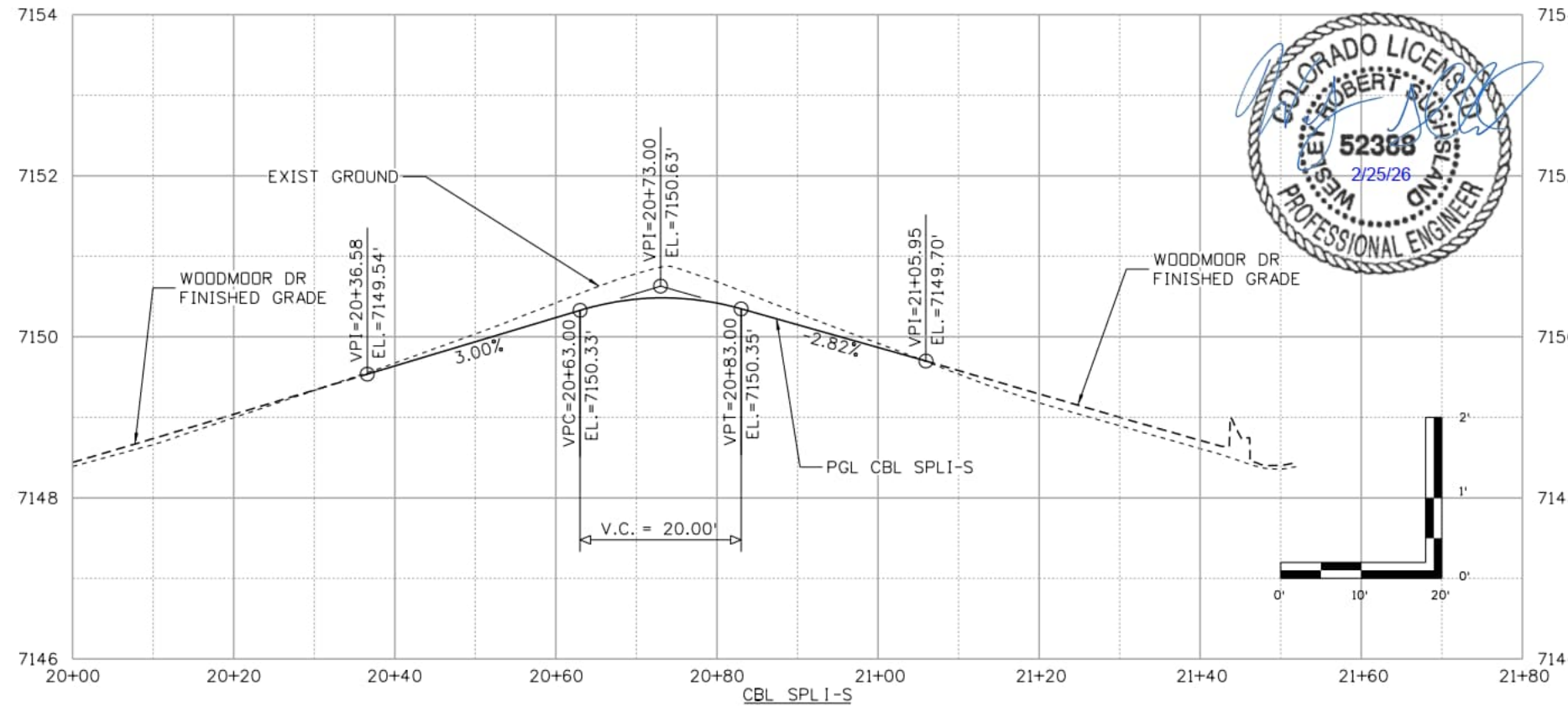
AECOM
 2315 Briargate Pkwy #150
 Colorado Springs, CO 80920
 Phone: 719-531-0001
 Fax: 719-531-0007
 AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CURBLINE PLAN AND PROFILE CBL 419-S	CBL P&P 7 of 15 Sheet Number 054



Point Type	Station / Distance	Direction	Northing	Easting
PT	20+00.00		464282.21	183276.25
	Length: 49.33	N 0°30'43" E		
PC	20+49.33		464331.54	183276.69
	Radius: 80.13	Delta: 10°14'26"	Left	
	Length: 14.32	DOC (Arc): 71°30'02"		
	Tangent: 7.18	Direction: N 9°08'44" E		
	Chord: 14.30	Direction: N 4°01'31" E		
PRC	20+63.65		464345.81	183277.69
	Radius: 4.00	Delta: 81°43'47"	Right	
	Length: 5.71	DOC (Arc): 1432°23'40"		
	Tangent: 3.46	Direction: N 1°05'42" W		
	Chord: 5.23	Direction: N 39°46'12" E		
PRC	20+69.36		464349.83	183281.04
	Radius: 47.72	Delta: 3°43'11"	Left	
	Length: 3.10	DOC (Arc): 120°04'00"		
	Tangent: 1.55	Direction: N 80°38'05" E		
	Chord: 3.10	Direction: N 78°46'30" E		
PRC	20+72.46		464350.44	183284.08
	Radius: 2.00	Delta: 114°36'04"	Right	
	Length: 4.00	DOC (Arc): 2864°47'20"		
	Tangent: 3.12	Direction: N 76°54'54" E		
	Chord: 3.37	Direction: S 45°47'03" E		
PRC	20+76.46		464348.09	183286.49
	Radius: 90.00	Delta: 11°00'16"	Left	
	Length: 17.29	DOC (Arc): 63°39'43"		
	Tangent: 8.67	Direction: S 11°30'59" W		
	Chord: 17.26	Direction: S 06°00'51" W		
PT	20+93.74		464330.92	183284.68
	Length: 9.58	S 0°30'43" W		
PT	21+03.33		464321.34	183284.60
	Length: 39.41	S 3°25'36" W		
PC	21+42.73		464282.01	183282.24
	Radius: 3.00	Delta: 177°05'07"	Right	
	Length: 9.27	DOC (Arc): 1909°51'34"		
	Tangent: 117.92	Direction: S 3°25'36" W		
	Chord: 6.00	Direction: N 88°01'51" W		
POE	21+52.01		464282.21	183276.25

NOTE:
1. ALL STATIONS AND OFFSETS ARE TAKEN FROM THE LIP OF CURB UNLESS OTHERWISE NOTED.



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Last Modification Date: 2/19/2026	
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Checker: CFC	
11x17 Scale: 1" = 20'	Units: Survey Feet

Index of Revisions		
Date:	Comments	Init.

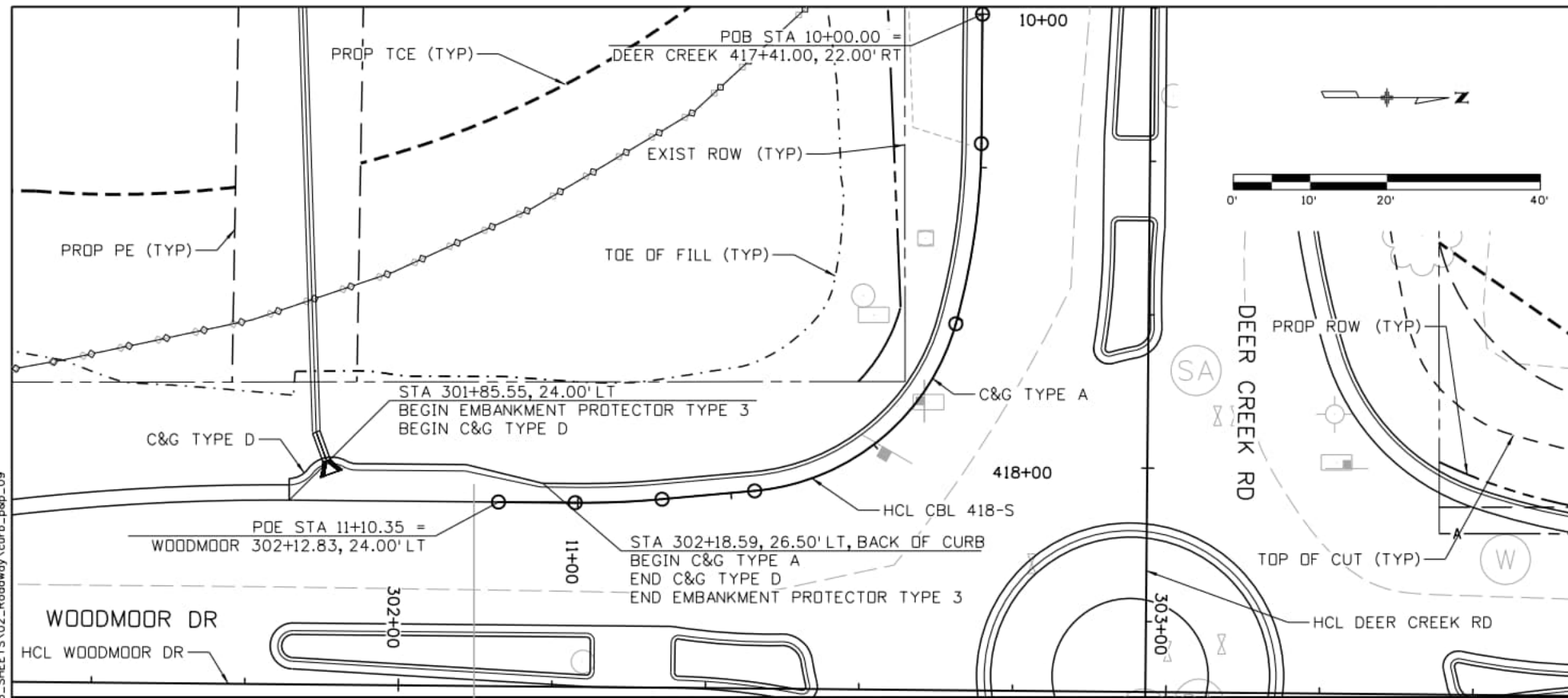
El Paso County
Department of Public Works
3275 Akers Dr
Phone: 719-520-6460
Fax: 719-520-6879



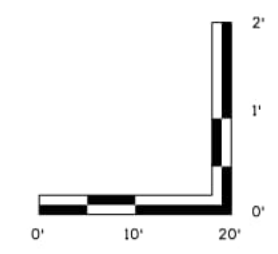
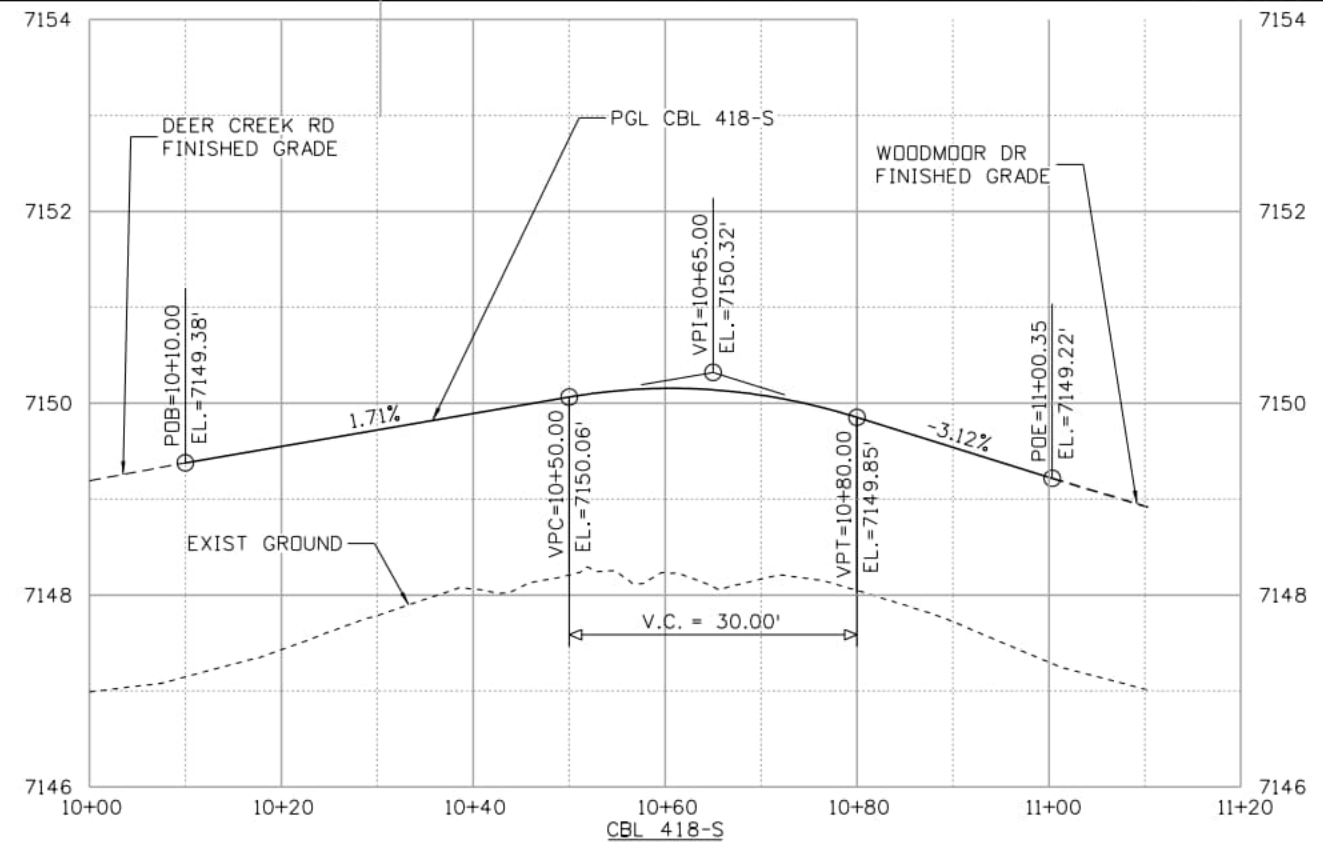
AECOM
2315 Briargate Pkwy #150
Colorado Springs, CO 80920
Phone: 719-531-0001
Fax: 719-531-0007
AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CURBLINE PLAN AND PROFILE CBL SPLI-S	CBL P&P 8 of 15 Sheet Number 055

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Point Type	Station / Distance	Direction	Northing	Easting
POB	10+00.00		464372.01	183196.89
	Length: 16.88	S 89°29'17" E		
PC	10+16.88		464371.86	183213.77
	Radius: 90.00	Delta: 15°08'53" Right		
	Length: 23.79	DOC (Arc): 63°39'43"		
	Tangent: 11.97	Direction: S 89°29'17" E		
	Chord: 23.73	Direction: S 81°54'51" E		
PCC	10+40.67		464368.52	183237.25
	Radius: 30.00	Delta: 69°12'31" Right		
	Length: 36.24	DOC (Arc): 190°59'09"		
	Tangent: 20.70	Direction: S 74°20'24" E		
	Chord: 34.07	Direction: S 39°44'08" E		
PT	10+76.91		464342.32	183259.04
	Length: 12.11	S 5°07'53" E		
PC	10+89.02		464330.25	183260.12
	Radius: 115.00	Delta: 5°38'36" Right		
	Length: 11.33	DOC (Arc): 49°49'21"		
	Tangent: 5.67	Direction: S 5°07'53" E		
	Chord: 11.32	Direction: S 2°18'35" E		
PT	11+00.35		464318.94	183260.58
	Length: 10.00	S 0°30'43" W		
POE	11+10.35		464308.94	183260.49



NOTE:
 1. ALL STATIONS AND OFFSETS ARE TAKEN FROM THE LIP OF CURB UNLESS OTHERWISE NOTED.

Computer File Information	
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File Name: curb_p&p_09	
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Checker: CFC	
11x17 Scale: 1" = 20'	Units: Survey Feet

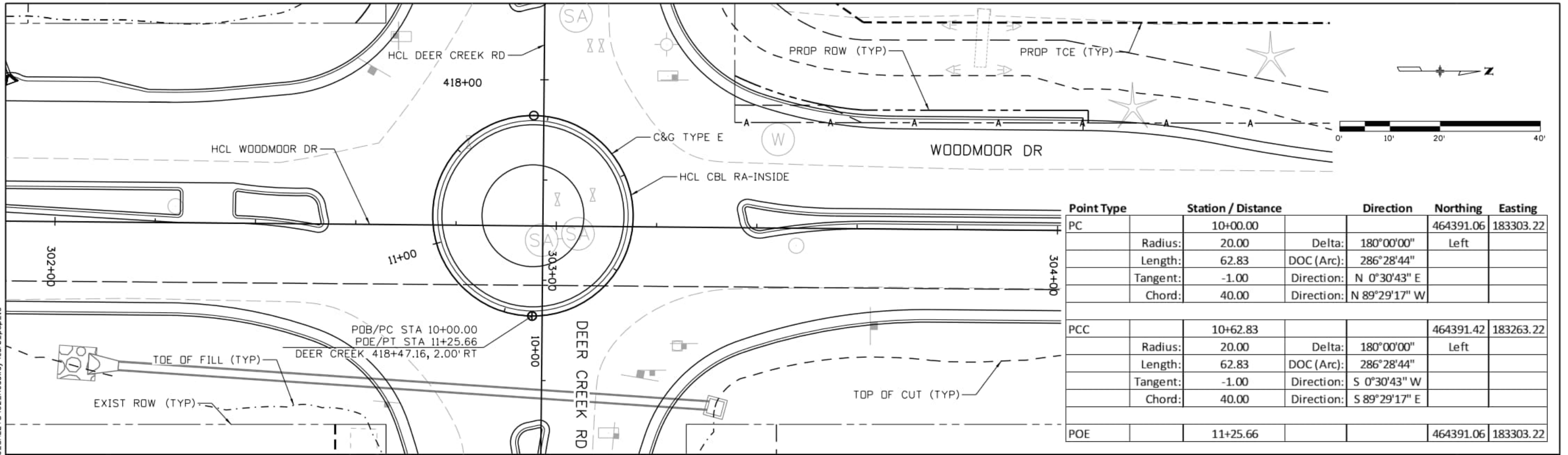
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Date:	Comments	Init.

El Paso County
 Department of Public Works
 3275 Akers Dr
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 Fax: 719-520-6879

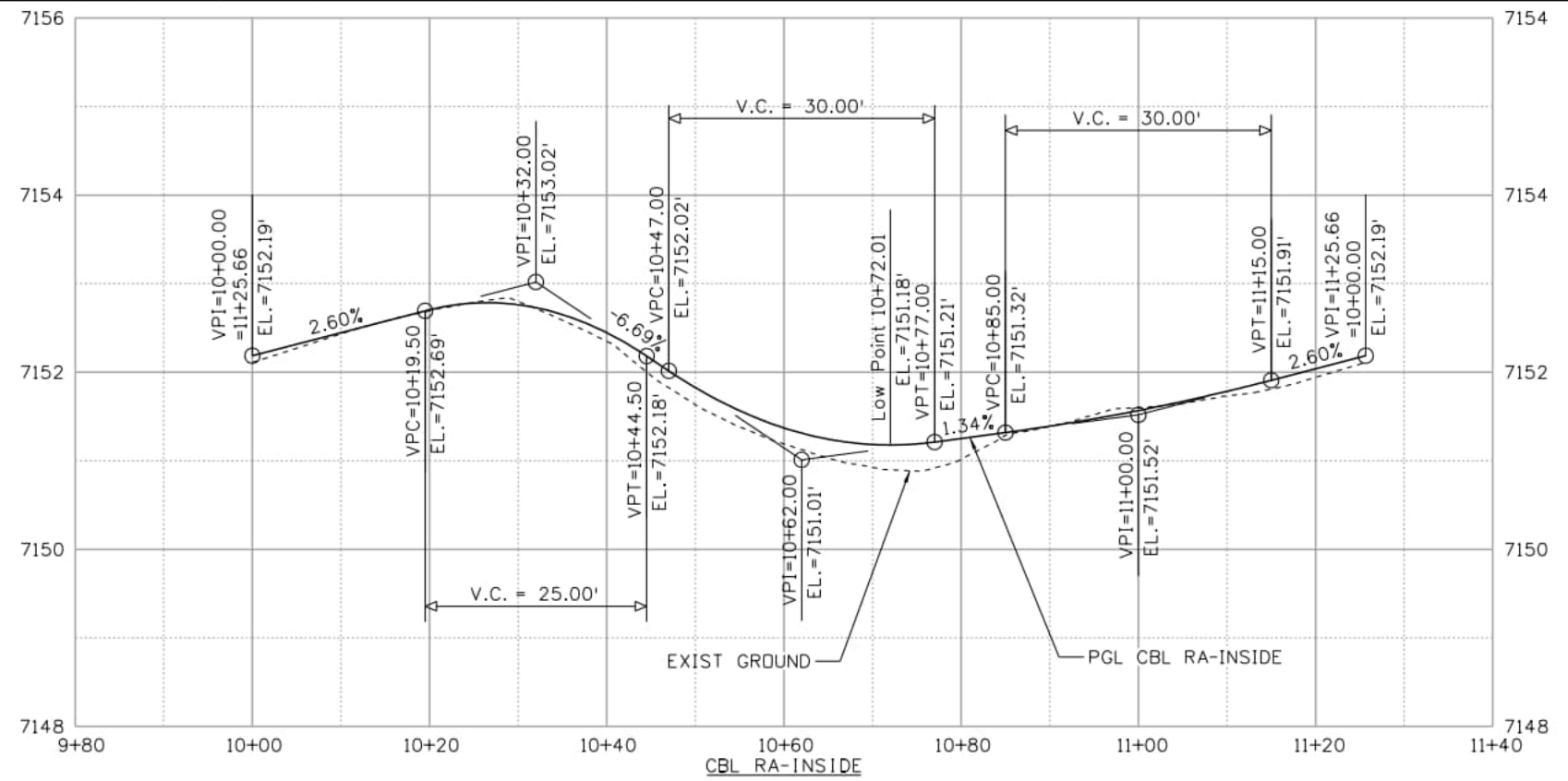


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 2315 Briargate Pkwy #150
 Colorado Springs, CO 80920
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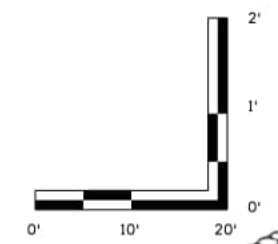
DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CURBLINE PLAN AND PROFILE CBL 418-S	CBL P&P 9 of 15 Sheet Number 056



Point Type	Station / Distance	Direction	Northing	Easting
PC	10+00.00		464391.06	183303.22
	Radius: 20.00	Delta: 180°00'00"	Left	
	Length: 62.83	DOC (Arc): 286°28'44"		
	Tangent: -1.00	Direction: N 0°30'43" E		
	Chord: 40.00	Direction: N 89°29'17" W		
PCC	10+62.83		464391.42	183263.22
	Radius: 20.00	Delta: 180°00'00"	Left	
	Length: 62.83	DOC (Arc): 286°28'44"		
	Tangent: -1.00	Direction: S 0°30'43" W		
	Chord: 40.00	Direction: S 89°29'17" E		
POE	11+25.66		464391.06	183303.22



NOTE:
1. ALL STATIONS AND OFFSETS ARE TAKEN FROM THE LIP OF CURB UNLESS OTHERWISE NOTED.



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File Name: curb_p&p_10	
Last Modification Date: 2/19/2026	
Designer: CFC	Detailer: JJB
Checker: CFC	
11x17 Scale: 1" = 20'	Units: Survey Feet

Index of Revisions		
Date:	Comments	Init.

El Paso County
Department of Public Works
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Fax: 719-520-6879

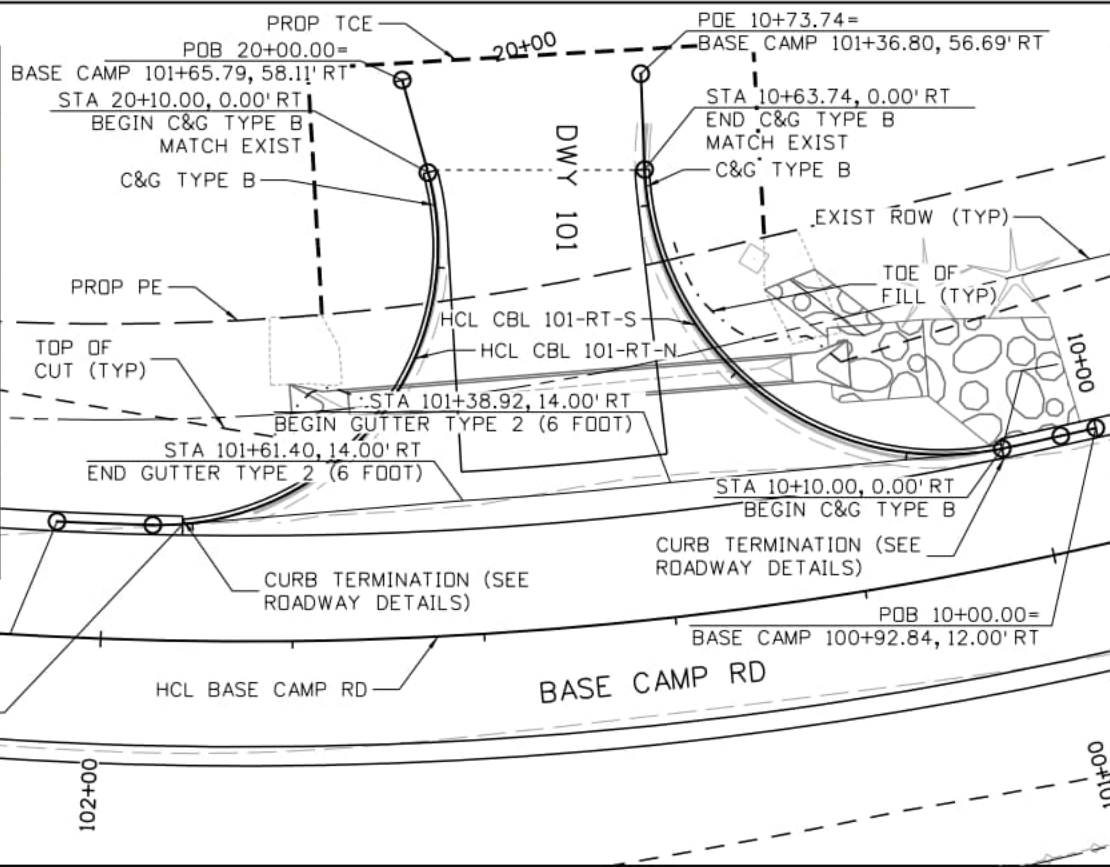


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2315 Briargate Pkwy #150
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Fax: 719-531-0007
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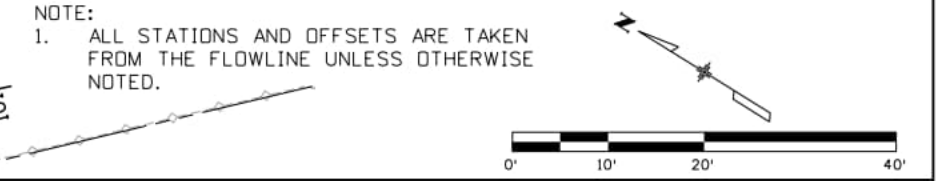
DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CURBLINE PLAN AND PROFILE CBL RA-INSIDE	CBL P&P 10 of 15 Sheet Number 057

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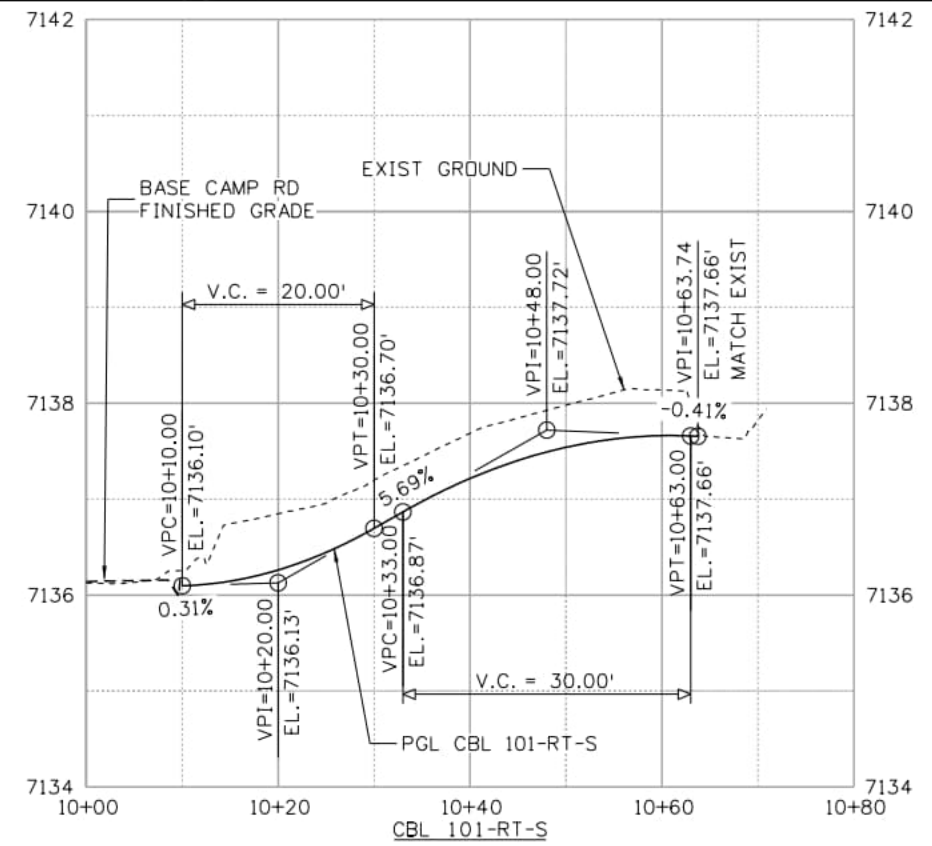
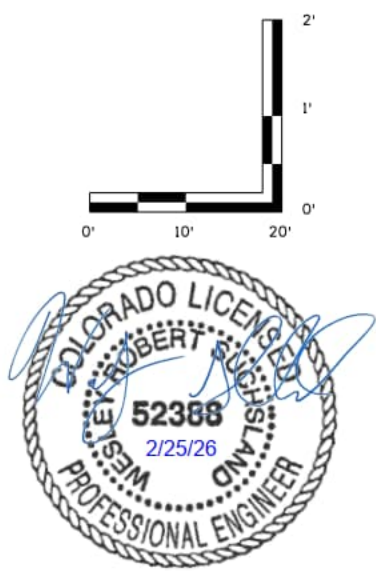
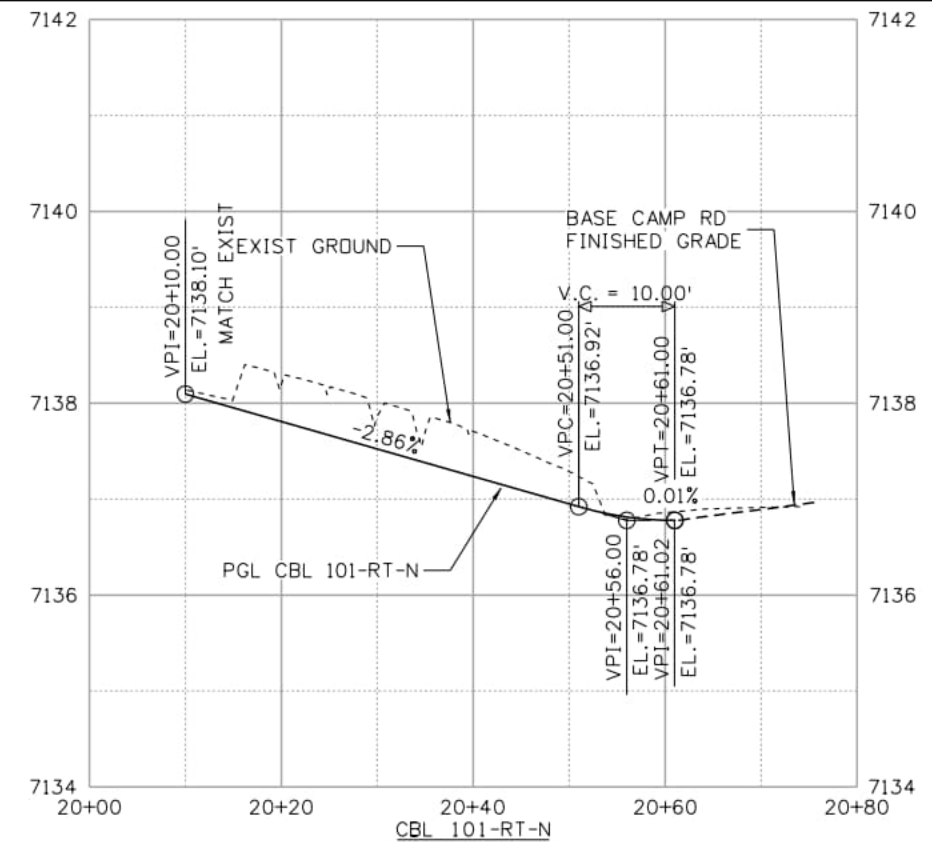
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Length:	10.00	S 42°37'35" W		
PC	20+10.00		464773.04	182197.87
Radius:	29.00	Delta: 106°55'59" Right		
Length:	54.12	DOC (Arc): 197°34'18"		
Tangent:	39.14	Direction: S 42°37'35" W		
Chord:	46.60	Direction: N 83°54'26" W		
PCC	20+64.12		464777.99	182151.53
Radius:	388.00	Delta: 1°28'36" Right		
Length:	10.00	DOC (Arc): 14°46'01"		
Tangent:	5.00	Direction: N 30°26'26" W		
Chord:	10.00	Direction: N 29°42'08" W		
POE	20+74.12		464786.67	182146.57



Point Type	Station / Distance	Direction	Northing	Easting
POB	10+00.00		464699.85	182212.01
Length:	3.75	N 44°31'02" W		
PC	10+03.75		464702.53	182209.38
Radius:	388.00	Delta: 0°55'13" Right		
Length:	6.23	DOC (Arc): 14°46'01"		
Tangent:	3.12	Direction: N 44°31'02" W		
Chord:	6.23	Direction: N 44°03'25" W		
PCC	10+09.98		464707.01	182205.05
Radius:	31.00	Delta: 99°21'50" Right		
Length:	53.76	DOC (Arc): 184°49'30"		
Tangent:	36.53	Direction: N 43°35'48" W		
Chord:	47.27	Direction: N 06°05'06" E		
PT	10+63.74		464754.01	182210.06
Length:		N 55°46'01" E		
POE	10+73.74		464759.64	182218.33



NOTE:
1. ALL STATIONS AND OFFSETS ARE TAKEN FROM THE FLOWLINE UNLESS OTHERWISE NOTED.



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File Name:	curb_p&p_11
Last Modification Date:	2/19/2026
Designer:	PDC
Detailer:	JJB
Checker:	PDC
Scale:	1" = 20'
Units:	Survey Feet

Index of Revisions		
Date:	Comments	Init.

El Paso County
 Department of Public Works
 3275 Akers Dr
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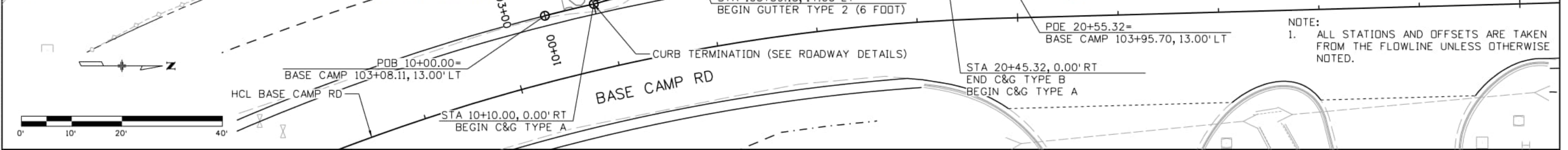


AECOM
 2315 Briargate Pkwy #150
 Colorado Springs, CO 80920
 Phone: 719-531-0001
 Fax: 719-531-0007
 AECOM #60673398

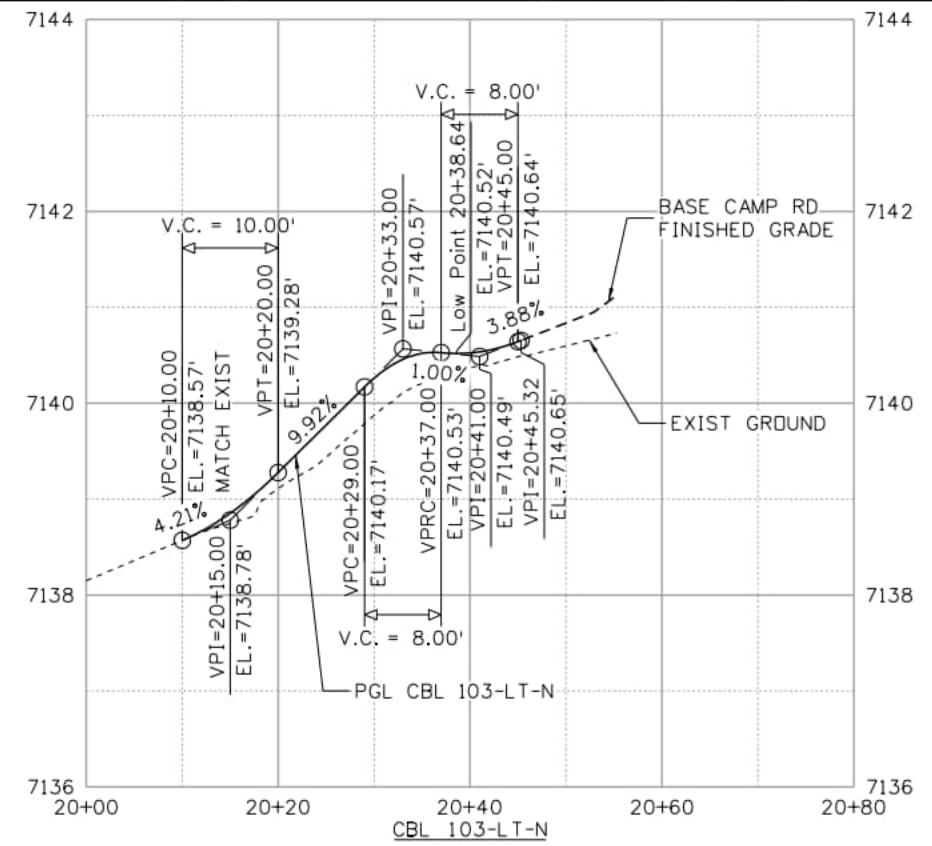
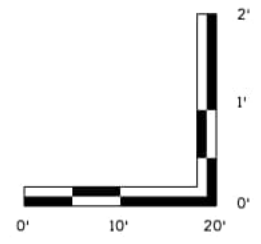
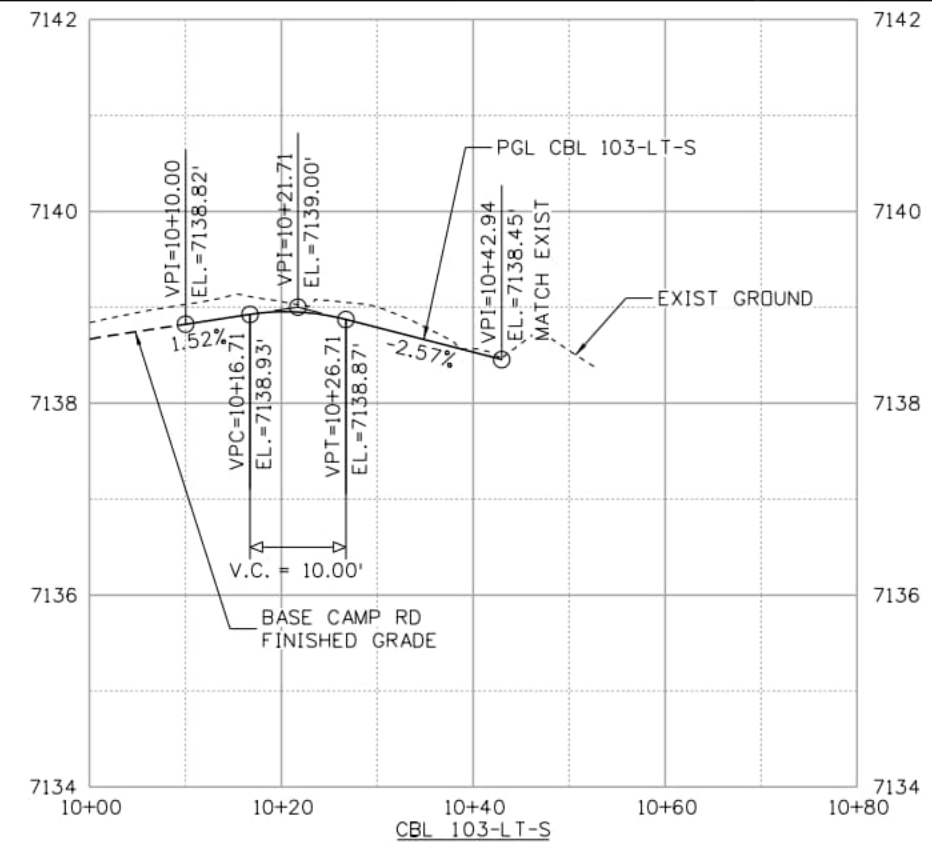
DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CURBLINE PLAN AND PROFILE	CBL P&P 11 of 15
CBL 101-RT-N AND CBL 101-RT-S	Sheet Number 058

Point Type	Station / Distance	Direction	Northing	Easting
PC	10+00.00		464873.11	182085.70
	Radius: 413.00	Delta: 1°23'14"	Right	
	Length: 10.00	DOC (Arc): 13°52'23"		
	Tangent: 5.00	Direction: N 14°13'13" W		
	Chord: 10.00	Direction: N 13°31'36" W		
PRC	10+10.00		464882.83	182083.36
	Radius: 23.00	Delta: 82°03'19"	Left	
	Length: 32.94	DOC (Arc): 249°06'44"		
	Tangent: 20.01	Direction: N 12°49'58" W		
	Chord: 30.20	Direction: N 53°51'38" W		
PT	10+42.94		464900.64	182058.97
	Length: 10.00	Direction: S 85°06'42" W		
POE	10+52.94		464899.79	182049.01

Point Type	Station / Distance	Direction	Northing	Easting
POB	20+00.00		464931.73	182039.67
	Length: 18.00	Direction: N 83°53'45" E		
PC	20+18.00		464933.65	182057.57
	Radius: 18.00	Delta: 86°57'26"	Left	
	Length: 27.32	DOC (Arc): 318°18'36"		
	Tangent: 17.07	Direction: N 83°53'45" E		
	Chord: 24.77	Direction: N 40°25'02" E		
PRC	20+45.32		464952.51	182073.63
	Radius: 413.00	Delta: 1°23'14"	Right	
	Length: 10.00	DOC (Arc): 13°52'23"		
	Tangent: 5.00	Direction: N 3°03'42" W		
	Chord: 10.00	Direction: N 2°22'05" W		
POE	20+55.32		464962.50	182073.22



NOTE:
1. ALL STATIONS AND OFFSETS ARE TAKEN FROM THE FLOWLINE UNLESS OTHERWISE NOTED.



Computer File Information	
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Index of Revisions		
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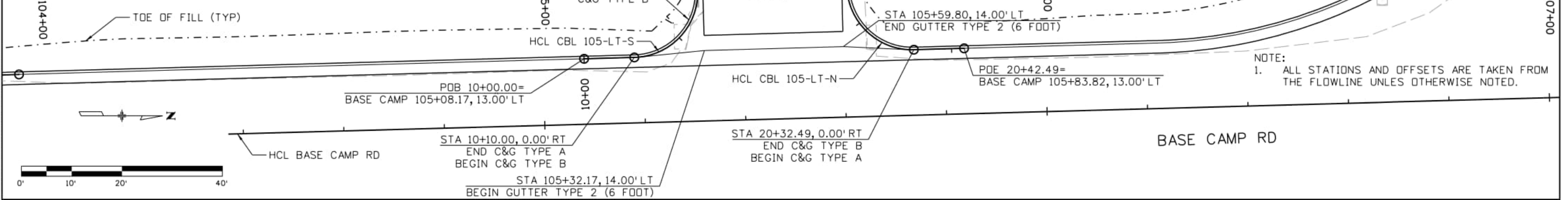


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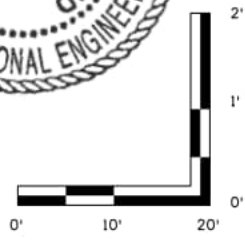
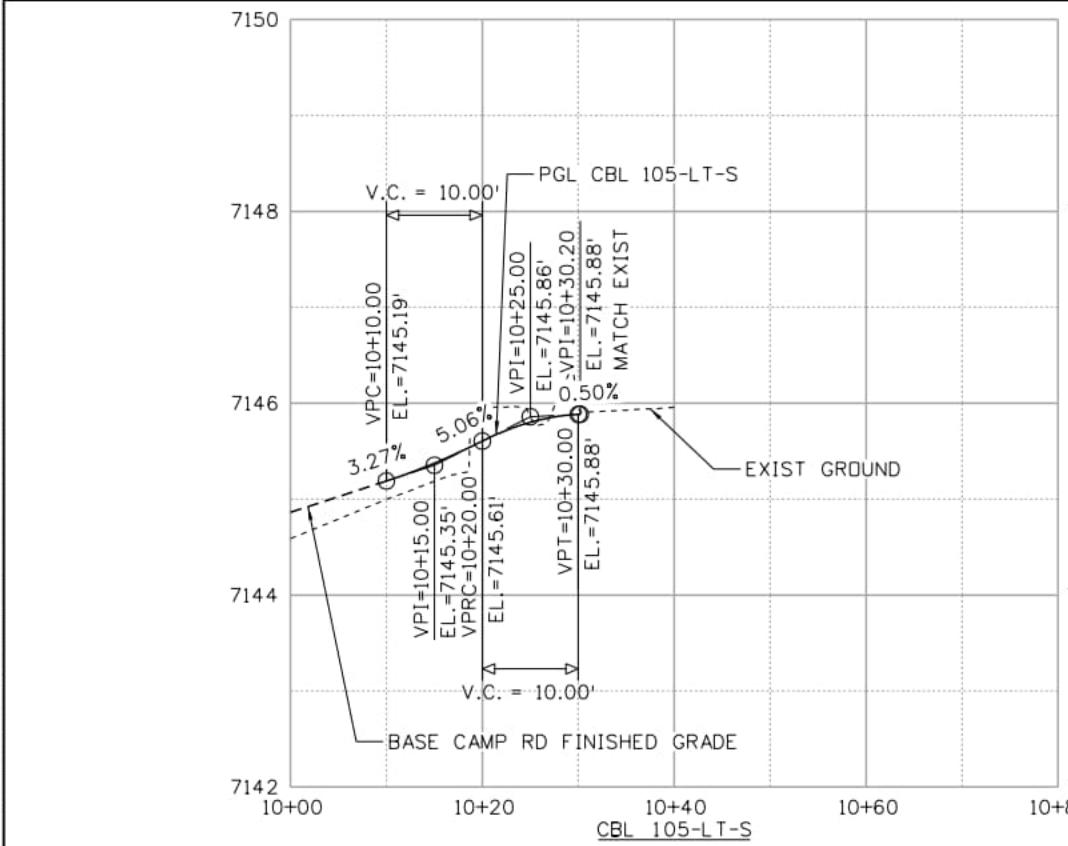
DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CURBLINE PLAN AND PROFILE CBL 103-LT-S AND CBL 103-LT-N	CBL P&P 12 of 15 Sheet Number 059

Point Type	Station / Distance	Direction	Northing	Easting
POB	10+00.00		465074.95	182070.13
Length:	10.00	N 01°34'33" W		
PC	10+10.00		465084.95	182069.85
Radius:	13.00	Delta: 89°01'32" Left		
Length:	20.20	DOC (Arc): 440°44'12"		
Tangent:	12.78	Direction: N 1°34'33" W		
Chord:	18.23	Direction: N 46°05'19" W		
PT	10+30.20		465097.59	182056.72
Length:	10.00	S 89°23'54" W		
POE	10+40.20		465097.48	182046.72

Point Type	Station / Distance	Direction	Northing	Easting
POB	20+00.00		465126.92	182043.62
Length:	12.05	N 88°31'29" E		
PC	20+12.05		465127.23	182055.66
Radius:	13.00	Delta: 90°06'02" Left		
Length:	20.44	DOC (Arc): 440°44'12"		
Tangent:	13.02	Direction: N 88°31'29" E		
Chord:	18.40	Direction: N 43°28'28" E		
PT	20+32.49		465140.58	182068.32
Length:	10.00	N 1°34'33" W		
POE	20+42.49		465150.58	182068.05



NOTE:
1. ALL STATIONS AND OFFSETS ARE TAKEN FROM THE FLOWLINE UNLESS OTHERWISE NOTED.



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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CURBLINE PLAN AND PROFILE CBL 105-LT-S AND 105-LT-N	CBL P&P 13 of 15 Sheet Number 060

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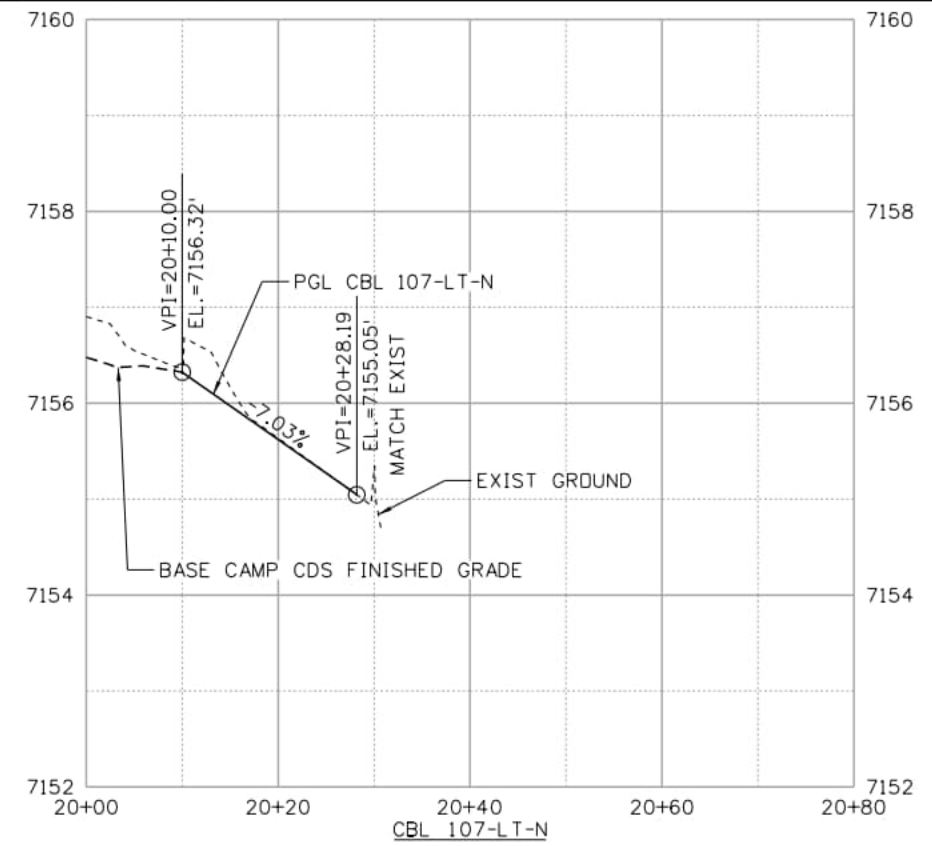
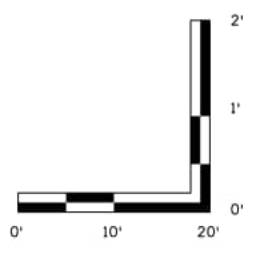
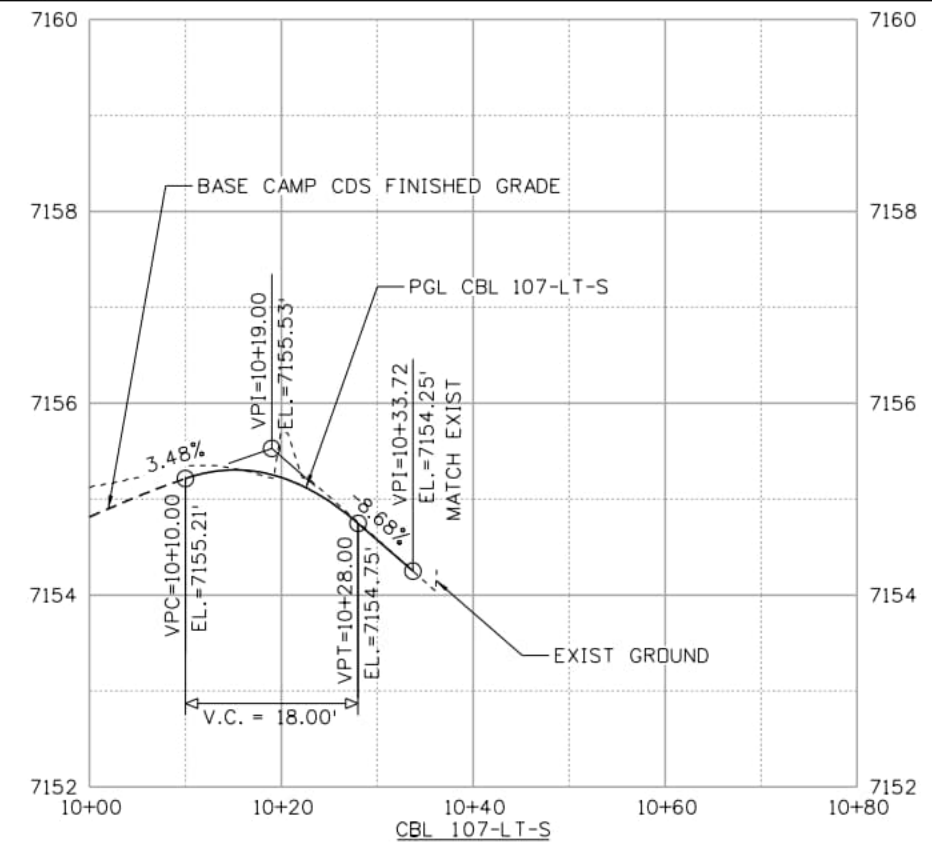
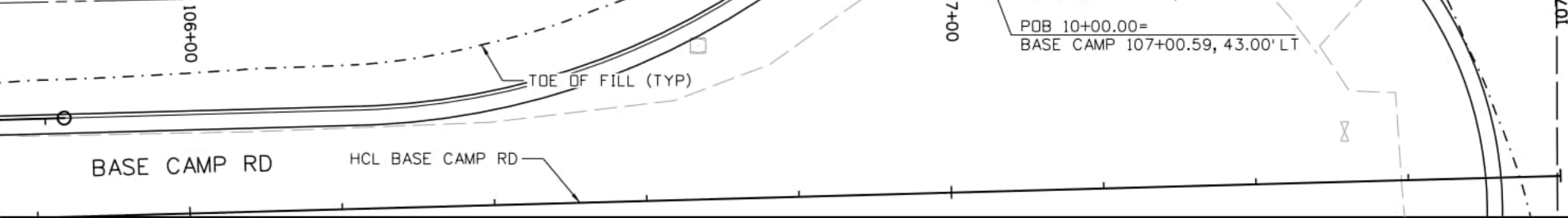
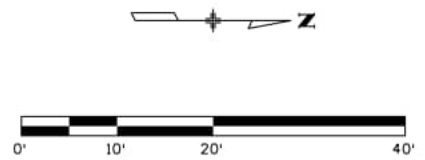
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Point Type	Station / Distance	Direction	Northing	Easting
PC	10+00.00		465266.48	182034.84
Radius:	50.00	Delta: 11°27'33"	Right	
Length:	10.00	DOC (Arc): 114°35'30"		
Tangent:	5.02	Direction: N 24°44'31" W		
Chord:	9.98	Direction: N 19°00'44" W		
PRC	10+10.00		465275.91	182031.59
Radius:	10.00	Delta: 78°27'14"	Left	
Length:	13.69	DOC (Arc): 572°57'28"		
Tangent:	8.16	Direction: N 13°16'58" W		
Chord:	12.65	Direction: N 52°30'35" W		
PT	10+23.69		465283.61	182021.56
Length:	20.02	Direction: S 88°15'48" W		
POE	10+43.72		465283.00	182001.54

Point Type	Station / Distance	Direction	Northing	Easting
POB	20+00.00		465309.59	182038.69
Length:	38.19	Direction: S 87°05'16" W		
POE	20+38.19		465307.65	182000.55

NOTE:

- SEE ROADWAY DETAILS AND CUL-DE-SAC PLAN & PROFILE FOR MORE INFORMATION.
- ALL STATIONS AND OFFSETS ARE TAKEN FROM THE LIP OF CURB UNLESS OTHERWISE NOTED.



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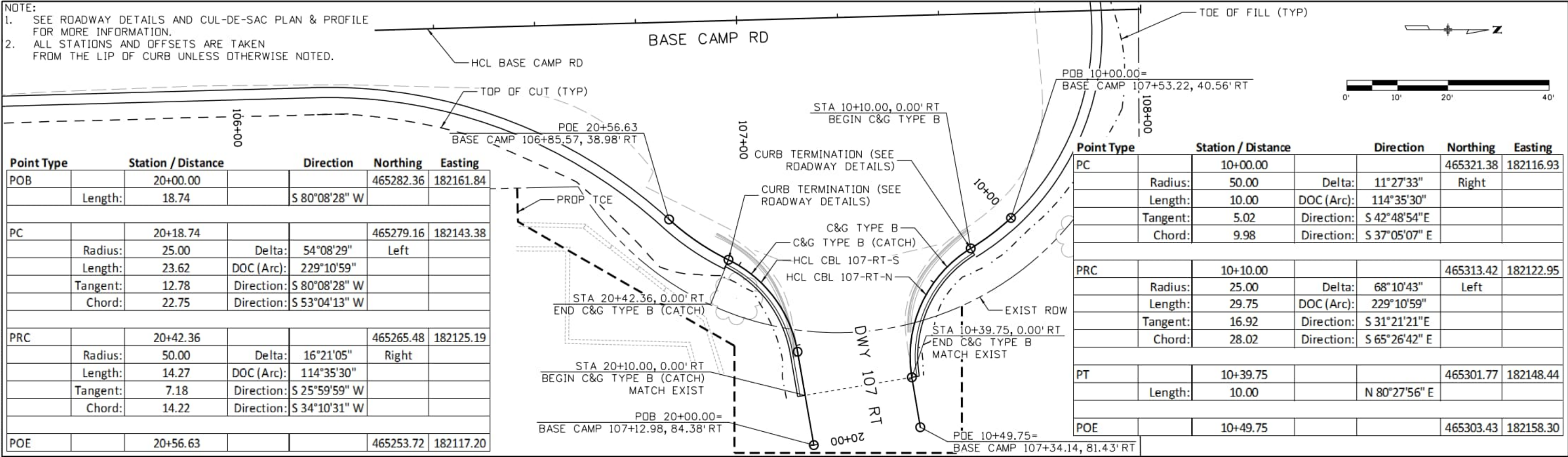
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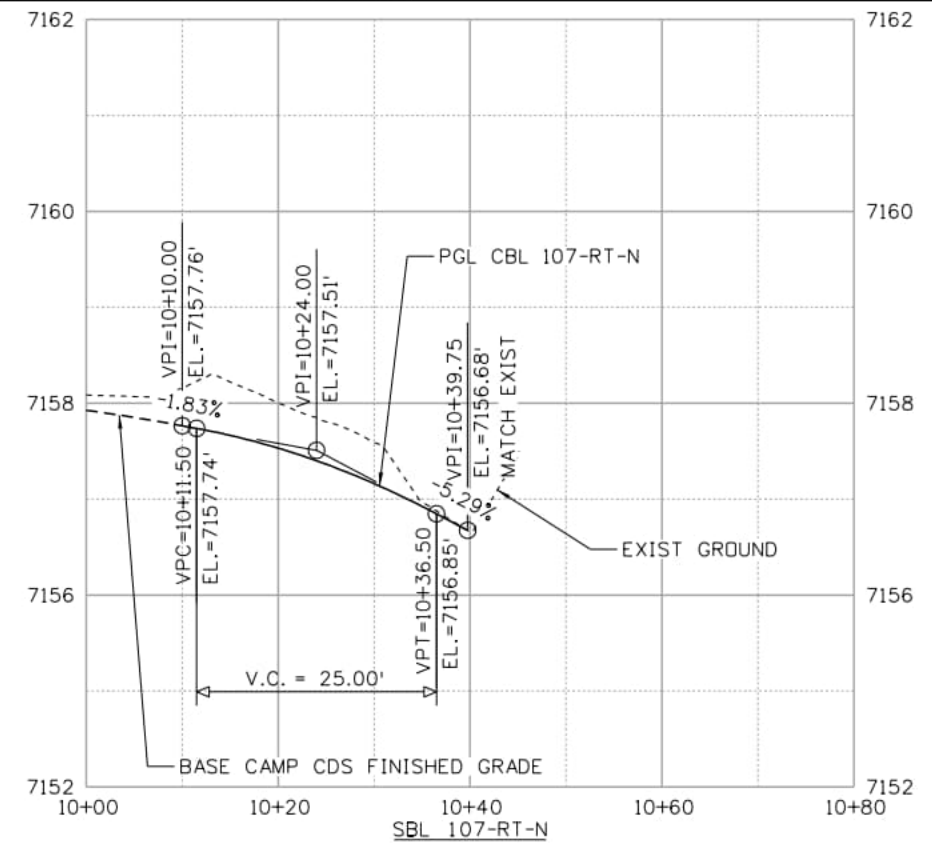
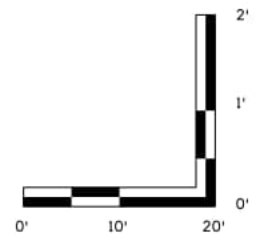
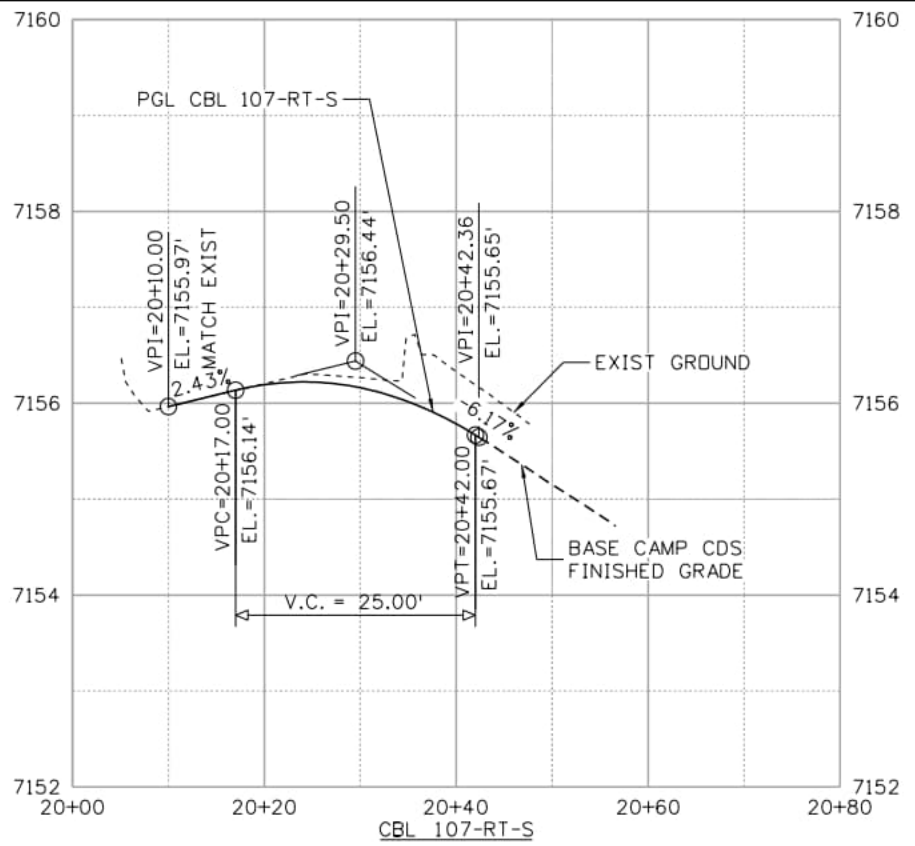
DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CURBLINE PLAN AND PROFILE CBL 107-LT-S AND CBL 107-LT-N	CBL P&P 14 of 15 Sheet Number 061

- NOTE:
 1. SEE ROADWAY DETAILS AND CUL-DE-SAC PLAN & PROFILE FOR MORE INFORMATION.
 2. ALL STATIONS AND OFFSETS ARE TAKEN FROM THE LIP OF CURB UNLESS OTHERWISE NOTED.



Point Type	Station / Distance	Direction	Northing	Easting
POB	20+00.00		465282.36	182161.84
Length:	18.74	S 80°08'28" W		
PC	20+18.74		465279.16	182143.38
Radius:	25.00	Delta: 54°08'29" Left		
Length:	23.62	DOC (Arc): 229°10'59"		
Tangent:	12.78	Direction: S 80°08'28" W		
Chord:	22.75	Direction: S 53°04'13" W		
PRC	20+42.36		465265.48	182125.19
Radius:	50.00	Delta: 16°21'05" Right		
Length:	14.27	DOC (Arc): 114°35'30"		
Tangent:	7.18	Direction: S 25°59'59" W		
Chord:	14.22	Direction: S 34°10'31" W		
POE	20+56.63		465253.72	182117.20

Point Type	Station / Distance	Direction	Northing	Easting
PC	10+00.00		465321.38	182116.93
Radius:	50.00	Delta: 11°27'33" Right		
Length:	10.00	DOC (Arc): 114°35'30"		
Tangent:	5.02	Direction: S 42°48'54" E		
Chord:	9.98	Direction: S 37°05'07" E		
PRC	10+10.00		465313.42	182122.95
Radius:	25.00	Delta: 68°10'43" Left		
Length:	29.75	DOC (Arc): 229°10'59"		
Tangent:	16.92	Direction: S 31°21'21" E		
Chord:	28.02	Direction: S 65°26'42" E		
PT	10+39.75		465301.77	182148.44
Length:	10.00	N 80°27'56" E		
POE	10+49.75		465303.43	182158.30



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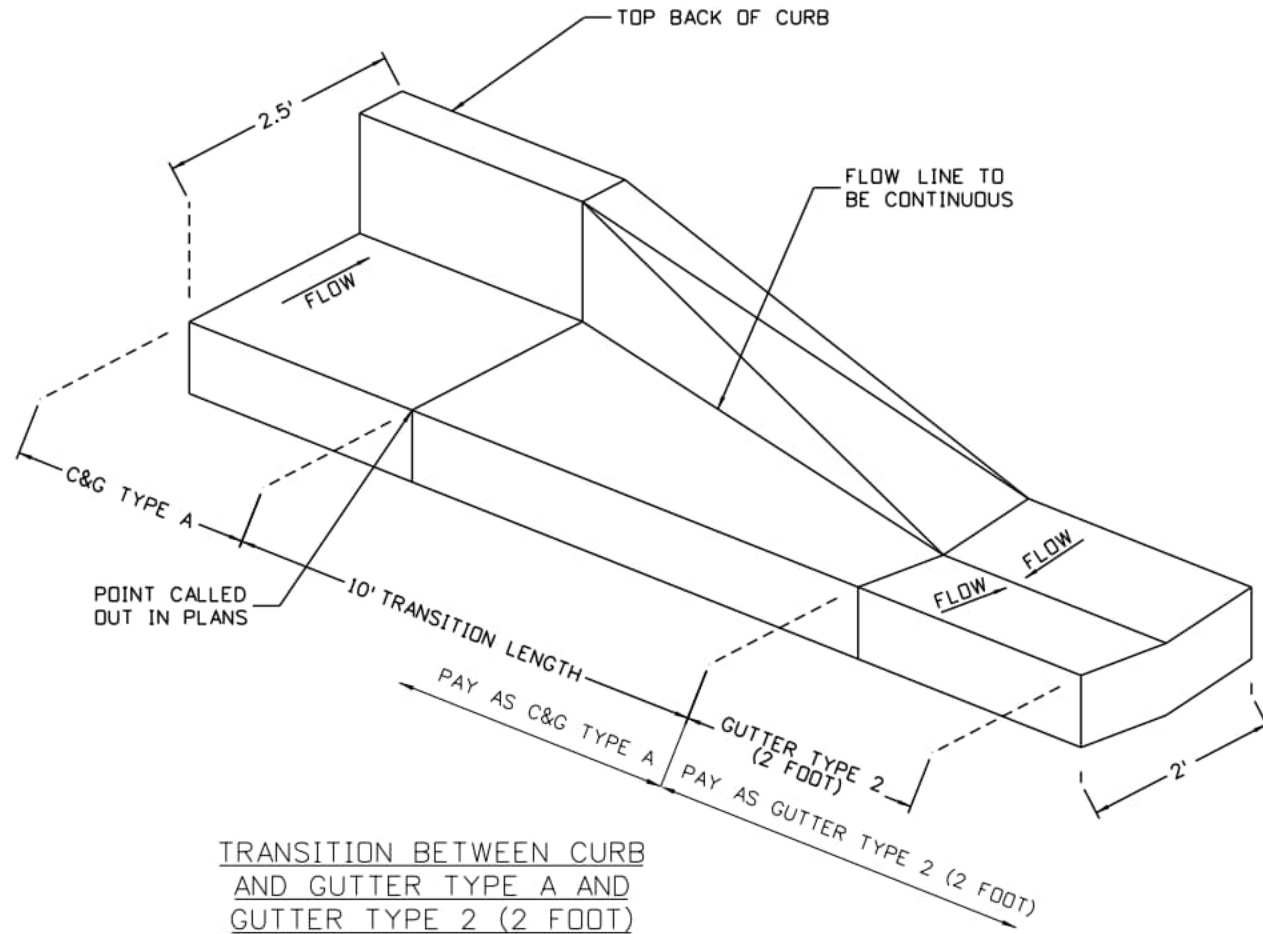


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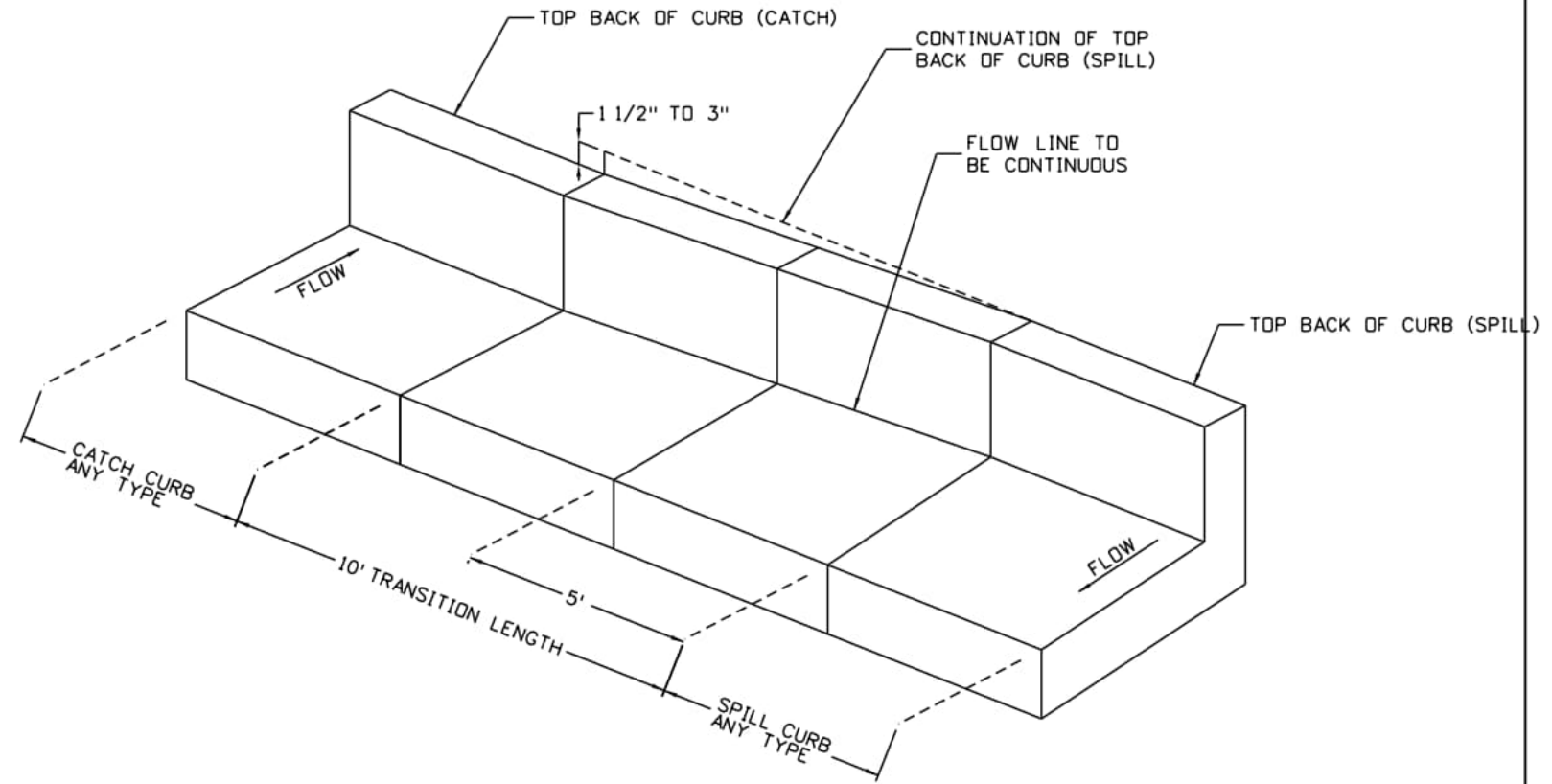
DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CURBLINE PLAN AND PROFILE CBL 107-RT-S AND CBL 107-RT-N	CBL P&P 15 of 15 Sheet Number 062

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NOTE:
 1. ALL C&G TYPE A IS ASSUMED TO BE CATCH AND ALL C&G TYPE B IS ASSUMED TO BE SPILL UNLESS OTHERWISE NOTED IN THE PLANS.



TRANSITION BETWEEN CURB AND GUTTER TYPE A AND GUTTER TYPE 2 (2 FOOT)



TRANSITION OF CURB & GUTTER BETWEEN CATCH AND SPILL

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Last Modification Date: 8/26/2024	
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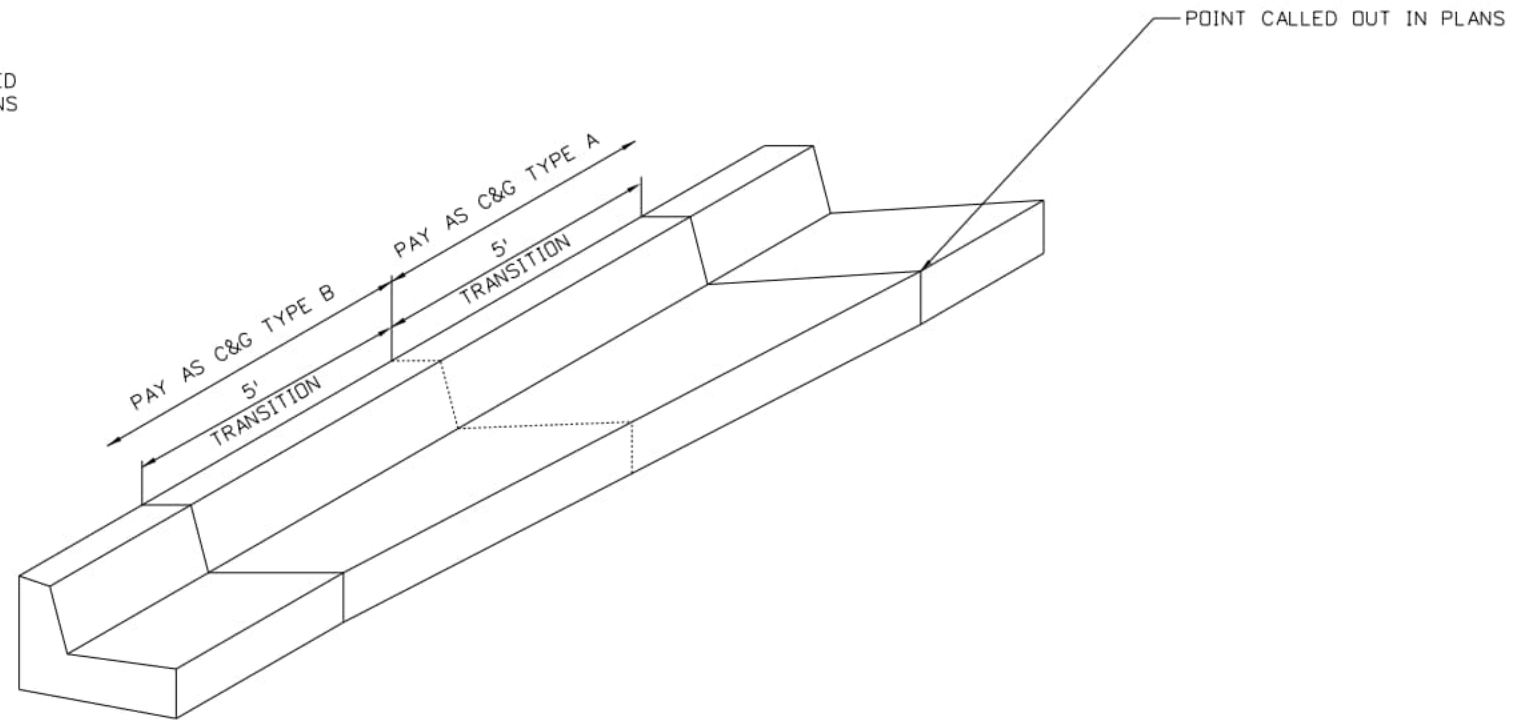
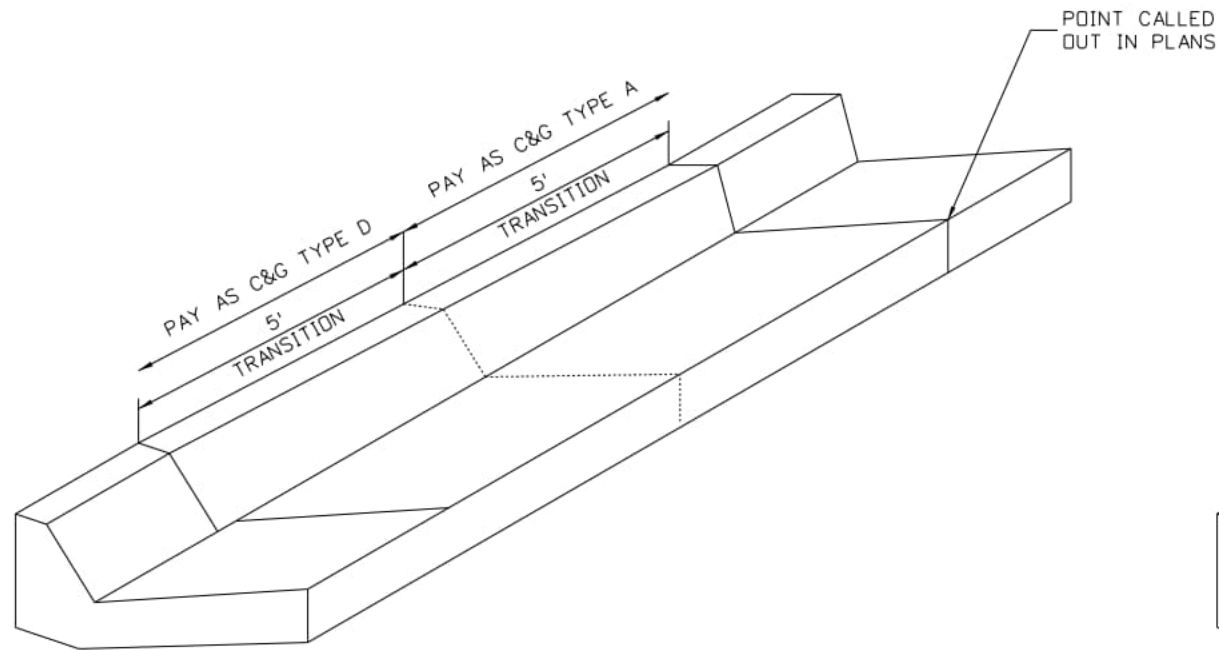
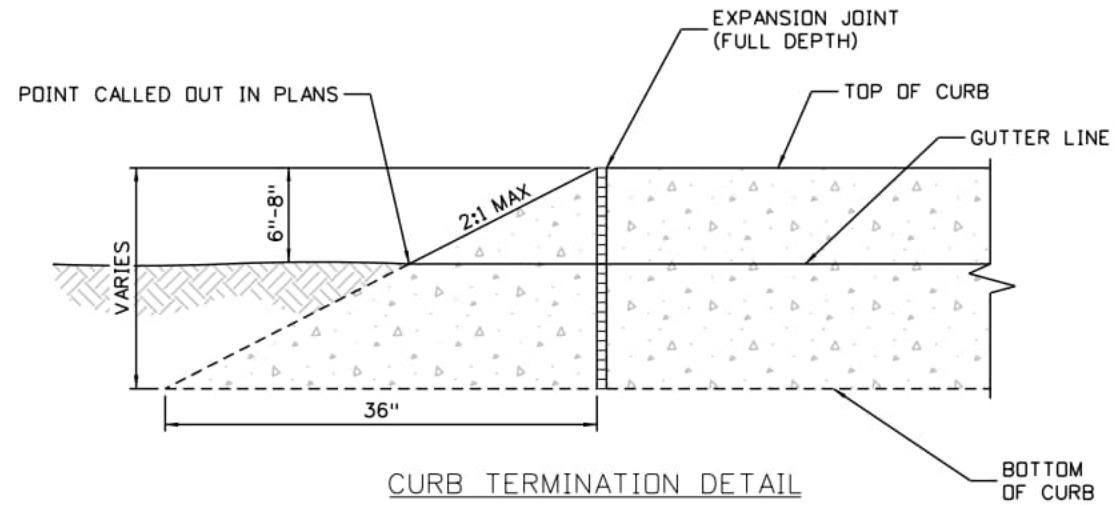
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
ROADWAY DETAILS	DETAILS 1 of 9
CURB DETAILS	Sheet Number 063

NOTE:
 1. ALL C&G TYPE A IS ASSUMED TO BE CATCH AND ALL C&G TYPE B IS ASSUMED TO BE SPILL UNLESS OTHERWISE NOTED IN THE PLANS.



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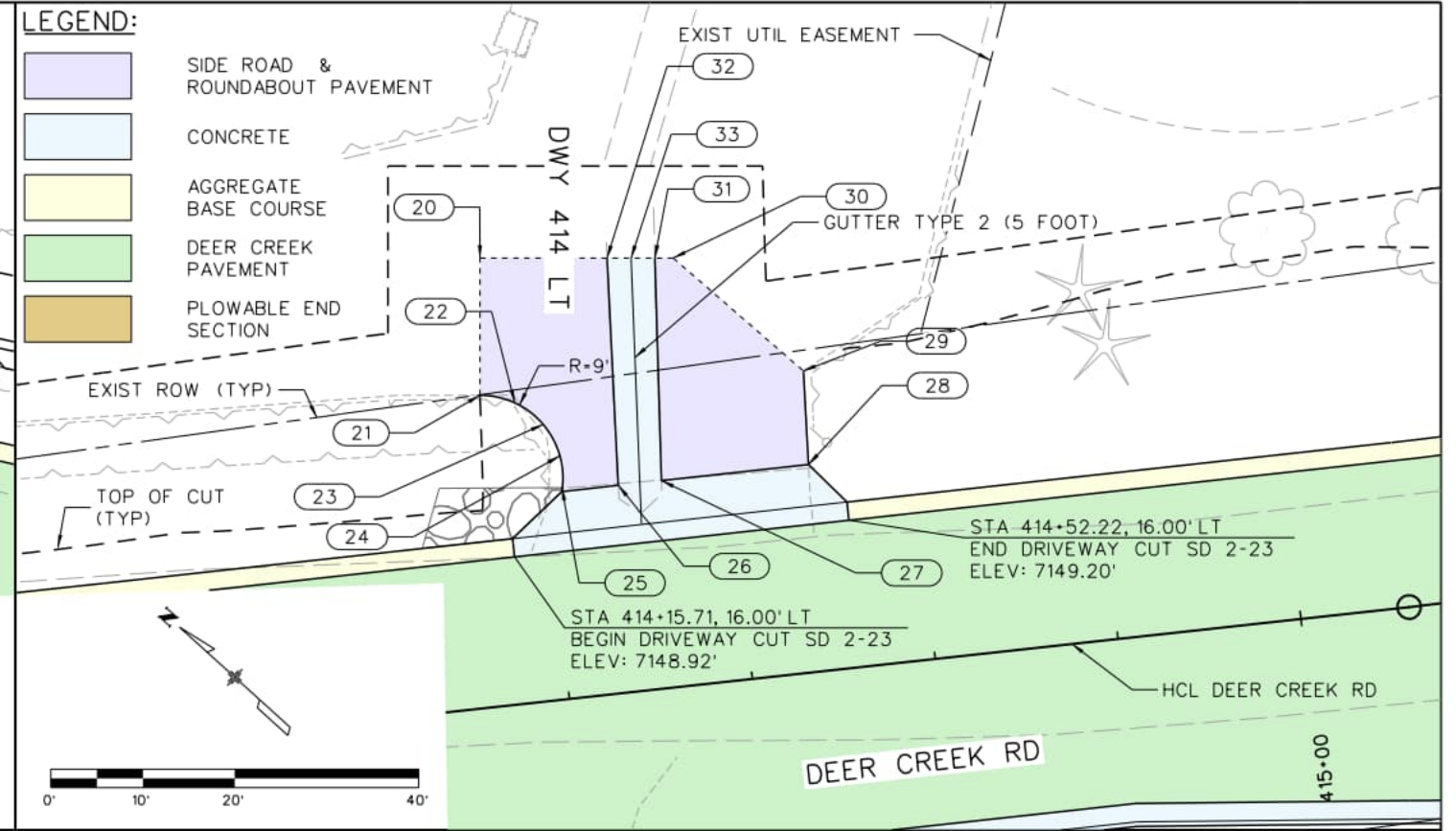
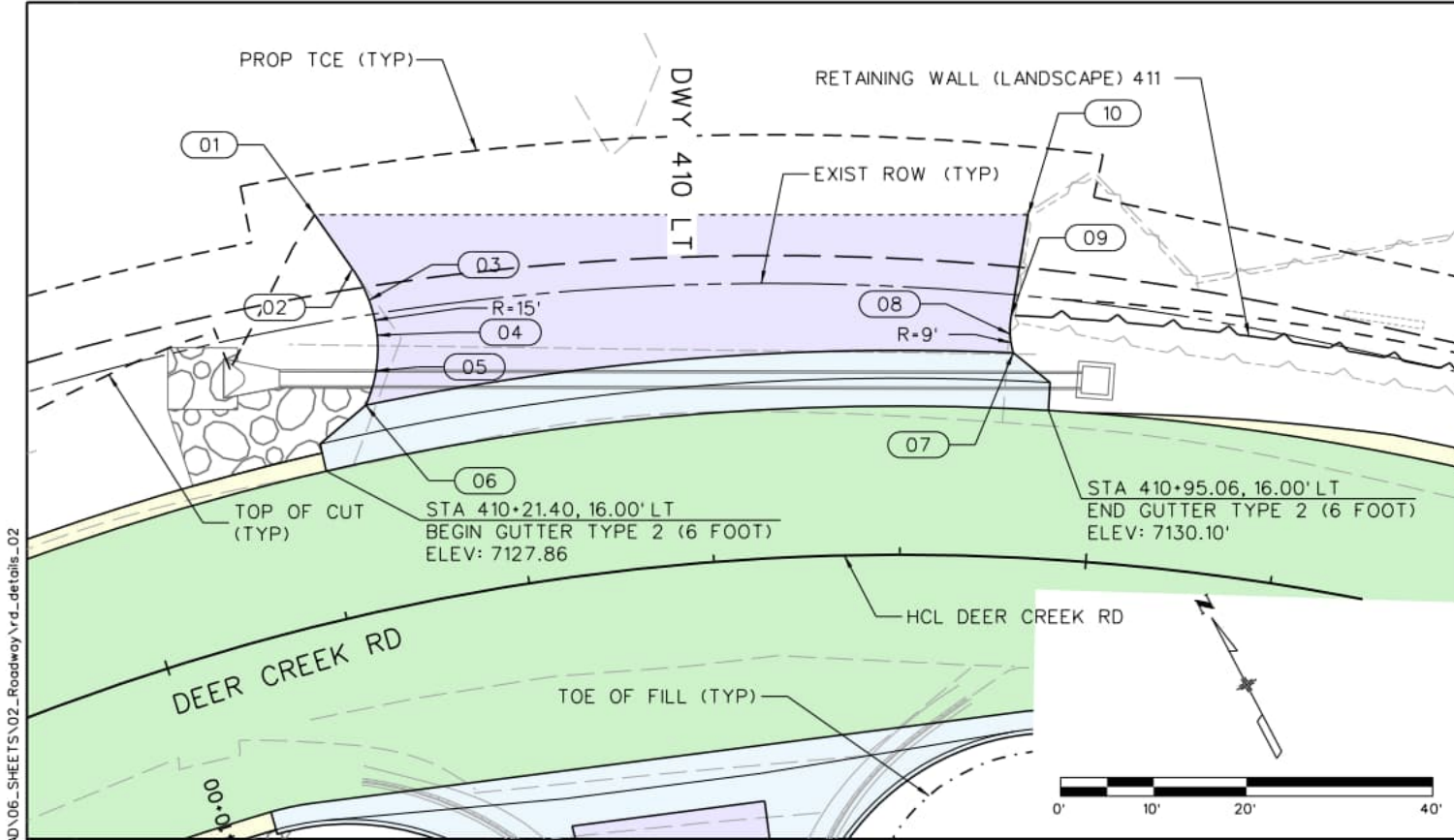
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
ROADWAY DETAILS	DETAILS 2 of 9
CURB DETAILS	Sheet Number 064



- LEGEND:**
- SIDE ROAD & ROUNDABOUT PAVEMENT
 - CONCRETE
 - AGGREGATE BASE COURSE
 - DEER CREEK PAVEMENT
 - PLOWABLE END SECTION

ID	HCL	STATION	OFFSET	ELEV
01	DEER CREEK	410+25.64	43.19' LT	7126.74' (ME)
02	DEER CREEK	410+28.07	36.68' LT	7127.34'
03	DEER CREEK	410+29.03	32.99' LT	7127.50'
04	DEER CREEK	410+29.13	29.14' LT	7127.65'
05	DEER CREEK	410+28.34	25.40' LT	7127.81'
06	DEER CREEK	410+26.68	22.00' LT	7127.95'
07	DEER CREEK	410+91.25	22.00' LT	7129.93'
08	DEER CREEK	410+90.86	23.97' LT	7130.17'
09	DEER CREEK	410+90.88	25.98' LT	7130.41'
10	DEER CREEK	410+92.08	36.89' LT	7131.19' (ME)

(ME) = MATCH EXISTING

ID	HCL	STATION	OFFSET	ELEV
20	DEER CREEK	414+15.53	48.70' LT	7152.79' (ME)
21	DEER CREEK	414+13.91	33.88' LT	7152.08' (ME)
22	DEER CREEK	414+17.59	32.64' LT	7151.57'
23	DEER CREEK	414+20.40	29.98' LT	7150.99'
24	DEER CREEK	414+21.83	26.37' LT	7150.26'
25	DEER CREEK	414+21.61	22.50' LT	7149.42'
26	DEER CREEK	414+27.80	22.50' LT	7149.49'
27	DEER CREEK	414+32.51	22.50' LT	7149.54'
28	DEER CREEK	414+48.60	22.50' LT	7149.61'
29	DEER CREEK	414+49.15	32.69' LT	7151.11 (ME)
30	DEER CREEK	414+36.42	46.42' LT	7151.93' (ME)
31	DEER CREEK	414+34.43	46.64' LT	7151.96' (ME)
32	DEER CREEK	414+29.27	47.20' LT	7152.04' (ME)
33	DEER CREEK	414+31.85	46.92' LT	7151.95 (ME)

(ME) = MATCH EXISTING



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Index of Revisions

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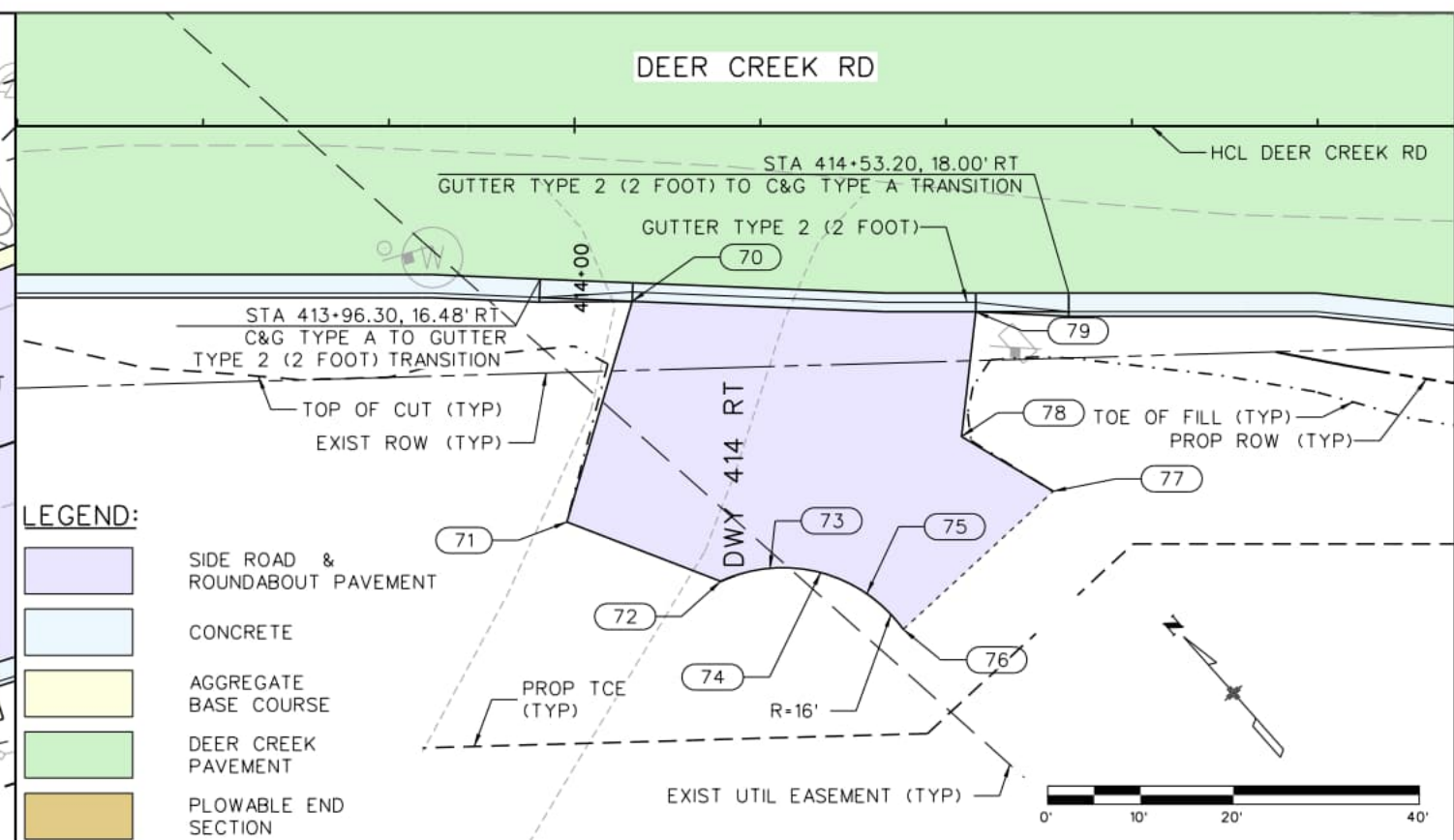
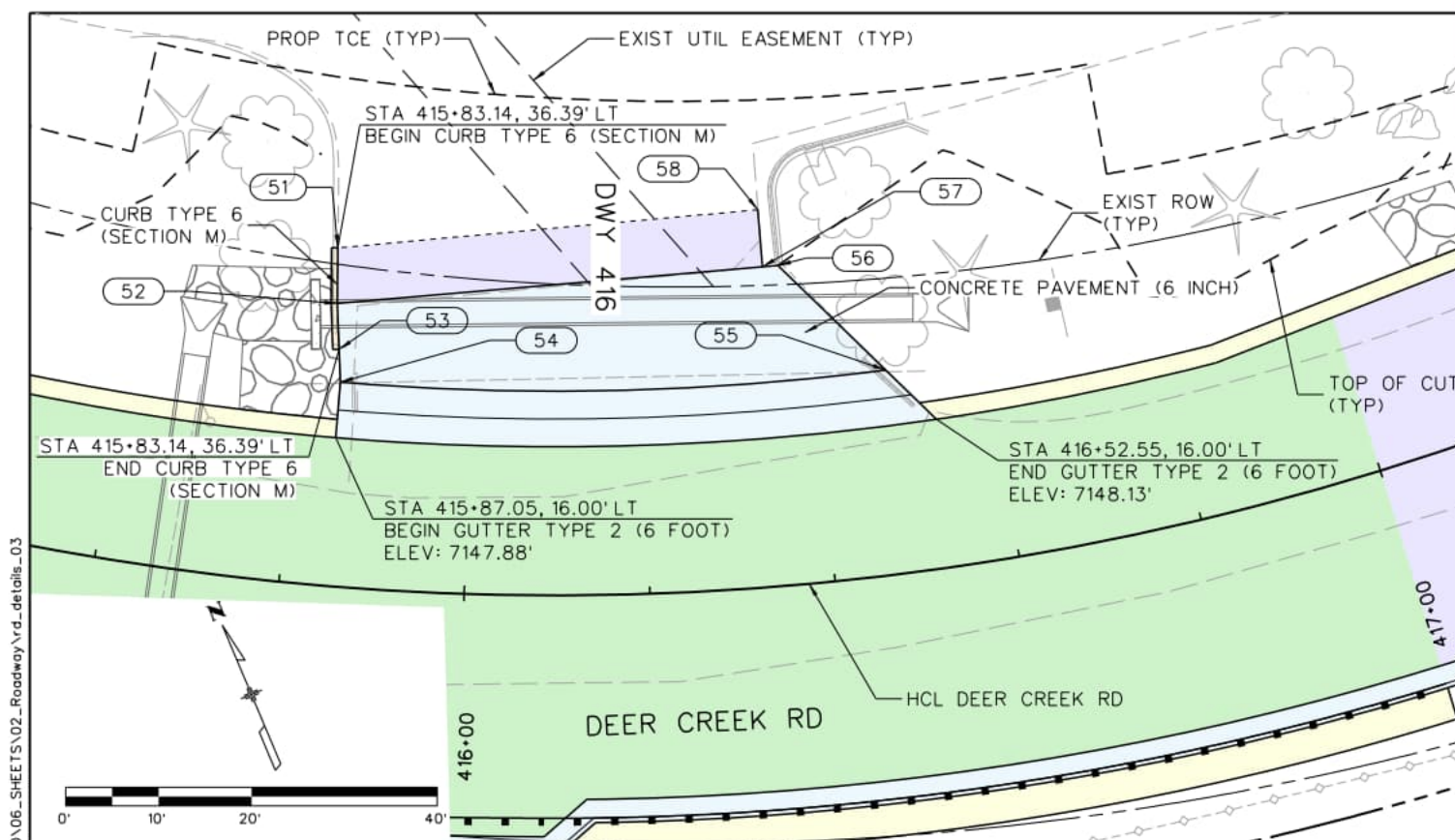
DEPARTMENT OF PUBLIC WORKS

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Colorado Springs, CO 80920
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

ROADWAY DETAILS DWY 410 LT & DWY 414 LT	DETAILS 3 of 9 Sheet Number 065
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LEGEND:

- SIDE ROAD & ROUNDABOUT PAVEMENT
- CONCRETE
- AGGREGATE BASE COURSE
- DEER CREEK PAVEMENT
- PLOWABLE END SECTION

ID	HCL	STATION	OFFSET	ELEV
51	DEER CREEK	415+83.14	36.39' LT	7148.79' (ME)
52	DEER CREEK	415+83.65	30.41' LT	7148.18'
53	DEER CREEK	415+84.33	25.50' LT	7148.01'
54	DEER CREEK	415+84.80	22.00' LT	7147.88'
55	DEER CREEK	416+48.31	22.00' LT	7148.09'
56	DEER CREEK	416+36.93	34.46' LT	7148.27' (ME)
57	DEER CREEK	416+35.02	34.45' LT	7148.24' (ME)
58	DEER CREEK	416+35.07	40.62' LT	7148.59' (ME)

(ME) = MATCH EXISTING

ID	HCL	STATION	OFFSET	ELEV
70	DEER CREEK	414+06.21	18.89' RT	7148.10'
71	DEER CREEK	413+99.16	42.65' RT	7145.80' (ME)
72	DEER CREEK	414+15.72	49.03' RT	7145.87' (ME)
73	DEER CREEK	414+21.03	47.63' RT	7146.30' (ME)
74	DEER CREEK	414+26.49	48.10' RT	7146.60' (ME)
75	DEER CREEK	414+31.47	50.38' RT	7146.73' (ME)
76	DEER CREEK	414+35.39	54.22' RT	7146.72' (ME)
77	DEER CREEK	414+51.52	39.34' RT	7147.64' (ME)
78	DEER CREEK	414+41.65	33.44' RT	7147.90'
79	DEER CREEK	414.43.20	20.00' RT	7148.50'

(ME) = MATCH EXISTING



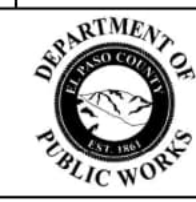
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Department of Public Works
3275 Akers Dr
Phone: 719-520-6460
Fax: 719-520-6879



AECOM
2315 BriarGate Pkwy •150
Colorado Springs, CO 80920
Phone: 719-531-0001
Fax: 719-531-0007
AECOM •60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS

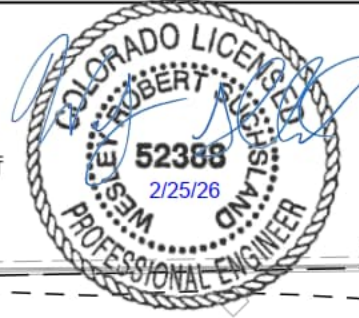
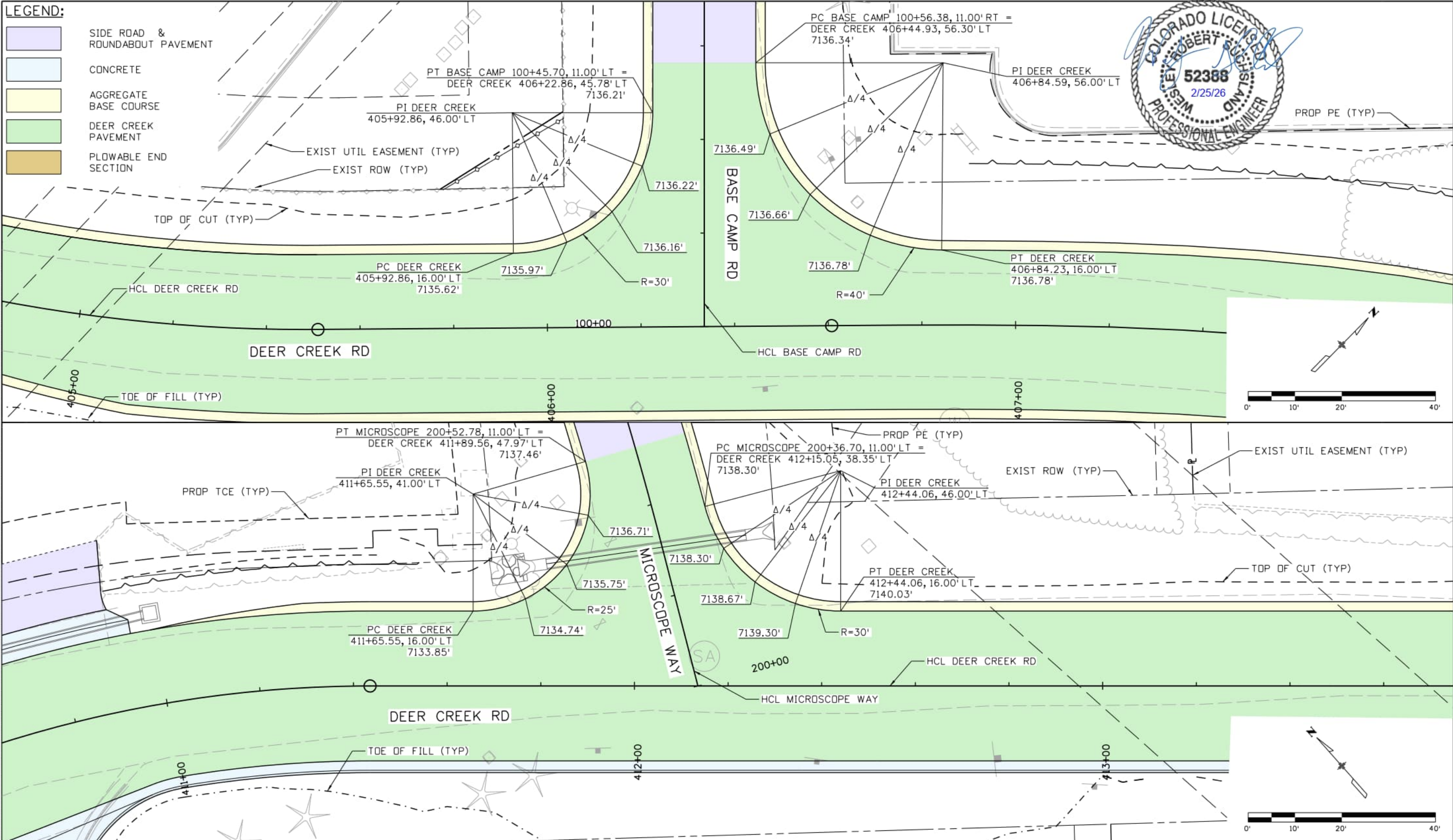
ROADWAY DETAILS
DWY 414 RT & DWY 416

DETAILS 4 of 9
Sheet Number 066

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LEGEND:

- SIDE ROAD & ROUNDABOUT PAVEMENT
- CONCRETE
- AGGREGATE BASE COURSE
- DEER CREEK PAVEMENT
- PLOWABLE END SECTION



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Designer: PDC Detailer: JJB Checker: PDC
11x17 Scale: 1" = 20' Units: Survey Feet

Index of Revisions

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El Paso County
 Department of Public Works
 3275 Akers Dr
 Phone: 719-520-6460
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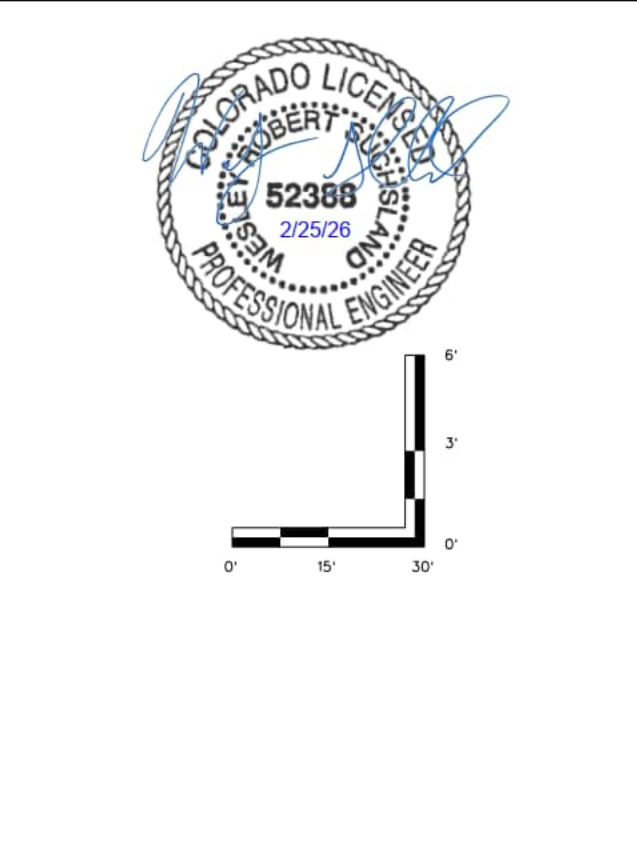
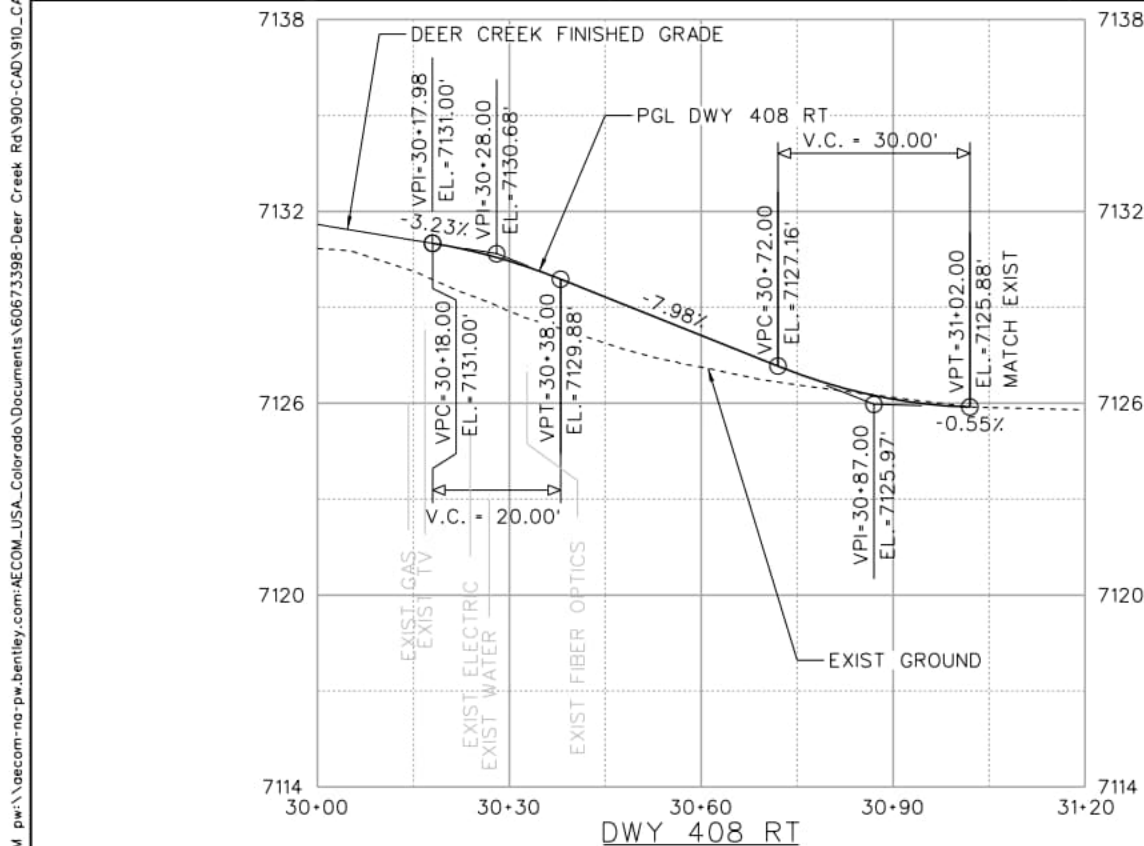
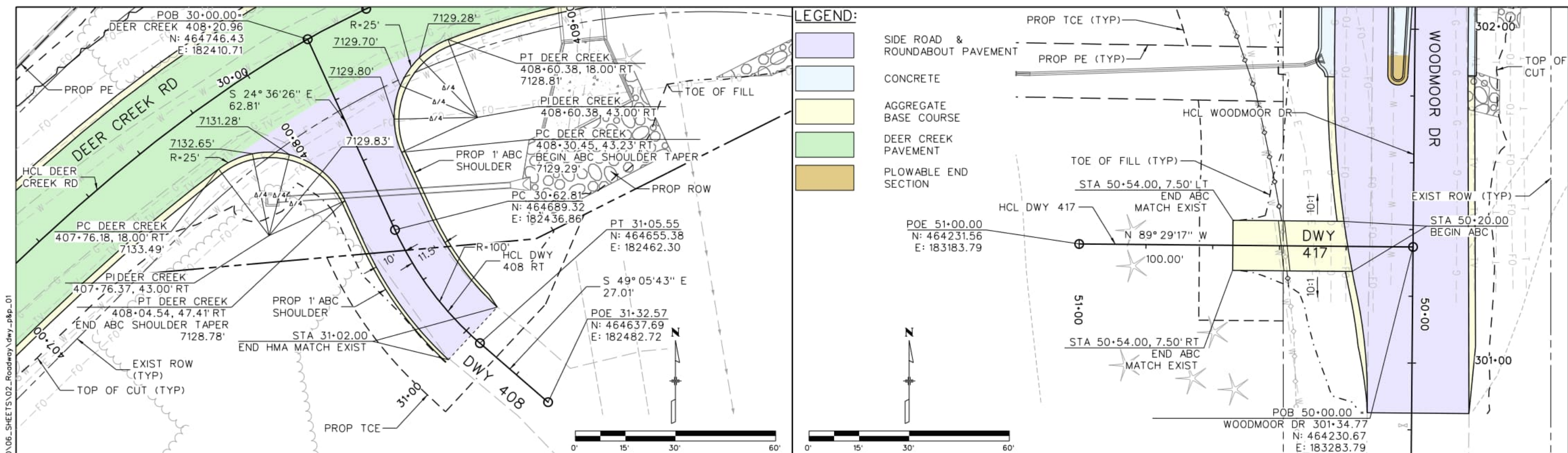


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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

ROADWAY DETAILS
 BASE CAMP & MICROSCOPE

DETAILS 5 of 9
 Sheet Number 067



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Index of Revisions

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EIPaso County
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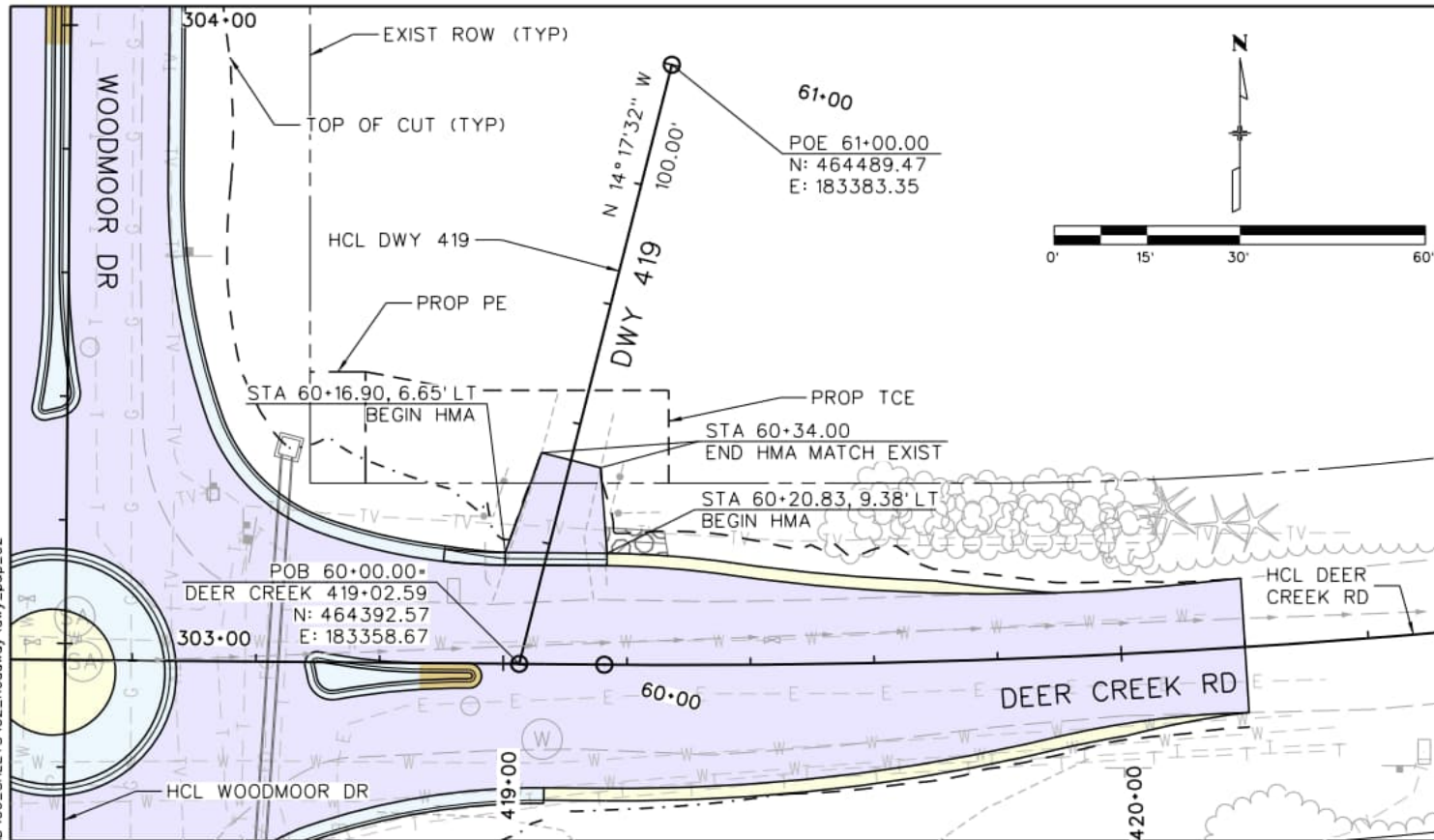
AECOM
 2315 Briargate Pkwy •150
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 Fax: 719-531-0007
 AECOM •60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS

ROADWAY DETAILS DWY 408 RT & DWY 417 RT	DETAILS 6 of 9 Sheet Number 068
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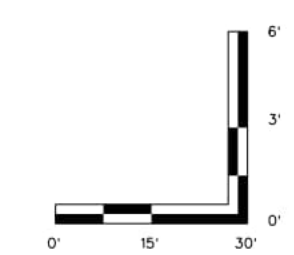
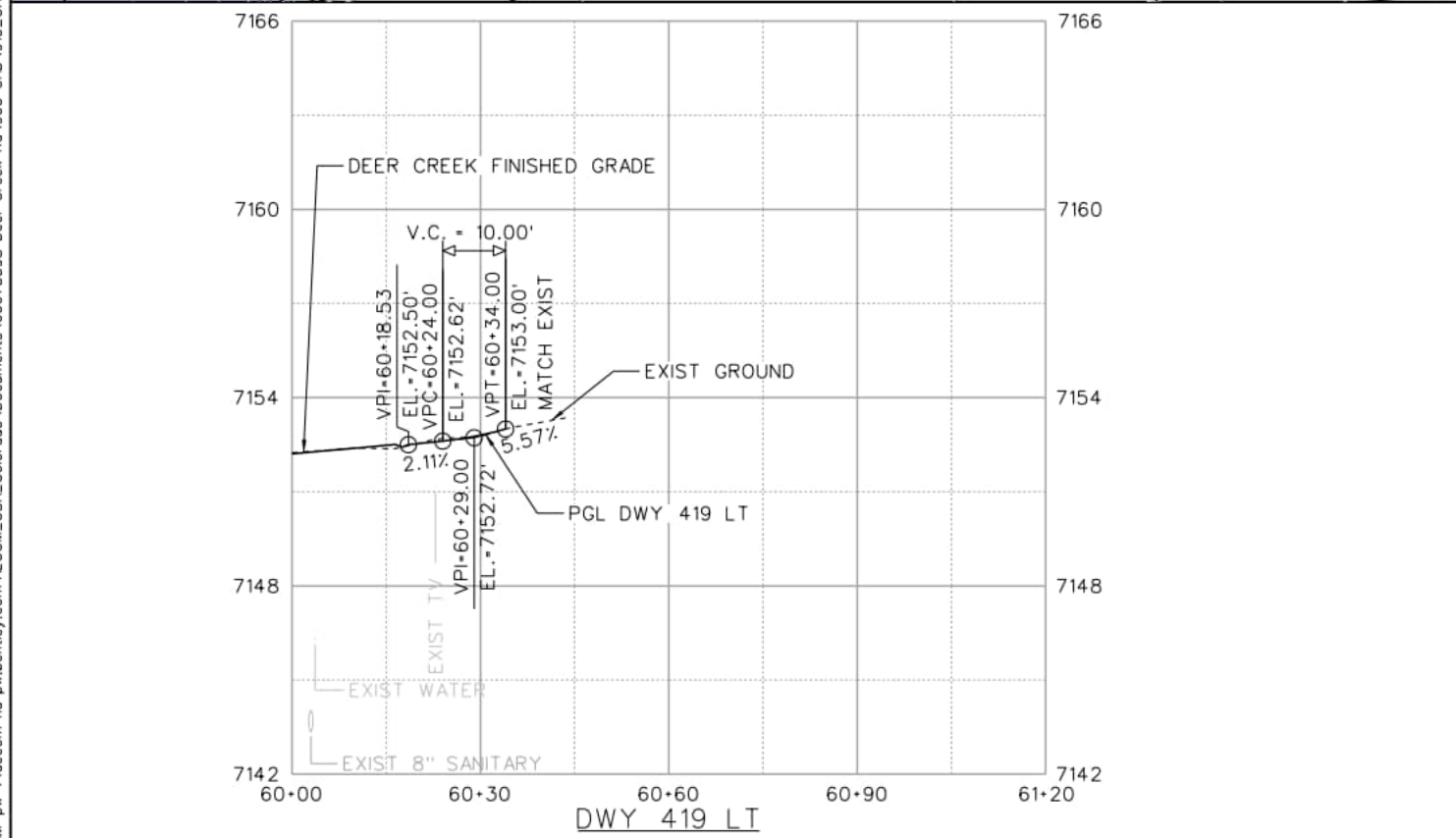
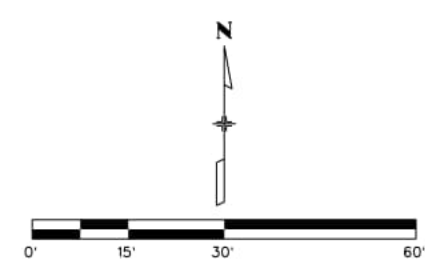
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LEGEND:

- SIDE ROAD & ROUNDABOUT PAVEMENT
- CONCRETE
- AGGREGATE BASE COURSE
- DEER CREEK PAVEMENT
- PLOWABLE END SECTION



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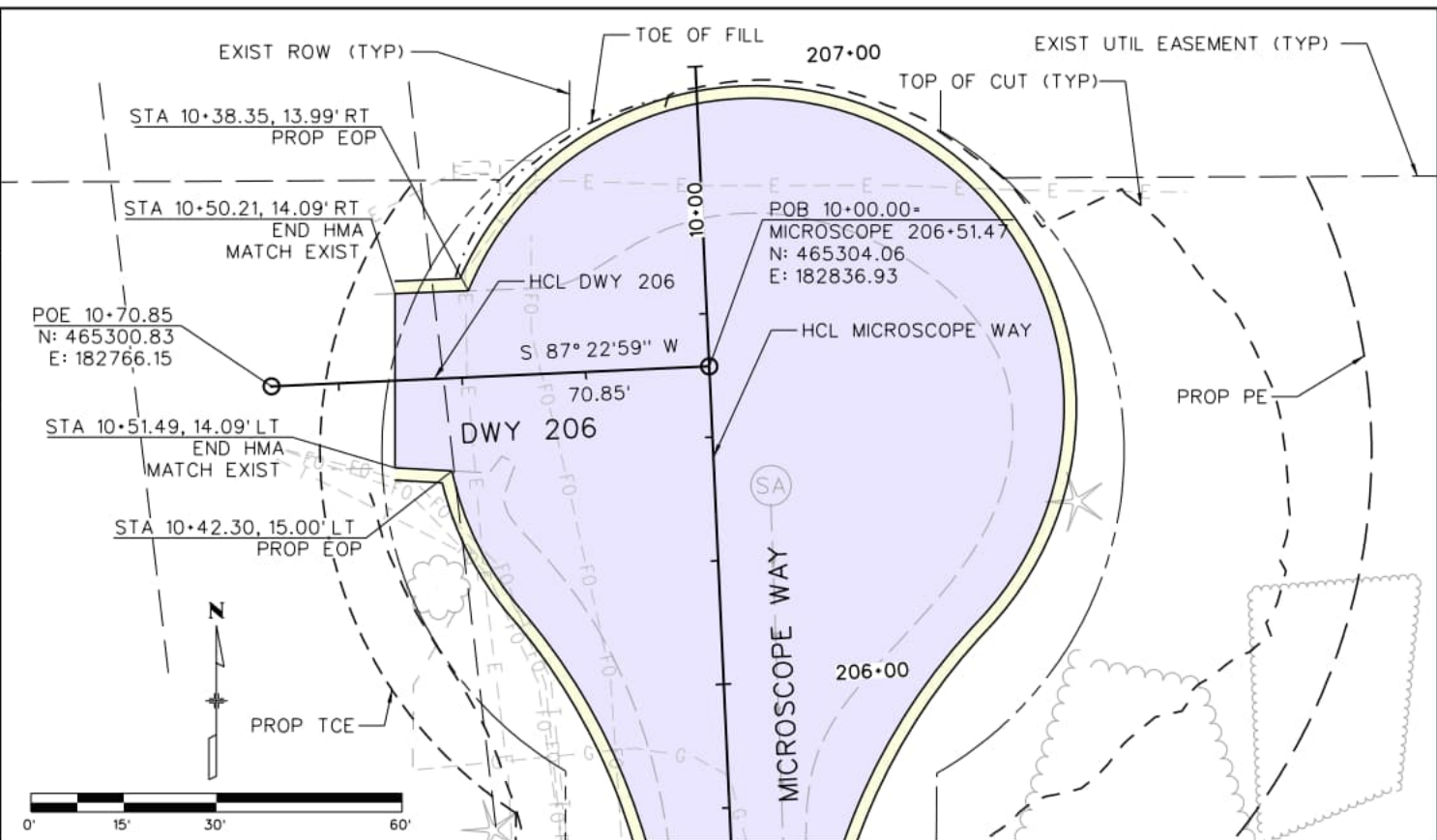
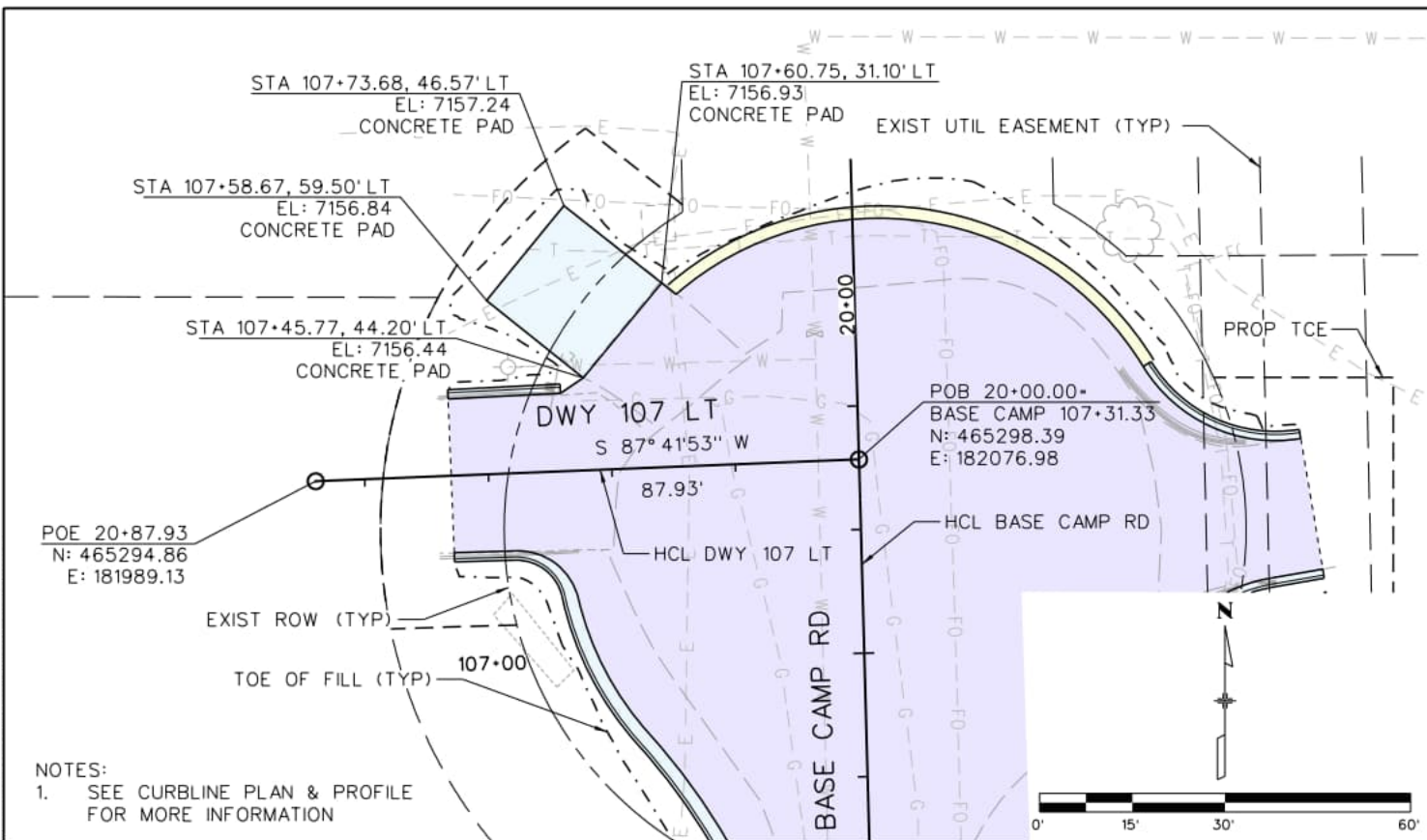
EIPaso County
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 Colorado Springs, CO 80920
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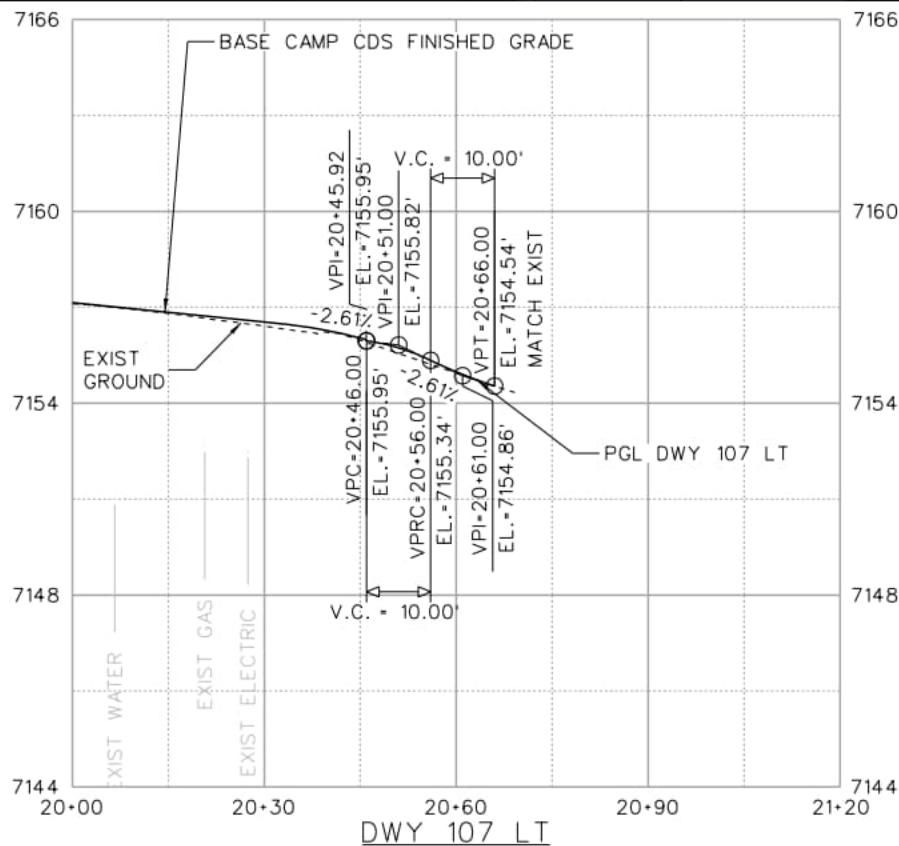
DEER CREEK ROAD INTERSECTION IMPROVEMENTS

ROADWAY DETAILS DWY 419 LT	DETAILS 7 of 9 Sheet Number 069
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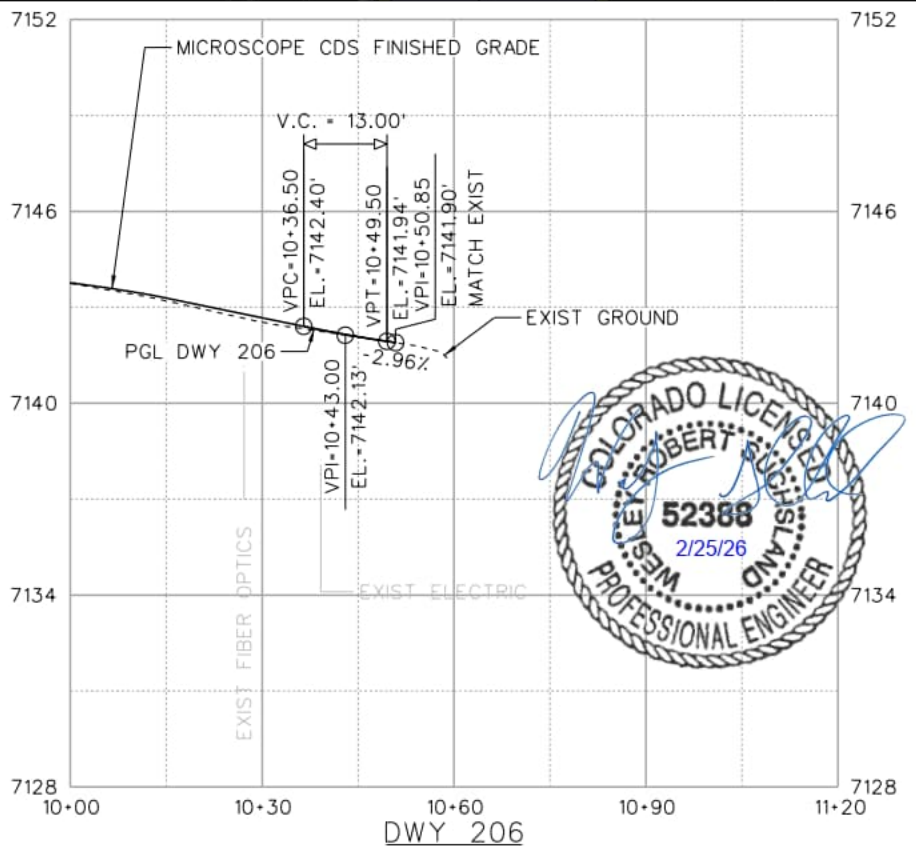
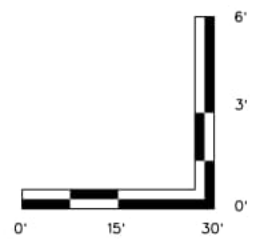


NOTES:
1. SEE CURBLINE PLAN & PROFILE FOR MORE INFORMATION



LEGEND:

- SIDE ROAD & ROUNDABOUT PAVEMENT
- CONCRETE
- AGGREGATE BASE COURSE
- DEER CREEK PAVEMENT
- PLOWABLE END SECTION



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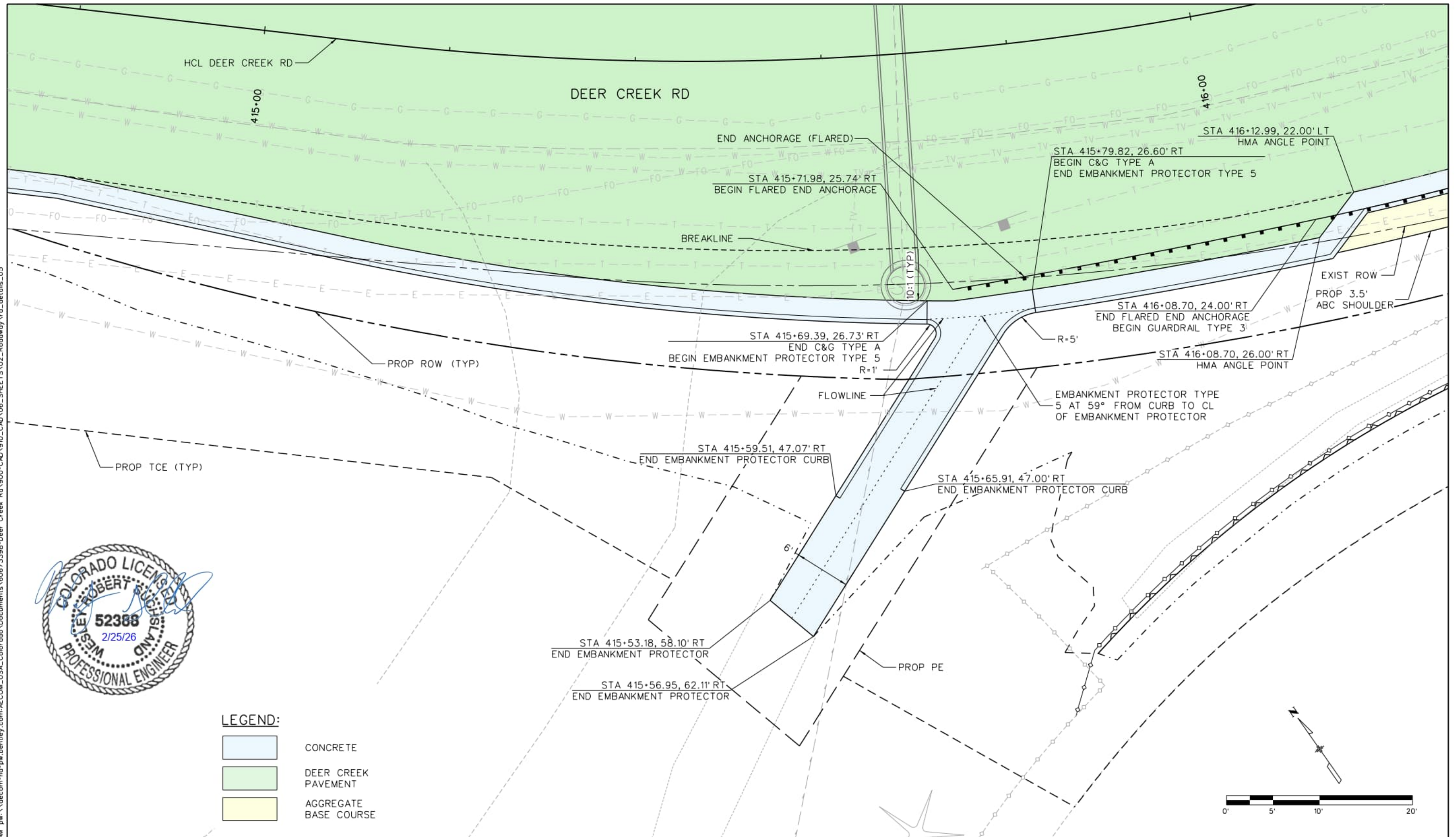


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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

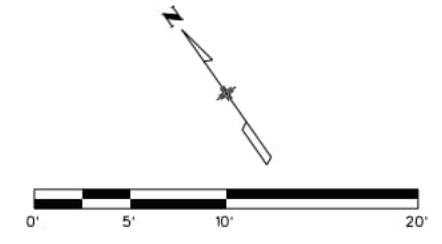
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	DEER CREEK PAVEMENT
	AGGREGATE BASE COURSE



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Designer: PDC Detailer: PDC Checker: WRS
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Index of Revisions

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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
ROADWAY DETAILS GUARDRAIL PAVEMENT	DETAILS 9 of 9 Sheet Number 071

EL PASO COUNTY



DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION

FINAL PLANS OF PROPOSED DEER CREEK ROAD INTERSECTION IMPROVEMENTS GRADING AND EROSION CONTROL PLAN

February 25, 2026

EPC *17-067-90

ENGINEER'S STATEMENT:

THE ATTACHED GRADING AND EROSION CONTROL PLAN WAS PREPARED UNDER MY RESPONSIBLE CHARGE AND IN ACCORDANCE WITH THE APPLICABLE STANDARD OF CARE. TO THE EXTENT CONSISTENT WITH THAT STANDARD OF CARE, THE PLAN WAS PREPARED IN GENERAL CONFORMANCE WITH THE CRITERIA ESTABLISHED BY THE COUNTY. I ACCEPT RESPONSIBILITY FOR MY PROFESSIONAL SERVICES IN THE PREPARATION OF THIS PLAN.

03/02/2026

WILL CARRIER, PE #37119

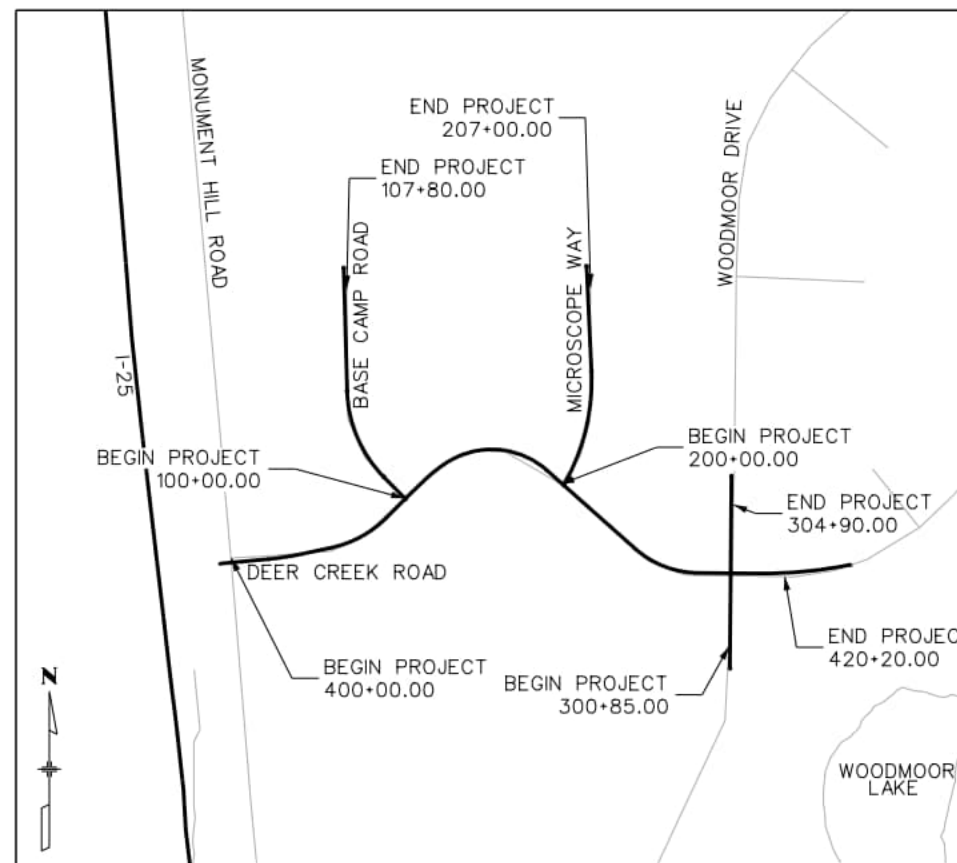
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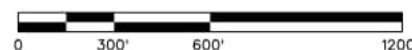
COUNTY PLAN REVIEW IS PROVIDED SOLELY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY OR ADEQUACY OF THE PLANS, AND ACCEPTANCE OF THIS DOCUMENT DOES NOT CONSTITUTE AN ASSUMPTION OF RESPONSIBILITY FOR ITS COMPLETENESS OR ACCURACY.

JOSHUA J PALMER, PE
COUNTY ENGINEER/ECM ADMINISTRATOR

DATE



PROJECT LOCATION MAP



AECOM

2315 BRIARGATE PARKWAY, SUITE 150
COLORADO SPRINGS, CO 80920
719-531-0001
AECOM #60673398

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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: TBD
- B. **PROJECT SITE DESCRIPTION:** The project is located in El Paso County and proposes improvements to Deer Creek Road from Monument Hill Road to Woodmoor Drive as well as Base Camp Road and Microscope Way. Work on the roadway includes widening, paving, grading, and installation of drainage structures and ditches.
- C. **PROPOSED SCHEDULE FOR SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES:** Stabilize all areas that are not paved or landscaped through establishment of vegetation cover. Clearing & grubbing, pavement removal installation of drainage, paving, final grading, and final stabilization.
- D. **ACRES OF DISTURBANCE:**
 1. Total area of construction site (LOC (PERMITTED AREA)): 7.01 acres
 2. Total area of proposed disturbance (LDA): 5.15 acres
 3. Total area of seeding: 1.76 acres
 4. Total area of pre-project impervious surface: 106,721.26 sq. ft.
 5. Total area of final impervious surface: 143,971.52 sq. ft.

E. **EXISTING SOIL DATA:** The site is comprised of Type B rated soils as defined by the Natural Resources Conservation Service Web Soil Survey. Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

The predominant soils within the project site are Pring coarse sandy loam, and Tomah-Crowfoot loamy sands.

The soils include a wind erodibility group rating of 3, on a scale of 1 to 8, with 1 being the most susceptible to wind erosion, and 8 being the least susceptible. A group rating of 3 suggests a moderately high susceptibility to wind erosion, and increased sediment loading in discharge. A large majority of the hydrology site will not be disturbed, allowing for the vegetation to remain in place. For the areas to be disturbed, BMPs will be selected with regard to the erodibility impacts.

<https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>

Data Source(s): NRCS Web Soil Survey

F. **EXISTING VEGETATION, INCLUDING PERCENT OF VEGETATIVE COVER:** The 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 for Construction 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: _____
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:

Post-Construction Date of survey: _____ Percent Vegetative Cover: _____
Description of vegetation: _____ **Date of CDPS-SCP Closure:** _____
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 sources identified are not all inclusive and shall be updated by the SWMP Administrator for Construction prior to the start of construction.

- H. **RECEIVING WATER:**
 1. Outfall locations: Flow from driveway culverts and ditches along Deer Creek Rd, the east side of Base Camp Rd, and both sides of Microscope Way ultimately reach Crystal Creek and flow south. .
 2. Names of immediate receiving water(s) on site: Water from the project flows into Crystal Creek and continues in a southwesterly direction. Ultimate receiving water(s): Monument Lake, approximately 2 miles southeast of the town of the project site.
 3. Description of all stream crossings located within the Construction Site Boundary:

Location	Stream Name	Description Of Any Disturbed Upland Areas
Deer Creek Rd STA 409+00	Crystal Creek	N/A

I. **ALLOWABLE NON-STORMWATER DISCHARGES:**

Discharge Description	Site Map	Method Statement (Location)
N/A		

If non-stormwater discharges are encountered, the SWMP Administrator for Construction and the Erosion Control Inspector shall identify on the plans where the discharge has been encountered and the appropriate handling method selected.

J. **DESCRIPTION OF DRAINAGE PATTERNS FROM THE SITE:** Drainage from the site runs from northeast to southwest.

K. **ALTERNATIVE DIVERSION CRITERIA:** When applicable, The Contractor is to provide a method statement based on data provided by the Hydraulic Engineer. The alternative diversion must be approved by CDPHE's Water Quality Control Division prior to implementation. The diversion method must be designate to minimize the discharge of pollutants and prevent the potential for pollution or degradation to state waters as a result of the diverted flow through the diversion structure. In addition, the alternative diversion method must minimize the discharge of pollutants throughout the installation, implementation and removal of the diversion.]

L. **ALTERNATIVE TEMPORARY STABILIZATION SCHEDULE:** For use during construction.

2. SITE MAP COMPONENTS :

Pre-construction

- A. **PROJECT CONSTRUCTION POTENTIAL SITE BOUNDARIES:** SEE SWMP PLANS
- B. **FLOW ARROWS THAT DEPICT STORMWATER FLOW DIRECTIONS ON-SITE, RUN-ON AND RUNOFF DIRECTION:** SEE SWMP PLANS
- C. **ALL AREAS OF GROUND SURFACE DISTURBANCE:** SEE SWMP PLANS



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Date:	Comments	Init.															

D. AREAS OF CUT AND FILL: SEE SWMP PLANS

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 PLANS

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

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

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 PLANS

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

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

K. LOCATIONS WHERE ALTERNATIVE TEMPORARY STABILIZATION SCHEDULES APPLY: SEE SWMP PLANS

3. QUALIFIED STORMWATER MANAGERS:

A. SWMP ADMINISTRATOR FOR DESIGN: Certified individual meeting ECM Appendix I.5.2.A requirements 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-pp-requirements-swmp-development-tools-1>

Name/Title	Contact Information	Certification #
Will Carrier, PE	Will.Carrier@aecom.com	PE # 37119

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.)

The SWMP should be viewed as a "living document" that is continuously being reviewed and modified as part of the overall process of evaluating and managing stormwater quality issues throughout the site. The SWMP Administrator for Construction shall amend the SWMP when there is a change in design, construction, O&M of the site which would require implementation of new or revised BMPs, or if the SWMP proves to be ineffective in achieving the general objectives of controlling pollutants in stormwater discharges associated with construction activity or when BMPs are no longer necessary and are removed.

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/assets/construction-phase-inspection-and-verification-checklist-for-successful-roadside-revegetation>

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 Substantial Landscape Completion Walkthrough.
7. Attend the Final Landscape Completion Walkthrough.

Name/Title	Contact Information

4. STORMWATER MANAGEMENT CONTROLS FOR FIRST CONSTRUCTION ACTIVITIES

THE CONTRACTOR SHALL PERFORM THE FOLLOWING:

A. POTENTIAL POLLUTANT SOURCES:

Potential pollutant sources that could be encountered include, but are not limited to: disturbed and stored soils; vehicle tracking; management of contaminated soils; loading and unloading operations; outdoor storage of materials; vehicle and equipment maintenance and fueling; significant dust generating processes; routine maintenance activities involving fertilizer, pesticides, herbicides, detergents, fuels, solvents, oils, etc.; on-site waste management; concrete truck/equipment washing; dedicated asphalt, concrete batch plants and masonry mixing stations; non-industrial waste such as trash and portable toilets.

The SWMP administrator for construction shall coordinate with the selected contractor to determine appropriate BMPs to be implemented for the pollutant sources and shall submit the plan prior to the start of construction. 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 offsite run-on water in accordance with subsection 208.03.

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.

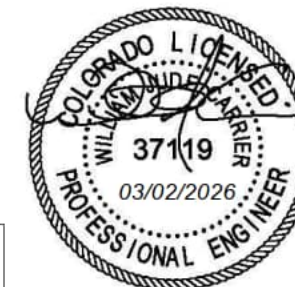
During construction, indicate how items have not addressed during design are being handled in construction. If items are covered in other sections of the SWMP, indicate below what section the discussion takes place.

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



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<p>Computer File Information</p> <p>Print Date: 3/2/2026</p> <p>File Name: SWMP_Narrative_02.dgn</p> <p>Last Modification Date: 5/29/2024</p> <p>Designer: JB Detailer: CS Checker: WC</p> <p>11x17 Scale: 1"= N/A Units: Survey Feet</p>	<p>Index of Revisions</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date:</th> <th>Comments</th> <th>Init.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	Date:	Comments	Init.													<p>EIPaso County Department of Public Works 3275 Akers Dr Phone: 719-520-6460 Fax: 719-520-6879</p>	<div style="display: flex; align-items: center;"> <div> <p>AECOM</p> <p>2315 Briargate Pkwy #150 Colorado Springs, CO 80920 Phone: 719-531-0001 Fax: 719-531-0007 AECOM #60673398</p> </div> </div>
Date:	Comments	Init.																
<p>DEER CREEK ROAD INTERSECTION IMPROVEMENTS</p>																		
<p>GRADING AND EROSION CONTROL PLAN</p>			<p>SWMP 2 of 7</p>															
<p>NOTES</p>			<p>Sheet Number 074</p>															



- 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
- E. CONCRETE WASHOUT: Concrete washout water or waste from field laboratories and paving equipment shall be contained in accordance with subsection 208.05.
- F. SAW CUTTING: Shall be done in accordance with subsections 107.25, 208.04, 208.05
- G. 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 207.03 and 212.05.

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). Permanent stabilization includes a final vegetative cover density to be 70% of pre-disturbed levels.

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. PER
Black Grama	<i>Bouteloua eriopoda</i> Sonora	0.3
James' Galleta	<i>Pleuraphis jamesii</i> Viva	3.0
Sideoats Grama	<i>Bouteloua curtipendula</i> Butte	2.8
Sand Dropseed	<i>Sporobolus cryptandrus</i> VNS	0.1
Little Bluestem	<i>Schizachyrium scoparium</i> Aldous	1.7
Scarlet Gilia	<i>Ipomopsis aggregata</i> ssp. <i>Aggregata</i> VNS	1.2
Alkali Sacaton	<i>Sporobolus airoides</i> Salado	0.2
Western Wheatgrass	<i>Pascopyrum smithii</i> Arriba	3.7
	Total	13.0

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.

SEEDING METHOD (subsection 212.05)	ACRE
Seeding (Native) Drill, CDOT Pay Item 212-00706	1.68
Seeding (Native) Broadcast CDOT Pay Item 212-00708	0.08
TOTAL	1.76

C. SOIL STABILIZATION METHODS: Minimum soil stabilization methods (attached mulch) for all disturbances to receive seeding.

- 1. Apply certified weed free hay or certified weed free straw and mechanically crimp into the soil in combination with natural mulch tackifier in accordance with Section 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.

1.68 Total Acres of Seeding (Native) Drill

Seeding (Native) Drill Pay Item	Description	Amount / Acres	Units	Total For This Method
212-00700	Organic Fertilizer Low Nitrogen	300	Pounds	504
212-00701	Compost (Mechanically Applied)	65	CY	109
212-00703	Humate	150	Pounds	252
212-00704	Mycorrhizae	8	Pounds	13

0.08 Total Acres of Seeding (Native) Broadcast

Seeding (Native) Broadcast Pay Item	Description	Amount / Acres	Units	Total For This Method
212-00700	Organic Fertilizer Low Nitrogen	300	Pounds	24
212-00701	Compost (Mechanically Applied)	65	CY	5
212-00703	Humate	150	Pounds	12
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 partial acceptance.

- 1. All seeded areas shall be reviewed during the 7 day inspections 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 until Final Acceptance of the stormwater construction work and closure of permits.

H. LOCATION AND DESCRIPTION OF PLANNED PERMANENT CONTROL MEASURES: _____ Is

Permanent Water Quality Required. Yes No .
Permanent control measures consist of receiving pervious areas (RPA) and ditches that will provide runoff reduction and minor water quality. See plans for locations of RPAs and ditches.

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 Specification 208.10 for Items to be completed prior to requesting partial acceptance of water quality work.

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Computer File Information		Index of Revisions		El Paso County Department of Public Works 3275 Akers Dr Phone: 719-520-6460 Fax: 719-520-6879	AECOM 2315 Briargate Pkwy #150 Colorado Springs, CO 80920 Phone: 719-531-0001 Fax: 719-531-0007 AECOM #60673398		DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
Print Date: 3/2/2026		Date:	Comments				Init.	GRADING AND EROSION CONTROL PLAN
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Designer: JB Detailer: CS Checker: WC	<input type="checkbox"/>							
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11. NARRATIVES

Control Measure Matrixes During Construction:

- 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 added to the SWMP. The appropriate "X" shall also be added to the implementation phase(s).
- The SWMP Administrator for Construction shall place an "X" in the column in Use On Site when the control measure has been installed.
- 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 <i>Fence (plastic) and erosion logs</i>	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 <i>Fence (plastic)</i>	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.			B	X	
CHECK DAM/DITCH CHECK <i>Erosion log, silt berm, silt dike, rock check dam</i>	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			X	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 <i>Erosion logs, aggregate bags</i>	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 <i>Erosion logs, aggregate bags, erosion bales</i>	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			X	
STOCKPILE PROTECTION <i>Temporary berm, erosion logs, aggregate bags*</i>	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 <i>Erosion logs, temporary berm, silt fence, topsoil windrow*</i>	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		X	X	
PERIMETER CONTROL <i>Erosion logs, silt fence, temporary berm, topsoil windrow*</i>	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	
SEDIMENT CONTROL/ SLOPE CONTROL <i>Silt fence, erosion logs</i>	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	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		X	X	
EMBANKMENT PROTECTION OR TEMPORARY SLOPE DRAIN	<u>Placed as a conduit or chute to drain runoff down slope and to prevent erosion of slope.</u>	M-208			X	X
OUTLET PROTECTION <i>Riprap, or approved other</i>	Material placed as an energy dissipater to prevent erosion at outlet structure.	M-601-12			X	X
CONCRETE WASHOUT <i>In-ground or fabricated</i>	Construction control, used for waste management of concrete and concrete equipment cleaning. Place prior to the start of concrete activities.	M-208		X	X	
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 <i>(Contractor is responsible for obtaining a permit from Colorado Department of Health and Environment.)</i>	Shall be done in such a manner to prevent potential pollutants from entering state waters.				X	
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.				X	
OTHER						



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AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS

GRADING AND EROSION CONTROL PLAN

SWMP 4 of 7

NOTES

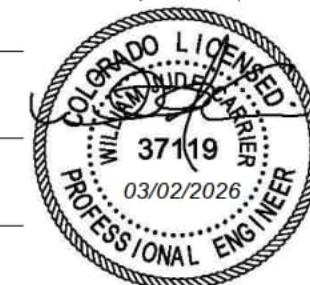
Sheet Number 076

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 Fence (plastic)	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	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 Windrow or 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 SEEDING (TEMPORARY)	Temporary stabilization of disturbance and to minimize wind and erosion.				X	
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.				X	
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	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				X	X
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	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				X
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	X	
OTHER						



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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
GRADING AND EROSION CONTROL PLAN	SWMP 5 of 7
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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.
https://www.codot.gov/business/designsupport/cdot-construction-specifications/2019-construction-specifications/project-special-provision-work-sheets?b_start:int=20

PSP Spe	Pay Item	Description	Pay Unit	Initial Const.	Interim Const.	Permanent Stabilization	*Total Quantity
	202-04002	CLEAN CULVERT	EACH			13	13
	203-01500	BLADING	HOUR		100	35	135
	203-01620	SWEEPING	HOUR		120	60	180
	207-00700	TOPSOIL (ONSITE)	CY			1420	1420
	208-00002	EROSION LOG TYPE 1 (12 INCH)	LF	1134	3399		4533
	208-00035	AGGREGATE BAG	LF		90		90
	208-00045	CONCRETE WASHOUT STRUCTURE	EACH		2		2
	208-00070	VEHICLE TRACKING PAD	EACH		2		2
	208-00103	REMOVAL AND DISPOSAL OF SEDIMENT (LABOR)	HOUR		70	30	100
	208-00105	REMOVAL AND DISPOSAL OF SEDIMENT (EQUIPMENT)	HOUR		62	15	77
	208-00207	EROSION CONTROL MANAGEMENT	DAY	2	95	20	117
	212-00006	SEEDING (NATIVE)	ACRE			1.58	1.68
	212-00009	SEEDING (TEMPORARY)	ACRE			1.76	1.76
	212-00700	ORGANIC FERTILIZER	POUNDS			528	528
	212-00701	COMPOST (MECHANICALLY APPLIED)	CY			114	114
	212-00703	HUMATE	POUNDS			264	264
	212-00704	MYCORRHIZAE	POUNDS			15	15
	212-00708	SEEDING (NATIVE) BROADCAST	ACRE			0.08	0.08
	213-00003	MULCHING (WEED FREE)	ACRE			0.79	0.79
	213-00061	MULCH TACKIFIER	POUNDS			158	158
	216-00021	SOIL RETENTION BLANKET (CLASS 1)	SY			3372	3372
	216-00303	TURF REINFORCEMENT MAT (CLASS 3)	SY			1130	1130
	607-11525	FENCE (PLASTIC)	LF			525	525
	700-70380	F/A EROSION CONTROL	FA				1

*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: YES
2. Stream Impacts: YES
3. Threatened and Endangered Species: None














B. DEWATERING:

<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.

SYMBOLS LEGEND

(LDA)	— LDA —	LIMIT OF DISTURBED AREA
(LOC)	— LOC —	LIMIT OF CONSTRUCTION AREA
(CIP)		CULVERT INLET PROTECTION
(OP)		OUTLET PROTECTION
(IP)		INLET PROTECTION
(ECL)		EROSION CONTROL LOG
(AB)		AGGREGATE BAG
		DIRECTION OF FLOW
(VTP)		VEHICLE TRACKING PAD
(SM)		SEEDING AND MULCHING
(SRB)		CLASS 1 SOIL RETENTION BLANKET
(TRM)		CLASS 3 TRM
	--- TOP OF CUT	
	- - - - - TOE OF FILL	
(PF)	— PF —	FENCE (PLASTIC)
		CONCRETE
		RECEIVING PERVIOUS AREA (RPA)
		SEPARATED PERVIOUS AREA (SPA)



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11x17 Scale: 1"= N/A Units: Survey Feet	

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 AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
GRADING AND EROSION CONTROL PLAN	SWMP 6 of 7
NOTES	Sheet Number 078

STANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION CONTROL PLANS

- Stormwater discharges from construction sites shall not cause or threaten to cause pollution, contamination, or degradation of State Waters. All work and earth disturbance shall be done in a manner that minimizes pollution of any on-site or off-site waters, including wetlands.
- Notwithstanding anything depicted in these plans in words or graphic representation, all design and construction related to roads, storm drainage and erosion control shall conform to the standards and requirements of the most recent version of the relevant adopted El Paso County standards, including the Land Development Code, the Engineering Criteria Manual, the Drainage Criteria Manual, and the Drainage Criteria Manual Volume 2. Any deviations from regulation and standards must be requested, and approved, in writing.
- A separate Stormwater Management Plan (SWMP) for this project shall be completed and an Erosion and Stormwater Quality Control Permit (ESQCP) issued prior to commencing construction. Management of the SWMP during construction is the responsibility of the designated Qualified Stormwater Manager or Certified Erosion Control Inspector. The SWMP shall be located on site at all times during construction and shall be kept up to date with work progress and changes in the field.
- Once the ESQCP is approved and a "Notice to Proceed" has been issued, the contractor may install the initial stage erosion and sediment control measures as indicated on the approved GEC. A Preconstruction Meeting between the contractor, engineer, and El Paso County will be held prior to any construction. It is the responsibility applicant to coordinate the meeting time and place with County staff.
- Control measures must be installed prior to commencement of activities that could contribute pollutants to stormwater. Control measure for all slopes, channels, ditches, and disturbed land areas shall be installed immediately upon completion of disturbance.
- All temporary sediment and erosion control measures shall be maintained and remain in effective operating condition until permanent soil erosion control measure are implemented and final stabilization is established. All persons engaged in land disturbance activities shall assess the adequacy of control measure at the site and identify if changes to those control measure are needed to ensure the continued effective performance of the control measures. All changes to temporary sediment and erosion control measures must be incorporated into the Stormwater Management Plan.
- Temporary stabilization shall be implemented on disturbed areas and stockpiles where ground disturbing construction activity has permanently ceased or temporarily ceased for longer than 14 days.
- Final stabilization must be implemented at all applicable construction sites. Final stabilization is achieved when all ground disturbing activities are complete and all disturbed areas either have a uniform vegetative cover with individual plant density of 70 percent of pre-disturbance levels established or equivalent permanent alternative stabilization method is implemented. All temporary sediment and erosion measures shall be removed upon final stabilization and before permit closure.
- All permanent stormwater management facilities shall be installed as designed in the approved plans. Any proposed changes that effect the design of function of permanent stormwater management structure must be approved by the ECM Administrator prior to implementation.
- Earth disturbances shall be conducted in such a manner so as to effectively minimize accelerated soil erosion and resulting sedimentation. All disturbances shall be designed, constructed, and completed so that the exposed area of any disturbed land shall be limited to the shortest practical period of time. Pre-existing vegetation shall be protected and maintained within 50 horizontal feet of a waters of the state unless shown to be infeasible and specifically requested and approved.
- Compaction of soil must be prevented in areas designated for infiltration control measures or where final stabilization will be achieved by vegetative cover. Areas designated for infiltration control measures shall also be protected from sedimentation during construction until final stabilization is achieved. If compaction prevention is not feasible due to site constraints, all areas designated for infiltration and vegetation control measure must be loosened prior to installation of the control measure(s).

- Any temporary or permanent facility designed and constructed for the conveyance of stormwater around, through, or from the earth disturbance area shall be a stabilized conveyance designed to minimize erosion and the discharge of sediment off site.
- Concrete wash water shall be contained and disposed of in accordance with the SWMP. No wash water shall be discharged to or allowed to enter State Waters, including and surface or subsurface storm drainage system or facilities. Concrete washouts shall not be located in an area where shallow groundwater may be present, or within 50 feet of a surface water body, creek or stream.
- During dewatering operations of uncontaminated ground water may be discharged on site, but shall not leave the site in the form of surface runoff unless an approved State dewatering permit is in place.
- Erosion control blanketing or other protective covering shall be used on slopes steeper than 3:1.
- Contractor shall be responsible for the removal of all wastes from the construction site for disposal in accordance with local and State regulatory requirements. No construction debris, tree slash, building material wastes or unused building materials shall be buried, dumped, or discharged at the site.
- Waste materials shall not be temporarily placed or stored in the street, alley, or other public way, unless in accordance with an approved Traffic Control Plan. Control measures may be required by El Paso County Engineering if deemed necessary, based on specific conditions and circumstances.
- Track of soils and construction debris off-site shall be minimized. Material tracked off-site shall be cleaned up and properly disposed of immediately.
- The owner/developer shall be responsible for the removal of all construction debris, dirt, trash, rock, sediment, soil, and sand that may accumulate in roads, storm drains and other drainage conveyance systems and stormwater appurtenances as a result of site development.
- The quantity of materials stored on the project site shall be limited, as much as practical, to that quantity required to perform the work in an orderly sequence. All materials stored on-site shall be stored in a neat, orderly manner, in their original containers, with original manufacturer's labels.
- No chemical(s) having the potential to be released in stormwater are to be stored or used onsite unless permission for the use of such chemical(s) is granted in writing by the ECM Administrator. In granting approval for the use of such chemical(s), special conditions and monitoring may be required.
- Bulk storage of allowed petroleum products or other allowed liquid chemicals in excess of 55 gallons shall require adequate secondary containment protection to contain all spills onsite and to prevent any spilled materials from entering State Waters, any surface or subsurface storm drainage system of other facilities.
- No person shall cause the impediment of stormwater flow in the curb and gutter or ditch except with approved sediment control measures.
- Owner/developer and their agents shall comply with the "Colorado Water Control Act" (Title 25, Article 8, CRS), and the "Clean Water Act" (33 USC 1344), in addition to the requirements of the Land Development Code, DCM Volume II and the ECM Appendix I. All appropriate permits must be obtained by the contractor prior to construction (1041, NPDES, Floodplain, 404, fugitive dust, etc.). In the event of conflicts between these requirements and other laws, rules, or regulations of other Federal, State, local, or County agencies, the most restrictive laws, rules, or regulations shall apply.
- All construction traffic must enter/exit the site only at approved construction access points.
- Prior to construction the permittee shall verify the location of existing utilities.
- A water source shall be available on site during earthwork operations and shall be utilized as required to minimize dust from earthwork equipment and wind.
- The soils report for this site has been prepared by Kumar and Associates west of the roundabout and Vivid Engineering Group around the roundabout and shall be considered part of these plans.
- At least ten (10) days prior to the anticipated start of construction, for projects that will disturb one (1) acre or more, the owner or operator of construction activity shall submit a permit application for stormwater discharge to the Colorado Department of Public Health and Environment, Water Quality Division. The application contains certification of completion of a stormwater management plan (SWMP), of which this Grading and Erosion Control Plan may be a part. For information or application materials contact:

Colorado Department of Public Health and Environment
 Water Quality Control Division
 WQCD – Permits
 4300 Cherry Creek Drive South
 Denver, CO 80246-1530
 Attn: Permits Unit

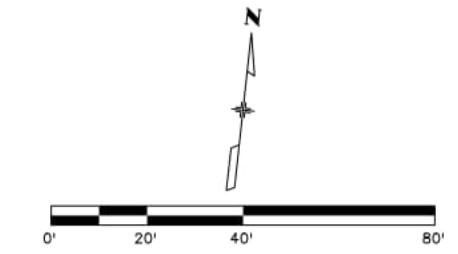
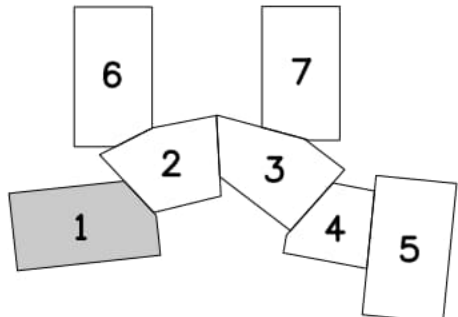
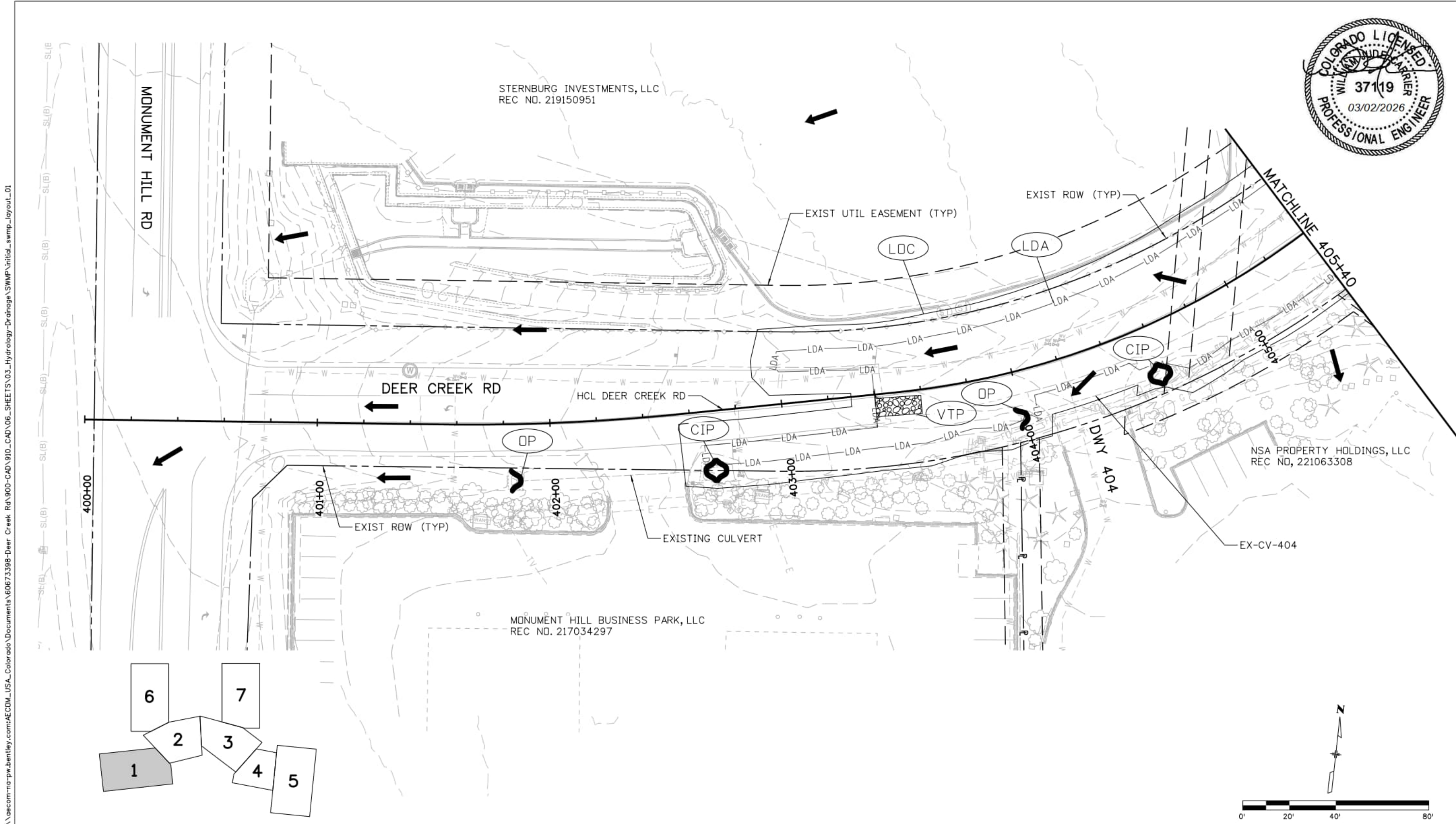


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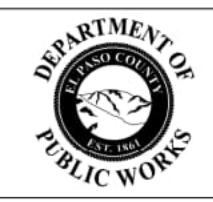


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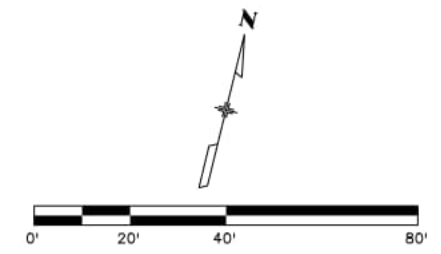
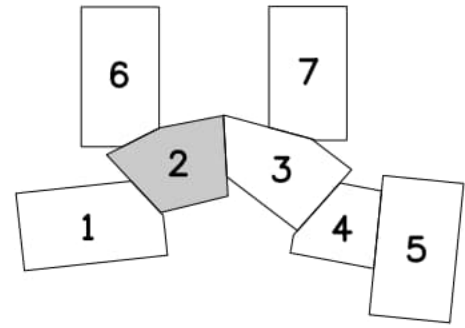
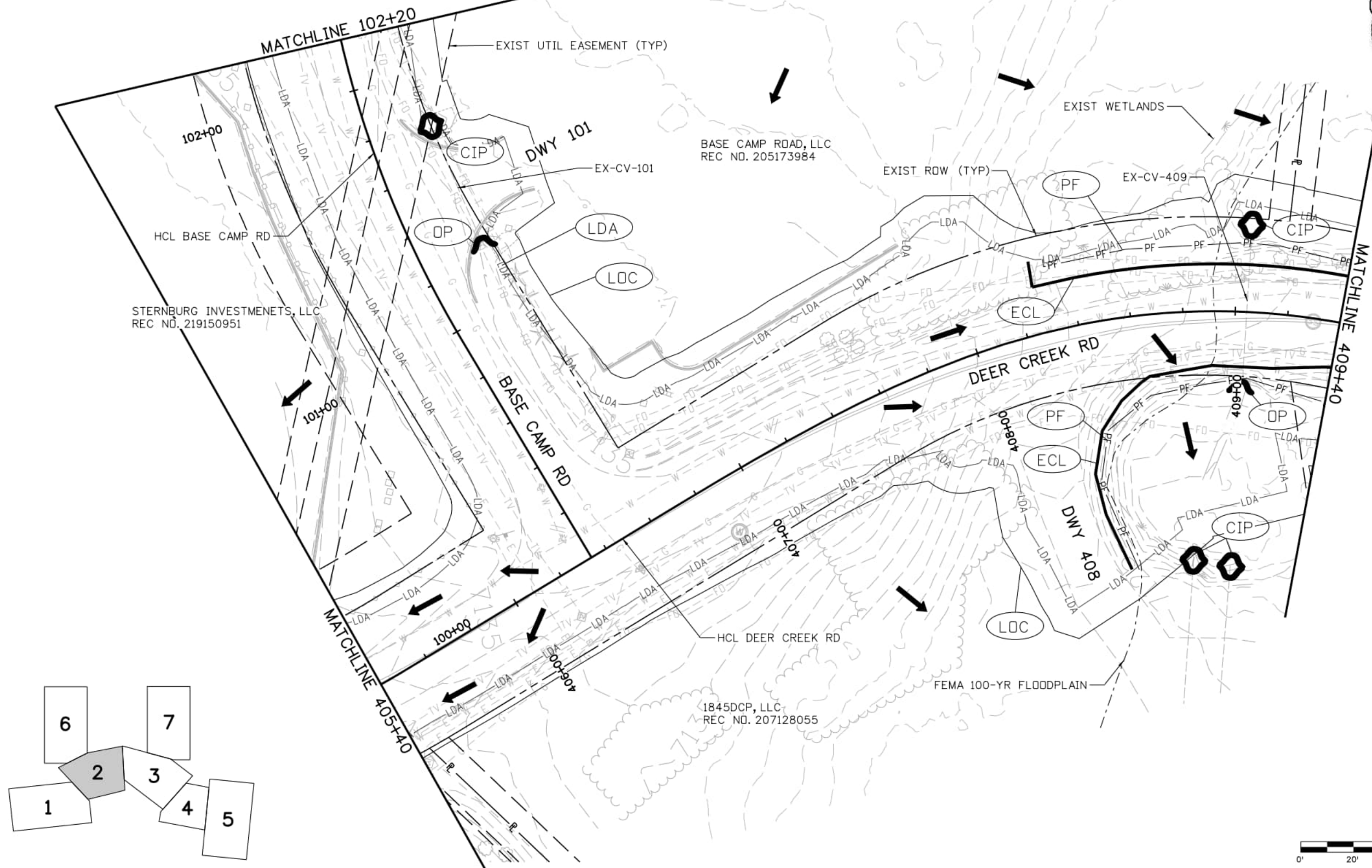
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
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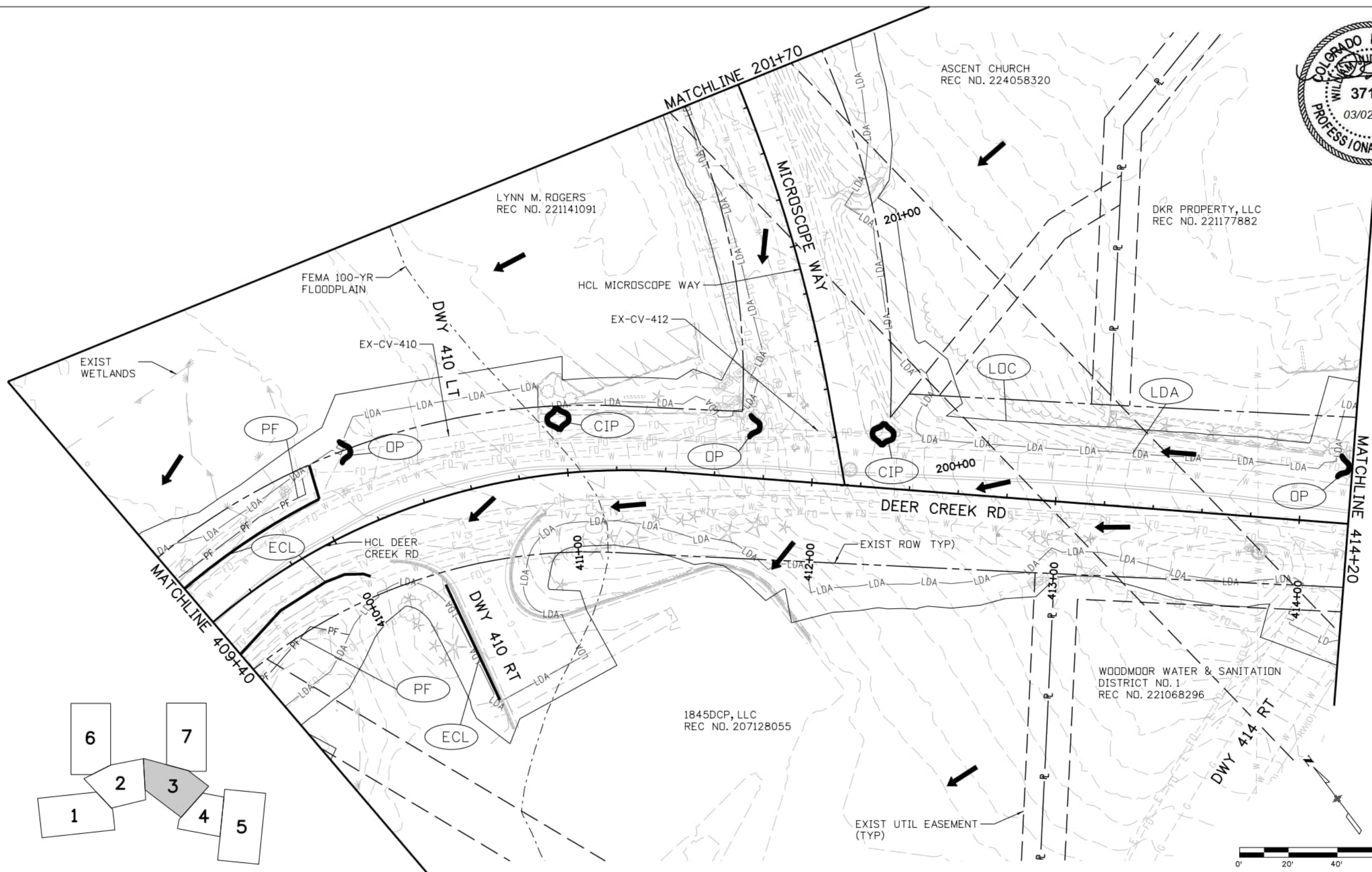
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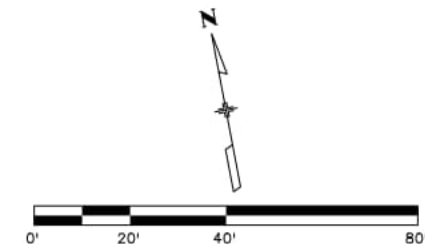
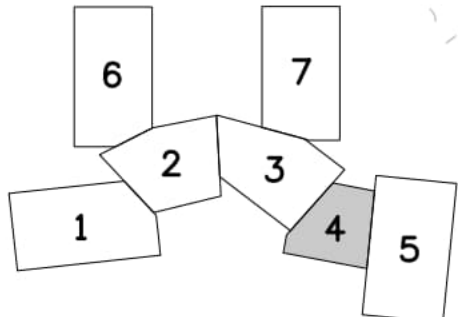
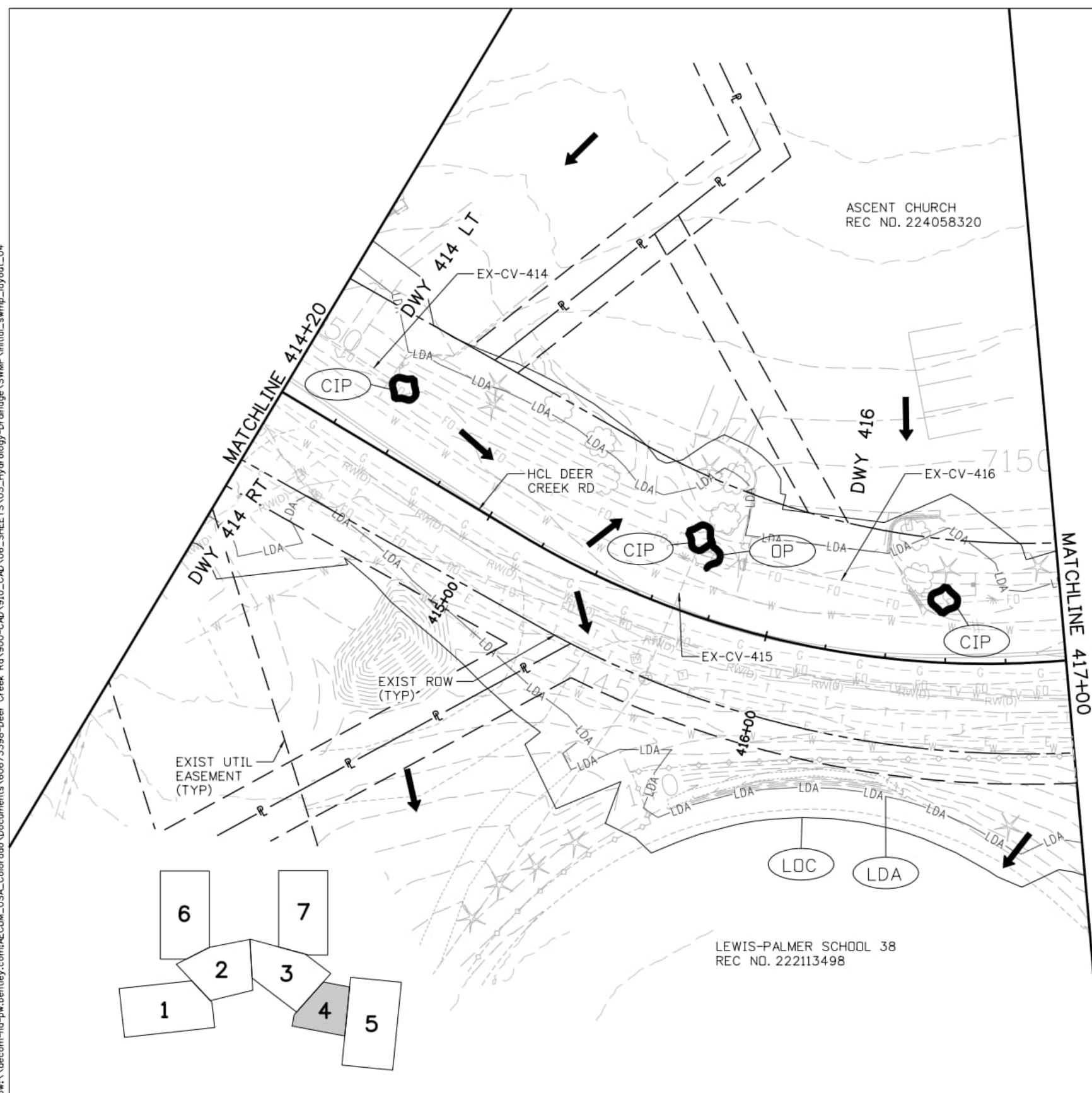


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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

GRADING AND EROSION CONTROL PLAN
 INITIAL - STA 409+40 TO STA 414+20

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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

GRADING AND EROSION CONTROL PLAN
 INITIAL - STA 414+20 TO STA 417+00

SWMP 4 of 7
 Sheet Number **083**



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ASCENT CHURCH
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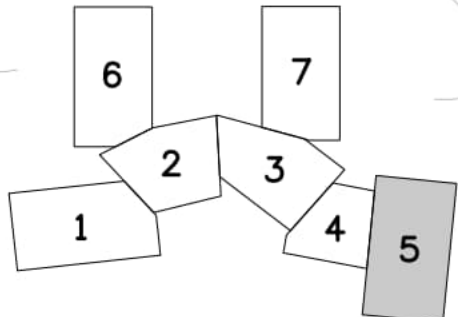
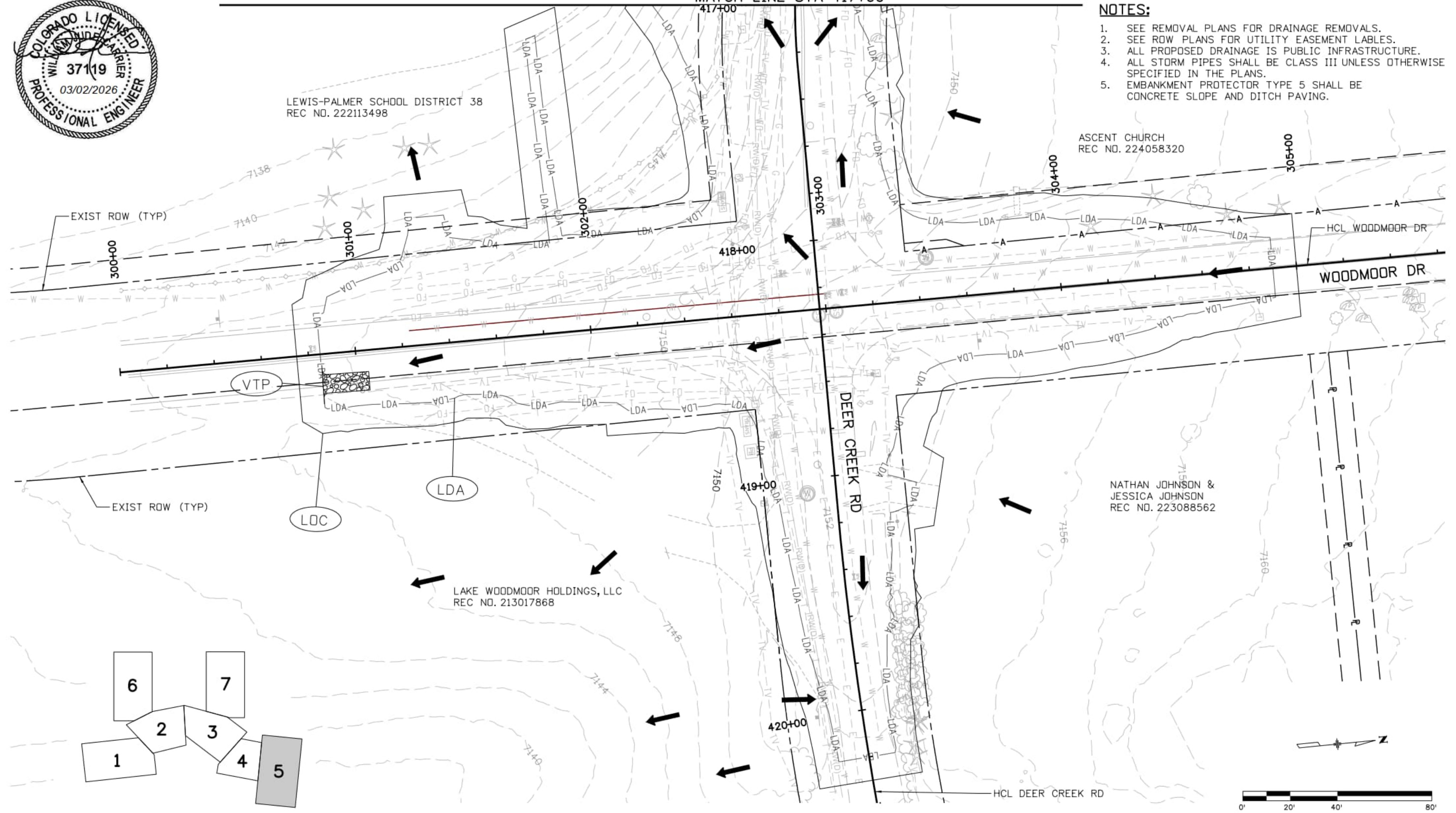
NATHAN JOHNSON &
JESSICA JOHNSON
REC NO. 223088562

LAKE WOODMOOR HOLDINGS, LLC
REC NO. 213017868

NOTES:

1. SEE REMOVAL PLANS FOR DRAINAGE REMOVALS.
2. SEE ROW PLANS FOR UTILITY EASEMENT LABELS.
3. ALL PROPOSED DRAINAGE IS PUBLIC INFRASTRUCTURE.
4. ALL STORM PIPES SHALL BE CLASS III UNLESS OTHERWISE SPECIFIED IN THE PLANS.
5. EMBANKMENT PROTECTOR TYPE 5 SHALL BE CONCRETE SLOPE AND DITCH PAVING.

MATCH LINE STA 417+00



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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

GRADING AND EROSION CONTROL PLAN
INITIAL - STA 417+00 TO 420+20

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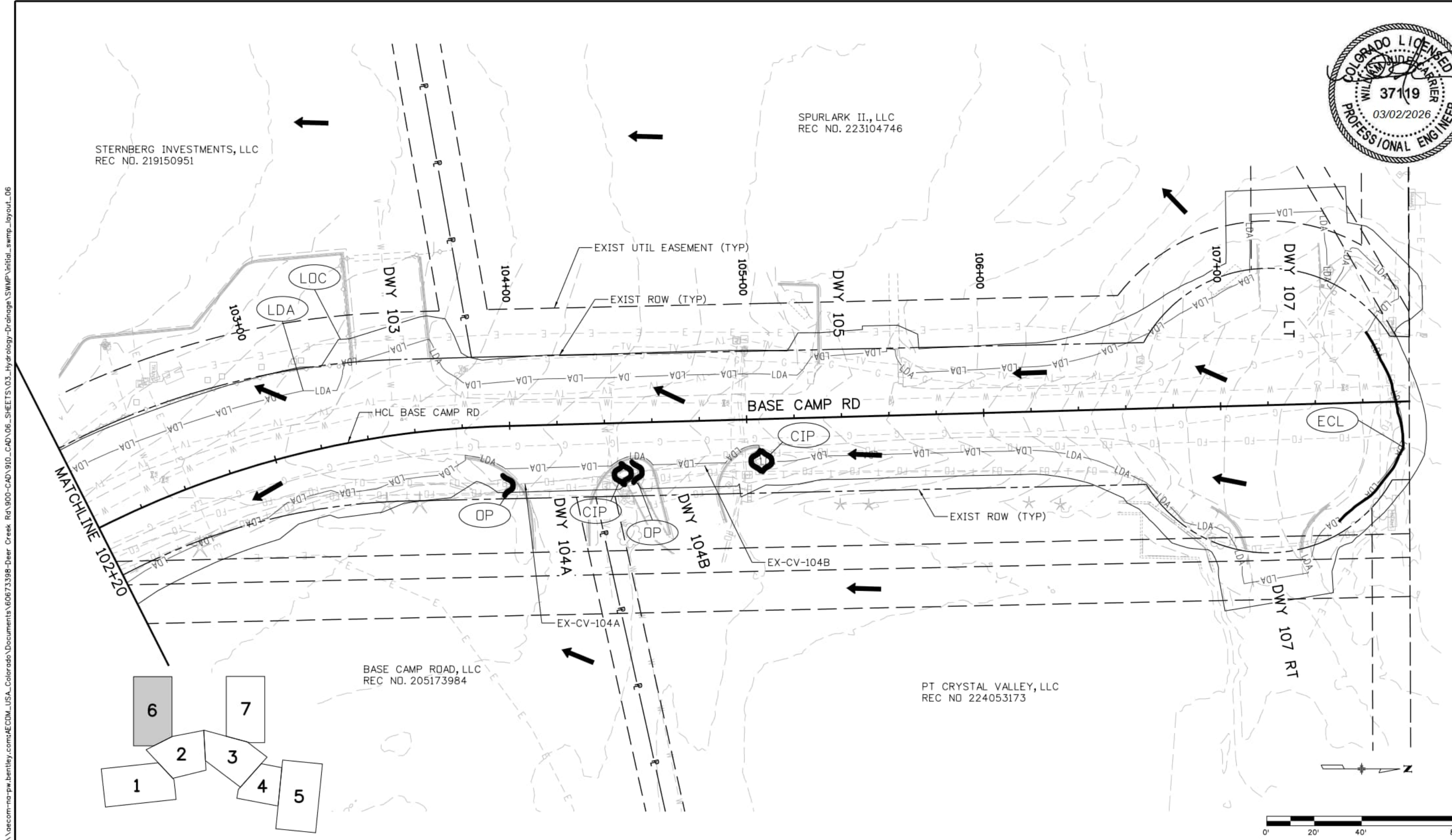


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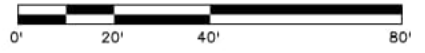
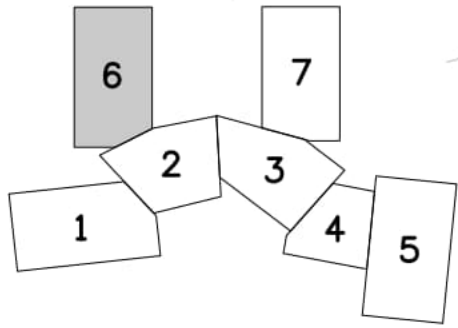
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PT CRYSTAL VALLEY, LLC
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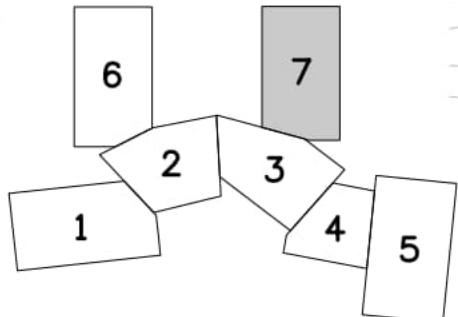
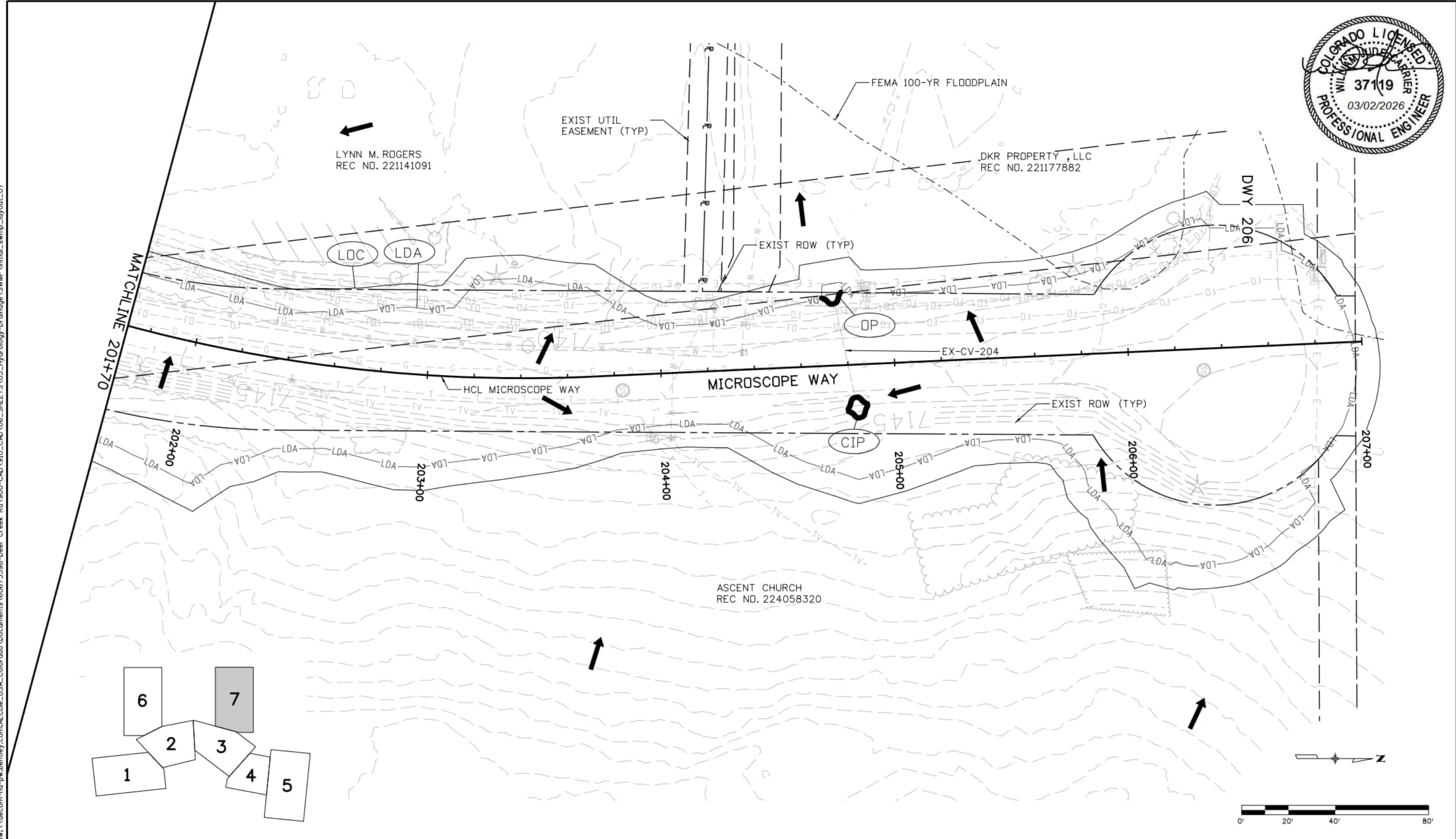


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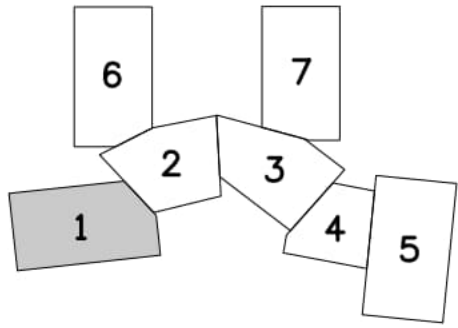
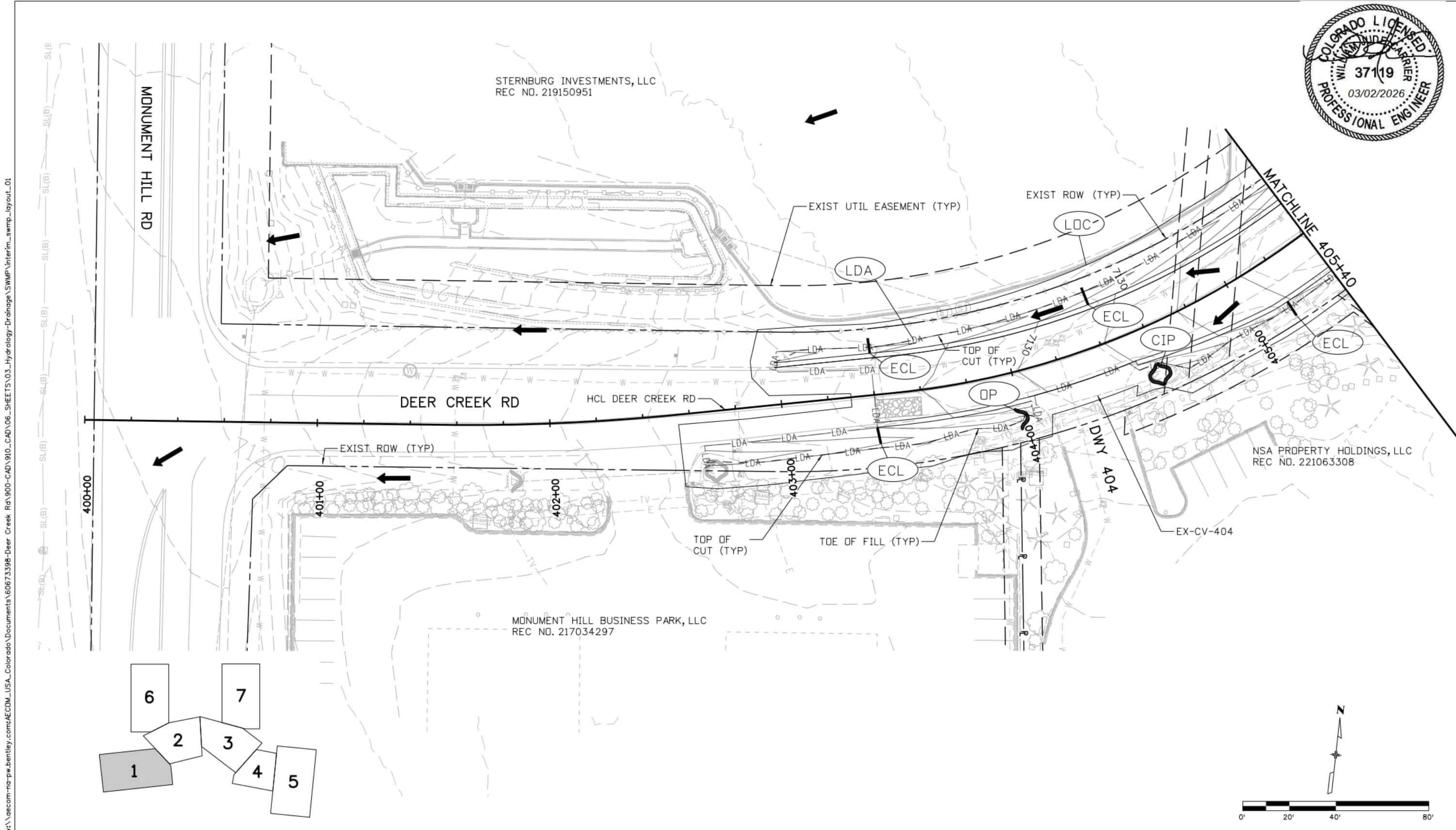
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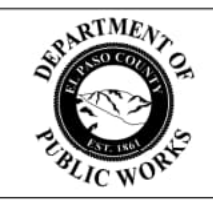


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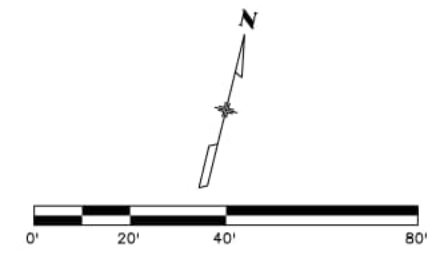
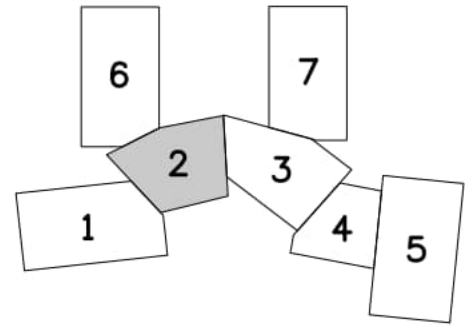
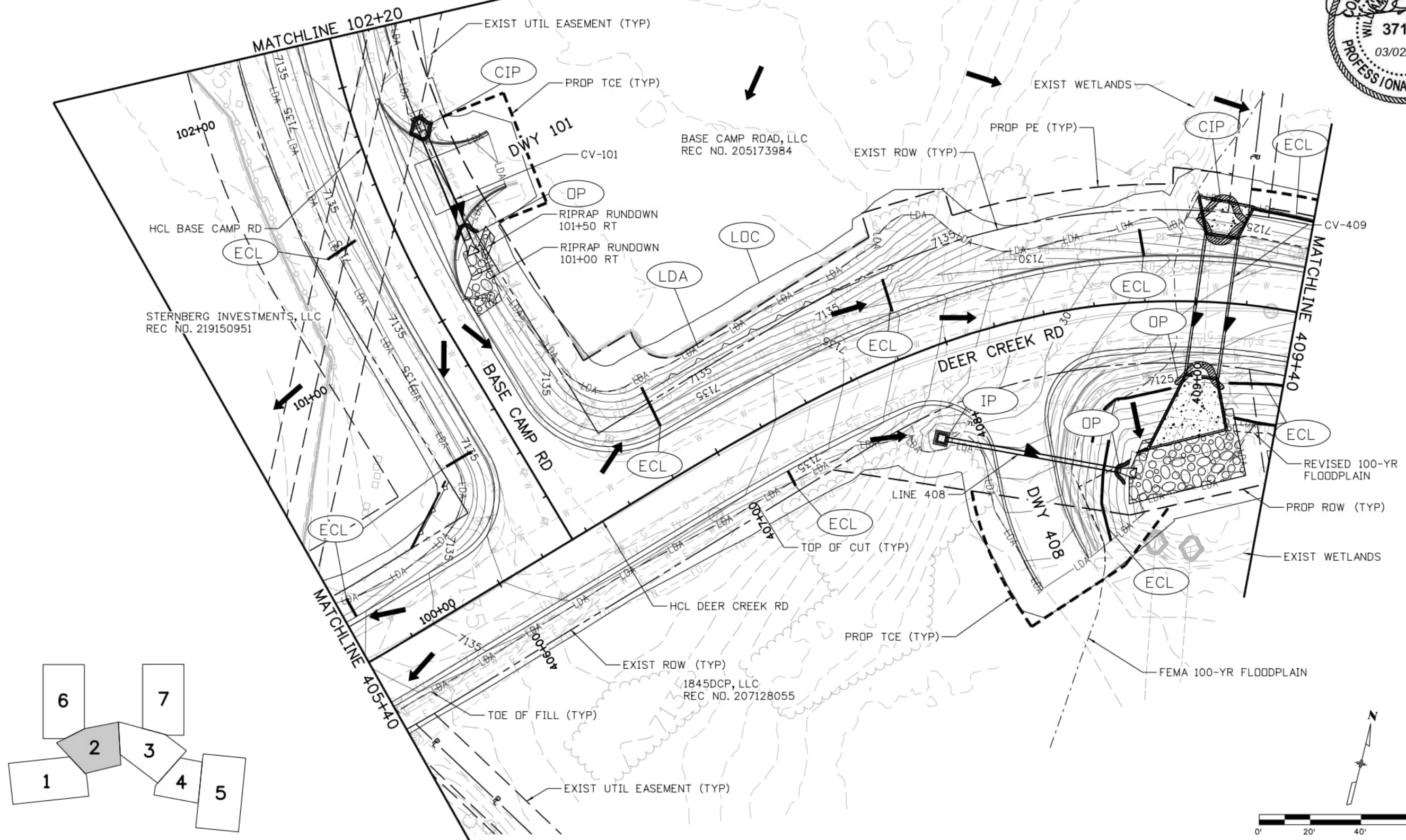
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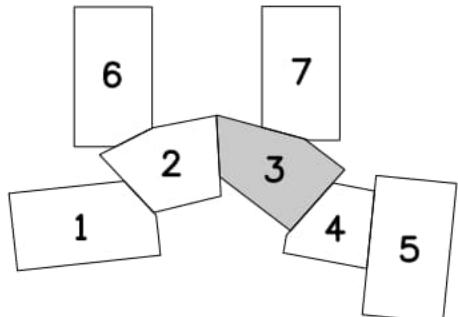
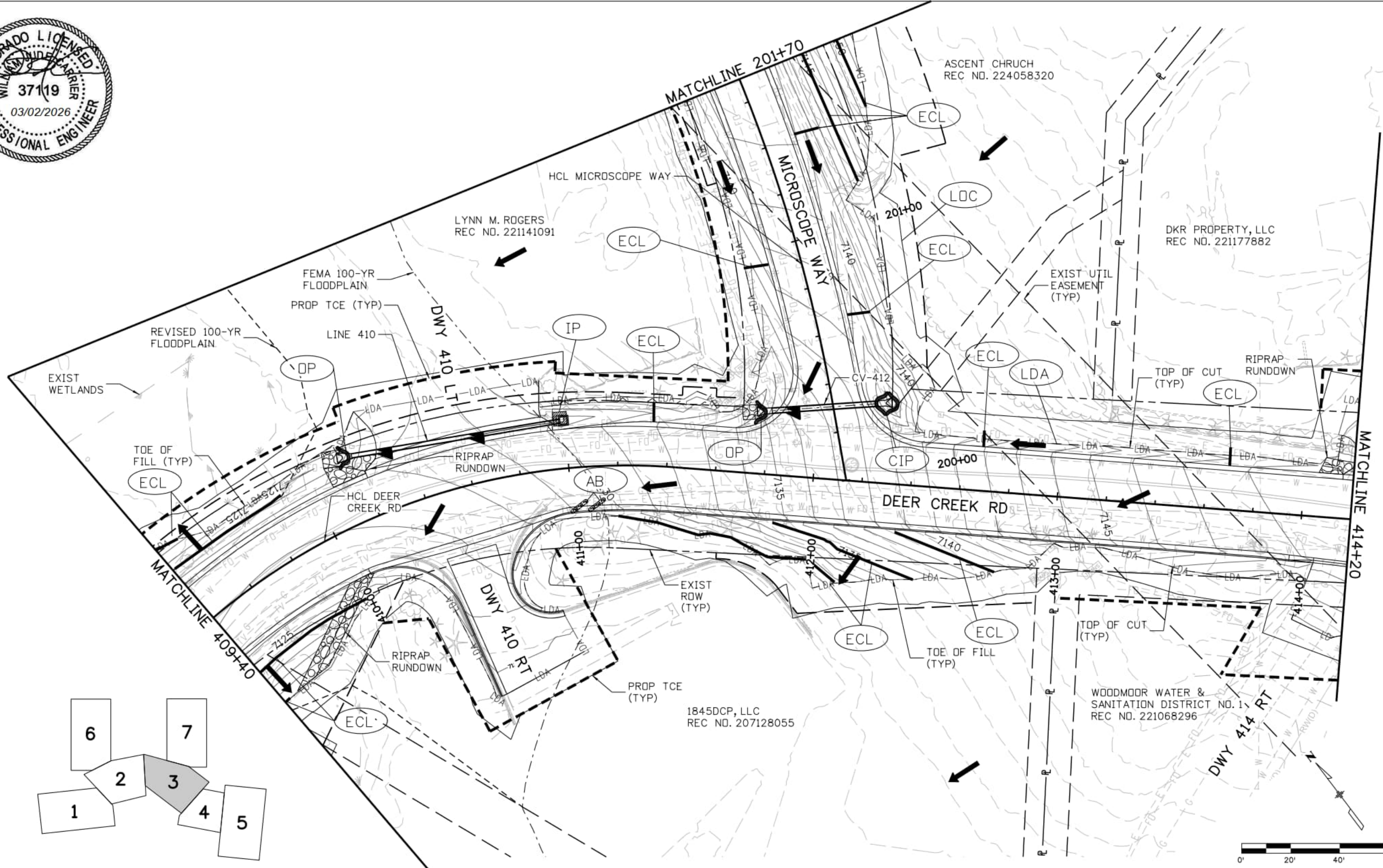


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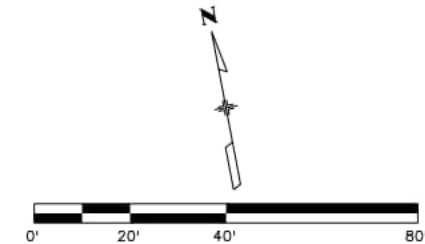
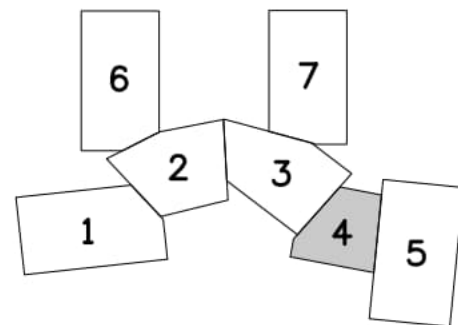
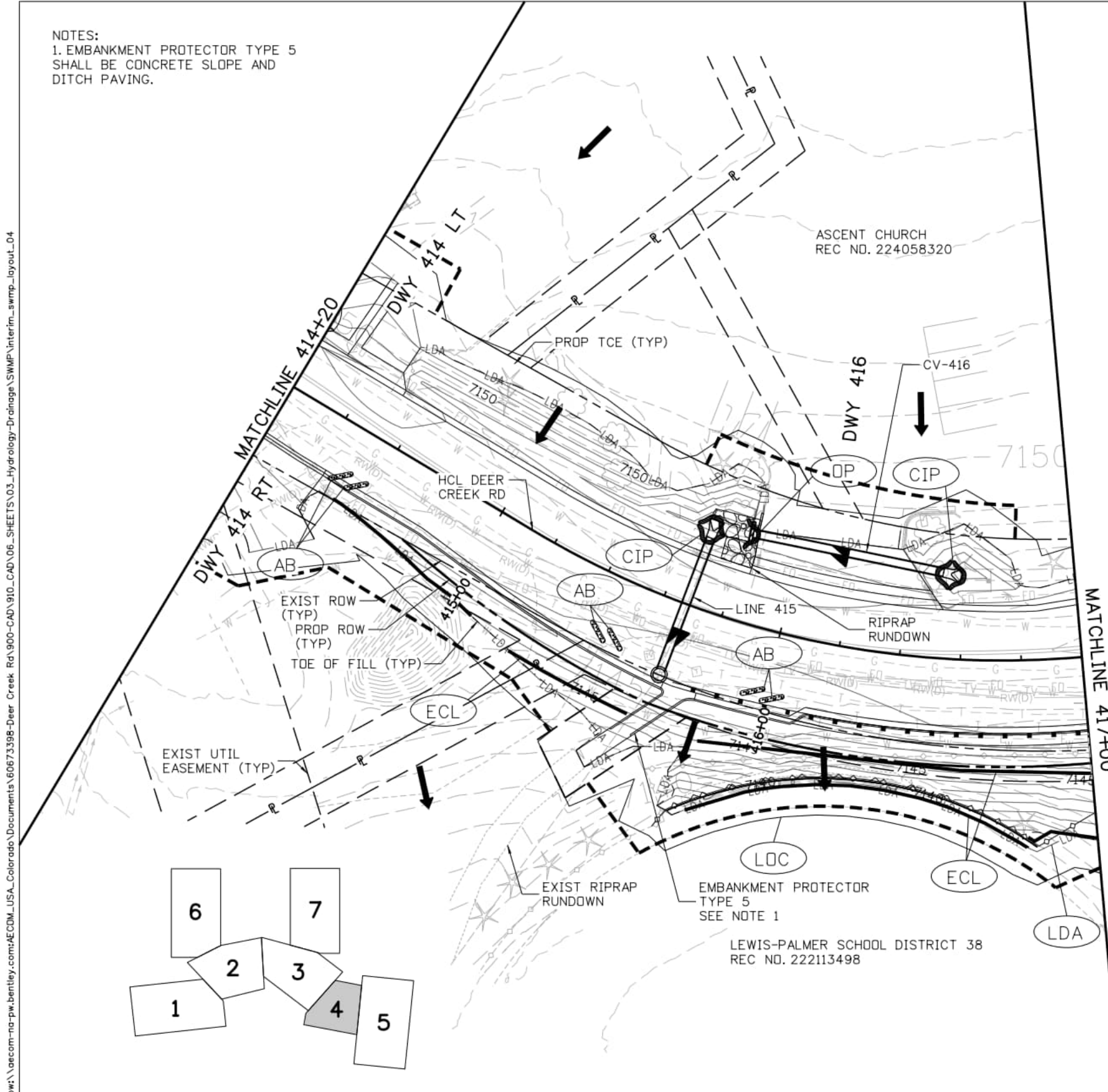


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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

GRADING AND EROSION CONTROL PLAN	SWMP 3 of 7
INTERIM - STA 409+40 TO STA 414+20	Sheet Number 089

NOTES:
 1. EMBANKMENT PROTECTOR TYPE 5
 SHALL BE CONCRETE SLOPE AND
 DITCH PAVING.



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File Name:	interim_swmp_layout_04
Last Modification Date:	2/20/2026
Designer:	JB
Detailer:	IC
Checker:	WC
Scale:	1" = 40'
Units:	Survey Feet

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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
GRADING AND EROSION CONTROL PLAN INTERIM - STA 414+20 TO STA 417+00	SWMP 4 of 7 Sheet Number 090

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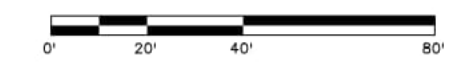
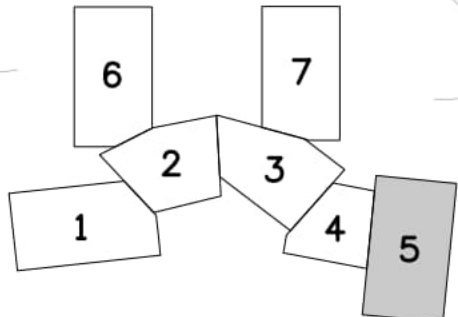
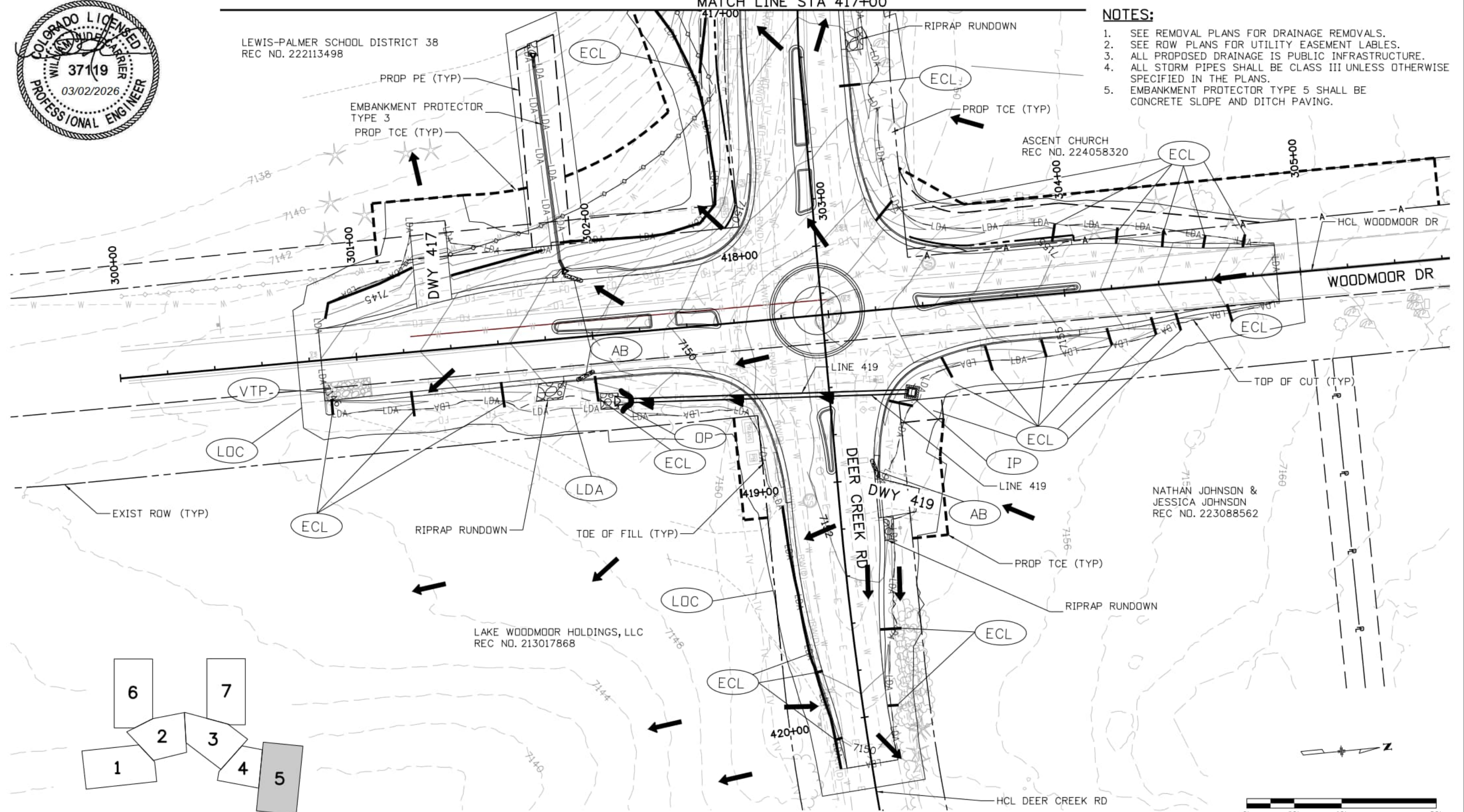


LEWIS-PALMER SCHOOL DISTRICT 38
REC NO. 222113498

MATCH LINE STA 417+00

NOTES:

1. SEE REMOVAL PLANS FOR DRAINAGE REMOVALS.
2. SEE ROW PLANS FOR UTILITY EASEMENT LABELS.
3. ALL PROPOSED DRAINAGE IS PUBLIC INFRASTRUCTURE.
4. ALL STORM PIPES SHALL BE CLASS III UNLESS OTHERWISE SPECIFIED IN THE PLANS.
5. EMBANKMENT PROTECTOR TYPE 5 SHALL BE CONCRETE SLOPE AND DITCH PAVING.



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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

GRADING AND EROSION CONTROL PLAN
INTERIM - STA 417+00 TO 420+20

SWMP 5 of 7
Sheet Number 091

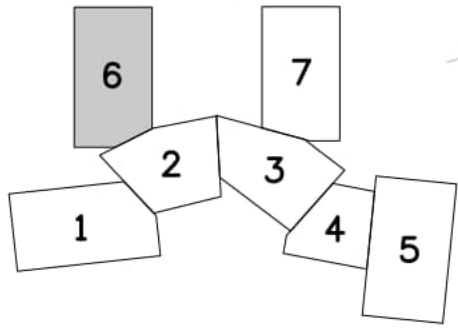
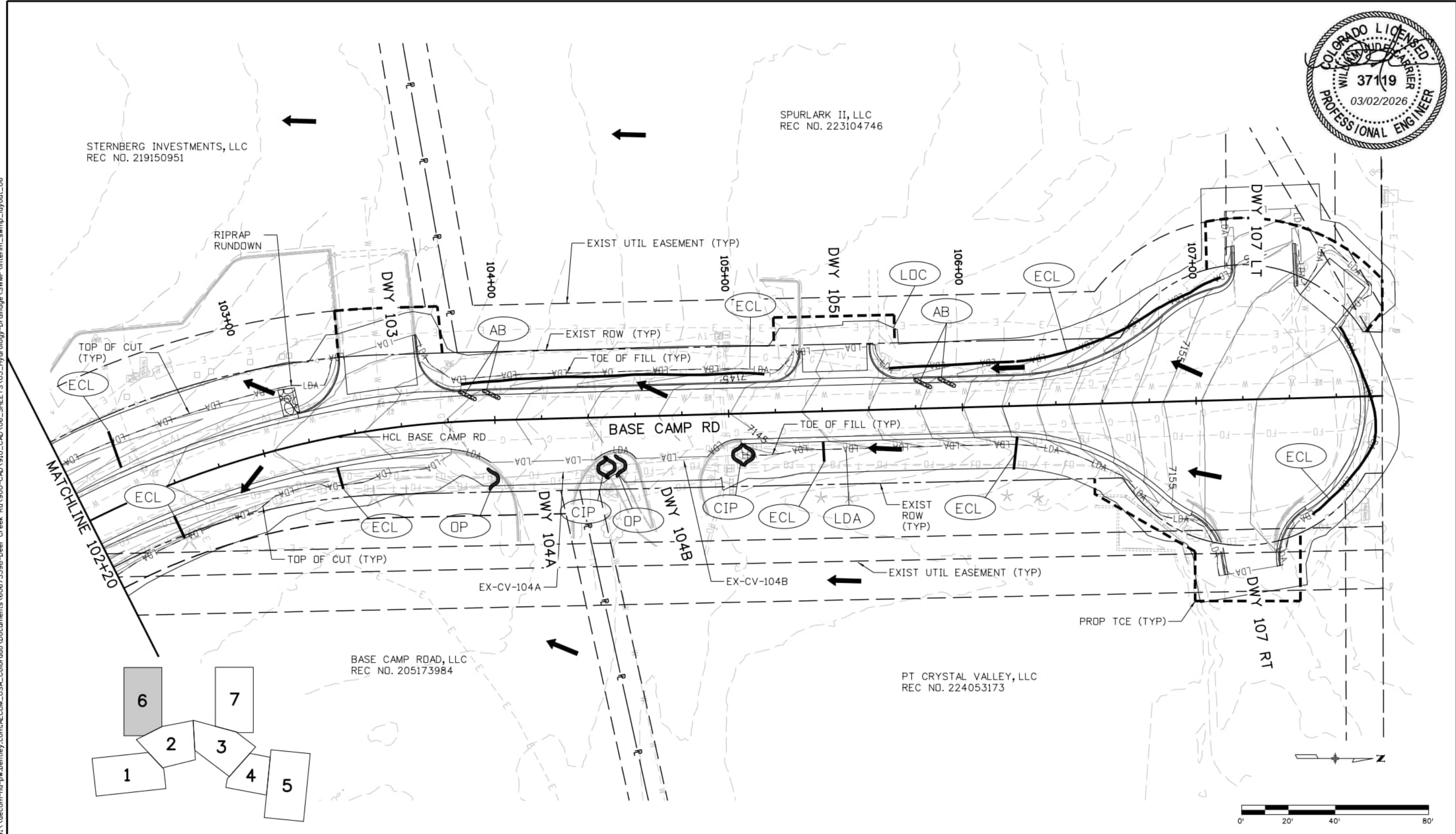


SPURLARK II, LLC
REC NO. 223104746

STERNBERG INVESTMENTS, LLC
REC NO. 219150951

BASE CAMP ROAD, LLC
REC NO. 205173984

PT CRYSTAL VALLEY, LLC
REC NO. 224053173



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Fax: 719-531-0007
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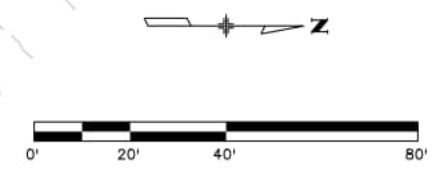
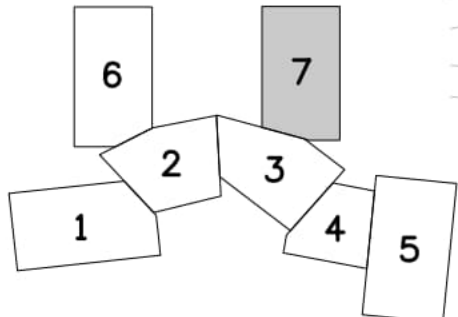
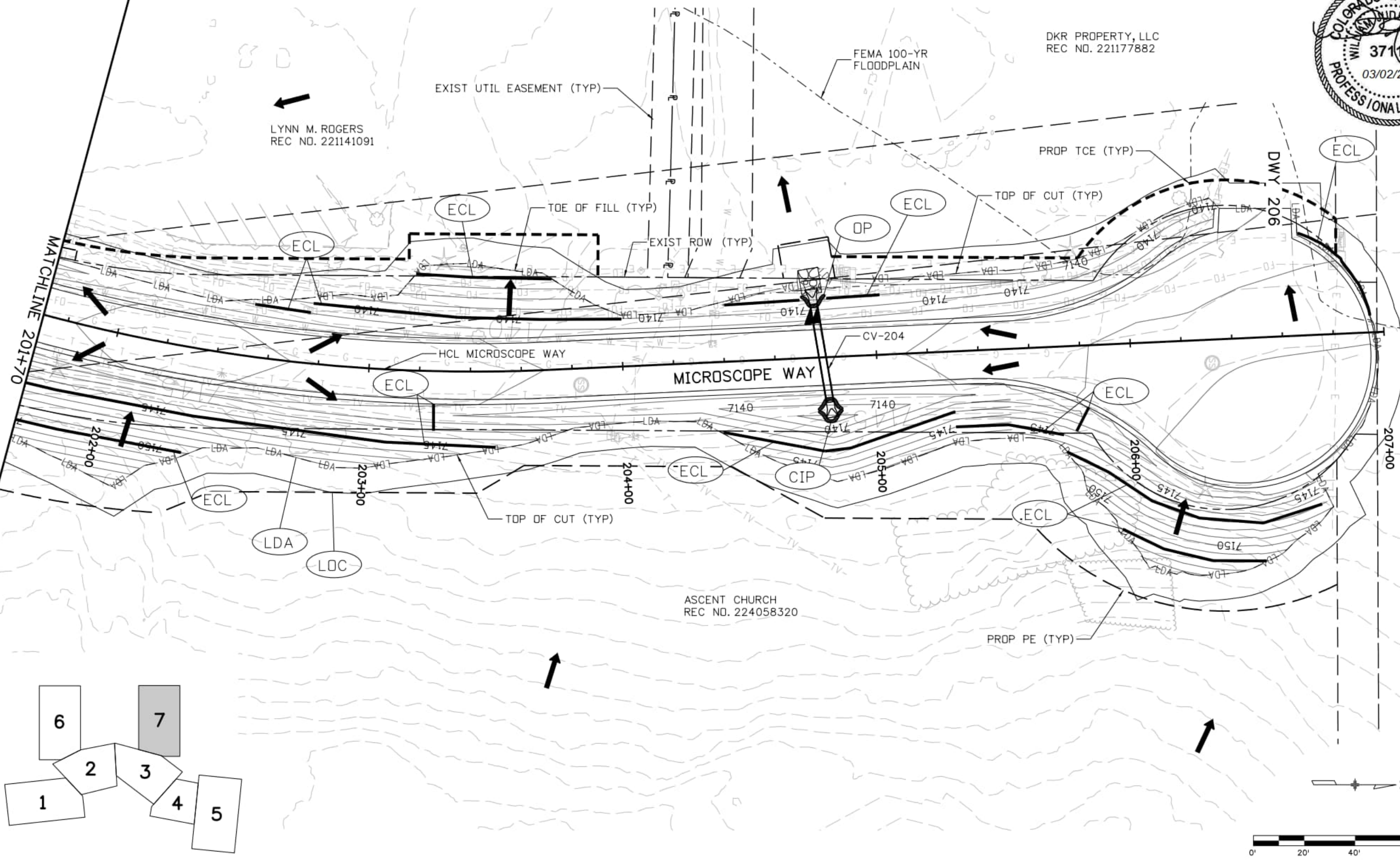
DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
GRADING AND EROSION CONTROL PLAN INTERIM - STA 102+20 TO STA 107+33.23	SWMP 5 of 7 Sheet Number 092



DKR PROPERTY, LLC
REC NO. 221177882

LYNN M. ROGERS
REC NO. 221141091

ASCENT CHURCH
REC NO. 224058320



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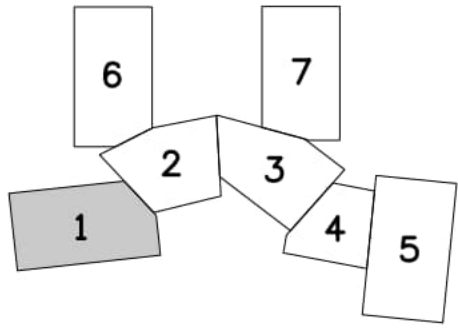
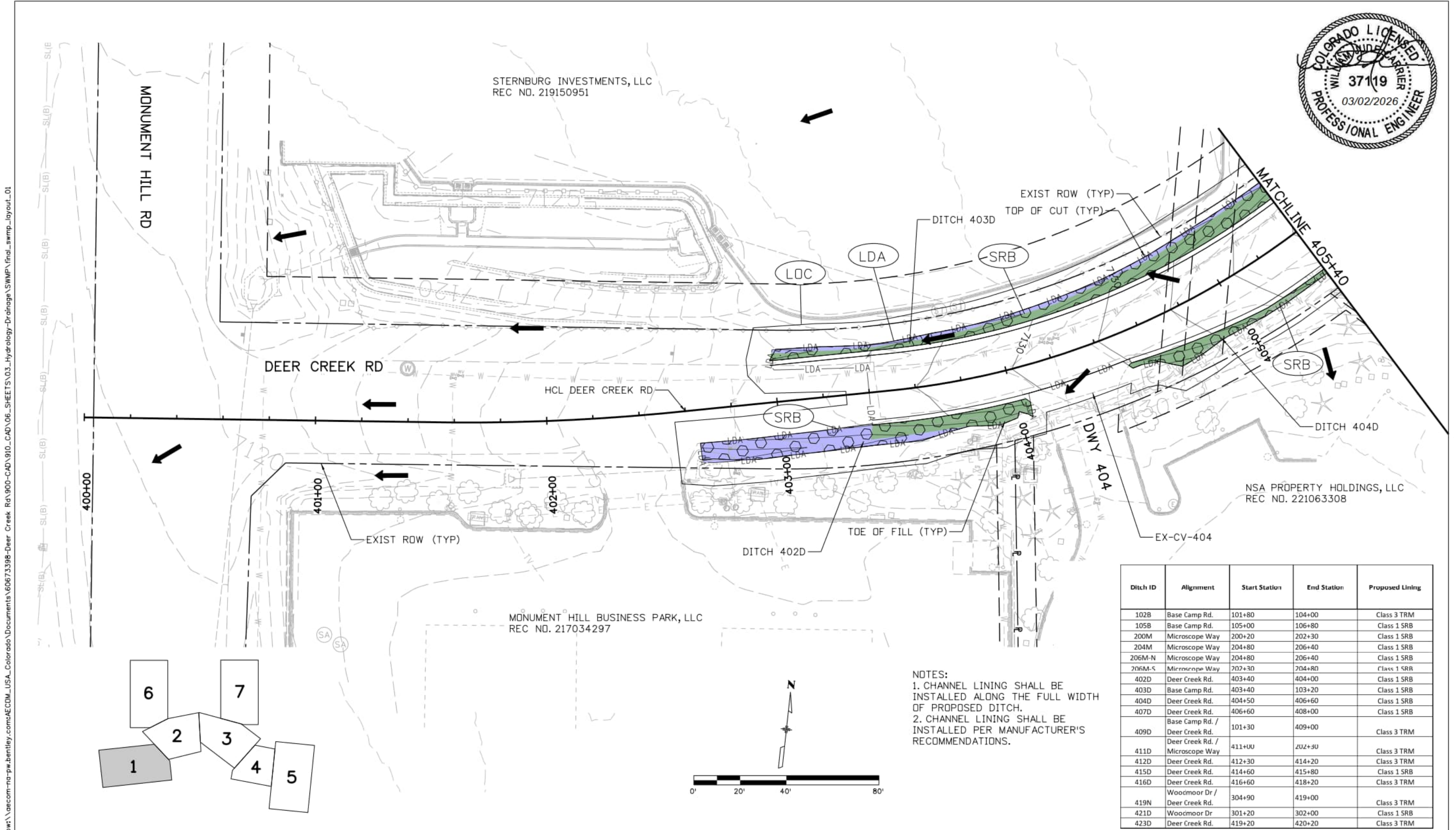
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

GRADING AND EROSION CONTROL PLAN	SWMP 7 of 7
INTERIM - STA 201+70 TO STA 206+34.67	Sheet Number 093



NOTES:
 1. CHANNEL LINING SHALL BE INSTALLED ALONG THE FULL WIDTH OF PROPOSED DITCH.
 2. CHANNEL LINING SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

Ditch ID	Alignment	Start Station	End Station	Proposed Lining
102B	Base Camp Rd.	101+80	104+00	Class 3 TRM
105B	Base Camp Rd.	105+00	106+80	Class 1 SRB
200M	Microscope Way	200+20	202+30	Class 1 SRB
204M	Microscope Way	204+80	206+40	Class 1 SRB
206M-N	Microscope Way	204+80	206+40	Class 1 SRB
206M-S	Microscope Way	202+30	204+80	Class 1 SRB
402D	Deer Creek Rd.	403+40	404+00	Class 1 SRB
403D	Base Camp Rd.	403+40	103+20	Class 1 SRB
404D	Deer Creek Rd.	404+50	406+60	Class 1 SRB
407D	Deer Creek Rd.	406+60	408+00	Class 1 SRB
409D	Base Camp Rd. / Deer Creek Rd.	101+30	409+00	Class 3 TRM
411D	Deer Creek Rd. / Microscope Way	411+00	202+50	Class 3 TRM
412D	Deer Creek Rd.	412+30	414+20	Class 3 TRM
415D	Deer Creek Rd.	414+60	415+80	Class 1 SRB
416D	Deer Creek Rd.	416+60	418+20	Class 3 TRM
419N	Woodmoor Dr. / Deer Creek Rd.	304+90	419+00	Class 3 TRM
421D	Woodmoor Dr	301+20	302+00	Class 1 SRB
423D	Deer Creek Rd.	419+20	420+20	Class 3 TRM

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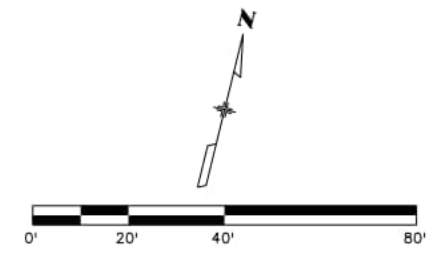
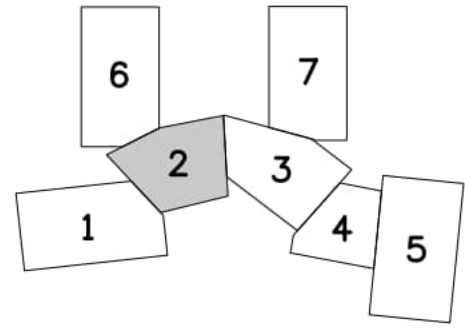
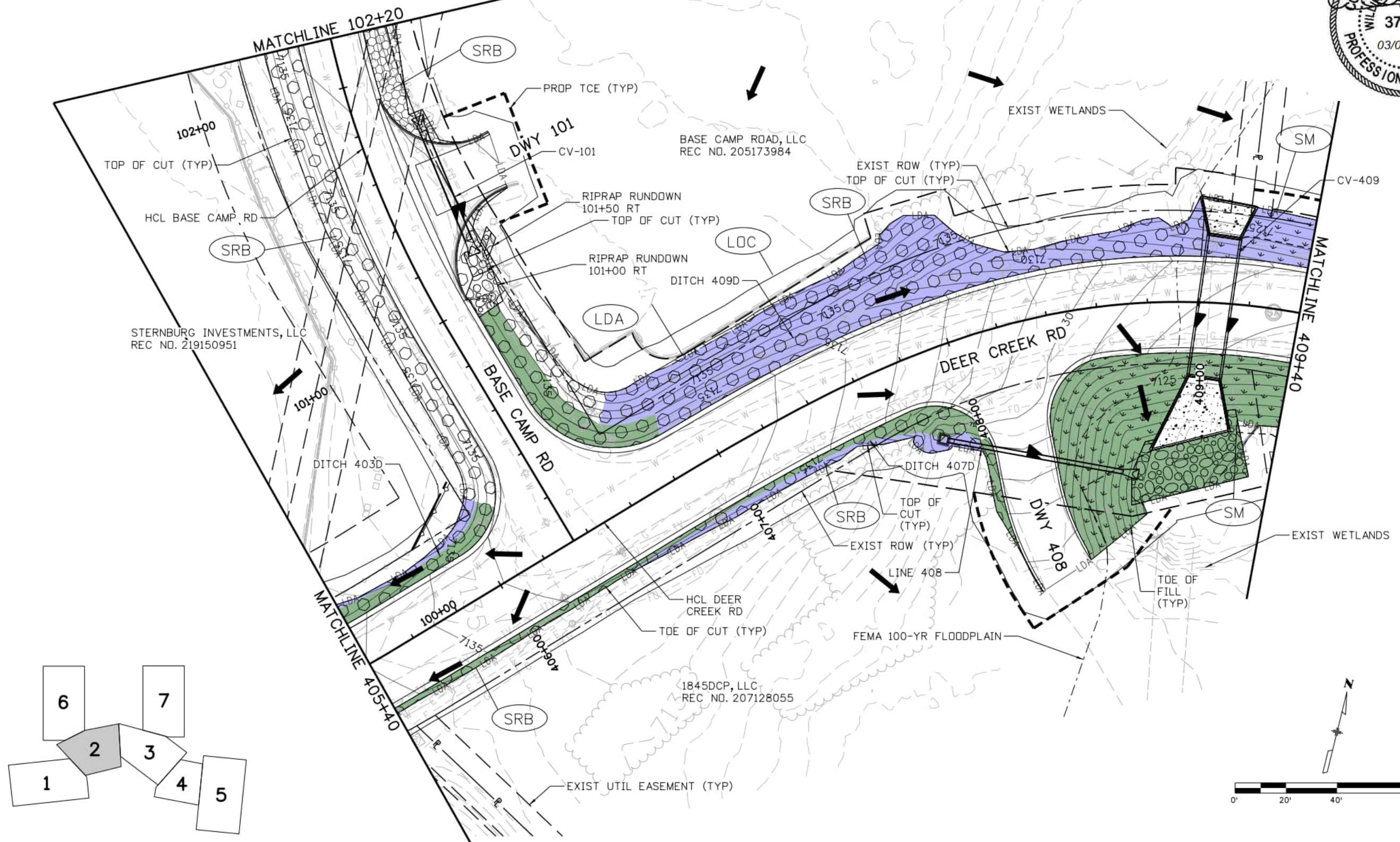
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
GRADING AND EROSION CONTROL PLAN	SWMP 1 of 7
FINAL - STA 400+00 TO STA 405+40	Sheet Number 094

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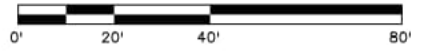
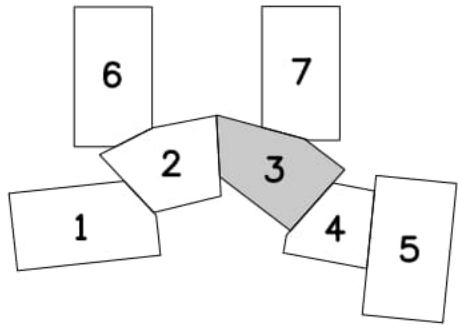
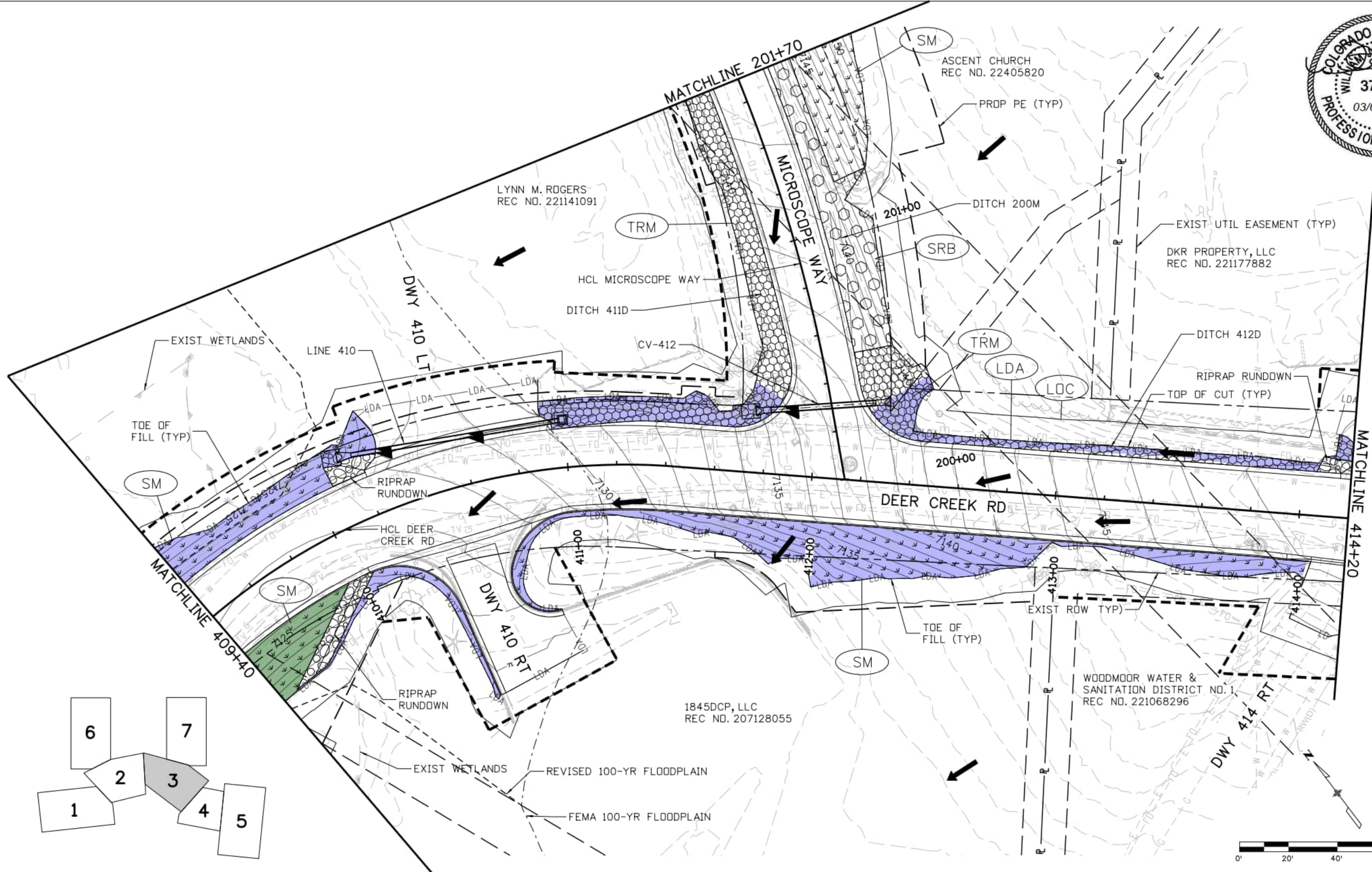


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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
GRADING AND EROSION CONTROL PLAN	SWMP 2 of 7
FINAL - STA 405+40 TO STA 409+40	Sheet Number 095



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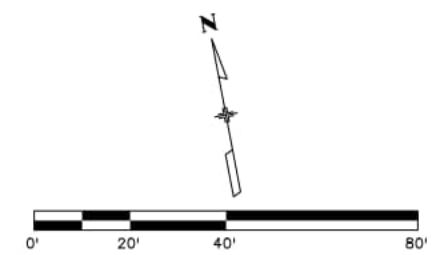
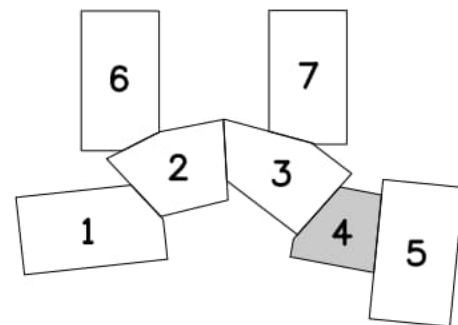
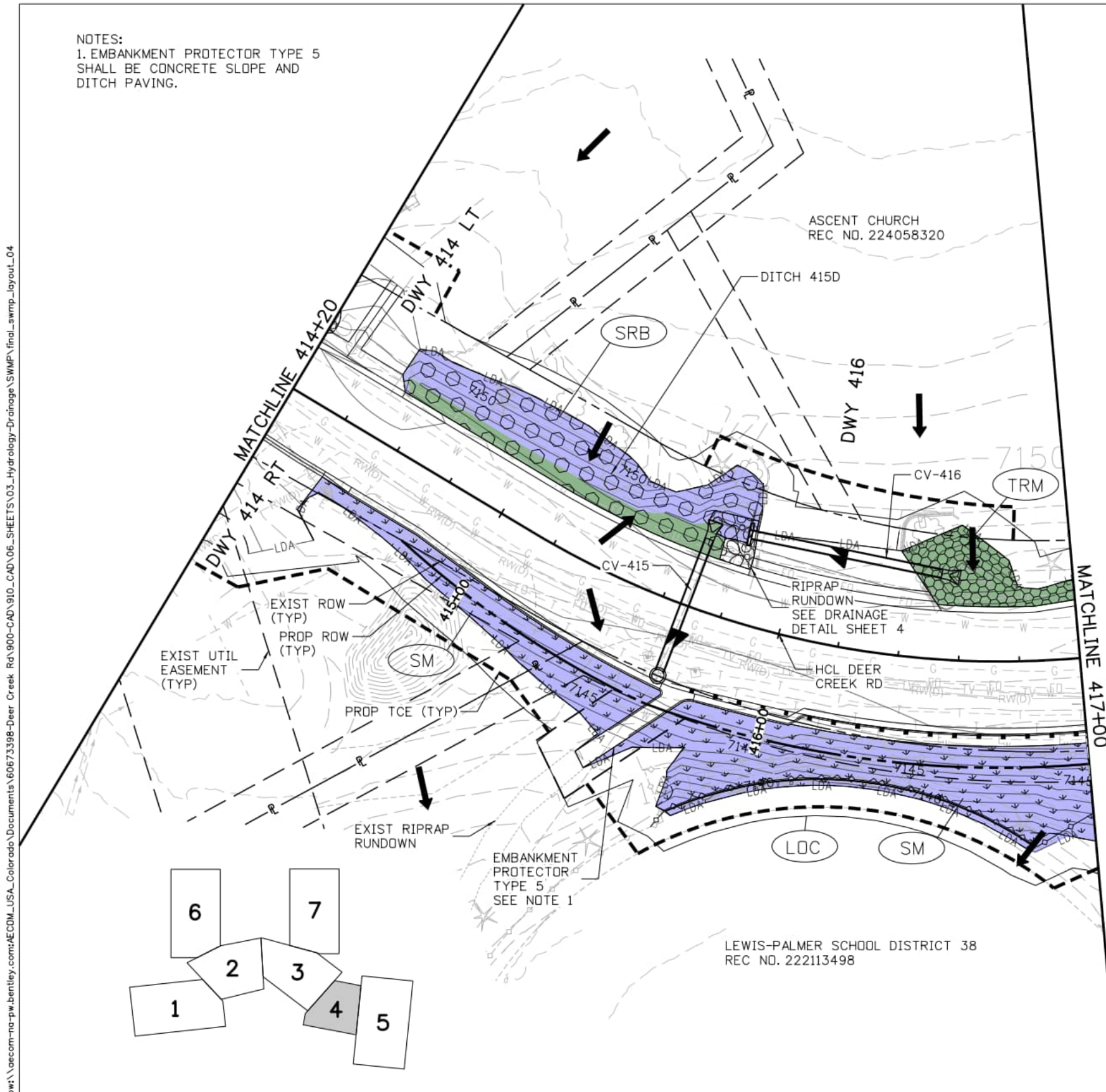
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 Fax: 719-531-0007
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

GRADING AND EROSION CONTROL PLAN	SWMP 3 of 7
FINAL - STA 409+40 TO STA 414+20	Sheet Number 096



NOTES:
 1. EMBANKMENT PROTECTOR TYPE 5
 SHALL BE CONCRETE SLOPE AND
 DITCH PAVING.



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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

GRADING AND EROSION CONTROL PLAN
 FINAL - STA 414+20 TO STA 417+00

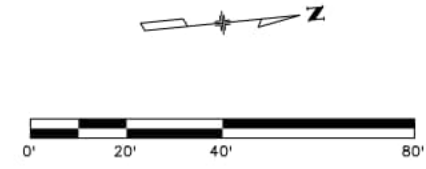
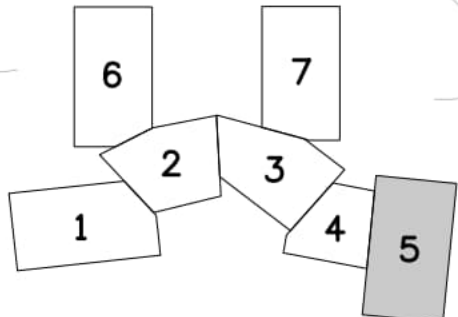
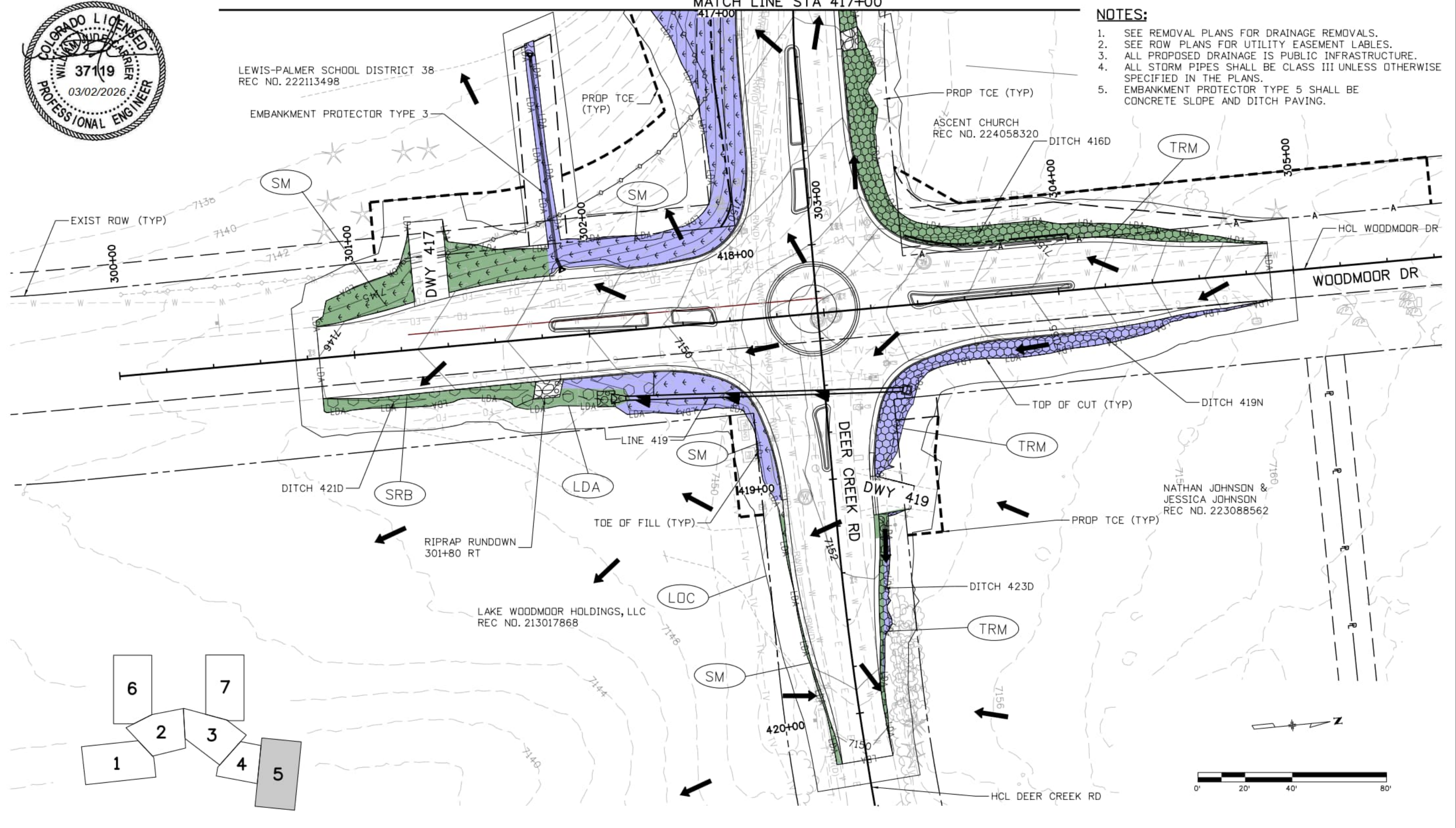
SWMP 4 of 7
 Sheet Number **097**



MATCH LINE STA 417+00

NOTES:

1. SEE REMOVAL PLANS FOR DRAINAGE REMOVALS.
2. SEE ROW PLANS FOR UTILITY EASEMENT LABELS.
3. ALL PROPOSED DRAINAGE IS PUBLIC INFRASTRUCTURE.
4. ALL STORM PIPES SHALL BE CLASS III UNLESS OTHERWISE SPECIFIED IN THE PLANS.
5. EMBANKMENT PROTECTOR TYPE 5 SHALL BE CONCRETE SLOPE AND DITCH PAVING.



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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

GRADING AND EROSION CONTROL PLAN
FINAL - STA 417+00 TO 420+20

SWMP	5	of	7
Sheet Number	098		

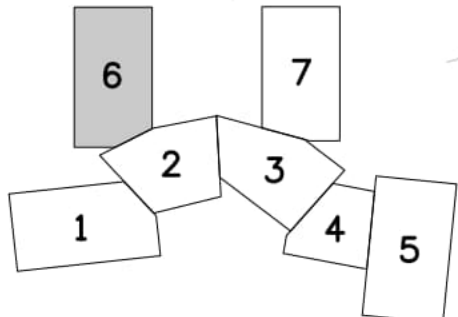
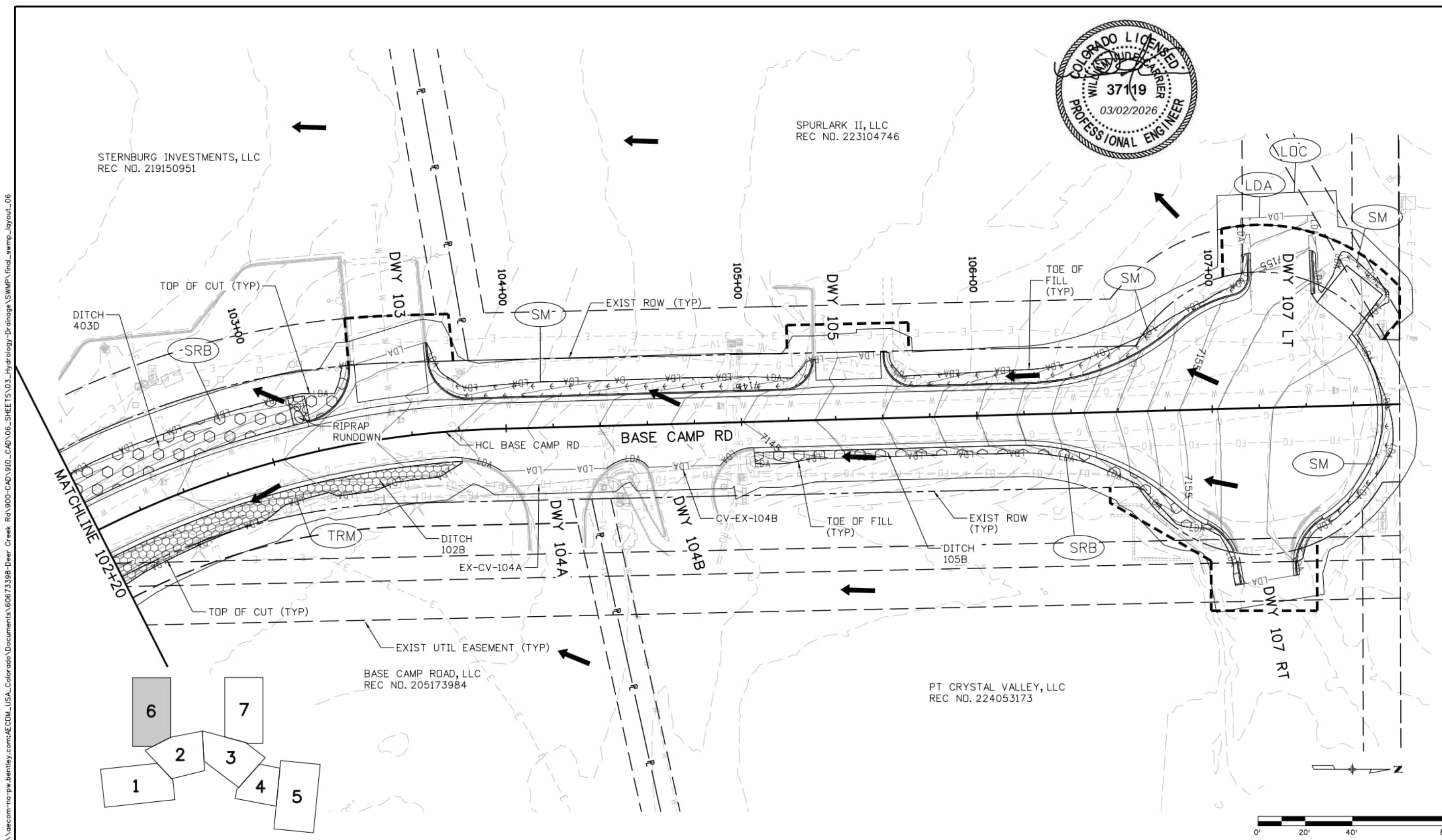


SPURLARK II, LLC
REC NO. 223104746

STERNBURG INVESTMENTS, LLC
REC NO. 219150951

BASE CAMP ROAD, LLC
REC NO. 205173984

PT CRYSTAL VALLEY, LLC
REC NO. 224053173



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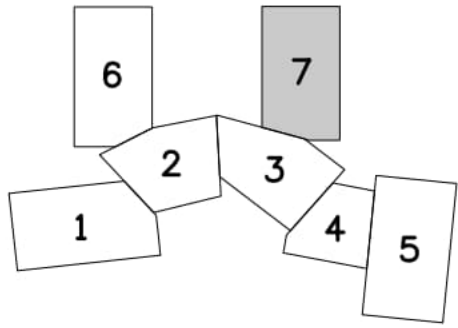
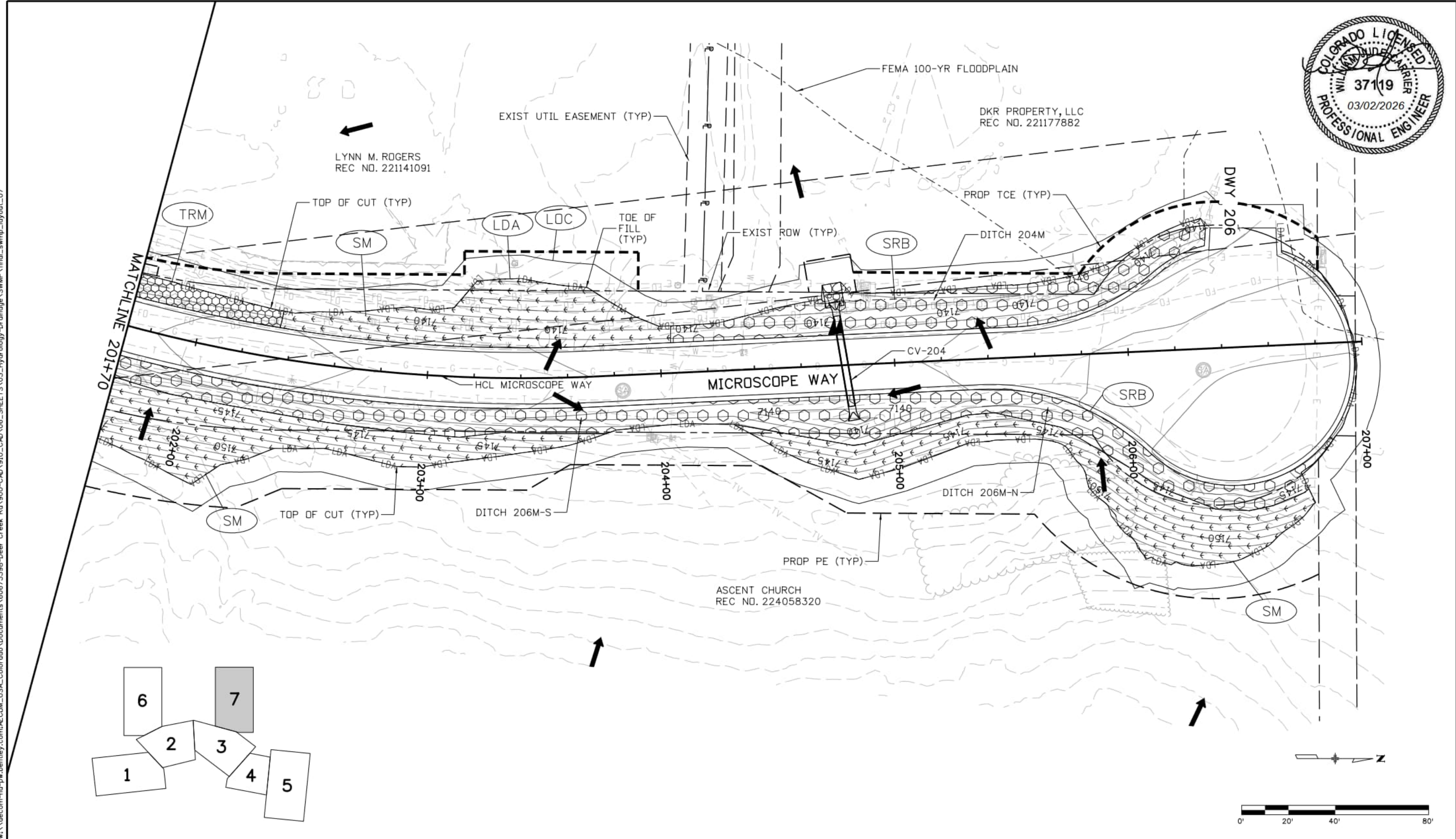
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
GRADING AND EROSION CONTROL PLAN FINAL - STA 102+20 TO STA 107+33.23	SWMP 6 of 7 Sheet Number 099



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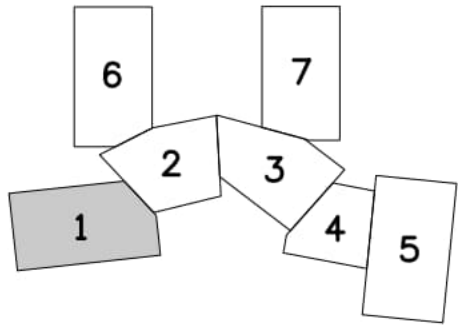
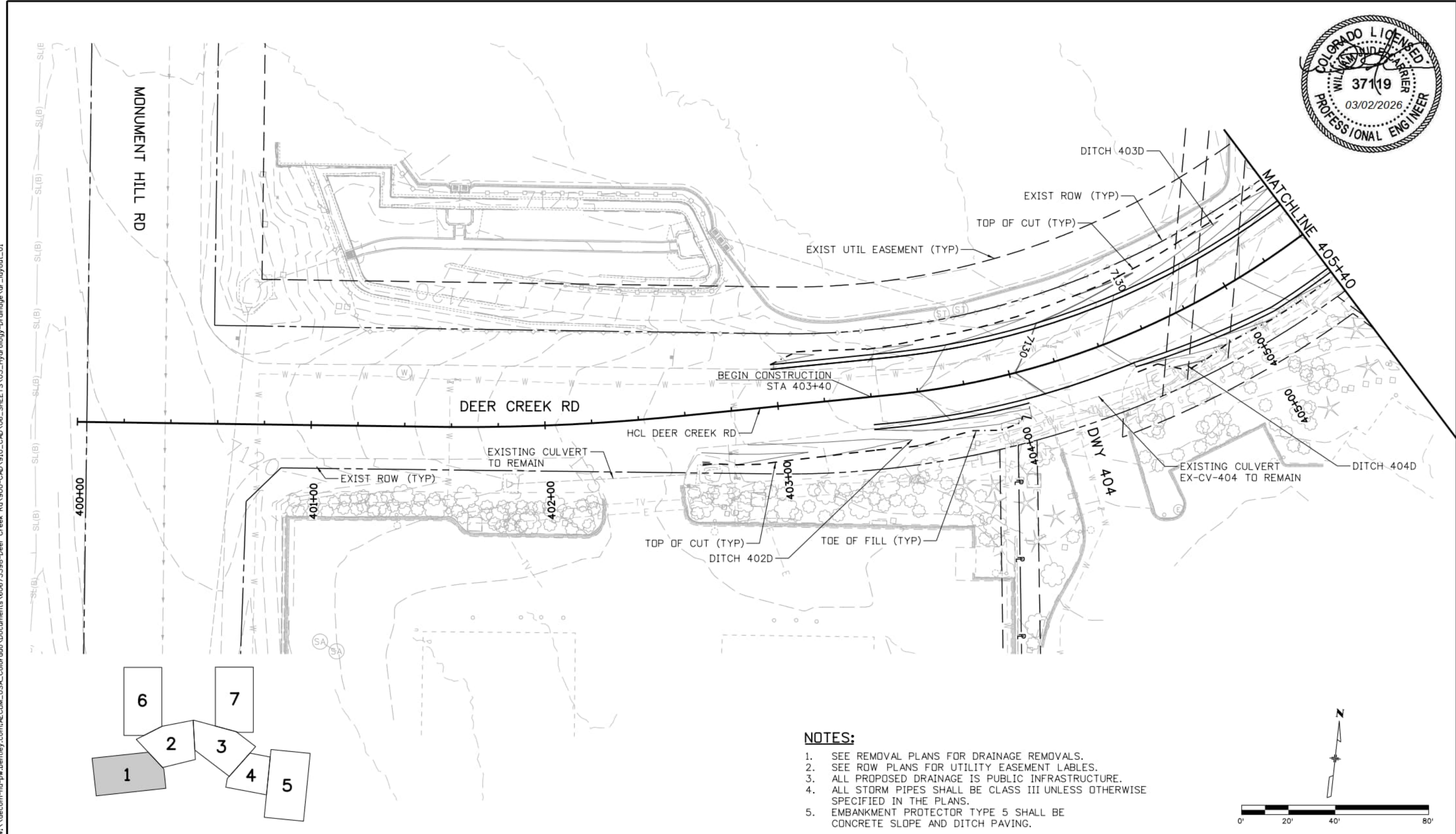
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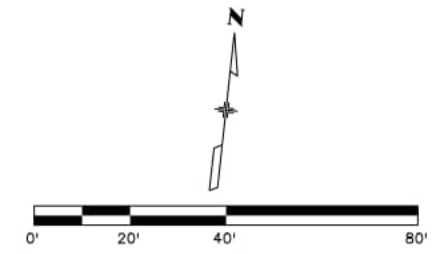
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GRADING AND EROSION CONTROL PLAN	SWMP 7 of 7
FINAL - STA 201+70 TO STA 206+34.67	Sheet Number 100

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NOTES:

1. SEE REMOVAL PLANS FOR DRAINAGE REMOVALS.
2. SEE ROW PLANS FOR UTILITY EASEMENT LABELS.
3. ALL PROPOSED DRAINAGE IS PUBLIC INFRASTRUCTURE.
4. ALL STORM PIPES SHALL BE CLASS III UNLESS OTHERWISE SPECIFIED IN THE PLANS.
5. EMBANKMENT PROTECTOR TYPE 5 SHALL BE CONCRETE SLOPE AND DITCH PAVING.



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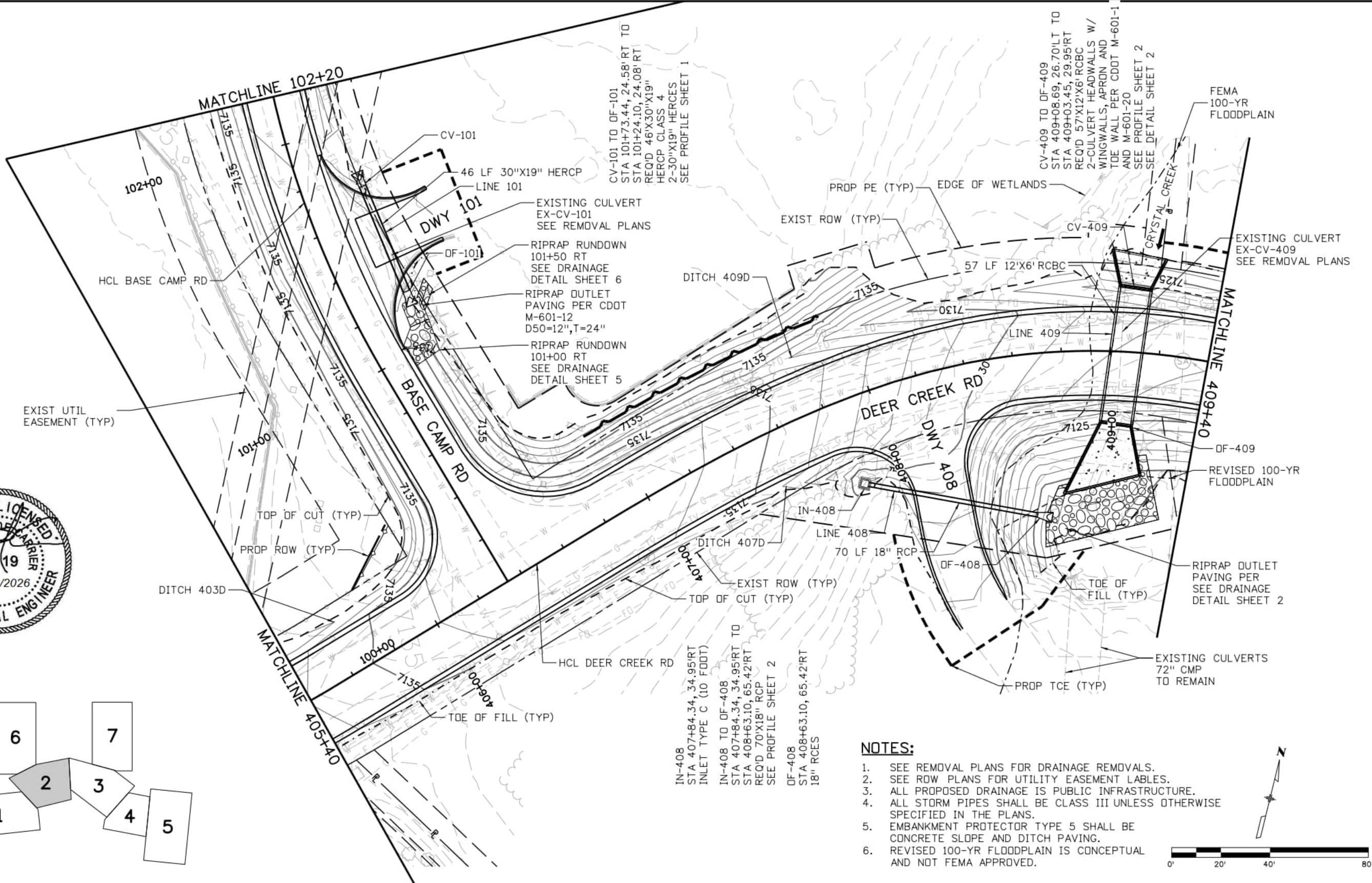
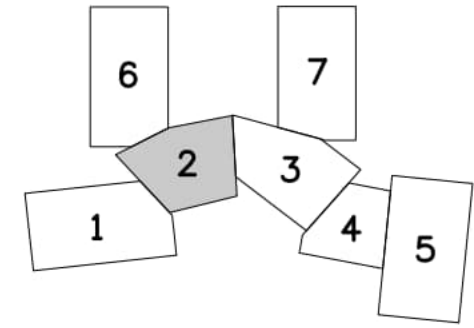


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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
DRAINAGE AND GRADING PLAN STA 400+00 TO STA 405+40	DRAINAGE 1 of 7 Sheet Number 101

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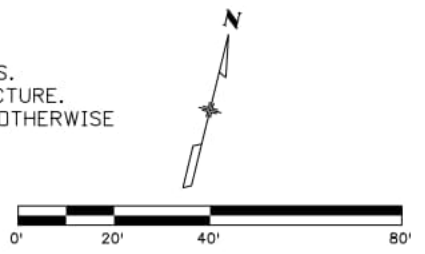
CV-101 TO DF-101
 STA 101+73.44, 24.58' RT TO
 STA 101+24.10, 24.08' RT
 REQ'D 46'X30'X19"
 HERCP CLASS 4
 2-30'X19" HERGES
 SEE PROFILE SHEET 1

CV-409 TO DF-409
 STA 409+08.69, 26.70' LT TO
 STA 409+03.45, 29.95' RT
 REQ'D 57'X12'X6' RCBC
 2-CULVERT HEADWALLS W/
 WINGWALLS, APRON AND
 TOE WALL PER CDDOT M-601-1
 AND M-601-20
 SEE PROFILE SHEET 2
 SEE DETAIL SHEET 2

IN-408
 STA 407+84.34, 34.95' RT
 INLET TYPE C (10 FOOT)
 IN-408 TO DF-408
 STA 407+84.34, 34.95' RT TO
 STA 408+63.10, 65.42' RT
 REQ'D 70'X18" RCP
 SEE PROFILE SHEET 2
 DF-408
 STA 408+63.10, 65.42' RT
 18" RCES

NOTES:

1. SEE REMOVAL PLANS FOR DRAINAGE REMOVALS.
2. SEE ROW PLANS FOR UTILITY EASEMENT LABELS.
3. ALL PROPOSED DRAINAGE IS PUBLIC INFRASTRUCTURE.
4. ALL STORM PIPES SHALL BE CLASS III UNLESS OTHERWISE SPECIFIED IN THE PLANS.
5. EMBANKMENT PROTECTOR TYPE 5 SHALL BE CONCRETE SLOPE AND DITCH PAVING.
6. REVISED 100-YR FLOODPLAIN IS CONCEPTUAL AND NOT FEMA APPROVED.



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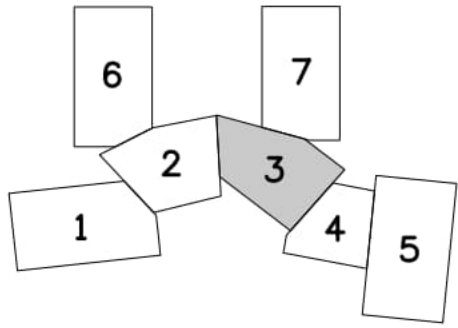
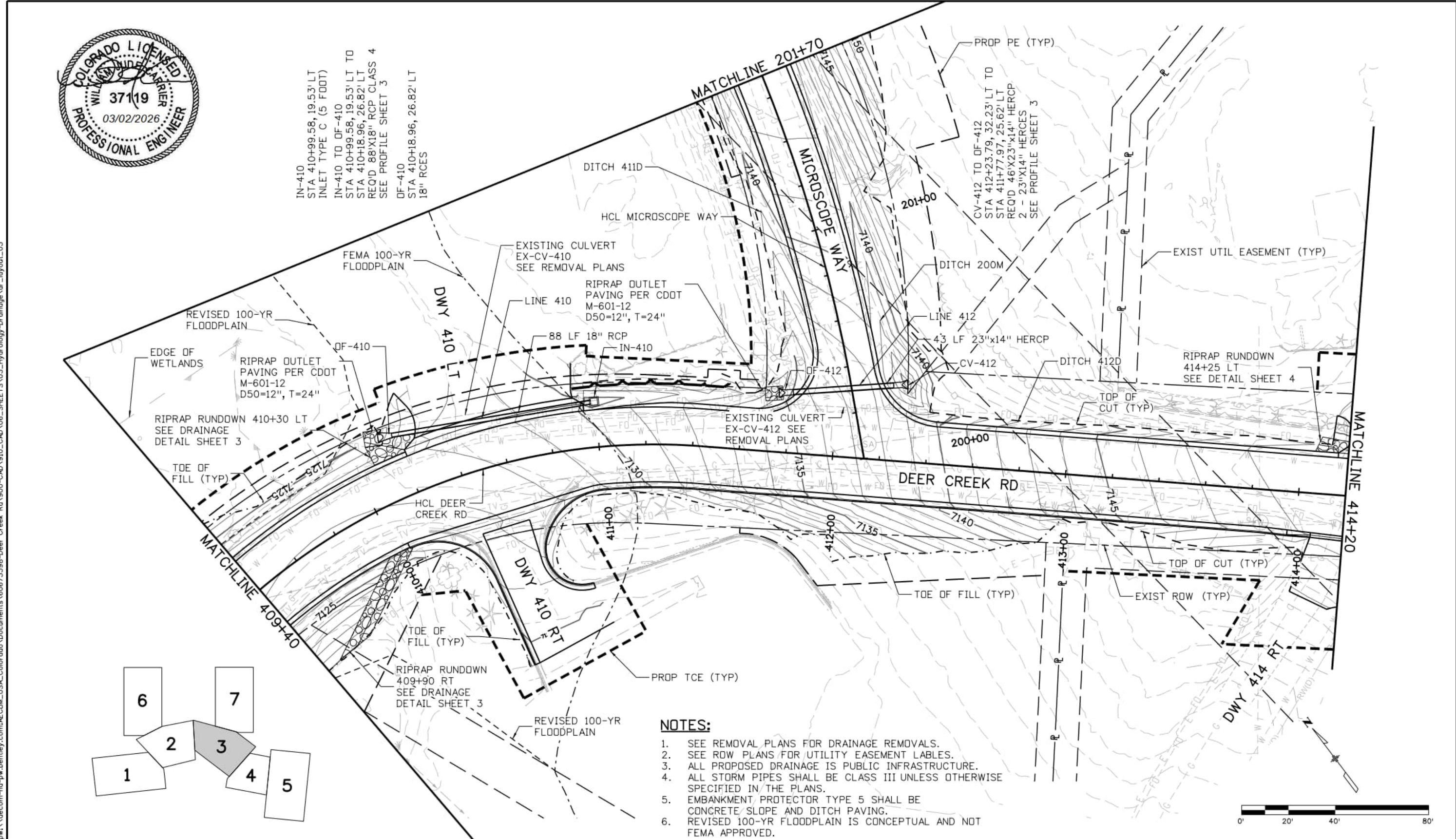
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
DRAINAGE AND GRADING PLAN STA 405+40 TO STA 409+40	DRAINAGE 2 of 7 Sheet Number 102



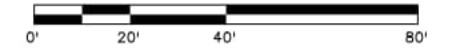
IN-410
 STA 410+99.58, 19.53' LT
 INLET TYPE C (5 FOOT)
 IN-410 TO OF-410
 STA 410+99.58, 19.53' LT TO
 STA 410+18.96, 26.82' LT
 REQ'D 88'X18" RCP CLASS 4
 SEE PROFILE SHEET 3
 OF-410
 STA 410+18.96, 26.82' LT
 18" RCES

PROP PE (TYP)
 CV-412 TO OF-412
 STA 412+23.79, 32.23' LT TO
 STA 411+77.97, 25.62' LT
 REQ'D 46'X23"X14" HERCP
 2 - 23"X14" HERCES
 SEE PROFILE SHEET 3



NOTES:

1. SEE REMOVAL PLANS FOR DRAINAGE REMOVALS.
2. SEE ROW PLANS FOR UTILITY EASEMENT LABELS.
3. ALL PROPOSED DRAINAGE IS PUBLIC INFRASTRUCTURE.
4. ALL STORM PIPES SHALL BE CLASS III UNLESS OTHERWISE SPECIFIED IN THE PLANS.
5. EMBANKMENT PROTECTOR TYPE 5 SHALL BE CONCRETE SLOPE AND DITCH PAVING.
6. REVISED 100-YR FLOODPLAIN IS CONCEPTUAL AND NOT FEMA APPROVED.



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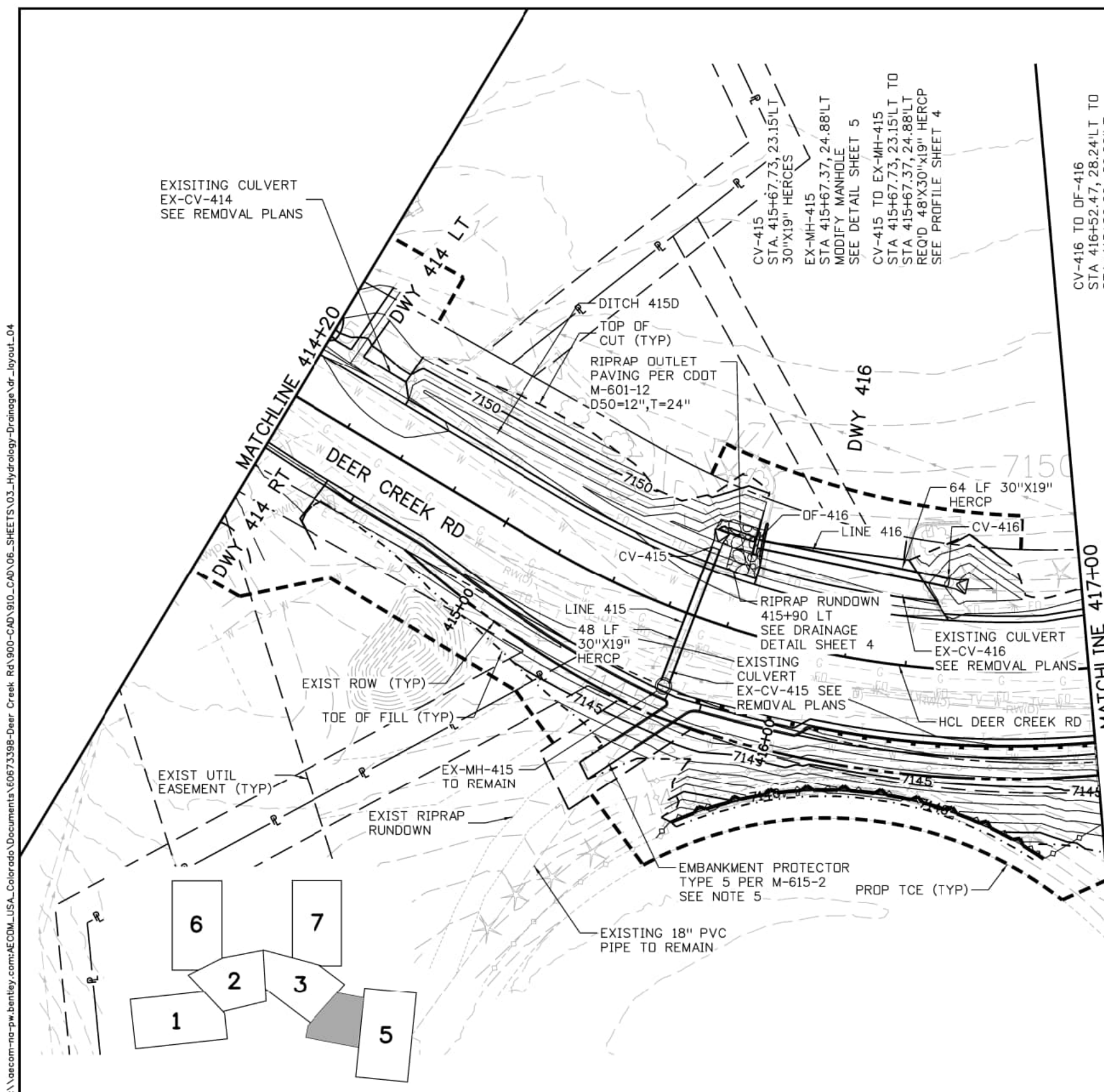
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
DRAINAGE AND GRADING PLAN STA 409+40 TO STA 414+20	DRAINAGE 3 of 7
	Sheet Number 103

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CV-415
STA. 415+67.73, 23.15'LT
30"X19" HERCES

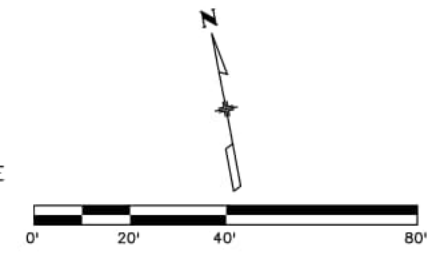
EX-MH-415
STA 415+67.37, 24.88'LT
MODIFY MANHOLE
SEE DETAIL SHEET 5

CV-415 TO EX-MH-415
STA 415+67.73, 23.15'LT TO
STA 415+67.37, 24.88'LT
REQ'D 48'X30"X19" HERCP
SEE PROFILE SHEET 4

CV-416 TO DF-416
STA 416+52.47, 28.24'LT TO
STA. 415+80.66, 29.00'LT
REQ'D 64'X30"X19"
HERCP CLASS 4
1 - 30"X19" HERCES AND
HEADWALL PER CDOT M-601-12
SEE PROFILE SHEET 4

NOTES:

1. SEE REMOVAL PLANS FOR DRAINAGE REMOVALS.
2. SEE ROW PLANS FOR UTILITY EASEMENT LABELS.
3. ALL PROPOSED DRAINAGE IS PUBLIC INFRASTRUCTURE.
4. ALL STORM PIPES SHALL BE CLASS III UNLESS OTHERWISE SPECIFIED IN THE PLANS.
5. EMBANKMENT PROTECTOR TYPE 5 SHALL BE CONCRETE SLOPE AND DITCH PAVING.



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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

DRAINAGE AND GRADING PLAN
STA 414+20 TO STA 417+00

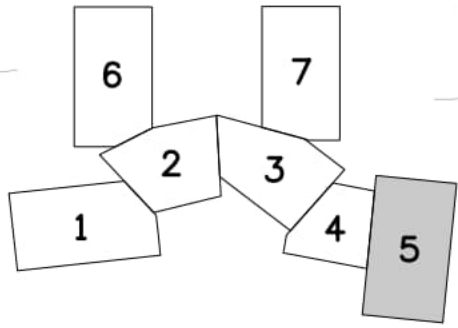
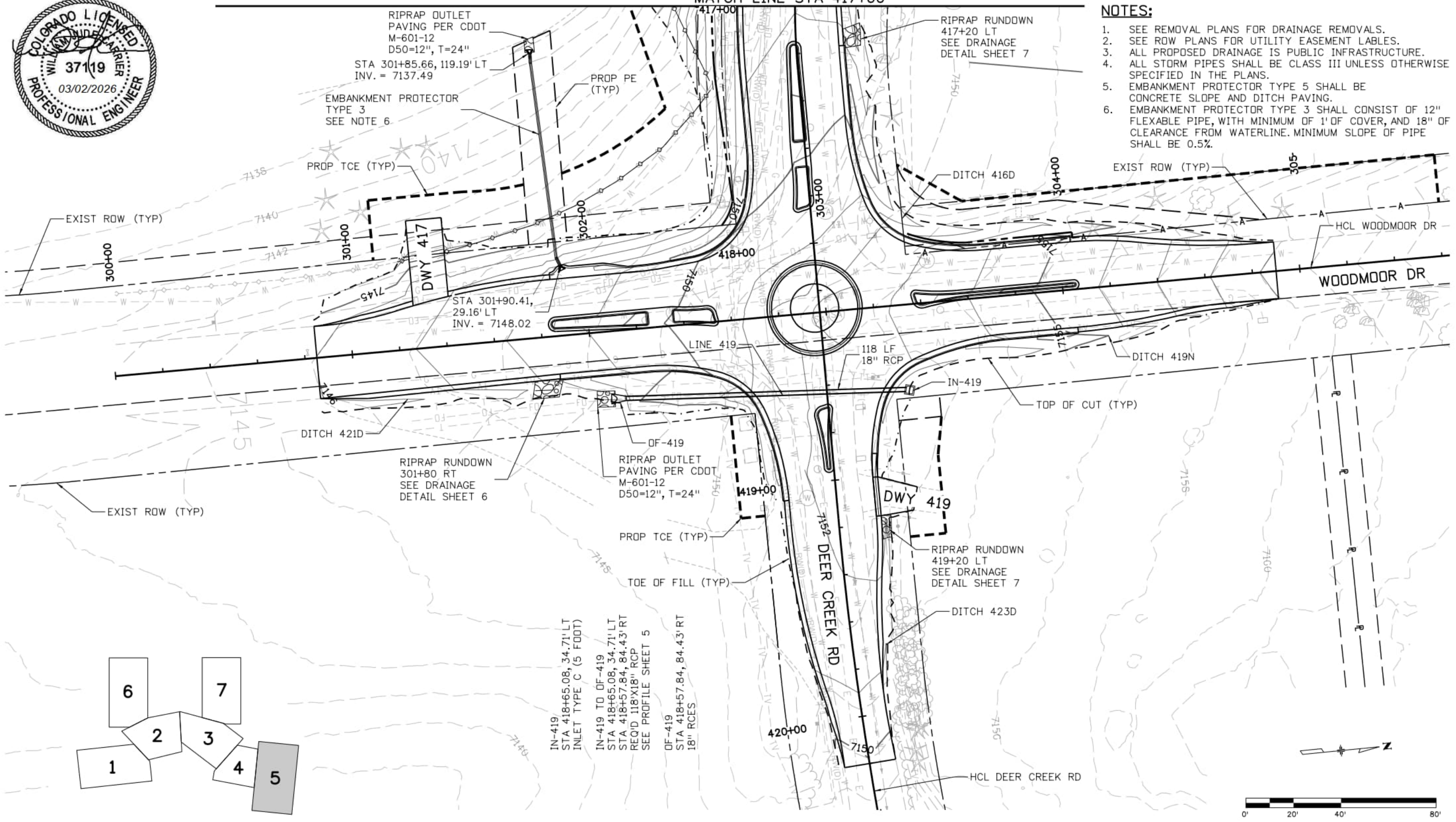
DRAINAGE 4 of 7
Sheet Number 104



MATCH LINE STA 417+00

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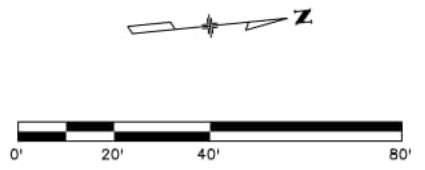
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2. SEE ROW PLANS FOR UTILITY EASEMENT LABELS.
3. ALL PROPOSED DRAINAGE IS PUBLIC INFRASTRUCTURE.
4. ALL STORM PIPES SHALL BE CLASS III UNLESS OTHERWISE SPECIFIED IN THE PLANS.
5. EMBANKMENT PROTECTOR TYPE 5 SHALL BE CONCRETE SLOPE AND DITCH PAVING.
6. EMBANKMENT PROTECTOR TYPE 3 SHALL CONSIST OF 12" FLEXIBLE PIPE, WITH MINIMUM OF 1' OF COVER, AND 18" OF CLEARANCE FROM WATERLINE. MINIMUM SLOPE OF PIPE SHALL BE 0.5%.



IN-419
STA 418+65.08, 34.71' LT
INLET TYPE C (5 FOOT)

IN-419 TO DF-419
STA 418+65.08, 34.71' LT
STA 418+57.84, 84.43' RT
REQ'D 118'x18" RCP
SEE PROFILE SHEET 5

DF-419
STA 418+57.84, 84.43' RT
18" RCES



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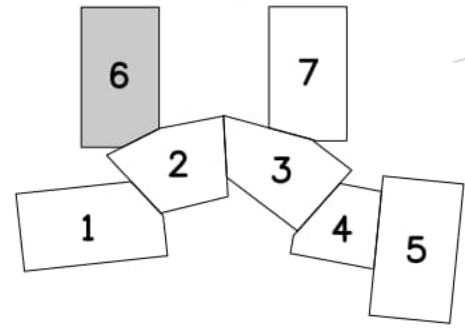
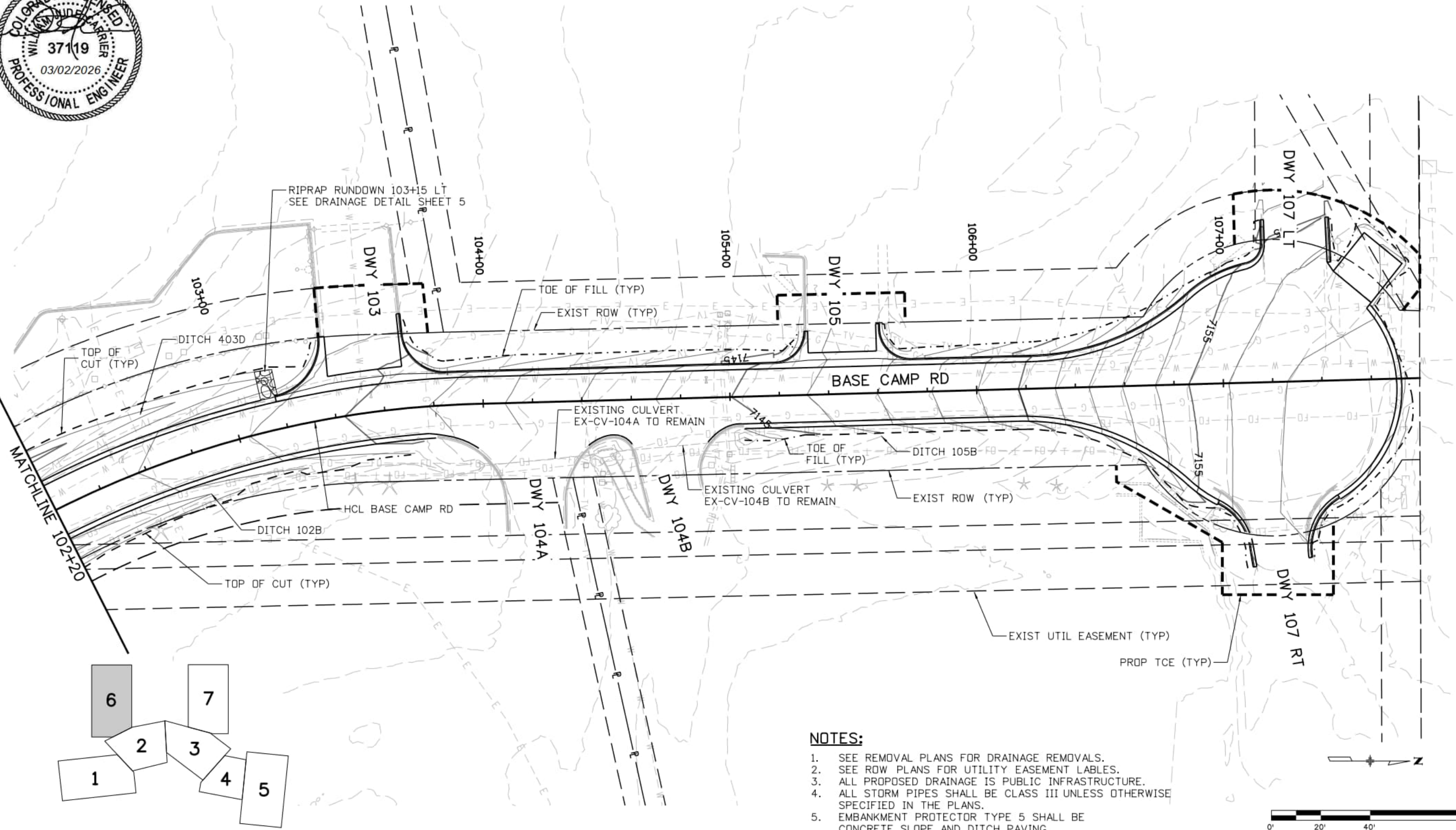


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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
DRAINAGE AND GRADING PLAN	DRAINAGE 5 of 7
STA 417+00 TO 420+20	Sheet Number 105

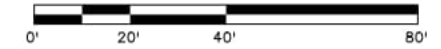


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NOTES:

1. SEE REMOVAL PLANS FOR DRAINAGE REMOVALS.
2. SEE ROW PLANS FOR UTILITY EASEMENT LABELS.
3. ALL PROPOSED DRAINAGE IS PUBLIC INFRASTRUCTURE.
4. ALL STORM PIPES SHALL BE CLASS III UNLESS OTHERWISE SPECIFIED IN THE PLANS.
5. EMBANKMENT PROTECTOR TYPE 5 SHALL BE CONCRETE SLOPE AND DITCH PAVING.



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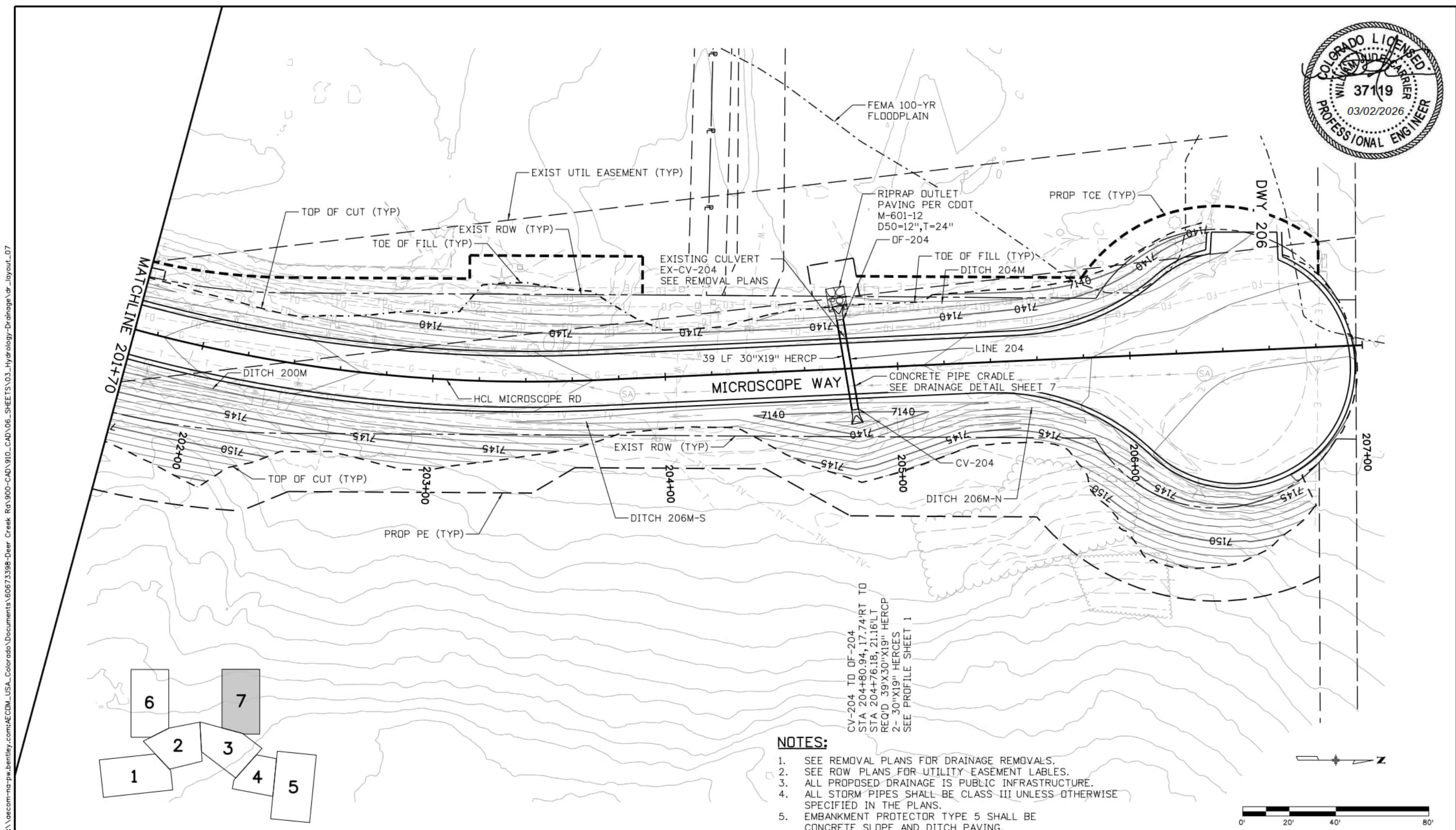
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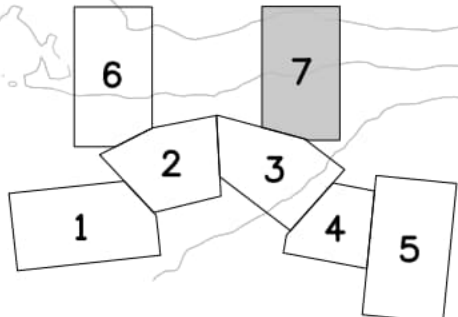
DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
DRAINAGE AND GRADING PLAN STA 102+20 TO STA 107+33.23	DRAINAGE 6 of 7
	Sheet Number 106



NOTES:

1. SEE REMOVAL PLANS FOR DRAINAGE REMOVALS.
2. SEE ROW PLANS FOR UTILITY EASEMENT LABELS.
3. ALL PROPOSED DRAINAGE IS PUBLIC INFRASTRUCTURE.
4. ALL STORM PIPES SHALL BE CLASS III UNLESS OTHERWISE SPECIFIED IN THE PLANS.
5. EMBANKMENT PROTECTOR TYPE 5 SHALL BE CONCRETE SLOPE AND DITCH PAVING.

CV-204 TO OF-204
 STA 204+80.94, 17.74' RT TO
 STA 204+76.18, 21.16' LT
 REQ'D 39"X30"X19" HERCPC
 2- 30"X19" HERCES
 SEE PROFILE SHEET 1



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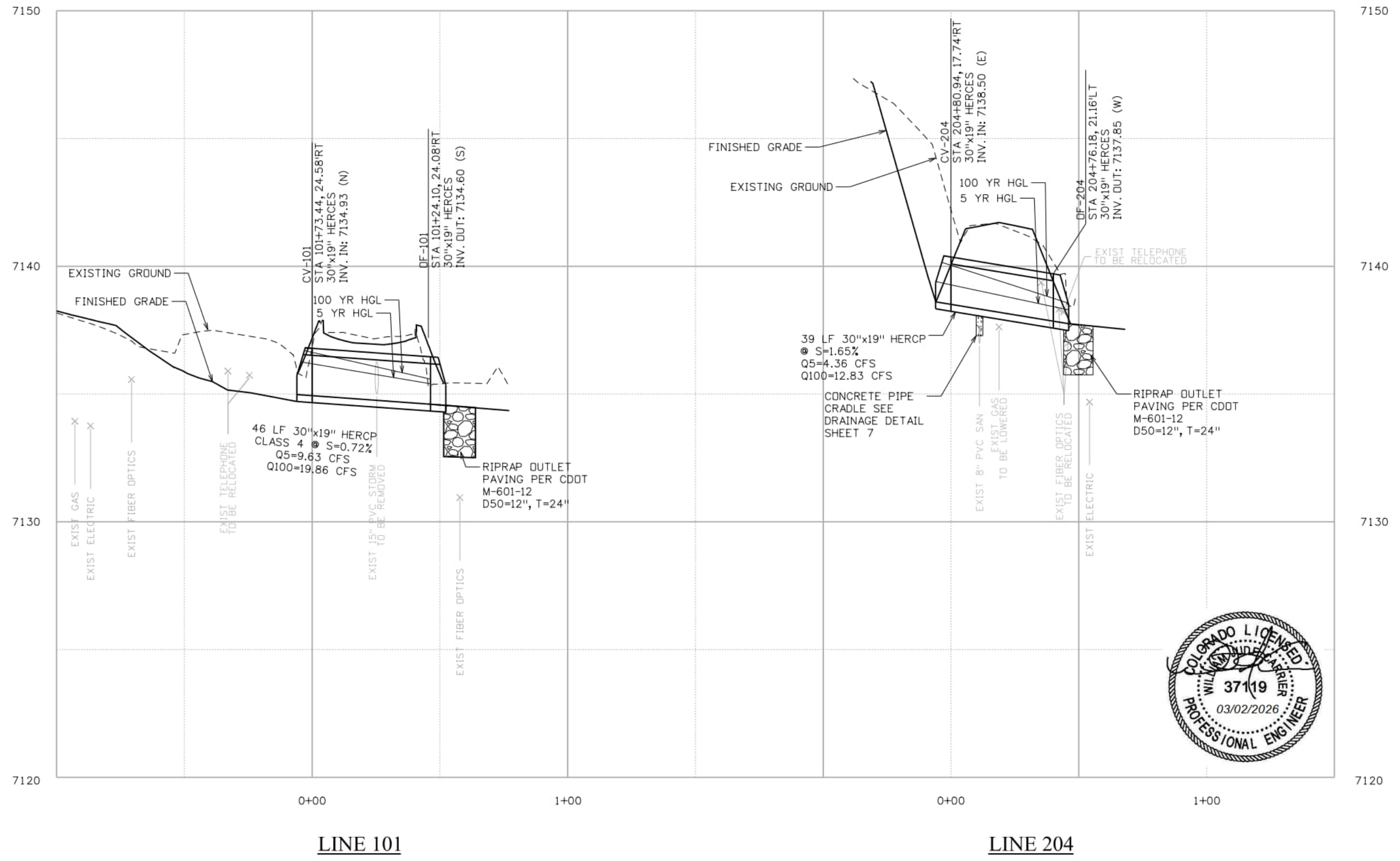
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
DRAINAGE AND GRADING PLAN STA 201+70 TO STA 206+34.67	DRAINAGE 7 of 7 Sheet Number 107

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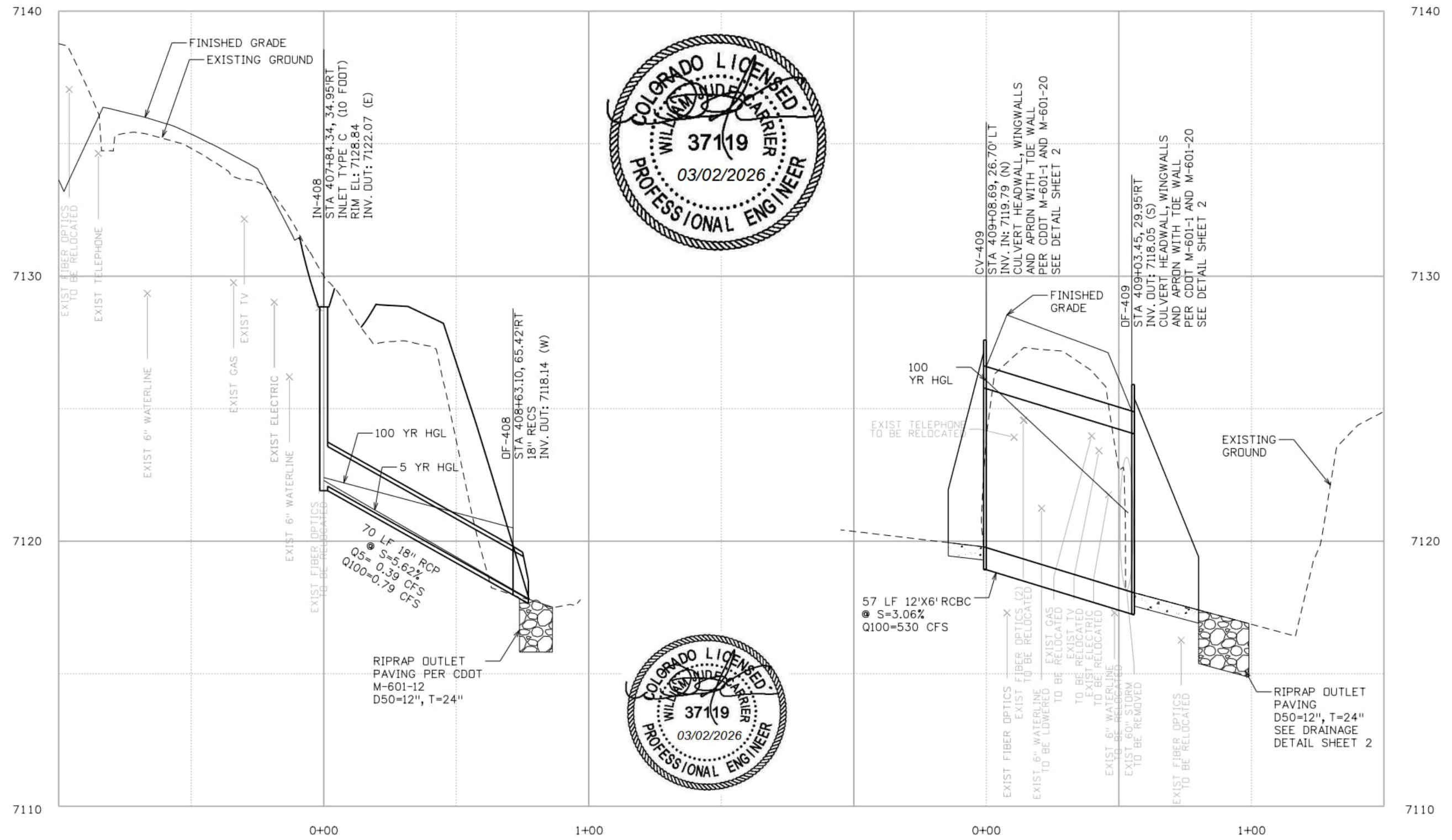
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
DRAINAGE PROFILE LINE 101 & LINE 204	DRAINAGE 1 of 5
	Sheet Number 108

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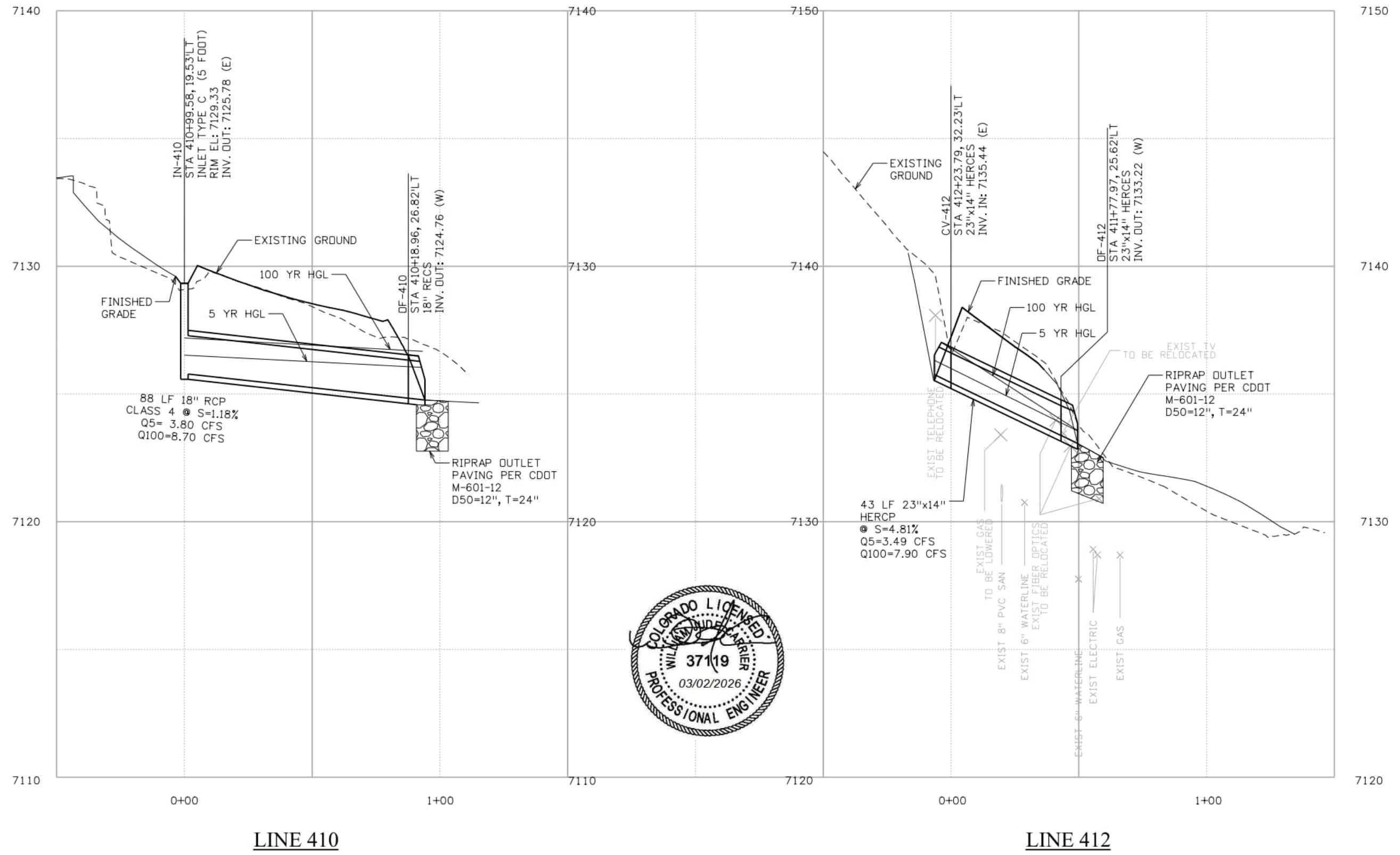
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
DRAINAGE PROFILE LINE 408 & LINE 409	DRAINAGE 2 of 5
	Sheet Number 109

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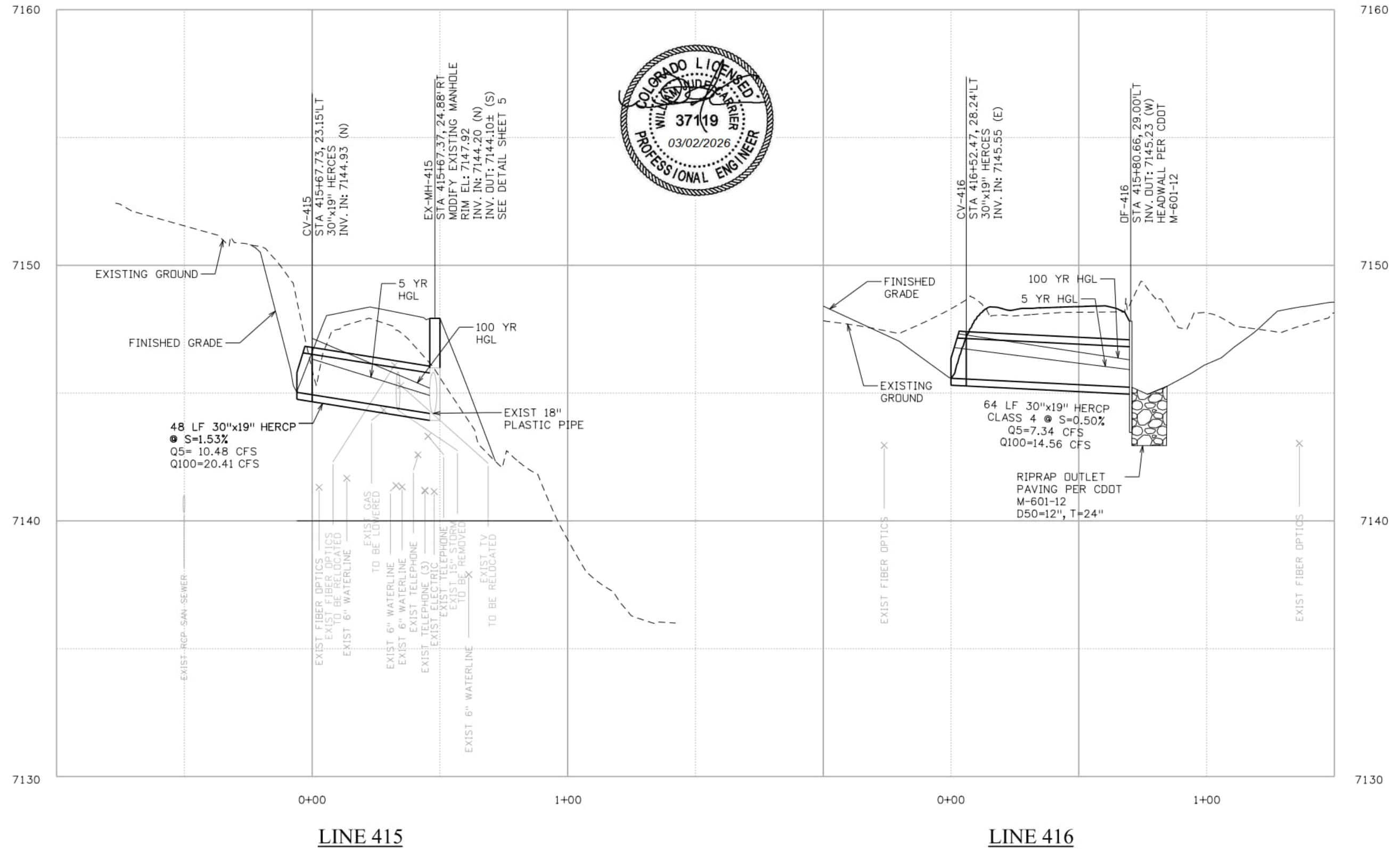
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
DRAINAGE PROFILE LINE 410 & LINE 412	DRAINAGE 3 of 5
	Sheet Number 110

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LINE 415

LINE 416

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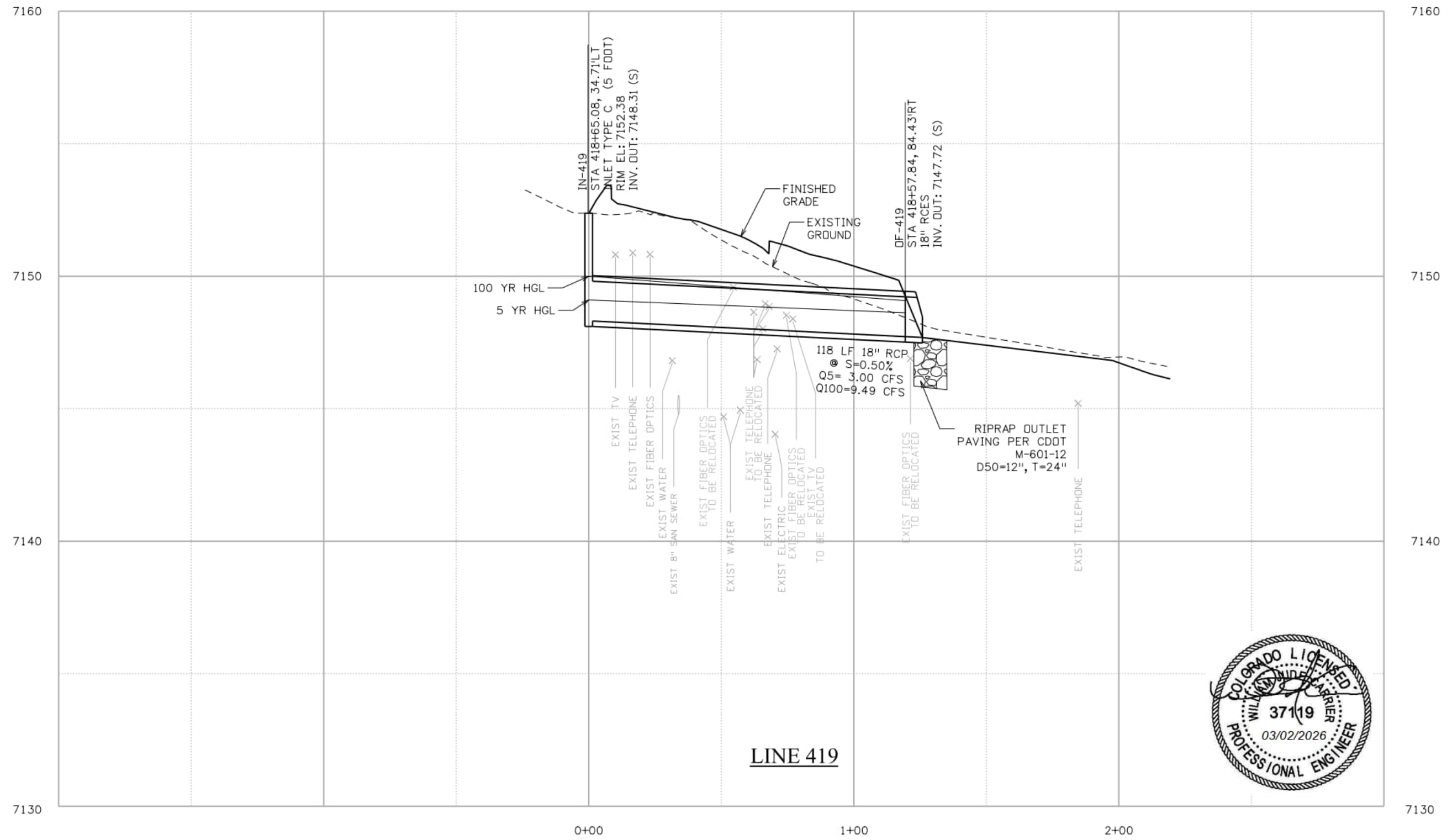
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
DRAINAGE PROFILE LINE 415 & LINE 416	DRAINAGE 4 of 5
	Sheet Number 111

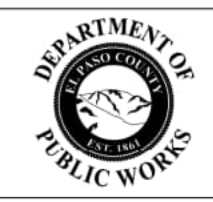
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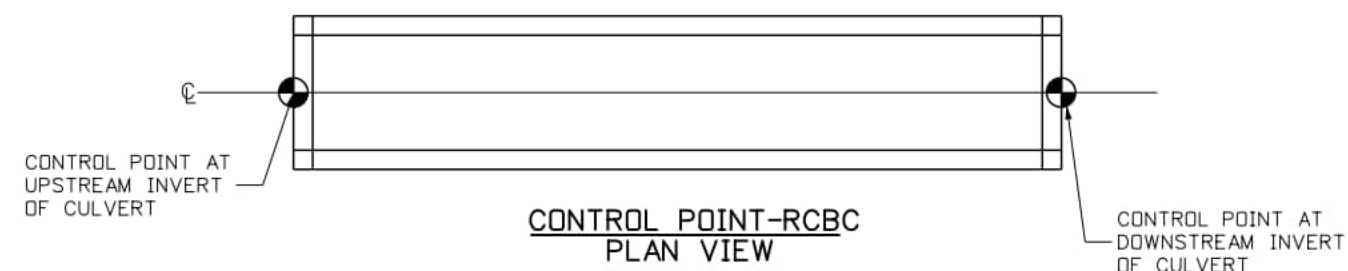
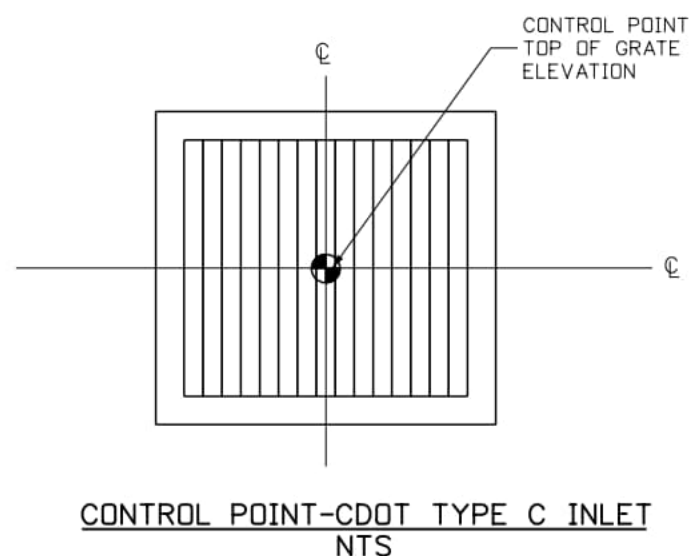
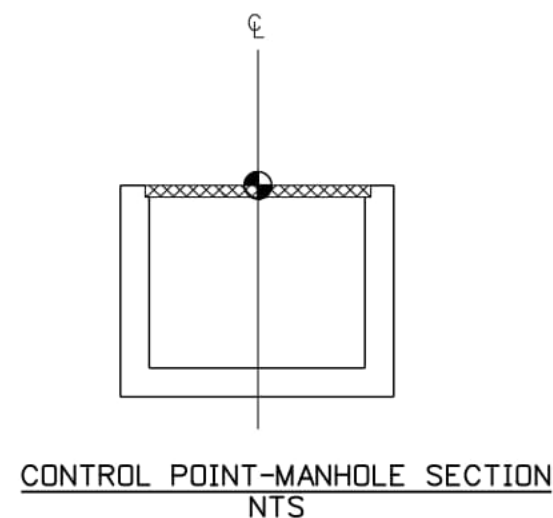
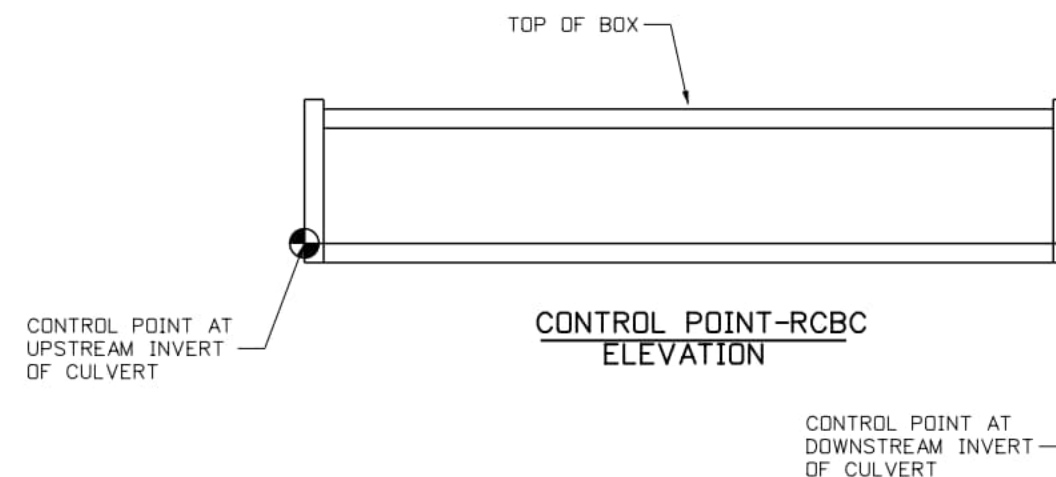
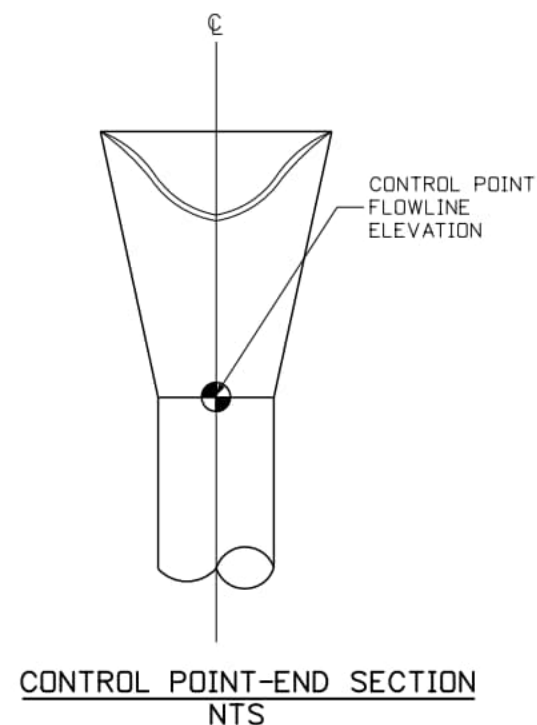
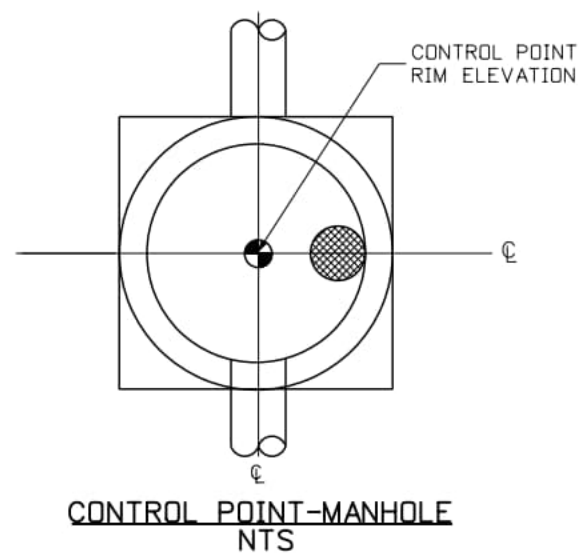
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
DRAINAGE PROFILE LINE 419	DRAINAGE 5 of 5 Sheet Number 112



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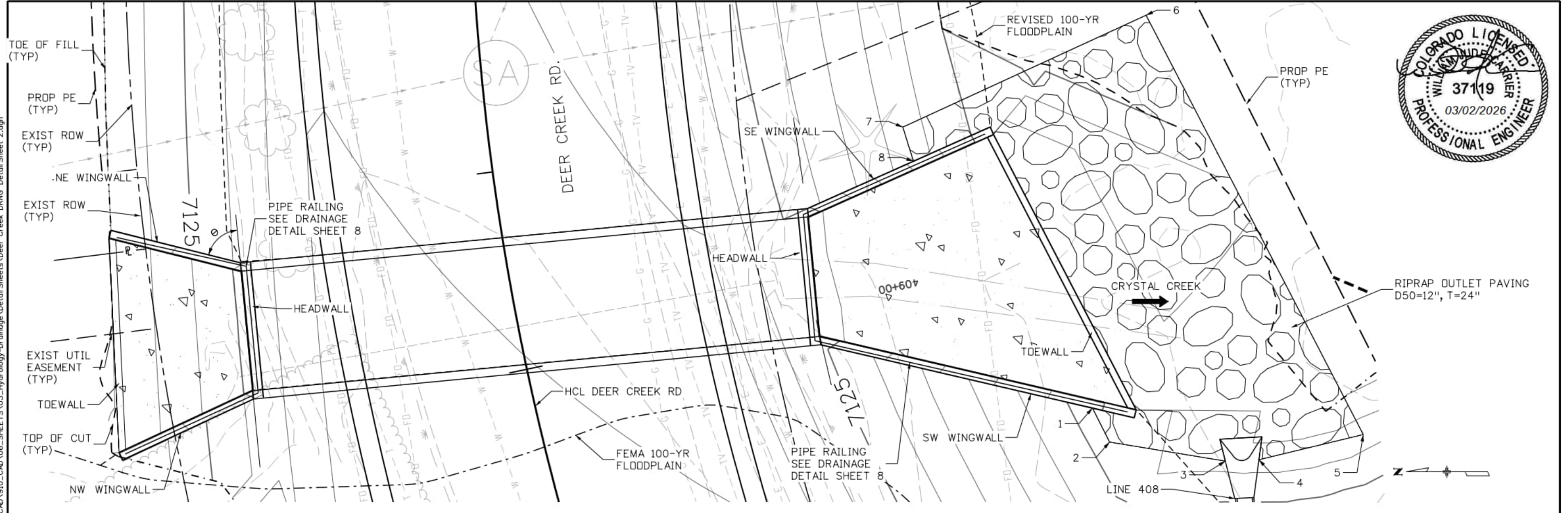
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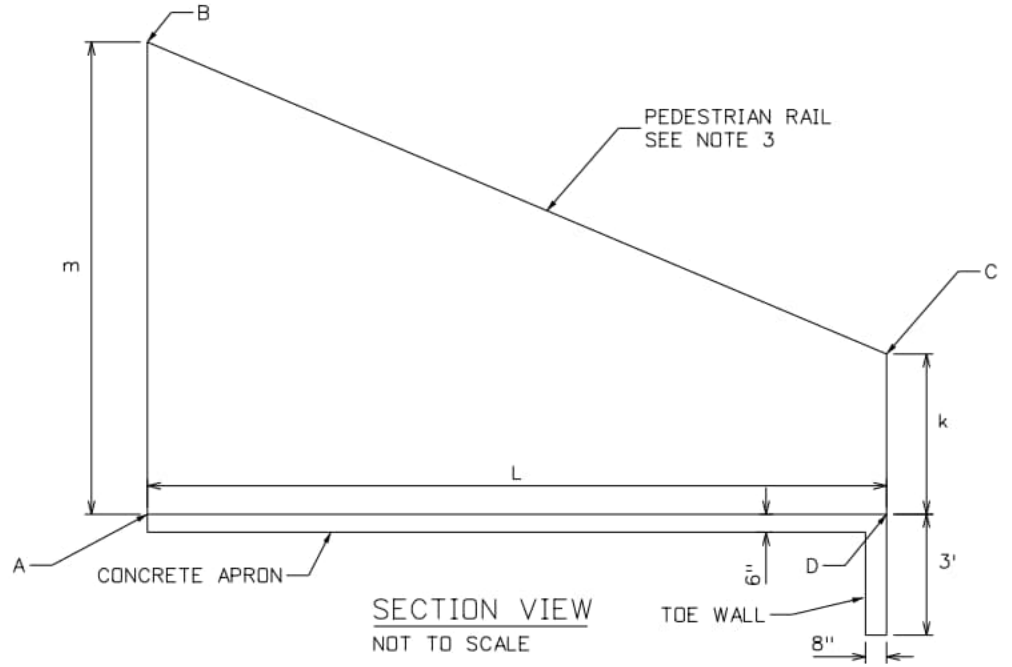


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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
DRAINAGE DETAILS CONTROL POINTS	DRAINAGE 1 of 8 Sheet Number 113



PLAN VIEW



Deer Creek Wingwall Elevations				
Wingwall Location	A	B	C	D
NE	7119.79	7127.12	7125.00	7123.00
NW	7119.79	7127.12	7125.00	7123.00
SE	7118.05	7125.38	7119.41	7117.41
SW	7118.05	7125.38	7119.41	7117.41

Deer Creek Wingwall Control Points				
Wingwall Location	m	k	L	e
	[ft]	[ft]	[ft]	
NE	7.33	2.00	13.6	75.96°
NW	7.33	2.00	14.7	65.03°
SE	7.33	2.00	20.2	65.96°
SW	7.33	2.00	32.4	76.89°

- NOTES:
- HEADWALLS SHALL BE CONSTRUCTED PER CDDT M-601-1. REFER TO CDDT STANDARD DETAIL FOR REINFORCING.
 - WINGWALLS, TOE WALLS AND CONCRETE APRONS SHALL BE CONSTRUCTED PER CDDT M-601-20. REFER TO CDDT STANDARD DETAIL FOR REINFORCING.
 - SEE DRAINAGE DETAIL SHEET 8 FOR PIPE RAILING DETAILS.
 - ALL RIPRAP SHALL BE D50=12", T=24".
 - ALL RIPRAP SHALL HAVE UNDERLYING GEOTEXTILE. GEOTEXTILE SHALL BE KEYED IN A MINIMUM OF 1' AROUND PERIMETER OF RIPRAP.

Riprap			
Point	Northing	Easting	Elevation*
1	464717.90	182480.42	7119.49
2	464716.20	182477.04	7119.52
3	464704.64	182475.13	7118.65
4	464701.28	182475.27	7118.67
5	464690.86	182477.79	7118.51
6	464712.56	182519.65	7119.75
7	464736.85	182508.47	7121.50
8	464735.78	182505.07	7121.45

*ELEVATION IS AT THE TOP OF RIPRAP

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File Name:	Deer Creek DRNG Detail Sheet 2.dgn
Last Modification Date:	2/19/2026
Designer:	JB
Detailer:	CS
Checker:	WC
Scale:	1" = 10'
Units:	Survey Feet

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Date:	Comments	Init.

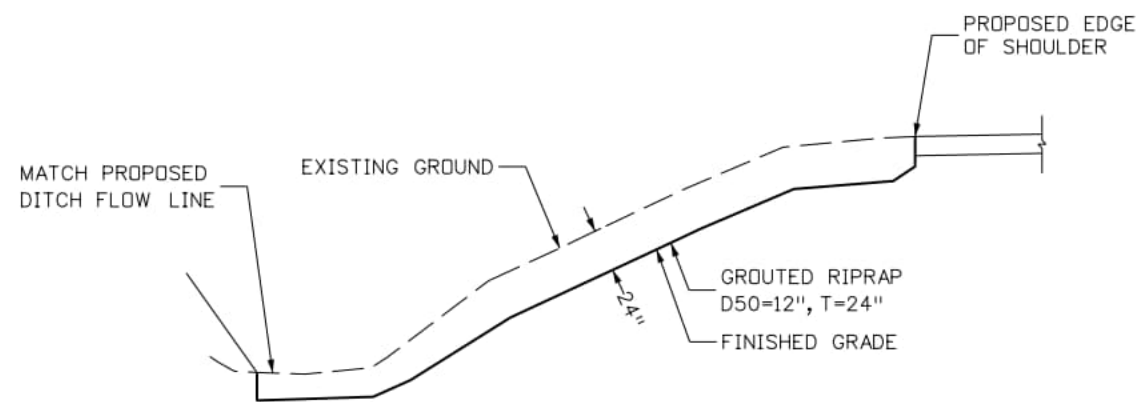
El Paso County
 Department of Public Works
 3275 Akers Dr
 Phone: 719-520-6460
 Fax: 719-520-6879



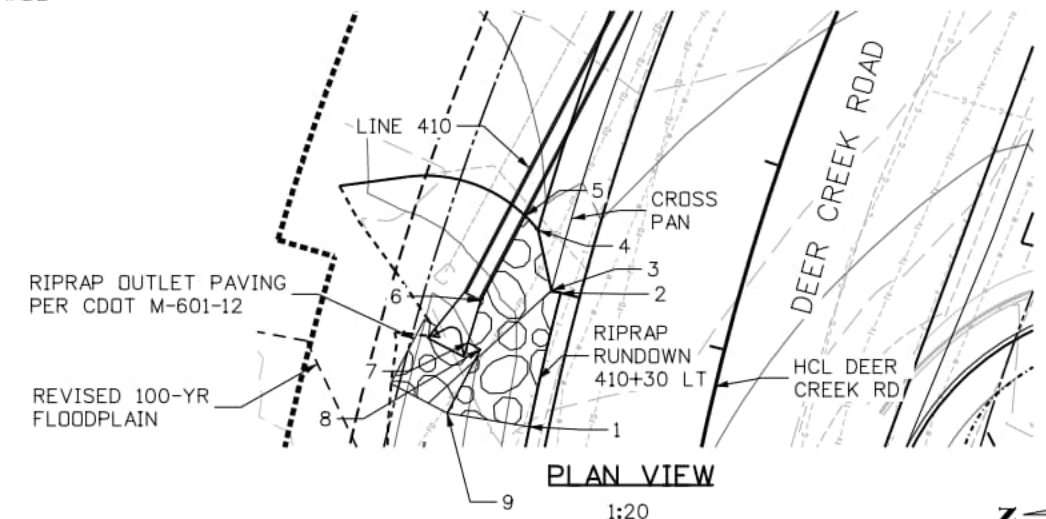
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 Colorado Springs, CO 80920
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
DRAINAGE DETAIL BOX CULVERT	DRAINAGE 2 of 8 Sheet Number 114

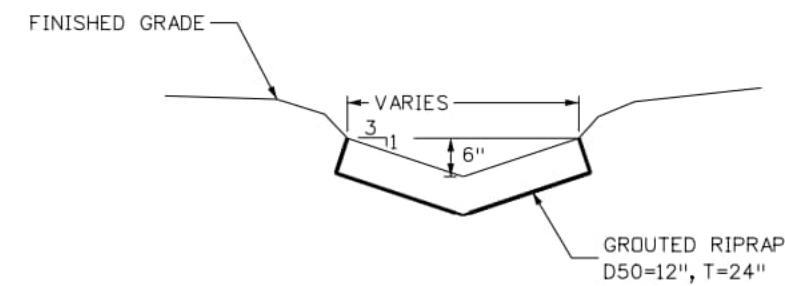
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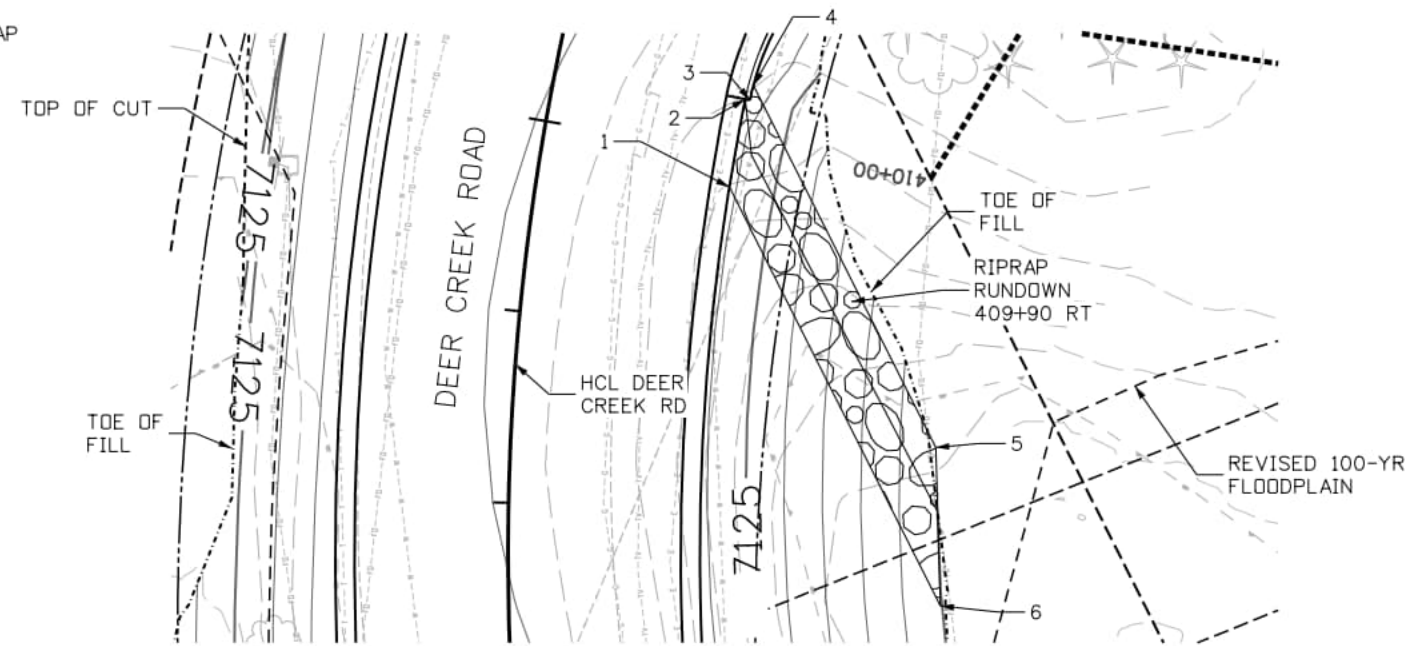
RIPRAP RUNDOWN ELEVATION
NTS



PLAN VIEW
1:20



RIPRAP RUNDOWN TYPICAL SECTION
NTS



PLAN VIEW
1:20

Riprap Rundown 410+30 LT			
Point	Northing	Easting	Elevation*
1	464792.36	182595.19	7127.74
2	464789.00	182609.14	7127.82
3	464789.97	182609.40	7127.80
4	464791.36	182615.68	7127.95
5	464792.71	182617.16	7127.89
6	464797.36	182608.33	7126.58
7	464798.69	182603.95	7125.91
8	464797.36	182603.25	7126.17
9	464800.86	182596.61	7125.58

*ELEVATION IS AT THE TOP OF RIPRAP

Riprap Rundown 409+90 RT			
Point	Northing	Easting	Elevation*
1	464757.05	182576.80	7126.13
2	464755.39	182585.96	7126.18
3	464754.90	182585.86	7126.18
4	464754.54	182587.38	7126.35
5	464735.53	182549.67	7120.21
6	464735.05	182533.15	7120.00

*ELEVATION IS AT THE TOP OF RIPRAP

NOTES:
1. ALL RIPRAP SHALL BE D50=12", T=24".
ALL RUNDOWNS SHALL BE GROUTED.

jessica.barr 10:56:11 AM p:\aecom-na-pw\bentley.com\AECOM_USA_Colorado\Documents\60673398-Deer Creek Rd\900-CAD\910-CAD\06-SHEETS\03-Hydrology-Drainage\Detail Sheets\Deer Creek DRNG Detail Sheet 3.dgn

Computer File Information	
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File Name: Deer Creek DRNG Detail Sheet 3.dgn	
Last Modification Date: 6/3/2024	
Designer: JB Detailer: CS Checker: WC	
11x17 Scale: 1"= 20' Units: Survey Feet	

Index of Revisions		
Date:	Comments	Init.

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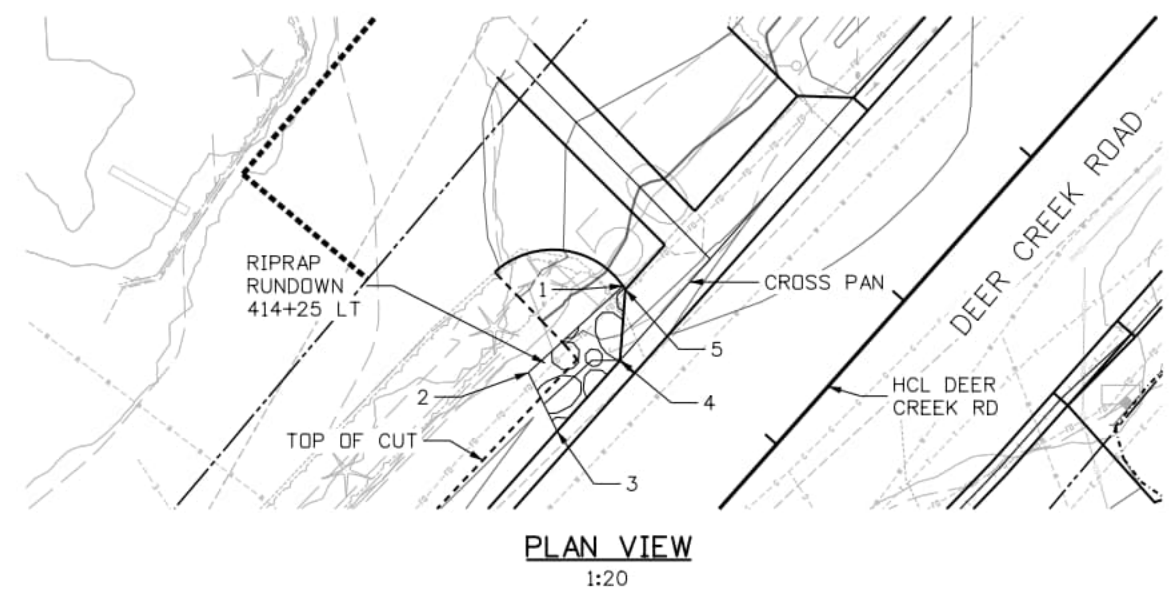
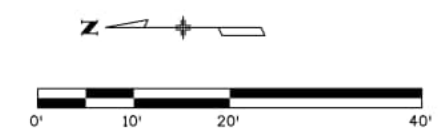
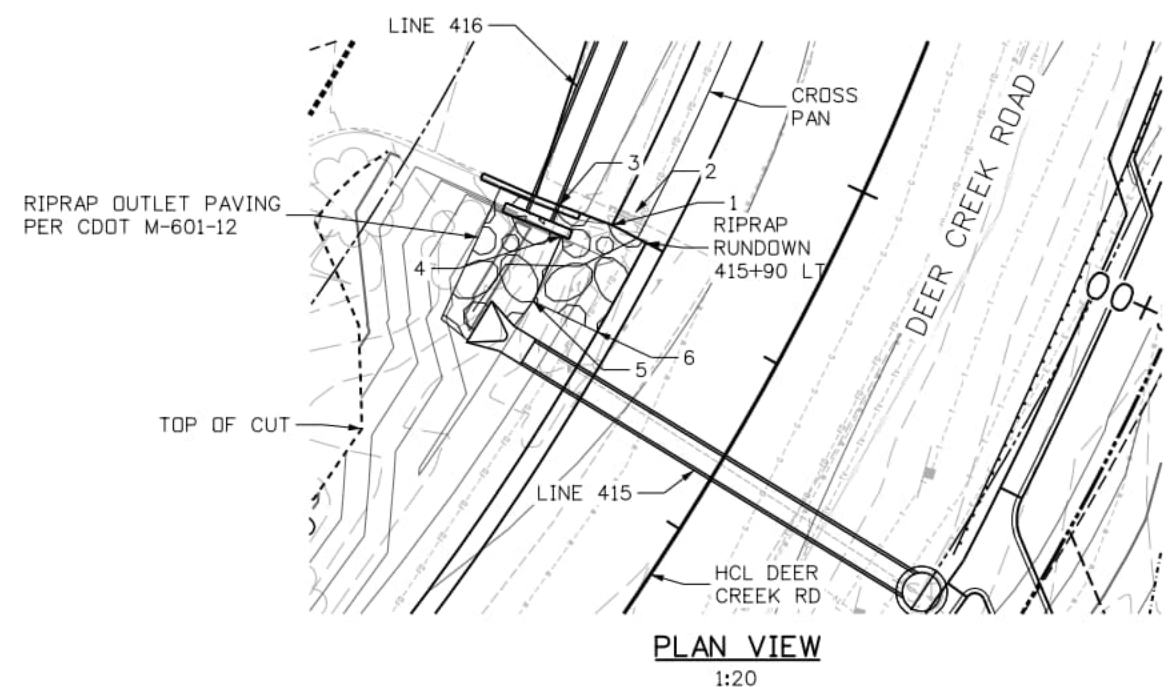
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
DRAINAGE DETAIL RIPRAP RUNDOWN	DRAINAGE 3 of 8 Sheet Number 115



Riprap Rundown 415+90 LT			
Point	Northing	Easting	Elevation*
1	464444.40	183054.83	7147.71
2	464447.95	183056.68	7147.88
3	464453.41	183058.74	7148.09
4	464453.20	183055.52	7147.93
5	464456.16	183048.75	7146.01
6	464449.50	183045.55	7147.86

*ELEVATION IS AT THE TOP OF RIPRAP



Riprap Rundown 414+25 LT			
Point	Northing	Easting	Elevation*
1	464546.84	182934.44	7149.50
2	464556.72	182925.40	7148.37
3	464553.71	182919.31	7148.79
4	464547.15	182926.69	7148.76
5	464546.60	182934.08	7149.42

*ELEVATION IS AT THE TOP OF RIPRAP

NOTES:
 1. SEE DRAINAGE DETAIL SHEET 3 FOR RIPRAP RUNDOWN TYPICAL SECTIONS.

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Computer File Information	
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Last Modification Date: 5/29/2024	
Designer: JB Detailer: CS Checker: WC	
11x17 Scale: 1"= 20' Units: Survey Feet	

Index of Revisions		
Date:	Comments	Init.

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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
DRAINAGE DETAIL RIPRAP RUNDOWN	DRAINAGE 4 of 8 Sheet Number 116

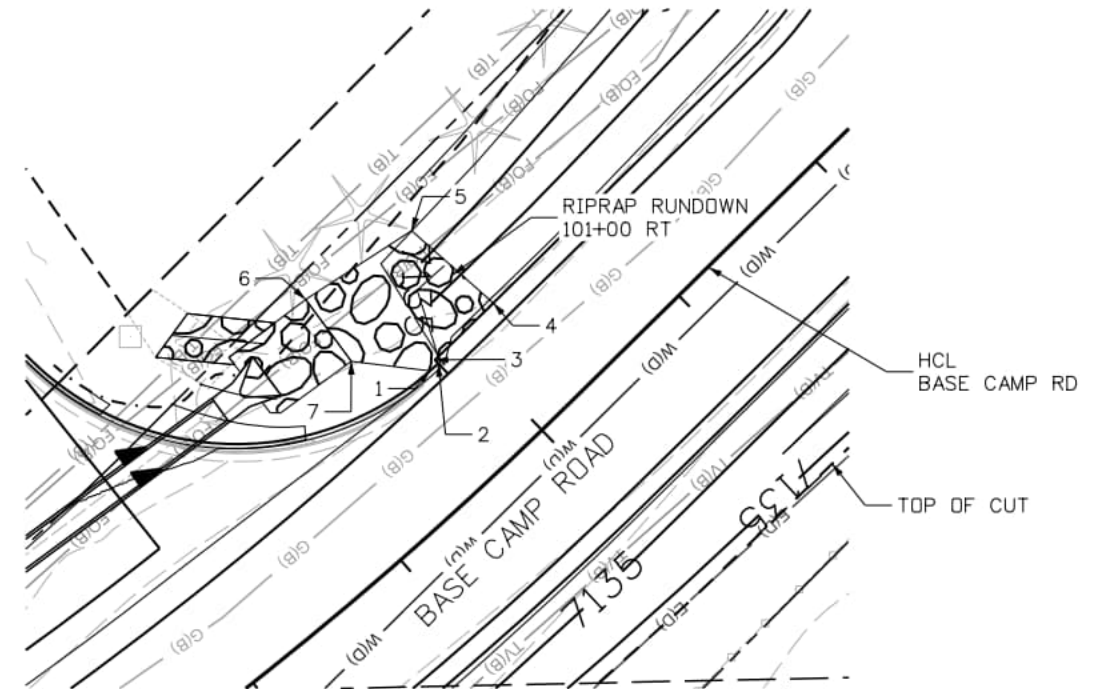
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Riprap Rundown 103+15 LT			
Point	Northing	Easting	Elevation*
1	464876.99	182084.73	7138.73
2	464882.83	182083.36	7138.82
3	464882.72	182082.87	7139.32
4	464883.69	182082.63	7139.34
5	464881.44	182072.21	7139.00
6	464874.37	182073.21	7139.00

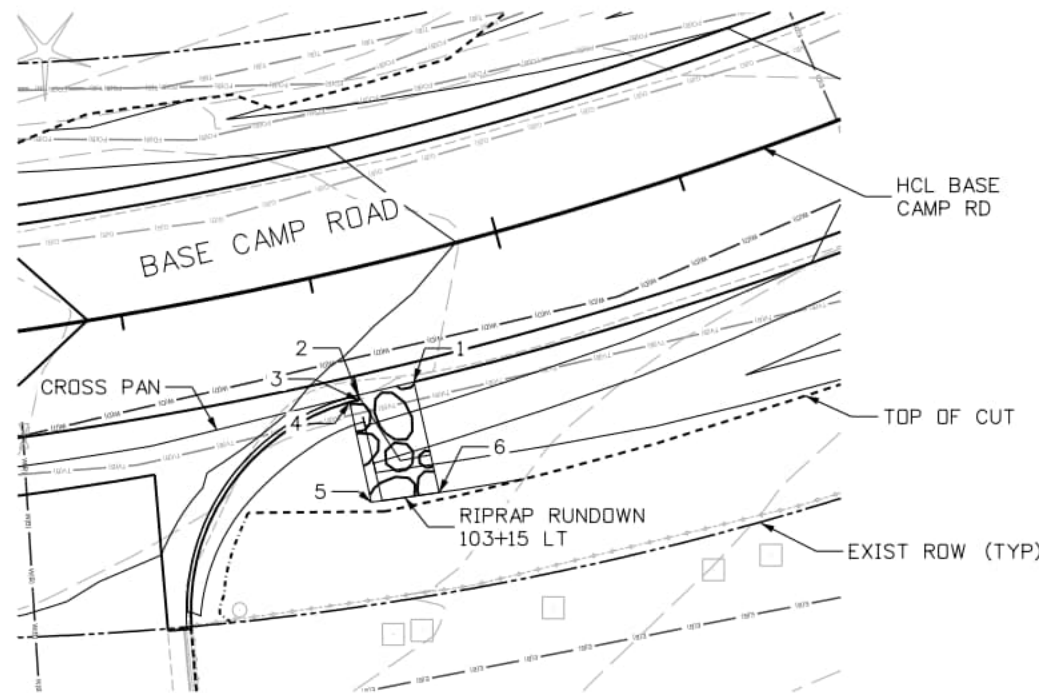
*ELEVATION IS AT THE TOP OF RIPRAP

Riprap Rundown 101+00 RT			
Point	Northing	Easting	Elevation*
1	464708.20	182204.63	7136.22
2	464707.36	182205.40	7136.10
3	464707.71	182205.76	7136.10
4	464701.61	182211.69	7136.06
5	464710.12	182219.23	7136.01
6	464721.16	182212.06	7136.60
7	464716.40	182205.63	7135.92

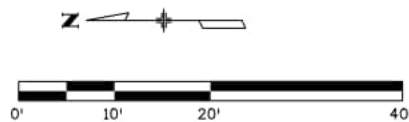
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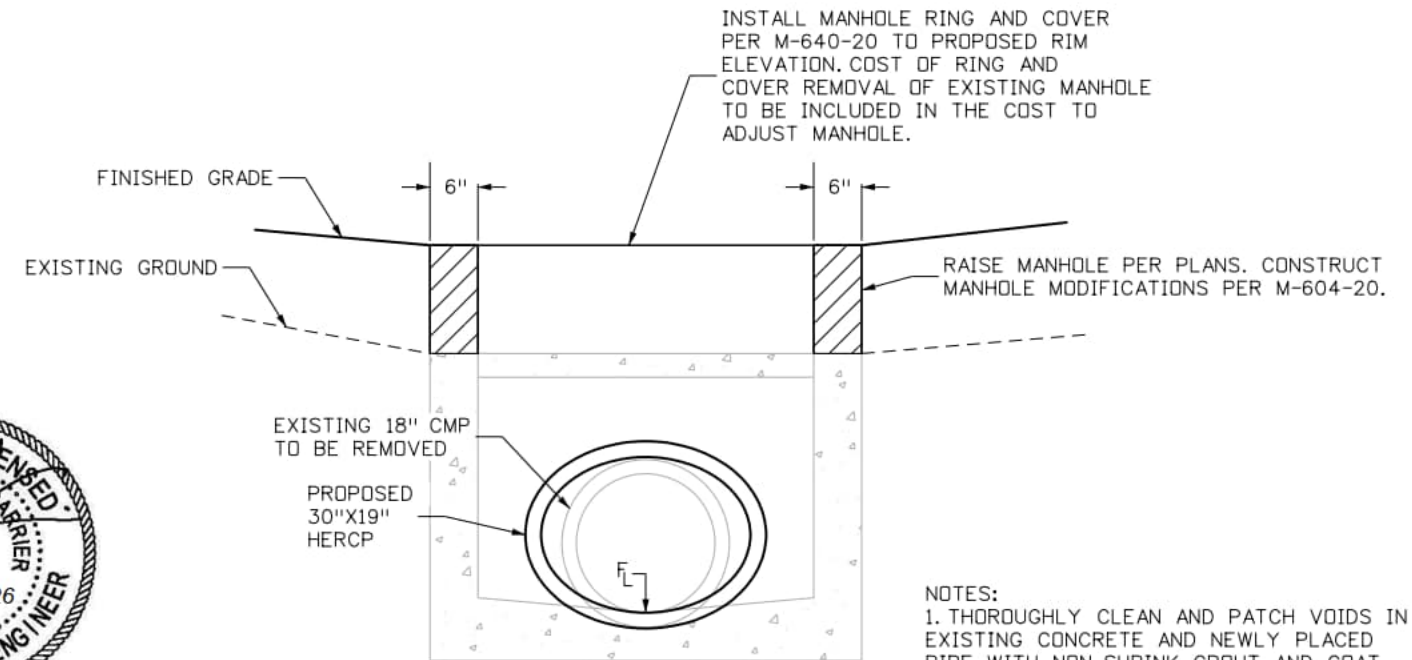
PLAN VIEW
1:20



PLAN VIEW
1:20



NOTES:
1. SEE DRAINAGE DETAIL SHEET 3 FOR RIPRAP RUNDOWN TYPICAL SECTION.



MODIFY MANHOLE
NOT TO SCALE

NOTES:
1. THOROUGHLY CLEAN AND PATCH VOIDS IN EXISTING CONCRETE AND NEWLY PLACED PIPE WITH NON-SHRINK GROUT AND COAT EXTERIOR FACE WITH WATERPROOFING MEMBRANE.
2. COST OF GROUT AND WATERPROOFING WILL NOT BE PAID FOR SEPERATLY BUT SHALL BE INCLUDED IN THE WORK.



Computer File Information	
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File Name: Deer Creek DRNG Detail Sheet 5.dgn	
Last Modification Date: 8/28/2024	
Designer: JB Detailer: CS Checker: WC	
11x17 Scale: 1" = 20' Units: Survey Feet	

Index of Revisions		
Date:	Comments	Init.

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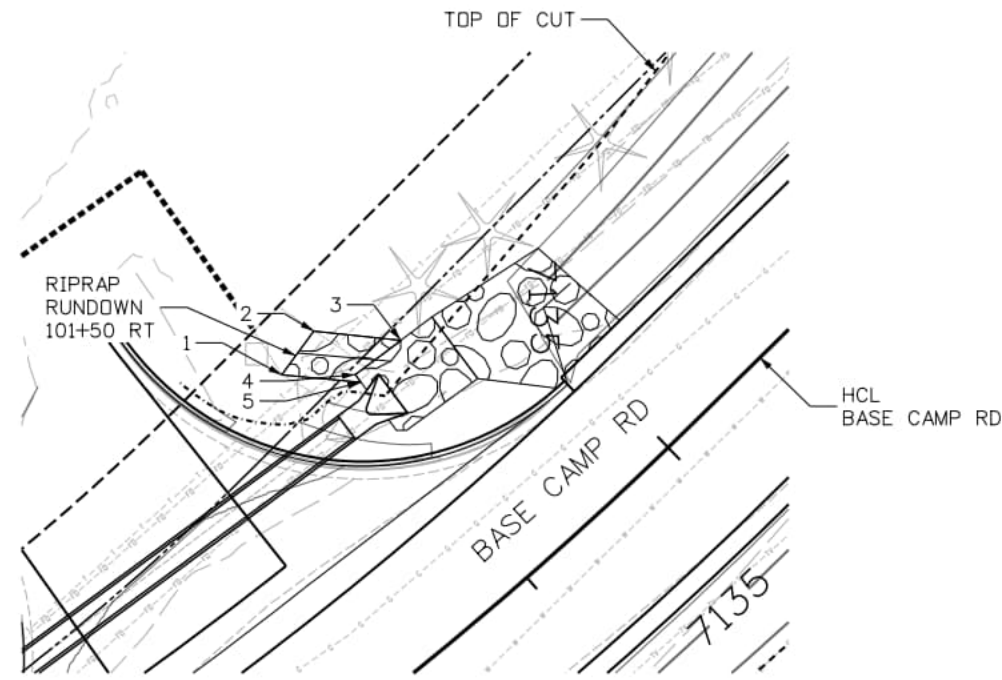
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

DRAINAGE DETAIL
RIPRAP RUNDOWN

DRAINAGE 5 of 8
Sheet Number 117

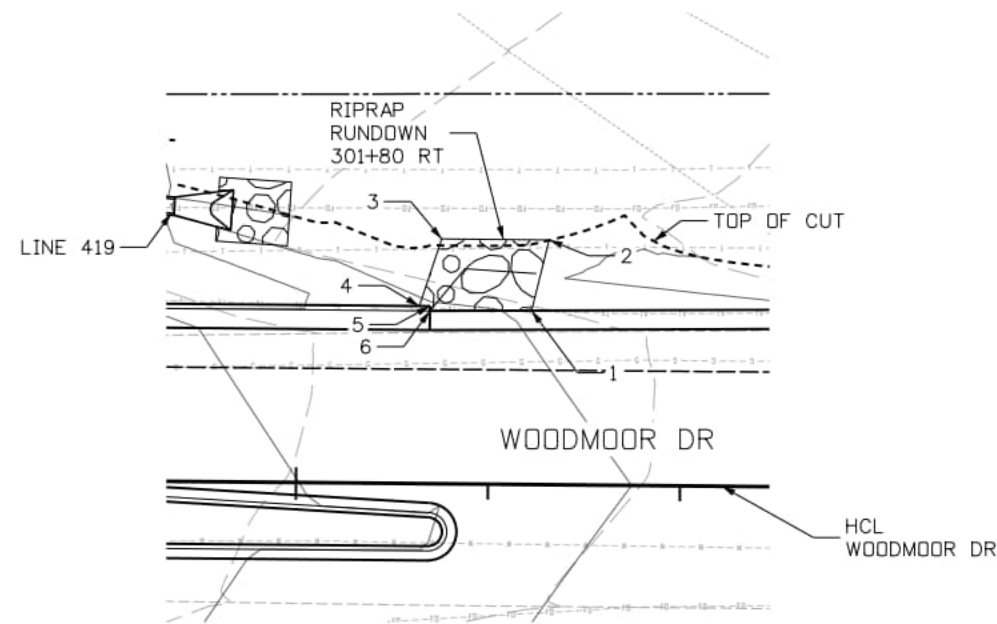
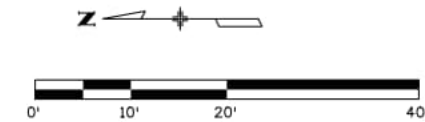
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PLAN VIEW
1:20

Riprap Rundown 101+50 RT			
Point	Northing	Easting	Elevation*
1	464736.81	182206.03	7137.37
2	464733.48	182210.59	7137.11
3	464724.34	182209.63	7135.40
4	464729.15	182206.05	7135.67
5	464728.56	182205.25	7135.70

*ELEVATION IS AT THE TOP OF RIPRAP



PLAN VIEW
1:20

Riprap Rundown 301+80 RT			
Point	Northing	Easting	Elevation*
1	464271.36	183302.28	7147.93
2	464269.52	183309.64	7147.35
3	464280.71	183309.76	7147.62
4	464283.04	183302.76	7148.20
5	464281.92	183302.75	7148.11
6	464281.93	183302.25	7148.11

*ELEVATION IS AT THE TOP OF RIPRAP

Computer File Information	
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File Name: Deer Creek DRNG Detail Sheet 6.dgn	
Last Modification Date: 8/28/2024	
Designer: JB Detailer: CS Checker: WC	
11x17 Scale: 1" = 20' Units: Survey Feet	

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Date:	Comments	Init.

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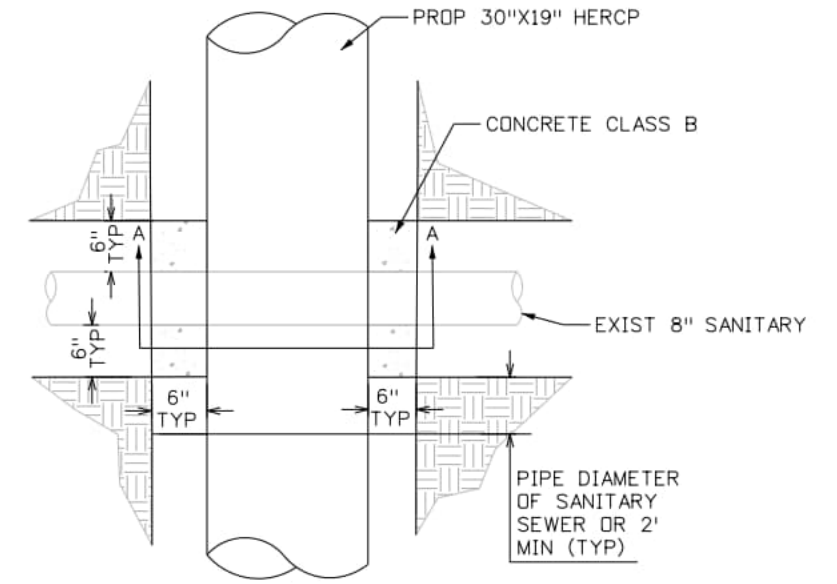
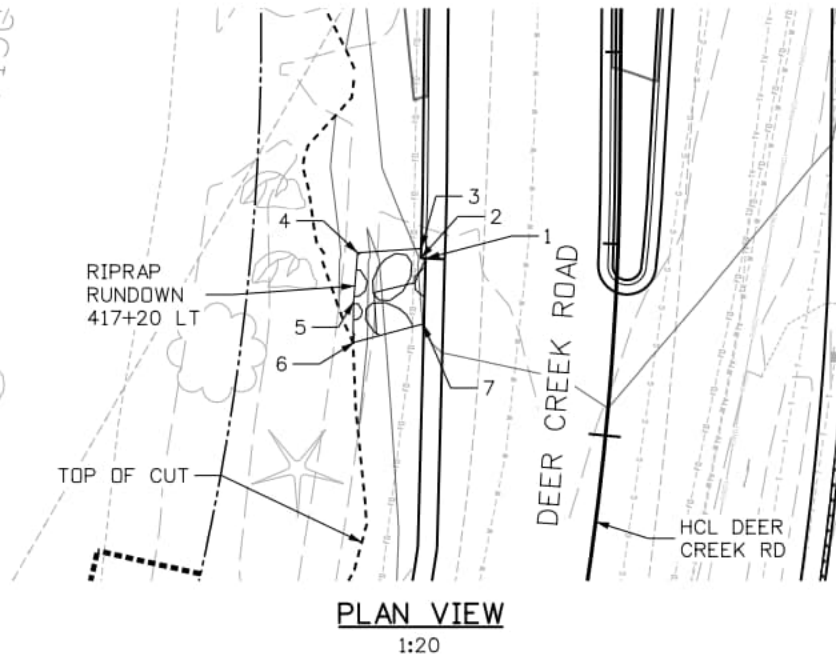
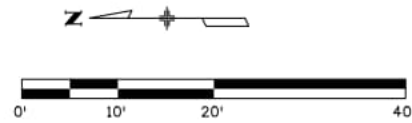
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
DRAINAGE DETAIL RIPRAP RUNDOWN	DRAINAGE 6 of 8 Sheet Number 118

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Riprap Rundown 417+20 LT			
Point	Northing	Easting	Elevation*
1	464414.35	183174.60	7149.05
2	464414.85	183174.62	7149.05
3	464414.81	183175.62	7149.13
4	464421.44	183175.18	7148.42
5	464421.86	183170.11	7148.50
6	464421.92	183165.80	7148.50
7	464414.53	183167.77	7149.01

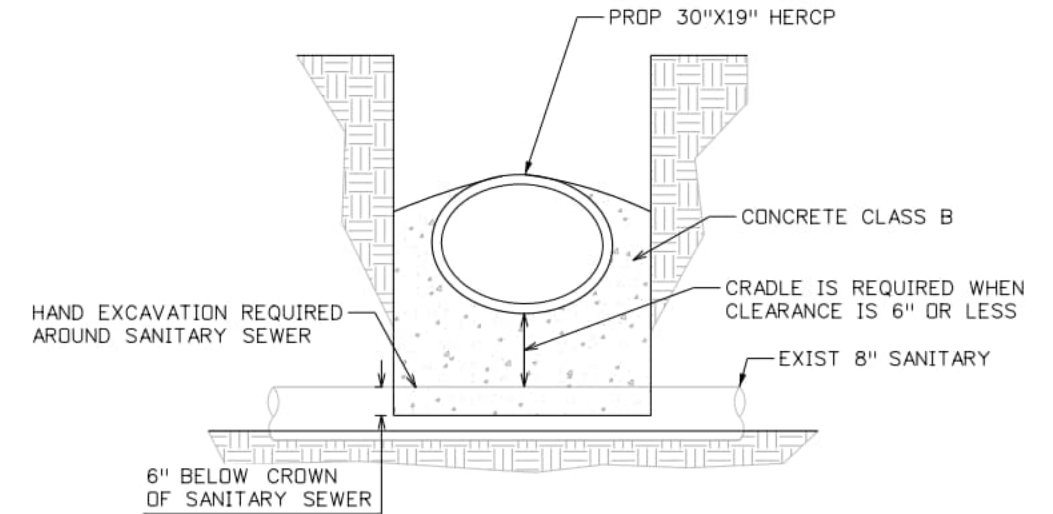
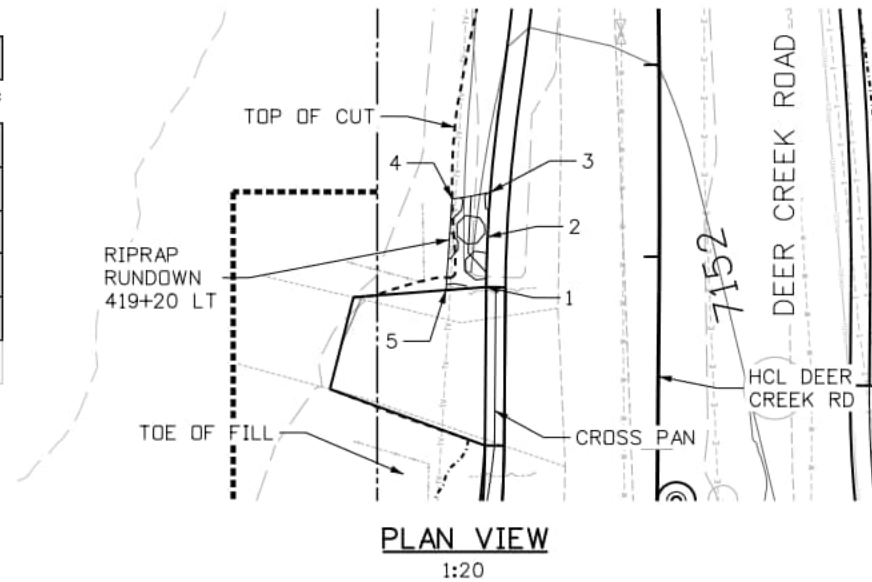
*ELEVATION IS AT THE TOP OF RIPRAP



NOTES:
1. REINFORCING NOT REQUIRED.

Riprap Rundown 419+20 LT			
Point	Northing	Easting	Elevation*
1	464410.44	183372.90	7152.45
2	464410.30	183378.12	7152.34
3	464410.03	183382.64	7152.26
4	464414.01	183382.12	7152.42
5	464414.64	183372.58	7152.60

*ELEVATION IS AT THE TOP OF RIPRAP



NOTE:
1. SEE DRAINAGE DETAIL SHEET 3
FOR RIPRAP RUNDOWN TYPICAL SECTION.

Computer File Information

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Date:	Comments	Init.

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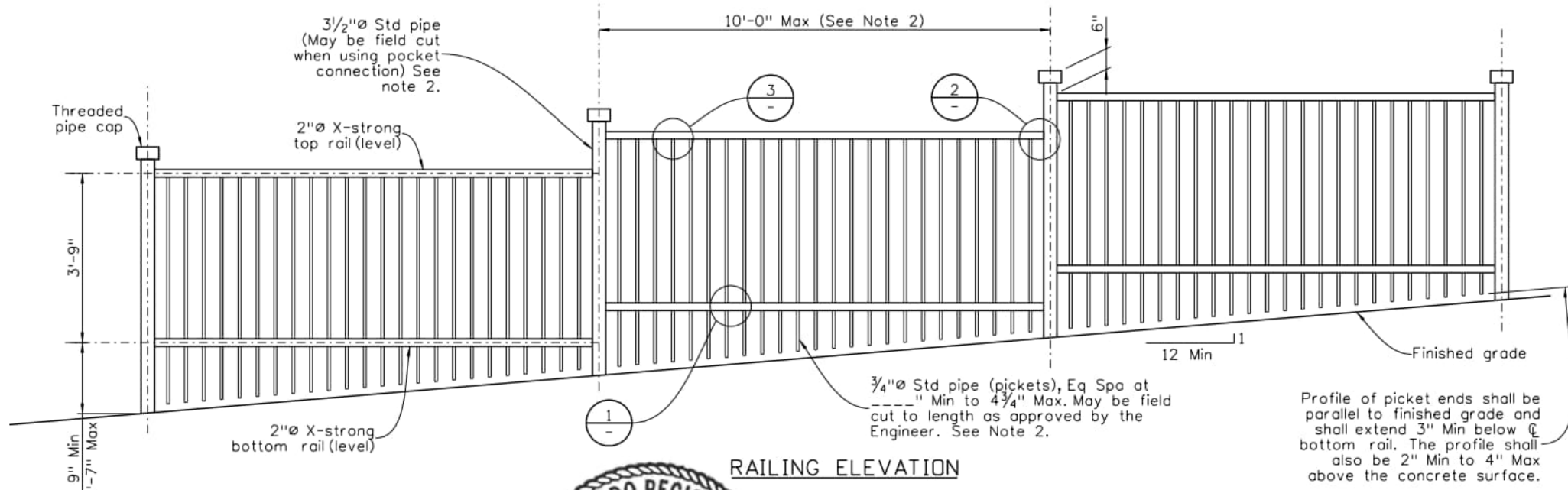
AECOM
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Colorado Springs, CO 80920
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AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS

DRAINAGE DETAIL
RIPRAP RUNDOWN

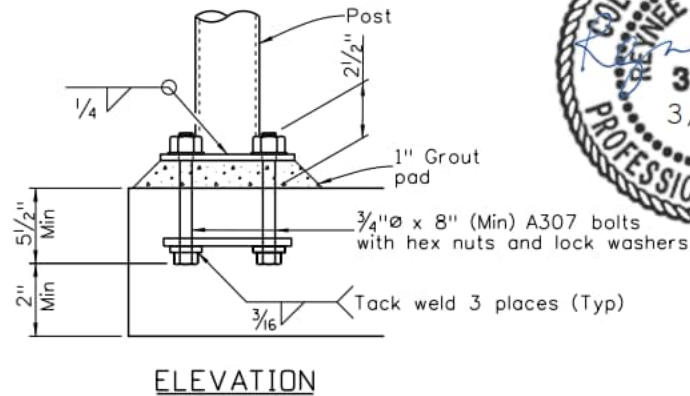
DRAINAGE 7 of 8

Sheet Number 119

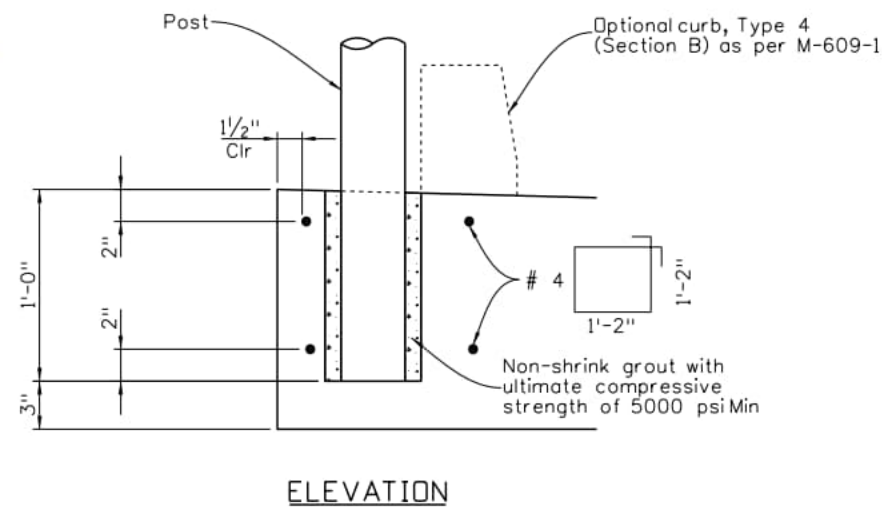


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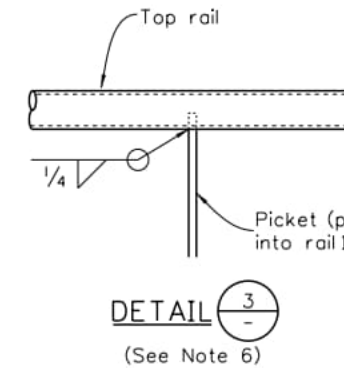
1. All railing panels shall be shop fabricated.
2. Seal picket ends with threaded pipe caps when not installed next to a curb. Field-cut ends, without pipe caps, shall be ground smooth to preclude personal injury to the general public.
3. All pipe shall meet the requirements in ASTM A53 for Grade B steel and all plates and bars shall meet the requirements in AASHTO M270 for Grade 36 steel.
4. Concrete (Class D) shall be used to support rail posts.
5. Posts shall be installed in a properly reinforced slab.
6. Holes in rails, for pickets, and holes in posts, for pins, shall be drilled.
7. Railing components shall be galvanized in accordance with Sect 509.11 or duplex coated.
8. Railing will be paid for, by the linear foot, as Item 514 Pipe Railing.
9. Railing accommodates pedestrians and bicycles in accordance with LRFD Bridge Specifications.



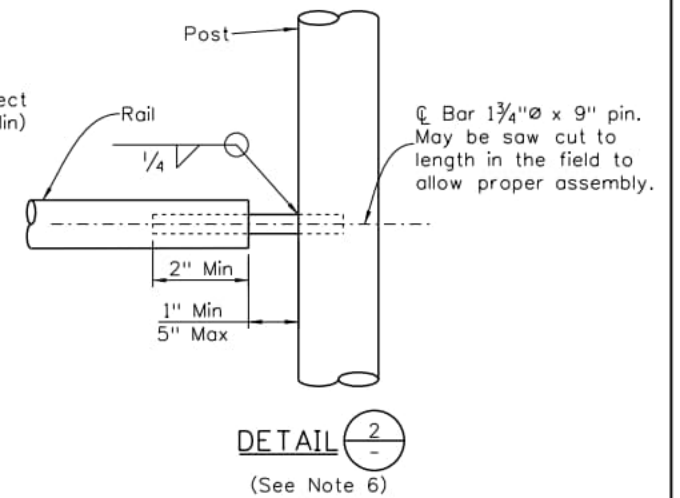
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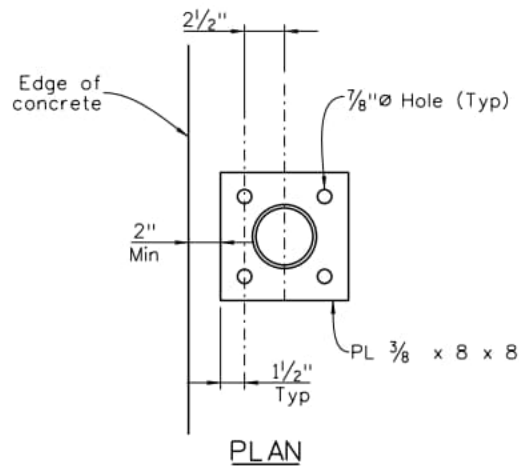
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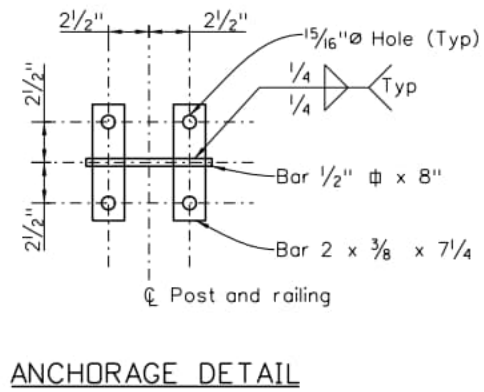
DETAIL 3
(See Note 6)



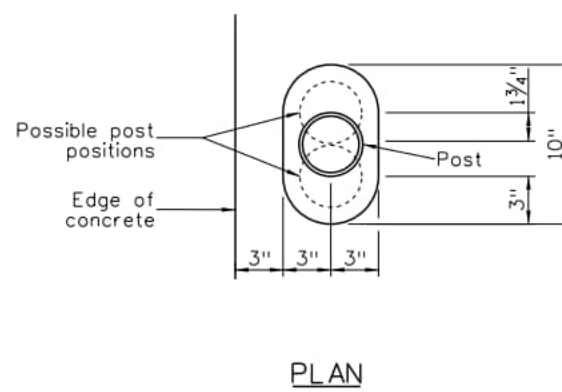
DETAIL 2
(See Note 6)



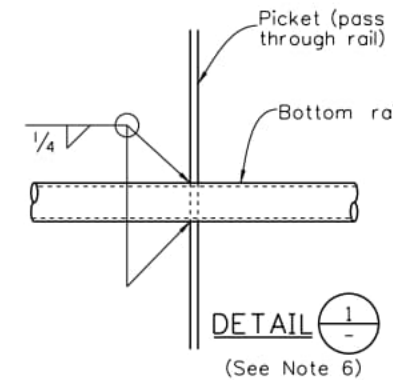
PLAN



ANCHORAGE DETAIL



PLAN



DETAIL 1
(See Note 6)

SUMMARY OF APPROXIMATE QUANTITIES

(For Information Only)

ITEM NO	DESCRIPTION	Unit	WITH BASE PL	WITH POST POCKET
509	Structural Steel (Galvanized)	Lb/Ft	30.6	29.9
602	Reinforcing Steel (Epoxy Coated)	Lb/Ft		0.7

Computer File Information

Print Date: 2/24/2026	
File Name: Deer Creek DRNG Detail Sheet 8.dgn	
Last Modification Date: 9/30/2024	
Designer: Detailer: Checker:	
11x17 Scale: 1" = N/A	Units: Survey Feet

Index of Revisions

Date:	Comments	Init.

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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

**DRAINAGE DETAIL
PIPE RAILING**

Drainage 8 of 8
Sheet Number 120

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UTILITY PLAN FOR INFORMATION ONLY



Know what's below.
Call before you dig.

Deer Creek UTILITY CONTACT INFORMATION

Facility	OWNER	CONTACT			
		NAME	TELEPHONE	CELL PHONE	EMAIL
Gas	Black Hills Gas	Adam Magoon	719-400-8995		adam.magoon@blackhillsenergy.com
Water & Waste Water	Woodmoor Water & Sanitation District #1	Cydney Salens	719-488-2525 ext 13		CydneyS@woodmoorwater.com
Electric	Mountain View Electric	Les Ulfers	719-494-2682		les.u@mvea.coop
Electric	Mountain View Electric	Kevin Dimmett			kevin.d@mvea.coop
Electric	Mountain View Electric	Jim Kennel			jim.k@mvea.coop
Fiber Optic / Telephone	Lumen (Terra Tech)	Robert Mcleod	303-949-2187		rmcleod@terratechllc.net
Fiber Optic / Telephone	Lumen	Ken Davis	719-636-4413	719-428-8107	ken.davis2@centurylink.com
Fiber Optic / Television	Comcast	Steven Creighton	720-854-5745		steven_creighton@comcast.com
Fiber Optic	Verizon	David Mcallister			david.mcallister@verizon.com

LEGEND

- E --- E --- EXISTING UNDERGROUND ELECTRIC
- E --- OH --- EXISTING OVERHEAD ELECTRIC
- W --- W --- EXISTING WATERLINE
- G --- G --- EXISTING GAS LINE
- S --- S --- EXISTING SANITARY SEWER
- SD --- SD --- EXISTING STORM DRAIN
- === PROPOSED STORM DRAIN
- T --- T --- EXISTING TELEPHONE
- FO --- FO --- EXISTING FIBER OPTIC LINE
- TV --- TV --- EXISTING TV LINE

- EXISTING STORM SEWER MH
- EXISTING SANITARY SEWER MH
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER VENT
- EXISTING WATER MH
- PROPOSED WATER VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED TH LOCATION
- EXISTING ELECTRIC PULLBOX
- EXISTING ELECTRIC METER
- EXISTING ELECTRIC MARKER
- EXISTING ELECTRIC TRANSFORMER
- EXISTING STREET LIGHT POLE
- EXISTING HIGH MAST STREET LIGHT TOWER
- EXISTING STREET LIGHT PULL BOX
- EXISTING GAS METER
- EXISTING GAS TEST STATION
- EXISTING GAS MARKER
- EXISTING FIBER OPTIC HAND HOLE
- EXISTING FIBER OPTIC MARKER
- EXISTING TELEPHONE PEDESTAL
- EXISTING TELEPHONE HAND HOLE
- EXISTING TELEVISION PEDESTAL
- EXISTING UNKNOWN VENT

ABBREVIATIONS

- AB ABANDON
- ADJ ADJUST
- BHE BLACK HILLS ENERGY
- CST COMCAST
- DB DUCT BANK
- DIP DUCTILE IRON PIPE
- ELEC ELECTRIC
- EXIST EXISTING
- FH FIRE HYDRANT
- FO FIBER OPTIC
- HCL HORIZONTAL CONTROL LINE
- HP HIGH PRESSURE
- LIP LOWER IN PLACE
- LVL3 LEVEL 3 COMMUNICATIONS
- LUM LUMEN
- MH MANHOLE
- OHE OVERHEAD ELECTRIC
- PP POWER POLE
- PROP PROPOSED
- PT PROTECT
- PVC POLYVINYL CHLORIDE PIPE
- ROW RIGHT-OF-WAY
- RL RELOCATE
- RM REMOVE
- RP REPLACE
- RS RESET
- TCE TEMPORARY CONSTRUCTION EASEMENT
- TELE TELEPHONE
- TH TEST HOLE
- SS SANITARY SEWER
- STORM STORM DRAIN
- UGE UNDERGROUND ELECTRIC
- WL WATERLINE

NOTES

- UTILITIES ARE DEPICTED ON THESE PLANS IN ACCORDANCE WITH THEIR ACHIEVED QUALITY LEVELS AS DEFINED IN ASCE 38, STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA. RELIANCE ON THESE 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. THE CONTRACTOR SHALL INVESTIGATE AND UNDERSTAND THE SCOPE OF WORK BETWEEN THE PROJECT OWNER AND THE ENGINEER REGARDING THE LIMITS OF THE UTILITY INVESTIGATIONS LEADING TO THESE UTILITY DIRECTIONS.
- SEE SUBSURFACE UTILITY INVESTIGATION PLANS FOR ACHIEVED 'QUALITY LEVEL', FOR TEST HOLE DATA, AND FOR SUBSURFACE UTILITY ENGINEERING LIMITS.
- CONTRACTOR IS RESPONSIBLE FOR UTILITY SERVICE CONNECTIONS TO PRIVATE BUILDINGS. PAYMENT SHALL BE UNDER ITEM ADJUST UTILITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF UTILITIES ENCOUNTERED DURING CONSTRUCTION THAT HAVE BEEN IDENTIFIED FOR REMOVAL OR ABANDONMENT BY THE UTILITY. UNLESS A SEPARATE PAY ITEM HAS BEEN ESTABLISHED, THE WORK TO REMOVE AND DISPOSE OF ABANDONED UTILITY LINES SHALL BE INCLUDED IN THE COST OF THE WORK AND SHALL NOT BE PAID SEPARATELY.
- PROPOSED ELECTRIC, TELEPHONE, FIBER OPTIC, GAS, AND CABLE TV RELOCATIONS SHOWN ON THE UTILITY SHEETS ARE SCHEMATIC ONLY AND SUBJECT TO CHANGE AS WORK PROGRESSES. SAID UTILITY OWNERS ARE RESPONSIBLE FOR THE DESIGN OF THEIR RELOCATIONS.
- CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH UTILITY PROVIDERS THROUGHOUT PROJECT DURATION. SEE PROJECT SPECIAL PROVISIONS FOR MORE INFORMATION.
- NO UTILITY ACCESS BOXES SHALL BE SET IN PEAK FLOW ZONE OF DRAINAGE WAYS.
- SEE DRAINAGE PLANS FOR PROPOSED DRAINAGE.
- SEE WALL PLANS FOR PROPOSED WALLS.
- SEE LIGHTING PLANS FOR PROPOSED LIGHTING.
- CONTRACTOR TO VERIFY ELEVATION OF UTILITIES AT CONFLICT LOCATIONS.

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 AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
UTILITY CONFLICT PLAN NOTES AND LEGEND	UTIL GEN 1 of 1
	Sheet Number 121

UTILITY MATRIX

Utility Owner	Util ID #	Conflict Location					Test Hole No.	Conflict Description	Conflict Resolution		
		Utility Type	Drawing or Sheet No.	Alignment	Station	Dist. Lt. / Rt.			Recommended Action or Resolution	Est. Resolution Date	Current Status
WOODMOOR WSD	FH-01-A	FIRE HYDRANT	1	DEER CREEK RD	401+58	37' RT	N/A	N/A	PROTECT FIRE HYDRANT		
WOODMOOR WSD	FH-01-B	FIRE HYDRANT	1	DEER CREEK RD	404+11	66' RT	N/A	N/A	PROTECT FIRE HYDRANT		
WOODMOOR WSD	W-V-01-A	WATER VALVE	1	DEER CREEK RD	404+18	7' LT	N/A	NEW PAVEMENT	ADJUST VALVE		
WOODMOOR WSD	W-V-01-B	WATER VALVE	1	DEER CREEK RD	404+22	6' LT	N/A	NEW PAVEMENT	ADJUST VALVE		
WOODMOOR WSD	W-V-01-C	WATER VALVE	1	DEER CREEK RD	404+25	7' LT	N/A	NEW PAVEMENT	ADJUST VALVE		
WOODMOOR WSD	FH-02-A	FIRE HYDRANT	2	DEER CREEK RD	406+06	25' LT	N/A	GRADING	REMOVE & REPLACE WITH NEW FIRE HYDRANT		
COMCAST	TV-RS-02-A	TV RISER	2	DEER CREEK RD	406+19	17' RT	N/A	NEW PAVEMENT	RELOCATE RISER		
WOODMOOR WSD	W-V-02-A	WATER VALVE	2	DEER CREEK RD	406+27	11' LT	N/A	NEW PAVEMENT	ADJUST VALVE		
WOODMOOR WSD	W-V-02-B	WATER VALVE	2	DEER CREEK RD	406+31	32' LT	N/A	NEW PAVEMENT	ADJUST VALVE		
BLACK HILLS ENERGY	G-TS-02-A	GAS TEST STATION	2	DEER CREEK RD	406+47	14' RT	N/A	NEW PAVEMENT	RELOCATE TEST STATION		
BLACK HILLS ENERGY	G-V-02-A	GAS VALVE	2	DEER CREEK RD	406+47	14' RT	N/A	NEW PAVEMENT	ADJUST VALVE		
WOODMOOR WSD	W-MH-02-A	WATER MANHOLE	2	DEER CREEK RD	406+87	21' RT	N/A	NEW PAVEMENT	ADJUST MANHOLE		
WOODMOOR WSD	W-VP-02-A	WATER VENT PIPE	2	DEER CREEK RD	406+87	25' RT	N/A	GRADING	PROTECT VENT PIPE		
CENTURY LINK	TELE-RS-02-A	TELEPHONE RISER	2	DEER CREEK RD	406+66	26' LT	N/A	GRADING	RELOCATE RISER		
CENTURY LINK	FO-JB-02-A	FIBER OPTIC JUNCTION BOX	2	DEER CREEK RD	406+60	36' LT	N/A	GRADING	JUNCTION BOX		
VERIZON/MCI	FO-JB-02-B	FIBER OPTIC JUNCTION BOX	2	DEER CREEK RD	406+65	40' LT	N/A	GRADING	JUNCTION BOX		
CENTURY LINK	FO-02-A	FIBER OPTIC LINE	2	BASE CAMP RD	101+18	23' RT	TH-06	PROPOSED STORM DRAIN	RELOCATE FIBER OPTIC LINE		
CENTURY LINK	TELE-02-A	TELEPHONE LINE	2	BASE CAMP RD	101+80	26' RT	TH-05	PROPOSED STORM DRAIN	RELOCATE FIBER OPTIC LINE		
VERIZON/MCI	FO-02-B	FIBER OPTIC LINE	2	BASE CAMP RD	101+80	26' RT	N/A	PROPOSED STORM DRAIN	RELOCATE FIBER OPTIC LINE		
COMCAST	FO-02-C	FIBER OPTIC LINE	2	DEER CREEK RD	407+82	34' RT	N/A	PROPOSED STORM INLET	ADJUST FIBER OPTIC LINE		
VERIZON/MCI	FO-02-D	FIBER OPTIC LINE	2	DEER CREEK RD	407+70	34' LT	N/A	PROPOSED WALL	RELOCATE FIBER OPTIC LINE		
WOODMOOR WSD	W-02-A	WATER LINE	2	DEER CREEK RD	409+04	21' RT	N/A	PROPOSED CULVERT	LOWER WATER LINE IN PLACE		

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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

UTILITY CONFLICT PLAN
UTILITY CONFLICT MATRIX

UTL MTRX 1 of 7

Sheet Number 122

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UTILITY MATRIX

Utility Owner	Util ID #	Conflict Location					Test Hole No.	Conflict Description	Conflict Resolution		
		Utility Type	Drawing or Sheet No.	Alignment	Station	Dist. Lt. / Rt.			Recommended Action or Resolution	Est. Resolution Date	Current Status
MVEA	E-02-A	ELECTRIC LINE	2	DEER CREEK RD	409+05	19' RT	N/A	PROPOSED CULVERT	RELOCATE ELECTRIC LINE		
COMCAST	TV-02-A	TELEVISION LINE	2	DEER CREEK RD	409+05	16' RT	TH-23	PROPOSED CULVERT	RELOCATE TELEVISION LINE		
BLACK HILLS ENERGY	G-02-A	GAS LINE	2	DEER CREEK RD	409+05	13' RT	TH-10	PROPOSED CULVERT	LOWER GAS LINE IN PLACE		
WOODMOOR WSD	W-02-B	WATER LINE	2	DEER CREEK RD	409+07	6' LT	N/A	PROPOSED CULVERT	LOWER WATER LINE IN PLACE		
VERIZON/MCI CENTURY LINK	FO-02-E	FIBER OPTIC LINE	2	DEER CREEK RD	409+08	13' LT	TH-08	PROPOSED CULVERT	RELOCATE FIBER OPTIC LINE		
CENTURY LINK	TELE-02-B	TELEPHONE LINE	2	DEER CREEK RD	409+08	16' LT	TH-24	PROPOSED CULVERT	RELOCATE TELEPHONE LINE		
CENTURY LINK	FO-02-F	FIBER OPTIC LINE	2	DEER CREEK RD	409+08	19' LT	TH-07	PROPOSED CULVERT	PROTECT FIBER OPTIC LINE		
COMCAST	FO-02-G	FIBER OPTIC LINE	2	DEER CREEK RD	409+01	47' RT	N/A	PROPOSED CULVERT	RELOCATE FIBER OPTIC LINE		
WOODMOOR WSD	SS-MH-02-A	SANITARY SEWER MANHOLE	2	DEER CREEK RD	409+30	1' RT	N/A	NEW PAVEMENT	ADJUST MANHOLE		
CENTURY LINK	FO-RS-03-A	FIBER OPTIC RISER	3	DEER CREEK RD	409+92	26' LT	N/A	GRADING	RESET RISER		
WOODMOOR WSD	W-V-03-A	WATER VALVE	3	DEER CREEK RD	410+13	15' LT	N/A	NEW PAVEMENT	ADJUST VALVE		
CENTURY LINK	FO-03-A	FIBER OPTIC LINE	3	DEER CREEK RD	410+49	20' LT	N/A	PROPOSED STORM DRAIN	RELOCATE FIBER OPTIC LINE		
BLACK HILLS ENERGY	G-M-03-A	GAS METER	3	DEER CREEK RD	411+59	28' LT	N/A	GRADING	ADJUST GAS METER		
MVEA	E-TRANS-A	ELECTRIC TRANSFORMER	3	DEER CREEK RD	411+60	37' LT	N/A	GRADING	PROTECT TRANSFORMER		
MVEA	E-TRANS-B	ELECTRIC TRANSFORMER	3	DEER CREEK RD	411+64	31' LT	N/A	GRADING	PROTECT TRANSFORMER		
VERIZON/MCI	FO-03-B	FIBER OPTIC LINE	3	DEER CREEK RD	411+66	24' LT	TH-30	PROPOSED RIPRAP	RELOCATE FIBER OPTIC LINE		
MVEA	E-03-A	ELECTRIC LINE	3	DEER CREEK RD	411+67	24' LT	TH-28	PROPOSED RIPRAP	PROTECT ELECTRIC LINE		
MVEA	E-03-B	ELECTRIC LINE	3	DEER CREEK RD	411+69	24' LT		PROPOSED RIPRAP	PROTECT ELECTRIC LINE		
WOODMOOR WSD	W-03-A	WATER LINE	3	DEER CREEK RD	411+74	25' LT	N/A	PROPOSED RIPRAP	PROTECT WATER LINE		
COMCAST	TV-RS-03-A	TV RISER	3	DEER CREEK RD	411+69	15' RT	N/A	NEW PAVEMENT	RELOCATE RISER		
VERIZON/MCI	TELE-RS-03-A	TELEPHONE RISER	3	DEER CREEK RD	411+69	32' LT	N/A	GRADING	PROTECT RISER		
MVEA	E-TRANS-C	ELECTRIC TRANSFORMER	3	DEER CREEK RD	411+66	43' LT	N/A	GRADING	PROTECT TRANSFORMER		

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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

UTILITY CONFLICT PLAN
UTILITY CONFLICT MATRIX

UTL MTRX 2 of 7

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UTILITY MATRIX

Utility Owner	Util ID #	Conflict Location					Test Hole No.	Conflict Description	Conflict Resolution		
		Utility Type	Drawing or Sheet No.	Alignment	Station	Dist. Lt. / Rt.			Recommended Action or Resolution	Est. Resolution Date	Current Status
VERIZON/MCI	FO-JB-03-A	FIBER OPTIC JUNCTION BOX	3	DEER CREEK RD	411+72	40' LT	N/A	GRADING	PROTECT JUNCTION BOX		
WOODMOOR WSD	FH-03-A	FIRE HYDRANT	3	DEER CREEK RD	411+74	30' LT	N/A	GRADING	REMOVE & REPLACE WITH NEW FIRE HYDRANT		
COMCAST	TV-RS-03-B	TV RISER	3	DEER CREEK RD	411+76	49' LT	N/A	GRADING	RELOCATE RISER		
CENTURY LINK	FO-03-C	FIBER OPTIC LINE	3	DEER CREEK RD	411+78	26' LT	N/A	PROPOSED STORM DRAIN	RELOCATE FIBER OPTIC LINE		
COMCAST	TV-03-A	TV LINE	3	DEER CREEK RD	411+80	26' LT	N/A	PROPOSED STORM DRAIN	RELOCATE TELEVISION LINE		
COMCAST	FO-03-D	FIBER OPTIC LINE	3	DEER CREEK RD	411+83	26' LT	N/A	PROPOSED STORM DRAIN	RELOCATE FIBER OPTIC LINE		
CENTURY LINK	FO-JB-03-B	FIBER OPTIC JUNCTION BOX	3	DEER CREEK RD	411+84	39' LT	N/A	GRADING	RELOCATE JUNCTION BOX		
WOODMOOR WSD	W-V-03-B	WATER VALVE	3	DEER CREEK RD	411+93	13' LT	N/A	NEW PAVEMENT	ADJUST VALVE		
WOODMOOR WSD	W-03-B	WATER LINE	3	DEER CREEK RD	411+95	28' LT	N/A	PROPOSED STORM DRAIN	PROTECT WATER LINE		
WOODMOOR WSD	W-V-03-C	WATER VALVE	3	DEER CREEK RD	411+95	31' LT	N/A	NEW PAVEMENT	ADJUST VALVE		
BLACK HILLS ENERGY	G-03-A	GAS LINE	3	DEER CREEK RD	412+05	29' LT	N/A	PROPOSED STORM DRAIN	LOWER GAS LINE IN PLACE		
WOODMOOR WSD	SS-MH-03-A	SANITARY SEWER MANHOLE	3	DEER CREEK RD	412+15	6' LT	N/A	NEW PAVEMENT	ADJUST MANHOLE		
CENTURY LINK	TELE-03-A	TELEPHONE LINE	3	DEER CREEK RD	412+30	33' LT	N/A	PROPOSED STORM DRAIN	RELOCATE TELEPHONE LINE		
CENTURY LINK	TELE-RS-03-B	TELEPHONE RISER	3	DEER CREEK RD	412+32	31' LT	N/A	PROPOSED STORM DRAIN	RELOCATE RISER		
CENTURY LINK	TELE-RS-03-C	TELEPHONE RISER	3	DEER CREEK RD	412+39	16' RT	N/A	NEW PAVEMENT	RELOCATE RISER		
CENTURY LINK	TELE-JB-03-A	TELEPHONE JUNCTION BOX	3	DEER CREEK RD	412+50	30' LT	N/A	GRADING	PROTECT JUNCTION BOX		
CENTURY LINK	TELE-RS-03-D	TELEPHONE RISER	3	DEER CREEK RD	412+99	21' RT	N/A	GRADING	RELOCATE RISER		
MVEA	E-TRANS-03-D	ELECTRIC TRANSFORMER	3	DEER CREEK RD	413+16	29' RT	N/A	GRADING	PROTECT TRANSFORMER		
WOODMOOR WSD	W-AV-03-A	WATER AIR VENT	3	DEER CREEK RD	413+80	13' RT	N/A	NEW PAVEMENT	RELOCATE AIR VENT		
WOODMOOR WSD	W-MH-03-A	WATER MANHOLE	3	DEER CREEK RD	413+85	14' RT	N/A	NEW PAVEMENT	ADJUST MANHOLE		
WOODMOOR WSD	W-V-04-A	WATER VALVE	4	DEER CREEK RD	414+27	38' RT	N/A	NEW PAVEMENT	ADJUST VALVE		
WOODMOOR WSD	W-V-04-B	WATER VALVE	4	DEER CREEK RD	414+29	39' RT	N/A	NEW PAVEMENT	ADJUST VALVE		

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UTILITY CONFLICT PLAN
UTILITY CONFLICT MATRIX

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COMCAST	FO-VT-04-A	FIBER OPTIC VAULT	4	DEER CREEK RD	414+48	23' RT	N/A	GRADING	RELOCATE VAULT		
COMCAST	TV-RS-04-A	TV RISER	4	DEER CREEK RD	415+62	20' RT	N/A	NEW PAVEMENT	RELOCATE RISER		
COMCAST	TV-04-A	TV LINE	4	DEER CREEK RD	415+67	12' RT	TH-25	PROPOSED STORM DRAIN	RELOCATE TV LINE		
COMCAST	FO-04-A	FIBER OPTIC LINE	4	DEER CREEK RD	415+67	10' RT	N/A	PROPOSED STORM DRAIN	RELOCATE FIBER OPTIC LINE		
BLACK HILLS ENERGY	G-04-A	GAS LINE	4	DEER CREEK RD	415+68	5' RT	TH-18	PROPOSED STORM DRAIN	LOWER GAS LINE IN PLACE		
CENTURY LINK	FO-04-B	FIBER OPTIC LINE	4	DEER CREEK RD	415+68	20' LT	TH-20	PROPOSED STORM DRAIN	PROTECT FIBER OPTIC LINE		
WOODMOOR WSD	W-04-A	WATER LINE	4	DEER CREEK RD	415+68	9' LT	N/A	PROPOSED STORM DRAIN	PROTECT WATER LINE		
WOODMOOR WSD	W-04-B	WATER LINE	4	DEER CREEK RD	415+67	10' RT	TH-17	PROPOSED STORM DRAIN	PROTECT WATER LINE		
WOODMOOR WSD	W-04-C	WATER LINE	4	DEER CREEK RD	415+67	13' RT	TH-14	PROPOSED STORM DRAIN	PROTECT WATER LINE		
CENTURY LINK	TELE-04-A	TELEPHONE LINE	4	DEER CREEK RD	415+67	19' RT	TH-15	PROPOSED STORM DRAIN	PROTECT TELEPHONE LINE		
UNKNOWN	TELE-04-B	TELEPHONE LINE	4	DEER CREEK RD	415+67	21' RT	TH-22	PROPOSED STORM DRAIN	PROTECT TELEPHONE LINE		
CENTURY LINK	TELE-04-C	TELEPHONE LINE	4	DEER CREEK RD	415+67	23' RT	TH-21	PROPOSED STORM DRAIN	PROTECT TELEPHONE LINE		
MVEA	E-04-A	ELECTRIC LINE	4	DEER CREEK RD	415+67	25' RT	TH-16	PROPOSED STORM DRAIN	PROTECT ELECTRIC LINE		
CENTURY LINK	TELE-RS-04-A	TELEPHONE RISER	4	DEER CREEK RD	415+78	20' RT	N/A	NEW PAVEMENT	RELOCATE RISER		
CENTURY LINK	TELE-RS-05-A	TELEPHONE RISER	5	DEER CREEK RD	417+10	23' RT	N/A	NEW PAVEMENT	RELOCATE RISER		
COMCAST	TV-RS-05-A	TV RISER	5	DEER CREEK RD	417+71	29' RT	N/A	GRADING	RELOCATE RISER		
MVEA	E-M-05-A	ELECTRIC METER	5	DEER CREEK RD	417+78	37' RT	N/A	GRADING	RELOCATE METER		
MVEA	E-TRANS-05-A	ELECTRIC TRANSFORMER	5	DEER CREEK RD	417+80	37' RT	N/A	GRADING	RELOCATE TRANSFORMER		
WOODMOOR WSD	SS-MH-05-A	SANITARY SEWER MANHOLE	5	DEER CREEK RD	417+87	6' LT	N/A	NEW PAVEMENT	ADJUST MANHOLE		
WOODMOOR WSD	FH-05-A	FIRE HYDRANT	5	DEER CREEK RD	417+93	24' LT	N/A	NEW PAVEMENT	REMOVE & REPLACE WITH NEW FIRE HYDRANT		
WOODMOOR WSD	W-V-05-A	WATER VALVE	5	DEER CREEK RD	417+93	9' LT	N/A	NEW PAVEMENT	ADJUST VALVE		
WOODMOOR WSD	W-V-05-B	WATER VALVE	5	DEER CREEK RD	417+93	12' LT	N/A	NEW PAVEMENT	ADJUST VALVE		

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UTL MTRX 4 of 7

Sheet Number 125

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UTILITY MATRIX

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COMCAST	FO-VT-05-A	FIBER OPTIC VAULT	5	DEER CREEK RD	417+92	28' RT	N/A	NEW PAVEMENT	RELOCATE VAULT		
CENTURY LINK	FO-VT-05-B	FIBER OPTIC VAULT	5	DEER CREEK RD	417+99	25' LT	N/A	NEW PAVEMENT	RELOCATE VAULT		
WOODMOOR WSD	W-MH-05-A	WATER MANHOLE	5	DEER CREEK RD	418+11	47' LT	N/A	NEW PAVEMENT	ADJUST MANHOLE		
WOODMOOR WSD	W-V-05-C	WATER VALVE	5	DEER CREEK RD	418+13	39' LT	N/A	NEW PAVEMENT	ADJUST VALVE		
WOODMOOR WSD	W-V-05-D	WATER VALVE	5	DEER CREEK RD	418+13	52' LT	N/A	NEW PAVEMENT	ADJUST VALVE		
WOODMOOR WSD	W-V-05-E	WATER VALVE	5	DEER CREEK RD	418+13	15' RT	N/A	NEW PAVEMENT	ADJUST VALVE		
WOODMOOR WSD	W-V-05-F	WATER VALVE	5	DEER CREEK RD	418+23	10' LT	N/A	NEW PAVEMENT	ADJUST VALVE		
WOODMOOR WSD	W-V-05-G	WATER VALVE	5	DEER CREEK RD	418+24	3' LT	N/A	NEW PAVEMENT	ADJUST VALVE		
WOODMOOR WSD	SS-MH-05-B	SANITARY SEWER MANHOLE	5	DEER CREEK RD	418+31	7' LT	N/A	NEW PAVEMENT	ADJUST MANHOLE		
WOODMOOR WSD	SS-MH-05-C	SANITARY SEWER MANHOLE	5	DEER CREEK RD	418+32	0' RT	N/A	NEW PAVEMENT	ADJUST MANHOLE		
COMCAST	TV-RS-05-B	TV RISER	5	DEER CREEK RD	418+53	27' LT	N/A	NEW PAVEMENT	RELOCATE RISER		
CENTURY LINK	TELE-RS-05-B	TELEPHONE RISER	5	DEER CREEK RD	418+58	22' RT	N/A	NEW PAVEMENT	RELOCATE RISER		
COMCAST	TV-05-A	TV LINE	5	DEER CREEK RD	418+64	25' LT	N/A	PROPOSED STORM DRAIN	RELOCATE TV LINE		
CENTURY LINK	TELE-05-A	TELEPHONE LINE	5	DEER CREEK RD	418+64	18' LT	N/A	PROPOSED STORM DRAIN	RELOCATE TELEPHONE LINE		
VERIZON/MCI	FO-05-A	FIBER OPTIC LINE	5	DEER CREEK RD	418+63	12' LT	N/A	PROPOSED STORM DRAIN	RELOCATE FIBER OPTIC LINE		
CENTURY LINK	TELE-05-B	TELEPHONE LINE	5	DEER CREEK RD	418+61	27' RT	TH-2030A	PROPOSED STORM DRAIN	RELOCATE TELEPHONE LINE		
UNKNOWN	TELE-05-C	TELEPHONE LINE	5	DEER CREEK RD	418+61	29' RT	TH-2029B	PROPOSED STORM DRAIN	RELOCATE TELEPHONE LINE		
CENTURY LINK	TELE-05-D	TELEPHONE LINE	5	DEER CREEK RD	418+61	31' RT	TH-2029A	PROPOSED STORM DRAIN	RELOCATE TELEPHONE LINE		
CENTURY LINK	TELE-05-E	TELEPHONE LINE	5	DEER CREEK RD	418+61	32' RT	N/A	PROPOSED STORM DRAIN	RELOCATE TELEPHONE LINE		
CENTURY LINK	TELE-05-F	TELEPHONE LINE	5	DEER CREEK RD	418+61	33' RT	N/A	PROPOSED STORM DRAIN	RELOCATE TELEPHONE LINE		
MVEA	E-05-A	ELECTRIC LINE	5	DEER CREEK RD	418+61	35' RT	TH-2028	PROPOSED STORM DRAIN	PROTECT ELECTRIC LINE		
CENTURY LINK	TELE-05-G	TELEPHONE LINE	5	DEER CREEK RD	418+61	36' RT	TH-2032	PROPOSED STORM DRAIN	PROTECT TELEPHONE LINE		

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Index of Revisions

Date:	Comments	Init.

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AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS

UTILITY CONFLICT PLAN
UTILITY CONFLICT MATRIX

UTL MTRX 5 of 7

Sheet Number 126

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UTILITY MATRIX

Utility Owner	Util ID #	Conflict Location					Test Hole No.	Conflict Description	Conflict Resolution		
		Utility Type	Drawing or Sheet No.	Alignment	Station	Dist. Lt. / Rt.			Recommended Action or Resolution	Est. Resolution Date	Current Status
COMCAST	TV-05-B	TV LINE	5	DEER CREEK RD	418+60	42' RT	N/A	PROPOSED STORM DRAIN	RELOCATE TV LINE		
WOODMOOR WSD	W-05-A	WATER LINE	5	DEER CREEK RD	418+61	22' RT	N/A	PROPOSED STORM DRAIN	PROTECT WATER LINE		
WOODMOOR WSD	W-05-B	WATER LINE	5	DEER CREEK RD	418+62	16' RT	TH-2030	PROPOSED STORM DRAIN	PROTECT WATER LINE		
WOODMOOR WSD	W-05-C	WATER LINE	5	DEER CREEK RD	418+63	3' LT	TH-2031	PROPOSED STORM DRAIN	PROTECT WATER LINE		
CENTURY LINK	TELE-RS-05-C	TELEPHONE RISER	5	DEER CREEK RD	418+67	31' RT	N/A	NEW PAVEMENT	RELOCATE RISER		
VERIZON/MCI	FO-HH-05-A	FIBER OPTIC HAND HOLE	5	DEER CREEK RD	418+71	14' LT	N/A	NEW PAVEMENT	RELOCATE HAND HOLE		
MVEA	E-TRANS-05-B	ELECTRIC TRANSFORMER	5	DEER CREEK RD	418+76	35' RT	N/A	GRADING	PROTECT TRANSFORMER		
MVEA	E-TRANS-05-C	ELECTRIC TRANSFORMER	5	DEER CREEK RD	418+87	34' RT	N/A	GRADING	PROTECT TRANSFORMER		
WOODMOOR WSD	W-MH-05-B	WATER MANHOLE	5	DEER CREEK RD	419+06	12' RT	N/A	NEW PAVEMENT	ADJUST MANHOLE		
WOODMOOR WSD	W-P-05-A	WATER PUMP	5	DEER CREEK RD	419+09	30' RT	N/A	GRADING	PROTECT PUMP		
WOODMOOR WSD	W-V-05-H	WATER VALVE	5	DEER CREEK RD	419+44	4' LT	N/A	NEW PAVEMENT	ADJUST VALVE		
CENTURY LINK	TELE-05-H	TELEPHONE LINE	5	DEER CREEK RD	419+50	17' RT	N/A	NEW PAVEMENT	RELOCATE TELEPHONE LINE		
CENTURY LINK	TELE-05-I	TELEPHONE LINE	5	DEER CREEK RD	419+50	19' RT	N/A	NEW PAVEMENT	RELOCATE TELEPHONE LINE		
WOODMOOR WSD	FH-06-A	FIRE HYDRANT	6	BASE CAMP RD	102+52	69' LT	N/A	GRADING	PROTECT FIRE HYDRANT		
WOODMOOR WSD	W-V-06-A	WATER VALVE	6	BASE CAMP RD	102+49	11' LT	N/A	NEW PAVEMENT	ADJUST VALVE		
WOODMOOR WSD	W-V-06-B	WATER VALVE	6	BASE CAMP RD	102+53	7' LT	N/A	NEW PAVEMENT	ADJUST VALVE		
WOODMOOR WSD	W-V-06-C	WATER VALVE	6	BASE CAMP RD	103+52	11' LT	N/A	NEW PAVEMENT	ADJUST VALVE		
WOODMOOR WSD	W-V-06-D	WATER VALVE	6	BASE CAMP RD	103+55	7' LT	N/A	NEW PAVEMENT	ADJUST VALVE		
WOODMOOR WSD	W-V-06-E	WATER VALVE	6	BASE CAMP RD	104+91	7' LT	N/A	NEW PAVEMENT	ADJUST VALVE		
WOODMOOR WSD	FH-06-B	FIRE HYDRANT	6	BASE CAMP RD	105+00	29' LT	N/A	GRADING	PROTECT FIRE HYDRANT		
COMCAST	TELE-RS-06-A	TELEPHONE RISER	6	BASE CAMP RD	106+67	20' LT	N/A	NEW PAVEMENT	RELOCATE RISER		
WOODMOOR WSD	FH-06-C	FIRE HYDRANT	6	BASE CAMP RD	107+48	56' LT	N/A	GRADING	PROTECT FIRE HYDRANT		

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Index of Revisions

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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

UTILITY CONFLICT PLAN
 UTILITY CONFLICT MATRIX

UTL MTRX 6 of 7
 Sheet Number 127

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UTILITY MATRIX

Utility Owner	Util ID #	Conflict Location					Test Hole No.	Conflict Description	Conflict Resolution		
		Utility Type	Drawing or Sheet No.	Alignment	Station	Dist. Lt. / Rt.			Recommended Action or Resolution	Est. Resolution Date	Current Status
WOODMOOR WSD	W-V-06-F	WATER VALVE	6	BASE CAMP RD	107+52	7' LT	N/A	GRADING	ADJUST VALVE		
MVEA	E-TRANS-06-A	ELECTRIC TRANSFORMER	6	BASE CAMP RD	107+73	31' LT	N/A	GRADING	PROTECT TRANSFORMER		
WOODMOOR WSD	SS-MH-07-A	SANITARY SEWER MANHOLE	7	MICROSCOPE WAY	203+83	7' RT	N/A	NEW PAVEMENT	ADJUST MANHOLE		
CENTURY LINK	TELE-RS-07-A	TELEPHONE RISER	7	MICROSCOPE WAY	203+94	27' RT	N/A	GRADING	PROTECT RISER		
COMCAST	TV-RS-07-A	TV RISER	7	MICROSCOPE WAY	203+96	28' RT	N/A	GRADING	PROTECT RISER		
WOODMOOR WSD	W-TR-07-A	WATER TEST RISER	7	MICROSCOPE WAY	204+03	28' RT	N/A	GRADING	PROTECT TEST RISER		
WOODMOOR WSD	FH-07-A	FIRE HYDRANT	7	MICROSCOPE WAY	204+24	27' LT	N/A	GRADING	PROTECT FIRE HYDRANT		
WOODMOOR WSD	W-V-07-A	WATER VALVE	7	MICROSCOPE WAY	204+35	7' LT	N/A	NEW PAVEMENT	ADJUST VALVE		
COMCAST	FO-07-A	FIBER OPTIC LINE	7	MICROSCOPE WAY	204+75	27' LT	N/A	PROPOSED STORM DRAIN	RELOCATE FIBER OPTIC LINE		
CENTURY LINK	TELE-07-A	TELEPHONE LINE	7	MICROSCOPE WAY	204+76	25' LT	N/A	PROPOSED STORM DRAIN	RELOCATE TELEPHONE LINE		
VERIZON/MCI	FO-07-B	FIBER OPTIC LINE	7	MICROSCOPE WAY	204+76	23' LT	N/A	PROPOSED STORM DRAIN	RELOCATE FIBER OPTIC LINE		
CENTURY LINK	FO-07-C	FIBER OPTIC LINE	7	MICROSCOPE WAY	204+77	16' LT	N/A	PROPOSED STORM DRAIN	RELOCATE FIBER OPTIC LINE		
BLACK HILLS ENERGY	G-07-A	GAS LINE	7	MICROSCOPE WAY	204+79	0' LT	N/A	PROPOSED STORM DRAIN	LOWER GAS LINE IN PLACE		
MVEA	E-TRANS-07-A	ELECTRIC TRANSFORMER	7	MICROSCOPE WAY	204+90	31' LT	N/A	GRADING	PROTECT TRANSFORMER		
WOODMOOR WSD	SS-MH-07-B	SANITARY SEWER MANHOLE	7	MICROSCOPE WAY	206+32	9' RT	N/A	NEW PAVEMENT	ADJUST MANHOLE		
MVEA	E-TRANS-07-B	ELECTRIC TRANSFORMER	7	MICROSCOPE WAY	206+81	30' LT	N/A	GRADING	PROTECT TRANSFORMER		
MVEA	E-TRANS-07-C	ELECTRIC TRANSFORMER	7	MICROSCOPE WAY	206+84	37' LT	N/A	GRADING	PROTECT TRANSFORMER		
COMCAST	FO-07-D	FIBER OPTIC LINE	7	MICROSCOPE WAY	205+50	26' LT	N/A	GRADING	RELOCATE FIBER OPTIC LINE		
CENTURY LINK	TELE-07-B	FIBER OPTIC LINE	7	MICROSCOPE WAY	205+50	25' LT	N/A	GRADING	RELOCATE FIBER OPTIC LINE		
VERIZON/MCI	FO-07-E	FIBER OPTIC LINE	7	MICROSCOPE WAY	205+50	25' LT	N/A	GRADING	RELOCATE FIBER OPTIC LINE		

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Index of Revisions		
Date:	Comments	Init.

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AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
UTILITY CONFLICT PLAN UTILITY CONFLICT MATRIX	UTL MTRX 7 of 7 Sheet Number 128

NOTES:

1. SEE SUBSURFACE UTILITY ENGINEERING INVESTIGATION SUBSET FOR EXISTING UTILITY INFORMATION, ACHIEVED "QUALITY LEVEL", AND TEST HOLE DATA.
2. SEE SUBSURFACE UTILITY ENGINEERING INVESTIGATION SUBSET FOR THE LIMITS OF INVESTIGATION. UTILITIES OUTSIDE OF LIMITS ARE BASED ON UTILITY MAPPING ONLY OR NOT DEPICTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND PROTECTION OF ALL UTILITIES AT NO ADDITIONAL COST TO THE PROJECT.
3. ALL UTILITY FACILITIES TO BE PROTECTED UNLESS OTHERWISE NOTED.
4. SEE UTILITY MATRIX FOR UTILITY CONFLICTS AND PROPOSED RESOLUTIONS.

EXIST UTIL EASEMENT (TYP)

TOP OF CUT (TYP)

W-V-01-C ADJUST

W-V-01-B ADJUST

EXIST ROW (TYP)

W-V-01-A ADJUST

TOE OF FILL (TYP)

DEER CREEK RD

HCL DEER CREEK RD

TOP OF CUT (TYP)

EXIST ROW (TYP)




FH-01-A PROTECT

FH-01-B PROTECT

TOE OF FILL (TYP)

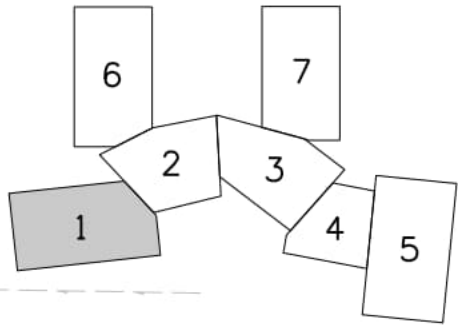
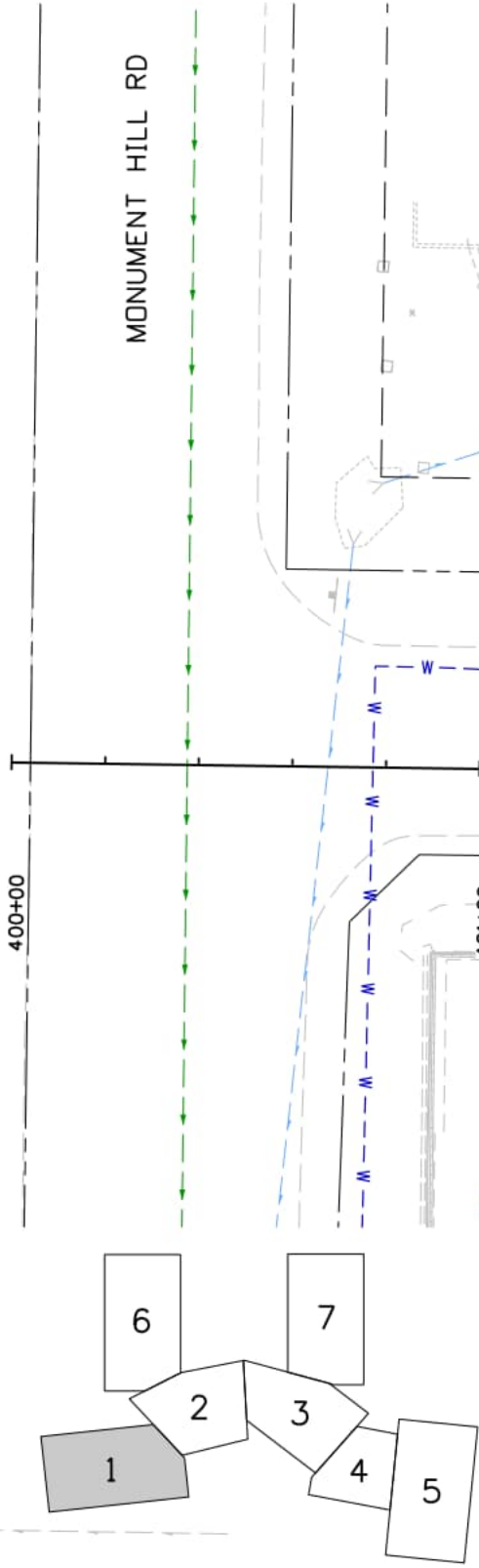
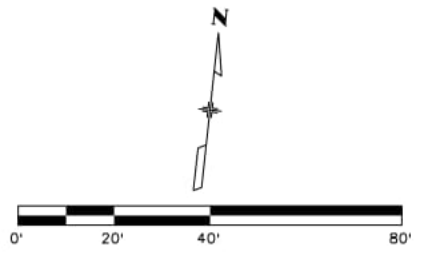
MATCH LINE STA 405+40

LEGEND:

-  ASPHALT PAVEMENT
-  CONCRETE
-  AGGREGATE BASE COURSE



**Know what's below.
Call before you dig.**



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11x17 Scale: 1" = 40' Units: Survey Feet

Index of Revisions

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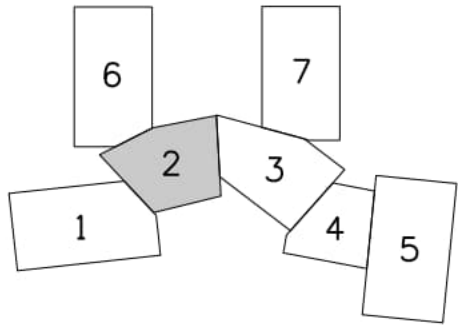
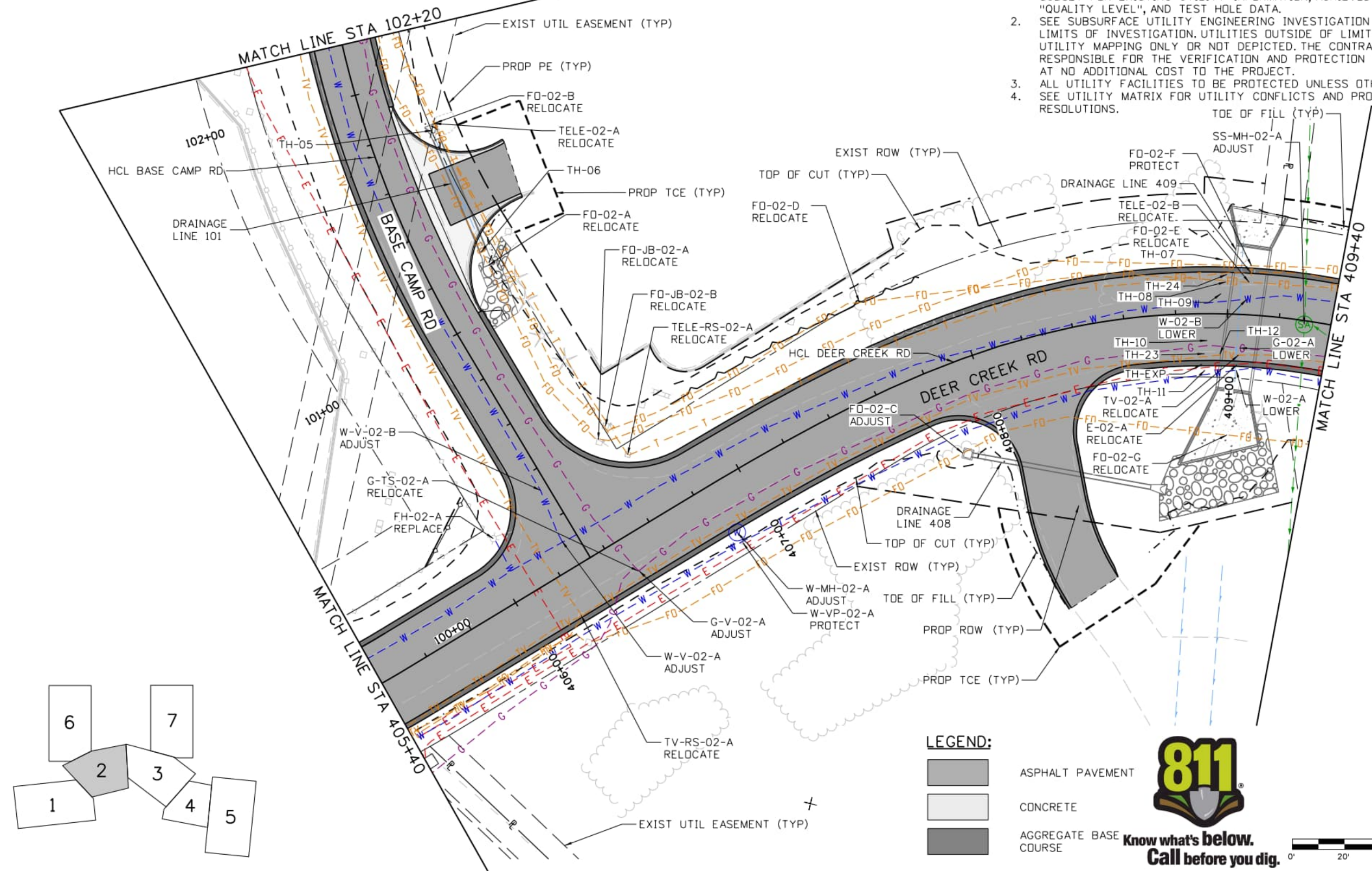
DEER CREEK ROAD INTERSECTION IMPROVEMENTS

UTILITY CONFLICT PLAN
STA 400+00 TO STA 405+40

UTILITY 1 of 7
Sheet Number 129

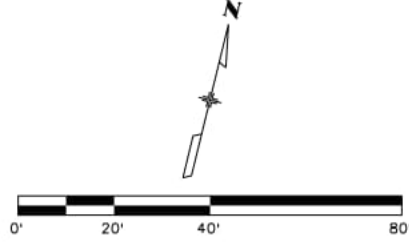
NOTES:

1. SEE SUBSURFACE UTILITY ENGINEERING INVESTIGATION SUBSET FOR EXISTING UTILITY INFORMATION, ACHIEVED "QUALITY LEVEL", AND TEST HOLE DATA.
2. SEE SUBSURFACE UTILITY ENGINEERING INVESTIGATION SUBSET FOR THE LIMITS OF INVESTIGATION. UTILITIES OUTSIDE OF LIMITS ARE BASED ON UTILITY MAPPING ONLY OR NOT DEPICTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND PROTECTION OF ALL UTILITIES AT NO ADDITIONAL COST TO THE PROJECT.
3. ALL UTILITY FACILITIES TO BE PROTECTED UNLESS OTHERWISE NOTED.
4. SEE UTILITY MATRIX FOR UTILITY CONFLICTS AND PROPOSED RESOLUTIONS.



LEGEND:

- ASPHALT PAVEMENT
- CONCRETE
- AGGREGATE BASE COURSE



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Date:	Comments	Init.

EI Paso County
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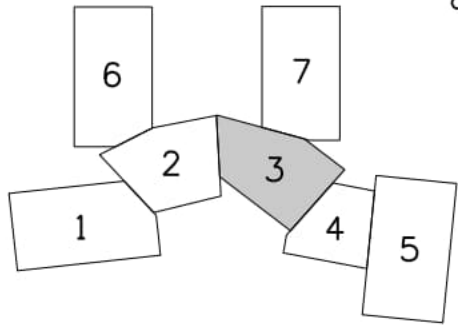
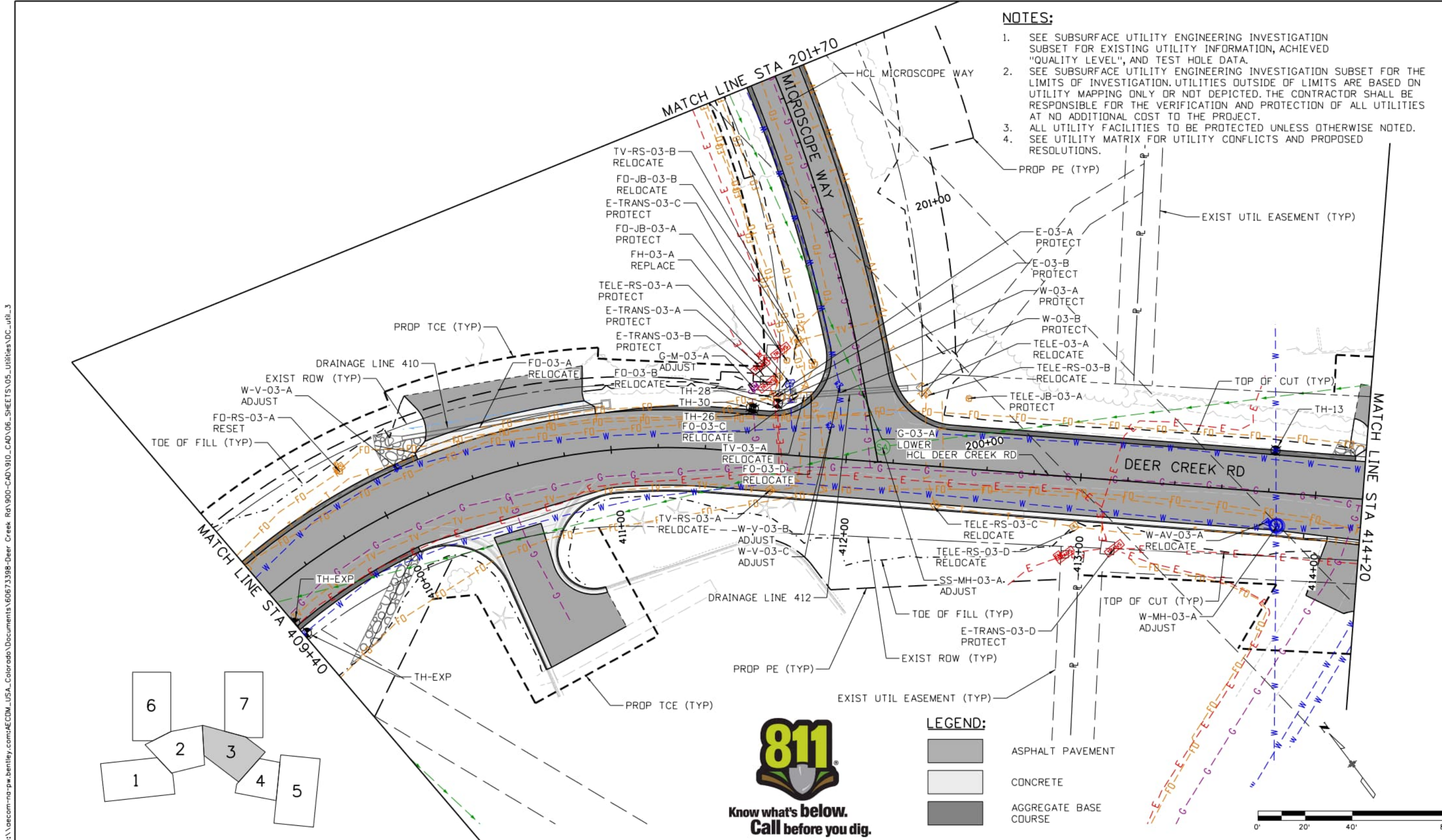
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 Fax: 719-531-0007
 AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS

UTILITY CONFLICT PLAN
 STA 405+40 TO STA 409+40

UTILITY 2 of 7
 Sheet Number 130

- NOTES:**
1. SEE SUBSURFACE UTILITY ENGINEERING INVESTIGATION SUBSET FOR EXISTING UTILITY INFORMATION, ACHIEVED "QUALITY LEVEL", AND TEST HOLE DATA.
 2. SEE SUBSURFACE UTILITY ENGINEERING INVESTIGATION SUBSET FOR THE LIMITS OF INVESTIGATION. UTILITIES OUTSIDE OF LIMITS ARE BASED ON UTILITY MAPPING ONLY OR NOT DEPICTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND PROTECTION OF ALL UTILITIES AT NO ADDITIONAL COST TO THE PROJECT.
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 4. SEE UTILITY MATRIX FOR UTILITY CONFLICTS AND PROPOSED RESOLUTIONS.



LEGEND:

	ASPHALT PAVEMENT
	CONCRETE
	AGGREGATE BASE COURSE

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 Fax: 719-531-0007
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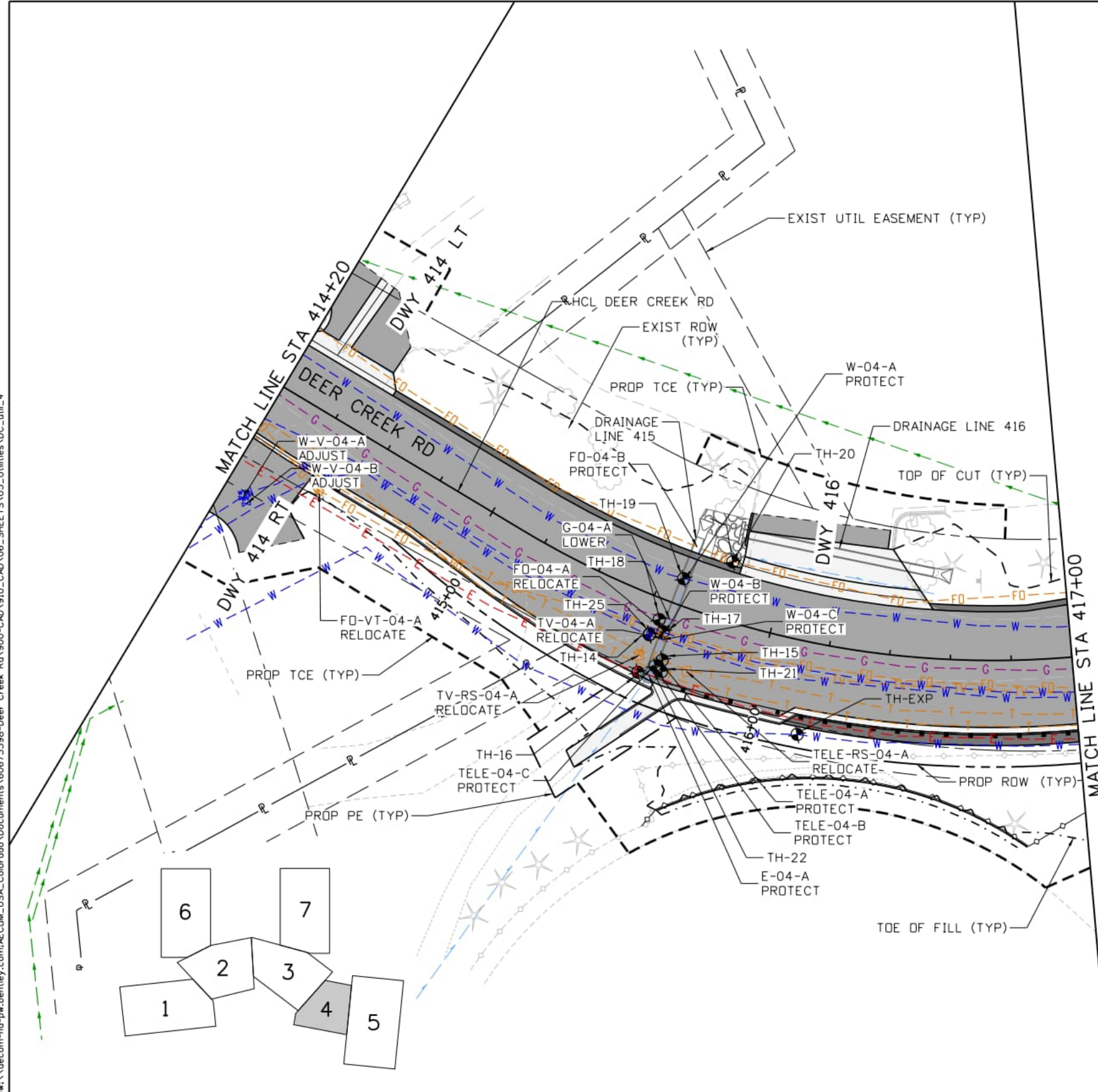
DEER CREEK ROAD INTERSECTION IMPROVEMENTS

UTILITY CONFLICT PLAN STA 409+40 TO STA 414+20	UTILITY 3 of 7 Sheet Number 131
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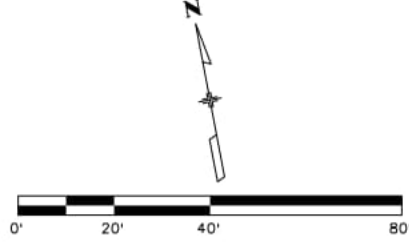
NOTES:

1. SEE SUBSURFACE UTILITY ENGINEERING INVESTIGATION SUBSET FOR EXISTING UTILITY INFORMATION, ACHIEVED "QUALITY LEVEL", AND TEST HOLE DATA.
2. SEE SUBSURFACE UTILITY ENGINEERING INVESTIGATION SUBSET FOR THE LIMITS OF INVESTIGATION. UTILITIES OUTSIDE OF LIMITS ARE BASED ON UTILITY MAPPING ONLY OR NOT DEPICTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND PROTECTION OF ALL UTILITIES AT NO ADDITIONAL COST TO THE PROJECT.
3. ALL UTILITY FACILITIES TO BE PROTECTED UNLESS OTHERWISE NOTED.
4. SEE UTILITY MATRIX FOR UTILITY CONFLICTS AND PROPOSED RESOLUTIONS.



LEGEND:

-  ASPHALT PAVEMENT
-  CONCRETE
-  AGGREGATE BASE COURSE



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Checker: CE	
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Index of Revisions		
Date:	Comments	Init.

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 Fax: 719-520-6879

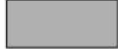

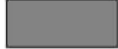


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 AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
UTILITY CONFLICT PLAN STA 414+20 TO 417+00	UTILITY 4 of 7 Sheet Number 132

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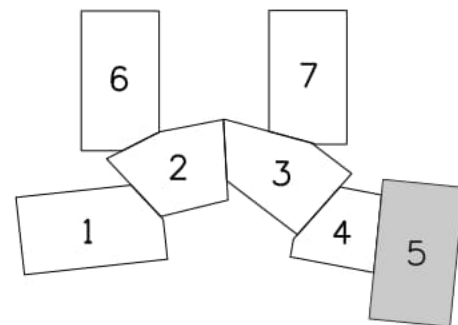
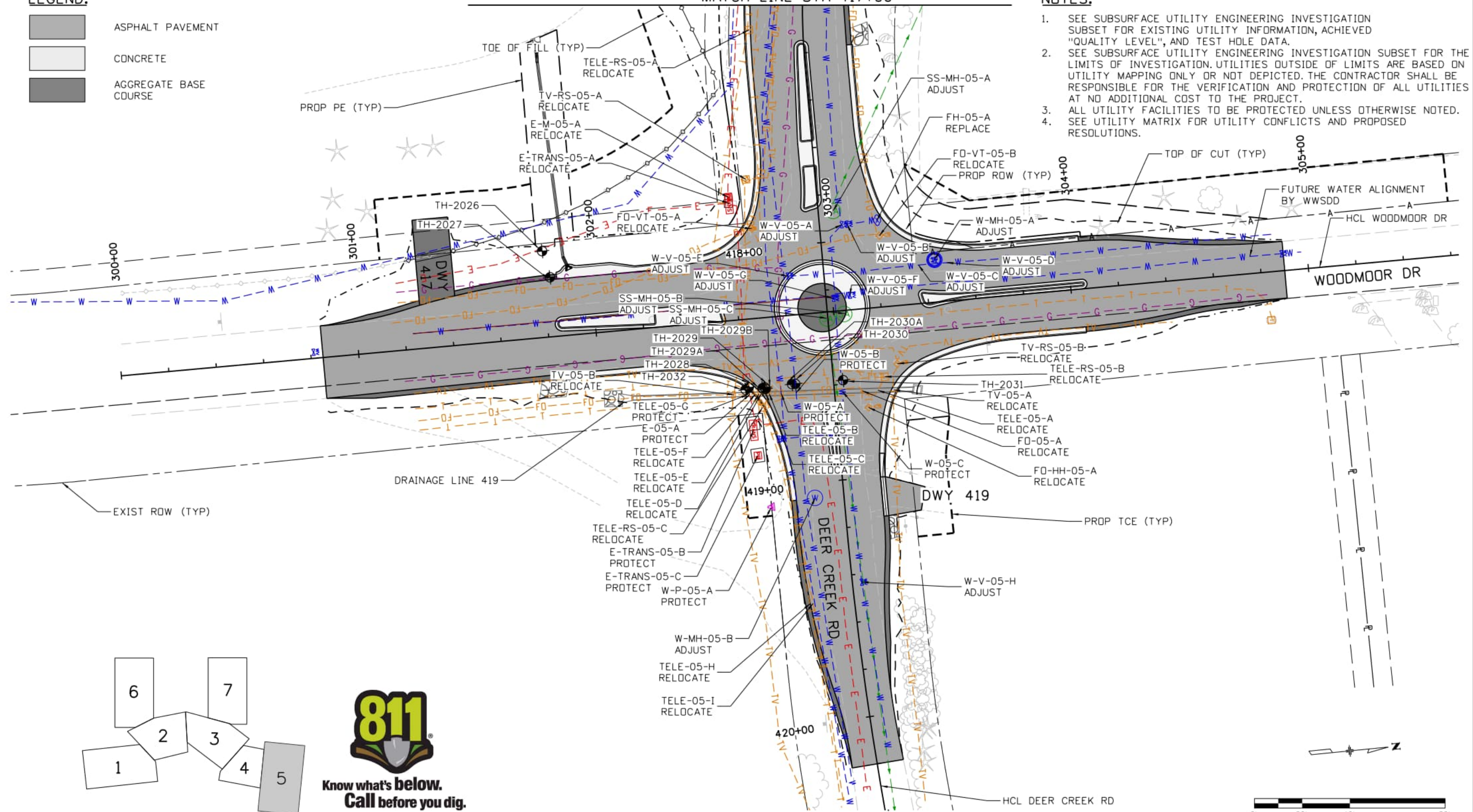
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-  ASPHALT PAVEMENT
-  CONCRETE
-  AGGREGATE BASE COURSE

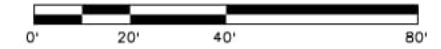
MATCH LINE STA 417+00

NOTES:

1. SEE SUBSURFACE UTILITY ENGINEERING INVESTIGATION SUBSET FOR EXISTING UTILITY INFORMATION, ACHIEVED "QUALITY LEVEL", AND TEST HOLE DATA.
2. SEE SUBSURFACE UTILITY ENGINEERING INVESTIGATION SUBSET FOR THE LIMITS OF INVESTIGATION. UTILITIES OUTSIDE OF LIMITS ARE BASED ON UTILITY MAPPING ONLY OR NOT DEPICTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND PROTECTION OF ALL UTILITIES AT NO ADDITIONAL COST TO THE PROJECT.
3. ALL UTILITY FACILITIES TO BE PROTECTED UNLESS OTHERWISE NOTED.
4. SEE UTILITY MATRIX FOR UTILITY CONFLICTS AND PROPOSED RESOLUTIONS.



**Know what's below.
Call before you dig.**



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Last Modification Date: 2/19/2026
Designer: CE Detailer: JJB Checker: CE
11x17 Scale: 1" = 40' Units: Survey Feet

Index of Revisions

Date:	Comments	Init.

El Paso County
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AECOM
2315 Briargate Pkwy #150
Colorado Springs, CO 80920
Phone: 719-531-0001
Fax: 719-531-0007
AECOM #60673398

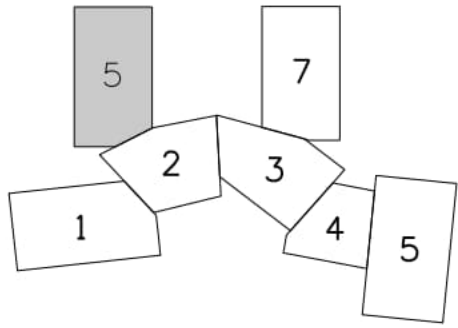
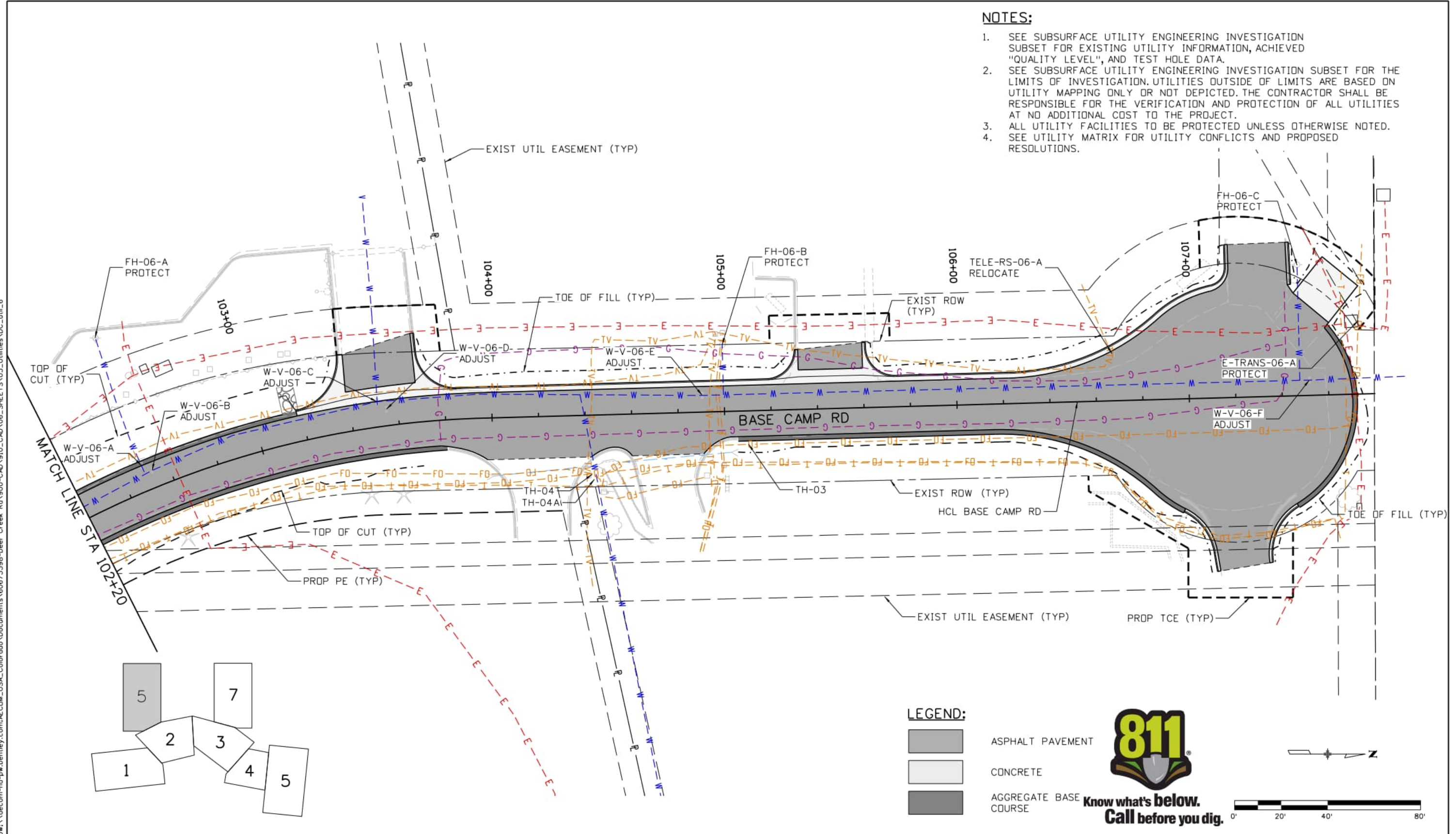
DEER CREEK ROAD INTERSECTION IMPROVEMENTS

UTILITY CONFLICT PLAN
STA 417+00 TO 420+20

UTILITY 5 of 7
Sheet Number 133

NOTES:

1. SEE SUBSURFACE UTILITY ENGINEERING INVESTIGATION SUBSET FOR EXISTING UTILITY INFORMATION, ACHIEVED "QUALITY LEVEL", AND TEST HOLE DATA.
2. SEE SUBSURFACE UTILITY ENGINEERING INVESTIGATION SUBSET FOR THE LIMITS OF INVESTIGATION. UTILITIES OUTSIDE OF LIMITS ARE BASED ON UTILITY MAPPING ONLY OR NOT DEPICTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND PROTECTION OF ALL UTILITIES AT NO ADDITIONAL COST TO THE PROJECT.
3. ALL UTILITY FACILITIES TO BE PROTECTED UNLESS OTHERWISE NOTED.
4. SEE UTILITY MATRIX FOR UTILITY CONFLICTS AND PROPOSED RESOLUTIONS.



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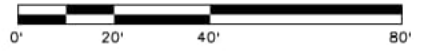
Index of Revisions		
Date:	Comments	Init.

El Paso County
 Department of Public Works
 3275 Akers Dr
 Phone: 719-520-6460
 Fax: 719-520-6879



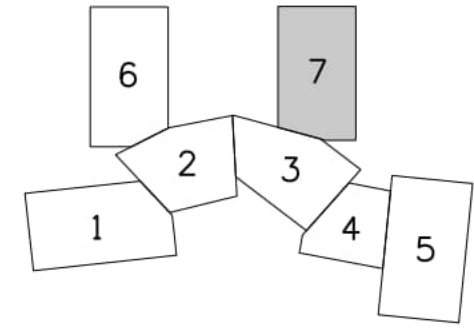
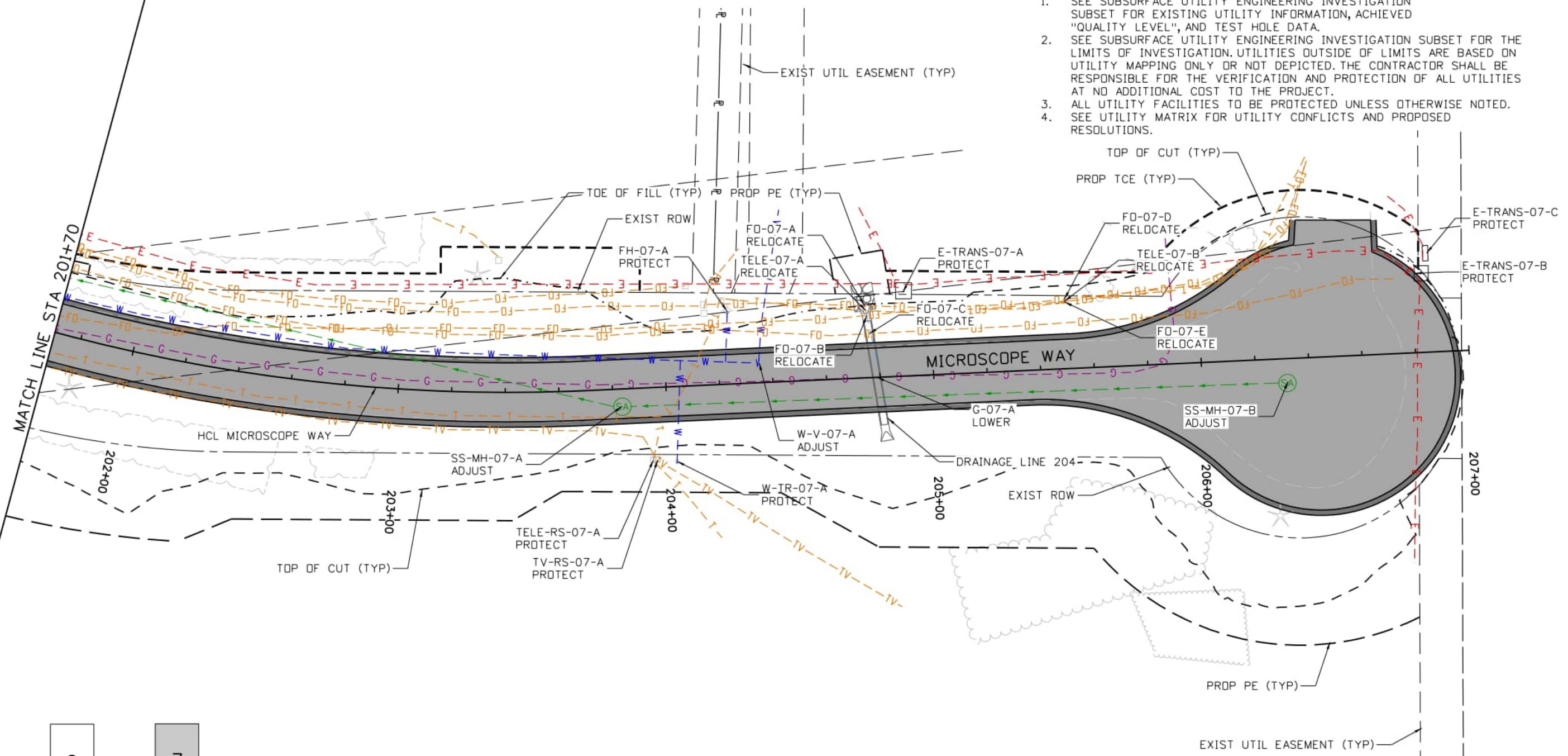
AECOM
 2315 Briargate Pkwy #150
 Colorado Springs, CO 80920
 Phone: 719-531-0001
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 AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
UTILITY CONFLICT PLAN	UTILITY 6 of 7
STA 102+20 TO STA 107+80	Sheet Number 134



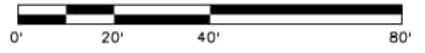
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2. SEE SUBSURFACE UTILITY ENGINEERING INVESTIGATION SUBSET FOR THE LIMITS OF INVESTIGATION. UTILITIES OUTSIDE OF LIMITS ARE BASED ON UTILITY MAPPING ONLY OR NOT DEPICTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND PROTECTION OF ALL UTILITIES AT NO ADDITIONAL COST TO THE PROJECT.
3. ALL UTILITY FACILITIES TO BE PROTECTED UNLESS OTHERWISE NOTED.
4. SEE UTILITY MATRIX FOR UTILITY CONFLICTS AND PROPOSED RESOLUTIONS.



LEGEND:

- ASPHALT PAVEMENT
- CONCRETE
- AGGREGATE BASE COURSE



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Index of Revisions

Date:	Comments	Init.

EIPaso County
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AECOM
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 AECOM #60673398

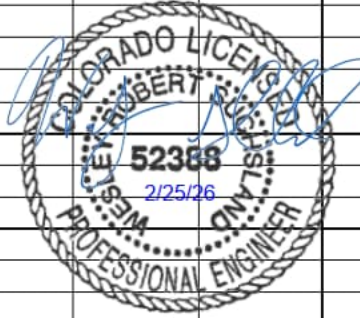
DEER CREEK ROAD INTERSECTION IMPROVEMENTS

UTILITY CONFLICT PLAN
 STA 201+70 TO STA 207+00

UTILITY 7 of 7
 Sheet Number 135

TABULATION OF SIGNING

SHEET	SIGN NO.	ALIGNMENT	APPROX STATION	SIDE	SAME POST	614-01503	614-01583	202-00810	202-00821	210-00810	210-00816	SIGN PANEL PLACEMENT	SIGN SIZE				COLOR		FHWA CODE	DESCRIPTION		
						STEEL SIGN SUPPORT (2 INCH) (EA)	STEEL SIGN SUPPORT (2-1/2 INCH) (EA)	REMOVAL OF GROUND SIGN (EA)	REMOVAL OF SIGN PANEL (EA)	RESET GROUND SIGN (EA)	RESET SIGN PANEL (SPECIAL) (EA)		WIDTH (IN)	HEIGHT (IN)	614-00011	614-00012	LEGEND	BACK GROUND				
															SIGN PANEL (CLASS I) (SQ. FT.)	SIGN PANEL (CLASS II) (SQ. FT.)						
1	01-1	Deer Creek	402+78	RT				1								BLACK	WHITE	R2-1	SPEED LIMIT 30			
	01-2	Deer Creek	402+78	RT		1						1	24	30	5		BLACK	WHITE	R2-1	SPFD LIMIT 30		
2	02-1	Base Camp	100+45	LT	7		1					1	36	8	2		BLACK	YELLOW	W14-1AL	DEAD END (W/ ARROW)		
	02-2									1	36	8	2		BLACK	YELLOW	W14-1AR	DEAD END (W/ ARROW)				
	02-3									1	45	8		2.5	WHITE	GREEN	D3-1	BASE CAMP RD				
	02-4									1	45	8		2.5	WHITE	GREEN	D3-1	BASE CAMP RD				
	02-5									1	45	8		2.5	WHITE	GREEN	D3-1	DEER CREEK RD				
	02-6									1	45	8		2.5	WHITE	GREEN	D3-1	DEER CREEK RD				
	02-7				⌋					1	30	30	6.25		WHITE	RED	R1-1	STOP SIGN				
	02-8	7	Deer Creek	406+20	RT		1					1	30	30	6.25		BLACK	YELLOW	W1-2R	HORIZONTAL ALIGNMENT		
	02-9	⌋										1	18	18	2.25		BLACK	YELLOW	W13-1P	25 M.P.H. ADVISORY SPEED (PLAQUE)		
	02-10	7	Base Camp	100+24	LT			1									BLACK	YELLOW	W14-2AL	NO OUTLET (W/ ARROW)		
	02-11									1									BLACK	YELLOW	W14-2AR	NO OUTLET (W/ ARROW)
	02-12									1									WHITE	GREEN	SPECIAL	BASE CAMP RD
	02-13									1									WHITE	GREEN	SPECIAL	BASE CAMP RD
	02-14									1									WHITE	GREEN	SPECIAL	DEER CREEK RD
	02-15									1									WHITE	GREEN	SPECIAL	DEER CREEK RD
	02-16	⌋						1								WHITE	RED	R1-1	STOP SIGN			
	02-17		Deer Creek	406+89	LT							1							SPECIAL	BUSINESS SIGN		
	02-18		Deer Creek	408+50	LT		1					1	18	24	3		BLACK	YELLOW	W1-8L	CHEVRON		
	02-19		Deer Creek	408+50	LT		1					1	18	24	3		BLACK	YELLOW	W1-8L	CHEVRON		
02-20		Deer Creek	409+23	LT		1					1	18	24	3		BLACK	YELLOW	W1-8L	CHEVRON			
02-21		Deer Creek	409+23	LT		1					1	18	24	3		BLACK	YELLOW	W1-8R	CHEVRON			
3	03-1	Microscope	200+52	LT	7		1					1	36	8	2		BLACK	YELLOW	W14-1AL	DEAD END (W/ ARROW)		
	03-2									1	36	8	2		BLACK	YELLOW	W14-1AR	DEAD END (W/ ARROW)				
	03-3									1	45	8		2.5	WHITE	GREEN	D3-1	MICROSCOPE WAY				
	03-4									1	45	8		2.5	WHITE	GREEN	D3-1	MICROSCOPE WAY				
	03-5									1	45	8		2.5	WHITE	GREEN	D3-1	DEER CREEK RD				
	03-6									1	45	8		2.5	WHITE	GREEN	D3-1	DEER CREEK RD				
	03-7				⌋					1	30	30	6.25		WHITE	RED	R1-1	STOP SIGN				
	03-8	7	Microscope	200+40	LT			1									WHITE	GREEN	SPECIAL	MICROSCOPE WAY		
	03-9									1									WHITE	GREEN	SPECIAL	MICROSCOPE WAY
	03-10									1									WHITE	GREEN	SPECIAL	DEER CREEK RD
	03-11									1									WHITE	GREEN	SPECIAL	DEER CREEK RD
	03-12	⌋						1								WHITE	RED	R1-1	STOP SIGN			
	03-13	7	Deer Creek	412+60	LT		1					1	30	30	6.25		BLACK	YELLOW	W1-2L	HORIZONTAL ALIGNMENT		
	03-14	⌋								1	18	18	2.25		BLACK	YELLOW	W13-1P	25 M.P.H. ADVISORY SPEED (PLAQUE)				
03-15		Deer Creek	412+78	RT				1								RED	YELLOW	W3-1	STOP AHEAD			
03-16		Deer Creek	411+27	LT							1							SPECIAL	BUSINESS SIGN			
03-17		Deer Creek	410+04	LT		1					1	18	24	3		BLACK	YELLOW	W1-8R	CHEVRON			
03-18		Deer Creek	410+04	LT		1					1	18	24	3		BLACK	YELLOW	W1-8L	CHEVRON			
03-19		Deer Creek	410+97	LT		1					1	18	24	3		BLACK	YELLOW	W1-8R	CHEVRON			
03-20								1	18	24	3		BLACK	YELLOW	W1-8L	CHEVRON						

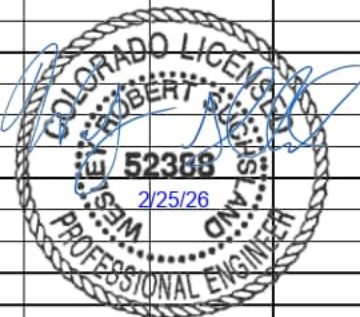


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Date:	Comments	Init.													

TABULATION OF SIGNING

SHEET	SIGN NO.	ALIGNMENT	APPROX STATION	SIDE	SAME POST	614-01503	614-01583	202-00810	202-00821	210-00810	210-00816	SIGN PANEL PLACEMENT	SIGN SIZE				COLOR		FHWA CODE	DESCRIPTION	
						STEEL SIGN SUPPORT (2 INCH) (EA)	STEEL SIGN SUPPORT (2-1/2 INCH) (EA)	REMOVAL OF GROUND SIGN (EA)	REMOVAL OF SIGN PANEL (EA)	RESET GROUND SIGN (EA)	RESET SIGN PANEL (SPECIAL) (EA)		WIDTH (IN)	HEIGHT (IN)	614-00011	614-00012	LEGEND	BACK GROUND			
															SIGN PANEL (CLASS I) (SQ. FT.)	SIGN PANEL (CLASS II) (SQ. FT.)					
4	04-1	Deer Creek	416+26	RT	☐		1					1	30	30		6.25	BLACK	YELLOW	W2-6	ROUNDAABOUT WARNING	
	04-2	Deer Creek	416+26	RT	☐							1	18	18		2.25	BLACK	YELLOW	W13-1P	15 M.P.H. ADVISORY SPEED (PLAQUE)	
	04-3	Deer Creek	416+69	LT				1									BLACK	WHITE	R2-1	SPEED LIMIT 30	
	04-4	Deer Creek	416+69	LT		1						1	24	30	5		BLACK	WHITE	R2-1	SPEED LIMIT 30	
5	05-1	Deer Creek	417+26	RT	☐	1						1	24	30	5		BLACK	WHITE	R4-7	KEEP RIGHT	
	05-2			☐								1	12	36	3	3	BLACK	YELLOW	OM3-L	OBJECT MARKER	
	05-3	Deer Creek	417+65	RT	☐		1					1	36	36		9	BLACK	FL YELLOW	S1-1	SCHOOL	
	05-4			☐								1	30	18		3.75	BLACK	FL YELLOW	W16-7PR	DOWNWARD DIAGONAL ARROW	
	05-5			☐								1	36	36		9	BLACK	FL YELLOW	S1-1	SCHOOL	
	05-6			☐								1	30	18		3.75	BLACK	FL YELLOW	W16-7PR	DOWNWARD DIAGONAL ARROW	
	05-7	Deer Creek	417+81	RT		1						1	36	31	7.75		WHITE	RED	R1-2	YIELD	
	05-8	Deer Creek	417+84	RT			2					1	86	18		10.75	WHITE	GREEN	SPECIAL	DEER CREEK RD	
	05-9	Deer Creek	417+98	RT				1									WHITE	RED	R1-1	STOP SIGN	
	05-10	Deer Creek	418+20	RT			1					1	36	12	3		BLACK	WHITE	R6-1R	ONE WAY	
	05-11	Deer Creek	418+26	LT			1					1	36	12	3		BLACK	WHITE	R6-1R	ONE WAY	
	05-12	Deer Creek	418+28	RT			1					1	36	12	3		BLACK	WHITE	R6-1R	ONE WAY	
	05-13	Deer Creek	418+33	RT			1					1	36	12	3		BLACK	WHITE	R6-1R	ONE WAY	
	05-14	Deer Creek	418+59	LT				1									WHITE	RED	R1-1	STOP SIGN	
	05-15	Deer Creek	418+71	RT				2				1	86	18		10.75	WHITE	GREEN	SPECIAL	DEER CREEK RD	
	05-16	Deer Creek	418+74	LT			1					1	36	31	7.75		WHITE	RED	R1-2	YIELD	
	05-17	Deer Creek	418+84	RT	☐	1						1	24	30	5		BLACK	WHITE	R4-7	KEEP RIGHT	
	05-18			☐								1	12	36	3		BLACK	YELLOW	OM3-L	OBJECT MARKER	
	05-19	Deer Creek	419+84	LT	☐			1				1	30	30		6.25	BLACK	YELLOW	W2-6	ROUNDAABOUT WARNING	
	05-20			☐								1	18	18		2.25	BLACK	YELLOW	W13-1P	15 M.P.H. ADVISORY SPEED (PLAQUE)	
	05-21	Deer Creek	420+20	RT					1								BLACK	WHITE	R2-1	SPEED LIMIT 25	
	05-22	Deer Creek	420+20	RT			1					1	24	30	5		BLACK	WHITE	R2-1	SPEED LIMIT 25	
	05-23	Woodmoor	300+95	RT	☐			1				1	30	30		6.25	BLACK	YELLOW	W2-6	ROUNDAABOUT WARNING	
	05-24	Woodmoor	300+95	RT	☐							1	18	18		2.25	BLACK	YELLOW	W13-1P	15 M.P.H. ADVISORY SPEED (PLAQUE)	
	05-25	Woodmoor	301+95	LT	☐	1						1	24	30	5		BLACK	WHITE	R4-7	KEEP RIGHT	
	05-26			☐									1	12	36	3		BLACK	YELLOW	OM3-L	OBJECT MARKER
	05-27	Woodmoor	302+33	LT	☐			1				1	36	36		9	BLACK	FL YELLOW	S1-1	SCHOOL	
	05-28				☐								1	30	18		3.75	BLACK	FL YELLOW	W16-7PR	DOWNWARD DIAGONAL ARROW
	05-29				☐								1	36	36		9	BLACK	FL YELLOW	S1-1	SCHOOL
	05-30				☐								1	30	18		3.75	BLACK	FL YELLOW	W16-7PR	DOWNWARD DIAGONAL ARROW
	05-31	Woodmoor	302+48	RT		1						1	36	31	7.75		WHITE	RED	R1-2	YIELD	
	05-32	Woodmoor	302+52	LT				2				1	80	18		10	WHITE	GREEN	SPECIAL	WOODMOOR	
	05-33	Woodmoor	303+39	LT				2				1	80	18		10	WHITE	GREEN	SPECIAL	WOODMOOR	
	05-34	Woodmoor	303+42	LT			1					1	36	31	7.75		WHITE	RED	R1-2	YIELD	
	05-35	Woodmoor	303+64	RT					1								BLACK	YELLOW	W11-3	LARGE ANIMAL (DEER)	
	05-36	Woodmoor	303+94	LT	☐	1						1	24	30	5		BLACK	WHITE	R4-7	KEEP RIGHT	
05-37	☐										1	12	36	3		BLACK	YELLOW	OM3-L	OBJECT MARKER		
05-38	Woodmoor	304+68	RT			1					1	30	30	6.25		BLACK	YELLOW	W11-3	LARGE ANIMAL (DEER)		
05-39	Woodmoor	304+94	LT	☐			1				1	30	30		6.25	BLACK	YELLOW	W2-6	ROUNDAABOUT WARNING		
05-40				☐								1	18	18		2.25	BLACK	YELLOW	W13-1P	15 M.P.H. ADVISORY SPEED (PLAQUE)	



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Checker: PDC	
11x17 Scale: N/A	Units: Survey Feet

Index of Revisions		
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 Colorado Springs, CO 80920
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 AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
SIGNING AND STRIPING TABULATIONS	TRAFFIC 2 of 11
	Sheet Number 137

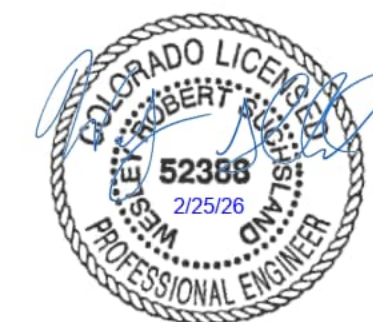
TABULATION OF SIGNING

SHEET	SIGN NO.	ALIGNMENT	APPROX STATION	SIDE	SAME POST	614-01503 STEEL SIGN SUPPORT (2 INCH) (EA)	614-01583 STEEL SIGN SUPPORT (2-1/2 INCH) (EA)	202-00810 REMOVAL OF GROUND SIGN (EA)	202-00821 REMOVAL OF SIGN PANEL (EA)	210-00810 RESET GROUND SIGN (EA)	210-00816 RESET SIGN PANEL (SPECIAL) (EA)	SIGN PANEL PLACEMENT	SIGN SIZE				COLOR		FHWA CODE	DESCRIPTION
													WIDTH (IN)	HEIGHT (IN)	614-00011	614-00012	LEGEND	BACK GROUND		
															SIGN PANEL (CLASS I) (SQ. FT.)	SIGN PANEL (CLASS II) (SQ. FT.)				
6	06-1	Base Camp	107+44	LT	1					1					WHITE	BLACK	SPECIAL	PRIVATE DRIVE NO EXIT		
	06-2																WHITE	GREEN	SPECIAL	SPECIAL
Project Totals						26	16	9	10	1	2	66			157.8	149.5				
Rounded Project Totals						26	16	9	10	1	2	66			158	150				

TABULATION OF STRIPING

SEGMENT	627-00008 HIGH BUILD WATERBORNE PAINT ^{1,2}								627-30410 PREFORMED THERMOPLASTIC PAVEMENT MARKING (XWALK - STOP LINE)	
	CENTER LINE, 4" DOUBLE YELLOW		EDGE LINES, YELLOW 6"		EDGE LINES, WHITE 6"		WIDE DOTTED EXTENSION LIN, 12" WHITE		SF	
	GAL		GAL		GAL		GAL		SF	
	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC
	DEER CREEK RD	12				14				
MICROSCOPE WY										
BASECAMP RD										
ROUNDAABOUT	3		4		3		1		288	
TABULATION OF STRIPING SUBTOTAL	15		4		17		1		288	
PAY ITEM TOTAL									37	288

NOTES: (1) ITEM 627-00008, HIGH BUILD WATERBORNE PAINT IS ASSUMED TO BE APPLIED AT A RATE OF 85 SF/GAL.
(2) REFER TO CDOT STANDARD S-627-01 FOR STRIPING WIDTHS.

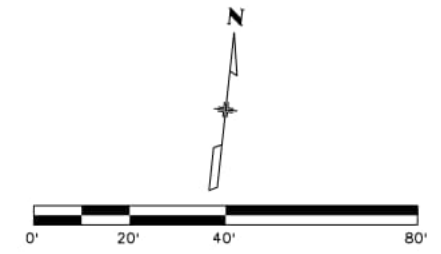
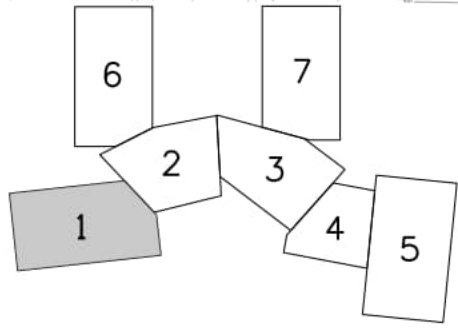
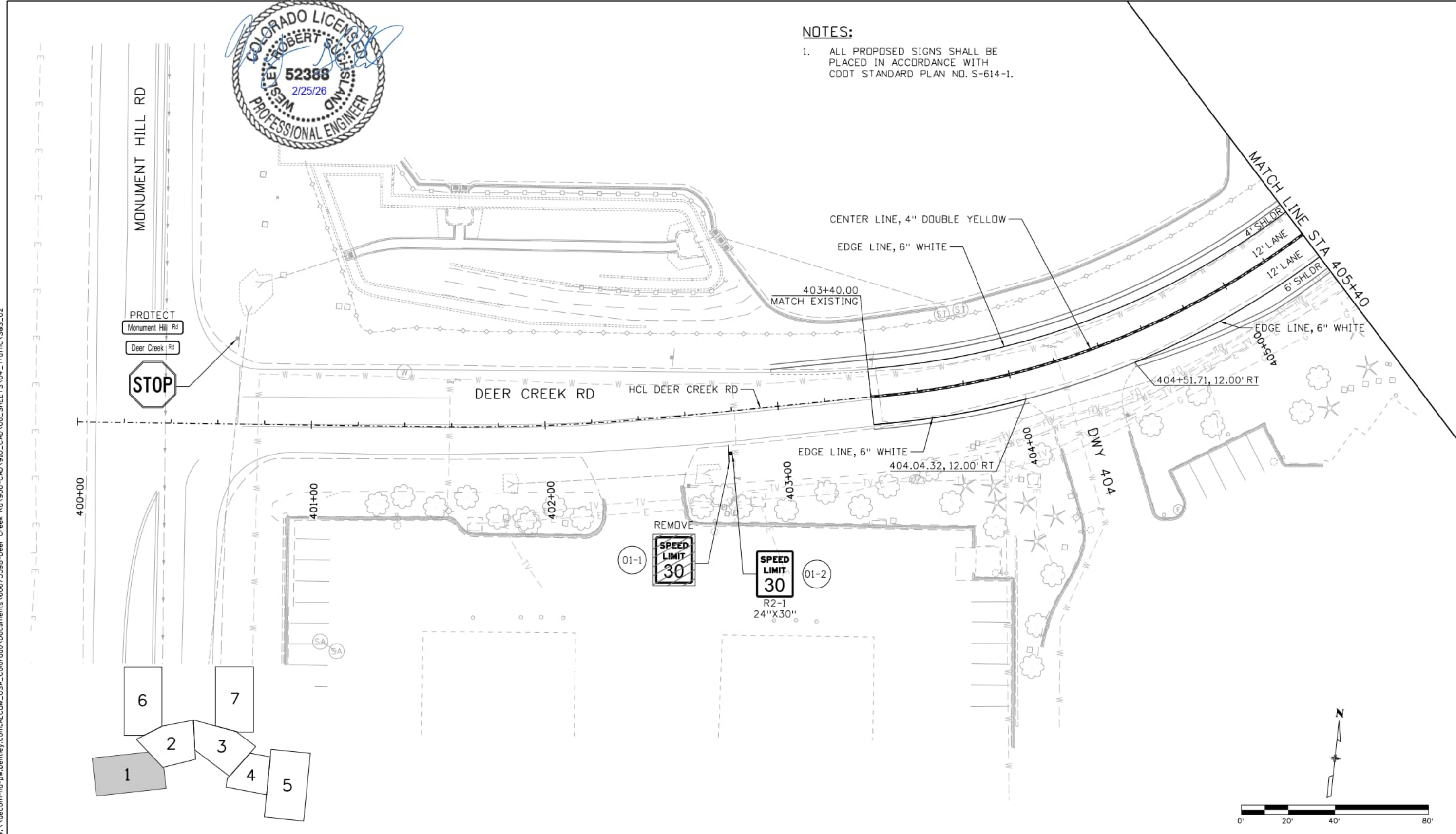


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Computer File Information		Index of Revisions		 AECOM 2315 Briargate Pkwy #150 Colorado Springs, CO 80920 Phone: 719-531-0001 Fax: 719-531-0007 AECOM #60673398	DEER CREEK ROAD INTERSECTION IMPROVEMENTS		
Print Date: 1/30/2026		Date:	Comments		Init.	SIGNING AND STRIPING TABULATIONS	
File Name: S&S_01 B						TRAFFIC 3 of 11	
Last Modification Date: 9/30/2024						Sheet Number 138	
Designer: PDC Detailer: JJB Checker: PDC							
11x17 Scale: N/A Units: Survey Feet							



NOTES:
 1. ALL PROPOSED SIGNS SHALL BE PLACED IN ACCORDANCE WITH CDDT STANDARD PLAN NO. S-614-1.



Computer File Information	
Print Date: 1/30/2026	
File Name: S&S_02	
Last Modification Date: 5/15/2024	
Designer: PDC	Detailer: JJB
Checker: PDC	
11x17 Scale: 1" = 40'	Units: Survey Feet

Index of Revisions		
Date:	Comments	Init.

EIPaso County
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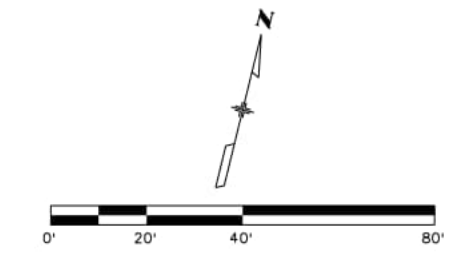
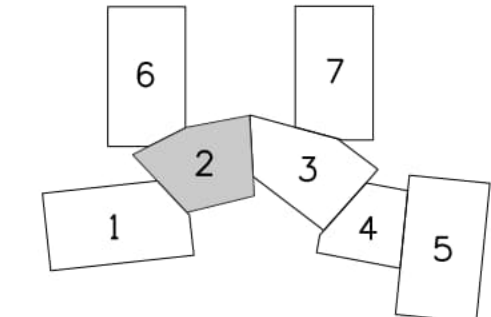
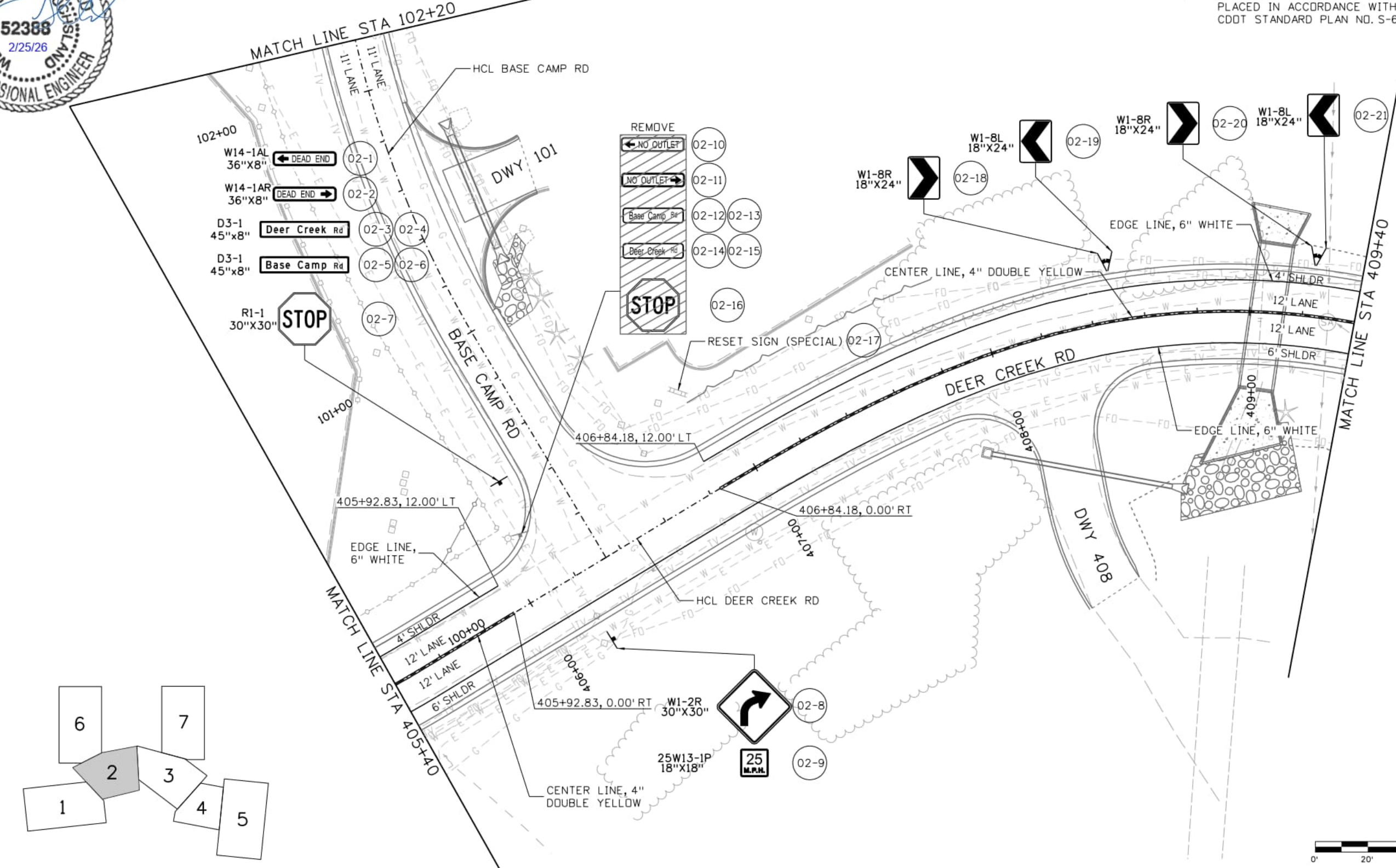
AECOM
 2315 Briargate Pkwy #150
 Colorado Springs, CO 80920
 Phone: 719-531-0001
 Fax: 719-531-0007
 AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
SIGNING AND STRIPING STA 400+00 TO STA 405+40	TRAFFIC 4 of 11 Sheet Number 139

SamuelsonM 11:22:23 AM p:\oeocom-no-pw\benley.com\AECOM_USA_Colorado\Documents\60673398-Deer Creek Rd\900-CAD\06-SHEETS\04-Traffic\S&S_02



NOTES:
 1. ALL PROPOSED SIGNS SHALL BE PLACED IN ACCORDANCE WITH CDDT STANDARD PLAN NO. S-614-1.



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Computer File Information	
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File Name: S&S_03	
Last Modification Date: 8/30/2024	
Designer: PDC	Detailer: JJB
Checker: PDC	
11x17 Scale: 1" = 40'	Units: Survey Feet

Index of Revisions		
Date:	Comments	Init.

El Paso County
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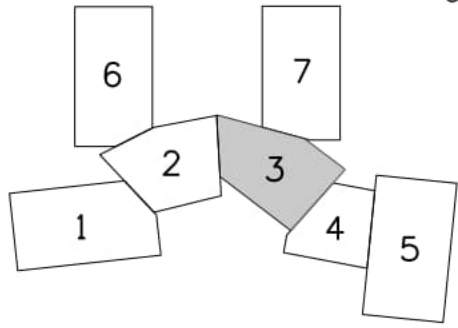
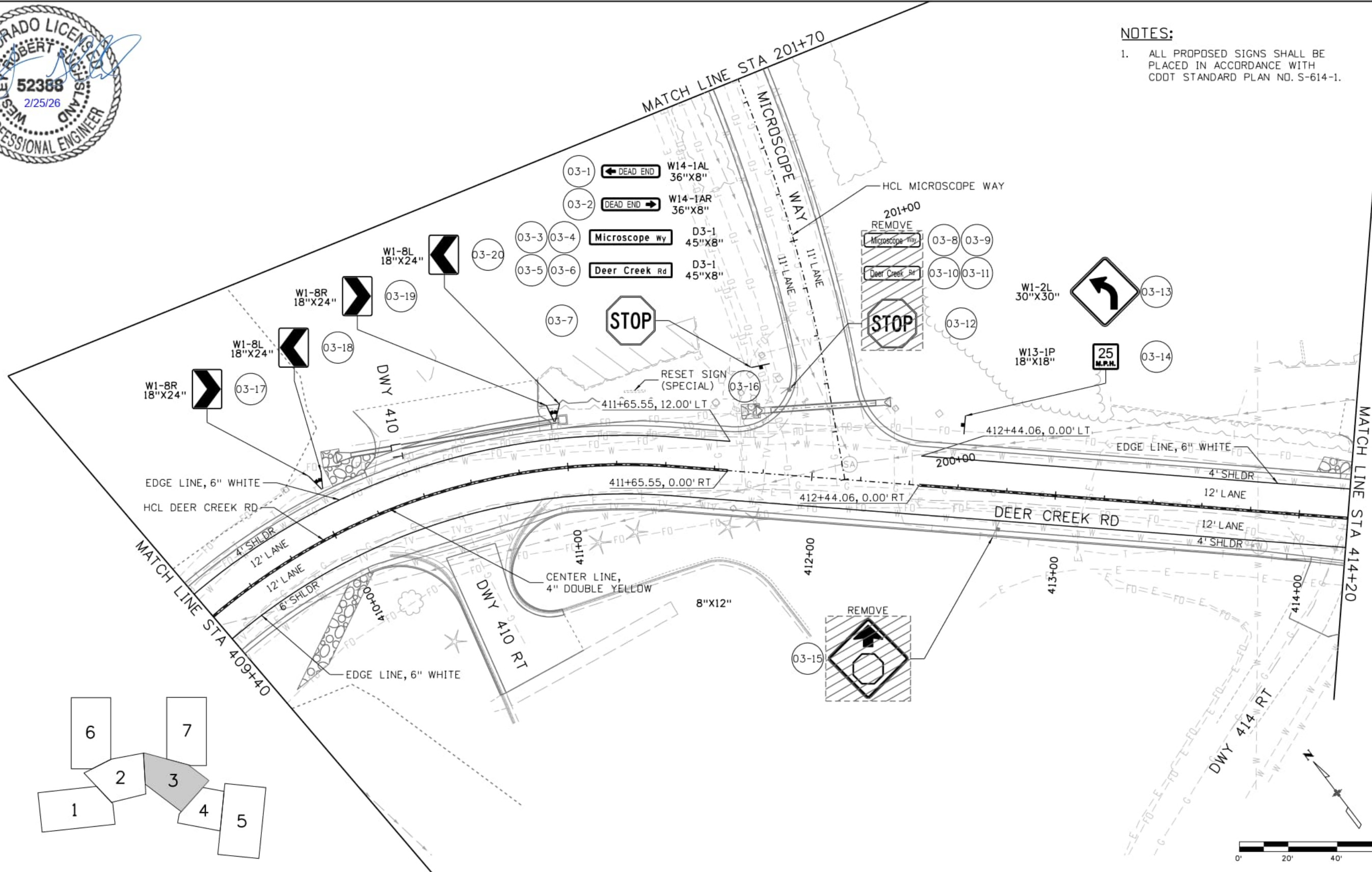
AECOM
 2315 Briargate Pkwy #150
 Colorado Springs, CO 80920
 Phone: 719-531-0001
 Fax: 719-531-0007
 AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
SIGNING AND STRIPING STA 405+40 TO STA 409+40	TRAFFIC 5 of 11
	Sheet Number 140



NOTES:
 1. ALL PROPOSED SIGNS SHALL BE PLACED IN ACCORDANCE WITH CDDT STANDARD PLAN NO. S-614-1.

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Computer File Information

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File Name: S&S_04
Last Modification Date: 8/30/2024
Designer: PDC Detailer: JJB Checker: PDC
11x17 Scale: 1" = 40' Units: Survey Feet

Index of Revisions

Date:	Comments	Init.

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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

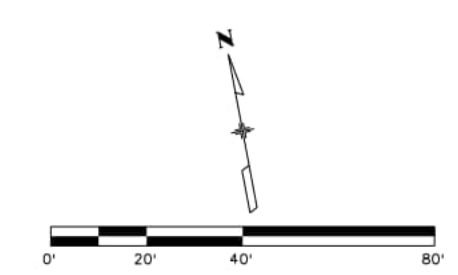
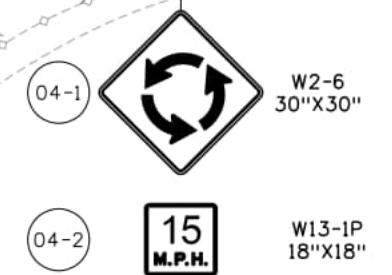
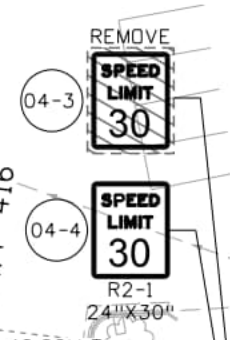
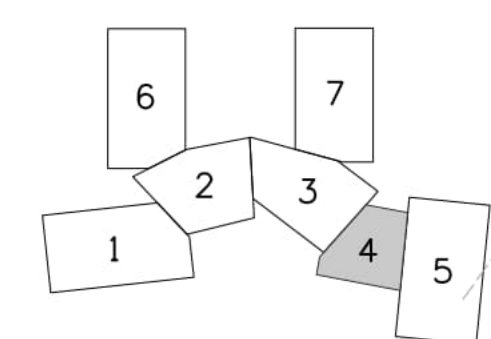
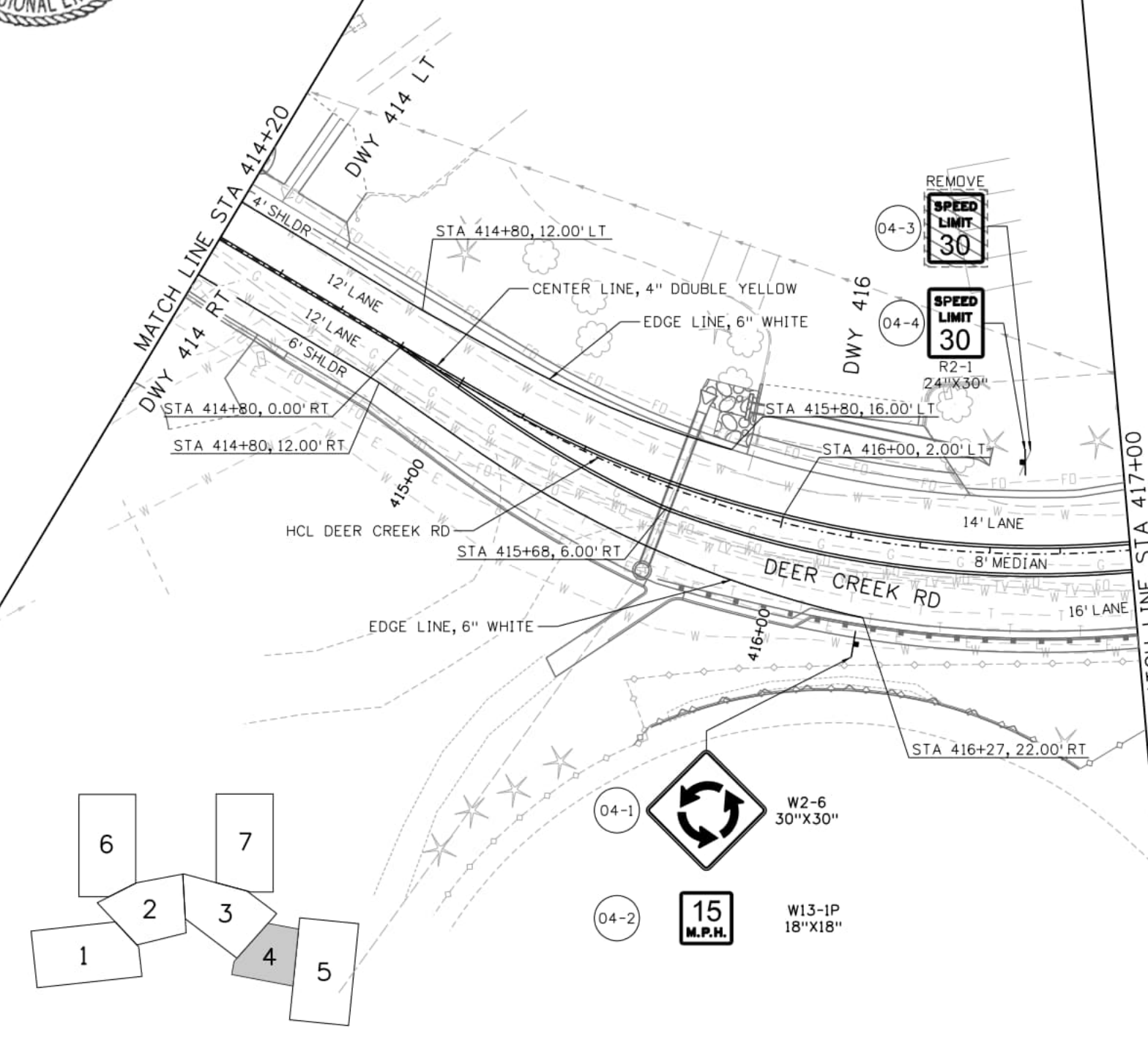
SIGNING AND STRIPING STA 409+40 TO STA 414+20	TRAFFIC 6 of 11
	Sheet Number 141



NOTES:

1. ALL PROPOSED SIGNS SHALL BE PLACED IN ACCORDANCE WITH CDDT STANDARD PLAN NO. S-614-1.

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Last Modification Date: 5/30/2024	
Designer: PDC	Detailer: JJB
Checker: PDC	
11x17 Scale: 1" = 40'	Units: Survey Feet

Index of Revisions		
Date:	Comments	Init.

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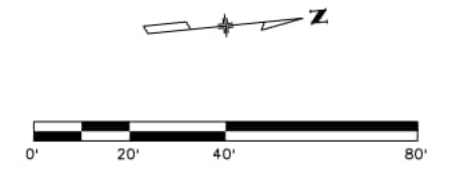
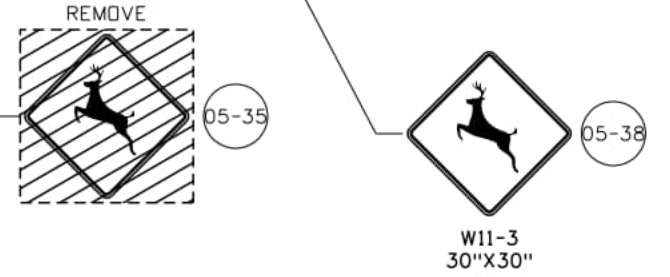
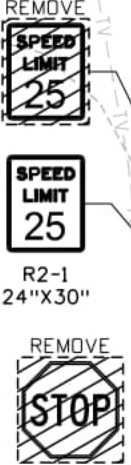
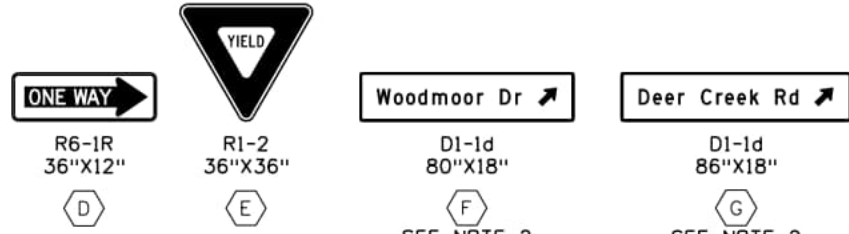
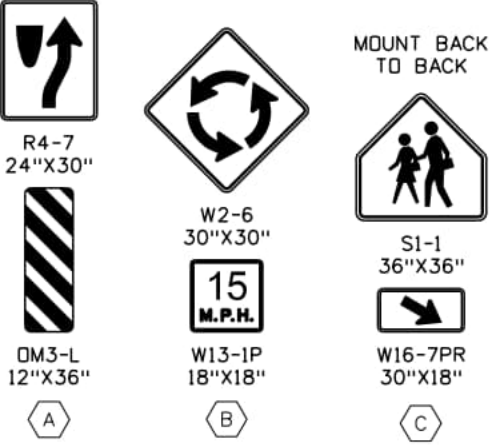
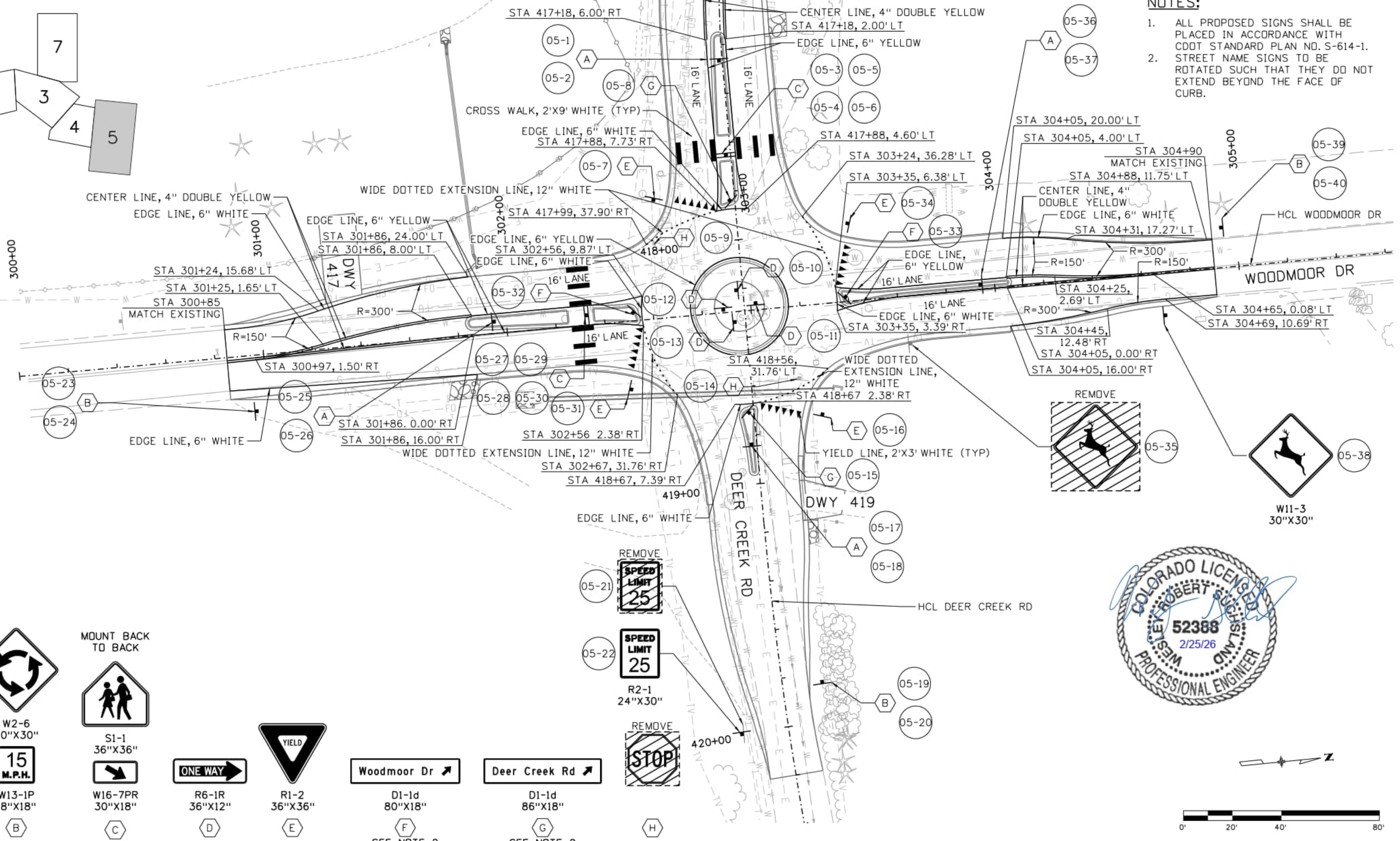
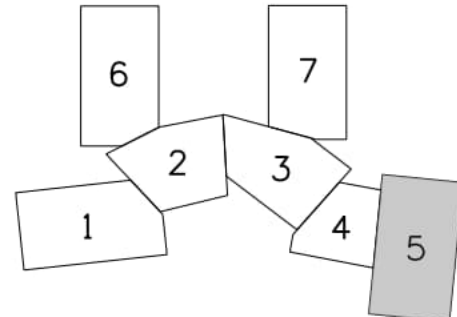
AECOM
 2315 Briargate Pkwy #150
 Colorado Springs, CO 80920
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 Fax: 719-531-0007
 AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
SIGNING AND STRIPING STA 414+20 TO 417+00	TRAFFIC 7 of 11
	Sheet Number 142

MATCH LINE STA 417+00

NOTES:

1. ALL PROPOSED SIGNS SHALL BE PLACED IN ACCORDANCE WITH CDDT STANDARD PLAN NO. S-614-1.
2. STREET NAME SIGNS TO BE ROTATED SUCH THAT THEY DO NOT EXTEND BEYOND THE FACE OF CURB.



SamuelsonM 11:24:42 AM pw:\oecom-na-pw\benley.com\AECOM_USA_Colorado\Documents\60673398-Deer Creek Rd\900-CAD\06-SHEETS\04-Traffic\8s_06

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Last Modification Date: 8/30/2024	
Designer: JJB	Detailer: JJB
Checker: CFC	
11x17 Scale: 1"= 40'	Units: Survey Feet

Index of Revisions		
Date:	Comments	Init.

EIPaso County
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3275 Akers Dr
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Fax: 719-520-6879

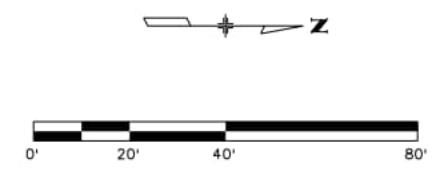
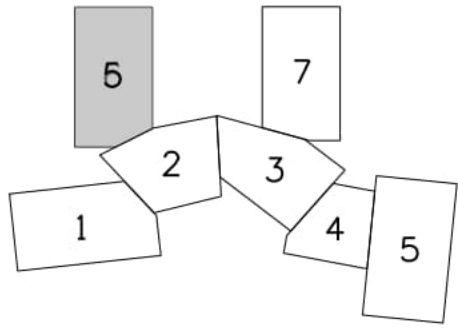
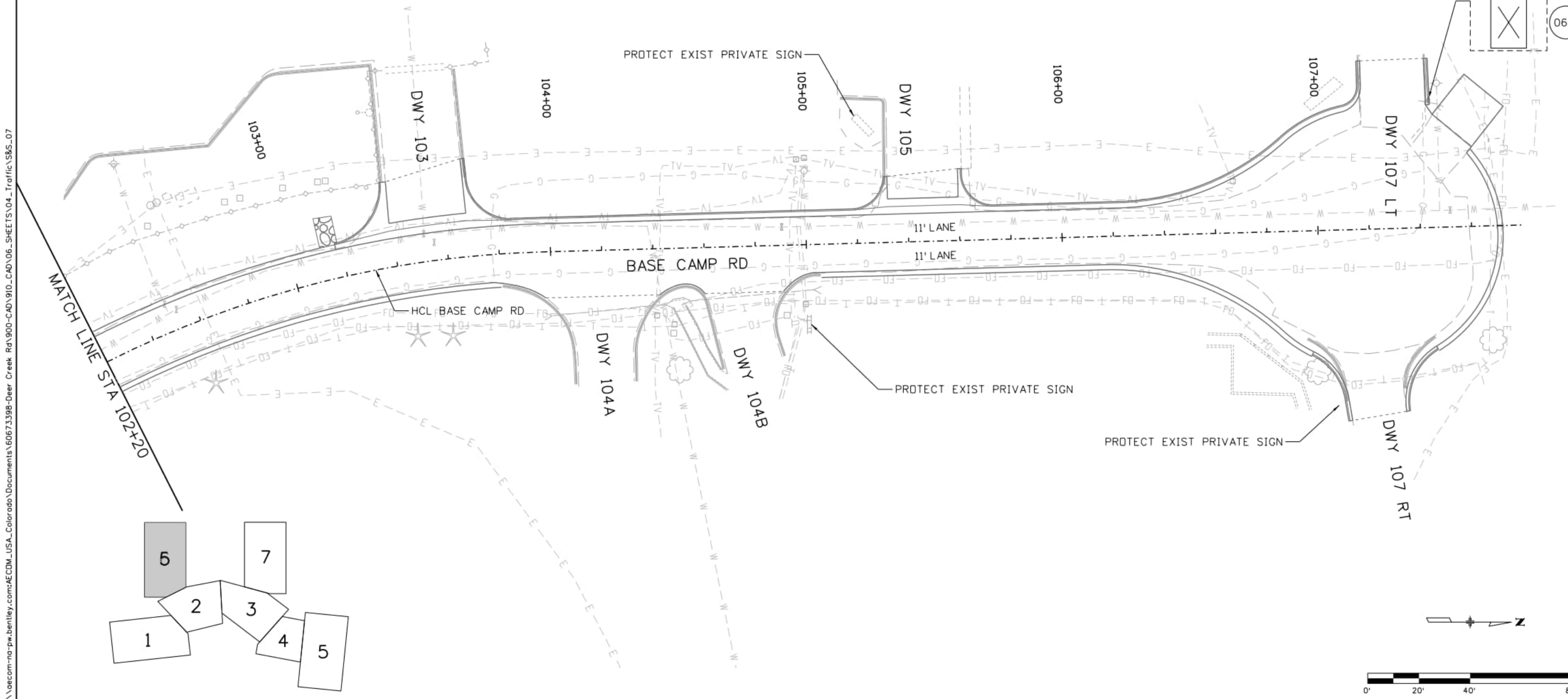


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AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
SIGNING AND STRIPING STA 417+00 TO 420+20	TRAFFIC 8 of 11
	Sheet Number 143



NOTES:
 1. ALL PROPOSED SIGNS SHALL BE PLACED IN ACCORDANCE WITH CDDT STANDARD PLAN NO. S-614-1.



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Designer: PDC Detailer: JJB Checker: PDC	
11x17 Scale: 1" = 40' Units: Survey Feet	

Index of Revisions		
Date:	Comments	Init.

EI Paso County
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 Fax: 719-520-6879

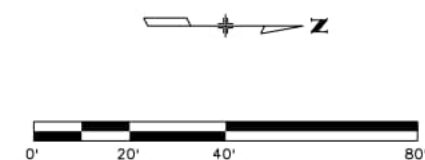
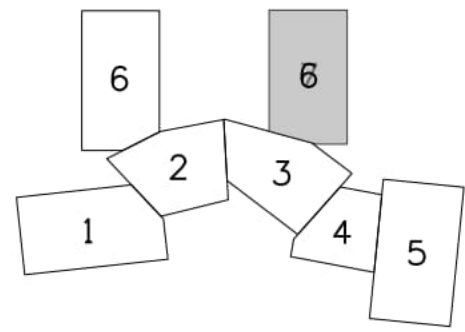
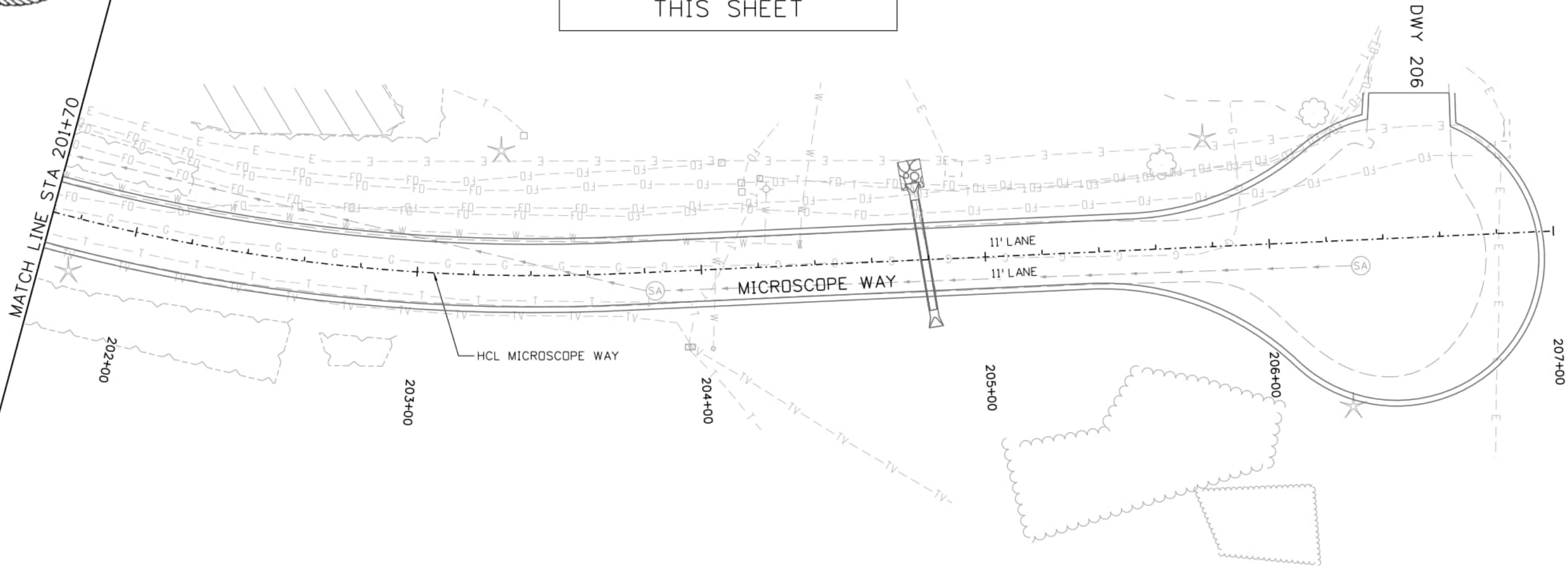


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 2315 Briargate Pkwy #150
 Colorado Springs, CO 80920
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 AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
SIGNING AND STRIPING STA 102+20 TO STA 107+80.00	TRAFFIC 9 of 11 Sheet Number 144



NO SIGNING & STRIPING
THIS SHEET



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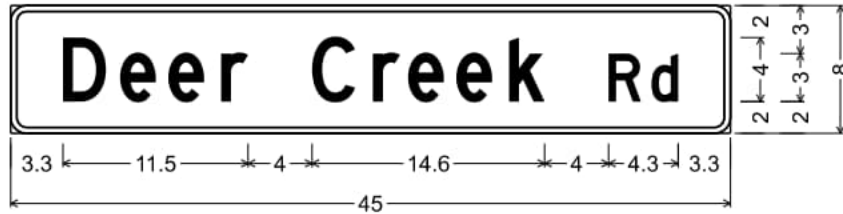
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Date:	Comments	Init.

El Paso County
 Department of Public Works
 3275 Akers Dr
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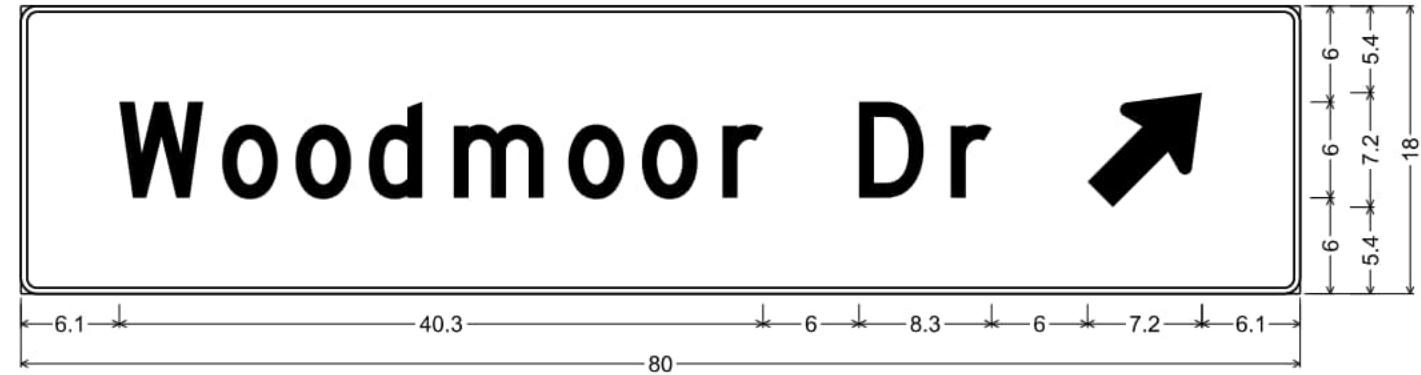
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
SIGNING AND STRIPING STA 201+70 TO STA 207+00.00	TRAFFIC 10 of 11 Sheet Number 145



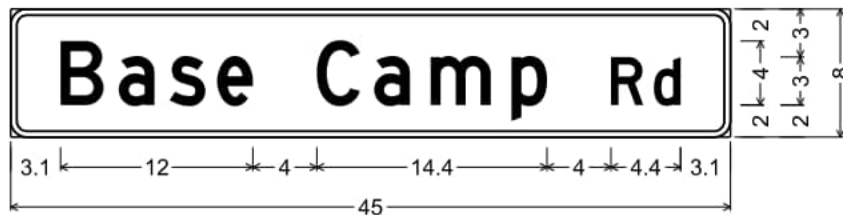
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 "Deer Creek", D; "Rd", D;
 Table of letter and object lefts

D	e	e	r	C	r	e	e	k	R	d
3.3	6.8	9.9	13.1	18.8	22.6	24.8	27.9	31.2	37.4	40.1



D1-1d;
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 "Woodmoor Dr", D; Standard Arrow Custom 9.0" X 6.0" 45';
 Table of letter and object lefts

W	o	o	d	m	o	o	r	D	r	↗
6.1	12.6	17.2	21.8	27.1	34.2	38.8	43.9	52.4	58.2	66.7



D3-1;
 1.0" Radius, 0.4" Border, White on, Green;
 "Base Camp", D; "Rd", D;
 Table of letter and object lefts

B	a	s	e	C	a	m	p	R	d
3.1	6.8	9.9	12.9	19.1	22.7	26.3	31.3	37.5	40.2



D1-1d;
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 "Deer Creek Rd", D; Standard Arrow Custom 9.0" X 6.0" 45';
 Table of letter and object lefts


D	e	e	r	C	r	e	e	k	R	d	↗
6.5	11.8	16.4	21.3	29.8	35.6	38.8	43.4	48.3	57.7	63.0	72.4



D3-1;
 1.0" Radius, 0.4" Border, White on, Green;
 "Microscope", D; "Wy", D;
 Table of letter and object lefts

M	i	c	r	o	s	c	o	p	e	W	y
3.3	7.8	9.5	12.8	14.9	17.9	20.9	23.9	27.3	30.3	36.5	39.5

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Print Date: 1/30/2026		Date:	Comments			Init.	2315 Briargate Pkwy #150 Colorado Springs, CO 80920		SIGNING AND STRIPING		TRAFFIC 11 of 11
File Name: S&S_09							Phone: 719-531-0001		SIGN DETAILS		Sheet Number 146
Last Modification Date: 8/30/2024							Fax: 719-531-0007				
Designer: MAK Detailer: JJB Checker: MAK							AECOM #60673398				
11x17 Scale: N/A Units: Survey Feet											

GENERAL NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE LANDSCAPE WALL INCLUDING ANY REQUIRED SOIL REINFORCEMENT, DRAINAGE, FILL MATERIAL, SUBGRADE PREPARATION, AND LEVELING PAD. CONTRACTOR SHALL SUBMIT THE DESIGN FOR APPROVAL TO THE ENGINEER. DETAILS AND ALIGNMENTS SHOWN ON THESE PLANS ARE FOR INFORMATION ONLY AND SHALL NOT BE USED FOR FINAL DESIGN OR CONSTRUCTION.
- LANDSCAPE WALLS SHALL BE RECON WALL SYSTEMS GRAVITY WALL SYSTEM, OR APPROVED EQUAL. THIS WALL SYSTEM WAS SELECTED TO LIMIT IMPACTS TO THE EXISTING WATERLINE AT WALL 416. IF A DIFFERENT WALL SYSTEM IS PROPOSED BY THE CONTRACTOR, NO PORTION OF WALL 416, INCLUDING SOIL REINFORCEMENT OR EXCAVATION, MAY COVER OR ENCROACH UPON THE EXISTING WATERLINE. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION. THE COLOR SHALL BE SIMILAR TO THE EXISTING LANDSCAPE WALLS IN THE VICINITY OR AN APPROVED EQUIVALENT. CONTRACTOR SHALL SUBMIT COLOR AND STYLE SAMPLES FOR APPROVAL 14 DAYS PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION OF THE WALL.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING WALL DESIGN CALCULATIONS, CONSTRUCTION PLANS, AND SPECIFICATIONS FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. THE PLAN DEVELOPED BY THE CONTRACTOR SHALL INCLUDE HORIZONTAL AND VERTICAL ALIGNMENTS THAT FIT BEST WITH THE DESIGN OF THE BLOCK WALL SYSTEM. ALL DESIGN AND CONSTRUCTION SUBMITTALS ARE TO BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF COLORADO.
- SHORING MAY BE REQUIRED FOR EXCAVATION ADJACENT TO THE UTILITIES AND PRIVATE PROPERTY. TEMPORARY EXCAVATION SUPPORT SHALL BE INCLUDED IN THE WORK.
- REFER TO FINAL GEOTECHNICAL ENGINEERING STUDY DEER CREEK, BASE CAMP ROAD, AND MICROSCOPE WAY STUDY PREPARED BY KUMAR DATED MARCH 31, 2020, AND TECHNICAL MEMORANDUM - RETAINING WALL PARAMETERS PREPARED BY VIVID ENGINEERING GROUP DATED NOVEMBER 16, 2022 (REVISED 11/22/22 AND 12/6/22) FOR ADDITIONAL INFORMATION.
- LANDSCAPE WALLS SHALL BE PAID FOR UNDER ITEM 504-08255, RETAINING WALL (LANDSCAPE) AND SHALL INCLUDE FULL COMPENSATION FOR: ALL MATERIALS INCLUDING MASONRY UNITS, MORTAR, STEEL, UNDERDRAIN PIPE AND APPURTENANCES, CONCRETE, AND FABRIC; EXCAVATION, SUBGRADE PREPARATION, SOIL REINFORCEMENT, AND BACKFILL; PLACEMENT; FINISHING; AND PREPARATION OF THE WALL DESIGNS, CONSTRUCTION PLANS, SPECIFICATIONS, AND ANY REVISIONS.
- THE STATIONS AND OFFSETS SHOWN ARE ALONG WALL LAYOUT LINE AND REFERENCE WALL STATIONS AS SHOWN ON THE CONTRACT PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE AND EXCAVATION DURING CONSTRUCTION.
- STATIONS, ELEVATIONS, AND DIMENSIONS CONTAINED IN THESE PLANS ARE CALCULATED FROM A RECENT FIELD SURVEY. THE CONTRACTOR SHALL VERIFY ALL DEPENDENT DIMENSIONS IN THE FIELD BEFORE ORDERING OR FABRICATING ANY MATERIAL.
- ALL LONGITUDINAL AND TRANSVERSE DIMENSIONS ARE MEASURED HORIZONTALLY AND INCLUDE NO CORRECTION FOR GRADE.
- THE INFORMATION SHOWN ON THESE PLANS CONCERNING THE TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OVERHEAD UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO AT 811 (1-800-922-1987) AT LEAST 3 DAYS (2 DAYS NOT INCLUDING THE DAY OF NOTIFICATION) PRIOR TO ANY EXCAVATION OR OTHER EARTHWORK.
- WALL AREAS SHOWN ON THE PLANS INDICATE THE SQUARE FOOTAGE OF EARTH RETAINED.

INDEX OF DRAWINGS:

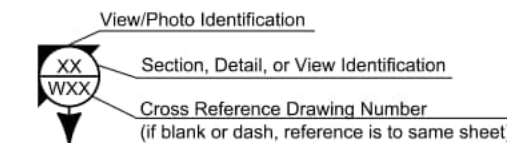
- GENERAL INFORMATION & SUMMARY OF QUANTITIES
- WALL PLAN AND PROFILE, RETAINING WALL (LANDSCAPE) 407
- WALL PLAN AND PROFILE, RETAINING WALL (LANDSCAPE) 411
- WALL PLAN AND PROFILE, RETAINING WALL (LANDSCAPE) 416



**Know what's below.
Call before you dig.**

SUMMARY OF QUANTITIES

ITEM NUMBER	DESCRIPTION	UNIT	WALL 407	WALL 411	WALL 416	TOTAL
504-08255	MASONRY LANDSCAPE WALL (DRY STACK)	SF	77	38	513	628



WALL DESCRIPTIONS:

WALL No.	DESCRIPTION	LENGTH	MAX DESIGN HEIGHTS
407	DRY STACKED LANDSCAPE WALL	108'	2.66'
411	DRY STACKED LANDSCAPE WALL	68'	2.66'
416	DRY STACKED LANDSCAPE WALL	128'	8.00'



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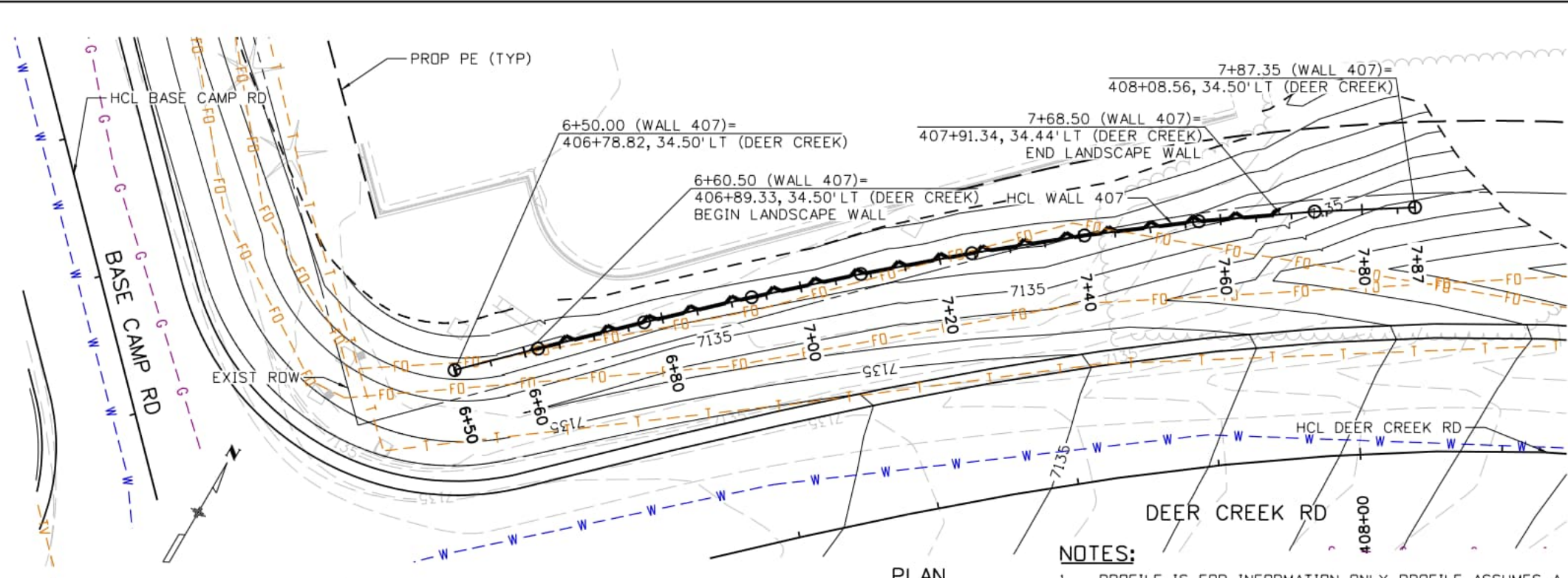
AASHTO, 9TH EDITION LRFD WITH CURRENT INTERIMS
DESIGN METHOD: LOAD AND RESISTANCE FACTOR DESIGN

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Computer File Information	Index of Revisions	El Paso County Department of Public Works 3275 Akers Dr Phone: 719-520-6460 Fax: 719-520-6879		AECOM 2315 Briargate Pkwy #150 Colorado Springs, CO 80920 Phone: 719-531-0001 Fax: 719-531-0007 AECOM #60673398	DEER CREEK ROAD INTERSECTION IMPROVEMENTS
Print Date: 1/30/2026	Date: Comments Init.				WALL PLAN AND PROFILE INFORMATION & SUMMARY OF QUANTITIES
File Name: wall_p&p_01					WALL P&P 1 of 4
Last Modification Date: 5/31/2024					Sheet Number 147
Designer: RAN Detailer: JJB Checker: PDC					
11x17 Scale: 1"= N/A Units: Survey Feet					

RETAINING WALL (LANDSCAPE) 407 GEOMETRY TABLE

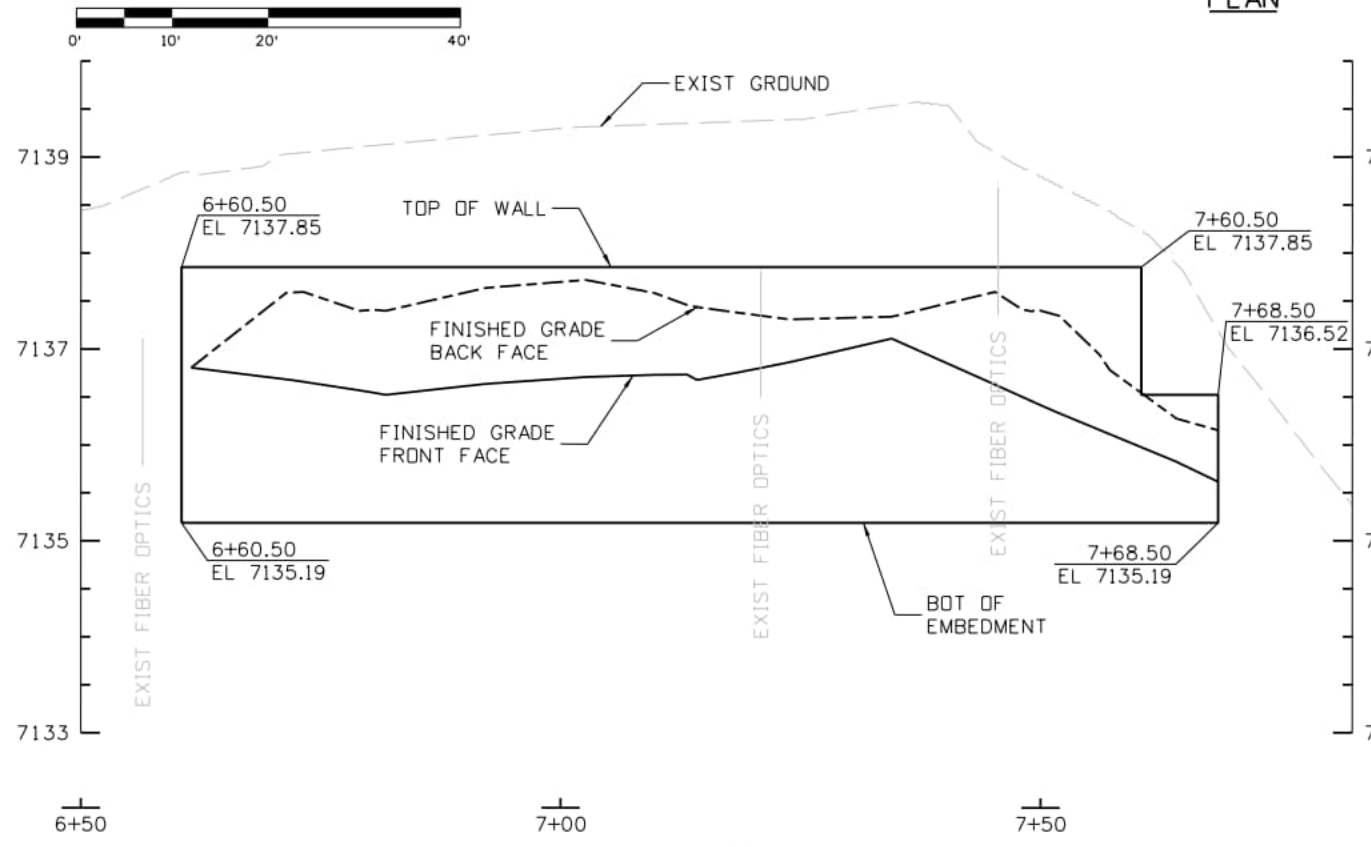
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LENGTH:	15.41	N45°55'34"E		
PI	6+77.37		464700.98	182296.07
LENGTH:	15.58	N46°45'09"E		
PI	6+92.95		464711.65	182307.41
LENGTH:	15.75	N47°51'15"E		
PI	7+08.69		464722.22	182319.09
LENGTH:	15.91	N49°13'53"E		
PI	7+24.60		464732.61	182331.14
LENGTH:	16.08	N50°53'03"E		
PI	7+40.68		464742.75	182343.61
LENGTH:	16.24	N52°48'45"E		
PI	7+56.92		464752.57	182356.56
LENGTH:	16.41	N55°00'58"E		
PI	7+73.33		464761.98	182370.00
LENGTH:	7+87.48	N57°29'43"E		
POE	7+87.48		464769.58	182381.93



PLAN

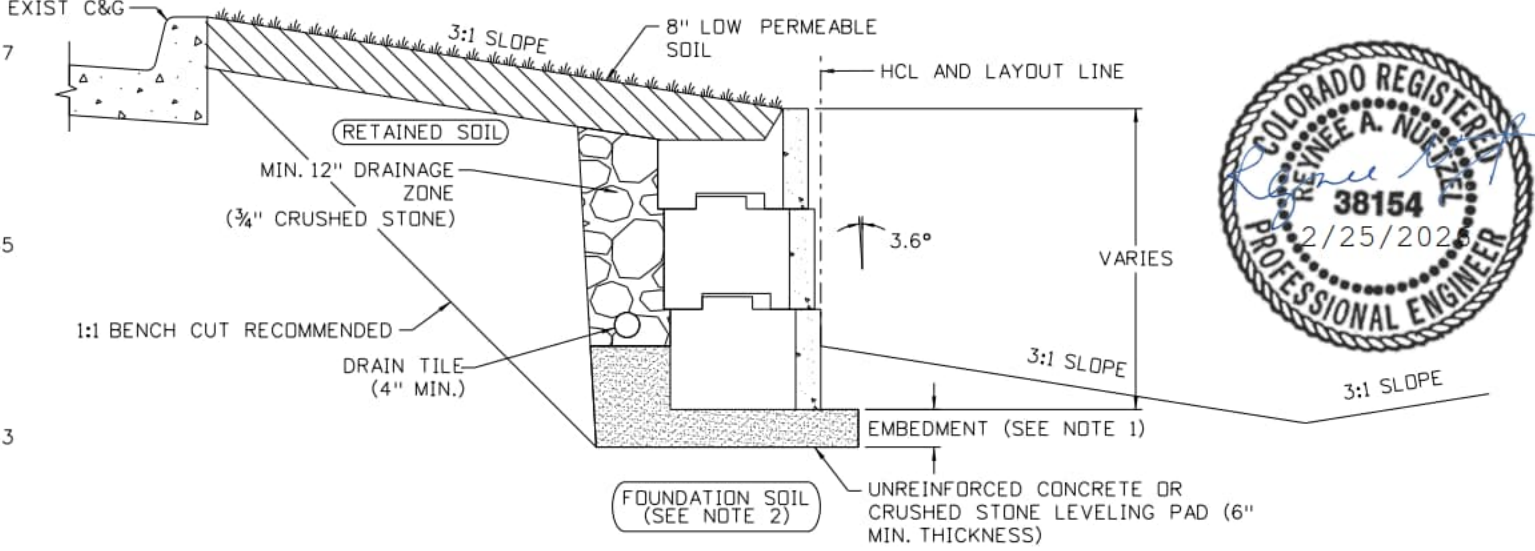
NOTES:

1. PROFILE IS FOR INFORMATION ONLY. PROFILE ASSUMES A MINIMUM OF 6" EMBEDMENT DEPTH.
2. FOUNDATION PREPARATION SHALL INCLUDE AN 8" SCARIFICATION, MOISTURE CONDITIONING, AND RE-COMPACTION OF THE EXPOSED SUBGRADE SOILS. THE GEOTECHNICAL ENGINEER SHOULD OBSERVE THE EXPOSED FOUNDATION MATERIALS ONCE EXCAVATION IS COMPLETE TO VERIFY THE ACTUAL CONDITIONS AND PROVIDE ANY ADDITIONAL RECOMMENDATIONS.
3. SEE UTILITY CONFLICT PLANS FOR PROPOSED UTILITY RELOCATIONS.



PROFILE

TAKEN AT WALL LAYOUT LINE



LANDSCAPE WALL TYPICAL SECTION

NOT TO SCALE



SamuelsonM 10:32:56 AM pw:\aecom-na-pw\benitley.com\AECOM_USA_Colorado\Documents\60673398-Deer Creek Rd\900-CAD\910-CAD\06-SHEETS\10-Structure\wall_p&p_02

Computer File Information	
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Designer: RAN	Detailer: JJB
Checker: PDC	
11x17 Scale: 1" = 20'	Units: Survey Feet

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Date:	Comments	Init.

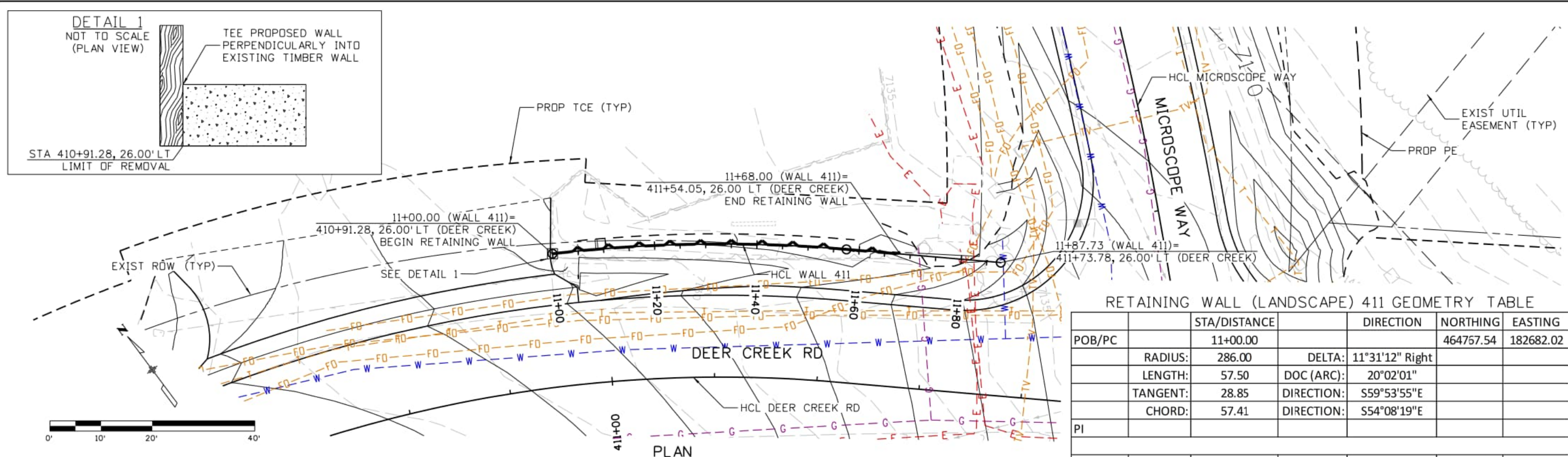
El Paso County
 Department of Public Works
 3275 Akers Dr
 Phone: 719-520-6460
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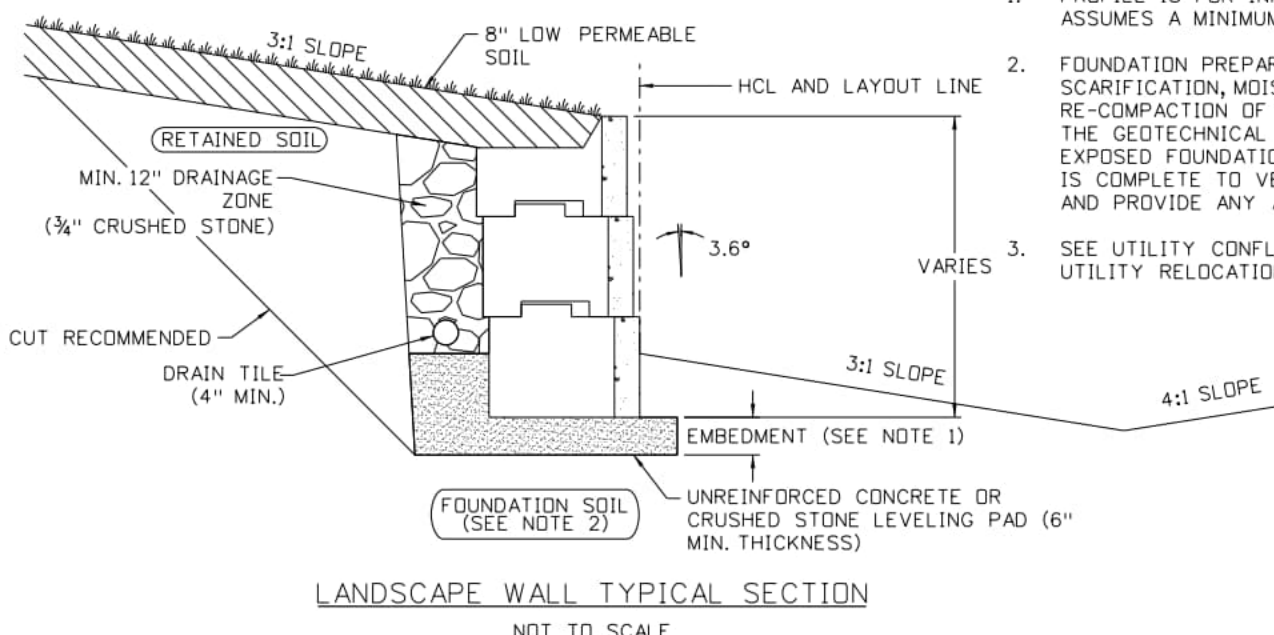
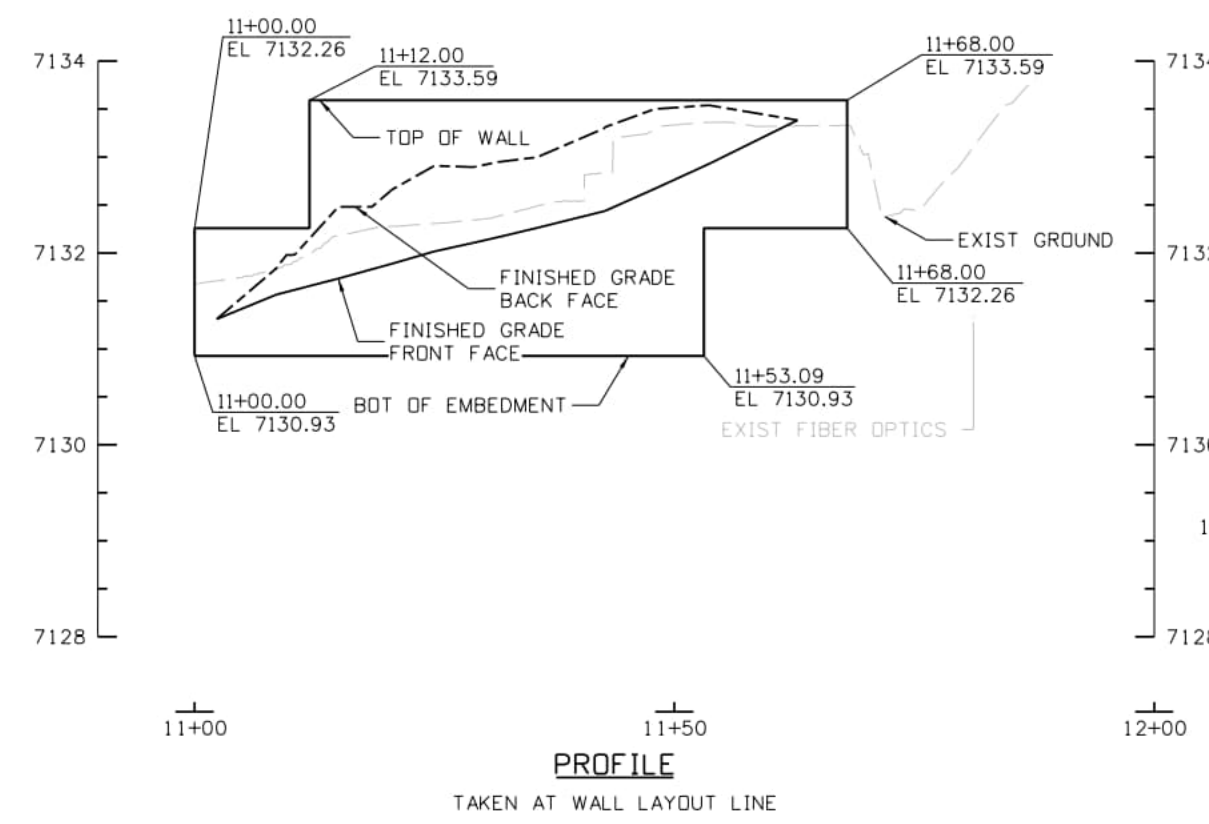
DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
WALL PLAN AND PROFILE	WALL P&P 2 of 4
RETAINING WALL (LANDSCAPE) 407	Sheet Number 148

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RETAINING WALL (LANDSCAPE) 411 GEOMETRY TABLE

	STA/DISTANCE	DIRECTION	NORTHING	EASTING
POB/PC	11+00.00		464757.54	182682.02
	RADIUS: 286.00	DELTA: 11°31'12" Right		
	LENGTH: 57.50	DOC (ARC): 20°02'01"		
	TANGENT: 28.85	DIRECTION: S59°53'55"E		
	CHORD: 57.41	DIRECTION: S54°08'19"E		
PI				
PT	11+57.50		464733.91	182728.54
	LENGTH: 30.23	S48°22'43"E		
POE	11+87.73		464713.83	182751.14



- NOTES:**
1. PROFILE IS FOR INFORMATION ONLY. PROFILE ASSUMES A MINIMUM OF 6" EMBEDMENT DEPTH.
 2. FOUNDATION PREPARATION SHALL INCLUDE AN 8" SCARIFICATION, MOISTURE CONDITIONING, AND RE-COMPACTION OF THE EXPOSED SUBGRADE SOILS. THE GEOTECHNICAL ENGINEER SHOULD OBSERVE THE EXPOSED FOUNDATION MATERIALS ONCE EXCAVATION IS COMPLETE TO VERIFY THE ACTUAL CONDITIONS AND PROVIDE ANY ADDITIONAL RECOMMENDATIONS.
 3. SEE UTILITY CONFLICT PLANS FOR PROPOSED UTILITY RELOCATIONS.



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11x17 Scale: 1" = 20' Units: Survey Feet

Index of Revisions

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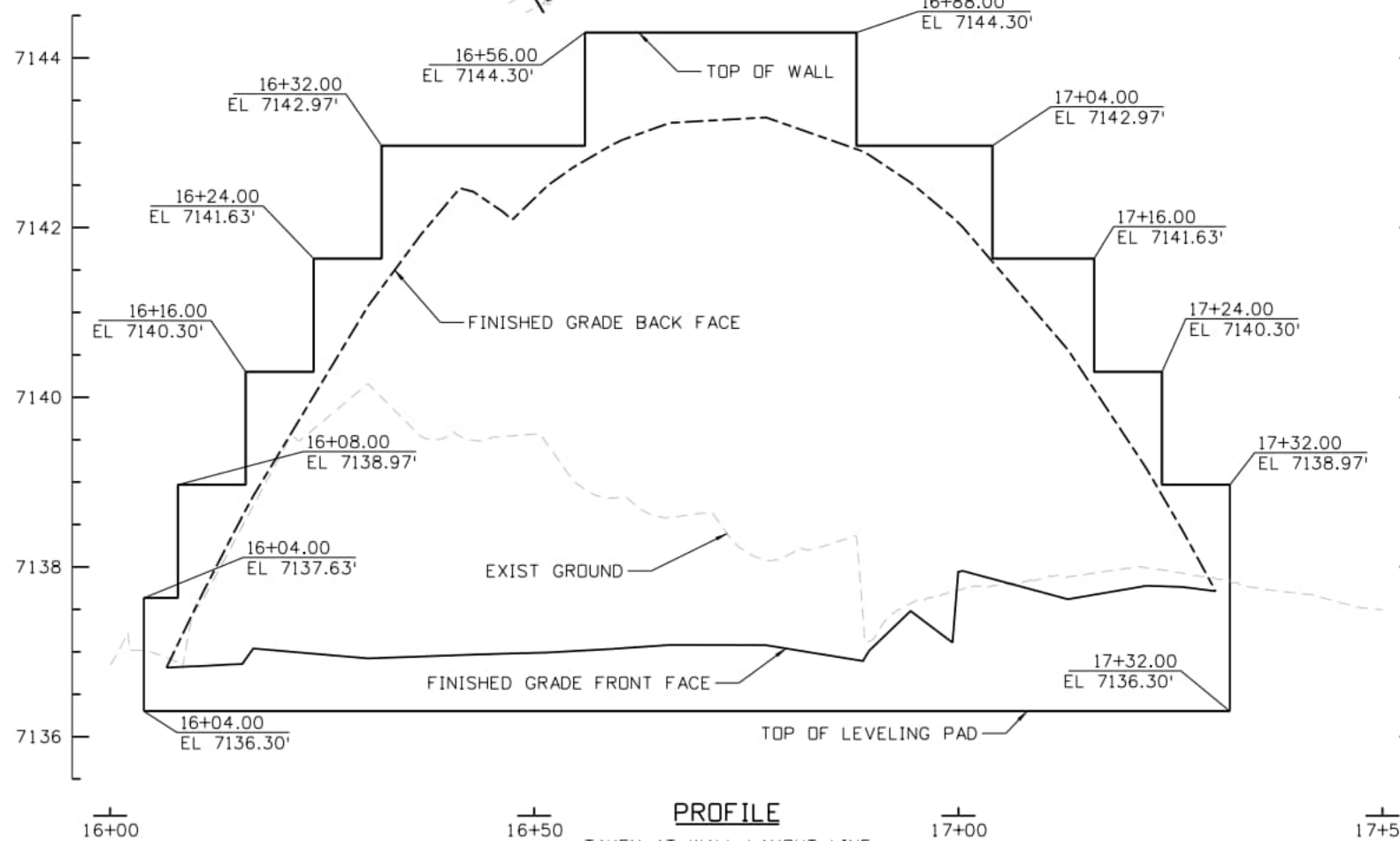
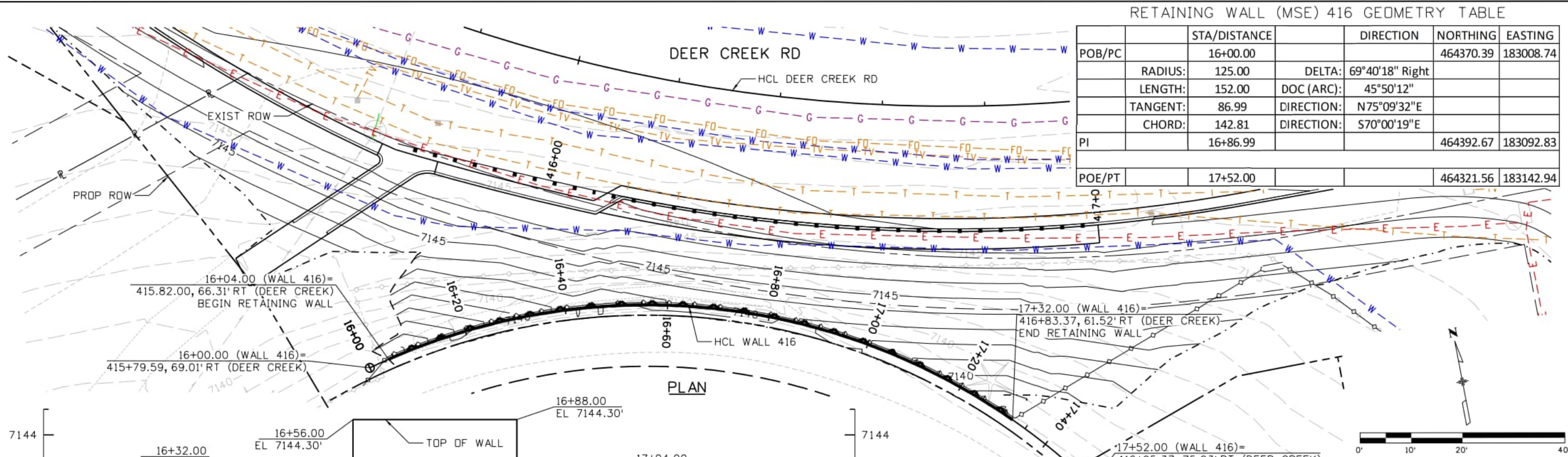
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

WALL PLAN AND PROFILE RETAINING WALL (LANDSCAPE) 411	WALL P&P 3 of 4 Sheet Number 149
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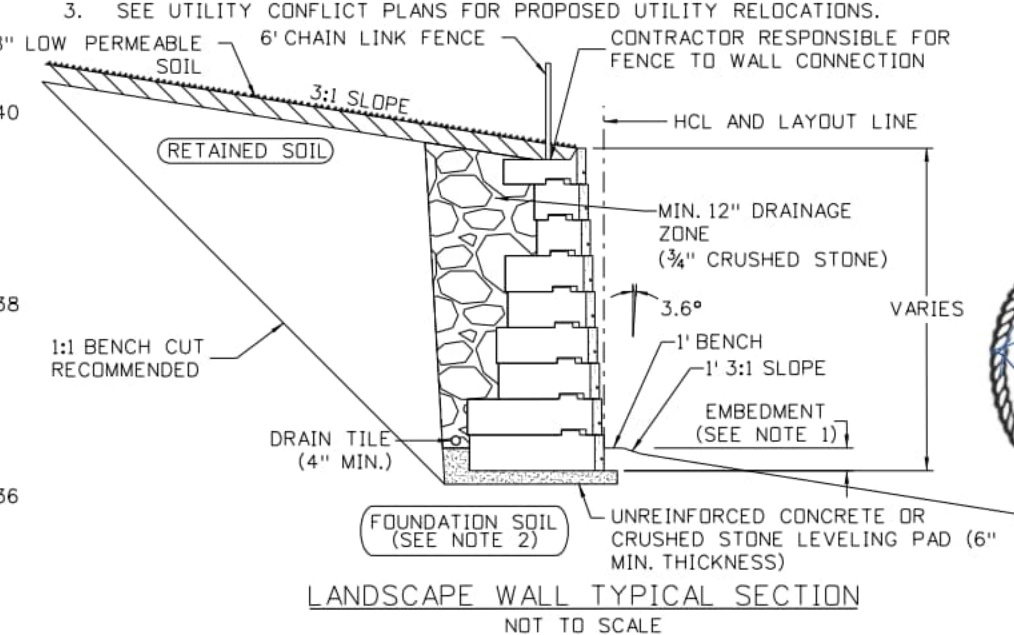
RETAINING WALL (MSE) 416 GEOMETRY TABLE

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RADIUS:	125.00	DELTA: 69°40'18" Right		
LENGTH:	152.00	DOC (ARC): 45°50'12"		
TANGENT:	86.99	DIRECTION: N75°09'32"E		
CHORD:	142.81	DIRECTION: S70°00'19"E		
PI	16+86.99		464392.67	183092.83
POE/PT	17+52.00		464321.56	183142.94



NOTES:

1. PROFILE IS FOR INFORMATION ONLY. PROFILE ASSUMES A MINIMUM OF 6" EMBEDMENT DEPTH.
2. FOUNDATION PREPARATION SHALL INCLUDE AN 8" SCARIFICATION, MOISTURE CONDITIONING, AND RE-COMPACTION OF THE EXPOSED SUBGRADE SOILS. THE GEOTECHNICAL ENGINEER SHOULD OBSERVE THE EXPOSED FOUNDATION MATERIALS ONCE EXCAVATION IS COMPLETE TO VERIFY THE ACTUAL CONDITIONS AND PROVIDE ANY ADDITIONAL RECOMMENDATIONS.
3. SEE UTILITY CONFLICT PLANS FOR PROPOSED UTILITY RELOCATIONS.



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11x17 Scale: 1" = 20'	Units: Survey Feet

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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
WALL PLAN AND PROFILE RETAINING WALL (LANDSCAPE) 416	WALL P&P 4 of 4 Sheet Number 150

GENERAL NOTES:

- REVIEW AND REFER TO CDOT STANDARD DETAILS S-613-01, S-613-02, S-613-03 FOR ROADWAY LIGHTING. NEWEST REVISIONS AND SPECIAL PROVISIONS SHALL BE REFERENCED. NOT ALL DETAILS IN THESE STANDARDS WILL BE UTILIZED, HOWEVER ALL DETAILS FOR THE WORK ARE INCLUDED.
- CDOT SPECIFICATIONS SECTIONS 613 AND 715 SHALL BE REVIEWED AND REFERENCED AS WELL AS ANY SPECIFICATION SECTIONS REFERENCED WITHIN THESE SECTIONS.
- ALL SPLICES AND ELECTRICAL WORK AT THE POWER SOURCE TO THE METER SHALL BE DONE BY THE UTILITY COMPANY (MVEA).
- ALL ELECTRICAL CONDUCTORS SHALL BE IDENTIFIED AND TAGGED PER SECTION 613, AS WELL AS WIRING FOR STREET LIGHT LUMINAIRES SHALL BE TAGGED PER THE PROJECT SPECIAL PROVISION, REVISION OF SECTION 613 - ELECTRICAL CONDUCTOR IDENTIFICATION.
- 10 FEET OF EXTRA WIRE SHOULD BE COILED AT THE BASE OF THE POWER SOURCE. RELOCATION OF THE EXISTING POWER TRANSFORMER MAY USE THIS EXTRA WIRE FOR RELOCATION.
- ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER AND SUBJECT TO INSPECTION AND POSSIBLE REJECTION IF NOT IN ACCORDANCE WITH THE SPECIFICATIONS OR THE DRAWINGS. ANY REJECTED WORK SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL NON-UTILITY UNDERGROUND ITEMS AND ALSO RESPONSIBLE FOR CALLING 811 PRIOR TO DIGGING.
- DAMAGE TO ANY UTILITIES SHALL BE REPAIRED IMMEDIATELY IN COMPLIANCE WITH THE DAMAGED UTILITY OWNER AND INSPECTED PRIOR TO BACKFILL.
- THE CONTRACTOR SHALL REMOVE ALL DISCARDED AND ABANDONED MATERIALS FROM DEMOLITION AND INSTALLATION FROM THE JOB SITE. THIS INCLUDES BUT IS NOT LIMITED TO BOXES, CONDUIT, FASTENERS, ETC.
- THE MAXIMUM NUMBER OF CONDUIT BENDS SHALL NOT BE GREATER THAN 270 DEGREES BETWEEN PULLING STRUCTURES. THIS INCLUDES THE AGGREGATE OF ALL HORIZONTAL AND VERTICAL CHANGES. NO INDIVIDUAL BENDS SHALL BE GREATER THAN 45 DEGREES. ALL BENDS SHALL HAVE A MINIMUM ACCEPTABLE RADIUS OF 30 INCHES.

ABBREVIATIONS	
A	AMPERAGE, AMPS
AC	ALTERNATING CURRENT
AIC	AMPERE INTERRUPTING CAPACITY
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CCT	CORRELATED COLOR TEMPERATURE
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION
CKT	CIRCUIT
CLR	CLEAR
CRI	COLOR RENDERING INDEX
CU	COPPER
DIST	DISTRIBUTION
(E)	EXISTING
EC	ELECTRICAL CONTRACTOR
ETC	ET CETERA
FT	FEET
G, GND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
IP	INGRESS PROTECTION
KVA	KILOVOLT AMPERES
L	POLE LIGHT
LED	LIGHT EMITTING DIODE
M	METER
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MIN	MINIMUM
MVEA	MOUNTAIN VIEW ELECTRIC ASSOCIATION
MVOLT	MULTI-VOLT, 120-277V
N	NEUTRAL, NORTH
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
OCPD	OVERCURRENT PROTECTION DEVICE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
RD	ROAD
RMS	ROOT MEAN SQUARE
ROW	RIGHT OF WAY

ELECTRICAL LEGEND	
	PAD MOUNTED POWER TRANSFORMER
	ELECTRICAL PULL BOX
	BURIED ELECTRICAL CONDUIT (NEW)
	BURIED ELECTRICAL CONDUIT (E)
	LIGHT STANDARD
	METER PEDESTAL
	GROUND ROD
	DISCONNECT
	SCHOOL ZONE SPEED LIMIT SIGN BEACONS
	UTILITY PAD MOUNTED SWITCH



LUMINAIRE SCHEDULE											
MANUFACTURER	DESCRIPTION	ORDER NUMBER	LIGHT SOURCE	LUMENS	VOLTS	OPTIC DIST.	CCT (K)	CRI	FINISH	IP RATING	WATTS
AUTOBAHN (AQUITY BRANDS)	LED ROADWAY LIGHT, ROADWAY TYPE 2 DISTRIBUTION B2 U0 G2, HOUSE SIDE SHIELD, 7 PIN PHOTOCCELL RECEPTACLE, DIMMABLE DRIVER, SURGE PROTECTED DEVICE, BRONZE	ATBO P201 MVOLT R2 3K BZ HSS BAA P7	LED	5369	MVOLT (120 -227V)	TYPE 2	3000	70	BRONZE	IP66	35

TABULATION OF LIGHTING																		
HCL	613-00200		613-07002		613-07003		613-10000		613-13006		613-32250		613-40010		613-50106		613-80274	
	2 INCH ELECTRICAL CONDUIT (PVC)		TYPE TWO PULL BOX		TYPE THREE PULL BOX		WIRING		LUMINAIRE (LED) (6000 LUMENS)		LIGHT STANDARD STEEL (25 FOOT)		LIGHT STANDARD FOUNDATION		METER POWER PEDESTAL		STRUCTURE MOUNTED DISCONNECT SWITCH	
	LF	AC	EA	EA	EA	EA	LS	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC
DEER CREEK	0		0		0		0		0		0		0		0		0	
MICROSCOPE	0		0		0		0		0		0		0		0		0	
BASE CAMP	0		0		0		0		0		0		0		0		0	
ROUNDAABOUT	600		9		1		1		8		8		8		1		1	
PROJECT TOTAL	600		9		1		1		8		8		8		1		1	

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Date:	Comments	Init.

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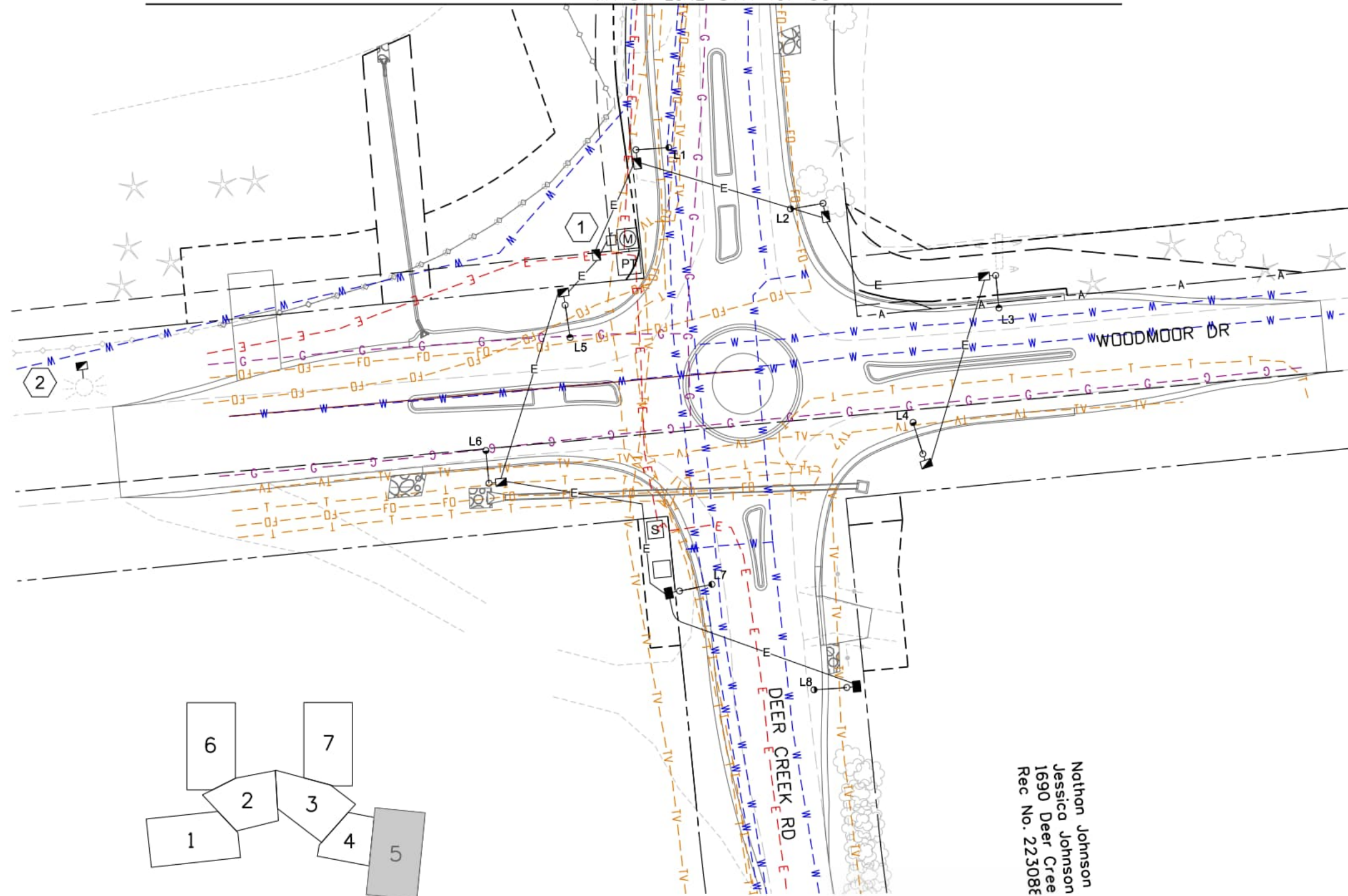


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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
LIGHTING PLAN GENERAL	LIGHTING 1 of 4 Sheet Number 151



MATCH LINE STA 417+00

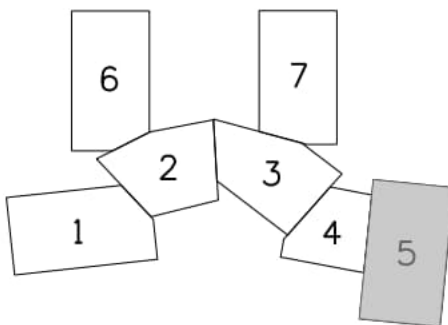


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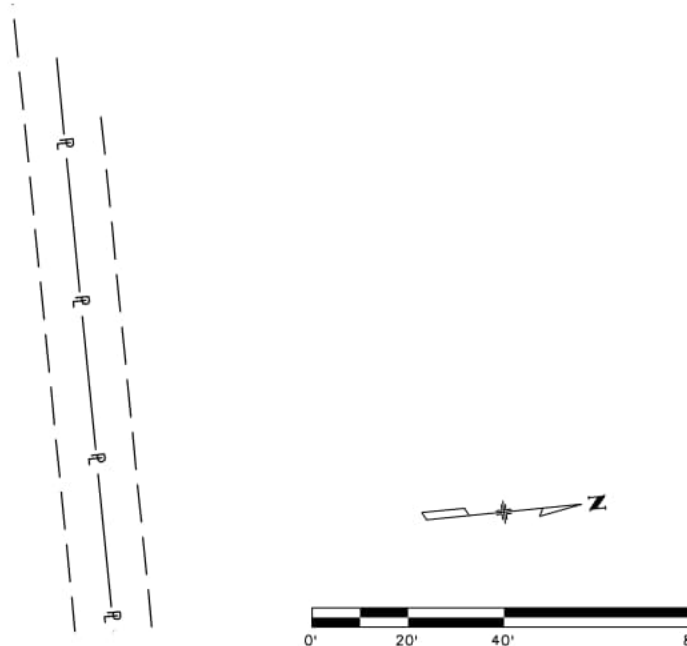
- COORDINATE ROADWAY LIGHTING FOUNDATIONS WITH EXISTING SERVICES IN EACH LOCATION. ROADWAY LIGHTING FOUNDATIONS SHOULD BE SET BACK 6FT MIN FROM BACK OF CURB OR EDGE OF PAVEMENT.
- BURIED CONDUIT TO BE 30" UNDER GROUND MIN, 48" UNDER ROADWAY. RED DETECTABLE 6" WIDE WARNING TAPE SHALL BE PLACED ABOVE BURIED CONDUIT 6" MIN-12" MAX BELOW FINISHED GRADE. COORDINATE BURIED CONDUIT ROUTING WITH EXISTING SERVICES WHILE BURYING UNDERGROUND CONDUIT OR BORING OPERATIONS.

KEY NOTES:

- THE LOCATION OF MVEA-OWNED UTILITY EQUIPMENT IS CONTINGENT UPON THE FINALIZATION OF MVEA'S DESIGN PLANS FOR THE RELOCATION AND/OR INSTALLATION OF THEIR EQUIPMENT. CONNECTION TO THEIR EQUIPMENT SHALL BE EXECUTED AT THE LOCATIONS WHERE THE EQUIPMENT IS ULTIMATELY INSTALLED.
- ABANDONED SCHOOL ZONE SPEED LIMIT SIGN POLE. REMOVE ABANDONED POLE AND INSTALL NEW TYPE 2 PULL BOX IN SAME LOCATION.



Nathan Johnson
 Jessica Johnson
 1690 Deer Cree
 Rec No. 22308E



SamuelsonM 10:28:41 AM pw:\oeocom-no-pw.bentley.com\AECOM_USA_Colorado\Documents\60673398-Deer Creek Rd\900-CAD\06-SHEETS\11-Lighting\02_Lighting_Plan

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File Name: 02_Lighting_Plan.dgn	
Last Modification Date: 2/9/2026	
Designer: BT0 Detailer: BT0 Checker: MWD	
11x17 Scale: 1" = 40' Units: Survey Feet	

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Date:	Comments	Init.

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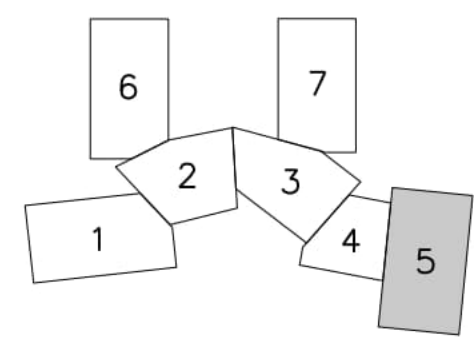
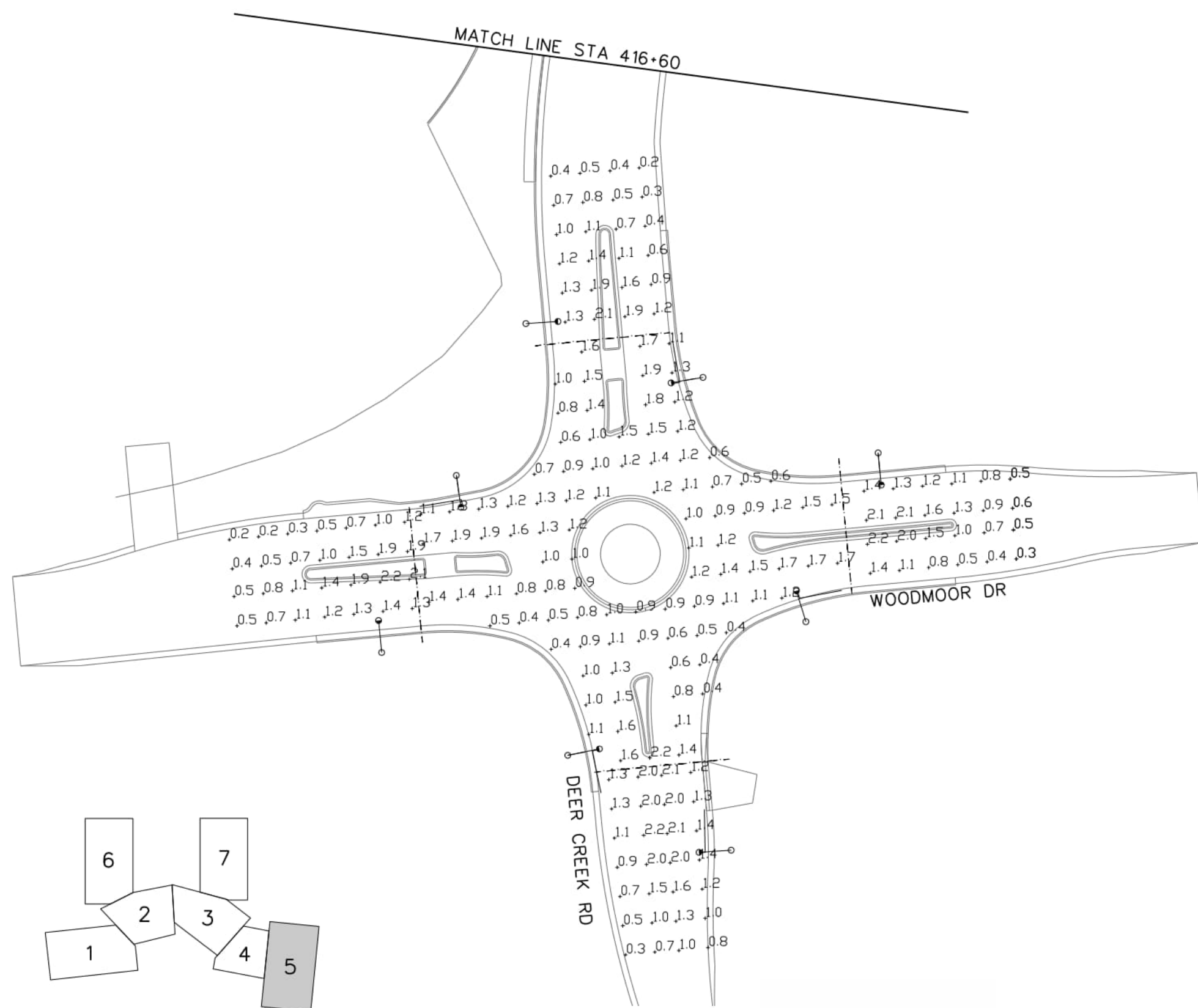
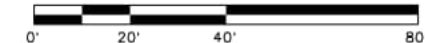
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
LIGHTING PLAN STA 417+00 TO 420+20	LIGHTING 2 of 4 Sheet Number 152



- GENERAL NOTES:**
- PHOTOMETRIC DATA FOR CENTRAL ROUNDABOUT MEET LIGHTING CRITERIA WITHIN CDOT LIGHTING DESIGN GUIDELINES FOR COLLECTOR/COLLECTOR INTERSECTING ROADS CONDITIONS AND AVERAGE ILLUMINANCE WITH MINIMAL PEDESTRIAN ACTIVITY.

CENTRAL	
Average	1.1 fc
Maximum	2.2 fc
Minimum	0.3 fc
Max/Min	7.3:1
Average/Min	3.7:1
EAST ENTRANCE	
Average	1.2 fc
Maximum	2.1 fc
Minimum	0.5 fc
Max/Min	4.2:1
Average/Min	2.4:1
EAST EXIT	
Average	0.9 fc
Maximum	2.1 fc
Minimum	0.2 fc
Max/Min	10.5:1
Average/Min	4.5:1
NORTH ENTRANCE	
Average	1.2 fc
Maximum	2.0 fc
Minimum	0.5 fc
Max/Min	4.0:1
Average/Min	2.4:1
NORTH EXIT	
Average	0.8 fc
Maximum	2.0 fc
Minimum	0.1 fc
Max/Min	20.0:1
Average/Min	8.0:1
SOUTH ENTRANCE	
Average	1.4 fc
Maximum	2.1 fc
Minimum	0.9 fc
Max/Min	2.3:1
Average/Min	1.6:1
SOUTH EXIT	
Average	1.2 fc
Maximum	2.1 fc
Minimum	0.4 fc
Max/Min	5.3:1
Average/Min	3.0:1
WEST ENTRANCE	
Average	1.2 fc
Maximum	2.0 fc
Minimum	0.4 fc
Max/Min	5.0:1
Average/Min	3.0:1
WEST EXIT	
Average	0.7 fc
Maximum	1.8 fc
Minimum	0.1 fc
Max/Min	18.0:1
Average/Min	7.0:1

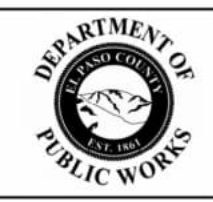


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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
LIGHTING PLAN CALCULATIONS	LIGHTING 3 of 4 Sheet Number 153

GENERAL NOTES:

1. THESE CONSTRUCTION PHASING PLANS ARE CONCEPTUAL AND ARE SHOWN FOR INFORMATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING A METHOD TO CONSTRUCT THE PROJECT THAT SATISFIES THE CRITERIA SPECIFIED IN THE PROJECT SPECIFICATIONS.
2. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL AN MHT AND DETOUR PLANS SHOWING TRAFFIC LANES, AND SIGNAGE FOR ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN ALL TEMPORARY TRAFFIC CONTROL DEVICES NECESSARY TO IMPLEMENT THE PLAN. ALL WORK AND DEVICES REQUIRED TO COMPLETE THESE TASKS SHALL BE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC CONTROL DEVICES ITEM 630-10005.
3. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN IN SAFE CONDITION ACCESS TO ALL BUSINESS AND RESIDENCES ADJACENT TO THE PROJECT. THE CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND TENANTS PRIOR TO ANY CHANGE IN ACCESS. ACCESS MUST ACCOMMODATE EMERGENCY VEHICLES AT ALL TIMES. THE CONTRACTOR SHALL AT NO TIME IMPEDE DELIVERY TRUCK ACCESS TO BUSINESSES.
4. THE CONTRACTOR SHALL REMAIN IN COMMUNICATION WITH ALL PROPERTY OWNERS IMPACTED BY THE PROJECT FOR THE DURATION OF CONSTRUCTION.
5. ALL WORK MUST BE COMPLETED WITHIN EL PASO COUNTY RIGHT-OF-WAY AND EASEMENTS. TEMPORARY SHORING MAY BE REQUIRED TO CONTAIN CONSTRUCTION ACTIVITY. TEMPORARY SHORING WILL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF WORK.
6. TABULATION OF TEMPORARY TRAFFIC CONTROL IS SHOWN FOR INFORMATION ONLY AND MAY NOT CONTAIN ALL OF THE ITEMS NECESSARY TO COMPLETE THE WORK.
7. CDDT TRAFFIC CONTROLS T.A #17, 19, 24, AND 34 AND MUTCD TYPICAL APPLICATIONS 8 AND 12 WERE USED TO ESTIMATE TRAFFIC CONTROL QUANTITIES.
8. CHANNELIZING DRUMS/CONES SHALL BE SPACED ACCORDING TO COUNTY AND MUTCD REQUIREMENTS.
9. REMOVAL OF DETOUR PAVEMENT IS INCLUDED IN THE COST OF DETOUR PAVEMENT. ALL DETOUR PAVEMENT SHALL BE REMOVED.
10. IMPACT ATTENUATOR (TEMPORARY) AND CONCRETE BARRIER (TEMPORARY) ARE ASSUMED TO BE REUSED IN ALL PHASES.
11. ONE PORTABLE MESSAGE SIGN IS ASSUMED IN EACH DIRECTION ON DEER CREEK ROAD AND WOODMOOR DRIVE THROUGHOUT THE PROJECT AS WELL AS ONE PORTABLE MESSAGE SIGN ON MONUMENT HILL ROAD.
12. THE MINIMUM WORK ZONE SPEED LIMIT IS 20 MPH ON DEER CREEK ROAD, WOODMOOR DRIVE, MICROSCOPE WAY, AND BASE CAMP ROAD.
13. DETOUR PAVEMENT SHALL BE A MINIMUM OF 4" THICK AS APPROVED BY THE ENGINEER. DETOUR PAVEMENT SHALL BE PLACED PRIOR TO PHASE 1 IN ORDER TO ENSURE 11' TRAVELED WIDTH WITH 2' SHOULDERS. DETOUR PAVEMENT SHALL BE PLACED IN THE SPLITTER ISLANDS AND ROUNDABOUT CENTRAL ISLAND IN THE CONSTRUCTION PHASES AS DIRECTED.



TABULATION OF TEMPORARY TRAFFIC CONTROL (FOR INFORMATION ONLY)

	DETOUR PAVEMENT		FLAGGING		DRUM CHANNELIZING DEVICE		TRAFFIC CONE		BARRIER (TEMPORARY)		IMPACT ATTENUATOR (TEMPORARY)		BARRICADE (TYPE 3 M-A) (TEMPORARY)		CONSTRUCTION TRAFFIC SIGN (PANEL SIZE A)		CONSTRUCTION TRAFFIC SIGN (PANEL SIZE B)		CONSTRUCTION TRAFFIC SIGN (SPECIAL)		TRAFFIC SIGNAL (TEMPORARY)	
	TON		HR		EA		EA		LF		EA		EA		EA		EA		SF		EA	
	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC	PLAN	AC
PROJECT TOTAL	101		2,000		100		200		1,700		4		4		82		16		500		4	

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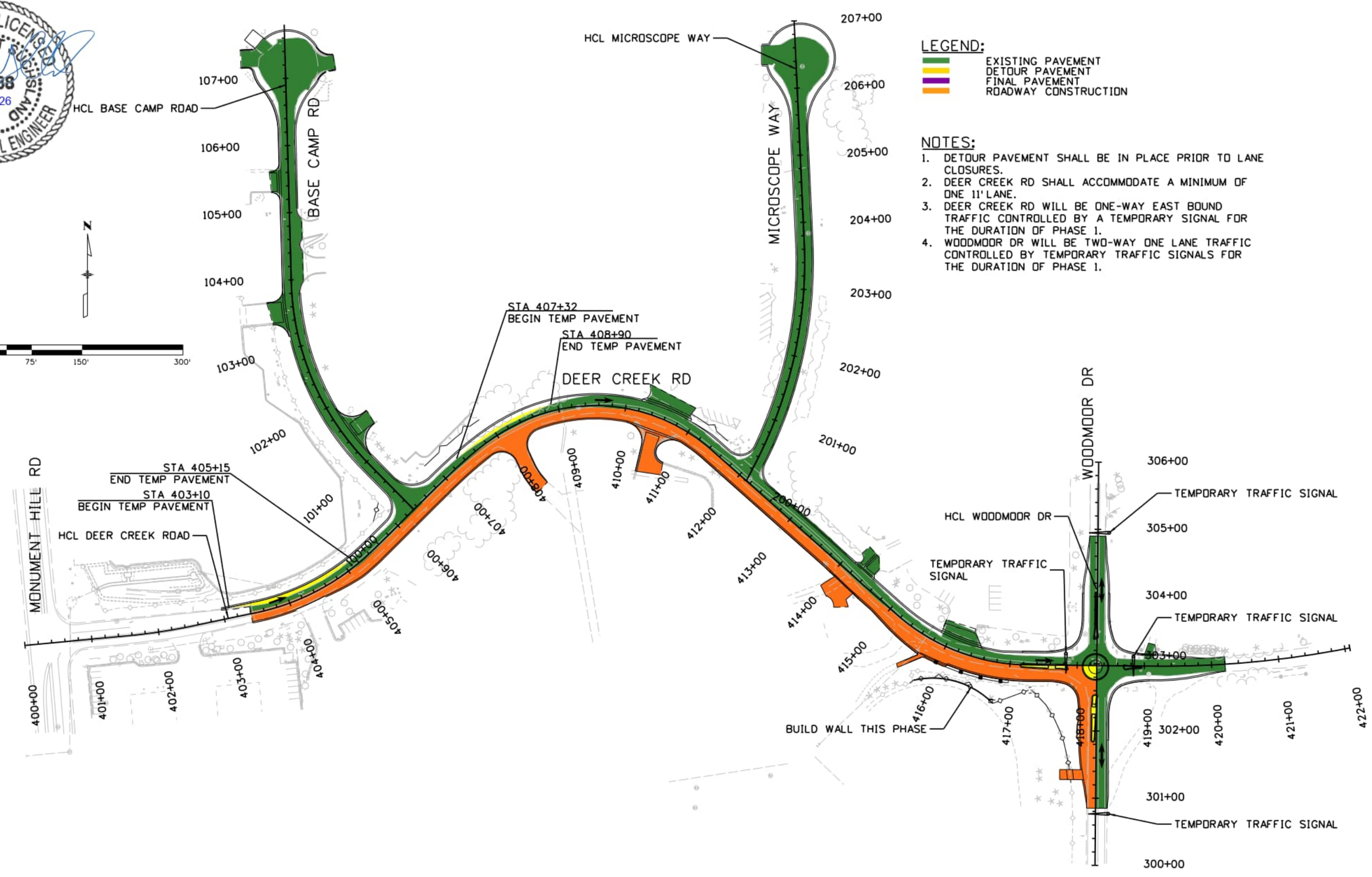
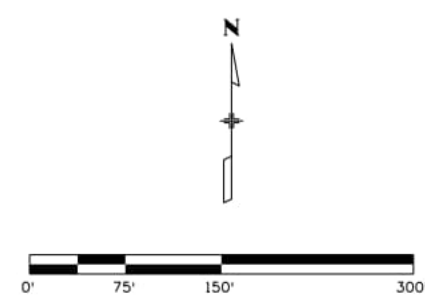
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CONSTRUCTION PHASING NOTES	MOT 1 of 6
	Sheet Number 155



LEGEND:
 [Green Box] EXISTING PAVEMENT
 [Yellow Box] DETOUR PAVEMENT
 [Orange Box] FINAL PAVEMENT
 [Red Box] ROADWAY CONSTRUCTION

NOTES:
 1. DETOUR PAVEMENT SHALL BE IN PLACE PRIOR TO LANE CLOSURES.
 2. DEER CREEK RD SHALL ACCOMMODATE A MINIMUM OF ONE 11' LANE.
 3. DEER CREEK RD WILL BE ONE-WAY EAST BOUND TRAFFIC CONTROLLED BY A TEMPORARY SIGNAL FOR THE DURATION OF PHASE 1.
 4. WOODMOOR DR WILL BE TWO-WAY ONE LANE TRAFFIC CONTROLLED BY TEMPORARY TRAFFIC SIGNALS FOR THE DURATION OF PHASE 1.

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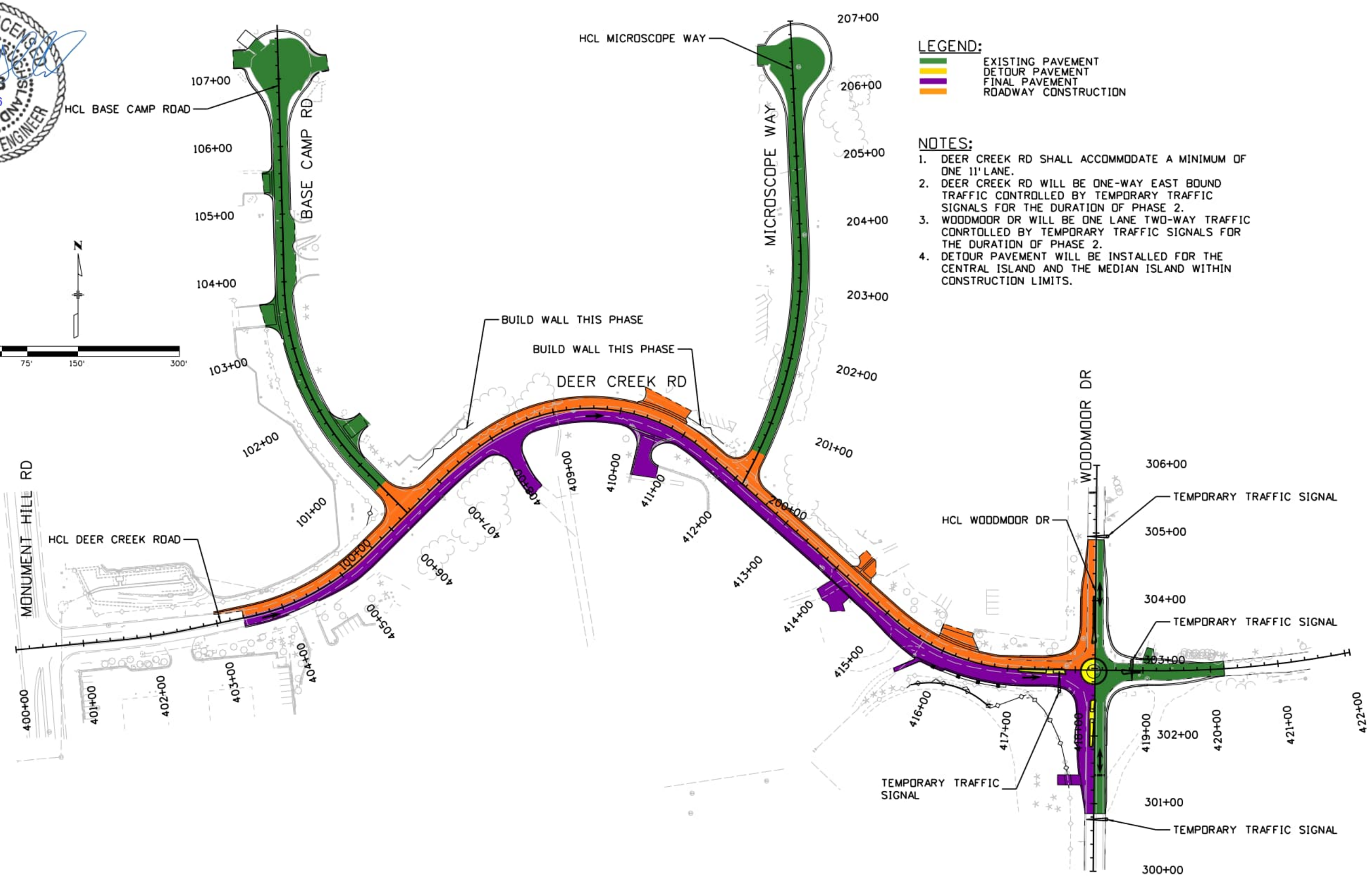
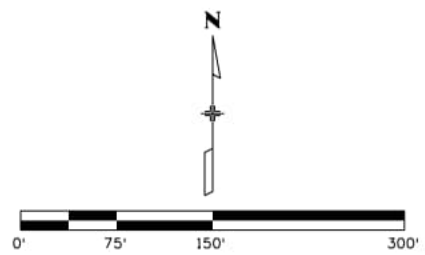
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CONSTRUCTION PHASING PHASE 1	MDT 2 of 6 Sheet Number 156



LEGEND:
 [Green Box] EXISTING PAVEMENT
 [Purple Box] DETOUR PAVEMENT
 [Orange Box] FINAL PAVEMENT
 [Yellow Box] ROADWAY CONSTRUCTION

NOTES:
 1. DEER CREEK RD SHALL ACCOMMODATE A MINIMUM OF ONE 11' LANE.
 2. DEER CREEK RD WILL BE ONE-WAY EAST BOUND TRAFFIC CONTROLLED BY TEMPORARY TRAFFIC SIGNALS FOR THE DURATION OF PHASE 2.
 3. WOODMOOR DR WILL BE ONE LANE TWO-WAY TRAFFIC CONTROLLED BY TEMPORARY TRAFFIC SIGNALS FOR THE DURATION OF PHASE 2.
 4. DETOUR PAVEMENT WILL BE INSTALLED FOR THE CENTRAL ISLAND AND THE MEDIAN ISLAND WITHIN CONSTRUCTION LIMITS.

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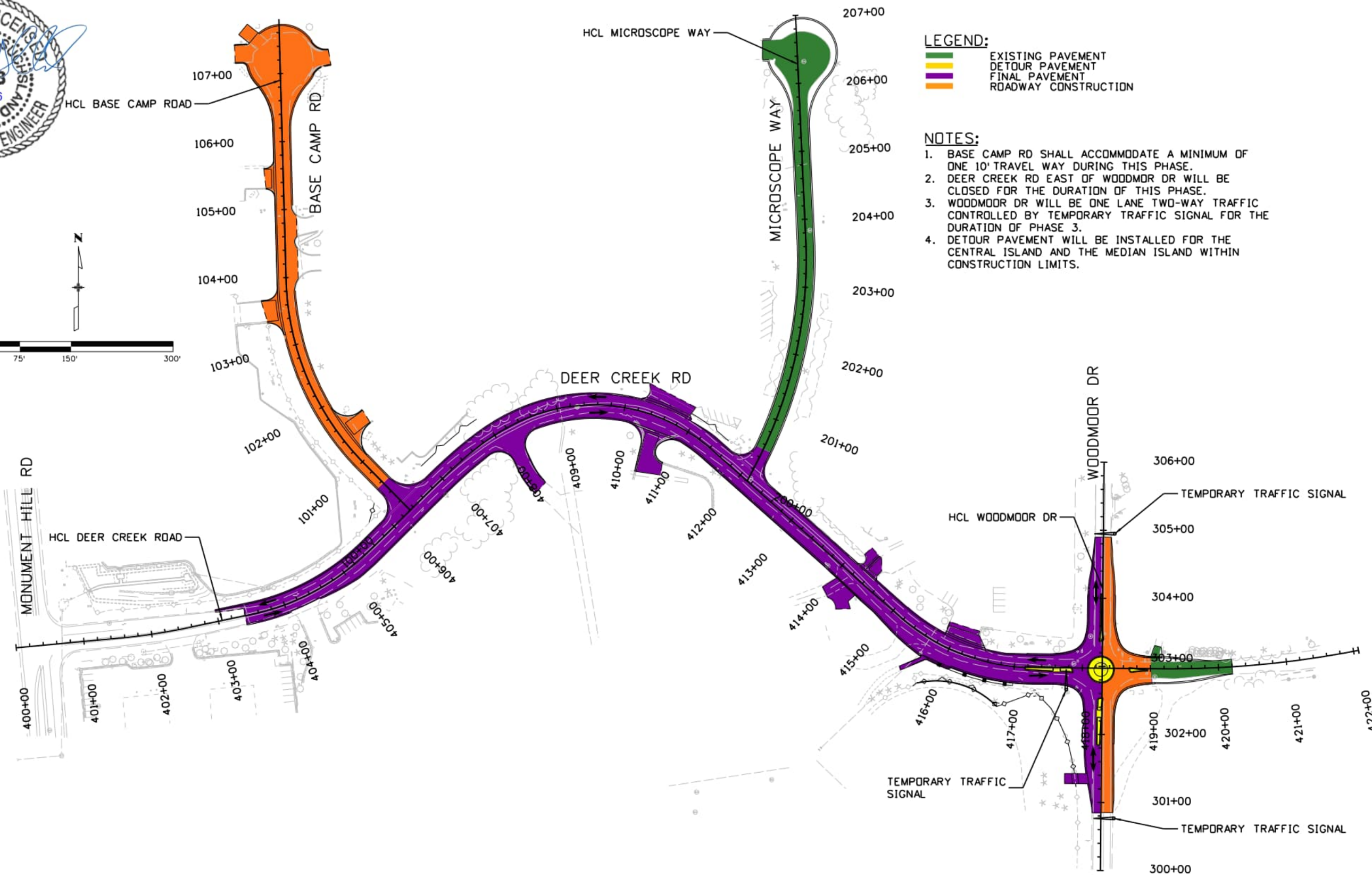
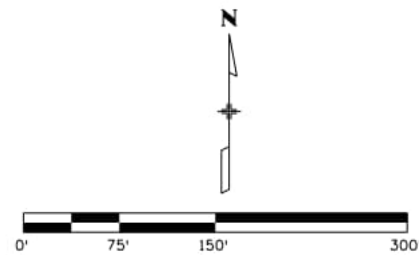
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CONSTRUCTION PHASING PHASE 2	MOT 3 of 6 Sheet Number 157



LEGEND:
 [Green] EXISTING PAVEMENT
 [Yellow] DETOUR PAVEMENT
 [Purple] FINAL PAVEMENT
 [Orange] ROADWAY CONSTRUCTION

NOTES:
 1. BASE CAMP RD SHALL ACCOMMODATE A MINIMUM OF ONE 10' TRAVEL WAY DURING THIS PHASE.
 2. DEER CREEK RD EAST OF WOODMOR DR WILL BE CLOSED FOR THE DURATION OF THIS PHASE.
 3. WOODMOR DR WILL BE ONE LANE TWO-WAY TRAFFIC CONTROLLED BY TEMPORARY TRAFFIC SIGNAL FOR THE DURATION OF PHASE 3.
 4. DETOUR PAVEMENT WILL BE INSTALLED FOR THE CENTRAL ISLAND AND THE MEDIAN ISLAND WITHIN CONSTRUCTION LIMITS.

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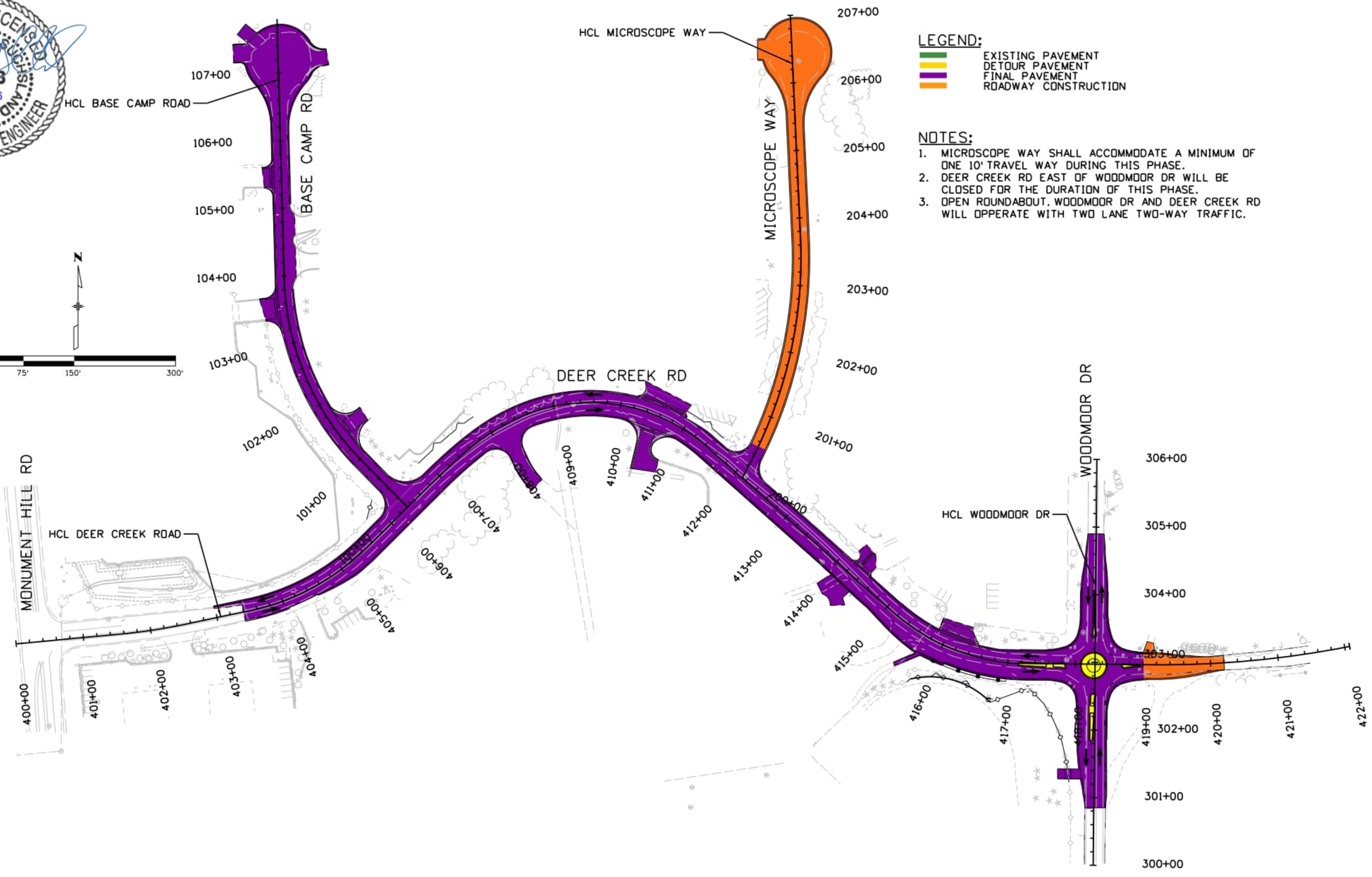
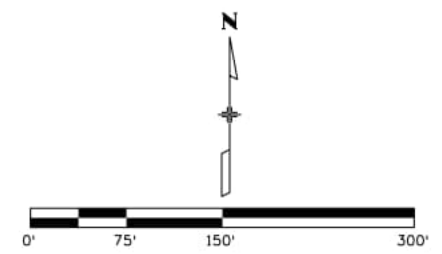
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CONSTRUCTION PHASING PHASE 3	MDT 4 of 6 Sheet Number 158



LEGEND:
 [Green line] EXISTING PAVEMENT
 [Yellow line] DETOUR PAVEMENT
 [Purple line] FINAL PAVEMENT
 [Orange line] ROADWAY CONSTRUCTION

NOTES:
 1. MICROSCOPE WAY SHALL ACCOMMODATE A MINIMUM OF ONE 10' TRAVEL WAY DURING THIS PHASE.
 2. DEER CREEK RD EAST OF WOODMOOR DR WILL BE CLOSED FOR THE DURATION OF THIS PHASE.
 3. OPEN ROUNDABOUT. WOODMOOR DR AND DEER CREEK RD WILL OPERATE WITH TWO LANE TWO-WAY TRAFFIC.

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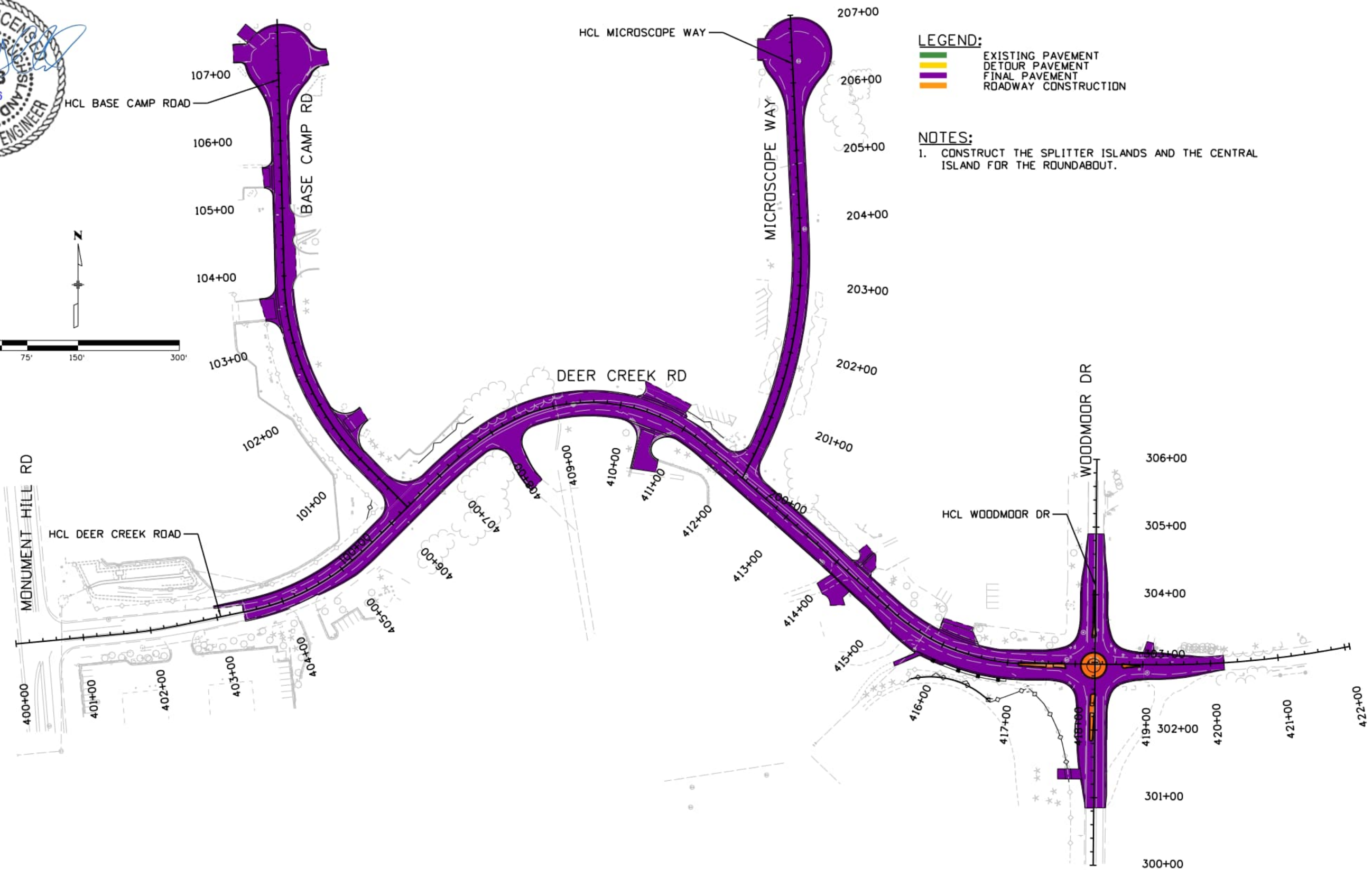
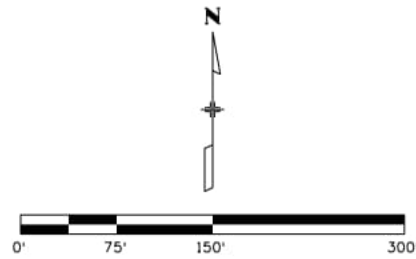
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CONSTRUCTION PHASING PHASE 4	MOT 5 of 6 Sheet Number 159



LEGEND:
 [Green Line] EXISTING PAVEMENT
 [Yellow Line] DETOUR PAVEMENT
 [Purple Line] FINAL PAVEMENT
 [Orange Line] ROADWAY CONSTRUCTION

NOTES:
 1. CONSTRUCT THE SPLITTER ISLANDS AND THE CENTRAL ISLAND FOR THE ROUNDABOUT.

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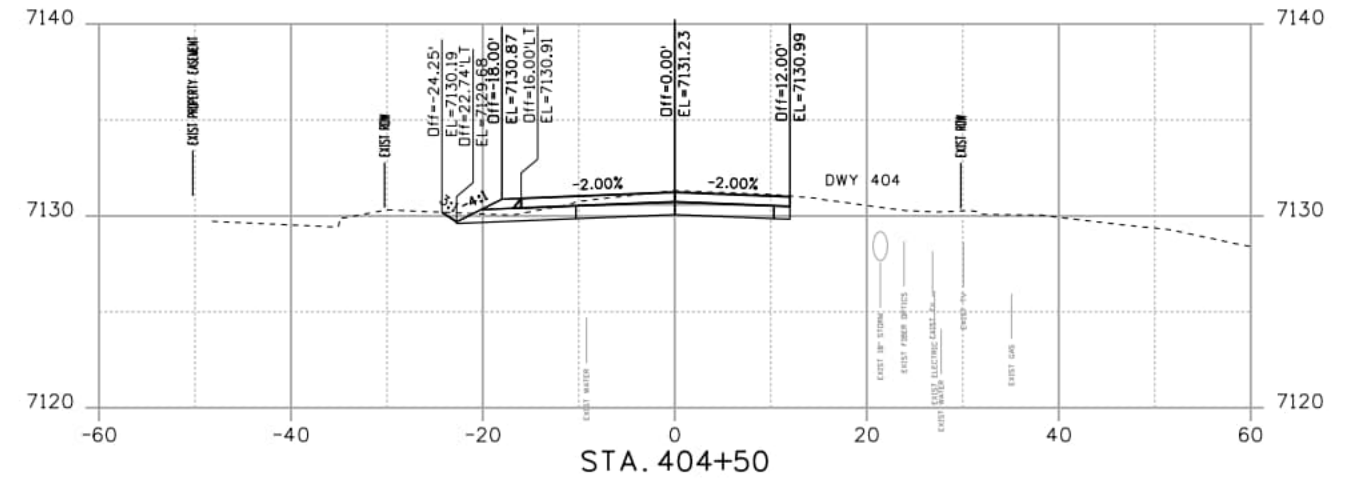
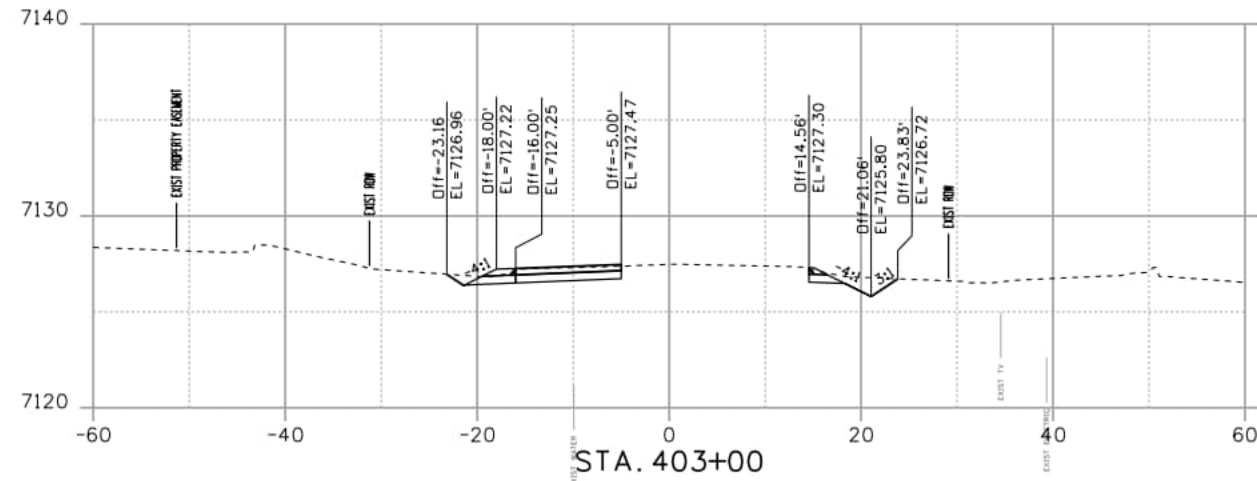
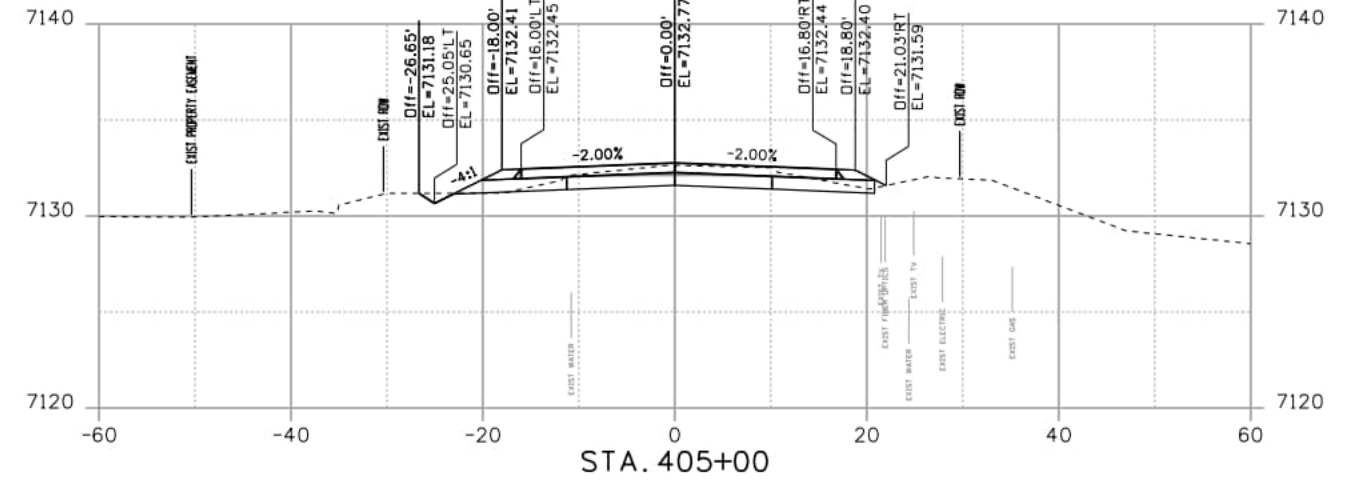
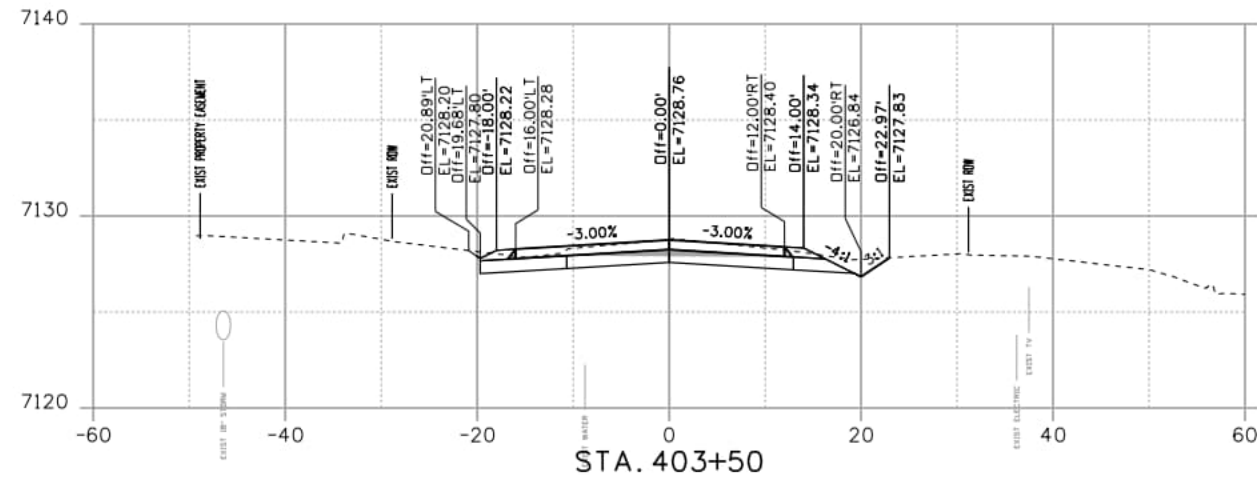
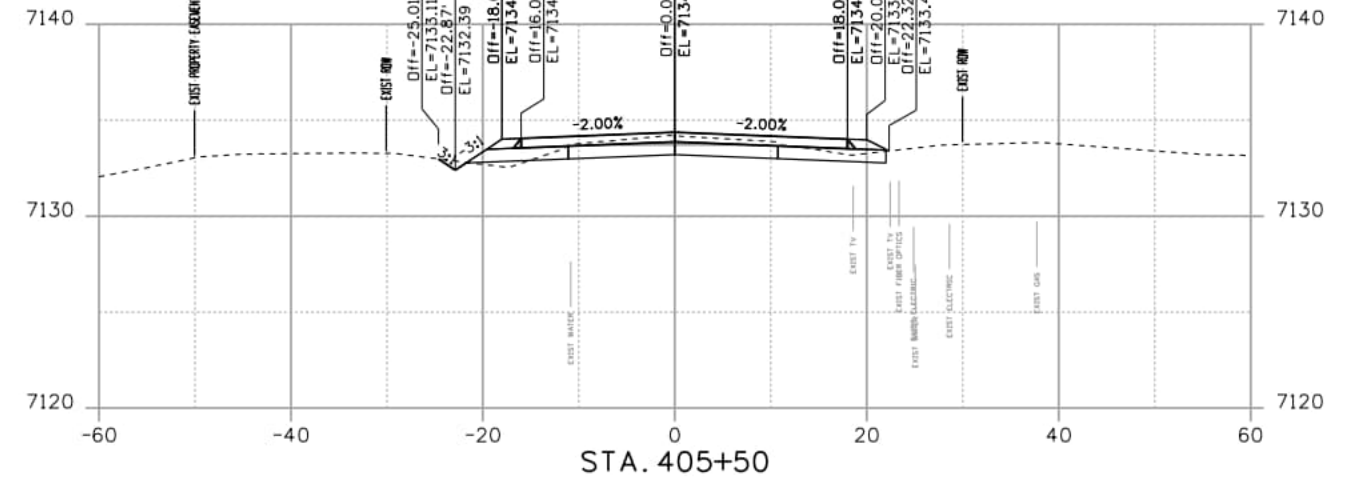
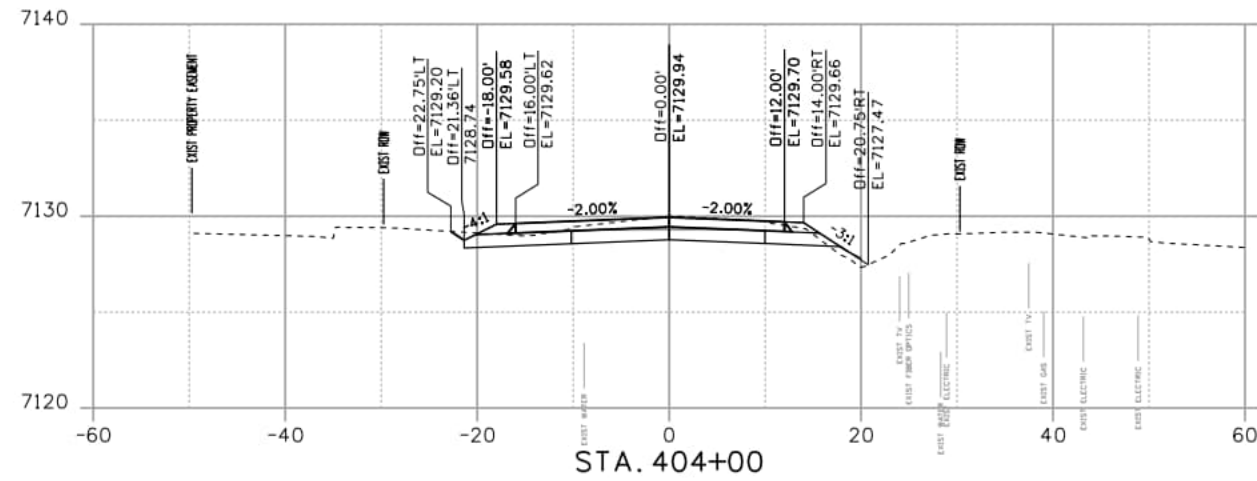
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CONSTRUCTION PHASING PHASE 5	MOT 6 of 6 Sheet Number 160

NOTE: ROADWAY CROSS SECTIONS ARE SHOWN FOR INFORMATION ONLY. CONSTRUCTED PROFILES AND CROSS SLOPES SHALL MATCH THOSE SHOWN IN ROADWAY PROFILE PLAN SHEETS.



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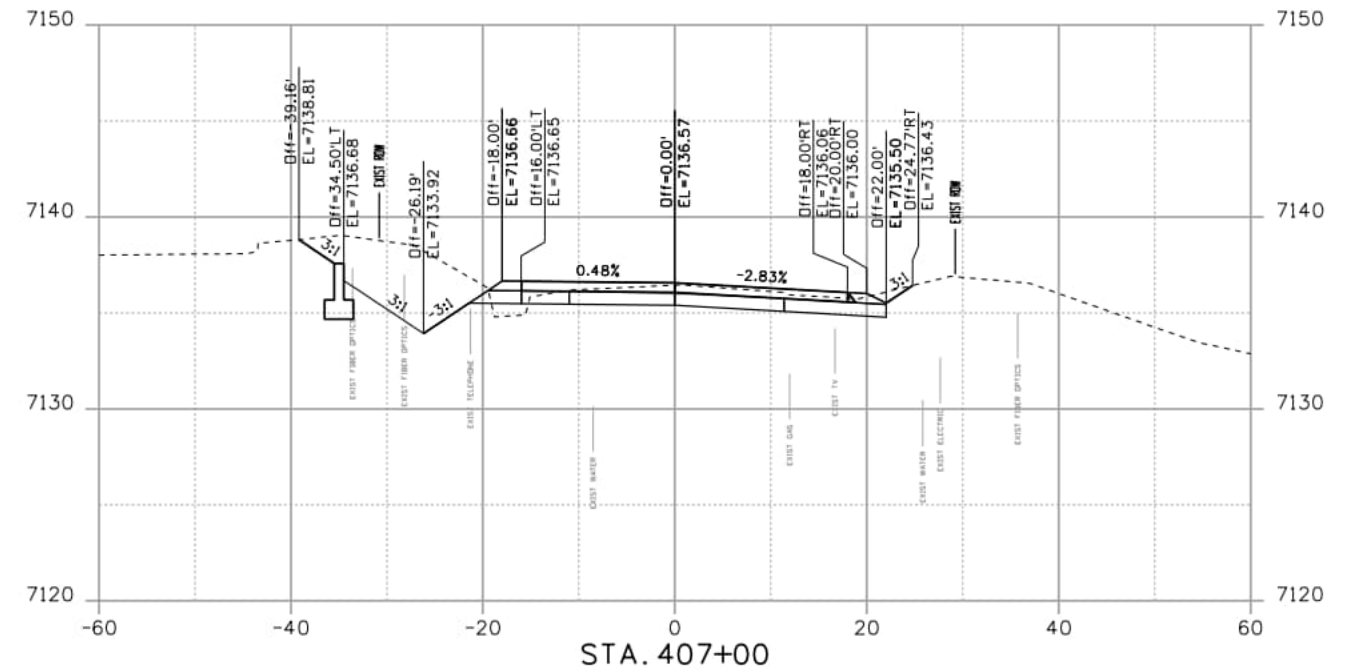
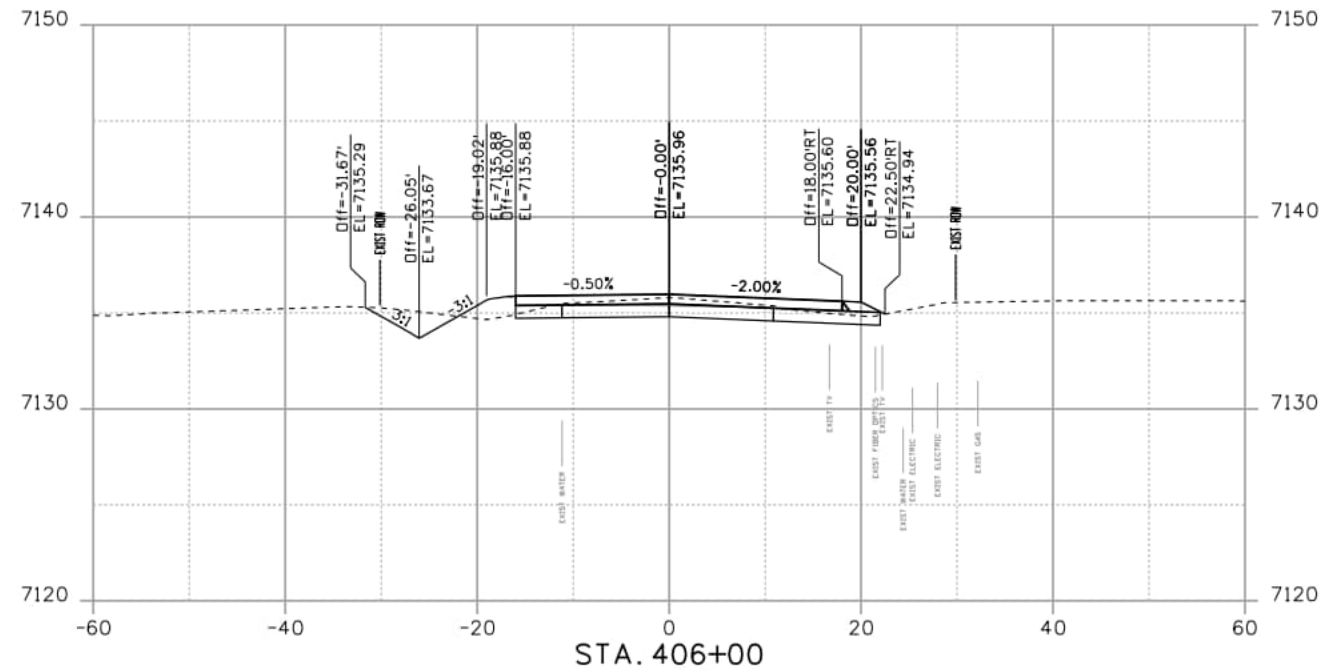
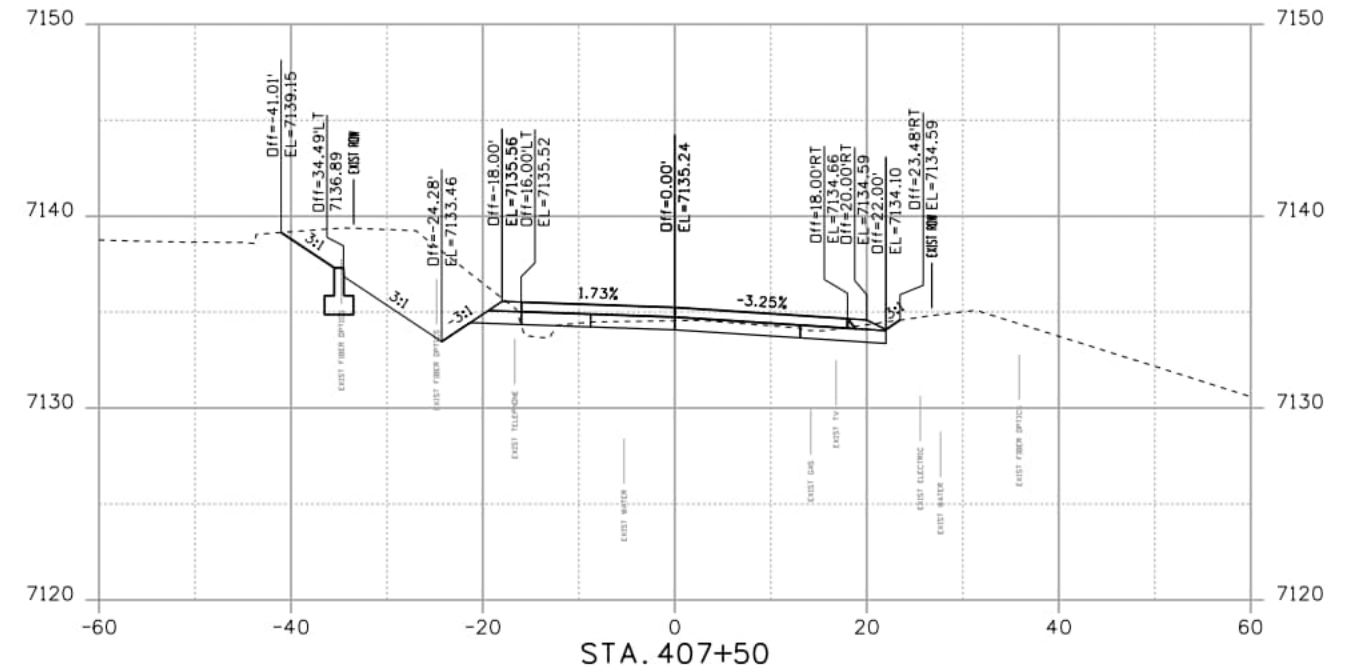
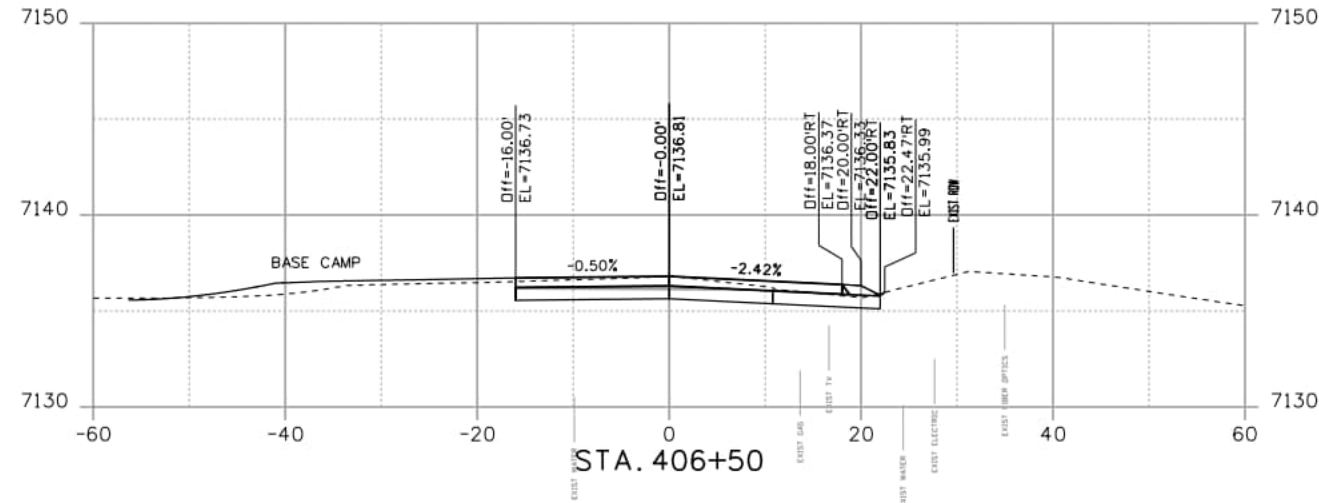
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CROSS SECTIONS STA.403+00 TO STA.405+50	XSECTIONS 1 of 17
	Sheet Number 161

NOTE: ROADWAY CROSS SECTIONS ARE SHOWN FOR INFORMATION ONLY. CONSTRUCTED PROFILES AND CROSS SLOPES SHALL MATCH THOSE SHOWN IN ROADWAY PROFILE PLAN SHEETS.



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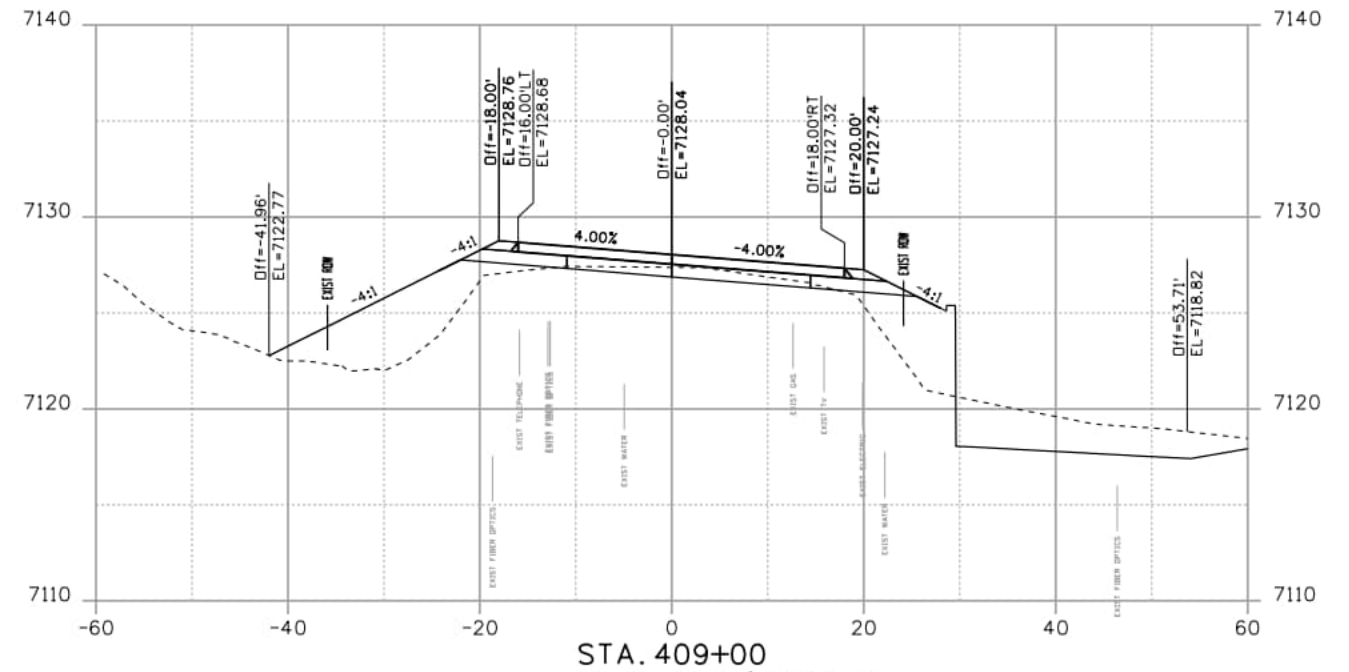
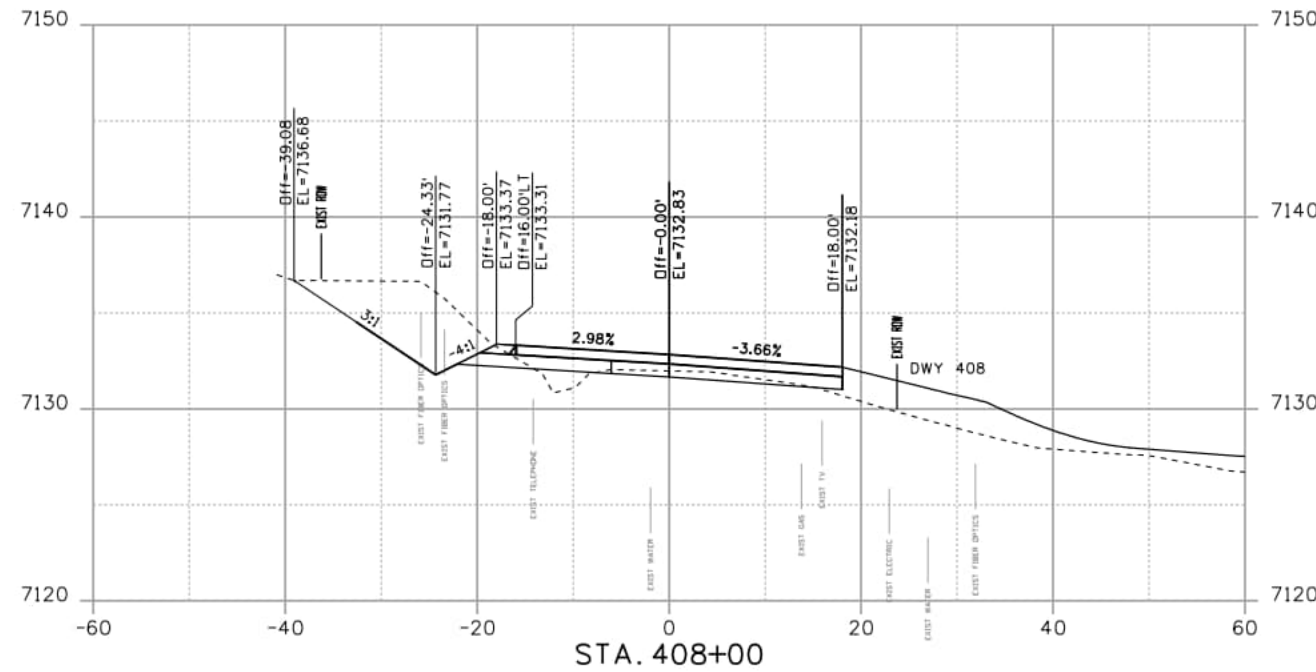
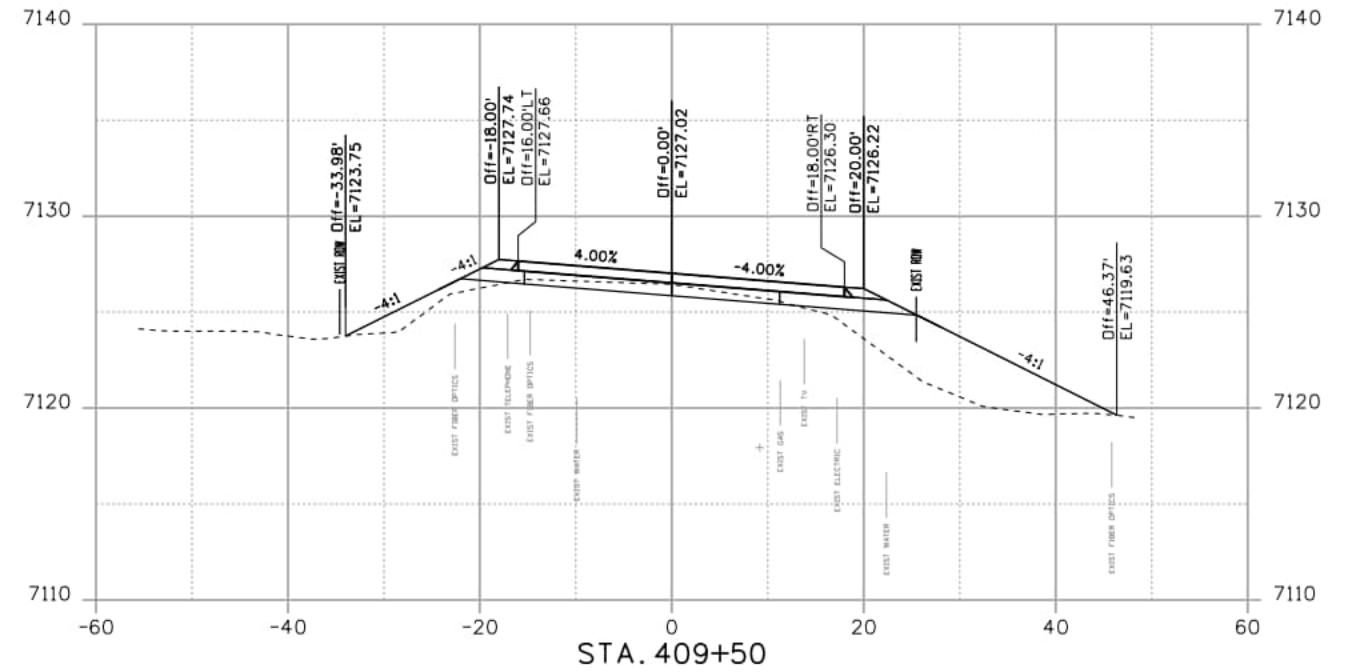
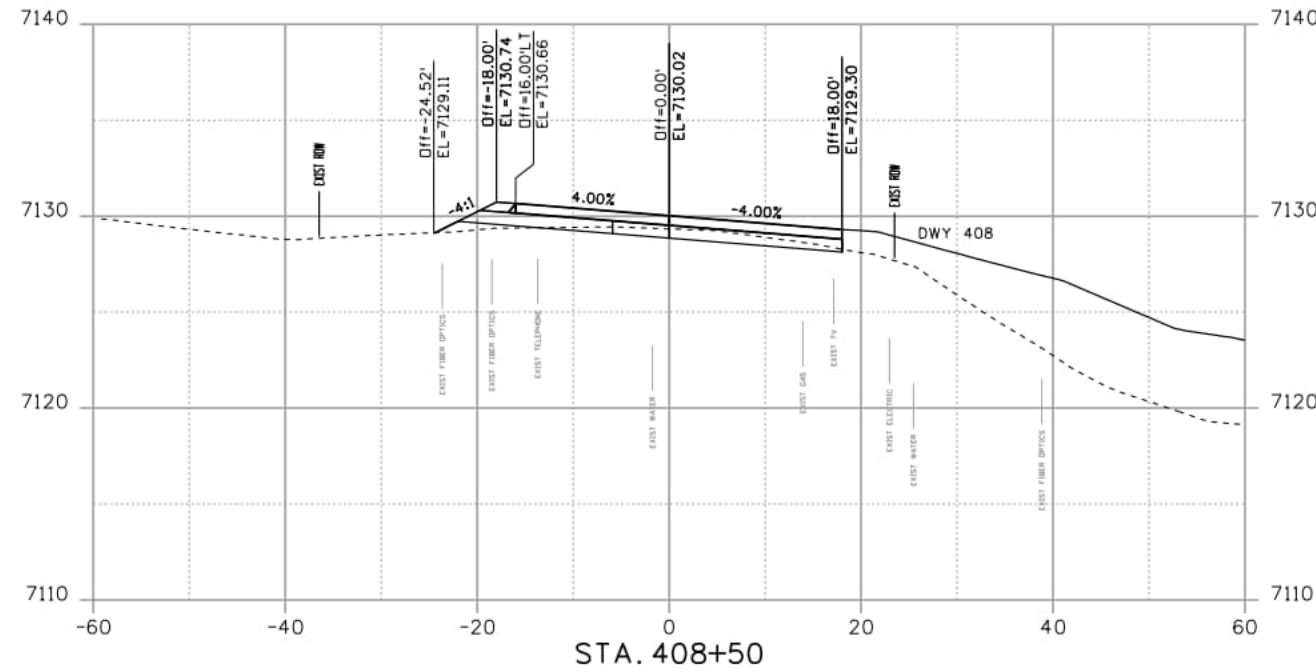
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CROSS SECTIONS STA.406+00 TO STA.407+50	XSECTIONS 2 of 17
	Sheet Number 162

NOTE: ROADWAY CROSS SECTIONS ARE SHOWN FOR INFORMATION ONLY. CONSTRUCTED PROFILES AND CROSS SLOPES SHALL MATCH THOSE SHOWN IN ROADWAY PROFILE PLAN SHEETS.



NOTE: REFER TO DRAINAGE & GRADING PLAN TO SEE EXISTING AND PROPOSED DRAINAGE

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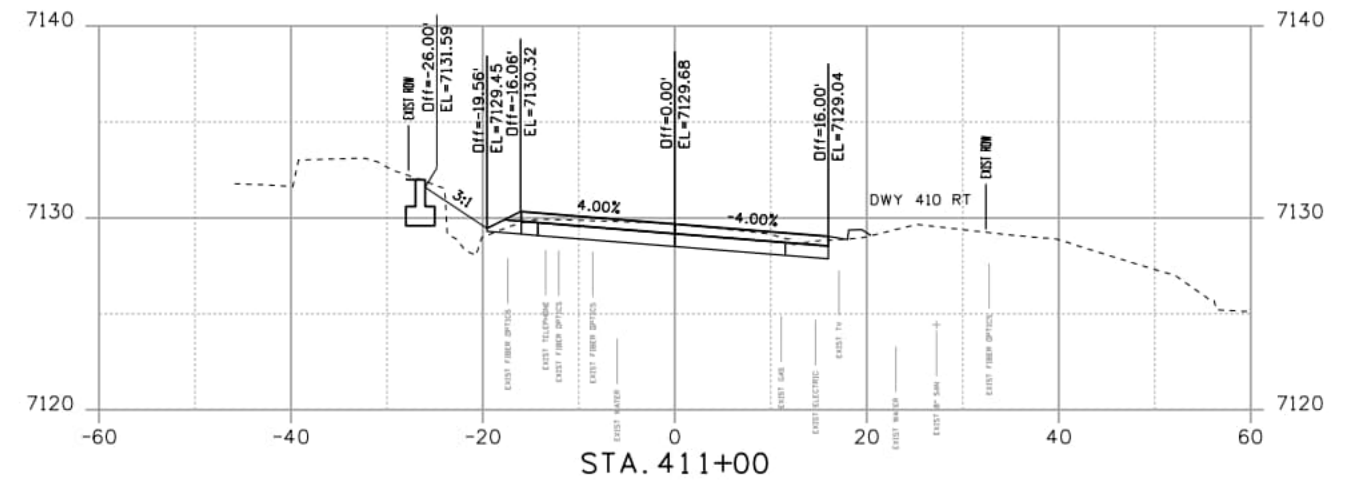
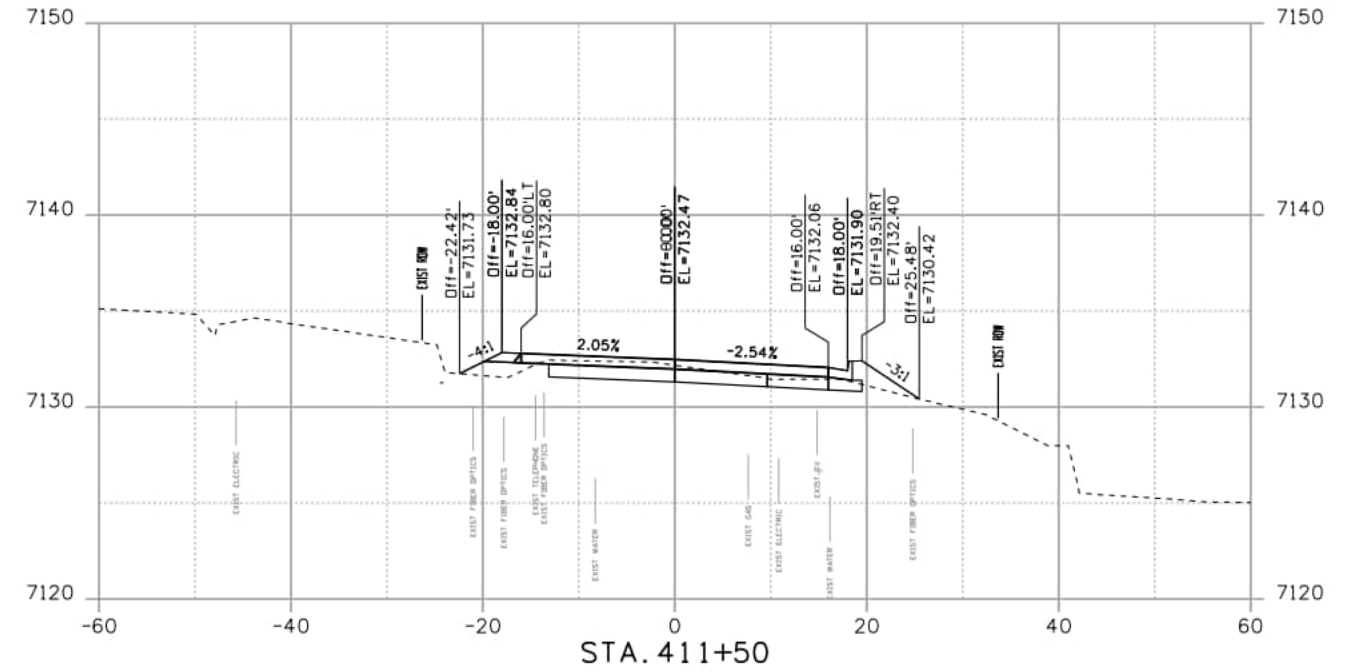
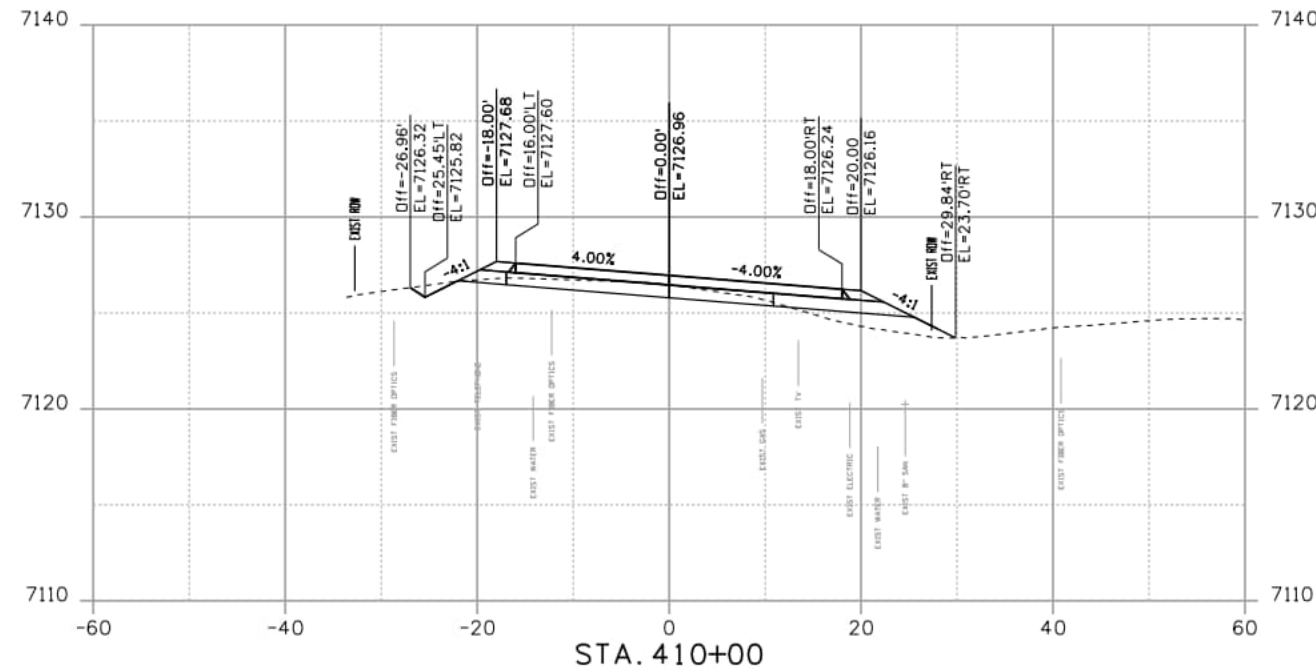
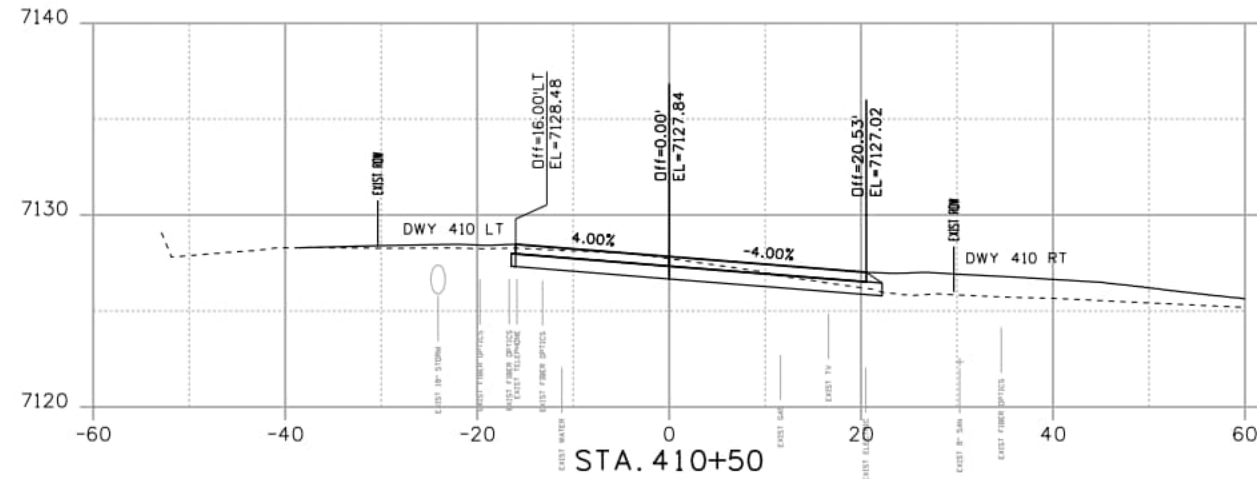
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CROSS SECTIONS STA.408+00 TO STA.409+50	XSECTIONS 3 of 17
	Sheet Number 163

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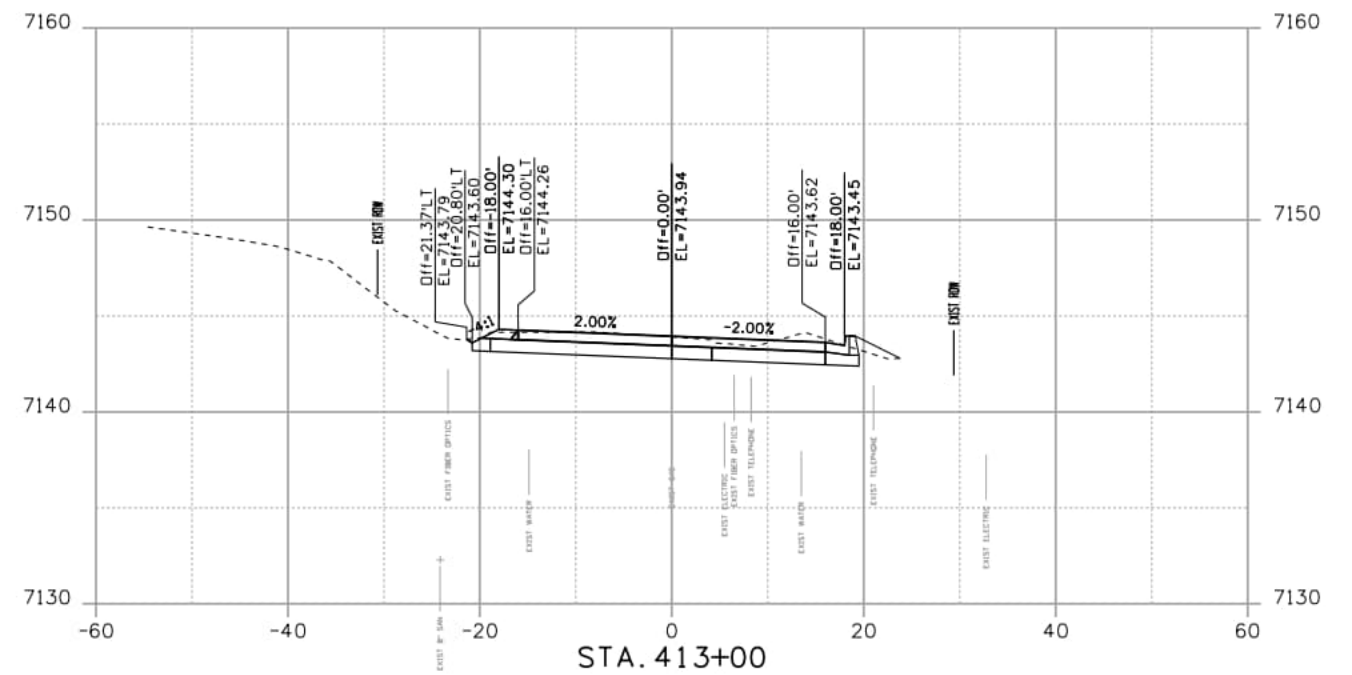
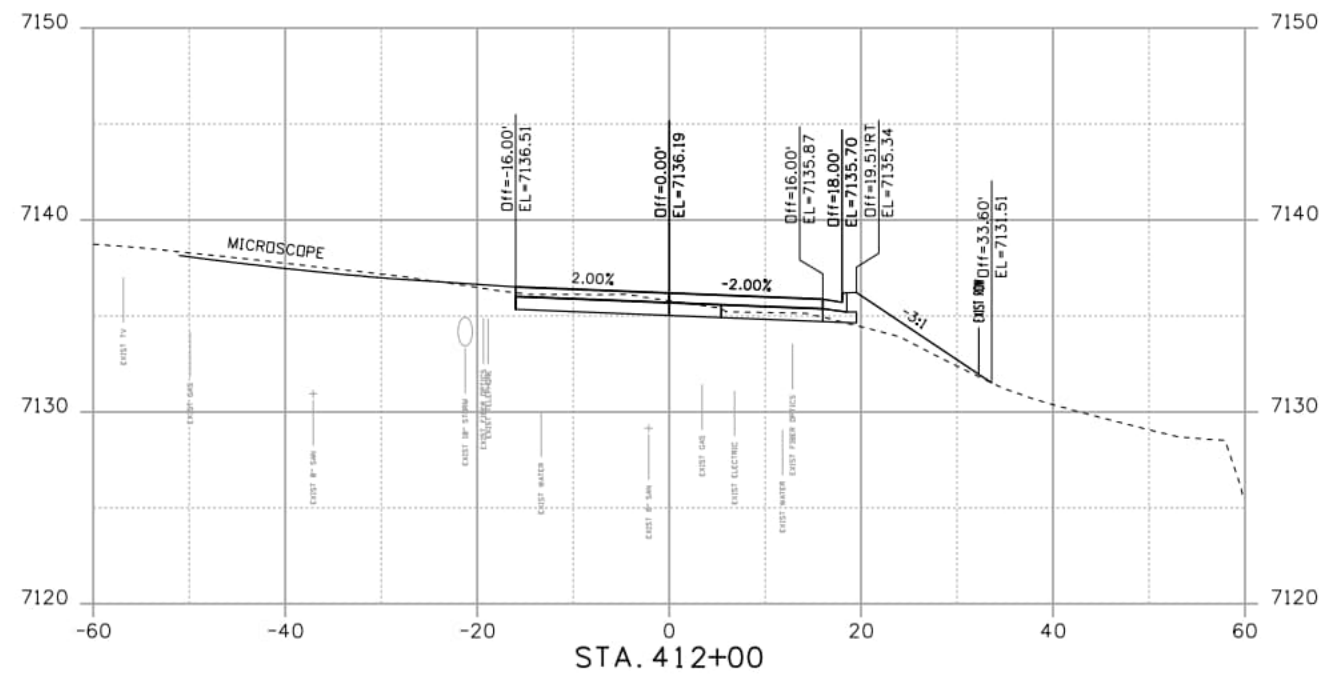
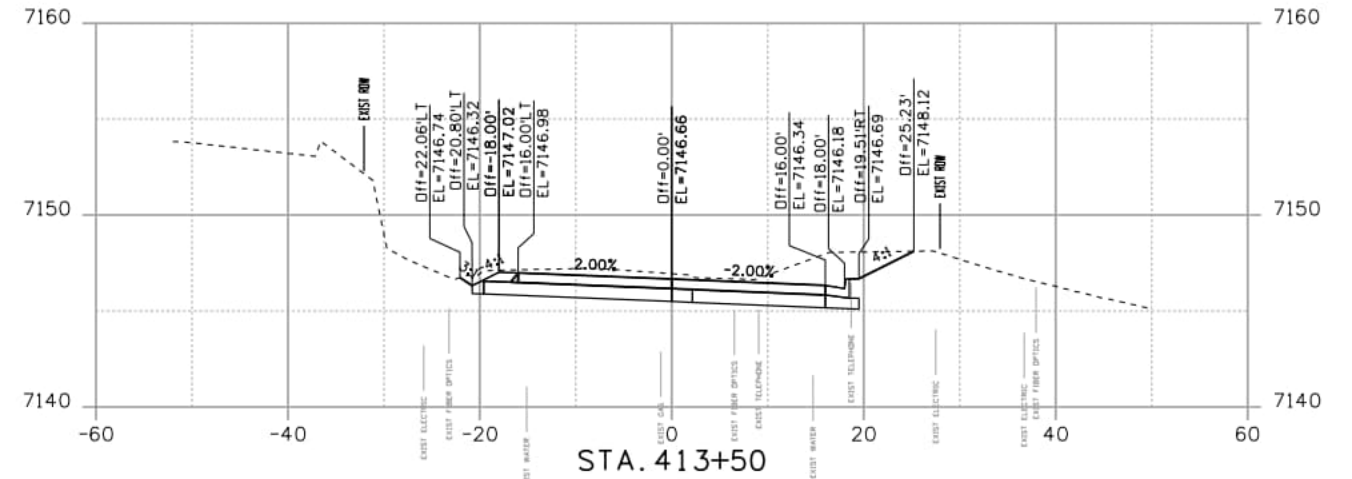
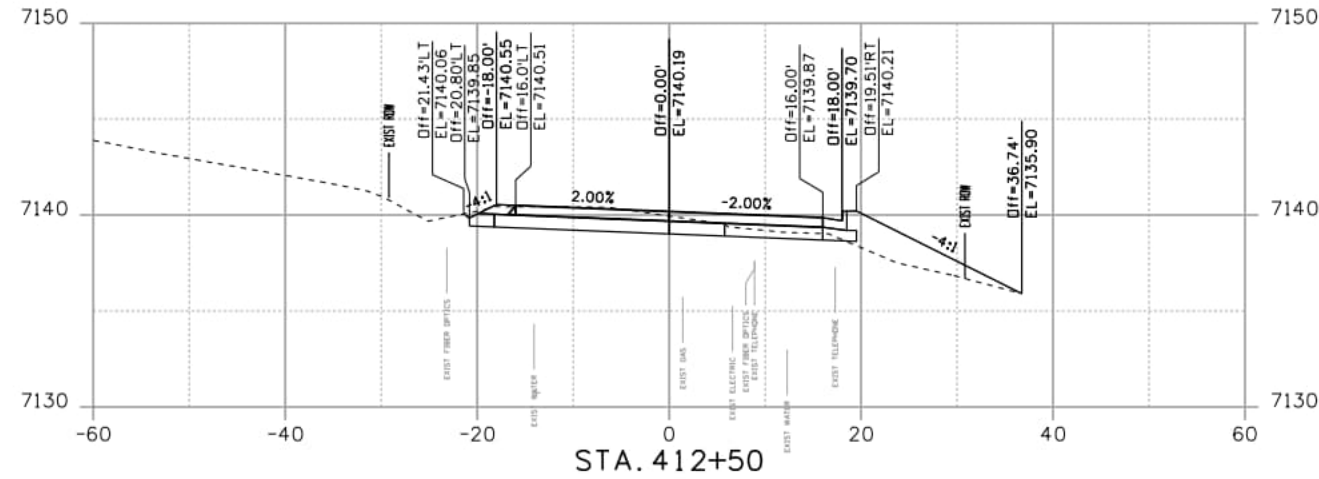
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CROSS SECTIONS STA. 410+00 TO STA. 411+50	XSECTIONS 4 of 17
	Sheet Number 164

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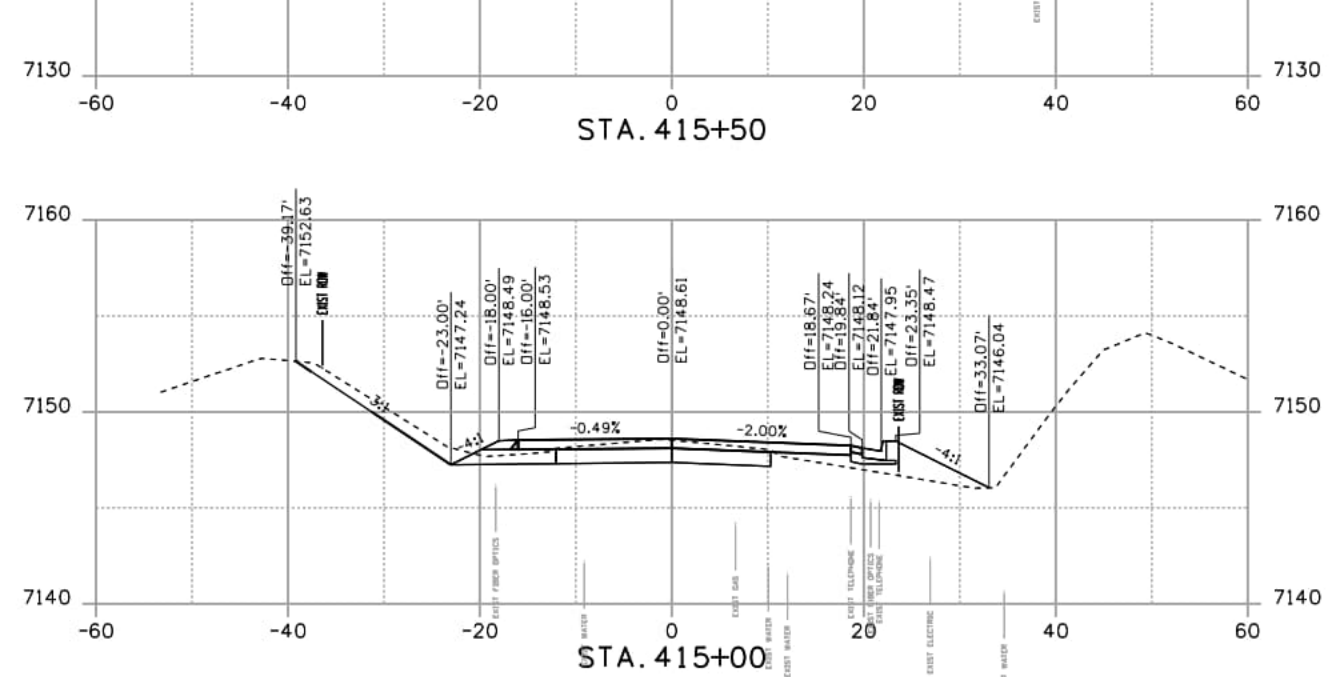
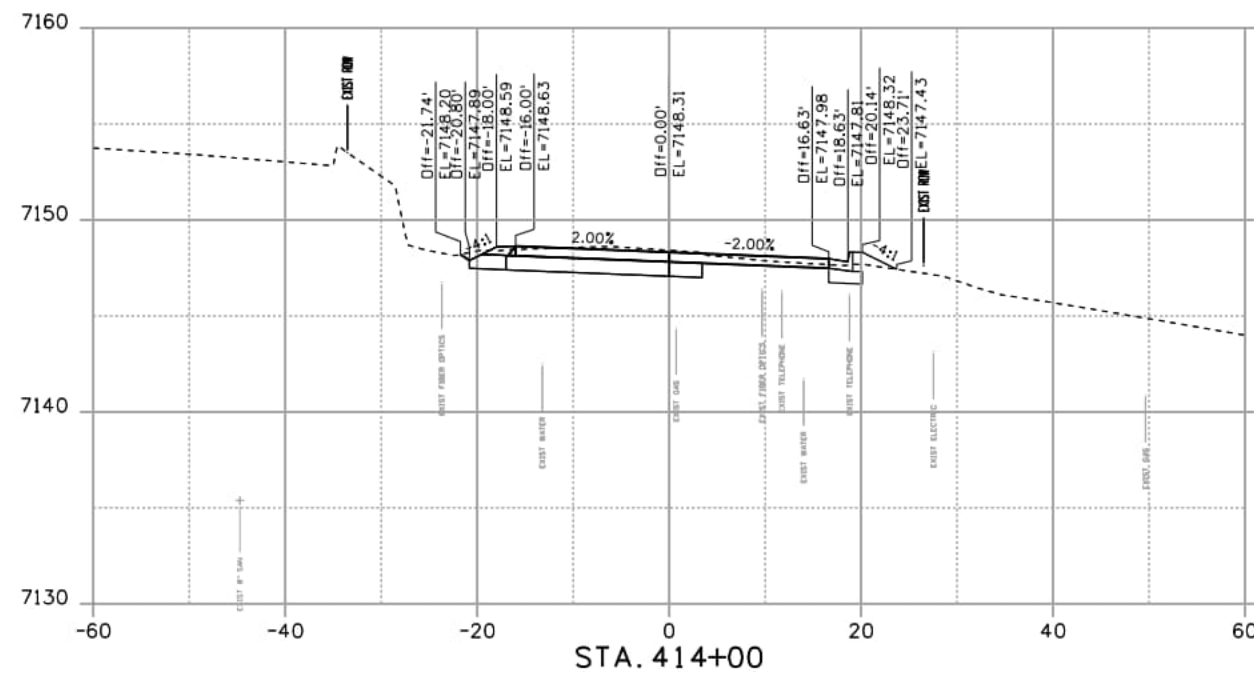
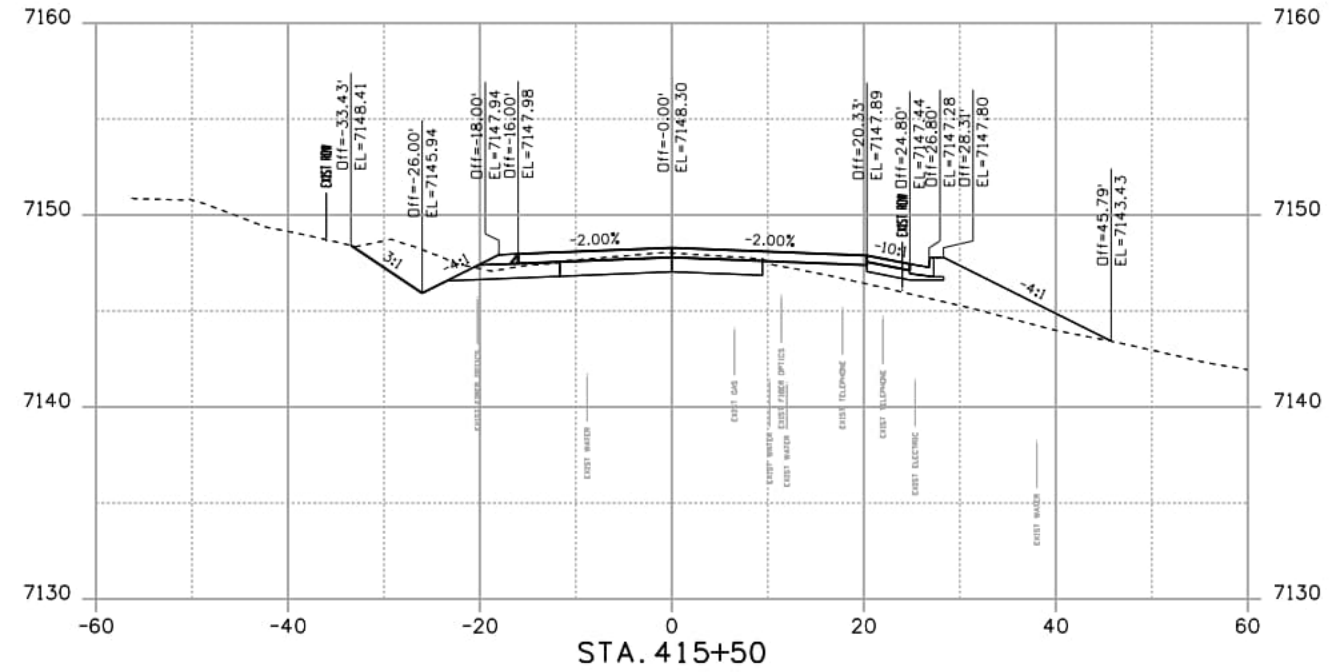
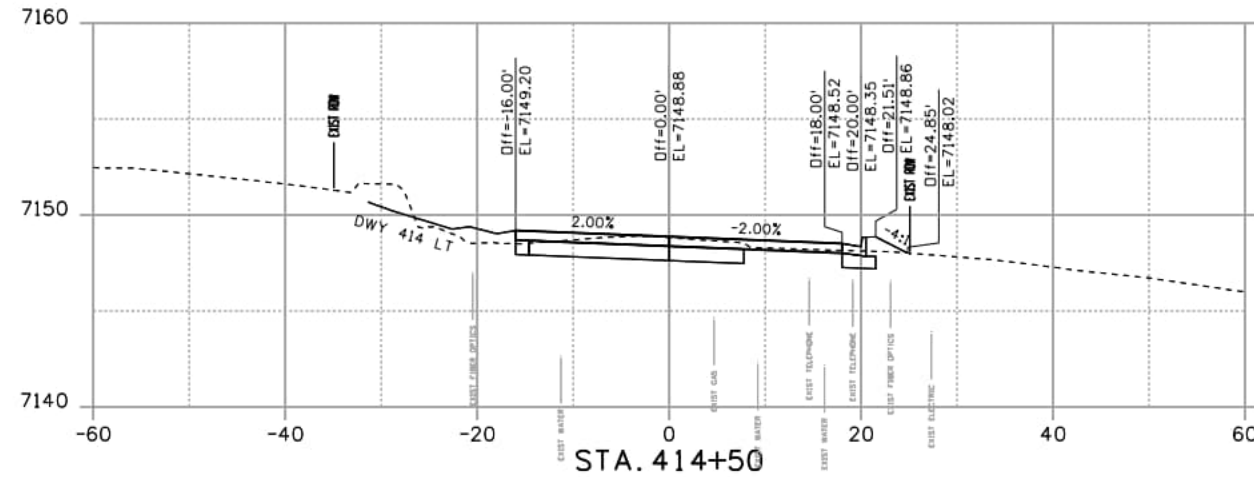
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CROSS SECTIONS STA.412+00 TO STA.413+50	XSECTIONS 5 of 17
	Sheet Number 165

NOTE: ROADWAY CROSS SECTIONS ARE SHOWN FOR INFORMATION ONLY. CONSTRUCTED PROFILES AND CROSS SLOPES SHALL MATCH THOSE SHOWN IN ROADWAY PROFILE PLAN SHEETS.



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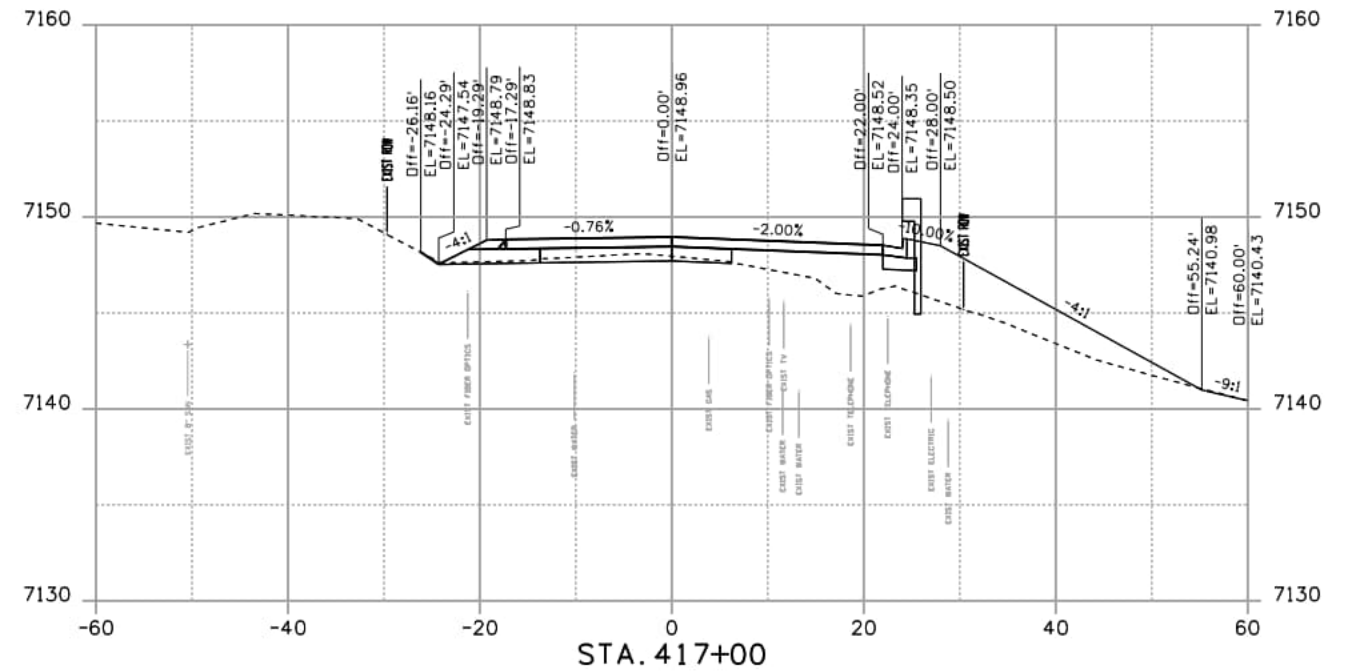
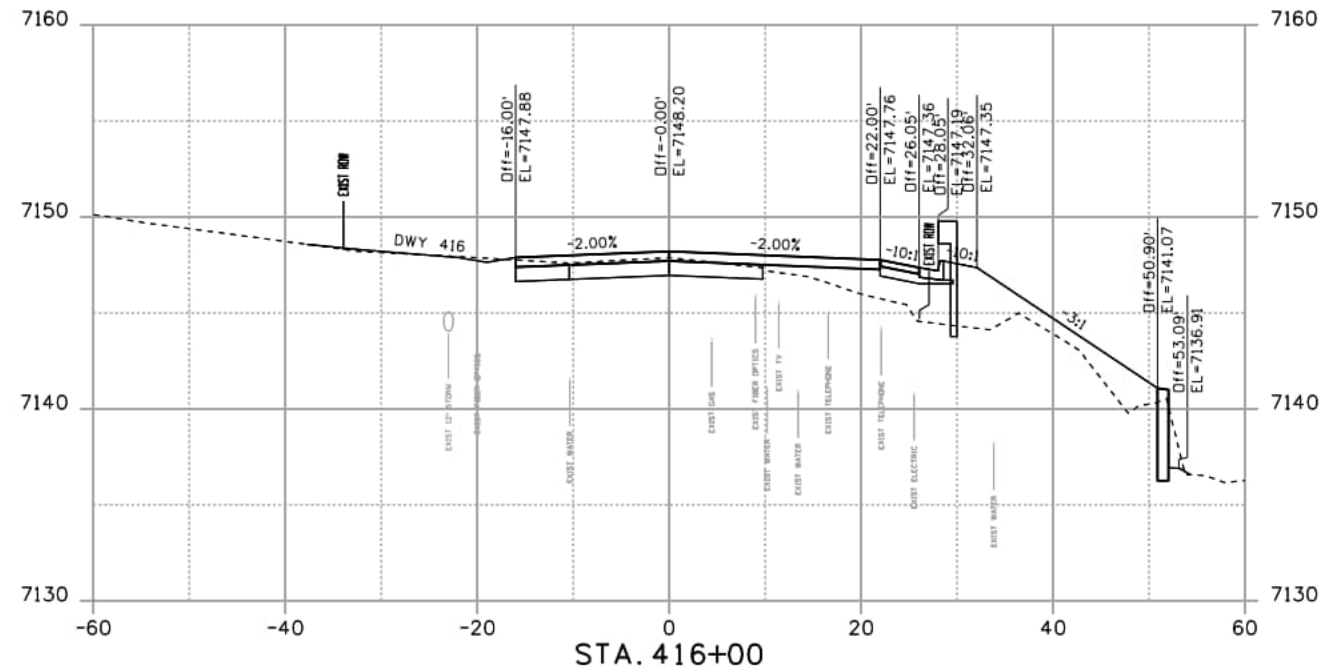
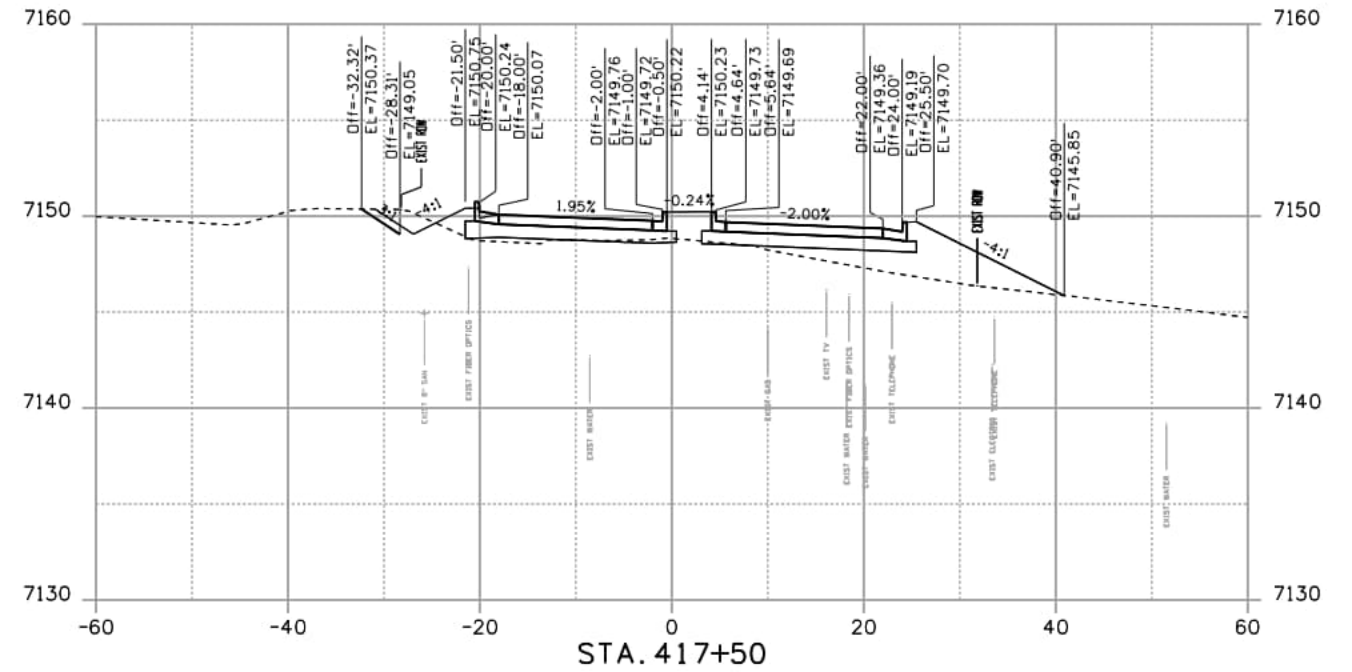
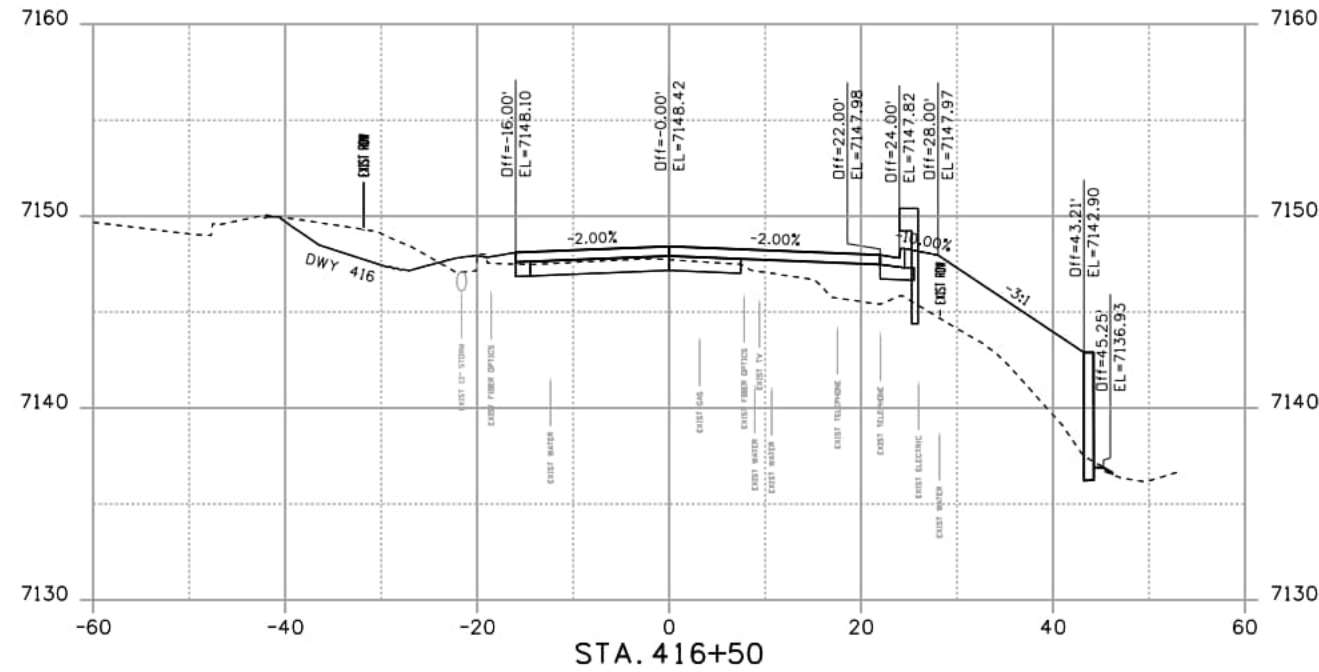
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CROSS SECTIONS STA.414+00 TO STA.415+50	XSECTIONS 6 of 17
	Sheet Number 166

NOTE: ROADWAY CROSS SECTIONS ARE SHOWN FOR INFORMATION ONLY. CONSTRUCTED PROFILES AND CROSS SLOPES SHALL MATCH THOSE SHOWN IN ROADWAY PROFILE PLAN SHEETS.



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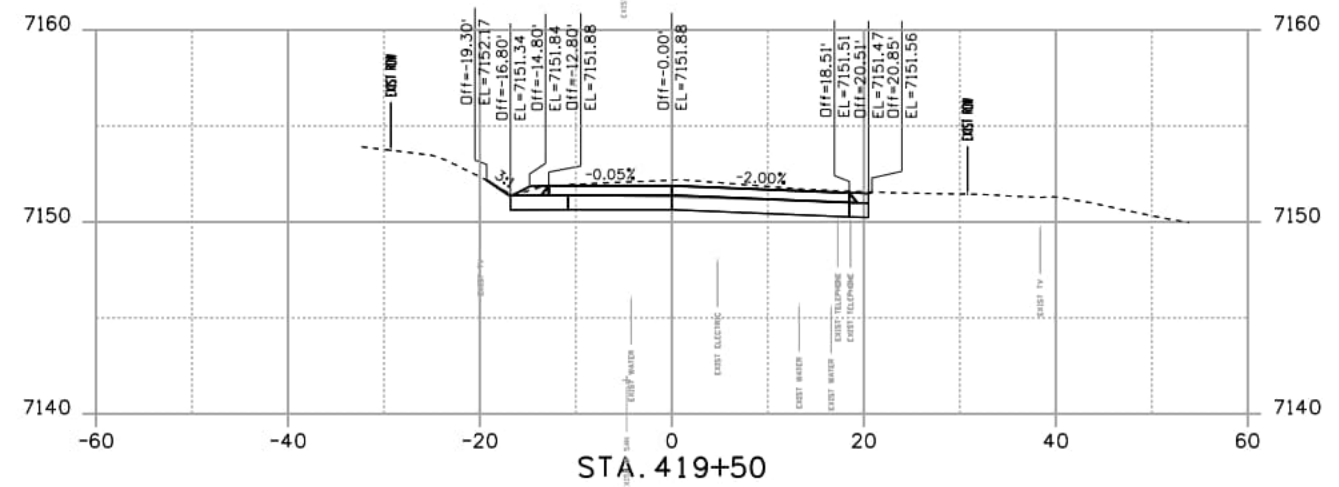
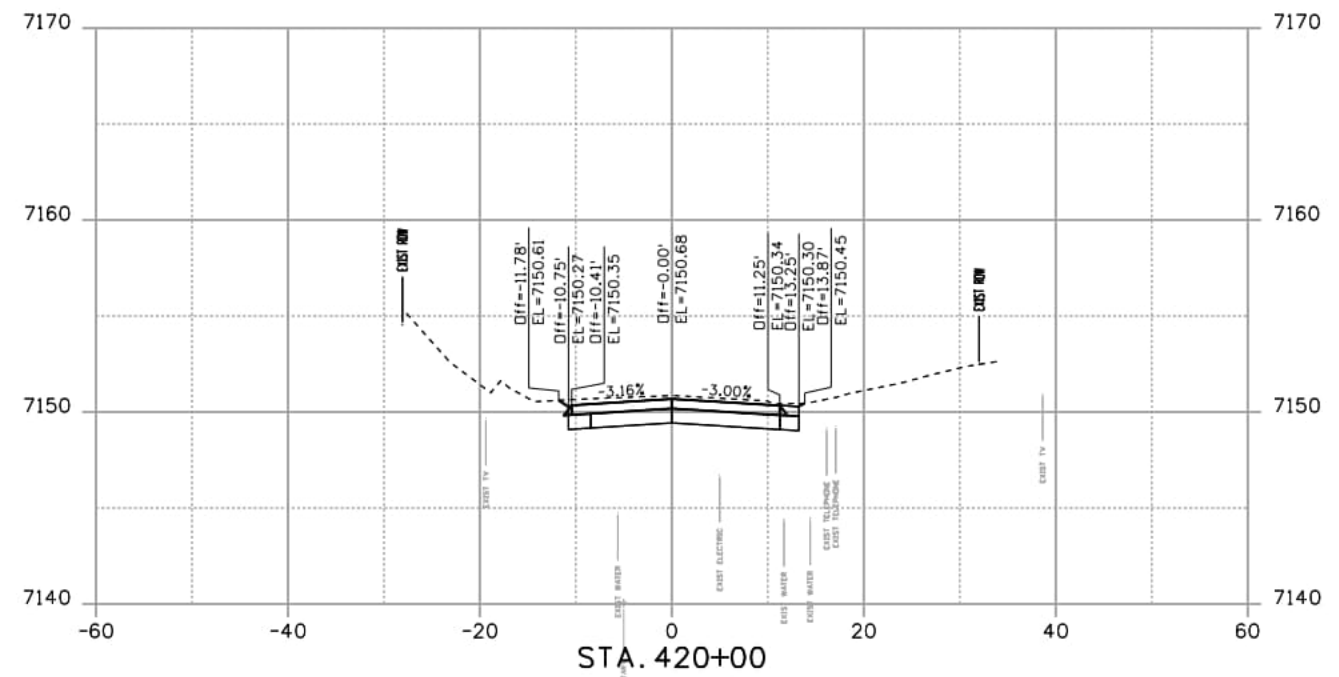
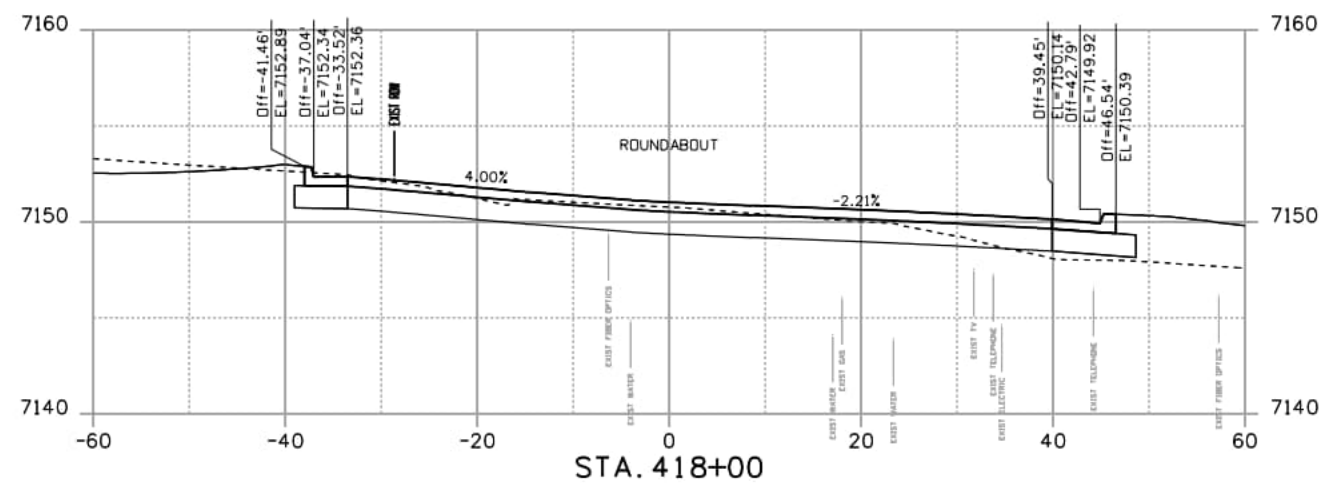
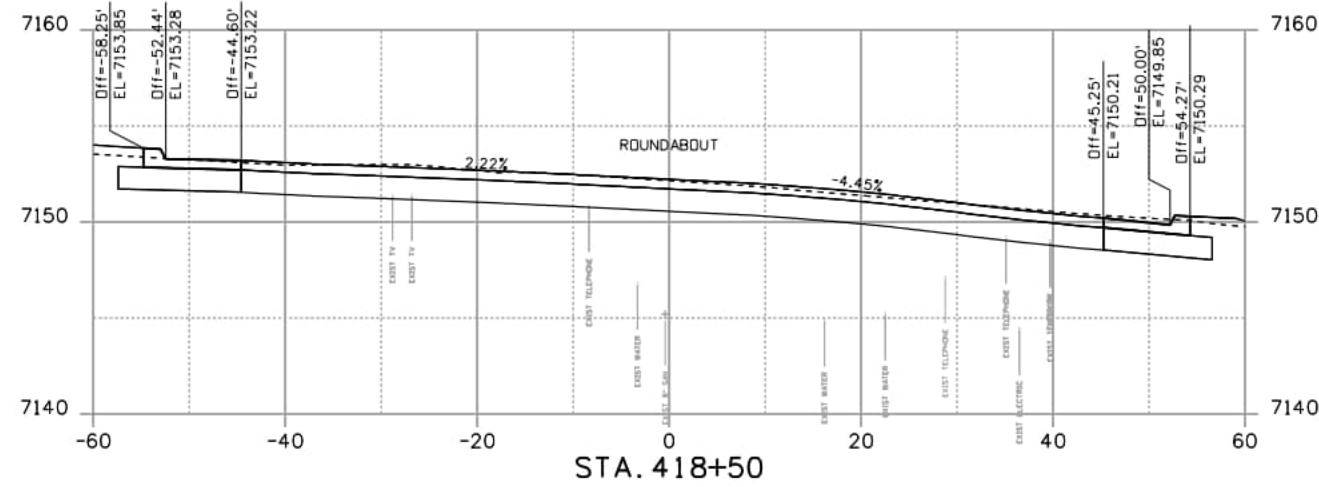
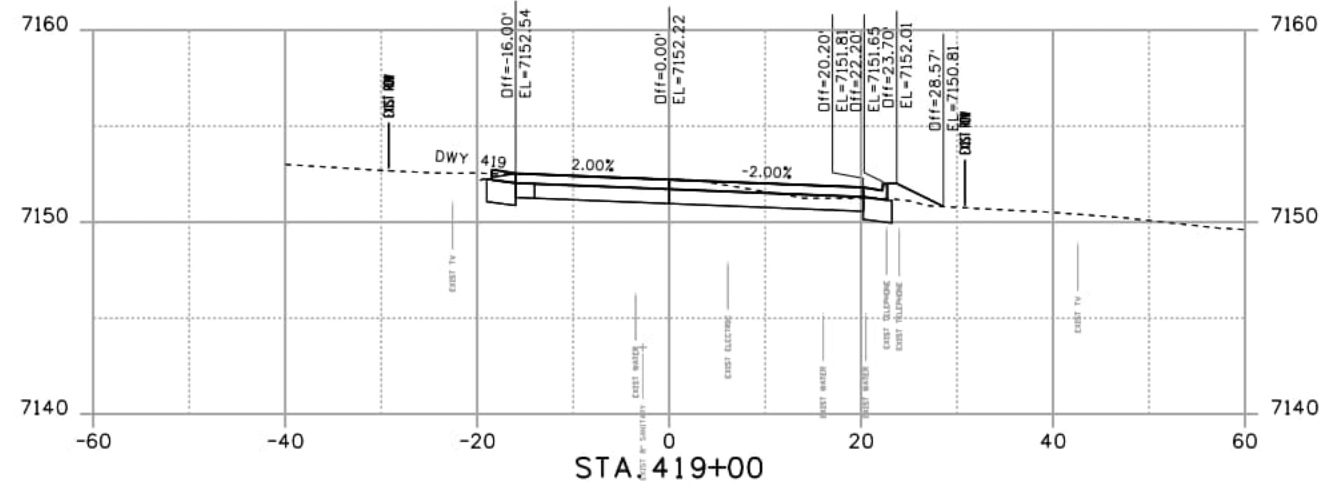
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CROSS SECTIONS STA.416+00 TO STA.417+50	XSECTIONS 7 of 17
	Sheet Number 167

NOTE: ROADWAY CROSS SECTIONS ARE SHOWN FOR INFORMATION ONLY. CONSTRUCTED PROFILES AND CROSS SLOPES SHALL MATCH THOSE SHOWN IN ROADWAY PROFILE PLAN SHEETS.



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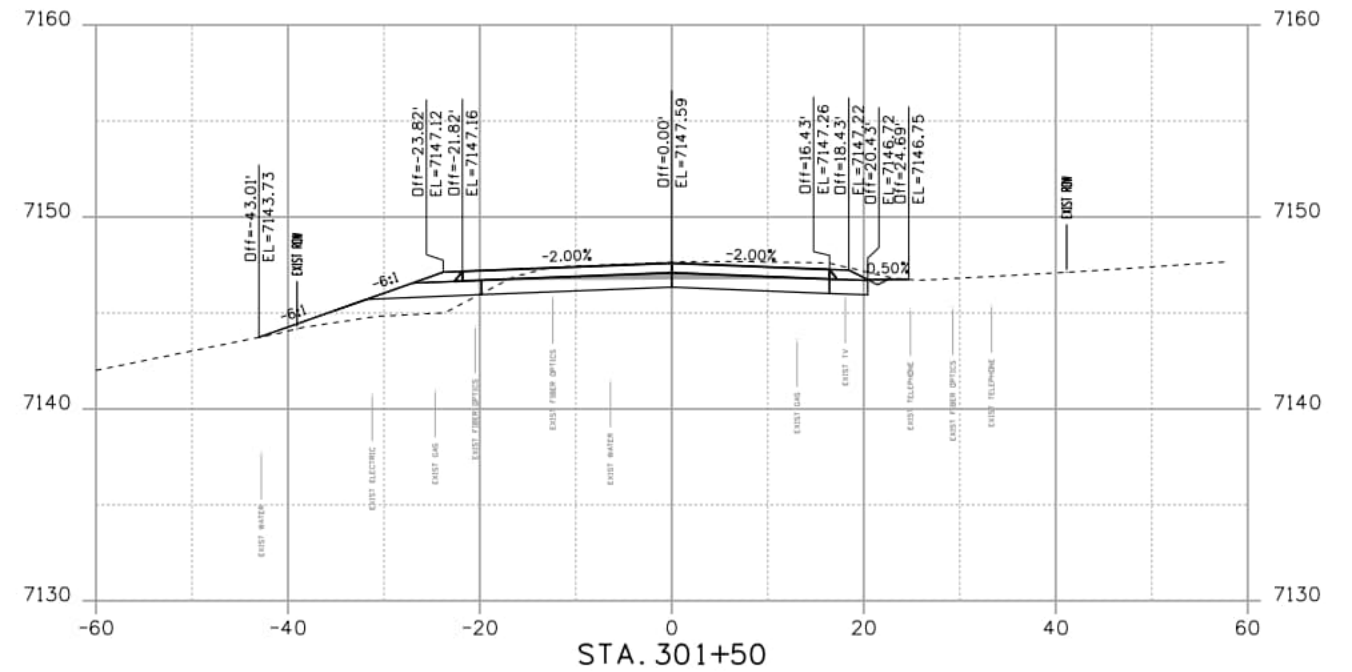
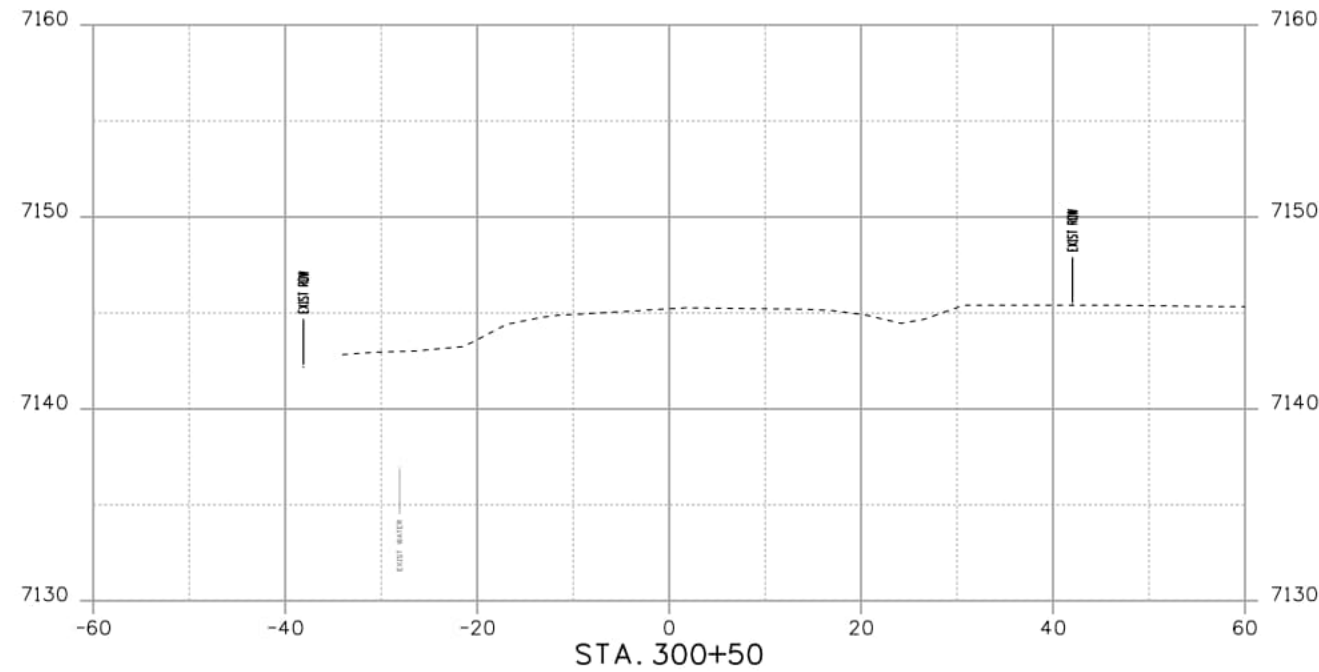
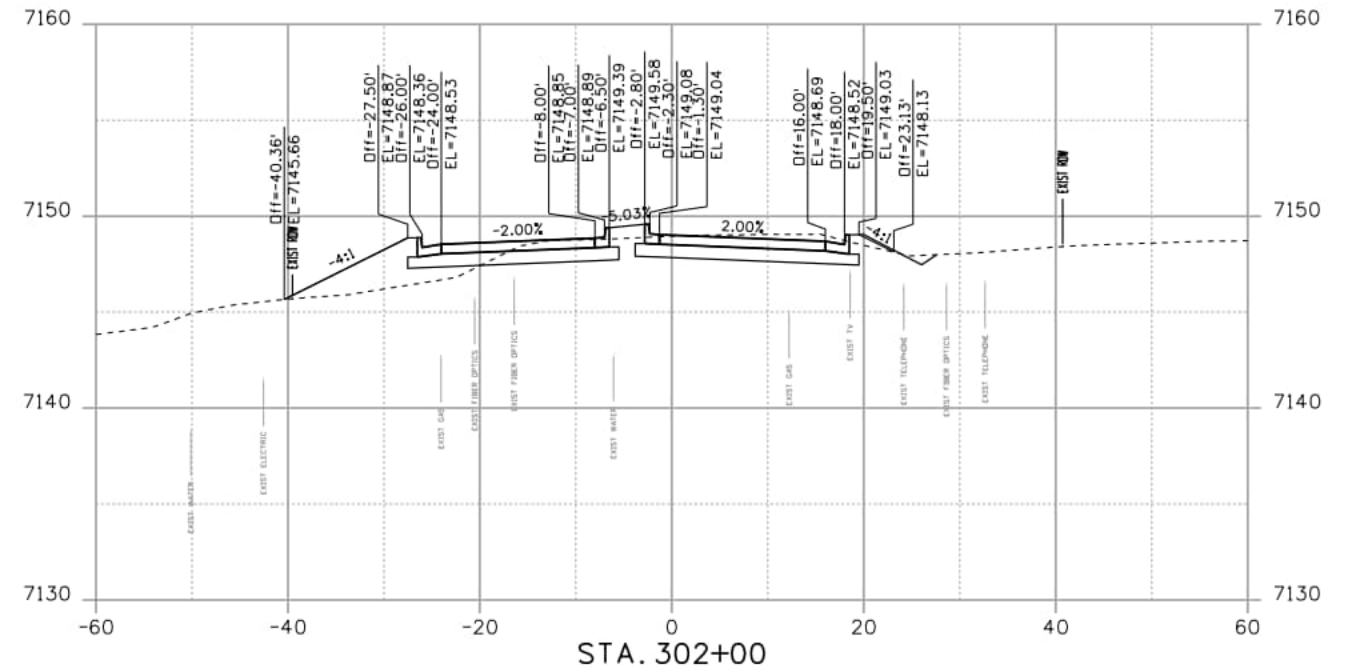
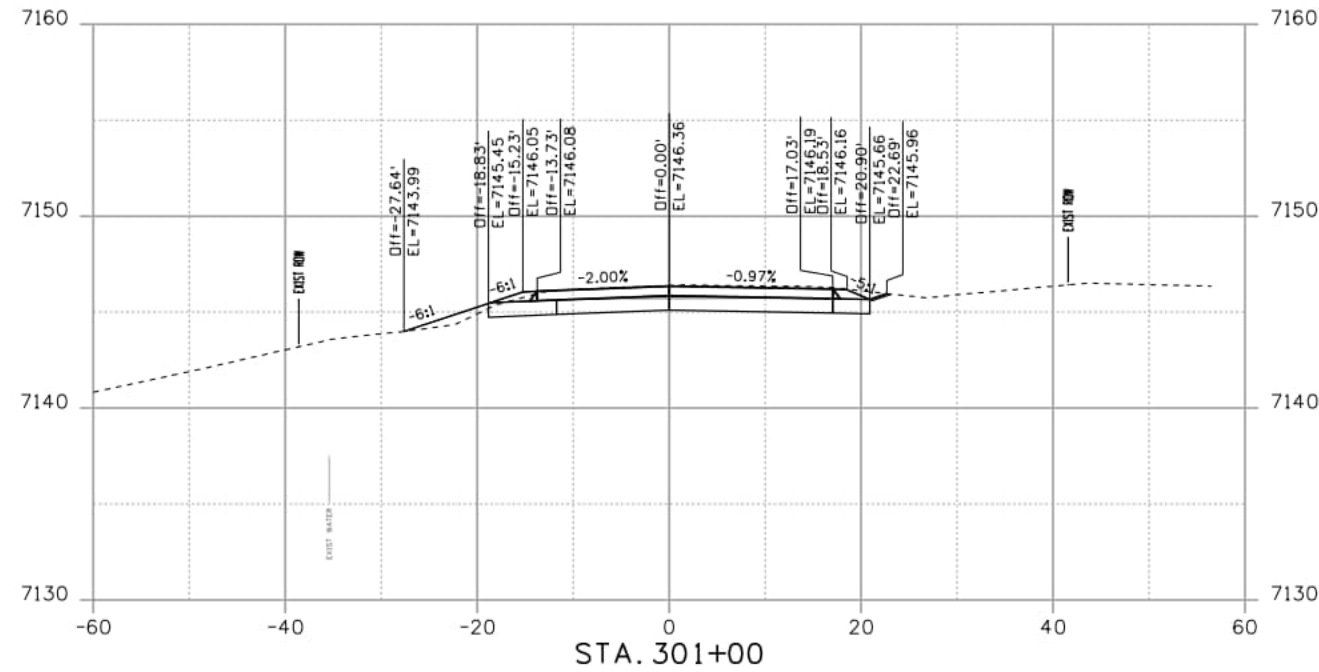
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CROSS SECTIONS STA.418+00 TO STA.420+00	XSECTIONS 8 of 17
	Sheet Number 168

NOTE: ROADWAY CROSS SECTIONS ARE SHOWN FOR INFORMATION ONLY. CONSTRUCTED PROFILES AND CROSS SLOPES SHALL MATCH THOSE SHOWN IN ROADWAY PROFILE PLAN SHEETS.



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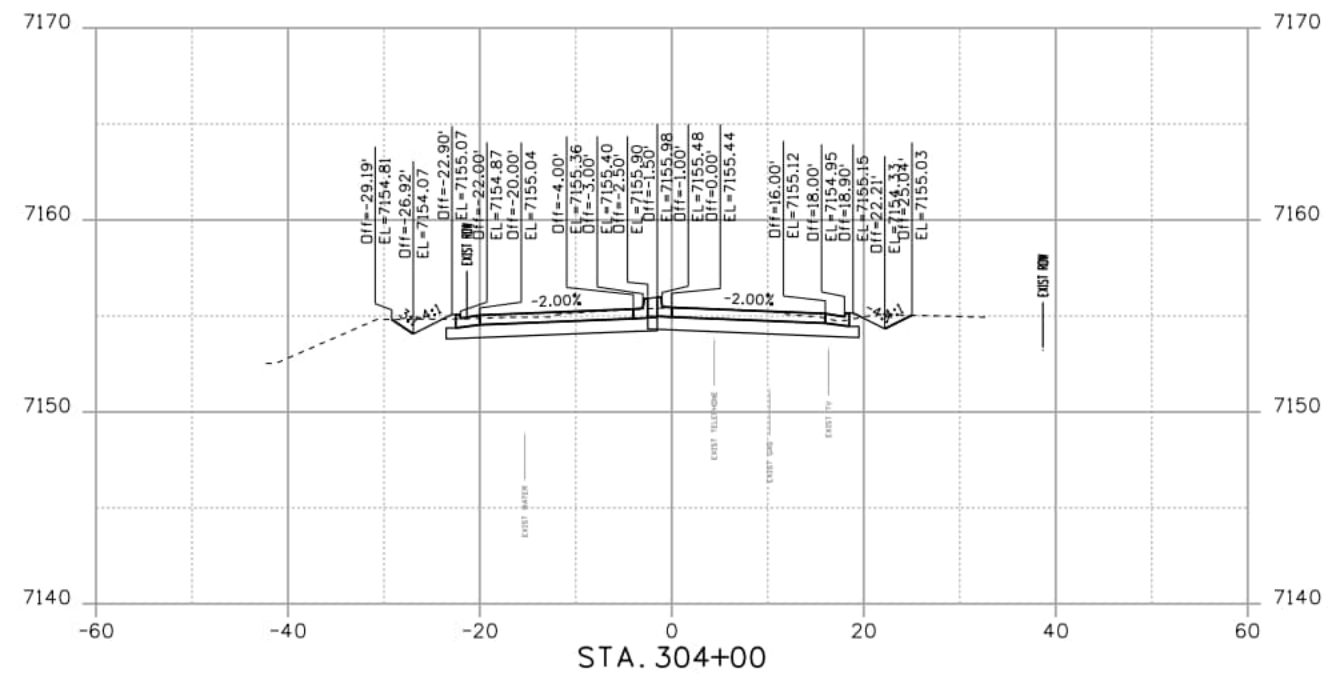
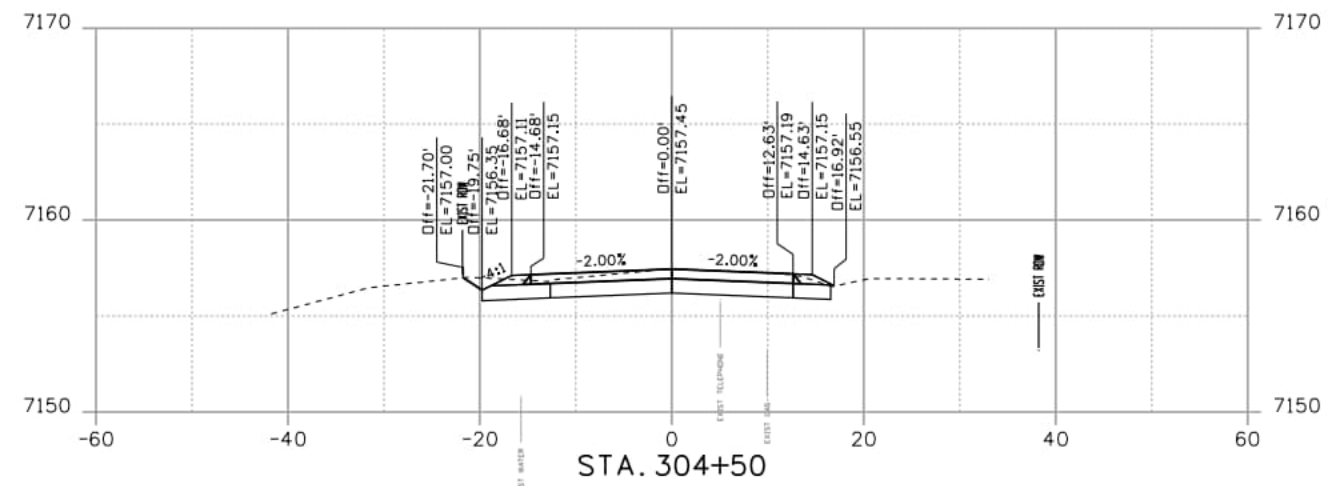
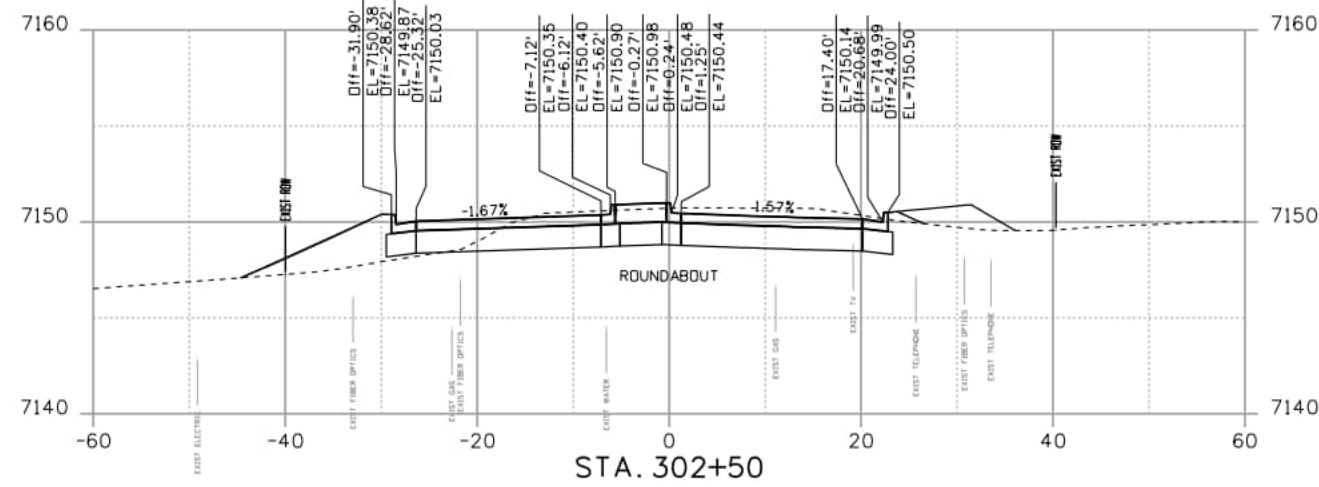
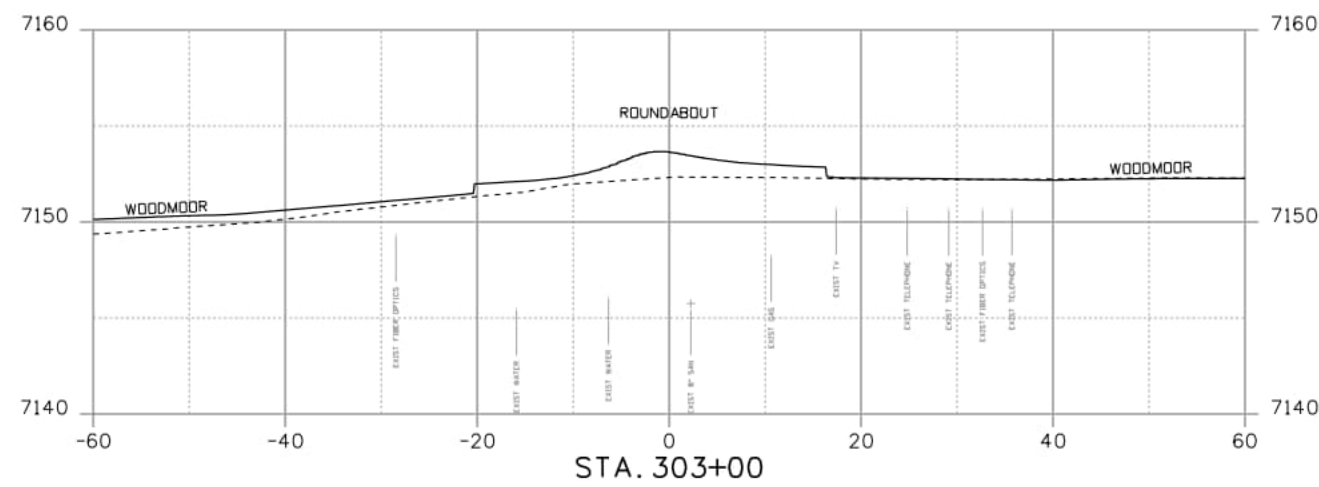
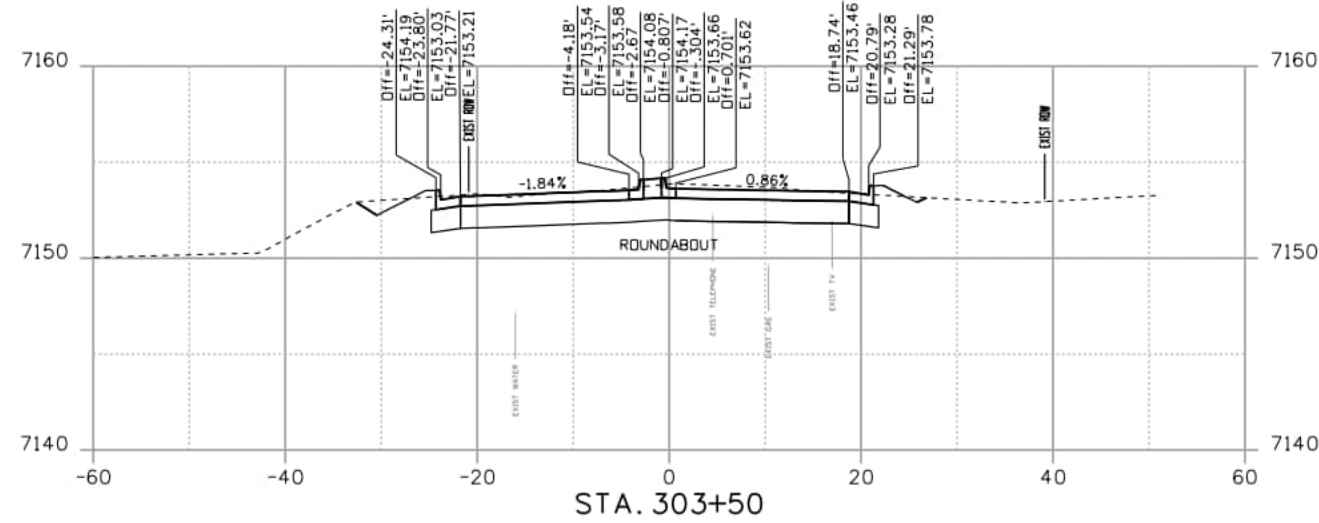
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CROSS SECTIONS STA.300+50 TO STA.302+00	XSECTIONS 9 of 17
	Sheet Number 169

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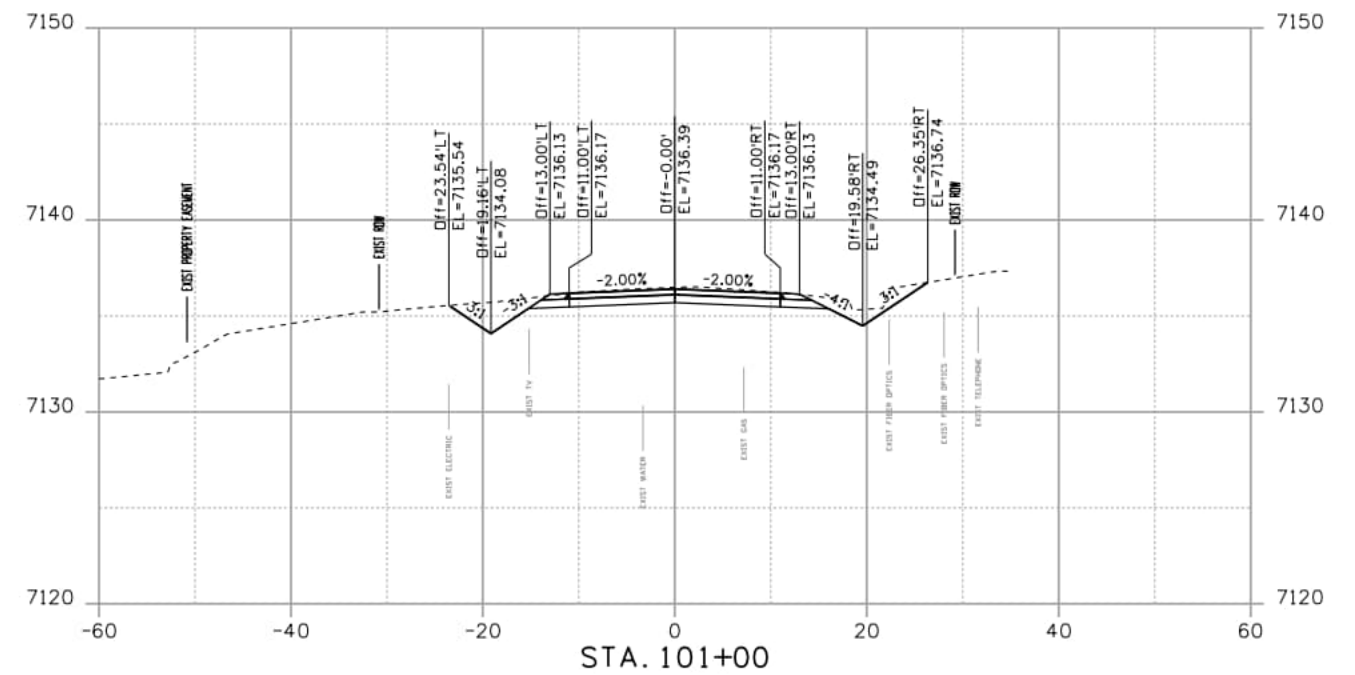
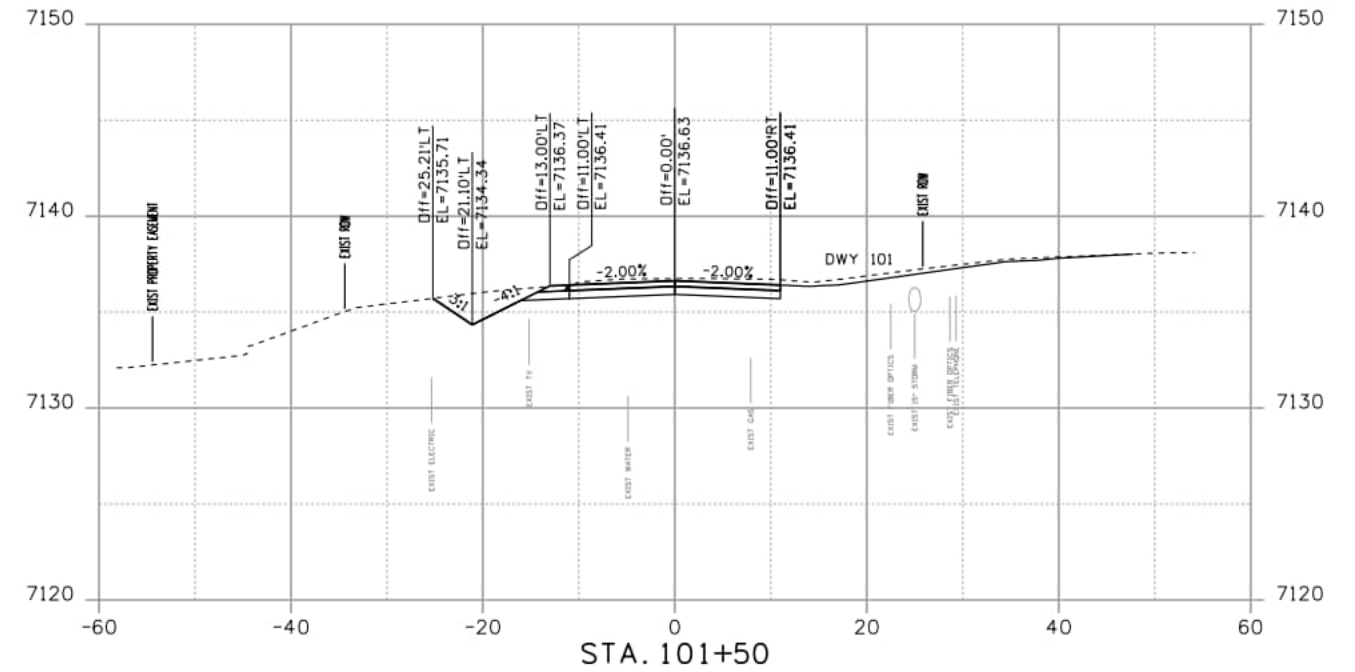
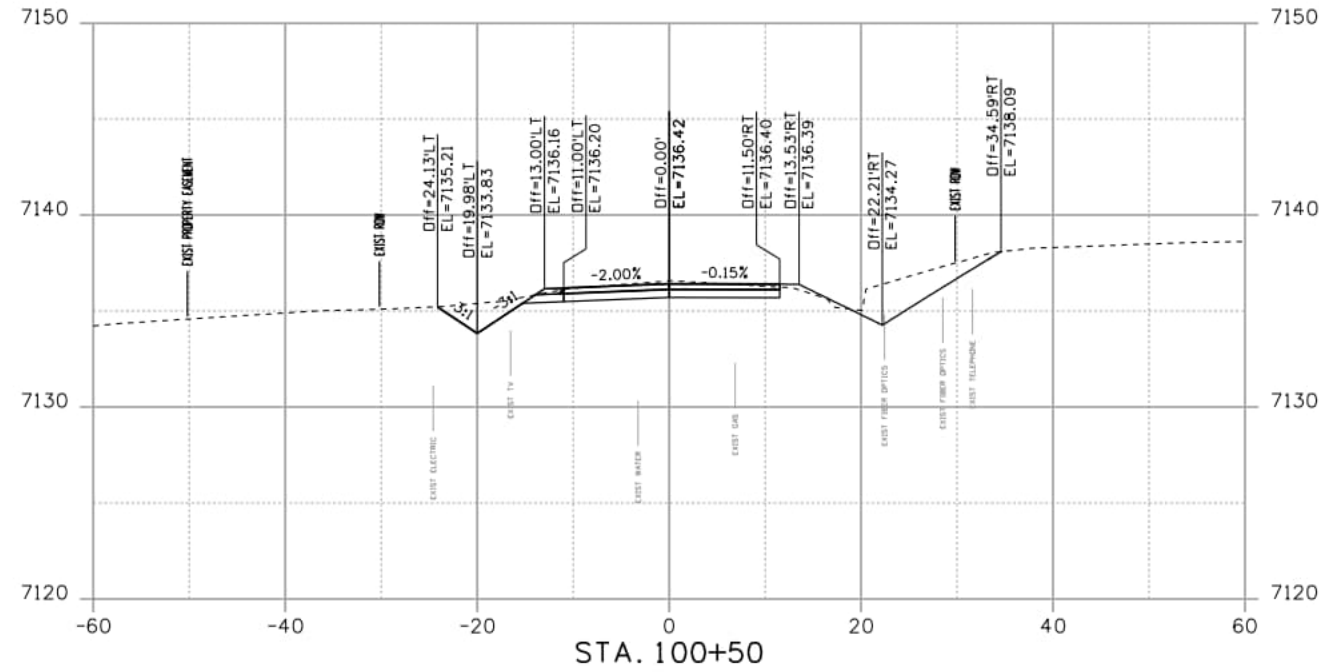
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS

CROSS SECTIONS
 STA.302+50 TO STA.304+50

XSECTIONS 10 of 17
 Sheet Number 170

NOTE: ROADWAY CROSS SECTIONS ARE SHOWN FOR INFORMATION ONLY. CONSTRUCTED PROFILES AND CROSS SLOPES SHALL MATCH THOSE SHOWN IN ROADWAY PROFILE PLAN SHEETS.



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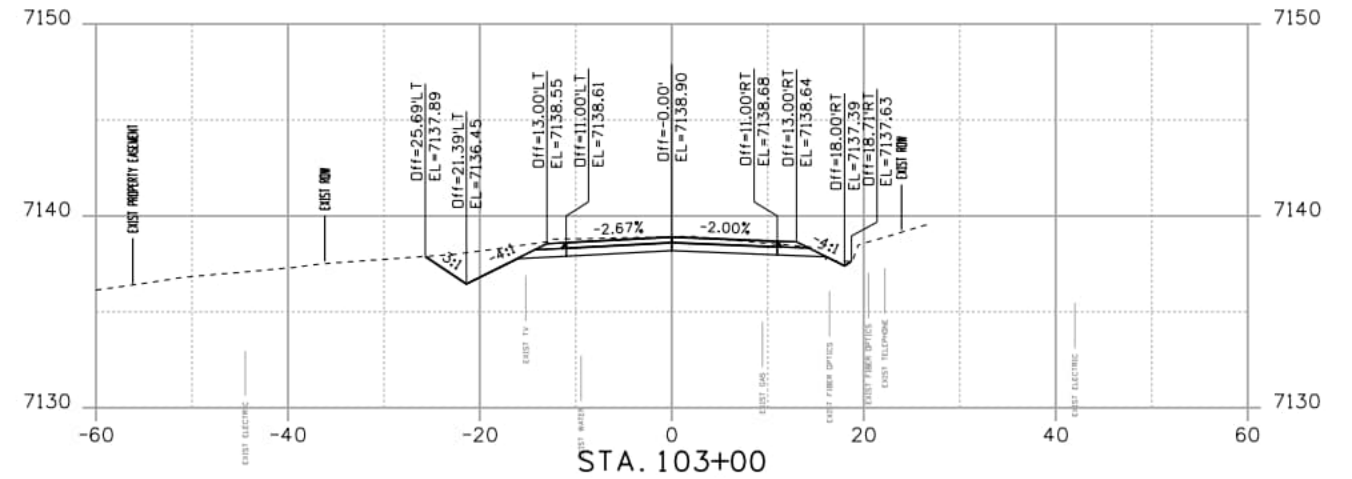
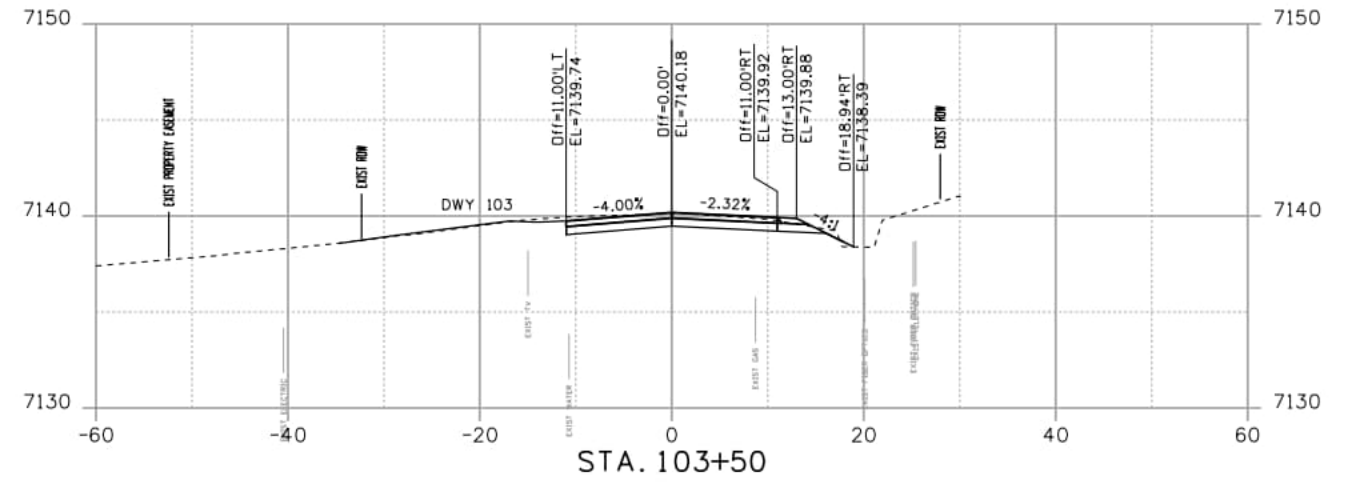
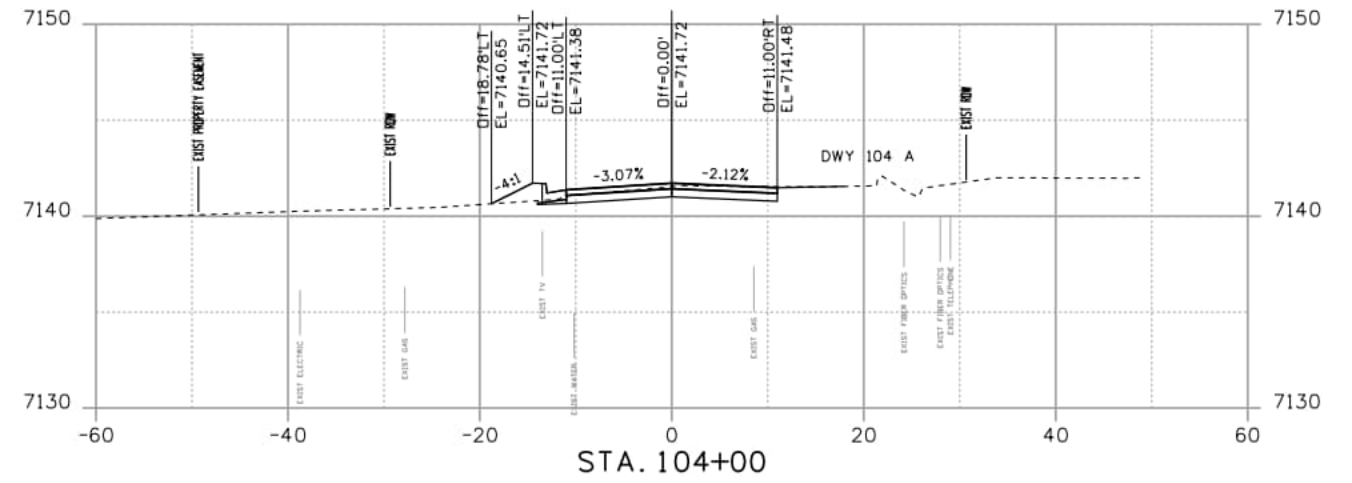
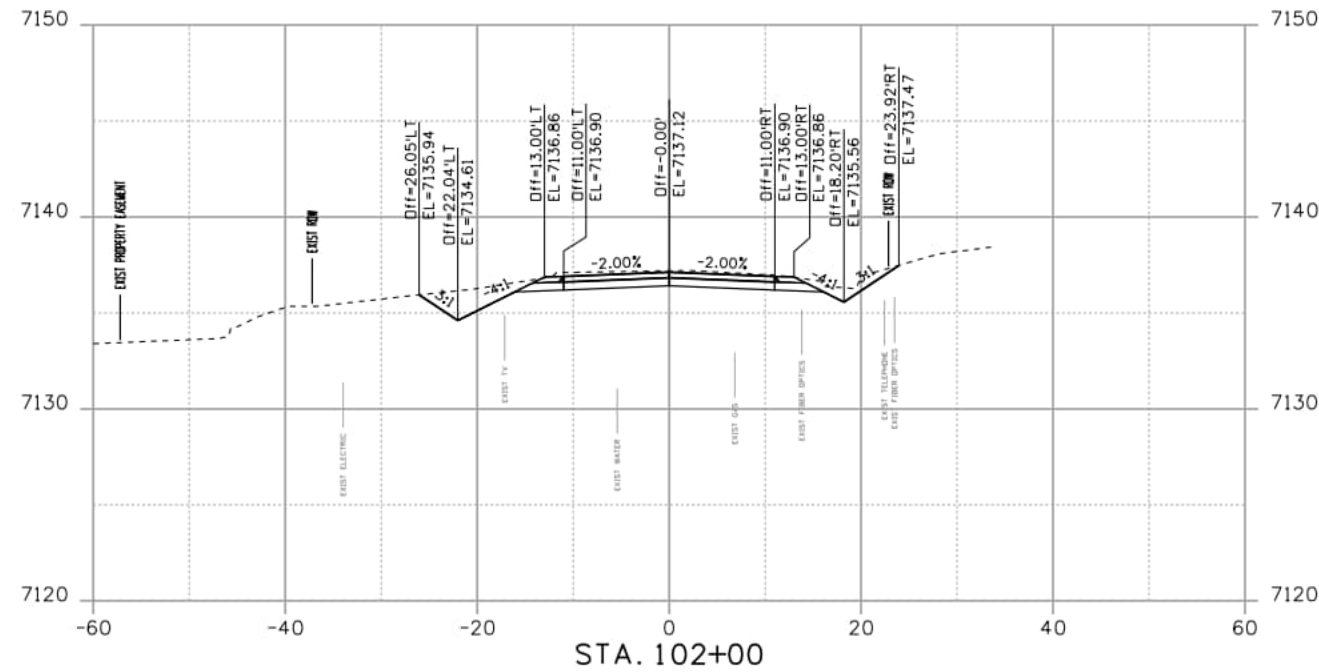
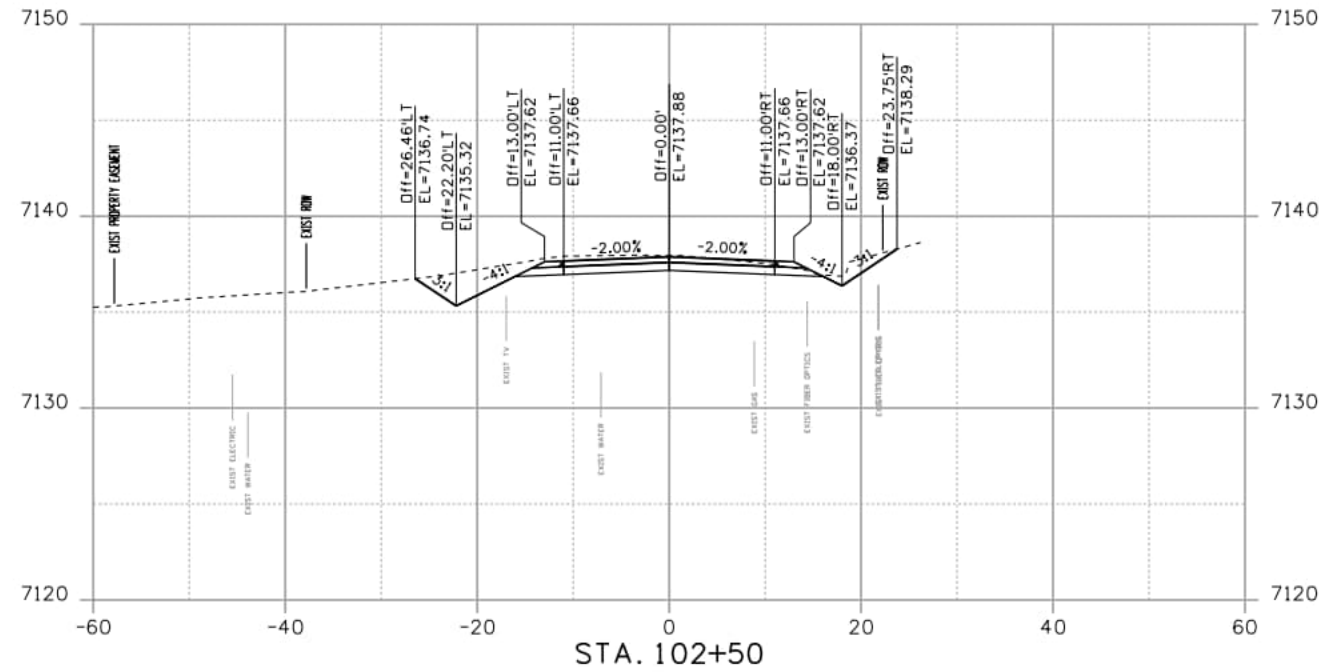
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CROSS SECTIONS STA.100+50 TO STA.101+50	XSECTIONS 11 of 17
	Sheet Number 171

NOTE: ROADWAY CROSS SECTIONS ARE SHOWN FOR INFORMATION ONLY. CONSTRUCTED PROFILES AND CROSS SLOPES SHALL MATCH THOSE SHOWN IN ROADWAY PROFILE PLAN SHEETS.



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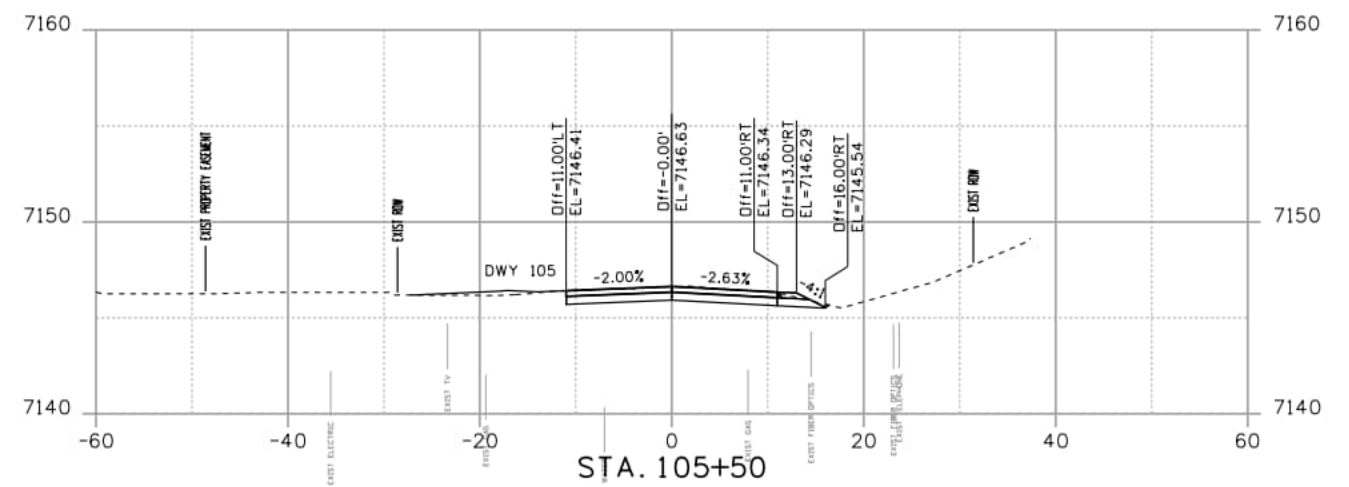
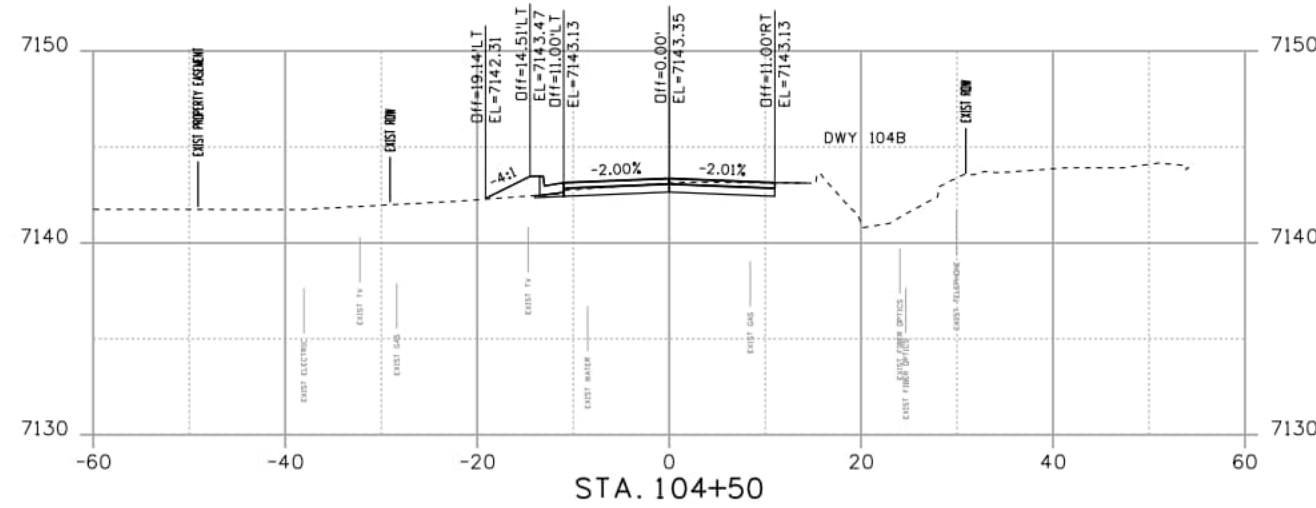
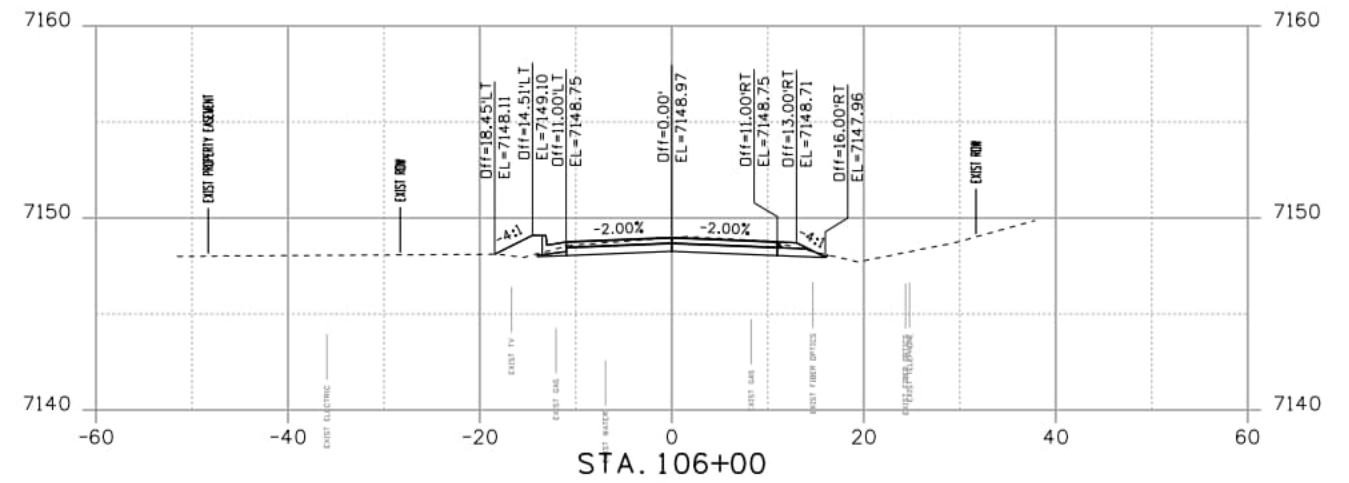
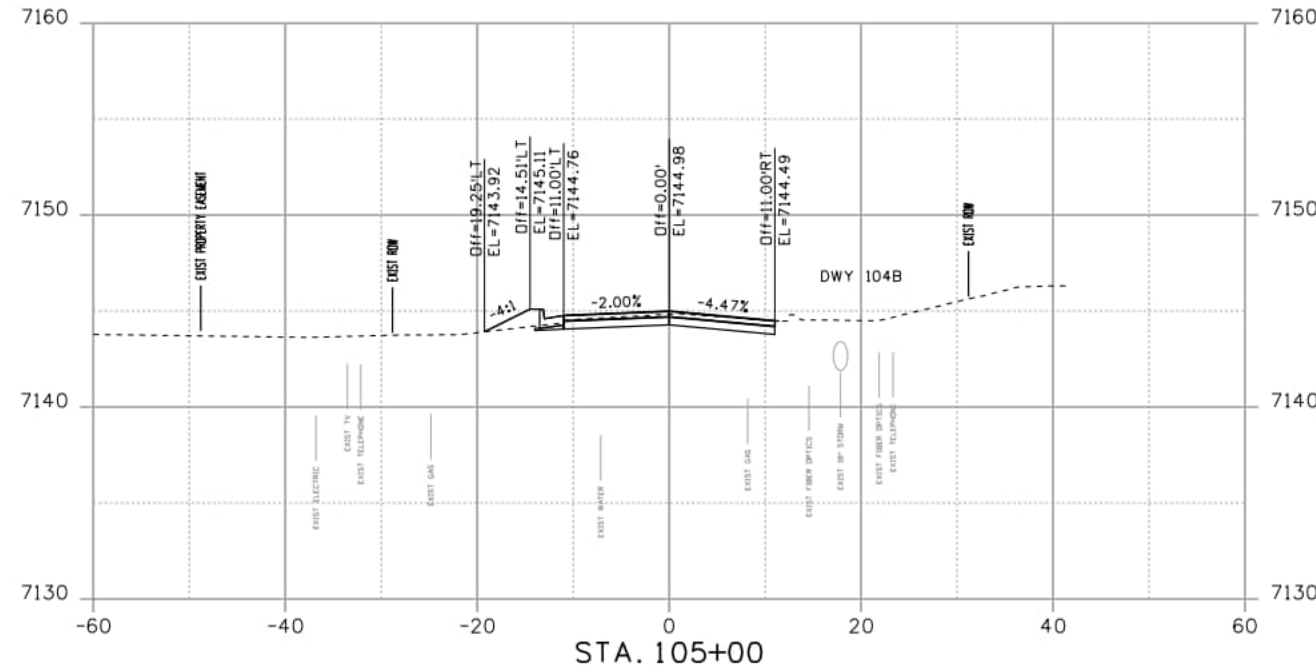
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CROSS SECTIONS STA.102+00 TO STA.104+00	XSECTIONS 12 of 17
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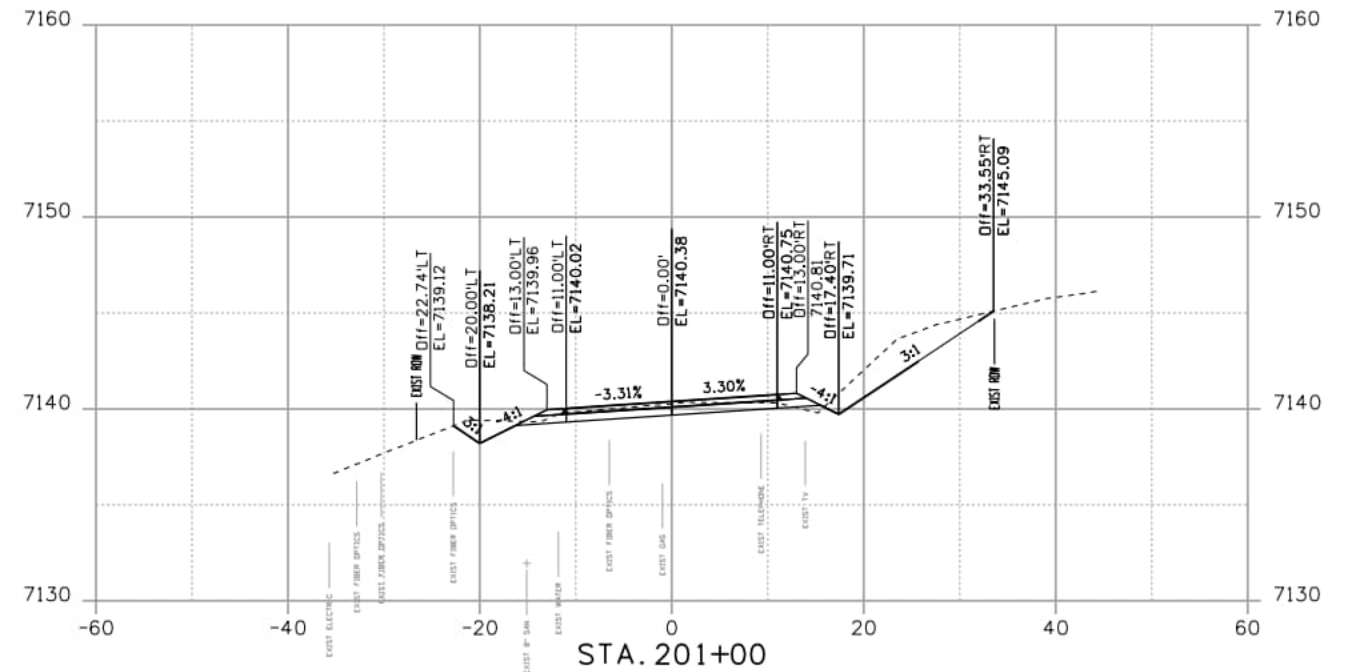
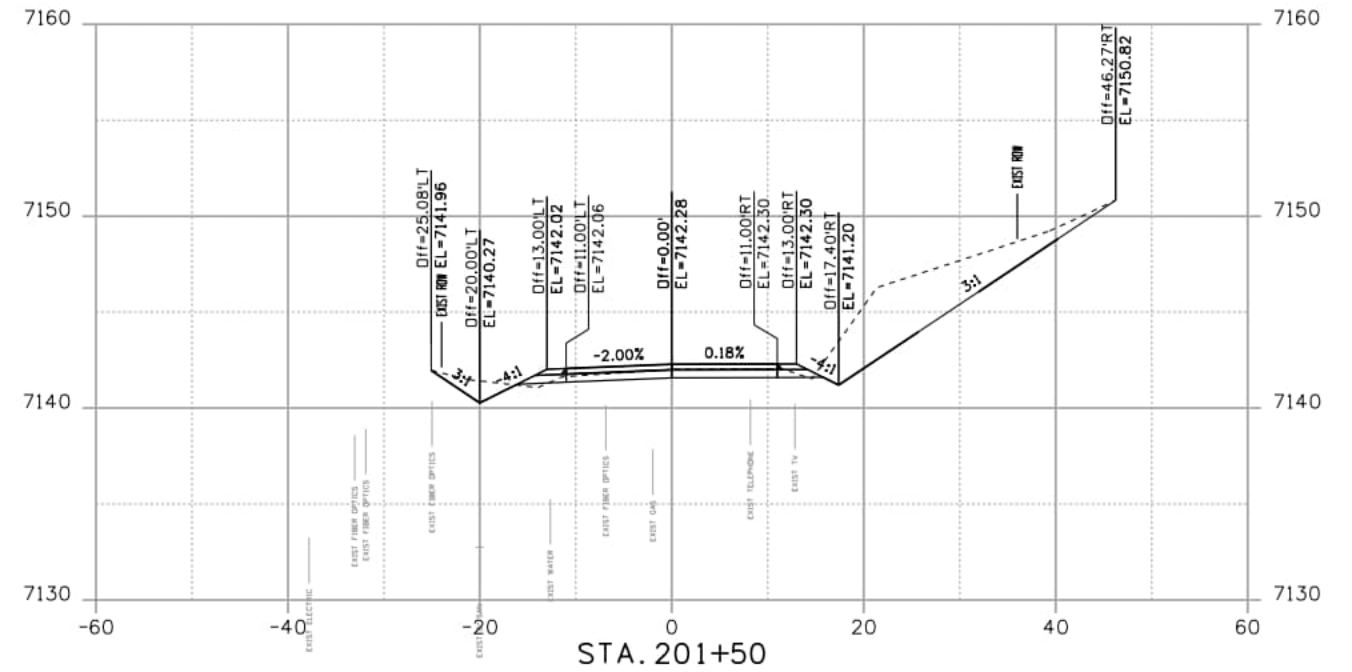
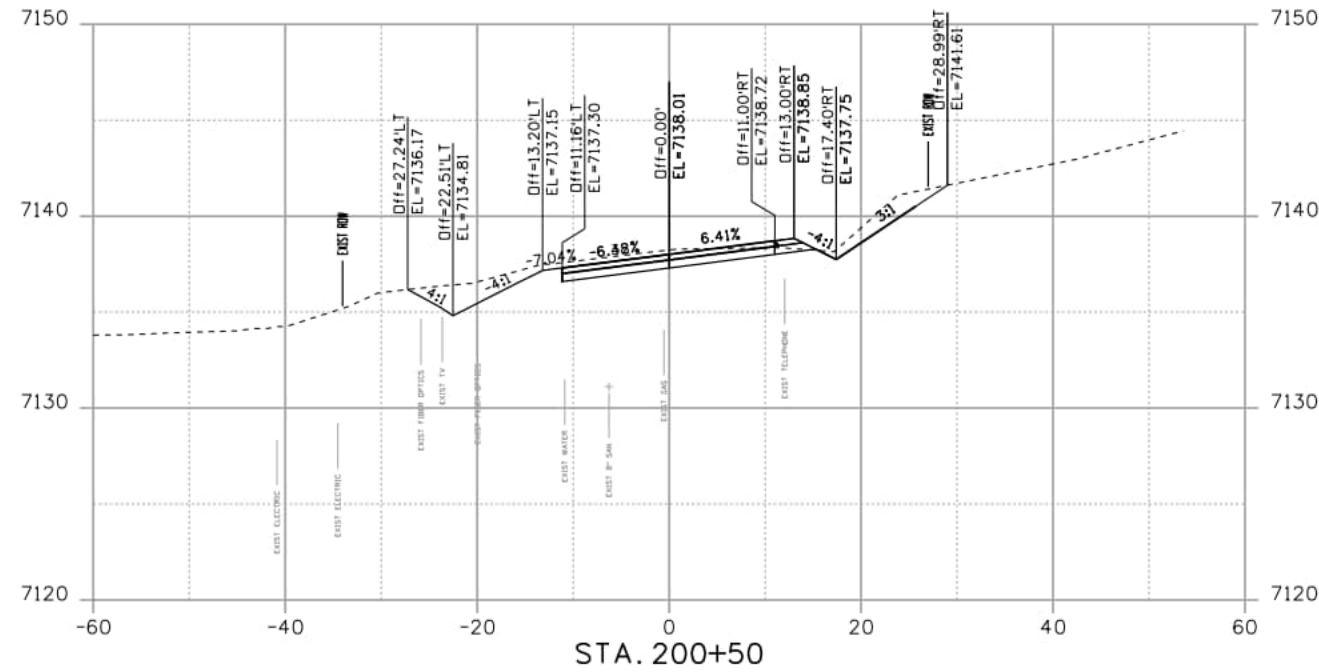
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CROSS SECTIONS STA.104+50 TO STA.106+00	XSECTIONS 13 of 17
	Sheet Number 173

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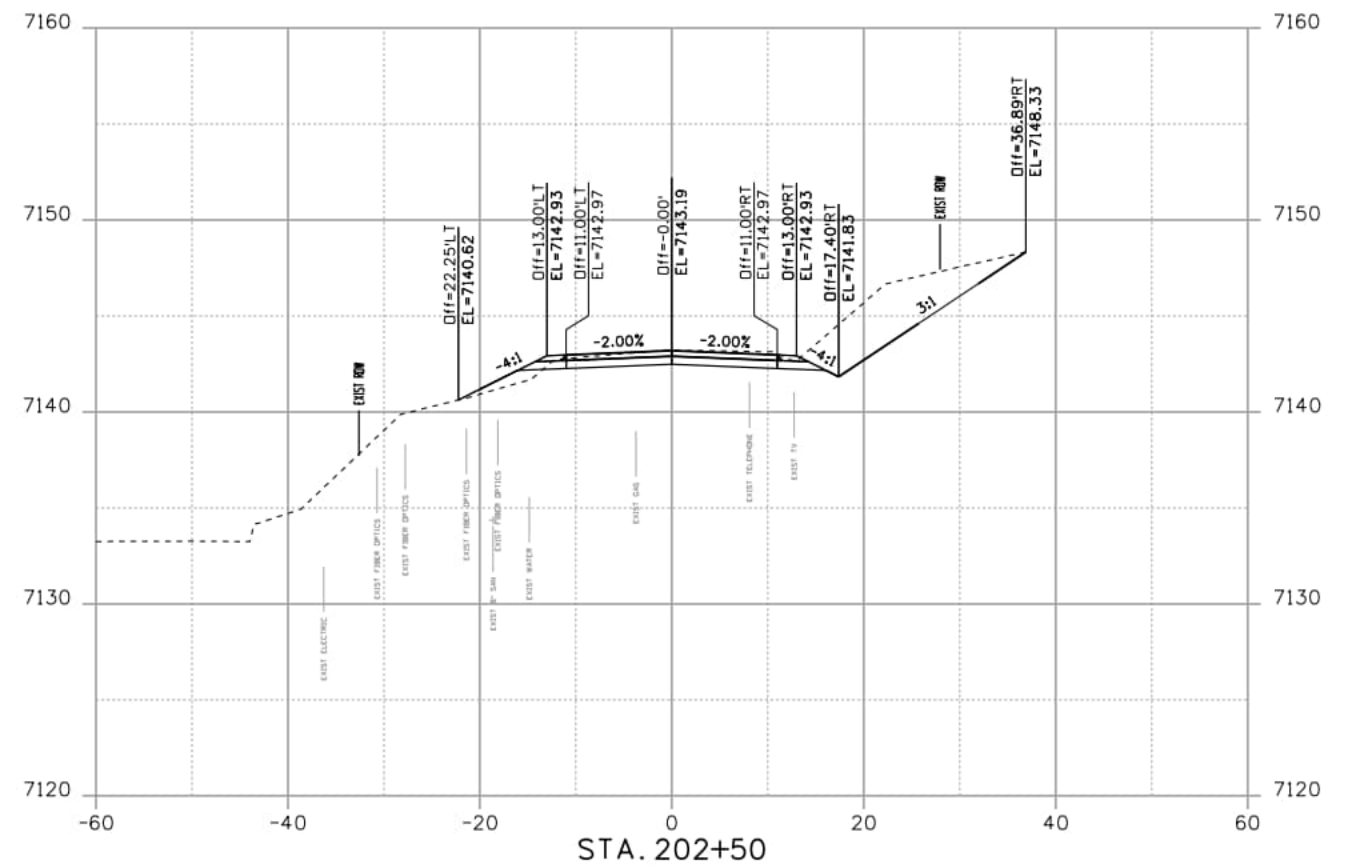
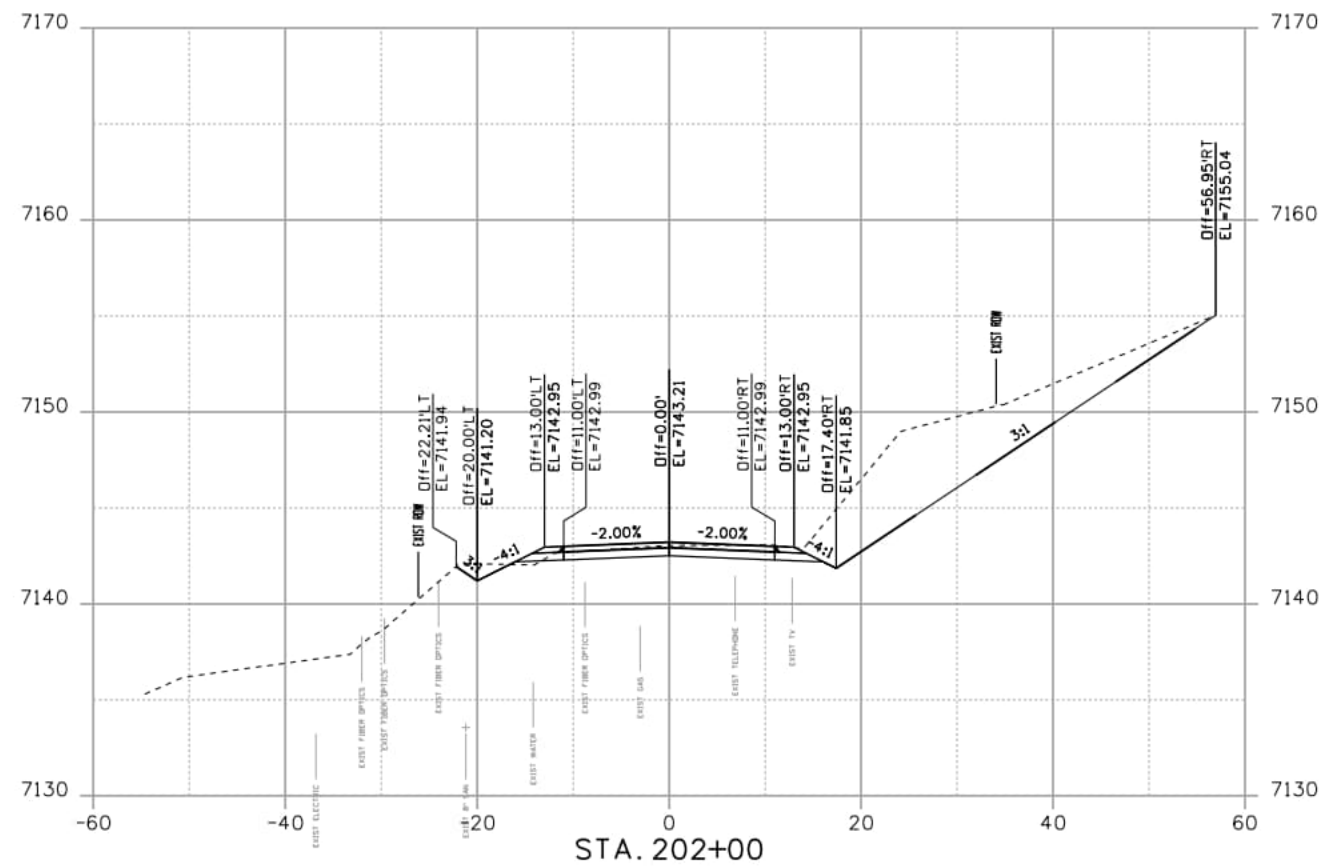
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CROSS SECTIONS STA.200+50 TO STA.201+50	XSECTIONS 14 of 17
	Sheet Number 174

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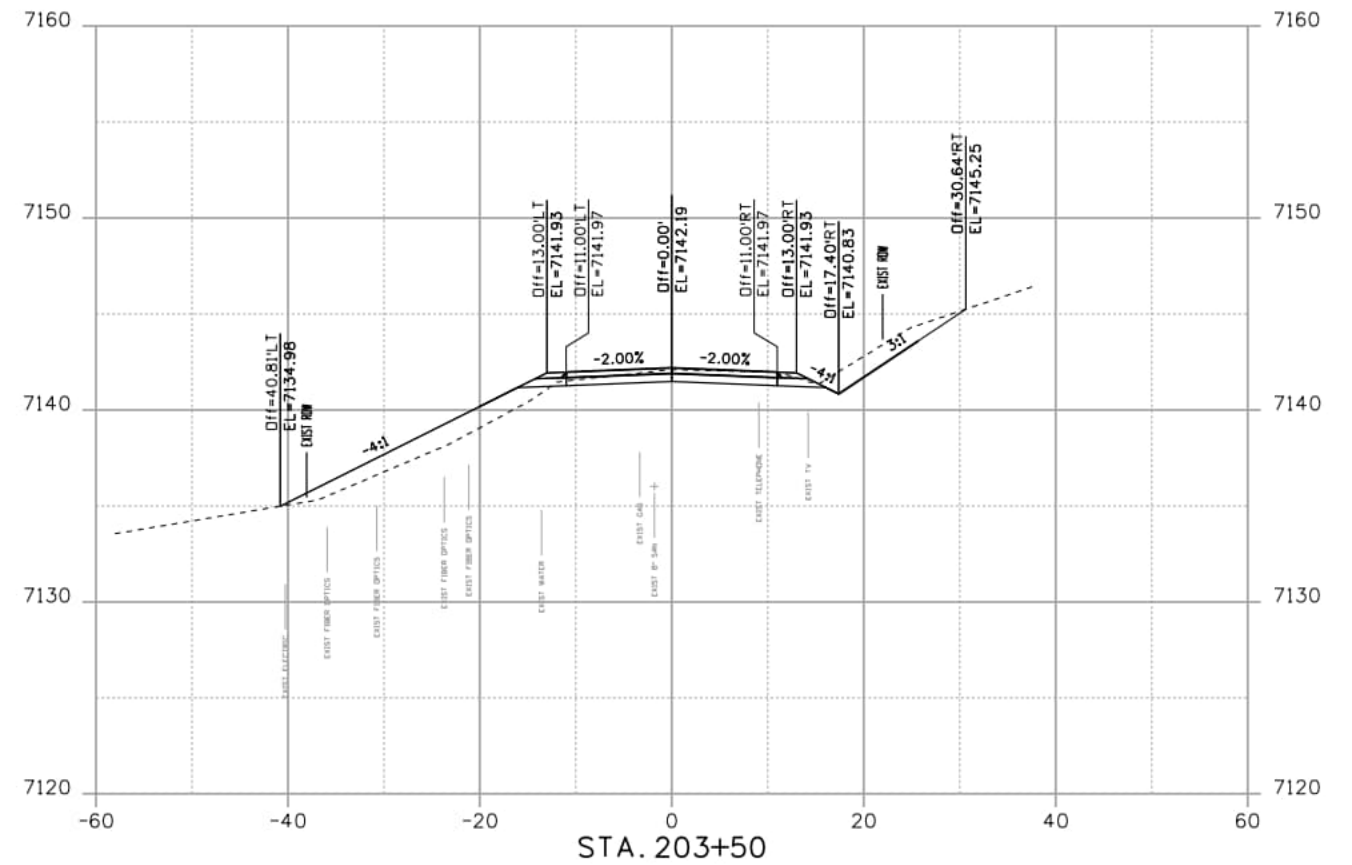
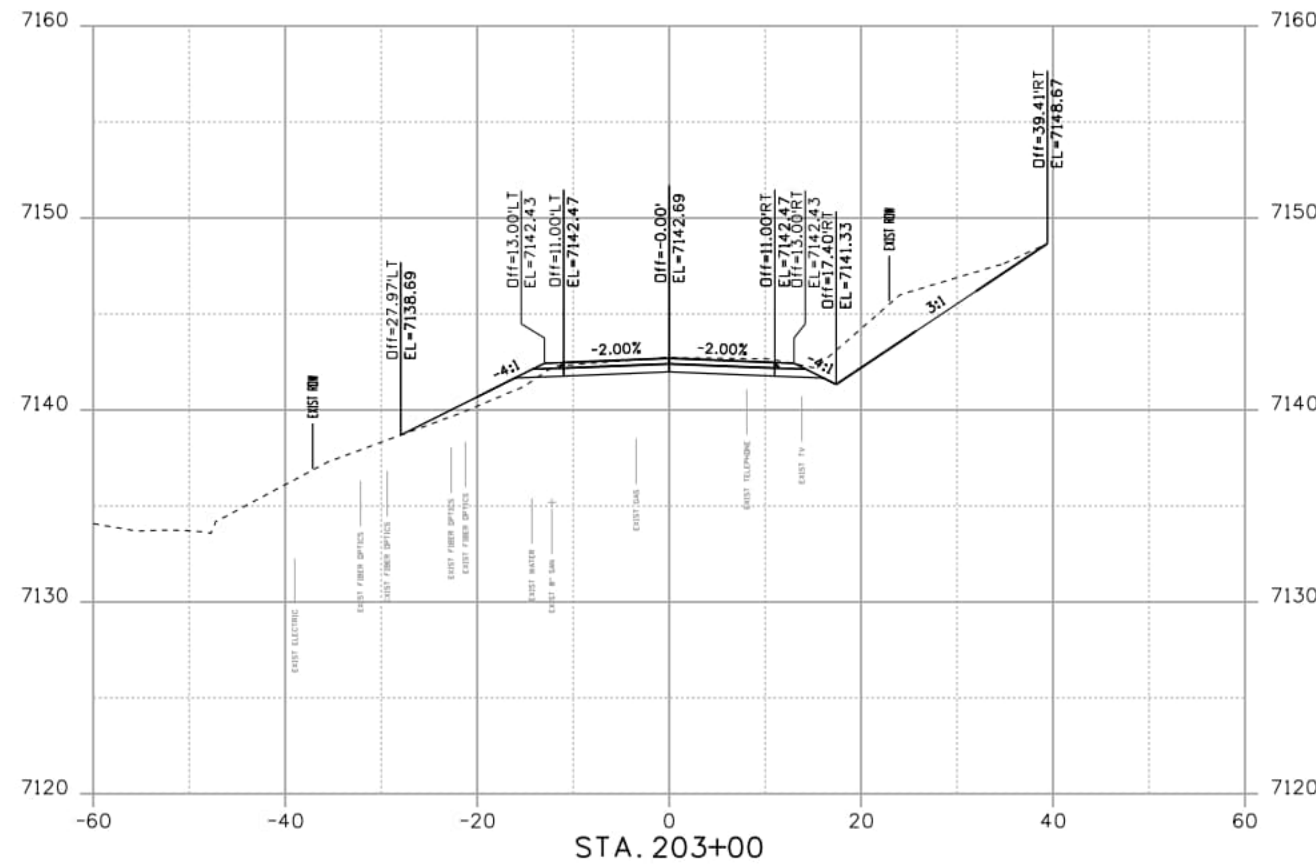
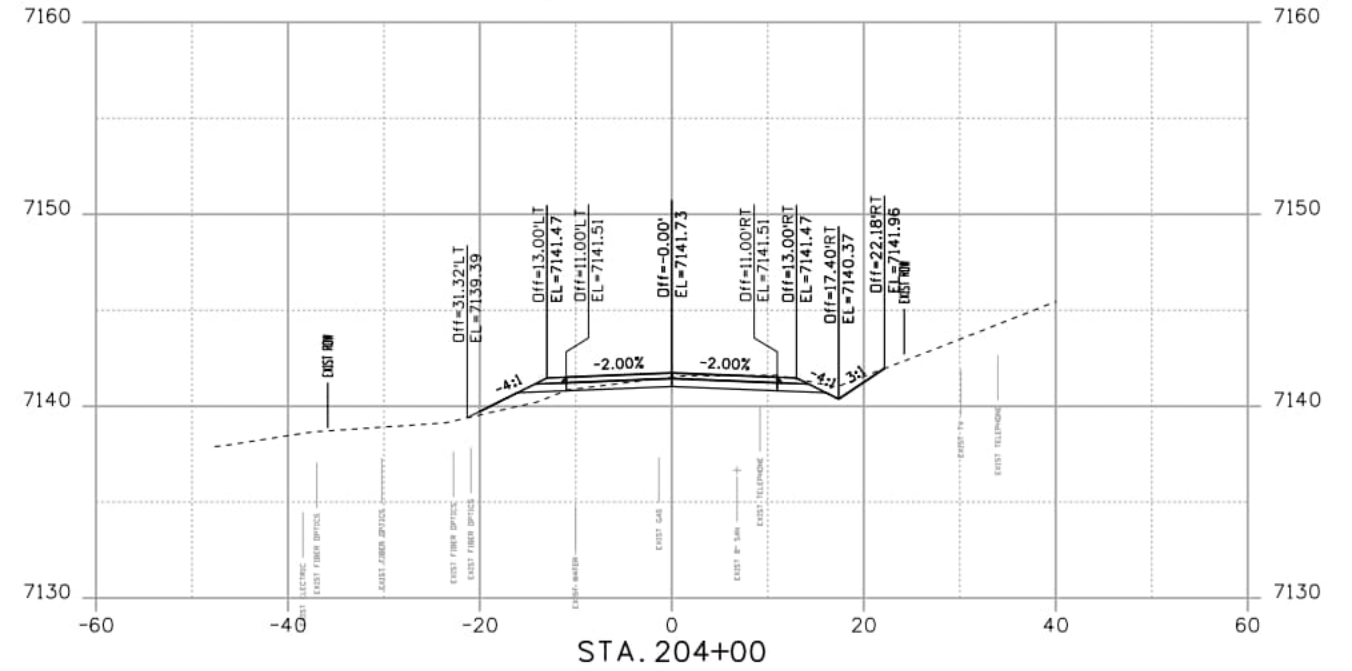
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CROSS SECTIONS STA.202+00 TO STA.202+50	XSECTIONS 15 of 17
	Sheet Number 175

NOTE: ROADWAY CROSS SECTIONS ARE SHOWN FOR INFORMATION ONLY. CONSTRUCTED PROFILES AND CROSS SLOPES SHALL MATCH THOSE SHOWN IN ROADWAY PROFILE PLAN SHEETS.



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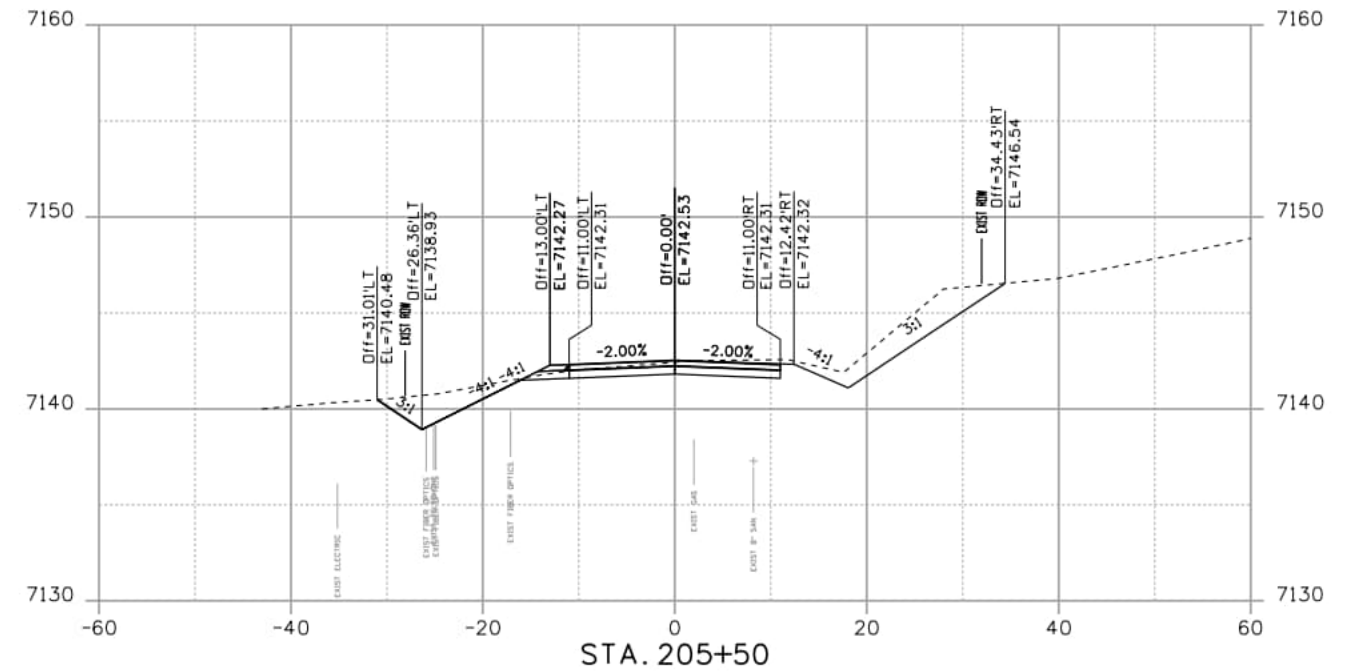
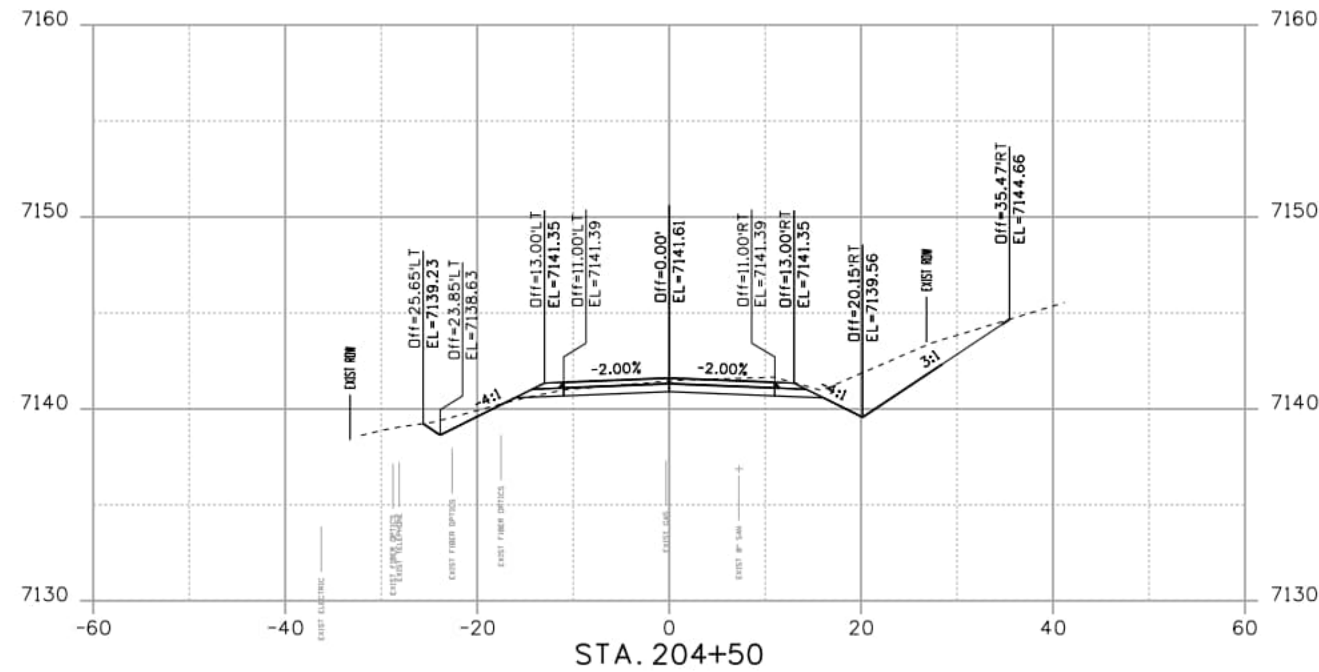
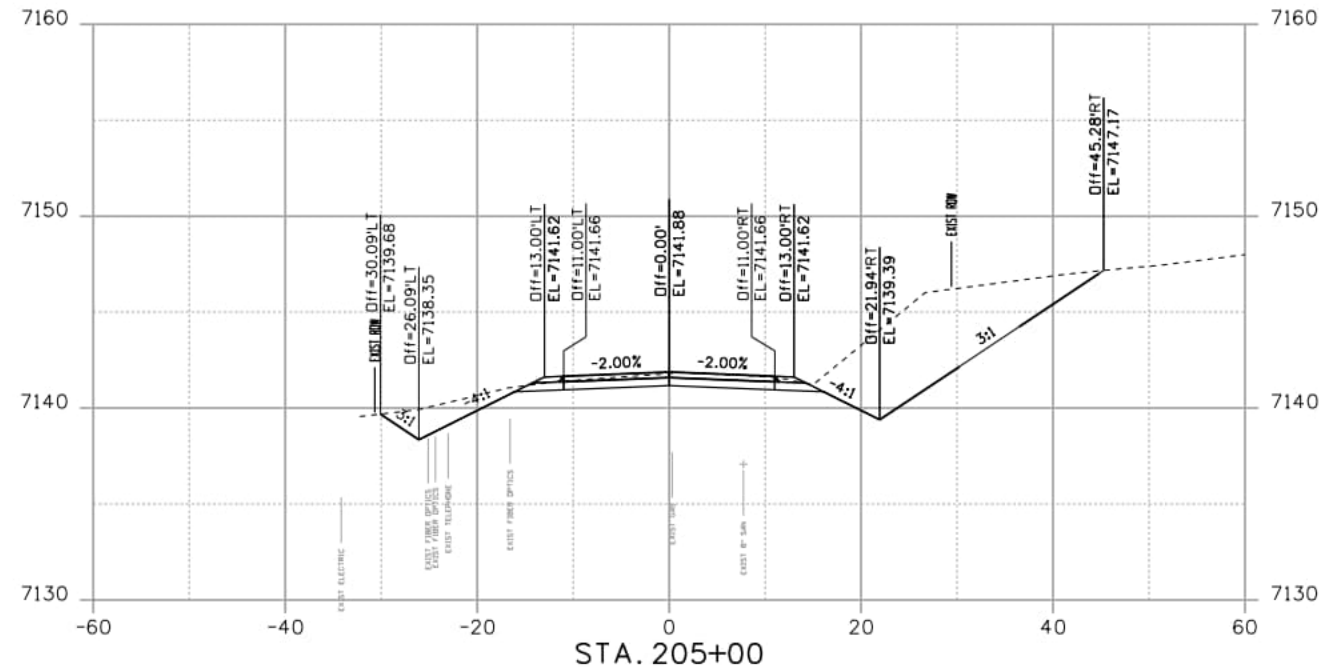
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DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
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 3275 Akers Dr
 Phone: 719-520-6460
 Fax: 719-520-6879



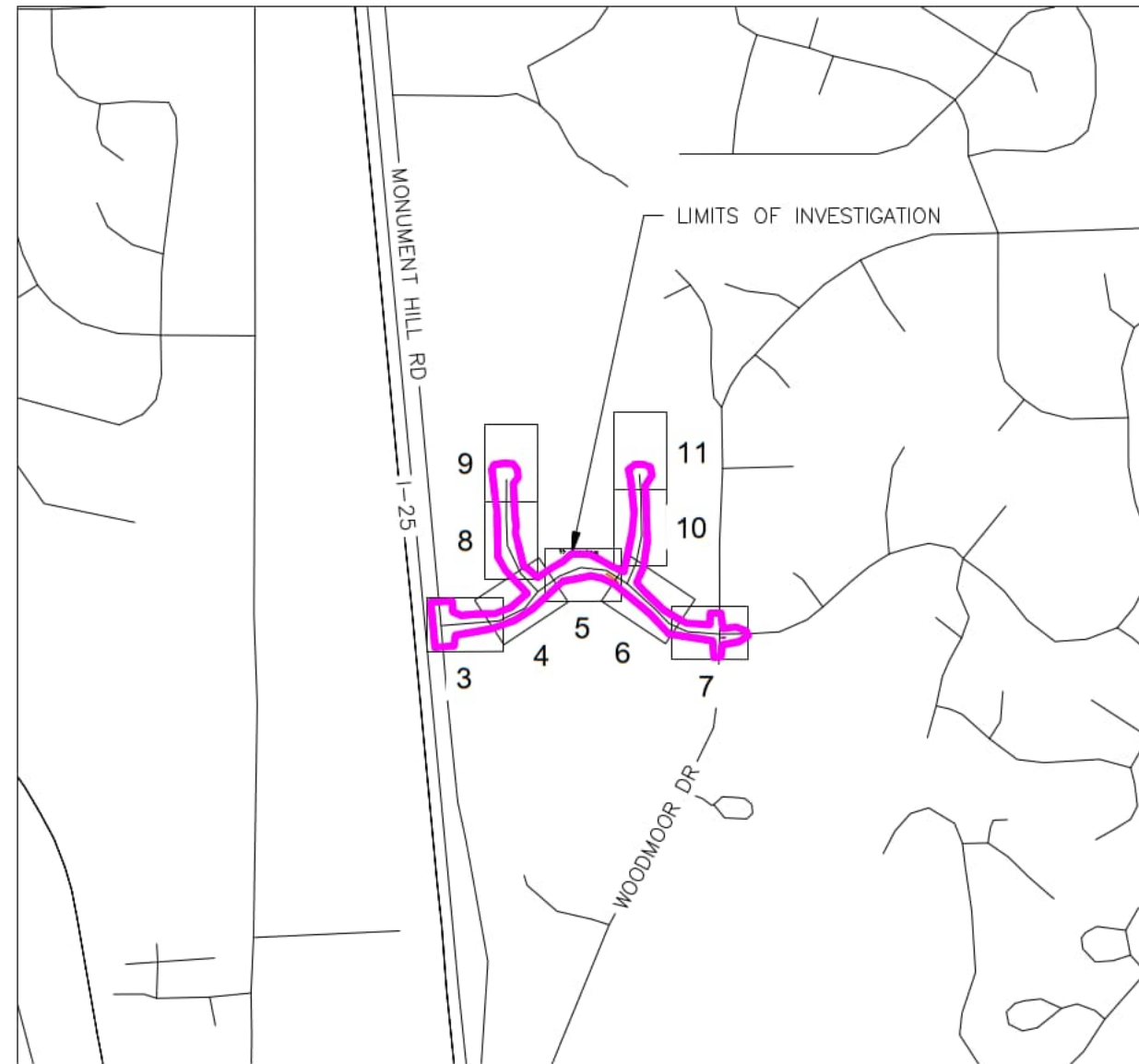
AECOM
 2315 Briargate Pkwy #150
 Colorado Springs, CO 80920
 Phone: 719-531-0001
 Fax: 719-531-0007
 AECOM #60673398

DEER CREEK ROAD INTERSECTION IMPROVEMENTS	
CROSS SECTIONS STA.204+50 TO STA.205+50	XSECTIONS 17 of 17
	Sheet Number 177

SUBSURFACE UTILITY INVESTIGATION

Deer Creek Road Monument, El Paso County, CO

SHEET INDEX	
SHEET NO.	TITLE
1	COVER SHEET
2	GENERAL NOTES AND LEGEND
3 - 11	PLAN SHEETS



LAYOUT MAP



LAMB-STAR ENGINEERING, LLC.

1440 BRICKYARD RD UNITS 3 AND 4
GOLDEN, CO 80403 (720)547-5222



COVER

DEER CREEK ROAD

Design	M. BRYAN	Checked	1/16/2021	Date Created	1/16/2021	Date Modified	1" = 30'	Job No.	820141.01
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SHEET

1

OF 11 SHEETS

GENERAL NOTES:

- PURPOSE: TO INVESTIGATE, INTERPRET, AND DEPICT EXISTING UTILITIES AS PER THE SCOPE OF WORK NEGOTIATED BETWEEN LAMB-STAR ENGINEERING, LLC. AND THE CLIENT, WITHIN CLIENT SPECIFIC CORRIDORS.
- THE UTILITIES DEPICTED ARE THE RESULTS OF THE UTILITY INVESTIGATION AS 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 SURFACE FEATURES HAVE BEEN FIELD LOCATED AND SURVEYED TO ASSIST IN THE DEPICTION OF THE UTILITIES SHOWN ON THE RECORDS. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED. UTILITIES WITH A QL-C LABEL ARE DEPICTED BASED ON PROFESSIONAL JUDGMENT OF THE CORRELATION OF THE SURVEYED SURFACE FEATURES AND THE UTILITY RECORDS RECEIVED.
- 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 GEOPHYSICAL DATA. ACTUAL DUCT BANK MAY BE LARGER DUE TO POSSIBLE CONCRETE ENCASEMENT NOT ABLE TO BE DETECTED BY GEOPHYSICAL METHODS. TEST HOLES REQUIRED FOR POSITIVE VERIFICATION OF ACTUAL EDGES.
- UTILITY BOTTOM SHOWN IS APPARENT BOTTOM. ACTUAL BOTTOM, ADDITIONAL MATERIAL AND/OR OTHER UTILITIES MAY EXIST BELOW APPARENT BOTTOM.
- UTILITIES SHOWN OUTSIDE OF LIMITS OF INVESTIGATION 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 03/16/2022. TEST HOLES WERE COMPLETED ON 4/18/2024. 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.
- STORM DRAIN EXCLUDED FROM SCOPE OF INVESTIGATION. SHOWN AT QL-D AS REFERENCE INFORMATION ONLY.
- HORIZONTAL DATUM: COORDINATES SHOWN ARE IN SURFACE USING A SURFACE ADJUSTMENT FACTOR OF 1.0004065325 TRUNCATED IN THE NORTHING BY -1000000 AND EASTING BY -3000000 AND BASED ON THE COLORADO STATE PLANE COORDINATE SYSTEM, NAD-83 (2011)
- VERTICAL DATUM: NAVD88

CHILLED WATER	CW(B)
ELECTRIC	E(B)
ELECTRIC DUCT BANK	EDB(B)
FIBER OPTIC	FO(B)
FIRE WATER	FW(B)
GAS	G(B)
HOT WATER	HW(B)
IRRIGATION	IRR(B)
PIPELINE	PL(B)
RAW WATER	RW(B)
RECLAIMED WATER	RCL(B)
SANITARY SEWER/WASTE WATER	SS(B)
SEWER FORCE MAIN	SFM(B)
STEAM	STM(B)
STORM DRAIN	SD(B)
STREET LIGHTING	SL(B)
TELECOMM DUCT BANK	TDB(B)
TELEPHONE	T(B)
TELEVISION	TV(B)
TRAFFIC	TC(B)
UNKNOWN	UNK(B)
WATER	W(B)
LIMITS OF INVESTIGATION	

QUALITY LEVEL B	CW(B)
	E(B)
	EDB(B)
	FO(B)
	FW(B)
	G(B)
	HW(B)
	IRR(B)
	PL(B)
	RW(B)
	RCL(B)
	SS(B)
	SFM(B)
	STM(B)
	SD(B)
	SL(B)
	TDB(B)
	T(B)
	TV(B)
	TC(B)
	UNK(B)
	W(B)

QUALITY LEVEL C	CW(C)
	E(C)
	EDB(C)
	FO(C)
	FW(C)
	G(C)
	HW(C)
	IRR(C)
	PL(C)
	RW(C)
	RCL(C)
	SS(C)
	SFM(C)
	STM(C)
	SD(C)
	SL(C)
	TDB(C)
	T(C)
	TV(C)
	TC(C)
	UNK(C)
	W(C)

QUALITY LEVEL D	CW(D)
	E(D)
	EDB(D)
	FO(D)
	FW(D)
	G(D)
	HW(D)
	IRR(D)
	PL(D)
	RW(D)
	RCL(D)
	SS(D)
	SFM(D)
	STM(D)
	SD(D)
	SL(D)
	TDB(D)
	T(D)
	TV(D)
	TC(D)
	UNK(D)
	W(D)

OVERHEAD	OHE
	OFO
	OSL
	OHT
	OTV
	OTC

ELECTRIC

	METER
	PEDESTAL
	MANHOLE
	CABINET
	PULL BOX
	POWER POLE
	SWITCH GEAR
	TRANSFORMER
	MARKER

STORM SEWER

	STORM MANHOLE
	GRATE INLET
	CURB INLET
	CULVERT
	STORM SEWER MARKER

TRAFFIC

	SIGNAL PULL BOX
	PEDESTRIAN SIGNAL
	SIGNAL CABINET
	CAMERA
	LIGHT POLE
	WARNING LIGHT
	MESSAGE BOARD

RAILROAD

	CABINET
	SIGNAL STANDARD
	CROSSING SIGN
	CROSSING GATE
	MILE POST

TELEVISION

	CABINET
	HAND HOLE
	PEDESTAL
	MANHOLE
	MARKER
	VAULT (DOOR)

GAS

	METER
	REGULATOR STATION
	TEST STATION
	VALVE
	VENT
	MARKER
	RISER
	MANHOLE

FIBER OPTIC

	FIBER TEST STATION
	CABINET
	HAND HOLE
	PEDESTAL
	MANHOLE
	MARKER
	VAULT (DOOR)

CONTROL

	CHECK SHOT
	CONTROL POINT
	TEMPORARY BENCHMARK

TELEPHONE

	MANHOLE
	HAND HOLE
	CABINET
	PEDESTAL
	REPEATER
	VAULT (DOOR)
	MARKER
	CROSS BOX
	AIR VALVE

PIPELINE

	REGULATOR STATION
	MARKER
	TEST STATION
	RISER
	VENT

SANITARY SEWER

	CLEAN OUT
	MANHOLE
	VENT
	MARKER
	SEPTIC TANK
	AIR RELEASE VALVE
	LIFT STATION

RECLAIMED/IRRIGATION

	HYDRANT
	VALVE
	IRRIGATION CONTROL VALVE
	IRRIGATION STAND PIPE

STREET LIGHT

	HIGH MAST LIGHT TOWER
	LIGHT POLE
	LIGHT BASE
	PULL BOX

WATER

	FIRE HYDRANT
	WATER RISER
	HOSE BIBB (FAUCET)
	MANHOLE
	VENT
	BLOW OFF
	METER
	VALVE
	WELL
	TEST STATION
	MARKER
	POST INDICATOR VALVE

UNKNOWN

	MANHOLE
	VALVE
	BOX
	VENT

GENERIC

	TEST HOLE
	MONITORING WELL
	EOI
	COMM DUCT BANK MANHOLE

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
PE	POLYETHYLENE
PVC	POLYVINYL CHLORIDE
PR	PAIR
RCP	REINFORCED CONCRETE PIPE
SAMH	SANITARY SEWER MANHOLE
STMH	STORM SEWER MANHOLE
VCP	VITRIFIED CLAY PIPE

OVERHEAD

	TRANSMISSION TOWER LEG
	SERVICE POLE
	SAG ELEVATION
	GUY WIRE
	LUMINAIR ON POLE



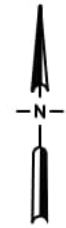
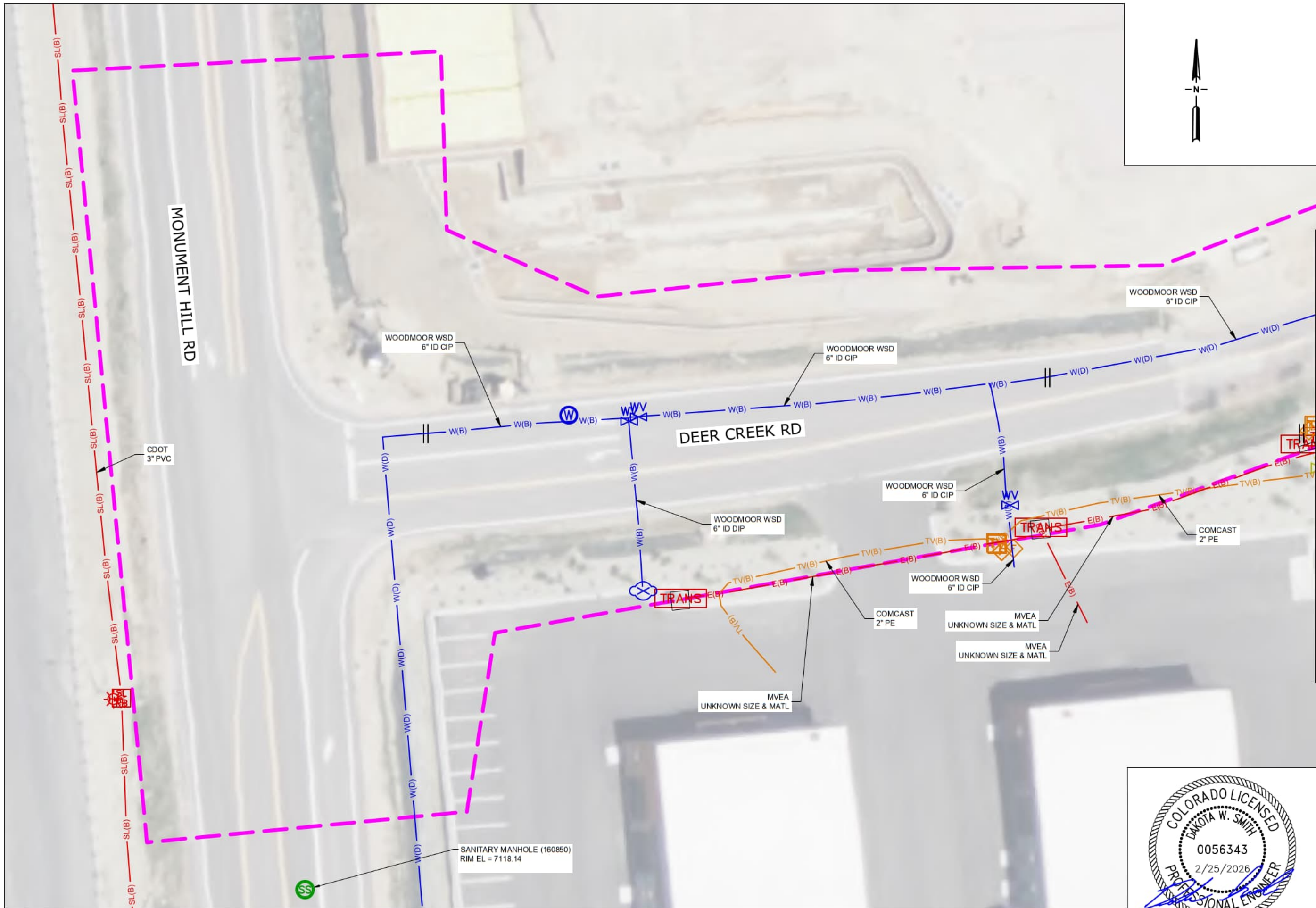
LAMB-STAR ENGINEERING, LLC.

1440 BRICKYARD RD UNITS 3 AND 4
GOLDEN, CO 80403 (720)547-5222



GENERAL NOTES & LEGEND

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Drawn	
Checked	
Date Checked	1/16/2021
Date Modified	
Scale	1" = 30'
Job No.	820141.01



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MATCHLINE SEE SHEET 4

SHEET 3

DEER CREEK ROAD



Design	M. BRYAN
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Date Checked	1/16/2021
Date Modified	
Scale	1" = 30'
Job No.	820141.01

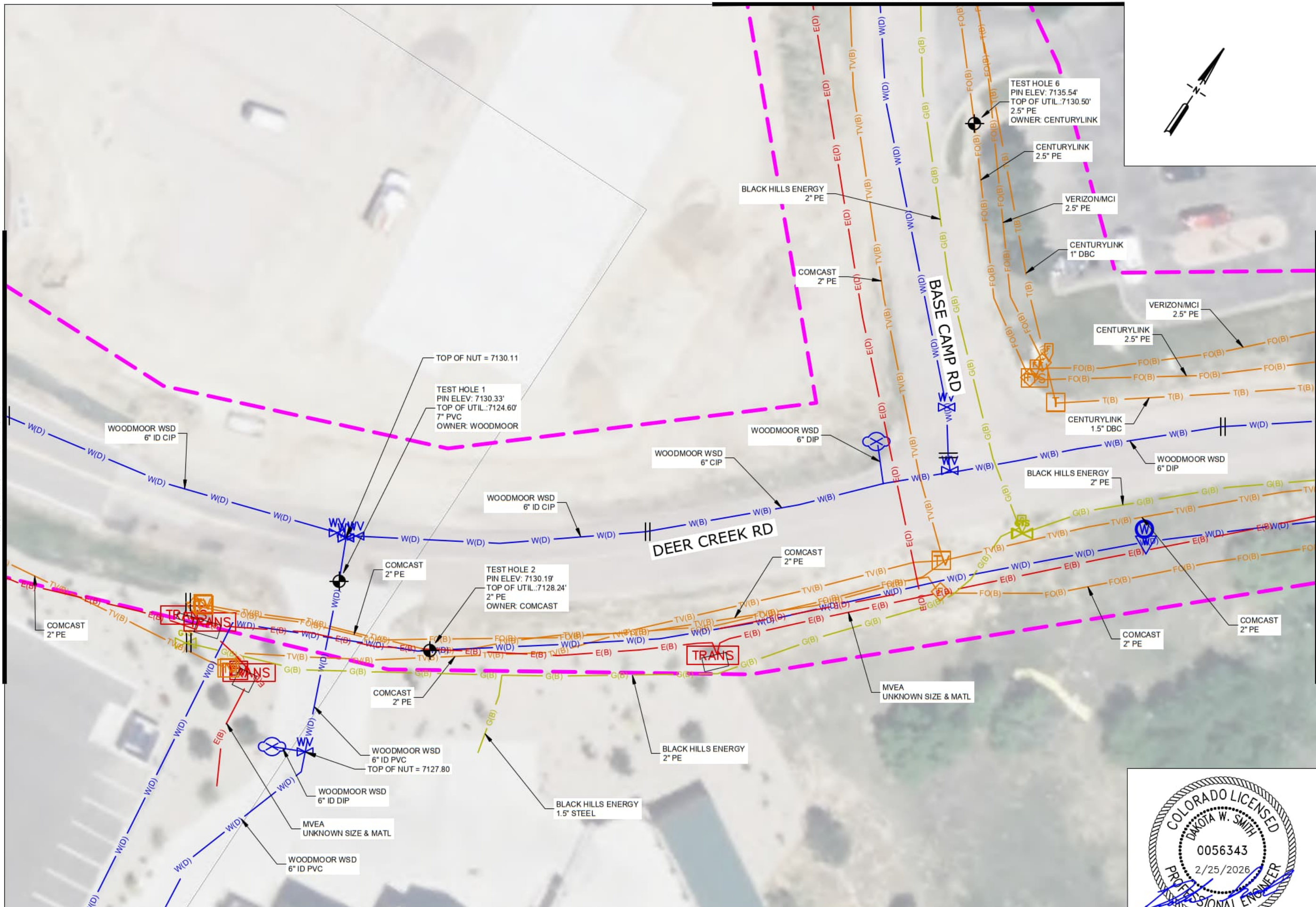
SHEET
3
OF 11 SHEETS

MATCHLINE SEE SHEET 8



MATCHLINE SEE SHEET 3

MATCHLINE SEE SHEET 5



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GOLDEN, CO 80403 (720)547-5222



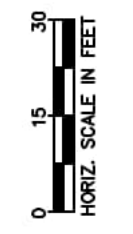
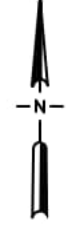
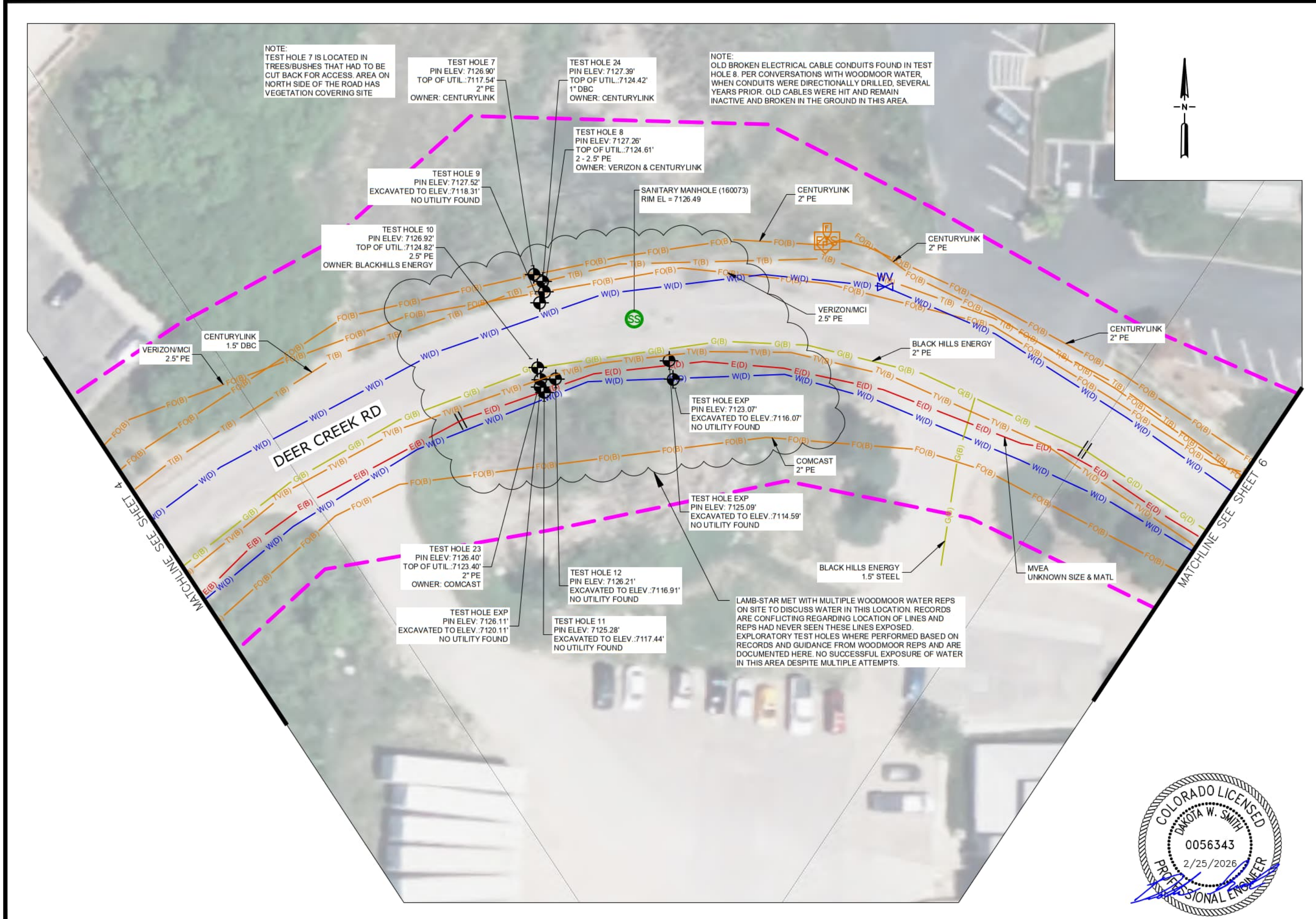
SHEET 4

DEER CREEK ROAD



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Date Modified	
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Job No.	820141.01

SHEET
4
OF 11 SHEETS



LAMB-STAR ENGINEERING, LLC.
 1440 BRICKYARD RD UNITS 3 AND 4
 GOLDEN, CO 80403 (720)547-5222



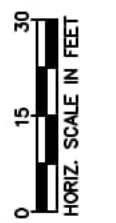
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 DEER CREEK ROAD



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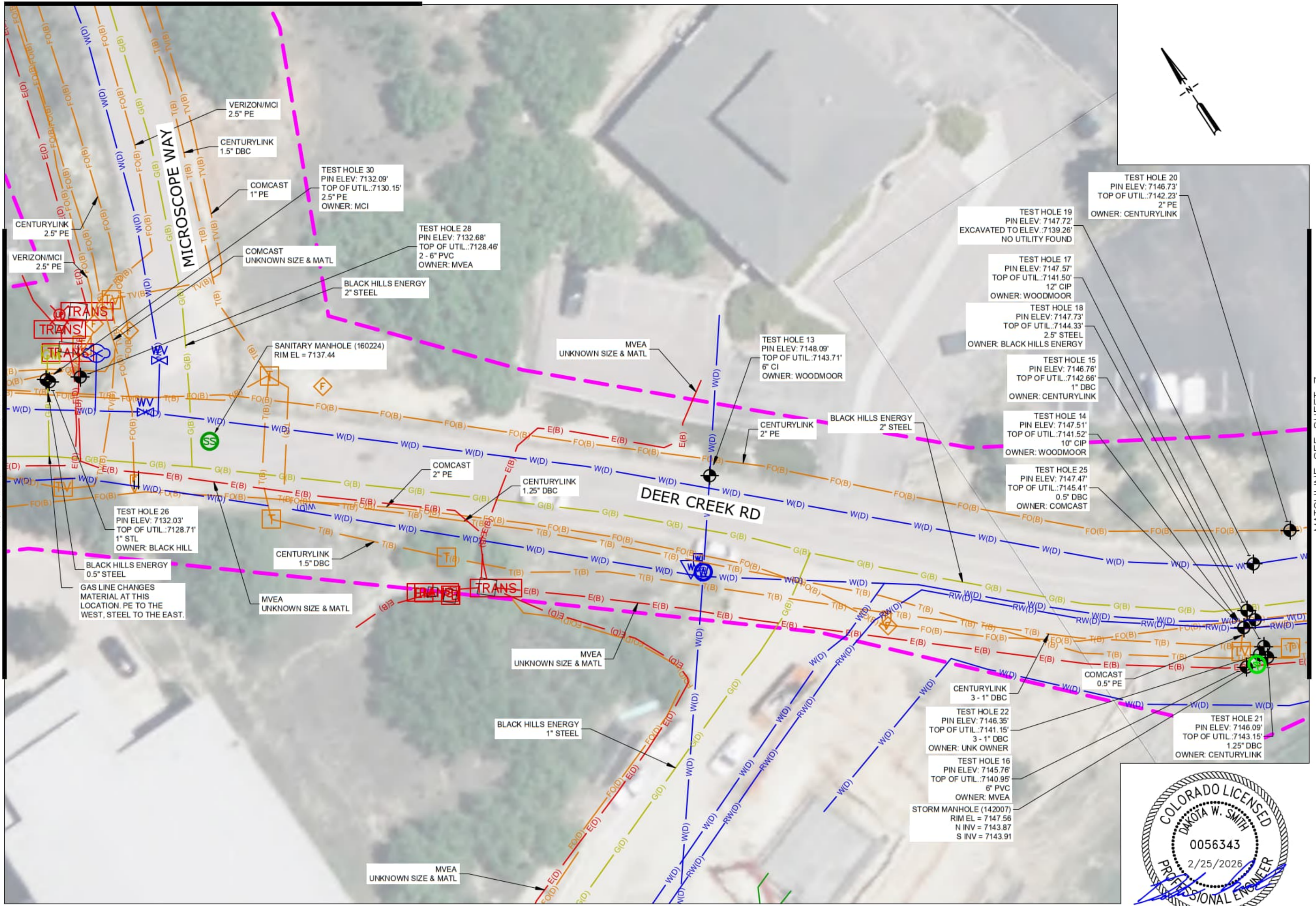
SHEET
5
 OF 11 SHEETS

MATCHLINE SEE SHEET 10



MATCHLINE SEE SHEET 5

MATCHLINE SEE SHEET 7



LAMB-STAR ENGINEERING, LLC.

1440 BRICKYARD RD UNITS 3 AND 4
GOLDEN, CO 80403 (720)547-5222



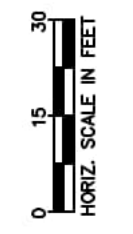
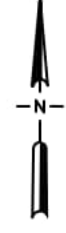
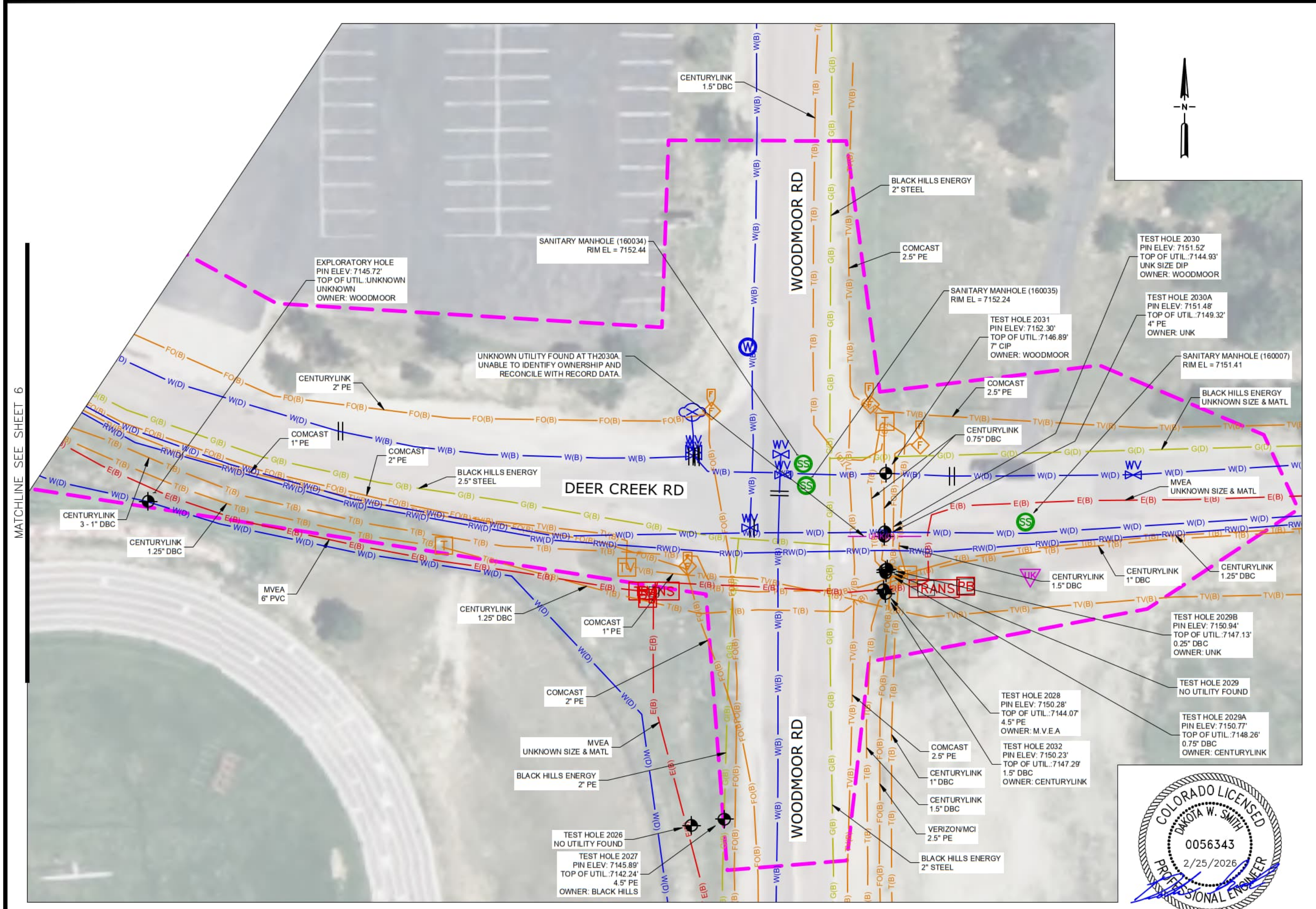
SHEET 6

DEER CREEK ROAD



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Date Created	1/16/2021
Date Modified	
Scale	1" = 30'
Job No.	820141.01

SHEET 6 OF 11 SHEETS



LAMB-STAR ENGINEERING, LLC.
 1440 BRICKYARD RD UNITS 3 AND 4
 GOLDEN, CO 80403 (720)547-5222



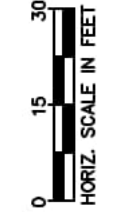
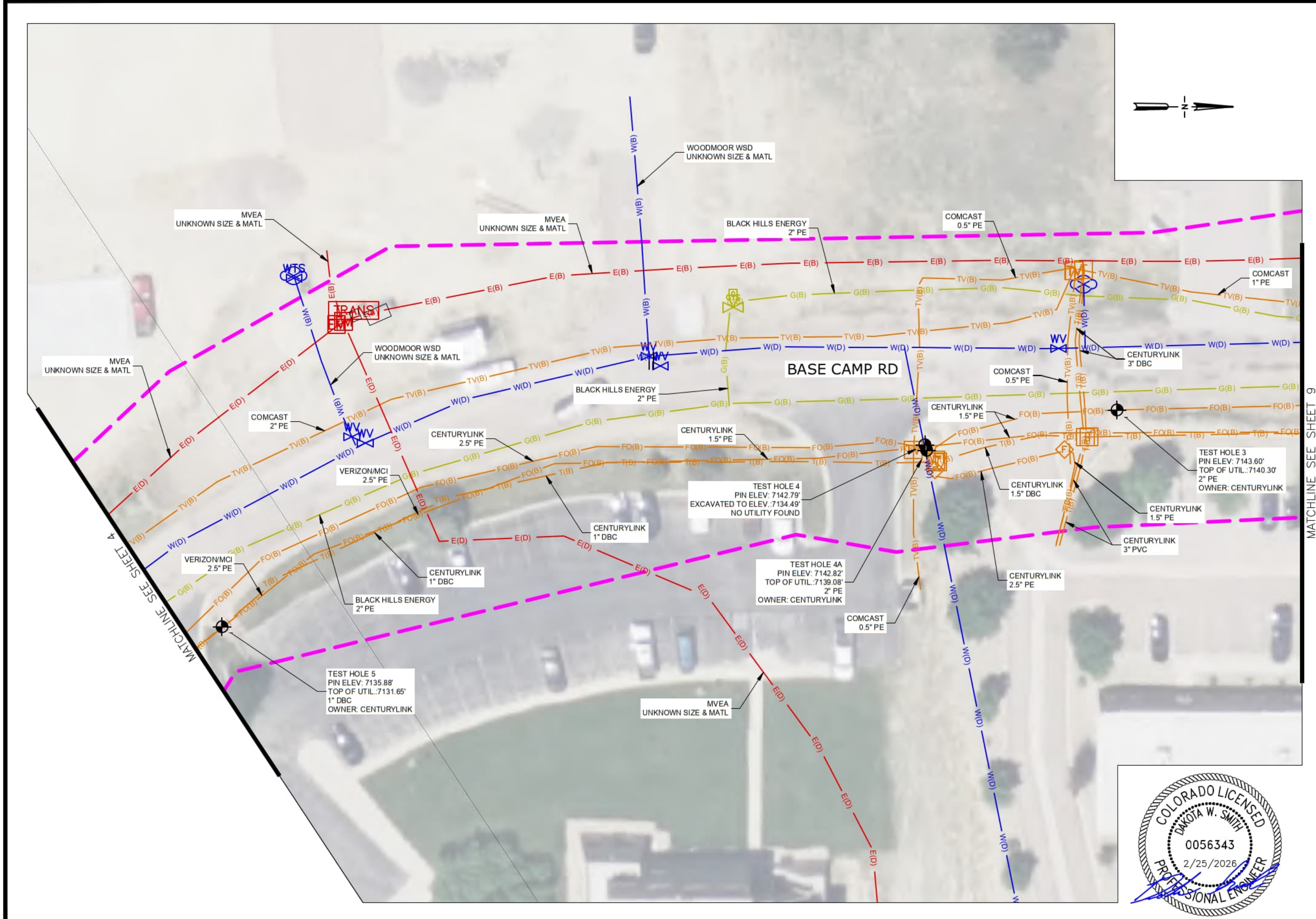
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 DEER CREEK ROAD



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Checked	1/16/2021
Date Created	
Date Modified	
Scale	1" = 30'
Job No.	820141.01

SHEET
7
 OF 11 SHEETS

MATCHLINE SEE SHEET 6



LAMB-STAR ENGINEERING, LLC.
 1440 BRICKYARD RD UNITS 3 AND 4
 GOLDEN, CO 80403 (720)547-5222



MATCHLINE SEE SHEET 9

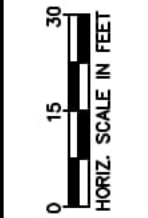
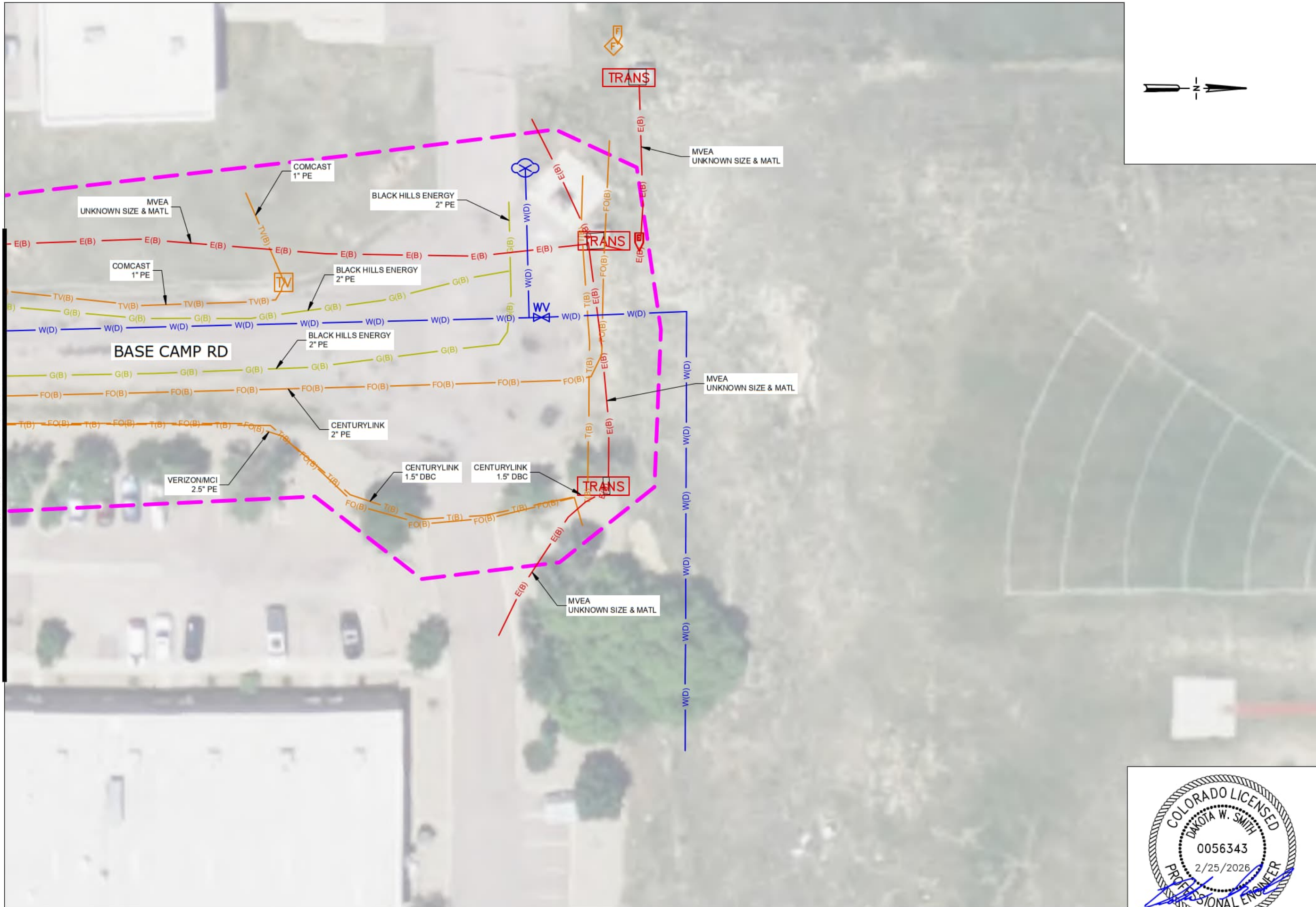
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 DEER CREEK ROAD



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Date Created	1/19/2021
Date Modified	
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Job No.	820141.01

SHEET
8
 OF 11 SHEETS

MATCHLINE SEE SHEET 8



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 1440 BRICKYARD RD UNITS 3 AND 4
 GOLDEN, CO 80403 (720)547-5222

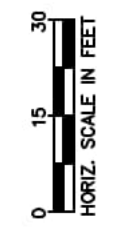
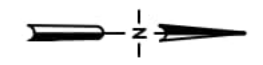
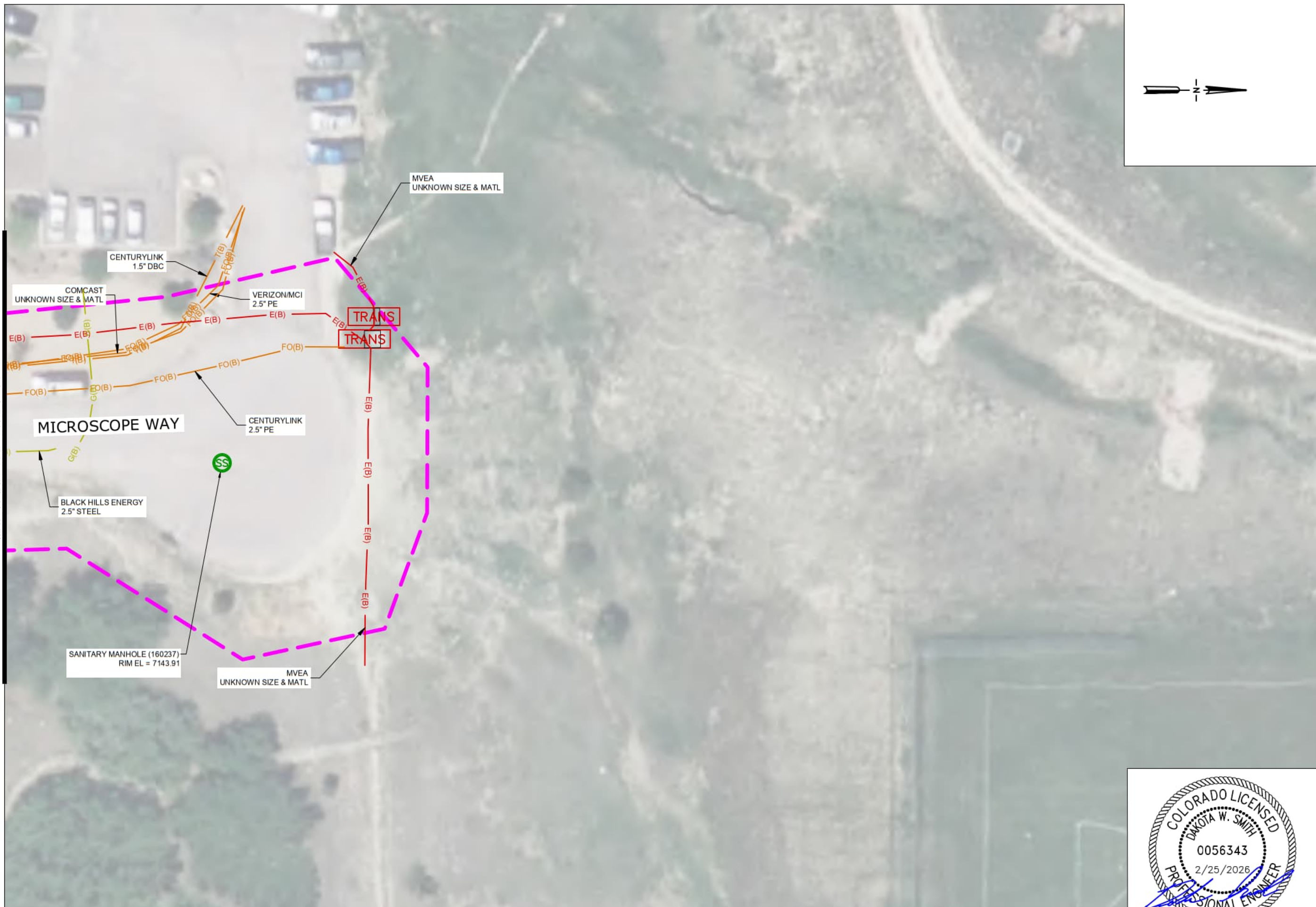


SHEET 9
 DEER CREEK ROAD

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Drawn	M. BRYAN
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Date Checked	1/19/2021
Date Modified	
Scale	1" = 30'
Job No.	820141.01

SHEET
9
 OF 11 SHEETS

MATCHLINE SEE SHEET 10



LAMB-STAR ENGINEERING, LLC.
 1440 BRICKYARD RD UNITS 3 AND 4
 GOLDEN, CO 80403 (720)547-5222



SHEET 11
 DEER CREEK ROAD

Design	M. BRYAN
Drawn	M. BRYAN
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Date Modified	
Scale	1" = 30'
Job No.	820141.01

SHEET
11
 OF 11 SHEETS





Lamb-Star Engineering
 1440 Brickyard Rd
 Units 3 & 4
 Golden, CO
 (720) 547-5222

Summary of Test Hole Information and Coordinates

Project Name: Deer Creek Rd	General Location: Deer Creek Rd, Base Camp Rd	Field Manager: J. Hurt
Client Name: B2011414.01		Technicians: JH TT
Client Proj. No.:		Vacuum Excavation Truck/Trailer: 9991
LSE Proj. No.: B2011414.01	City/Town: Monument County: El Paso State: Colorado	Designating Truck: 5558

Test Hole #	Owner	Utility Size, O.D. (Inches)	Utility Material (Refer to Legend)	Utility Type (Refer to Legend)	Depth to Top of Utility (Feet)	Cross Sectional View	General Utility Direction	Surface Type and Thickness (Inches) C - Concrete AC - Asphalt NG - Nat. Grd	ID'd By: 1: 5/8" Iron Rod/Cap 2: Nail/Disk 3: 'X' in Conc.	Date Test Hole Excavated	Utility Observed (Yes or No)	Survey Point #	Northing (Y)	Easting (X)	Surface Elevation (Z)	Top of Utility Elevation	Test Hole Notes
01	Woodmoor	7.00	PVC	W	5.73	○	↕	AC 4	NAIL / DISK	10-9-2022	YES	161141	464486.89	182107.23	7130.33	7124.60	
02	Comcast	2.00	PE	CTV	1.95	○	↗	NG N/A	5/8" IR W/ CAP	8-9-2022	YES	142013	464484.26	182144.96	7130.19	7128.24	
03	CenturyLink	2.00	PE	FOC	3.30	○	↕	NG N/A	5/8" IR W/ CAP	8-9-2022	YES	142021	465077.28	182097.27	7143.60	7140.30	
04	Woodmoor	UNK	UNK	W	8.30	UNK	UNK	NG N/A	5/8" IR W/ CAP	10-9-2022	NO	161142	465011.76	182109.13	7142.79	7134.49	Excavated 8.30' - No Utility Found
04A	CenturyLink	2.0	PE	FOC	3.74	○	↗	NG N/A	5/8" IR W/ CAP	10-9-2022	YES	161143	465012.38	182110.99	7142.82	7139.08	crew discovered fiber line while digging for water
05	CenturyLink	1.0	DBC	BT	4.23	○	↕	NG N/A	5/8" IR W/ CAP	8-9-2022	YES	142020	464771.91	182171.29	7135.88	7131.65	
06	CenturyLink	2.5	PE	FOC	5.04	○	↗	NG N/A	5/8" IR W/ CAP	8-9-2022	YES	142019	464729.31	182199.67	7135.54	7130.50	
07	CenturyLink	2.0	PE	FOC	9.36	○	↔	NG N/A	5/8" IR W/ CAP	10-8-2022	YES	161139	464792.74	182479.10	7126.90	7117.54	
08	Verizon/Centurylink	2.5	PE	FOC	2.65	○○	↔	NG N/A	5/8" IR W/ CAP	10-8-2022	YES	161148	464786.87	182482.67	7127.26	7124.61	2 lines from different owners, cut electrical cable found in hole wrap
09	Woodmoor	0.0	UNK	W	9.21	UNK	UNK	AC 4	NAIL / DISK	10-8-2022	NO	161149	464783.08	182481.09	7127.52	7118.31	Excavated 9.21' - No Utility Found
10	Black Hills Energy	2.5	PE	G	2.10	○	↔	AC 3	NAIL / DISK	10-9-2022	YES	161150	464760.98	182480.34	7126.92	7124.82	
11	MVEA	0.0	UNK	E	7.84	UNK	UNK	NG N/A	5/8" IR W/ CAP	10-9-2022	NO	161151	464752.51	182482.61	7125.28	7117.44	Excavated 7.84' - No Utility Found
12	Woodmoor	0.0	UNK	W	9.30	UNK	UNK	NG N/A	5/8" IR W/ CAP	10-9-2022	NO	161152	464757.15	182486.47	7126.21	7116.91	Excavated 9.30' - No Utility Found
13	Woodmoor	6.0	CI	W	4.38	○	↔	AC 3	NAIL / DISK	10-8-2022	YES	161144	464569.62	182901.02	7148.09	7143.71	
14	Woodmoor	10.0	CI	W	5.99	○	↔	NG N/A	5/8" IR W/ CAP	10-18-2022	YES	161177	464428.61	183021.00	7147.51	7141.52	
15	CenturyLink	1.0	DBC	BT	4.10	○	↔	NG N/A	5/8" IR W/ CAP	8-8-2022	YES	142003	464419.68	183023.07	7146.76	7142.66	
16	MVEA	6.0	PVC	E	4.81	○	↔	NG N/A	5/8" IR W/ CAP	8-8-2022	YES	142000	464417.18	183014.45	7145.76	7140.95	
17	Woodmoor	12.0	CI	W	6.07	○	↔	AC 1	NAIL / DISK	10-8-2022	YES	161147	464428.69	183025.59	7147.57	7141.50	
18	Black Hills Energy	2.5	STL	G	3.40	○	↔	AC 3	NAIL / DISK	10-8-2022	YES	161146	464432.84	183025.08	7147.73	7144.33	
19	Woodmoor	0.0	UNK	W	8.46	UNK	UNK	AC 3	NAIL / DISK	10-8-2022	NO	161145	464444.57	183035.48	7147.72	7139.26	Excavated 8.46' - No Utility Found

Notes: COORDINATES SHOWN ARE IN SURFACE WITH TRUNCATED COORDINATES IN NORTHING OF -999593.6325 AND EASTING OF -2998780.8985 MULTIPLIED BY A SAF OF 1.0004065325 AND BASED ON THE CO STATE PLANE COORDINATE SYSTEM, NAD-83 (2011) CENTRAL ZONE (502)
 ELEVATIONS SHOWN ARE BASED ON THE NAVD-88 VERTICAL DATUM.

Utility Materials:		
STL - Steel	PVC - Polyvinyl Chloride	CSC - Concrete/Steel Cylinder
PE - Polyethylene	DBC - Direct Buried Cable	CMP - Corrugated Metal Pipe
AC - Transite	RCP - Reinforced Concrete Pipe	COP - Copper
CI - Cast Iron	VC - Vitrified Clay	CONC - Concrete Encased
DI - Ductile Iron	FG - Fiberglass	I - Iron

Utility Types:		
E - Electric	BT - Buried Telephone	TS - Traffic Signal
G - Gas	FOC - Fiber Optic Cable	FM - Force Main
W - Water	SAN - Sanitary Sewer	ITS - Intelligent Traffic Systems
PL - Pipe Line	STM - Storm Sewer	GEO - Geothermal
FL - Fuel Line	CTV - Cable Television	-



Lamb-Star Engineering
 1440 Brickyard Rd
 Units 3 & 4
 Golden, CO
 (720) 547-5222

Summary of Test Hole Information and Coordinates

Project Name: Deer Creek Rd	General Location: Deer Creek Rd, Base Camp Rd	Field Manager: J. Hurt
Client Name: AECOM		Technicians: JH TT
Client Proj. No.:		Vacuum Excavation Truck/Trailer: 9991 9991
LSE Proj. No.: B2011414.01	City/Town: Monument County: El Paso State: Texas	Designating Truck: 3162 5558 9450

Test Hole #	Owner	Utility Size, O.D. (Inches)	Utility Material (Refer to Legend)	Utility Type (Refer to Legend)	Depth to Top of Utility (Feet)	Cross Sectional View	General Utility Direction	Surface Type and Thickness (Inches) C - Concrete AC - Asphalt NG - Nat. Grd	ID'd By: 1: 5/8" Iron Rod/Cap 2: Nail/Disk 3: 'X'in Conc.	Date Test Hole Excavated	Utility Observed (Yes or No)	Survey Point #	Northing (Y)	Easting (X)	Surface Elevation (Z)	Top of Utility Elevation	Test Hole Notes
20	CenturyLink	2.0	PE	FOC	4.50	○	↗	NG N/A	5/8"IR W/ CAP	8-8-2022	YES	142004	464447.07	183051.84	7146.73	7142.23	
21	CenturyLink	1.3	DBC	BT	2.94	○○○	↔	NG N/A	5/8"IR W/ CAP	8-8-2022	YES	142002	464415.96	183022.11	7146.09	7143.15	
22	Unknown	3 - 1	DBC	BT	5.20	○○○	↔	NG N/A	5/8"IR W/ CAP	8-8-2022	YES	142001	464418.21	183020.41	7146.35	7141.15	
23	Comcast	2.0	PE	CTV	3.00	○	↔	NG N/A	5/8"IR W/ CAP	8-11-2022	YES	142201	464756.93	182481.35	7126.40	7123.40	
24	CenturyLink	1.0	DBC	FOC	2.97	○	↗	NG N/A	5/8"IR W/ CAP	10-18-2022	YES	161140	464790.31	182482.11	7127.39	7124.42	
25	Comcast	0.5	DBC	CTV	2.06	○	↔	NG N/A	5/8"IR W/ CAP	10-18-2022	YES	161178	464428.64	183021.02	7147.47	7145.41	
EXP	Woodmoor	UNK	UNK	W	6.00	UNK	UNK	NG N/A	5/8"IR W/ CAP	10-18-2022	NO	161153	464754.43	182481.30	7126.11	7120.11	Excavated 6.00' - No Utility Found
EXP	Woodmoor	UNK	UNK	W	10.50	UNK	UNK	NG N/A	5/8"IR W/ CAP	10-18-2022	NO	161154	464763.40	182525.19	7125.09	7114.59	Excavated 10.50' - No Utility Found
EXP	Woodmoor	UNK	UNK	W	7.00	UNK	UNK	NG N/A	5/8"IR W/ CAP	10-18-2022	NO	161155	464756.96	182526.57	7123.07	7116.07	Excavated 7.00' - No Utility Found
26	Black Hills Energy	1.0	STL	G	3.32	○	↕	NG N/A	5/8"IR W/ CAP	12-9-2022	YES	161186	464717.87	182735.30	7132.03	7128.71	
27																	
28	MVEA	2 - 6	PVC	E	4.22	○○	↕	NG N/A	5/8"IR W/ CAP	12-9-2022	YES	161185	464713.46	182744.74	7132.68	7128.46	
29	Woodmoor	UNK	UNK	W	9.00	UNK	UNK	NG N/A	5/8"IR W/ CAP	12-12-2022	NO	161247	464387.35	183062.67	7145.72	7136.72	Excavated 9.00', probed 12.00' - No Utility Found
30	Verizon/MCI	2.5	PE	FOC	1.94	○	↔	NG N/A	5/8"IR W/ CAP	12-9-2022	YES	161187	464719.01	182734.76	7132.09	7130.15	
2026	MVEA	UNK	UNK	E	5.56	UNK	UNK	NG N/A	5/8"IR W/ CAP	4-14-2024	NO	161253	464276.72	183248.02	7145.26	7139.70	Excavated 5.56' - No Utility Found
2027	Black Hills Energy	4.5	PE	G	3.65	○	↕	NG N/A	5/8"IR W/ CAP	4-14-2024	YES	161252	464278.92	183259.27	7145.89	7142.24	
2028	MVEA	4.5	PE	E	6.21	○	↔	NG N/A	5/8"IR W/ CAP	4-14-2024	YES	161254	464357.30	183313.55	7150.28	7144.07	
2029	Woodmoor	UNK	UNK	W	8.00	UNK	UNK	NG N/A	5/8"IR W/ CAP	4-18-2024	NO	142213	464363.96	183314.21	7150.71	7142.71	Excavated 8.00' - No Utility Found
2029A	CenturyLink	0.8	DBC	BT	2.51	○	↗	NG N/A	5/8"IR W/ CAP	4-18-2024	YES	142214	464363.07	183314.38	7150.77	7148.26	
2029B	Unknown	0.3	DBC	BT	3.81	○	↗	NG N/A	5/8"IR W/ CAP	4-18-2024	YES	142215	464364.28	183314.83	7150.94	7147.13	

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Prepared By: MSB Date: 4/30/2024

Checked by: _____ Date: _____

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