

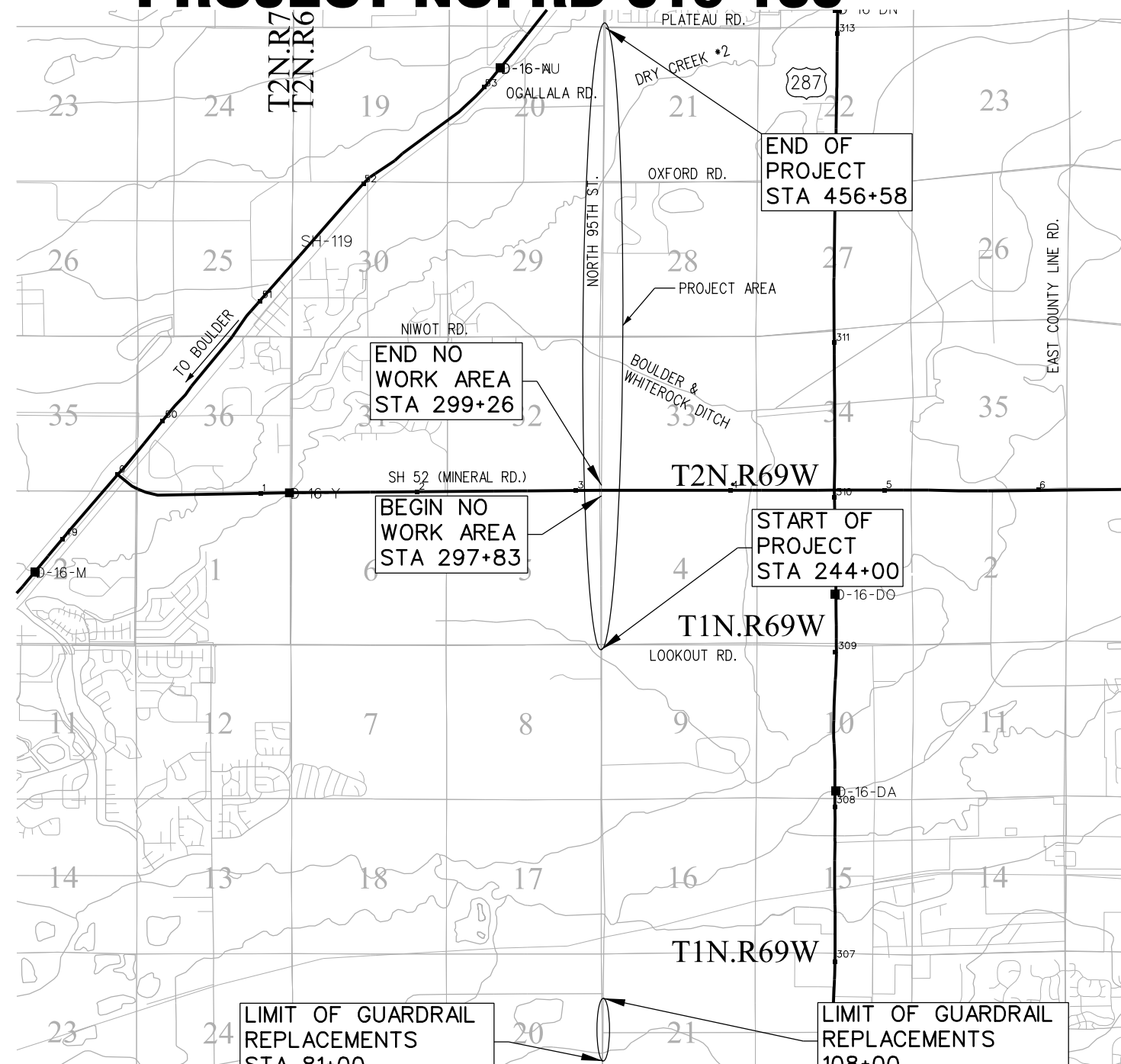
BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION NORTH 95TH STREET - LOOKOUT ROAD TO PLATEAU ROAD RECONSTRUCTION PROJECT PROJECT NO. RD-019-130

SCOPE OF WORK

THIS PROJECT CONSISTS OF FULL DEPTH RECONSTRUCTION, MILLING AND OVERLAY, AND WIDENING FOR A SECTION OF N. 95TH STREET FROM THE INTERSECTION WITH LOOKOUT RD. TO THE INTERSECTION WITH PLATEAU RD., EXCLUDING THE INTERSECTION WITH STATE HIGHWAY 52 (MINERAL RD.). THIS PROJECT USES THE BOULDER COUNTY STANDARD TYPICAL SECTION PROVIDING FOR 11 FOOT TRAVEL LANES AND 5 FOOT BIKEABLE SHOULDERS.

TABULATION OF LENGTH & DESIGN DATA		
STATION	LINEAR FEET	
	ROADWAY	MAJOR STR.
STA. 81+00 N. 95TH STREET BEGIN GUARDRAIL REPLACEMENT	300.00	
STA. 84+00 N. 95TH STREET END GUARDRAIL REPLACEMENT		
STA. 103+50 N. 95TH STREET BEGIN GUARDRAIL REPLACEMENT	450.00	
STA. 108+00 N. 95TH STREET END GUARDRAIL REPLACEMENT		
STA. 244+00 N. 95TH STREET BEGIN PROJECT	5,383.00	
STA. 297+83 N. 95TH STREET BEGIN NO WORK AREA		
STA. 299+26 N. 95TH STREET END NO WORK AREA		
STA. 456+58 N. 95TH STREET END PROJECT		
STA. 299+26 N. 95TH STREET END NO WORK AREA	15,732.00	
STA. 456+58 N. 95TH STREET END PROJECT		
TOTAL	21,865.00	0.00
SUMMARY OF PROJECT LENGTH	FEET	MILES
ROADWAY	21,865.00	4.14
MAJOR STRUCTURE	0.00	0.00
PROJECT GROSS LENGTH	21,865.00	4.14

DESIGN DATA	N. OF OGALLALA	S. OF OGALLALA
MINIMUM RADIUS OF CURVE	711 FT	926 FT
MAXIMUM SUPERELEVATION	4%	4%
MAXIMUM GRADE	MATCH EXIST (7.33%)	5%
MINIMUM S.S.D.	360 FT	425 FT
MINIMUM K - CREST	61	84
MINIMUM K - SAG	79	96
DESIGN SPEED	40 MPH	50 MPH
CLEAR ZONE	16 FT	24 FT
2016 DESIGN TRAFFIC	7100 ADT (S. OF NIWOT RD)	7900 ADT (N. OF NIWOT RD)



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RFC SET
February 14, 2019



Know what's below.
Call before you dig.



APPROVED FOR CONSTRUCTION:

MICHAEL A. THOMAS, P.E.
COUNTY ENGINEER
2/19/2019
DATE

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RFC	 CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REVISION DESCRIPTION:</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> </tbody> </table>	NO.	DATE	REVISION DESCRIPTION:										 BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION AECOM	DESIGNED: JTS CAD: MPR CHECKED: CDL DATE: 02/14/2019	95TH STREET TITLE SHEET PROJECT NO: 74030 SHEET NO: 1
NO.	DATE	REVISION DESCRIPTION:															

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COLORADO
DEPARTMENT OF TRANSPORTATION
M&S STANDARDS PLANS LIST
 July 04, 2012
 Revised on July 16, 2018

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

NEW OR REVISED STANDARD PLAN SHEETS APPLICABLE TO THIS PROJECT, INDICATED BY A MARKED BOX ■, WILL BE ATTACHED TO THE PLANS.



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GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH 2017 COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, PROJECT SPECIAL PROVISIONS, M & S STANDARDS, BOULDER COUNTY MULTIMODAL TRANSPORTATION STANDARDS, STANDARD SPECIAL PROVISIONS AND THESE DRAWINGS.
2. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE ENGINEER OR APPLICABLE ENTITY.
3. THE ENGINEER SHALL BE NOTIFIED 72 HOURS 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. THE CONTRACTOR SHALL HAVE NO CONSTRUCTION ACCESS OUTSIDE OF THE ROW EXCEPT AS NOTED IN THE PLANS OR APPROVED BY THE ENGINEER.
6. THE CONTRACTOR SHALL NOT STAGE EQUIPMENT OR MATERIALS WITHIN THE FLOODPLAIN LIMITS SHOWN IN THESE PLANS.
7. THE CONTRACTOR SHALL PROTECT ALL RANGE POINTS, TIES, BENCHMARKS, OR OTHER SURVEY CONTROL POINTS WHICH MAY BE ENCOUNTERED DURING CONSTRUCTION THAT ARE DESIGNATED TO REMAIN, FROM DAMAGE. ANY MONUMENTS DISTURBED BY THE CONTRACTOR, DURING CONSTRUCTION OPERATION, SHALL BE RESET BY THE CONTRACTOR AT HIS OWN EXPENSE. THE CONTRACTOR AND THE ENGINEER SHALL NOTE THOSE MONUMENTS IN THE FIELD PRIOR TO CONSTRUCTION.
8. UTILITY LINES AS SHOWN ON THE PLAN SHEETS ARE PLOTTED FROM THE BEST AVAILABLE INFORMATION. SOME DATA HAS BEEN MODIFIED FROM THE ORIGINAL SURVEY BASED ON ADDITIONAL INFORMATION AND FIELD VISITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND PROTECTION OF ALL UTILITIES AND STRUCTURES AFFECTED BY THE WORK AND ANY DAMAGE SHALL BE REPAIRED AND RESTORED TO THE SATISFACTION OF THE ENGINEER OR APPLICABLE ENTITY.
9. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO AT 811 AT LEAST THREE BUSINESS DAYS IN ADVANCE OF ANY EXCAVATING OR GRADING.
10. THE 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.
11. THE CONTRACTOR SHALL COORDINATE WITH AFFECTED UTILITY OWNERS TO FACILITATE THE RELOCATION OF UTILITIES DESIGNATED IN THE PLANS AS "TO BE RELOCATED BY OTHERS".
12. WHERE NEW PAVEMENT IS TO ABUT EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE REMOVED TO A NEAT VERTICAL LINE BY FULL DEPTH SAWING. SAW CUTTING OF JOINTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.
13. THE FOLLOWING SHALL BE FURNISHED WITH EACH ASPHALT PAVEMENT. THIS EQUIPMENT SHALL BE USED ON ALL PASSES AND LIFTS OF HOT MIX ASPHALT PAVEMENT PLACED.
 1. A SKI TYPE DEVICE AT LEAST 30 FEET IN LENGTH
 2. SHORT SKI OR SHORT SHOE
 3. AT LEAST 1500 FEET OF CONTROL LINE AND STAKES
14. ANY LAYER OF ASPHALT PAVEMENT THAT IS TO HAVE A SUCCEEDING LAYER PLACED THEREON SHALL BE COMPLETED FULL WIDTH BEFORE SUCCEEDING LAYER IS PLACED.
15. TACK COAT SHALL BE PLACED BETWEEN HMA LIFTS. TACK COAT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.
16. BEFORE PLACEMENT OF THE TACK COAT, THE CONTRACTOR SHALL CLEAN THE EXISTING PAVEMENT SURFACE BY MEANS OF A POWER BROOM VACUUM SYSTEM OR OTHER APPROVED METHOD. CLEANING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE WORK.
17. FOR PLAN QUANTITIES OF PAVEMENT MATERIALS, THE FOLLOWING RATES OF APPLICATION WERE USED:

TACK COAT DILUTED EMULSIFIED ASPHALT @ 0.1 GALS./SQ. YD. (DILUTED)
 DILUTED EMULSIFIED ASPHALT FOR TACK COAT SHALL CONSIST OF 1 PART
 EMULSIFIED ASPHALT AND 1 PART WATER
 HOT MIX ASPHALT @ 110 LBS./SQ. YD./INCH
 ABC @ 133 LBS./CU. FT.
18. ALL ACCESSES TO BUSINESSES OR DRIVEWAYS TO REMAIN OPEN AT ALL TIMES.
19. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN TEMPORARY TRAFFIC CONTROL DEVICES NECESSARY THROUGHOUT THE DURATION OF CONSTRUCTION IN CONFORMANCE WITH TRAFFIC CONTROL PLANS.
20. THE CONTRACTOR SHALL MAINTAIN PAVEMENT MARKINGS ON THE ROADWAYS DURING ALL PHASES OF CONSTRUCTION IN ACCORDANCE WITH MUTCD AND CDOT STANDARDS.

GENERAL NOTES (CONT'D):

21. WATER SHALL BE USED AS A DUST PALLIATIVE WHERE REQUIRED. LOCATIONS SHALL BE AS ORDERED. WATER WILL NOT BE PAID FOR SEPARATELY.
22. DEPTH OF MOISTURE-DENSITY CONTROL FOR THIS PROJECT SHALL BE AS FOLLOWS:
 - RECOMPACTED ROADWAY SUBGRADE - 12" BELOW EMBANKMENT MATERIAL.
 - FULL DEPTH OF EMBANKMENTS FOR ALL ROADWAYS AND DETOURS
 - BASES OF CUTS AND FILLS - 6" DEPTH BELOW EXISTING GROUND
 EXCAVATION REQUIRED FOR COMPACTION OF BASES AND CUTS AND FILLS AND RECOMPACTED SUBGRADE WILL BE CONSIDERED SUBSIDIARY TO EARTHWORK OPERATIONS AND WILL NOT BE PAID FOR SEPARATELY.
23. 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.
24. THE ENTIRE CORRIDOR SHALL BE SWEEPED PRIOR TO FINAL STRIPING.
25. IT IS ESTIMATED THE FOLLOWING WILL BE REQUIRED:
 - MOBILIZATION - 1LS
 - CLEARING AND GRUBBING - 1LS
 - HOT MIX ASPHALT (PATCHING) - 50 TONS (TO BE PLACED AS DIRECTED BY THE ENGINEER)
 - PROOF ROLLING - 30 HRS
 - POTHOLING - 24 HOURS
 - WILDLIFE BIOLOGIST - 40 HOURS
 - REMOVAL OF NESTS - 80 HOURS
 - EMULSIFIED ASPHALT (SLOW-SETTING) - 8303 GAL (TO BE INCLUDED IN HOT MIX ASPHALT PAVEMENT COST)
26. IT IS ESTIMATED THE FOLLOWING FIELD FACILITIES WILL BE REQUIRED:
 - SANITARY FACILITY: 2 EACH
27. EMBANKMENT MATERIAL IMPORTED ONTO THE PROJECT SHALL BE TESTED TO CONFIRM THAT ITS WATER SOLUBLE SULFATE CONTENT IS NOT GREATER THAN THAT CORRESPONDING TO SULFATE EXPOSURE CLASS 2.
28. DEWATERING SHALL BE INCLUDED IN THE WORK IF NECESSARY.
29. PIPE LENGTHS CALLED OUT IN THIS PLAN SET ARE THE ACTUAL LENGTH OF PIPE, AND DO NOT INCLUDE END SECTION LENGTHS. WHEN A PIPE CONNECTS TO AN INLET, THE INLET STATION AND OFFSET SHALL BE USED TO ALIGN THE PIPE. THE DISTANCE FROM THE INSIDE FACE OF THE INLET TO THE CENTER OF THE INLET IS NOT INCLUDED IN THE MEASURED PIPE LENGTH.
30. CURB AND GUTTER INFORMATION DESCRIBES THE FLOWLINES UNLESS SPECIFIED OTHERWISE.
31. ALL END SECTION INSTALLATIONS TO INCLUDE CONCRETE JOINT FASTENERS INSTALLED PER M-603-10.
32. CONTRACTOR SHALL CLEAN EXISTING BORROW DITCHES TO ENSURE PROPER DRAINAGE.
33. ALL EXISTING CULVERTS AND PIPES SHALL BE PROTECTED IN PLACE UNLESS NOTED OTHERWISE.
34. THE PROFILE GRADE LINE IS OFFSET FROM EXISTING GROUND LINE AND IS NOT INTENDED TO CORRECT EXISTING GRADE DEFICIENCIES.

ENVIRONMENTAL NOTES:

MIGRATORY BIRDS:

THE CONTRACTOR SHALL COMPLY WITH THE MIGRATORY BIRD TREATY ACT (MBTA) AT ALL TIMES, INCLUDING CONDUCTING PRE-CONSTRUCTION SURVEYS FOR NESTING BIRDS SET FORTH BY U.S. FISH AND WILDLIFE SERVICE (USFWS) AND THE COLORADO PARKS AND WILDLIFE (CPW). THE CONTRACTOR SHALL SCHEDULE WORK TO AVOID TAKING (PURSUE, HUNT, TAKE, CAPTURE OR KILL; ATTEMPT TO TAKE, CAPTURE, KILL OR POSSESS) MIGRATORY BIRDS PROTECTED BY THE MBTA. THE INCIDENTAL TAKING OF A MIGRATORY BIRD SHALL BE REPORTED TO THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PENALTIES LEVIED BY THE USFWS FOR THE TAKING OF A MIGRATORY BIRD. THE CONTRACTOR SHALL RETAIN A QUALIFIED WILDLIFE BIOLOGIST, WITH A MINIMUM OF THREE YEARS EXPERIENCE CONDUCTING MIGRATORY BIRD SURVEYS, TO IMPLEMENT THE REQUIREMENTS OF THE MBTA. THE CONTRACTOR SHALL SUBMIT DOCUMENTATION OF THE BIOLOGIST'S EDUCATION AND EXPERIENCE TO THE ENGINEER FOR ACCEPTANCE PRIOR TO COMMENCEMENT OF ANY ASSOCIATED WORK. A BIOLOGIST WITH LESS EXPERIENCE MAY BE USED BY THE CONTRACTOR SUBJECT TO THE ACCEPTANCE OF THE ENGINEER BASED ON REVIEW OF THE BIOLOGIST'S QUALIFICATIONS. DOCUMENTATION OF THE NEST SURVEYS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.

THE CONTRACTOR SHALL COMPLETE RAPTOR NEST SURVEYS TO EVALUATE THE PRESENCE OF ACTIVE RAPTOR NESTS WITHIN THE STUDY AREA. IF AN ACTIVE NEST IS LOCATED IN OR NEAR THE STUDY AREA, THE USFWS AND CPW SHALL BE CONTACTED REGARDING USE OF SEASONAL BUFFERS TO PREVENT DISTURBANCE TO NESTING BIRDS DURING CONSTRUCTION.

LAND-CLEARING ACTIVITIES IN NATURAL HABITATS SHALL BE TIMED TO AVOID THE BREEDING SEASON AND TO AVOID IMPACTS TO ACTIVE BIRD NESTS. IF REQUIRED, TREES SHALL BE CLEARED PRIOR TO FEBRUARY 15 OR AFTER AUGUST 31 TO PREVENT RAPTORS (AND OTHER BIRDS) FROM NESTING ON-SITE AND TO AVOID THE TAKING OF, OR DISTURBANCE TO, ACTIVE NESTS DURING THE BREEDING SEASON. WHERE WORK IS TO BE COMPLETED DURING THE NESTING SEASON, MIGRATORY BIRD SURVEYS WILL BE REQUIRED.

OTHER ENVIRONMENTAL:

IF PALEONTOLOGICAL (E.G., ANIMAL BONES OR FOSSILS) RESOURCES ARE DISCOVERED OR UNCOVERED DURING CONSTRUCTION, WORK WILL STOP IMMEDIATELY AND THE ENGINEER NOTIFIED SO FURTHER ACTIONS MAY BE TAKEN, INCLUDING RETAINING A CERTIFIED PALEONTOLOGIST.

IF ANY ARCHAEOLOGICAL RESOURCES ARE FOUND (E.G., BURIED STONE TOOLS OR PROJECTILE POINTS), WORK WILL BE IMMEDIATELY HALTED IN THE VICINITY OF THE FIND, THE ENGINEER NOTIFIED, AND A CERTIFIED ARCHEOLOGIST WILL BE PROMPTLY NOTIFIED.

IF BONES OF POTENTIAL HUMAN ORIGIN ARE DISCOVERED DURING CONSTRUCTION, GROUND-DISTURBING WORK MUST BE STOPPED IN THE VICINITY OF THE DISCOVERY, AND THE COUNTY CORONER, THE COUNTY SHERIFF, THE COLORADO STATE HISTORIC PRESERVATION OFFICER (SHPO), AND THE COLORADO STATE ARCHAEOLOGIST WILL BE PROMPTLY NOTIFIED. WORK CANNOT RESUME IN THE VICINITY OF THE FIND UNTIL CLEARANCE IS GRANTED.

THE CONTRACTOR SHALL DELINEATE AND PROTECT ALL WETLANDS WITHIN THE PROJECT AREA.

STORMWATER QUALITY PERMIT NOTES:

A BOULDER COUNTY STORMWATER QUALITY PERMIT (SWQP) IS REQUIRED FOR CONSTRUCTION PROJECTS THAT:

- A. DISTURB ONE ACRE OR MORE,
- B. ARE LESS THAN ONE ACRE AND CONSTRUCTION ACTIVITY IS PART OF A LARGER COMMON PLAN OF DEVELOPMENT THAT WILL ULTIMATELY DISTURB ONE ACRE OR MORE, EVEN IF MULTIPLE, SEPARATE, AND DISTINCT LAND DEVELOPMENT ACTIVITIES MAY TAKE PLACE AT DIFFERENT TIMES, OR
- C. ARE WITHIN 100 HORIZONTAL FEET OF A PERMANENT PERENNIAL STREAM OR A MAIN IRRIGATION DITCH. FOR MORE INFORMATION ON QUALIFYING WATERWAYS PROJECTS, REFER TO THE GUIDANCE FOR SMALL CONSTRUCTION PROJECTS AVAILABLE ON THE BOULDER COUNTY TRANSPORTATION DEPARTMENT WEBSITE: [HTTPS://WWW.BOULDERCOUNTY.ORG/TRANSPORTATION/PERMITS/STORMWATER-QUALITY-PERMIT/](https://www.bouldercounty.org/transportation/permits/stormwater-quality-permit/)

UTILITY NOTES:

IT IS EXPECTED THAT AN ABANDONED HIGH PRESSURE GAS LINE IS LOCATED UNDER THE SOUTHBOUND LANE OF THE EXISTING ROADWAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH UTILITY PROVIDERS AS REQUIRED, TO VERIFY THE LOCATION.

AN ON-SITE STANDBY IS REQUIRED FOR EXCAVATING OR POTHOLING WITHIN TEN FEET OF ANADARKO PIPELINES SOUTH OF LOOKOUT ROAD AND AT OGALLALA ROAD.

AN ON-SITE STANDBY IS REQUIRED FOR EXCAVATING OR POTHOLING WITHIN TEN FEET OF THE XCEL HIGH PRESSURE GAS PIPELINE WEST OF NORTH 95TH STREET.

PROJECT UTILITY CONTACTS

UTILITY/ AGENCY	CONTACT NAME	ADDRESS	TELEPHONE	EMAIL
Anadarko Petroleum	Don Marshall	501 N. Division Blvd., Platteville, CO 80651	303-981-9416	donald.marshall@anadarko.com
Boulder & Left Hand Irrigation Co.	Angie Swanson	PO Box 119, Longmont, CO 80502-0119	303-776-7207	arswanso@gmail.com
Boulder & White Rock Ditch & Reservoir Co.	Angie Swanson	PO Box 119, Longmont, CO 80502-0119	303-776-7207	arswanso@gmail.com
Century Link	Chris Janoski	5325 Zuni St., Denver, CO 80221	303-578-3187	christopher.janoski@centurylink.com
Comcast	Kevin Young	8490 N. Umatilla St., Federal Heights, CO 80260	720-281-8666	kevin_young@cable.comcast.com
Left Hand Water District	Steve Buckbee	PO Box 210, Niwot, CO 80544	303-530-4200	sbuckbee@lefthandwater.org
Level 3	TBD	TBD	TBD	TBD
Niwot Sanitation District	Howard Law	7395 N. 95th St., Niwot, CO 80504	303-775-8899	howarddlaw@gmail.com
Northern Colorado Water Conservancy District	Brian Flockhart	220 Water Ave., Berthoud, CO 80513	970-685-2806	bflockhart@northernwater.org
United Power	Jared Odum	PO Box 929, Brighton, CO 80601	303-637-1317	jodom@unitedpower.com
Xcel Energy - electric/gas distribution	Bob Voegely	2655 N. 63rd St., Boulder, CO 80301	303-245-2395	bob.voegely@xcelenergy.com
Xcel Energy - electric transmission	Michael Diehl	1800 Larimer St., Suite 400, Denver, CO 80202	303-571-7260	michael.diehl@xcelenergy.com
Xcel Energy - High Pressure Gas	Paul Heald	1123 W. 3rd Ave., Denver, CO 80223	303-571-3285	paul.r.heald@xcelenergy.com
Zayo	James Black	1805 29th St., Boulder, CO 80301	719-216-8508	jamesr.black@zayo.com



RFC	CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 85%;">REVISION DESCRIPTION:</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> </tbody> </table>	NO.	DATE	REVISION DESCRIPTION:										BOULDER COUNTY TRANSPORTATION ENGINEERING DEPARTMENT AECOM	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DESIGNED: CPF</td> <td>CAD: CPF</td> <td>CHECKED: RAC</td> <td>DATE: 02/14/2019</td> </tr> </table>	DESIGNED: CPF	CAD: CPF	CHECKED: RAC	DATE: 02/14/2019	95TH STREET GENERAL NOTES PROJECT NO: 74030 SHEET NO: 3
NO.	DATE	REVISION DESCRIPTION:																			
DESIGNED: CPF	CAD: CPF	CHECKED: RAC	DATE: 02/14/2019																		

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TOP OF CUT

TOE OF FILL

TERRAIN

EDGE OF EXISTING PAVEMENT

REMOVAL OF ASPHALT MAT (PLANING)

REMOVAL OF ASPHALT MAT

WIDENING

DRIVEWAY - PATCHING ASPHALT

DRIVEWAY - MATCH EXISTING MATERIAL

ROADWAY

N

NORTH ARROW

X

REMOVALS

BOULDER UNDER 6FT

ROCK OUTCROP

GEOLOGY

△
SECONDARY CONTROL MONUMENT

RIGHT OF WAY LINE

PERMANENT EASEMENT

TEMPORARY EASEMENT

PROPERTY BOUNDARY LINE (EXISTING AND PROPOSED)

ACCESS CONTROL LINE

SURVEY/ROW

MISCELLANEOUS BUILDING STRUCTURE (PRIMARY)

FOUNDATION OR PAD (CONCRETE OR BLOCK)

BUILDING STRUCTURES

MISCELLANEOUS WATERWAYS

DITCH WITH FLOW

EDGE OF WATER, CANALS, PONDS, STREAM OR RIVER

APPROXIMATE POST FLOOD EDGE OF CREEK

DITCHES AND WATERWAY

BARBED WIRE FENCE

CATTLE GUARD FENCE

FENCE

DECIDUOUS TREE

TREES GROVE

CONIFEROUS TREE

LANDSCAPING

COMMUNICATION HANDHOLE

COMMUNICATION JUNCTION BOX

COMMUNICATION RISER

GAS VALVE

GUY WIRE

POWER POLE

SANATARY MANHOLE

FIRE HYDRANT

WATER MANHOLE

WATER METER

WATER VALVE

WATER VENT PIPE

UTILITY OVERHEAD LINE

UNDERGROUND ELECTRIC

FIBEROPTIC

TELEPHONE

GAS

WATER

SANITARY SEWER

UTILITIES

EXISTING GUARDRAIL-TYPE 3 OR 6

PROPOSED GUARDRAIL-TYPE 3

END ANCHORAGE (NONFLARED)

END ANCHORAGE (FLARED)

GUARDRAIL

WETLANDS

ENVIRONMENTAL

LEGEND NOTES

1. EXISTING FEATURES SHOWN AS SCREENED WEIGHT (LIGHT GRAY SCALE), EXCEPT AS NOTED WITH THE WORD (EXISTING). PROPOSED OR NEW FEATURES SHOWN AS FULL WEIGHT WITHOUT SCREENING, EXCEPT AS NOTED WITH THE WORD (PROPOSED).

2. THESE SYMBOLS ARE INTENDED TO EXPLAIN THE VARIOUS TOPOGRAPHIC FEATURES INVOLVED ON THE DESIGN PLAN SHEETS WHICH ARE PREPARED AT VARIOUS SCALES. NOTES ARE ADDED WHERE NECESSARY TO CLARIFY THE SYMBOL.

CENTER YELLOW SOLID DOUBLE

CHANNELIZING OR EDGE LINE

TRAFFIC STRIPING

DELINEATOR

LIGHT STANDARD

PEDESTAL POLE

SINGLE POST SIGN

TRAFFIC DETECTOR LOOP

TRAFFIC SIGNAL HEAD

TRAFFIC SIGNAL MAST ARM POLE

TRAFFIC CONTROL

CONCRETE PIPE WITH HEADWALLS

CONCRETE PIPE WITH END SECTIONS

METAL PIPE

PIPES

MAIL DROP BOX

FENCE POST

MISCELLANEOUS TOPOGRAPHY

EXISTING MAJOR CONTOUR

EXISTING MINOR CONTOUR

PROPOSED MAJOR CONTOUR

PROPOSED MINOR CONTOUR

CONTOURS

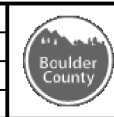


RFC



CALL UTILITY NOTIFICATION CENTER OF COLORADO
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

AECOM

DESIGNED: NSA
CAD: NSA
CHECKED: RAC
DATE: 02/14/2019

95TH STREET LEGEND

PROJECT NO: 74030 SHEET NO: 4

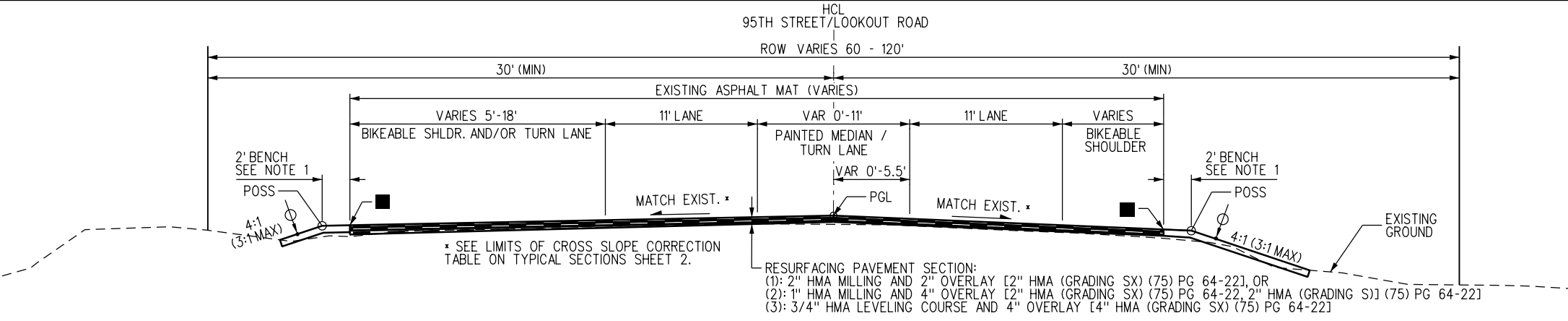
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TYPICAL SECTION LEGEND:

P.G.L.	PROFILE GRADE LINE
P.O.S.S.	POINT OF SLOPE SELECTION
H.M.A.	HOT MIX ASPHALT
○	VERTICAL ALIGNMENT CONTROL POINTS
■	SAFETY EDGE WITH A 32° +/- 5° SLOPE AND SHOULDER MATERIAL (SEE SAFETY EDGE DETAILS).
⊕	MINIMUM 4" TOPSOIL OR SPECIFIED ALTERNATIVE
⚡	SUBGRADE Z SLOPE 50:1 OR STEEPER (2%)

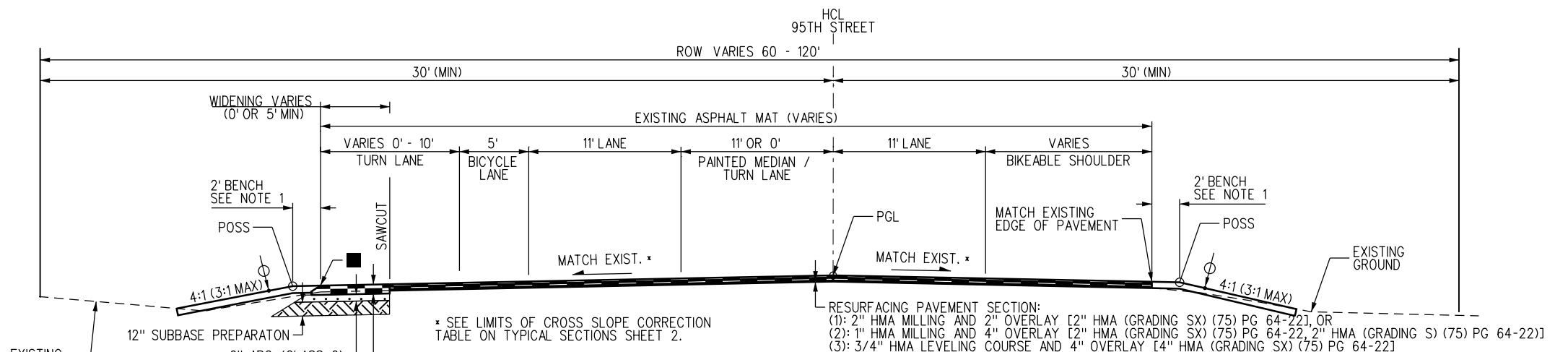
TYPICAL SECTION NOTES:

- ALL ROADSIDE BENCHES SHALL BE 2' EXCEPT WHERE SPECIFIED ON THE PLANS.
- CROSS SLOPES AT INTERSECTIONS WILL VARY TO MATCH EXISTING.
- WHERE REQUIRED, THE WIDTH OF WIDENING SHALL BE NO LESS THAN 5'.
- WHERE EXISTING PAVEMENT IS WIDER THAN PROPOSED WIDTH, THE MILL AND OVERLAY SHALL BE EXTENDED TO THE EDGE OF EXISTING PAVEMENT; EXCEPT WHERE NOTED FOR REMOVAL.
- PAVING ON NIWOT ROAD AND MAJESTIC DRIVE SHALL TRANSITION TO MATCH 95TH STREET PER HMA TRANSITION MILLING DETAIL 2.
- SEE GEOTECHNICAL REPORTS, 95TH STREET_FINAL COMPILED REPORT.PDF, AND 16-3619_95TH_SH 52 TO PLATEAU_PVMNT REHAB REPORT.PDF FOR MORE INFORMATION.



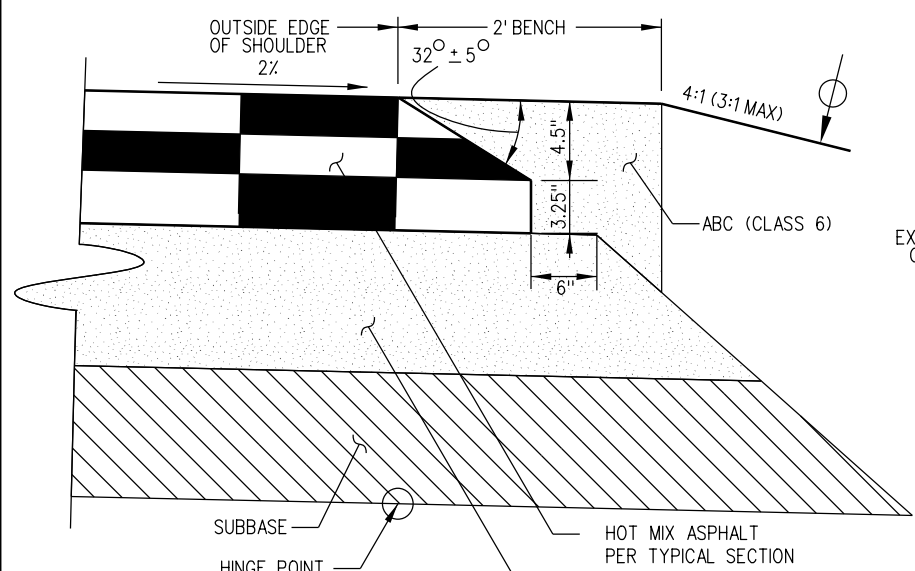
**TYPICAL SECTION A
95TH STREET RESURFACING**

LOOKOUT ROAD (3)	STA 376+98 TO STA 377+70 (2)
STA 244+00 TO STA 248+37 (3)	STA 345+08 TO STA 355+87 (2)
STA 263+70 TO STA 268+10 (3)	STA 380+47 TO STA 381+18 (2)
STA 272+85 TO STA 274+06 (3)	STA 434+85 TO STA 437+13 (2)
	STA 455+00 TO STA 456+58 (2)



**TYPICAL SECTION B
95TH STREET RESURFACING WITH FULL DEPTH WIDENING (LT)**

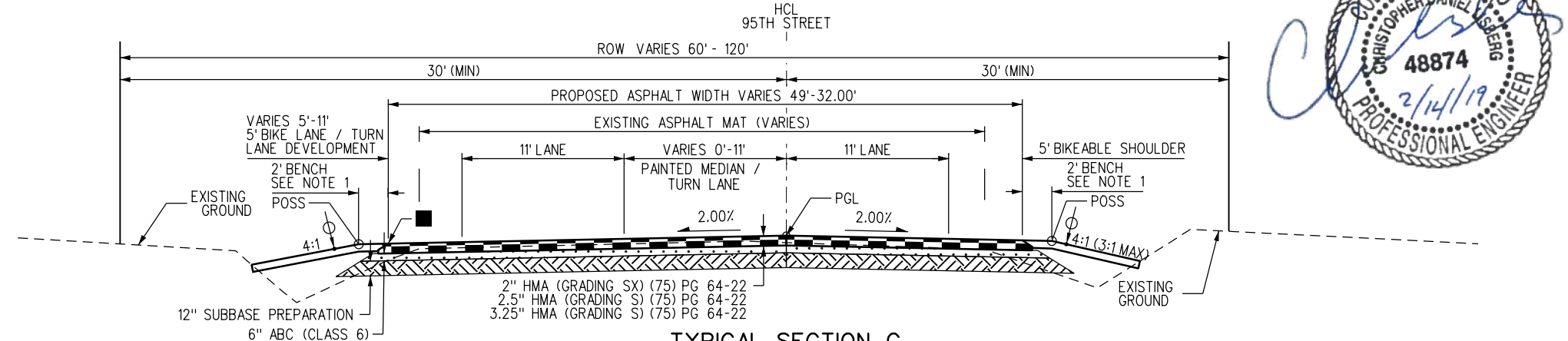
STA 248+37 TO STA 250+16 (3)	STA 325+59 TO STA 342+52 (2)
STA 256+90 TO STA 263+70 (3)	STA 355+87 TO STA 358+12 (2)
STA 268+10 TO STA 272+85 (3)	STA 420+75 TO STA 423+50 (2)
STA 274+06 TO STA 293+04 (3)	STA 433+00 TO STA 434+85 (2)
STA 299+85 TO STA 307+00 (2)	



SAFETY EDGE DETAIL

SAFETY EDGE GENERAL NOTES

- THE SAFETY EDGE WILL BE CONSTRUCTED AS PART OF THE ROADWAY PAVEMENT. A SHOULDER WEDGE DEVICE WILL BE ADDED TO THE SCREED OF THE PAVING MACHINE.
- THE CONTRACTOR MAY USE A SHOULDER WEDGE MAKER OR A SIMILAR DEVICE THAT PRODUCES THE SAME COMPACTION RESULTS.
- SHORT SECTIONS OF HANDWORK WILL BE ALLOWED WHEN NECESSARY FOR TRANSITIONS AND TURNOUTS.
- SITE PREPARATION AND ADDITIONAL EARTHWORK REQUIRED TO CONSTRUCT THE SAFETY EDGE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.



**TYPICAL SECTION C
95TH STREET FULL DEPTH RECONSTRUCTION**

STA 250+50 TO STA 256+90	STA 414+00 TO STA 420+75
STA 307+00 TO STA 316+75	STA 423+50 TO STA 433+00



RFC	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	NO.	DATE	REVISION DESCRIPTION:	<p>Boulder County</p>	<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p>				<p>95TH STREET TYPICAL SECTIONS (1)</p>	
		DESIGNED:	CAD:	CHECKED:		DATE:	PROJECT NO:	SHEET NO:			
		CPF	CPF	MES	02/14/2019	74030	5				

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TYPICAL SECTION LEGEND:

P.G.L.	PROFILE GRADE LINE
P.O.S.S.	POINT OF SLOPE SELECTION
H.M.A.	HOT MIX ASPHALT
○	VERTICAL ALIGNMENT CONTROL POINTS
■	SAFETY EDGE WITH A 32° +/- 5° SLOPE AND SHOULDER MATERIAL (SEE SAFETY EDGE DETAILS).
⊕	MINIMUM 4" TOPSOIL OR SPECIFIED ALTERNATIVE
⚡	SUBGRADE Z SLOPE 50:1 OR STEEPER (2%)

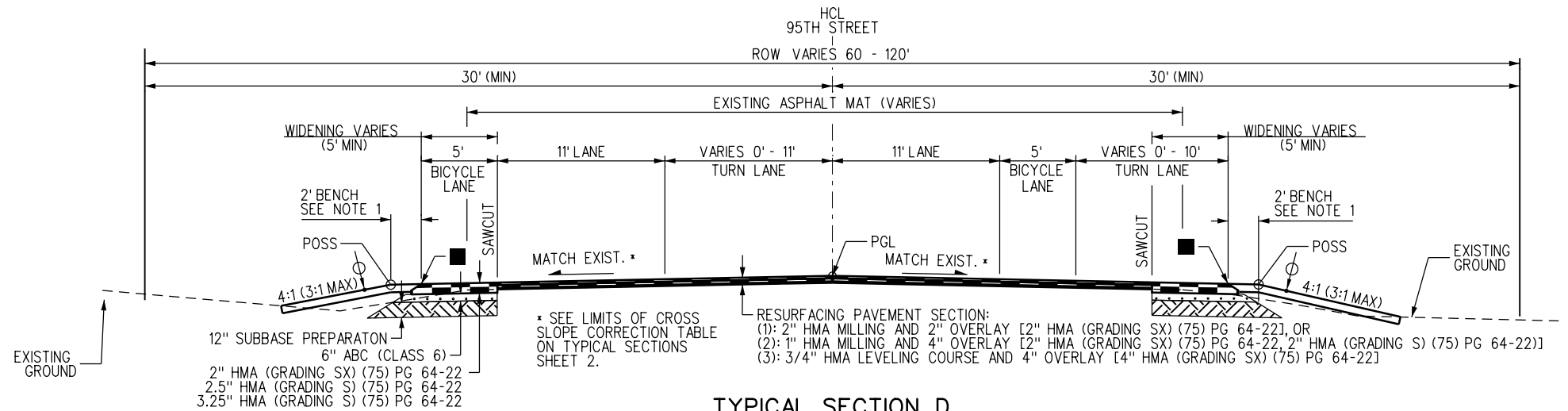
TYPICAL SECTION NOTES:

1. ALL ROADSIDE BENCHES SHALL BE 2' EXCEPT WHERE SPECIFIED ON THE PLANS.
2. WHERE REQUIRED, THE WIDTH OF WIDENING SHALL BE NO LESS THAN 5'.
3. WHERE EXISTING PAVEMENT IS WIDER THAN PROPOSED WIDTH, THE MILL AND OVERLAY SHALL BE EXTENDED TO THE EDGE OF EXISTING PAVEMENT.
4. PAVING ON NIWOT ROAD AND MAJESTIC DRIVE SHALL TRANSITION TO MATCH 95TH STREET PER HMA TRANSITION MILLING DETAIL 2.

LIMITS OF CROSS SLOPE CORRECTION

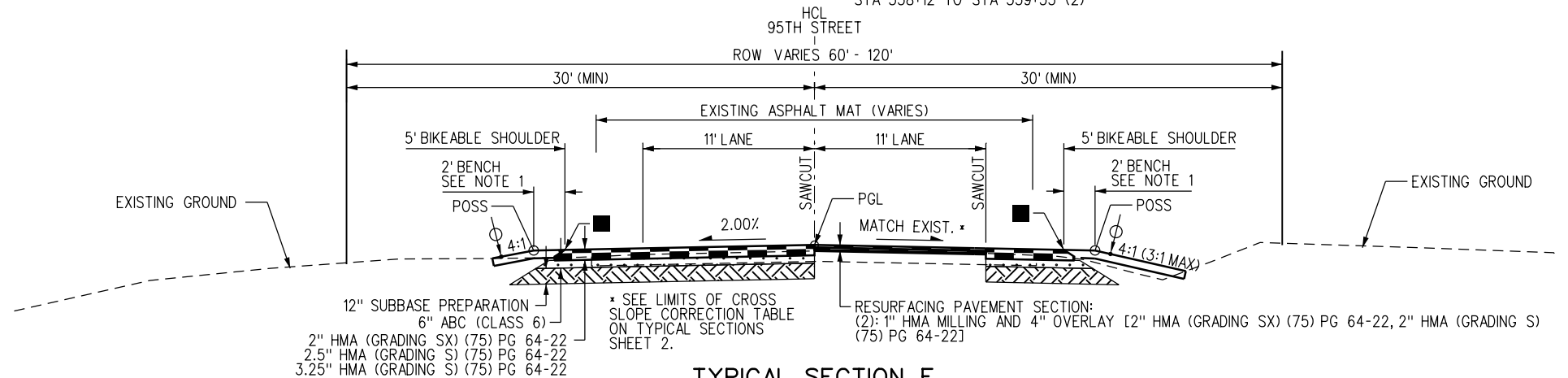
STA	STA	SIDE	STA	STA	SIDE		
250+50	TO	25+70	LT/RT	365+50	TO	366+50	LT
257+00	TO	259+50	RT	371+00	TO	371+50	LT
258+00	TO	261+00	LT	371+50	TO	372+00	RT
260+50	TO	261+00	RT	375+50	TO	377+00	RT
267+00	TO	268+00	LT	379+50	TO	380+00	RT
270+00	TO	271+00	RT	381+50	TO	383+50	LT
275+50	TO	276+50	LT	385+00	TO	386+50	LT
282+00	TO	287+00	RT	386+50	TO	388+00	RT
288+50	TO	290+00	RT	390+00	TO	391+00	LT
293+00	TO	293+50	LT	391+00	TO	392+50	RT
301+00	TO	303+50	LT/RT	392+50	TO	397+00	LT
305+50	TO	316+75	RT	395+50	TO	396+50	RT
306+00	TO	324+00	LT	414+00	TO	420+75	LT/RT
318+00	TO	324+00	RT	422+00	TO	422+50	RT
327+00	TO	337+00	LT	423+50	TO	434+50	LT
337+00	TO	339+50	RT	423+50	TO	433+00	RT
338+50	TO	340+00	LT	436+75	TO	437+25	RT
342+00	TO	343+50	LT	437+50	TO	442+50	LT
346+75	TO	347+25	LT	442+00	TO	444+00	RT
348+25	TO	348+75	LT/RT	449+25	TO	449+75	RT
351+50	TO	357+00	LT	454+00	TO	456+00	LT
359+50	TO	361+00	LT				

1. EXISTING CROSS SLOPES, WITHIN THE STATION LIMITS LISTED, SHALL BE CORRECTED TO -2.00% AS MEASURED FROM THE HORIZONTAL CONTROL LINE.



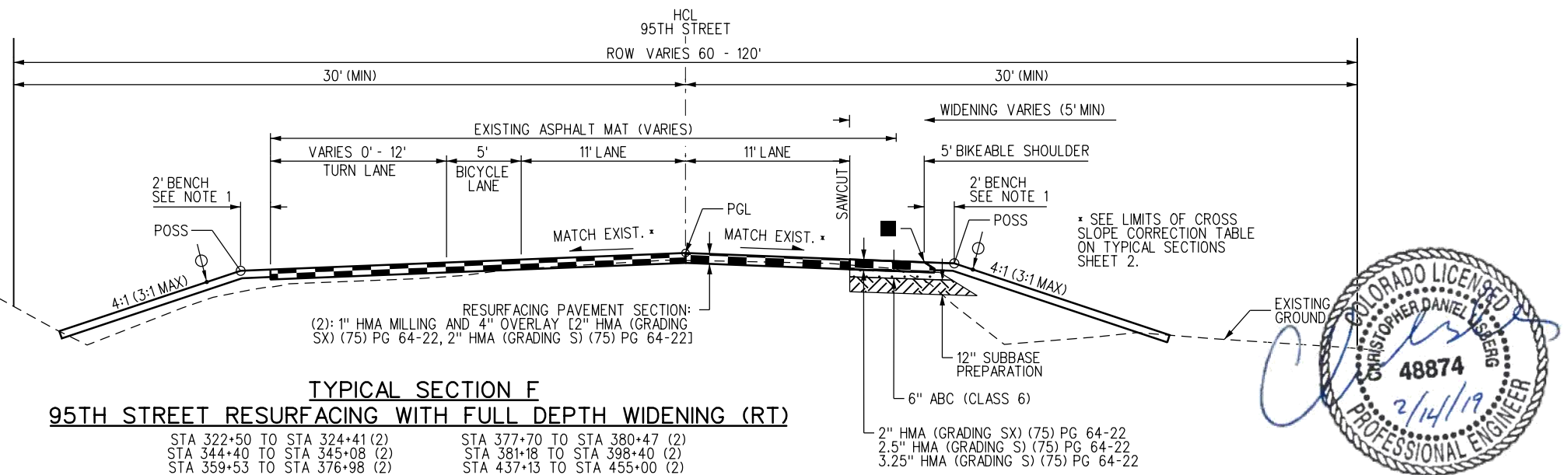
**TYPICAL SECTION D
95TH STREET RESURFACING WITH FULL DEPTH WIDENING (LT & RT)**

STA 250+16 TO STA 250+50 (3)
STA 293+04 TO STA 297+64 (3)
STA 324+41 TO STA 325+59 (2)
STA 342+52 TO STA 344+40 (2)
STA 358+12 TO STA 359+53 (2)



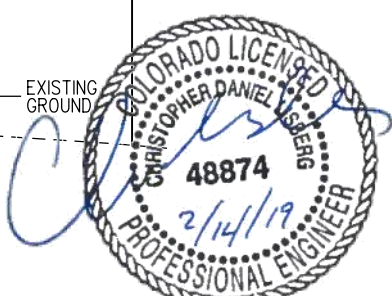
**TYPICAL SECTION E
95TH STREET RESURFACING WITH FULL DEPTH RECONSTRUCTION (LT & RT)**

STA 316+75 TO STA 322+50 (2)



**TYPICAL SECTION F
95TH STREET RESURFACING WITH FULL DEPTH WIDENING (RT)**

STA 322+50 TO STA 324+41 (2)
STA 344+40 TO STA 345+08 (2)
STA 359+53 TO STA 376+98 (2)
STA 377+70 TO STA 380+47 (2)
STA 381+18 TO STA 398+40 (2)
STA 437+13 TO STA 455+00 (2)

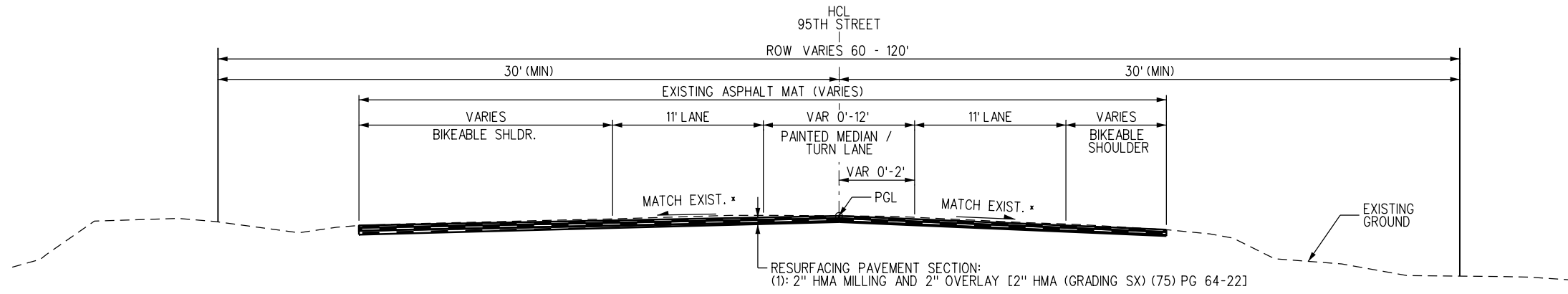


RFC	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	NO.	DATE	REVISION DESCRIPTION:	<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT AECOM ENGINEERING DIVISION</p>	DESIGNED:	CAD:	CHECKED:	DATE:	<p>95TH STREET TYPICAL SECTIONS (2)</p>	PROJECT NO: 74030	SHEET NO: 6
						CPF	CPF	MES	02/14/2019			

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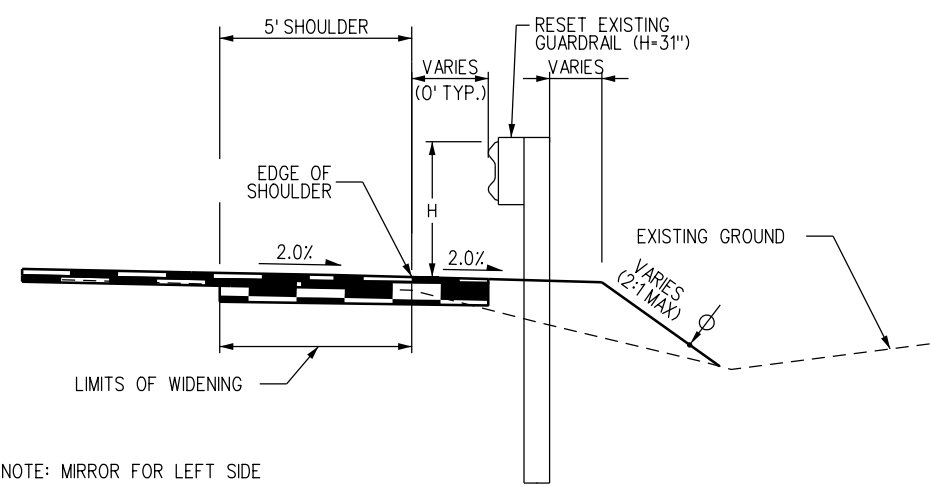
P.G.L.	PROFILE GRADE LINE
P.O.S.S.	POINT OF SLOPE SELECTION
H.M.A.	HOT MIX ASPHALT
○	VERTICAL ALIGNMENT CONTROL POINTS
■	SAFETY EDGE WITH A 32° +/- 5° SLOPE AND SHOULDER MATERIAL (SEE SAFETY EDGE DETAILS).
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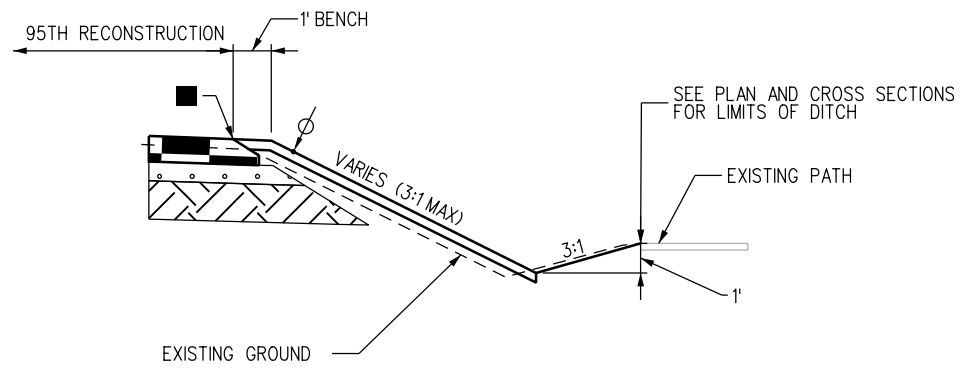
TYPICAL SECTION NOTES:

- ALL ROADSIDE BENCHES SHALL BE 2' EXCEPT WHERE SPECIFIED ON THE PLANS.
- EXISTING GUARDRAIL TO BE RESET WHERE "H" IS LESS THAN 28" PER M606-1.
- PAVING ON NIWOT ROAD AND MAJESTIC DRIVE SHALL TRANSITION TO MATCH 95TH STREET PER HMA TRANSITION MILLING DETAIL 2.

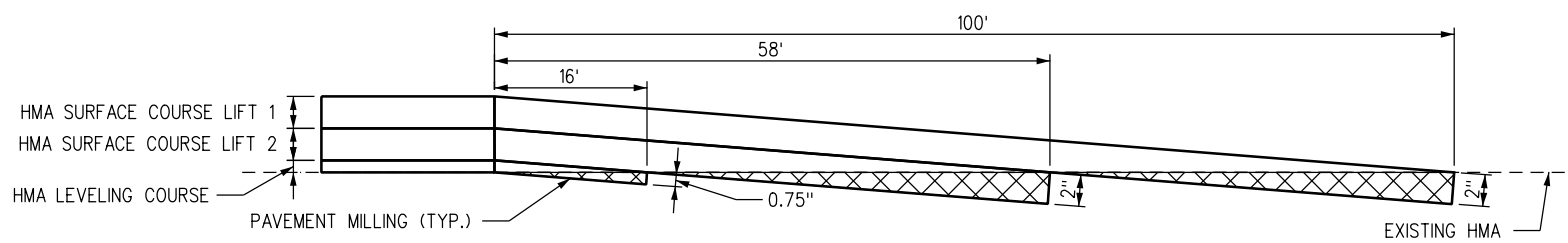
**TYPICAL SECTION G
95TH STREET MILL AND FILL WITHOUT EMBANKMENT
STA 398+40 TO STA 414+00 (1)**



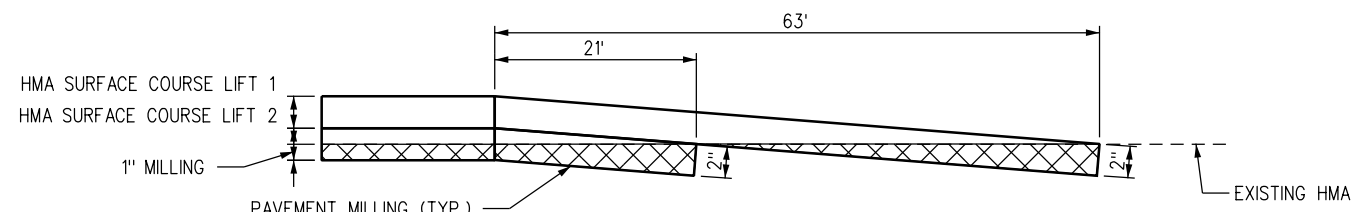
EXISTING GUARDRAIL RESET DETAIL



**ALTERNATE END CONDITION DETAIL
STA 358+40 TO STA 377+40**



HMA TRANSITION MILLING DETAIL 1



HMA TRANSITION MILLING DETAIL 2

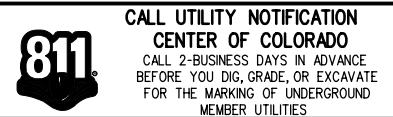
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CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	BID ALTERNATIVE 1		LOOKOUT TO PLATEAU										PROJECT TOTALS			
			PLAN	AS CONST.	PLAN	AS CONST.									PLAN	AS CONST.		
201-00000	Clearing and Grubbing	LS			1												1	
202-00010	Removal of Tree	EACH			7												7	
202-00024	Removal of Embankment Protector Type 5	EACH			1												1	
202-00035	Removal of Pipe	LF			1												1	
202-00037	Removal of End Section	EACH			1												1	
202-00203	Removal of Curb and Gutter	LF			42												42	
202-00210	Removal of Concrete Pavement	SY			158												158	
202-00220	Removal of Asphalt Mat	SY			17995												17995	
202-00240	Removal of Asphalt Mat (Planing)	SY			47499												47499	
202-00250	Removal of Pavement Marking	SF			6159												6159	
202-00810	Removal of Ground Sign	EACH			2												2	
202-00882	Removal of Traffic Signal Vehicle Detector (Magnetic Type)	EACH			14												14	
202-01000	Removal of Fence	LF			585												585	
202-01130	Removal of Guardrail Type 3	LF	533		520												1053	
203-00060	Embankment Material (Complete in Place)	CY	75		8185												8260	
203-01100	Proof Rolling	HOUR			30												30	
203-01510	Backhoe	HOUR	5		45												50	
203-01597	Potholing	HOUR			24												24	
207-00205	Topsoil	CY	120		5480												5600	
208-00002	Erosion Log Type 1 (12 inch)	LF	1500		46300												47800	
208-00035	Aggregate Bag	LF	50		1400												1450	
208-00045	Concrete Washout Structure	Each			2												2	
208-00070	Vehicle Tracking Pad	Each			5												5	
208-00103	Removal and Disposal of Sediment (Labor)	Hour	5		205												210	
208-00105	Removal and Disposal of Sediment (Equipment)	Hour	5		205												210	
208-00106	Sweeping (Sediment Removal)	Hour	5		205												210	
208-00207	Erosion Control Management (ECM)	Day	8		232												240	
210-00011	Reset Mailbox Structure (Type 1)	EACH			14												14	
210-00810	Reset Ground Sign	EACH			12												12	
210-01130	Reset Guardrail Type 3	LF			1156												1156	

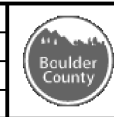


* FOR INFORMATION ONLY

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NO.	DATE	REVISION DESCRIPTION:



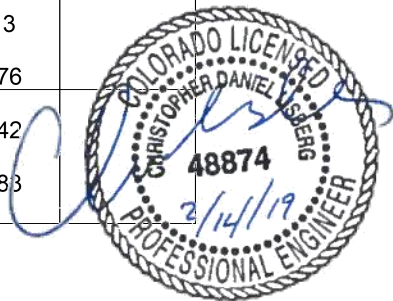
BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
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DESIGNED: JTS	CAD: JTS	CHECKED: MRK	DATE: 02/14/2019
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95TH STREET
SUMMARY OF
APPROXIMATE QUANTITIES
PROJECT NO: 74030 SHEET NO: 8

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CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	BID ALTERNATIVE 1		LOOKOUT TO PLATEAU										PROJECT TOTALS		
			PLAN	AS CONST.	PLAN	AS CONST.									PLAN	AS CONST.	
210-02018	Relay Pipe (18 Inch)	LF			340											340	
210-04010	Adjust Manhole	EACH			5											5	
210-04050	Adjust Valve Box	EACH			10											10	
212-00006	Seeding (Native)	Acre	0.2		10.2											10.4	
212-00032	Soil Conditioning	Acre	0.2		10.2											10.4	
213-00004	Mulching (Weed Free Straw)	Acre	0.2		10.2											10.4	
213-00061	Mulch Tackifier	LB	50		2050											2100	
214-00000	Landscape Maintenance	LS	1		1											2	
216-00021	Soil Retention Blanket (Class 1)	SY	32													32	
216-00301	Turf Reinforcement Mat (Class 1)	SY	32													32	
217-00000	Herbicide Treatment	SY	50		2250											2300	
240-00000	Wildlife Biologist	HOUR			40											40	
240-00010	Removal of Nests	HOUR			80											80	
304-06000	Aggregate Base Course (Class 6)	TON			9945											9945	
403-00720	Hot Mix Asphalt (Patching) (Asphalt)	TON			306											306	
403-33741	Hot Mix Asphalt (Grading S)(75)(PG 64-22)	TON			13476											13476	
403-34741	Hot Mix Asphalt (Grading SX) (75) (PG 64-22)	TON			11820											11820	
403-37741	Hot Mix Asphalt (Grading SF)(75)(PG 64-22)	TON			352											352	
412-00600	Concrete Pavement (6 Inch)	SY			160											160	
603-10240	24 Inch Corrugated Steel Pipe	LF			22											22	
603-30024	24 Inch Steel End Section	EACH			3											3	
606-00301	Guardrail Type 3 (6-3 Post Spacing) (31 In. MGS)	LF	325		162.5											487.5	
606-00900	MGS Type 3 Guardrail (Special) (7' Posts)	LF	91.25													91.25	
606-01385	Transition Type 3J	EACH			1											1	
606-01390	End Anchorage Type 3K	EACH	4		2											6	
606-02000	End Anchorage (Non Flared)	EACH	4													4	
606-02005	End Anchorage (Flared)	EACH	2		1											3	
607-11525	Fence (Plastic)	LF	76													76	
609-21010	Curb and Gutter Type 2 (Section I-B)	LF			42											42	
612-00001	Delineator (Type I)	EACH			83											83	



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CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	BID ALTERNATIVE 1		LOOKOUT TO PLATEAU										PROJECT TOTALS		
			PLAN	AS CONST.	PLAN	AS CONST.									PLAN	AS CONST.	
612-00002	Delineator (Type II)	EACH			31											31	
613-00200	2 Inch Electrical Conduit	LF			160											160	
613-07001	Type One Pull Box	EACH			14											14	
614-00011	Sign Panel (Class I)	SF			35											35	
614-00012	Sign Panel (Class II)	SF			58											58	
614-00216	Steel Sign Post (2x2 Inch Tubing)	LF			12											12	
614-00218	Steel Sign Post (2.25x2.25 Inch Tubing)	LF			163											163	
614-72875	Loop Detector Wire	LF			5110											5110	
620-00020	Sanitary Facility	EACH			2											2	
625-00000	Construction Surveying	LS			1											1	
626-00000	Mobilization	LS			1											1	
627-00005	Epoxy Pavement Marking	GAL			264											264	
627-00011	Pavement Marking Paint (Waterborne)	GAL			107											107	
627-30210	Thermoplastic Pavement Marking (Xwalk-Stopline)	SF			691											691	
627-30405	Preformed Thermoplastic Pavement Marking (Word-Symbol)	SF			1035											1035	
630-00000	Flagging	HOUR			6560											6560	
630-00007	Traffic Control Inspection	DAY			66											66	
630-00012	Traffic Control Management	DAY			164											164	
630-80341	Construction Traffic Sign (Panel Size A)	EACH			112											112	
630-80342	Construction Traffic Sign (Panel Size B)	EACH			2											2	
630-80344	Construction Traffic Sign (Special)	SF			40											40	
630-80355	Portable Message Sign Panel	EACH			2											2	
630-80360	Drum Channelizing Device	EACH			380											380	
630-80380	Traffic Cone	EACH			75											75	
700-70010	Minor Contract Revisions	FA			1											1	
700-70381	Erosion Control	FA	1		1											2	



RFC	CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	NO.	DATE	REVISION DESCRIPTION:	BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION	DESIGNED:	CAD:	CHECKED:	DATE:	95TH STREET SUMMARY OF APPROXIMATE QUANTITIES PROJECT NO: 74030 SHEET NO: 10
						JTS	JTS	MRK	02/14/2019	

ROADWAY TABULATION

LOCATION	OPERATION	MOISTURE TREATED SUBBASE* CY	FULL DEPTH RECONSTRUCTION OR WIDENING				RESURFACING				CONCRETE
			AGGREGATE BASE COURSE (CLASS 6) TONS	HOT MIX ASPHALT		BITUMINOUS SAFETY EDGE (ASPH) TONS	LEVELING COURSE (GR SF)(75) (PG 64-22) TONS	HOT MIX ASPHALT		EMULSIFIED ASPHALT (SLOW-SETTING)* GAL	CONCRETE PAVEMENT SY
				(GR S)(75) (PG 64-22) TONS	(GR SX)(75) (PG 64-22) TONS			(GR S)(75) (PG 64-22) TONS	(GR SX)(75) (PG 64-22) TONS		
LOOKOUT RD WEST	RESURFACEING					5	53		342	83	
LOOKOUT RD EAST	TRANSITION 1					2	7		108	49	
244+00 TO 245+00	TRANSITION 1					2	4		100	46	
245+00 TO 250+50	RESURFACEING					4	60		728	331	
248+37 TO 250+50	LT WIDENING	60	68	45	15	5				13	
250+16 TO 250+50	RT WIDENING	10	11	7	3	1				2	
250+50 TO 256+90	FULL DEPTH	1,052	1,031	925	316	27				285	
256+90 TO 263+70	LT WIDENING	181	209	133	43	15				38	
256+90 TO 296+64	RESURFACEING					28	224	1,431	2,862	1,301	
268+10 TO 272+85	LT WIDENING	127	146	93	30	10				27	
274+06 TO 297+83	LT WIDENING	656	750	487	158	50				140	
293+04 TO 297+64	RT WIDENING	171	184	136	45	10				40	
296+64 TO 297+64	TRANSITION 1						4		85	39	
299+26 TO 299+85	LT WIDENING	17	19	13	4	2				4	
299+85 TO 307+00	LT WIDENING	253	276	200	66	15				59	
299+85 TO 300+48	TRANSITION 2					1		38	50	40	
300+48 TO 307+00	MILL & OVERLAY					5		338	338	307	
307+00 TO 316+75	FULL DEPTH	1,384	1,374	1,202	409	41				369	
316+75 TO 322+50	LT FULL DEPTH	388	387	335	114	12				103	
316+75 TO 322+50	RT MILL & OVERLAY					4		78	78	71	
316+75 TO 325+59	RT WIDENING	235	271	173	56	19				50	
322+50 TO 351+10	MILL & OVERLAY					21		1,062	1,062	966	
324+41 TO 344+40	LT WIDENING	531	612	390	126	42				112	
342+52 TO 345+08	RT WIDENING	69	79	50	17	6				15	
345+08 TO 350+59	RT REMOVAL									0	
NIWOT RD WEST	TRANSITION 2					1		51	73	33	
NIWOT RD EAST	TRANSITION 2					1		43	59	27	
351+10 TO 398+40	MILL & OVERLAY					34		1,809	1,809	1,645	
CHURCH SOUTH ENTRANCE	LT RECONSTRUCTION	9	11	7	3	1				2	16
355+87 TO 359+52	LT WIDENING	136	147	109	36	8				32	
358+12 TO 376+98	RT WIDENING	501	577	368	119	40				105	
CHURCH NORTH ENTRANCE	LT RECONSTRUCTION									0	144
377+70 TO 380+47	RT WIDENING	74	86	55	18	6				16	
MAJESTIC DR (EAST)	TRANSITION 2					1			39	18	
381+18 TO 398+40	RT WIDENING	458	528	336	109	36				96	
398+40 TO 404+00	MILL AND FILL					8			265	121	
404+00 TO 414+00	MILL AND FILL					14			442	201	
414+00 TO 420+75	FULL DEPTH	907	906	784	266	29				240	
420+75 TO 423+50	MILL & OVERLAY					2		94	94	86	
420+75 TO 423+50	LT WIDENING	74	85	54	18	6				16	
423+50 TO 433+00	FULL DEPTH	1,288	1,285	1,114	378	40				341	
433+00 TO 434+85	LT WIDENING	50	57	37	12	4				11	
433+00 TO 455+95	MILL & OVERLAY					18		778	778	707	
437+13 TO 455+00	RT WIDENING	475	547	349	113	38				100	
455+95 TO 456+58	TRANSITION 2					1			34	16	
PROJECT TOTALS		9,106 *	9,646	7,402	2,474		352	5,722	9,346	8,303 *	160

PAVEMENT NOTES:

- 1. HMA SAFETY EDGE IS INCLUDED IN THE QUANTITY OF THE RESPECTIVE HMA ITEMS SHOWN.
- 2. PAVEMENT SECTION AT BOX CULVERTS SHALL BE MODIFIED TO AVOID ANY IMPACTS TO EXISTING CULVERT.

* FOR INFORMATION ONLY



RFC	811 CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	NO.	DATE	REVISION DESCRIPTION:	BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION	AECOM	DESIGNED:	CAD:	CHECKED:	DATE:	95TH STREET ROADWAY TABULATIONS	PROJECT NO: 74030	SHEET NO: 11
							JTS	JTS	CDL	02/14/2019			

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TABULATION OF STRIPING

STATION	EPOXY PAVEMENT MARKING								EPOXY PAVEMENT MARKING GAL	PERFORMED THERMOPLASTIC PAVEMENT MARKING				THERMOPLASTIC PAVEMENT MARKING (XWALK-STOPLINE) SF	THERMOPLASTIC PAVEMENT MARKING (WORD-SYMBOL) SF	REMARKS
	EDGE LINE (LT)	EDGE LINE(RT)	CHANNELIZING	DOTTED LINE	DOTTED LINE	CENTERLINE	CENTERLINE	CENTERLINE		STOPLINE	CROSS WALK	WORD-SYMBOL				
	SOLID WHITE 4 INCH LF	SOLID WHITE 4 INCH LF	SOLID WHITE 8 INCH LF	DOTTED WHITE 6 INCH LF	DOTTED WHITE 8 INCH LF	DOUBLE YELLOW 4 INCH LF	ONE DIRECTION NO PASSING ZONE 4 INCH LF	BROKEN YELLOW 4 INCH LF		SOLID WHITE 24 INCH LF	SOLID WHITE 24 INCH LF	TURN ARROWS SF	BIKE + THRU ARROW SF			
244+00 TO 245+34	136	136	134			134			3	31		16.1	24	62	40.1	
246+25 TO 257+80	1081	1156	1141	375		1876			30	42		96.6	120	84	216.6	
257+80 TO 287+99	3019	3019						320	25							
287+99 TO 298+09	965	965	1025	375		1515			15			80.5	96		176.5	
299+85 TO 311+39	1154	1152	1154	375		1184			17			80.5	72		152.5	
311+39 TO 345+00	3360	3316				460	2202	700	34							
345+00 TO 350+65	565	565	215			915			6	22		32.2	72	44	104.2	
351+58 TO 356+38		480	1131	767	396	755			12	41	90	80.5	72	261	152.5	
356+38 TO 398+40	3745	4117				2794		1210	29			32.2	120		152.2	
398+40 TO 404+25	584	520				1045			4							
404+25 TO 414+00	975	958	60			1371			17			16.1			16.1	
414+00 TO 459+58	4258	4258				4258			60				24		24	
SIDE STREET STRIPING REPLACEMENT	659	653	391			558			12	120		80.5		240		
TOTALS									264					691	1035	



SIGNING AND STRIPING NOTES:

- SIGNING LOCATIONS SHALL BE APPROVED BY THE ENGINEER AND ROAD MAINTENANCE SIGN SHOP REPRESENTATIVE PRIOR TO INSTALLATION.
- SIGN POSTS SHALL BE 14 GAUGE PERFORATED SQUARE STEEL TUBING OF THE SIZE AND HEIGHT SPECIFIED.
- BASES SHALL BE INCLUDED IN THE COST FOR SIGN POSTS. TOP OF BASES SHALL BE 3" ABOVE FINISHED GRADE. THE SIGN POST SHALL BE INSTALLED 4" IN TO THE BASE AND BOLTED BOTH WAYS.
- POST LOCATIONS IN CONCRETE MEDIAN OR ISLANDS SHALL HAVE 6" PCV INSTALLED PRIOR TO POURING CONCRETE.
- THICKNESS OF ALL SIGN PANELS SHALL BE 0.100".
- SIGNING SHALL BE INSTALLED ACCORDING TO THE MUTCD AND CDOT S-614-1.
- STRIPING SHALL BE INSTALLED ACCORDING TO THE MUTCD AND CDOT S-627-1.
- FINAL PAVEMENT STRIPING SHALL BE EPOXY PER CDOT SPECIFICATION.
- FOR THE PURPOSES OF EPOXY QUANTITY CALCULATIONS A RATE OF 95 SF/GAL WAS USED.
- ALL STOP LINES, CROSSWALKS AND PAVEMENT MARKING SYMBOLS SHALL BE WHITE PERFORMED THERMOPLASTIC, PREMARK OR EQUIVALENT.
- STOP LINES SHALL BE 2' WIDE; CROSSWALKS SHALL BE 2'X9', UNLESS OTHERWISE NOTED.
- PAVEMENT MARKING ARROWS SHALL BE ELONGATED.
- BICYCLE DETECTOR PAVEMENT MARKINGS SHALL BE PER MUTCD FIG. 9C-7 B WITH HELMETED BICYCLE SYMBOL.
- PAVEMENT MARKINGS FOR BIKE LANES SHALL BE PER MUTCD FIG. 9C-3 B WITH HELMETED BICYCLE SYMBOL.
- LAYOUT OF STRIPING IS INCLUDED IN EPOXY PAVEMENT MARKING.
- DELINEATORS TO BE INSTALLED PER CDOT S-612-1.
- STRIPING AT SIDE STREETS THAT IS IMPACTED DURING PAVING OPERATIONS SHALL BE REPLACED IN KIND. APPROXIMATE QUANTITY INCLUDED IN TABULATIONS.

TABULATION OF SIGNING

BOULDER COUNTY													
SIGN CODE	SIGN MESSAGE	LOCATION		SIGN PANEL SIZE		REMOVAL OF GROUND SIGN	RESET GROUND SIGN	SIGN PANEL (CLASS I)	SIGN PANEL (CLASS II)	STEEL SIGN POST (2X2 INCH TUBING)	STEEL SIGN POST (2.25X2.25 INCH TUBING)	REMARKS	
		STATION	SIDE	W (IN)	H (IN)	EA	EA	SF	SF	LF	LF		
R3-7r	RIGHT LANE MUST TURN RIGHT	249+75.00	LT	30	X 30			6.25			12.5		
R4-5	BEGIN RIGHT TURN LANE - YIELD TO BIKES	251+74.17	LT	36	X 30				7.5		12.5		
R2-1	SPEED LIMIT 50 MPH	284+30	LT	24	X 30		1						
W11-1	BICYLIST	291+00.70	LT	24	X 24		1						
R4-4	BEGIN RIGHT TURN LANE - YIELD TO BIKES	293+09.00	RT	36	X 30				7.5		12.5		
R3-7r	RIGHT LANE MUST TURN RIGHT	294+59.00	RT	30	X 30			6.25			12.5		
R3-7r	RIGHT LANE MUST TURN RIGHT	302+88.50	LT	30	X 30			6.25			12.5		
R4-4	BEGIN RIGHT TURN LANE - YIELD TO BIKES	304+38.50	LT	36	X 30				7.5		12.5		
R2-1	SPEED LIMIT 50 MPH	307+49.69	RT	24	X 30		1						
S3-1	SCHOOL BUS STOP AHEAD	308+68.60	RT	36	X 36		1						
SPECIAL	"ADOPT A ROAD"/"VISIT LONGMONT"	310+00.56	RT	24	X 36		1						
SPECIAL	JUNCTION 52 1/2 MILE	327+90.57	LT	60	X 48		1						
SPECIAL	"SAVE \$ CARPOOL"	342+24.37	RT	24	X 30		1						
R3-7r	RIGHT LANE MUST TURN RIGHT	353+63.00	LT	30	X 30		1						
W3-3	SIGNAL AHEAD	355+09.89	LT	36	X 36		1						
	"NO LEFT TURN"	355+51	LT	18	X 24	1						SEE ROADWAY DETAIL	
R3-2	NO LEFT TURN	355+51	LT	24	X 24			4		12		SEE ROADWAY DETAIL	
R3-5r	RIGHT TURN ONLY	355+52	LT	30	X 36	1			7.5		13	SEE ROADWAY DETAIL	
R3-7r	RIGHT LANE MUST TURN RIGHT	356+82.27	LT	30	X 30			6.25			12.5		
R2-1	SPEED LIMIT 50 MPH	357+59.83	RT	24	X 30		1						
S3-1	SCHOOL BUS STOP AHEAD	358+59.06	RT	36	X 36		1						
R4-4	BEGIN RIGHT TURN LANE - YIELD TO BIKES	359+53.00	LT	36	X 30				7.5		12.5		
R3-7r	RIGHT LANE MUST TURN RIGHT	362+75	LT	30	X 30			6.25			12.5		
R4-4	BEGIN RIGHT TURN LANE - YIELD TO BIKES	364+23.93	LT	36	X 30				7.5		12.5		
R-10-15 (MODIFIED)	TURNING VEHICLES YIELD TO BIKES	379+39.98	RT	30	X 30			6.25			12.5		
R-10-15 (MODIFIED)	TURNING VEHICLES YIELD TO BIKES	382+24.54	LT	30	X 30			6.25			12.5		
W2-2r	INTERSECTION AHEAD	401+68.12	RT	36	X 36		1						
SPECIAL	"OXFORD ROAD"			24	X 30								
TOTALS							2	12	35	58	12	163	

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RFC	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	NO.	DATE	REVISION DESCRIPTION:	<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p>		DESIGNED:	CAD:	CHECKED:	DATE:	<p>95TH STREET ROADWAY TABULATIONS</p>	<p>PROJECT NO: 74030</p>	<p>SHEET NO: 12</p>
		CPF	CPF	MRK			02/14/2019						

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TABULATION OF REMOVALS

LOCATION			REMOVAL OF EMBK. PROT. TYPE 5	REMOVAL OF CURB AND GUTTER	REMOVAL OF CONCRETE PAVEMENT	REMOVAL OF ASPHALT MAT	REMOVAL OF ASPHALT MAT (PLANING)	REMOVAL OF GUARDRAIL TYPE 3	REMOVAL OF TRAFFIC SIGNAL DETECTOR (MAGNETIC TYPE)	REMOVAL OF FENCE	RELAY PIPE (18 IN)
STA	STA	SIDE	EA	LF	SY	SY	SY	LF	EACH	LF	LF
LOOKOUT RD WEST							0		3		
LOOKOUT RD EAST							589		3		
244+00	TO	245+00	BOTH				572				
248+37	TO	250+50	LT			56					
250+16	TO	250+50	RT			18					
250+50	TO	256+90	BOTH			2301					
256+90	TO	263+70	LT			311					
268+10	TO	272+85	LT			215					
274+06	TO	297+83	LT			844					
293+04	TO	297+64	RT			105					
296+64	TO	297+64	BOTH				489				
299+26	TO	299+85	LT			18					
299+85	TO	300+48	BOTH				342				
299+85	TO	307+00	LT			133		438			
300+48	TO	307+00	BOTH				3,068				
302+58			LT	1							
307+00	TO	316+75	BOTH			3346					
313+63			RT							5	
316+75	TO	322+50	LT			1018					
316+75	TO	322+50	RT				703				
316+75	TO	325+59	RT			338					
322+50	TO	351+10	BOTH				9,643				
323+45	TO	323+80	LT								35
324+41	TO	344+40	LT			830					
327+41	TO	327+82	RT								41
338+69	TO	339+18	RT								50
342+52	TO	345+08	RT			111					
342+71	TO	343+17	RT					47			
343+25	TO	343+75	LT								51
343+85	TO	344+08	LT					24			
344+28	TO	344+34	RT					11			
345+08	TO	350+59	RT			224					

LOCATION			REMOVAL OF EMBK. PROT. TYPE 5	REMOVAL OF CURB AND GUTTER	REMOVAL OF CONCRETE PAVEMENT	REMOVAL OF ASPHALT MAT	REMOVAL OF ASPHALT MAT (PLANING)	REMOVAL OF GUARDRAIL TYPE 3	REMOVAL OF TRAFFIC SIGNAL DETECTOR (MAGNETIC TYPE)	REMOVAL OF FENCE	RELAY PIPE (18 IN)
STA	STA	SIDE	EA	LF	SY	SY	SY	LF	EACH	LF	LF
NIWOT RD WEST							461		4		
NIWOT RD EAST							385		4		
351+10	TO	398+40	BOTH				16,445				
CHURCH SOUTH ENTRANCE					14	16					
355+87	TO	359+52	LT			52					
358+12	TO	376+98	RT			743					
CHURCH NORTH ENTRANCE				42	144						
364+28	TO	364+56	LT								28
377+25	TO	377+76	LT								51
377+70	TO	380+47	RT			122					
379+31	TO	379+84	LT								53
MAJESTIC DR (EAST)							232				
381+18	TO	398+40	RT			621					
386+11	TO	387+01	RT							120	
387+23	TO	391+58	RT							460	
398+40	TO	404+00	BOTH				2,405				
404+00	TO	414+00	BOTH				4,018				
414+00	TO	420+75	BOTH			2369					
420+75	TO	423+50	BOTH				852				
420+75	TO	423+50	LT			90					
423+50	TO	433+00	BOTH			3269					
433+00	TO	434+85	LT			80					
433+00	TO	455+95	BOTH				7,067				
437+13	TO	455+00	RT			765					
451+44	TO	451+75	RT								31
455+95	TO	456+58	BOTH				228				
PROJECT TOTALS			1	42	158	17,995	47,499	520	14	585	340

REMOVAL NOTES:

1. REMOVAL OF END ANCHORAGES SHALL NOT BE MEASURED OR PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE LENGTH AND COST OF REMOVAL OF GUARDRAIL TYPE 3.



DRAINAGE TABULATION

BOULDER COUNTY						
STATION	SIDE	REMOVAL OF PIPE	REMOVAL OF END SECTION	24 INCH CORRUGATED STEEL PIPE	24 INCH STEEL END SECTION	REMARKS
		LF	EACH	LF	EA	
302+25.00	LT		1	16	1	
388+62.50	LT	1			1	
388+62.50	RT			6	1	
TOTALS		1	1	22	3	

TABULATION OF EARTHWORK

EMBANKMENT MATERIAL (PAY QUANTITY)	CY
95th Street	7117
FACTOR 15%	1068
TOTAL EMBANKMENT MATERIAL	8185

UNCLASSIFIED EXCAVATION (C.I.P) (FOR INFORMATION ONLY)	CY
95th Street	7697
TOTAL UNCLASSIFIED EXCAVATION (C.I.P)	7697
ROUNDED TOTAL	7697

EARTHWORK BALANCE (FOR INFORMATION ONLY)	CY
EMBANKMENT X FACTOR (1.15)	8185
UNCLASSIFIED EXCAVATION (C.I.P)	-7697
BORROW	488

EARTHWORK NOTES:

- HAULING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE WORK.
- THERE IS NO DESIGNATED BORROW SITE. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE EMBANKMENT BORROW SOURCE.
- THE CONTRACTOR IS ADVISED ON-SITE EXCAVATED MATERIAL MAY NOT BE SUITABLE FOR RE-USE ON THE PROJECT.
- EXCESS MATERIAL SHALL BE DISPOSED OF OFFSITE IN ACCORDANCE WITH APPLICABLE REGULATIONS.

* FOR INFORMATION ONLY

RFC	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	<table border="1"> <tr><th>NO.</th><th>DATE</th><th>REVISION DESCRIPTION:</th></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> </table>	NO.	DATE	REVISION DESCRIPTION:										<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p>		<table border="1"> <tr> <td>DESIGNED: CPF</td> <td>CAD: CPF</td> <td>CHECKED: MRK</td> <td>DATE: 02/14/2019</td> </tr> </table>	DESIGNED: CPF	CAD: CPF	CHECKED: MRK	DATE: 02/14/2019	<p>95TH STREET ROADWAY TABULATIONS</p> <table border="1"> <tr> <td>PROJECT NO: 74030</td> <td>SHEET NO: 13</td> </tr> </table>	PROJECT NO: 74030	SHEET NO: 13
NO.	DATE	REVISION DESCRIPTION:																						
DESIGNED: CPF	CAD: CPF	CHECKED: MRK	DATE: 02/14/2019																					
PROJECT NO: 74030	SHEET NO: 13																							

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TABULATION OF DELINEATORS

STATION	SIDE	TYPE I	TYPE II
		EACH (CRYSTAL)	EACH (CRYSTAL)
LOOKOUT INTERSECTION			9
249+00	BOTH	2	
254+28	BOTH	2	
259+56	BOTH	2	
264+84	BOTH	2	
270+12	BOTH	2	
275+40	BOTH	2	
280+68	BOTH	2	
285+96	BOTH	2	
291+24	BOTH	2	
296+52	BOTH	2	
MINERAL INTERSECTION			20
310+00	BOTH	2	
315+28	BOTH	2	
320+56	BOTH	2	
325+84	BOTH	2	
331+12	BOTH	2	
336+40	BOTH	2	
341+68	BOTH	2	
346+96	BOTH	2	
NIWOT INTERSECTION			11
352+24	BOTH	2	
362+80	BOTH	2	
368+08	BOTH	2	
373+36	BOTH	2	
377+96	BOTH	2	
383+24	BOTH	2	
386+86	BOTH	2	
389+86	BOTH	2	
392+86	BOTH	2	
395+86	BOTH	2	
398+86	BOTH	2	
401+86	BOTH	2	
404+86	LT	1	
407+86	BOTH	2	
410+86	BOTH	2	
413+86	BOTH	2	
419+14	BOTH	2	
424+42	BOTH	2	
429+70	BOTH	2	
434+86	BOTH	2	
440+14	BOTH	2	
445+42	BOTH	2	
450+70	BOTH	2	
455+68	BOTH	2	
TOTALS		83	31

GUARDRAIL TABULATION

STATION	SIDE	GUARDRAIL TYPE 3 6'3" POST SPACING	MGS TYPE 3 GUARDRAIL (SPECIAL)	TRANSITION TYPE 3J	END ANCHORAGE TYPE 3K	END ANCHORAGE (NON FLARED)	END ANCHORAGE (FLARED)	RESET GUARDRAIL TYPE 3	REMARKS
		LF	LF	EA	EA	EA	EA	LF	
244+79 TO 245+56	RT							150	
300+48 TO 306+99	RT							650	
341+80 TO 343+17	RT	137.5					1		
343+17 TO 344+28	RT							111	
343+69 TO 344+10	LT	25		1	1				
344+09 TO 246+54	LT							245	
344+28 TO 344+38	RT				1				
TOTALS		162.5	0	1	2	0	1	1156	

GUARDRAIL NOTES

1. LENGTH OF GUARDRAIL REMOVAL SHALL INCLUDE THE COST OF REMOVING ANY ANCHORAGES WITHIN THE SPECIFIED LENGTH.
2. LENGTH OF GUARDRAIL RESET SHALL INCLUDE THE COST OF RESETTING ANY ANCHORAGES WITHIN THE SPECIFIED LENGTH.

TABULATION OF MISCELLANEOUS ITEMS

STATION	SIDE	REMOVAL OF TREE	TREE RETENTION AND PROTECTION (FOR INFORMATION ONLY)	ADJUST MANHOLE	ADJUST VALVE BOX	CURB AND GUTTER TYPE 2 (SECTION I-B)	2 INCH ELECTRICAL CONDUIT	TYPE ONE PULL BOX	LOOP DETECTOR WIRE	REMARKS
		EACH	EACH*	EACH	EACH	LF	LF	EACH	LF	
LOOKOUT RD	BOTH						80	6	2190	
303+95	LT			2						
323+86	LT		1							
324+15	LT	1								
347+45 TO 348+00	LT	5								
NIWOT RD	BOTH						80	8	2920	
351+36	LT				1					
354+18	RT			1	2					
354+22	RT									
359+73 TO 360+96	LT					42				
380+84	RT			1						
380+98	RT				2					
394+99	RT				1					
395+67	RT									
405+78	LT		1							36" DIAMETER
406+13	LT		1							36" DIAMETER
406+38	LT		1							36" DIAMETER
407+12	LT		1							30" DIAMETER
421+23	RT		1							
422+76	RT	1								
430+33 TO 430+68	RT				3					
438+42	RT			1						
438+56	RT				1					
444+70	LT		1							
TOTALS		7	1	5	10	42	160	14	5110	

MISCELLANEOUS NOTES

* FOR INFORMATION ONLY

1. TREE RETENTION AND PROTECTION SHOWN FOR INFORMATION ONLY.



RFC	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	NO.	DATE	REVISION DESCRIPTION:	<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p>		DESIGNED:	CAD:	CHECKED:	DATE:	PROJECT NO: 74030 SHEET NO: 14
							JTS	JTS	MRK	02/14/2019	

SCHEDULE OF CONSTRUCTION TRAFFIC CONTROL SIGNS *
(ITEMS 630-80341, 630-80342 & 630-80344)

TABULATION OF CONSTRUCTION TRAFFIC CONTROL DEVICES

SIGN CODE	SIGN LEGEND	DIMENSION W X H (IN)	PANEL SIZE	PANEL SIZE TOTALS				
				A		B		SPECIAL
				EACH		EACH		SF
36G20-10	XYZ CONSTRUCTION THANKS YOU 555-555-5555	48X48	B			2		
24G20-5	WORK ZONE	24X18	A	14				
24R2-1 (25)	SPEED LIMIT 25	24X30	A	10				
24R2-1 (35)	SPEED LIMIT 35	24X30	A	10				
24R2-1 (45)	SPEED LIMIT 45	24X30	A	10				
24R4-1	DO NOT PASS	24X30	A	2				
24R4-2	PASS WITH CARE	24X30	A	2				
24R52-6A	BEGIN FINES DOUBLED IN WORK ZONE	24X30	A	10				
24R52-6B	END FINES DOUBLED IN WORK ZONE	24X30	A	10				
36W1-4L	REVERSE CURVE LEFT	36X36	A	6				
36W1-4R	REFERSE CURVE RIGHT	36X36	A	6				
24W13-1 (25)	ADVISORY SPEED	24X24	A	12				
36W20-1	ROAD WORK AHEAD	36X36	A	10				
36W20-4	ONE LANE ROAD AHEAD	36X36	A	2				
36W20-7	FLAGGER	36X36	A	2				
36W8-3	PAVEMENT ENDS	36X36	A	2				
36W8-8	ROUGH ROAD	36X36	A	2				
24W16-9P	AHEAD	24X11	A	2				
SPECIAL	BOULDER COUNTY PROJECT FUNDING SIGN	60X48	SP					40
PROJECT TOTALS				112		2		40

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
202-00250	REMOVAL OF PAVEMENT MARKING	SF	6159
627-00011	PAVEMENT MARKING PAINT (WATERBORNE)	GAL	107
630-00000	FLAGGING	HOUR	6,560
630-00007	TRAFFIC CONTROL INSPECTION	DAY	66
630-00012	TRAFFIC CONTROL MANAGEMENT	DAY	164
630-80341	CONSTRUCTION TRAFFIC SIGN (PANEL SIZE A)	EACH	112
630-80342	CONSTRUCTION TRAFFIC SIGN (PANEL SIZE B)	EACH	2
630-80344	CONSTRUCTION TRAFFIC SIGN (SPECIAL)	SF	40
630-80355	PORTABLE MESSAGE SIGN PANEL	EACH	2
630-80360	DRUM CHANNELIZING DEVICE	EACH	380
630-80380	TRAFFIC CONE	EACH	75

* FOR INFORMATION ONLY

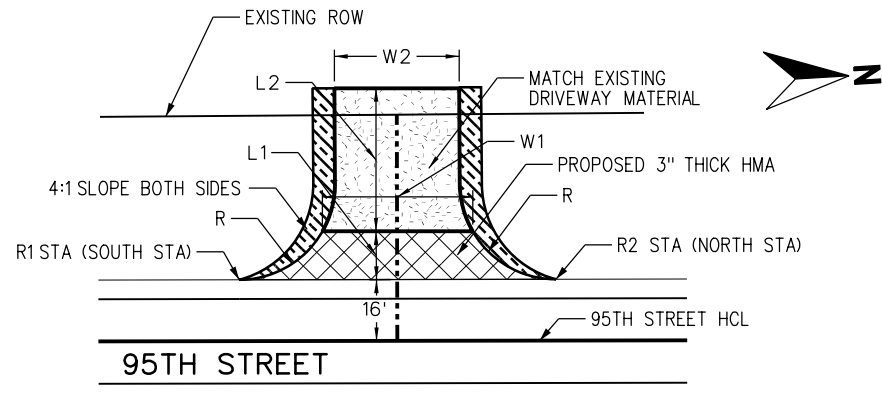
TRAFFIC CONTROL PLAN GENERAL NOTES:

1. FINAL DEVICE PLACEMENT SHALL BE ACCORDING TO THE MUTCD AND STANDARD S-630-1 OF THE COLORADO STANDARD PLANS.
2. ALL LANES SHALL BE A MINIMUM OF 11' WIDE WITH 2' SHOULDERS FOR EACH PHASE OF CONSTRUCTION, UNLESS OTHERWISE INDICATED IN THE PLANS.
3. ALL SIGNS INCLUDING EXISTING SIGNS AND CONSTRUCTION SIGNS FROM OTHER PHASES, WHICH CONFLICT WITH CONDITIONS OF THE CURRENT PHASE SHALL BE COVERED, TURNED, OR REMOVED. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCIDENTAL TO OTHER TRAFFIC CONTROL ITEMS.
4. ALL TRAFFIC CONTROL ITEMS SHALL BE CRASH TESTED IN ACCORDANCE WITH NCHRP 350 REQUIREMENTS.
5. VERIFY BURIED UTILITIES PRIOR TO PLACING ANY BELOW-GROUND POSTS.
6. THE WORK ZONE SHALL BE GRADED TO ELIMINATE ALL DROP OFFS GREATER THAN 3" AT THE END OF EVERY SHIFT.

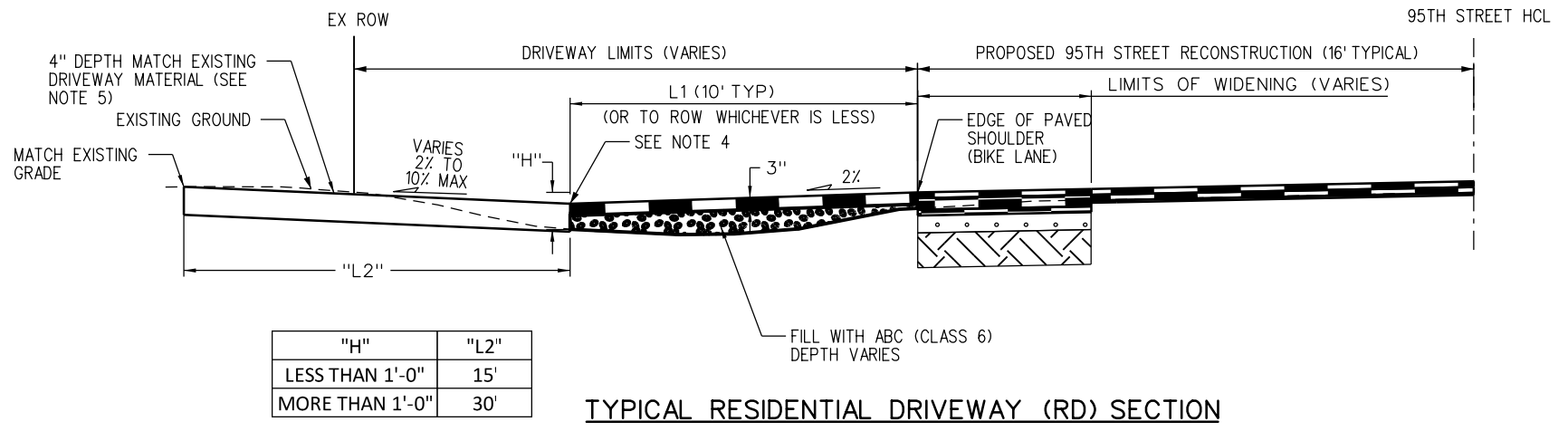


RFC	CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	NO.	DATE	REVISION DESCRIPTION:	BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION	DESIGNED:	CAD:	CHECKED:	DATE:	95TH STREET TRAFFIC CONTROL TABULATION & NOTES PROJECT NO: 74030 SHEET NO: 15
						CPF	CPF	MRK	02/14/2019	

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TYPICAL RESIDENTIAL DRIVEWAY DETAIL
NTS

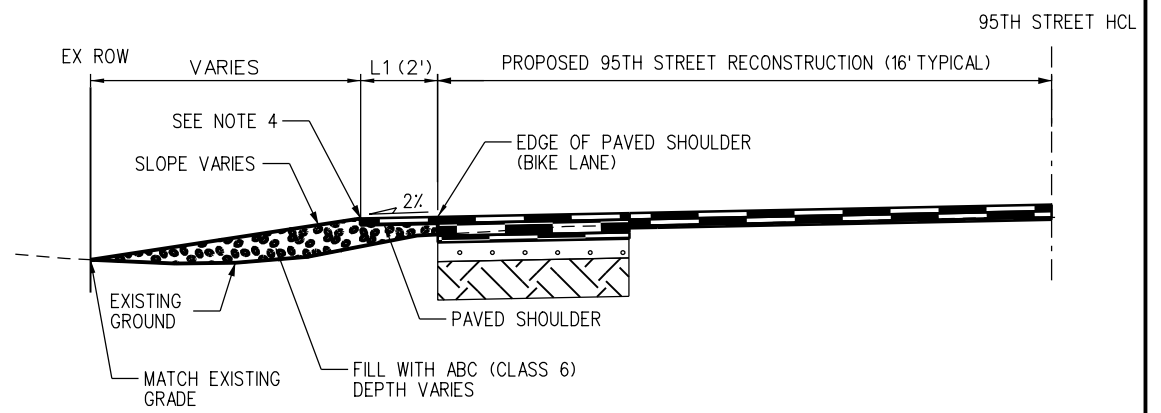


"H"	"L2"
LESS THAN 1'-0"	15'
MORE THAN 1'-0"	30'

TYPICAL RESIDENTIAL DRIVEWAY (RD) SECTION
NTS

DRIVEWAY TABULATION

DRIVEWAY ID	R1 STA	R2 STA	SIDE	W1 (FT)	W2 (FT)	R (FT)	L1 (FT)	L2 (FT)	HMA AREA (SF)	TYPE	ABC (CLASS 6)		HOT MIX ASPHALT (PATCHING) (ASPHALT)		RESET MAILBOX STRUCTURE (TYPE 1)										
											CY	TONS	THK (IN)	TONS	EACH										
1	272+25.32	272+49.32	RT	20			2.00		44.00	FAD			3	1											
2	310+88.99	311+43.36	LT	26	23.22	15	10.00	15.00	296.59	RD	4.27	8	3	6											
3	311+19.29	311+63.44	RT	16	13.77	15	10.00	15.00	246.59	RD	2.65	5	3	5	1										
4	317+71.64	318+16.39	RT	16	13.05	15	10.00	15.00	236.92	RD	2.56	5	3	5	1										
5	323+43.43	423+83.45	LT	29	25.5	MATCH EX	10.00	15.00	324.20	RD	5.07	9	3	6	1										
6	324+31.71	324+75.99	RT	16	13.57	15	10.00	15.00	236.59	RD	2.62	5	3	5											
7	327+46.09	327+90.57	RT	16	12.44	15	10.00	15.00	237.04	RD	2.55	5	3	5	1										
8	338+70.52	339+14.98	RT	16	14.28	15	10.00	15.00	236.81	RD	2.68	5	3	5											
9	343+43.72	343+67.72	LT	20			2.00		44.00	FAD			3	1											
10	347+08.69	347+52.21	RT	15.25	13.53	15	10.00	30.00	229.09	RD	5.05	9	3	5	1										
11	348+50.82	348+83.27	RT	16.29	12.08	15	10.00	15.00	177.79	RD	2.50	4	3	3											
12	358+20.42	358+39.36	RT	15			2.00		33.42	FAD			3	1											
13	362+98.44	363+22.38	LT	20			2.00		44.00	FAD			3	1											
14	364+27.76	364+51.89	LT	20			2.00		44.00	FAD			3	1											
15	367+15.70	367+39.70	RT	20			2.00		44.00	FAD			3	1											
16	367+18.01	367+42.01	LT	20			2.00		44.00	FAD			3	1											
17	377+25.17	377+78.17	LT	22		MATCH EX	25.00		817.67	RD			3	15	1										
18	378+32.44	378+65.37	RT	23		MATCH EX	25.00		623.37	RD			3	12	1										
19	379+28.79	379+59.49	LT	12	9.4	15	10.00	15.00	412.64	RD	1.90	3	3	8											
20	379+59.49	379+94.07	LT	16	14	15	10.00	15.00		RD	2.66	5													
21	387+00.18	387+24.18	RT	20			2.00		44.00	FAD			3	1											
22	396+13.17	396+57.51	LT	16	12.43	15	10.00	15.00	236.71	RD	2.66	5	3	5											
23	396+19.00	396+63.24	RT	16	12.34	15	10.00	15.00	236.68	RD	2.45	4	3	5											
24	397+88.42	398+31.70	RT	15	13.63	15	10.00	15.00	226.59	RD	2.42	4	3	5											
25	403+45.94	403+89.70	LT	17		MATCH EX	10.00		273.76	RD			3	6											
26	408+39.45	408+80.50	LT	33		MATCH EX		30.00	324.40	RD			3	6											
27	412+34.31	412+72.31	RT	19.05	18.93	10	7.60	30.00	222.92	RD	3.42	6	3	5											
28	414+47.53	414+87.67	LT	16	15.07	15	10.00	15.00	219.75	RD	2.85	5	3	5											
29	415+17.48	415+52.56	LT	16	15.84	6	10.00	15.00	196.96	RD	2.95	5	3	4	1										
30	415+86.10	416+19.08	LT	14	14.28	6	10.00	15.00	176.08	RD	2.62	5	3	4											
SUBTOTAL																					97	133		8	



TYPICAL FIELD ACCESS DRIVEWAY (FAD) SECTION
NTS



DRIVEWAY NOTES:

- UNLESS OTHERWISE NOTED, THE NORTH AND SOUTH SIDE RADII ARE THE SAME.
- ABC QUANTITY CARRIED FORWARD TO SOAQ.
- HMA QUANTITY CARRIED FORWARD TO SOAQ.
- ROUND PVIAS NECESSARY TO ACHIEVE SMOOTH TRANSITION IN DRIVEWAY.
- FOR EXISTING HMA DRIVEWAY MATERIAL OVERLAY EXISTING HMA TO MATCH EXISTING PAVEMENT LIMITS. INFORMATION IN TABLE IS APPROXIMATE.
- DEPTH OF AGGEGATE BASE COURSE (CLASS 6) VARIES PER DRIVEWAY. DEPTH ESTIMATED TO BE APPROXIMATELY 4".
- CONTRACTOR TO ENSURE CONSTRUCTION OF ADEQUATE LONGITUDINAL SLOPE FOR POSITIVE DRAINAGE.

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DRIVEWAY TABULATION (CONTINUED)

DRIVEWAY ID	R1 STA	R2 STA	SIDE	W1 (FT)	W2 (FT)	R (FT)	L1 (FT)	L2 (FT)	HMA AREA (SF)	TYPE	ABC (CLASS 6)		HOT MIX ASPHALT (PATCHING) (ASPHALT)		RESET MAILBOX STRUCTURE (TYPE 1)
											CY	TONS	THK (IN)	TONS	EACH
31	417+29.50	417+80.60	LT	26	25.1	15 11	10.00	15.00	323.79	RD	4.67	8	3	6	
32	423+13.35	423+57.65	RT	16	14.28	15	10.00	30.00	236.60	RD	5.33	10	3	5	
33	423+66.63	424+10.91	RT	16	14.28	15	10.00	30.00	236.59	RD	5.23	9	3	5	
34	434+91.86	435+34.14	LT	14	11.63	15	ROW	15.00	198.47	RD	2.25	4	3	4	
35	435+78.45	436+22.02	LT	16	12.86	15	ROW	15.00	215.28	RD	2.68	5	3	4	
36	436+51.50	436+86.03	LT	16	11.92	5 15	ROW	15.00	182.51	RD	2.75	5	3	4	
37	437+43.17	437+90.77	LT	27	17.24	MATCH EX	ROW	15.00	286.53	RD	4.40	8	3	6	
38	438+17.73	439+11.10	LT	71	63.26	9 15	ROW	15.00	644.47	RD	13.75	25	3	12	
39	437+95.57	438+16.19	RT	12	9.18	3 4	10.00	30.00	136.24	RD	3.40	6	3	3	1
40	439+40.73	440+05.52	LT	43	45.77	8 16	ROW	15.00	382.63	RD	7.91	14	3	8	
41	439+48.94	439+77.30	RT	12	9.91	8	10.00	15.00	150.59	RD	2.03	4	3	3	
42	440+38.60	440+61.56	RT	10	9.4	4	10.00	15.00	143.40	RD	1.80	3	3	3	1
43	440+94.09	441+31.91	LT	18	10.86	12 9	ROW	15.00	166.07	RD	2.63	5	3	4	
44	441+49.30	441+93.49	LT	27	22.01	11 7	ROW	15.00	213.75	RD	4.54	8	3	4	
45	442+08.97	442+59.66	LT	32	20.35	9 11	ROW	15.00	241.21	RD	4.85	9	3	5	
46	442+52.78	442+79.31	RT	16	10.01	4	10.00	15.00	184.07	RD	2.41	4	3	4	
47	443+00.96	443+40.79	LT	25	21.82	8 7	ROW	15.00	174.40	RD	4.28	8	3	4	
48	443+61.50	443+96.89	LT	20	21.43	9 7	ROW	15.00	142.92	RD	3.74	7	3	3	
49	444+35.72	444+67.72	LT	20	20	6	ROW	30.00	137.38	RD	7.41	13	3	3	
50	445+53.53	445+91.66	LT	24	14.23	5 9	ROW	15.00	174.58	RD	3.54	6	3	4	1
51	447+90.94	448+16.42	LT	18	16.18	4 3	ROW	30.00	129.76	RD	5.99	11	3	3	
52	449+77.33	450+14.29	LT	25	15.16	5	ROW	15.00	200.53	RD	3.72	7	3	4	
53	451+47.04	451+72.95	RT	16	11.73	4	10.00	15.00	179.07	RD	2.57	5	3	4	1
54	452+15.35	452+47.78	LT	18	7.37	6	ROW	15.00	173.08	RD	2.35	4	3	4	1
55	452+92.76	453+19.51	LT	12	8.07	7 5	ROW	15.00	133.49	RD	1.85	3	3	3	
56	453+81.79	454+08.59	LT	11	5.62	7 8	ROW	15.00	128.54	RD	1.54	3	3	3	
57	454+36.97	454+57.16	LT	10	9.74	8 3	ROW	15.00	103.84	RD	1.83	3	3	2	
58	455+07.00	455+37.12	LT	10	8.23	7 8	ROW	15.00	155.75	RD	1.65	3	3	3	1
59	455+77.29	456+07.20	LT	8	8	11	10.00	15.00	130.99	RD	1.47	3	3	3	
SUBTOTAL SHEET 1											97		133		8
SUBTOTAL SHEET 2											202		123		6
PROJECT TOTAL											299		256		14



RFC

811 CALL UTILITY NOTIFICATION CENTER OF COLORADO
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

AECOM

DESIGNED: CPF CAD: CPF CHECKED: RAC DATE: 02/14/2019

95TH STREET DRIVEWAY TABULATION

PROJECT NO: 74030 SHEET NO: 17

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95TH STREET CENTERLINE

ELEMENT	PI STATION	PI NORTHING	PI EASTING	LINE DATA		CURVE DATA							
				BEARING	DISTANCE	RADIUS	DEGREE	LENGTH	TANGENT	MDS	e	DELTA	
POB	61+26.00	251,493.75	104,223.65										
				N 0°12'59" E	840.03								
PI	69+66.03	252,333.77	104,226.82										
				N 0°06'36" W	830.49								
PI	77+96.53	253,164.27	104,225.23										
				N 0°04'47" W	420.74								
PI	82+17.27	252,333.77	104,226.82										
				N 0°22'43" W	382.74								
PI	86+00.00	253,967.74	104,222.11										
				N 0°14'49" W	595.74								
PI	91+95.74	254,563.47	104,219.55										
				N 0°16'33" W	586.29								
PI	97+82.03	255,149.75	104,216.72										
				N 0°34'33" W	844.41								
PI	106+26.44	255,994.12	104,208.24										
				N 1°02'11" W	747.64								
PI	113+74.09	256,741.64	104,194.72										
				N 1°26'34" W	722.70								
PI	120+96.78	257,464.11	104,176.52										
				N 1°36'07" W	574.15								
PI	126+70.94	258,038.04	104,160.47										
				N 0°17'50" W	1016.04								
PI	136+86.98	259,054.07	104,155.19										
				N 0°06'21" W	413.03								
PI	141+00.01	259,467.09	104,154.43										
				N 0°30'54" W	426.87								
PI	145+26.88	259,893.95	104,150.59										
				N 0°30'32" W	837.60								
PI	153+64.48	260,731.51	104,143.15										
				N 0°26'43" W	1335.72								
PI	167+00.20	262,067.20	104,132.77										
				N 0°32'47" W	886.86								
POE	175+87.06	262,954.02	104,124.32										



RFC	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	NO.	DATE	REVISION DESCRIPTION:	<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p>	DESIGNED:	CAD:	CHECKED:	DATE:	<p>95TH STREET GEOMETRIC LAYOUT</p>	PROJECT NO: 74030	SHEET NO: 18
						CPF	CPF	RAC	02/14/2019			

95TH STREET CENTERLINE

ELEMENT	PI STATION	PI NORTHING	PI EASTING	LINE DATA		CURVE DATA							
				BEARING	DISTANCE	RADIUS	DEGREE	LENGTH	TANGENT	MDS	e	DELTA	
POB	241+92.18	269,559.03	104,088.45										
				N 0°13'15" W	388.59								
PI	245+80.77	269,947.61	104,086.95										
				N 1°05'04" W	350.00								
PI	249+30.77	270,297.55	104,080.33										
				N 0°36'24" W	350.00								
PI	252+80.77	270,647.53	104,076.62										
				N 1°31'40" W	409.36								
PI	256+90.14	271,056.75	104,065.71										
				N 0°38'06" W	400.00								
PI	260+90.14	271,456.72	104,061.27										
				N 0°32'09" W	562.83								
PI	266+52.97	272,019.53	104,056.01										
				N 0°48'00" W	739.04								
PI	273+92.01	272,758.50	104,045.69										
				N 0°59'36" W	987.71								
PI	283+79.72	273,746.07	104,028.57										
				N 0°57'32" W	537.26								
PI	289+16.98	274,283.25	104,019.58										
				N 1°06'05" W	983.02								
PI	299+00.00 BK 289+99.95 AHD	275,266.09	104,000.69										
				N 1°26'25" W	538.55								
PI	304+38.50	275,804.47	103,987.15										
				N 0°58'56" W	214.93								
PI	306+53.43	276,019.37	103,983.47										
				N 0°01'04" E	485.07								
PI	311+38.50	276,504.44	103,983.62										
				N 0°39'54" W	635.65								
PI	317+74.16	277,140.05	103,976.24										
				N 0°12'43" E	525.43								
PI	322+99.58	277,665.47	103,978.18										
				N 0°05'19" W	484.22								
PI	327+83.80	278,149.69	103,977.44										
				N 0°18'26" E	300.00								
PI	330+83.81	278,449.69	103,979.04										
				N 0°17'40" E	349.87								
PI	334+33.67	278,799.55	103,980.84										
				N 0°09'16" E	441.10								
PI	338+74.77	279,240.65	103,982.03										
				N 0°30'28" E	280.00								
PI	341+54.77	279,520.64	103,984.51										
				N 0°22'03" E	264.05								
PI	344+18.82	279,784.68	103,986.21										
				N 0°00'40" W	596.08								
PI	350+14.90	280,380.76	103,986.09										
				N 0°31'07" E	650.00								
PI	356+64.90	281,030.73	103,991.97										
				N 0°40'25" E	700.00								
PI	363+64.90	281,730.68	104,000.20										
				N 0°48'20" E	495.71								
PI	368+60.61	282,226.34	104,007.17										
				N 0°52'19" E	470.90								
PI	373+31.51	282,697.19	104,014.34										
				N 0°47'40" E	697.84								
PI	380+29.35	283,394.96	104,024.01										
				N 0°55'29" E	950.00								
PI	389+79.35	284,344.84	104,039.34										



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RFC	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 5%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 85%;">REVISION DESCRIPTION:</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	REVISION DESCRIPTION:							<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DESIGNED: CPF</td> <td style="width: 25%;">CAD: NSA</td> <td style="width: 25%;">CHECKED: RAC</td> <td style="width: 25%;">DATE: 02/14/2019</td> </tr> </table>	DESIGNED: CPF	CAD: NSA	CHECKED: RAC	DATE: 02/14/2019	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROJECT NO: 74030</td> <td style="width: 50%;">SHEET NO: 19</td> </tr> </table>	PROJECT NO: 74030	SHEET NO: 19
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PROJECT NO: 74030	SHEET NO: 19																				

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95TH STREET CENTERLINE

ELEMENT	PI STATION	PI NORTHING	PI EASTING	LINE DATA		CURVE DATA						
				BEARING	DISTANCE	RADIUS	DEGREE	LENGTH	TANGENT	MDS	e	DELTA
				N 0°50'00" E	305.87							
PC	392+85.22	284,650.67	104,043.79									
PI (C1)	394+59.35	284,824.79	104,046.33			10,000.00	0°34'23"	348.23	174.13	55 MPH	NC	1°59'43" RT
PT	396+33.45	284,998.71	104,054.92									
				N 2°49'43" E	255.33							
PC	398+88.77	285,253.73	104,067.52									
PI (C2)	403+72.40	285,736.76	104,091.38			16,000.00	0°21'29"	966.95	483.62	>60 MPH	NC	3°27'45" LT
PT	408+55.72	286,220.35	104,086.03									
				N 0°38'03" W	775.52							
PI	416+31.25	286,995.82	104,077.45									
				N 0°30'09" W	721.75							
PI	423+53.00	287,717.55	104,071.12									
				N 0°28'31" W	509.65							
PI	428+62.65	288,227.18	104,066.89									
				N 0°17'17" W	456.83							
PI	433+19.48	288,684.01	104,064.59									
				N 0°07'23" W	424.78							
PI	437+44.26	289,108.78	104,063.68									
				N 0°22'21" W	606.79							
PI	443+51.04	289,715.56	104,059.74									
				N 0°01'47" E	800.00							
PI	451+51.04	290,515.56	104,060.15									
				N 0°15'51" E	546.31							
POE	456+97.35	291,061.86	104,062.67									

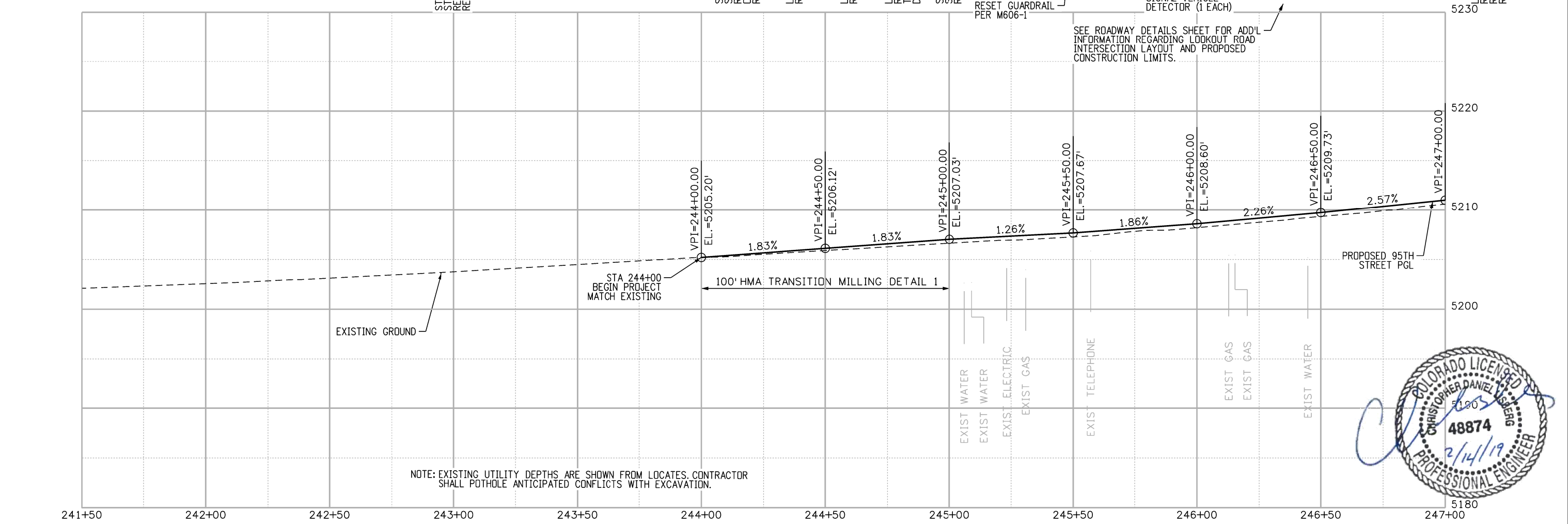
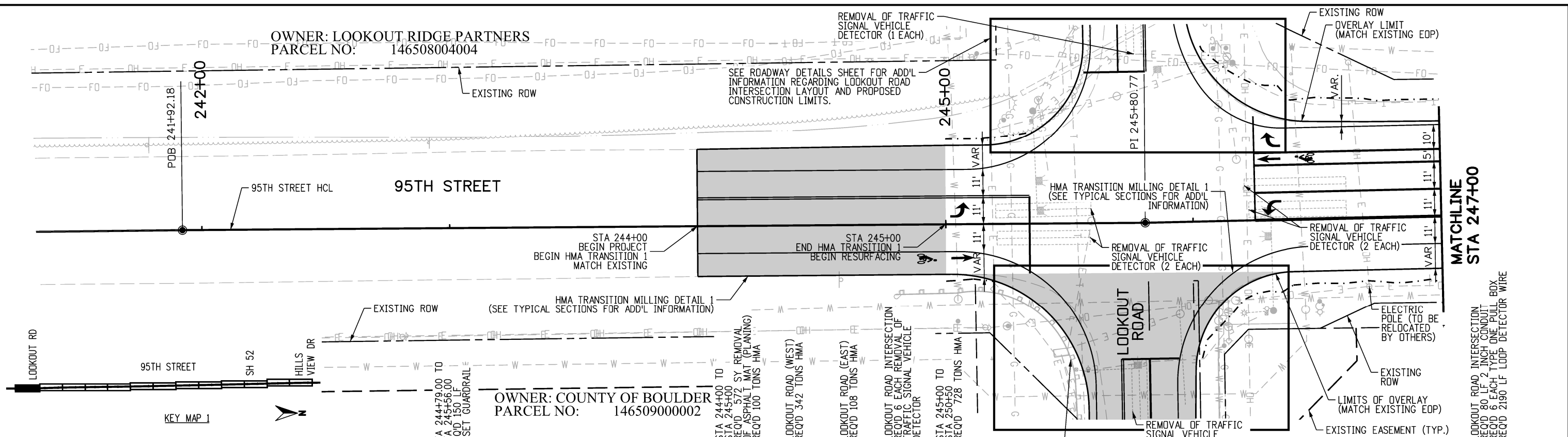
OGALLALA ROAD CENTERLINE

ELEMENT	PI STATION	PI NORTHING	PI EASTING	LINE DATA		CURVE DATA						
				BEARING	DISTANCE	RADIUS	DEGREE	LENGTH	TANGENT	MDS	e	DELTA
POB	4306+00.00	288,424.53	104,065.90									
				S 89°34'16" W	100.00							
POE	4307+00.00	288,423.78	103,965.90									



RFC	CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	NO.	DATE	REVISION DESCRIPTION:	BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION		DESIGNED:	CAD:	CHECKED:	DATE:	PROJECT NO: 74030 SHEET NO: 20
							CPF	NSA	RAC	02/14/2019	

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NOTE: EXISTING UTILITY DEPTHS ARE SHOWN FROM LOCATES. CONTRACTOR SHALL POTHOLE ANTICIPATED CONFLICTS WITH EXCAVATION.



RFC

CALL UTILITY NOTIFICATION CENTER OF COLORADO
811
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

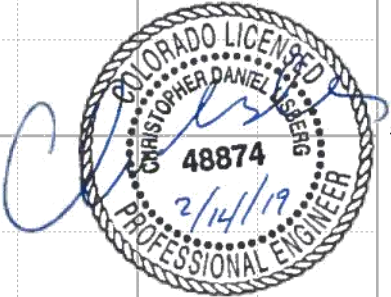
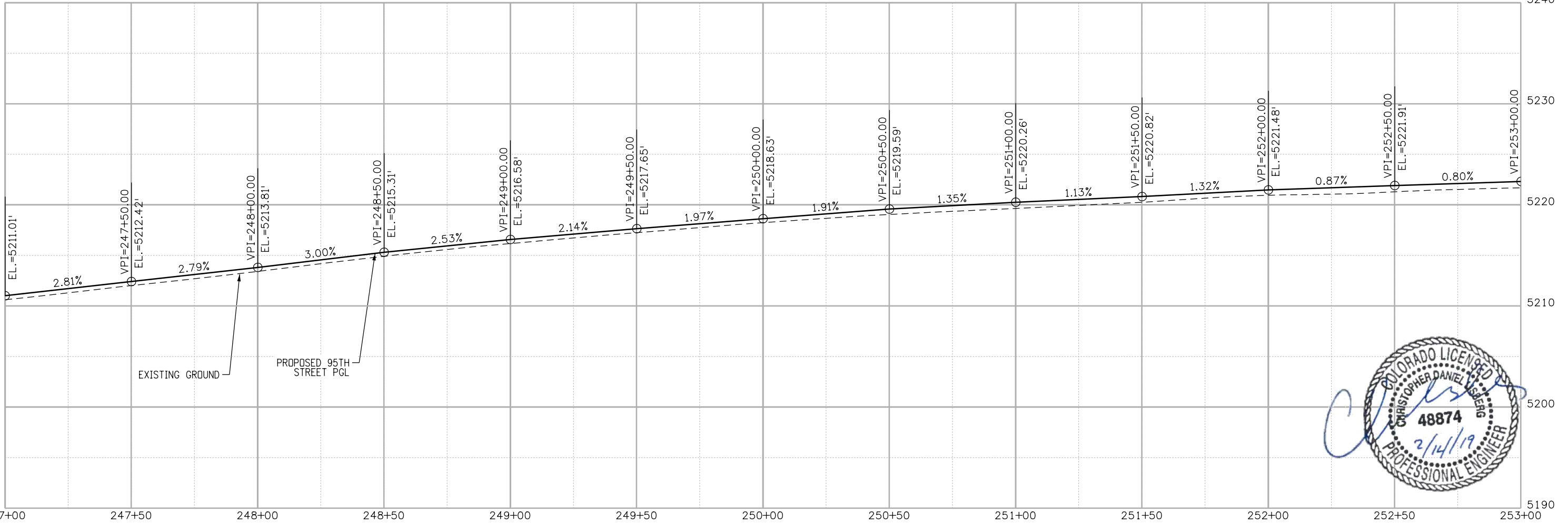
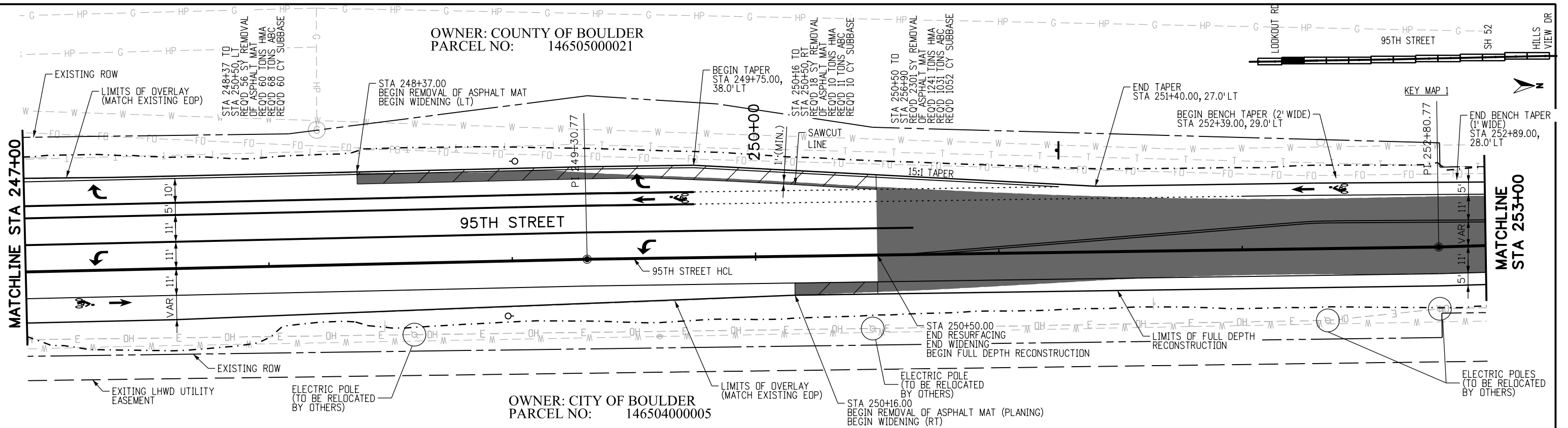
BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: JTS CAD: MPR CHECKED: CDL DATE: 02/14/2019

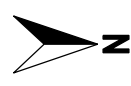
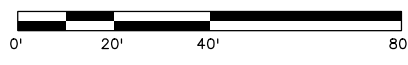
95TH STREET
PLAN AND PROFILE
 PROJECT NO: 74030 SHEET NO: 21

OWNER: COUNTY OF BOULDER
 PARCEL NO: 146505000021

OWNER: CITY OF BOULDER
 PARCEL NO: 146504000005



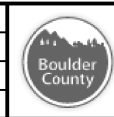
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RFC

811
 CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION



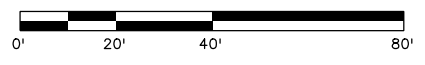
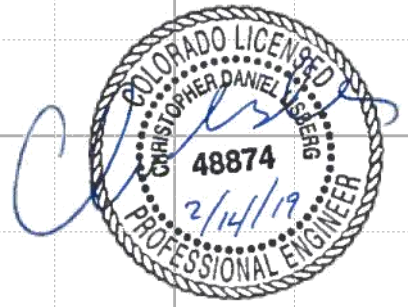
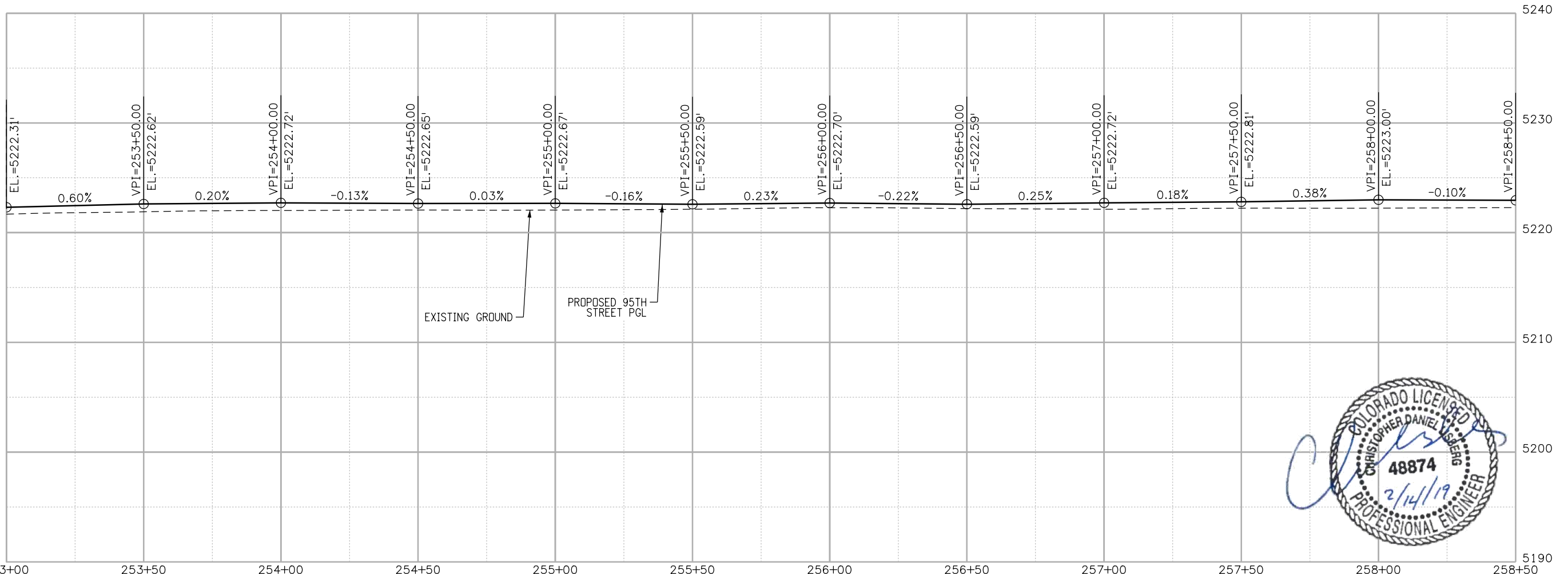
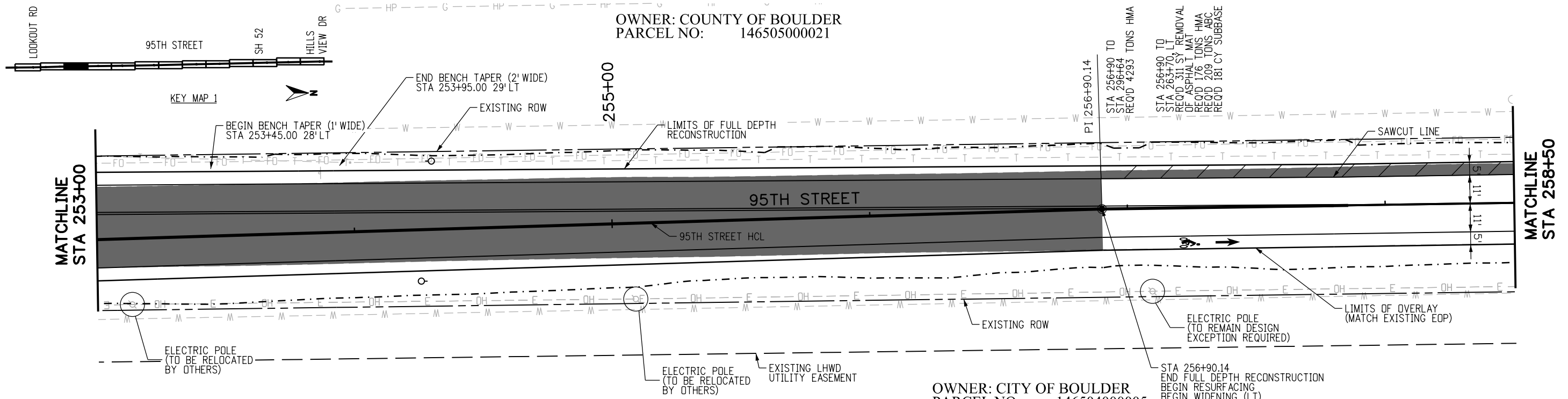
BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

95TH STREET
PLAN AND PROFILE
 DESIGNED: JTS CAD: MPR CHECKED: CDL DATE: 02/14/2019
 PROJECT NO: 74030 SHEET NO: 22

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OWNER: COUNTY OF BOULDER
 PARCEL NO: 146505000021

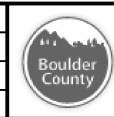
OWNER: CITY OF BOULDER
 PARCEL NO: 146504000005



RFC

CALL UTILITY NOTIFICATION CENTER OF COLORADO
811
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION



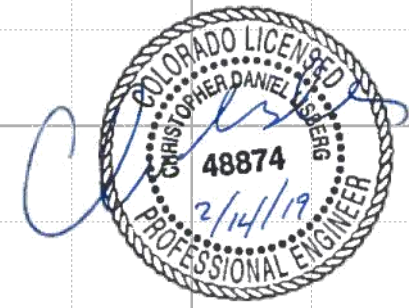
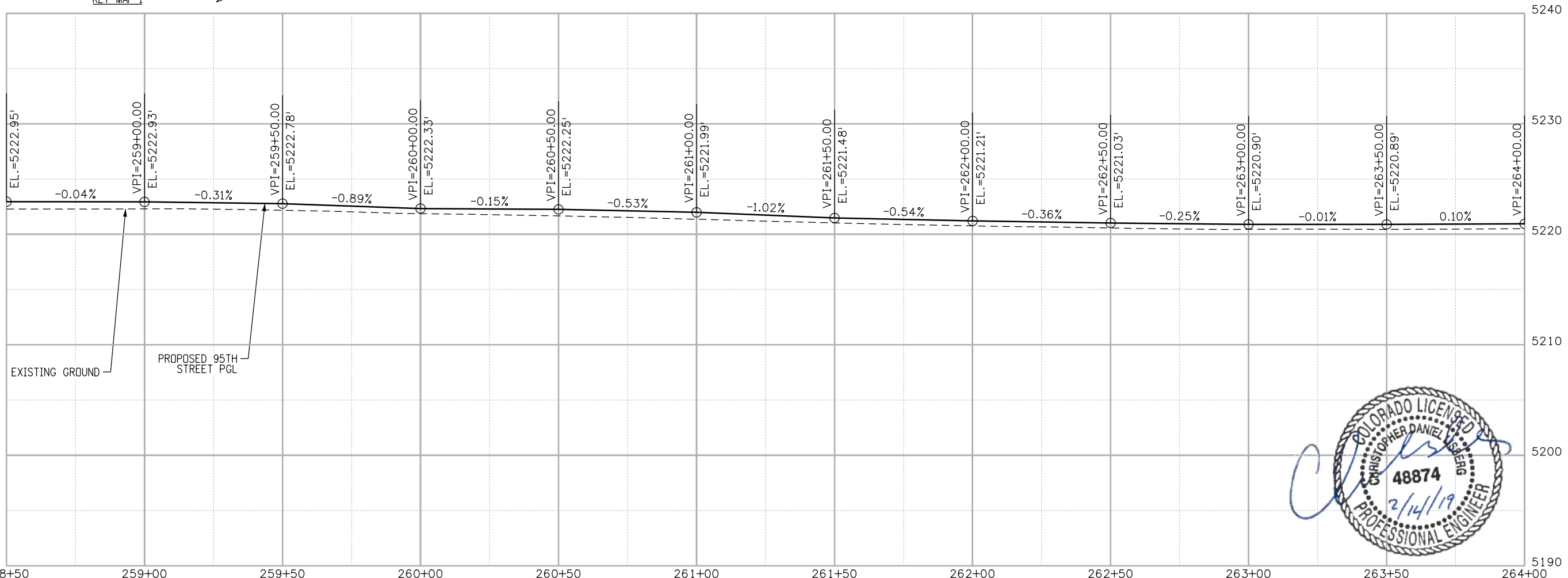
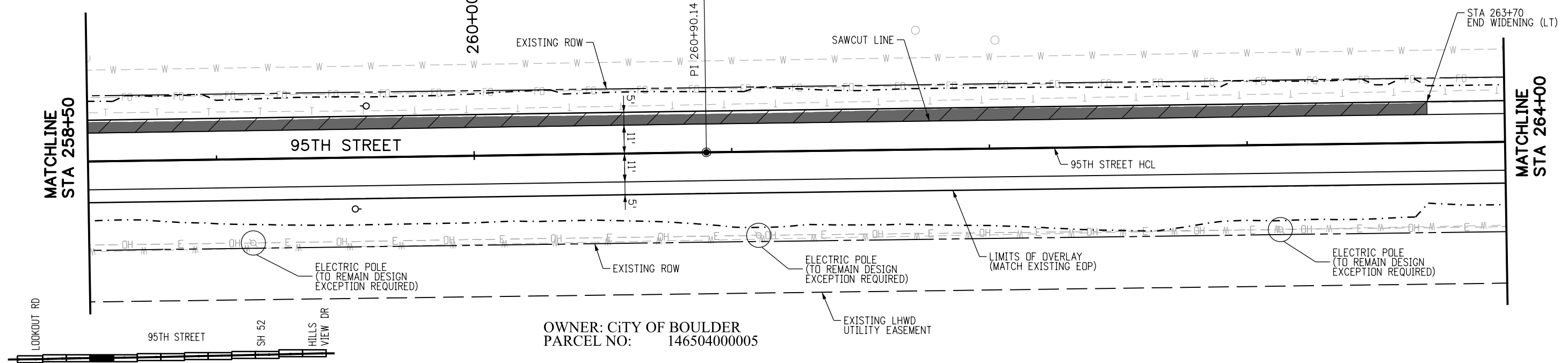
BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
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95TH STREET
PLAN AND PROFILE
 DESIGNED: JTS CAD: MPR CHECKED: CDL DATE: 02/14/2019
 PROJECT NO: 74030 SHEET NO: 23

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OWNER: COUNTY OF BOULDER
 PARCEL NO: 146505000021

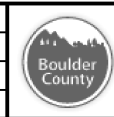
OWNER: CITY OF BOULDER
 PARCEL NO: 146504000005



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811
 CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

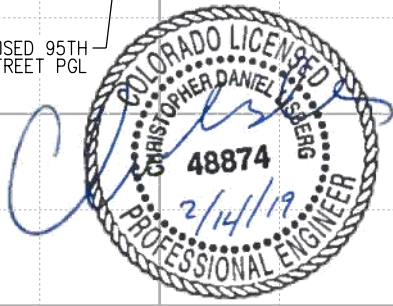
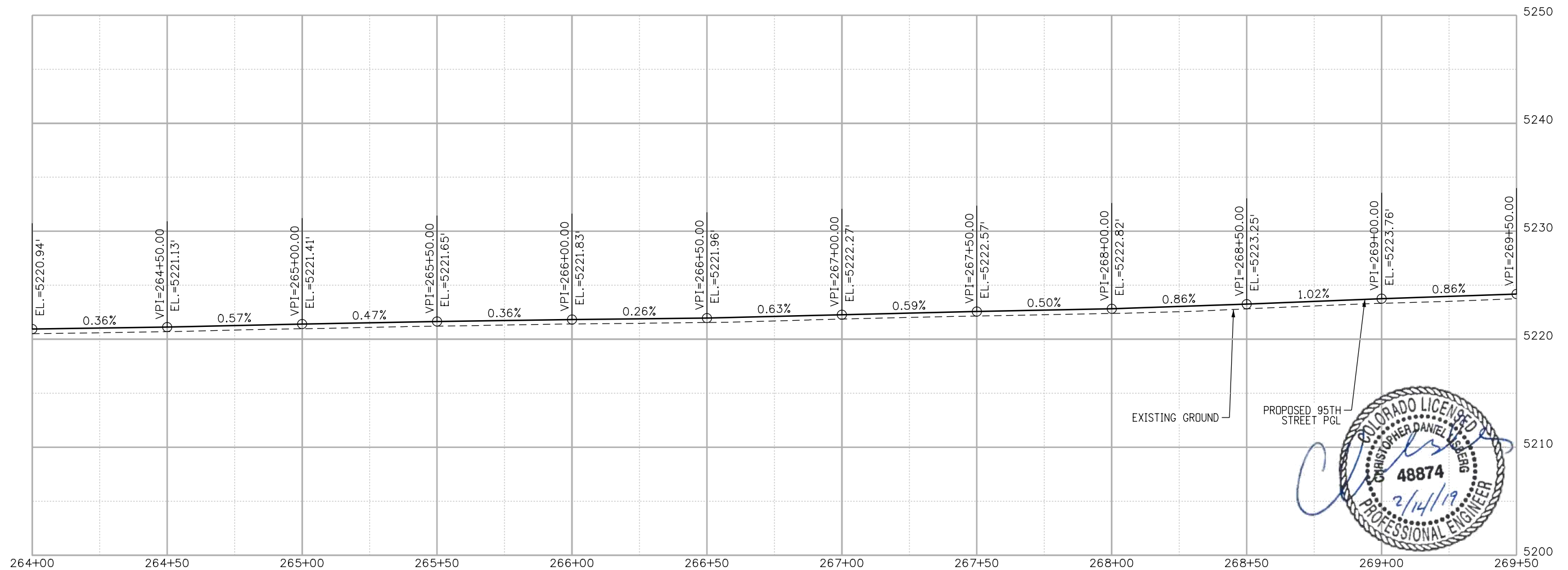
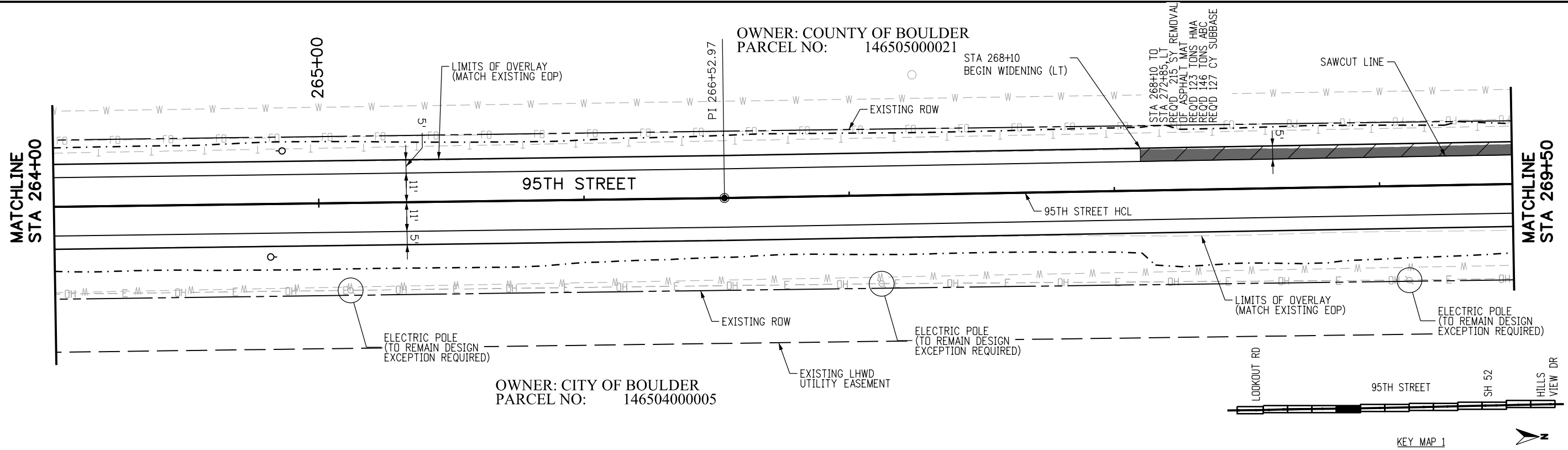


BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
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DESIGNED: JTS
 CAD: MPR
 CHECKED: CDL
 DATE: 02/14/2019

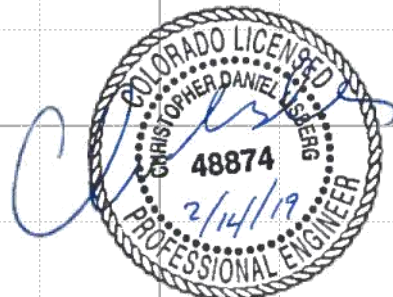
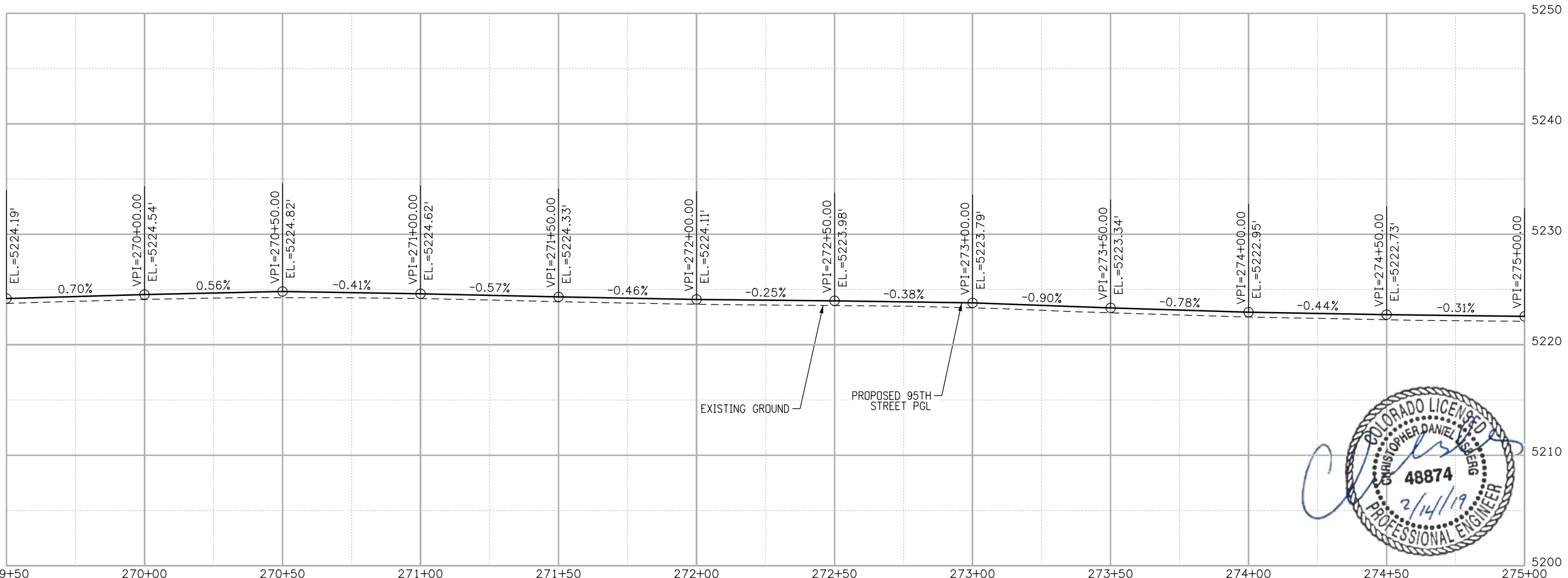
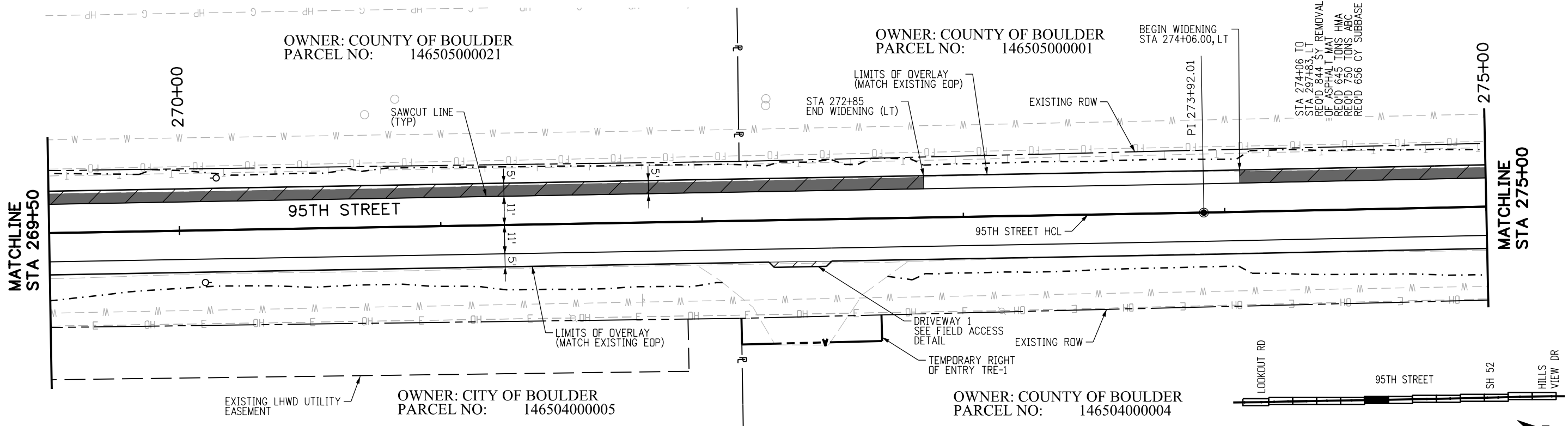
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PLAN AND PROFILE
 PROJECT NO: 74030
 SHEET NO: 24

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RFC	CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 85%;">REVISION DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	REVISION DESCRIPTION				 BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION	95TH STREET PLAN AND PROFILE
NO.	DATE	REVISION DESCRIPTION								
DESIGNED: JTS CAD: MPR CHECKED: CDL	DATE: 02/14/2019	PROJECT NO: 74030	SHEET NO: 25							

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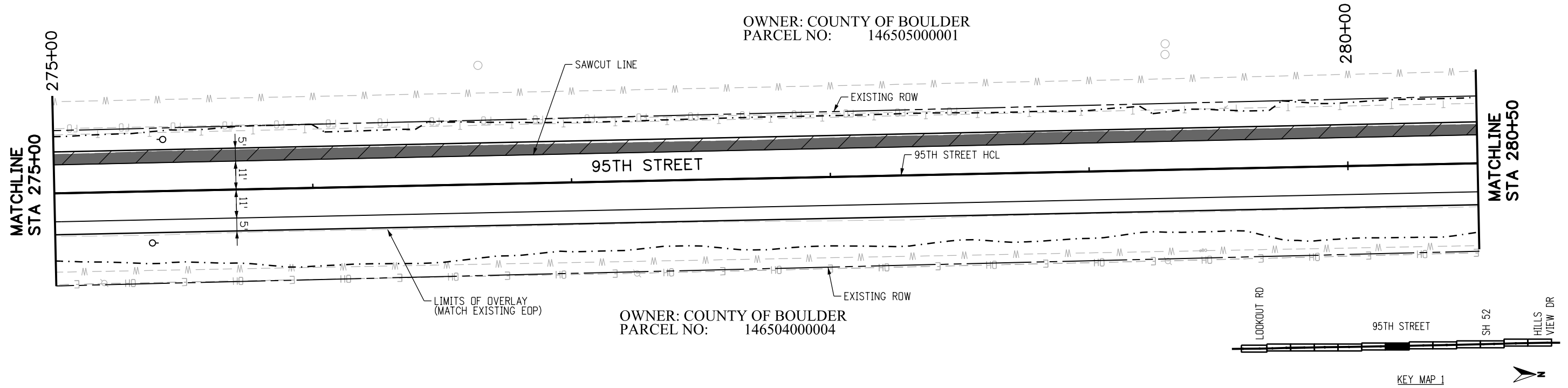


CALL UTILITY NOTIFICATION CENTER OF COLORADO 		BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION	
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES		AECOM	
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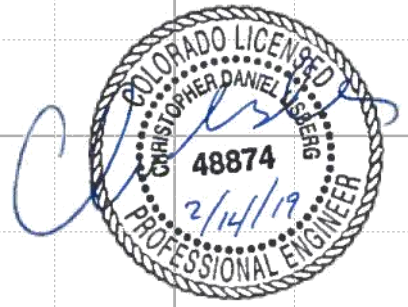
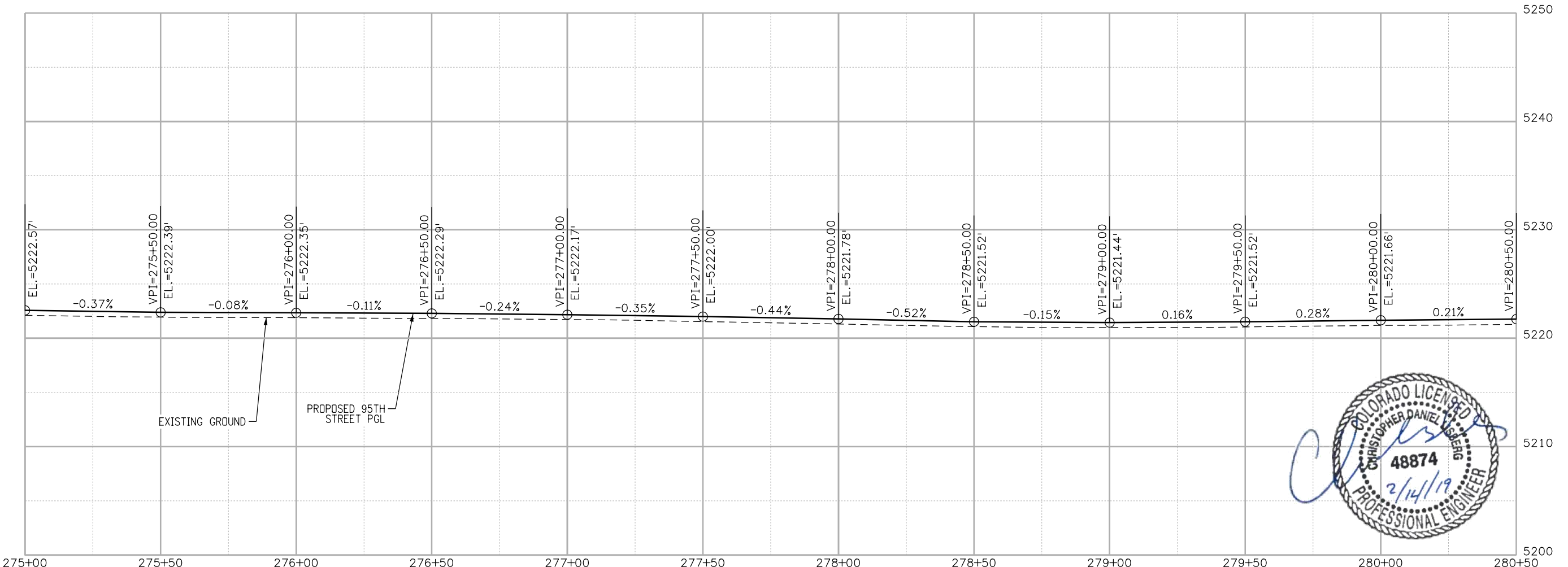
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OWNER: COUNTY OF BOULDER
 PARCEL NO: 146505000001



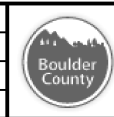
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 PARCEL NO: 146504000004



RFC

811
 CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

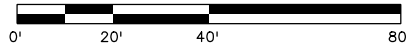
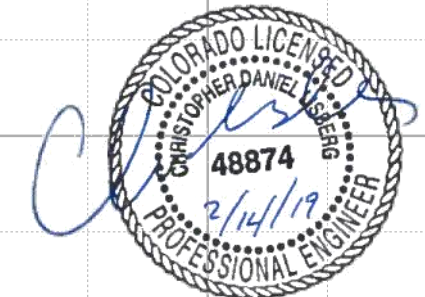
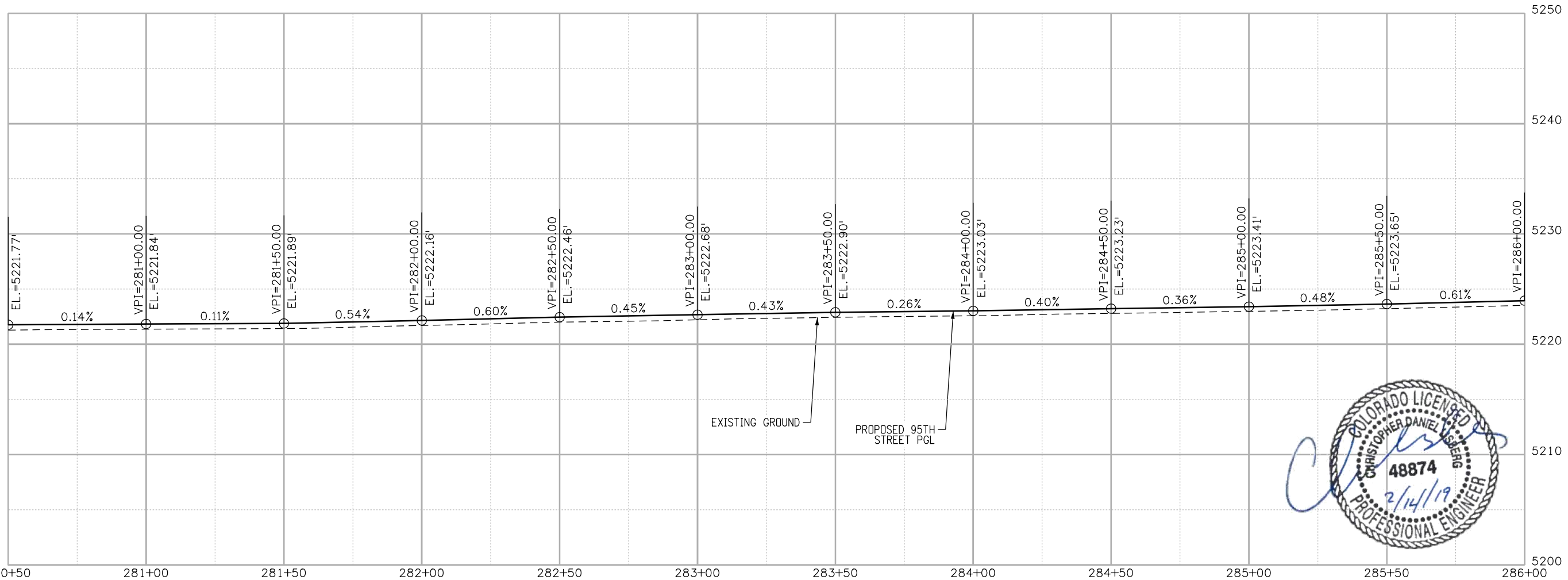
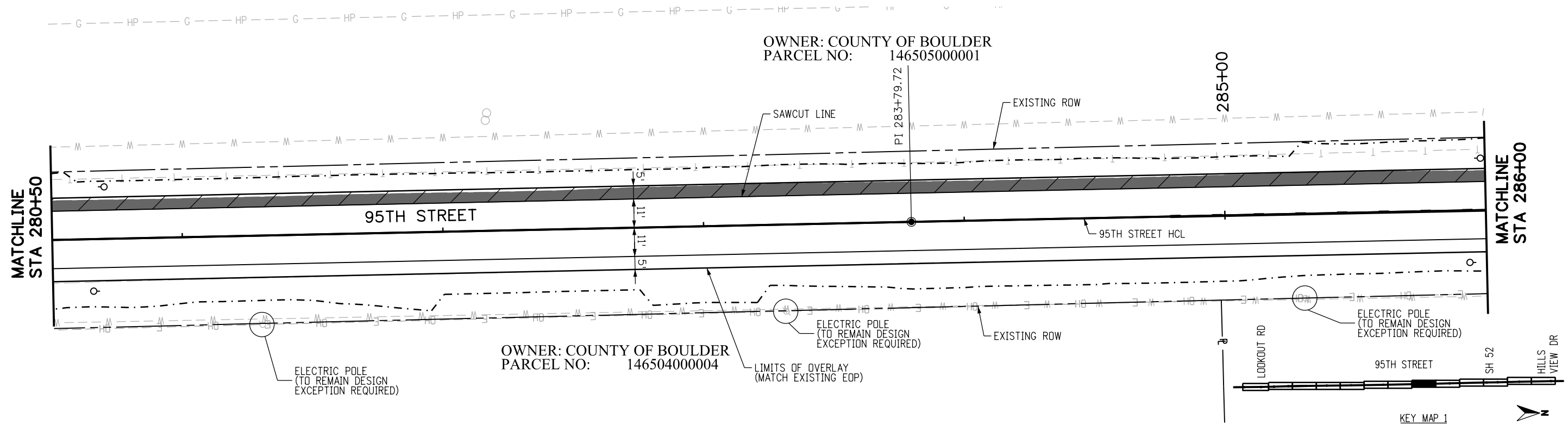


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ENGINEERING DIVISION
AECOM

DESIGNED: JTS
 CAD: MPR
 CHECKED: CDL
 DATE: 02/14/2019

95TH STREET
PLAN AND PROFILE
 PROJECT NO: 74030
 SHEET NO: 27

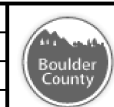
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RFC

811
CALL UTILITY NOTIFICATION CENTER OF COLORADO
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

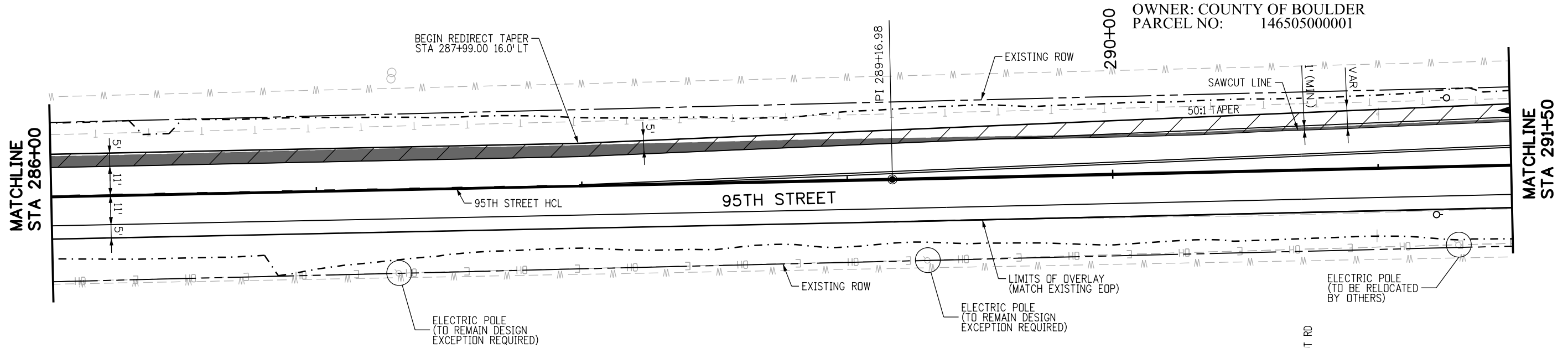


BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

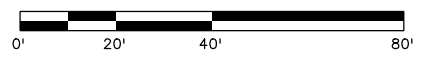
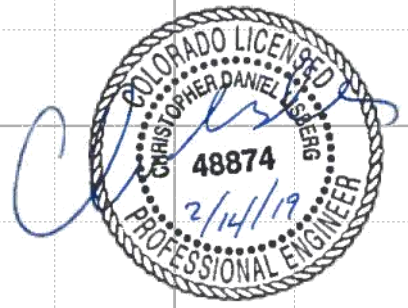
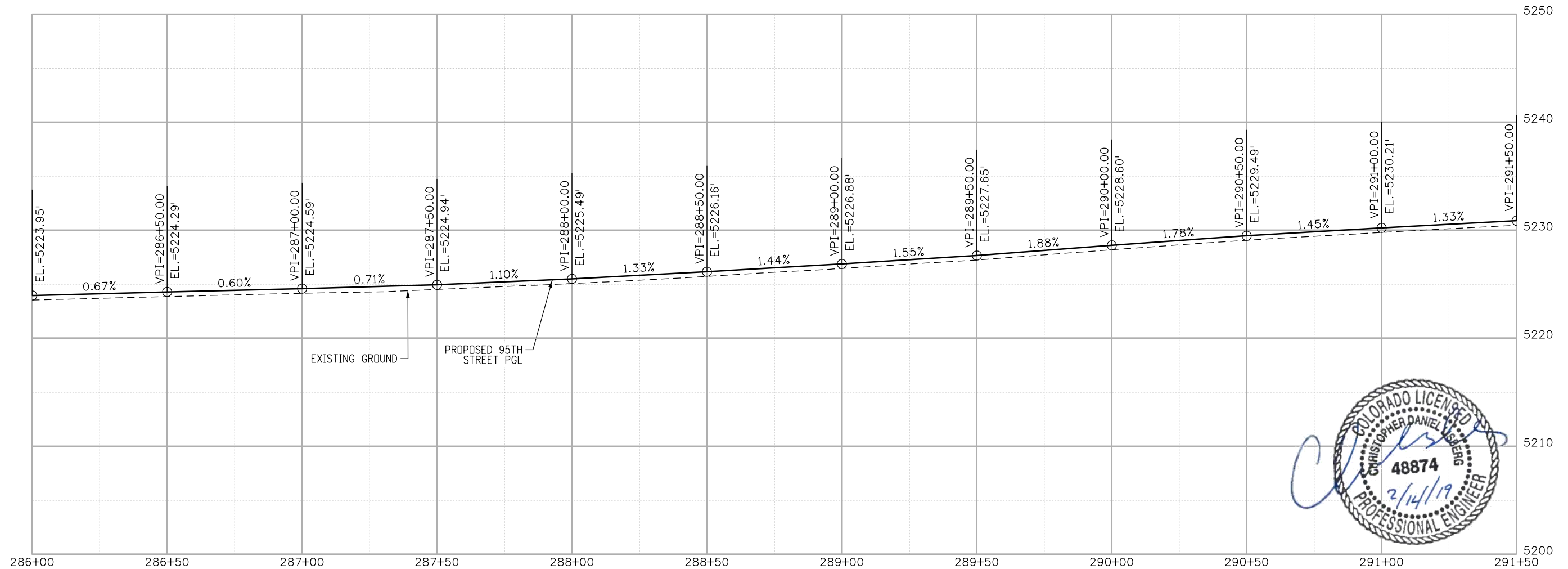
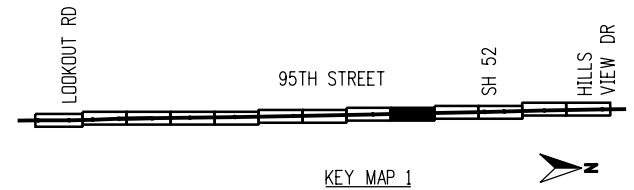
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CAD: MPR
CHECKED: CDL
DATE: 02/14/2019

95TH STREET
PLAN AND PROFILE
PROJECT NO: 74030
SHEET NO: 28

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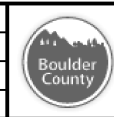
OWNER: COUNTY OF BOULDER
PARCEL NO: 146504000003



RFC

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CALL UTILITY NOTIFICATION CENTER OF COLORADO
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

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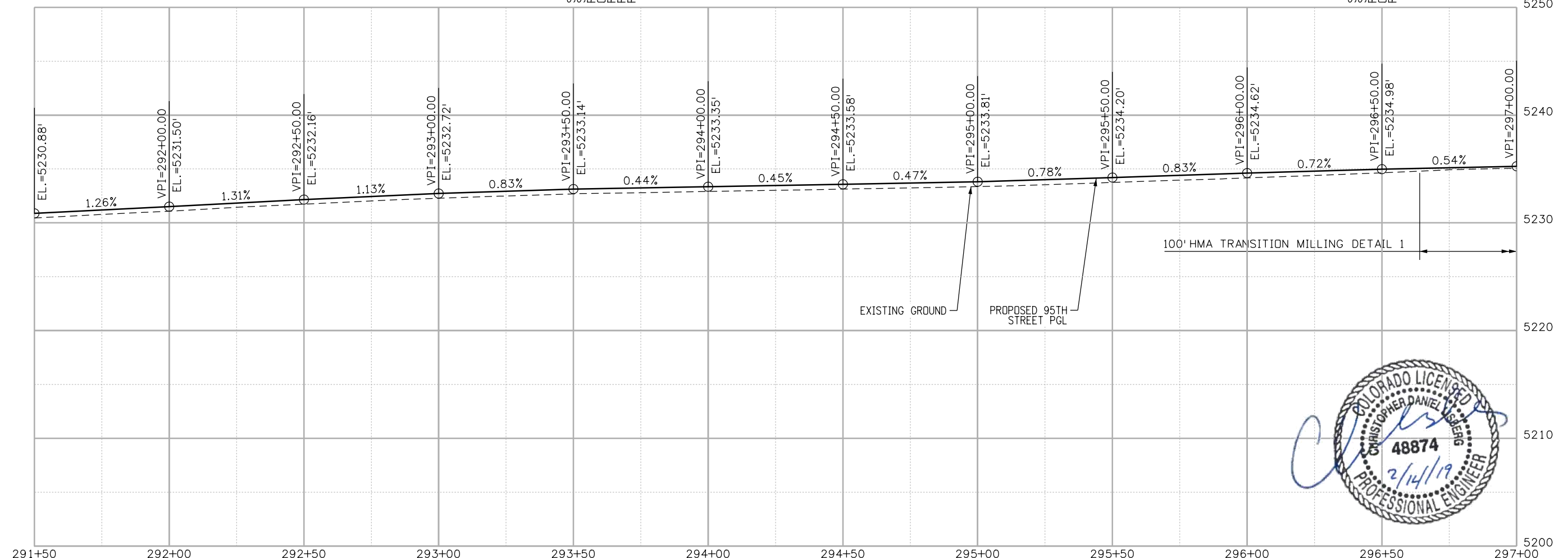
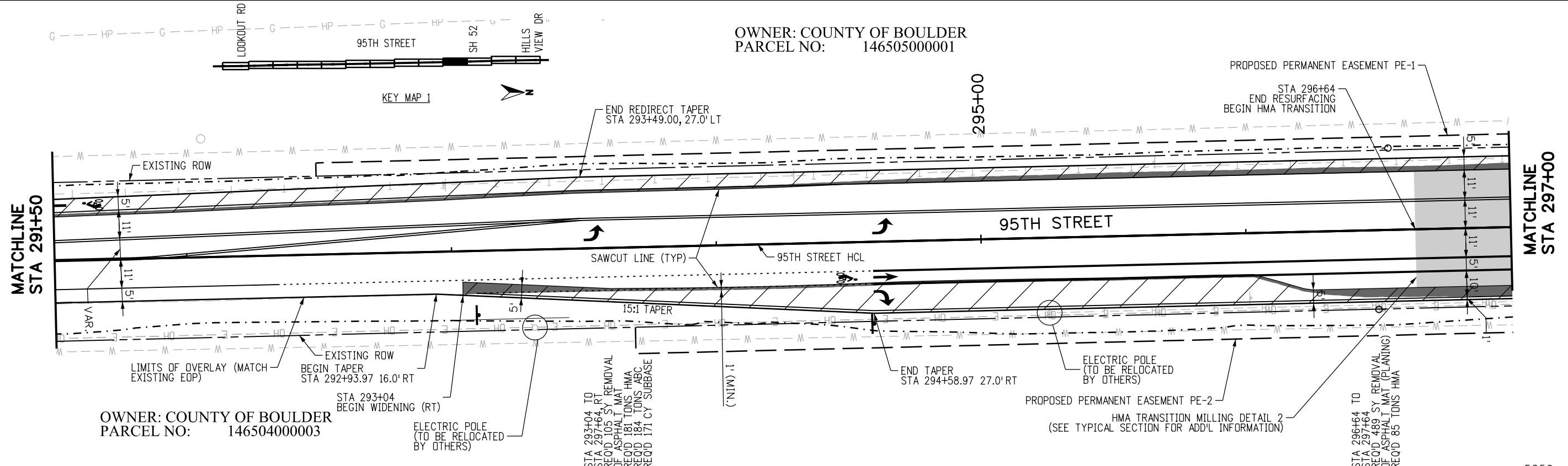


BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

95TH STREET
PLAN AND PROFILE
DESIGNED: JTS CAD: MPR CHECKED: CDL DATE: 02/14/2019
PROJECT NO: 74030 SHEET NO: 29

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OWNER: COUNTY OF BOULDER
PARCEL NO: 14650500001



RFC

CALL UTILITY NOTIFICATION CENTER OF COLORADO
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CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

95TH STREET
PLAN AND PROFILE

DESIGNED: JTS
CAD: MPR
CHECKED: CDL
DATE: 02/14/2019

PROJECT NO: 74030
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OWNER: COUNTY OF BOULDER
PARCEL NO: 14650500001

OWNER: REYES DAVID M & RONDA L HACKBART-REYES REV TR
PARCEL NO: 131532002003

MATCHLINE
STA 297+00

MATCHLINE
STA 302+50

HMA TRANSITION MILLING DETAIL 1
(SEE TYPICAL SECTION FOR ADD'L
INFORMATION)

PROPOSED PERMANENT
EASEMENT PE-1

95TH STREET

STA 297+83
END WIDENING (LT)

STA 297+64
END WIDENING (RT)

ELECTRIC POLE
(TO BE RELOCATED
BY OTHERS)

PROPOSED PERMANENT
EASEMENT PE-2

OWNER: COUNTY OF BOULDER
PARCEL NO: 14650400003

MINERAL ROAD
(SH 52)

95TH STREET HCL

HMA TRANSITION MILLING DETAIL 2
(SEE TYPICAL SECTION FOR ADD'L
INFORMATION)

ELECTRIC POLE
(TO BE RELOCATED
BY OTHERS)

STA 299+26 TO
STA 299+85: LT
REQ'D 18 SY REMOVAL
OF ASPHALT MAT
REQ'D 17 TONS ABC
REQ'D 17 CY SUBBASE

STA 299+85 TO
STA 300+48: LT
REQ'D 33 SY REMOVAL
OF ASPHALT MAT HMA
REQ'D 266 TONS ABC
REQ'D 253 CY SUBBASE

OWNER: MONTOYA JOSEPH E JR
& FAITH R
PARCEL NO: 131533000020

STA 299+85 TO
STA 300+48: HMA
REQ'D 342 SY REMOVAL
OF ASPHALT MAT
(PLANING)
REQ'D 88 TONS HMA

STA 300+48 TO
STA 302+50: HMA
REQ'D 3068 SY REMOVAL
OF ASPHALT MAT
(PLANING)
REQ'D 676 TONS HMA

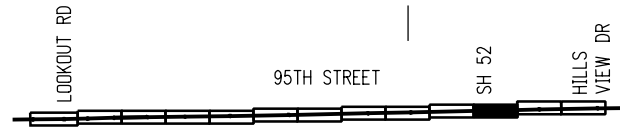
PROPOSED PERMANENT
EASEMENT PE-3

30' WATER EASEMENT
RECEPTION #2100730

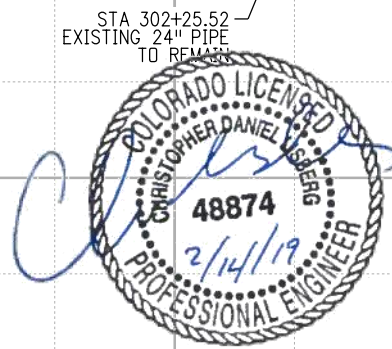
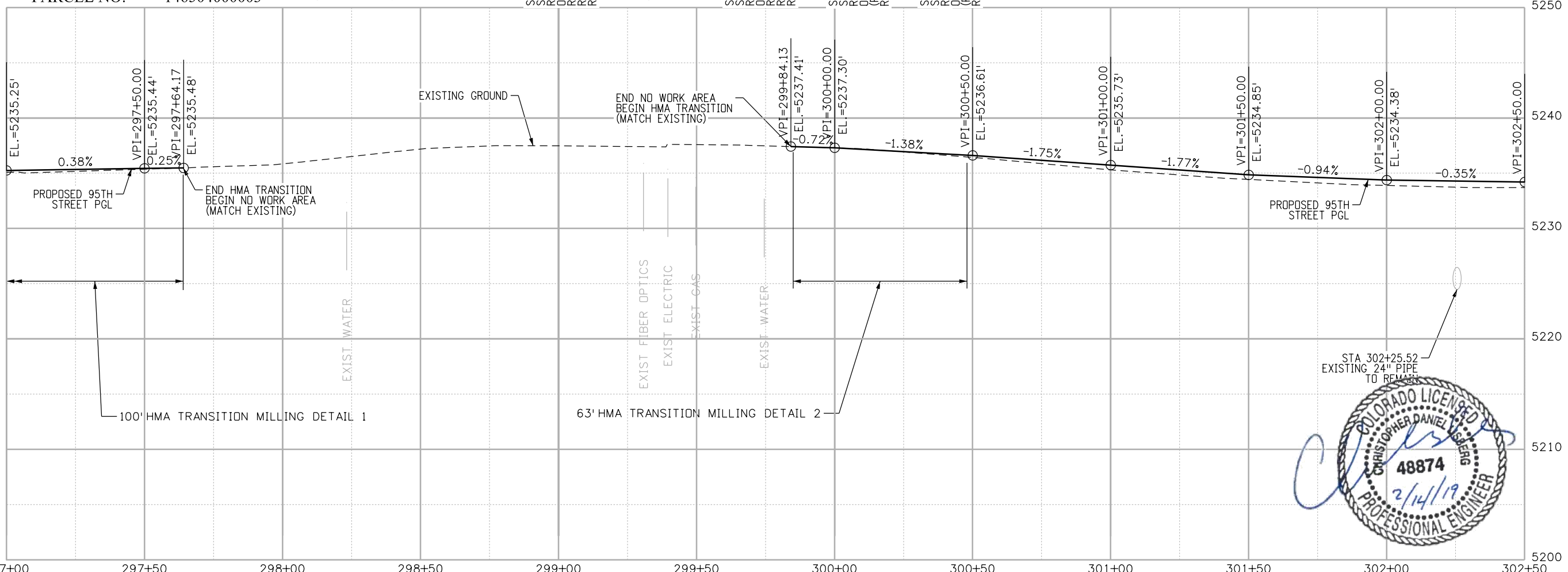
60' GAS EASEMENT
RECEPTION #03457440

STA 302+25.62, LT
REQ'D REMOVE
1 EA SES
REQ'D 16 LF 24" CSP
REQ'D 1 EA 24" SES

CULVERT EXTENSION
(SEE CULVERT PROFILES
FOR MORE DETAIL)



KEY MAP 1



RFC

CALL UTILITY NOTIFICATION CENTER OF COLORADO

 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

BOULDER COUNTY TRANSPORTATION DEPARTMENT

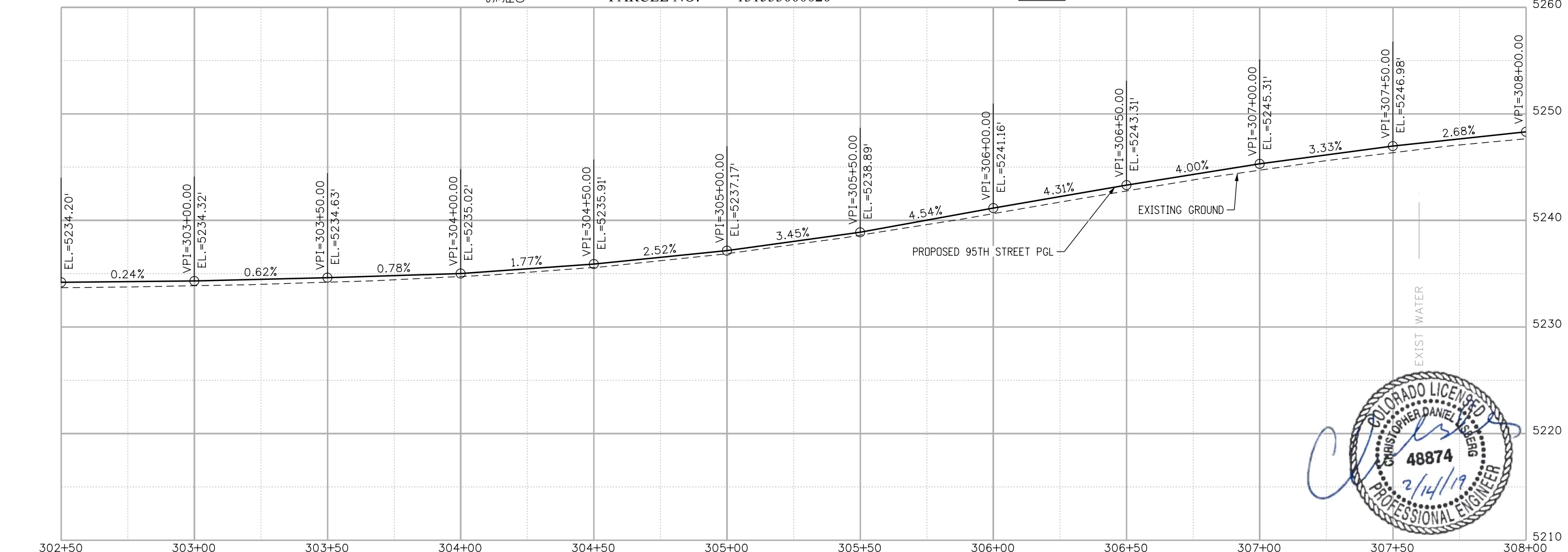
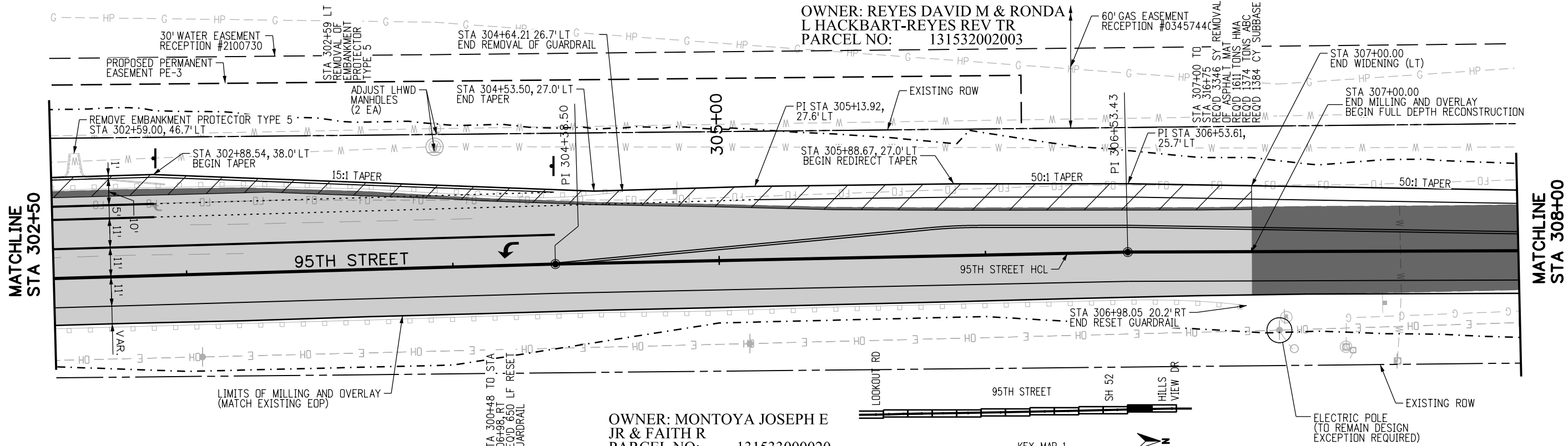
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DESIGNED: JTS	CAD: MPR	CHECKED: CDL	DATE: 02/14/2019
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**95TH STREET
PLAN AND PROFILE**

PROJECT NO: 74030	SHEET NO: 31
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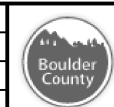
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CALL UTILITY NOTIFICATION CENTER OF COLORADO
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

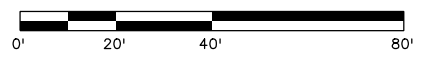
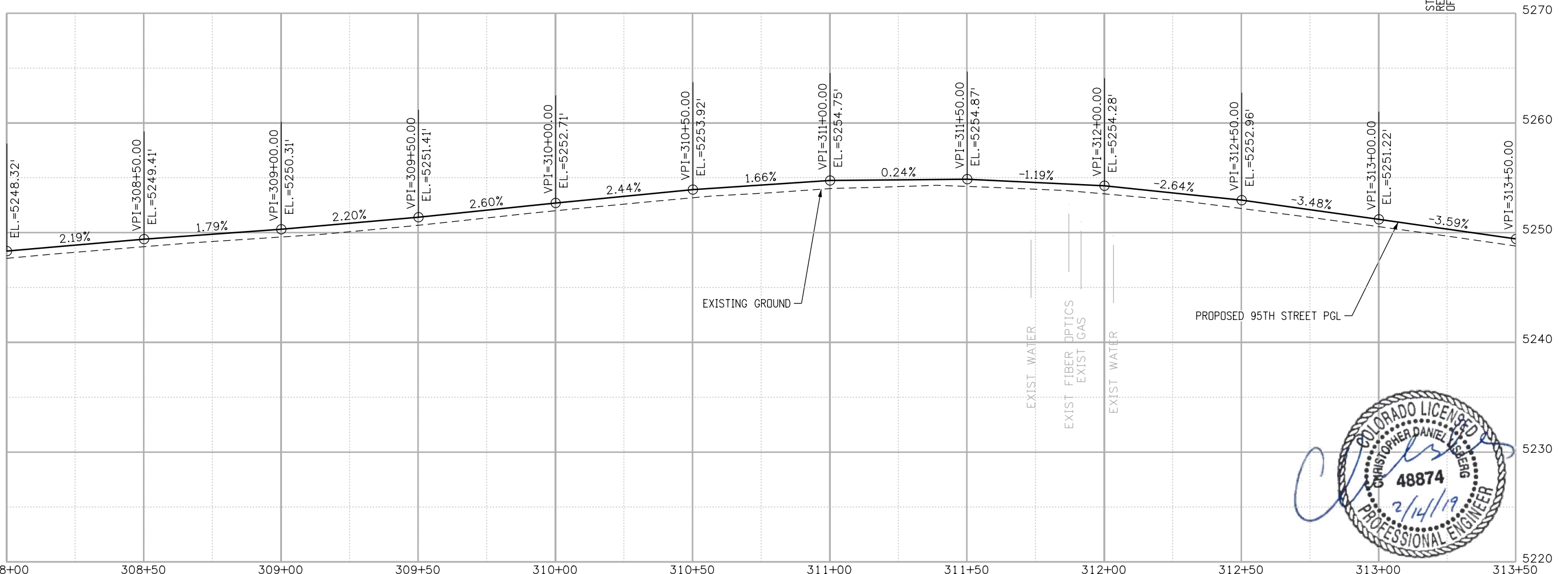
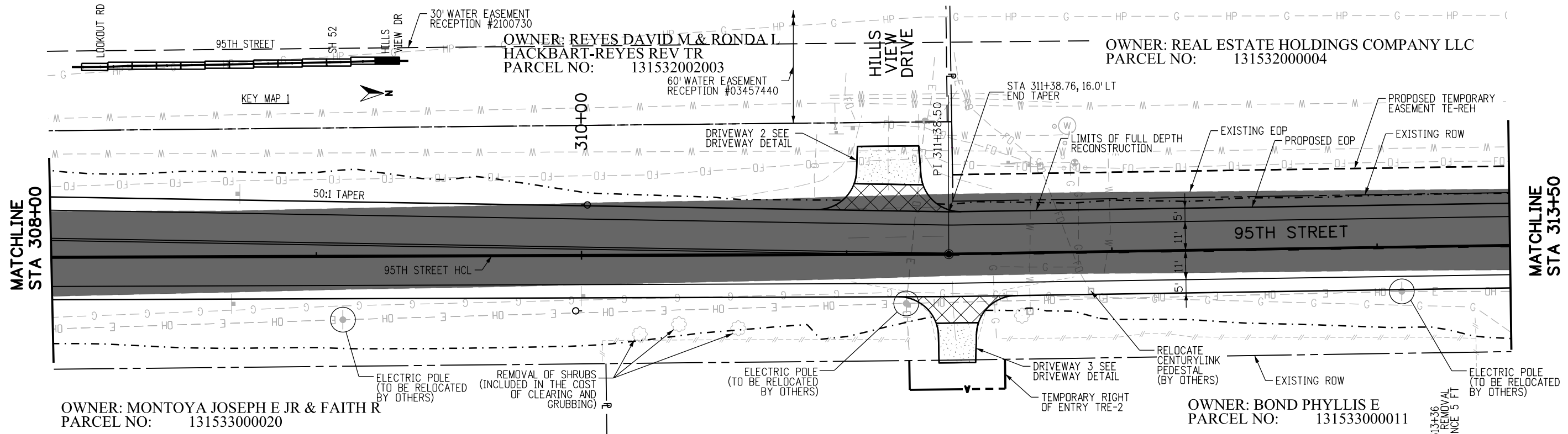


BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

95TH STREET
PLAN AND PROFILE
DESIGNED: JTS CAD: MPR CHECKED: CDL DATE: 02/14/2019
PROJECT NO: 74030 SHEET NO: 32



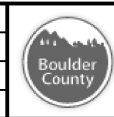
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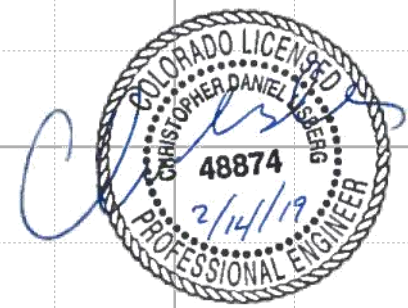
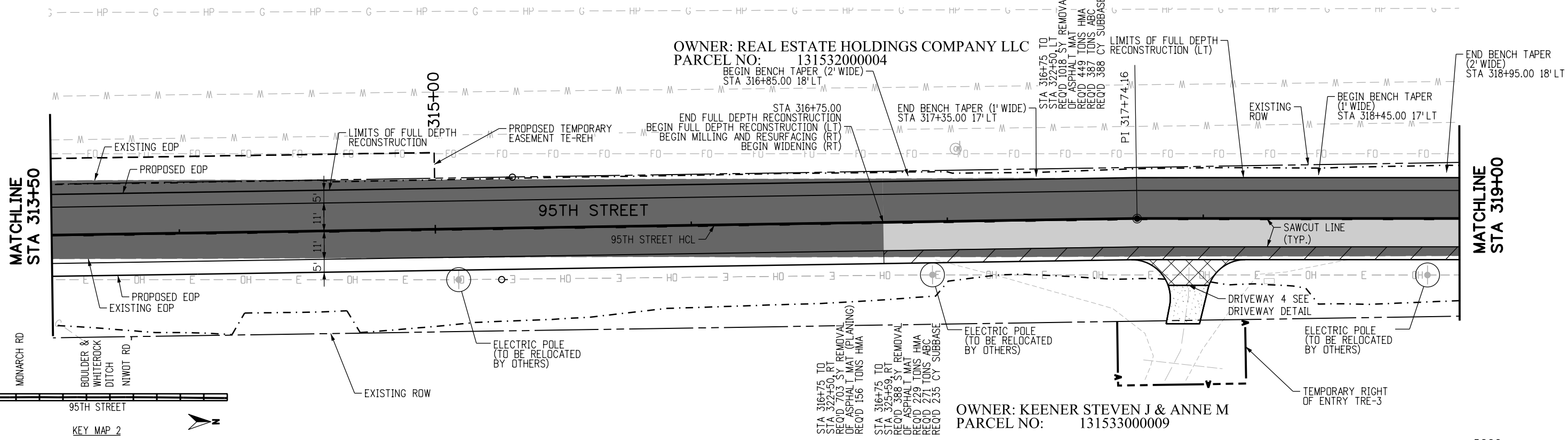
NO.	DATE	REVISION DESCRIPTION



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

95TH STREET
PLAN AND PROFILE
DESIGNED: JTS CAD: MPR CHECKED: CDL DATE: 02/14/2019
PROJECT NO: 74030 SHEET NO: 33

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	<p>CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REVISION DESCRIPTION</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> </tbody> </table>	NO.	DATE	REVISION DESCRIPTION										<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p>	<p>95TH STREET PLAN AND PROFILE</p>	PROJECT NO: 74030 SHEET NO: 34
NO.	DATE	REVISION DESCRIPTION															
DESIGNED: JTS CAD: MPR CHECKED: CDL DATE: 02/14/2019																	

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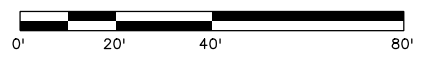
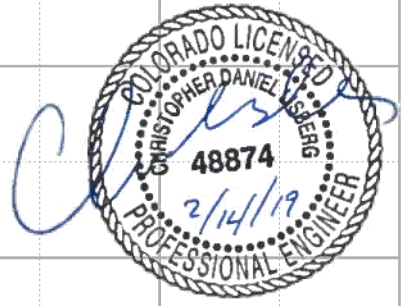
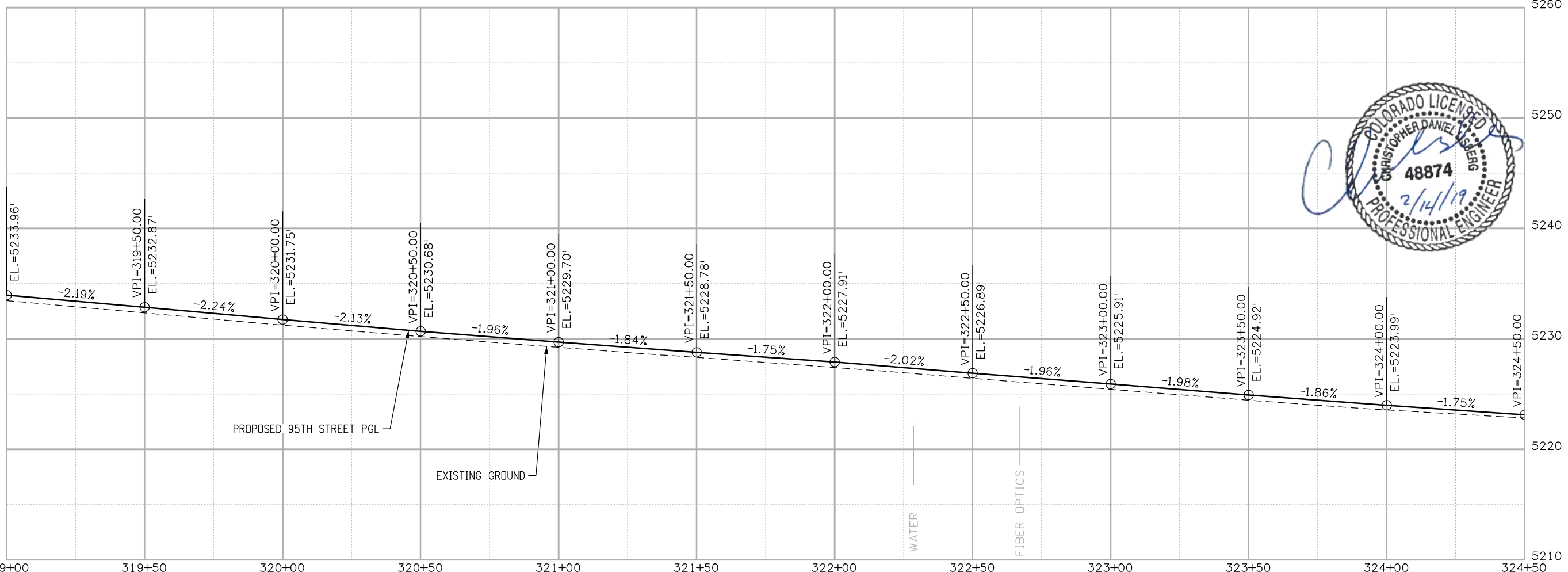
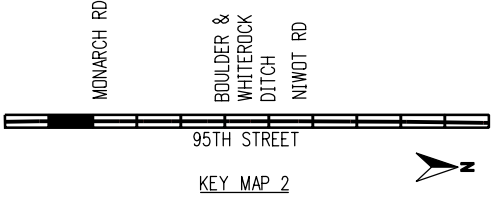
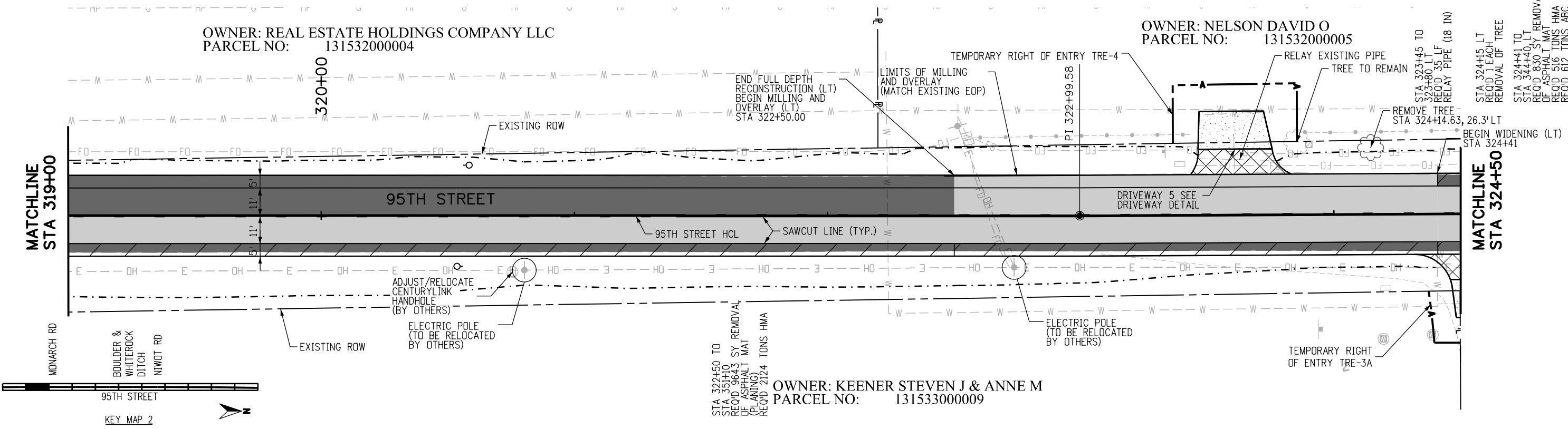
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 PARCEL NO: 131532000004

OWNER: NELSON DAVID O
 PARCEL NO: 131532000005

OWNER: KEENER STEVEN J & ANNE M
 PARCEL NO: 131533000009

MATCHLINE
 STA 319+00

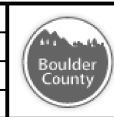
MATCHLINE
 STA 324+50



RFC

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 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

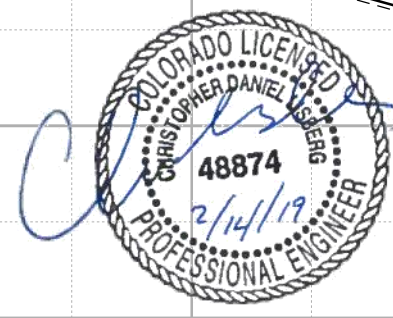
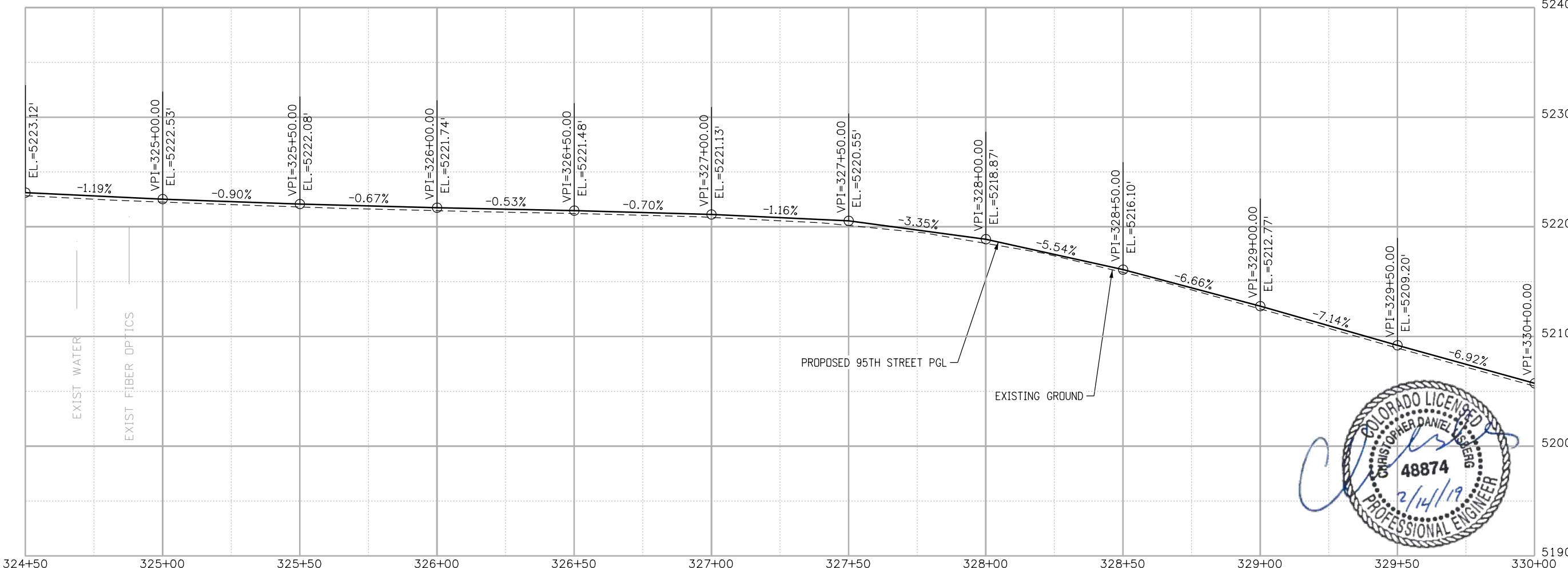
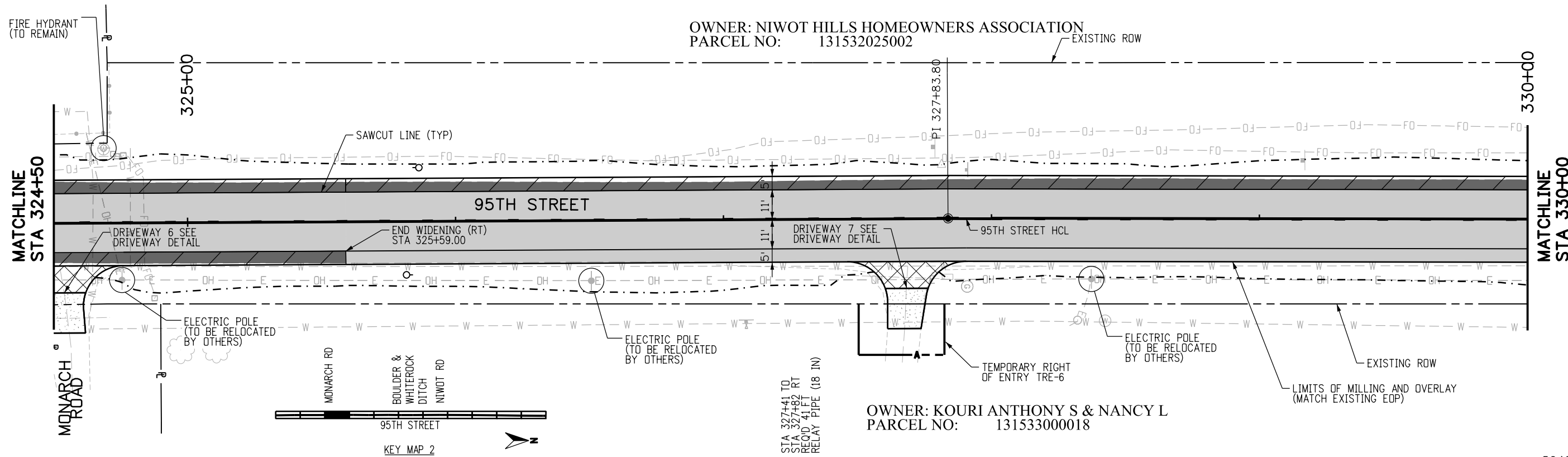


BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: JTS
 CAD: MPR
 CHECKED: CDL
 DATE: 02/14/2019

95TH STREET
PLAN AND PROFILE
 PROJECT NO: 74030
 SHEET NO: 35

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CALL UTILITY NOTIFICATION CENTER OF COLORADO
811
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NO.	DATE	REVISION DESCRIPTION

BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
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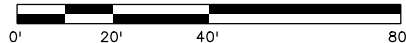
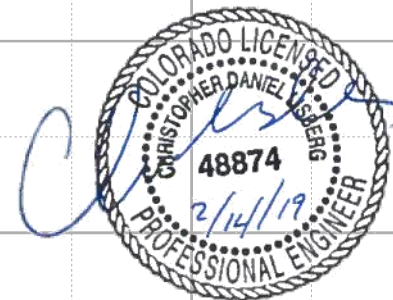
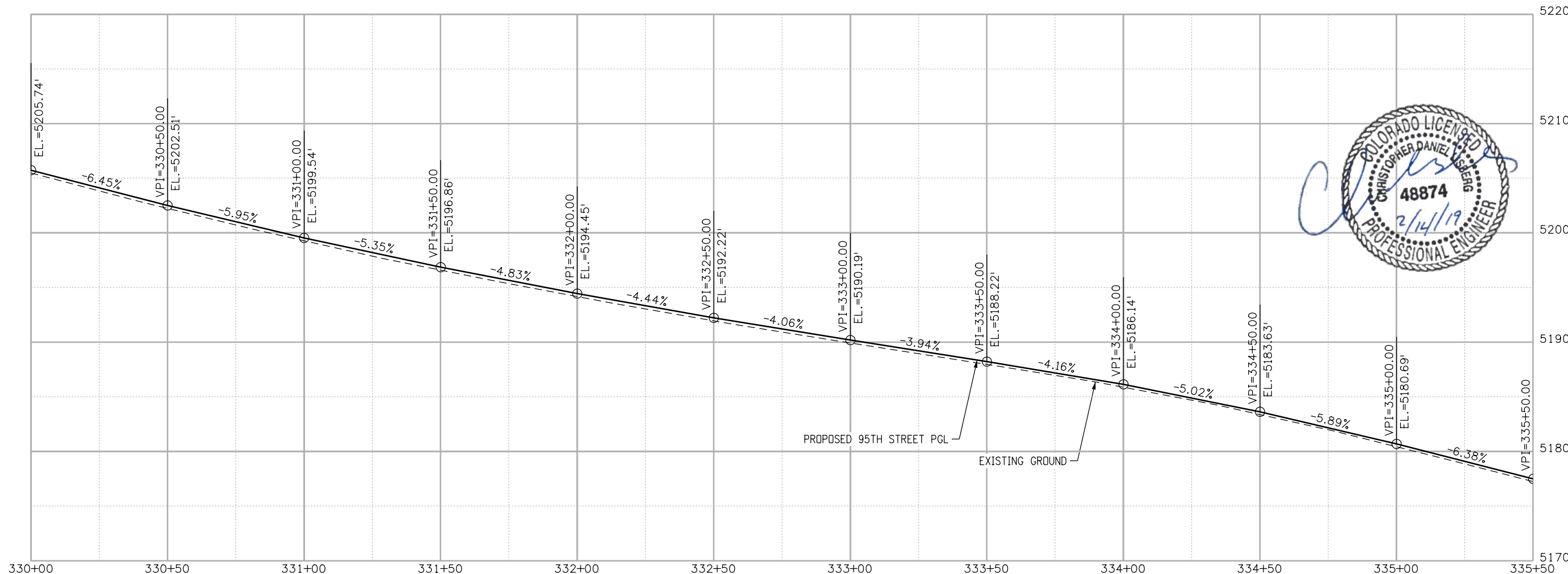
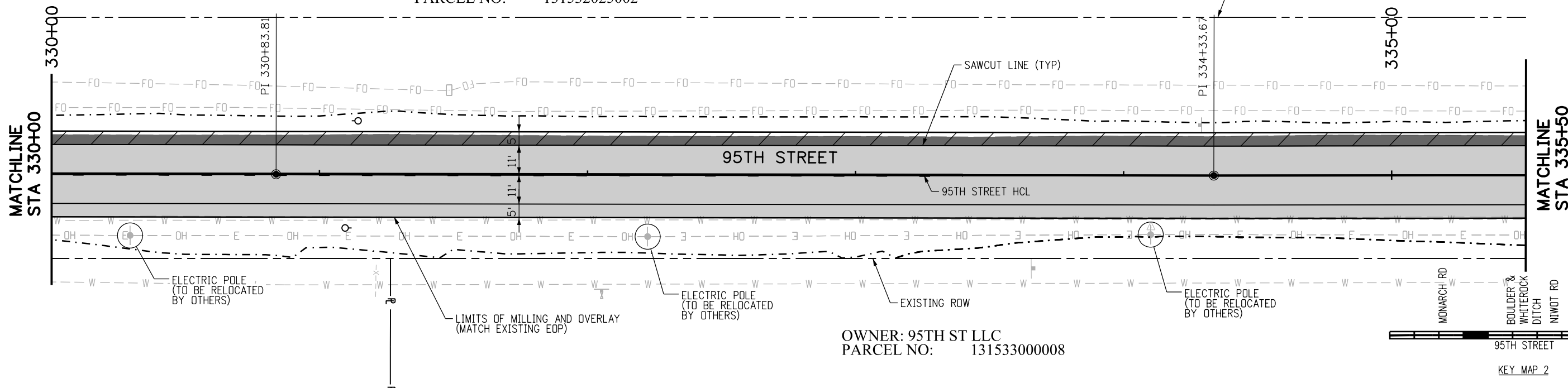
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95TH STREET PLAN AND PROFILE

PROJECT NO: 74030	SHEET NO: 36
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OWNER: NIWOT HILLS HOMEOWNERS ASSOCIATION
 PARCEL NO: 131532025002

OWNER: 95TH ST LLC
 PARCEL NO: 131533000008



RFC

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NO.	DATE	REVISION DESCRIPTION



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: JTS
 CAD: MPR
 CHECKED: CDL
 DATE: 02/14/2019

95TH STREET
PLAN AND PROFILE
 PROJECT NO: 74030
 SHEET NO: 37

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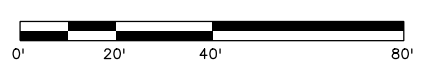
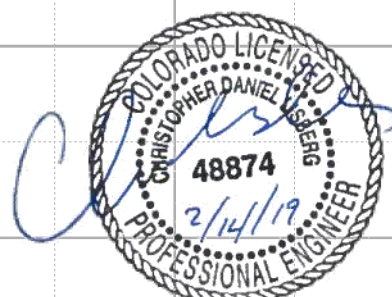
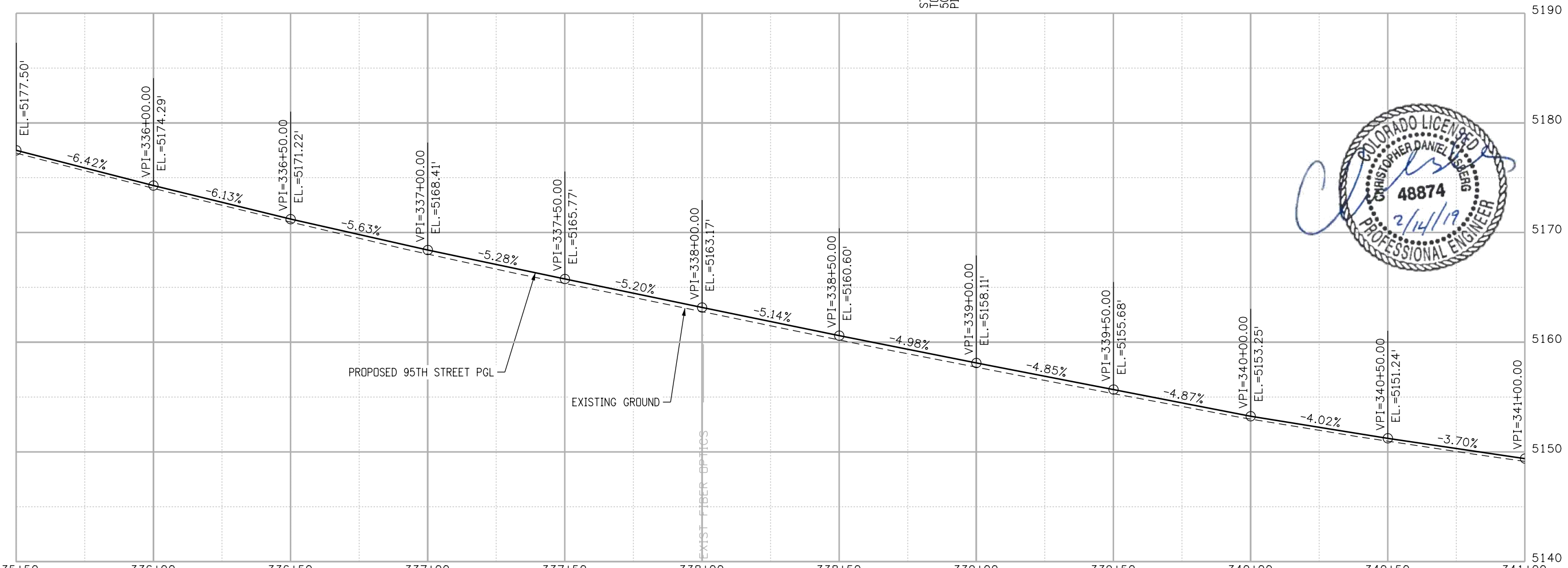
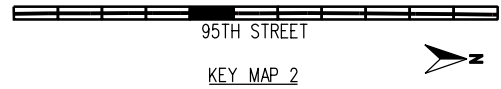
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OWNER: NIWOT HILLS HOMEOWNERS ASSOCIATION
PARCEL NO: 131532025002

OWNER: SEAN D. TUFTS AND
LAUREN E. RIPMASTER-TUFTS
PARCEL NO: 131533000008

MATCHLINE
STA 335+50

MATCHLINE
STA 341+00

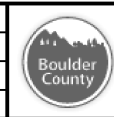


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CALL UTILITY NOTIFICATION CENTER OF COLORADO
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NO.	DATE	REVISION DESCRIPTION

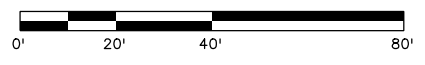
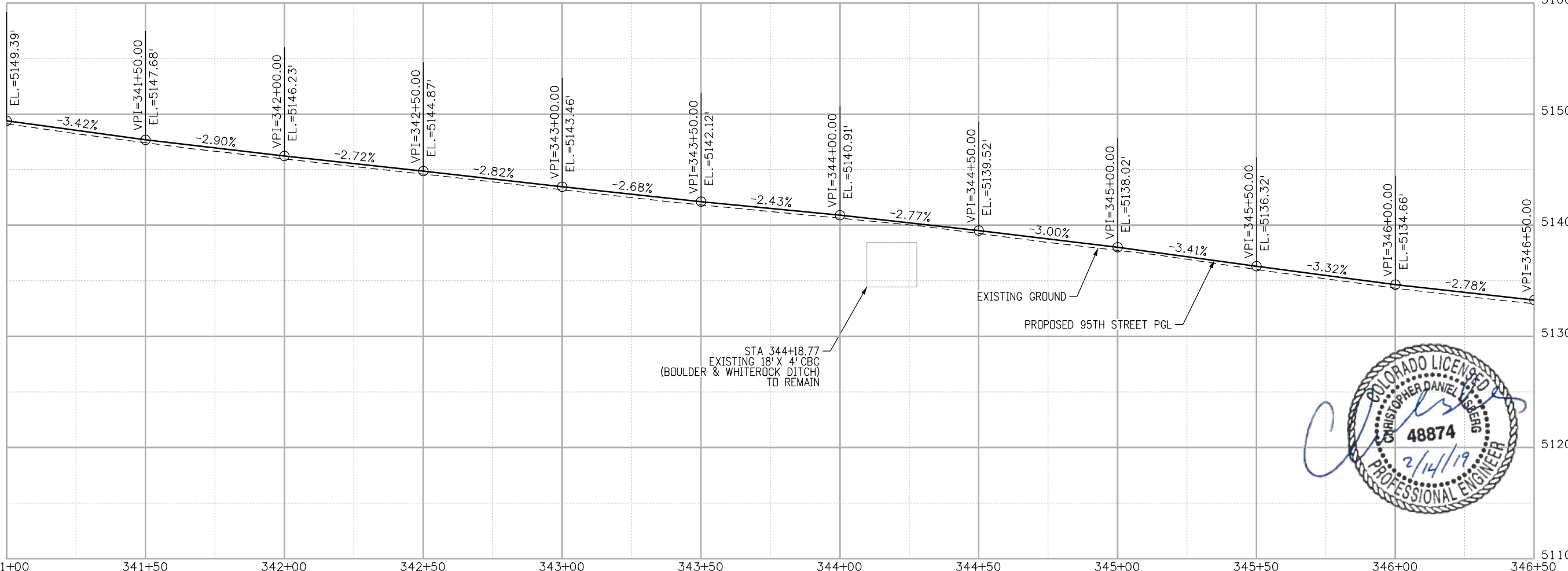
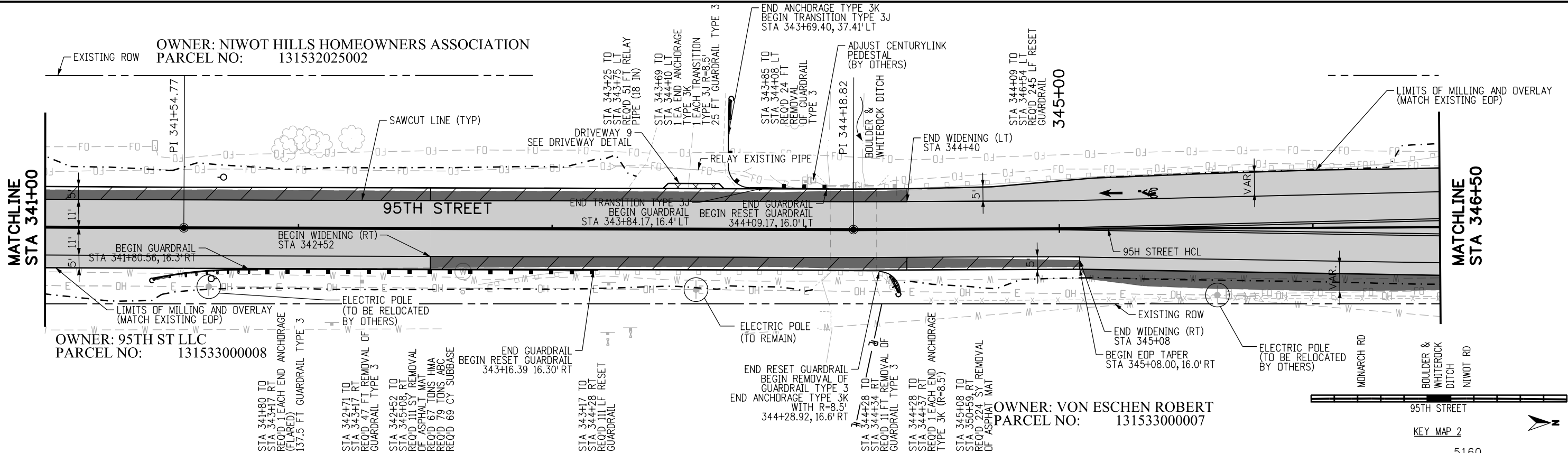


BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: JTS
CAD: MPR
CHECKED: CDL
DATE: 02/14/2019

**95TH STREET
PLAN AND PROFILE**
PROJECT NO: 74030
SHEET NO: 38

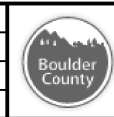
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RFC

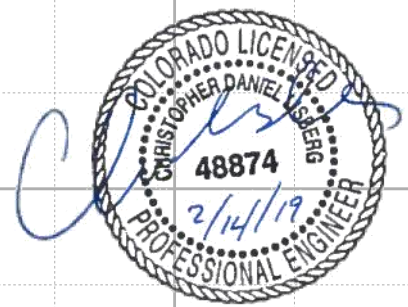
CALL UTILITY NOTIFICATION CENTER OF COLORADO
811
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NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM
 DESIGNED: JTS CAD: MPR CHECKED: CDL DATE: 02/14/2019

95TH STREET
PLAN AND PROFILE
 PROJECT NO: 74030 SHEET NO: 39

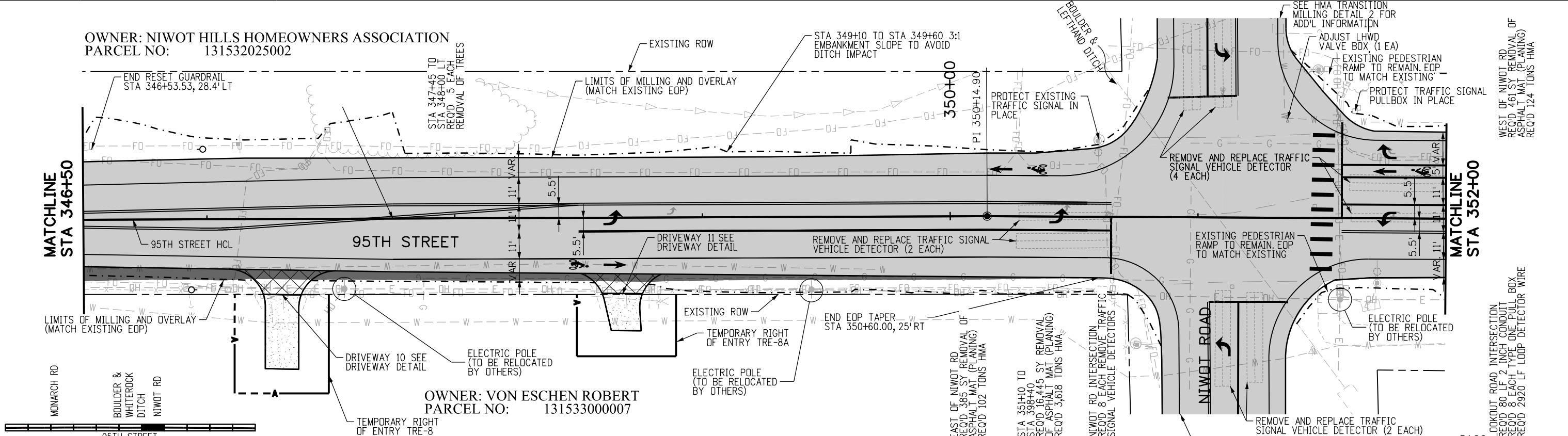


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OWNER: NIWOT HILLS HOMEOWNERS ASSOCIATION
 PARCEL NO: 131532025002

MATCHLINE
 STA 346+50

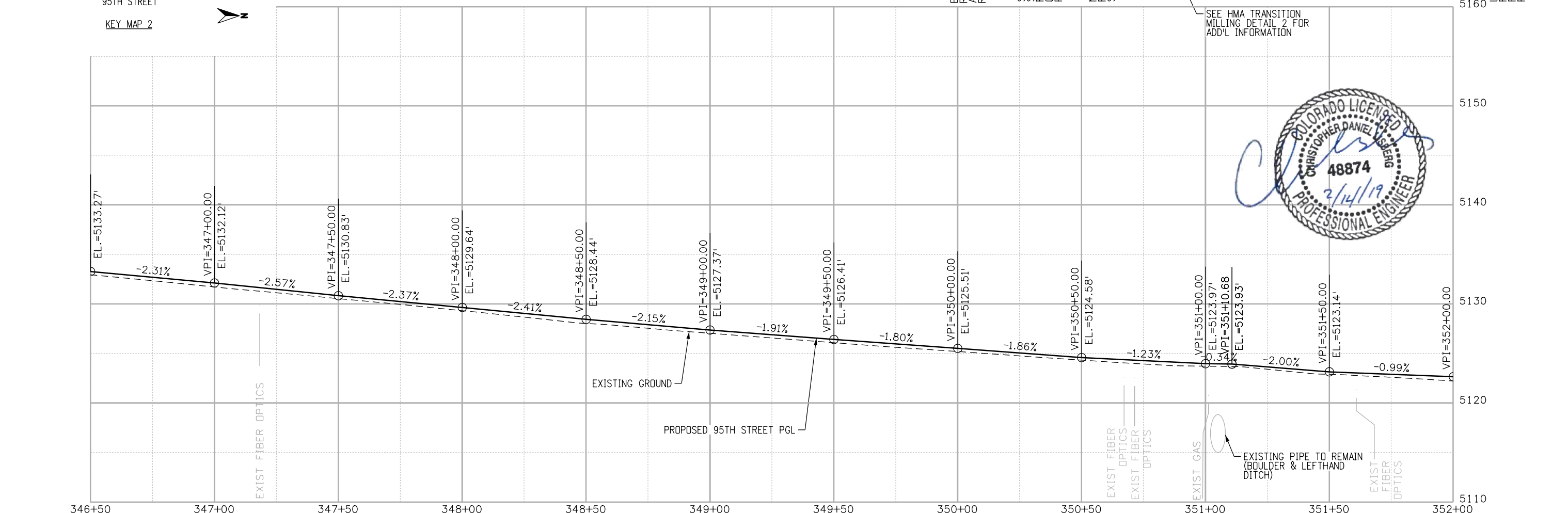
MATCHLINE
 STA 352+00



OWNER: VON ESCHEN ROBERT
 PARCEL NO: 131533000007

WEST OF NIWOT RD
 REQ'D 461 SY REMOVAL OF
 ASPHALT MAT (PLANING)
 REQ'D 124 TONS HMA

LOOKOUT ROAD INTERSECTION
 REQ'D 80 LF 2 INCH CONDUIT
 REQ'D 8 EACH TYPE ONE PULL BOX
 REQ'D 2920 LF LOOP DETECTOR WIRE



RFC

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811
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NO.	DATE	REVISION DESCRIPTION

BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: JTS CAD: MPR CHECKED: CDL DATE: 02/14/2019

95TH STREET
PLAN AND PROFILE
 PROJECT NO: 74030 SHEET NO: 40

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OWNER: ROCKY MOUNTAIN CHRISTIAN CHURCH
 PARCEL NO: 131529000030

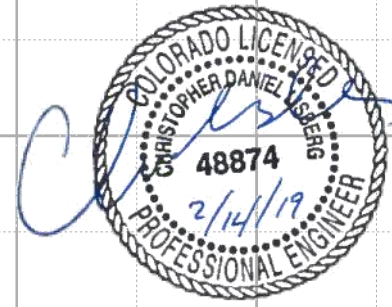
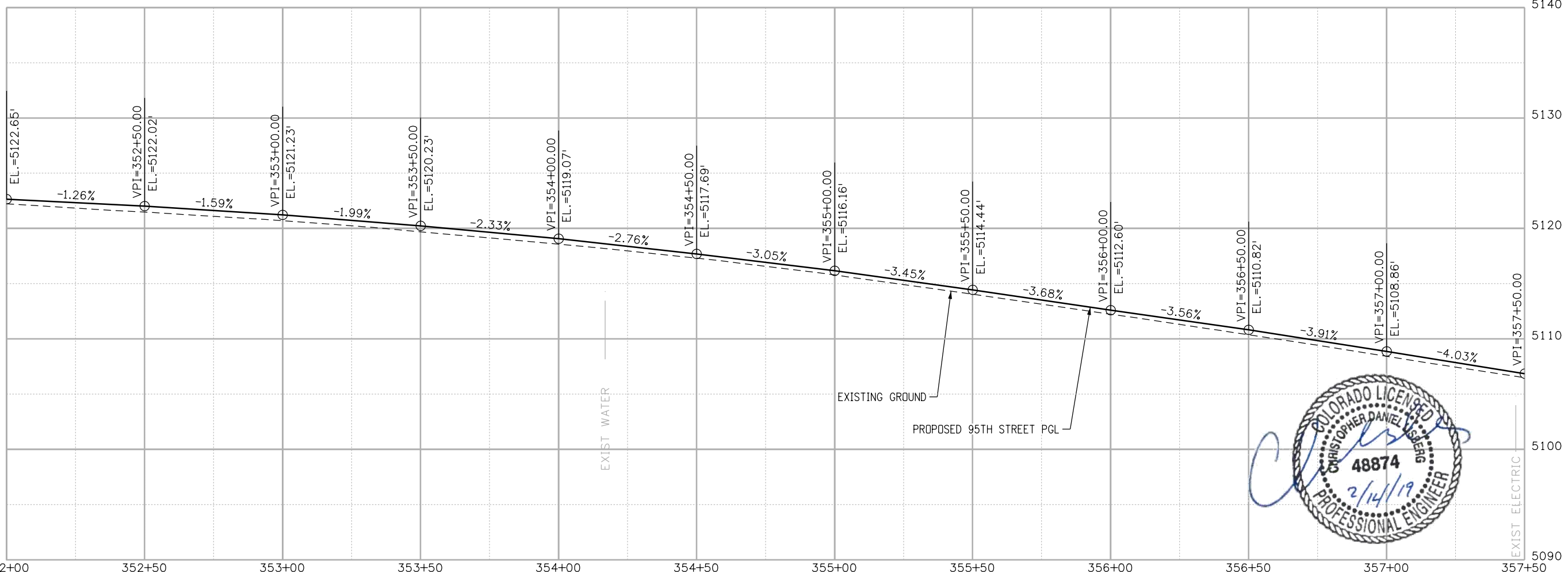
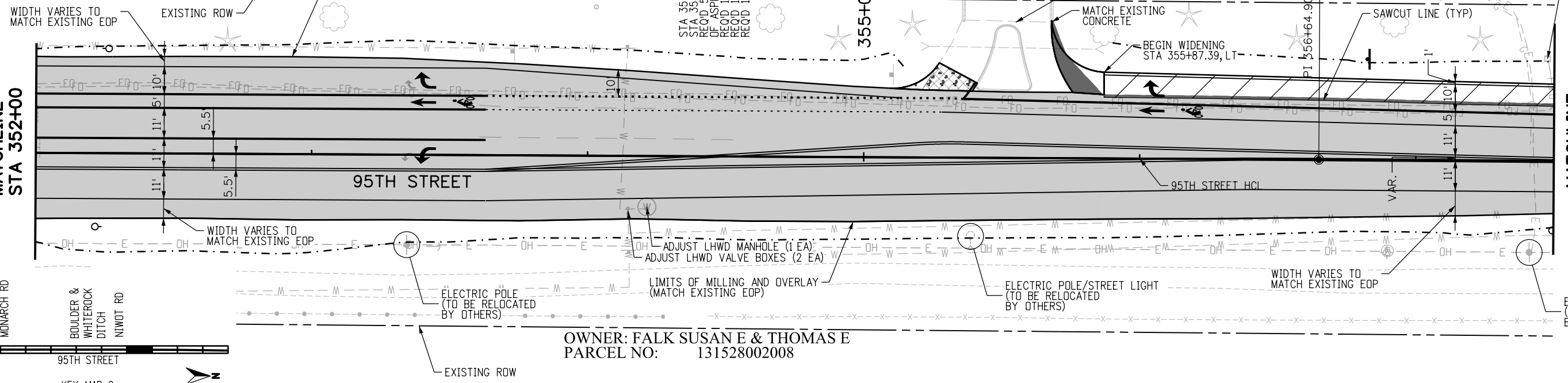
STA 355+87 TO
 STA 358+42, LT
 RECD 52 SY REMOVAL
 OF ASPHALT MAT
 RECD 145 TONS ABC
 RECD 147 TONS ABC
 RECD 136 CY SUBASE

SOUTH CHURCH ENTRANCE
 SEE CHURCH ENTRANCE DETAIL

PROTECT CENTURYLINK
 PEDESTAL IN PLACE

MATCHLINE
 STA 352+00

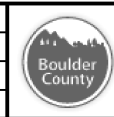
MATCHLINE
 STA 357+50



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NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM
 DESIGNED: JTS CAD: MPR CHECKED: CDL DATE: 02/14/2019

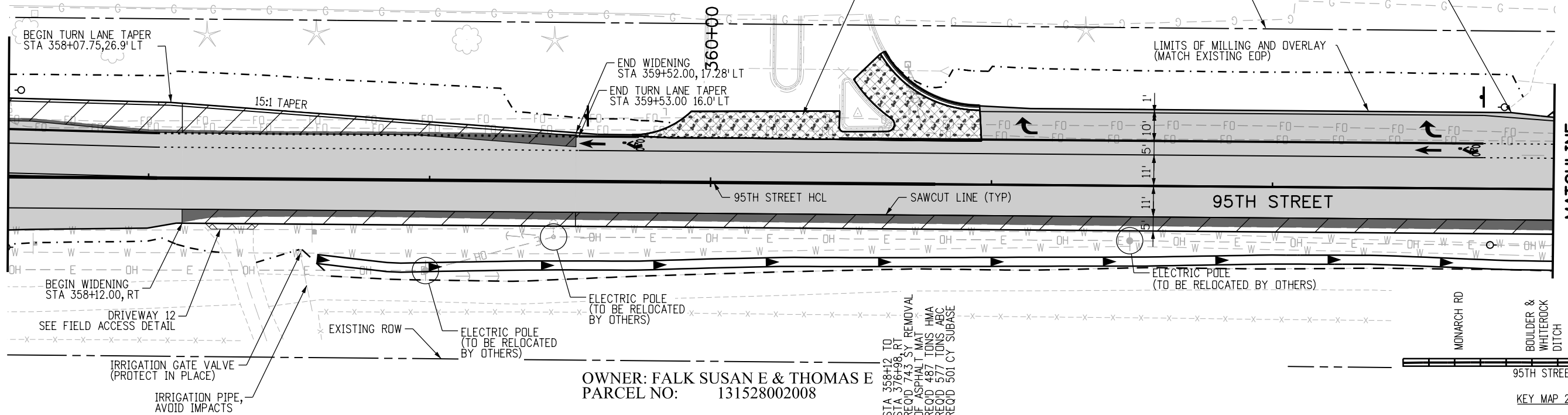
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 PROJECT NO: 74030 SHEET NO: 41

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OWNER: ROCKY MOUNTAIN CHRISTIAN CHURCH
 PARCEL NO: 13152900030

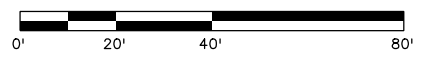
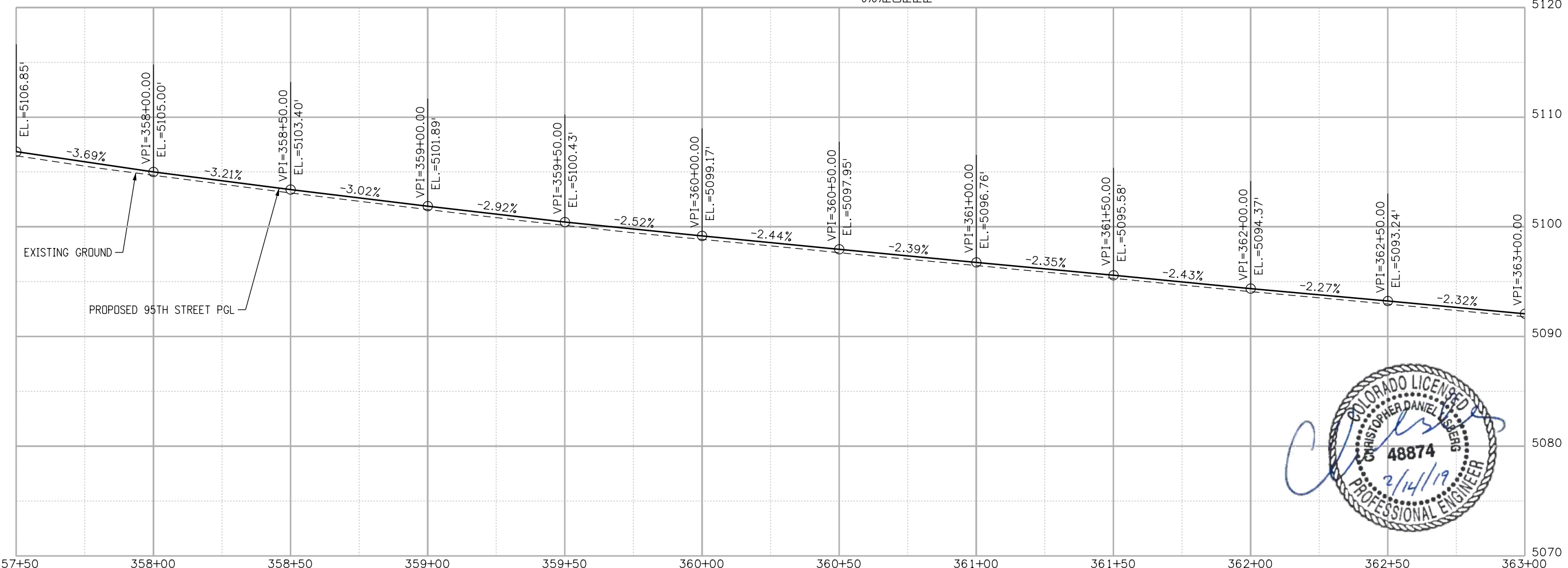
MATCHLINE
 STA 357+50

MATCHLINE
 STA 363+00



OWNER: FALK SUSAN E & THOMAS E
 PARCEL NO: 131528002008

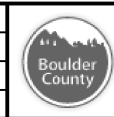
STA 358+12 TO STA 376+98, RT RECD 743 SY REMOVAL OF ASPHALT MAT RECD 487 TONS ABC RECD 577 TONS ABC RECD 501 CY SUBBASE



RFC

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NO.	DATE	REVISION DESCRIPTION



BOULDER COUNTY TRANSPORTATION DEPARTMENT
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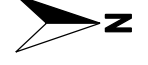
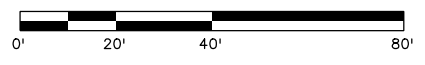
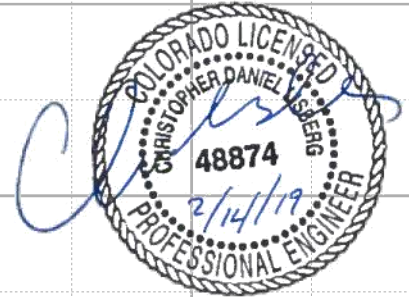
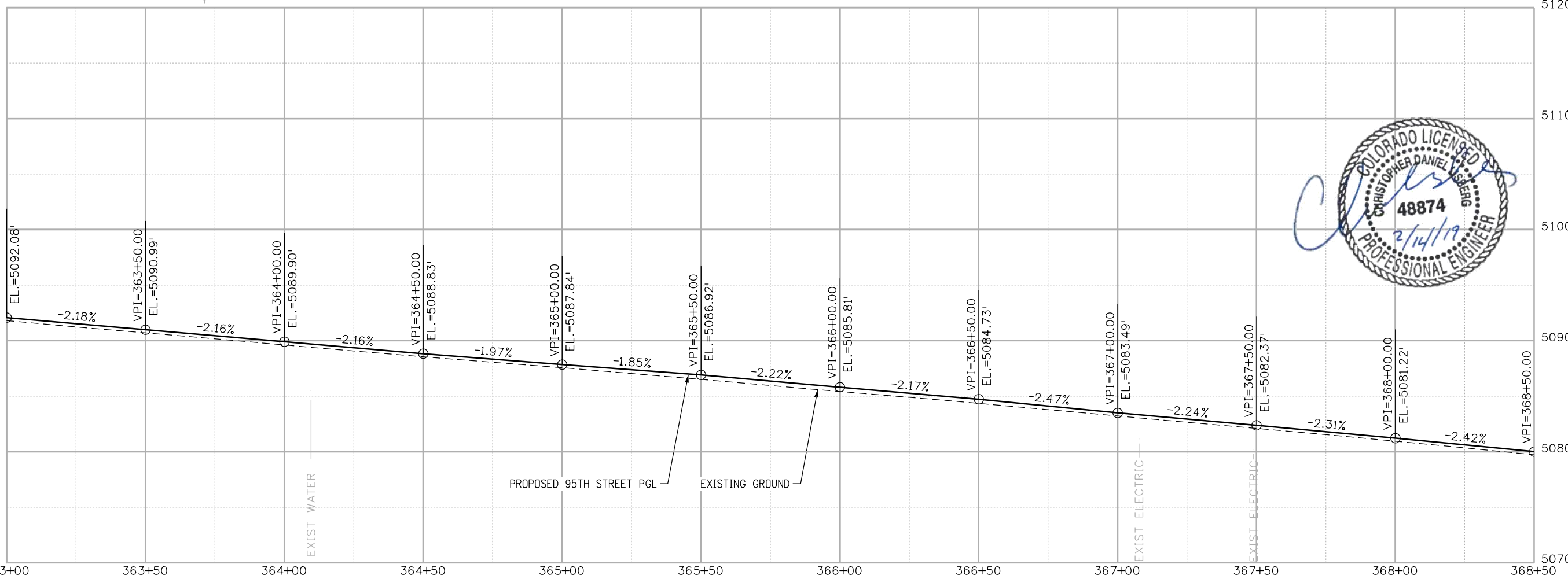
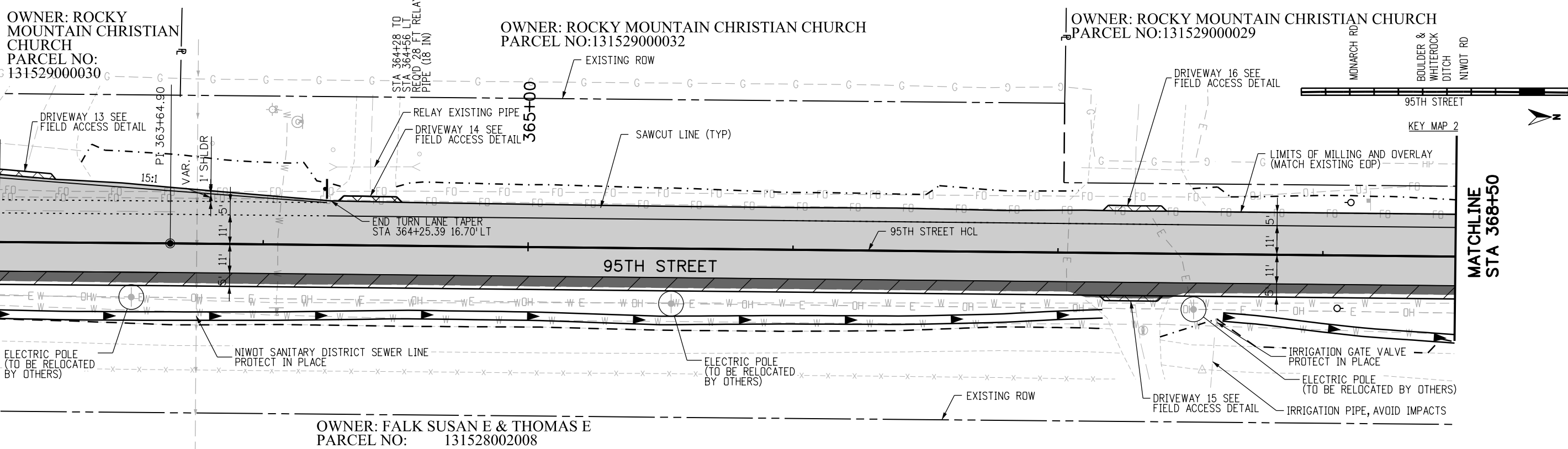
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 DATE: 02/14/2019
 PROJECT NO: 74030
 SHEET NO: 42

95TH STREET
 PLAN AND PROFILE

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MATCHLINE
STA 363+00

MATCHLINE
STA 368+50



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811
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

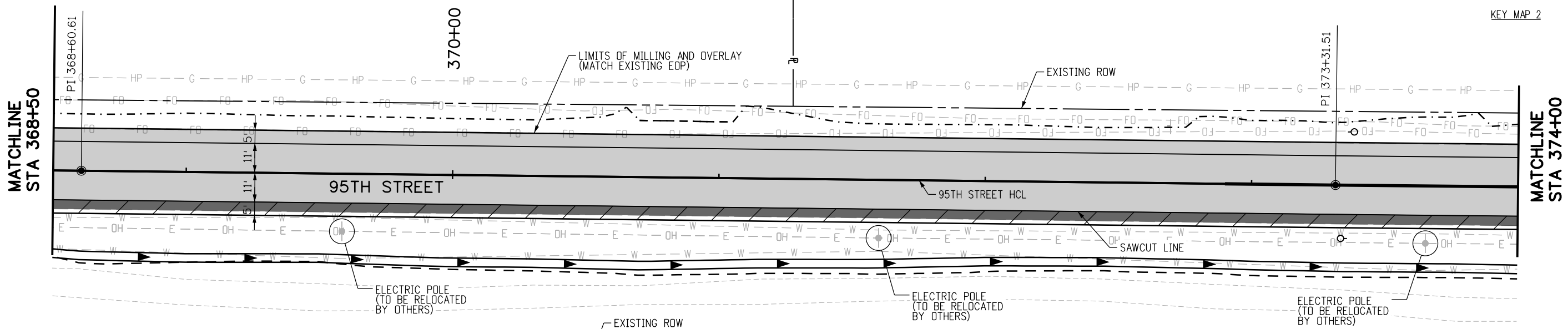
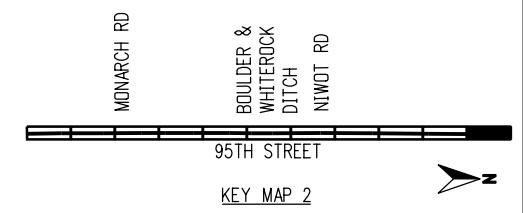
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BOULDER COUNTY TRANSPORTATION DEPARTMENT
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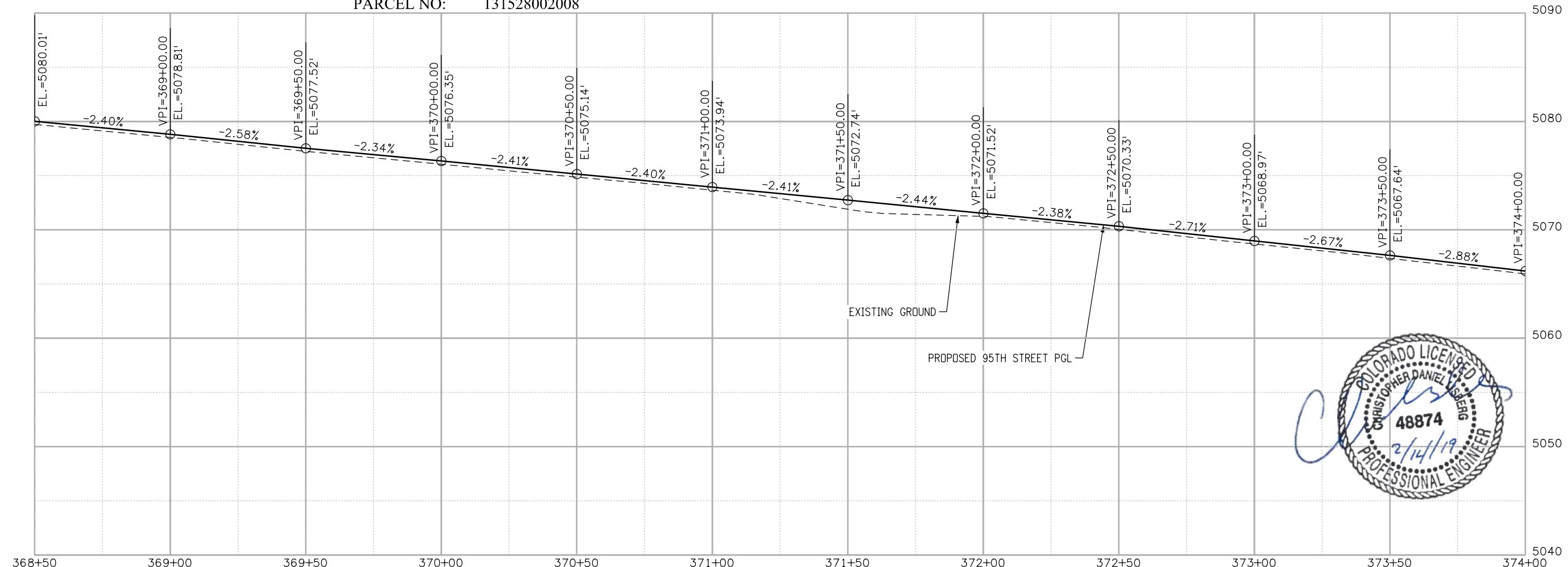
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PLAN AND PROFILE
 PROJECT NO: 74030 SHEET NO: 43

DESIGNED: JTS	CAD: MPR	CHECKED: CDL	DATE: 02/14/2019
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OWNER: ROCKY MOUNTAIN CHRISTIAN CHURCH
 PARCEL NO: 13152900029



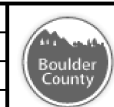
OWNER: FALK SUSAN E & THOMAS E
 PARCEL NO: 131528002008



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CALL UTILITY NOTIFICATION CENTER OF COLORADO
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 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



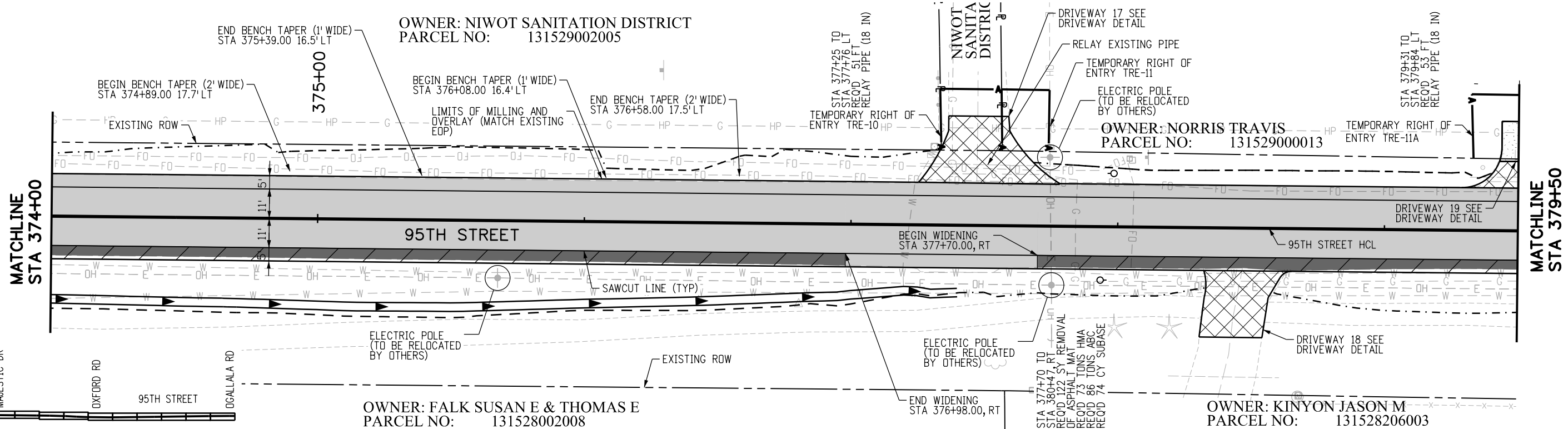
BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: JTS
 CAD: MPR
 CHECKED: CDL
 DATE: 02/14/2019

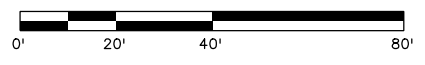
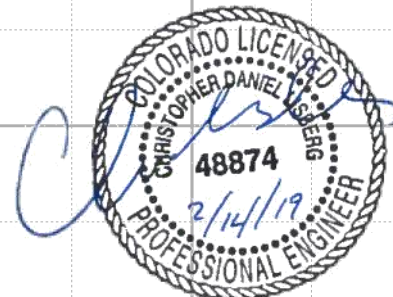
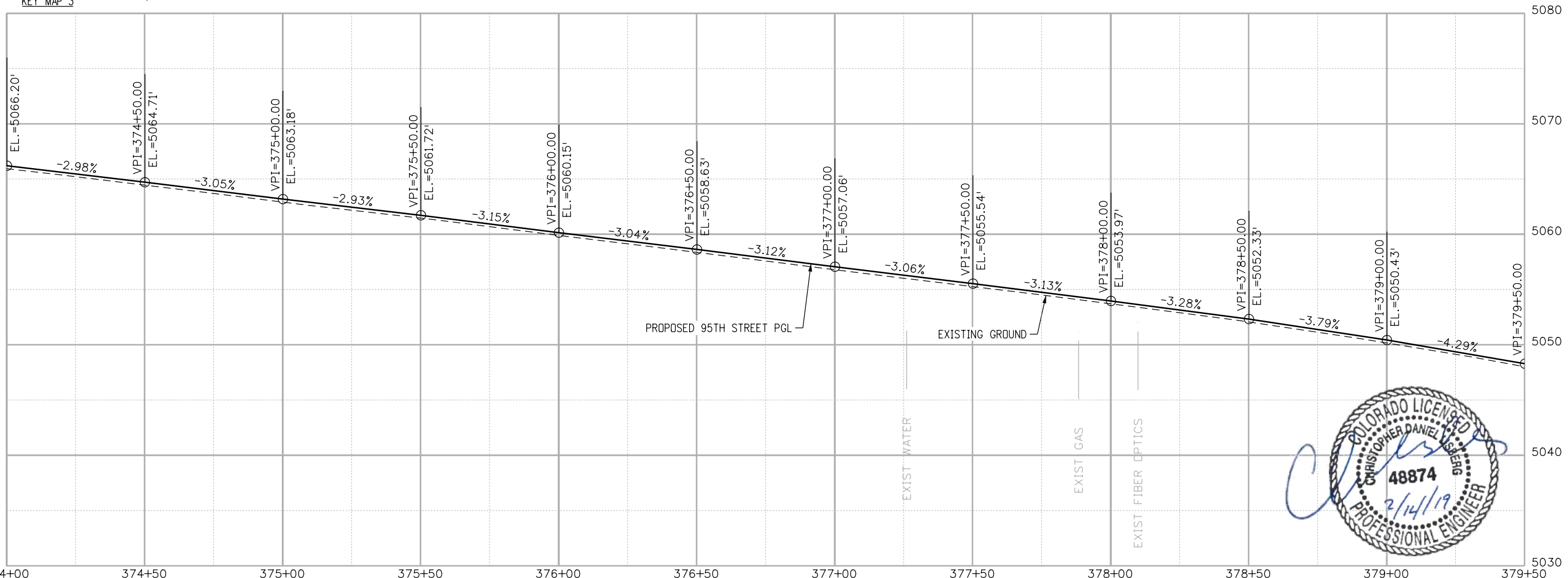
95TH STREET
PLAN AND PROFILE
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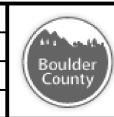
KEY MAP 3



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NO.	DATE	REVISION DESCRIPTION



BOULDER COUNTY TRANSPORTATION DEPARTMENT
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AECOM

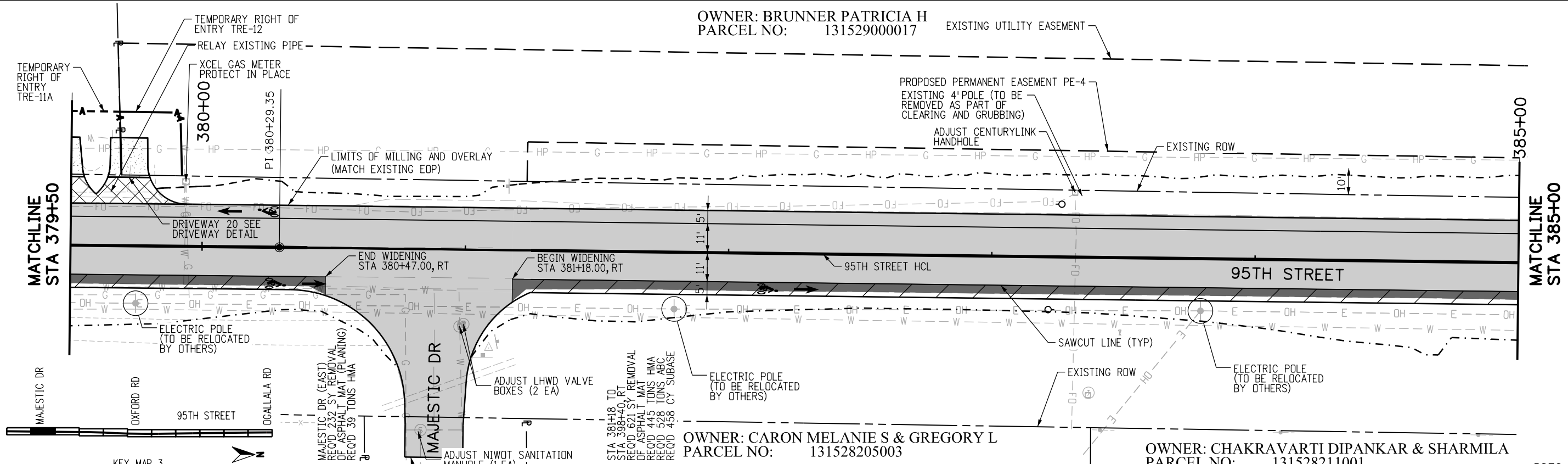
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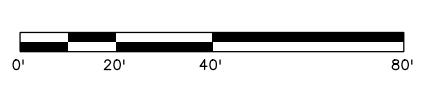
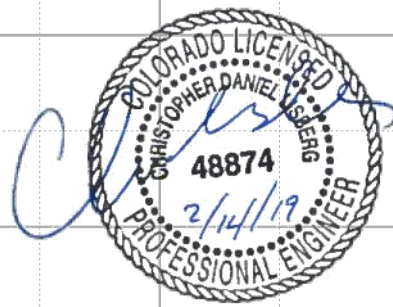
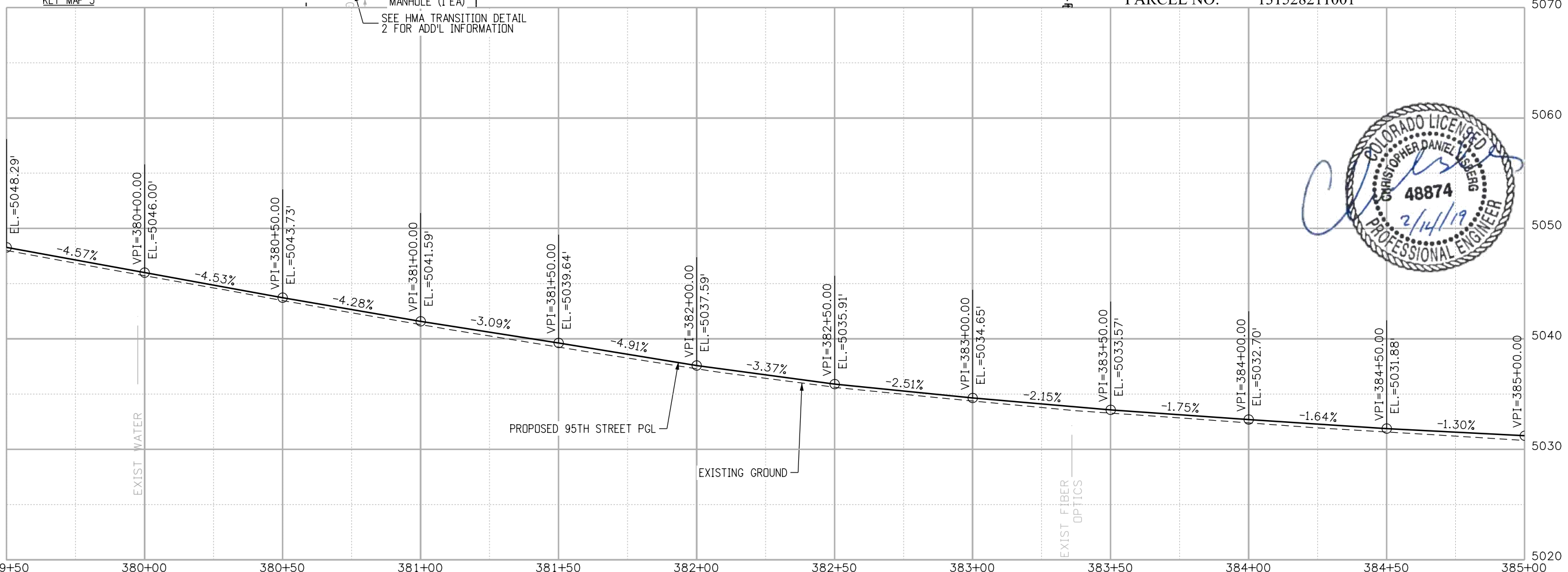
OWNER: BRUNNER PATRICIA H
 PARCEL NO: 13152900017

EXISTING UTILITY EASEMENT



OWNER: CARON MELANIE S & GREGORY L
 PARCEL NO: 131528205003

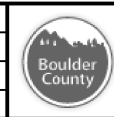
OWNER: CHAKRAVARTI DIPANKAR & SHARMILA
 PARCEL NO: 131528211001



RFC

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 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION



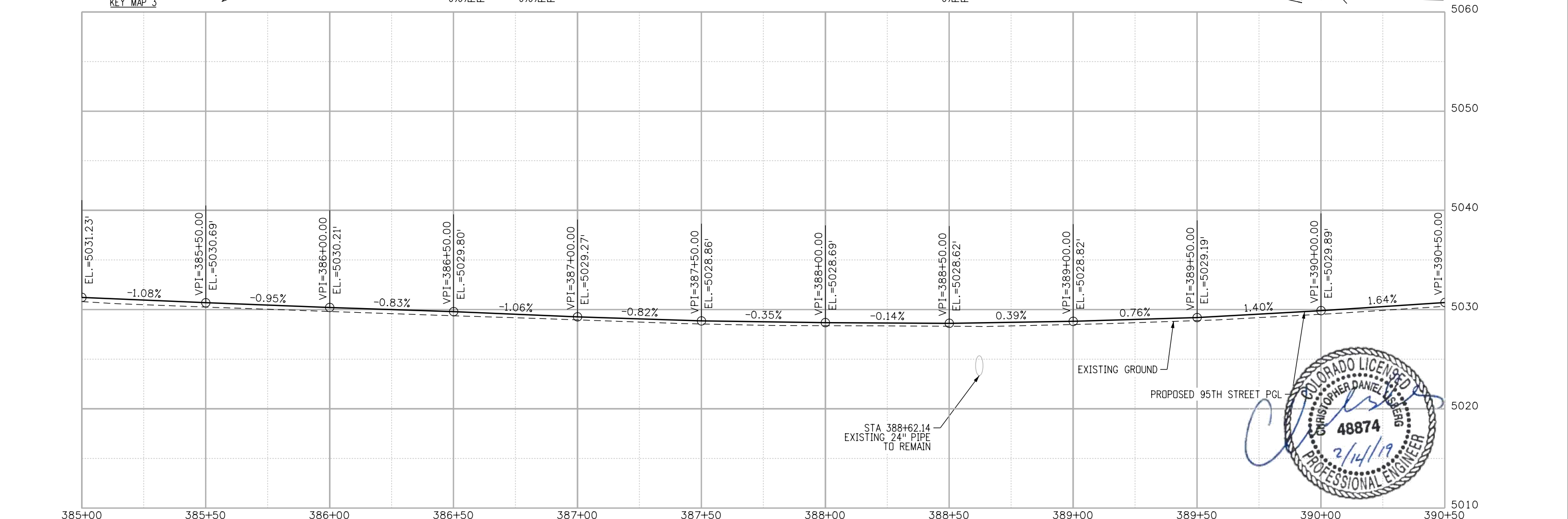
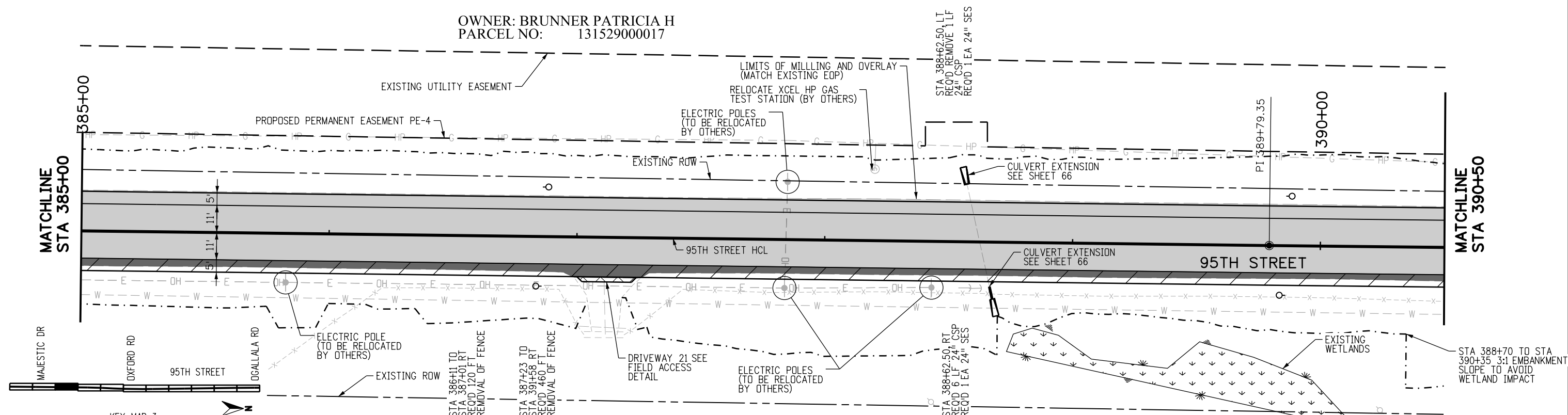
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ENGINEERING DIVISION
AECOM

DESIGNED: JTS
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 CHECKED: CDL
 DATE: 02/14/2019

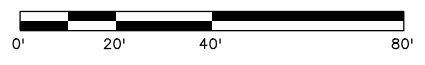
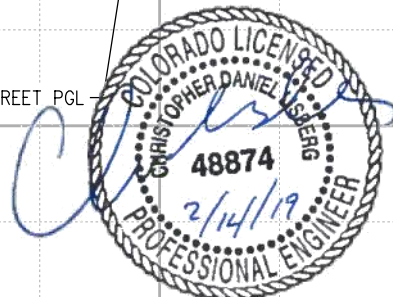
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OWNER: BRUNNER PATRICIA H
 PARCEL NO: 131529000017



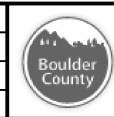
KEY MAP 3



RFC

811
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 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

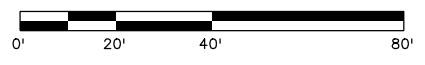
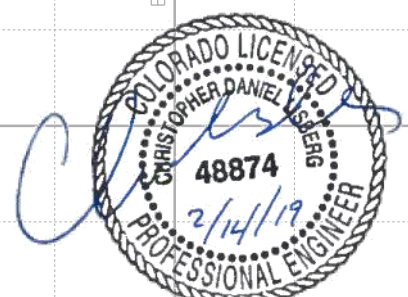
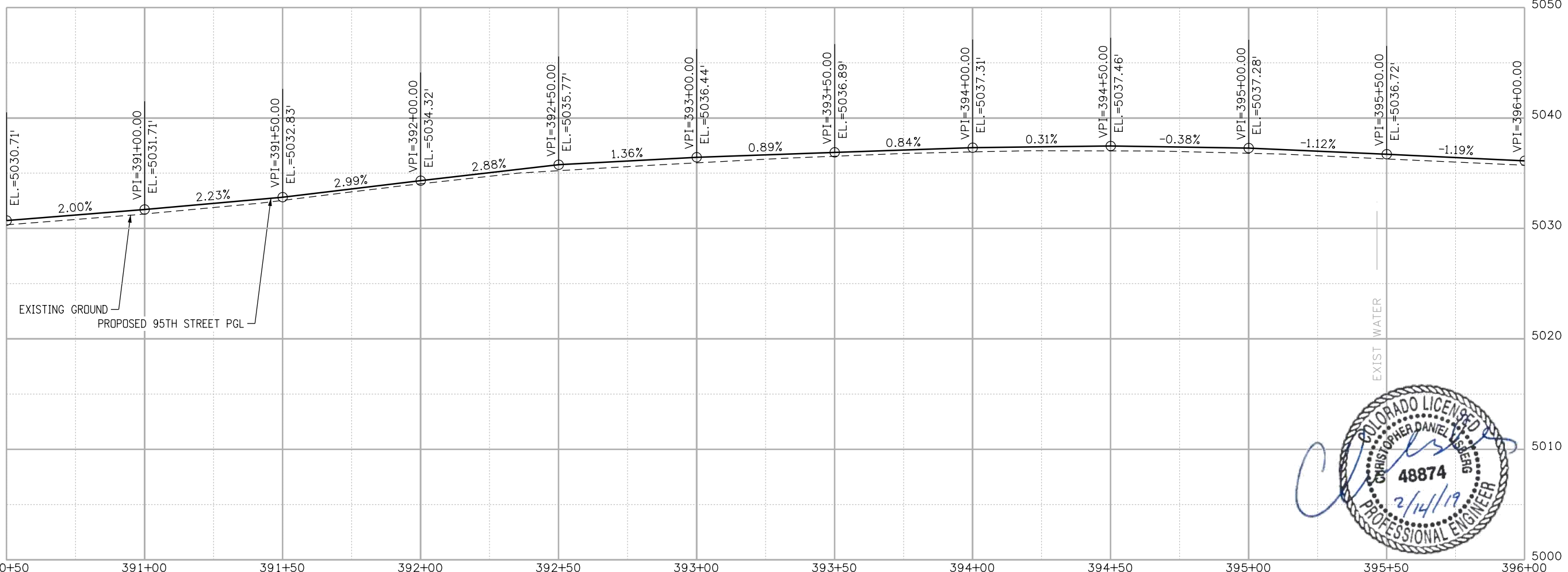
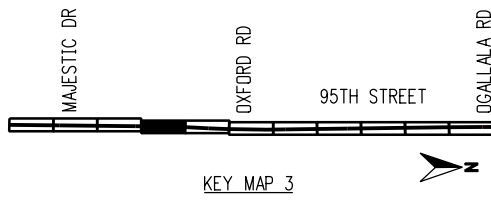
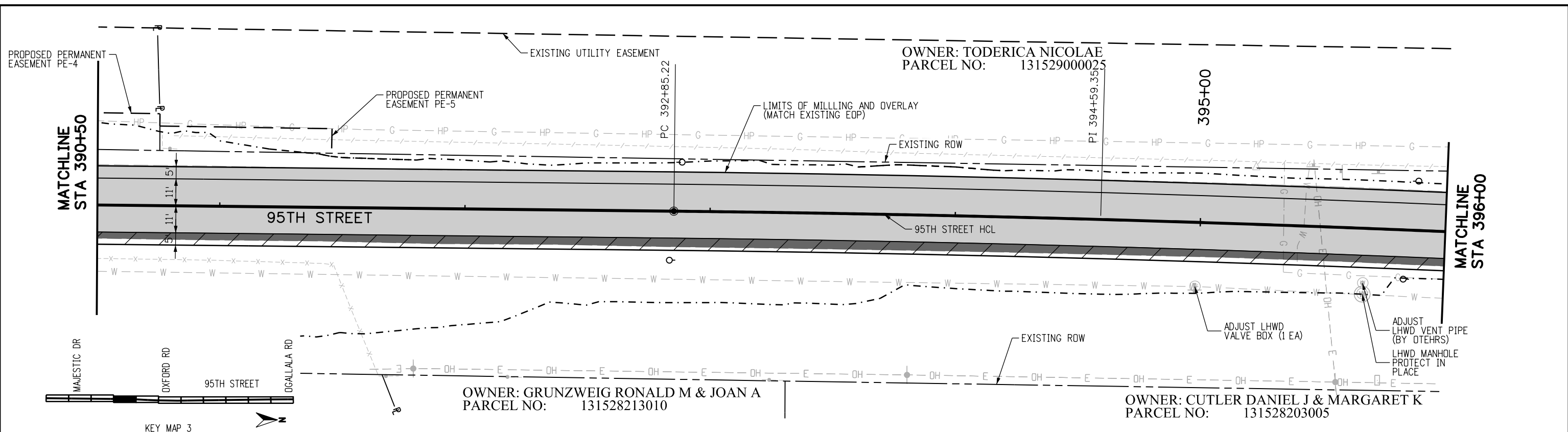


BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: JTS
 CAD: MPR
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 DATE: 02/14/2019

95TH STREET
PLAN AND PROFILE
 PROJECT NO: 74030
 SHEET NO: 47

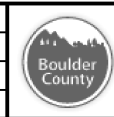
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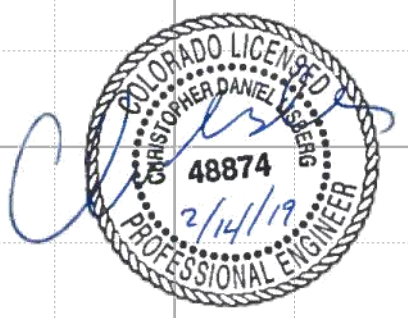
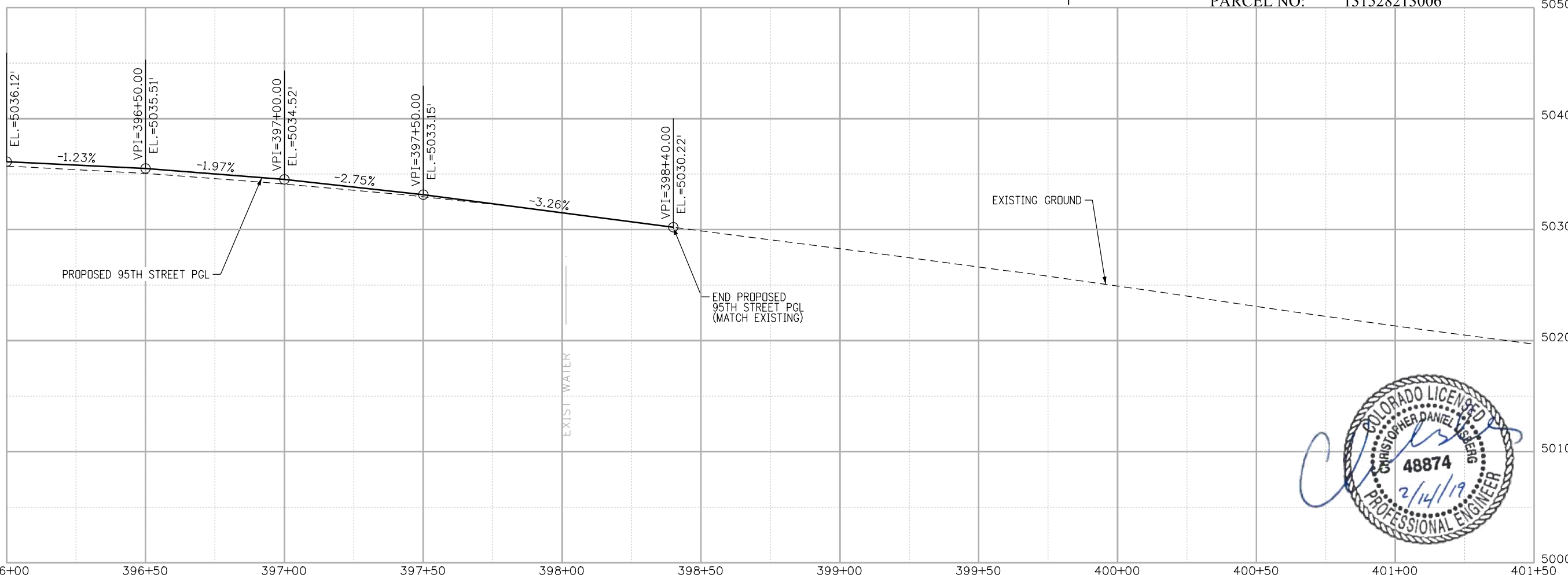
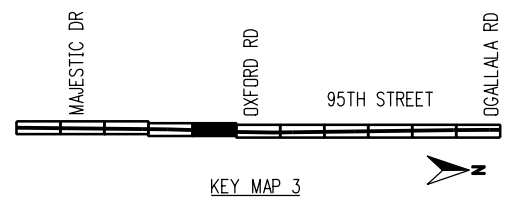
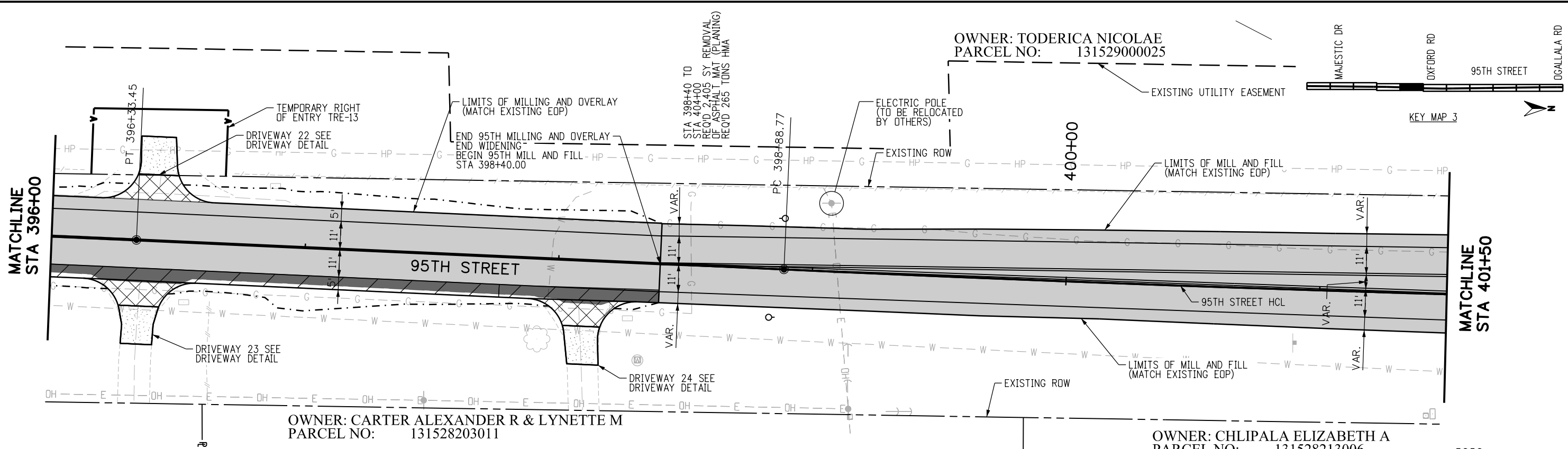
NO.	DATE	REVISION DESCRIPTION



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AECOM
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95TH STREET
PLAN AND PROFILE
 PROJECT NO: 74030 SHEET NO: 48

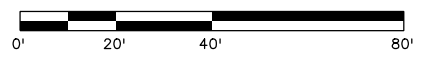
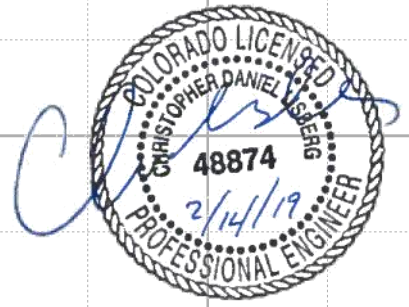
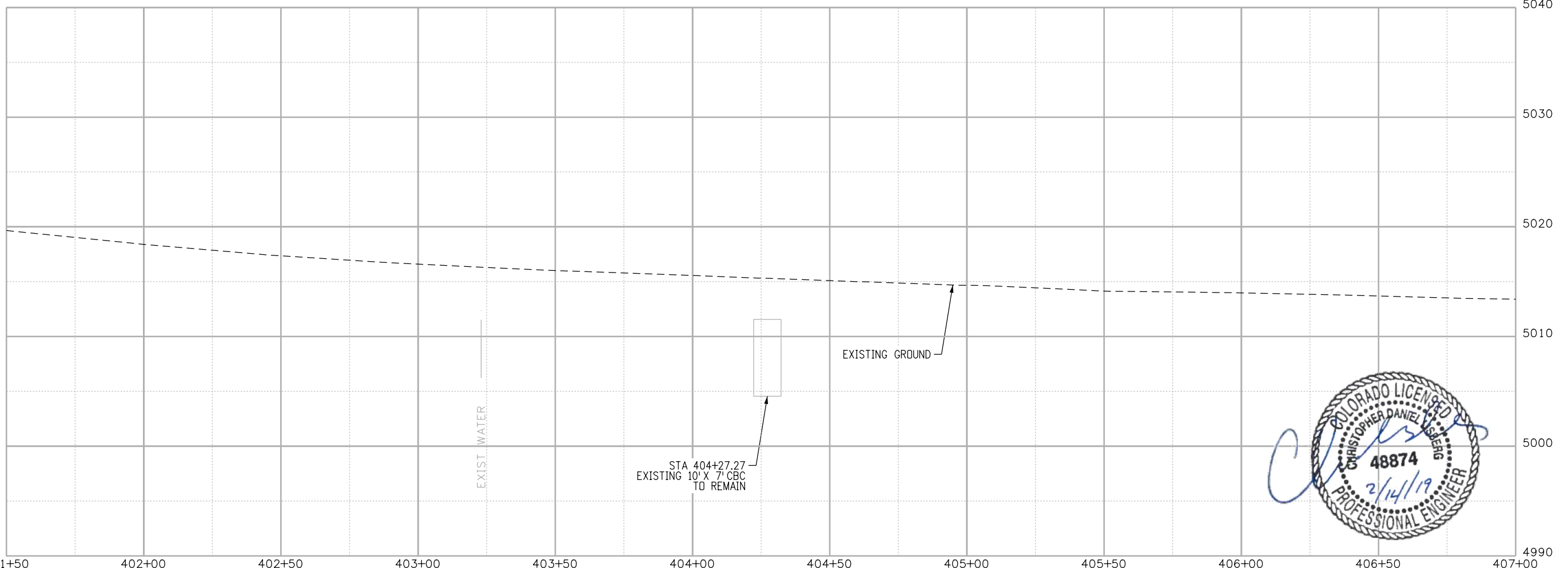
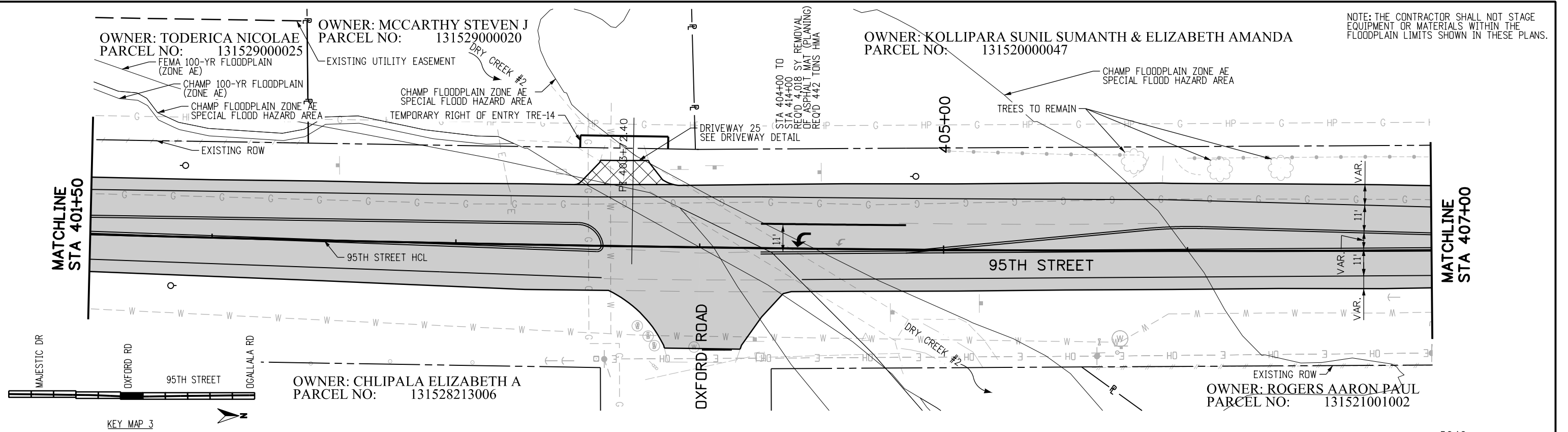
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RFC	811 CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 85%;">REVISION DESCRIPTION:</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> </tbody> </table>	NO.	DATE	REVISION DESCRIPTION:										 BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION AECOM	DESIGNED: JTS CAD: MPR CHECKED: CDL DATE: 02/14/2019	95TH STREET PLAN AND PROFILE PROJECT NO: 74030 SHEET NO: 49
NO.	DATE	REVISION DESCRIPTION:															

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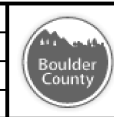
NOTE: THE CONTRACTOR SHALL NOT STAGE EQUIPMENT OR MATERIALS WITHIN THE FLOODPLAIN LIMITS SHOWN IN THESE PLANS.



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NO.	DATE	REVISION DESCRIPTION:



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ENGINEERING DIVISION**
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DESIGNED: JTS
CAD: MPR
CHECKED: CDL
DATE: 02/14/2019

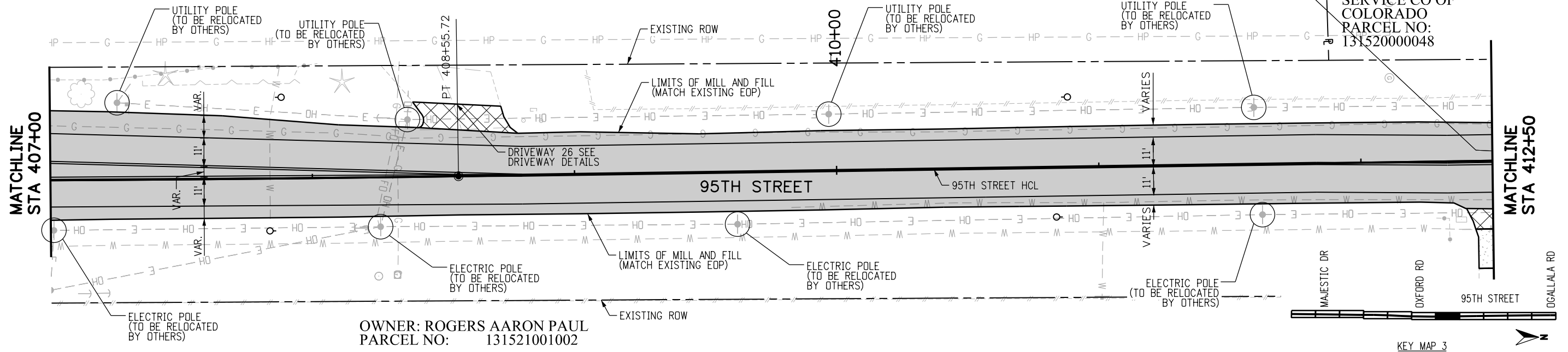
**95TH STREET
PLAN AND PROFILE**
PROJECT NO: 74030
SHEET NO: 50

NOTE: THE CONTRACTOR SHALL NOT STAGE EQUIPMENT OR MATERIALS WITHIN THE FLOODPLAIN LIMITS SHOWN IN THESE PLANS.

OWNER: KOLLIPARA SUNIL SUMANTH & ELIZABETH AMANDA
 PARCEL NO: 13152000047

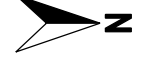
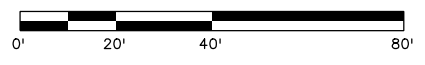
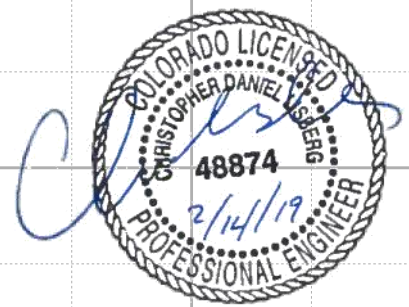
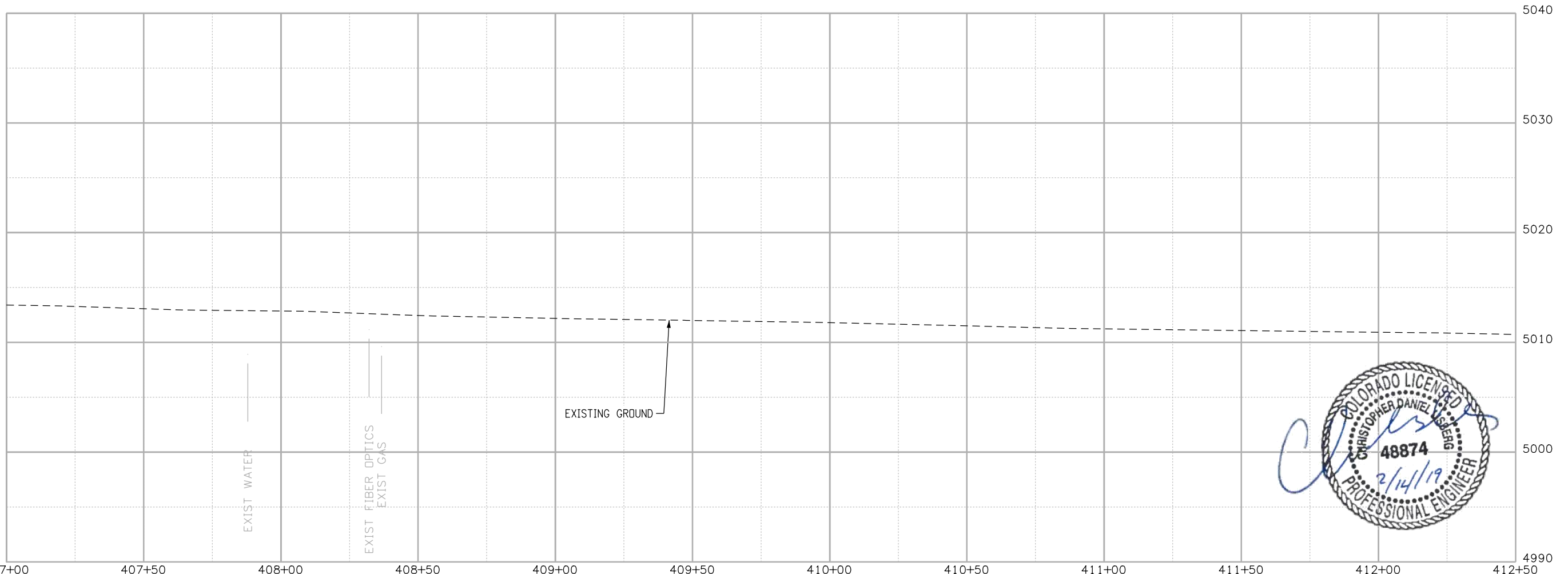
CHAMP FLOODPLAIN ZONE AE
 SPECIAL FLOOD HAZARD AREA

OWNER: PUBLIC SERVICE CO OF COLORADO
 PARCEL NO: 13152000048



OWNER: ROGERS AARON PAUL
 PARCEL NO: 13152100102

KEY MAP 3



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NO.	DATE	REVISION DESCRIPTION:

BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: JTS	CAD: MPR	CHECKED: CDL	DATE: 02/14/2019
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95TH STREET
PLAN AND PROFILE

PROJECT NO: 74030	SHEET NO: 51
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oibson.lavery 1:16:02 PM \\617479-PWINT.aecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95th St_PlanProfile_Seg2_31.dgn

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NOTE: THE CONTRACTOR SHALL NOT STAGE EQUIPMENT OR MATERIALS WITHIN THE FLOODPLAIN LIMITS SHOWN IN THESE PLANS.

OWNER: PUBLIC SERVICE CO OF COLORADO
PARCEL NO: 13152000048

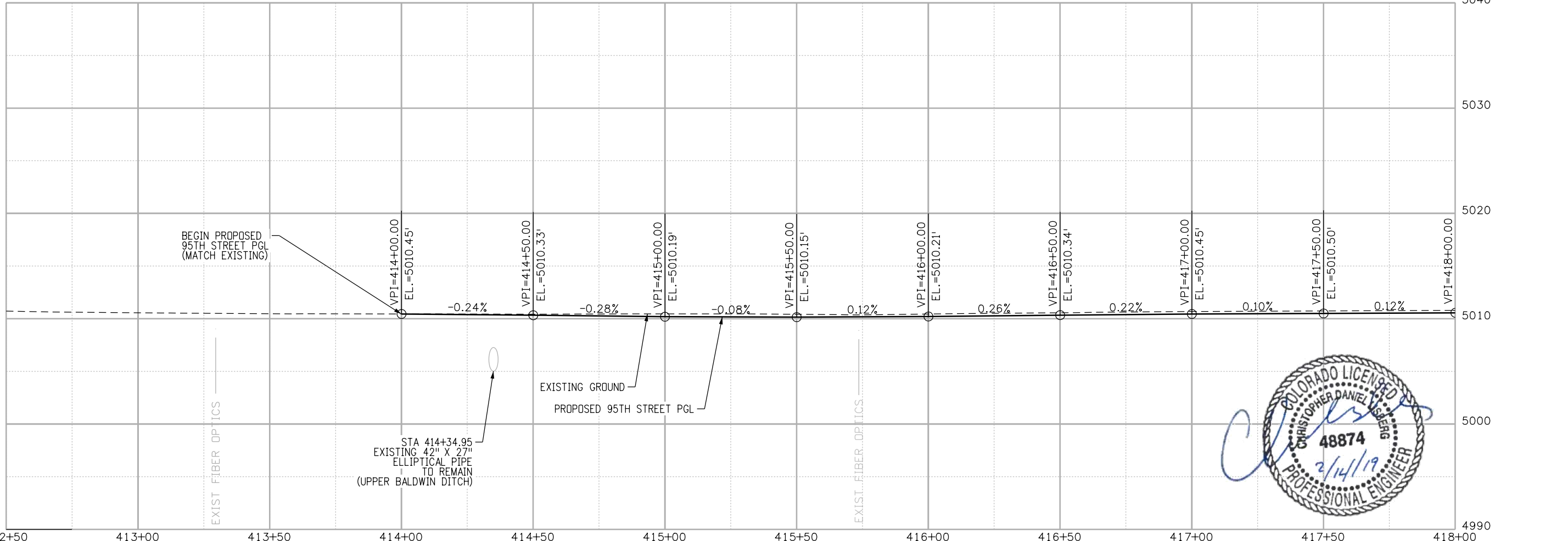
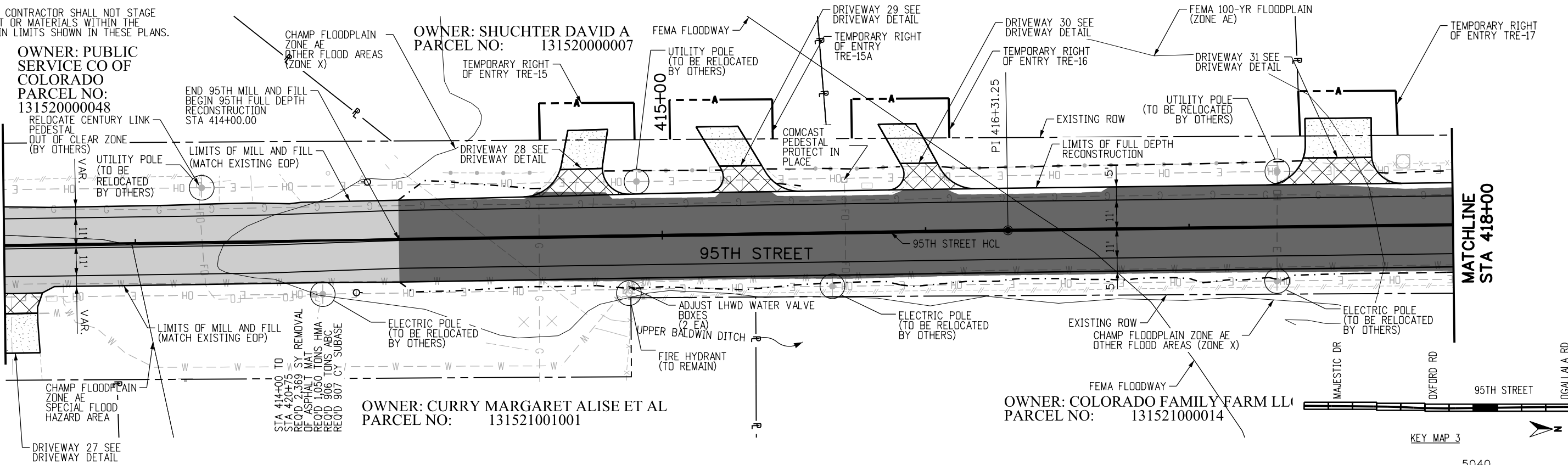
OWNER: SHUCHTER DAVID A
PARCEL NO: 13152000007

OWNER: CURRY MARGARET ALISE ET AL
PARCEL NO: 13152100101

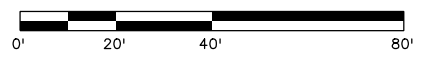
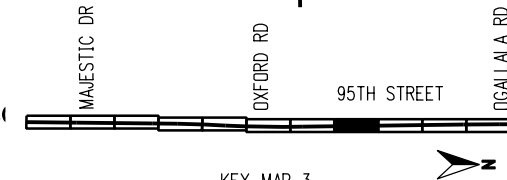
OWNER: COLORADO FAMILY FARM LL
PARCEL NO: 13152100014

MATCHLINE STA 412+50

MATCHLINE STA 418+00



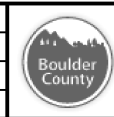
KEY MAP 3



RFC

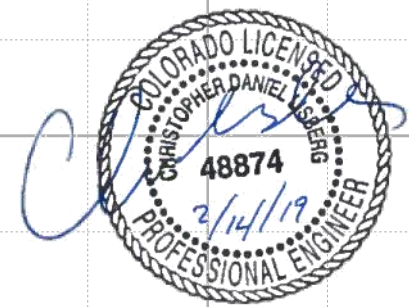
CALL UTILITY NOTIFICATION CENTER OF COLORADO
811
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

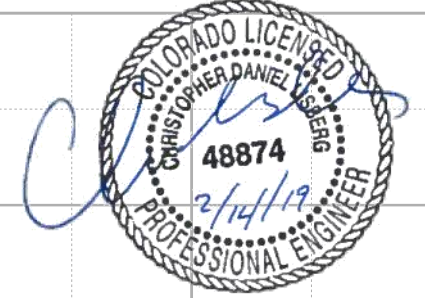
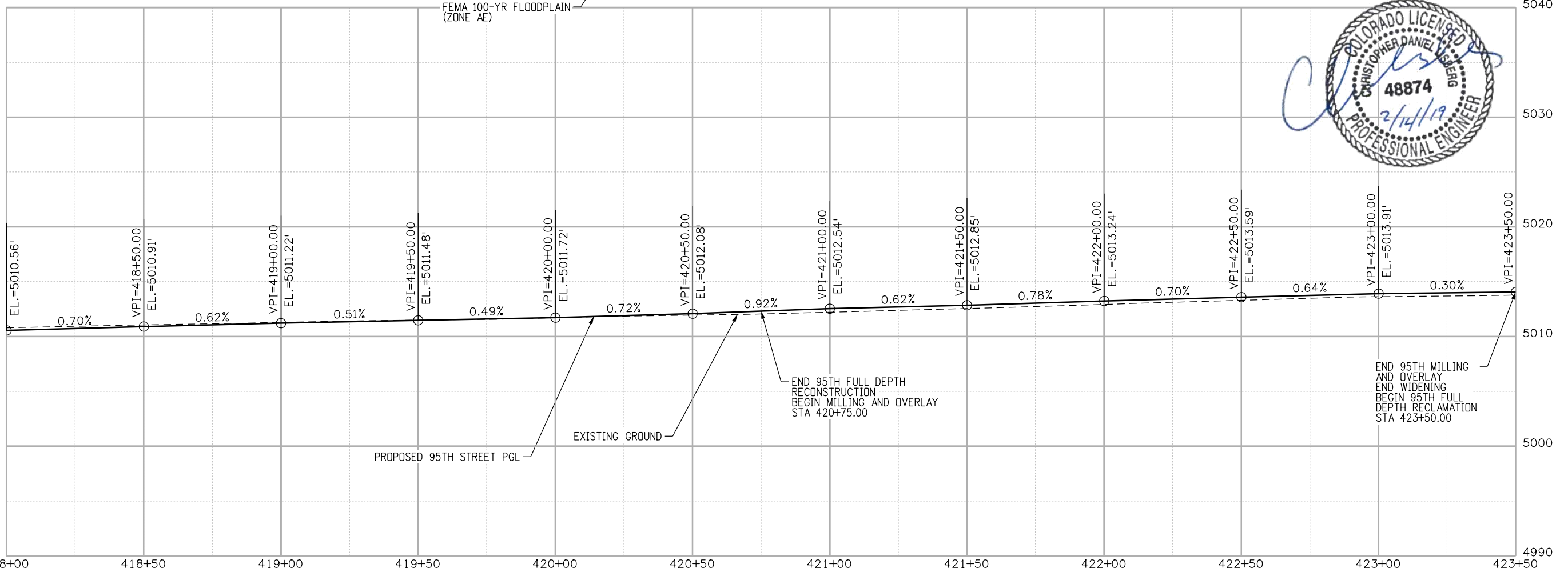
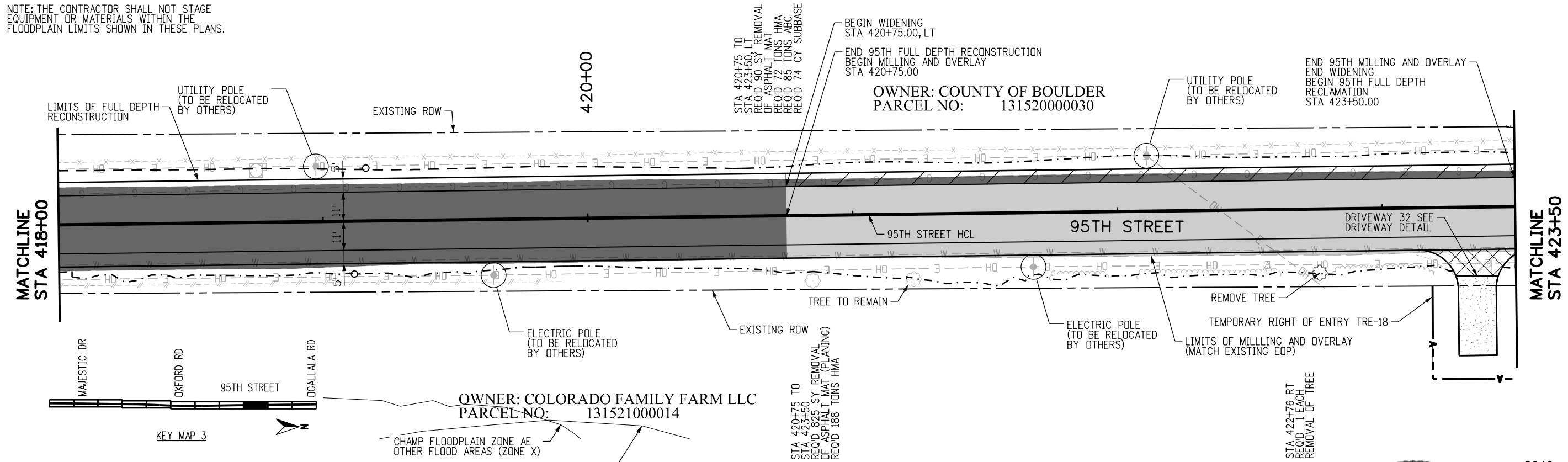


BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

95TH STREET PLAN AND PROFILE
DESIGNED: JTS CAD: MPR CHECKED: CDL DATE: 02/14/2019
PROJECT NO: 74030 SHEET NO: 52



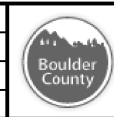
NOTE: THE CONTRACTOR SHALL NOT STAGE EQUIPMENT OR MATERIALS WITHIN THE FLOODPLAIN LIMITS SHOWN IN THESE PLANS.



RFC

CALL UTILITY NOTIFICATION CENTER OF COLORADO
811
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION



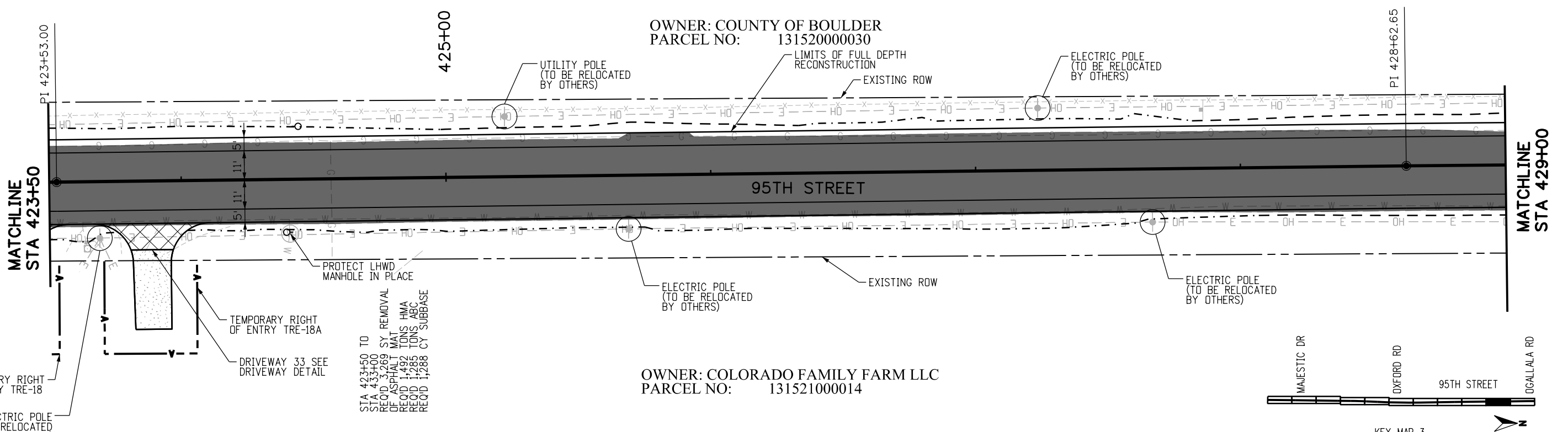
BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: JTS	CAD: MPR	CHECKED: CDL	DATE: 02/14/2019
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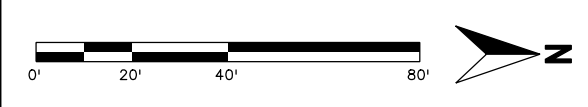
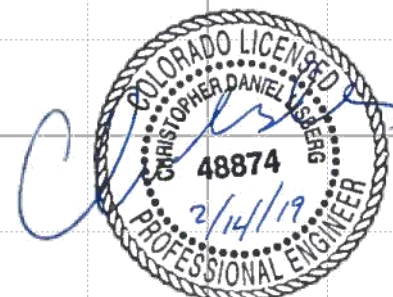
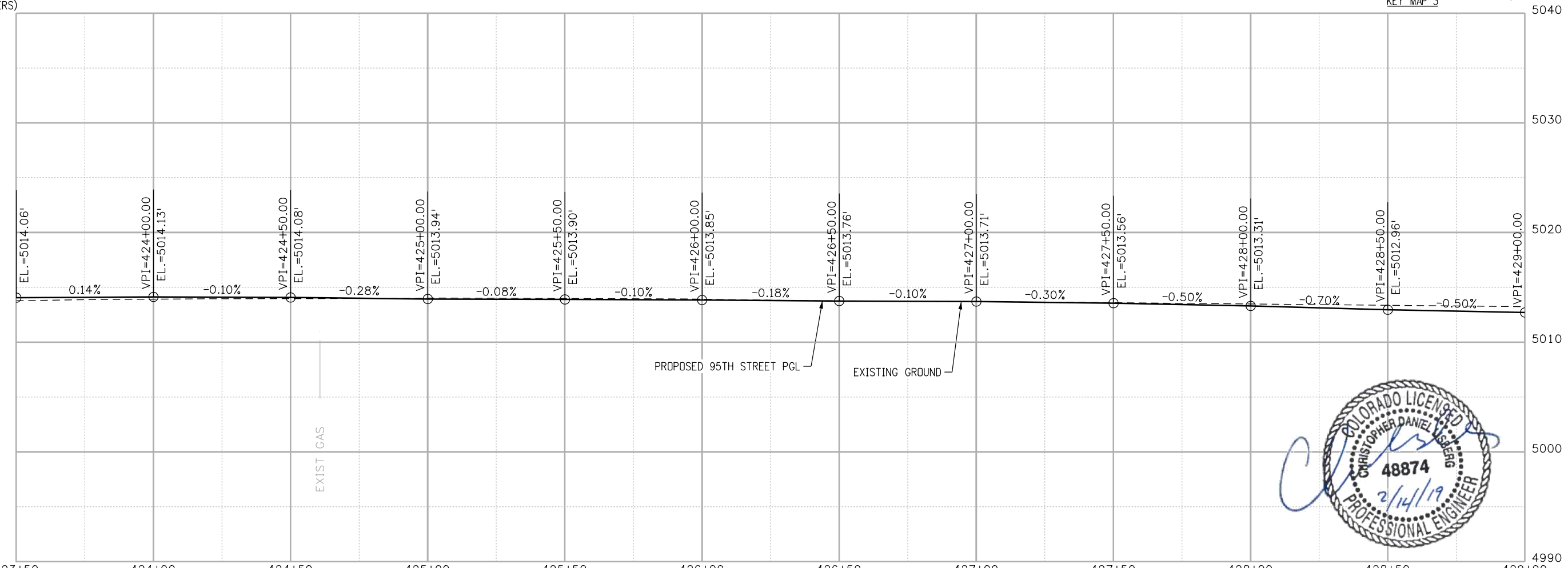
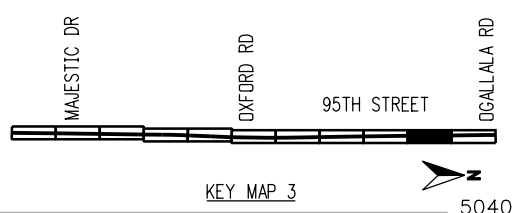
95TH STREET PLAN AND PROFILE
 PROJECT NO: 74030 SHEET NO: 53

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STA 423+50 TO
 STA 423+00
 REQD 3,269 SY REMOVAL
 DE ASPHALT MAT
 REQD 1,492 TONS HMA
 REQD 1,285 TONS ABC
 REQD 1,288 CY SUBBASE



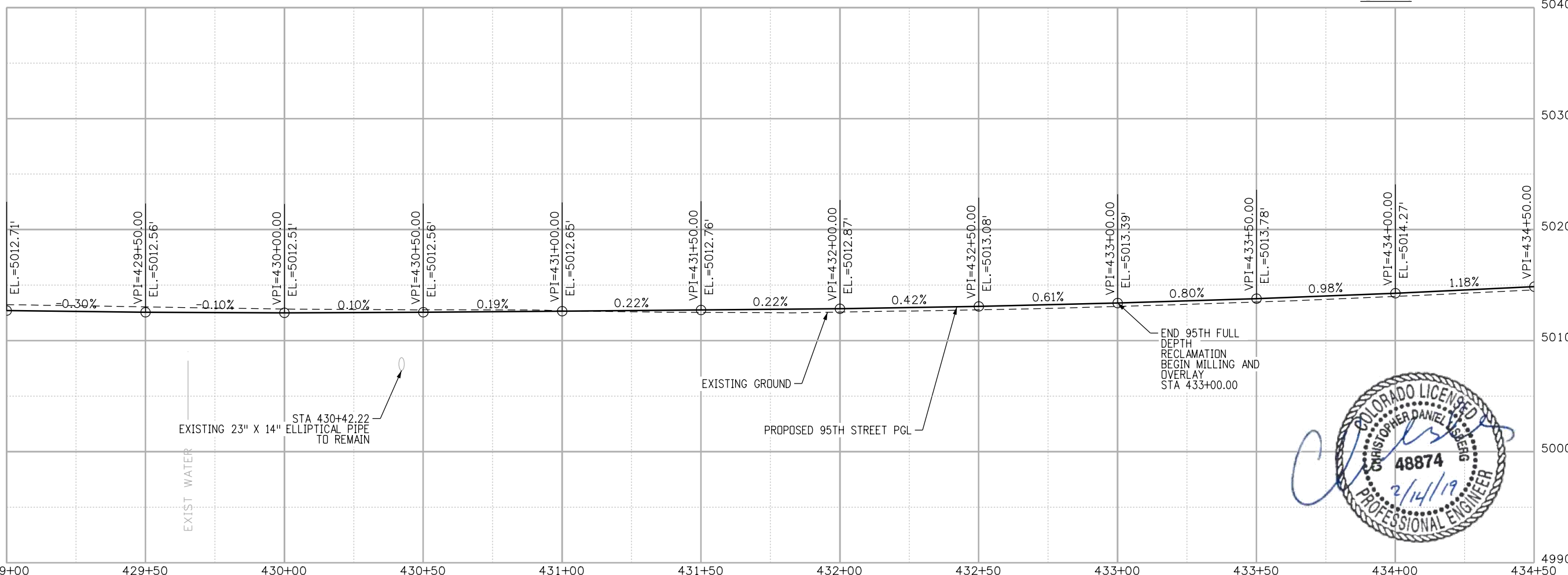
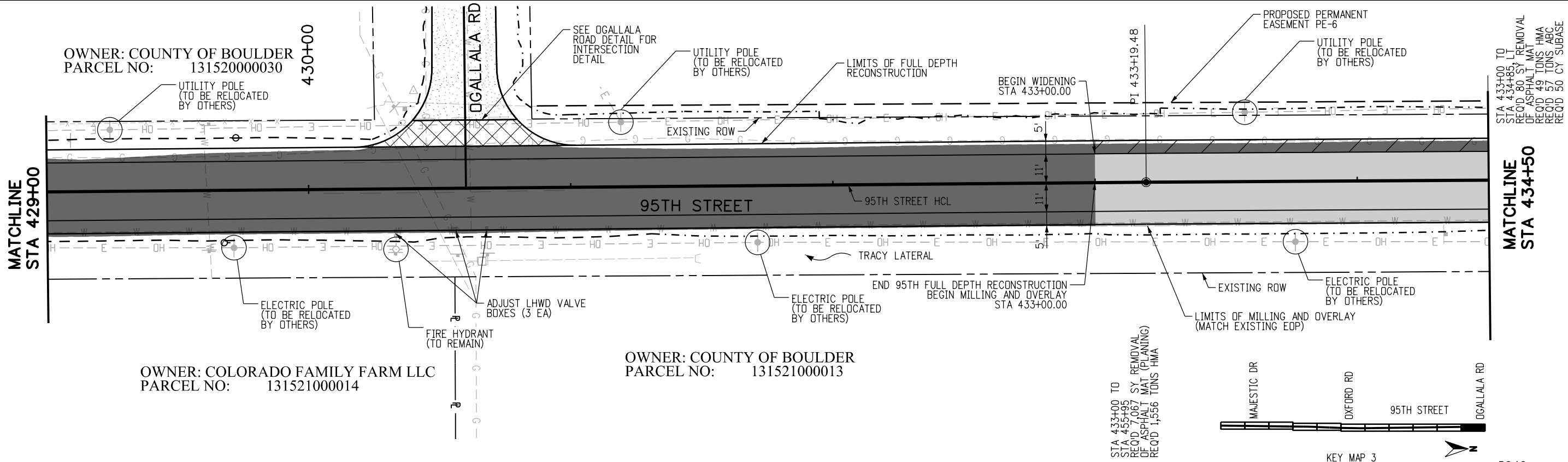
CALL UTILITY NOTIFICATION CENTER OF COLORADO		REVISION DESCRIPTION:	
NO.	DATE		

BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

95TH STREET
PLAN AND PROFILE
 PROJECT NO: 74030 SHEET NO: 54

DESIGNED: JTS
 CAD: MPR
 CHECKED: CDL
 DATE: 02/14/2019

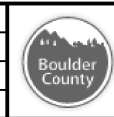
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RFC

811
 CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

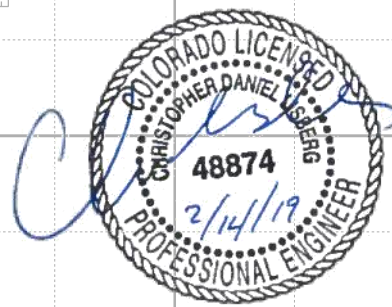
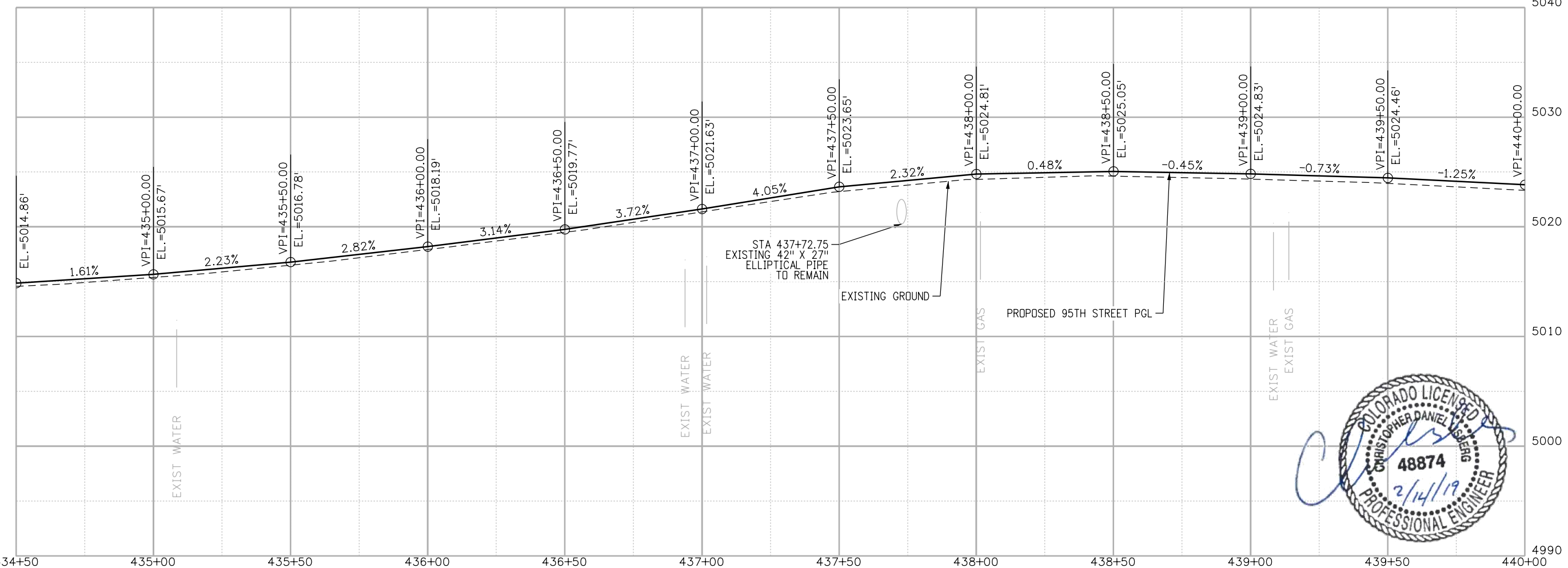
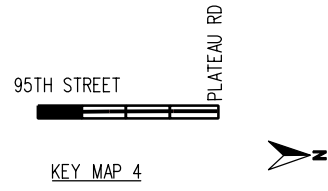
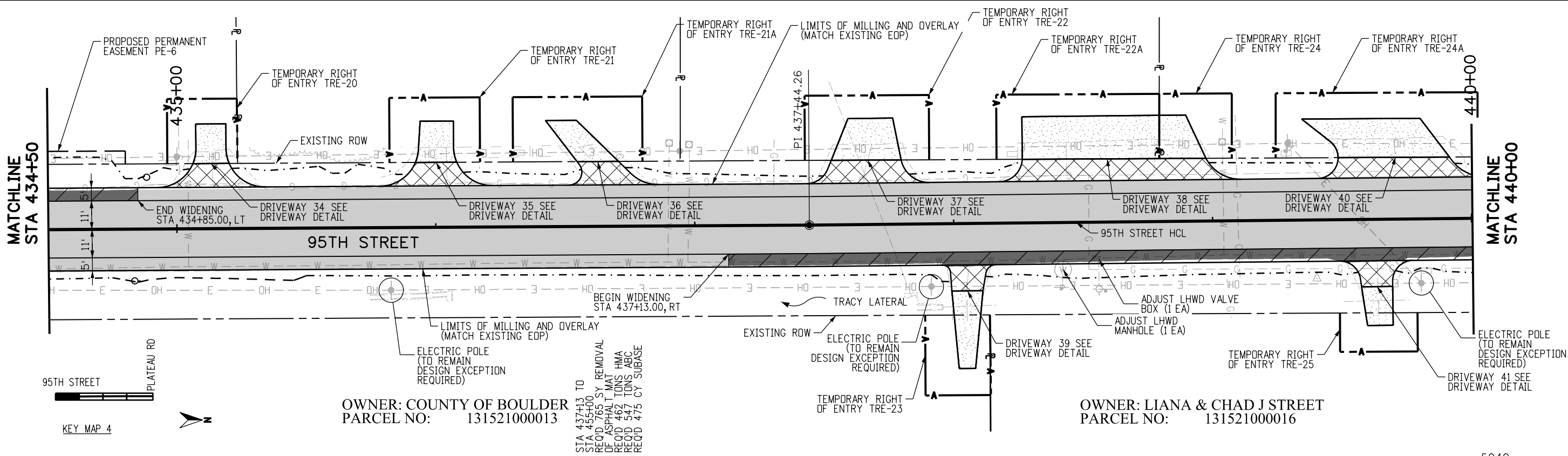


BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: JTS	CAD: MPR	CHECKED: CDL	DATE: 02/14/2019
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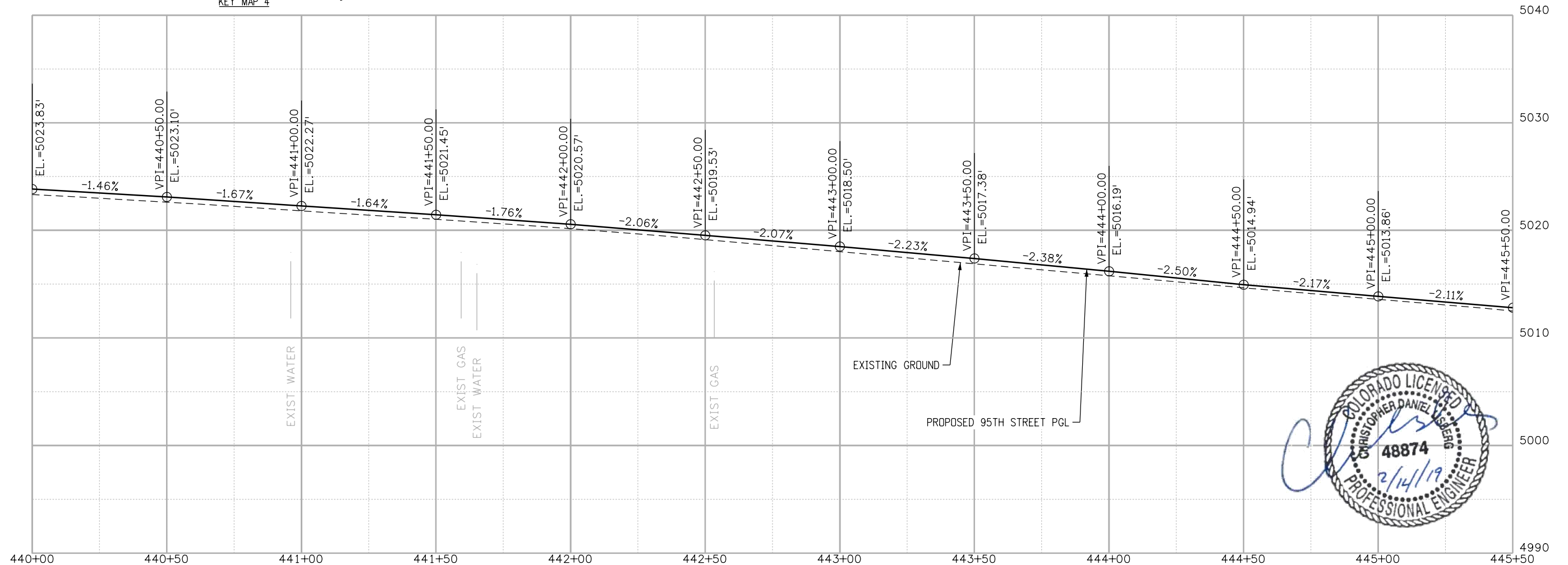
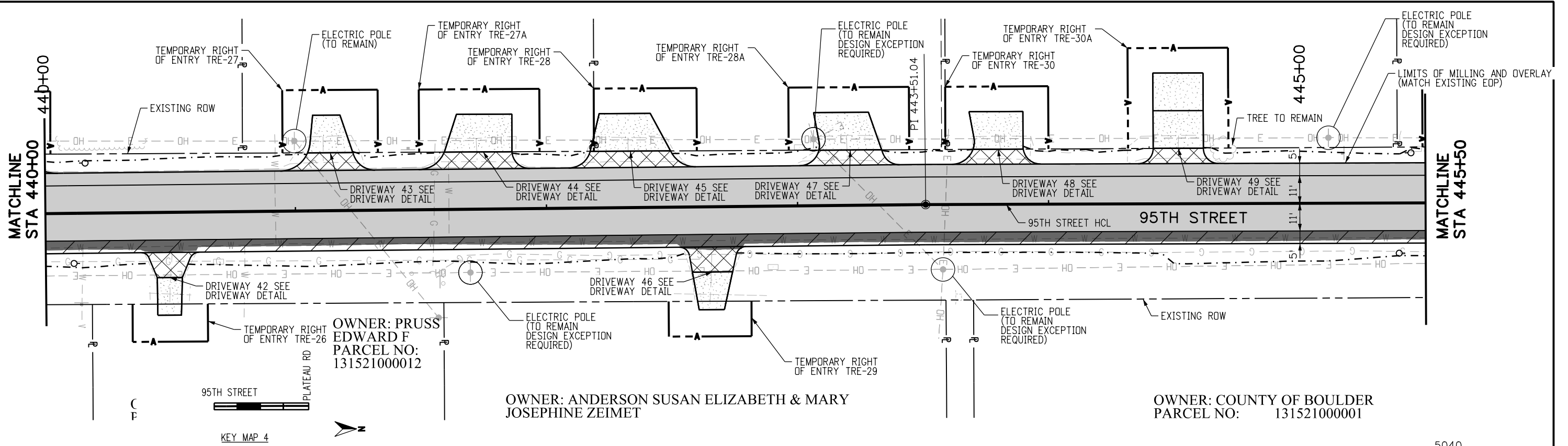
95TH STREET PLAN AND PROFILE
 PROJECT NO: 74030 SHEET NO: 55

alison.lavery 1:18:00 PM p:\617479-PWINT.aecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95th St_PlanProfile_Seg2_36.dgn



	CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES		NO.	DATE	REVISION DESCRIPTION:		BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION				95TH STREET PLAN AND PROFILE	
	RFC	DESIGNED: JTS	CAD: MPR	CHECKED: CDL	DATE: 02/14/2019		PROJECT NO: 74030	SHEET NO: 56				

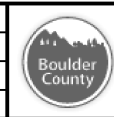
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RFC

CALL UTILITY NOTIFICATION CENTER OF COLORADO
811
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

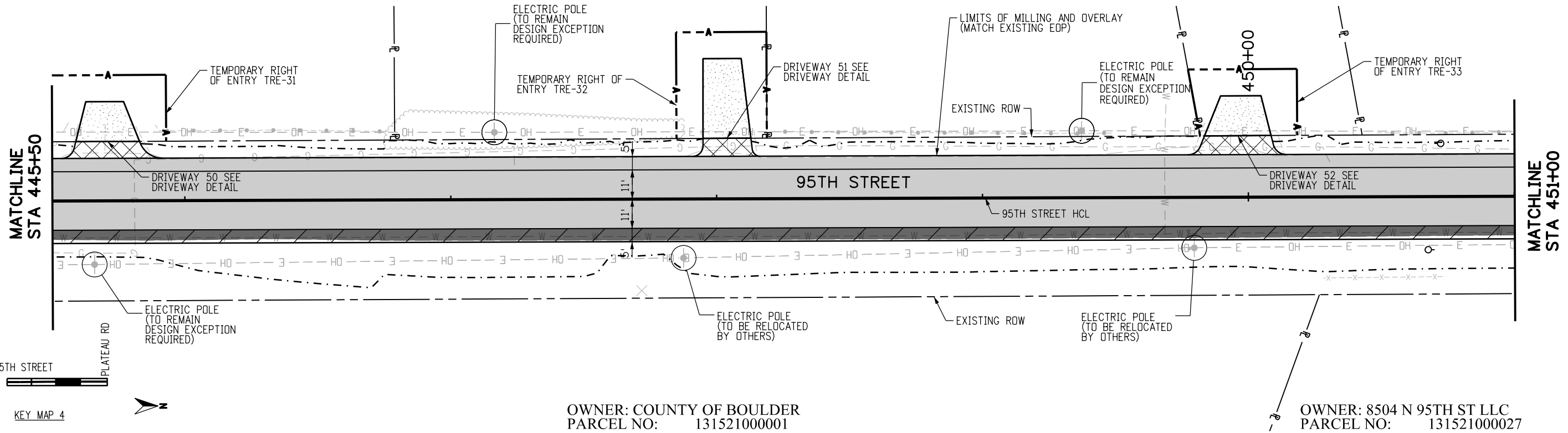
NO.	DATE	REVISION DESCRIPTION



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

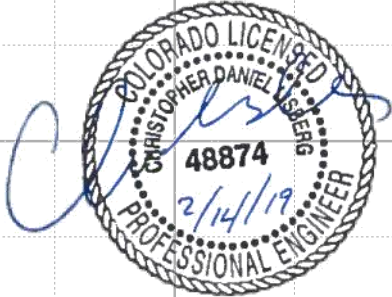
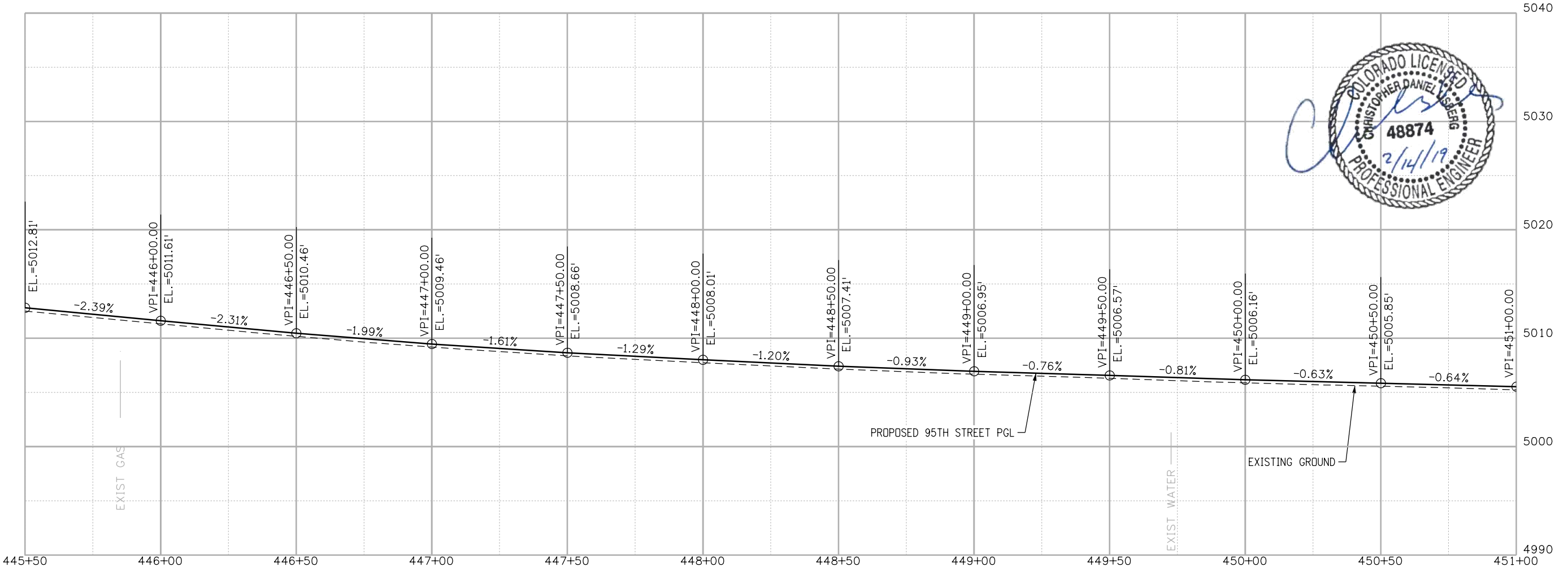
95TH STREET PLAN AND PROFILE
 DESIGNED: JTS | CAD: MPR | CHECKED: CDL | DATE: 02/14/2019
 PROJECT NO: 74030 | SHEET NO: 57

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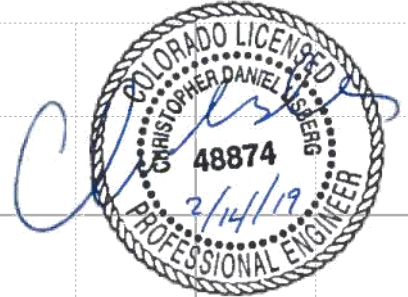
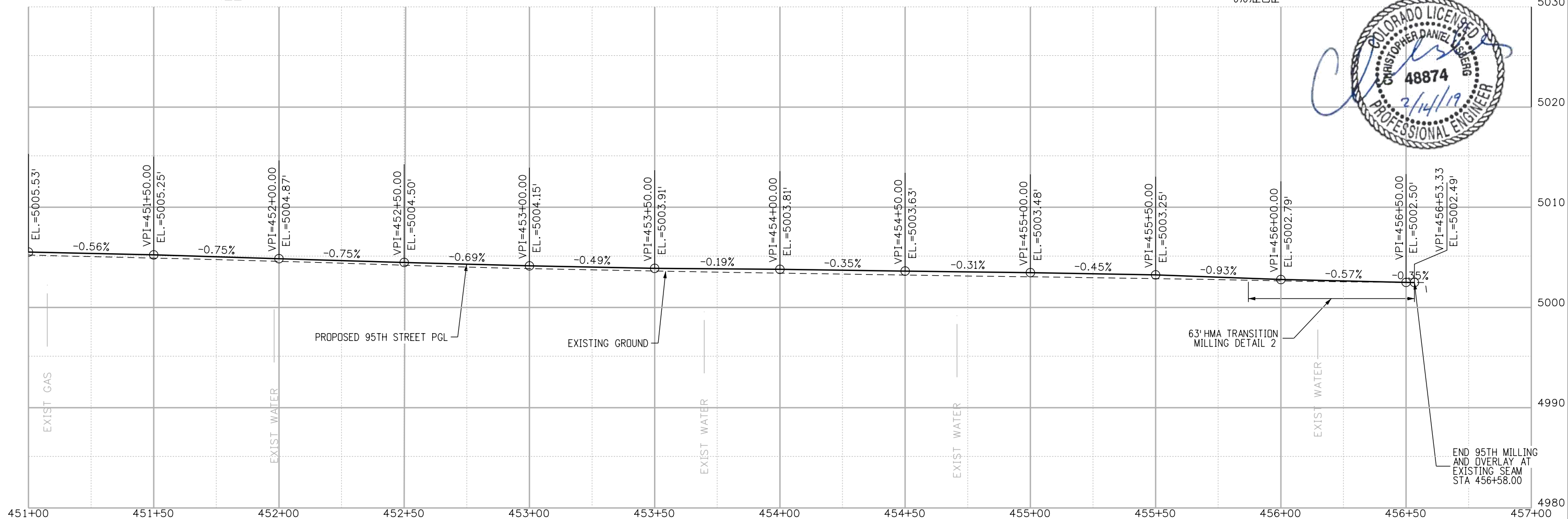
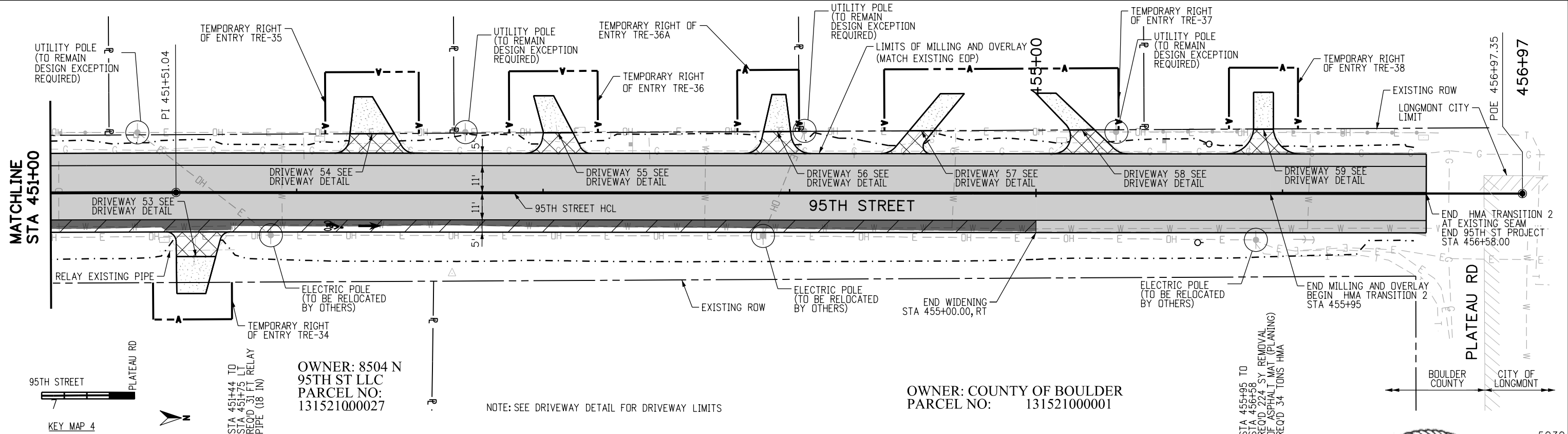
OWNER: COUNTY OF BOULDER
 PARCEL NO: 13152100001

OWNER: 8504 N 95TH ST LLC
 PARCEL NO: 13152100027



RFC	CALL UTILITY NOTIFICATION CENTER OF COLORADO 	<table border="1" style="font-size: small;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REVISION DESCRIPTION:</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> </tbody> </table>	NO.	DATE	REVISION DESCRIPTION:											BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION 	95TH STREET PLAN AND PROFILE
	NO.	DATE	REVISION DESCRIPTION:														
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	DESIGNED: JTS CAD: MPR CHECKED: CDL DATE: 02/14/2019	PROJECT NO: 74030 SHEET NO: 58															

o:\scon\lavery\118:55 PM\617479-PWINT\secomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95th St_PlanProfile_Seg2_39.dgn

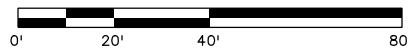
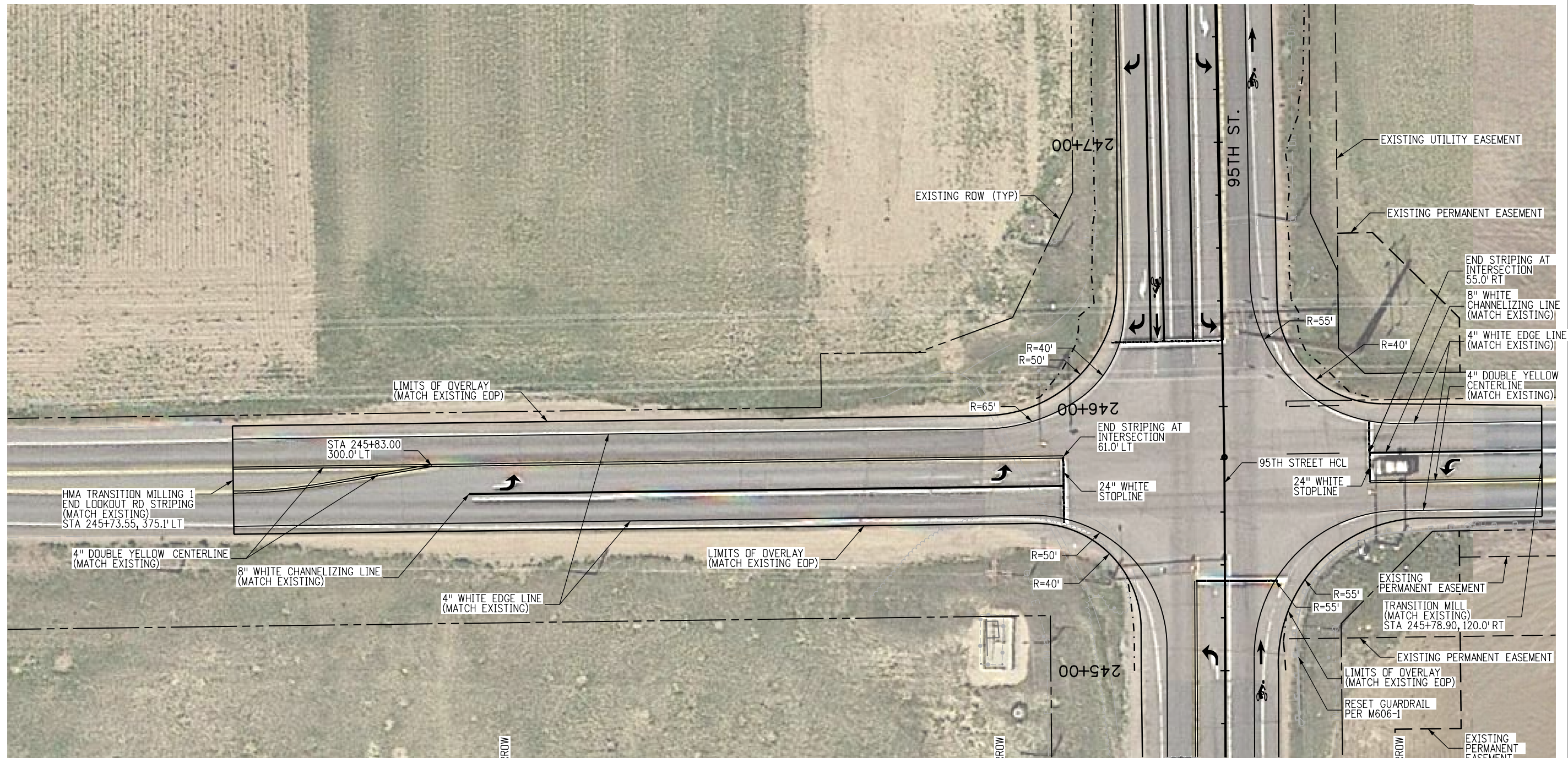


RFC	CALL UTILITY NOTIFICATION CENTER OF COLORADO		
	CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES		
NO.	DATE	REVISION DESCRIPTION:	

BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

DESIGNED: JTS	CAD: MPR	CHECKED: CDL	DATE: 02/14/2019
PROJECT NO: 74030			SHEET NO: 59

alison.lavery.1:19:13 PM p.w.\617479-PWINT\ecomonline.local\AECOM\DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95th St_PlanProfile_Seg2_Lookout.dgn



LOOKOUT RD. WEST
PLACE 390' LF 4"
DOUBLE YELLOW CENTERLINE

LOOKOUT RD. WEST
PLACE 225' LF 8"
WHITE EDGE LINE

STA 245+72, 270.0' LT
PLACE 16.1 SQ FT LEFT TURN ARROW

LOOKOUT RD. WEST
PLACE 705' LF 4"
WHITE EDGE LINE

STA 245+75, 84.0' LT
PLACE 16.1 SQ FT LEFT TURN ARROW

STA 245+82, 61.0' LT
PLACE 75' LF 24"
STOPLINE

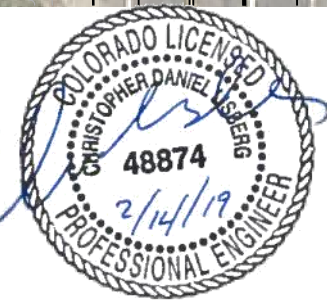
STA 245+71, 55.0' RT
PLACE 23' LF 24"
STOPLINE

STA 245+77, 85.0' RT
PLACE 16.1 SQ FT LEFT TURN ARROW

LOOKOUT RD. EAST
PLACE 65' LF 4"
DOUBLE YELLOW CENTERLINE

LOOKOUT RD. EAST
PLACE 65' LF 8"
WHITE EDGE LINE

LOOKOUT RD. EAST
PLACE 229' LF 4"
WHITE EDGE LINE



RFC



**CALL UTILITY NOTIFICATION
CENTER OF COLORADO**
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**



DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019
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**95TH STREET
LOOKOUT RD. DETAIL**

PROJECT NO: 74030 SHEET NO: 60

alison.lavery 11:19:26 PM p:\617479-PWINT\ecomonline\locat\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95th St_Rdwy_Detail_Seg2_Church_Ent.dgn



30R3-5R
ONLY

REMOVAL OF GROUND SIGN - 1 EACH
SIGN PANEL (CLASS II) - 7.5 SF
STEEL SIGN POST (2.25X2.25 INCH TUBING) - 13 LF



24R3-2

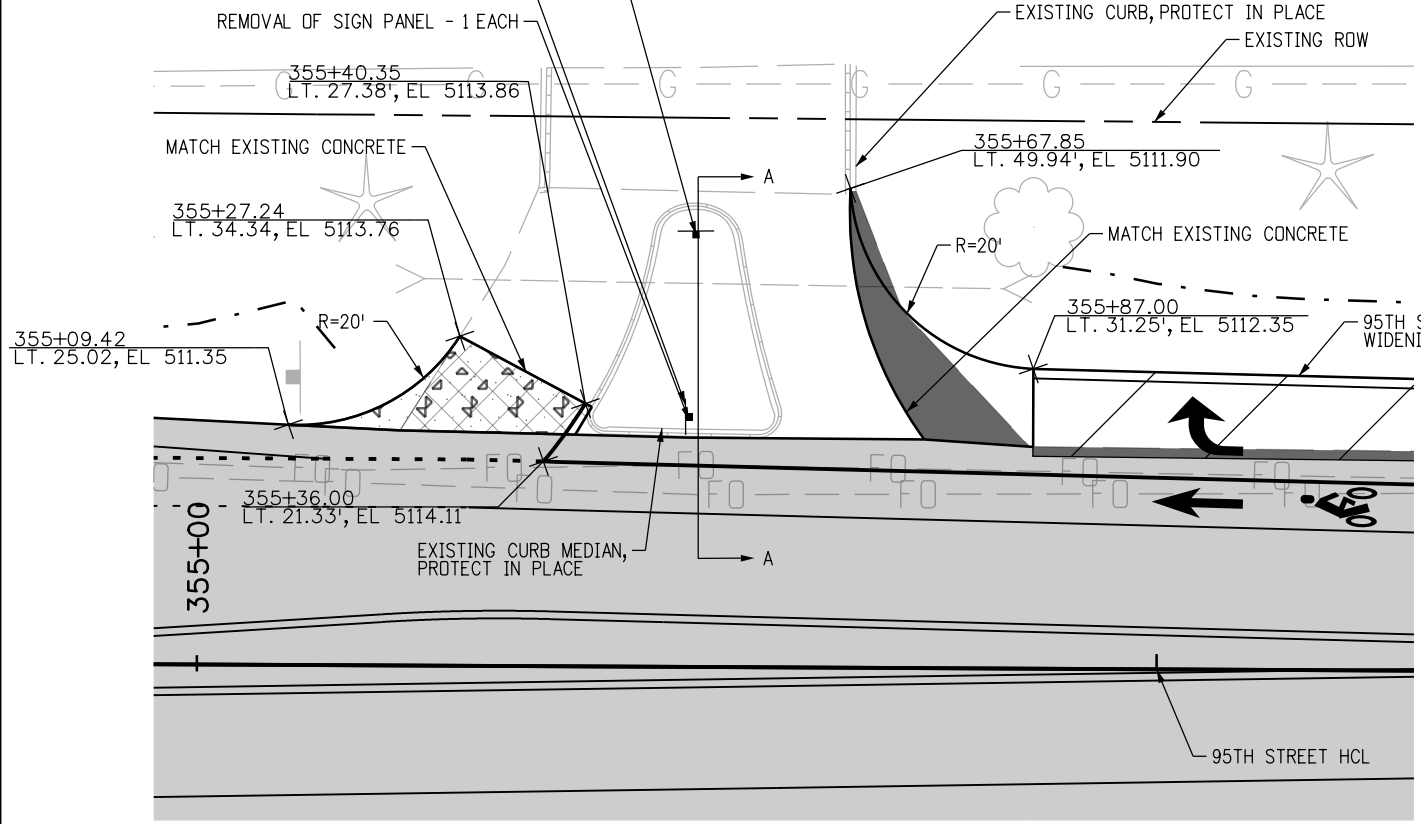
SIGN PANEL CLASS I - 4 SF
REMOVAL OF SIGN PANEL - 1 EACH

STA 355+21 TO STA 355+41
REQ'D 13 SY REMOVE
CONCRETE PAVEMENT
REQ'D 16 SY CONCRETE PAVEMENT

STA 355+67 TO STA 355+87
REQ'D 16 SY REMOVE ASPHALT MAT
REQ'D 10 TONS HMA
REQ'D 11 TONS ABC
REQ'D 9 CY SUBBASE

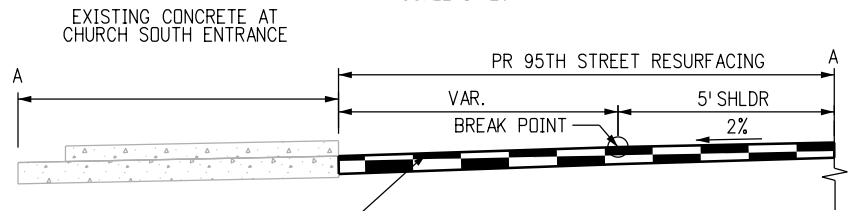
STA 359+73 TO STA 360+96
REQ'D 144 SY REMOVE
CONCRETE PAVEMENT
REQ'D 42 LF REM
CURB AND GUTTER

STA 359+73 TO STA 360+96
REQ'D 144 SY CONCRETE PAVEMENT
REQ'D 42 LF CURB AND
GUTTER TYPE 2 (SECTION I-B)



**ROCKY MOUNTAIN CHRISTIAN CHURCH
SOUTH ENTRANCE**

PLAN VIEW
SCALE: 1"=20'

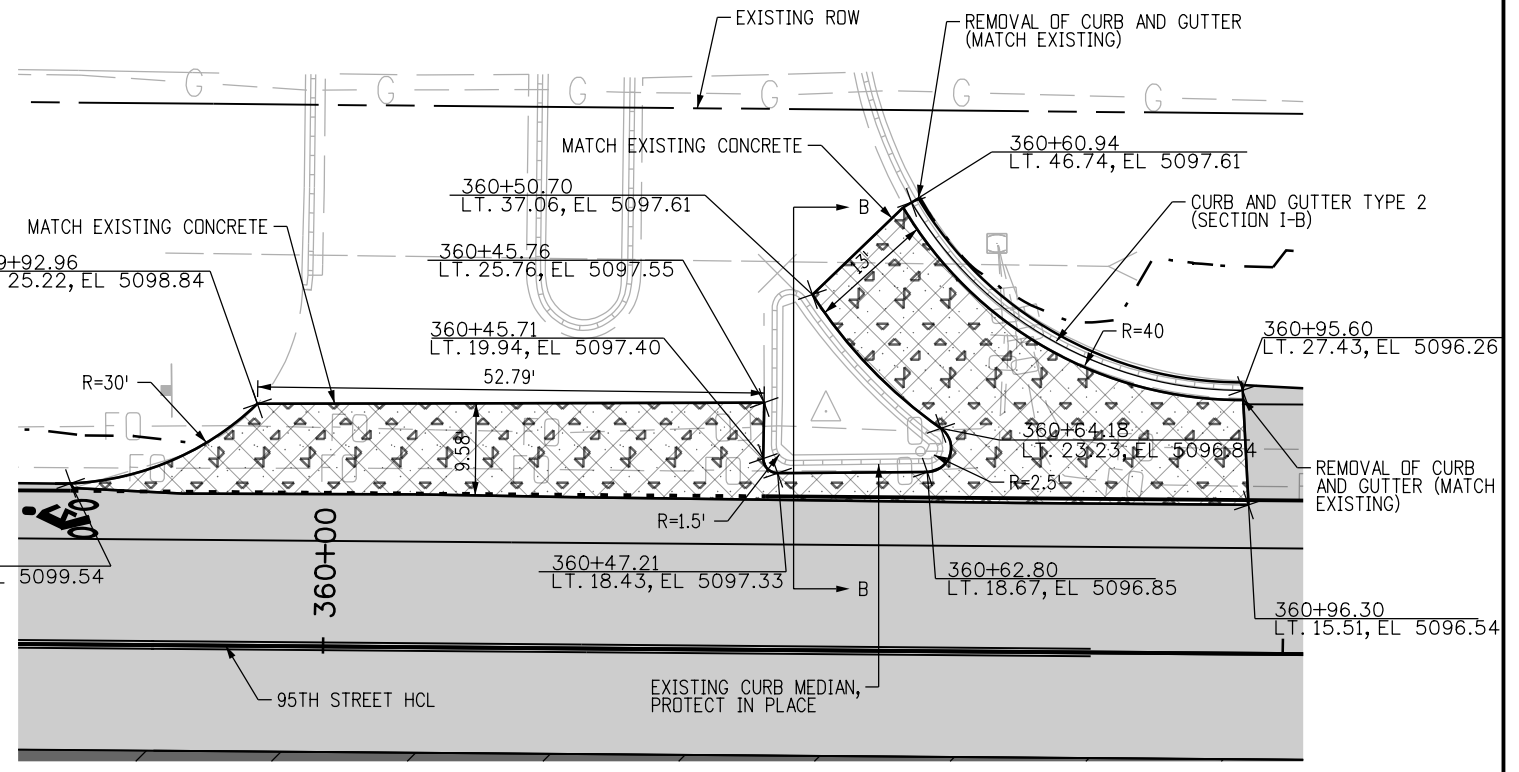


**SOUTH ENTRANCE CONCRETE
RECONSTRUCTION PAVEMENT DETAIL**

N.T.S.

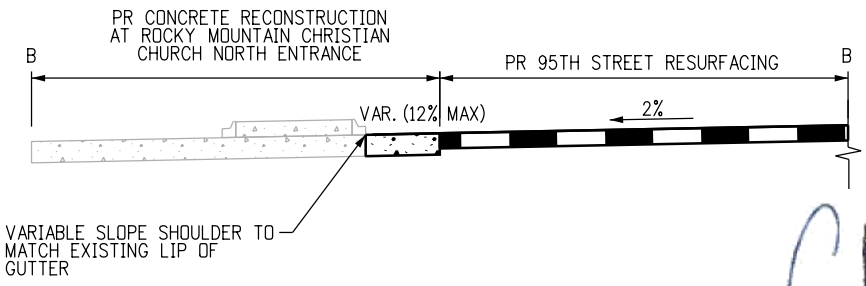
LEGEND

- REMOVAL OF ASPHALT MAT (PLANING)
- REMOVAL OF ASPHALT MAT
- REMOVAL OF CONCRETE
- CONCRETE PAVEMENT 6 INCH



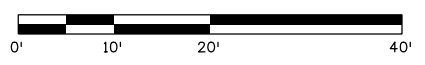
**ROCKY MOUNTAIN CHRISTIAN CHURCH
NORTH ENTRANCE**

PLAN VIEW
SCALE: 1"=20'



**NORTH ENTRANCE CONCRETE
RECONSTRUCTION PAVEMENT DETAIL**

N.T.S.



RFC



**CALL UTILITY NOTIFICATION
CENTER OF COLORADO**
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BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



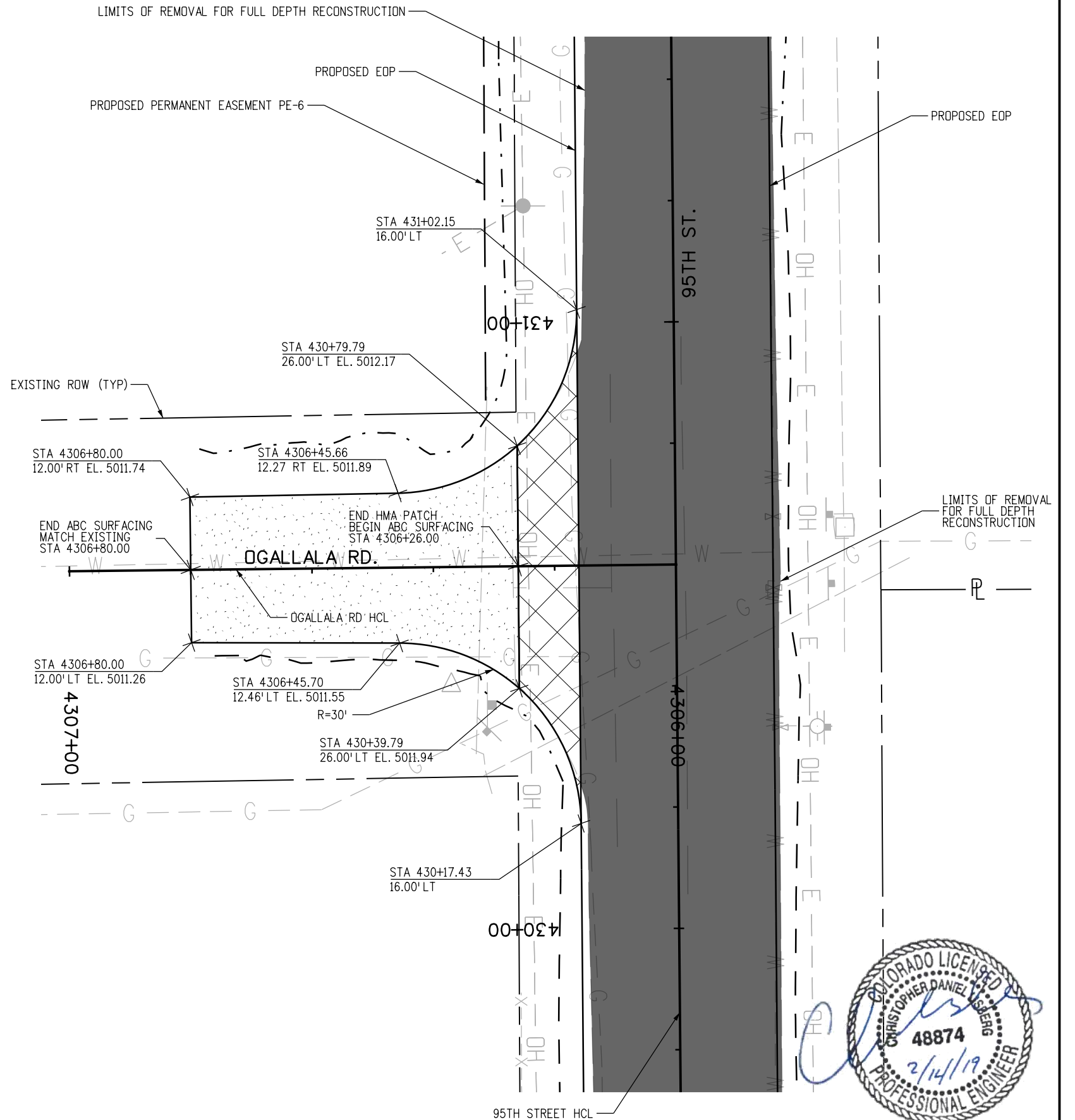
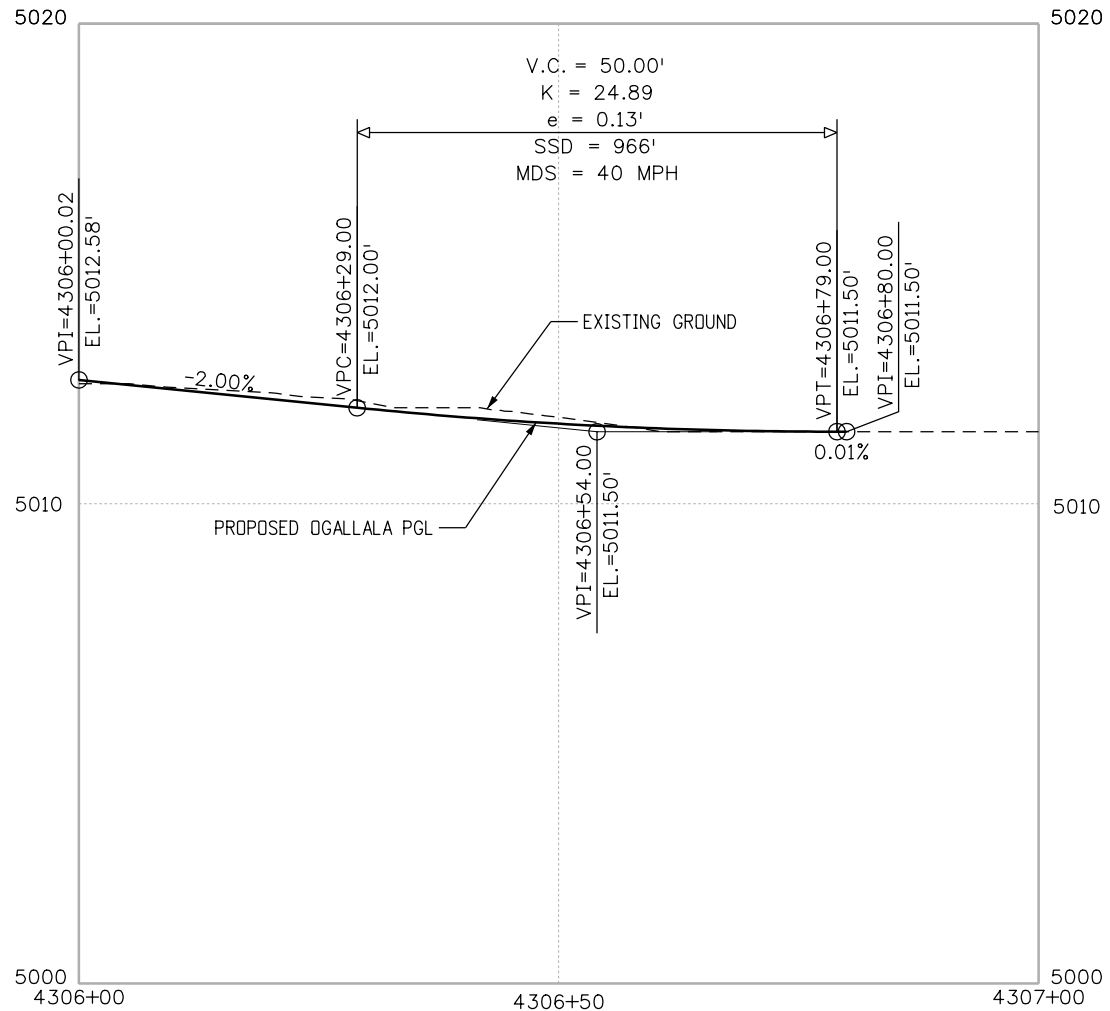
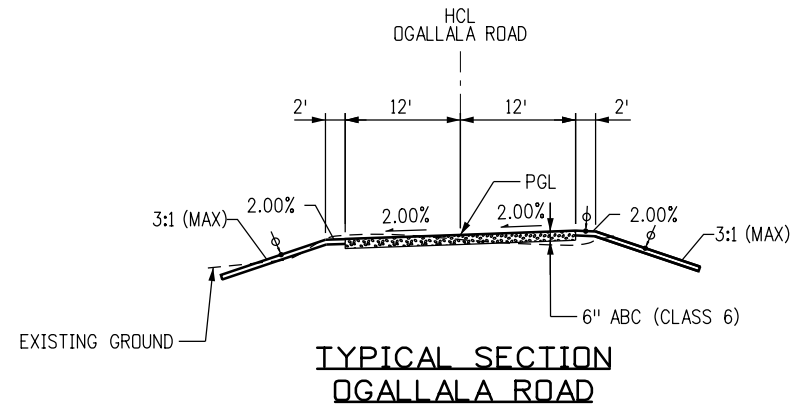
**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**

DESIGNED: CPF
CAD: NSA
CHECKED: RAC
DATE: 02/14/2019

**95TH STREET
CHURCH ENTRANCE DETAIL**

PROJECT NO: 74030 SHEET NO: 61

alison.lavery 1:19:40 PM pw:\617479-PWINT .aecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work 910 CAD\02 SHEETS\02_Roadway\Segment 2\95th St_Rdwy_Detail_Seg2_Dgallala_Rd.dgn



RFC



**CALL UTILITY NOTIFICATION
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MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**

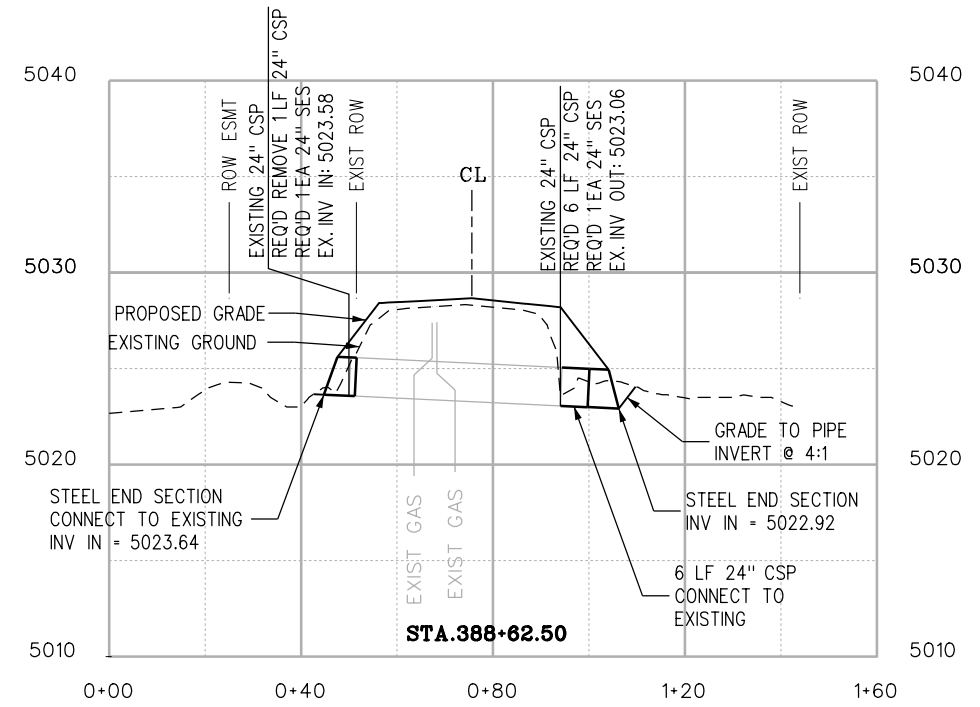
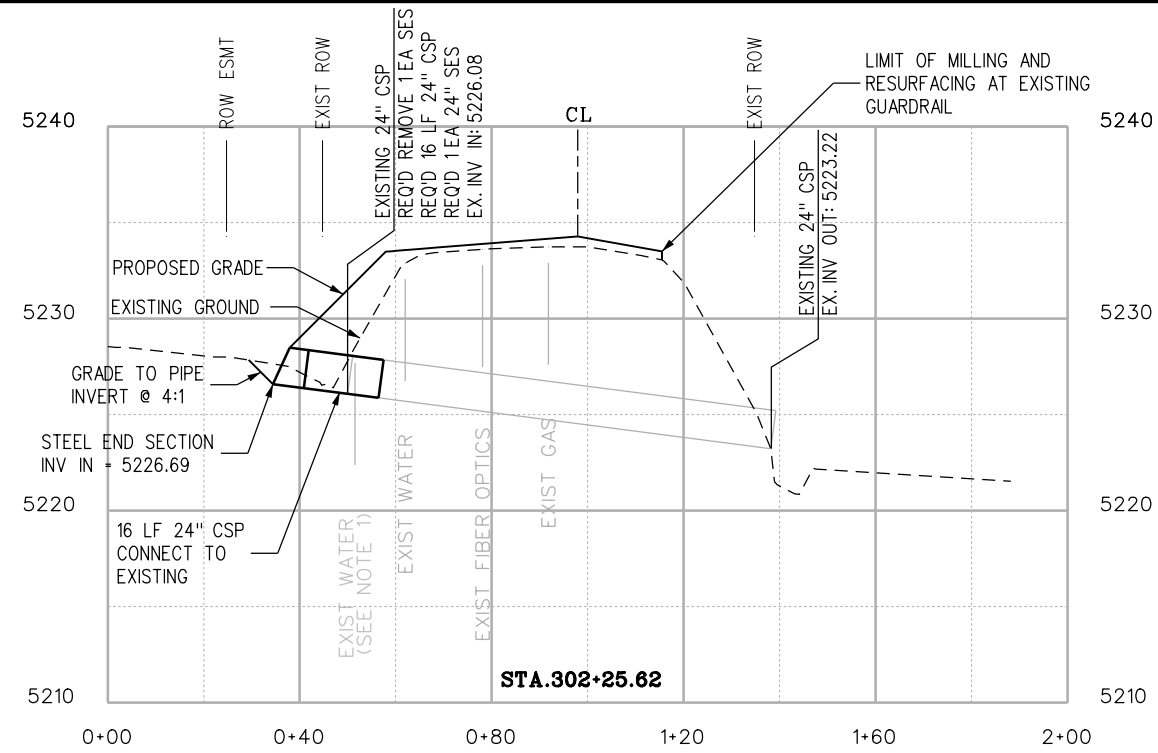


DESIGNED: JTS	CAD: MPR	CHECKED: CDL	DATE: 02/14/2019
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**95TH STREET
OGALLALA RD. DETAIL**

PROJECT NO: 74030 SHEET NO: 62

alison.lavery 1:20:50 PM pw:\617479-PWINT_aecomonline.locat:AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\03_Hydrology-Drainage\Segment2\95th_Street_DRPR01.dgn



NOTES:

- EXISTING UTILITY ELEVATION AND LOCATION ARE APPROXIMATE. CONTRACTOR TO VERIFY UTILITY ELEVATION AND LOCATION PRIOR TO CONSTRUCTION.

RFC	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	NO.	DATE	REVISION DESCRIPTION:	<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p>	DESIGNED:	CAD:	CHECKED:	DATE:	<p>95TH STREET CULVERT PROFILES (1)</p>	PROJECT NO: 74030	SHEET NO: 63
		REVISIONS:					SKL	SKL	CDL			

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 to reflect current project site conditions.

- A. **PROJECT SITE LOCATION:** The project is located in the Boulder County and covers 4.0 miles of North 95th Street. The project consists of resurfacing and widening of 4.0 miles of North 95th Street Lookout Road to Plateau Road with the exception of the intersection at Mineral Road. The construction office is located at:

Boulder County Transportation Department
2525 13th Street, Suite 203
Boulder, Colorado 80304

- B. **PROJECT SITE DESCRIPTION:** The linear roadway project scope consists of resurfacing and widening of a portion of North 95th Street which is a part of a larger reconstruction of North 95th Street from the City of Lafayette to the south to the City of Longmont to the north in Boulder County, Colorado. The reconstruction is being completed to meet Boulder County Multi-Modal standards along the roadway. Construction will consist of mill and overlay of the existing roadway with widening along some portions. Widening as well as mill and overlay will require minor regrading along the roadway shoulders and will include reconstruction of existing driveways adjacent to the road. The roadway project will also include signing, striping, and safety improvements to the roadway. The roadway crosses four irrigation ditches within the project limits. The existing culverts for the ditch crossings will be maintained with no impact expected. Existing roadside ditch flowlines are also expected to be maintained with minor regrading within the ditch limits. Existing roadside drainage culverts will be extended as required by the proposed project. No impact is expected to utilities with any conflicts being mitigated prior to the project start. Additionally, tree protection is not expected for the project as a few trees within the ROW are expected to be removed. Final disposition includes seeding or re-establishment of landscaping for disturbed areas.

- C. **PROPOSED SEQUENCING FOR MAJOR CONSTRUCTION ACTIVITIES:** Construction sequencing will include milling of the existing roadway surface and adjacent grading to align with the proposed roadway surface as well as any widening in phases to allow for continuous operation of the roadway. The sequencing of construction activities are anticipated to include pavement removal, roadway grading, final paving, and final stabilization of the site. Installation of temporary construction Best Management Practices (BMPs) will be installed at the appropriate time for the particular BMP. Perimeter controls are to be maintained around wetlands, ditches and project limits throughout the project to minimize impact to the wetlands, ditches, river and adjacent properties during any upstream or up slope activities.

D. **ACRES OF DISTURBANCE:**

1. Total area of construction site (LOC (PERMITTED AREA)): 37.7 acres
2. Total area of proposed disturbance (LDA): 27.3 acres
3. Total area of seeding: 10.2 acres
4. Total area of impervious surface: 17.1 acres
5. Total area of NEW impervious surface: 1.0 acres

- E. **EXISTING SOIL DATA:** The soil types for the project area were obtained from the United States Department of Agriculture Natural Resources Conservation Service (NRCS) Web Soil Survey. Sixteen (16) soil types occur within the project and the adjacent off-site basins. Soil types are primarily sandy loam or clay loam, having various slope classes ranging from 0% to 9% of hydrologic soil Group C, some Group B, and minor areas of group A. Hydrologic Soil Group C is used for this analysis.

F. **EXISTING VEGETATION, INCLUDING PERCENT COVER:**

The SWMP Administrator will conduct the Vegetation Transects as outlined in Chapter 4.11.2 of the Erosion Control and Stormwater Quality Guide.

Pre-Construction Date of survey: _____ %Density: _____
Description of existing vegetation:

Map or table showing transect locations in SWMP notebook tab 17:

Post-Construction Date of survey: _____ %Density: _____
Description of existing vegetation: _____ **Date of CDPS-SCP Closure:** _____
Map or table showing transect locations in SWMP notebook tab 17:

- G. **POTENTIAL POLLUTANTS SOURCES:** See First Construction Activities under Potential Pollutant Sources. The SWMP Administrator for construction shall prepare a list of all potential pollutants and their locations in accordance with subsection 107.25.

H. **RECEIVING WATER:**

1. Outfall locations: The stormwater generally outfalls directly to roadside ditches or adjacent agricultural fields and properties where roadside ditches do not exist with eventual outfall to the Boulder and Whiterock Ditch, Dry Creek, Lefthand Creek, and Boulder Creek. The irrigation ditches outfall to receiving fields within the Boulder Creek and Lefthand Creek watersheds.
2. Names of receiving water(s) on site: Dry Creek, Lefthand Creek, or Boulder & Whiterock Ditch
3. Ultimate receiving water: St. Vrain Creek
4. Horizontal distance nearest water of the state is from project: 0.0 miles

Outfall		Outfall Type	Outfall Location			Receiving Water	BMP
Name	Runoff Type		Alignment	Station	Offset		
245+00	Sheet Flow	Fields	North 95 th Street	245+00	RT	Boulder Creek	Erosion Logs
TBD							
TBD							
Boulder & Whiterock Ditch	Sheet Flow	Irrigation Ditch	North 95 th Street	344+15	LT/RT	Dry Creek	Erosion Logs
Boulder & Lefthand Ditch	Sheet Flow	Irrigation Ditch	North 95 th Street	351+00	LT/RT	Dry Creek	Erosion Logs
TBD							
388+00 LT	Sheet Flow	Fields	North 95 th Street	388+00	LT	Dry Creek	Erosion Logs
388+00 RT	Sheet Flow	Fields	North 95 th Street	388+00	RT	Boulder & Whiterock Ditch	Erosion Logs
TBD							
Dry Creek	Sheet Flow	River	North 95 th Street	404+00	LT/RT	St. Vrain Creek	Erosion Logs
TBD							
454+00	Sheet Flow	Fields	North 95 th Street	454+00	LT	Lefthand Creek	Erosion Logs
456+58	Sheet Flow	Irrigation Ditch	North 95 th Street	456+58	RT	Lefthand Creek	Erosion Logs

- I. **NON-STORMWATER DISCHARGES:** The SWMP Administrator for Construction shall identify the location and description of any anticipated allowable sources of non-storm water discharges. No major sources are expected as there are no significant areas of excavation within the project. Erosion logs along the perimeter and around the ditches is anticipated to be sufficient in handling discharges within and adjacent to the project.



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ALLOWABLE:

1. Groundwater and stormwater dewatering: Discharges to the ground of water from construction dewatering activities may be authorized provided that:
 - a. the source is groundwater and/or groundwater combined with stormwater that does not contain pollutants
 - b. the source and BMPs/Control Measures are identified in the SWMP
 - c. discharges do not leave the site as surface runoff or to surface waters
 - d. The contractor shall protect all work areas and facilities from water at all times. Areas and facilities subject to flooding, regardless of the source of water, shall be promptly dewatered and restored at no cost to the owner. This shall include removal of any debris caused by flooding. Any dewatering shall be done in accordance with Subsection 107.25

CONTAMINATED:

1. If discharges do not meet the above criteria a separate CDPS permit shall be obtained by the Contractor from the CDPHE. See standard special provision 250 Hazardous Waste and Contaminated Water.

2. SITE MAP COMPONENTS:

Pre-construction

- A. PROJECT CONSTRUCTION POTENTIAL SITE BOUNDARIES See Roadway and SWMP plans
- B. ALL AREAS OF GROUND SURFACE DISTURBANCE See LDA on SWMP Plans
- C. AREAS OF CUT AND FILL See cut/fill limits on Roadway Plans
- D. LOCATION OF ALL STRUCTURAL BMPs/CONTROL MEASURES IDENTIFIED IN THE SWMP See SWMP Plans
- E. LOCATION OF NON-STRUCTURAL BMPs/CONTROL MEASURES AS APPLICABLE IN THE SWMP See SWMP Plans
- F. SPRINGS, STREAMS, WETLANDS AND OTHER SURFACE WATER See SWMP Plans
- G. PROTECTION OF TREES, SHRUBS, CULTURAL RESOURCES AND MATURE VEGETATION See SWMP Plans
- H. AREAS USED FOR STORING AND STOCKPILING OF MATERIALS, STAGING AREAS (field trailer, fueling, etc.) and BATCH PLANTS SWMP Administrator for Construction to provide locations of these area prior to construction activities

3. SWMP ADMINISTRATOR:

A. SWMP ADMINISTRATOR FOR DESIGN:

Name/Title	Contact Information
David Seyboldt, PE	phone: 303-740-2726, email: David.Seyboldt@aecom.com

B. SWMP ADMINISTRATOR FOR CONSTRUCTION: (As defined in Subsection 208) The Contractor shall designate a SWMP Administrator for Construction upon ownership of the SWMP. The SWMP Administrator shall become the owner/operator and assume responsibility for all design changes to the SWMP implementation and maintenance in accordance to 208.03. The SWMP Administrator shall be responsible for implementing, maintaining and revising SWMP, including the title and contact information. The activities and responsibilities of the SWMP administrator shall address all aspects of the projects SWMP. (Update the information below for each new SWMP Administrator) (Copy of TECS Certification must also be included in the SWMP Notebook.)

Name/Title	Contact Information	Certification #	Start Date	Engineer Approval

C. EROSION CONTROL INSPECTOR: (As defined in Subsection 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 Notebook.)

Name/Title	Contact Information	Certification #	Start Date	Engineer Approval

4. STORMWATER MANAGEMENT CONTROLS FIRST CONSTRUCTION ACTIVITIES

THE CONTRACTOR SHALL PERFORM THE FOLLOWING:

A. POTENTIAL POLLUTANT SOURCES

Evaluate, identify, locate and describe all potential sources of pollutants at the site in accordance with subsection 107.25, CDPS-SCP and place in the SWMP notebook. All BMPs/Control Measures related to potential pollutants shall be shown on the SWMP site map by the Contractor's SWMP Administrator.

B. OFFSITE DRAINAGE (RUN ON WATER)

1. Describe and record BMPs/Control Measures on the SWMP site map that have been implemented to address off site run-on water in accordance with subsection 208.03.

C. VEHICLE TRACKING PAD/VEHICLE TRACKING CONTROL

1. BMPs/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.
2. Perimeter control may consist of vegetation buffers, berms, silt fence, erosion logs, existing landforms, or other BMPs/Control Measures as approved.
3. Perimeter control shall be in accordance with subsection 208.04

5. DURING CONSTRUCTION

RESPONSIBILITIES OF THE SWMP ADMINISTRATOR DURING CONSTRUCTION

The SWMP should be considered a "living document" that is continuously reviewed and modified. During construction, the following items shall be added, updated, or amended as needed by the SWMP Administrator in accordance with subsection 208.

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

A. STOCKPILE MANAGEMENT: Shall be done in accordance with subsection 107.25 and 208.07

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

C. SAW CUTTING: Shall be done in accordance with subsection 107.25, 208.04, 208.05



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

6. INSPECTIONS

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

7. BMP/CONTROL MEASURE MAINTENANCE

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

8. RECORD KEEPING

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

9. INTERIM AND PERMANENT STABILIZATION

A. SEEDING PLAN

Note: Preserve and protect all landscape areas outside of the project extents. Landscape areas damaged during construction shall be restored to original condition, as acceptable by the owner at the contractor's expense. Landscaped areas within the project extents are to be re-established to match existing conditions. Work shall be paid for as Landscape Maintenance (LS). Reference Landscaping (Match Existing) on SWMP plans.

Locate, identify, disconnect, and seal or cap off irrigation equipment to be removed or abandoned. Prior to demolition, contact Colorado Utility Locator (811).

Soil preparation, soil conditioning or topsoil, seeding (native), mulching (weed free) and mulch tackifier will be required for an estimated 10.2 acres of disturbed area within the right-of-way limits which are not surfaced. The following types and rates supplied by County staff shall be used:

COMMON NAME	BOTANICAL NAME	PERCENT	LBS. PLS PER ACRE
Side Oats Grama	Bouteloua curtipendula (Vaughn)	15%	2.74
Blue Grama	Bouteloua gracilis (Native, Alma, or Hachita)	20%	0.84
Buffalograss	Buchloe dactyloides (Native)	15%	9.33
Western Wheatgrass	Pascopyrum smithii (Arriba)	12.5%	3.96
Western Wheatgrass	Pascopyrum smithii (Native)	12.5%	3.96
Little Bluestem	Schizachyrium scoparium (Cimarron or Pastura)	13%	1.74
Green Needlegrass	Stipa viridula (Lodorm or Pastura)	12%	2.31
TOTAL		100%	24.88

B. SEEDING APPLICATION: Drill seed 0.25 inch to 0.5 inch into the soil. In small areas not accessible to a drill, hand broadcast or hydroseed at double the rate and rake 0.25 inch to 0.5 inch into the soil per subsection 212.

C. MULCHING APPLICATION: Apply a minimum of 2 tons of certified weed free hay or 2 1/2 tons of certified weed free straw per acre and in accordance with Section 213, and mechanically crimp it into the soil in combination with an organic mulch tackifier.

1. Prior to winter shutdown or the summer seeding window closure: Uncompleted slopes shall be mulched with 2 tons of mulching (weed free) per acre, mechanically crimped into the topsoil in combination with an organic mulch tackifier per subsections 208 and 213.

D. SPECIAL REQUIREMENTS:

1. Due to high failure rates, hydroseeding will not be allowed for permanent stabilization.

E. SOIL CONDITIONING AND FERTILIZER REQUIREMENTS: Minimum requirements for all disturbances to receive seeding (native).

Soil conditioner paid for as Item 212- Soil Conditioning (Acre)		
Biological nutrient organic based fertilizer (lbs/acre)*	Humate (lbs/acre)	Compost (cys/acre) All areas <2:1
300	200	65

*Biological nutrient shall not exceed 8-8-8 (N-P-K).

Humate based material shall be in accordance to Standard Special Provision 212 and compost shall be in accordance to Standard Special Provision 212.

F. SOIL RETENTION COVERING: On slopes and ditches requiring a blanket or turf reinforcement mat (trm), the blanket/trm shall be placed in lieu of mulch and mulch tackifier and placed after seeding (native). See SWMP site map for blanket/trm locations.

G. RESEEDING OPERATIONS/CORRECTIVE STABILIZATION

Prior to partial acceptance.

- All seeded areas shall be reviewed during the 14 day inspections by the SWMP Administrator 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.
- The Contractor shall maintain seeding/mulch/tackifier/blanket/TRM, mow to control weeds or apply herbicide to control weeds in the seeded areas until Partial Acceptance of the stormwater construction work.

10. PRIOR TO PROJECT FINAL ACCEPTANCE

- Partial Acceptance shall be in accordance with subsection 107.25 (d), 208.10 and 214.04 at the Partial Acceptance of the project, it shall be determined by the SWMP Administrator and the Engineer which temporary BMPs/Control Measures shall remain until 70% revegetation is established or which shall be removed.
- At the end of the project, all ditch checks shall either consist of temporary erosion logs (or equivalent) or permanent rip-rap.
- All storm drains shall be cleaned prior to the Final Acceptance of the project. Work shall be included in 202 Clean Culvert.



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11. NARRATIVES:

A. ADDITIONAL BMPS/CONTROL MEASURES AND NARRATIVES:

BMP/Control Measure details and narratives not covered by the SWMP or Standard Plan M-208, M-216 shall be added to the SWMP notebook by the SWMP Administrator.

The SWMP Administrator for Construction is required to update the site maps during construction. The location of BMP's shall be adjusted as needed based on construction activities.

BMPs shall be dependent on time of year and phase of construction.

BMP's are not drawn to scale and are approximate. Contractor has authority to adjust BMPs and update plans accordingly in consultation with the SWMP Administrator for Construction.

BMP's must be established prior to any construction activities and must remain in place during construction activities. All BMP's, staging areas, and concrete washouts are to be located within the right of way. Staging area, debris, equipment, materials, concrete washouts, portable toilets and other potential pollution sources are not to be located within or near flowlines, inlets, outfalls, floodplains, or ditches. Contractor must maintain driveway access. Interim BMP's can be removed once surfaces have been repaired or established per final plan. Erosion logs/aggregate bags directly surrounding the construction areas may be temporarily removed during the time of construction to allow access to the area but must be re-established on a daily basis prior to the end of construction activities for the day.

All construction debris must be controlled throughout the project to prevent sediment, concrete saw water, concrete dust, etc. from entering inlets or leaving the immediate area. This includes but is not limited to daily clean-up of construction debris, sediment, and trash from surfaces and equipment, placing erosion logs at saw cut lines during cutting and around excavation to avoid transport of sediment, and placing erosion logs around soil surfaces exposed during construction. Clean up is to be included in the cost of the work and for erosion logs, in the cost of the BMP.

The contractor is responsible for inspecting BMP's, embankments, wetlands, ditches, and grading after each rainfall event to clear debris and maintain/repair BMP's.

Any fencing along the ROW or easements which is not within grading limits that is impacted by construction activities must be replaced after completion of grading, conditioning and seeding and prior to completion of the project. Work shall be paid for as included in the price of work.

Vehicle tracking pads and concrete washouts are essential BMP's and will be strategically located along the construction corridor.

Perimeter control for this project shall be maintained for the duration of the project. Prior to construction commencing erosion control logs, aggregate bags, silt fence and/or temporary berms shall be placed around the project perimeter as depicted in the SWMP. Once areas of grading are complete apply seed, mulch/mulch tackifier or blanket, and erosion logs per the plans. Perimeter controls are defined in initial SMWP plans and must be maintained throughout the project until final seeding/revegetation has been established. Perimeter controls for the project are as follows, including but not limited to:

- Existing Landforms, Existing Vegetation/Vegetative Buffer Strips, and Erosion Logs parallel to the roadways.
- Existing pavement and sidewalks.

All slope control and wetland protection BMP's (temporary berms, erosion logs) in the project area shall remain in place and be maintained until seeding has been established to prevent negative impacts to the ditches and wetlands.

EROSION LOGS/AGGREGATE BAGS – Erosion logs are used to capture and filter sediment laden run-off from disturbed areas during construction. Logs shall be placed on a prepared soil bed so that after placement no gaps are present between the soil/ground and log. Erosion logs shall be placed at

locations indicated in the plans, and as directed to prevent sediment from exiting the project site, entering drainage structures, and to protect slopes. Staked erosion logs are preferred on soil surfaces. Aggregate bags are preferred on concrete or asphalt surfaces or in areas that need to be frequently accessed during construction (ie driveways, sawcuts)) as they can be moved and replaced more easily. Aggregate bags which are moved must be moved back to or replaced at the original location at the end of each day, ensuring they are tightly abutted and in contact with the ground to prevent water from bypassing the bags. Erosion logs were used in lieu of silt fence and erosion bales where possible. Temporary berms and silt fence may be used in place of erosion logs on soil surfaces.

For applications at the base of or on slopes as slope protection, it shall be placed on the contour; ends shall be j-hooked to prevent water from running around the ends. Erosion logs used at toe of slope shall be placed prior to earth work disturbance occurring. Erosion logs shall be placed between 5 -10' beyond toe of slope to provide storage capacity if possible. Erosion logs shall be used at the top of slopes and at transitions between paved surfaces or structures and soil as indicated in the plans to prevent erosion due to sheet flow and prevent sediment laden water from covering paved surfaces.

The proposed grading within roadside ditches is expected to be minimal. If grading or major disturbance of the roadside ditches does occur, SRB and/or TRM shall be used to line ditches to control erosion. Reference BMP Matrix, CDOT Special Provision Section 216, CDOT Standard Plan No. M-216-1 and CDOT Erosion Control & Stormwater Quality Guide Chapter 5.

Use of aggregate bags is expected around surfaced areas where sediment control is needed immediately adjacent to construction work (for example around sawcutting, during driveways construction, adjacent to ditches). The locations are not detailed on the plans. SWMP administrator shall add locations to SWMP as needed.



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BMP Matrix:

1. M-Standards have been included along with standard BMP narratives. If a Non-Standard BMP will be used or the standard narrative does not apply, the SWMP Administrator shall write a Non-Standard BMP narrative, place an "X" in the column and complete a Non-Standard BMP Specification and Narrative for the SWMP notebook.
2. The SWMP Administrator shall place an "X" in the column In Use on Site when the BMP/Control Measure has been installed.
3. Place an "X" in the column BMP/Control Measure to be located by SWMP Administrator if the SWMP Administrator shall locate the BMP/Control Measure during construction. These BMP/Control Measures are not currently located on SWMP Plans but are anticipated to be used during construction (i.e. Vehicle Tracking Pad, Batch Plants, etc.). The SWMP Administrator shall locate these prior to or during construction and reflect on SWMP Map.
4. Place an "X" in the column Installation BMP/Control Measure Pre-Construction if the BMP/Control Measure is to be installed prior to construction activity.

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

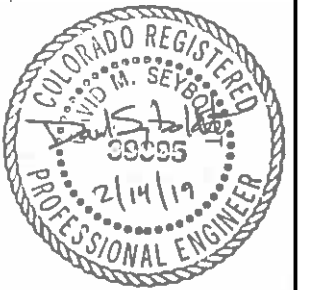
APPLICATION, BMP/CONTROL MEASURE	NARRATIVE	M-STANDARD/NON-STANDARD	IN USE ON SITE	BMP/CONTROL MEASURE TO BE LOCATED BY SWMP ADMINISTRATOR	INSTALLATION BMP/CONTROL MEASURE PRE-CONSTRUCTION	BMP/CONTROL MEASURE PHASING		
						FIRST/INITIAL CONSTRUCTION ACTIVITIES	INTERIM CONSTRUCTION ACTIVITIES	PERMANENT STABILIZATION
<p>PROTECTION OF EXISTING WETLANDS Fence (plastic) and erosion logs</p>	<p>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.</p> <p>Prior to construction commencing, the existing wetlands shall be flagged and fence (plastic) and erosion logs shall be placed as indicated in the plans and as directed. Due to grading impacted wetlands, the location of fence (plastic) and erosion logs used to protect existing wetlands should be adjusted by the contractor and SWMP Administrator for Construction to minimize impact to the wetlands throughout the project in coordination with construction phasing. The location of the wetlands at the project limits requires that the BMP's to protect the wetlands (fence (plastic) and erosion logs) be maintained as perimeter controls as well throughout the project until final seeding is established. The Contractor shall not stage in wetland or riparian areas. The Contractor is responsible to protect wetlands during construction in impacted areas through perimeter controls above and through diversion of water and/or dewatering during pipe removal, placement and grading. Recommended BMP are diversions, dewatering and ensuring equipment is cleaned.</p>				X	X	X	
<p>PROTECTION OF EXISTING TREES/LANDSCAPING Fence (plastic)</p>	<p>Fence (plastic) shall be used in areas indicated in the plans to prevent encroachment of construction traffic and sediment for the protection of mature trees and/or existing landscaping prior to start of construction disturbances.</p> <p>There is no protection of existing trees on this project as existing trees within the ROW are expected to be removed prior to the start of the project.</p>			X	X			



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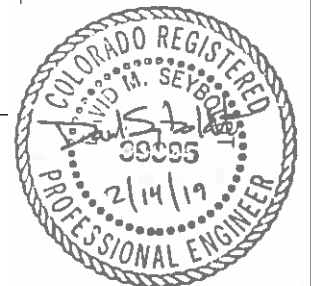
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APPLICATION, BMP/CONTROL MEASURE	NARRATIVE	M-STANDARD/NON-STANDARD	IN USE ON SITE	BMP/CONTROL MEASURE TO BE LOCATED BY SWMP ADMINISTRATOR	INSTALLATION BMP/CONTROL MEASURE PRE-CONSTRUCTION	BMP/CONTROL MEASURE PHASING		
						FIRST/INITIAL CONSTRUCTION ACTIVITIES	INTERIM CONSTRUCTION ACTIVITIES	PERMANENT STABILIZATION
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 mature trees and/or existing landscaping prior to start of construction disturbances. There is no protection of existing trees on this project as existing trees within the ROW are expected to be removed prior to the start of the project.			X	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. Erosion log ditch checks shall be placed on top of SRB in ditches specified to have SRB in the SWMP plans. Ditches not directed to have riprap or SRB placed shall be permanently stabilized within 48 hours of completion during the seeding season. When seeding cannot occur due to seasonal constraints mulch/mulch tackifier shall be placed along with checks at intervals specified. If erosion occurs in ditch, mulch and mulch tackifier shall be replaced by a blanket (straw/coconut) as a temporary measure. Once seeding can occur blanket shall be removed and disposed of and new BMPs (logs, blanket, mat or mulch/mulch tackifier) shall be placed. Ditch checks in plans are spaced based on 12" diameter and due to erosive soil, the spacing has been decreased by an additional factor of 0.8 to 0.75. If other diameter log is used, SWMP Administrator for Construction shall update spacing requirements per Chapter 5, EC 9 and SC 2 of CDOT's Erosion Control and Stormwater Quality. As guidance, the following spacing was used and based on 12" diameter logs in the SWMP plans. <ul style="list-style-type: none"> • = or < 1% - Every 100 ft • 1% - Every 100 ft • 2% - Every 50 ft • 3% - Every 33 ft • 4% - Every 25 ft • > or equal to 5% - Every 20ft 	M-208				X	X	X
TYPE R AND TYPE 16 INLET PROTECTION <i>Storm drain inlet protection (Type 1, 2 and 3)</i>	Placed prior to construction disturbances as detailed in M-208-1, to protect existing inlets or immediately upon completion of new inlets to prevent sediment from entering the inlet throughout construction.	M-208						
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 start of construction disturbances. For new inlets, logs shall be placed once the culvert is in place to prevent sediment laden water from entering pipe. Where the slope has been worked above new and/or existing pipes (inlet/outlet) and sediment may enter the pipe from above, a log shall wrap the top of pipe or pipe headwall and run down slope to direct water away from pipe. Logs shall be j-hooked or placed in such a manner at these locations that sediment laden water will not go around the ends of logs directly in to pipe or ditch. Inlet protection shall not be placed in channels/ditches with continuous flow.	M-208			X	X	X	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 start of construction disturbances.	M-208						



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APPLICATION, BMP/CONTROL MEASURE	NARRATIVE	M-STANDARD/NON-STANDARD	IN USE ON SITE	BMP/CONTROL MEASURE TO BE LOCATED BY SWMP ADMINISTRATOR	INSTALLATION BMP/CONTROL MEASURE PRE-CONSTRUCTION	BMP/CONTROL MEASURE PHASING		
						FIRST/INITIAL CONSTRUCTION ACTIVITIES	INTERIM CONSTRUCTION ACTIVITIES	PERMANENT STABILIZATION
STOCKPILE PROTECTION Temporary berm, erosion logs, aggregate bags*	Placed within specified distance, in accordance with subsection 208.06, from toe to contain sediment around stockpile. *Aggregate bags are easily moved and replaced for access during the work day. Place prior to start of stock pile, increase control as stock pile increases size. Storage and stockpiling areas for materials and fill require perimeter controls around entire perimeter. For fill left undisturbed for more than 14 days or in cases of severe weather (i.e. rain, snow, wind), cover with Soil Retention Blanket or other BMP to prevent erosion. Staging and stockpiling of materials and fill shall be done as far as possible from the river, wetland areas and irrigation ditches. Placement to be determined by contractor and SWMP Administrator for Construction and the plans updated accordingly by SWMP Administrator for Construction.	M-208		X			X	
TOE OF FILL PROTECTION Erosion logs, temporary berm, silt fence, topsoil windrow*	Place prior to slope/embankment work to capture sediment and protect and delineate undisturbed areas. *Can be used to stockpile topsoil for salvage. Toes of fill/slopes shall be protected by a BMP (silt fence, temporary berm, or erosion log/aggregate bags as depicted on the SWMP). Slopes still being worked daily shall be left in a roughened condition at the end of the day. If drainage from the roadway is directed towards new, incomplete slopes, tops of slopes shall be protected by placing a berm or other BMP as directed at the end of the day.	M-208			X	X	X	
PERIMETER CONTROL Erosion logs, silt fence, temporary berm, topsoil windrow*	Placed prior to construction commencing to address potential run-on water from off site, and to divert around disturbed area. *Can be used to stockpile topsoil for salvage. Prior to construction commencing erosion control logs, aggregate bags, silt fence and/or temporary berms shall be placed around the project perimeter as depicted in the SWMP.	M-208			X	X	X	
SEDIMENT CONTROL/ SLOPE CONTROL Silt fence, erosion logs	Placed on the contour of a slope to contain and slow down construction runoff. Place prior to start of construction disturbances. Slopes still being worked daily shall be left in a roughened condition at the end of the day. If drainage from the roadway is directed towards new, incomplete slopes, tops of slopes shall be protected by placing a berm or other BMP as directed at the end of the day.	M-208					X	
TEMPORARY SEDIMENT TRAP (SWMP Administrator shall add locations to SWMP site maps)	Used to capture sediment laden runoff from disturbed areas < 5 acres during construction. Place prior to start of construction disturbances.	M-208						
PERMANENT SEDIMENT BASIN Extended detention basin or other Permanent Water Quality features	Constructed early in project, prior to storm sewer/ditches to capture storm flow as a temporary sediment trap. Outlet structure shall be modified for contaminants of construction runoff a non-standard detail is needed.							
EMBANKMENT PROTECTION OR TEMPORARY SLOPE DRAIN	Placed as a conduit or chute to drain runoff down slope and to prevent erosion of slope.	M-208						
OUTLET PROTECTION Riprap, or approved other	Material placed as energy dissipater to prevent erosion at outlet structure.							
CONCRETE WASHOUT In-ground or fabricated	Construction control, used for waste management of concrete and concrete equipment cleaning. Place prior to start of concrete activities.	M-208		X	X	X	X	
VEHICLE TRACKING PAD	Source control, placed to prevent tracking of sediment from disturbed area to offsite surface. Place prior to start of construction disturbances. The contractor is responsible for washing of vehicles and areas used for entering and exiting the project site to prevent tracking of mud and silt onto existing paved surfaces.	M-208		X	X	X	X	



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APPLICATION, BMP/CONTROL MEASURE	NARRATIVE	M-STANDARD/NON-STANDARD	IN USE ON SITE	BMP/CONTROL MEASURE TO BE LOCATED BY SWMP ADMINISTRATOR	INSTALLATION BMP/CONTROL MEASURE PRE-CONSTRUCTION	BMP/CONTROL MEASURE PHASING		
						FIRST/INITIAL CONSTRUCTION ACTIVITIES	INTERIM CONSTRUCTION ACTIVITIES	PERMANENT STABILIZATION
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	
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.							
TEMPORARY STREAM CROSSING <i>(SWMP Administrator shall add locations to SWMP site maps)</i>	Constructed over stream or drainage to prevent discharge of pollutants from construction equipment into water.							
CLEAN WATER DIVERSION	Placed to divert clean surface or ground water around disturbance area to prevent it from mixing with construction runoff.							
OTHER								



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NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION



DESIGNED: JRG	CAD: JRG	CHECKED: SKL	DATE: 02/14/2019
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95TH STREET SWMP NOTES	
PROJECT NO: 74030	SHEET NO: 71

NON-STRUCTURAL BMPs/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 BMPs/Control Measures related to construction access and staging.
 BMP/Control Measure locations are indicated on the SWMP site map.

APPLICATION, BMP/CONTROL MEASURE	NARRATIVE	M-STANDARD	IN USE ON SITE	BMP/CONTROL MEASURE TO BE LOCATED BY SWMP ADMINISTRATOR	INSTALLATION BMP/CONTROL MEASURE PRE-CONSTRUCTION	BMP/CONTROL MEASURE PHASING		
						FIRST/INITIAL CONSTRUCTION ACTIVITIES	INTERIM CONSTRUCTION ACTIVITIES	PERMANENT STABILIZATION
VEGETATIVE BUFFER STRIP <i>Fence (plastic)</i>	Filter sediment laden runoff from disturbance area. Area to be identified on SWMP prior to construction starting. Existing vegetation shall be used as a BMP on the project. Existing vegetation aids with erosion and sediment control, and protects water quality. Preserved vegetation are those areas outside of disturbance line to the right of which are not being graded or disturbed. The amount of sediment reaching buffer strips shall be kept to a minimum by placing temporary and permanent erosion control features on disturbed slopes. If sediment does enter buffer strips and covers existing vegetation it shall be cleaned/re-seeded as directed. Sediment in vegetative ditches shall be avoided to prevent sediment laden water from exiting the project site. All vegetative ditch outfalls shall be protected.					X	X	X
LANDFORM <i>(SWMP Administrator shall add locations to SWMP site maps)</i>	Existing landforms may be used as a BMP/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. Where indicated in the plans, existing landforms are used as a BMP. Landforms prevent runoff and sediment from entering or exiting the site. When a landform is present other BMPs may not be necessary. If a landform directs flow of water to a concentrated outfall point, the outfall point shall be protected to prevent erosion and sediment laden water from exiting the limits. If BMPs are needed at outfall point the SWMP Administrator for Construction shall add location, type and appropriate narrative to the plans or SWMP notebook.					X	X	
TOPSOIL MANAGEMENT STOCKPILE/SALVAGE <i>Windrow or stockpile</i>	Prior to embankment work commencing, existing topsoil shall be scraped to a depth of 4 inches, and placed in stockpiles or windrows. Upon completion of slope work/final grading (less 4 inches), topsoil shall be evenly distributed over embankment to a depth of 4 inches. Storage and stockpiling areas for materials and fill require perimeter controls around entire perimeter. For fill left undisturbed for more than 14 days or in cases of severe weather (i.e. rain, snow, wind), cover with Soil Retention Blanket or other BMP to prevent erosion. Staging and stockpiling of materials and fill should be avoided near the existing wetlands, the FMC, the UP&BC, and the South Platte River. Placement to be determined by contractor and SWMP Administrator for Construction and the plans updated accordingly.			X		X	X	
SURFACE ROUGHENING / GRADING TECHNIQUES <i>Blading, Backhoe, Dozing, Combination Loader</i>	Temporary stabilization of disturbance and to minimize wind and erosion. Slopes still being worked daily shall be left in a roughened condition at the end of the day. Grading techniques shall be used for both interim and temporary stabilization of all disturbance areas and to minimize the potential for wind and water erosion. All areas that have been cleared and grubbed shall be left in a roughened state in addition to having any necessary temporary BMPs in place until final grading, paving and/or guard rail/cable barrier installation and permanent seeding is complete. Soil binder is also recommended to prevent windblown soil erosion.			X			X	



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SEEDING (TEMPORARY)	Temporary stabilization used for over wintering of disturbance or used to control erosion for areas scheduled for future construction.								
BONDED FIBER MATRIX/HYDRAULIC MULCH	Not to be used in areas of concentrated flows, i.e. ditch lines. To be used in combination with surface roughening for temporary stabilization of disturbed soils, when work is temporarily halted and as approved by the Engineer. May be used as surface cover for temporary topsoil stockpiles								
MULCH/MULCH TACKIFIER	Temporary or Final 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. Mulch and mulch tackifier shall be in accordance with CDOT subsection 213.03. Crimping in ditch lines shall follow the contour, crimp rows running down a ditch line shall not be allowed. Spray on mulch blanket with high application rate is preferred over fiber matrix for short term applications.							X	X
SPRAY-ON MULCH BLANKET (Not to be used in areas of concentrated flows, i.e. ditch lines.)	Temporary or Final 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. Spray-on mulch blanket is used to stabilize erodible stockpiles that may be in place for an extended period of time or may be used in lieu of mulch/mulch tackifier or blanket in seeding operations. Spray-on mulch blanket can be used in small disturbed areas requiring seeding when crimping of mulch will be difficult.								
SEEDING PERMANENT (NATIVE)	Final Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas. Drill seeding shall occur on slopes flatter than 2:1 and shall occur on the contour of the slope. Completed areas (any portion of a slope that is at final grade) shall be seeded within 48 hours during seeding seasons. Seeded areas shall be inspected frequently for areas of failure. Slopes that are too steep for drill seeding shall be inspected frequently for areas of failure. Slopes that are too steep for drill seeding shall have seed broadcast at double the rate and raked into the surface. Seeding in ditch lines shall follow the contour, drill rows running down a ditch line shall not be allowed. If during the seeding season and top of slopes are adjacent to paving operations the entire slope shall be seeded, per Section 9 of the SWMP. When the Engineer approves, the top portion of the slope (approx. 15') can remain unseeded for paving operations to occur. Once paving operations are completed in an area, shouldering shall occur immediately. Seeding per Section 9 of the SWMP shall then take place within 48 hours. Slopes that had been previously seeded and were disturbed by paving/shouldering operations shall be re-seeded at no additional cost to the project.								X
SOIL RETENTION BLANKET (SRB)	Final Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas. Shall be placed in areas as shown on the plans or as directed, immediately in most cases after grading has been completed. All slopes steeper than 3:1 shall receive soil retention blanket. Typically ditches that have a grade steeper than 1% shall have blanket placed. Ditches that have a grade steeper than 2% shall have TRM placed. Soils and slopes shall be properly prepared prior to placing blanket. In ditches, SRB and TRM must extend above the wetted perimeter of the ditch (>1.5 feet). If rills, plant material, rocks, weeds, etc. are present they shall be removed prior to placing blanket to ensure blanket is placed on the soil with no tenting. Apply SRB and TRM per the appropriate channel (for ditches) or slope application and prior to placement of ditch checks, riprap, or other BMP's located in the same area. Where slope application ends in a ditch, use channel application in the ditch with overlap between the slope and channel application above the wetted perimeter (overlap must be 6 inches roll overlap and staple spacing detailed in CDOT Standard M-208-1). TRM must be covered with Class 1 SRB as detailed in CDOT Standard M-208-1. See CDOT specification and M&S Standards. All SRB must be 100% biodegradable. Class 1 SRB is acceptable for most applications. SRB may be used to stabilize erodible stockpiles that may be in place for an extended period of time.	M-216							X



TURF REINFORCEMENT MAT (TRM)	Final 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. Ditches that have a grade steeper than 2% shall have TRM placed. Soils and slopes shall be properly prepared prior to placing blanket. In ditches, SRB and TRM must extend above the wetted perimeter of the ditch (>1.5 feet). If rills, plant material, rocks, weeds, etc. are present they shall be removed prior to placing blanket to ensure blanket is placed on the soil with no tenting. Apply SRB and TRM per the appropriate channel (for ditches) or slope application and prior to placement of ditch checks, riprap, or other BMP's located in the same area. Where slope application ends in a ditch, use channel application in the ditch with overlap between the slope and channel application above the wetted perimeter (overlap must be 6 inches roll overlap and staple spacing detailed in CDOT Standard M-208-1). TRM must be covered with Class 1 SRB as detailed in CDOT Standard M-208-1. See CDOT specification and M&S Standards.	M-216																X	
OTHER																			

12. TABULATION OF STORMWATER QUANTITIES

- A. BMP/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 BMP/Control Measure maintenance shall be included in the cost of the BMP/Control Measure.
- B. It is estimated that 45 hours backhoe (68-107 horsepower) may be required for miscellaneous erosion control work as directed by the Engineer. Work shall be paid for as: 203 Backhoe.
- C. Establishment of seeded areas shall be paid for as: included in the price of the work. This shall include mowing, weed control, reseeding/mulch/tackifier.

PSP Spec.	Pay Item	Description	Pay Unit	Initial/Interim Const.	Permanent Stabilization	*Total Quantity
203-01510	Backhoe		Hour	45	-	45
207-00205	Topsoil ²		CY	-	5480	5480
208-00002	Erosion Log Type 1 (12 inch) Biodegradable ¹		LF	46300	-	46300
208-00035	Aggregate Bag ¹		LF	1400	-	1400
208-00045	Concrete Washout Structure		Each	4	-	4
208-00070	Vehicle Tracking Pad		Each	5	-	5
208-00103	Removal and Disposal of Sediment (Labor)		Hour	205	-	205
208-00105	Removal and Disposal of Sediment (Equipment)		Hour	205	-	205

13. BIOLOGIC IMPACTS

A. ENVIRONMENTAL IMPACTS:

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

PSP Spec.	Pay Item	Description	Pay Unit	Initial/Interim Const.	Permanent Stabilization	*Total Quantity
	208-00106	Sweeping (Sediment Removal)	Hour	205	-	205
	208-00207	Erosion Control Management (ECM)	Day	205	27	232
	212-00006	Seeding (Native) ²	Acre	-	10.2	10.2
	212-00032	Soil Conditioning ²	Acre	-	10.2	10.2
	213-00004	Mulching (Weed Free Straw) ²	Acre	-	10.2	10.2
	213-00061	Mulch Tackifier ²	LB	-	2050	2050
	214-00000	Landscape Maintenance	LS	-	1	1
	217-00000	Herbicide Treatment ³	SY	-	2250	2250
	700-70380	Erosion Control	FA	-	-	1

¹Quantity of erosion logs increased by 10% to account for replacement. Quantity is estimated for this submittal.

²Quantity increased by 10% from acreage requiring seeding and mulching to account for unforeseen project conditions.

³Estimated at 5% of total seeded areas.

*It is anticipated that additional BMPs/Control Measures and BMP/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 subsection 208.03 and 208.04. **Quantities for all BMPs/Control Measures shown above are estimated, and have been increased for unforeseen conditions and normal BMP/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 use.

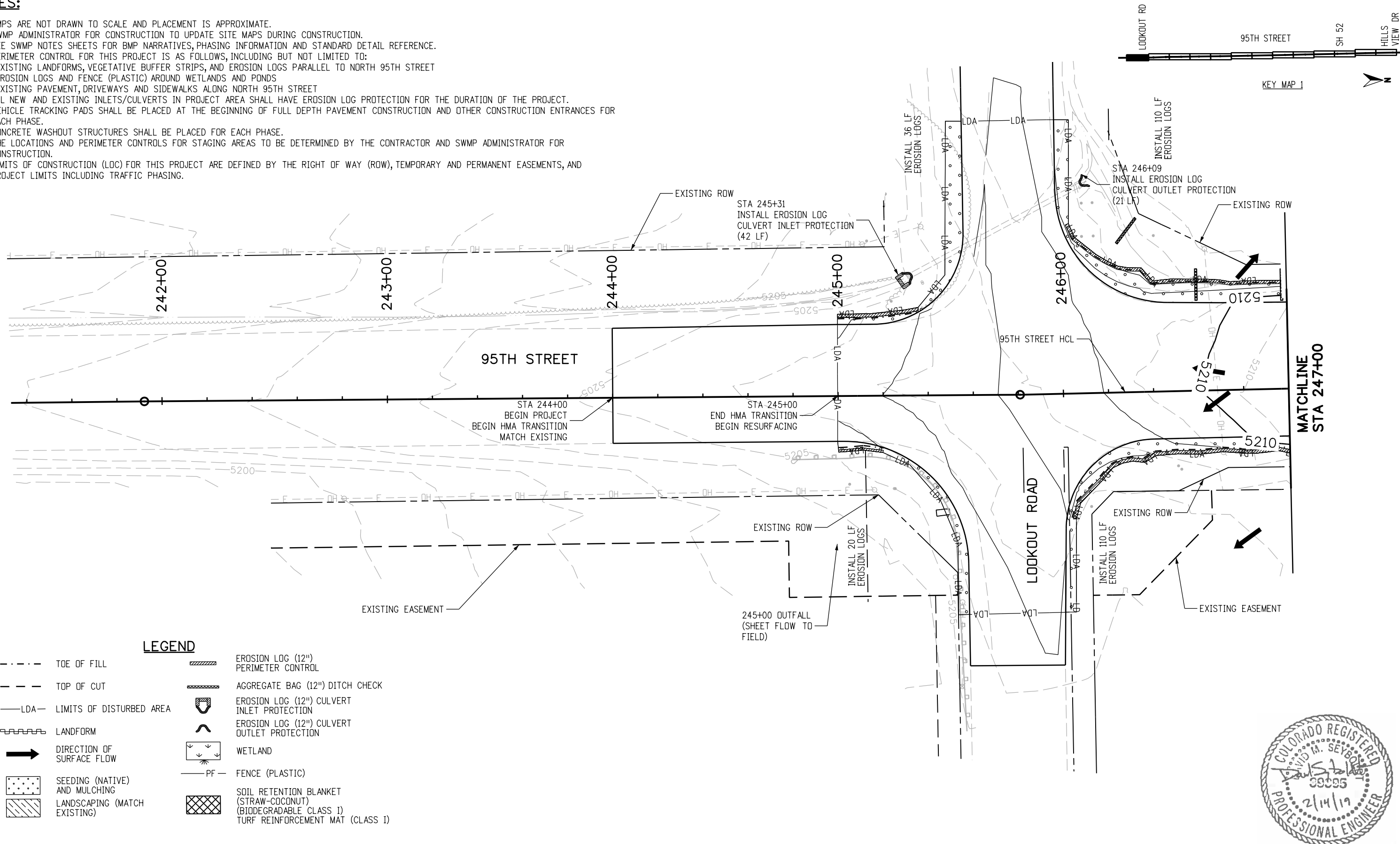
14. NOTES



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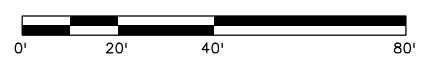
NOTES:

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 - EXISTING LANDFORMS, VEGETATIVE BUFFER STRIPS, AND EROSION LOGS PARALLEL TO NORTH 95TH STREET
 - EROSION LOGS AND FENCE (PLASTIC) AROUND WETLANDS AND PONDS
 - EXISTING PAVEMENT, DRIVEWAYS AND SIDEWALKS ALONG NORTH 95TH STREET
- ALL NEW AND EXISTING INLETS/CULVERTS IN PROJECT AREA SHALL HAVE EROSION LOG PROTECTION FOR THE DURATION OF THE PROJECT.
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NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: JRG	CAD: JRG	CHECKED:	DATE: 02/14/2019
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95TH STREET SWMP PLAN

PROJECT NO: 74030 SHEET NO: 75

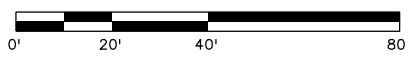
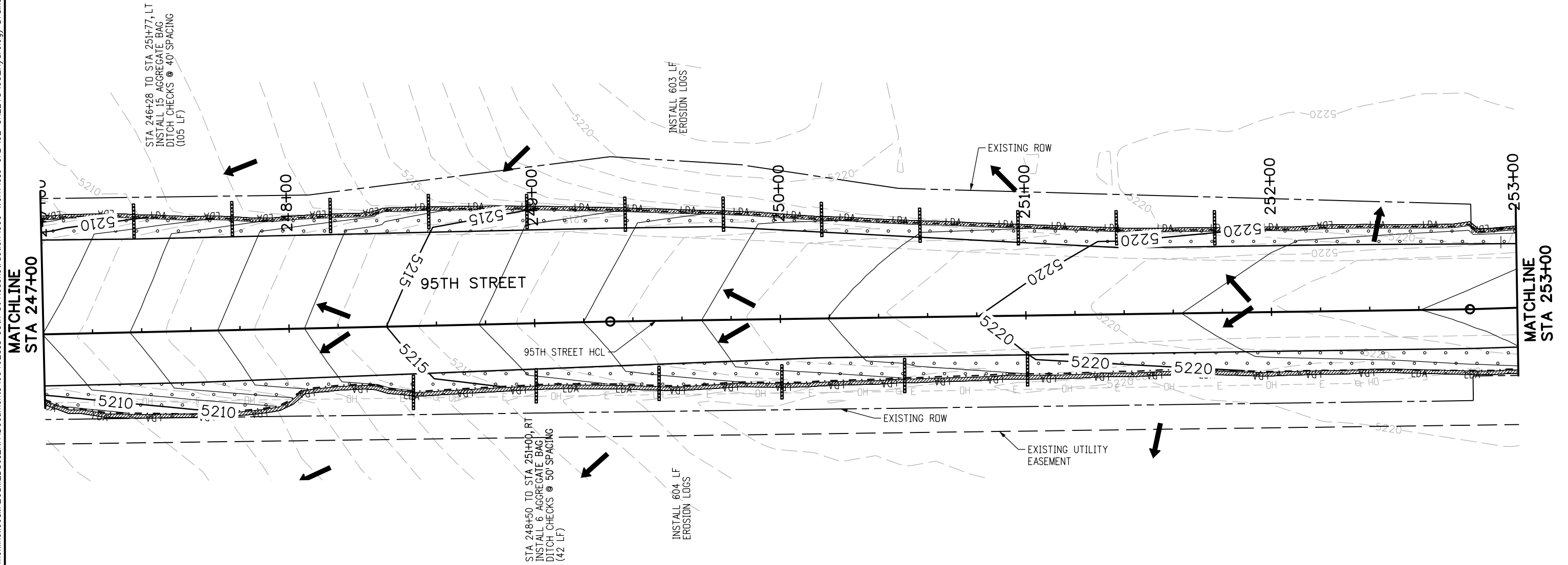
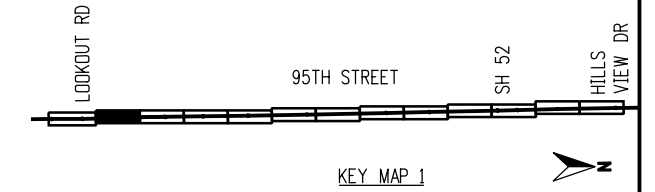
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BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION



DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019
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95TH STREET SWMP PLAN

PROJECT NO: 74030	SHEET NO: 76
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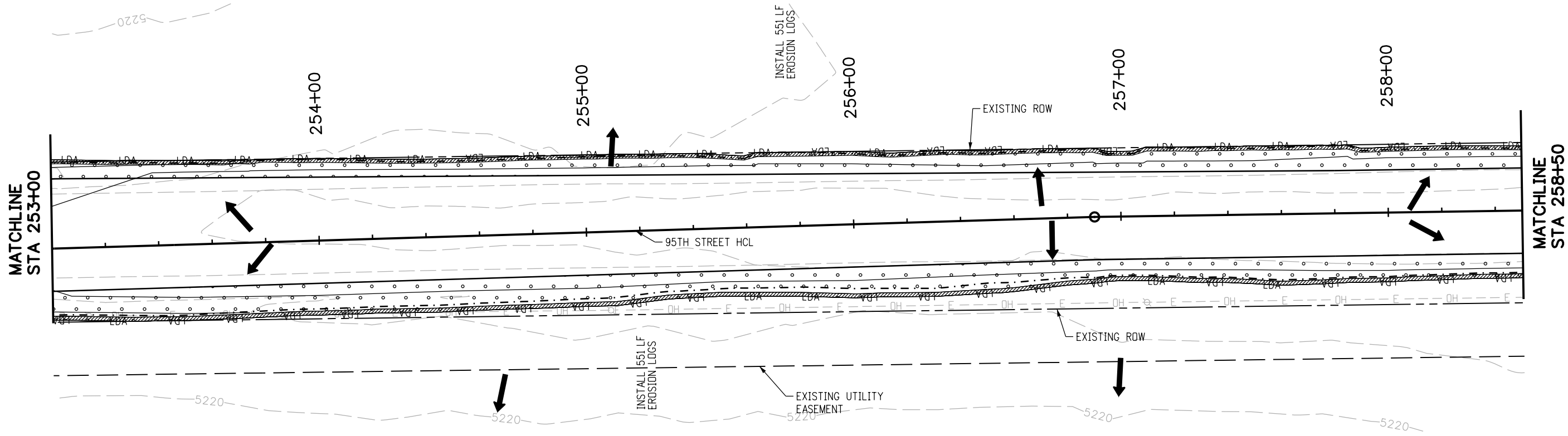
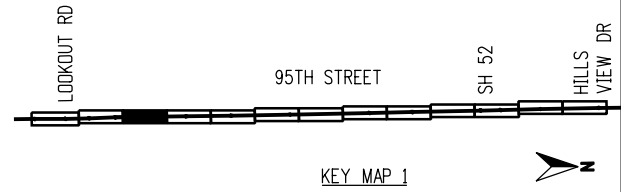
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RFC	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REVISION DESCRIPTION:</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> </tbody> </table>	NO.	DATE	REVISION DESCRIPTION:										<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p>	<p>95TH STREET SWMP PLAN</p>	PROJECT NO: 74030 SHEET NO: 77
NO.	DATE	REVISION DESCRIPTION:															
		DESIGNED: CPF CAD: NSA CHECKED: MRK DATE: 02/14/2019															

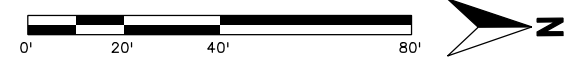
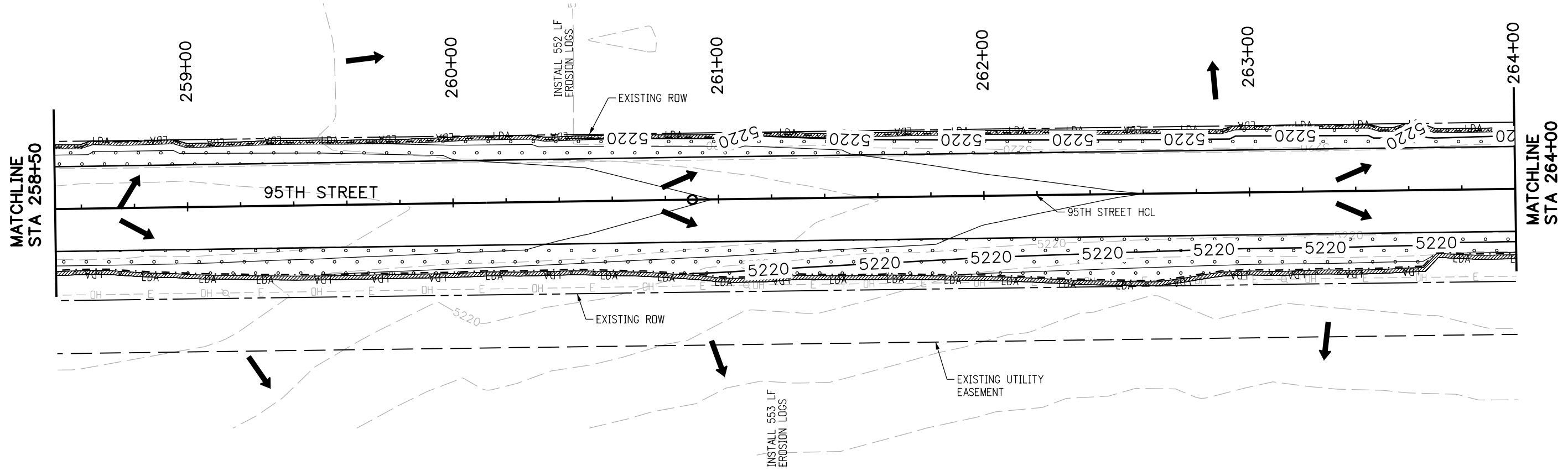
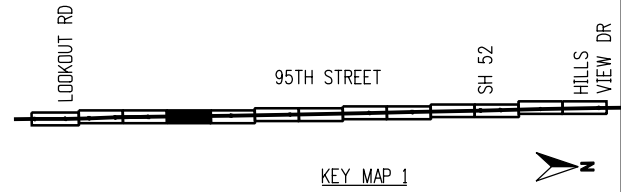
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95TH STREET
SWMP PLAN

PROJECT NO: 74030 SHEET NO: 78

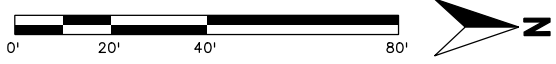
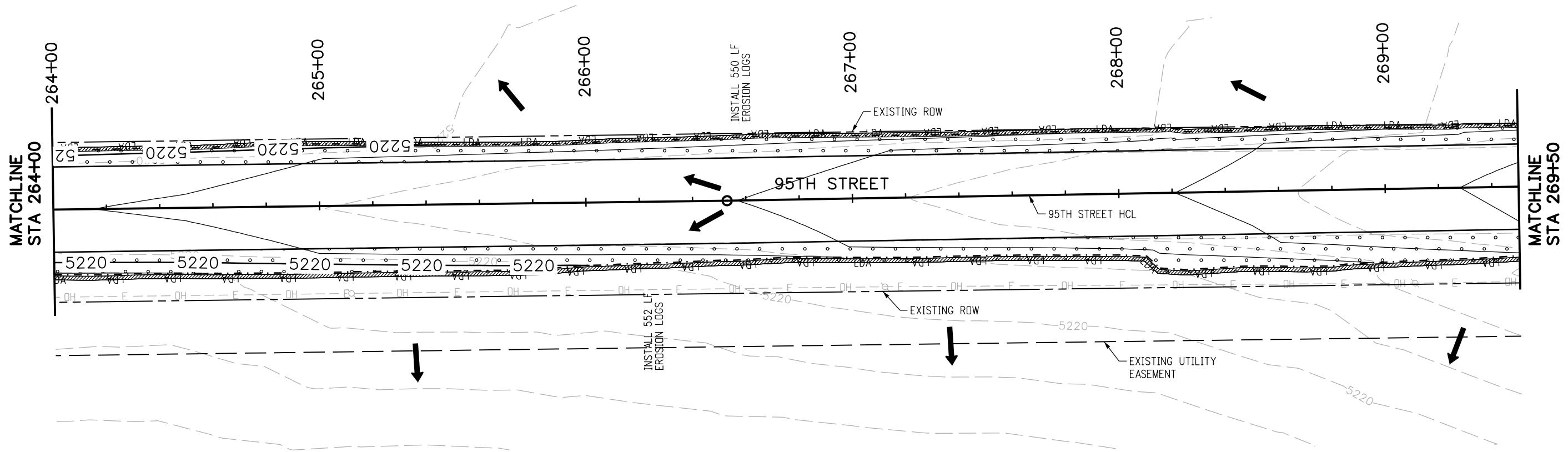
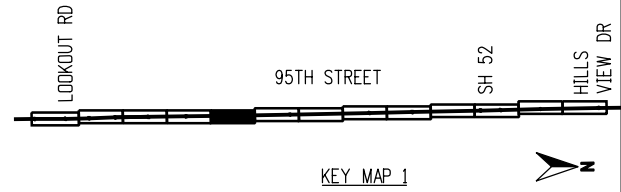
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		REVISIONS:					CPF	NSA	MRK			

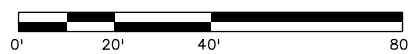
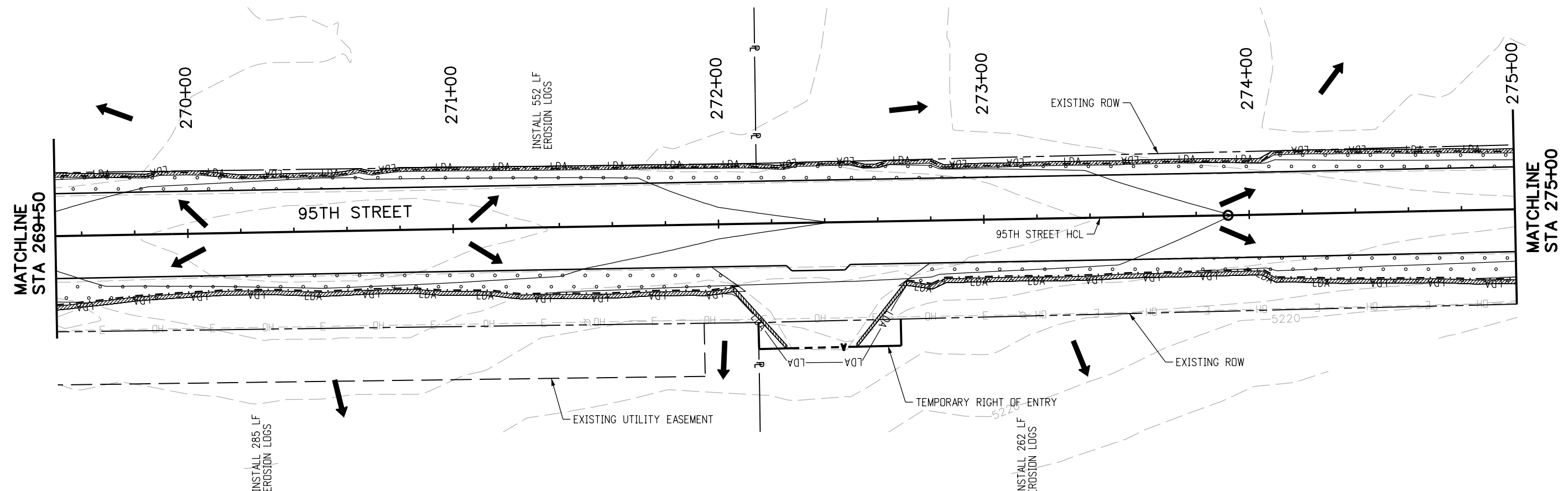
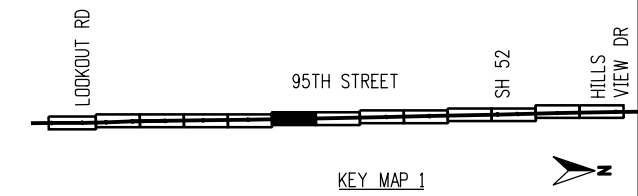
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ENGINEERING DIVISION
AECOM

DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019
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95TH STREET SWMP PLAN
 PROJECT NO: 74030 SHEET NO: 80



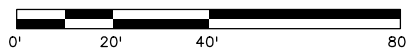
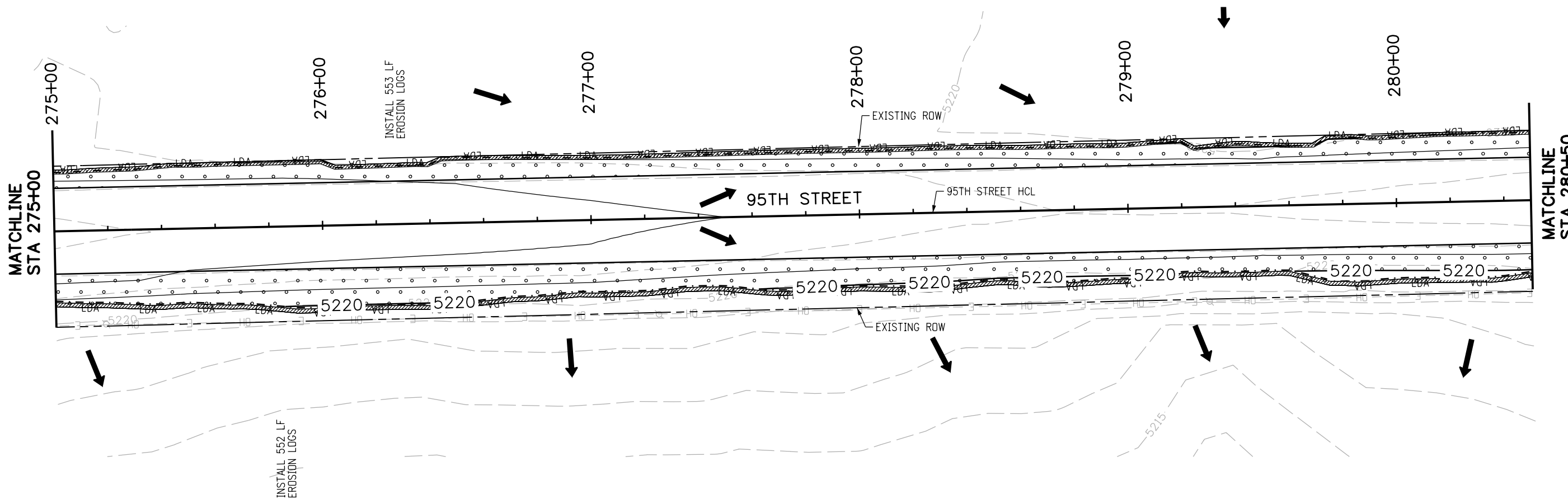
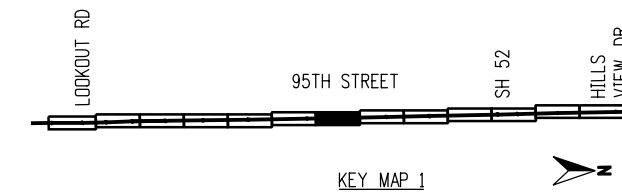
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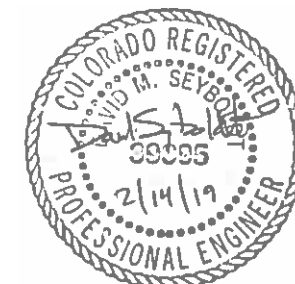
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95TH STREET SWMP PLAN

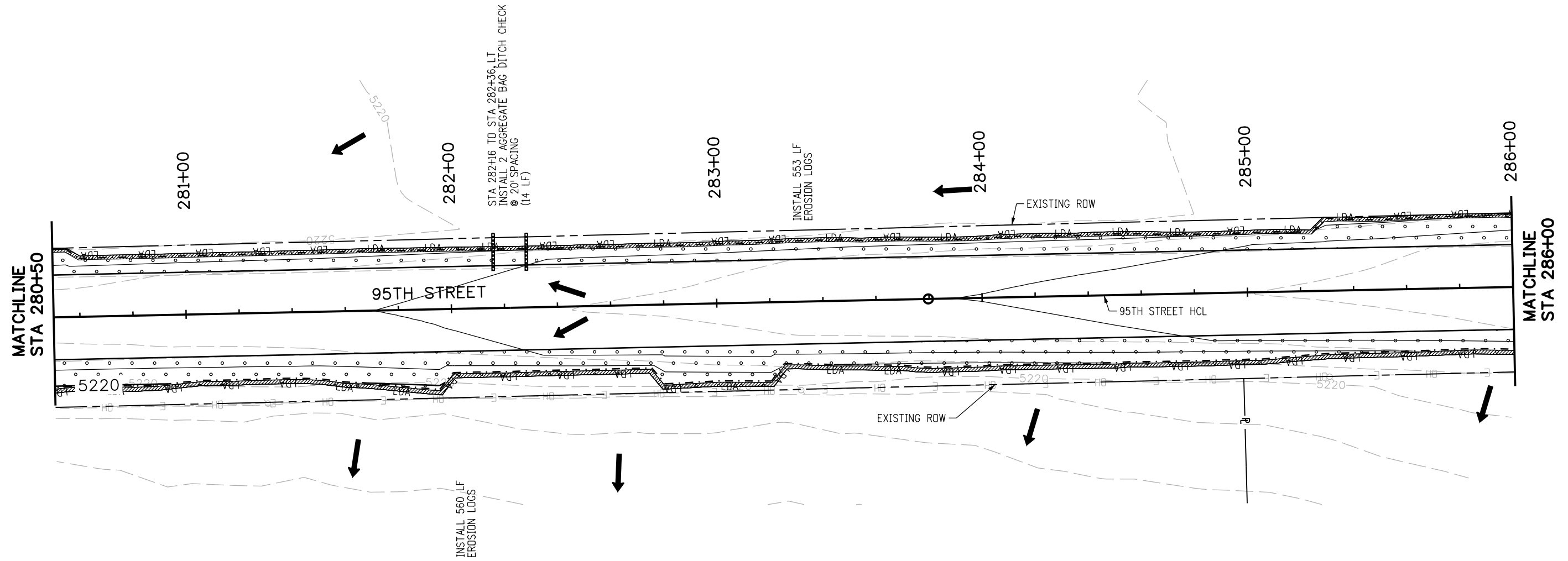
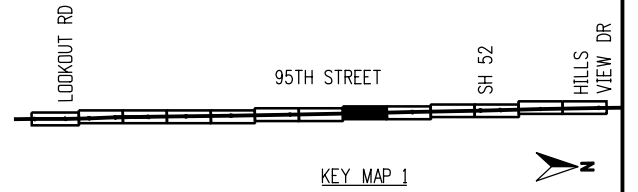
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DESIGNED: CPF CAD: NSA CHECKED: MRK DATE: 02/14/2019

95TH STREET SWMP PLAN

PROJECT NO: 74030 SHEET NO: 82

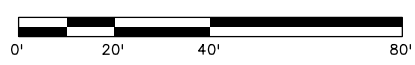
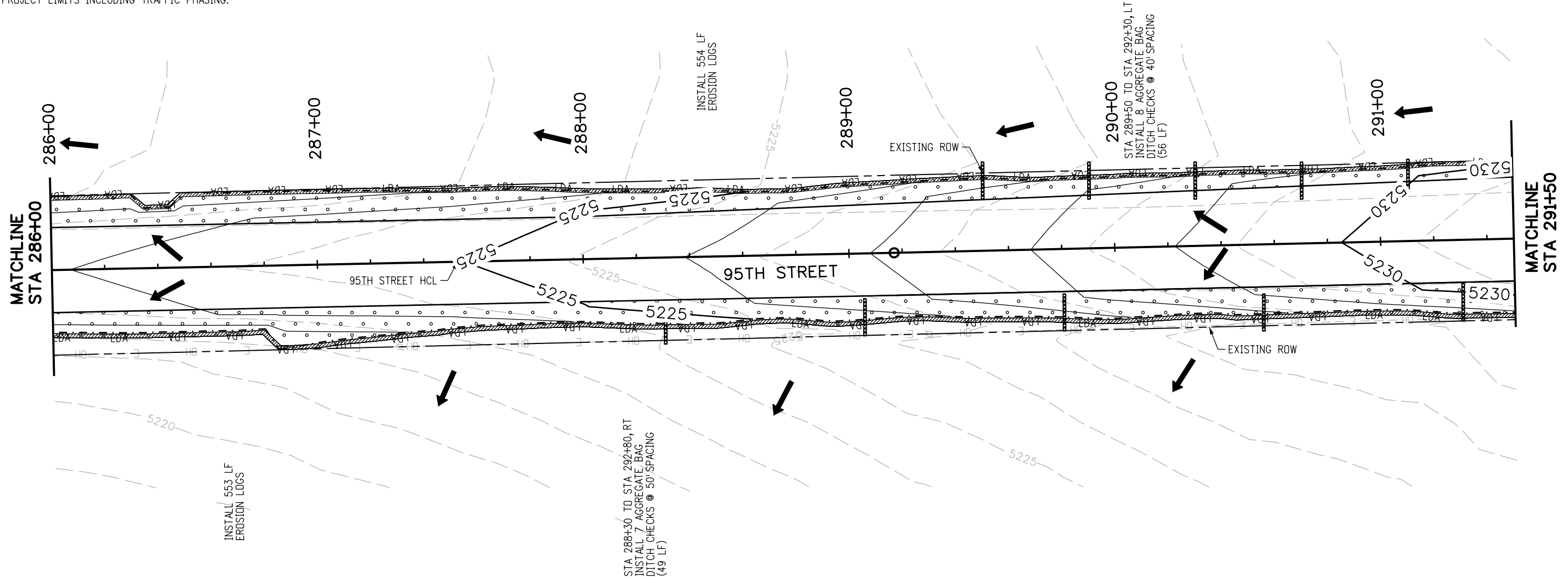
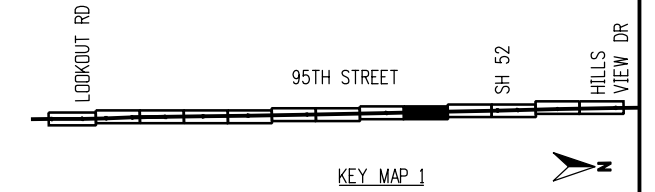
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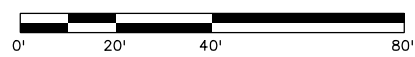
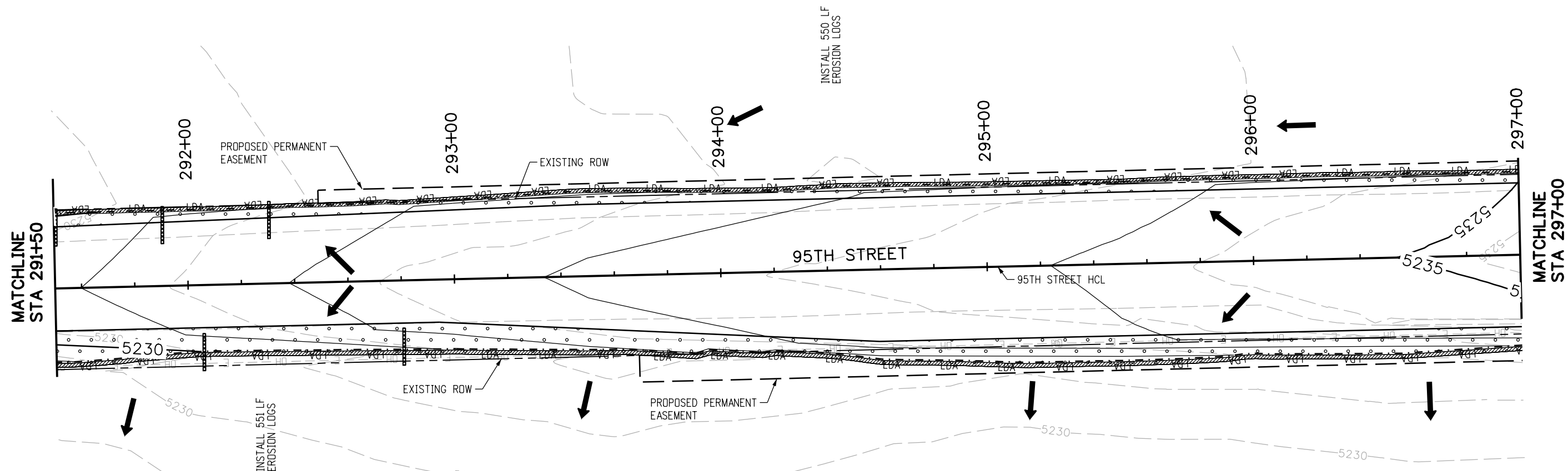
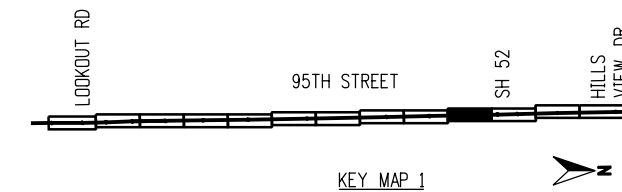
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RFC



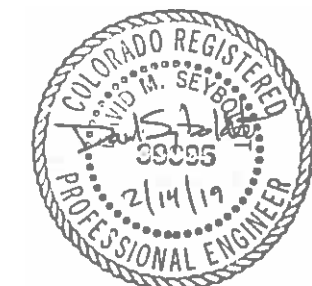
CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019
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95TH STREET SWMP PLAN
 PROJECT NO: 74030 SHEET NO: 84

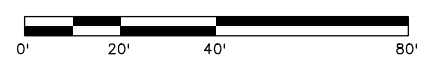
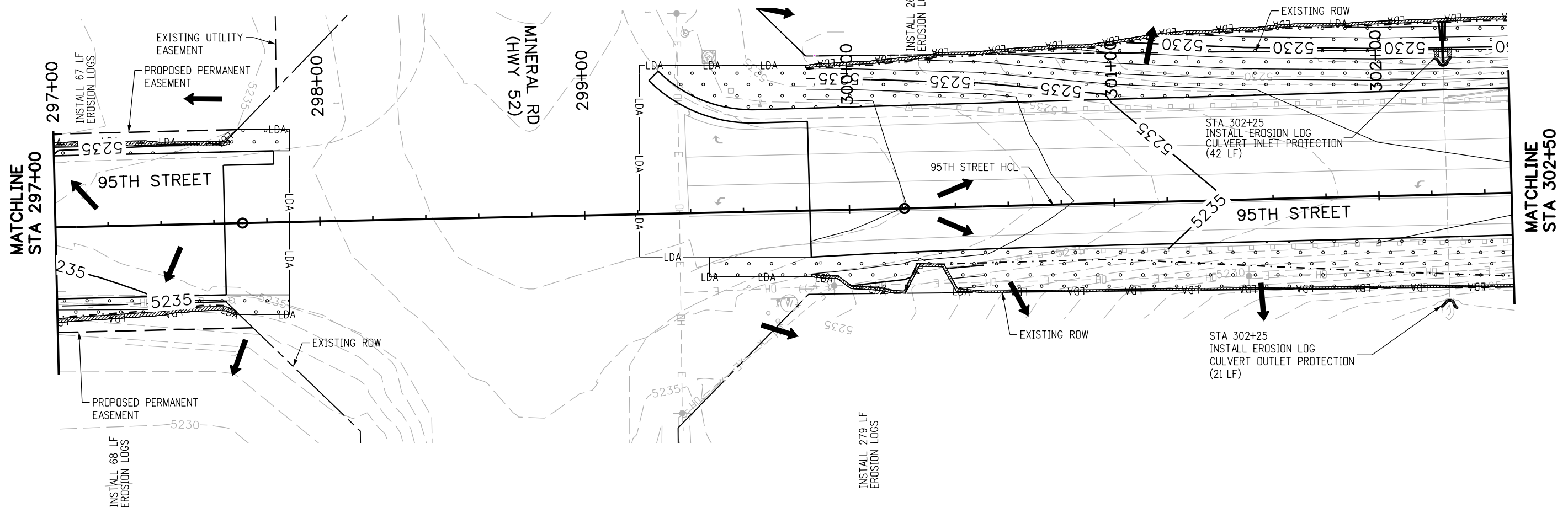
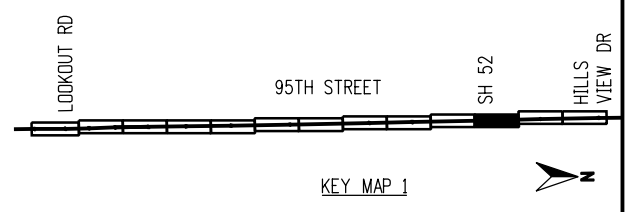
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NOTES:

- BMPs ARE NOT DRAWN TO SCALE AND PLACEMENT IS APPROXIMATE.
- SWMP ADMINISTRATOR FOR CONSTRUCTION TO UPDATE SITE MAPS DURING CONSTRUCTION.
- SEE SWMP NOTES SHEETS FOR BMP NARRATIVES, PHASING INFORMATION AND STANDARD DETAIL REFERENCE.
- PERIMETER CONTROL FOR THIS PROJECT IS AS FOLLOWS, INCLUDING BUT NOT LIMITED TO:
 -EXISTING LANDFORMS, VEGETATIVE BUFFER STRIPS, AND EROSION LOGS PARALLEL TO NORTH 95TH STREET
 -EXISTING LOGS AND FENCE (PLASTIC) AROUND WETLANDS AND PONDS
 -EXISTING PAVEMENT, DRIVEWAYS AND SIDEWALKS ALONG NORTH 95TH STREET
- ALL NEW AND EXISTING INLETS/CULVERTS IN PROJECT AREA SHALL HAVE EROSION LOG PROTECTION FOR THE DURATION OF THE PROJECT.
- VEHICLE TRACKING PADS SHALL BE PLACED AT THE BEGINNING OF FULL DEPTH PAVEMENT CONSTRUCTION AND OTHER CONSTRUCTION ENTRANCES FOR EACH PHASE.
- CONCRETE WASHOUT STRUCTURES SHALL BE PLACED FOR EACH PHASE.
- THE LOCATIONS AND PERIMETER CONTROLS FOR STAGING AREAS TO BE DETERMINED BY THE CONTRACTOR AND SWMP ADMINISTRATOR FOR CONSTRUCTION.
- LIMITS OF CONSTRUCTION (LOC) FOR THIS PROJECT ARE DEFINED BY THE RIGHT OF WAY (ROW), TEMPORARY AND PERMANENT EASEMENTS, AND PROJECT LIMITS INCLUDING TRAFFIC PHASING.

LEGEND

- - - - - TOE OF FILL
- - - - - TOP OF CUT
- LDA— LIMITS OF DISTURBED AREA
- LANDFORM
- ➔ DIRECTION OF SURFACE FLOW
- SEEDING (NATIVE) AND MULCHING
- LANDSCAPING (MATCH EXISTING)
- EROSION LOG (12") PERIMETER CONTROL
- AGGREGATE BAG (12") DITCH CHECK
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- PF— FENCE (PLASTIC)
- SOIL RETENTION BLANKET (STRAW-COCONUT) (BIODEGRADABLE CLASS I)
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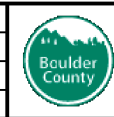


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95TH STREET SWMP PLAN

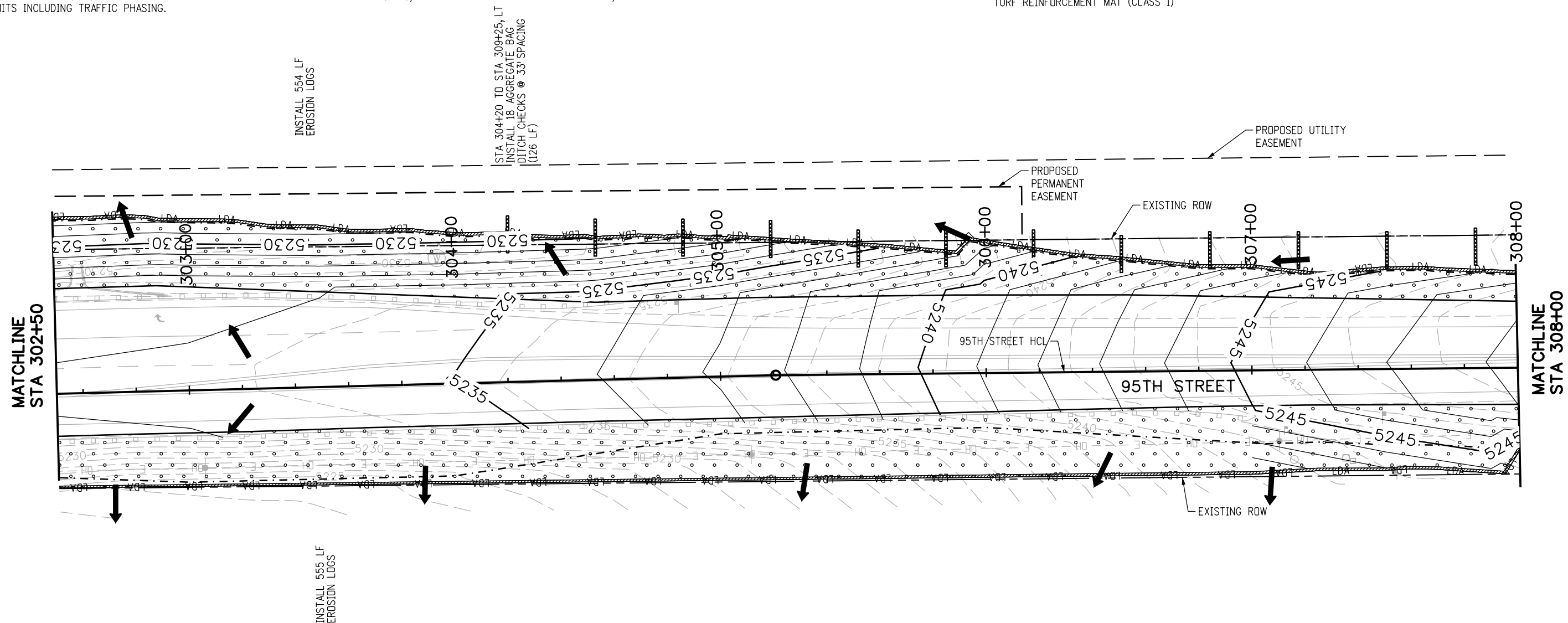
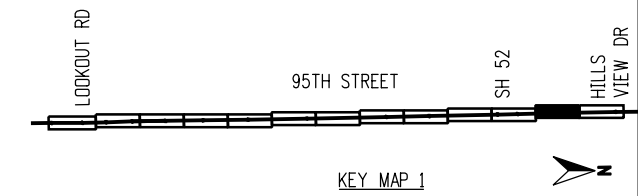
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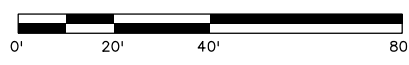
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INSTALL 554 LF EROSION LOGS

STA 304+20 TO STA 309+25, LT
INSTALL 18 AGGREGATE BAG
DITCH CHECKS @ 33' SPACING
(126 LF)

INSTALL 555 LF EROSION LOGS



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95TH STREET SWMP PLAN

PROJECT NO: 74030	SHEET NO: 86
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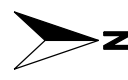
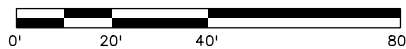
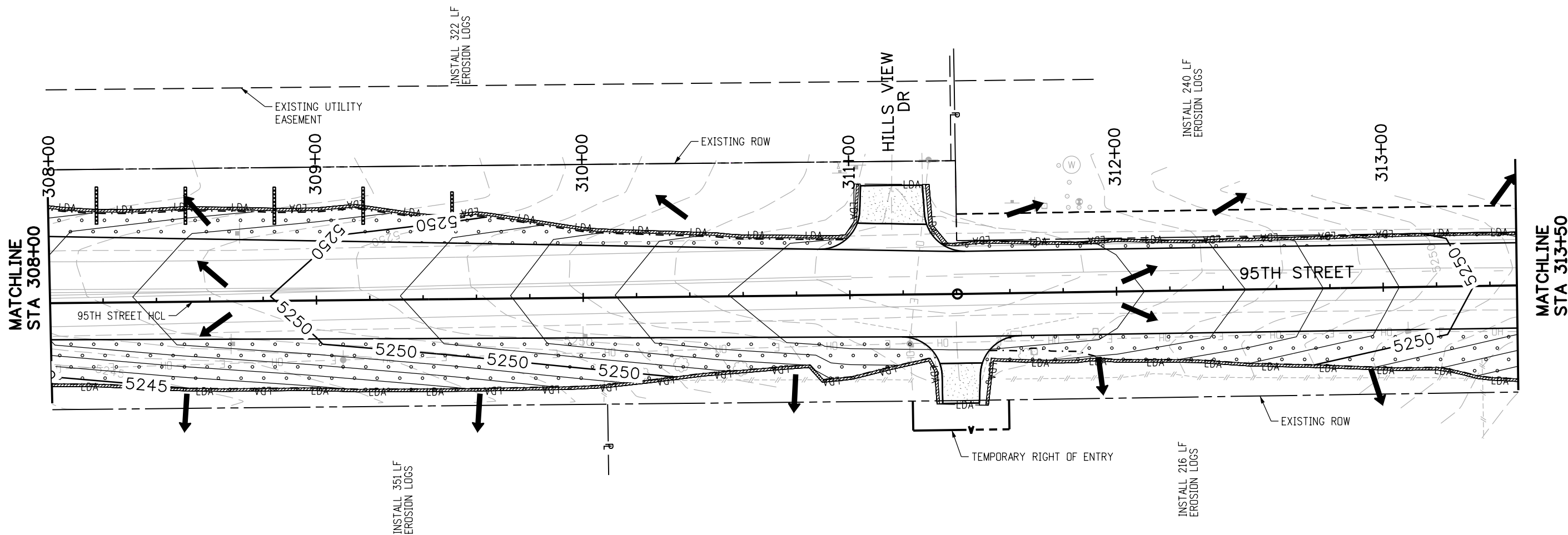
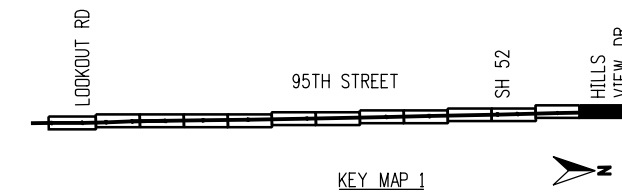
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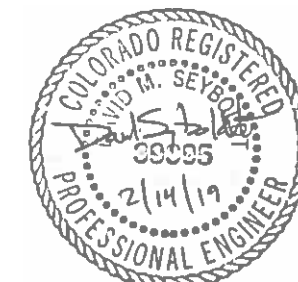
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BOULDER COUNTY TRANSPORTATION DEPARTMENT
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DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019
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95TH STREET SWMP PLAN

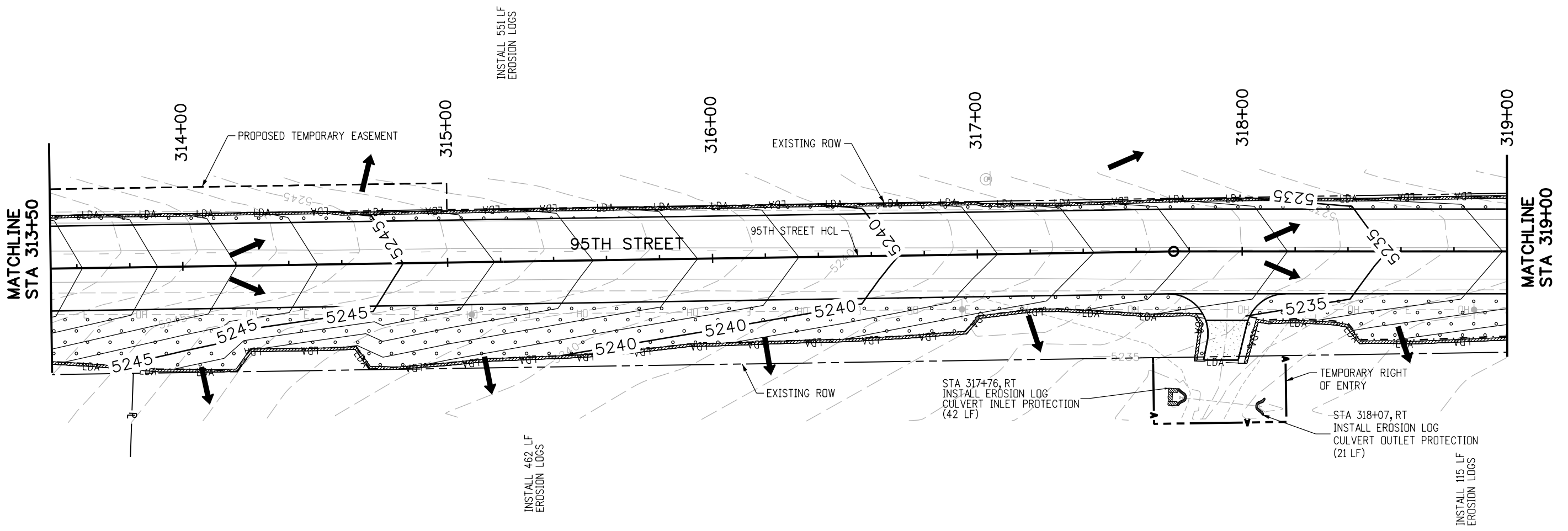
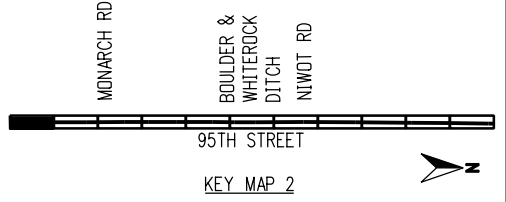
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PROJECT NO: 74030					SHEET NO: 88																

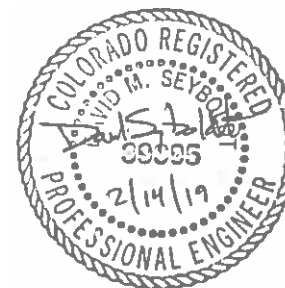
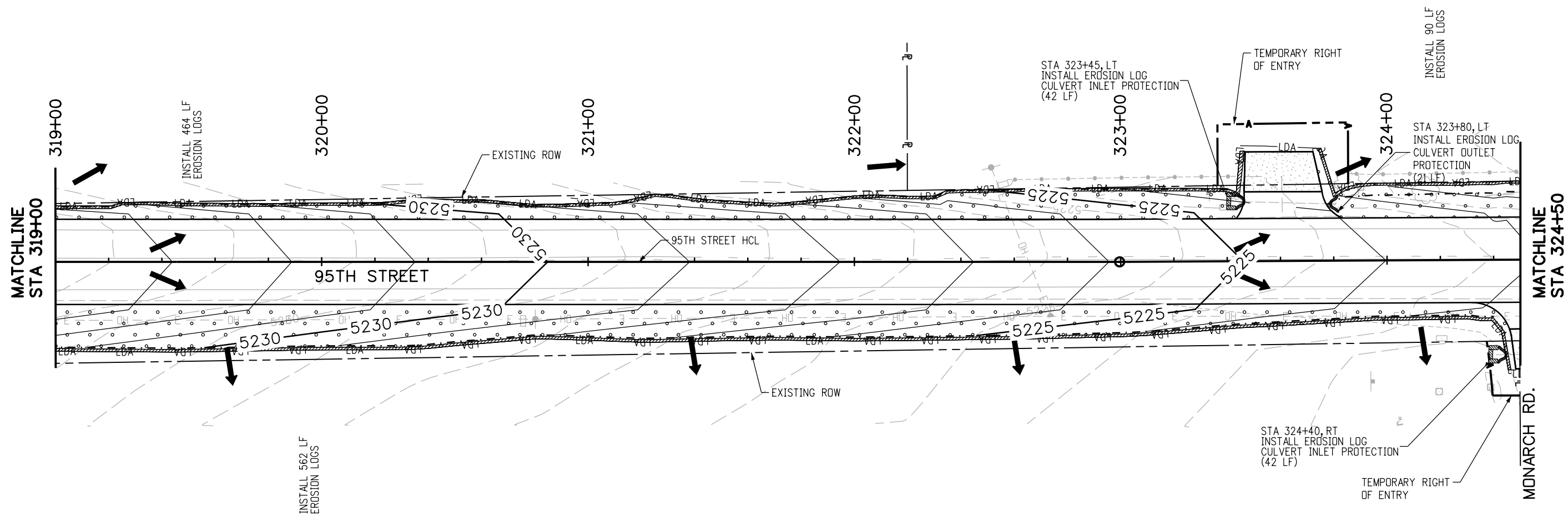
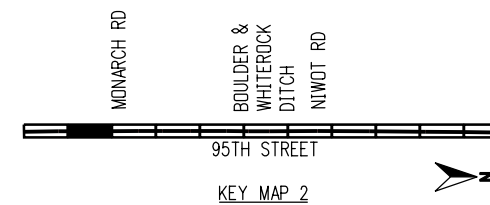
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NOTES:

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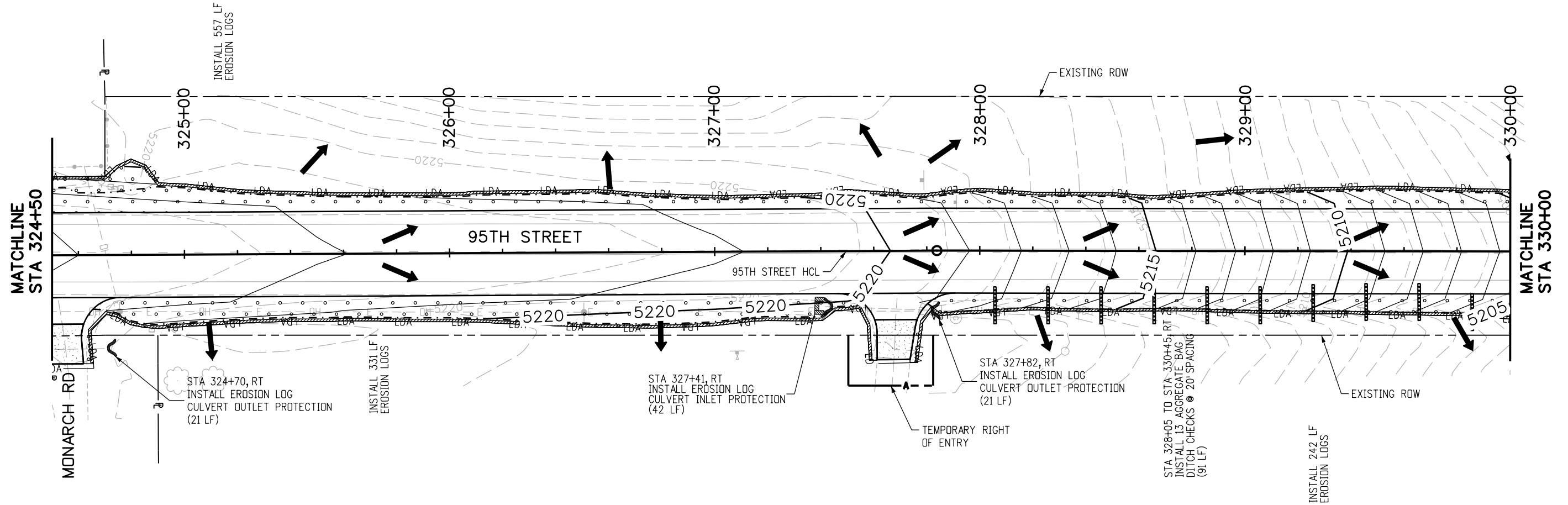
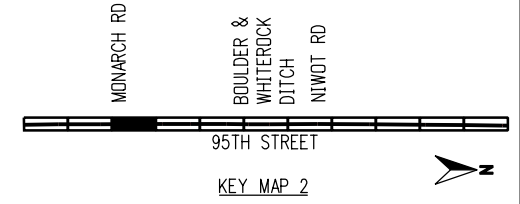
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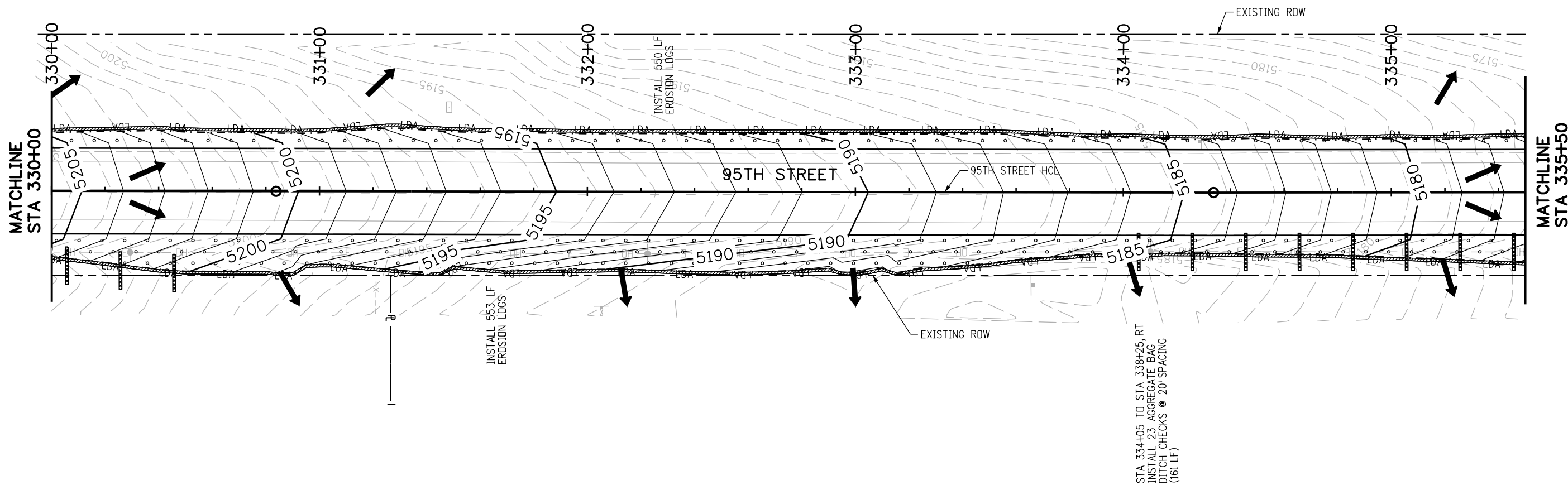
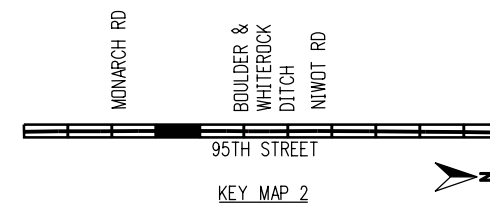
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 -EROSION LOGS AND FENCE (PLASTIC) AROUND WETLANDS AND PONDS
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- LANDFORM
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- LANDSCAPING (MATCH EXISTING)
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RFC	 CALL UTILITY NOTIFICATION CENTER OF COLORADO <small>CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</small>	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 85%;">REVISION DESCRIPTION:</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> </tbody> </table>	NO.	DATE	REVISION DESCRIPTION:										 BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION AECOM	DESIGNED: CPF CAD: NSA CHECKED: MRK DATE: 02/14/2019	95TH STREET SWMP PLAN PROJECT NO: 74030 SHEET NO: 91
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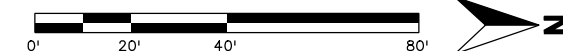
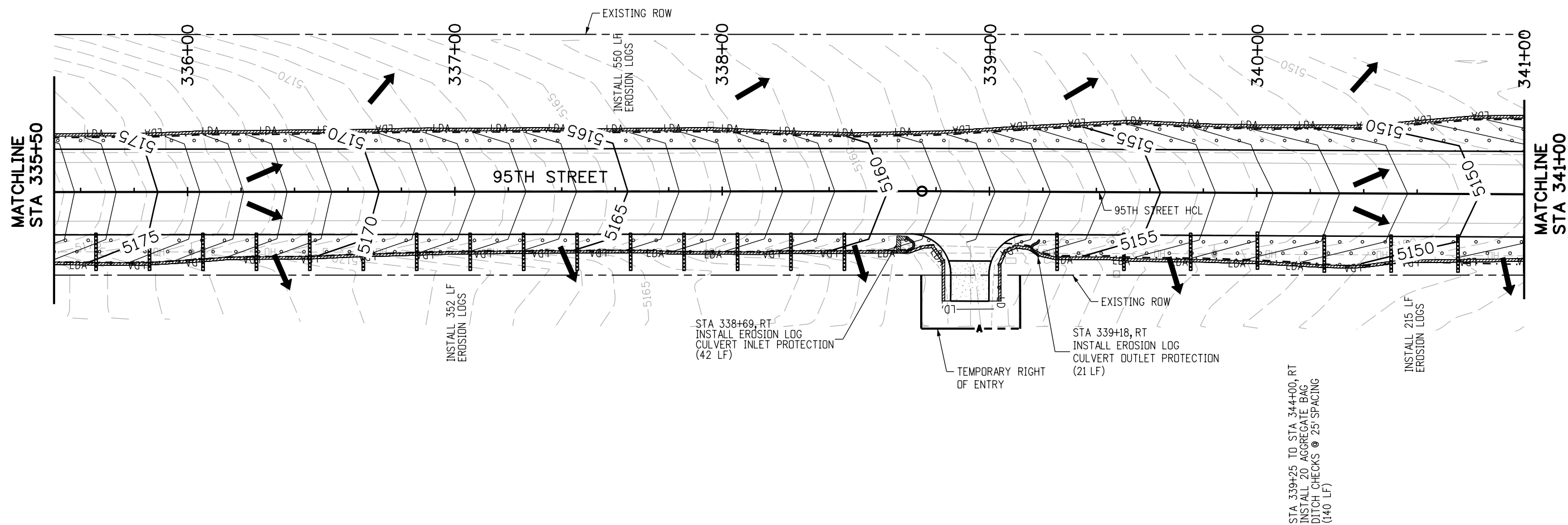
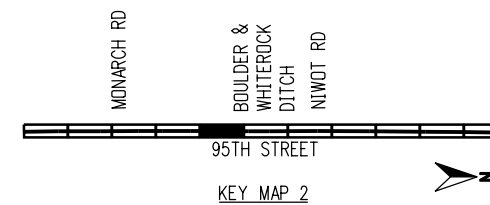
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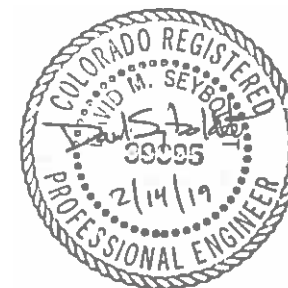
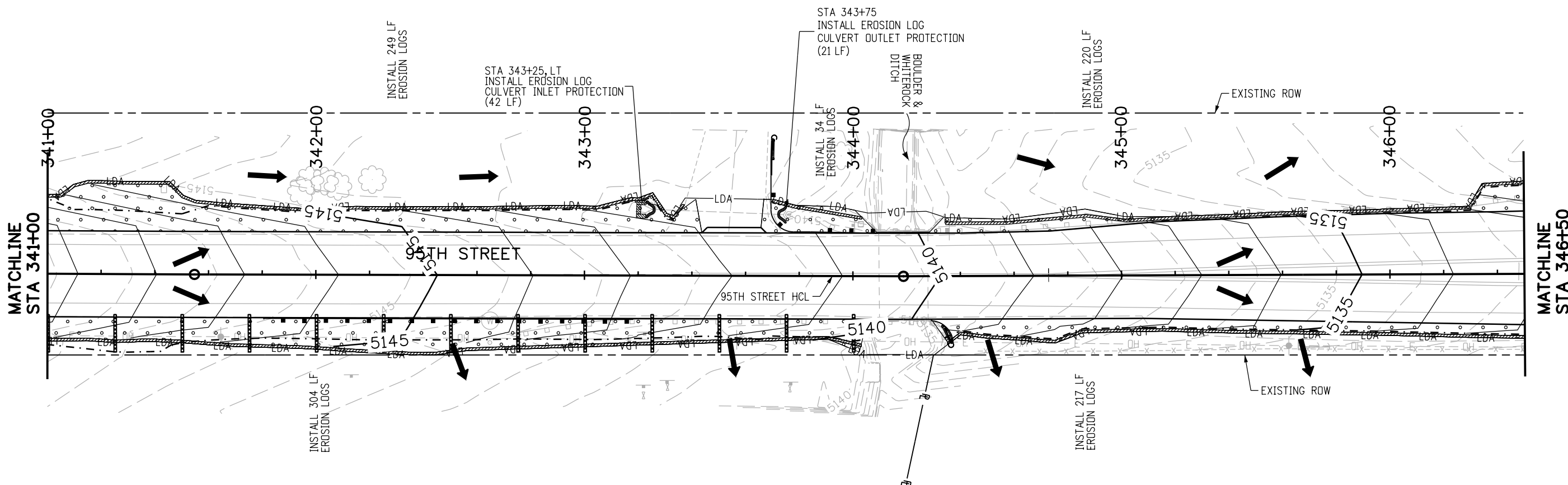
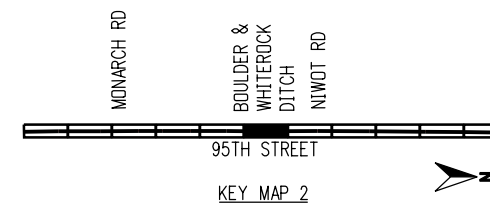
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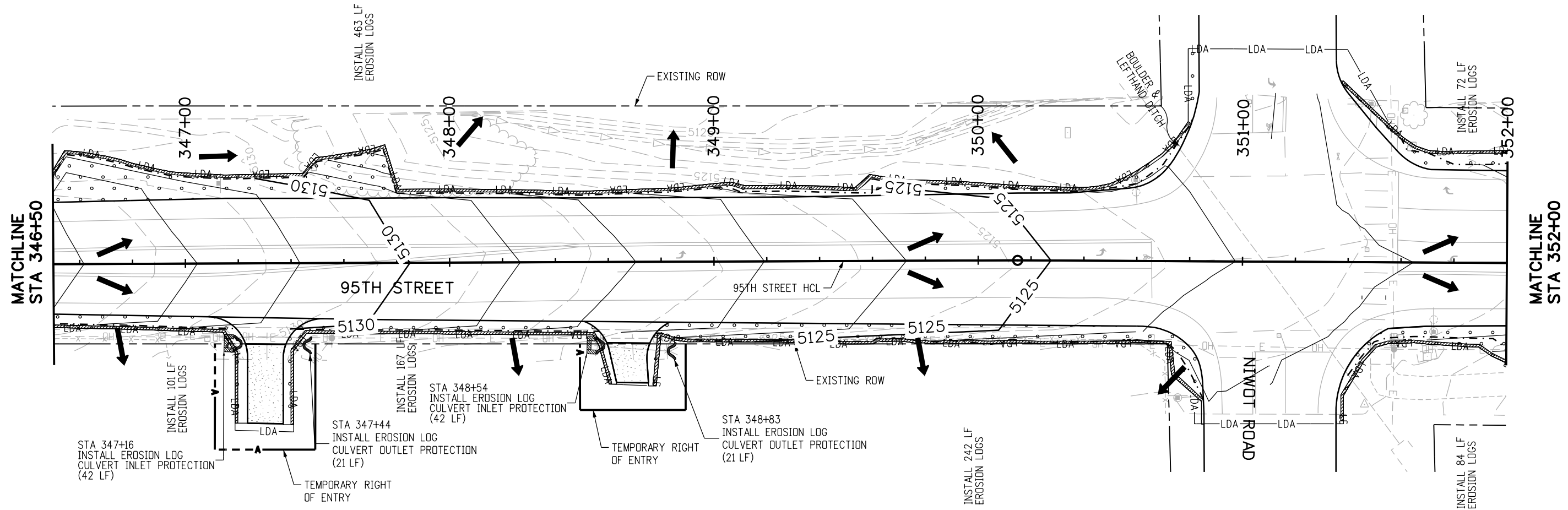
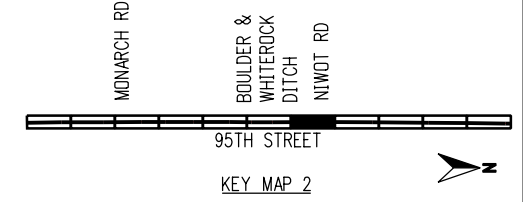
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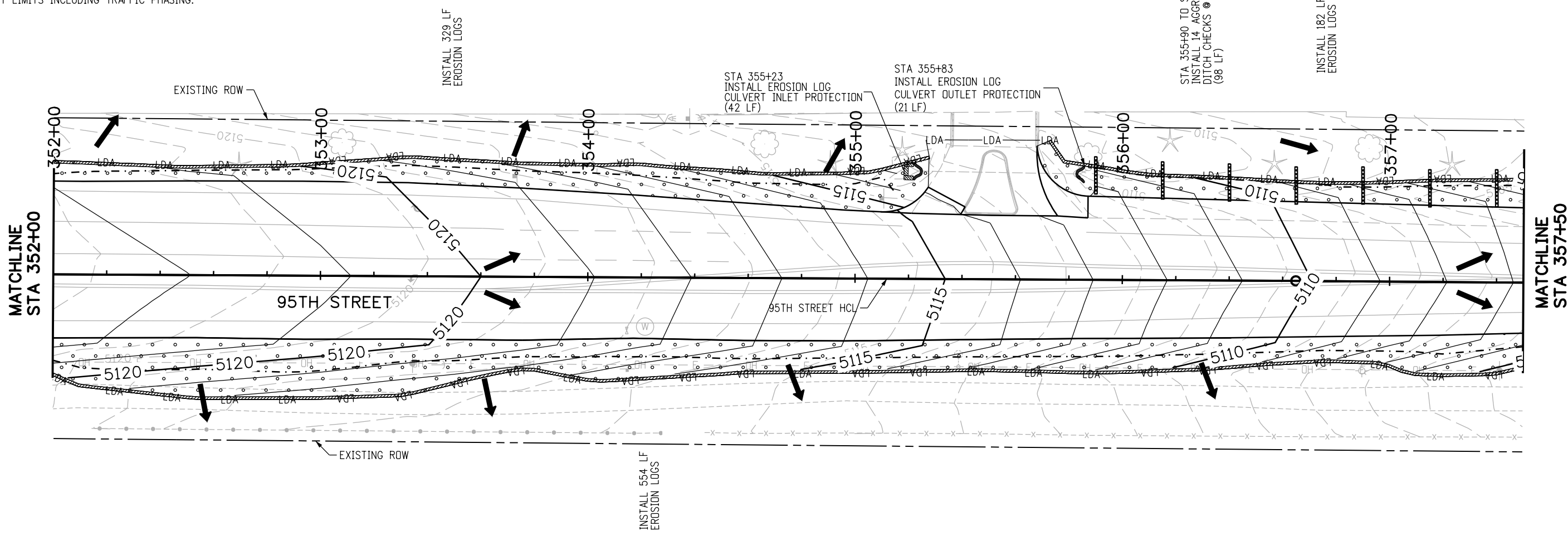
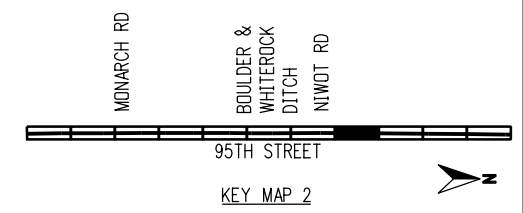
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RFC

811
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BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

AECOM

DESIGNED: CPF CAD: NSA CHECKED: MRK DATE: 02/14/2019

95TH STREET SWMP PLAN

PROJECT NO: 74030 SHEET NO: 95

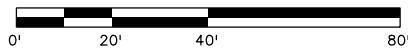
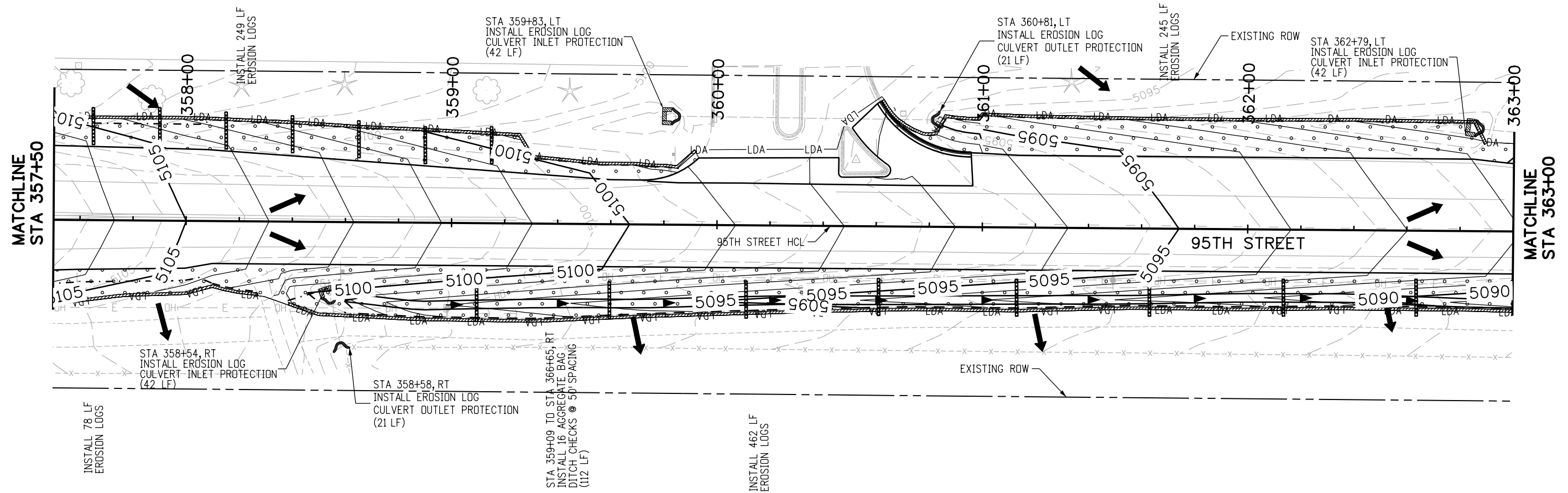
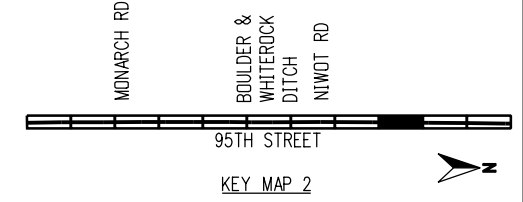
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95TH STREET SWMP PLAN

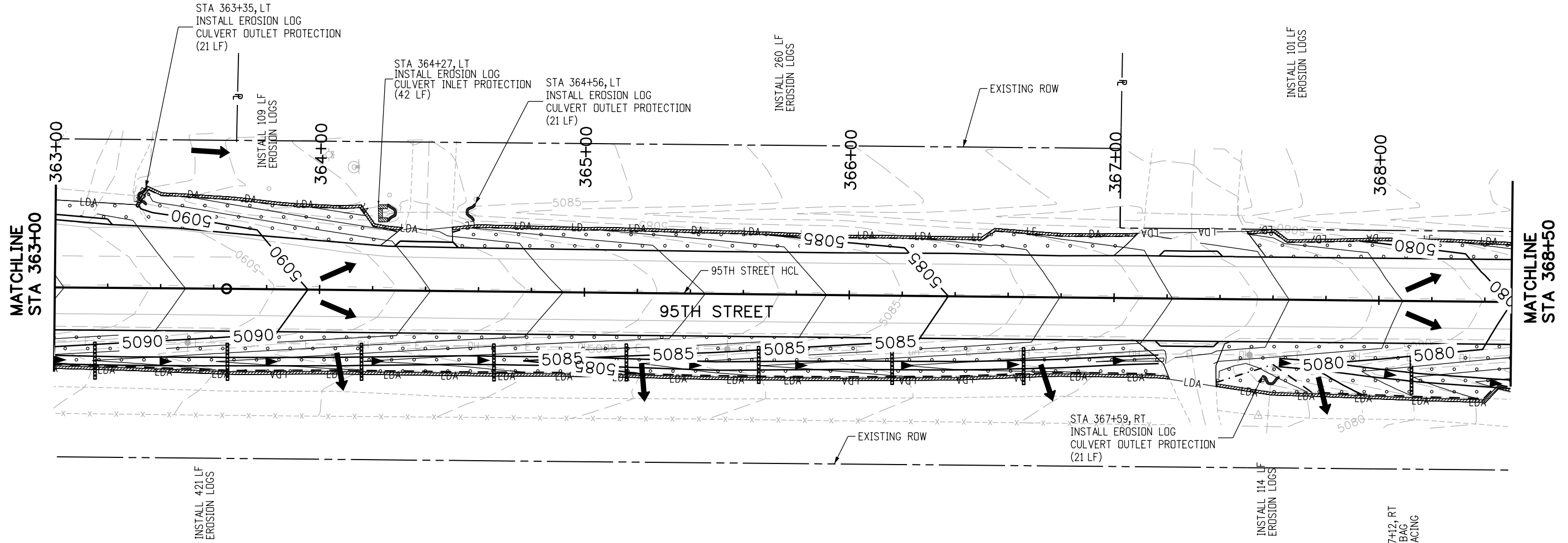
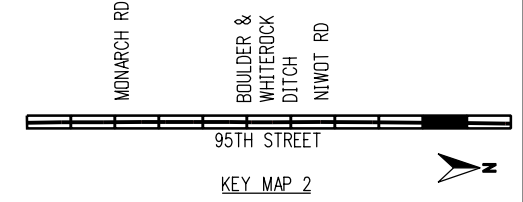
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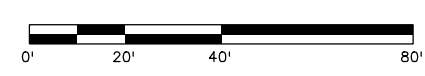
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STA 368+12 TO STA 377+12, RT
 INSTALL 19 AGGREGATE BAG
 DITCH CHECKS @ 50' SPACING
 (133 LF)

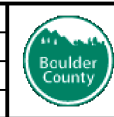


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AECOM
 DESIGNED: CPF CAD: NSA CHECKED: MRK DATE: 02/14/2019

**95TH STREET
 SWMP PLAN**
 PROJECT NO: 74030 SHEET NO: 97

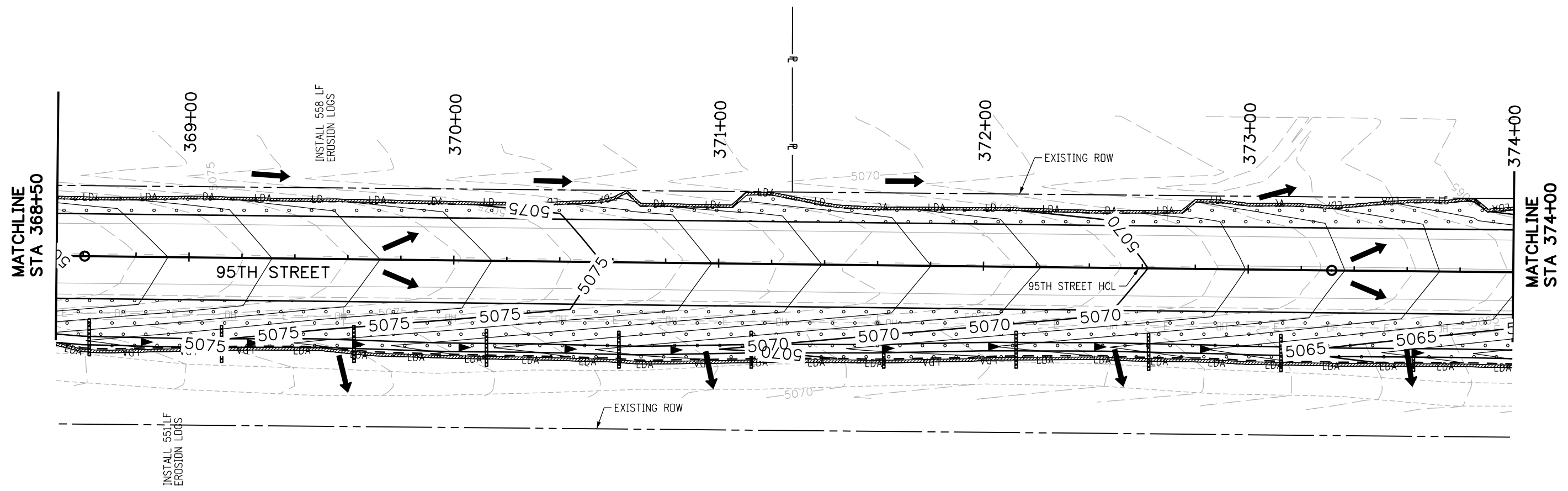
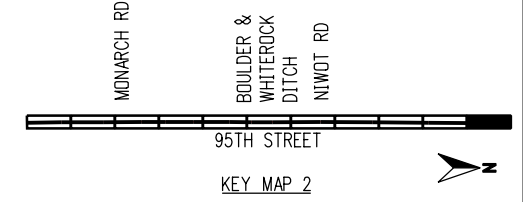
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NOTES:

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- LDA— LIMITS OF DISTURBED AREA
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- TURF REINFORCEMENT MAT (CLASS I)



RFC	 CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 85%;">REVISION DESCRIPTION:</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> </tbody> </table>	NO.	DATE	REVISION DESCRIPTION:										 BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION AECOM	DESIGNED: CPF CAD: NSA CHECKED: MRK DATE: 02/14/2019	95TH STREET SWMP PLAN PROJECT NO: 74030 SHEET NO: 98
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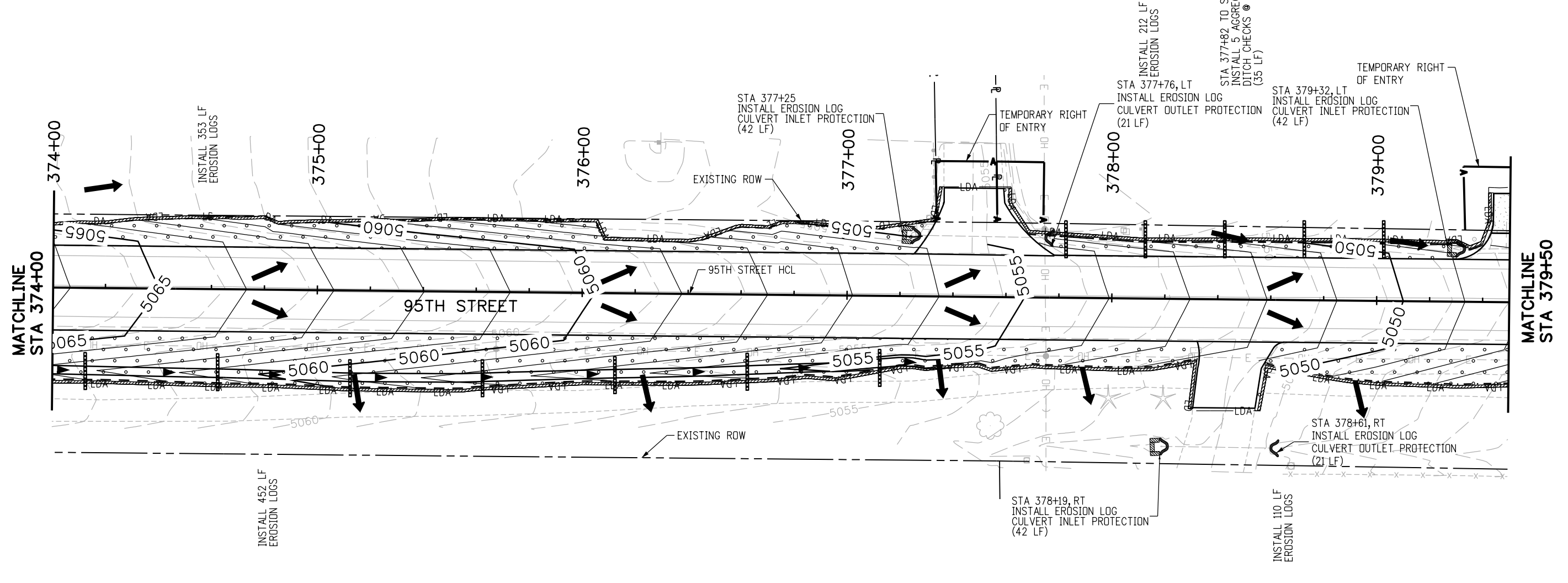
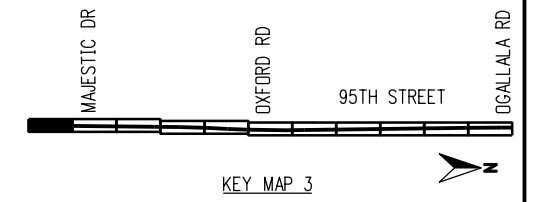
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			REVISIONS:					DESIGNED: CPF	CAD: NSA	CHECKED: MRK

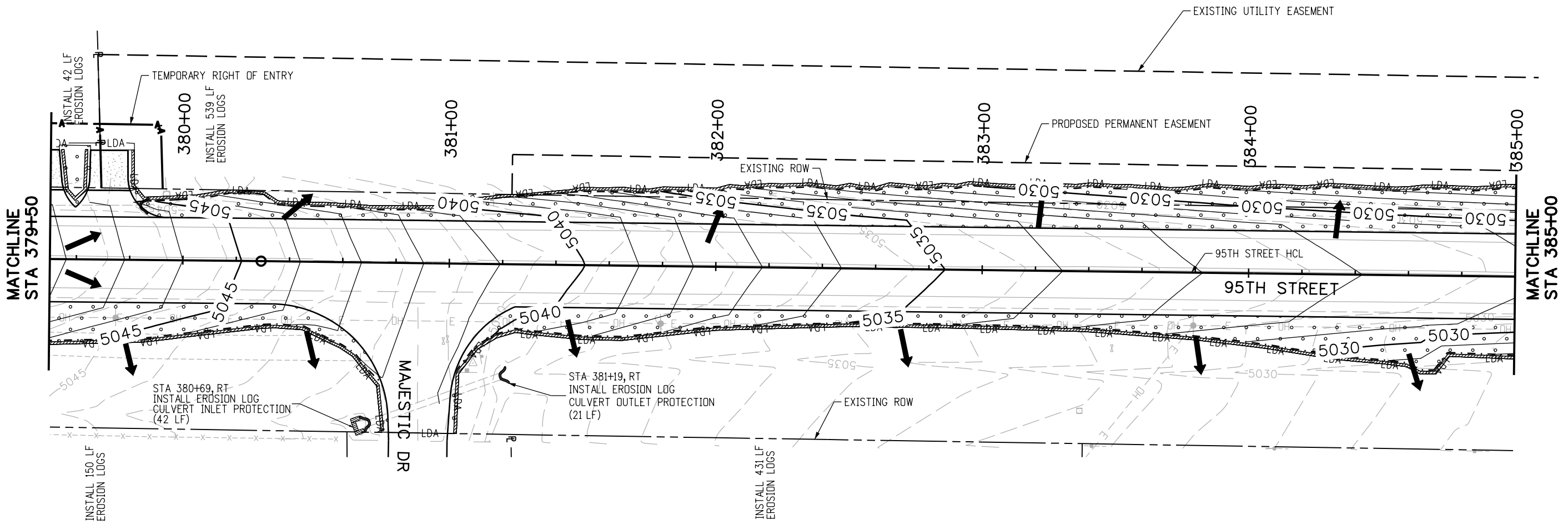
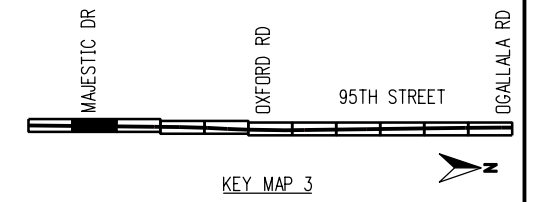
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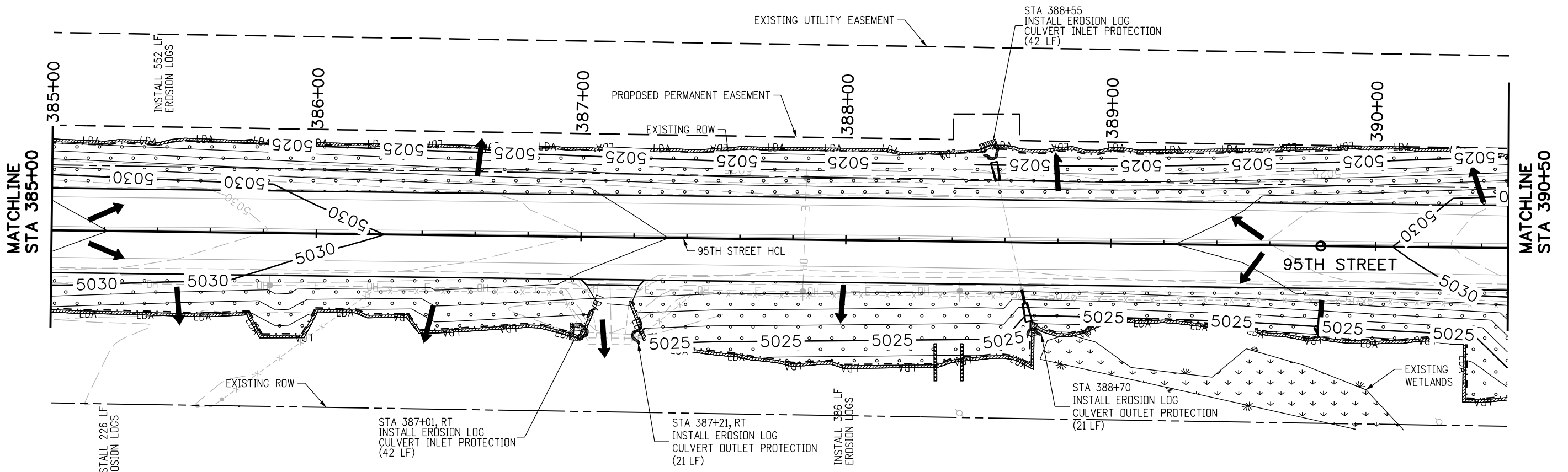
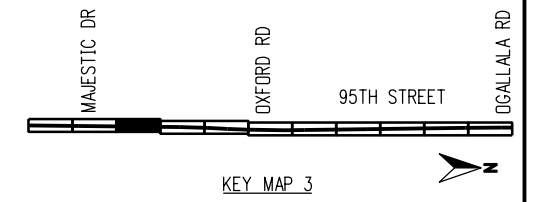
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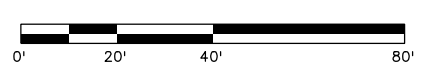
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STA 388+34 TO STA 388+44-RT
INSTALL 2 AGGREGATE BAG DITCH CHECKS @ 10' SPACING (14 LF)

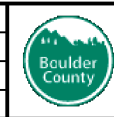


RFC



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NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: JRG	CAD: JRG	CHECKED:	DATE: 02/14/2019
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95TH STREET SWMP PLAN
PROJECT NO: 74030 SHEET NO: 101

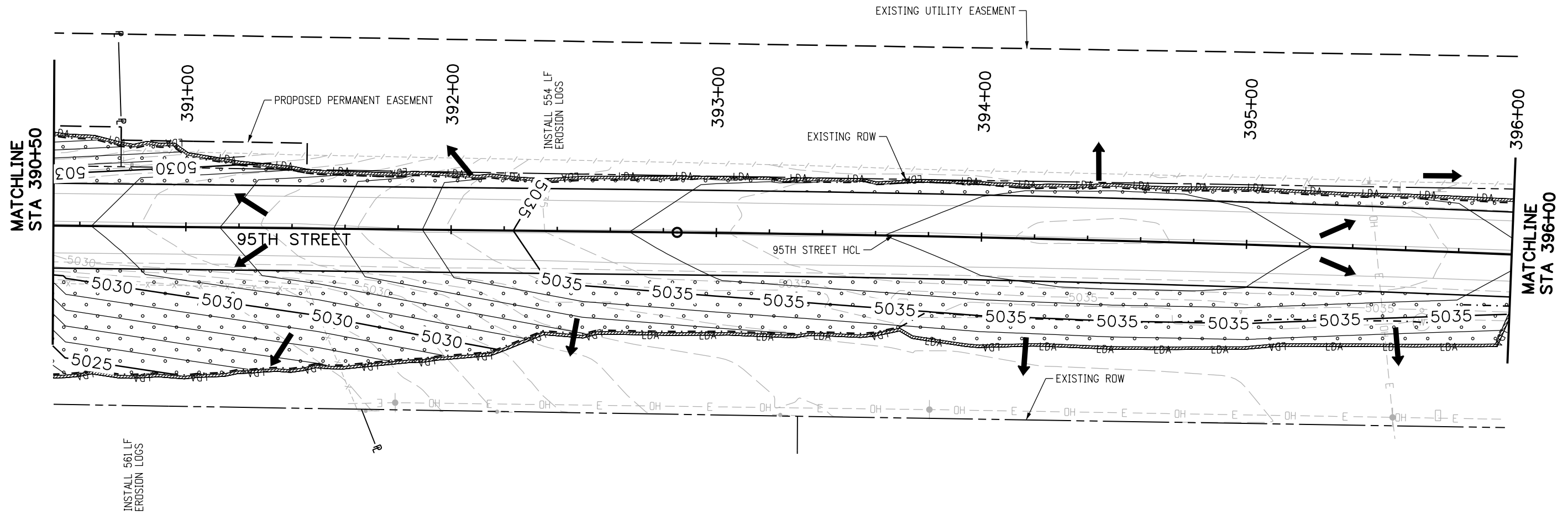
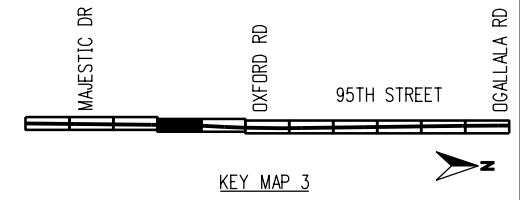
alison.lavery 1:38:39 PM pw:\617479-PWINT.aecomonline.local:AECOM_DSO1_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\03_Hydrology-Drainage\Segment2\95th St_SWMP_Seg2_28.dgn

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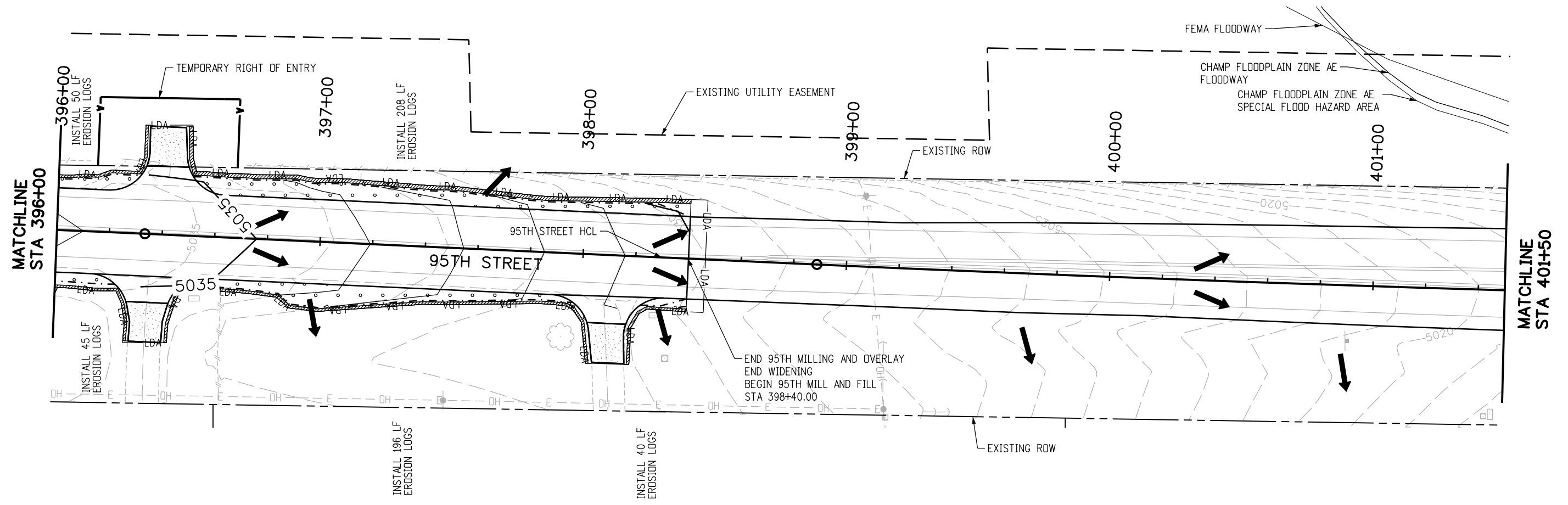
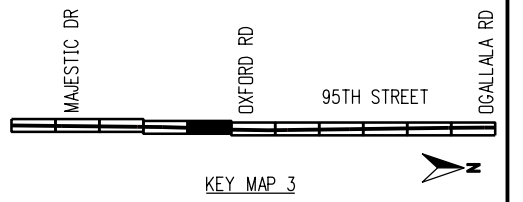
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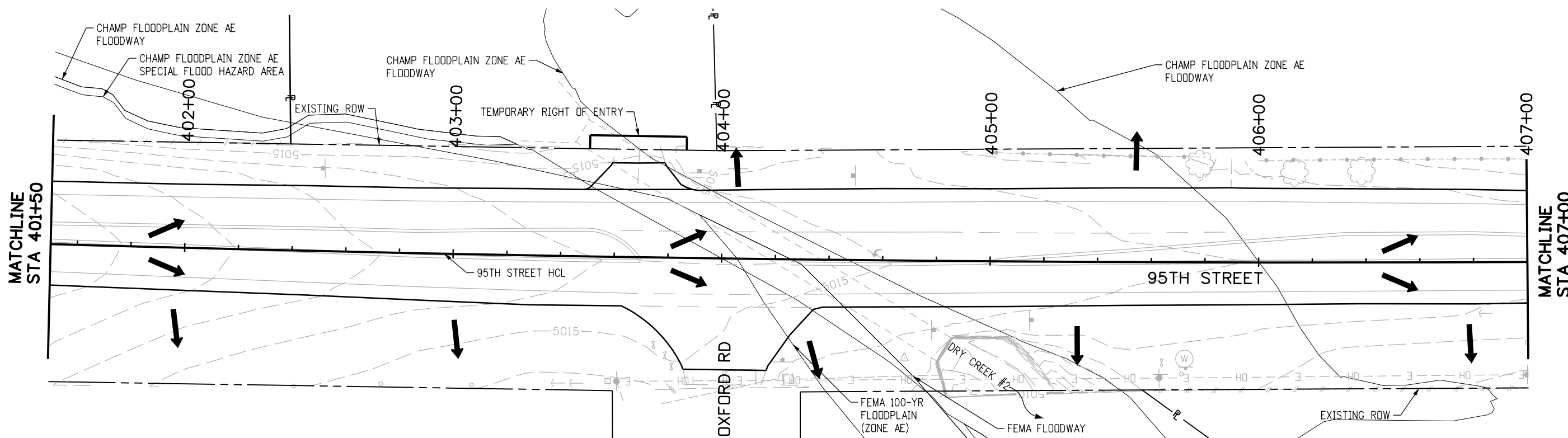
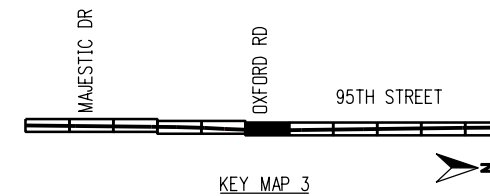
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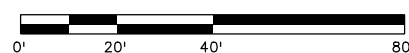
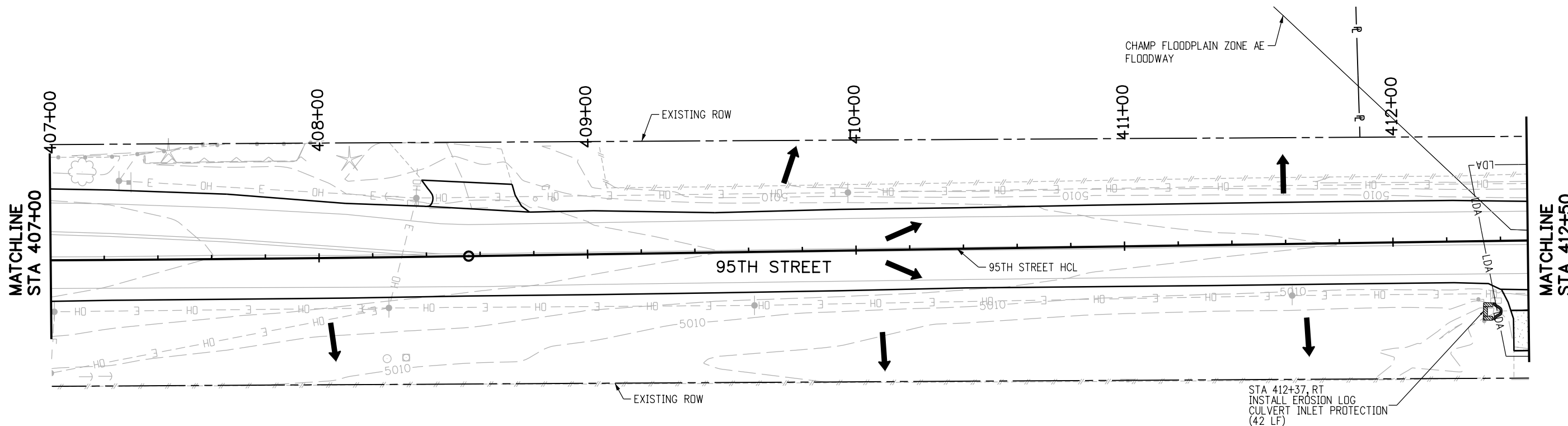
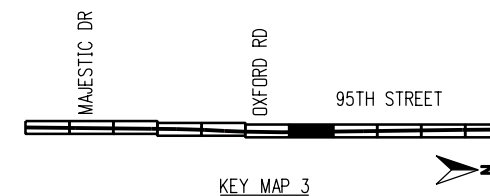
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NOTES:

- BMPs ARE NOT DRAWN TO SCALE AND PLACEMENT IS APPROXIMATE.
- SWMP ADMINISTRATOR FOR CONSTRUCTION TO UPDATE SITE MAPS DURING CONSTRUCTION.
- SEE SWMP NOTES SHEETS FOR BMP NARRATIVES, PHASING INFORMATION AND STANDARD DETAIL REFERENCE.
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RFC



CALL UTILITY NOTIFICATION CENTER OF COLORADO
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NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019
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95TH STREET SWMP PLAN
 PROJECT NO: 74030 SHEET NO: 105

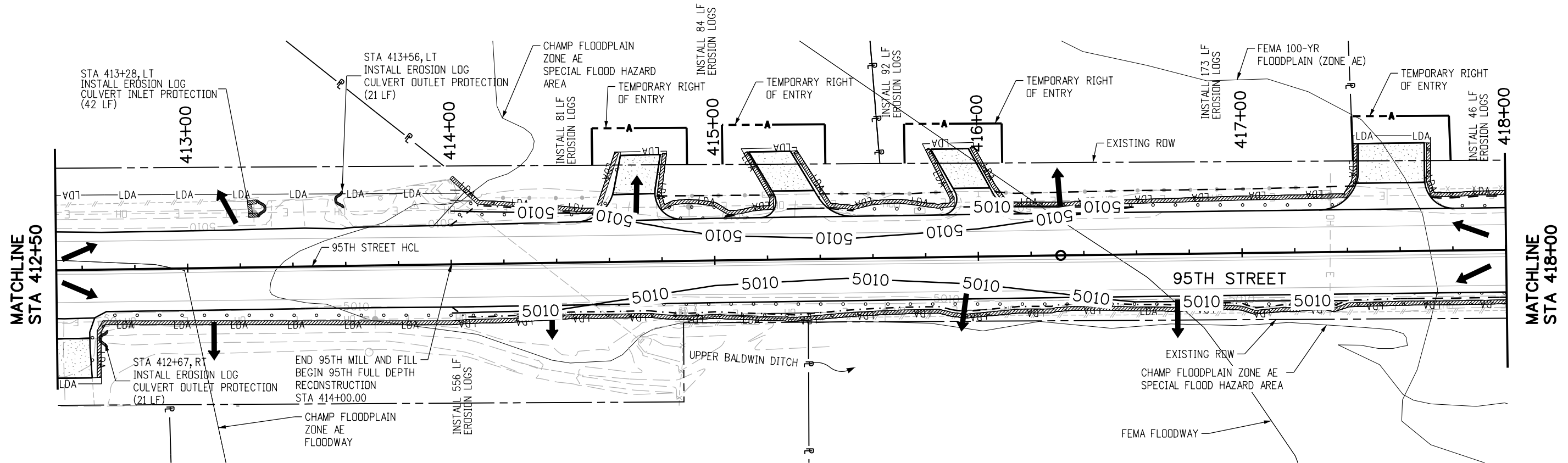
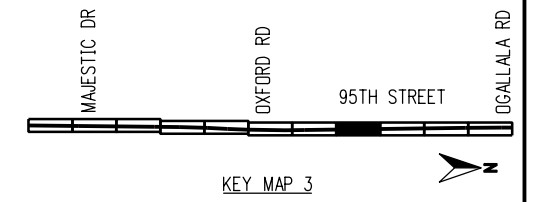
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95TH STREET SWMP PLAN

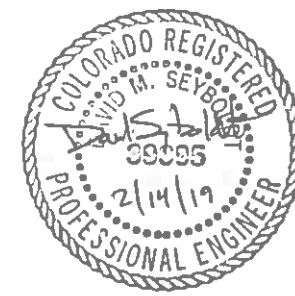
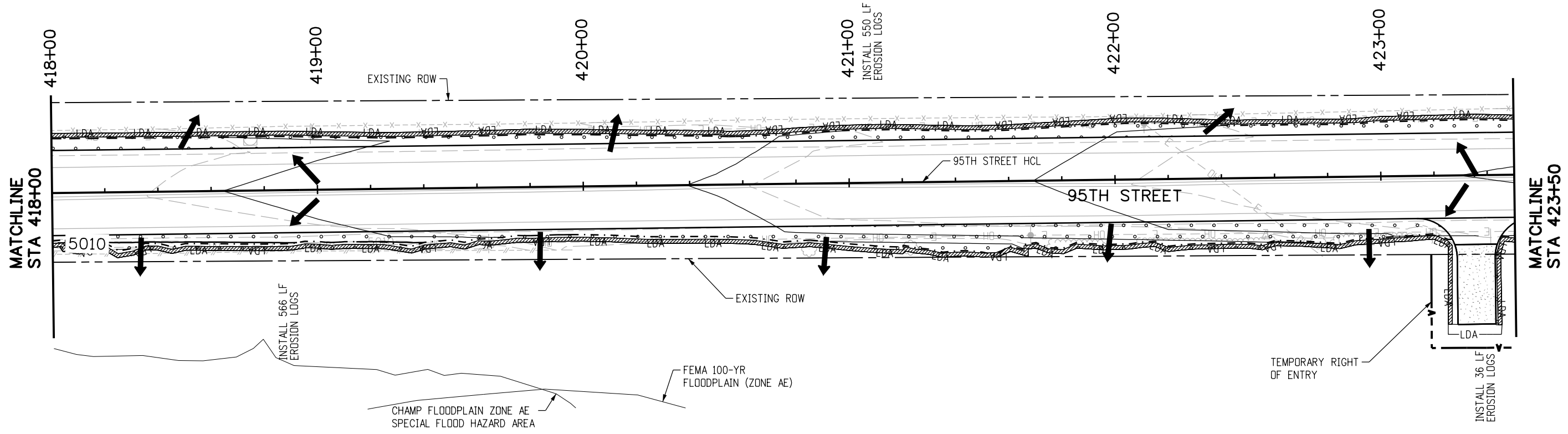
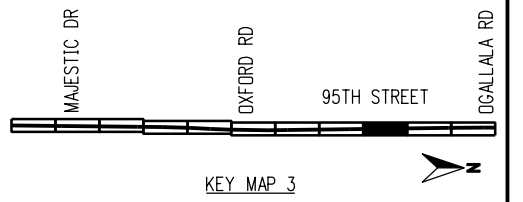
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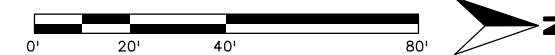
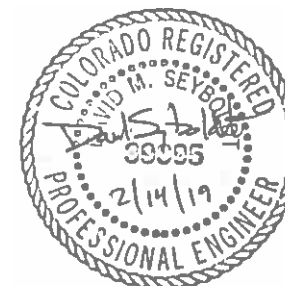
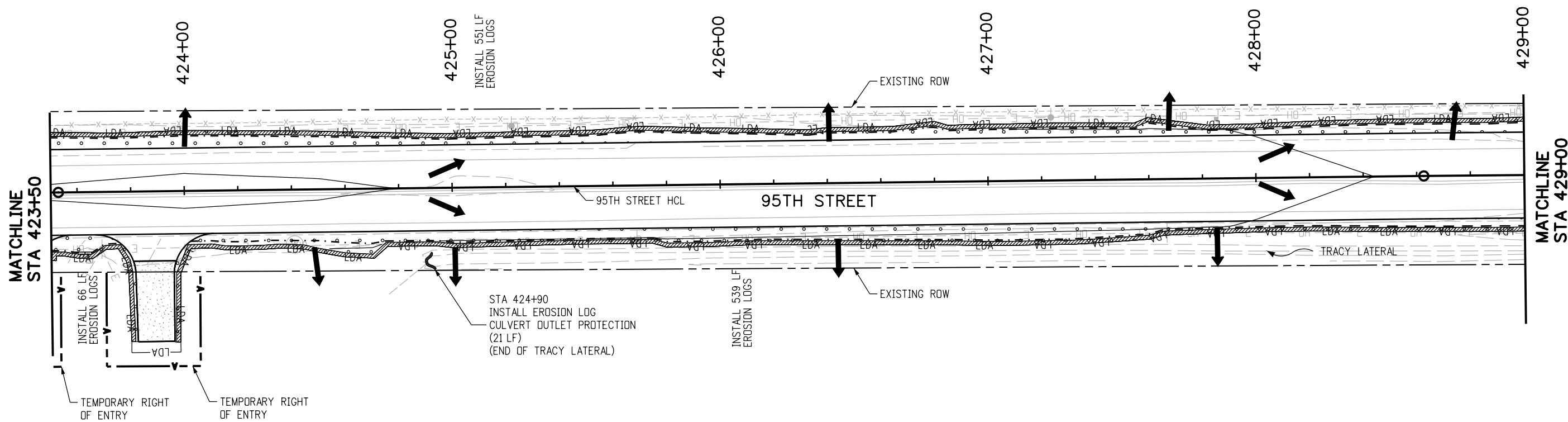
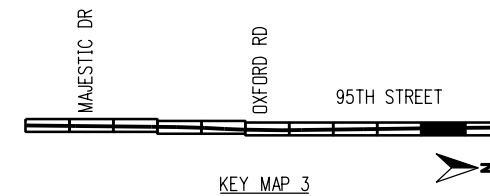
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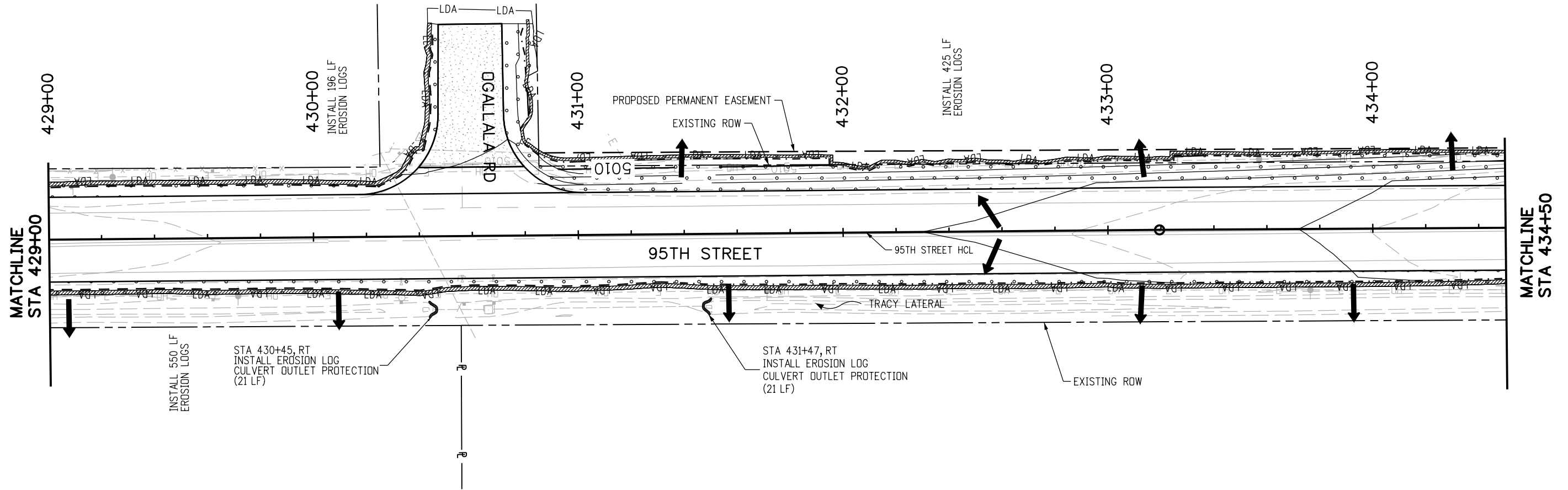
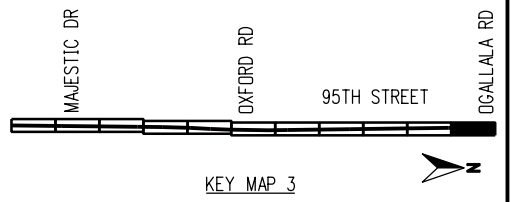
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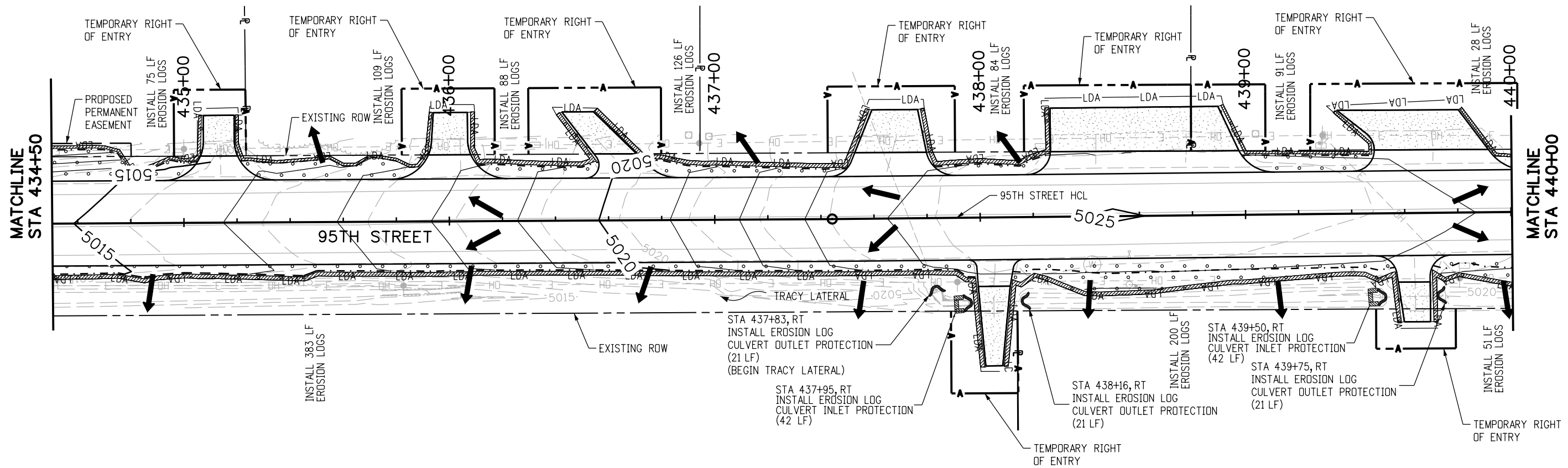
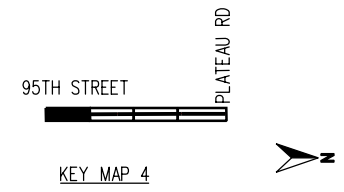
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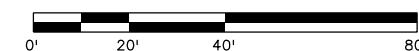
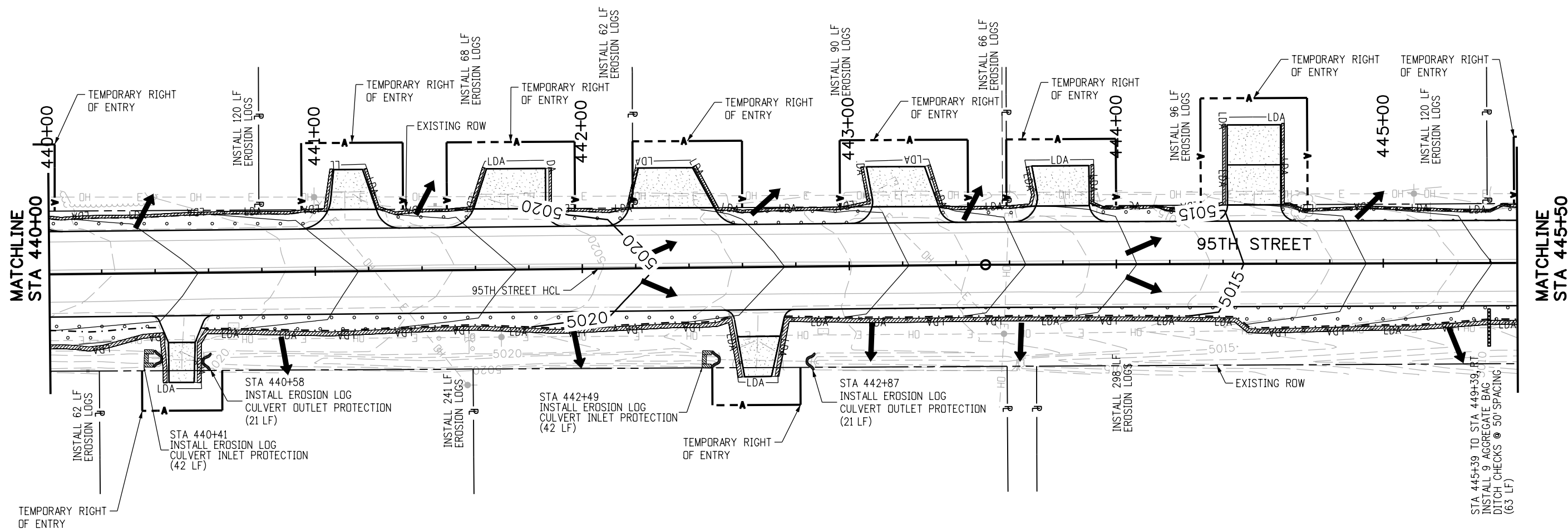
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- SOIL RETENTION BLANKET (STRAW-COCONUT) (BIODEGRADABLE CLASS I)
- TURF REINFORCEMENT MAT (CLASS I)

95TH STREET
 PLATEAU RD
 KEY MAP 4



RFC	 CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	NO. DATE REVISION DESCRIPTION: _____ _____ _____	 BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION	95TH STREET SWMP PLAN PROJECT NO: 74030 SHEET NO: 111	DESIGNED: CPF CAD: NSA CHECKED: MRK DATE: 02/14/2019
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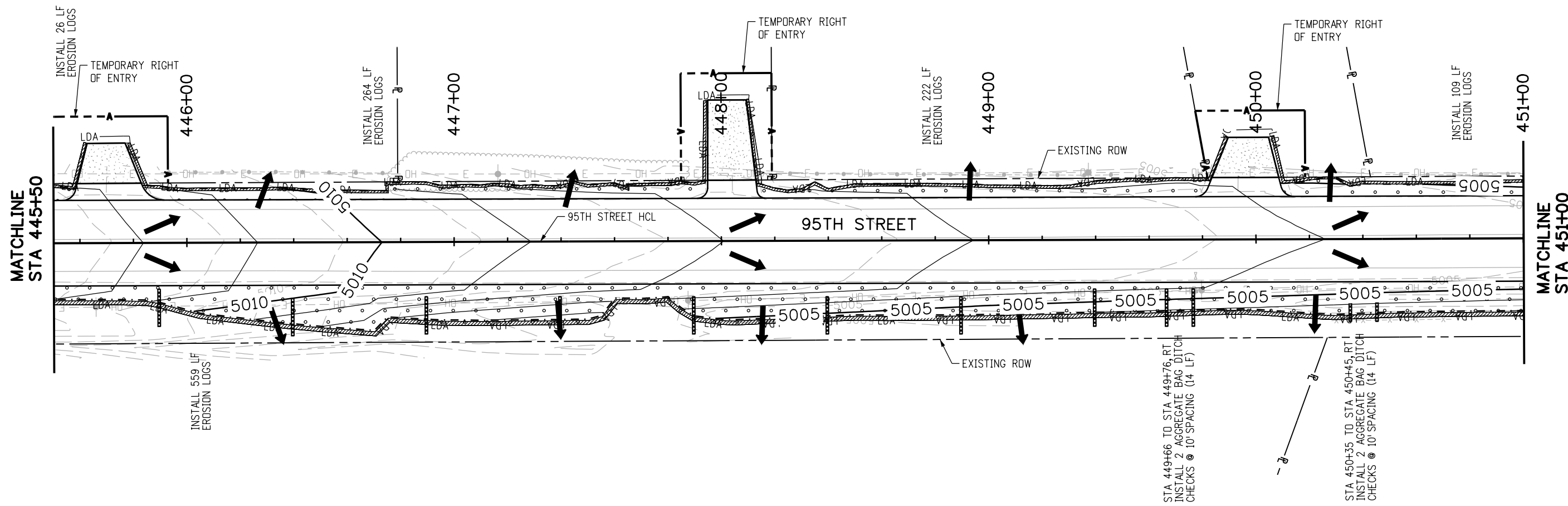
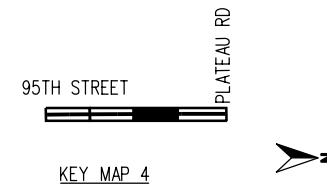
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NOTES:

- BMPs ARE NOT DRAWN TO SCALE AND PLACEMENT IS APPROXIMATE.
- SWMP ADMINISTRATOR FOR CONSTRUCTION TO UPDATE SITE MAPS DURING CONSTRUCTION.
- SEE SWMP NOTES SHEETS FOR BMP NARRATIVES, PHASING INFORMATION AND STANDARD DETAIL REFERENCE.
- PERIMETER CONTROL FOR THIS PROJECT IS AS FOLLOWS, INCLUDING BUT NOT LIMITED TO:
 - EXISTING LANDFORMS, VEGETATIVE BUFFER STRIPS, AND EROSION LOGS PARALLEL TO NORTH 95TH STREET
 - EROSION LOGS AND FENCE (PLASTIC) AROUND WETLANDS AND PONDS
 - EXISTING PAVEMENT, DRIVEWAYS AND SIDEWALKS ALONG NORTH 95TH STREET
- ALL NEW AND EXISTING INLETS/CULVERTS IN PROJECT AREA SHALL HAVE EROSION LOG PROTECTION FOR THE DURATION OF THE PROJECT.
- VEHICLE TRACKING PADS SHALL BE PLACED AT THE BEGINNING OF FULL DEPTH PAVEMENT CONSTRUCTION AND OTHER CONSTRUCTION ENTRANCES FOR EACH PHASE.
- CONCRETE WASHOUT STRUCTURES SHALL BE PLACED FOR EACH PHASE.
- THE LOCATIONS AND PERIMETER CONTROLS FOR STAGING AREAS TO BE DETERMINED BY THE CONTRACTOR AND SWMP ADMINISTRATOR FOR CONSTRUCTION.
- LIMITS OF CONSTRUCTION (LOC) FOR THIS PROJECT ARE DEFINED BY THE RIGHT OF WAY (ROW), TEMPORARY AND PERMANENT EASEMENTS, AND PROJECT LIMITS INCLUDING TRAFFIC PHASING.

LEGEND

- TOE OF FILL
- - - TOP OF CUT
- LDA— LIMITS OF DISTURBED AREA
- LANDFORM
- DIRECTION OF SURFACE FLOW
- SEEDING (NATIVE) AND MULCHING
- LANDSCAPING (MATCH EXISTING)
- EROSION LOG (12") PERIMETER CONTROL
- AGGREGATE BAG (12") DITCH CHECK
- EROSION LOG (12") CULVERT INLET PROTECTION
- EROSION LOG (12") CULVERT OUTLET PROTECTION
- WETLAND
- PF— FENCE (PLASTIC)
- SOIL RETENTION BLANKET (STRAW-COCONUT) (BIODEGRADABLE CLASS I)
- TURF REINFORCEMENT MAT (CLASS I)



RFC

811
CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

AECOM

DESIGNED: CPF CAD: NSA CHECKED: MRK DATE: 02/14/2019

95TH STREET SWMP PLAN

PROJECT NO: 74030 SHEET NO: 112

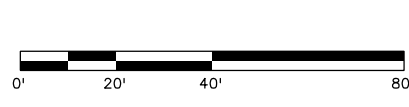
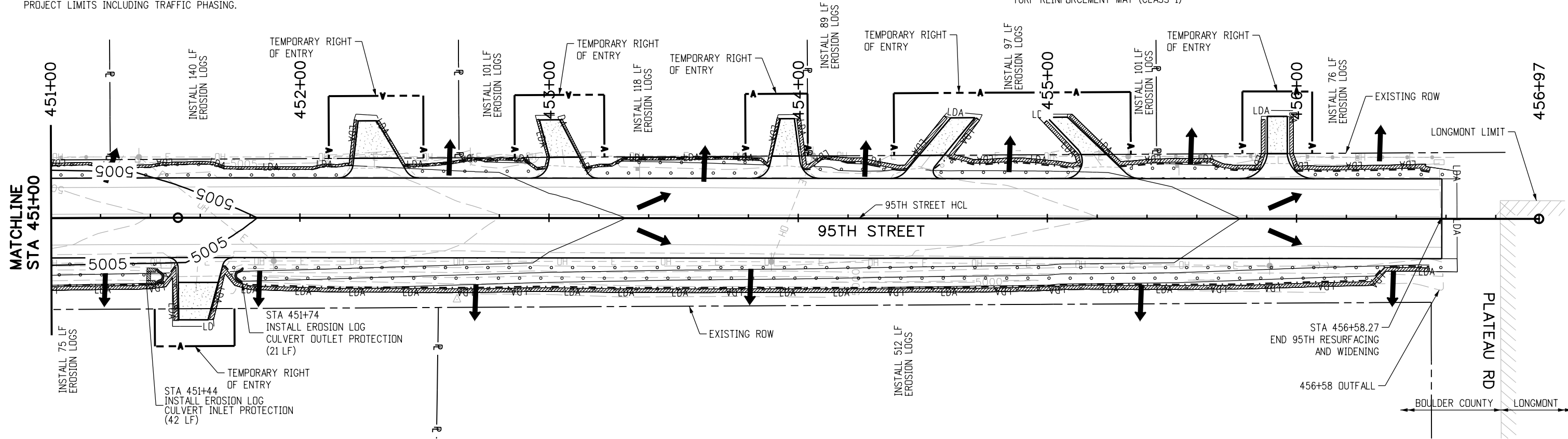
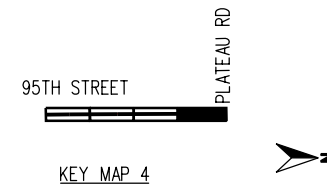
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NOTES:

- BMPs ARE NOT DRAWN TO SCALE AND PLACEMENT IS APPROXIMATE.
- SWMP ADMINISTRATOR FOR CONSTRUCTION TO UPDATE SITE MAPS DURING CONSTRUCTION.
- SEE SWMP NOTES SHEETS FOR BMP NARRATIVES, PHASING INFORMATION AND STANDARD DETAIL REFERENCE.
- PERIMETER CONTROL FOR THIS PROJECT IS AS FOLLOWS, INCLUDING BUT NOT LIMITED TO:
 -EXISTING LANDFORMS, VEGETATIVE BUFFER STRIPS, AND EROSION LOGS PARALLEL TO NORTH 95TH STREET
 -EXISTING LANDFORMS AND FENCE (PLASTIC) AROUND WETLANDS AND PONDS
 -EXISTING PAVEMENT, DRIVEWAYS AND SIDEWALKS ALONG NORTH 95TH STREET
- ALL NEW AND EXISTING INLETS/CULVERTS IN PROJECT AREA SHALL HAVE EROSION LOG PROTECTION FOR THE DURATION OF THE PROJECT.
- VEHICLE TRACKING PADS SHALL BE PLACED AT THE BEGINNING OF FULL DEPTH PAVEMENT CONSTRUCTION AND OTHER CONSTRUCTION ENTRANCES FOR EACH PHASE.
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LEGEND

- TOE OF FILL
- - - TOP OF CUT
- LDA— LIMITS OF DISTURBED AREA
- LANDFORM
- ➔ DIRECTION OF SURFACE FLOW
- SEEDING (NATIVE) AND MULCHING
- LANDSCAPING (MATCH EXISTING)
- EROSION LOG (12") PERIMETER CONTROL
- AGGREGATE BAG (12") DITCH CHECK
- EROSION LOG (12") CULVERT INLET PROTECTION
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- WETLAND
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RFC



CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

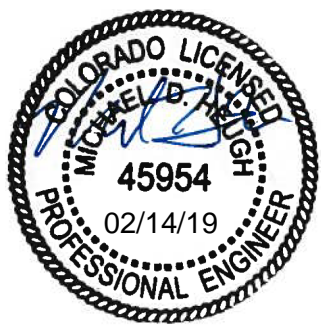
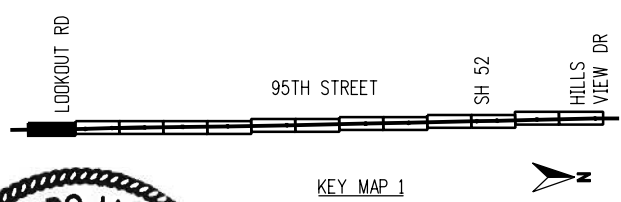
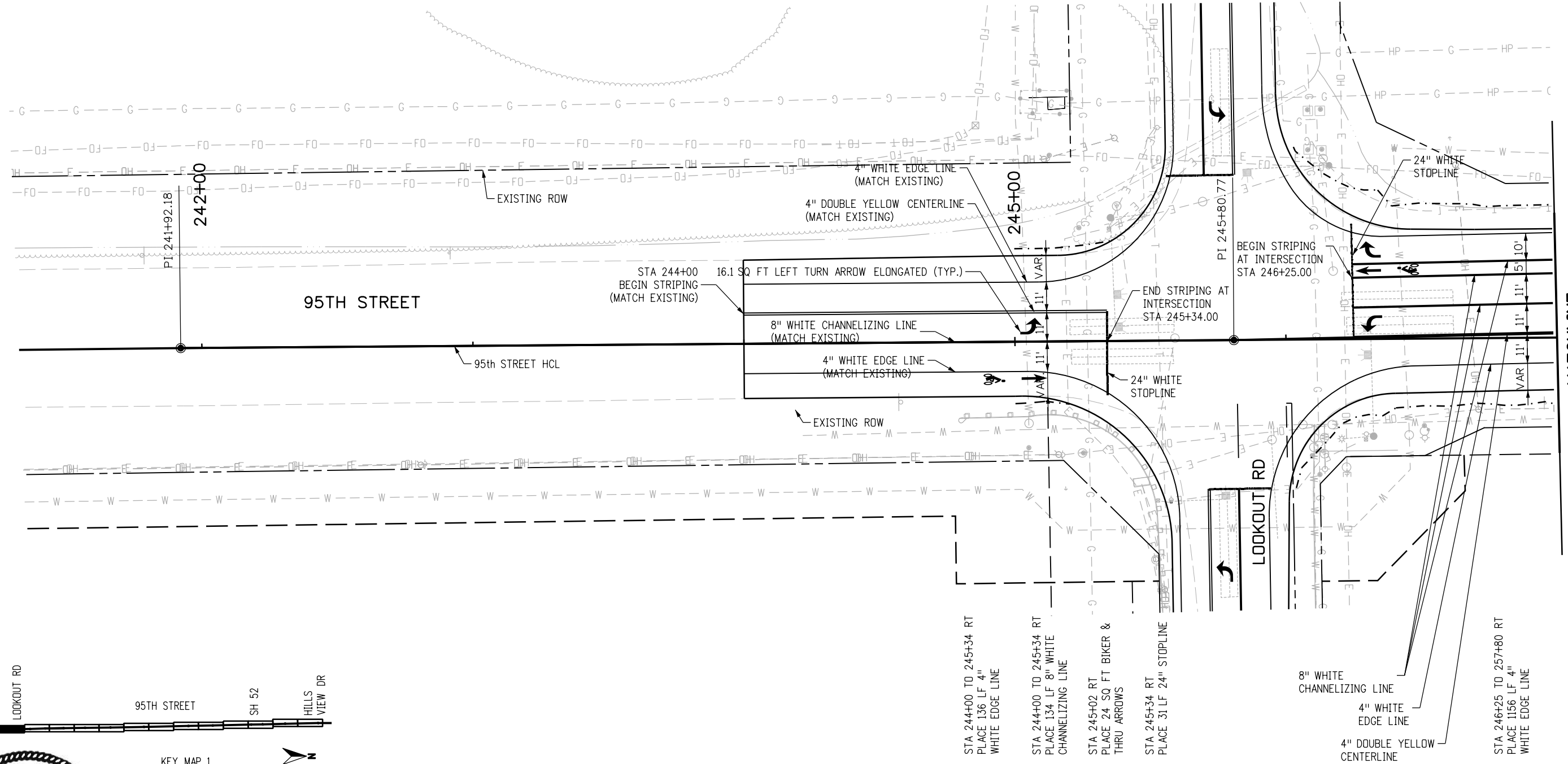
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95TH STREET SWMP PLAN

PROJECT NO: 74030 SHEET NO: 113

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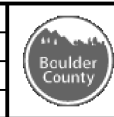


RFC



CALL UTILITY NOTIFICATION CENTER OF COLORADO
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

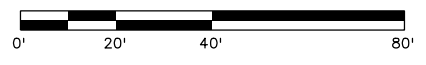
NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019
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95TH STREET SIGNING & STRIPING PLAN
PROJECT NO: 74030 SHEET NO: 114

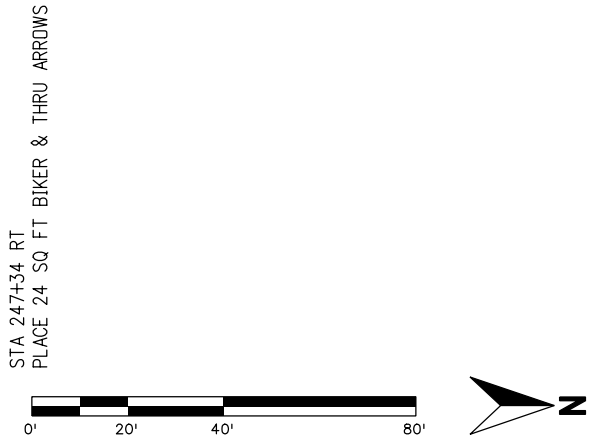
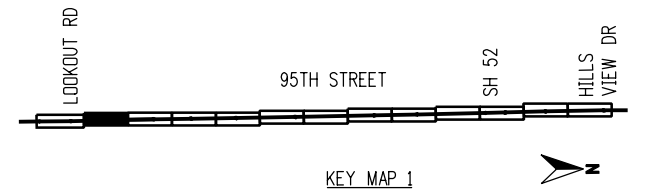
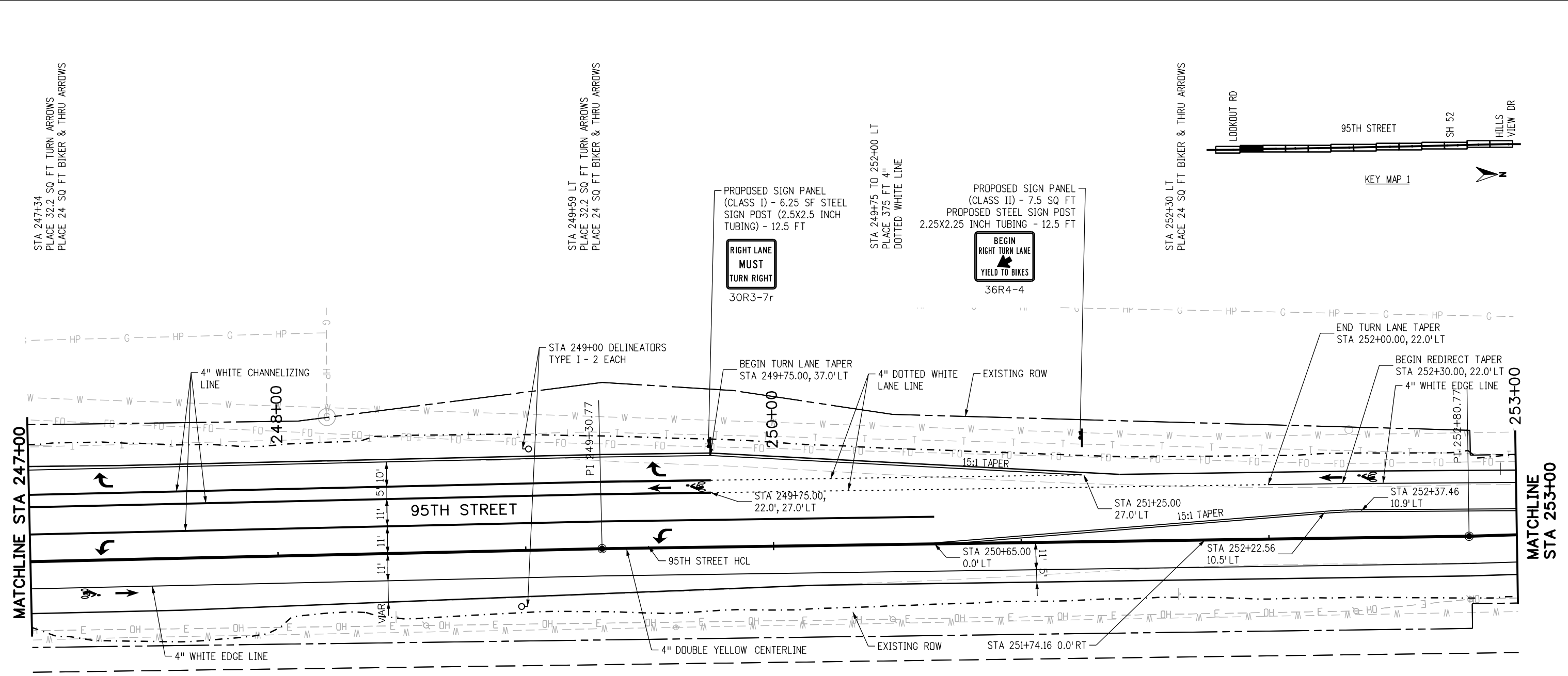


MATCHLINE
STA 247+00

- STA 244+00 TO 245+34 LT PLACE 136 LF 4" WHITE EDGE LINE
- STA 244+00 TO 245+34 LT PLACE 134 LF 4" DOUBLE YELLOW CENTERLINE
- STA 245+02 LT PLACE 16.1 SQ FT LEFT TURN ARROW
- STA 246+25 LT PLACE 37 LF 24" STOPLINE
- STA 246+25 TO 257+80 LT PLACE 1081 LF 4" WHITE EDGE LINE
- STA 246+35 RT PLACE 32.2 SQ FT TURN ARROWS & THRU ARROWS
- STA 246+25 TO 257+80 LT PLACE 1876 LF 4" DOUBLE YELLOW CENTERLINE
- STA 246+25 TO 250+65 LT PLACE 1141 LF 8" WHITE CHANNELIZING LINE

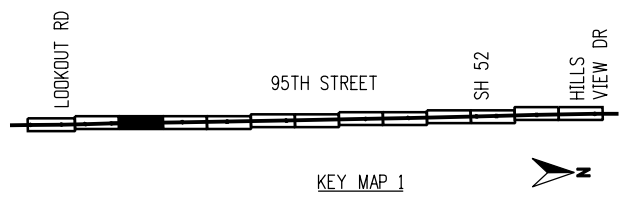
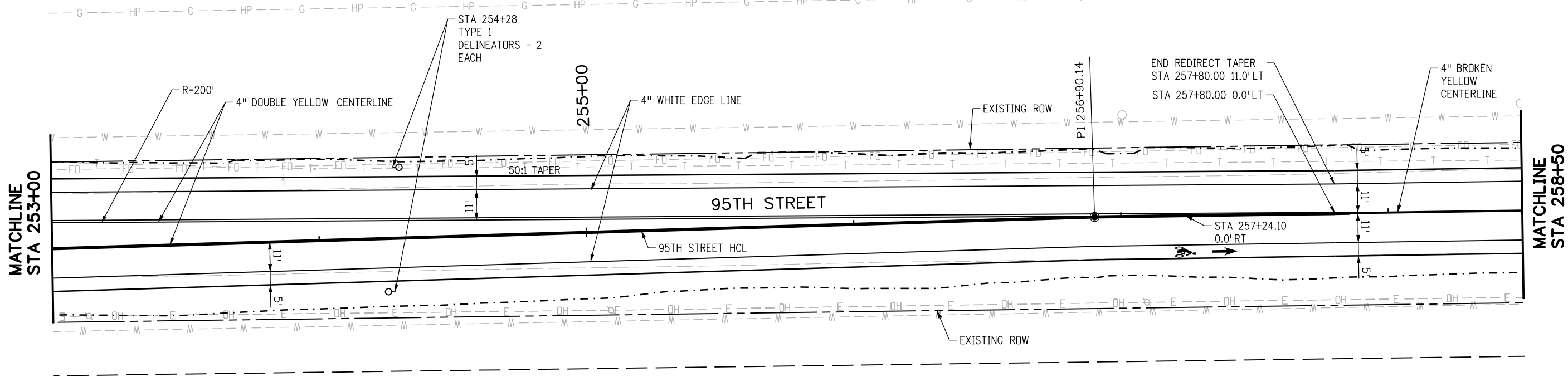
- STA 244+00 TO 245+34 RT PLACE 136 LF 4" WHITE EDGE LINE
- STA 244+00 TO 245+34 RT PLACE 134 LF 8" WHITE CHANNELIZING LINE
- STA 245+02 RT PLACE 24 SQ FT BIKER & THRU ARROWS
- STA 245+34 RT PLACE 31 LF 24" STOPLINE
- 8" WHITE CHANNELIZING LINE
- 4" WHITE EDGE LINE
- 4" DOUBLE YELLOW CENTERLINE
- STA 246+25 TO 257+80 RT PLACE 1156 LF 4" WHITE EDGE LINE

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RFC	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	NO.	DATE	REVISION DESCRIPTION:	<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p>	DESIGNED:	CAD:	CHECKED:	DATE:	<p>95TH STREET SIGNING & STRIPING PLAN</p>	PROJECT NO: 74030	SHEET NO: 115
		REVISIONS:					CPF	NSA	MRK			

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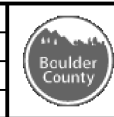


RFC



**CALL UTILITY NOTIFICATION
CENTER OF COLORADO**
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**

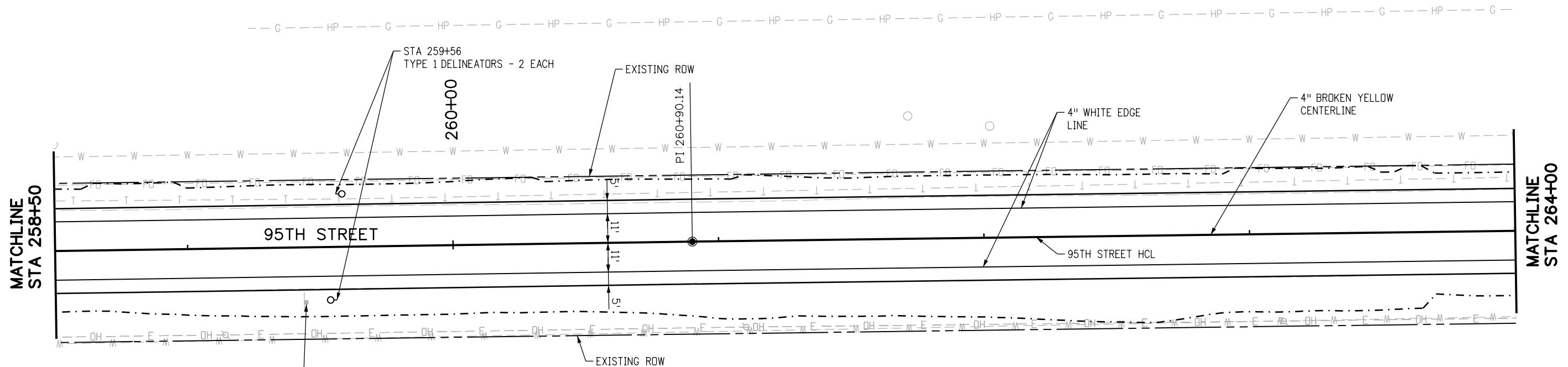
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DESIGNED: CPF CAD: NSA CHECKED: MRK DATE: 02/14/2019

**95TH STREET
SIGNING & STRIPING PLAN**

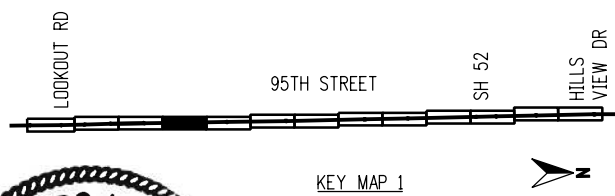
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RESET GROUND SIGN - 1 EACH

 24R2-1 (50)



RFC



CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

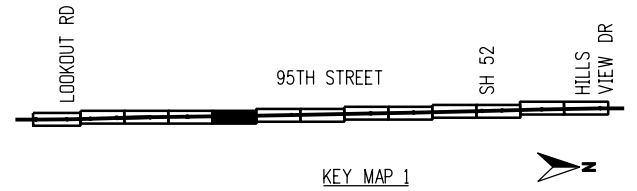
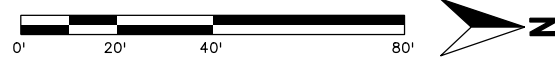
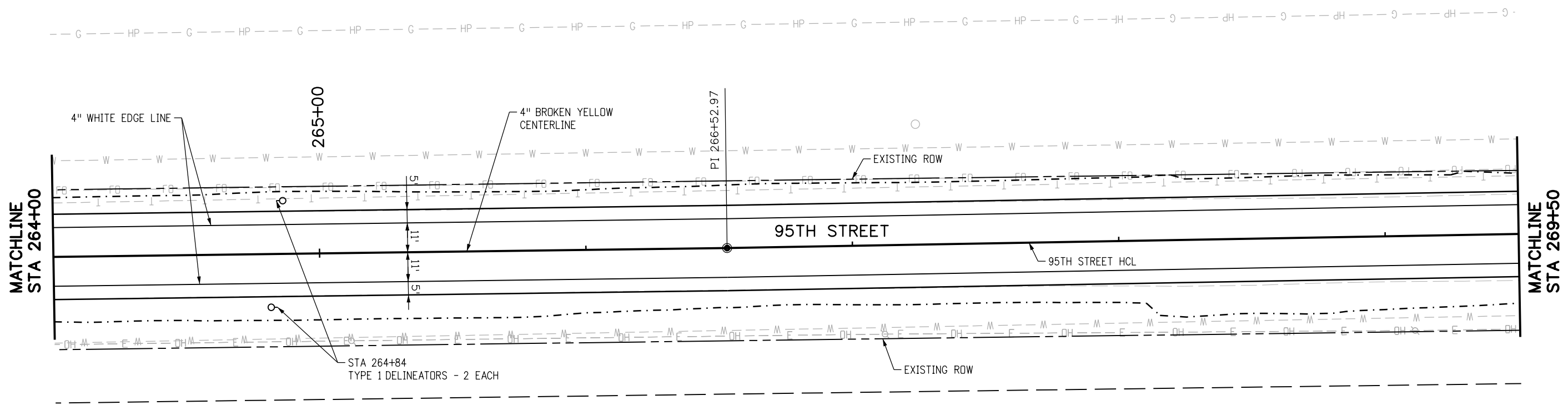


BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019
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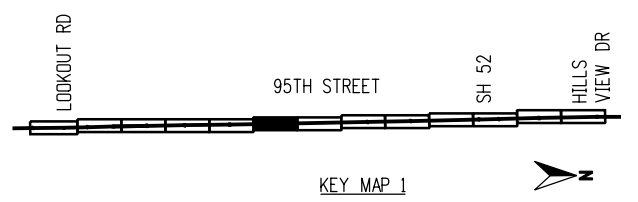
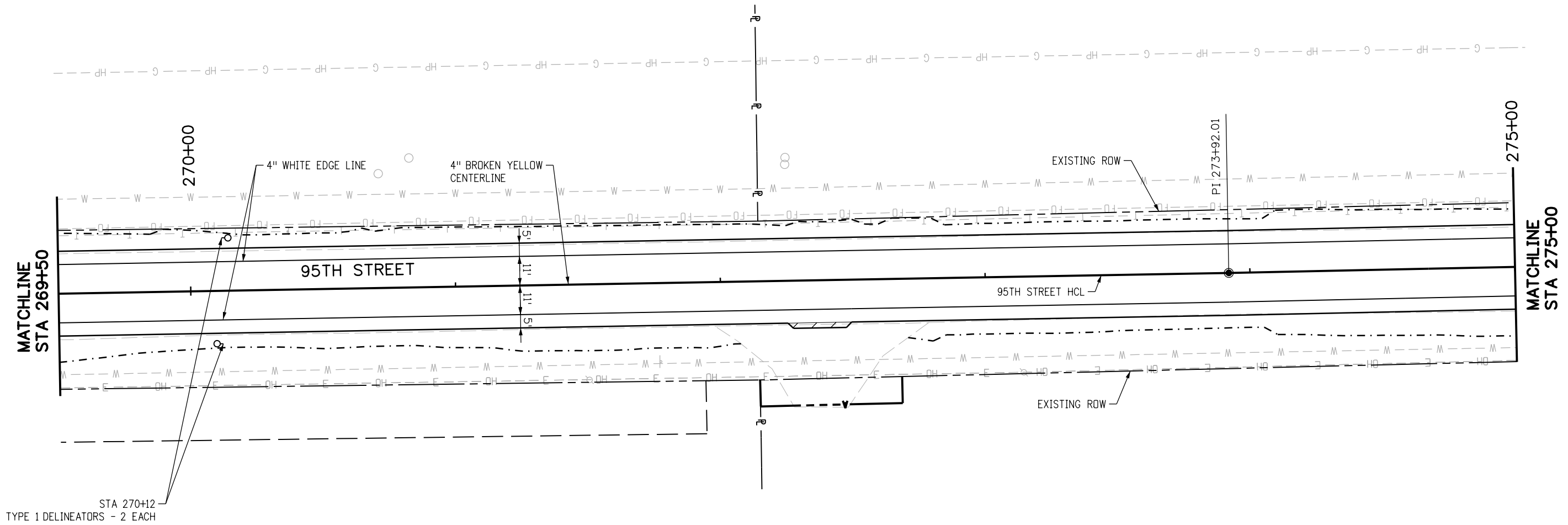
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RFC	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	NO.	DATE	REVISION DESCRIPTION:	<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p>	DESIGNED:	CAD:	CHECKED:	DATE:	<p>95TH STREET SIGNING & STRIPING PLAN</p>	PROJECT NO: 74030	SHEET NO: 118
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RFC

811
CALL UTILITY NOTIFICATION
CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

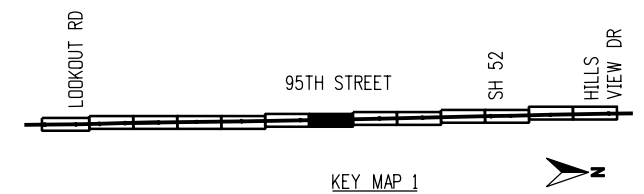
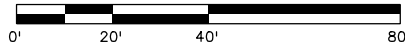
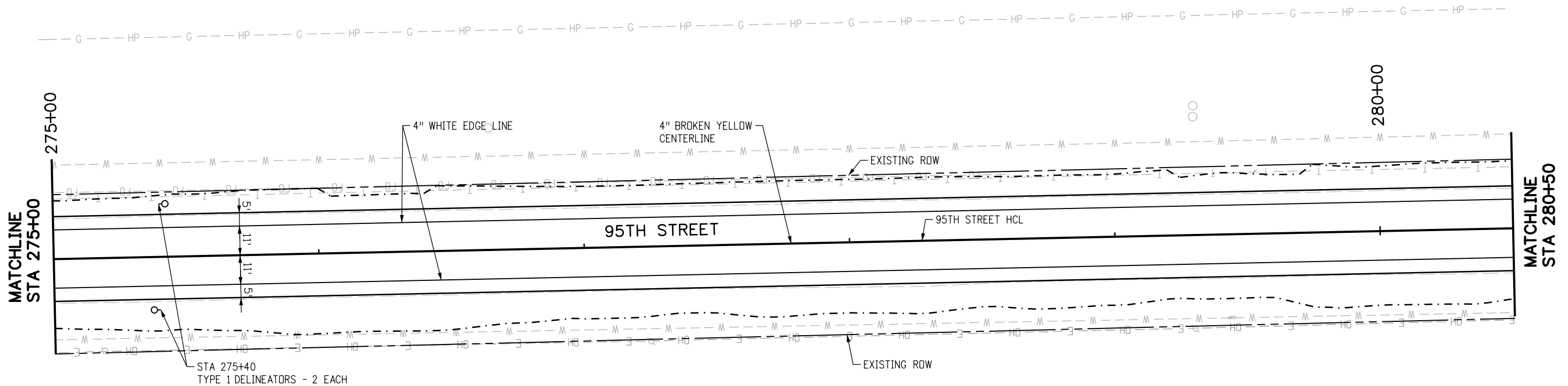
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DESIGNED: CPF CAD: NSA CHECKED: MRK DATE: 02/14/2019

95TH STREET
SIGNING & STRIPING PLAN

PROJECT NO: 74030 SHEET NO: 119

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RFC



CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

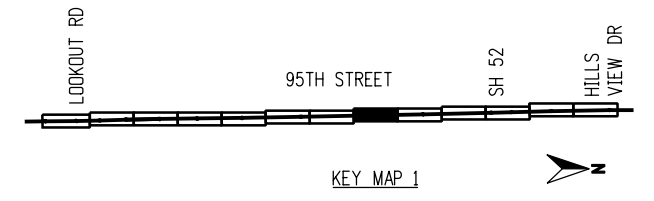
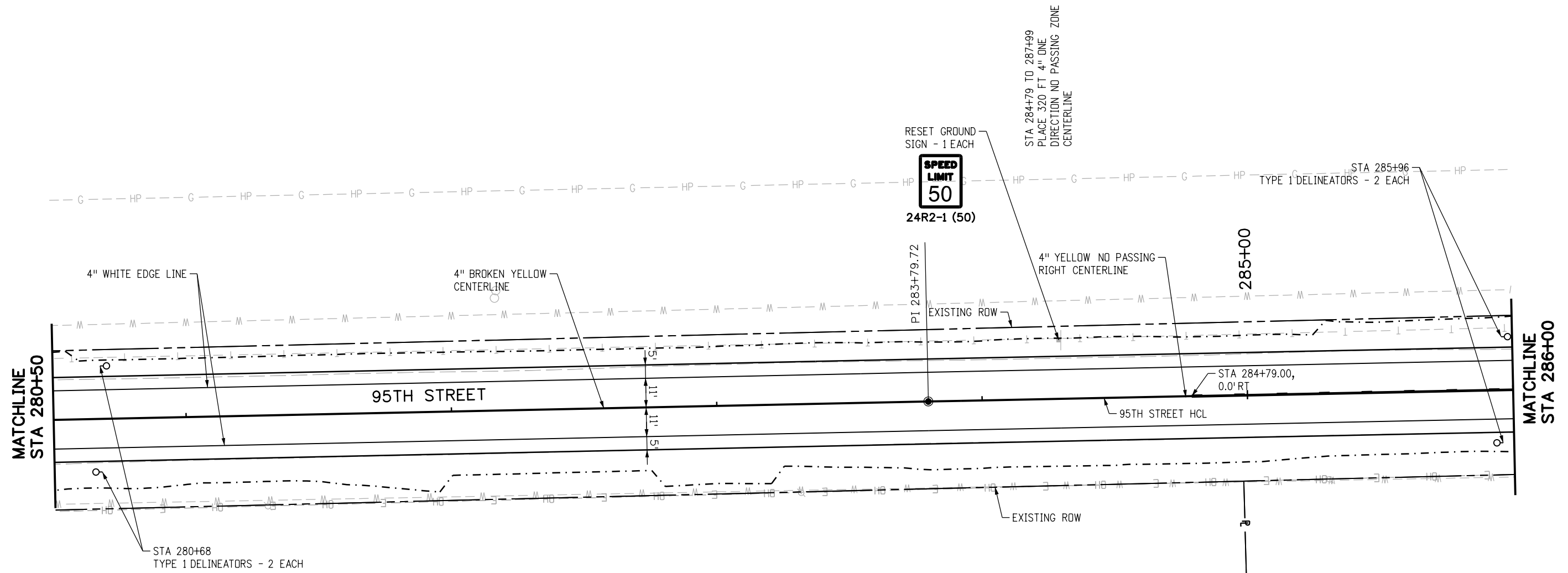


BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019
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95TH STREET SIGNING & STRIPING PLAN
 PROJECT NO: 74030 SHEET NO: 120

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RFC

811
CALL UTILITY NOTIFICATION
CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

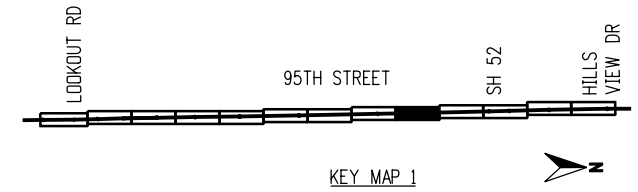
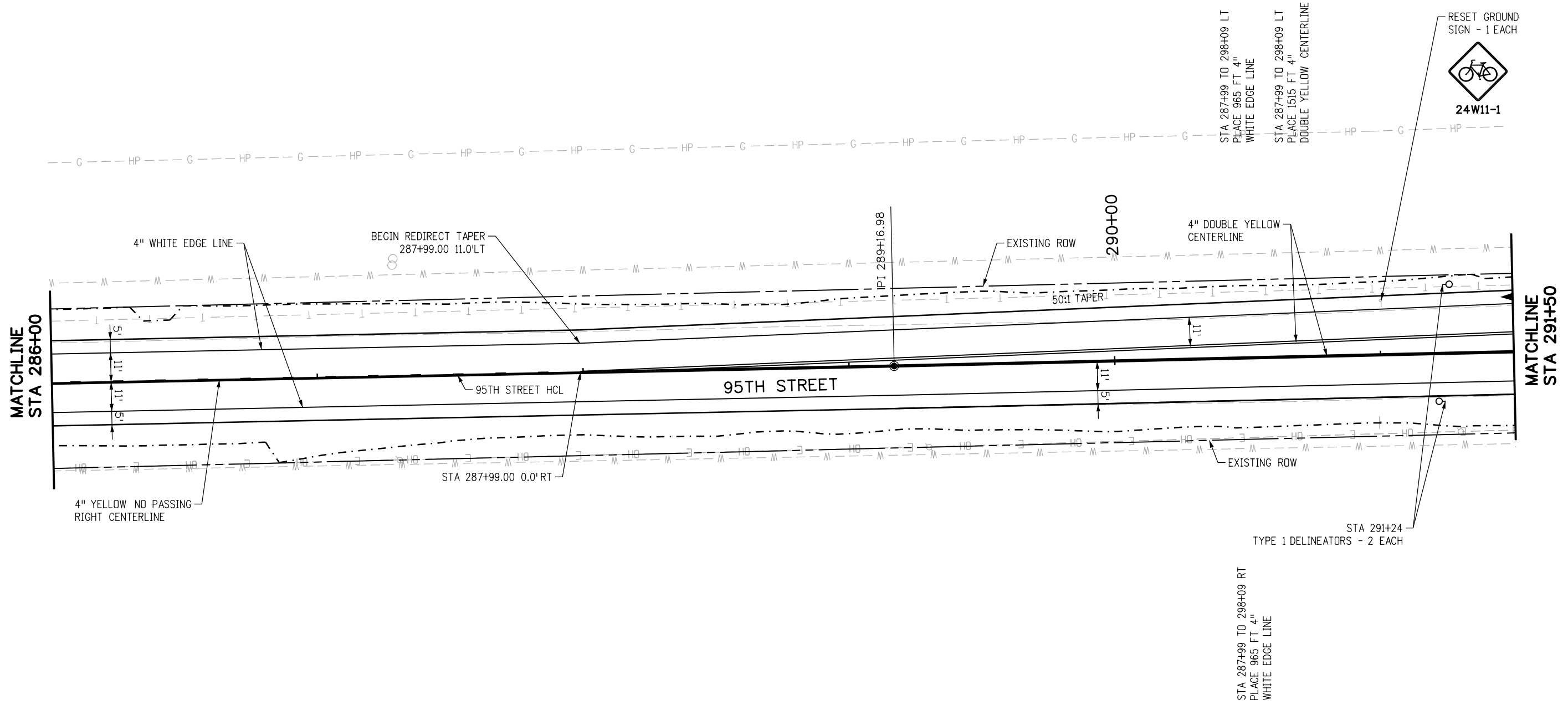
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DESIGNED: CPF CAD: NSA CHECKED: MRK DATE: 02/14/2019

95TH STREET
SIGNING & STRIPING PLAN

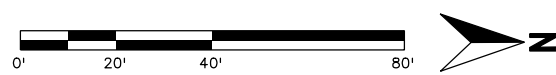
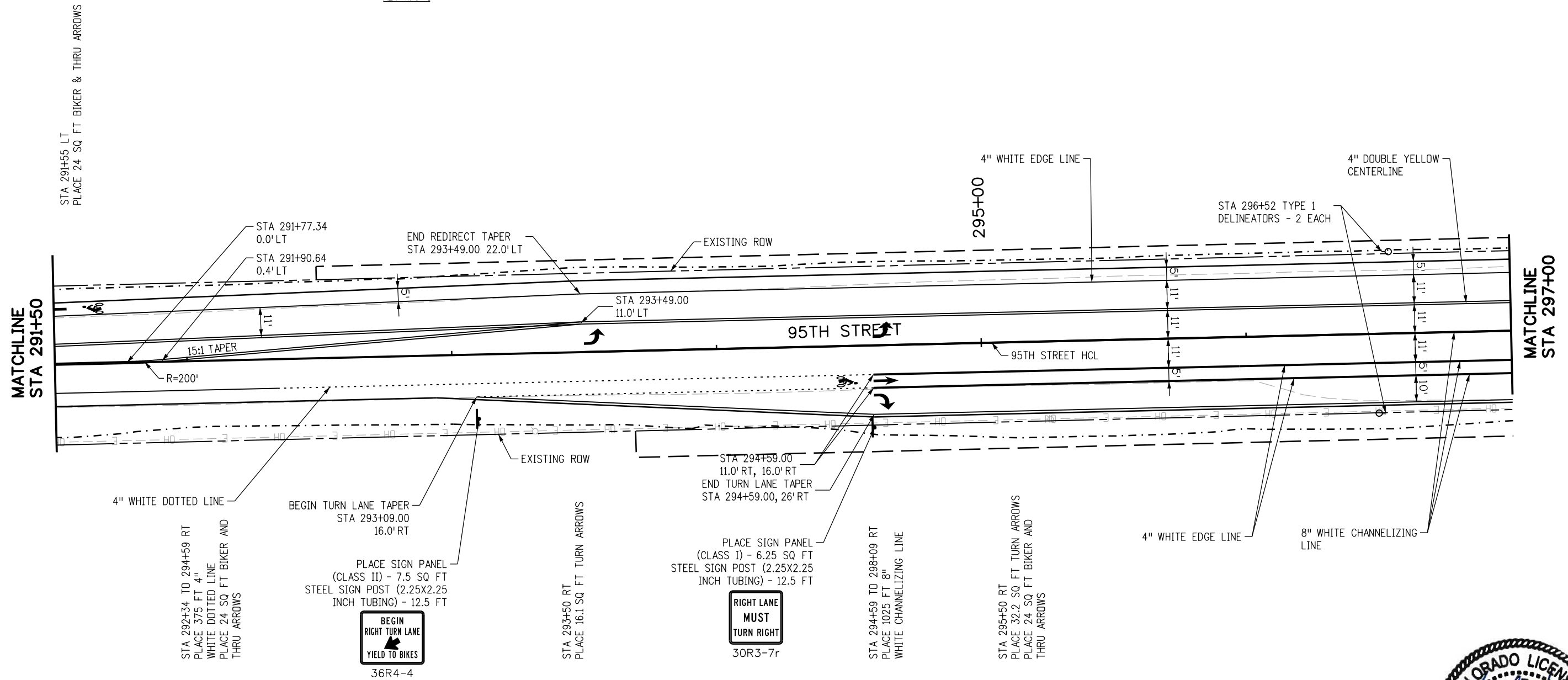
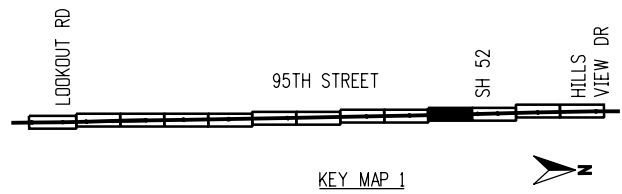
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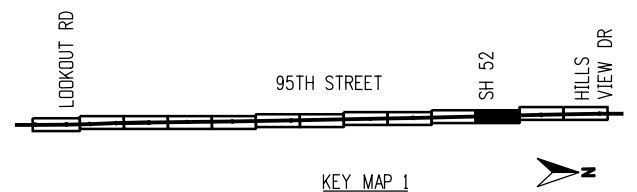
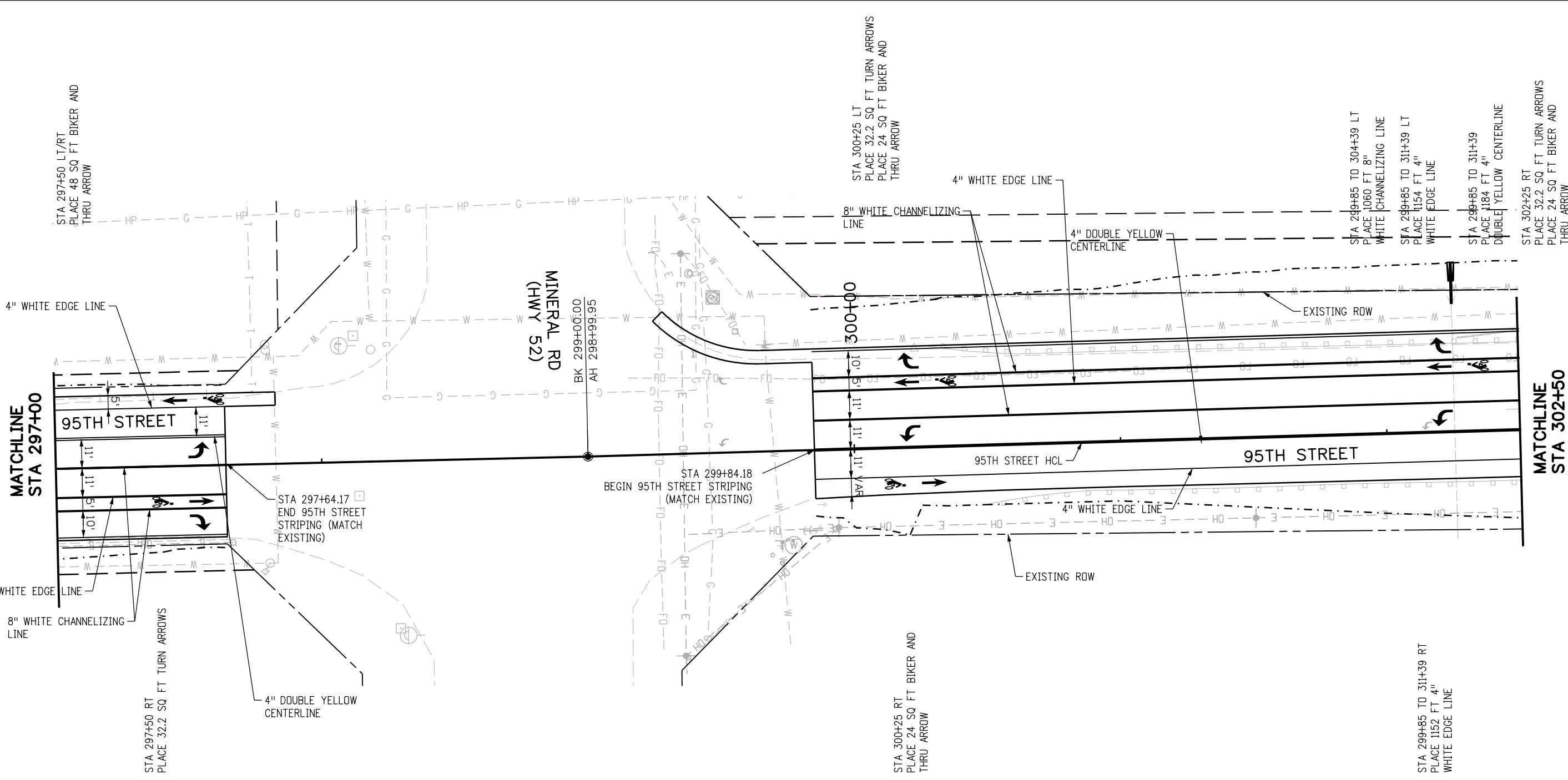
RFC	CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	NO.	DATE	REVISION DESCRIPTION:	BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION	DESIGNED:	CAD:	CHECKED:	DATE:	95TH STREET SIGNING & STRIPING PLAN PROJECT NO: 74030 SHEET NO: 122
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RFC	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	NO.	DATE	REVISION DESCRIPTION:	<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p>	DESIGNED:	CAD:	CHECKED:	DATE:	<p>95TH STREET SIGNING & STRIPING PLAN</p>	PROJECT NO: 74030	SHEET NO: 123
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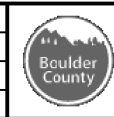


RFC



CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

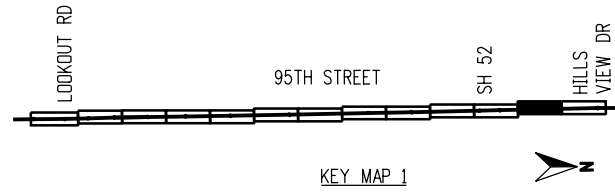


BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019
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95TH STREET SIGNING & STRIPING PLAN
 PROJECT NO: 74030 SHEET NO: 124

alison.lavery 1:50:12 PM pw:\617479-PWINT .aecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\05_Traffic\Segment 2\95th St_PMK_Sign_Seg2_12.dgn



PLACE SIGN PANEL
(CLASS I) - 6.25 SQ FT
STEEL SIGN POST (2.25X2.25
INCH TUBING) - 12.5 FT



30R3-7r

PLACE SIGN PANEL
(CLASS II) - 7.5 SQ FT
STEEL SIGN POST (2.25X2.25
INCH TUBING) - 12.5 FT

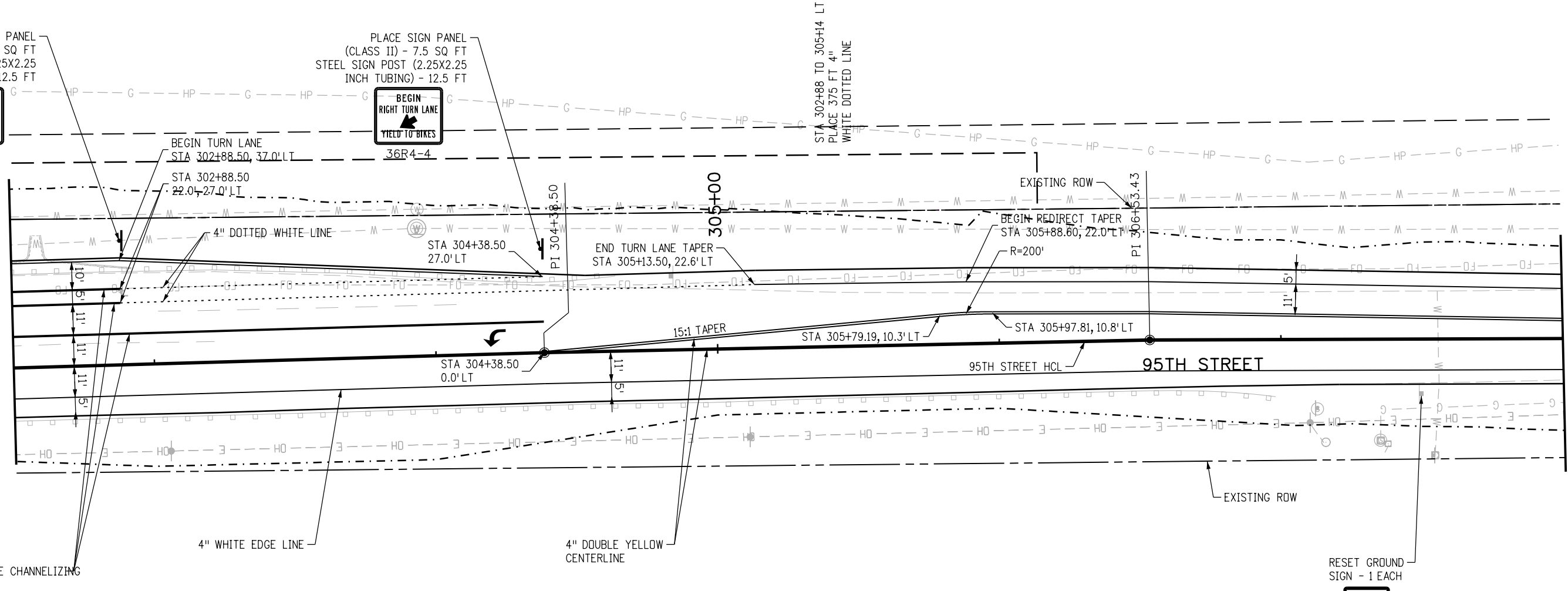


36R4-4

STA 302+88 TO 305+14 LT
PLACE 375 FT 4" WHITE DOTTED LINE

MATCHLINE
STA 302+50

MATCHLINE
STA 308+00



RESET GROUND SIGN - 1 EACH



24R2-1 (50)



RFC



CALL UTILITY NOTIFICATION CENTER OF COLORADO
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

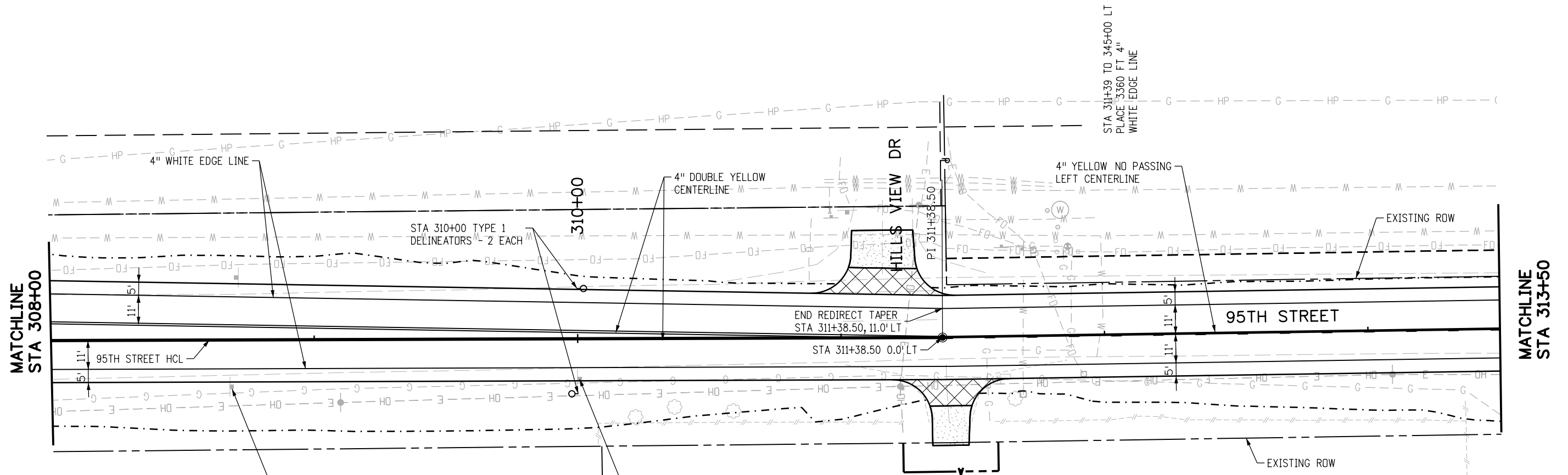
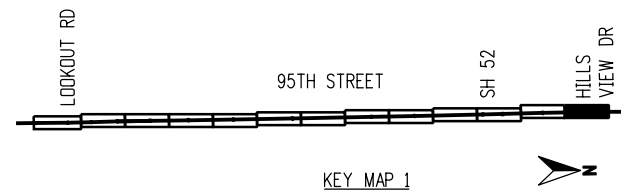


BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019
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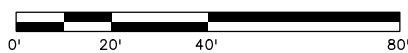
95TH STREET SIGNING & STRIPING PLAN
PROJECT NO: 74030 SHEET NO: 125

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STA 311+39 TO 345+00 RT
PLACE 3316 FT 4"
WHITE EDGE LINE

STA 311+39 TO 333+40 RT
PLACE 2202 FT 4"
ONE DIRECTION NO
PASSING CENTERLINE

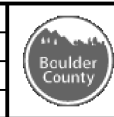


RFC



CALL UTILITY NOTIFICATION CENTER OF COLORADO
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

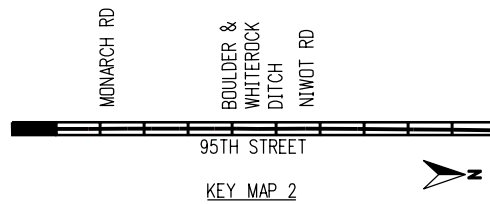
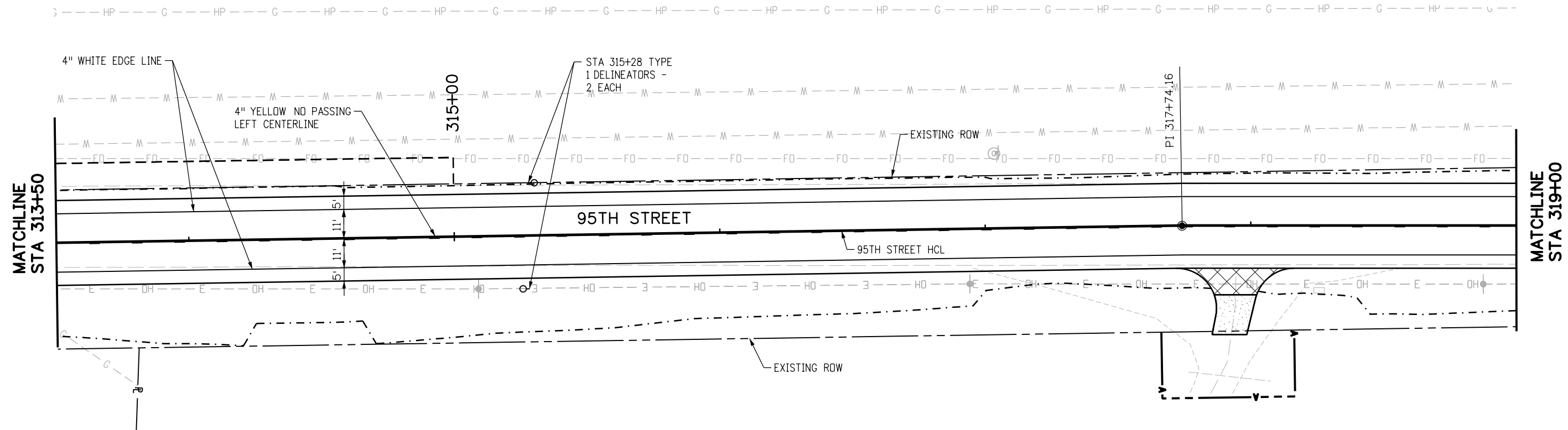


BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019
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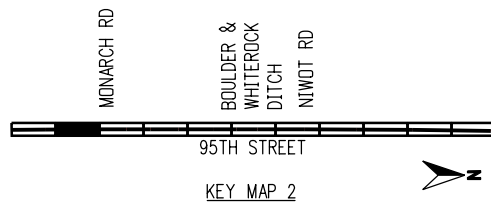
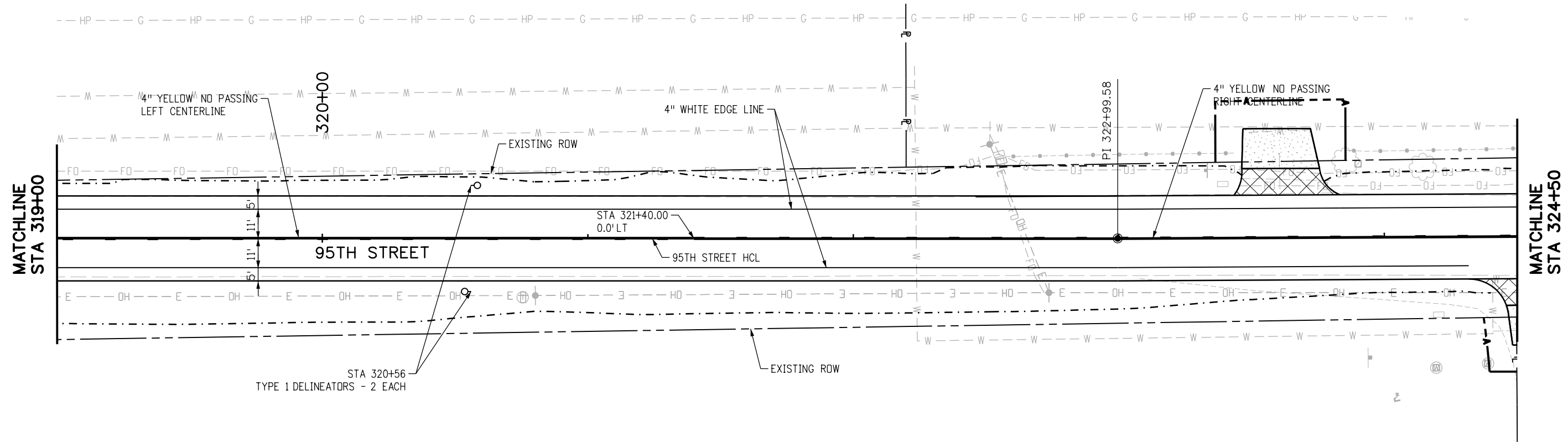
95TH STREET SIGNING & STRIPING PLAN
PROJECT NO: 74030 SHEET NO: 126

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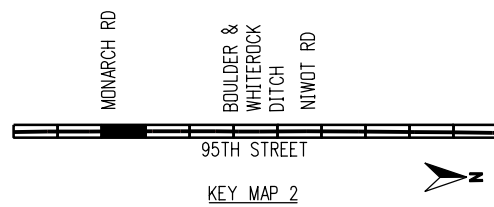
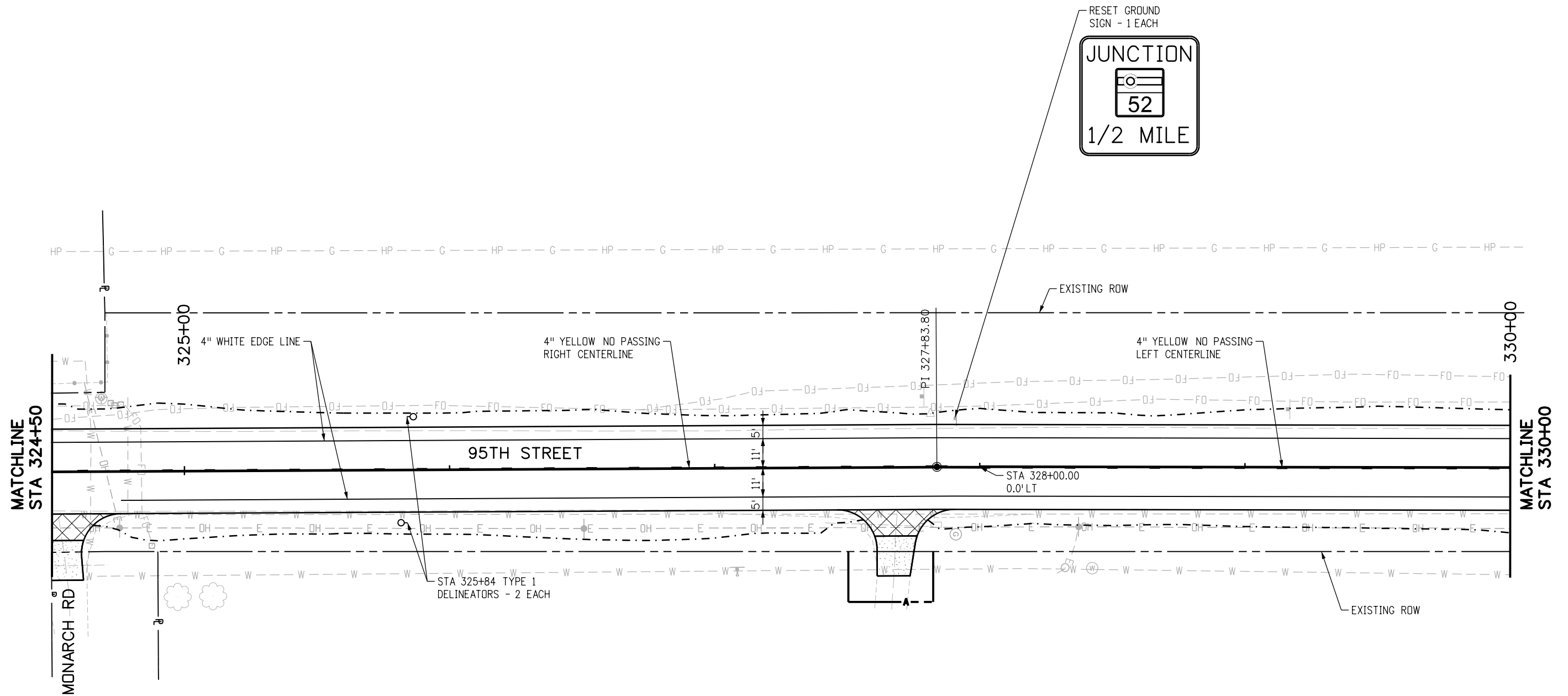
RFC	CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	NO.	DATE	REVISION DESCRIPTION:	BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION	DESIGNED:	CAD:	CHECKED:	DATE:	95TH STREET SIGNING & STRIPING PLAN	
							CPF	NSA	MRK	02/14/2019	PROJECT NO: 74030

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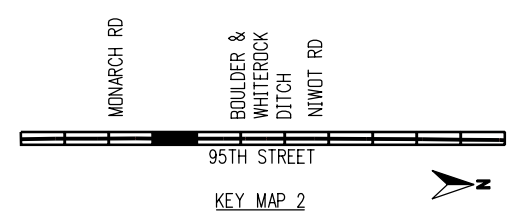
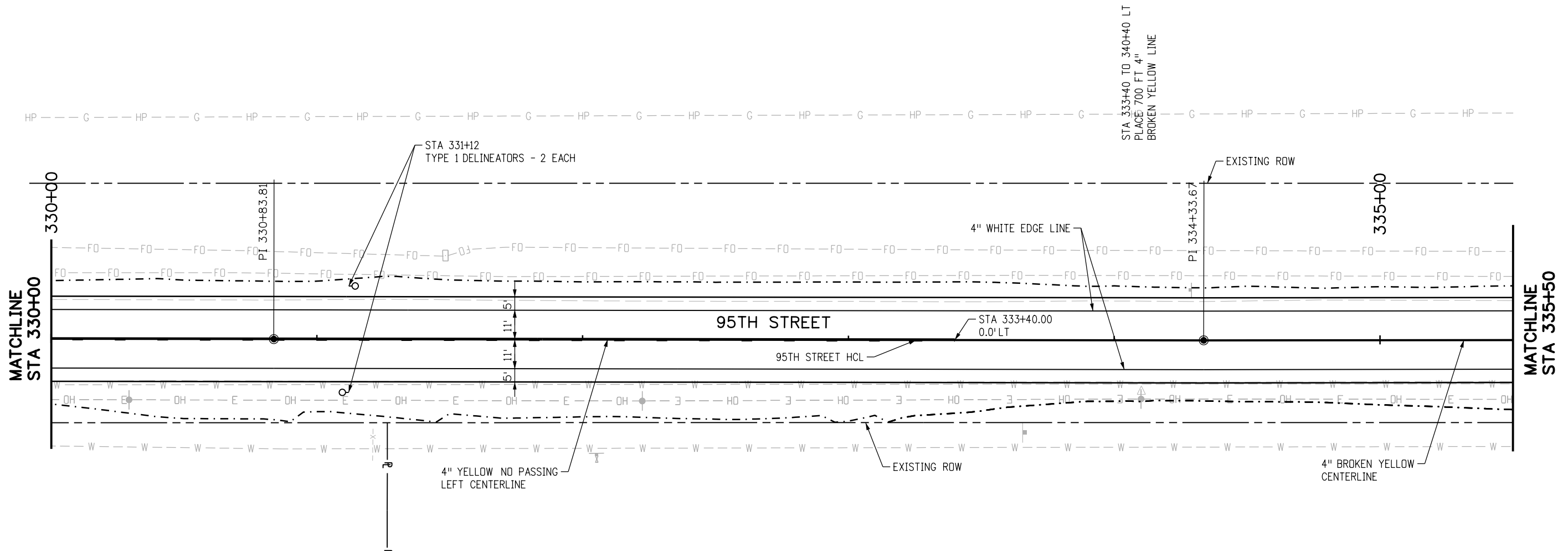
RFC	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	NO.	DATE	REVISION DESCRIPTION:	<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p>	DESIGNED:	CAD:	CHECKED:	DATE:	<p>95TH STREET SIGNING & STRIPING PLAN</p>	PROJECT NO: 74030	SHEET NO: 128
		REVISIONS:					CPF	NSA	MRK			

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RFC	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	NO.	DATE	REVISION DESCRIPTION:	<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p>	DESIGNED:	CAD:	CHECKED:	DATE:	<p>95TH STREET SIGNING & STRIPING PLAN</p>	PROJECT NO: 74030	SHEET NO: 129
		REVISIONS:					CPF	NSA	MRK			

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RFC

811
CALL UTILITY NOTIFICATION
CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

Boulder County **AECOM**

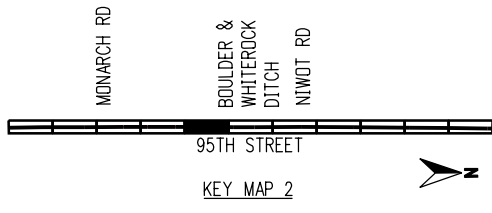
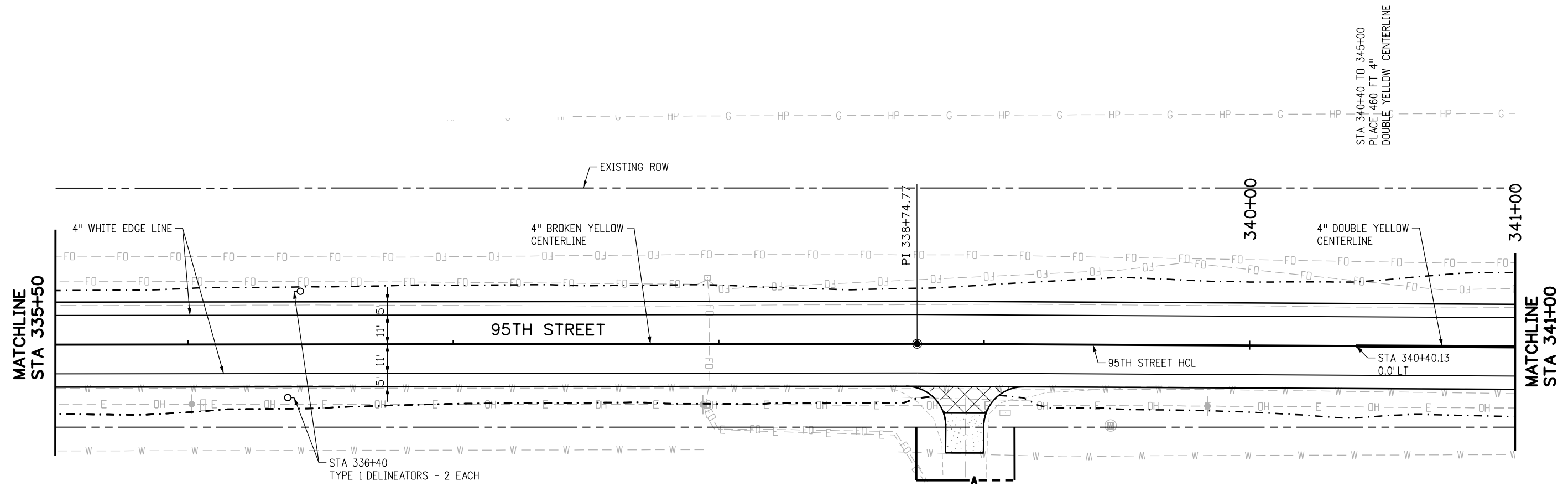
BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION

DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019
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95TH STREET
SIGNING & STRIPING PLAN

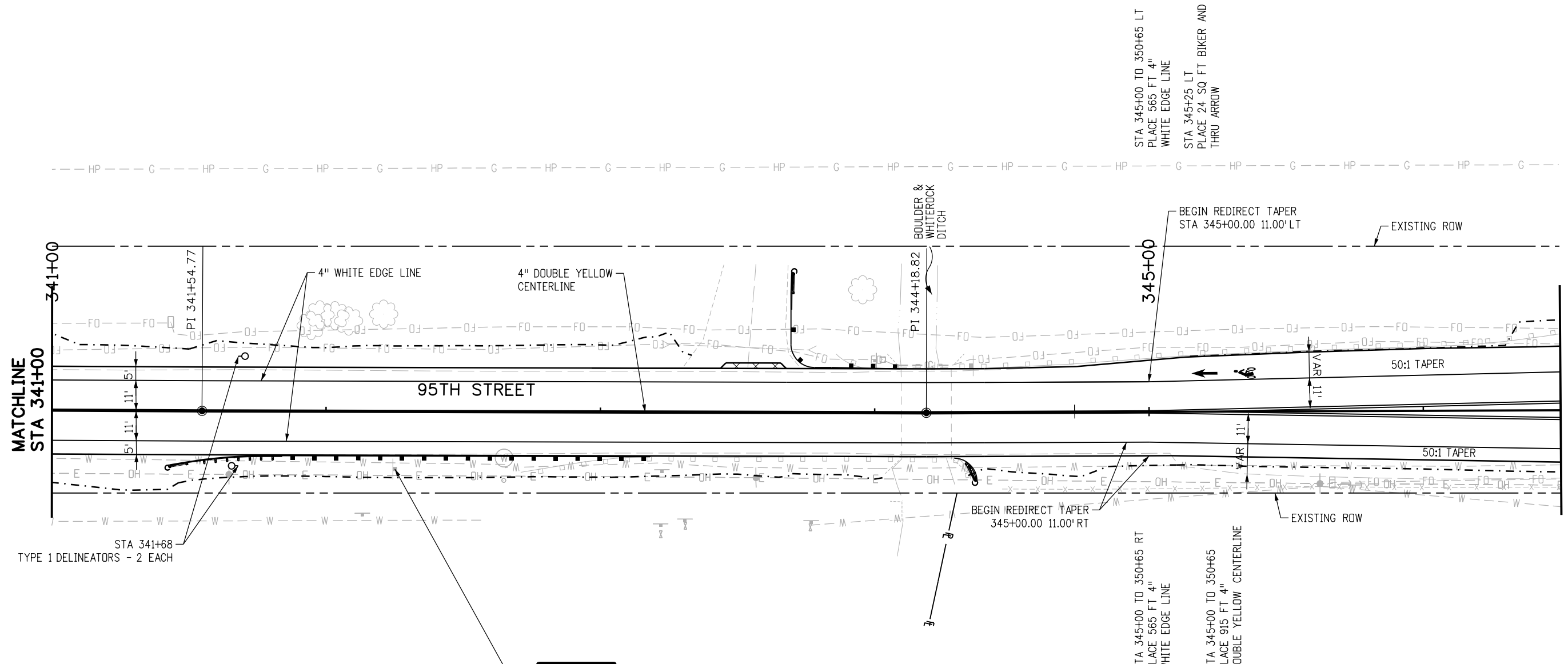
PROJECT NO: 74030 SHEET NO: 130

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RFC	CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	NO.	DATE	REVISION DESCRIPTION:	BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION AECOM	DESIGNED:	CAD:	CHECKED:	DATE:	95TH STREET SIGNING & STRIPING PLAN PROJECT NO: 74030 SHEET NO: 131
						CPF	NSA	MRK	02/14/2019	

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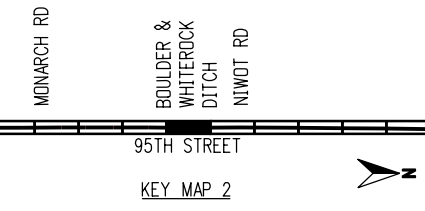



STA 345+00 TO 350+65 LT
PLACE 565 FT 4"
WHITE EDGE LINE

STA 345+25 LT
PLACE 24 SQ FT BIKER AND
THRU ARROW

STA 345+00 TO 350+65 RT
PLACE 565 FT 4"
WHITE EDGE LINE

STA 345+00 TO 350+65
PLACE 915 FT 4"
DOUBLE YELLOW CENTERLINE

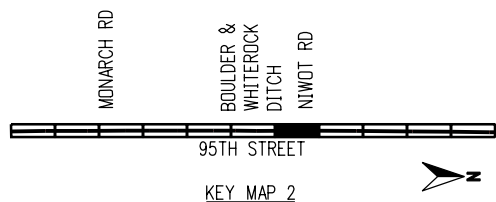
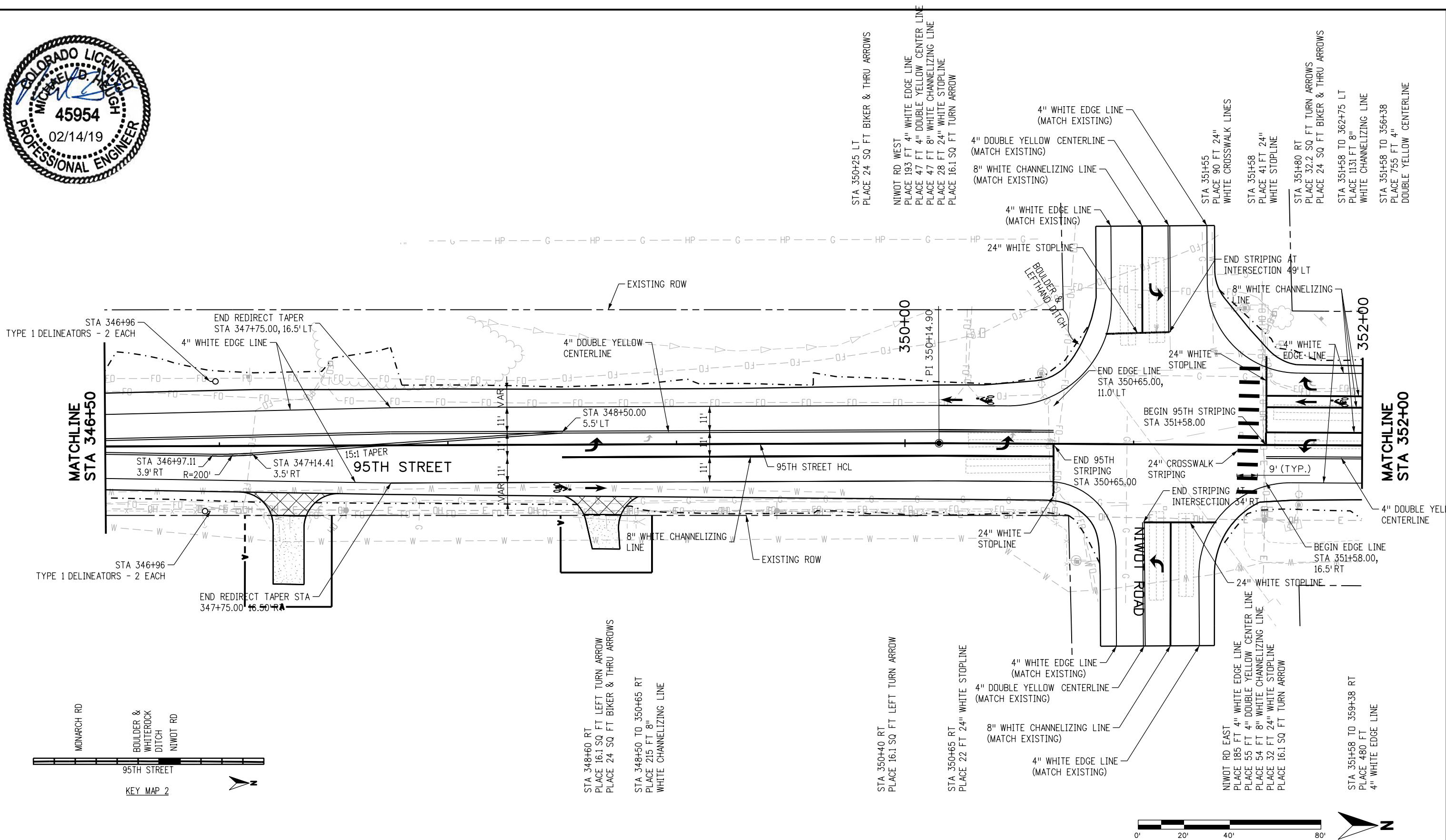


SAVE \$
Carpool 
DiagonalShift.com

RESET GROUND
SIGN - 1 EACH



alison.lavery 1:51:47 PM p:\617479-PWINT .ecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\05_Traffic\Segment 2\95th St_PMK_Sign_Seg2_20.dgn

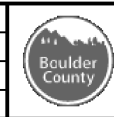


RFC



CALL UTILITY NOTIFICATION CENTER OF COLORADO
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

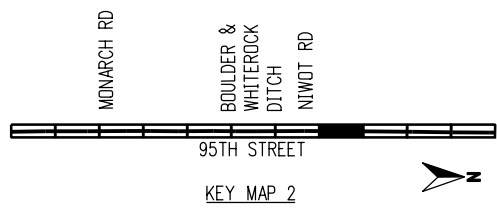
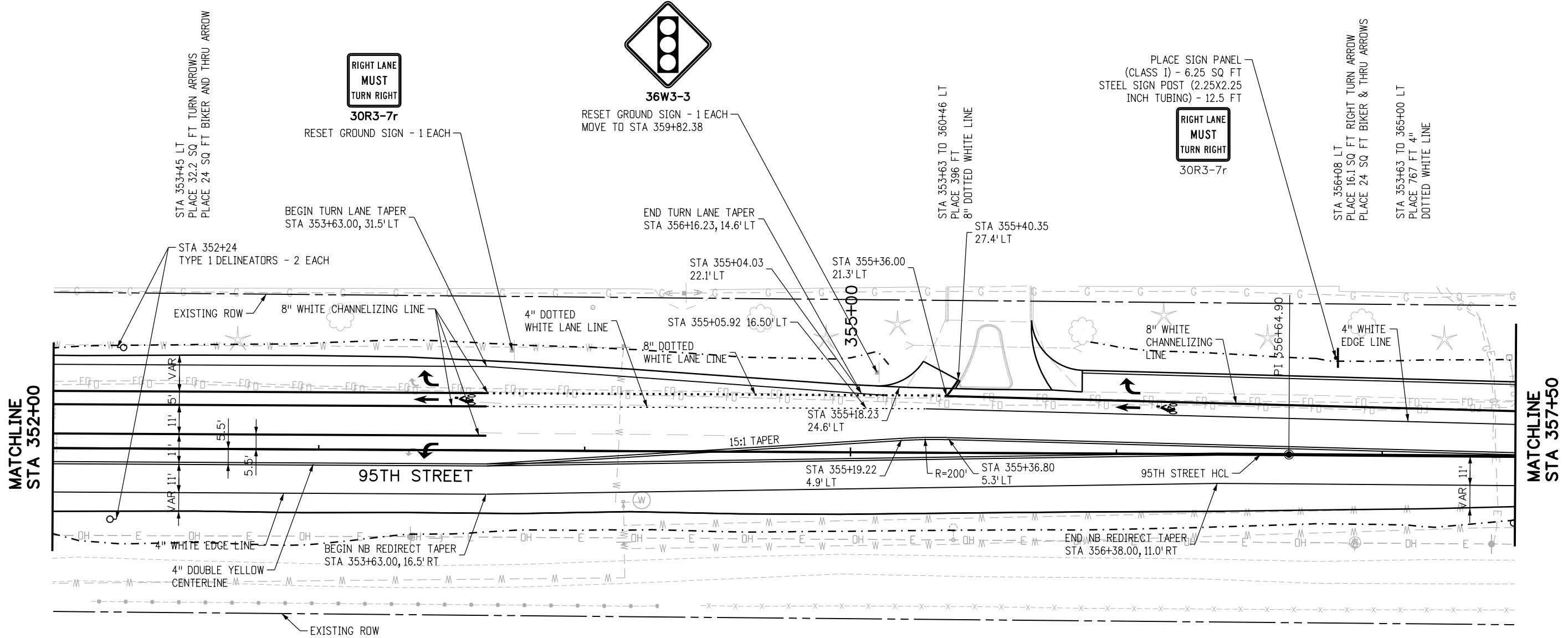


BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019
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95TH STREET SIGNING & STRIPING PLAN
PROJECT NO: 74030 SHEET NO: 133

olison.lavery 1:52:43 PM pw:\617479-PWINT.aecomonline.local:AECOM_DSO1_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\05_Traffic\Segment 2\95th St_PMK_Sign_Seg2_21.dgn



RFC

811
CALL UTILITY NOTIFICATION
CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

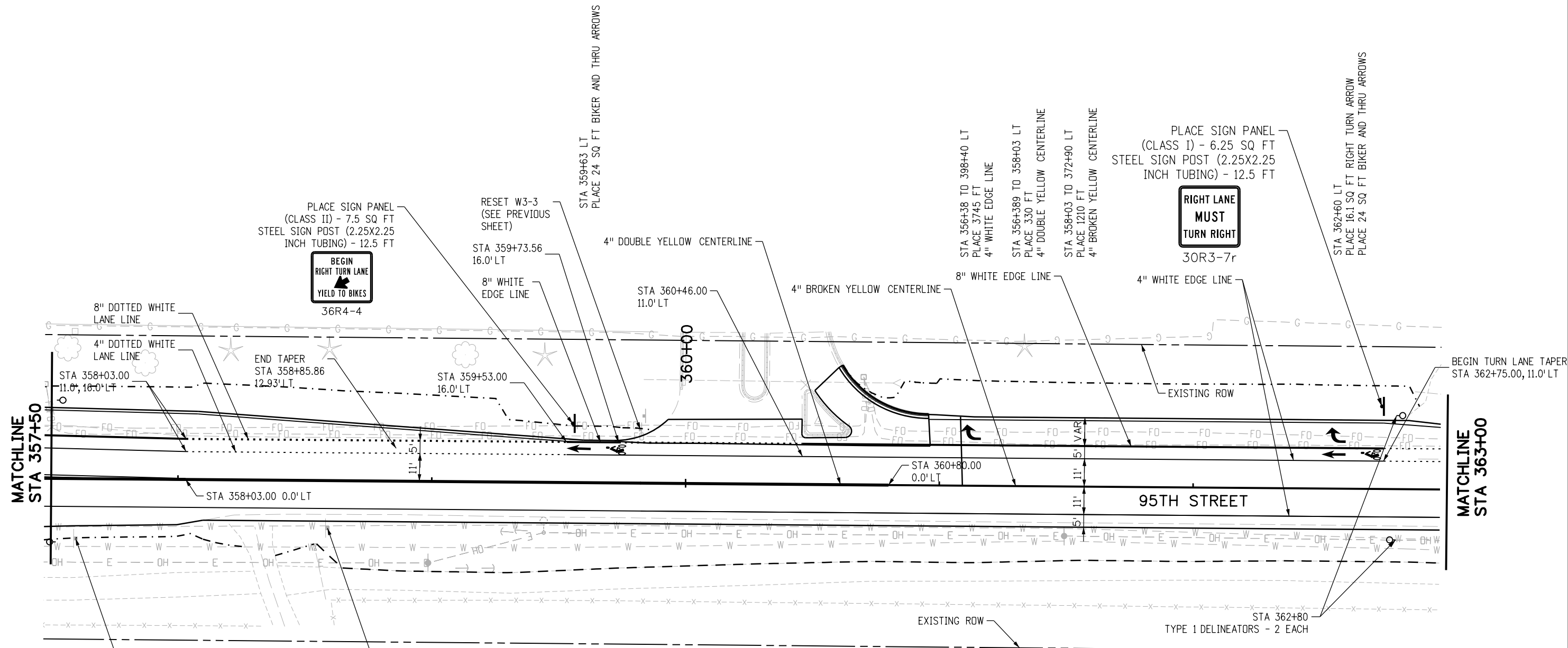
AECOM

DESIGNED: CPF CAD: NSA CHECKED: MRK DATE: 02/14/2019

95TH STREET
SIGNING & STRIPING PLAN

PROJECT NO: 74030 SHEET NO: 134

alison.lavery 1:52:55 PM pw:\617479-PWINT.aecomonline.locat:AECOM.DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\05_Traffic\Segment 2\95th St_PMK_Sign_Seg2_22.dgn



PLACE SIGN PANEL (CLASS II) - 7.5 SQ FT STEEL SIGN POST (2.25X2.25 INCH TUBING) - 12.5 FT



36R4-4

RESET W3-3 (SEE PREVIOUS SHEET)

STA 359+73.56 16.0' LT

8" WHITE EDGE LINE

4" DOUBLE YELLOW CENTERLINE

STA 360+46.00 11.0' LT

4" BROKEN YELLOW CENTERLINE

8" WHITE EDGE LINE

PLACE SIGN PANEL (CLASS I) - 6.25 SQ FT STEEL SIGN POST (2.25X2.25 INCH TUBING) - 12.5 FT



30R3-7r

STA 362+60 LT PLACE 16.1 SQ FT RIGHT TURN ARROW PLACE 24 SQ FT BIKER AND THRU ARROWS

BEGIN TURN LANE TAPER STA 362+75.00, 11.0' LT

RESET GROUND SIGN - 1 EACH



24R2-1 (50)

RESET GROUND SIGN - 1 EACH



36S3-1

STA 356+38 TO 398+40 RT PLACE 4117 FT 4" WHITE EDGE LINE



RFC



CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION

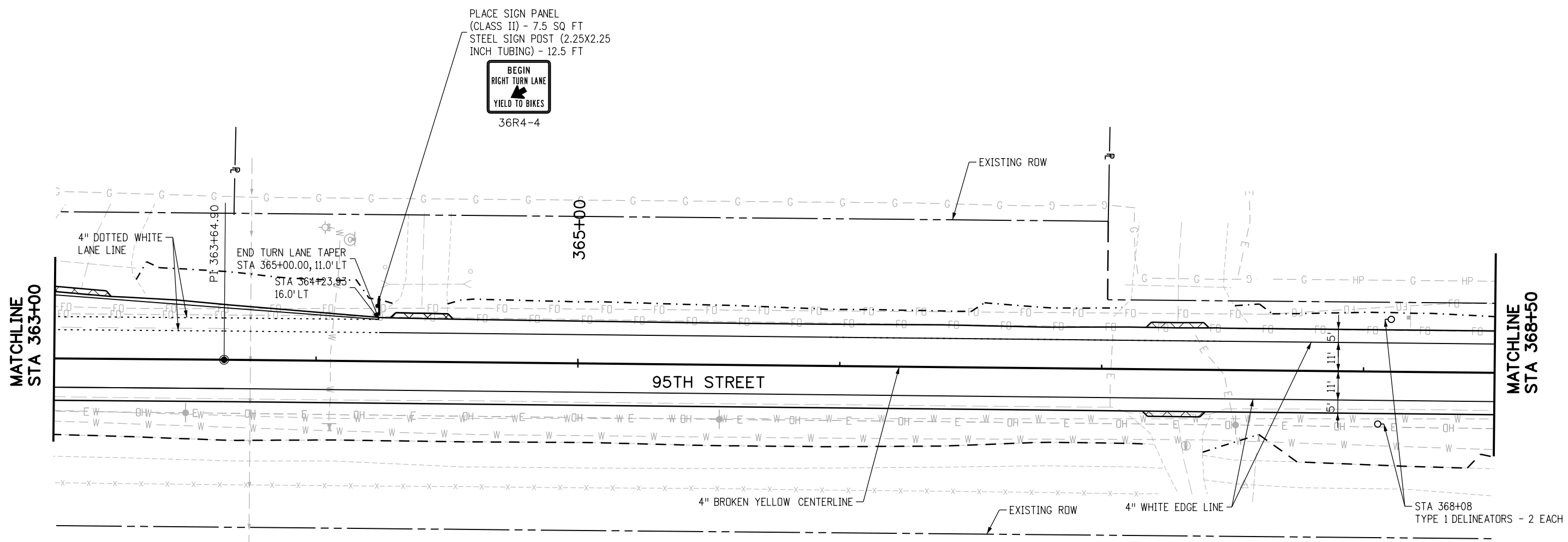
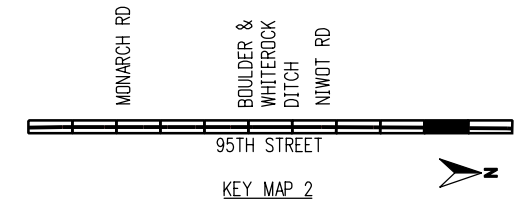


DESIGNED: CPF CAD: NSA CHECKED: MRK DATE: 02/14/2019

95TH STREET SIGNING & STRIPING PLAN

PROJECT NO: 74030 SHEET NO: 135

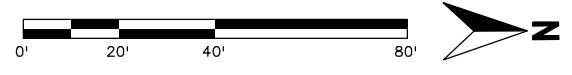
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PLACE SIGN PANEL
(CLASS II) - 7.5 SQ FT
STEEL SIGN POST (2.25X2.25
INCH TUBING) - 12.5 FT



36R4-4



RFC

811
CALL UTILITY NOTIFICATION
CENTER OF COLORADO
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

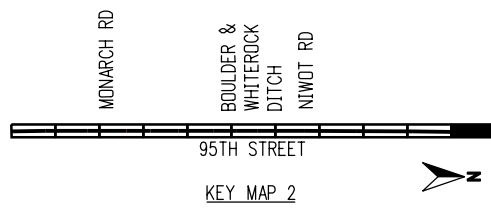
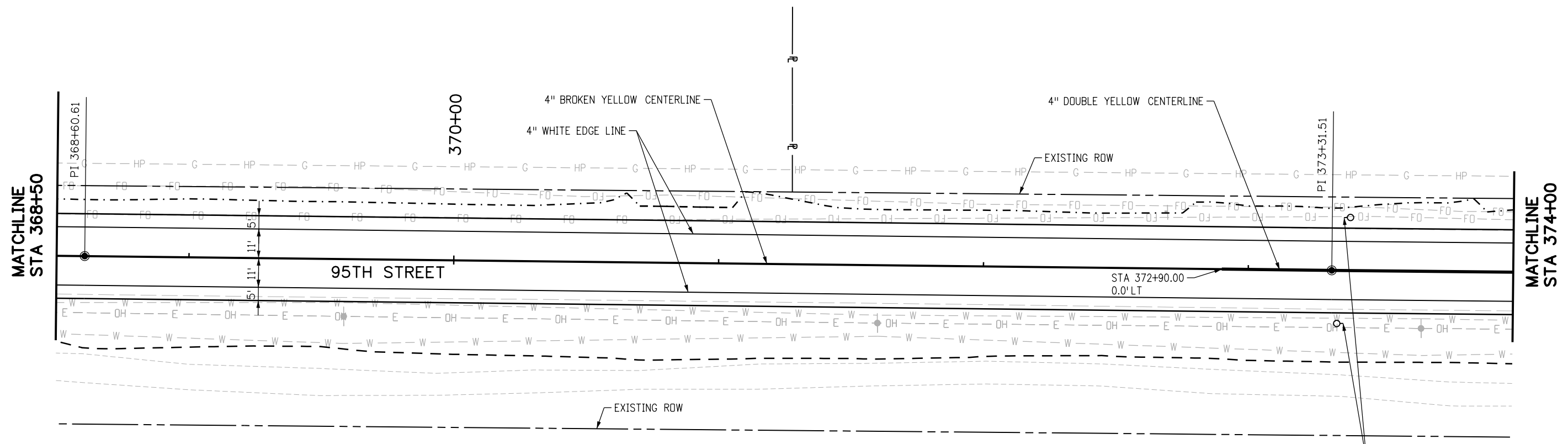
NO.	DATE	REVISION DESCRIPTION:

BOULDER COUNTY
BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019
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**95TH STREET
SIGNING & STRIPING PLAN**
PROJECT NO: 74030 SHEET NO: 136

alison.lavery 1:53:21 PM pwr:\617479-PWINT.aecomonline.local\AECOM\DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\05_Traffic\Segment 2\95th St_PMK_Sign_Seg2_24.dgn



STA 372+90 TO STA 398+40 RT
PLACE 2464 FT DOUBLE YELLOW
CENTERLINE



RFC

811
CALL UTILITY NOTIFICATION
CENTER OF COLORADO
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

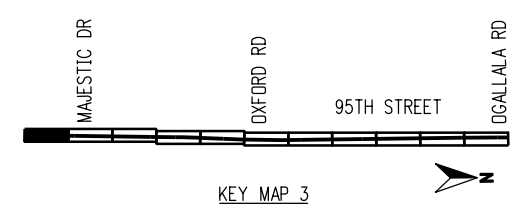
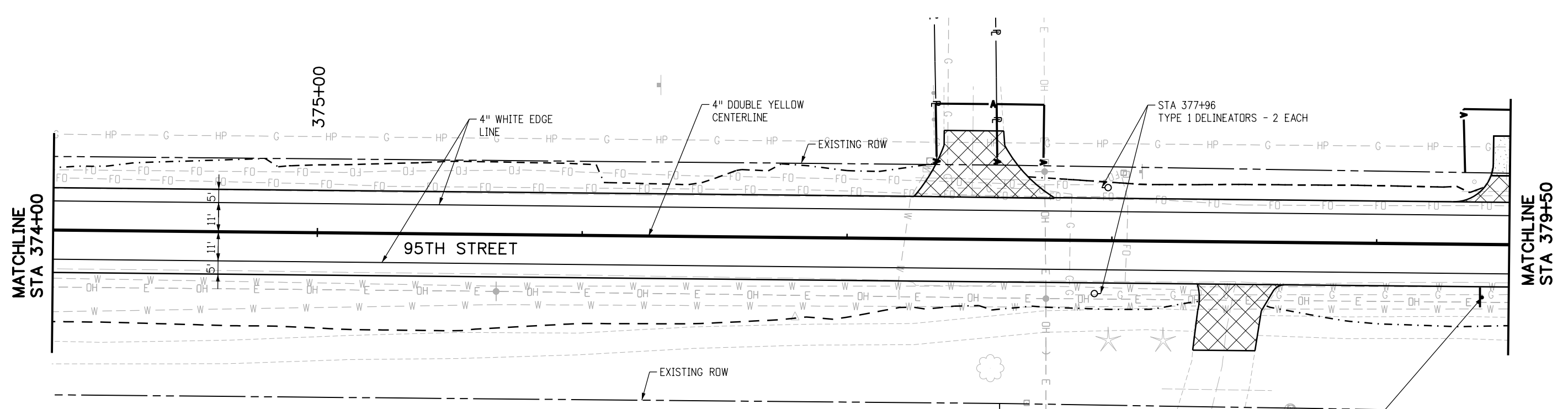


Boulder County
AECOM
BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019
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**95TH STREET
SIGNING & STRIPING PLAN**
PROJECT NO: 74030 SHEET NO: 137

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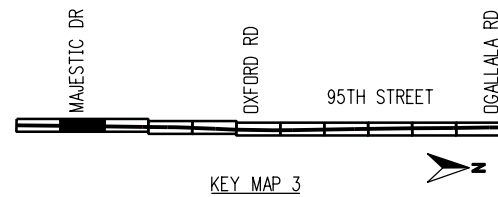
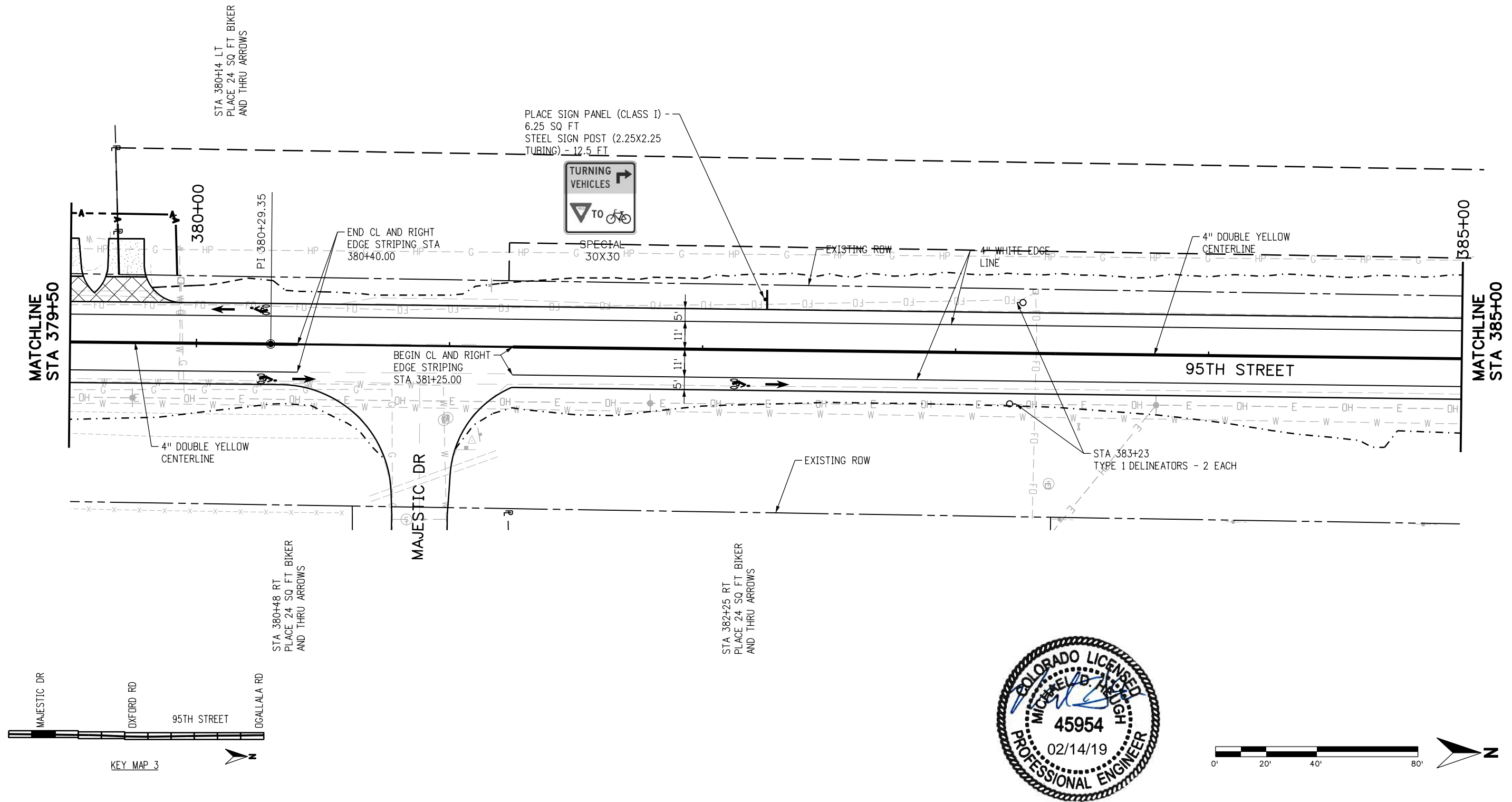


PLACE SIGN PANEL (CLASS 1) -
6.25 SQ FT
STEEL SIGN POST (2.25X2.25
TUBING) - 12.5 FT



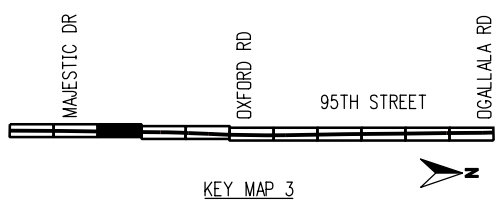
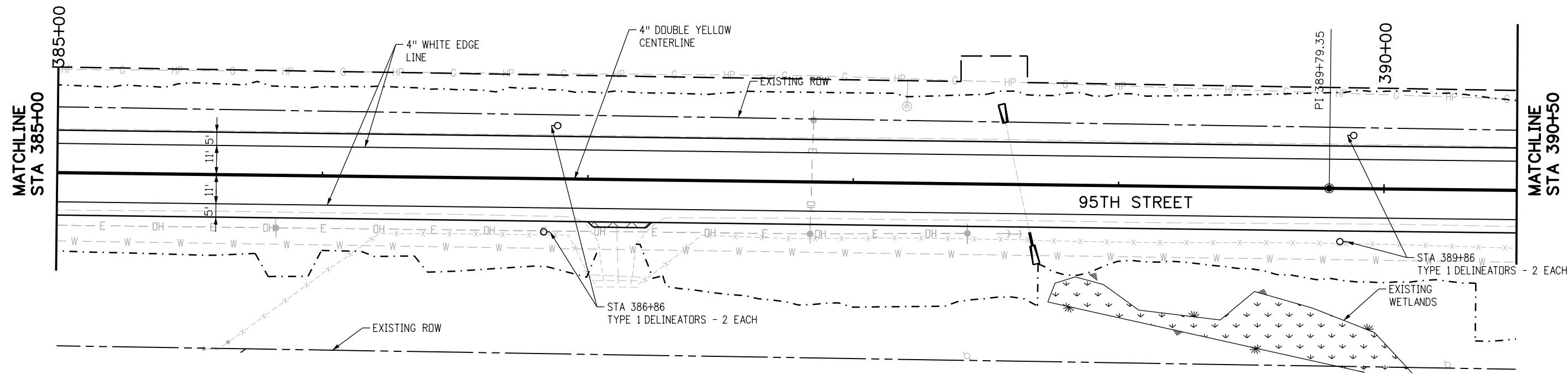
RFC	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	<p>REVISIONS:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 85%;">REVISION DESCRIPTION:</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> </tbody> </table>	NO.	DATE	REVISION DESCRIPTION:										<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p> <p>AECOM</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DESIGNED: CPF</td> <td>CAD: NSA</td> <td>CHECKED: MRK</td> <td>DATE: 02/14/2019</td> </tr> </table>	DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019	<p>95TH STREET SIGNING & STRIPING PLAN</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>PROJECT NO: 74030</td> <td>SHEET NO: 138</td> </tr> </table>	PROJECT NO: 74030	SHEET NO: 138
NO.	DATE	REVISION DESCRIPTION:																					
DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019																				
PROJECT NO: 74030	SHEET NO: 138																						

alison.lavery 1:53:46 PM pw:\617479-PWINT\occomonline.local\AECOM_DSO1_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\05_Traffic\Segment 2\95th St_PMK_Sign_Seg2_26.dgn



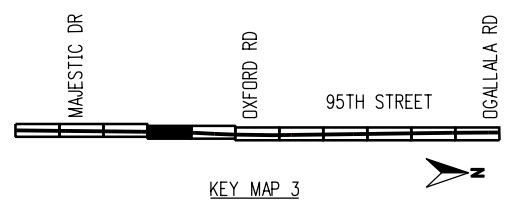
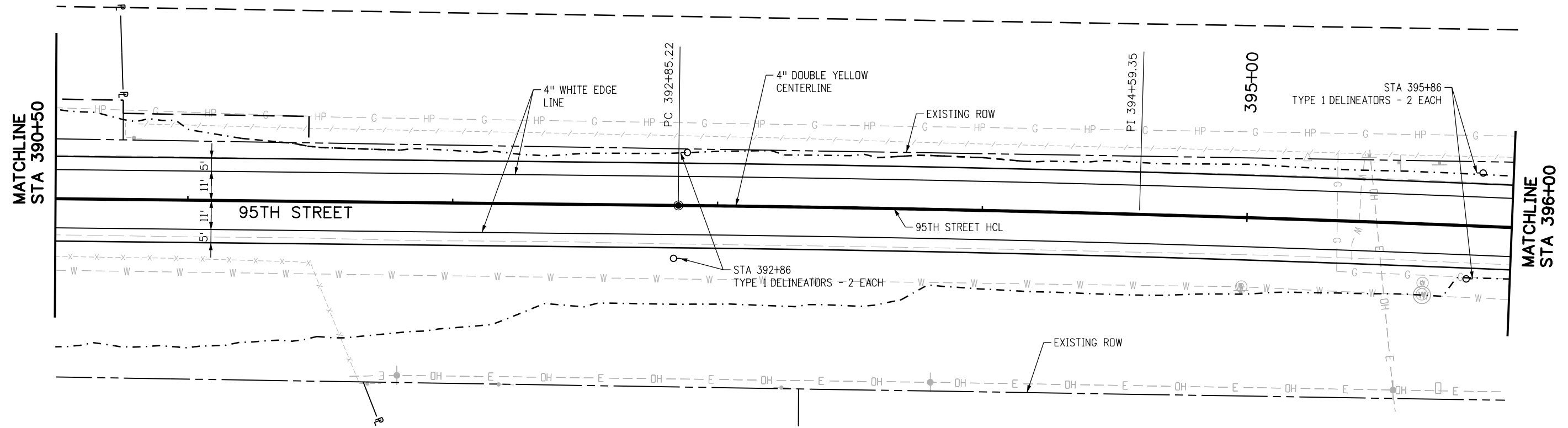
RFC	CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	NO.	DATE	REVISION DESCRIPTION:	BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION	DESIGNED:	CAD:	CHECKED:	DATE:	95TH STREET SIGNING & STRIPING PLAN PROJECT NO: 74030 SHEET NO: 139
							CPF	NSA	MRK	

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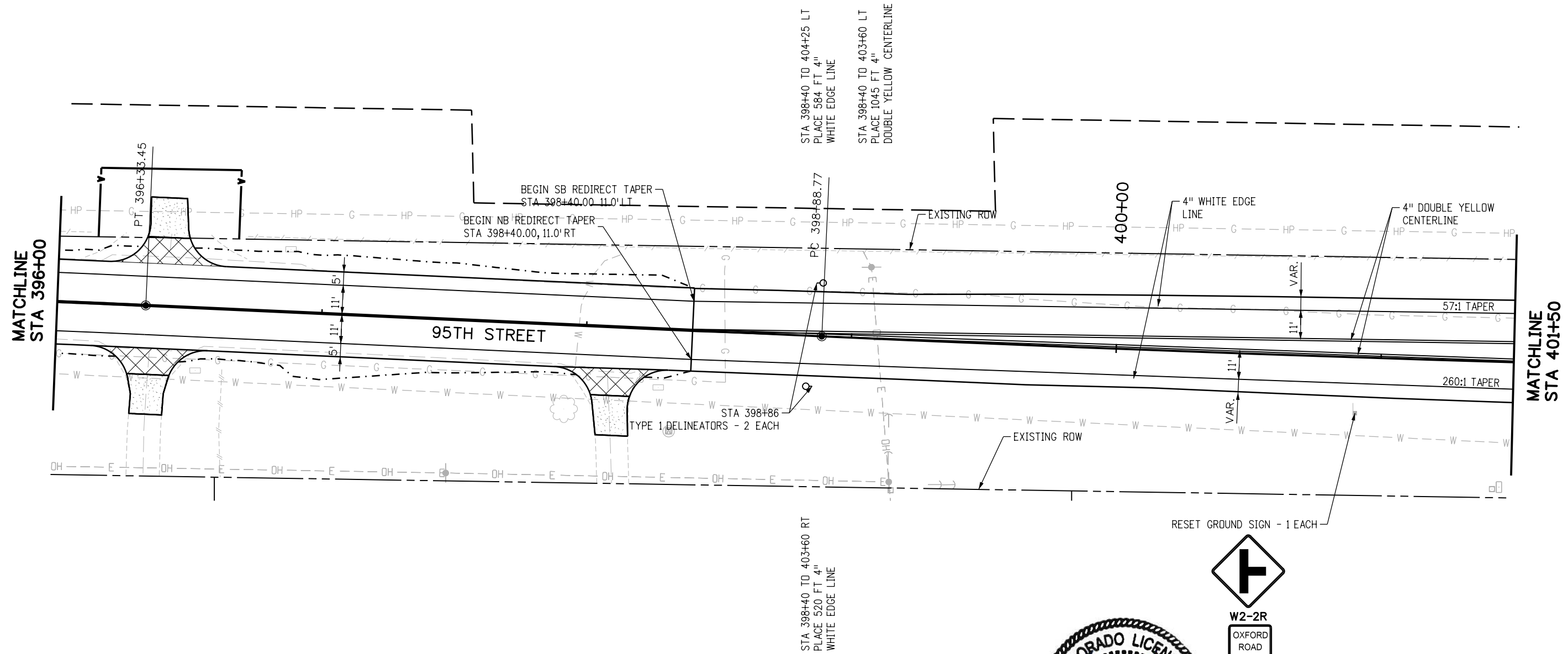
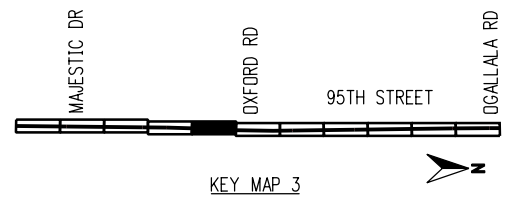
RFC	CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	NO.	DATE	REVISION DESCRIPTION:	BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION	DESIGNED:	CAD:	CHECKED:	DATE:	95TH STREET SIGNING & STRIPING PLAN PROJECT NO: 74030 SHEET NO: 140
						CPF	NSA	MRK	02/14/2019	

alison.lavery 1:54:16 PM pw:\617479-PWINT_aecomonline\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\05_Traffic\Segment 2\95th St_PMK_Sign_Seg2_28.dgn



RFC	CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	NO.	DATE	REVISION DESCRIPTION:	BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION AECOM	DESIGNED:	CAD:	CHECKED:	DATE:	95TH STREET SIGNING & STRIPING PLAN PROJECT NO: 74030 SHEET NO: 141
						CPF	NSA	MRK	02/14/2019	

olison.lavery 1:54:31 PM pw:\617479-PWINT.aecomonline.local\AECOM\DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\05_Traffic\Segment 2\95th St_PMK_Sign_Seg2_29.dgn



RFC

811
CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

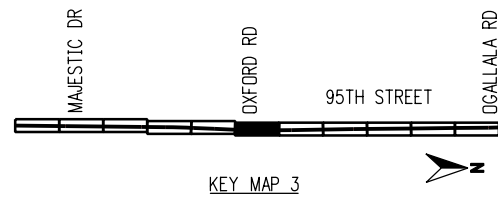
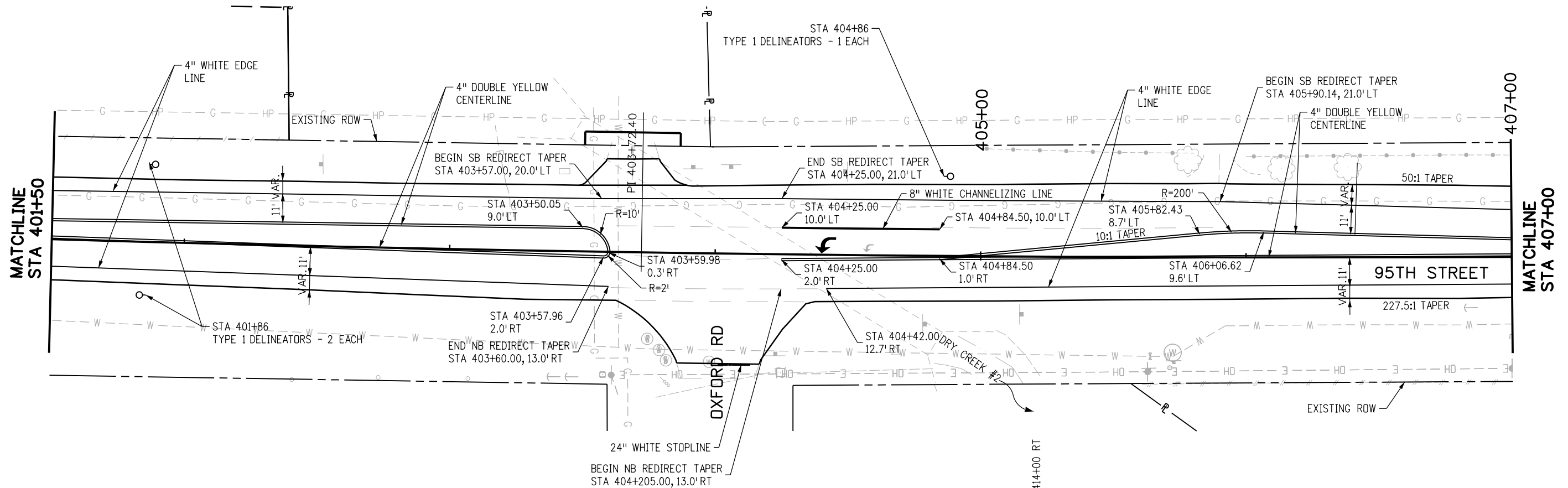
NO.	DATE	REVISION DESCRIPTION:

Boulder County **AECOM** **BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION**

DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019
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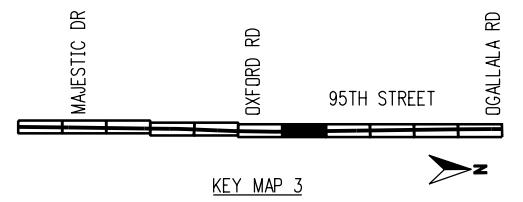
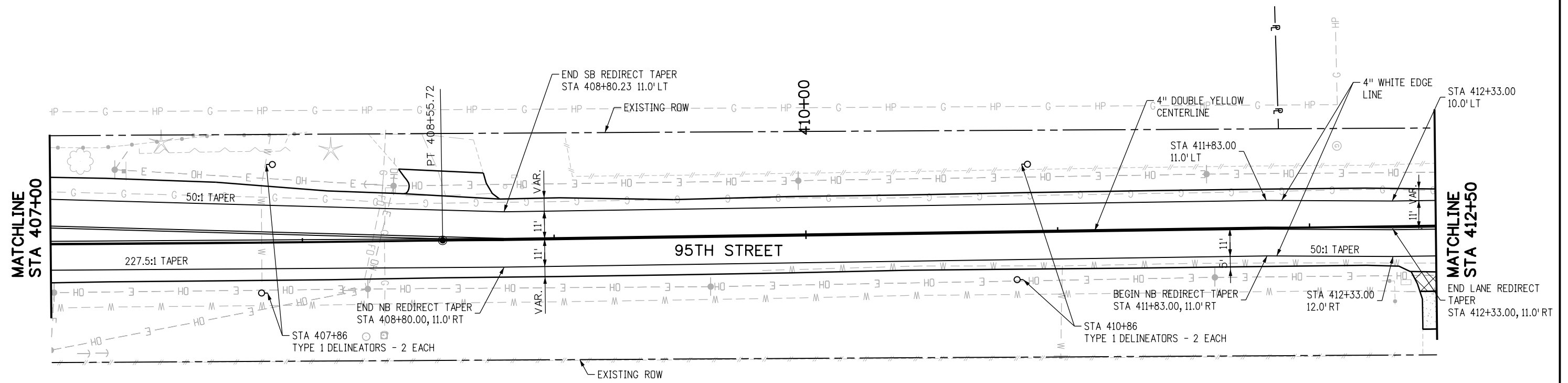
95TH STREET SIGNING & STRIPING PLAN
 PROJECT NO: 74030 SHEET NO: 142

alison.lavery 1:54:48 PM pw:\617479-PWINT.aecomonline.local\AECOM.DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\05_Traffic\Segment 2\95th St_PMK_Sign_Seg2_30.dgn



RFC		CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	NO.	DATE	REVISION DESCRIPTION:		BOULDER COUNTY TRANSPORTATION DEPARTMENT				95TH STREET SIGNING & STRIPING PLAN	
			DESIGNED:	CAD:	CHECKED:		DATE:	ENGINEERING DIVISION				
							CPF	NSA	MRK	02/14/2019	PROJECT NO: 74030	SHEET NO: 143

alison.lavery 1:55:41 PM pw:\617479-PWINT\ecomonline.local\AECOM\DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\05_Traffic\Segment 2\95th St_PMK_Sign_Seg2_31.dgn



RFC

811
CALL UTILITY NOTIFICATION
CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

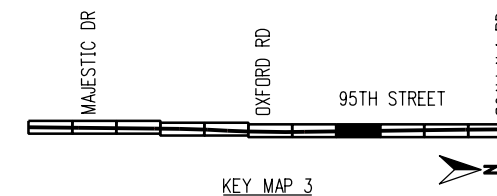
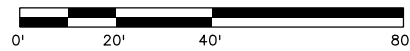
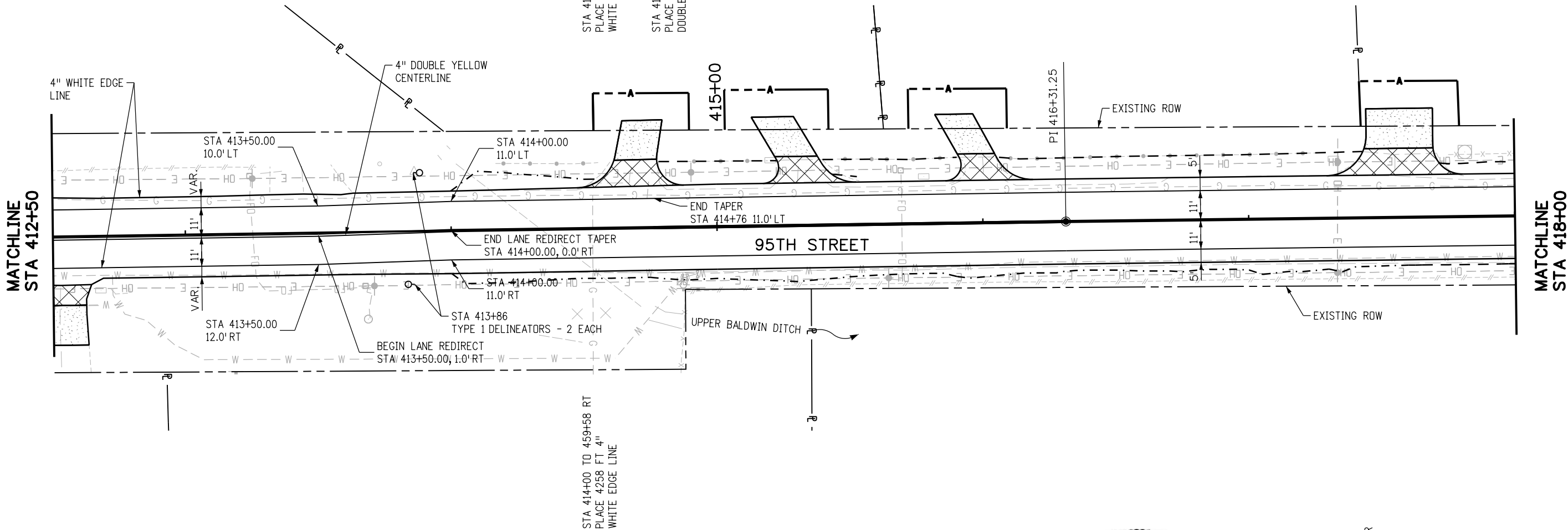
AECOM

DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019
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95TH STREET
SIGNING & STRIPING PLAN

PROJECT NO: 74030 SHEET NO: 144

alison.lavery 1:55:58 PM pw:\617479-PWINT.aecomonline.locat:AECOM_DSO1_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\05_Traffic\Segment 2\95th St_PMK_Sign_Seg2_32.dgn



RFC



CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

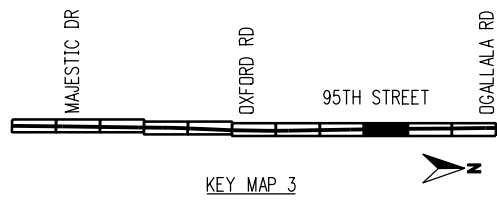
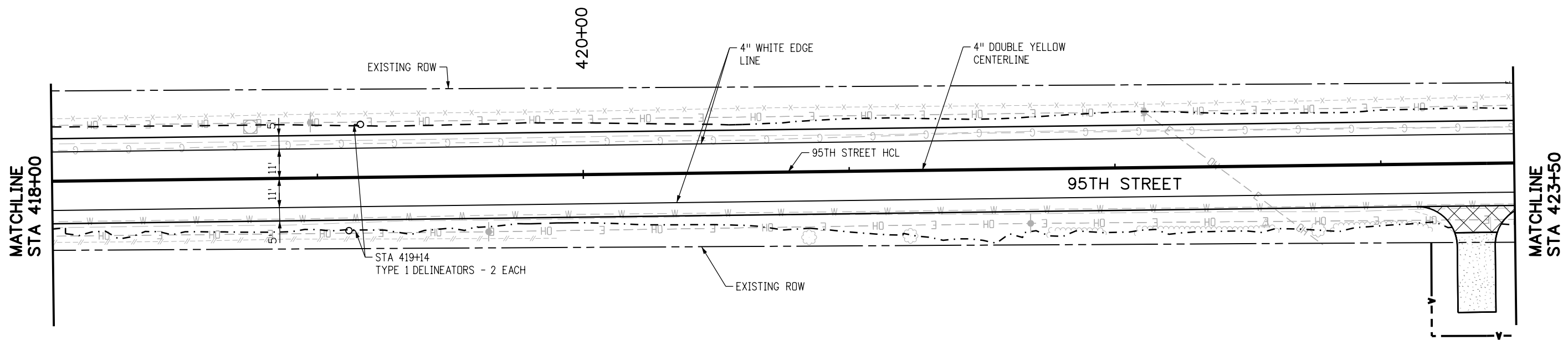


BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019
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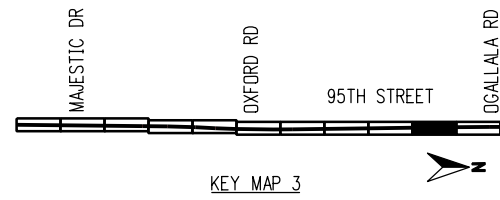
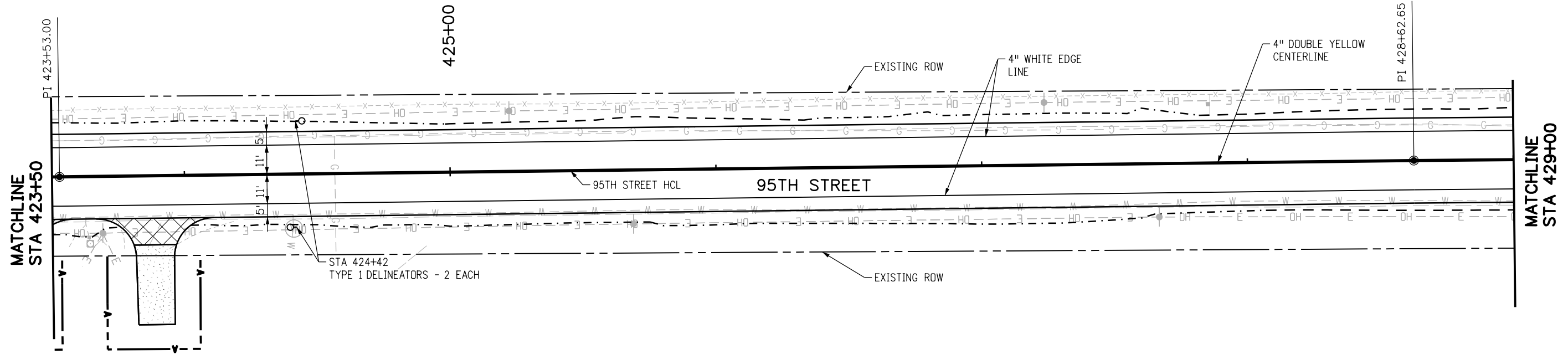
95TH STREET SIGNING & STRIPING PLAN
 PROJECT NO: 74030 SHEET NO: 145

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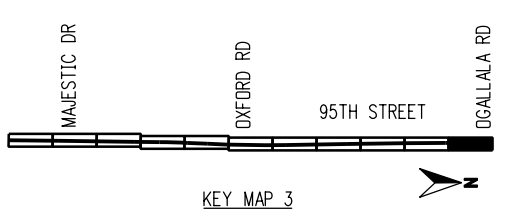
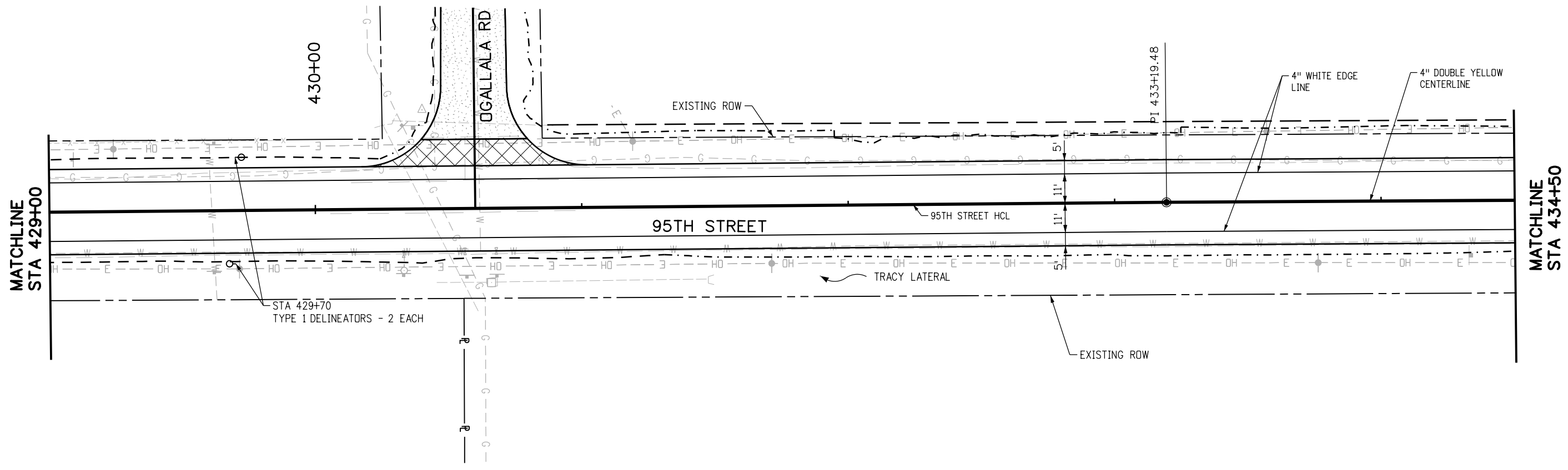
RFC	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	NO.	DATE	REVISION DESCRIPTION:	<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p>	DESIGNED:	CAD:	CHECKED:	DATE:	<p>95TH STREET SIGNING & STRIPING PLAN</p>	PROJECT NO: 74030	SHEET NO: 146
		REVISIONS:					CPF	NSA	MRK			

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RFC	CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	NO.	DATE	REVISION DESCRIPTION:	BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION	DESIGNED:	CAD:	CHECKED:	DATE:	95TH STREET SIGNING & STRIPING PLAN PROJECT NO: 74030 SHEET NO: 147
						CPF	NSA	MRK	02/14/2019	

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RFC

811
CALL UTILITY NOTIFICATION
CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

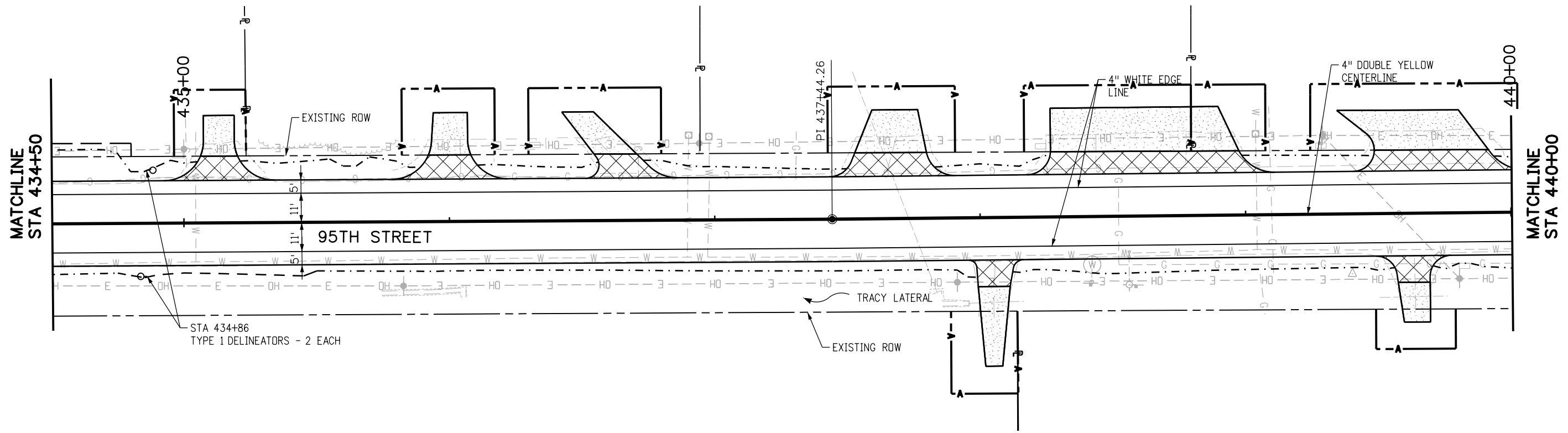
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DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019
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95TH STREET
SIGNING & STRIPING PLAN

PROJECT NO: 74030 SHEET NO: 148

olison.lavery 1:57:00 PM pw:\617479-PWINT.aecomonline.local:AECOM_DSO1_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\05_Traffic\Segment 2\95th St_PMK_Sign_Seg2_36.dgn



MATCHLINE
STA 434+50

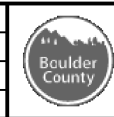
MATCHLINE
STA 440+00



RFC

811
CALL UTILITY NOTIFICATION
CENTER OF COLORADO
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

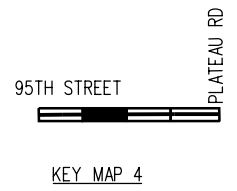
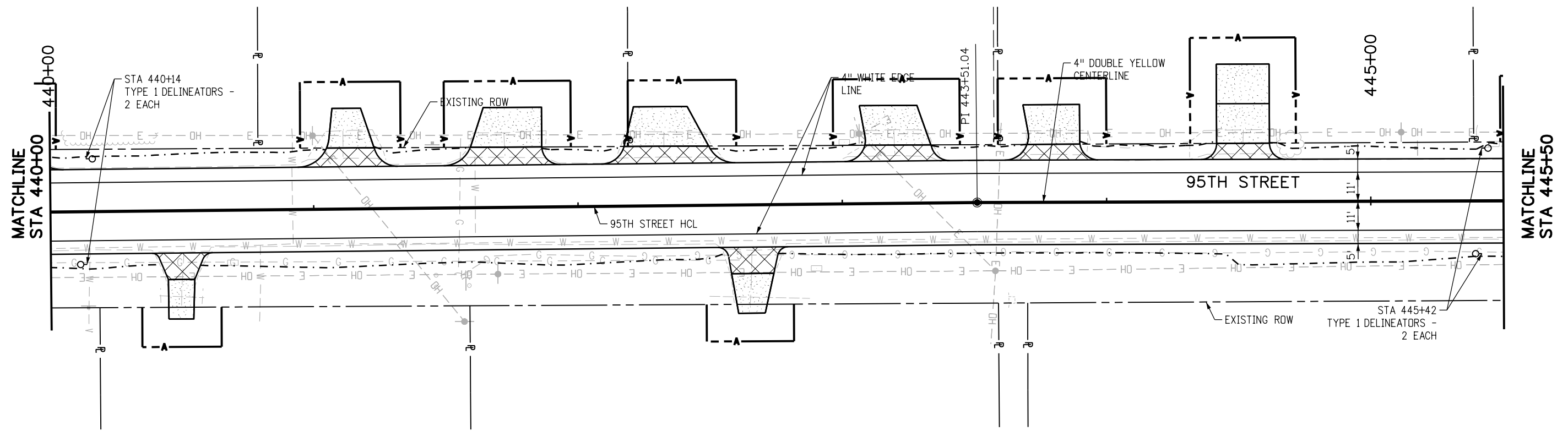


BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: CPF	CAD: NSA	CHECKED: MRK	DATE: 02/14/2019
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**95TH STREET
SIGNING & STRIPING PLAN**
PROJECT NO: 74030 SHEET NO: 149

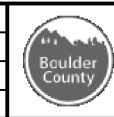
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RFC

811
CALL UTILITY NOTIFICATION
CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

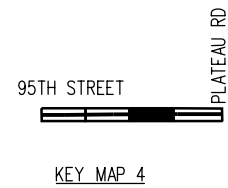
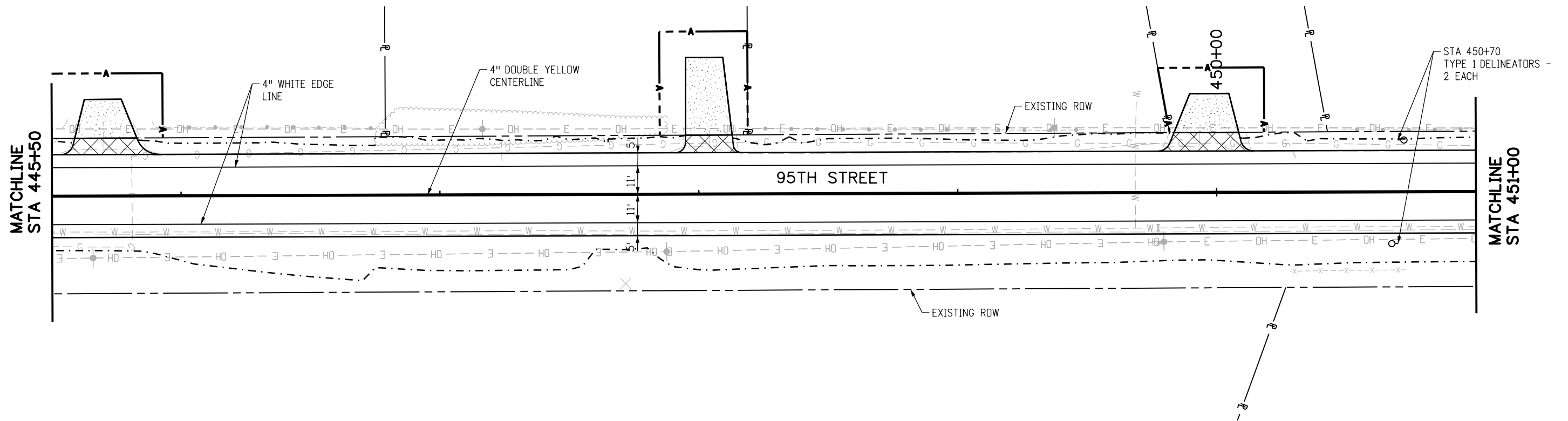
NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM
 DESIGNED: CPF CAD: NSA CHECKED: MRK DATE: 02/14/2019

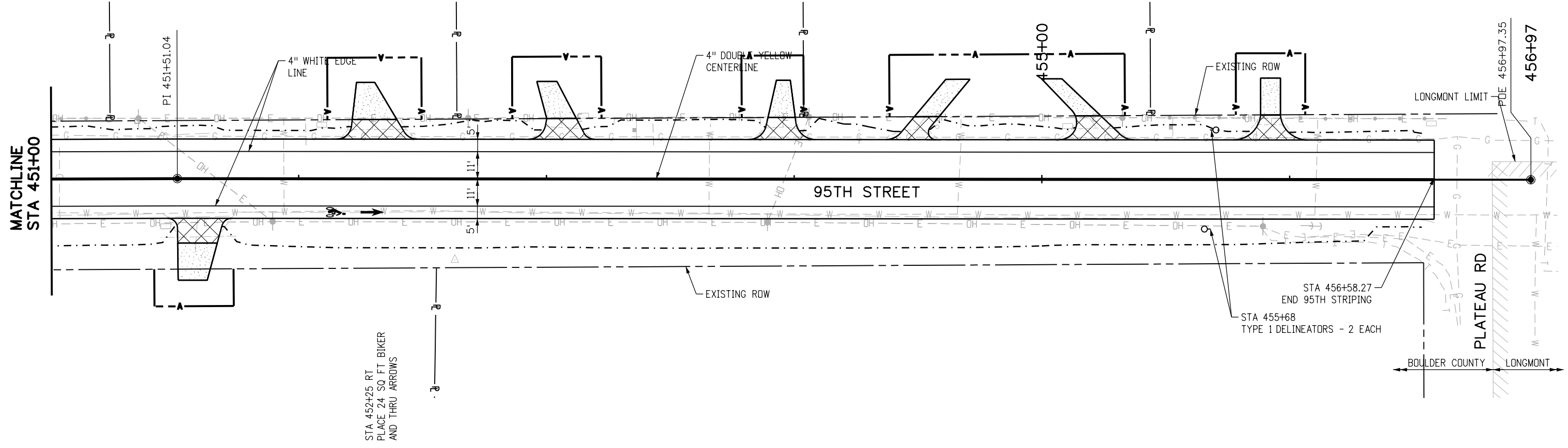
95TH STREET
SIGNING & STRIPING PLAN
 PROJECT NO: 74030 SHEET NO: 150

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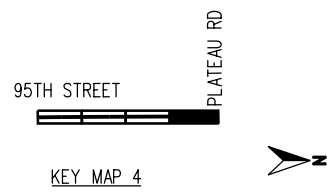


RFC	CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	NO.	DATE	REVISION DESCRIPTION:	BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION AECOM	DESIGNED:	CAD:	CHECKED:	DATE:	95TH STREET SIGNING & STRIPING PLAN PROJECT NO: 74030 SHEET NO: 151
						CPF	NSA	MRK	02/14/2019	

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MATCHLINE
STA 451+00



RFC	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	NO.	DATE	REVISION DESCRIPTION:	<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p>	DESIGNED:	CAD:	CHECKED:	DATE:	<p>95TH STREET SIGNING & STRIPING PLAN</p>	PROJECT NO: 74030	SHEET NO: 152
		REVISIONS:					CPF	NSA	MRK			

alison.lavery 1:59:23 PM p:\617479-PWINT_aecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\05_Traffic\Segment 2\95th St_Traf Control_01.dgn



SPECIAL
(48"X48" MIN.)

XYZ
CONSTRUCTION
THANKS YOU
555-555-555
48G20-10

ROAD
WORK
AHEAD
36W20-1 AHEAD

ROAD
WORK
AHEAD
36W20-1 AHEAD

ROAD
WORK
AHEAD
36W20-1 AHEAD

ROAD
WORK
AHEAD
36W20-1 AHEAD

ROAD
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WORK
AHEAD
36W20-1 AHEAD

ROAD
WORK
AHEAD
36W20-1 AHEAD

ROAD
WORK
AHEAD
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XYZ
CONSTRUCTION
THANKS YOU
555-555-555
48G20-10

ROAD
WORK
AHEAD
36W20-1 AHEAD

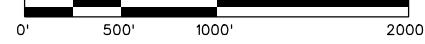


SPECIAL
(48"X48" MIN.)

NOTES:

1. DEVICES ARE SHOWN SCHEMATICALLY AND FINAL PLACEMENT IS SUBJECT TO FIELD CONDITIONS, CONTRACTOR PHASING AND FINAL APPROVAL OF THE ENGINEER.
2. ADVANCED WARNING SIGN CONFIGURATION IS BASED ON CDOT M&S STANDARD S-630-1.
3. SPACING BETWEEN SIGNS AND PRIOR TO INTERSECTIONS SHALL BE 500'.

**95TH STREET
ADVANCED WARNING SIGNS**
NOT TO SCALE

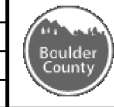


RFC



**CALL UTILITY NOTIFICATION
CENTER OF COLORADO**
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**

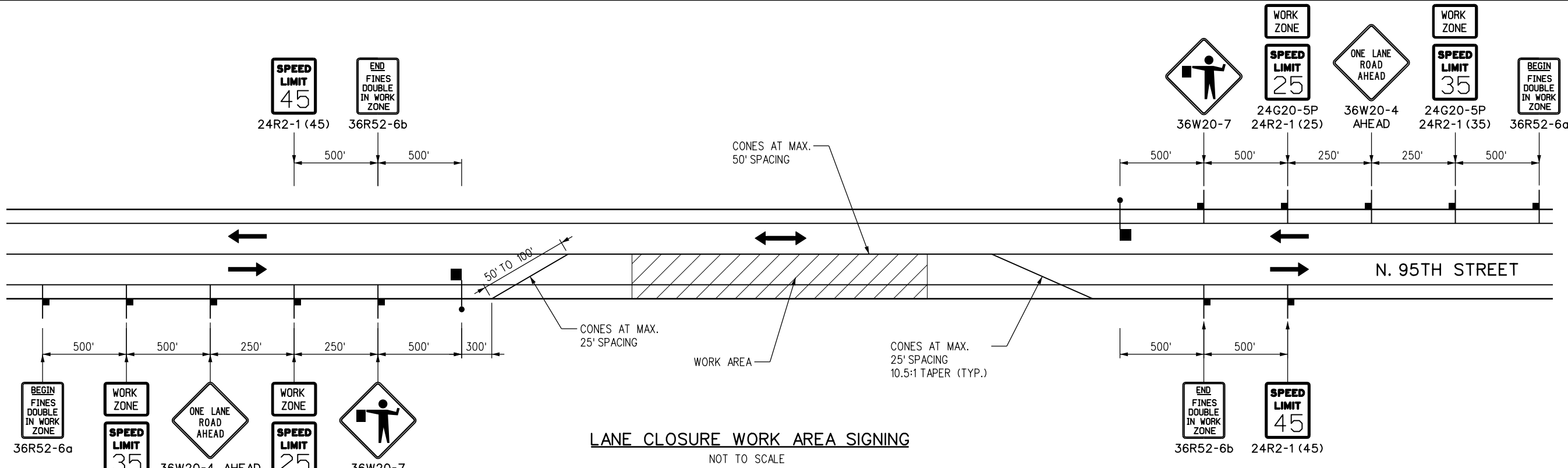


DESIGNED: CPF
CAD: CPF
CHECKED: MDH
DATE: 02/14/2019

**95TH STREET
TRAFFIC CONTROL PLANS**

PROJECT NO: 74030 SHEET NO: 153

alison.lavery 1:59:27 PM pw:\617479-PWINT.aecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\05_Traffic\Segment 2\95th St_Traf Control_02.dgn



LANE CLOSURE WORK AREA SIGNING
NOT TO SCALE

TO BE USED WHILE THE WORK ZONE IS ACTIVE FOR THE CONSTRUCTION OF WIDENING, MILLING & OVERLAY, AND FULL DEPTH RECLAMATION SECTIONS.

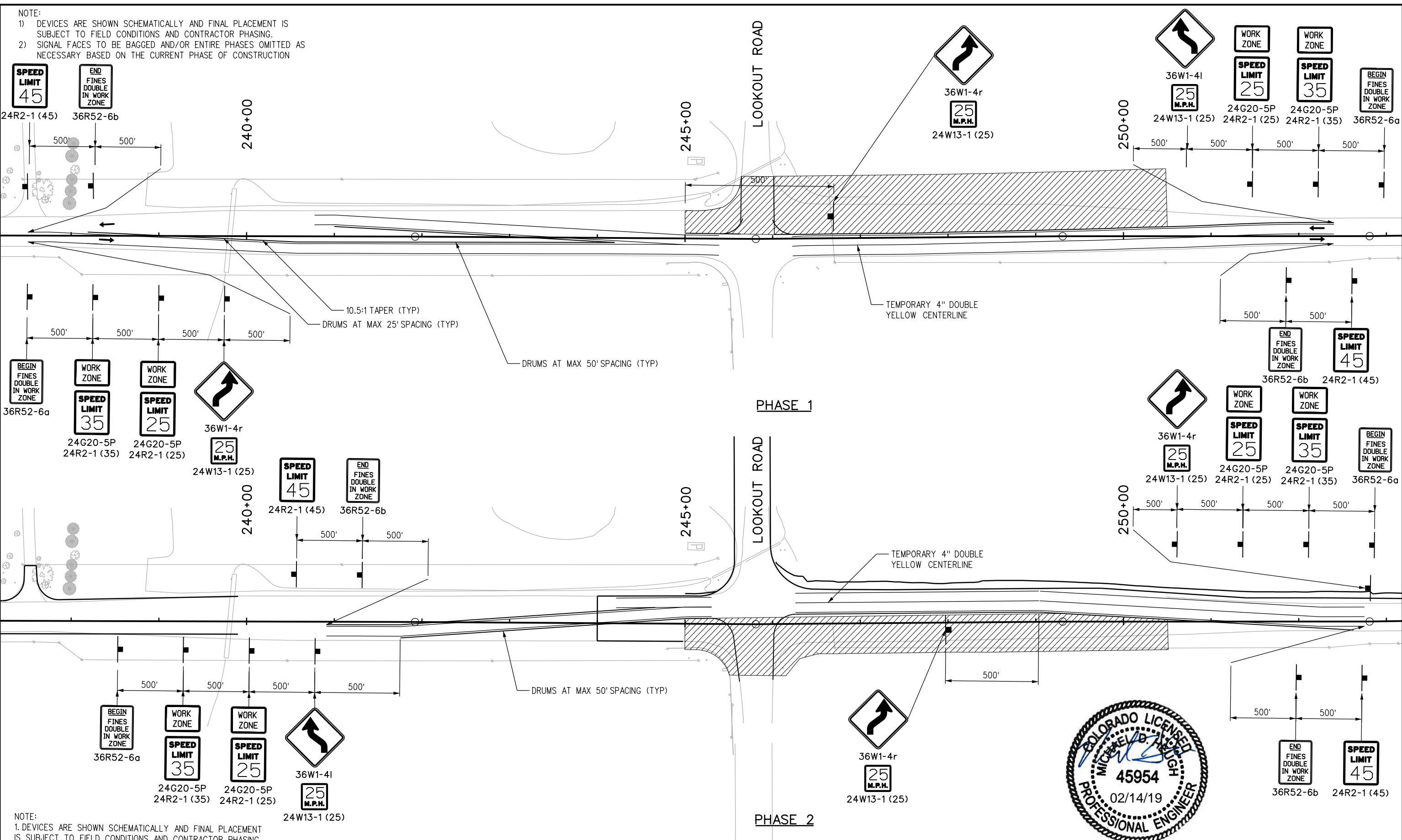
NOTE:
DEVICES ARE SHOWN SCHEMATICALLY AND FINAL PLACEMENT IS SUBJECT TO FIELD CONDITIONS AND CONTRACTOR PHASING.



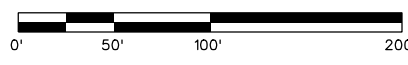
RFC	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	NO.	DATE	REVISION DESCRIPTION:	<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p>	DESIGNED:	CAD:	CHECKED:	DATE:	<p>95TH STREET TRAFFIC CONTROL PLAN</p>	PROJECT NO: 74030	SHEET NO: 154
		REVISIONS:					CPF	CPF	MDH			

alison.lavery 1:59:31 PM pw:\617479-PWINT.aecomonline.local:AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\05_Traffic_Segment 2\95th St_Traf_Control_Seg2_03.dgn

NOTE:
 1) DEVICES ARE SHOWN SCHEMATICALLY AND FINAL PLACEMENT IS SUBJECT TO FIELD CONDITIONS AND CONTRACTOR PHASING.
 2) SIGNAL FACES TO BE BAGGED AND/OR ENTIRE PHASES OMITTED AS NECESSARY BASED ON THE CURRENT PHASE OF CONSTRUCTION



NOTE:
 1. DEVICES ARE SHOWN SCHEMATICALLY AND FINAL PLACEMENT IS SUBJECT TO FIELD CONDITIONS AND CONTRACTOR PHASING.



RFC



CALL UTILITY NOTIFICATION CENTER OF COLORADO
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NO.	DATE	REVISION DESCRIPTION:

BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

AECOM

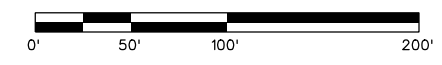
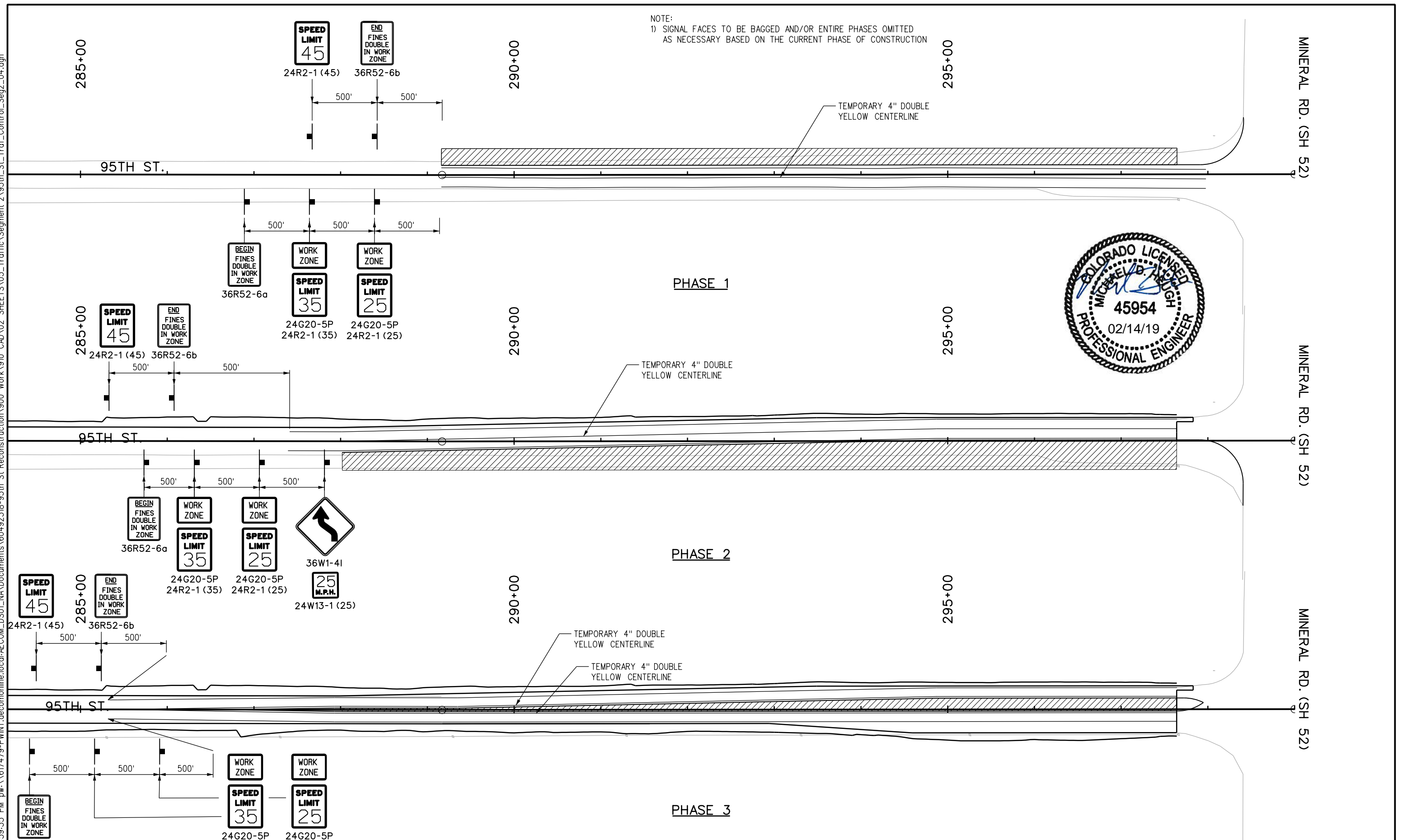
DESIGNED: CPF CAD: CPF CHECKED: MDH DATE: 02/14/2019

95TH STREET LOOKOUT TTC PLAN

PROJECT NO: 74030 SHEET NO: 155

alison.lavery 1:59:35 PM pw:\617479-PWINT\acromonline.locat:AECOM_D501_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\05_Traffic\Segment 2\95th St_Traf_Control_Seg2_04.dgn

NOTE:
1) SIGNAL FACES TO BE BAGGED AND/OR ENTIRE PHASES OMITTED AS NECESSARY BASED ON THE CURRENT PHASE OF CONSTRUCTION



RFC



CALL UTILITY NOTIFICATION CENTER OF COLORADO
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NO.	DATE	REVISION DESCRIPTION:

BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

AECOM

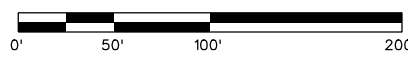
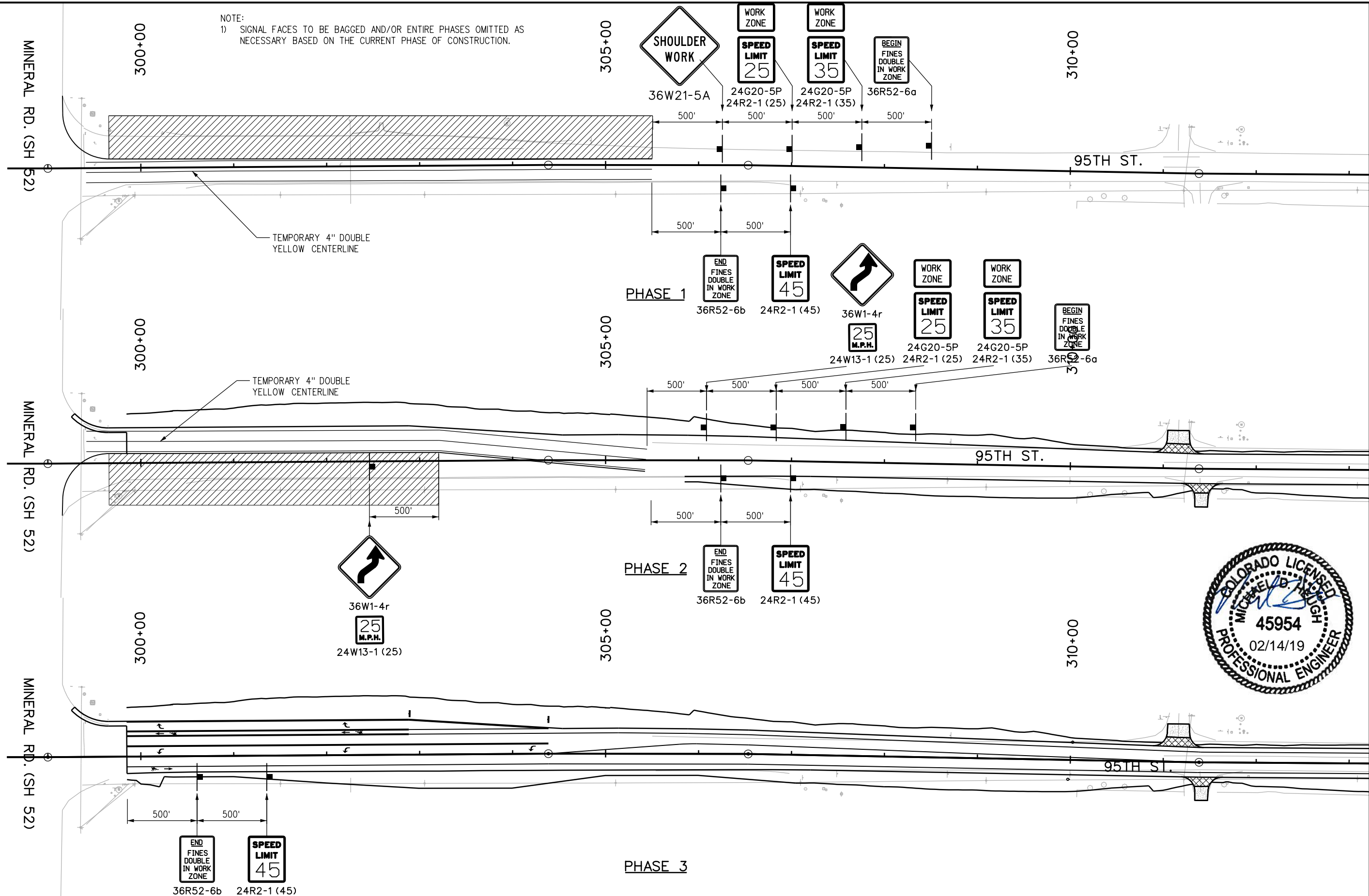
DESIGNED: CPF CAD: CPF CHECKED: MDH DATE: 02/14/2019

95TH STREET MINERAL TTC PLAN (1)

PROJECT NO: 74030 SHEET NO: 156

alison.lavery 1:59:38 PM pw:\617479-PWINT\ecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\05_Traffic\Segment 2\95th St_Traf_Control_Seg2_04B.dgn

NOTE:
1) SIGNAL FACES TO BE BAGGED AND/OR ENTIRE PHASES OMITTED AS NECESSARY BASED ON THE CURRENT PHASE OF CONSTRUCTION.

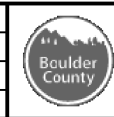


RFC



**CALL UTILITY NOTIFICATION
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CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



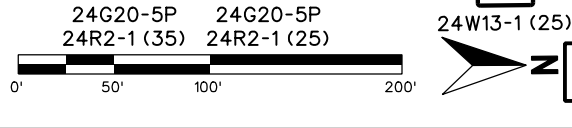
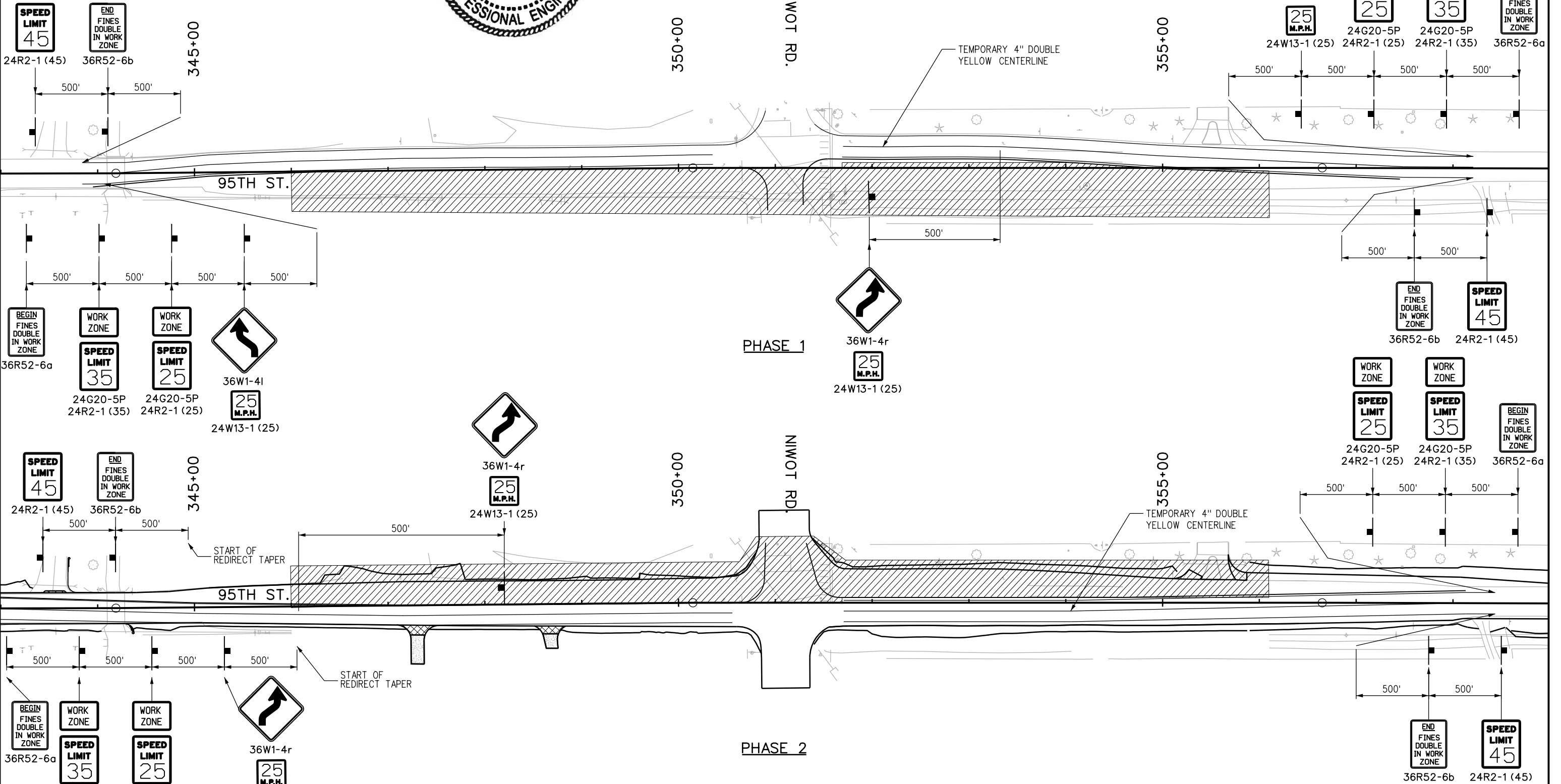
**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**
AECOM

DESIGNED: CPF	CAD: CPF	CHECKED: MDH	DATE: 02/14/2019
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**95TH STREET
MINERAL TTC PLAN (2)**
PROJECT NO: 74030 SHEET NO: 157

alison.lavery 1:59:42 PM pw:\617479-PWINT.aecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\05 Traffic\Segment 2\95th St_Traf_Control_Seg2_05.dgn

NOTE:
1) SIGNAL FACES TO BE BAGGED AND/OR ENTIRE PHASES OMITTED AS NECESSARY BASED ON THE CURRENT PHASE OF CONSTRUCTION.



RFC	811	CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	NO.	DATE	REVISION DESCRIPTION:

**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**

AECOM

DESIGNED: CPF	CAD: CPF	CHECKED: MDH	DATE: 02/14/2019
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95TH STREET NIWOT TTC PLAN	
PROJECT NO: 74030	SHEET NO: 158

Sheet Revisions		
Date	Description	Initials

Sheet Revisions		
Date	Description	Initials

Sheet Revisions		
Date	Description	Initials



Project Number:			
Project Location: N. 95th St.-Lake Meadow Dr. to Plateau Rd.			
Boulder County			
Project Code:	Last Mod. Date:	Subset:	Sheet No.:
	06-29-2016	1 of 4	1

BOULDER COUNTY
North 95th Street
PROJECT CONTROL DIAGRAM

NOTES

- 1. This Project Control Diagram is not a boundary survey of the adjoining property.
 - 2. UNITS: Project coordinates and elevations shown hereon are U.S. Survey Feet.
 - 3. According to Colorado State 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.
- I, Richard D. Muntean, a Licensed Professional Surveyor in the State of Colorado do hereby state that the survey represented by this map was made under my supervision and that this map and the notes shown hereon accurately represent said survey to the best of my knowledge, information and belief.

RICHARD D. MUNTEAN, PLS No. 38189
For and on behalf of 105 West, Inc.

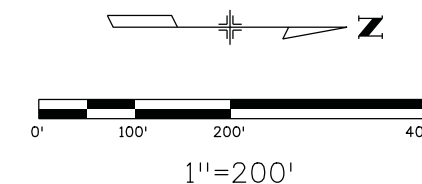
Basis of Elevations: Project elevations are GPS derived utilizing the following Continuously Operating Reference Stations (CORS). (NAVD '88)

Table Mountain (TMGO)
Marshall Field (P041)

COORDINATE DATUM: Project coordinates are modified Colorado State Plane North Zone NAD '83/(11) coordinates. The combined elevation/scale factor used to modify the coordinates from state plane to project coordinates is 1.0002863952. The resulting project coordinates are truncated by 1,000,000 sft in the Northing and 3,000,000 sft in the Easting after converting from state plane coordinates to project coordinates. The CHARN is based on the NAD '83(11) datum.



Vicinity Map
N.T.S.



227
N 252453.86
E 104201.22
EL 5242.02
SET 2" ALUMINUM CAP
"105 WEST CONTROL POINT"

226
N 253150.29
E 104195.22
EL 5214.51
SET 2" ALUMINUM CAP
"105 WEST CONTROL POINT"

225
N 254113.73
E 104197.72
EL 5172.14
SET 2" ALUMINUM CAP
"105 WEST CONTROL POINT"

228
N 251502.76
E 104250.52
EL 5250.85
SET 2" ALUMINUM CAP
"105 WEST CONTROL POINT"

Lake Meadow Dr.

N. 95th St.



Matchline See Sheet 2 of 4

Sheet Revisions		
Date	Description	Initials

Sheet Revisions		
Date	Description	Initials

Sheet Revisions		
Date	Description	Initials

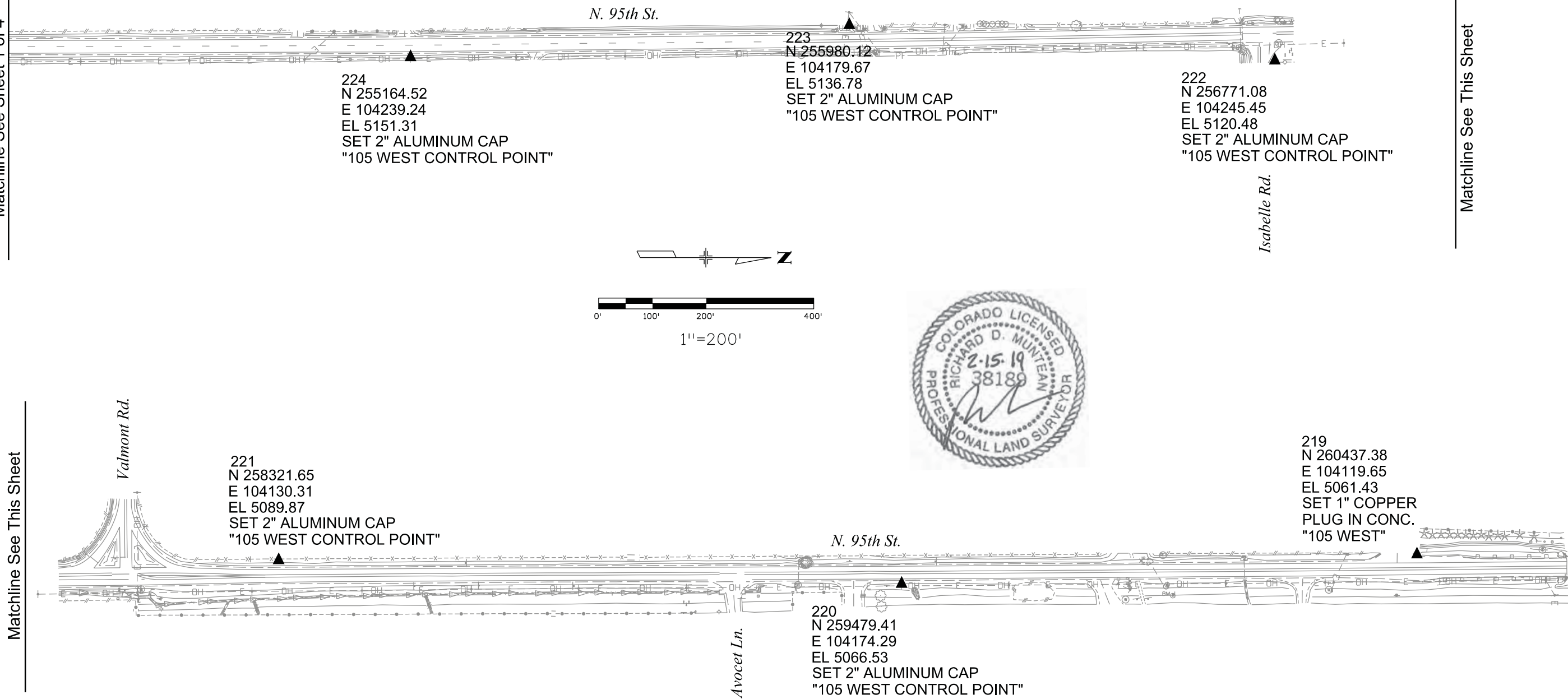


Project Control Diagram			
Plan Sheet			
Project Number:			
Project Location: N. 95th St.-Lake Meadow Dr. to Plateau Rd.			
Boulder County			
Project Code:	Last Mod. Date:	Subset:	Sheet No.:
	06-29-2016	2 of 4	2

BOULDER COUNTY
North 95th Street
PROJECT CONTROL DIAGRAM

Matchline See Sheet 1 of 4

Matchline See This Sheet



Matchline See This Sheet

Matchline See Sheet 3 of 4

Sheet Revisions		
Date	Description	Initials

Sheet Revisions		
Date	Description	Initials

Sheet Revisions		
Date	Description	Initials

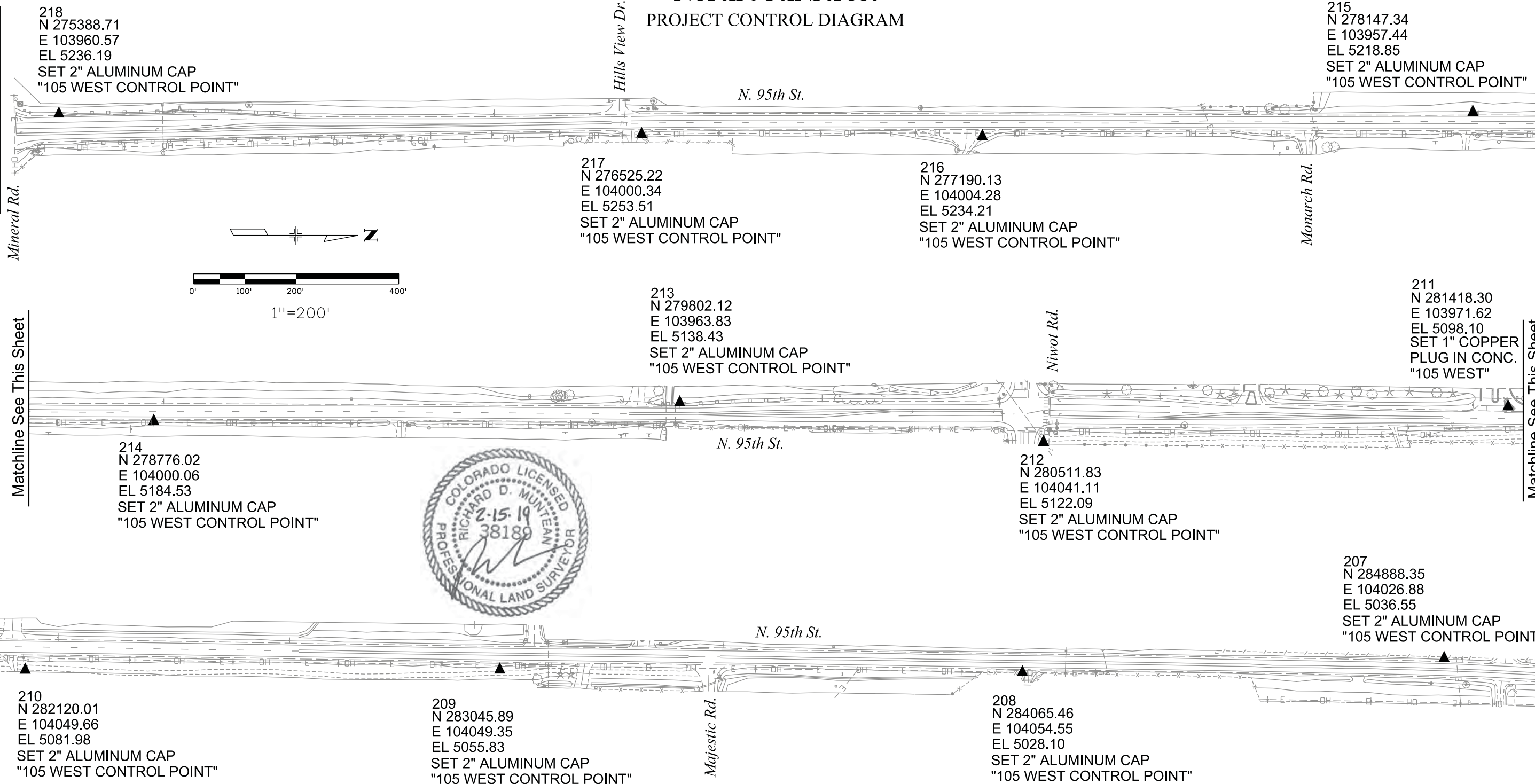


Project Control Diagram			
Plan Sheet			
Project Number:			
Project Location: N. 95th St.-Lake Meadow Dr. to Plateau Rd.			
Boulder County			
Project Code:	Last Mod. Date:	Subset:	Sheet No.:
	06-29-2016	3 of 4	3

BOULDER COUNTY
North 95th Street
PROJECT CONTROL DIAGRAM

Matchline See Sheet 2 of 4

Matchline See This Sheet



Matchline See This Sheet

Matchline See This Sheet

Matchline See This Sheet

Matchline See Sheet 4 of 4



218
N 275388.71
E 103960.57
EL 5236.19
SET 2" ALUMINUM CAP
"105 WEST CONTROL POINT"

215
N 278147.34
E 103957.44
EL 5218.85
SET 2" ALUMINUM CAP
"105 WEST CONTROL POINT"

217
N 276525.22
E 104000.34
EL 5253.51
SET 2" ALUMINUM CAP
"105 WEST CONTROL POINT"

216
N 277190.13
E 104004.28
EL 5234.21
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"105 WEST CONTROL POINT"

213
N 279802.12
E 103963.83
EL 5138.43
SET 2" ALUMINUM CAP
"105 WEST CONTROL POINT"

211
N 281418.30
E 103971.62
EL 5098.10
SET 1" COPPER
PLUG IN CONC.
"105 WEST"

214
N 278776.02
E 104000.06
EL 5184.53
SET 2" ALUMINUM CAP
"105 WEST CONTROL POINT"

212
N 280511.83
E 104041.11
EL 5122.09
SET 2" ALUMINUM CAP
"105 WEST CONTROL POINT"

207
N 284888.35
E 104026.88
EL 5036.55
SET 2" ALUMINUM CAP
"105 WEST CONTROL POINT"

210
N 282120.01
E 104049.66
EL 5081.98
SET 2" ALUMINUM CAP
"105 WEST CONTROL POINT"

209
N 283045.89
E 104049.35
EL 5055.83
SET 2" ALUMINUM CAP
"105 WEST CONTROL POINT"

208
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E 104054.55
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SET 2" ALUMINUM CAP
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Sheet Revisions		
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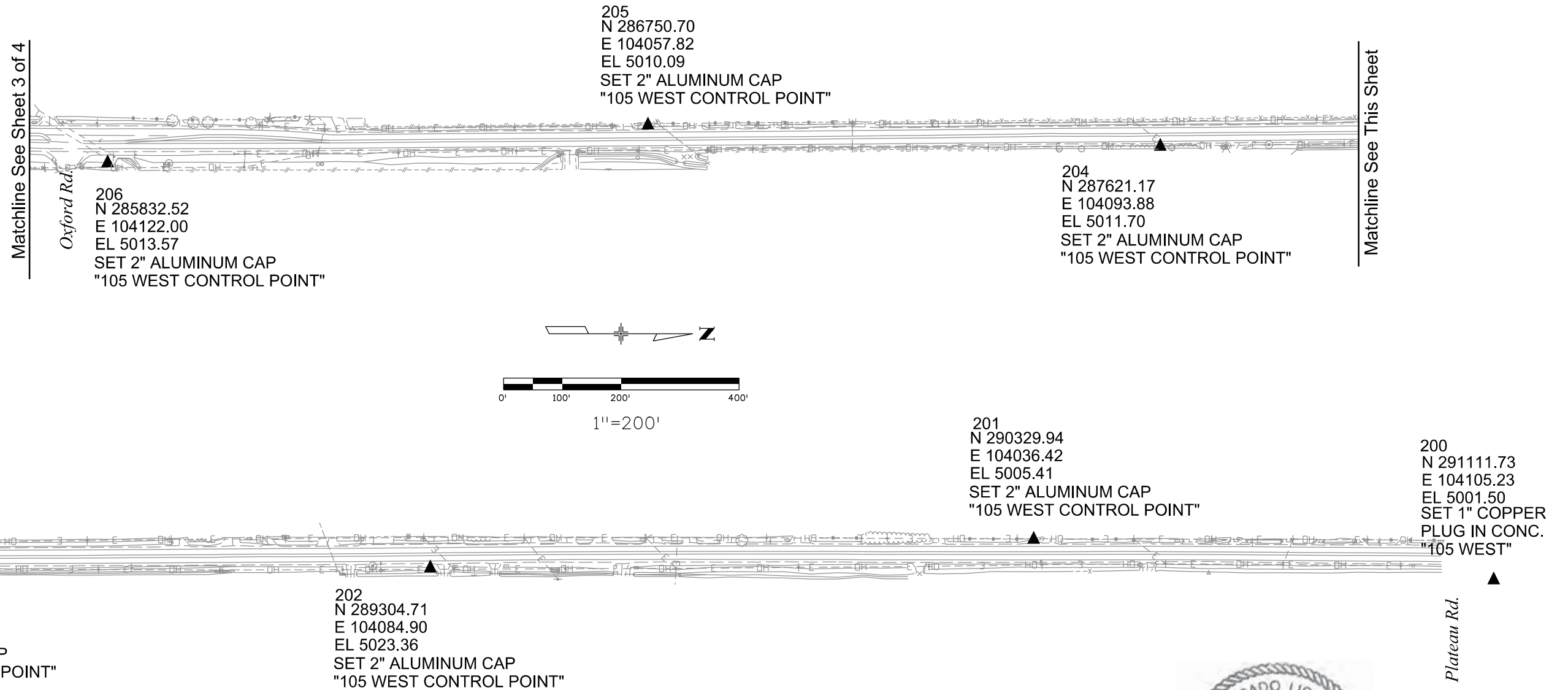
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Sheet Revisions		
Date	Description	Initials

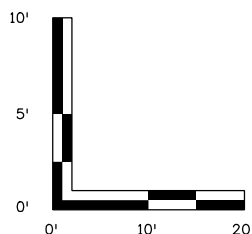
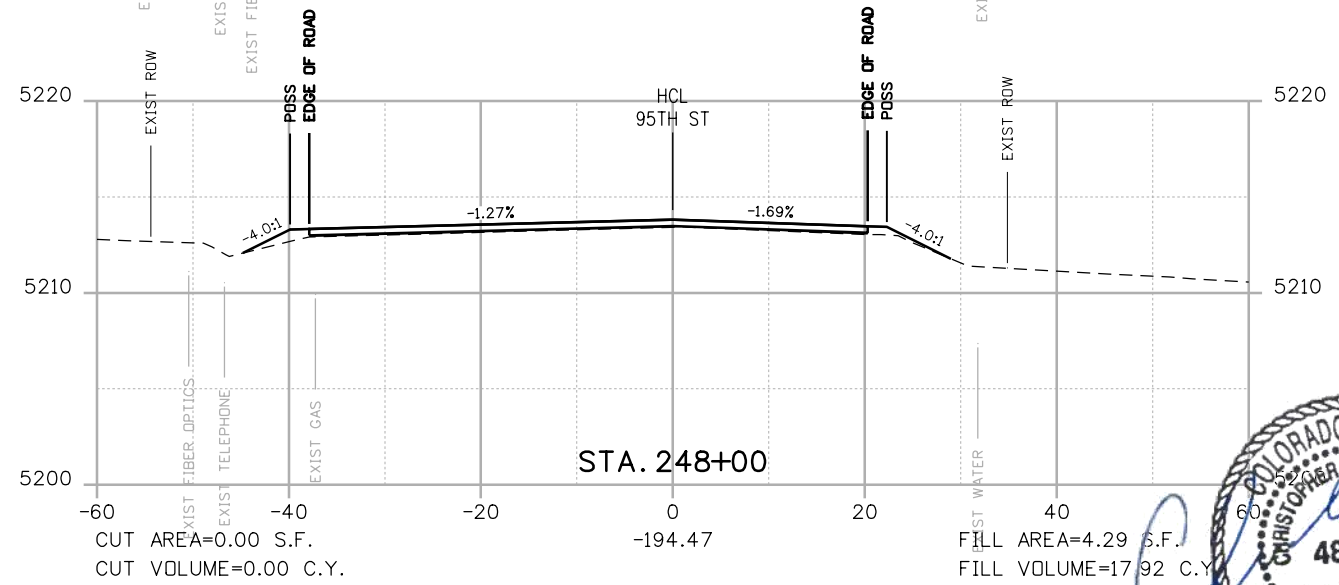
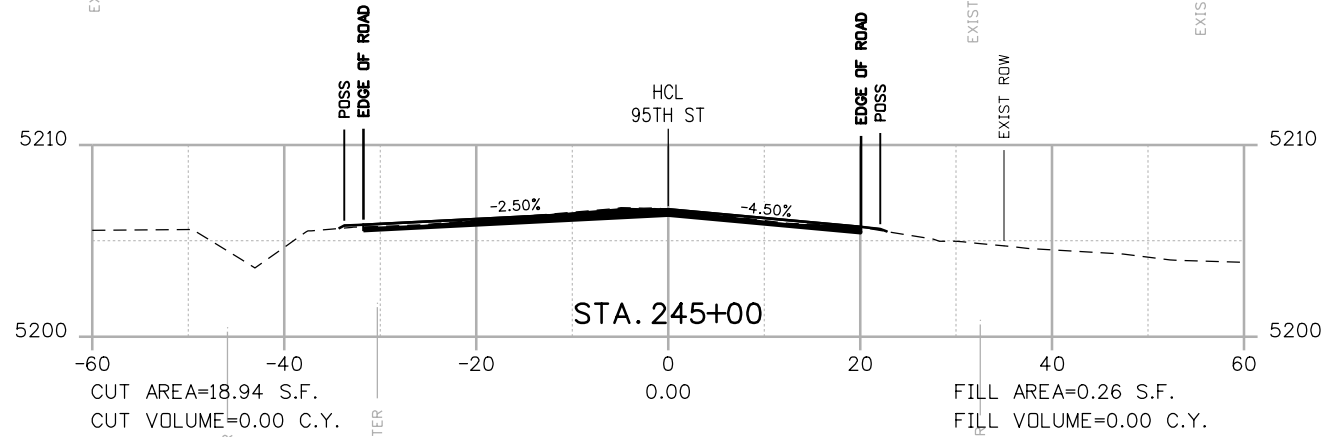
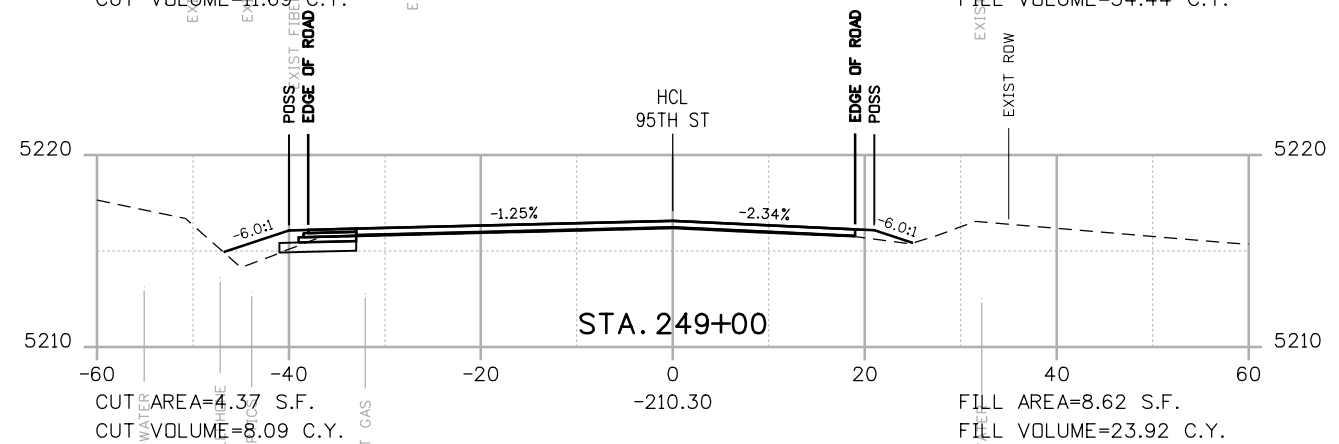
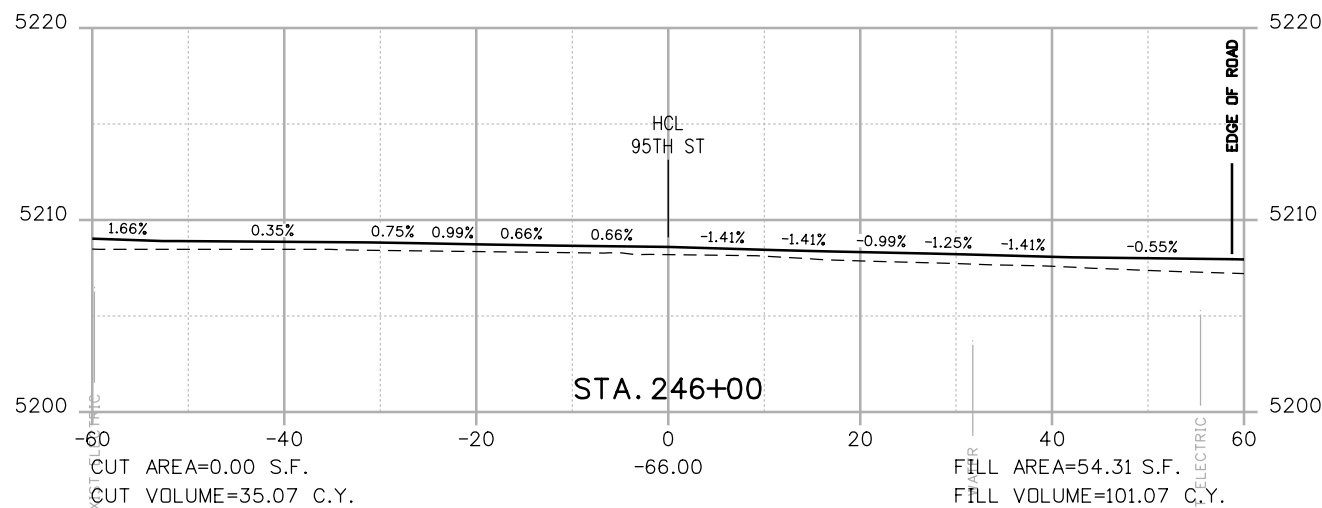
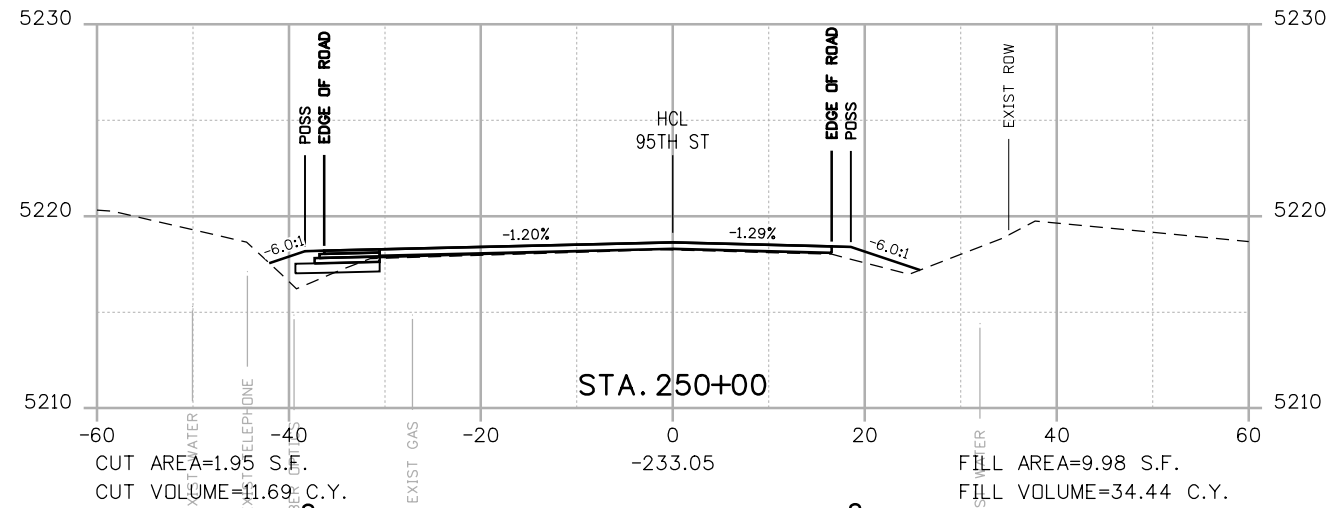
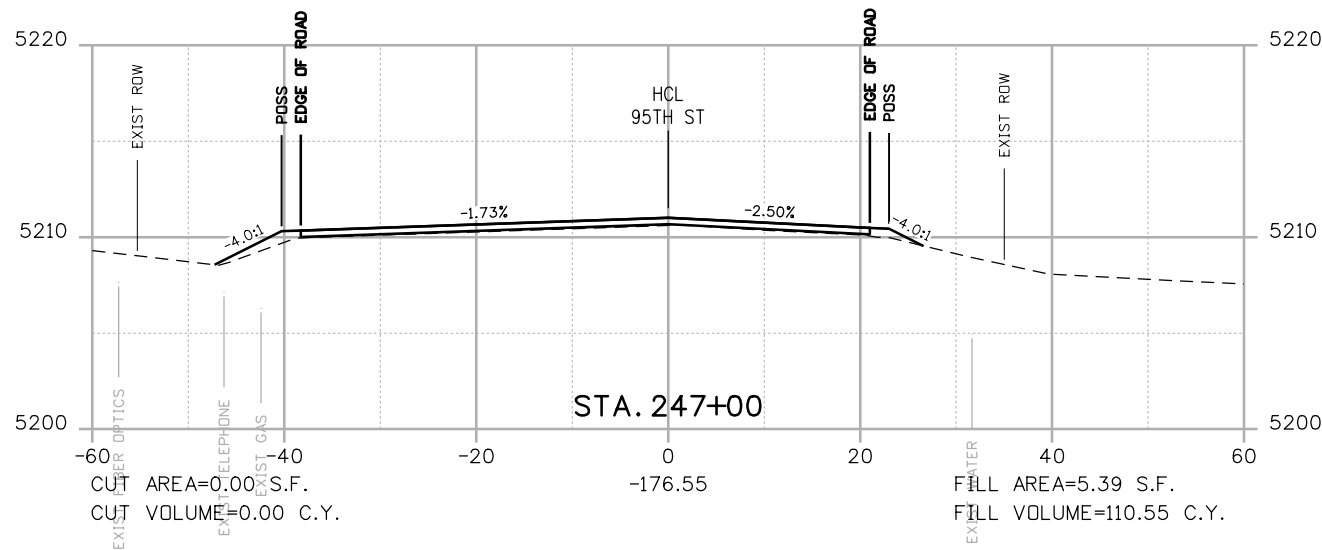


Project Control Diagram			
Plan Sheet			
Project Number:			
Project Location: N. 95th St.-Lake Meadow Dr. to Plateau Rd.			
Boulder County			
Project Code:	Last Mod. Date	Subset	Sheet No.
	06-29-2016	4 of 4	4

BOULDER COUNTY
North 95th Street
PROJECT CONTROL DIAGRAM



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POSS
 --- POINT OF SLOPE SELECTION
 --- GROUND SURVEY
 --- GROUND LIDAR
 --- PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
 CENTER OF COLORADO**
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

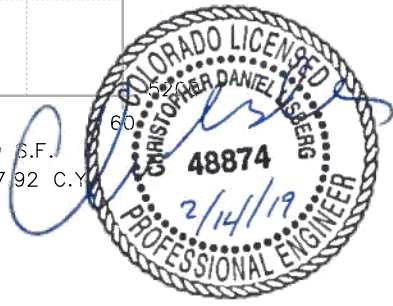
NO.	DATE	REVISION DESCRIPTION:



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 ENGINEERING DIVISION**



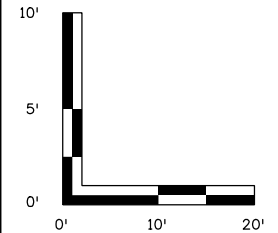
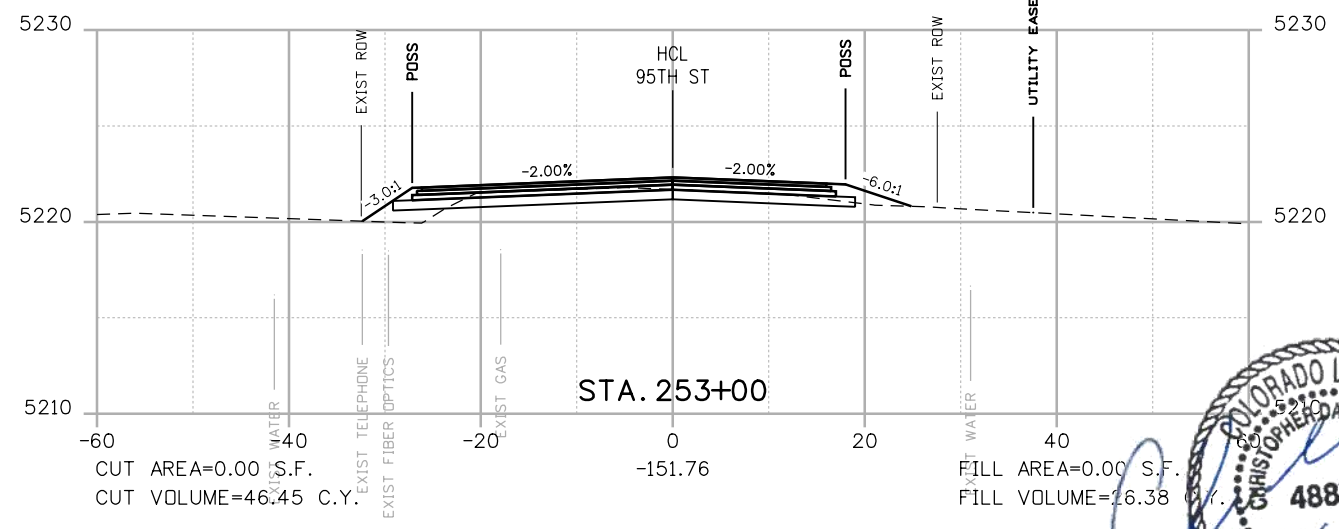
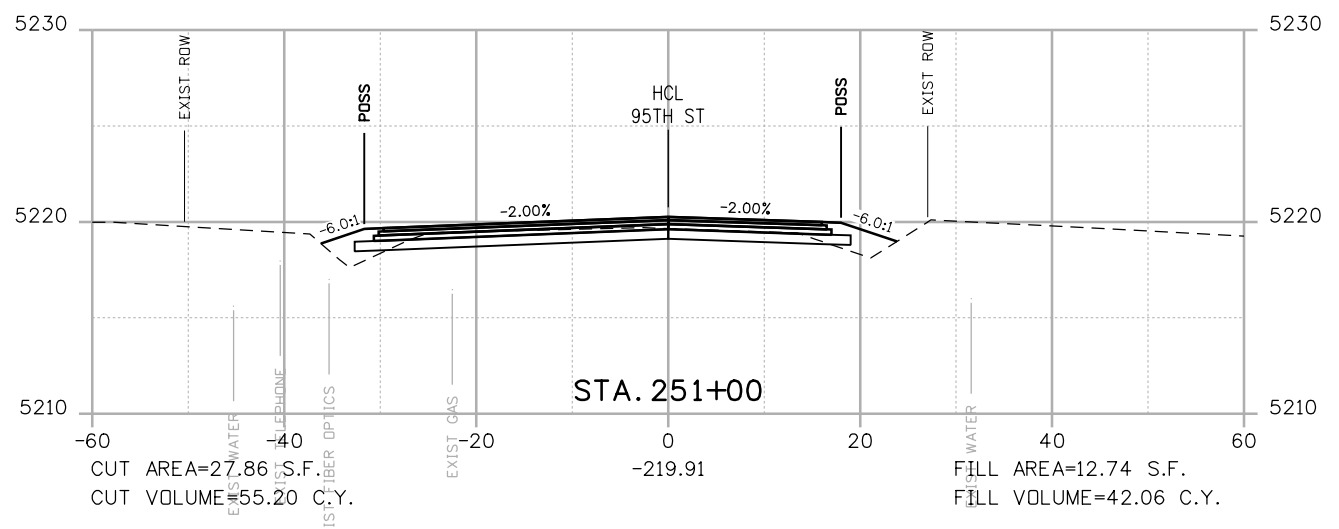
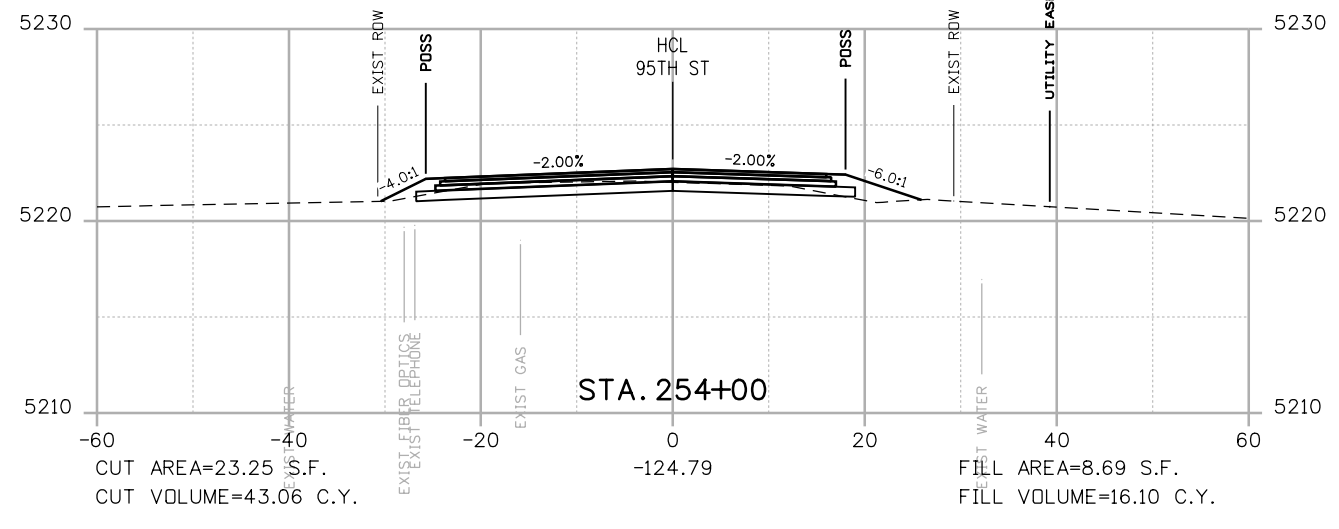
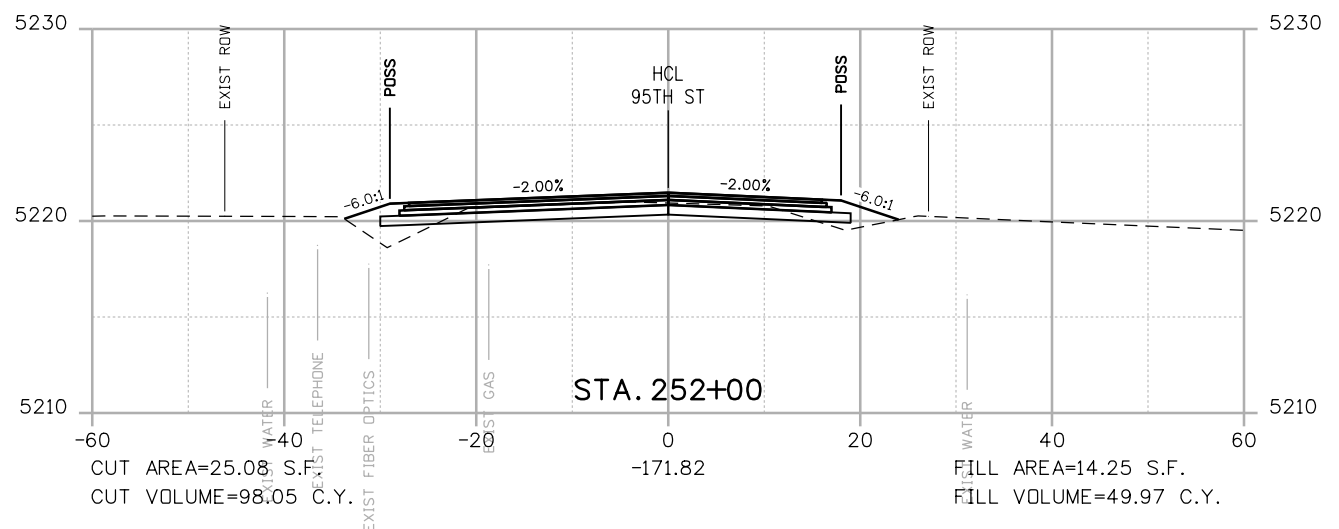
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**95TH STREET
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PROJECT NO: 74030 SHEET NO: X1

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POSS

POINT OF SLOPE SELECTION
GROUND SURVEY
GROUND LIDAR
PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
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CALL 2-BUSINESS DAYS IN ADVANCE
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MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**

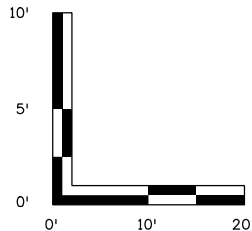
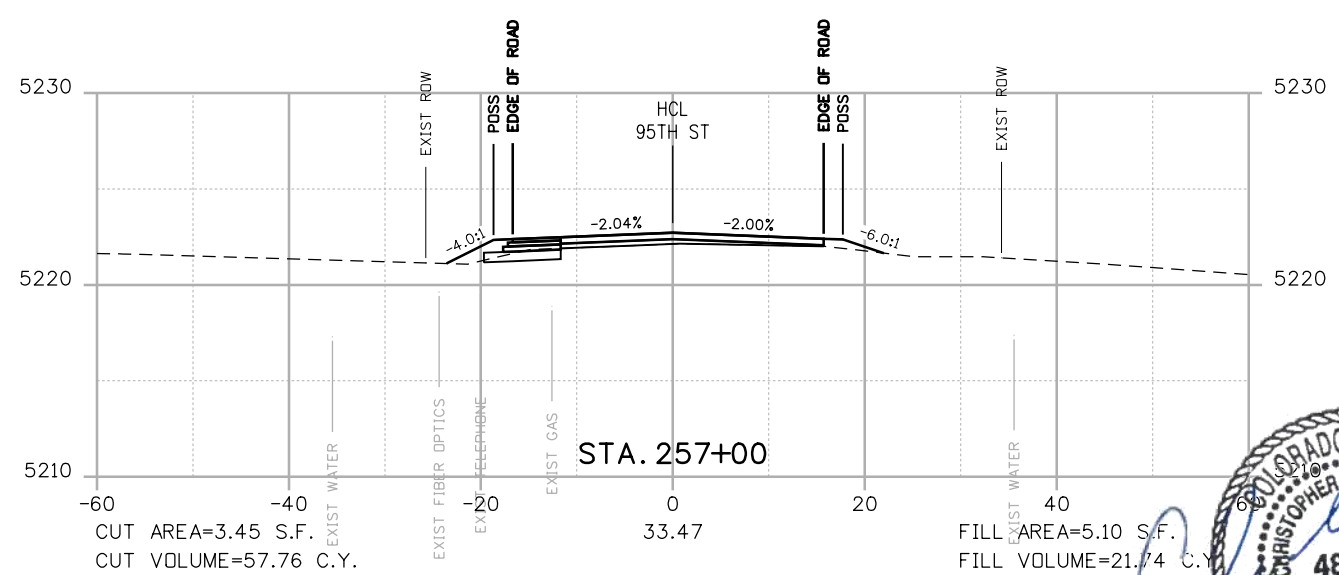
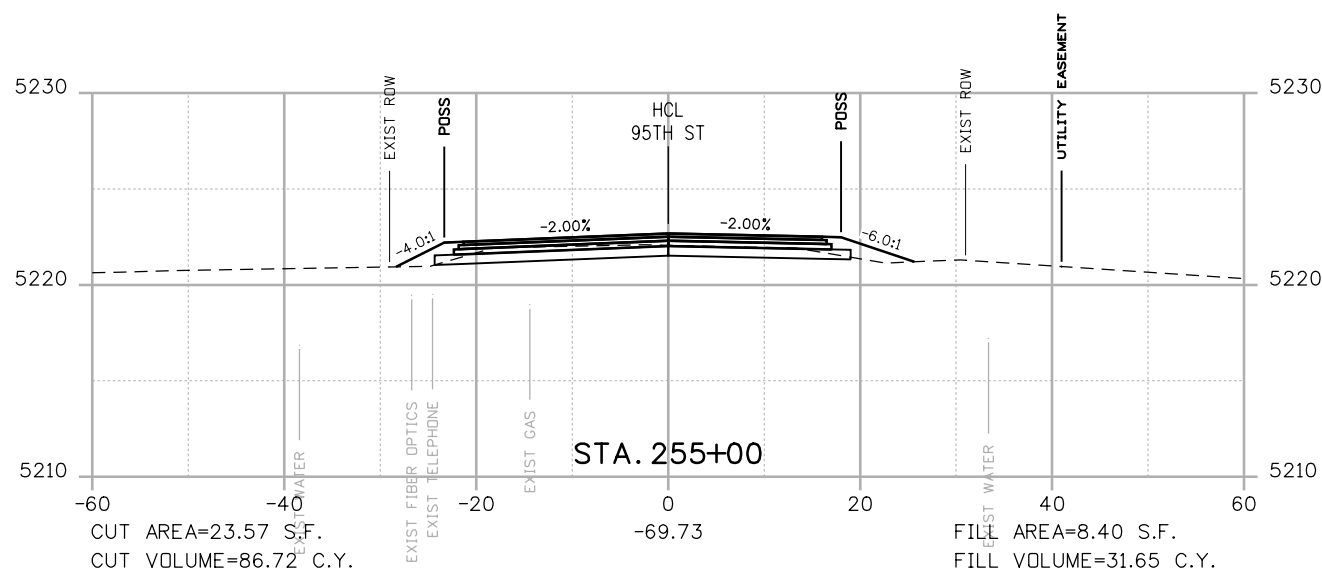
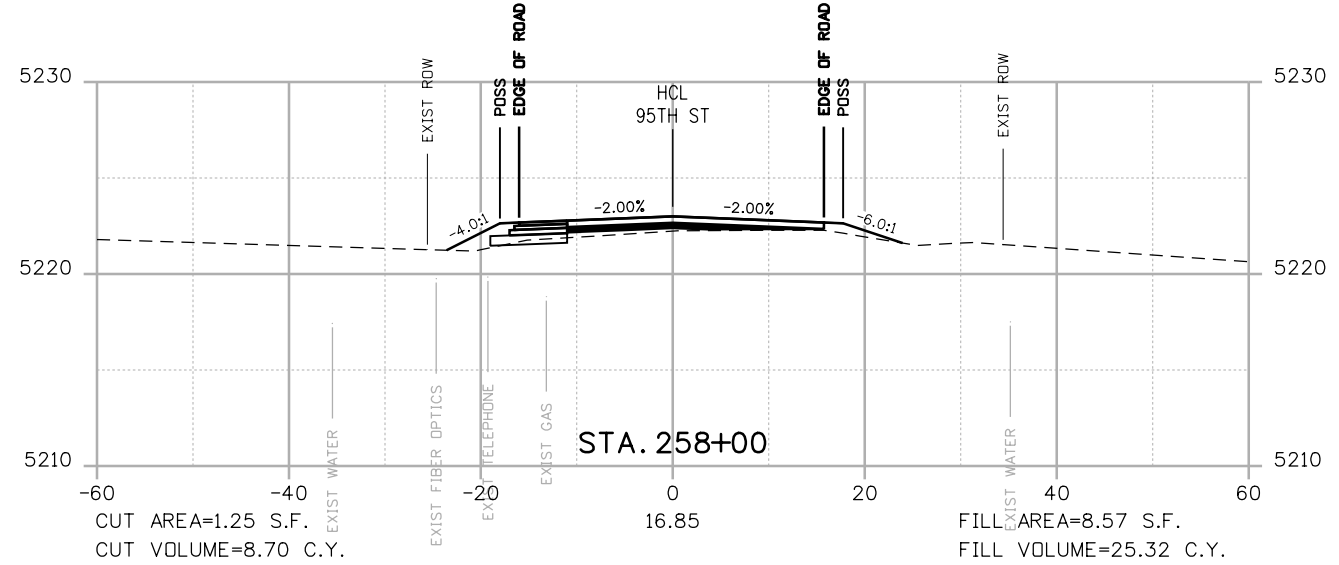
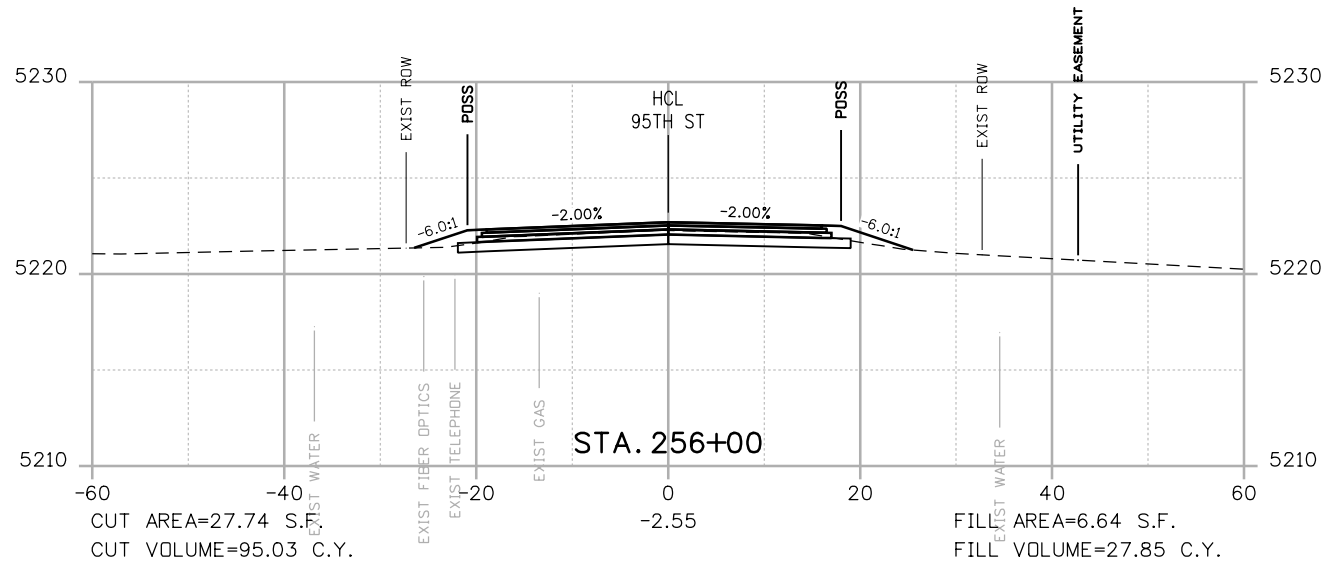
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**95TH STREET
CROSS SECTIONS**

PROJECT NO: 74030
SHEET NO: X2

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POSS

POINT OF SLOPE SELECTION
GROUND SURVEY
GROUND LIDAR
PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
CENTER OF COLORADO**
CALL 2-BUSINESS DAYS IN ADVANCE
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MEMBER UTILITIES

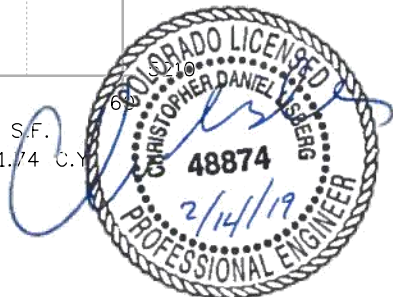
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**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**



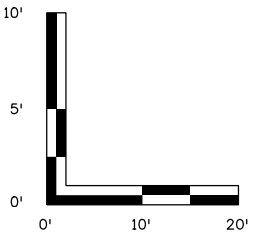
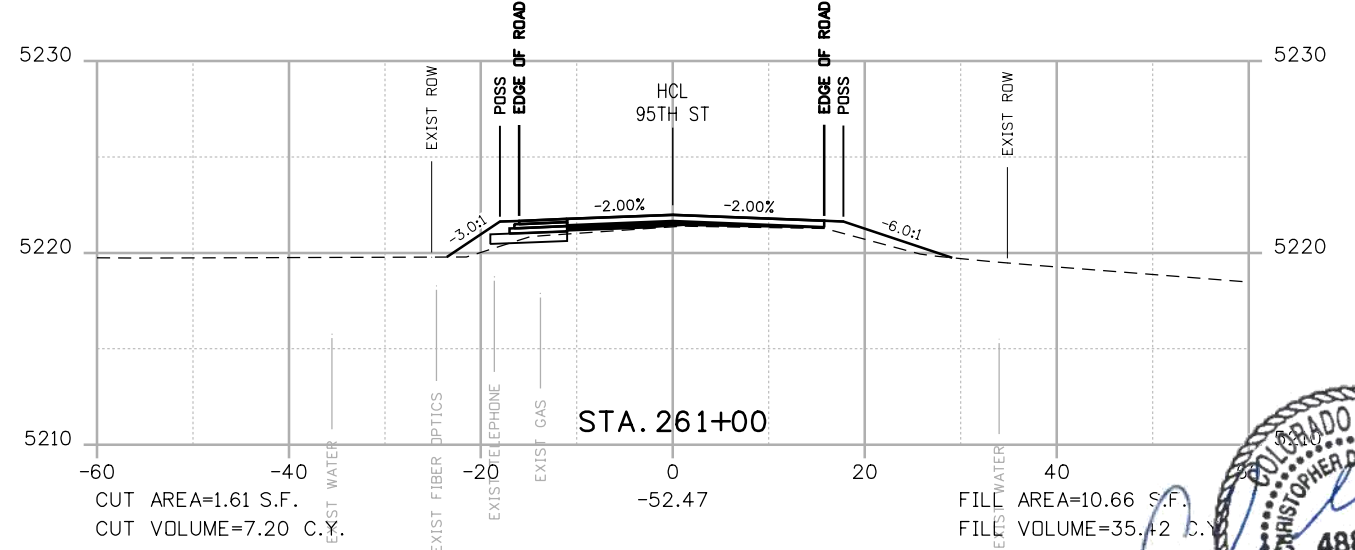
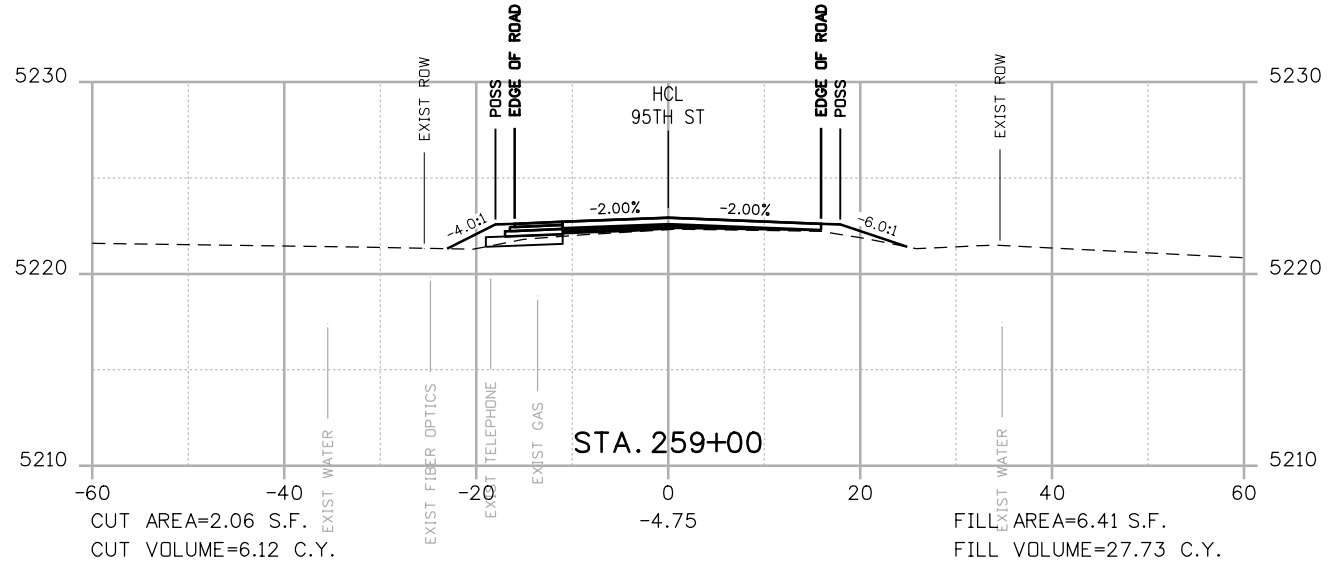
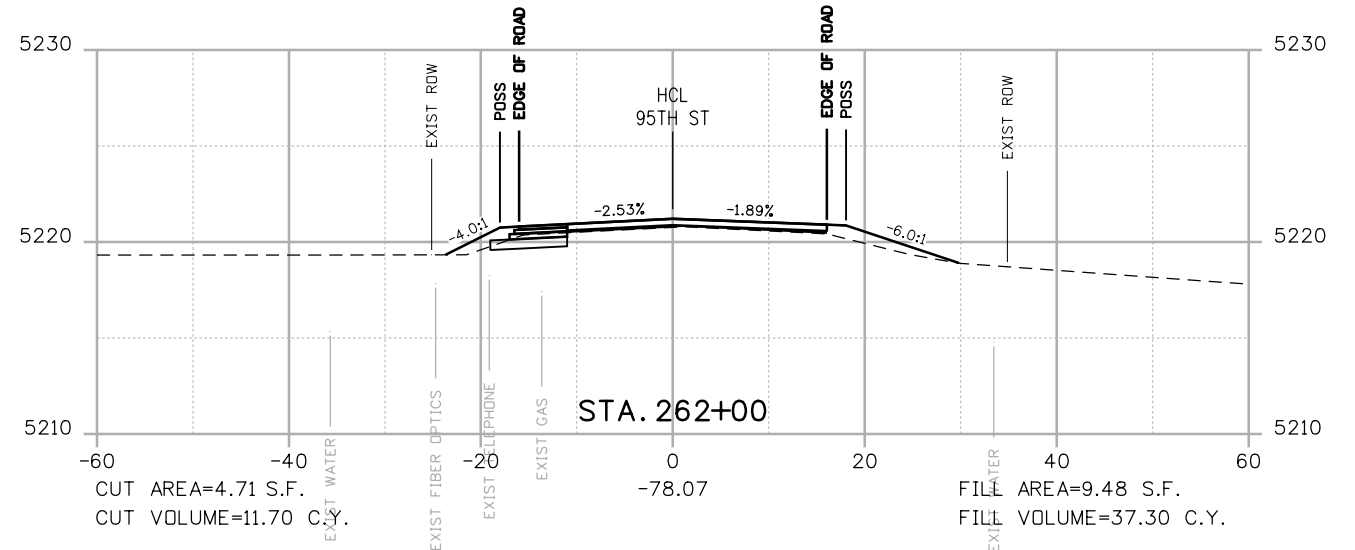
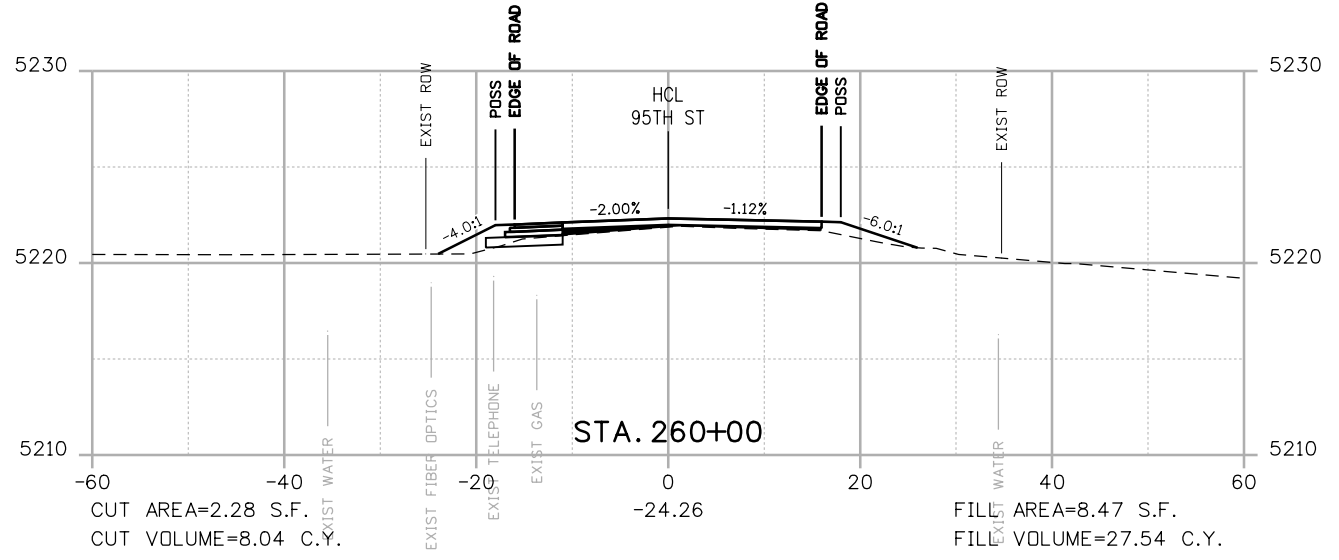
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PROJECT NO: 74030 SHEET NO: X3

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POSS
POINT OF SLOPE SELECTION
GROUND SURVEY
GROUND LIDAR
PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
CENTER OF COLORADO**
CALL 2-BUSINESS DAYS IN ADVANCE
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FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

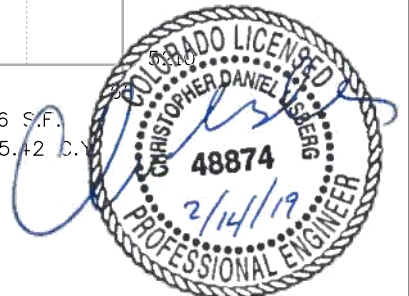
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**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**



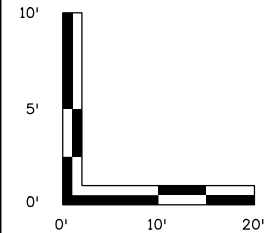
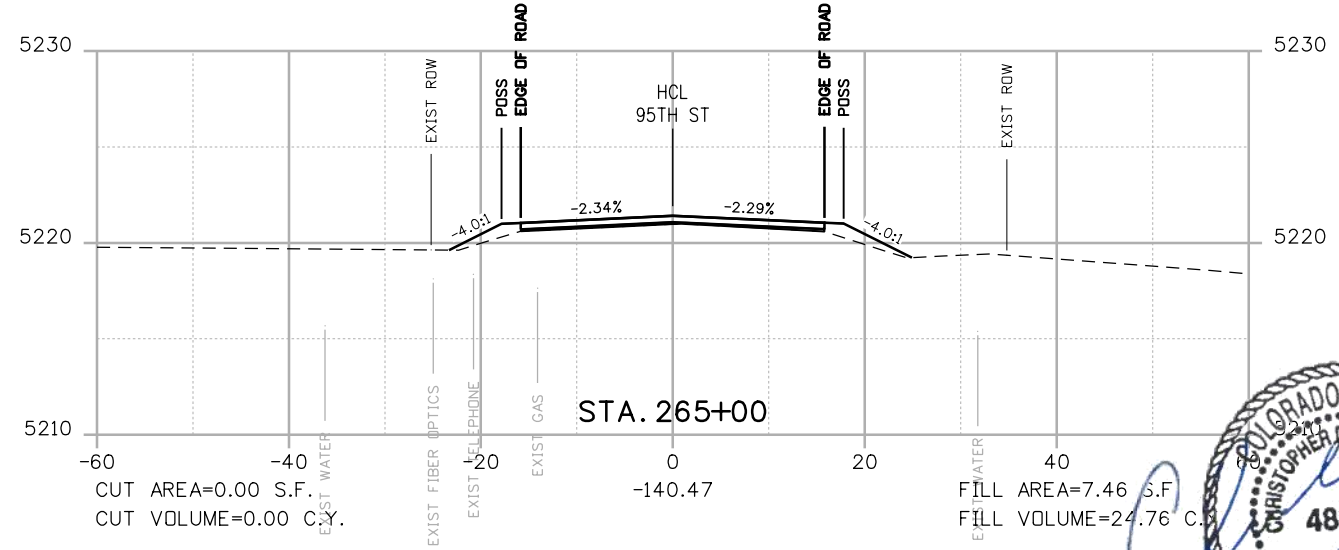
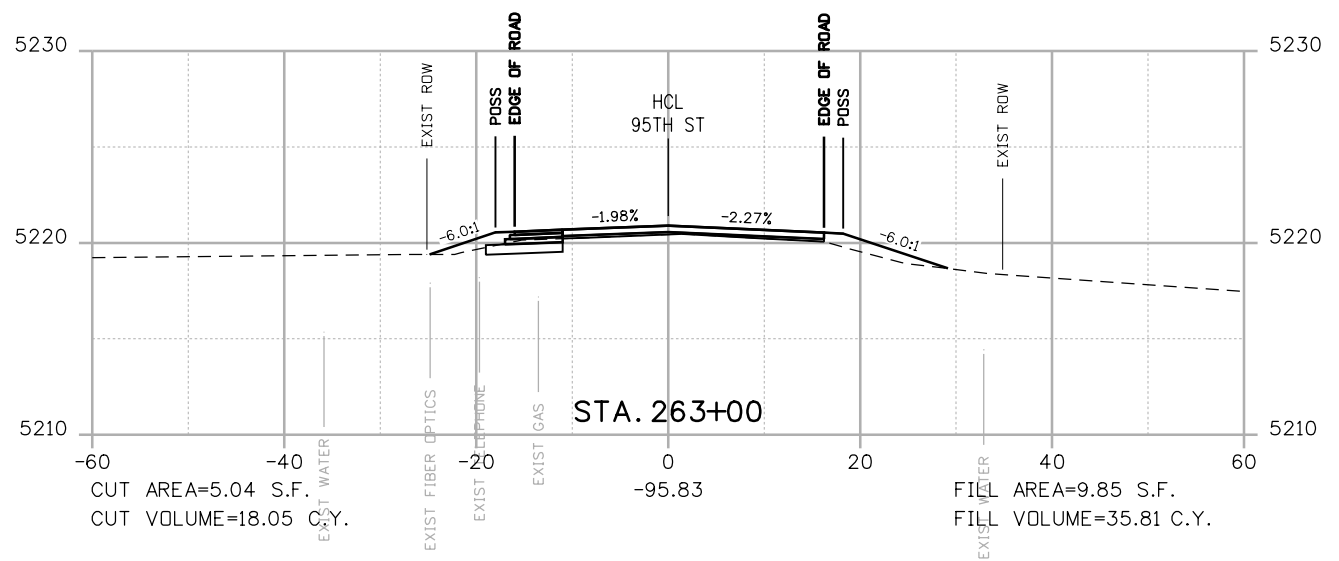
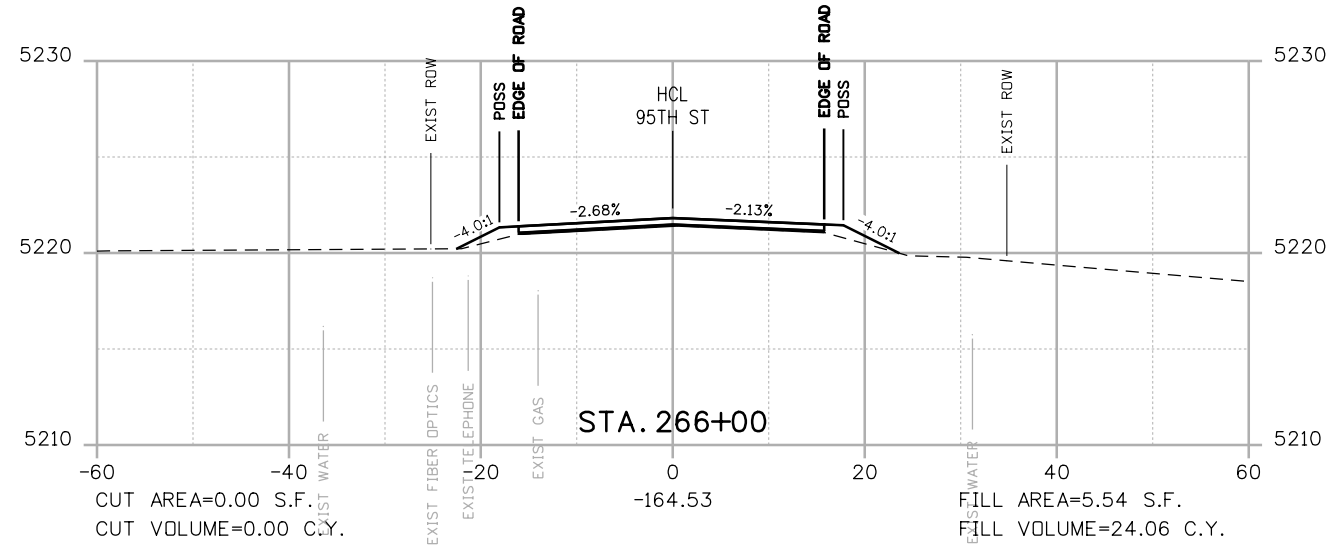
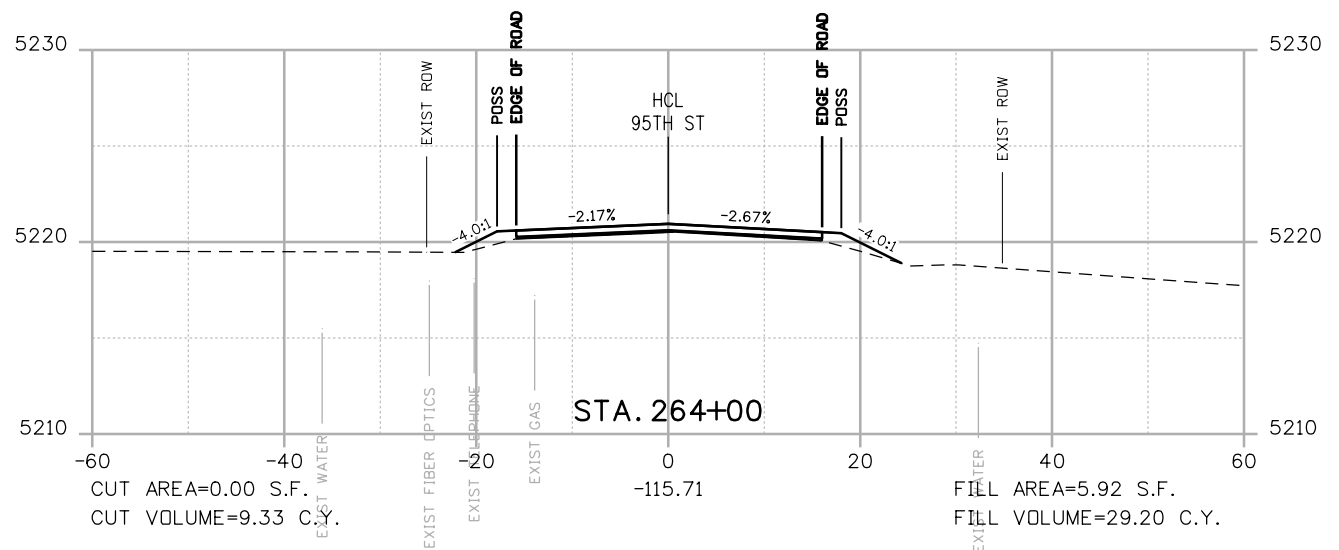
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**95TH STREET
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POSS

 POINT OF SLOPE SELECTION
 GROUND SURVEY
 GROUND LIDAR
 PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
 CENTER OF COLORADO**
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**
AECOM

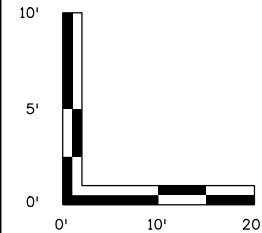
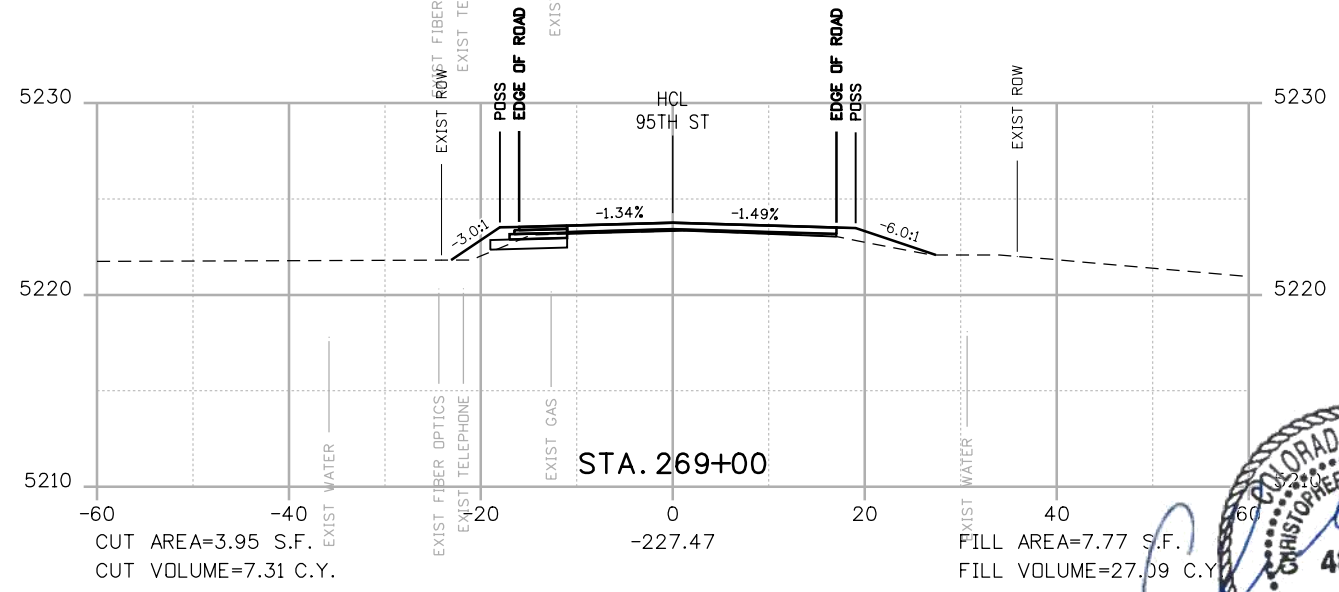
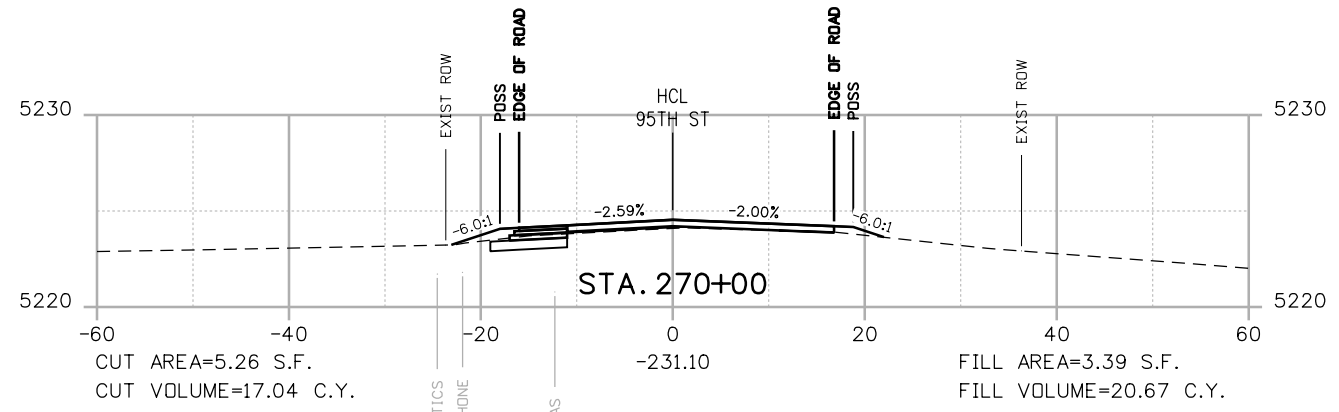
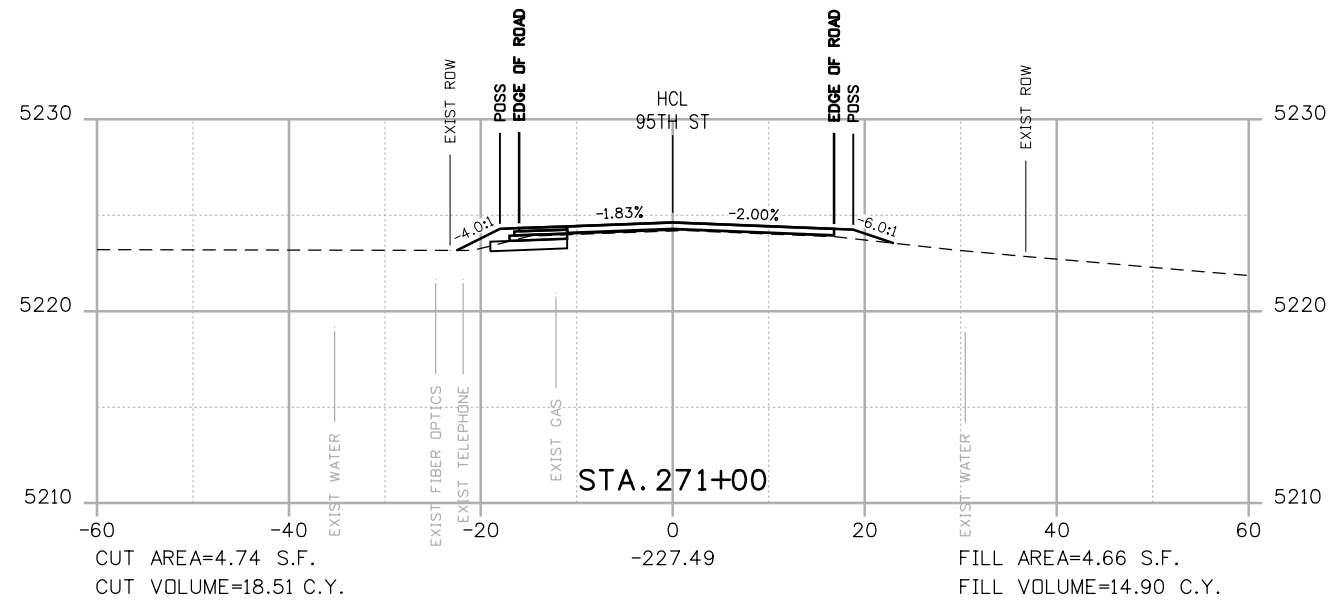
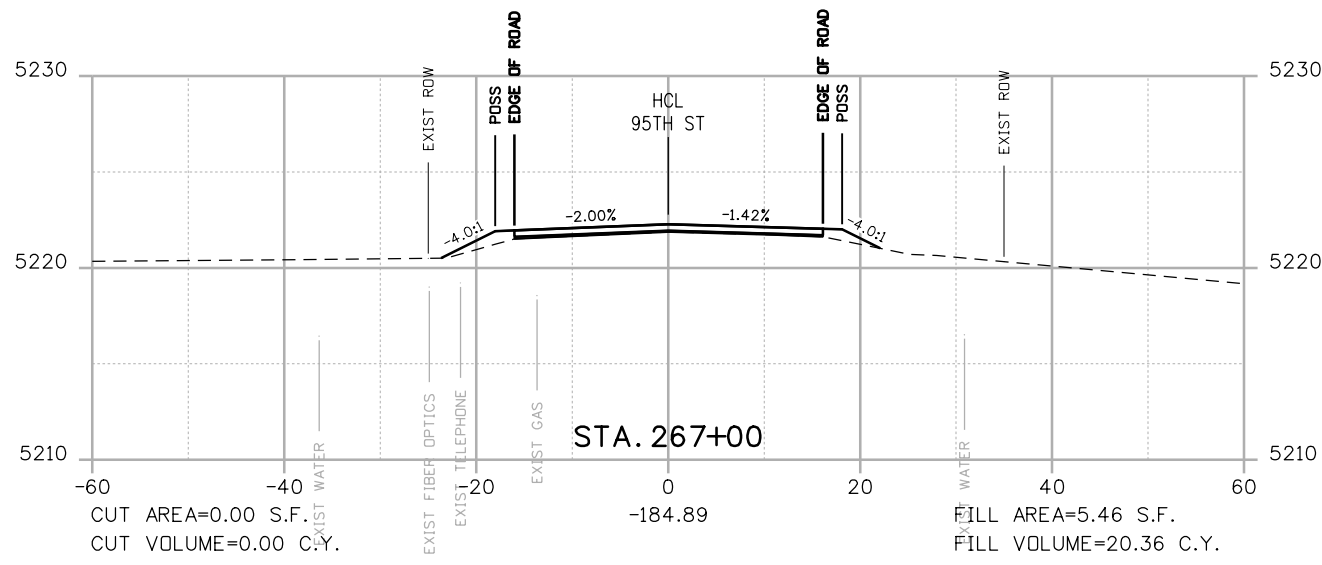
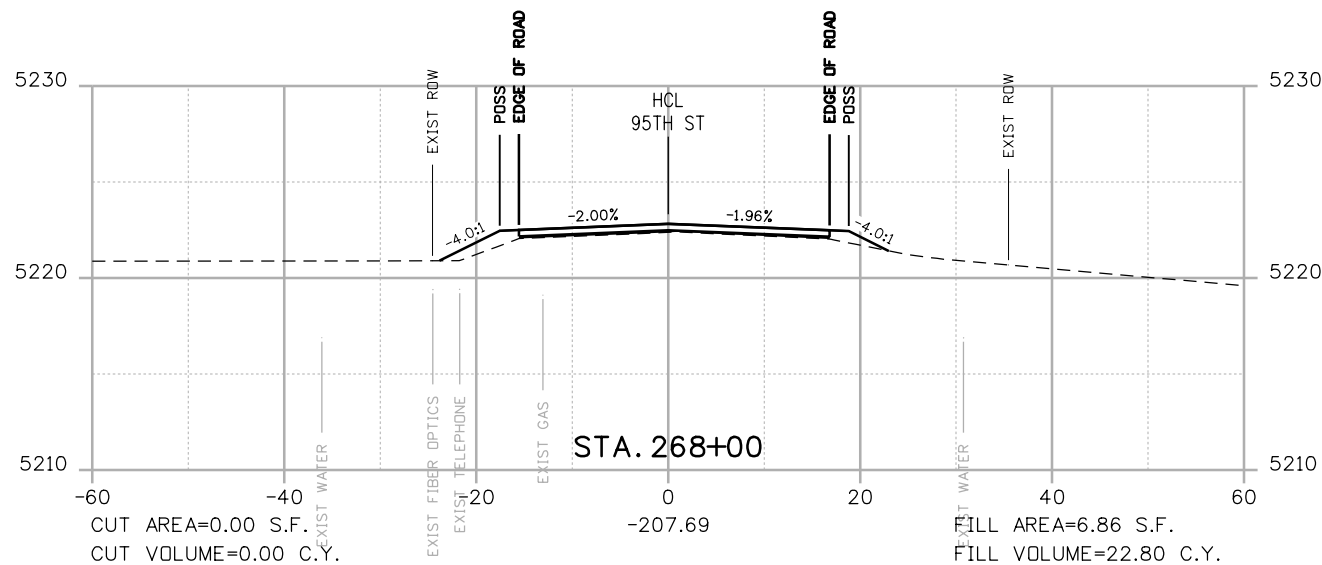
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**95TH STREET
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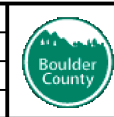
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 GROUND SURVEY
 GROUND LIDAR
 PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
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 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

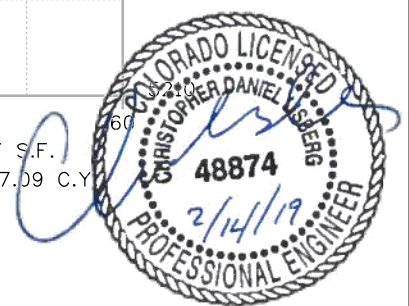


**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**

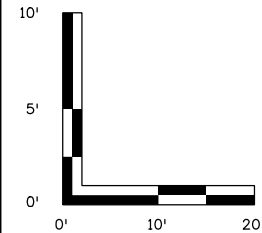
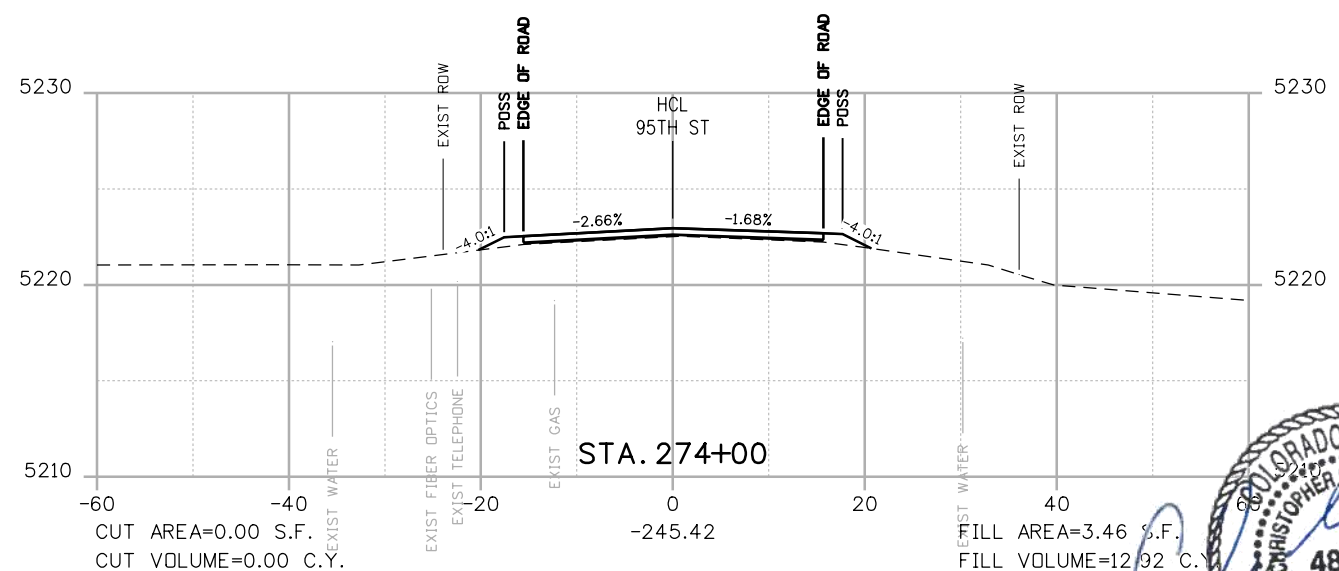
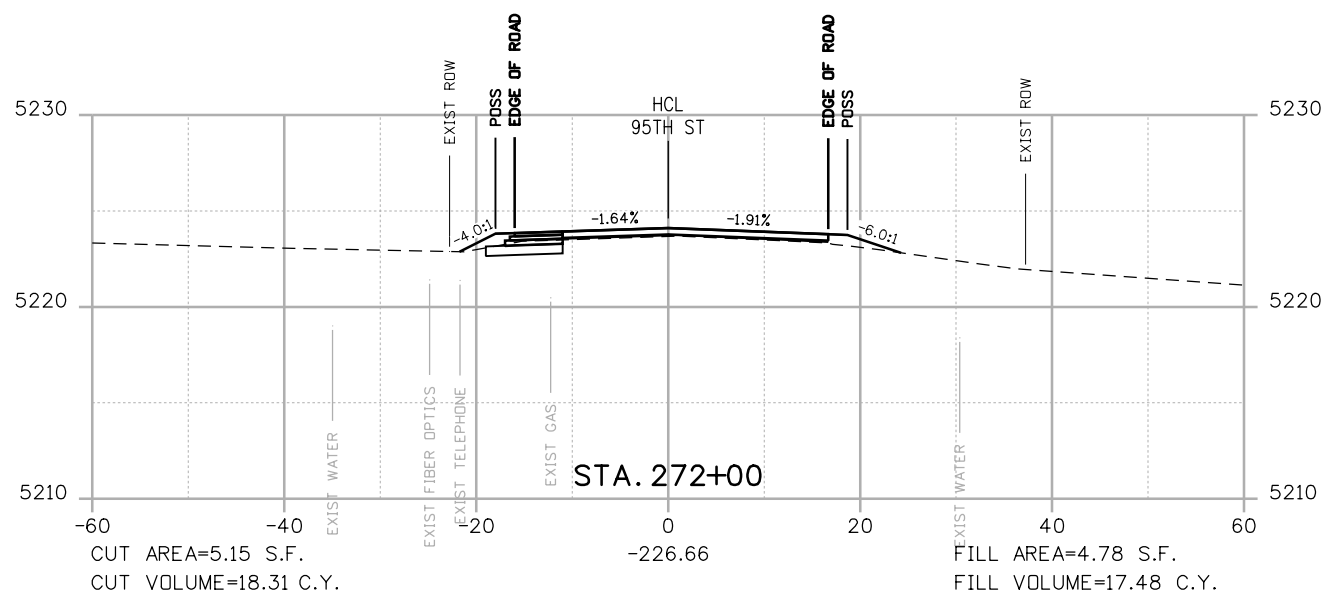
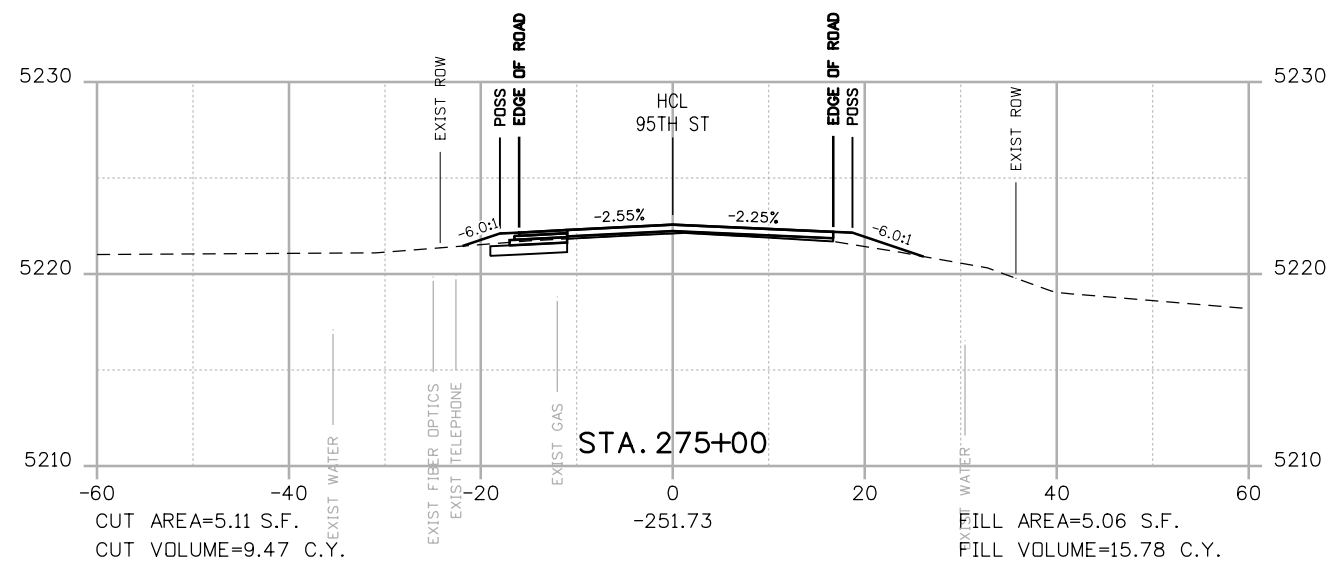
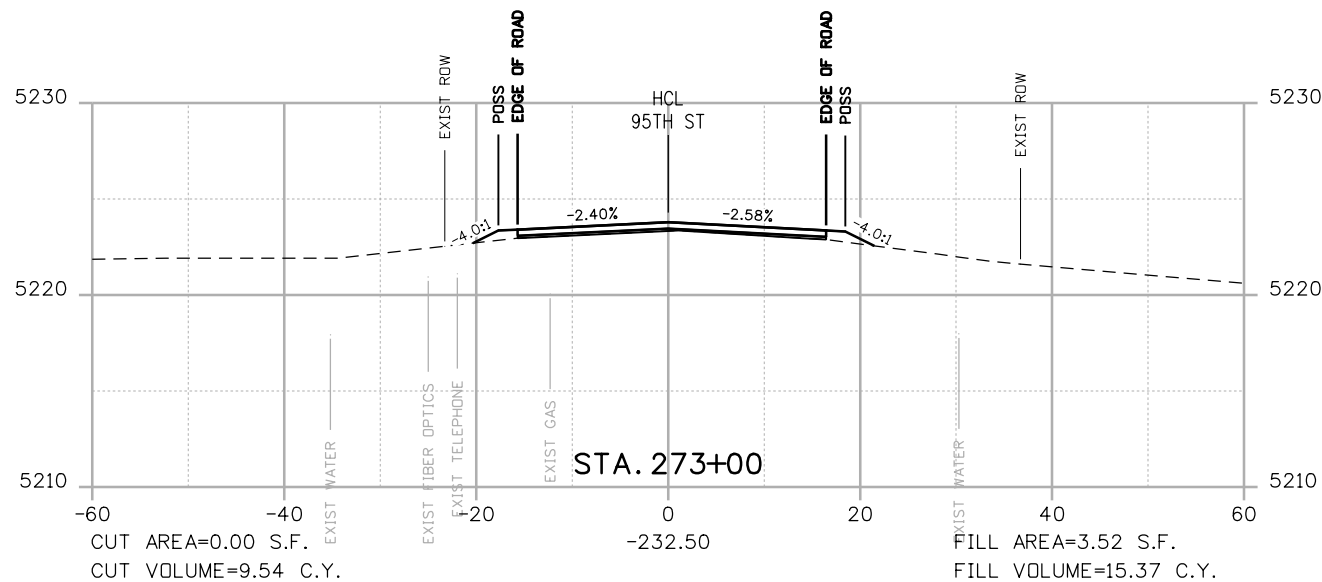
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**95TH STREET
 CROSS SECTIONS**

PROJECT NO: 74030
 SHEET NO: X6



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POSS
 --- POINT OF SLOPE SELECTION
 --- GROUND SURVEY
 --- GROUND LIDAR
 --- PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
 CENTER OF COLORADO**
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

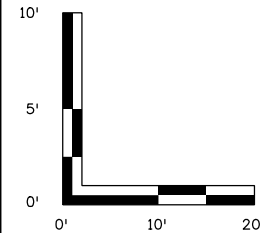
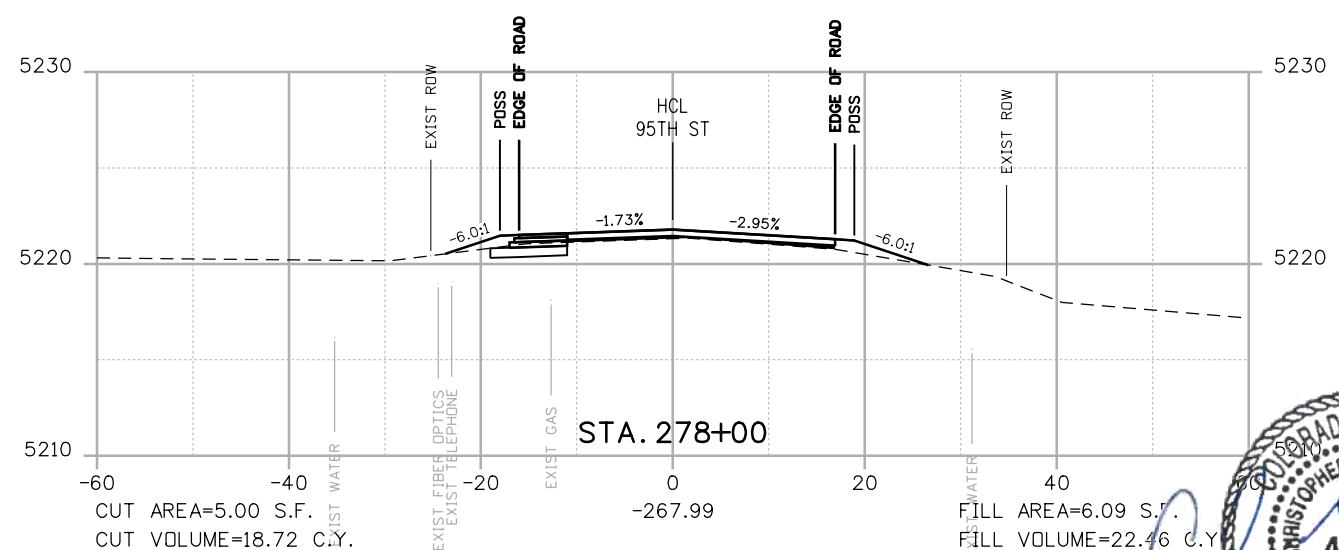
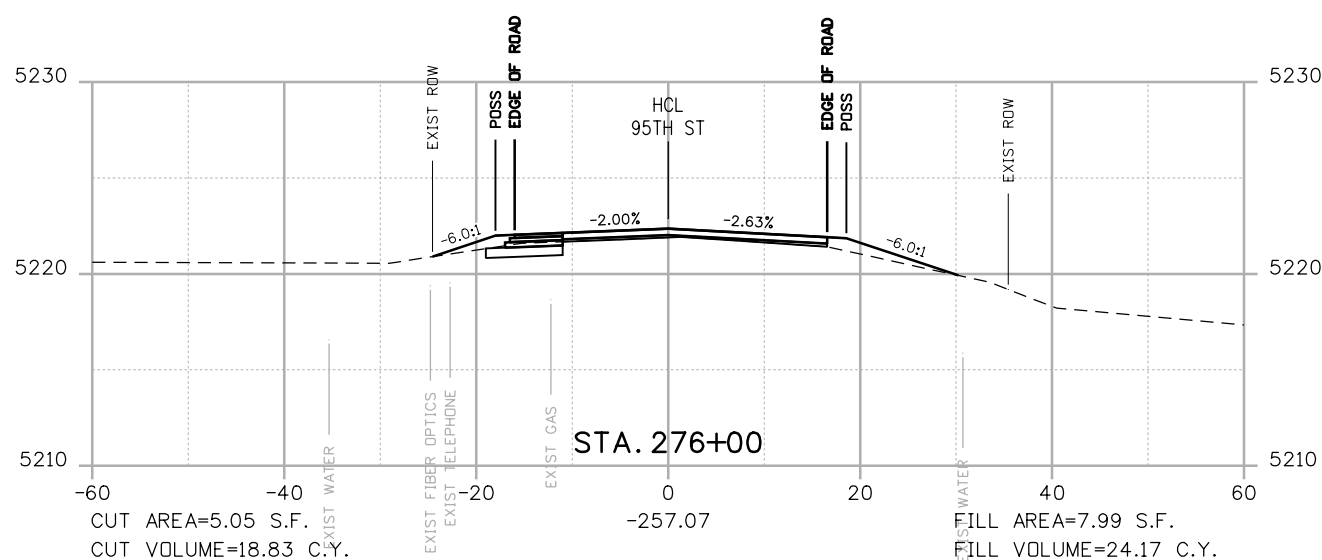
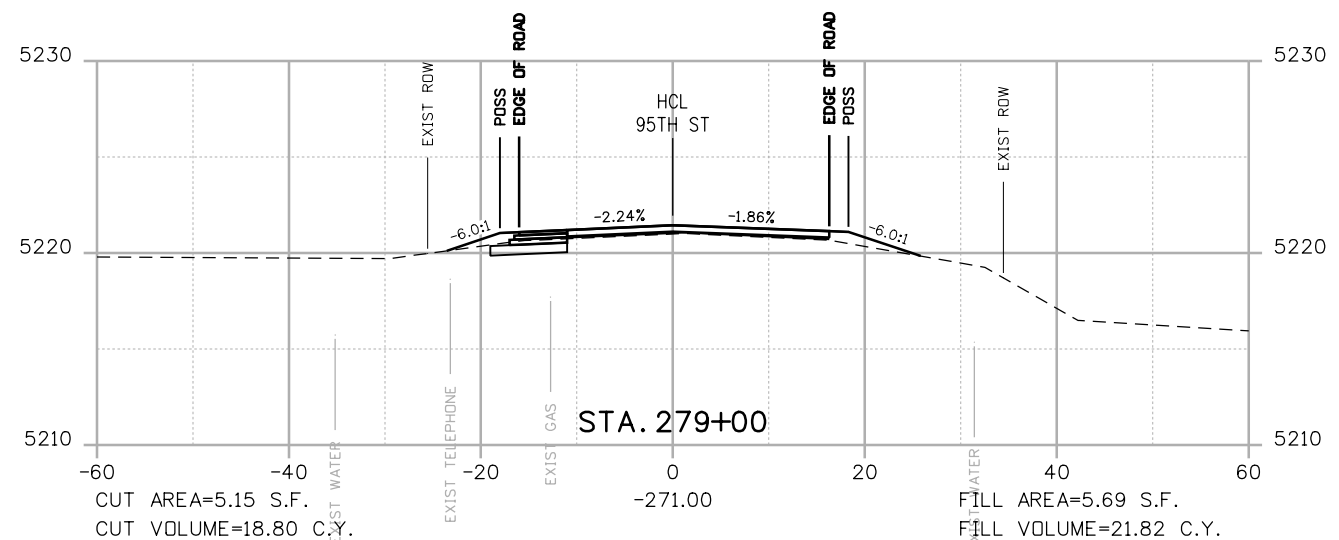
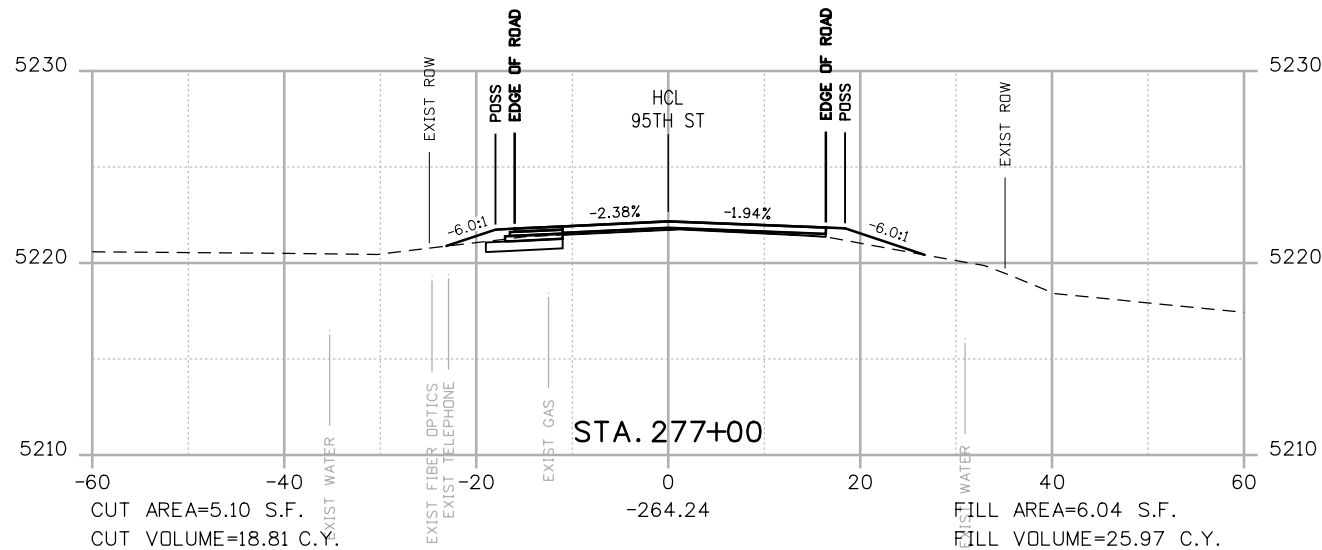


**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**
AECOM
 DESIGNED: JTS
 CAD: MPR
 CHECKED: CDL
 DATE: 02/14/2019

**95TH STREET
 CROSS SECTIONS**
 PROJECT NO: 74030
 SHEET NO: X7



alison.lavery 2:01:30 PM pw:\617479-PWINT.aecomonline.local:AECOM_DSO1_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



POINT OF SLOPE SELECTION
 GROUND SURVEY
 GROUND LIDAR
 PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
 CENTER OF COLORADO**
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

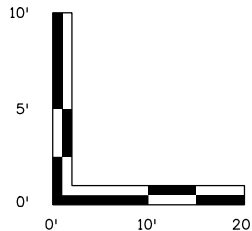
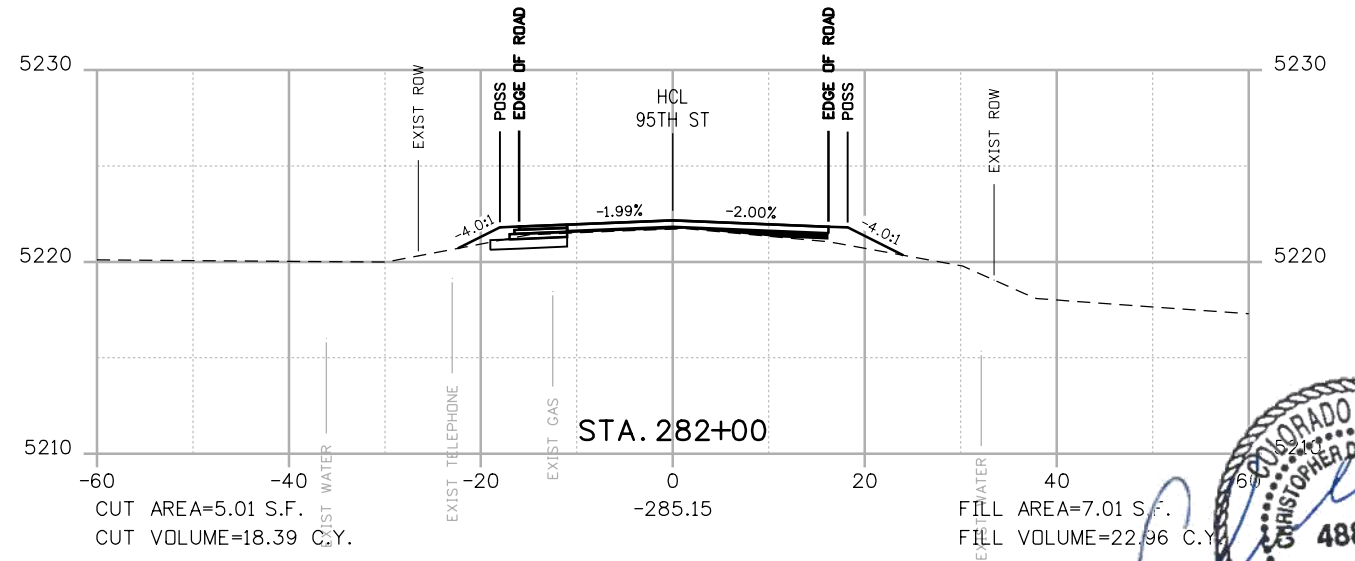
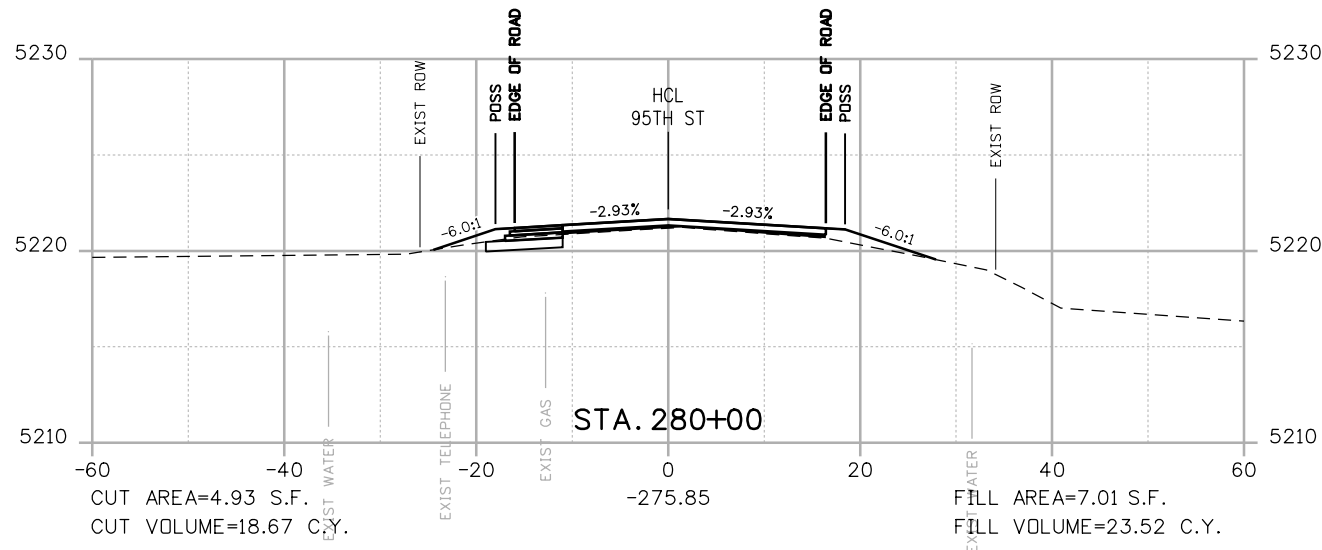
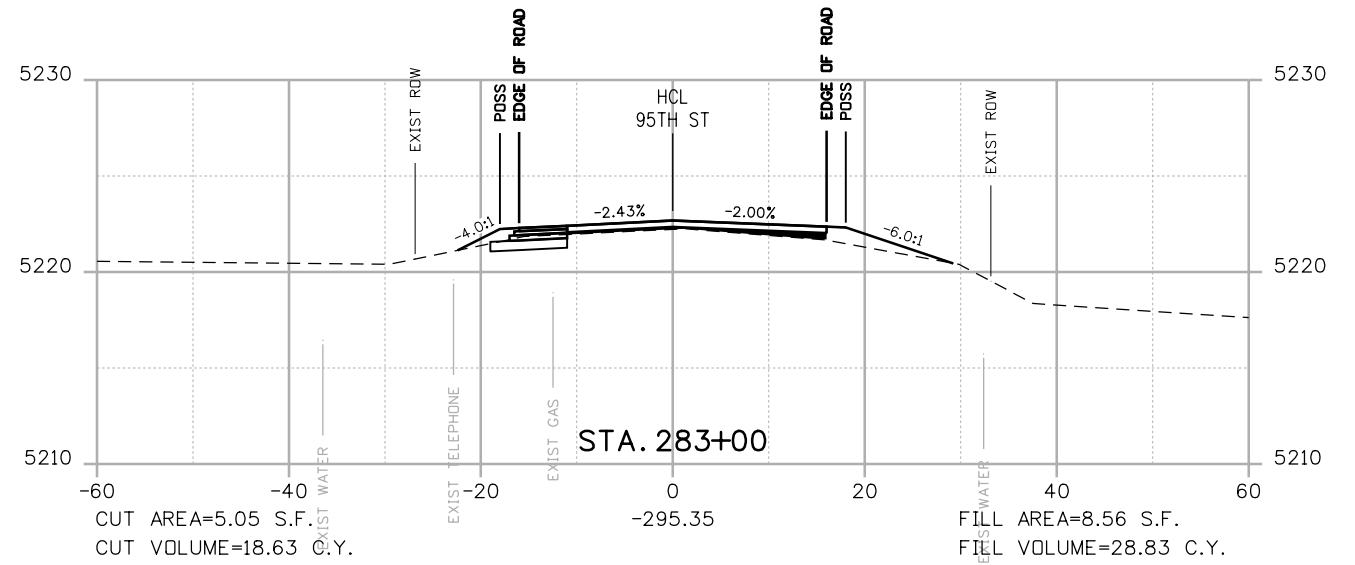
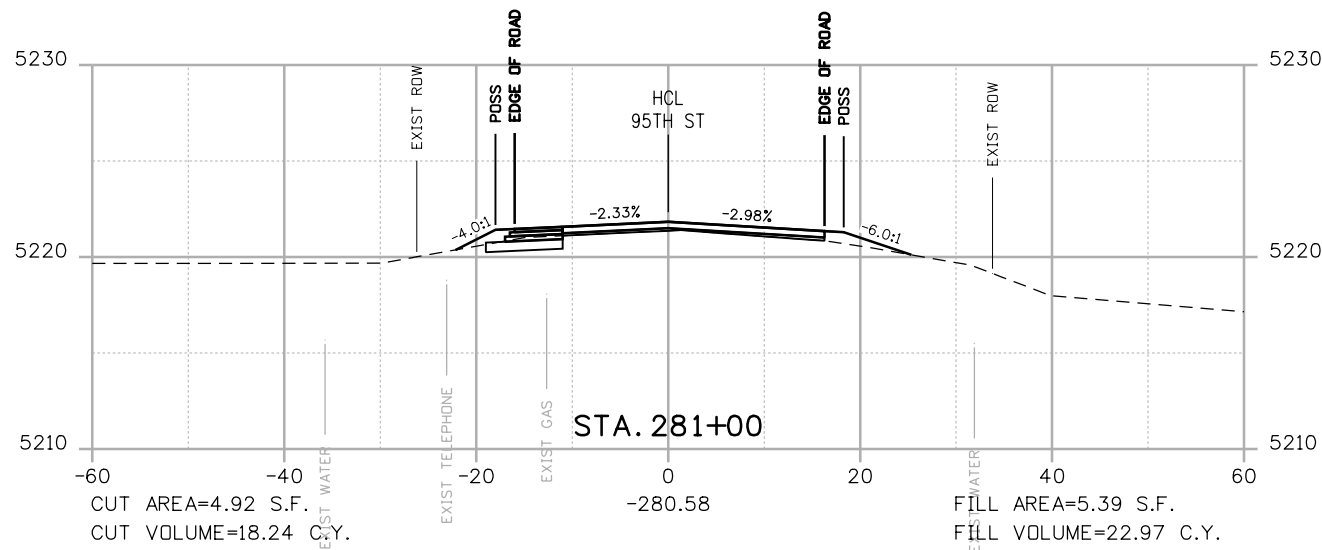


**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**
AECOM
 DESIGNED: JTS
 CAD: MPR
 CHECKED: CDL
 DATE: 02/14/2019

**95TH STREET
 CROSS SECTIONS**
 PROJECT NO: 74030
 SHEET NO: X8



alison.lavery 2:01:37 PM pw:\617479-PWINT.aecomonline.local\AECOM_DSO1_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



POSS

POINT OF SLOPE SELECTION
GROUND SURVEY
GROUND LIDAR
PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
CENTER OF COLORADO**
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**



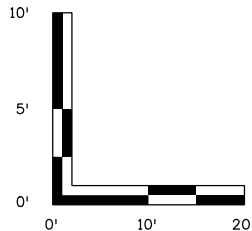
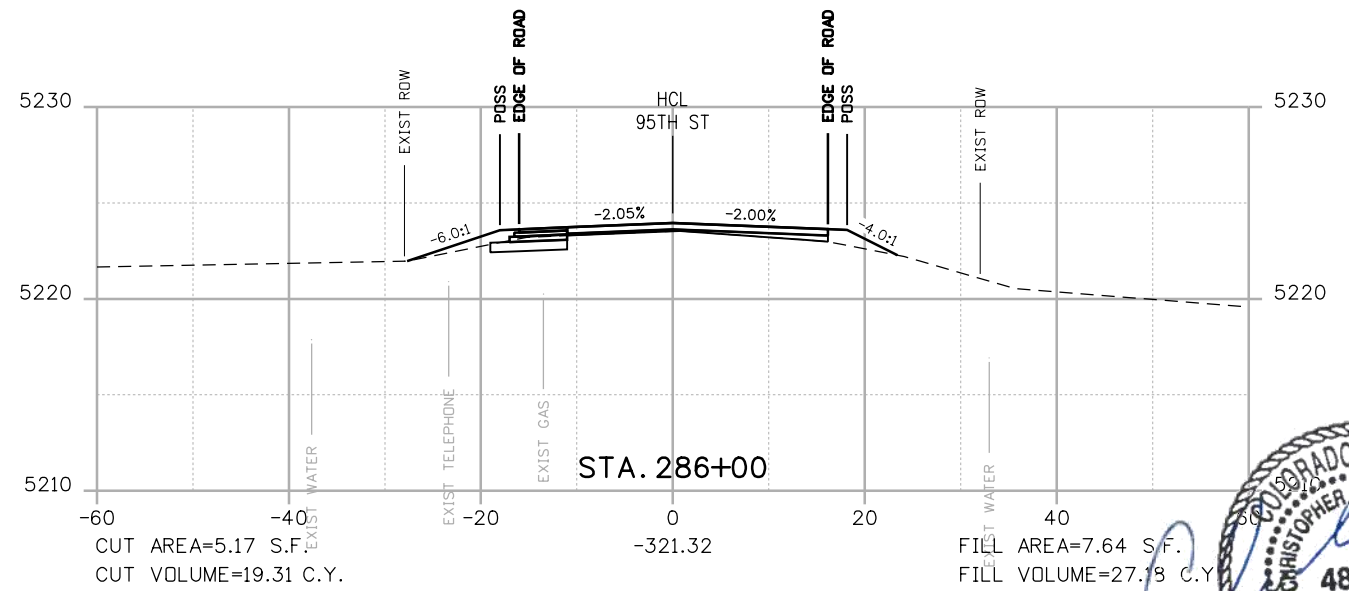
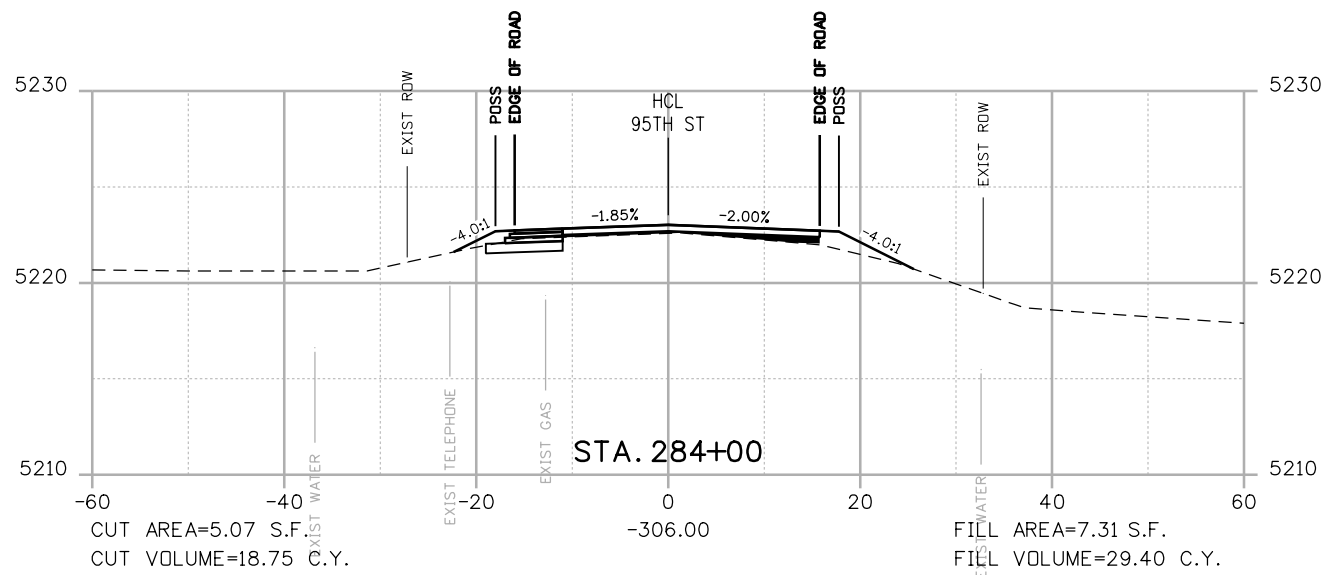
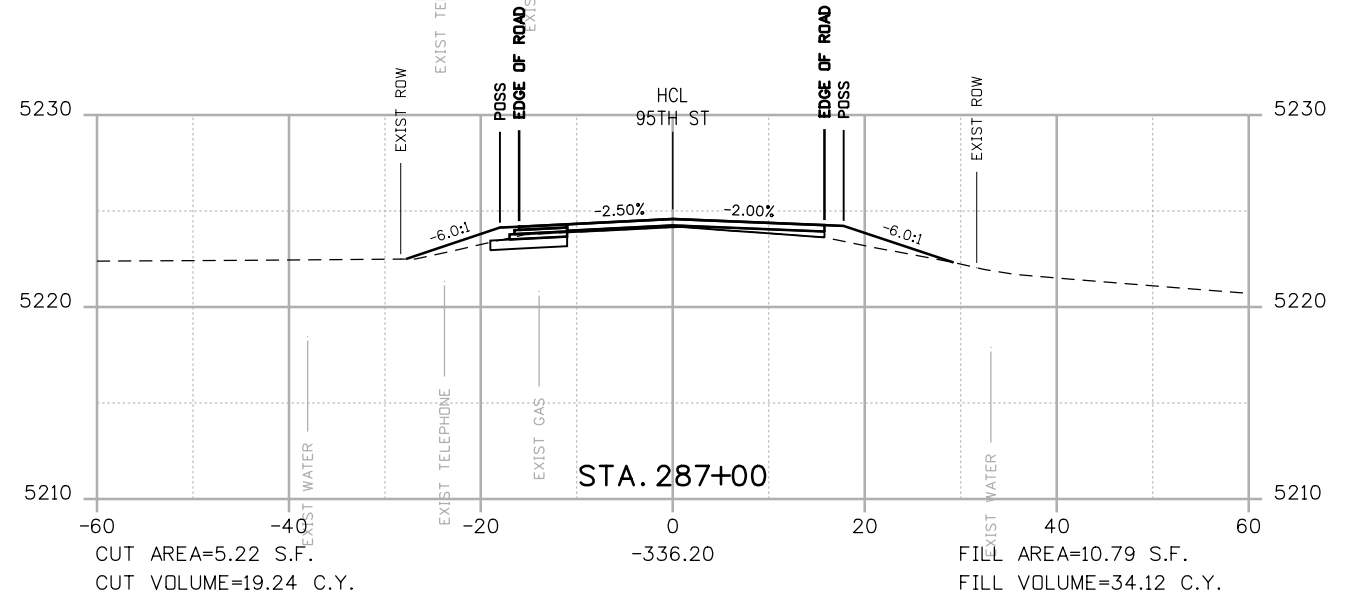
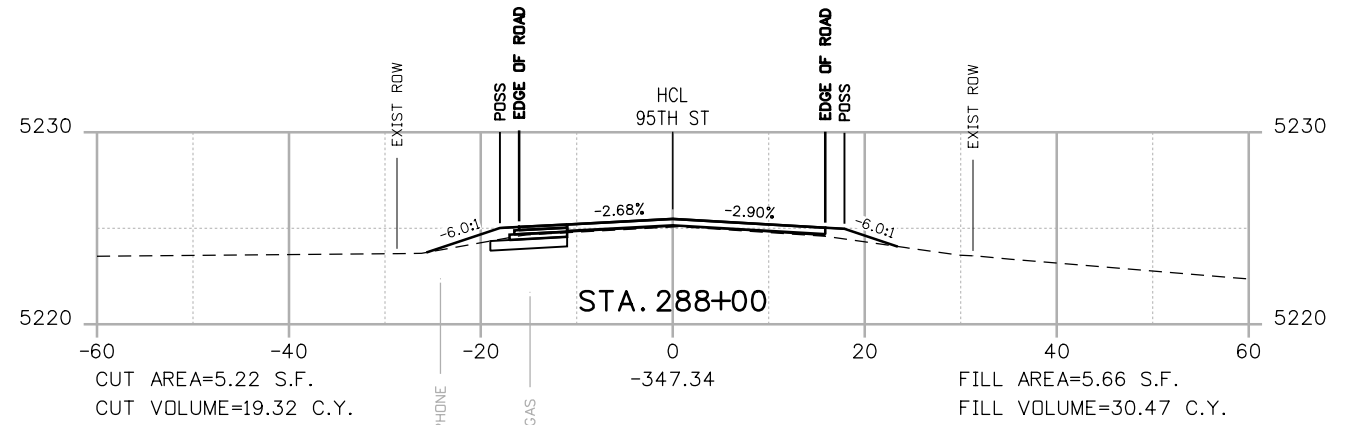
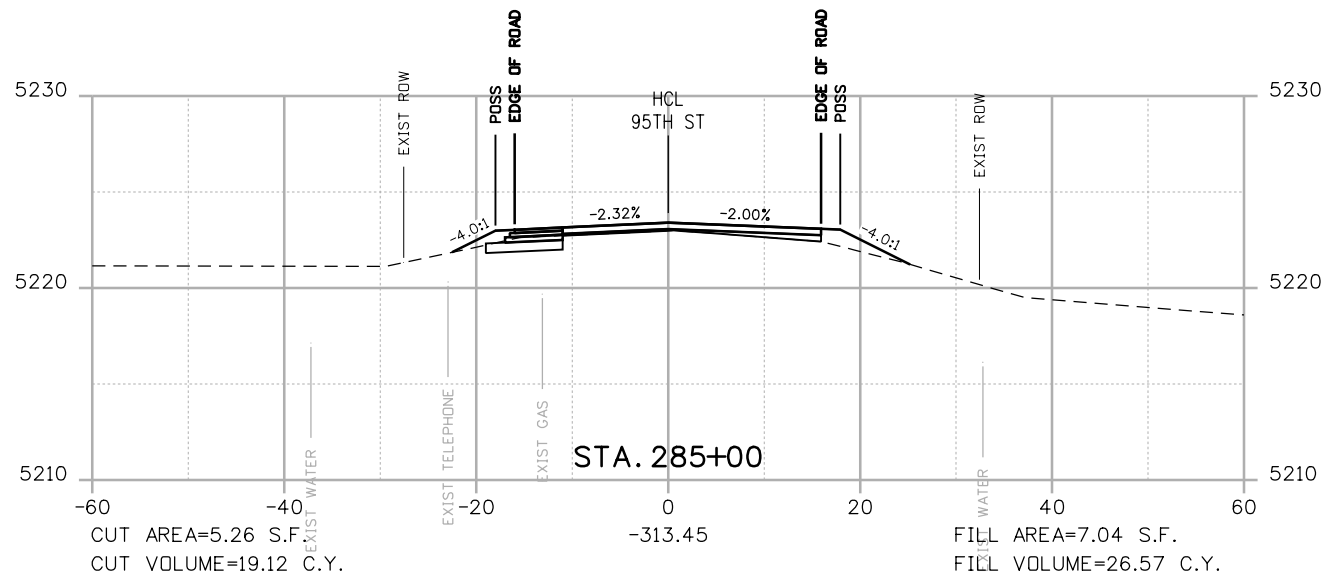
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CAD: MPR
CHECKED: CDL
DATE: 02/14/2019

PROJECT NO: 74030 SHEET NO: X9



**95TH STREET
CROSS SECTIONS**

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POINT OF SLOPE SELECTION
 GROUND SURVEY
 GROUND LIDAR
 PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
 CENTER OF COLORADO**
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

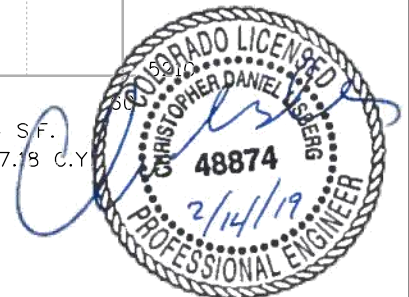
NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**

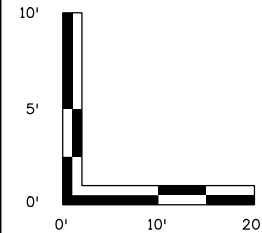
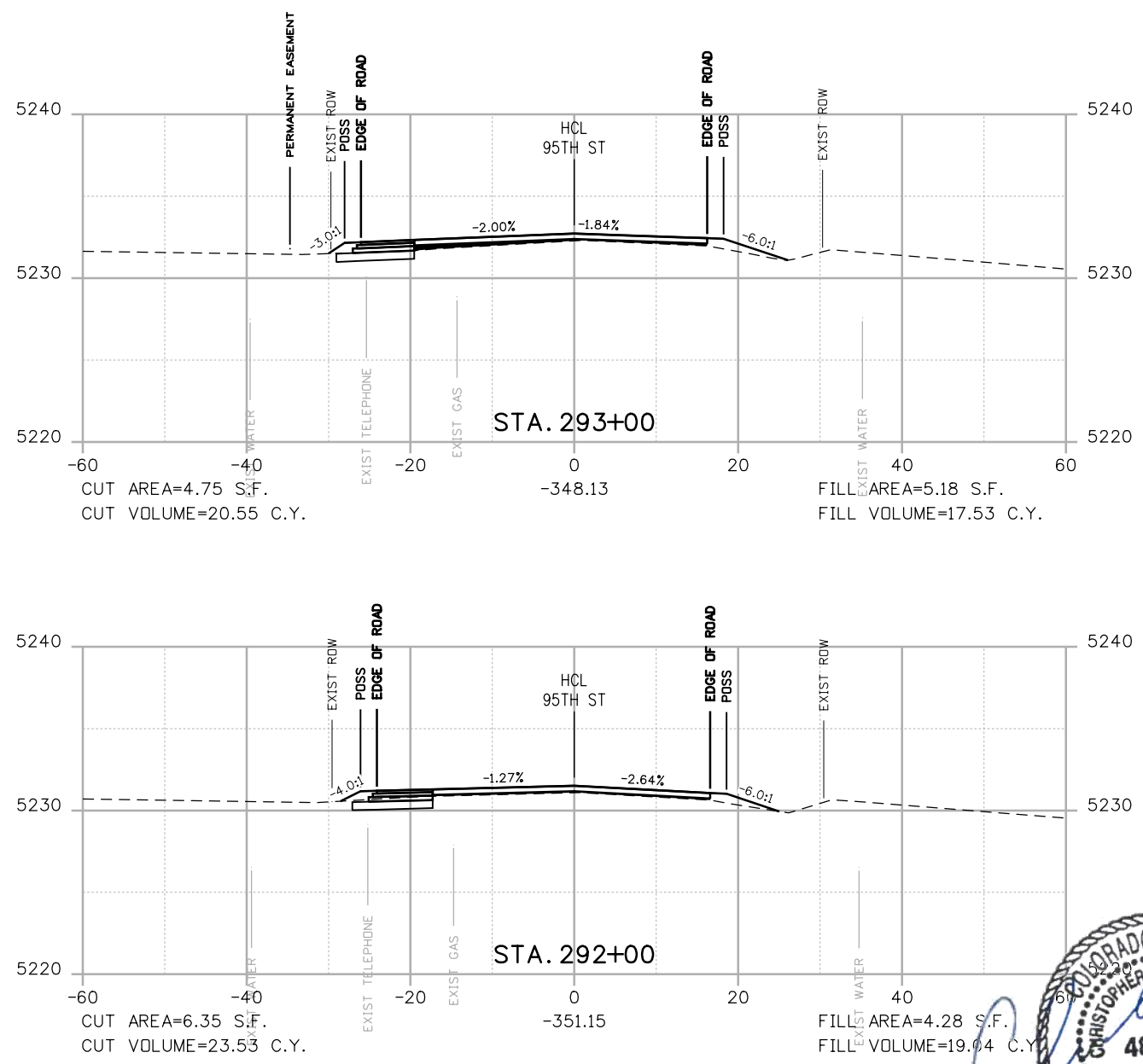
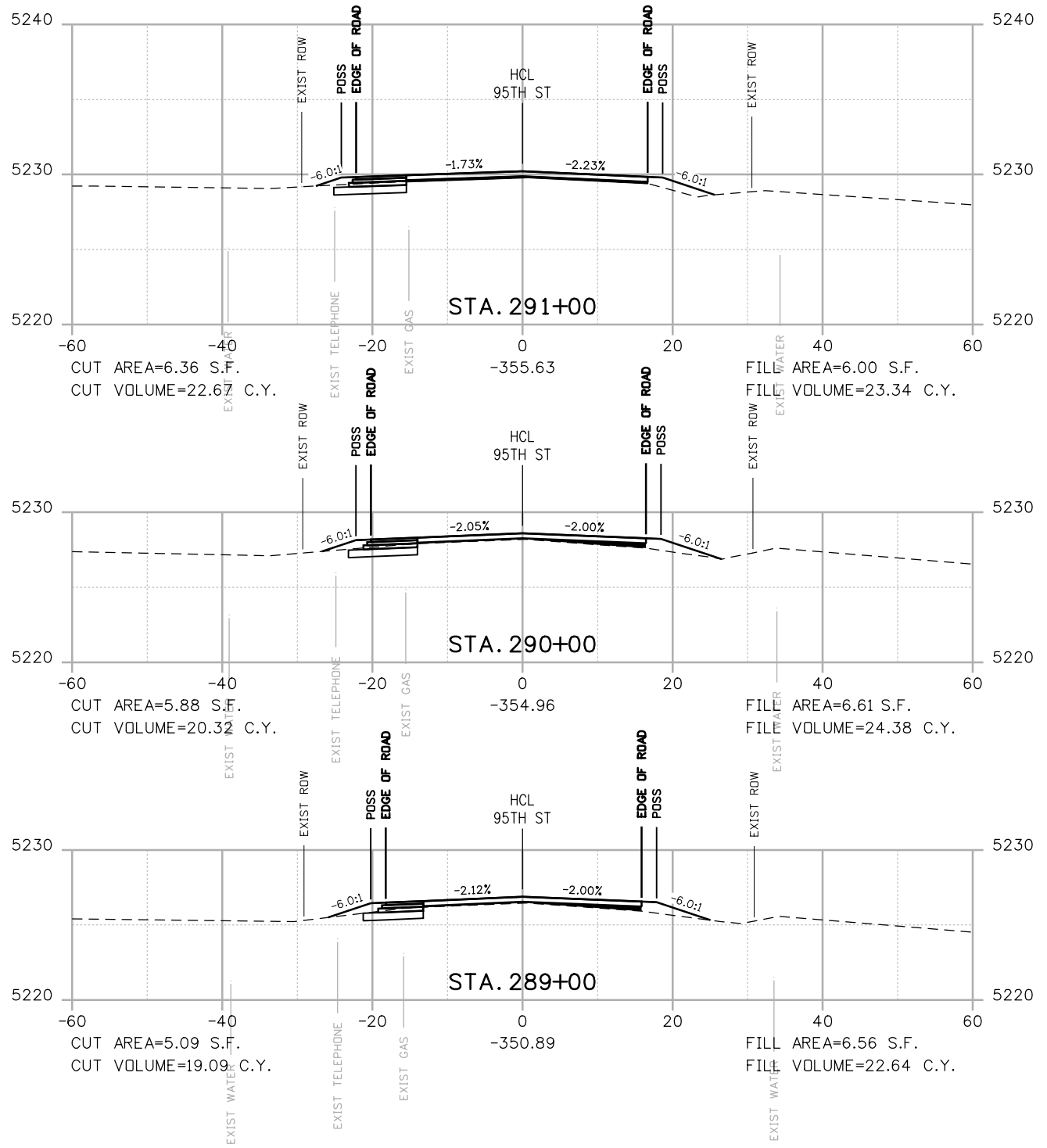


DESIGNED: JTS
 CAD: MPR
 CHECKED: CDL
 DATE: 02/14/2019



**95TH STREET
 CROSS SECTIONS**
 PROJECT NO: 74030
 SHEET NO: X10

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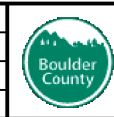
POSS
 --- POINT OF SLOPE SELECTION
 --- GROUND SURVEY
 --- GROUND LIDAR
 --- PROPOSED GRADE

RFC

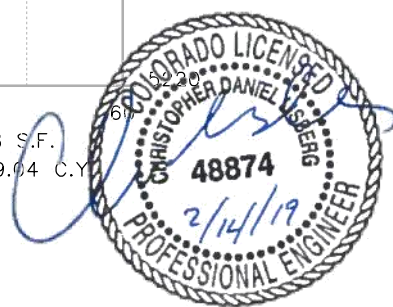


**CALL UTILITY NOTIFICATION
 CENTER OF COLORADO**
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

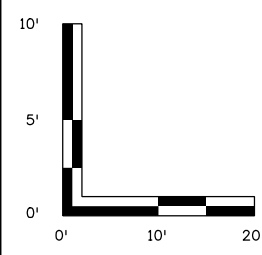
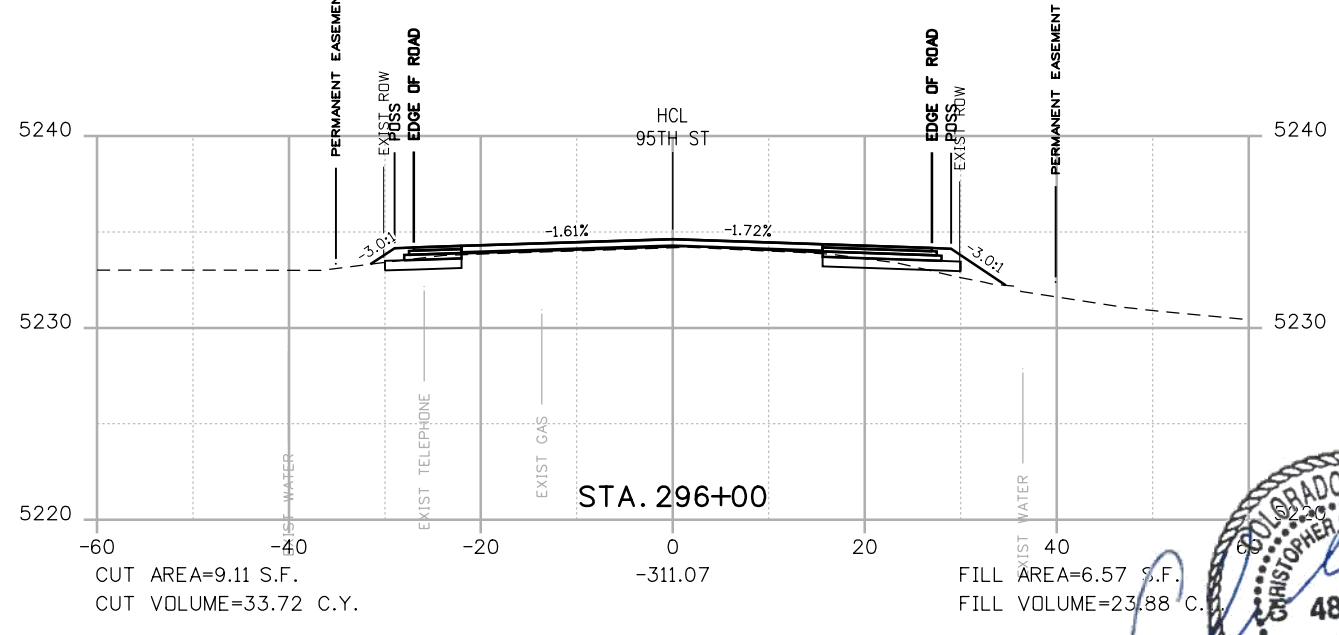
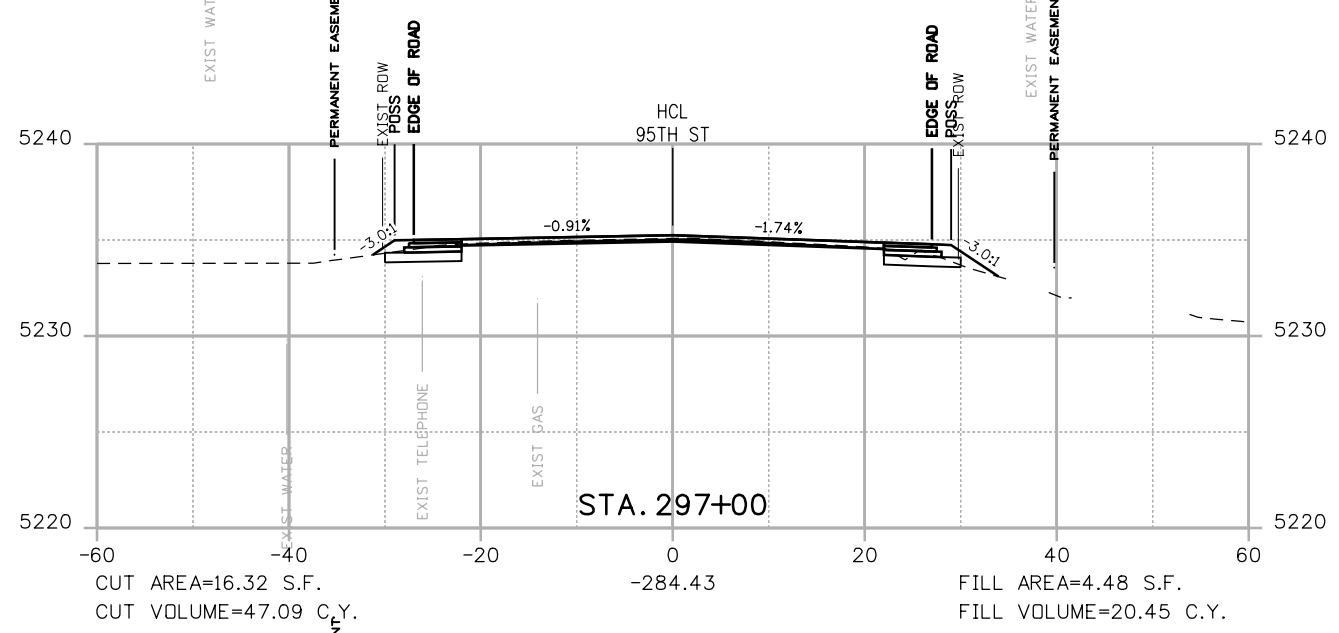
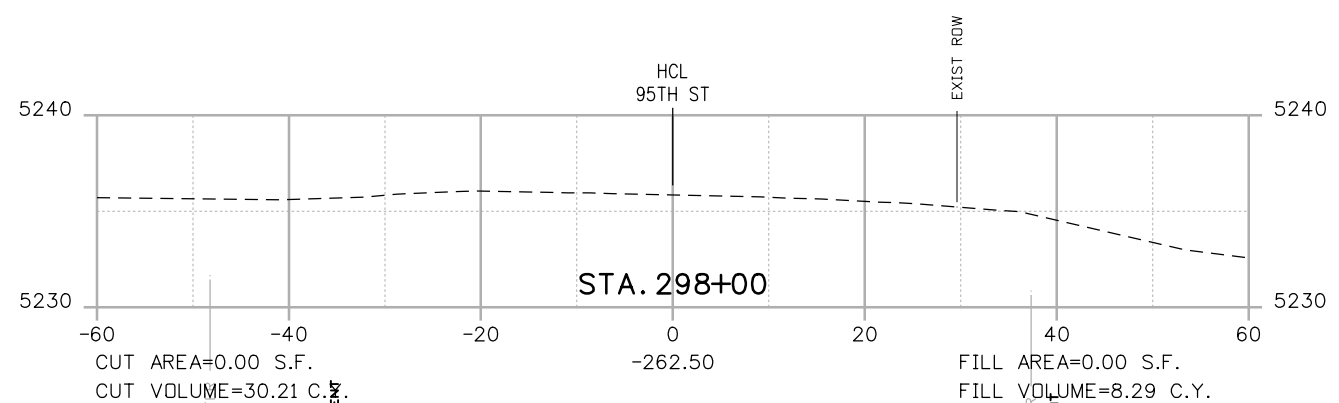
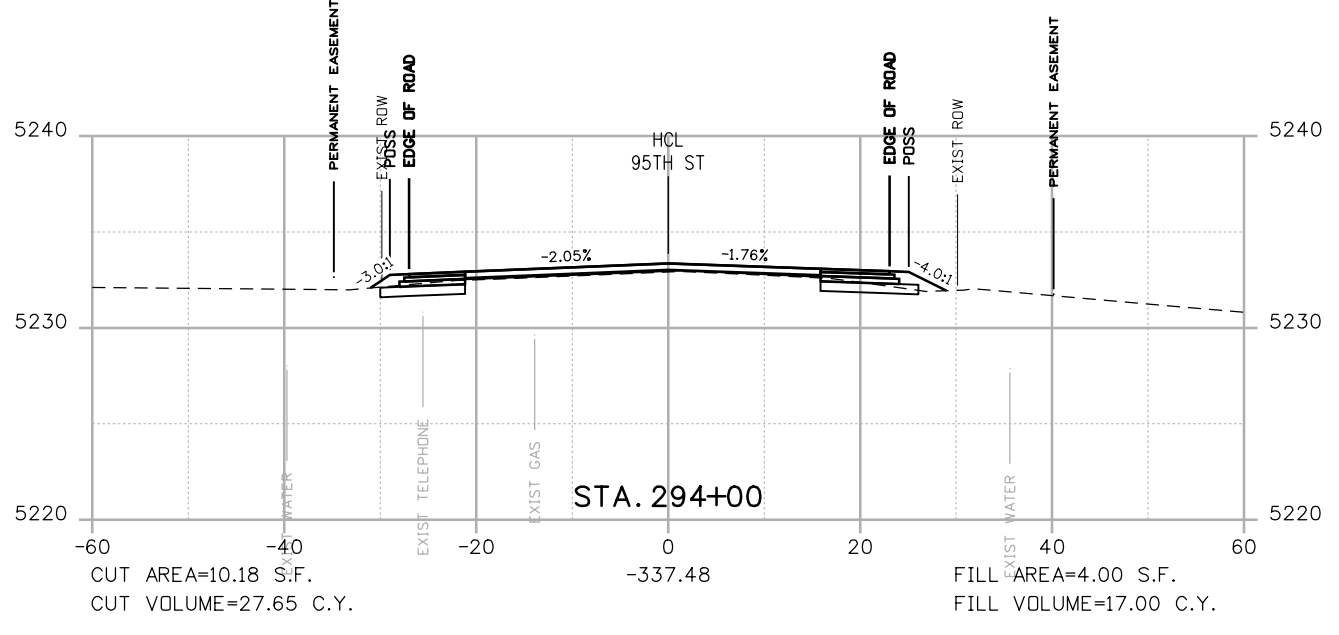
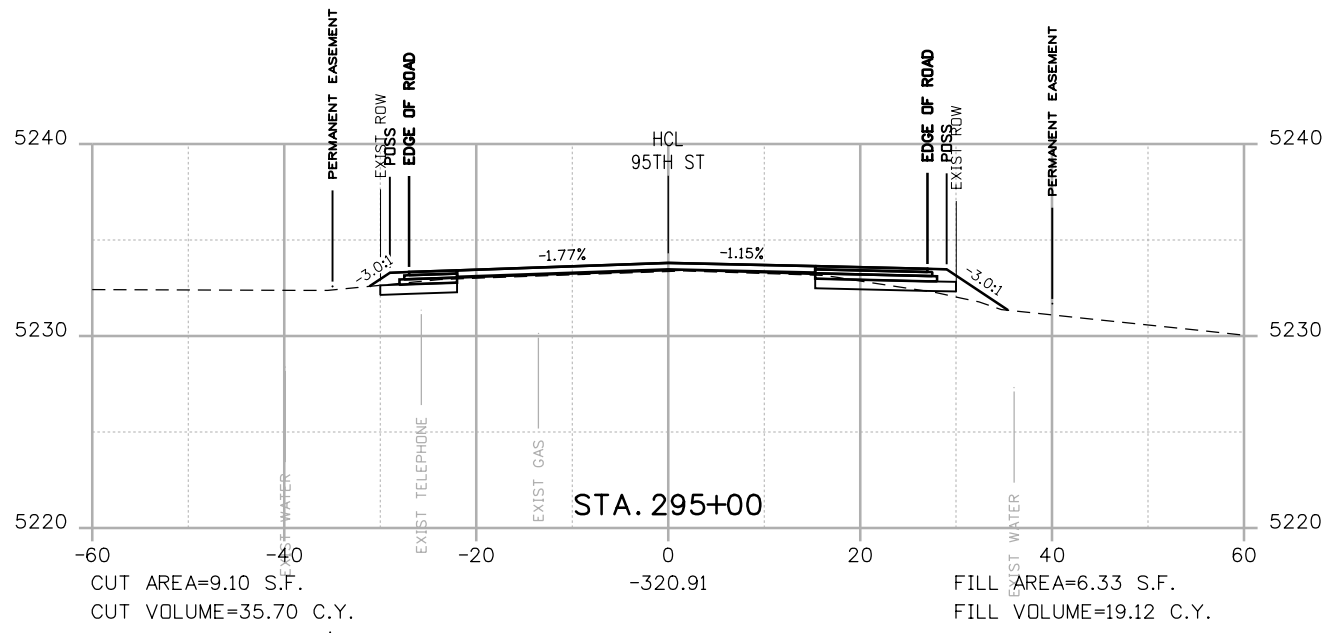


**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**
AECOM
 DESIGNED: JTS CAD: MPR CHECKED: CDL DATE: 02/14/2019



**95TH STREET
 CROSS SECTIONS**
 PROJECT NO: 74030 SHEET NO: X11

olison.lavery 2:01:59 PM pw:\617479-PWINT.aecomonline.local:AECOM_DSO1_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



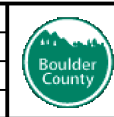
POSS
 --- POINT OF SLOPE SELECTION
 --- GROUND SURVEY
 --- GROUND LIDAR
 --- PROPOSED GRADE

RFC



CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



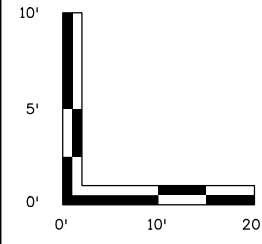
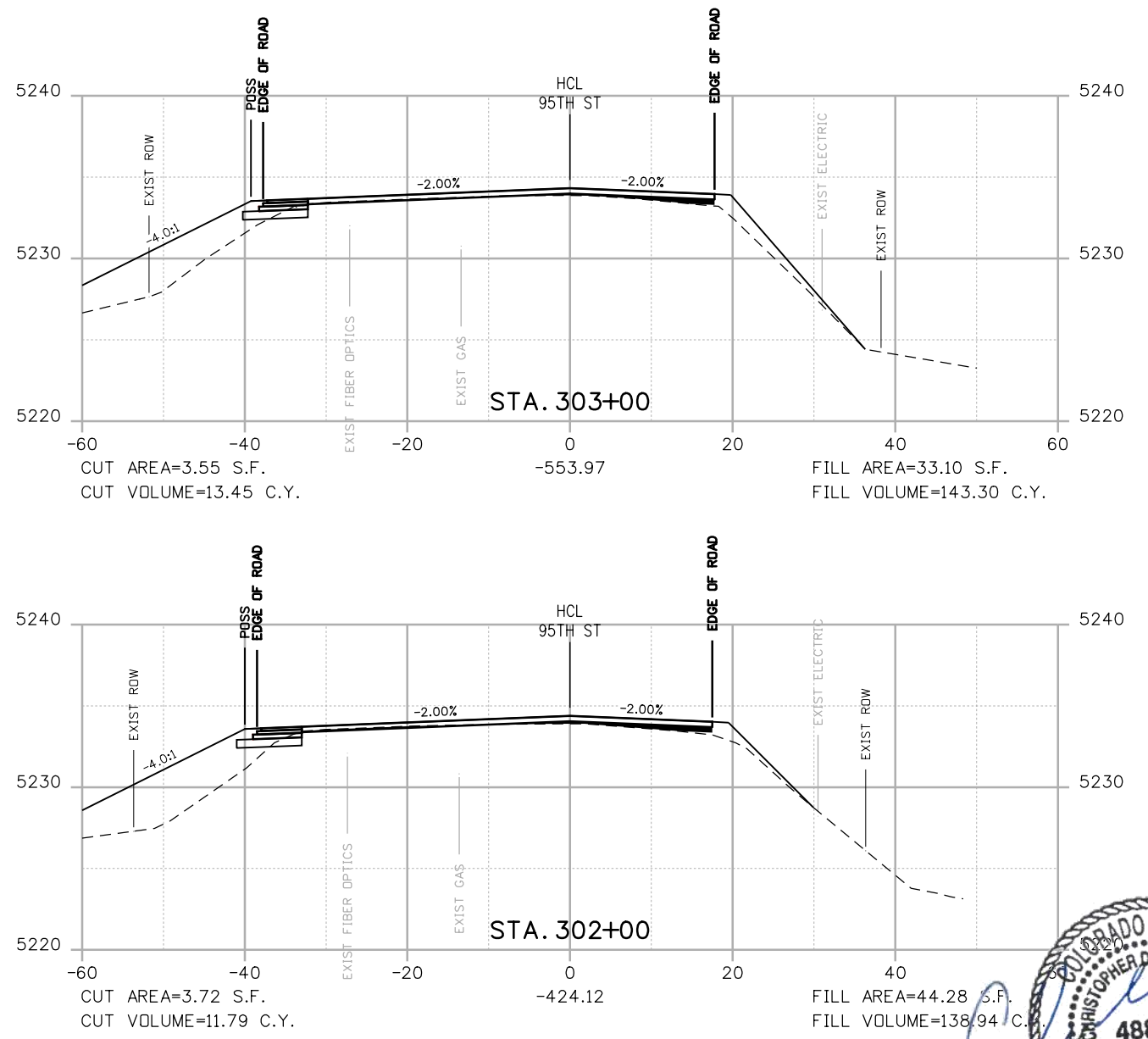
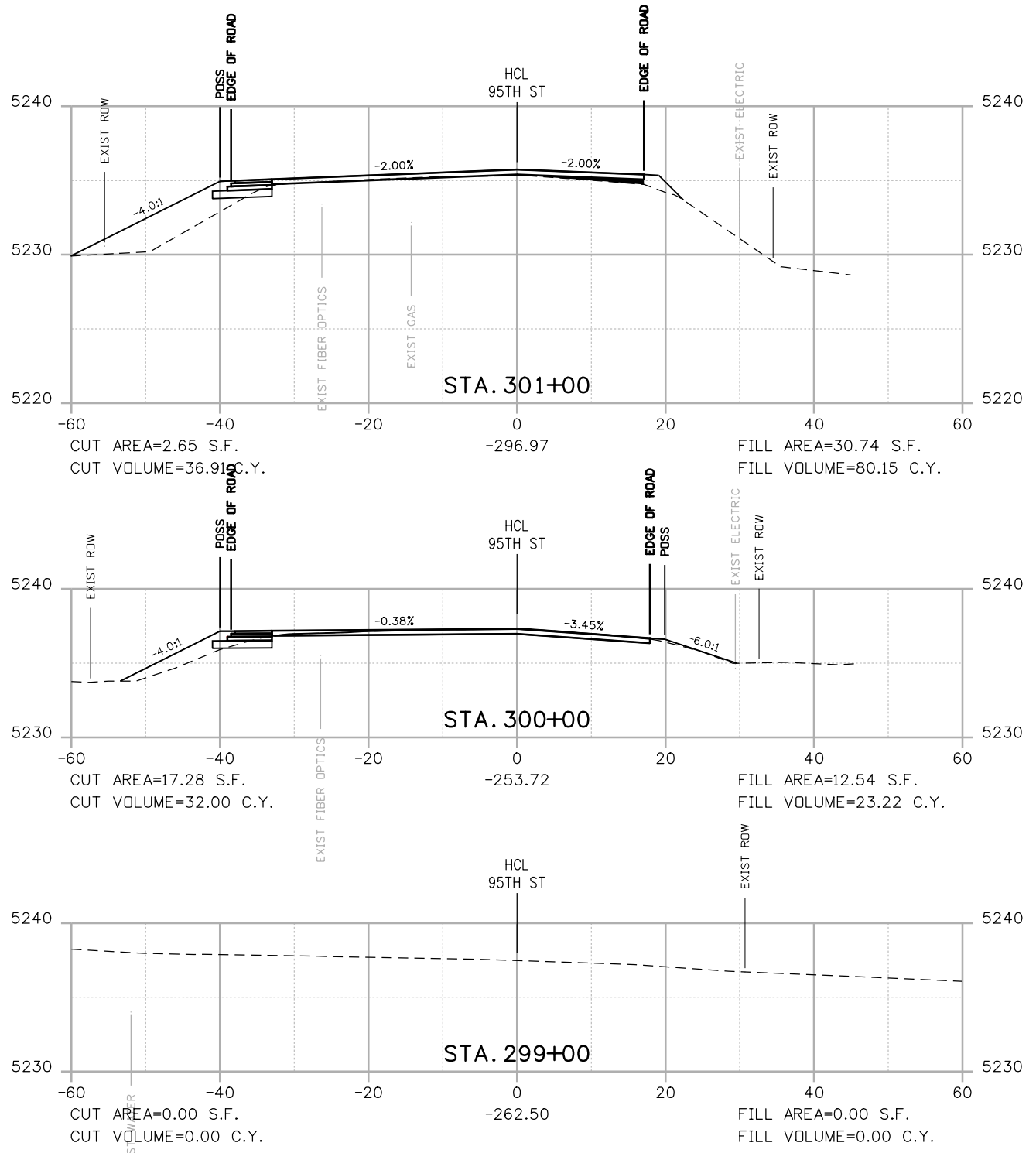
BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: JTS
 CAD: MPR
 CHECKED: CDL
 DATE: 02/14/2019

95TH STREET CROSS SECTIONS
 PROJECT NO: 74030 SHEET NO: X12



alison.lavery 2:02:06 PM pw:\617479-PWINT.oecononline.local:AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



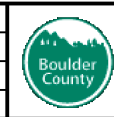
POSS
 - - - - - POINT OF SLOPE SELECTION
 - - - - - GROUND SURVEY
 - - - - - GROUND LIDAR
 - - - - - PROPOSED GRADE

RFC



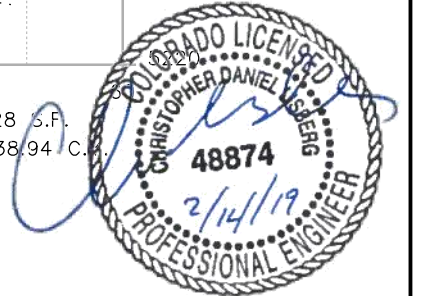
**CALL UTILITY NOTIFICATION
 CENTER OF COLORADO**
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

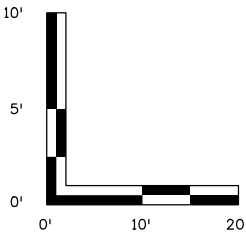
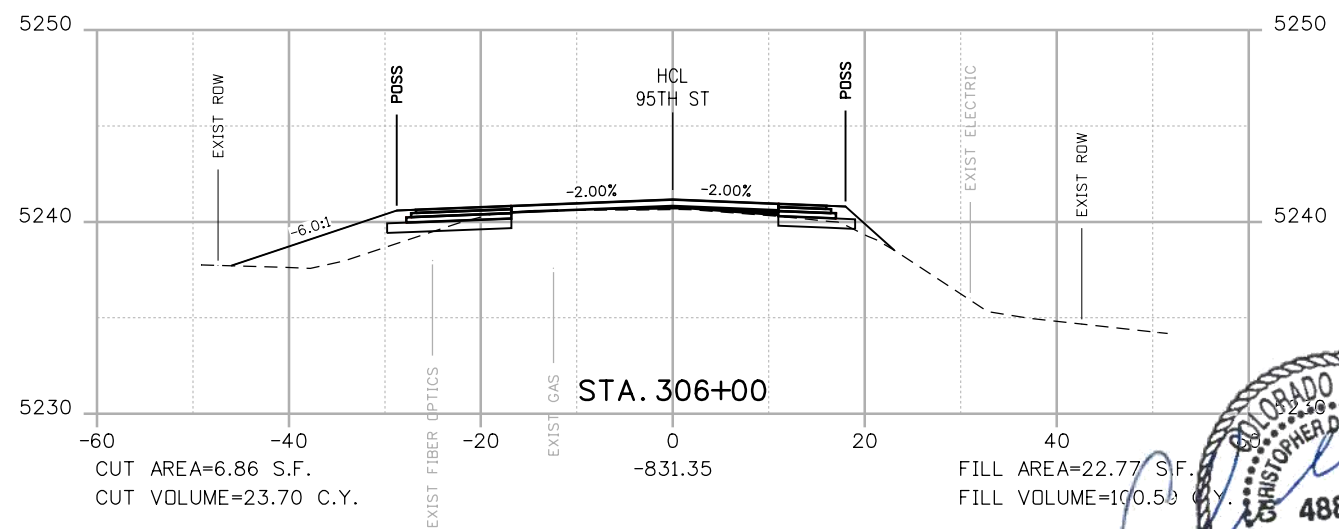
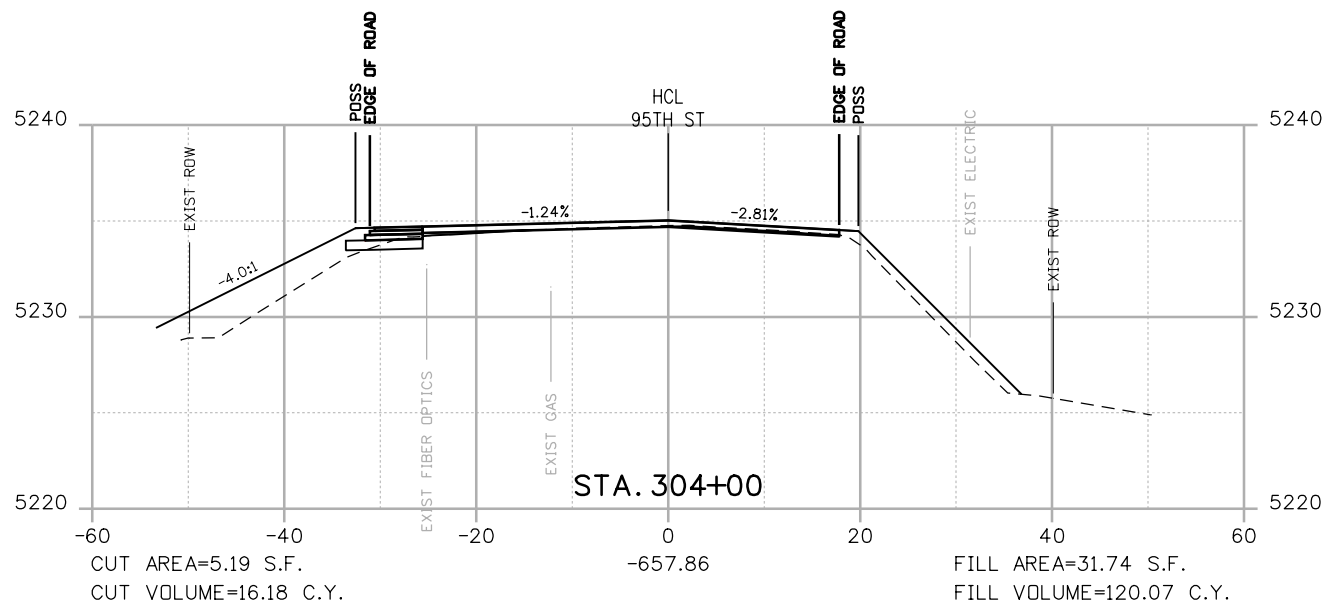
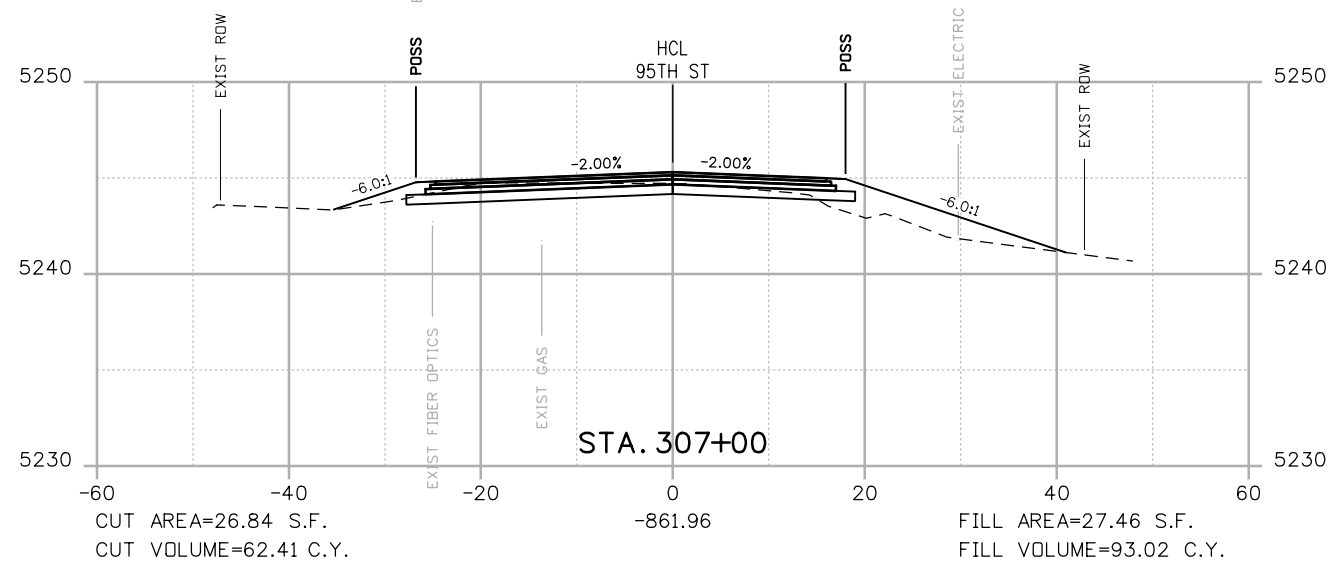
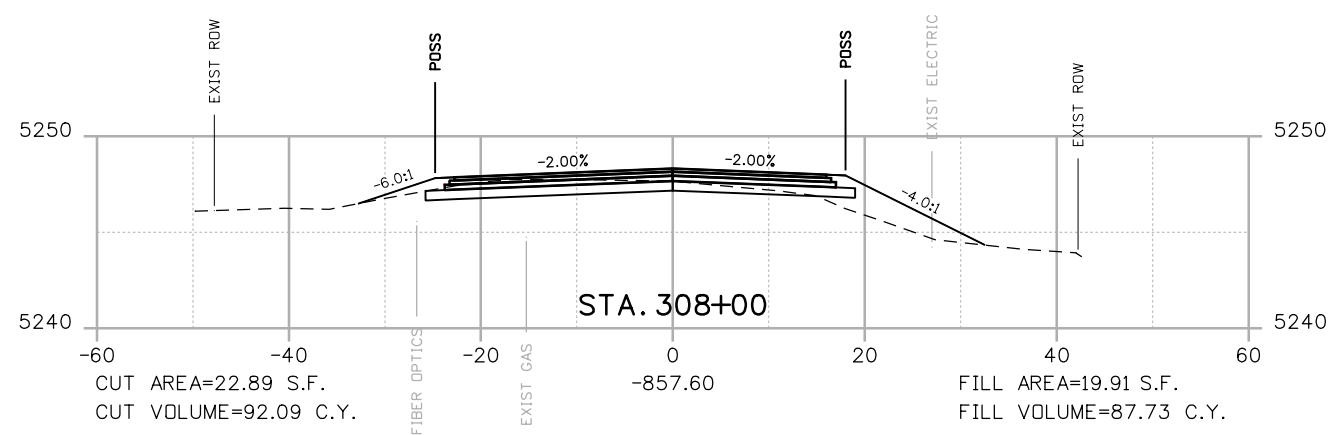
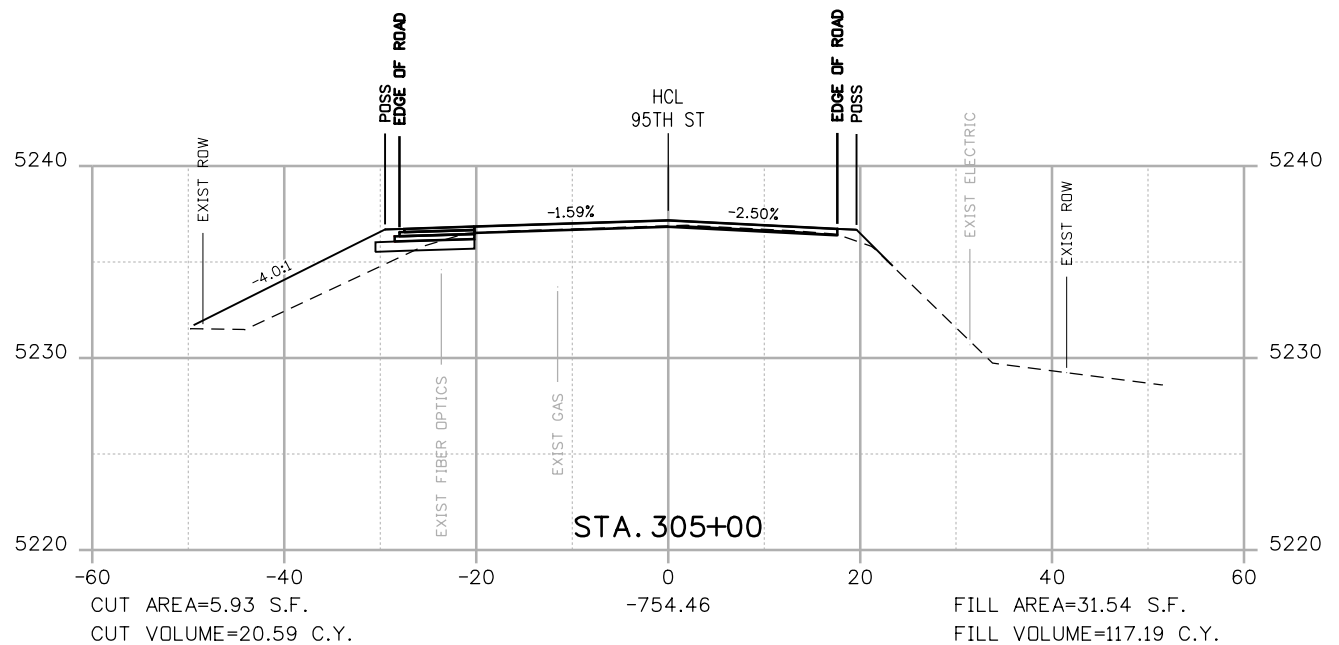


**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**
AECOM
 DESIGNED: JTS CAD: MPR CHECKED: CDL DATE: 02/14/2019

**95TH STREET
 CROSS SECTIONS**
 PROJECT NO: 74030 SHEET NO: X13



olison.lavery 2:02:13 PM pw:\617479-PWINT.aecomonline.local:AECOM_DSO1_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



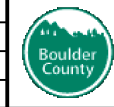
POSS
POINT OF SLOPE SELECTION
GROUND SURVEY
GROUND LIDAR
PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
CENTER OF COLORADO**
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

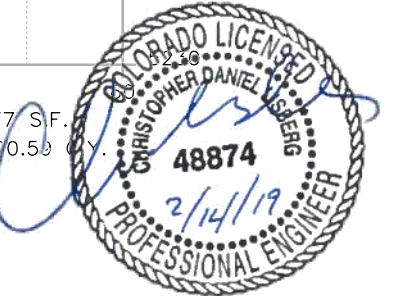
NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**

AECOM

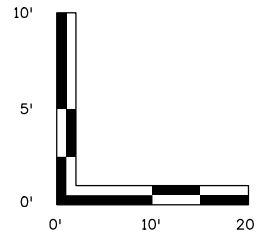
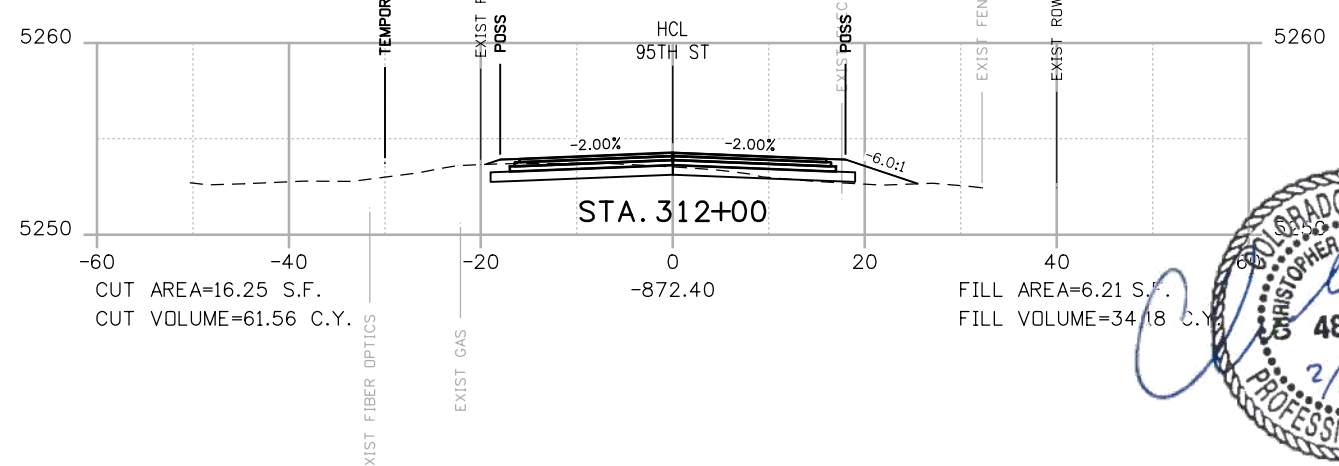
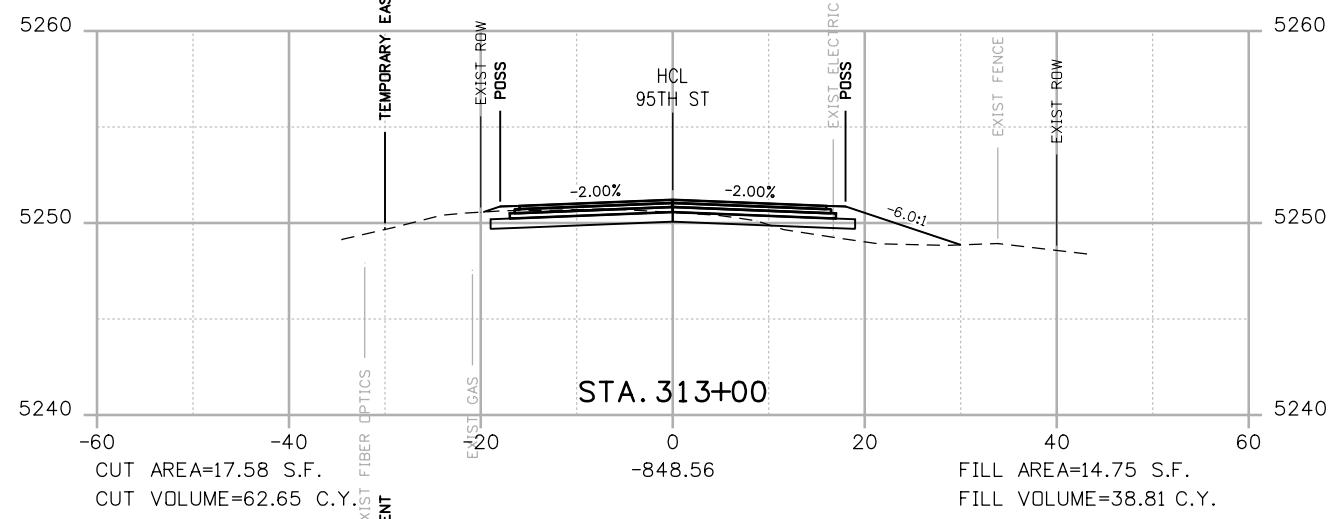
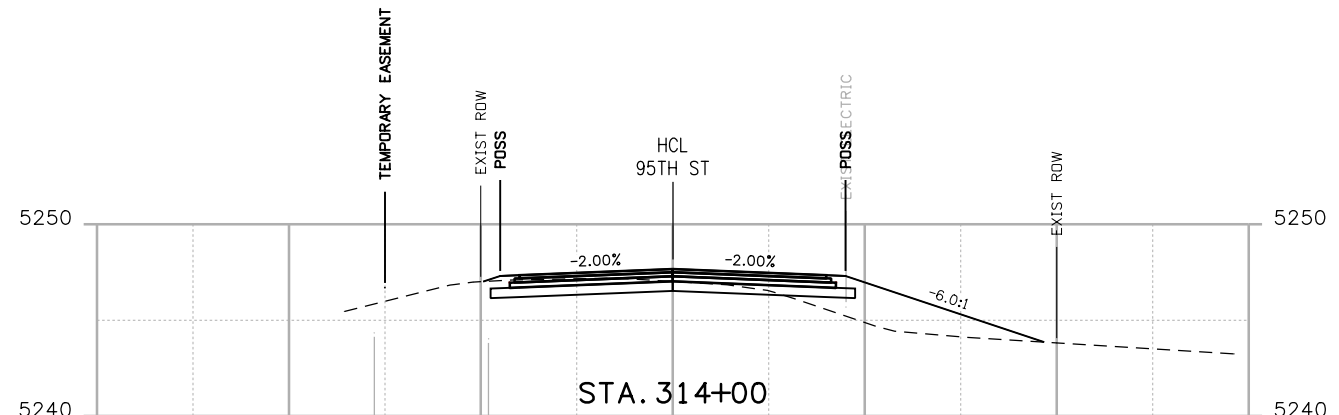
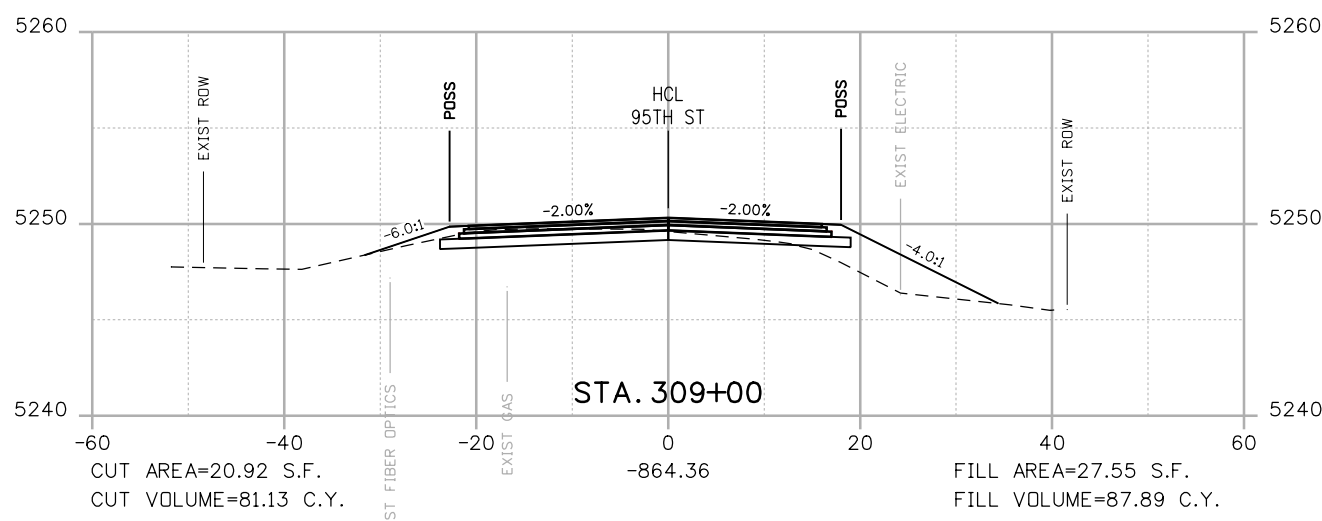
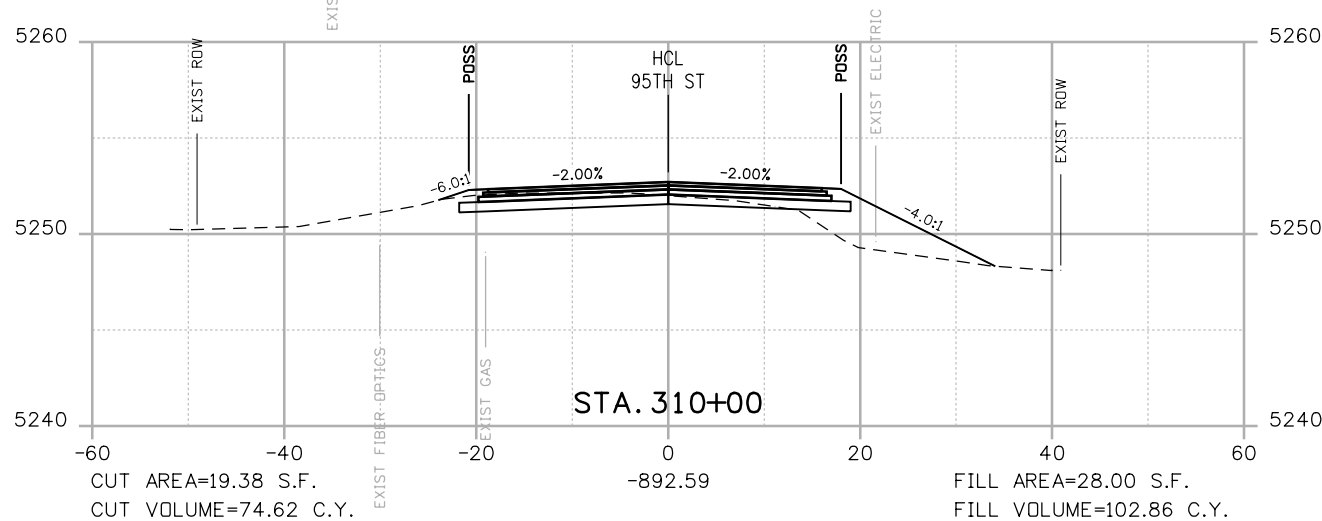
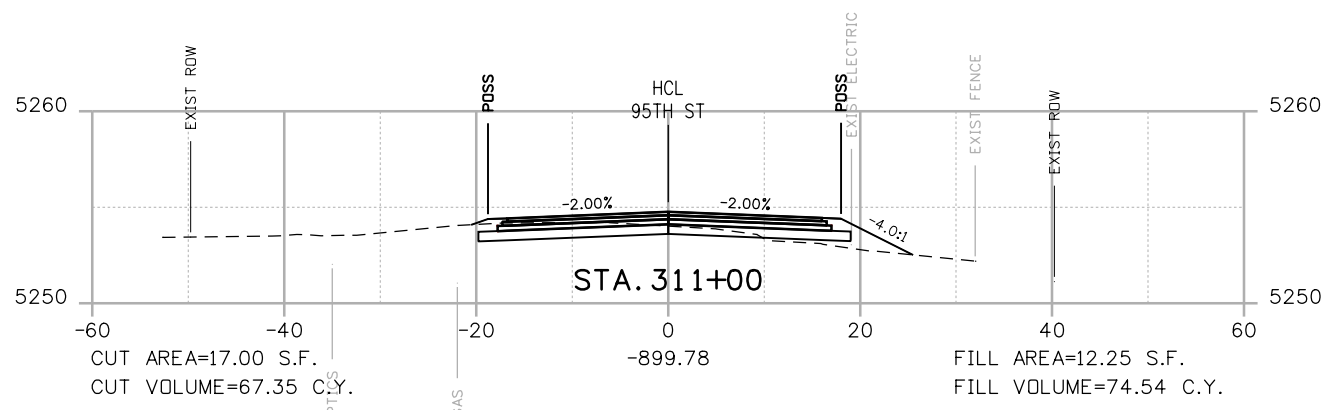
DESIGNED: JTS
CAD: MPR
CHECKED: CDL
DATE: 02/14/2019



**95TH STREET
CROSS SECTIONS**

PROJECT NO: 74030
SHEET NO: X14

alison.lavery 2:02:20 PM p:\617479-PWINT.aecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



POSS
 POINT OF SLOPE SELECTION
 GROUND SURVEY
 GROUND LIDAR
 PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
 CENTER OF COLORADO**
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**

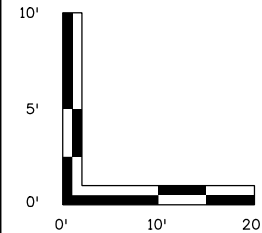
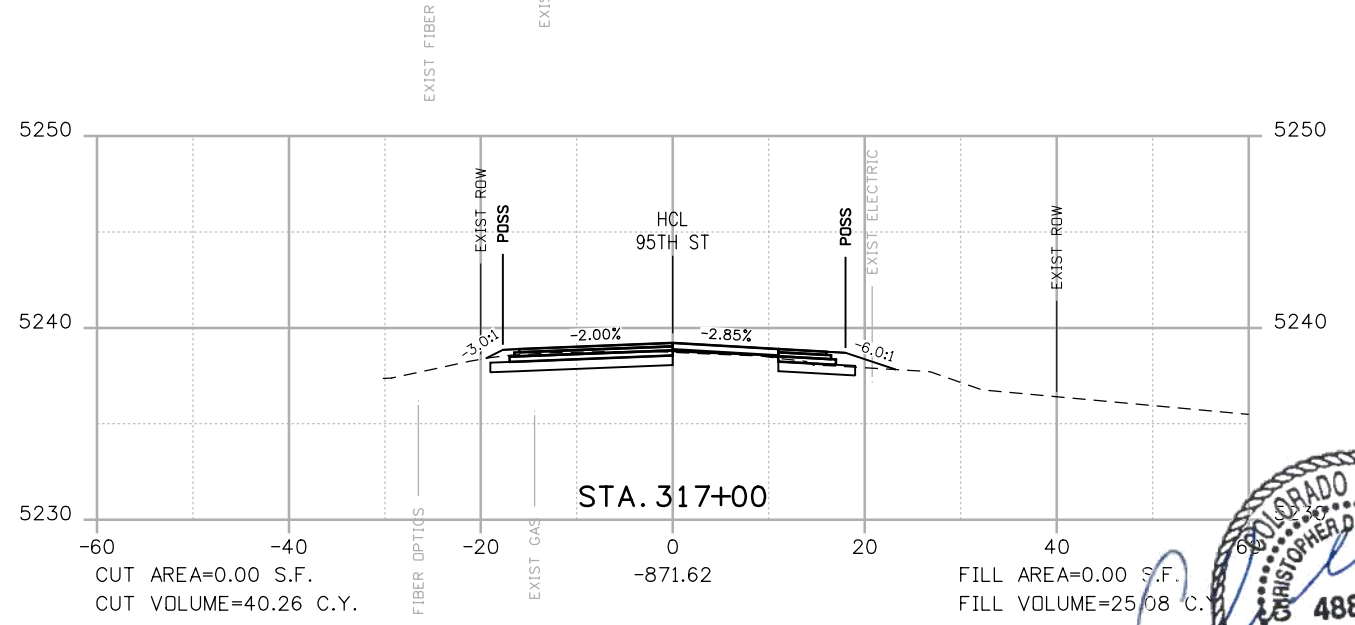
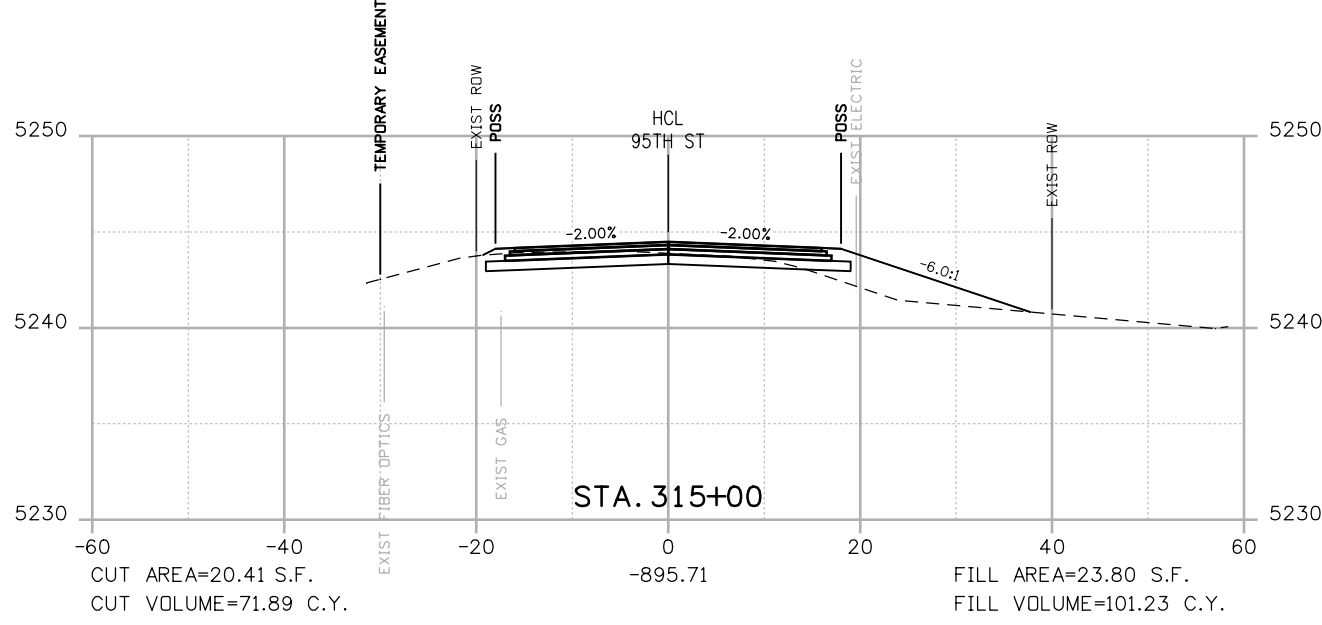
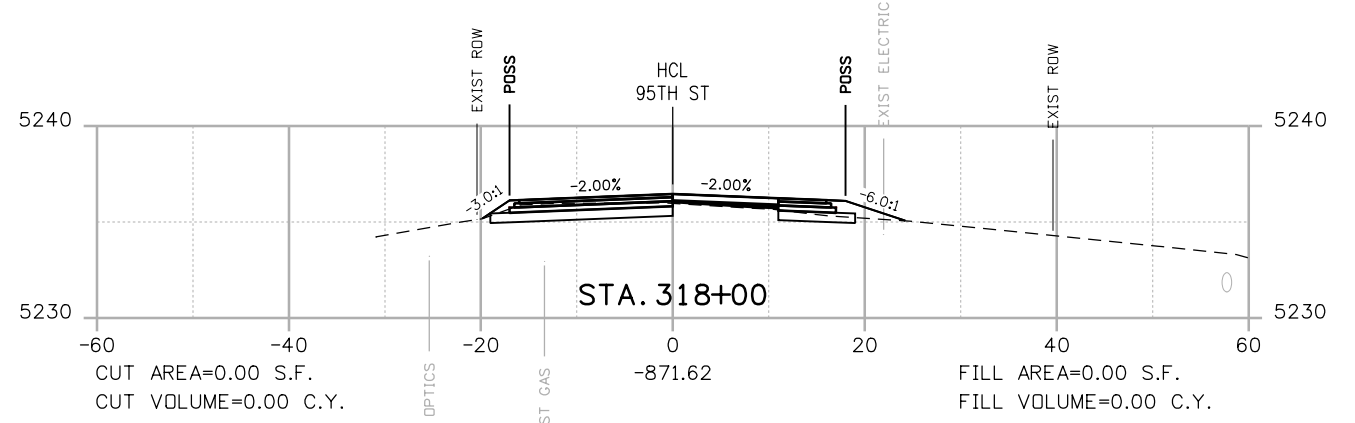
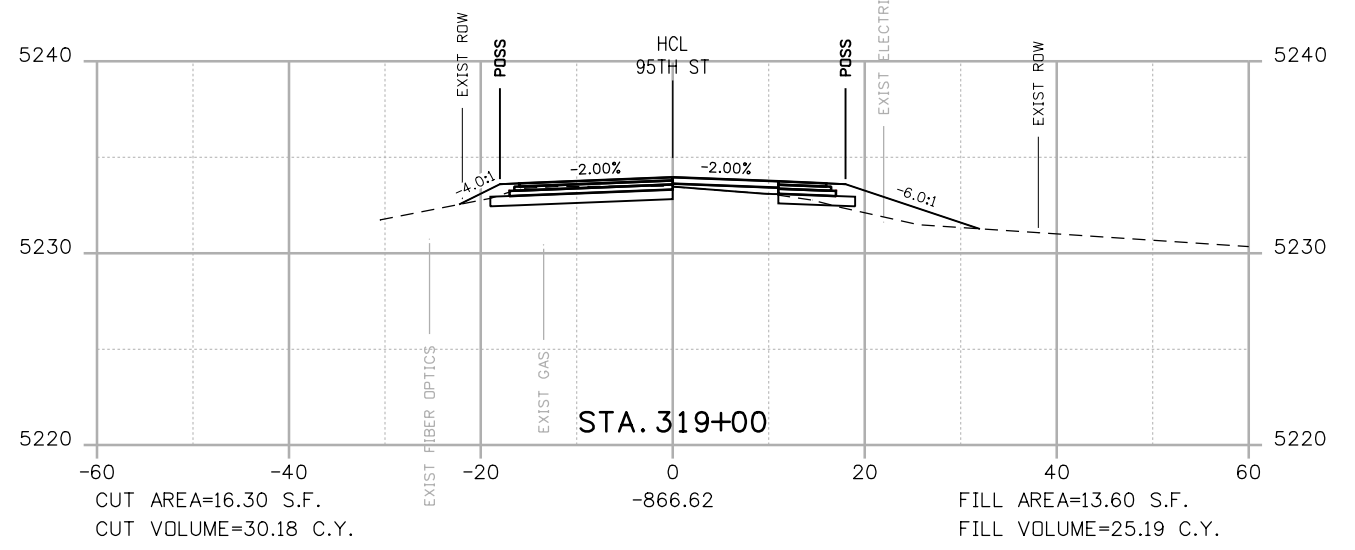
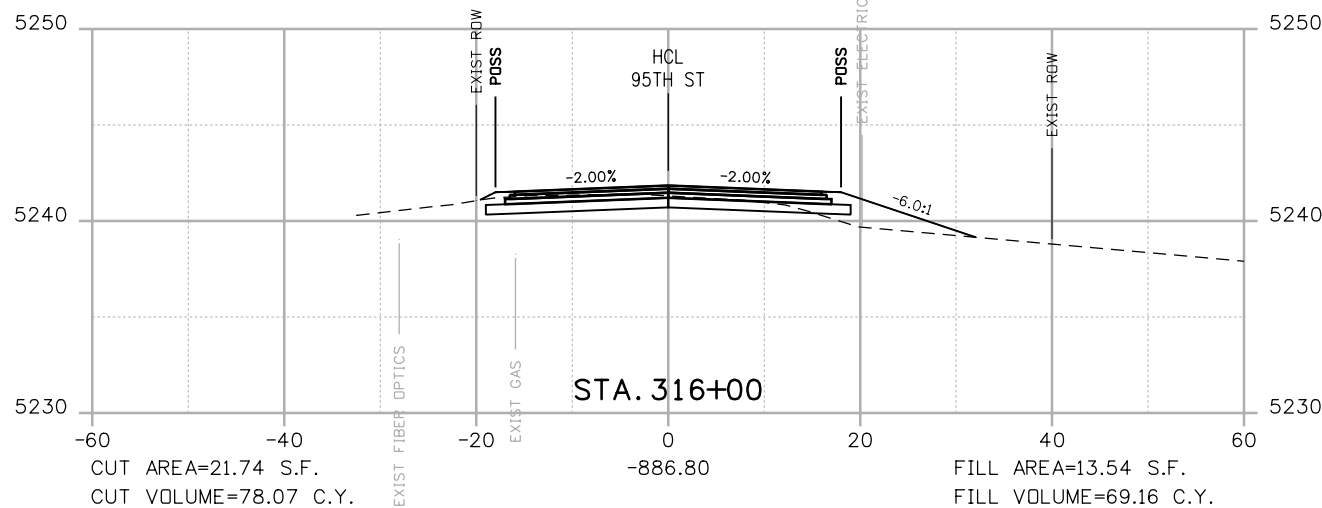


DESIGNED: JTS	CAD: MPR	CHECKED: CDL	DATE: 02/14/2019
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**95TH STREET
 CROSS SECTIONS**
 PROJECT NO: 74030 SHEET NO: X15

alison.lavery 2:02:27 PM p:\617479-PWINT.aecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



POSS
 --- POINT OF SLOPE SELECTION
 --- GROUND SURVEY
 --- GROUND LIDAR
 --- PROPOSED GRADE

RFC

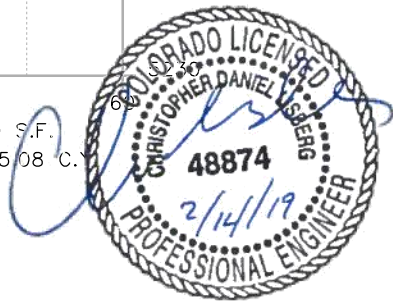


**CALL UTILITY NOTIFICATION
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 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

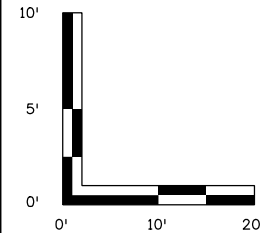
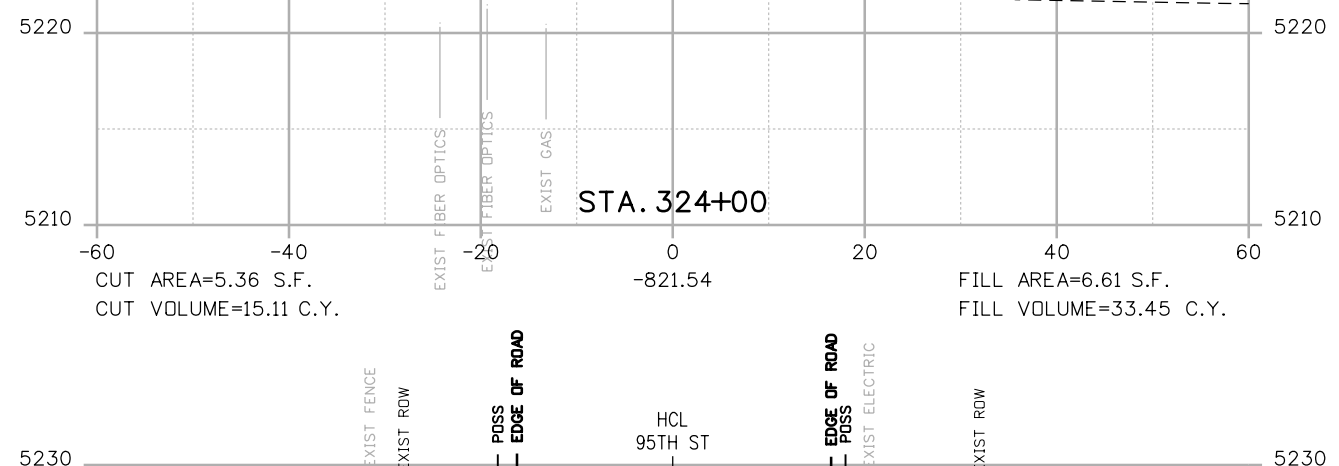
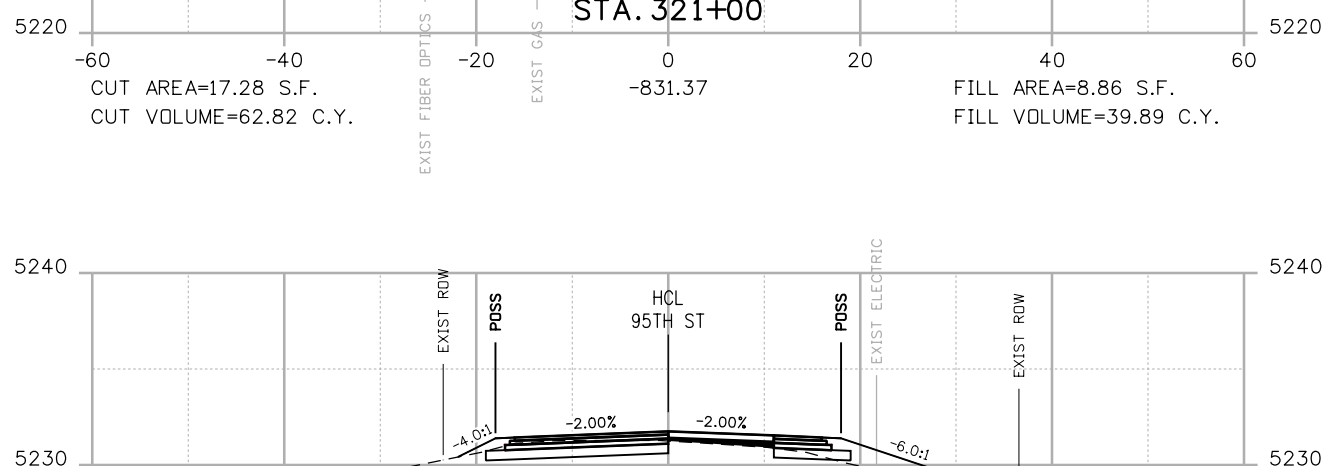
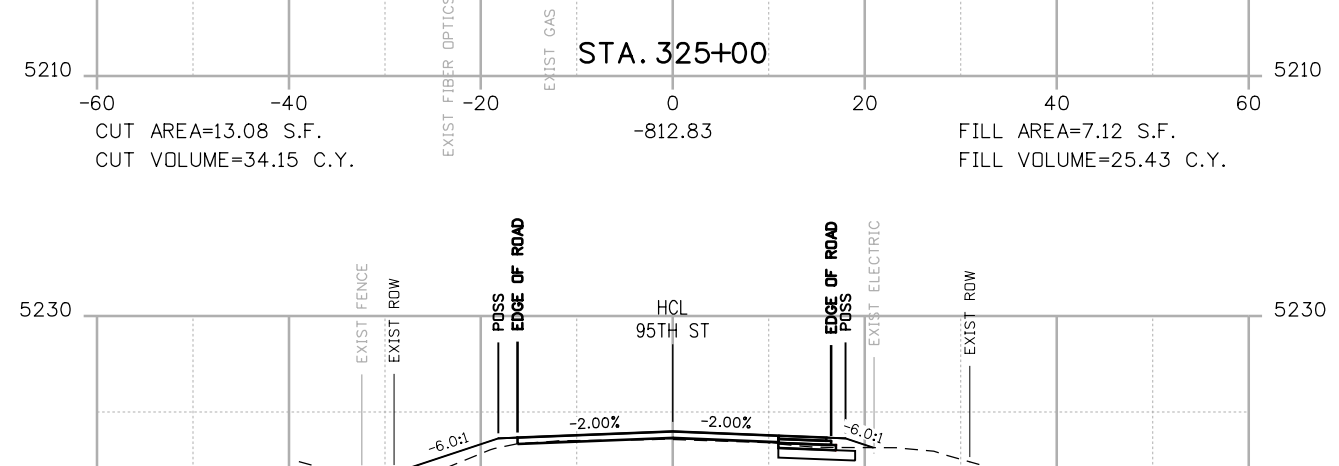
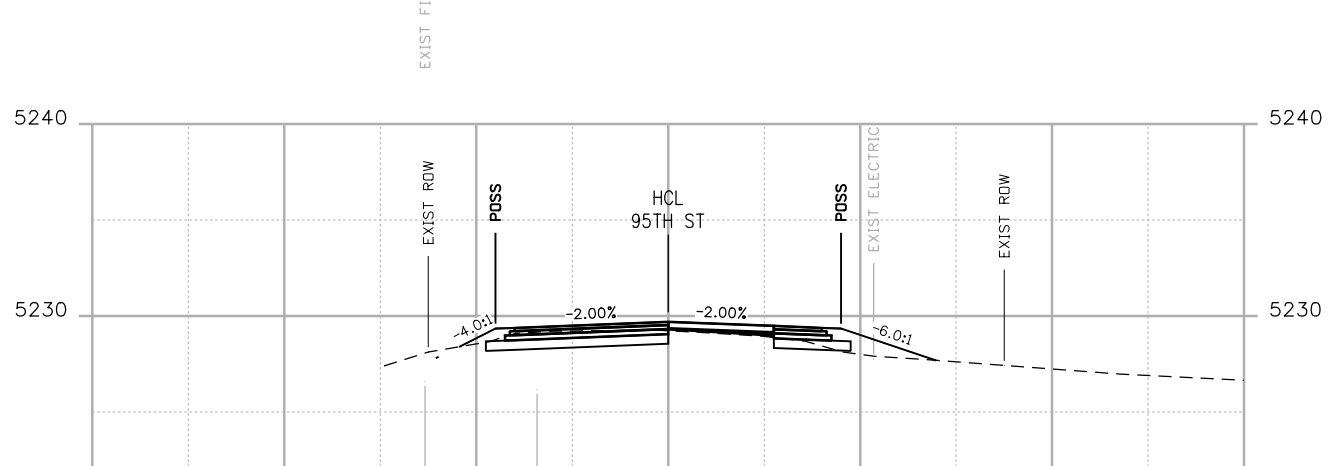
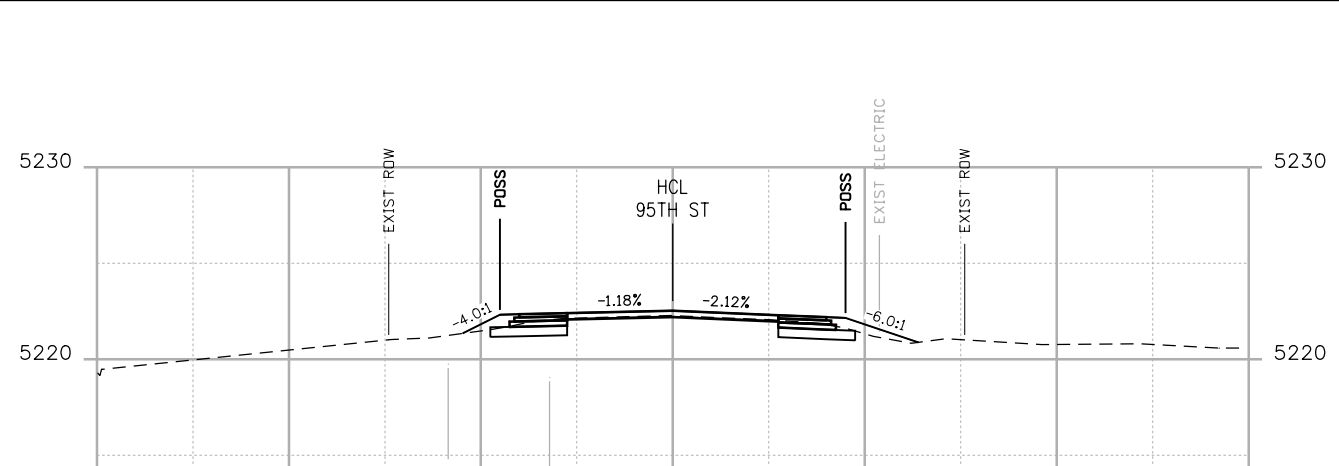
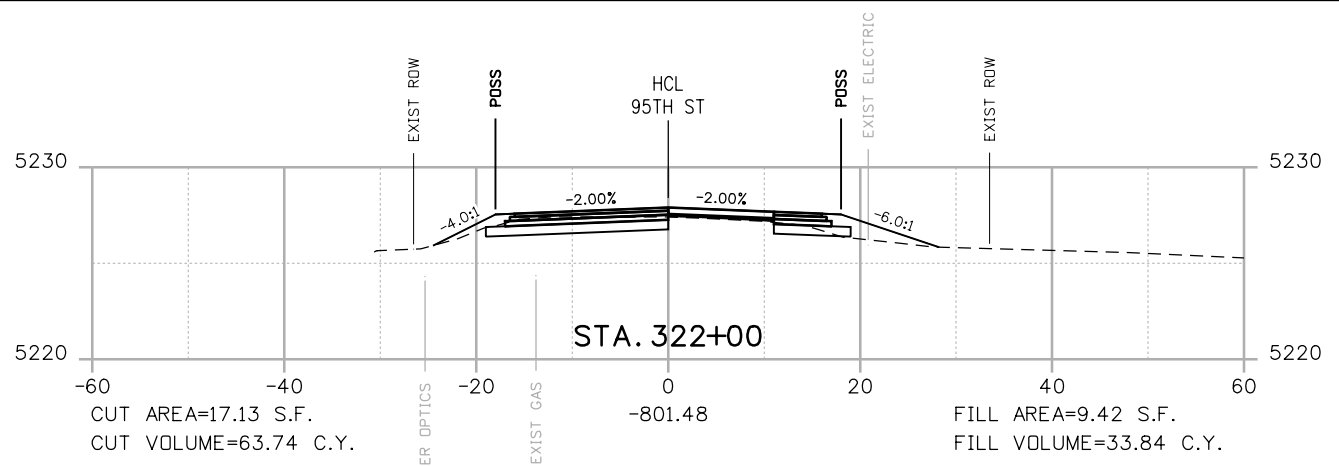


**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**
AECOM
 DESIGNED: JTS
 CAD: MPR
 CHECKED: CDL
 DATE: 02/14/2019



**95TH STREET
 CROSS SECTIONS**
 PROJECT NO: 74030
 SHEET NO: X16

alison.lavery 2:02:35 PM p:\617479-PWINT.aecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



POSS

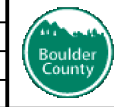
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 GROUND SURVEY
 GROUND LIDAR
 PROPOSED GRADE

RFC



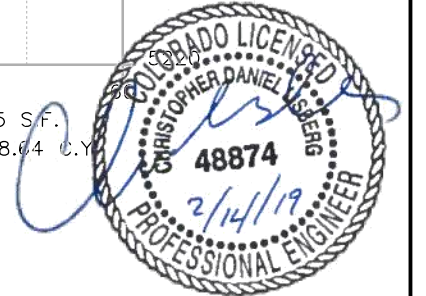
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 CENTER OF COLORADO**
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

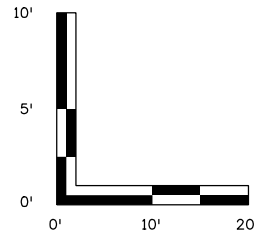
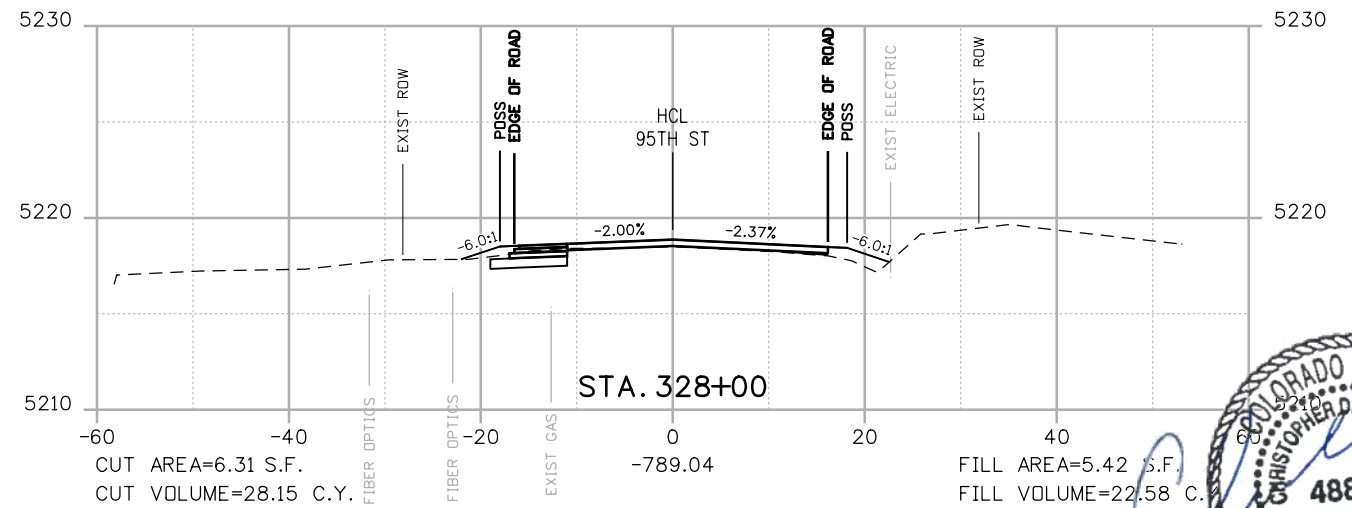
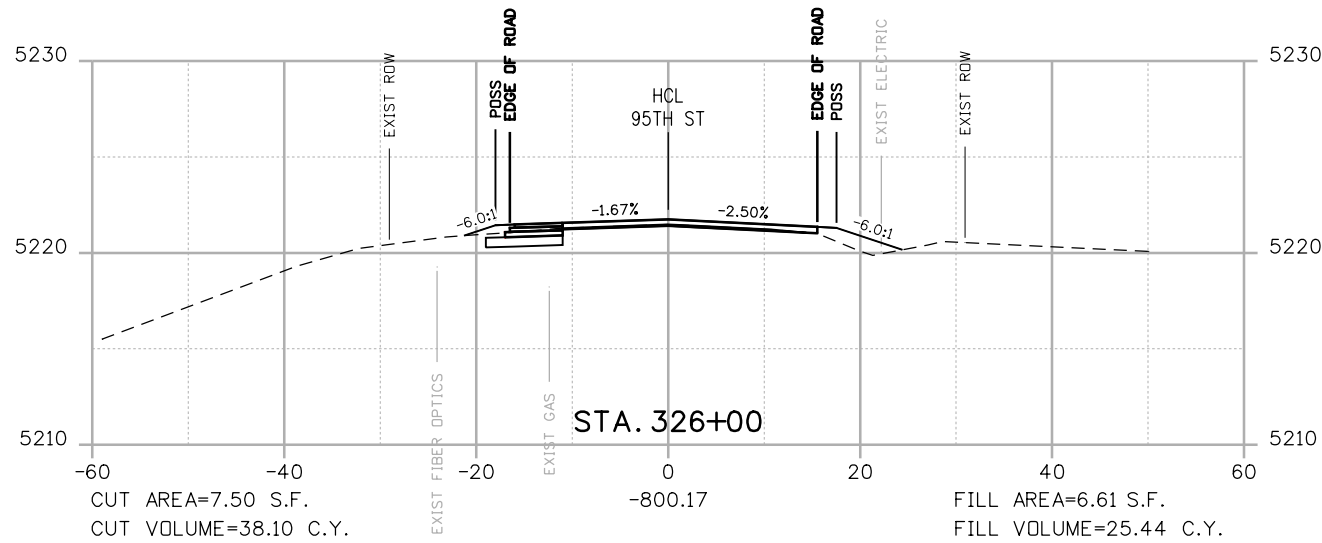
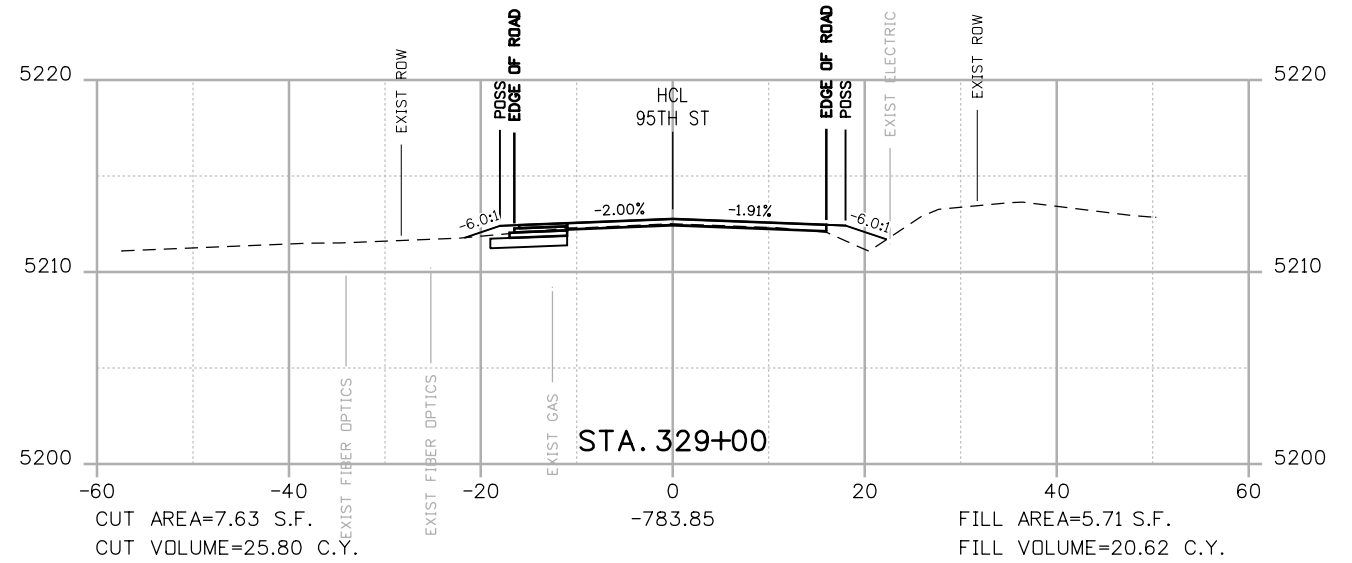
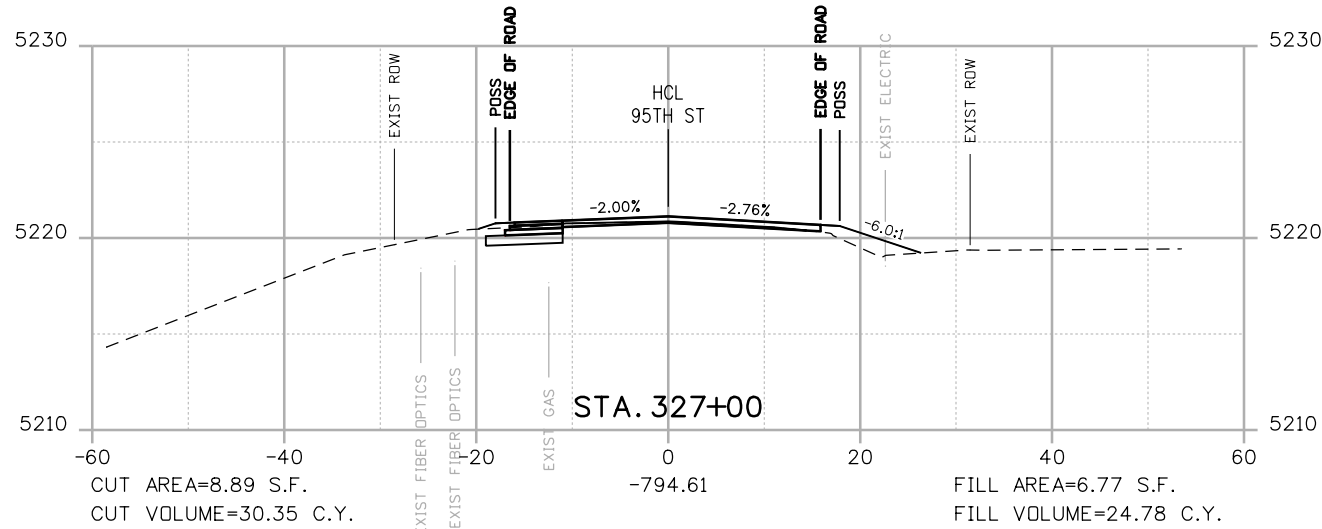


**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**
AECOM
 DESIGNED: JTS
 CAD: MPR
 CHECKED: CDL
 DATE: 02/14/2019

**95TH STREET
 CROSS SECTIONS**
 PROJECT NO: 74030
 SHEET NO: X17



alison.lavery 2:02:42 PM p:\617479-PWINT.aecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



POSS

 POINT OF SLOPE SELECTION
 GROUND SURVEY
 GROUND LIDAR
 PROPOSED GRADE

RFC



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 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**



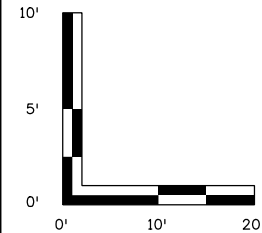
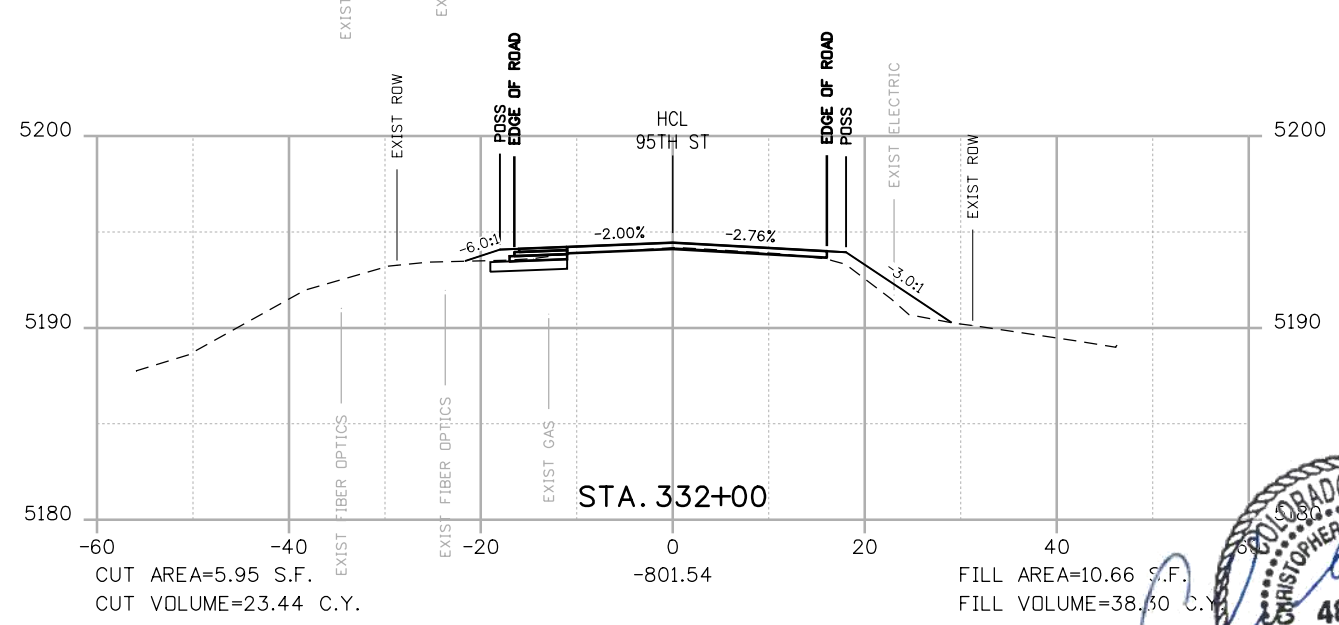
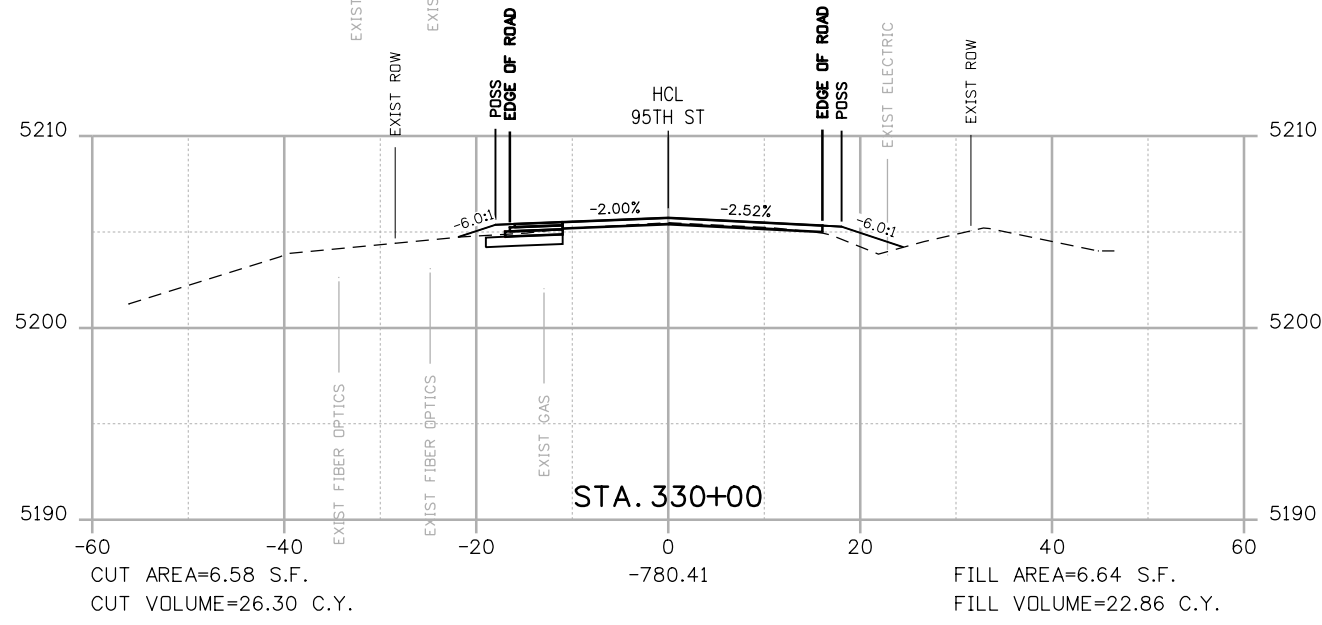
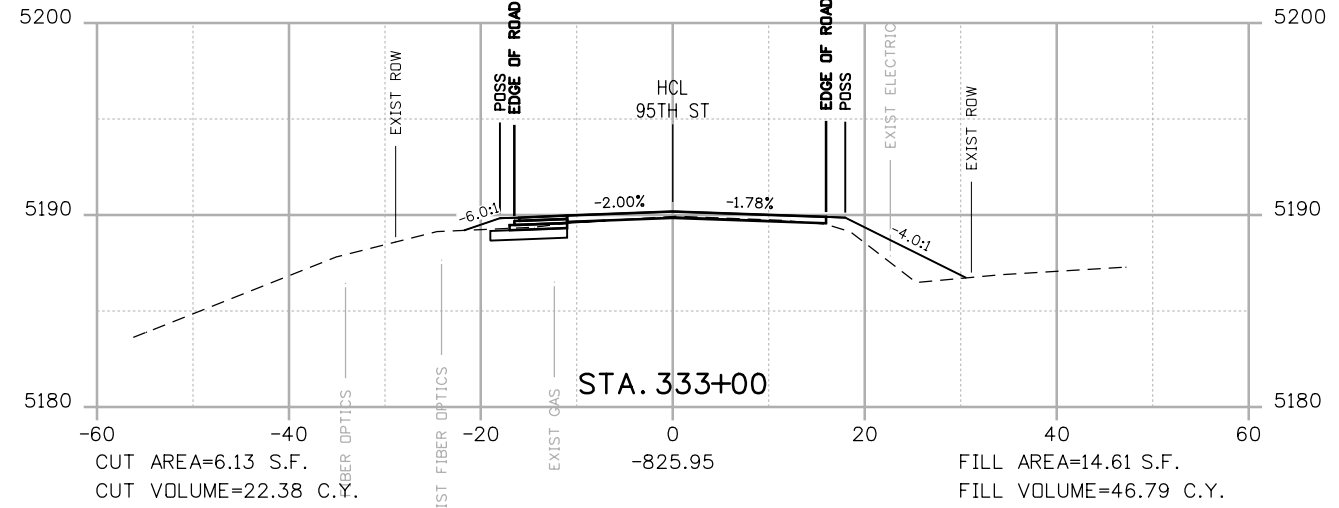
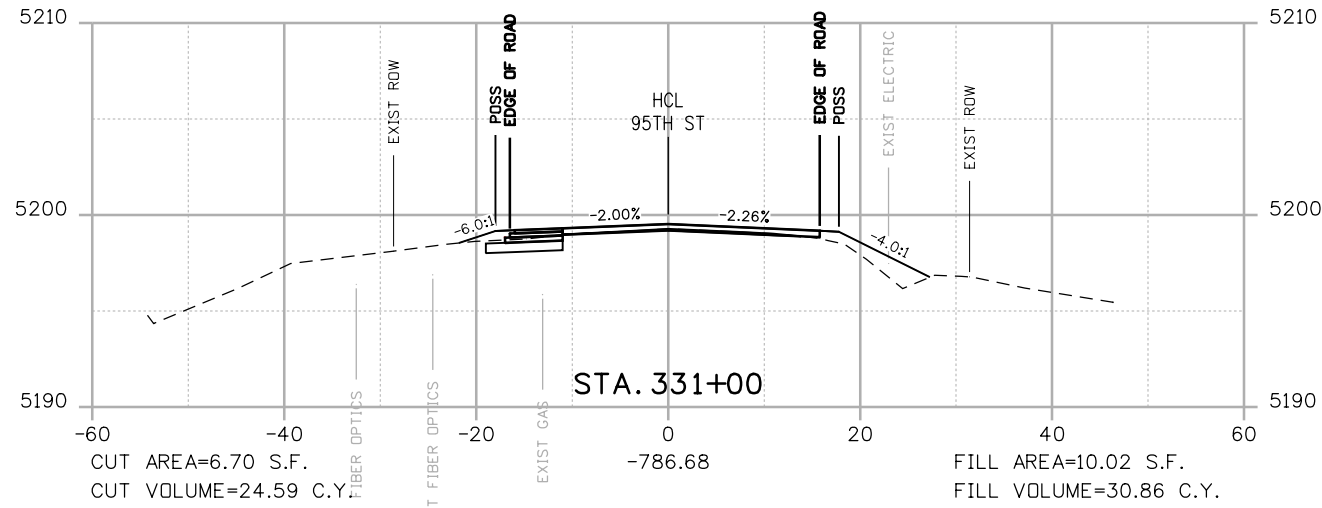
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 CAD: MPR
 CHECKED: CDL
 DATE: 02/14/2019

PROJECT NO: 74030 SHEET NO: X18



**95TH STREET
 CROSS SECTIONS**

olison.lavery 2:02:49 PM pw:\617479-PWINT.aecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



POSS
 --- POINT OF SLOPE SELECTION
 --- GROUND SURVEY
 --- GROUND LIDAR
 --- PROPOSED GRADE

RFC

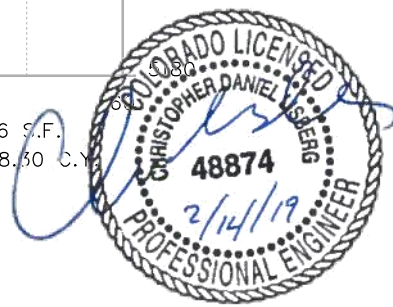


**CALL UTILITY NOTIFICATION
 CENTER OF COLORADO**
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 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

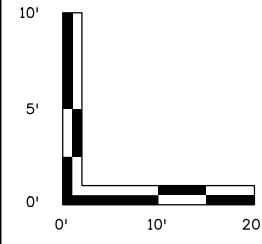
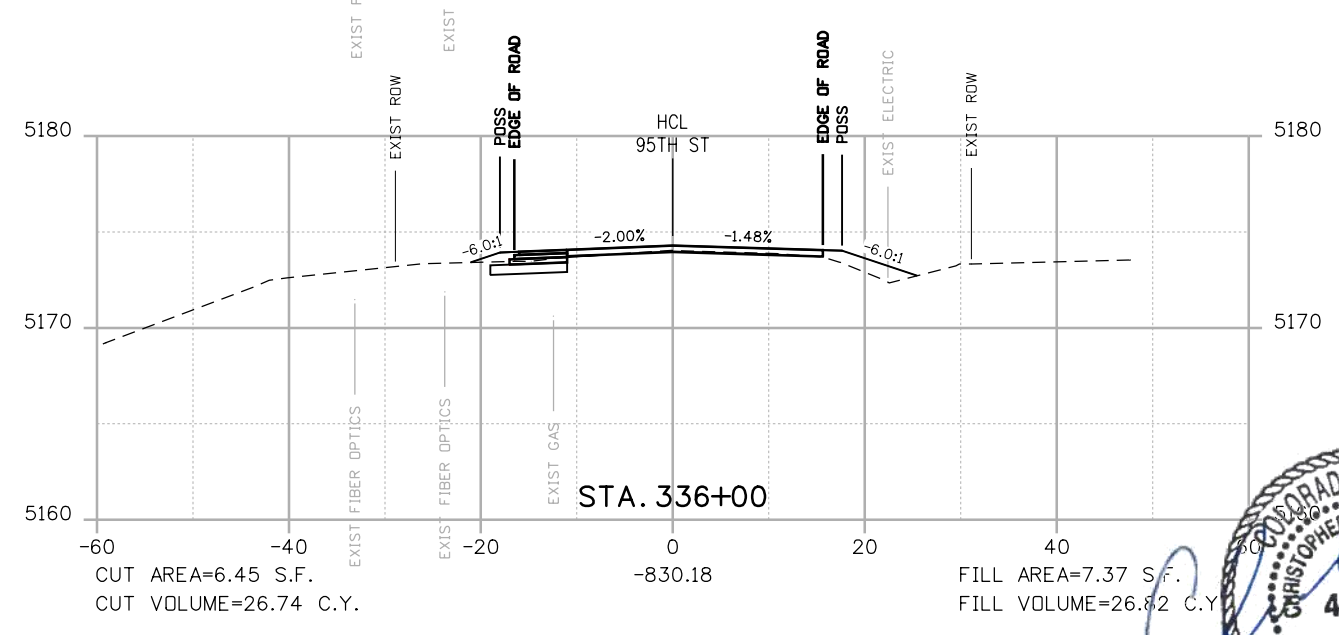
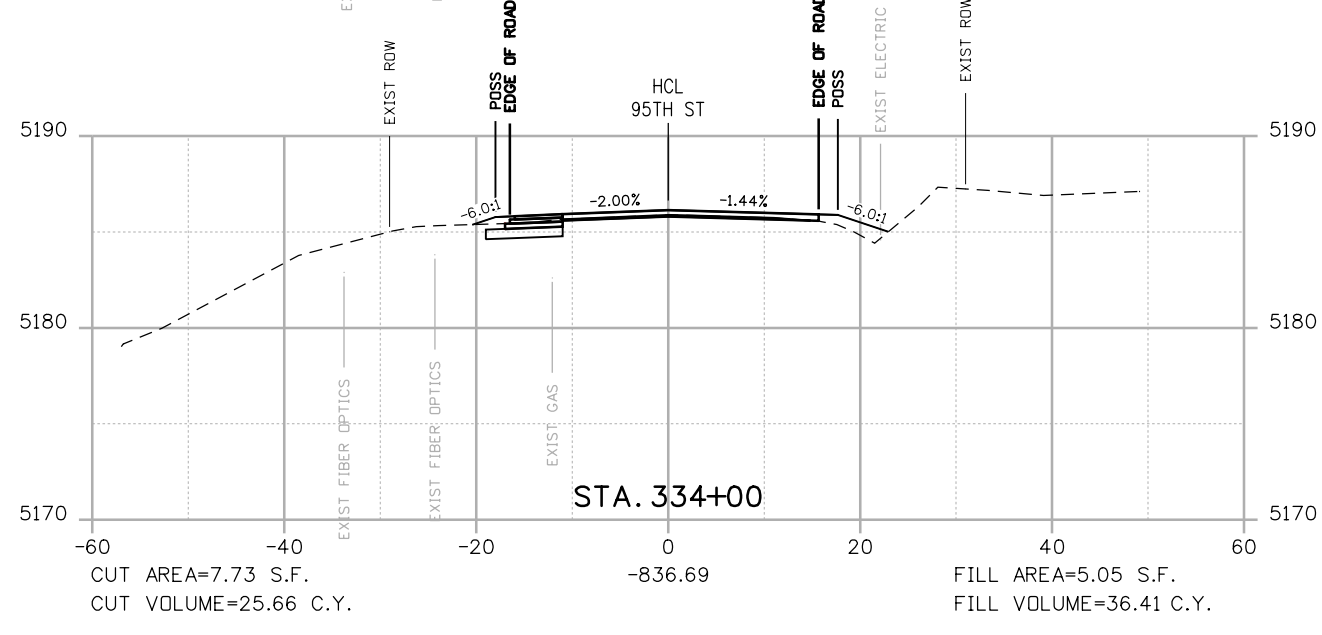
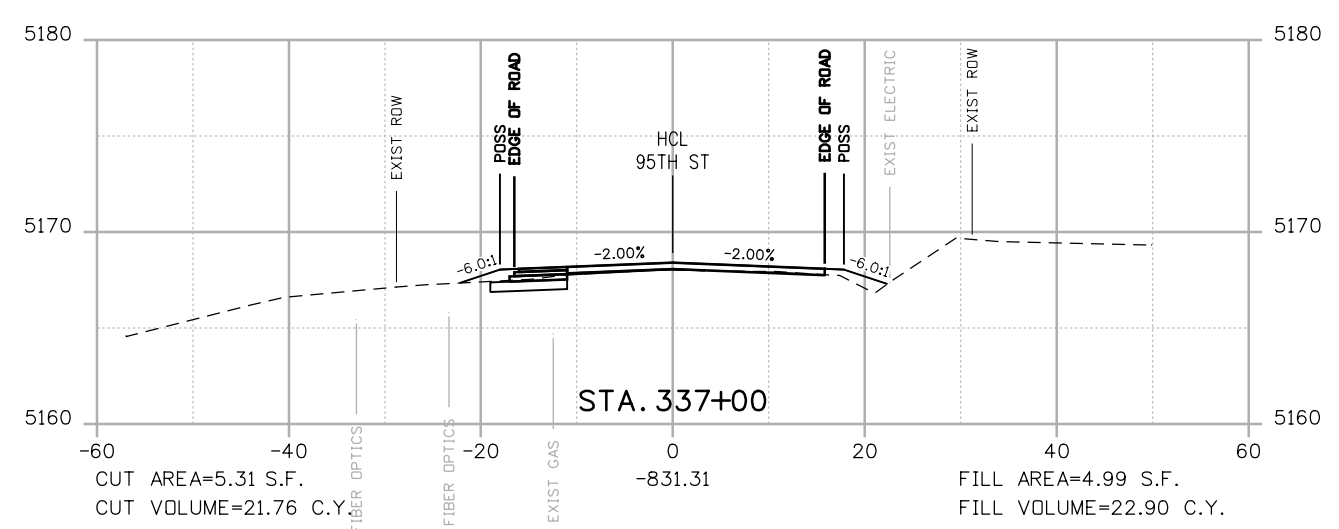
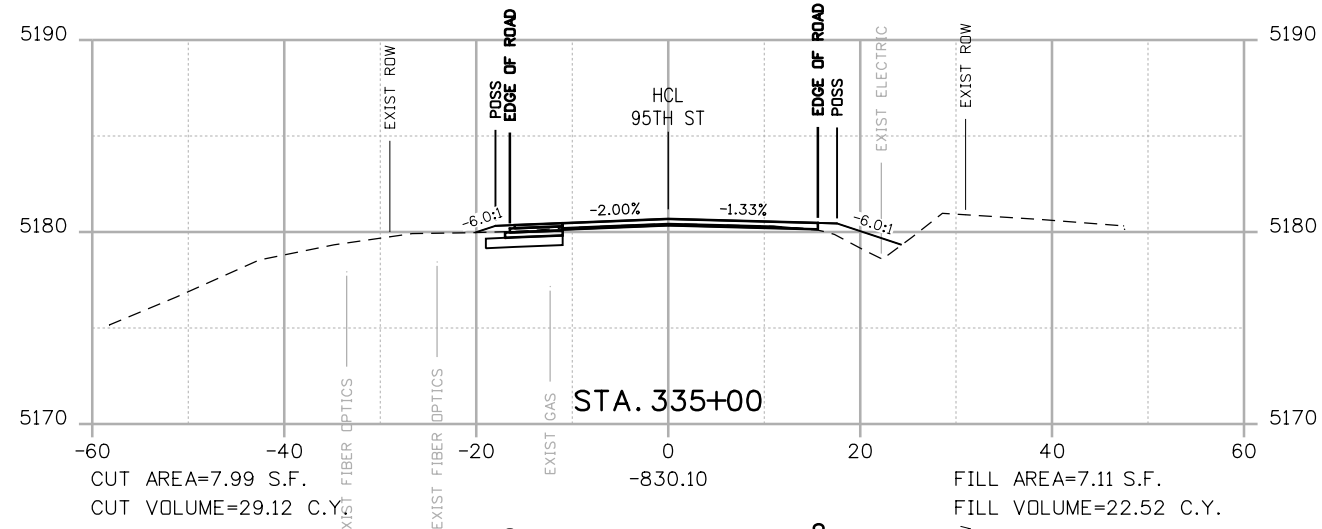


**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**
AECOM
 DESIGNED: JTS CAD: MPR CHECKED: CDL DATE: 02/14/2019

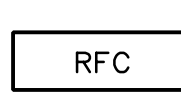


**95TH STREET
 CROSS SECTIONS**
 PROJECT NO: 74030 SHEET NO: X19

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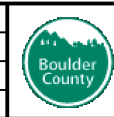


POSS
 --- POINT OF SLOPE SELECTION
 --- GROUND SURVEY
 --- GROUND LIDAR
 --- PROPOSED GRADE



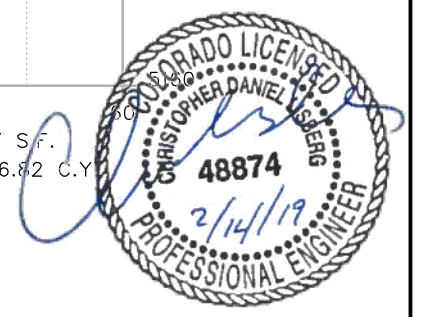
**CALL UTILITY NOTIFICATION
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 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

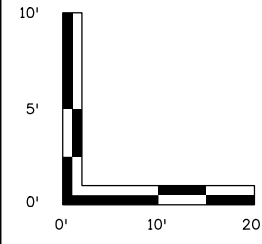
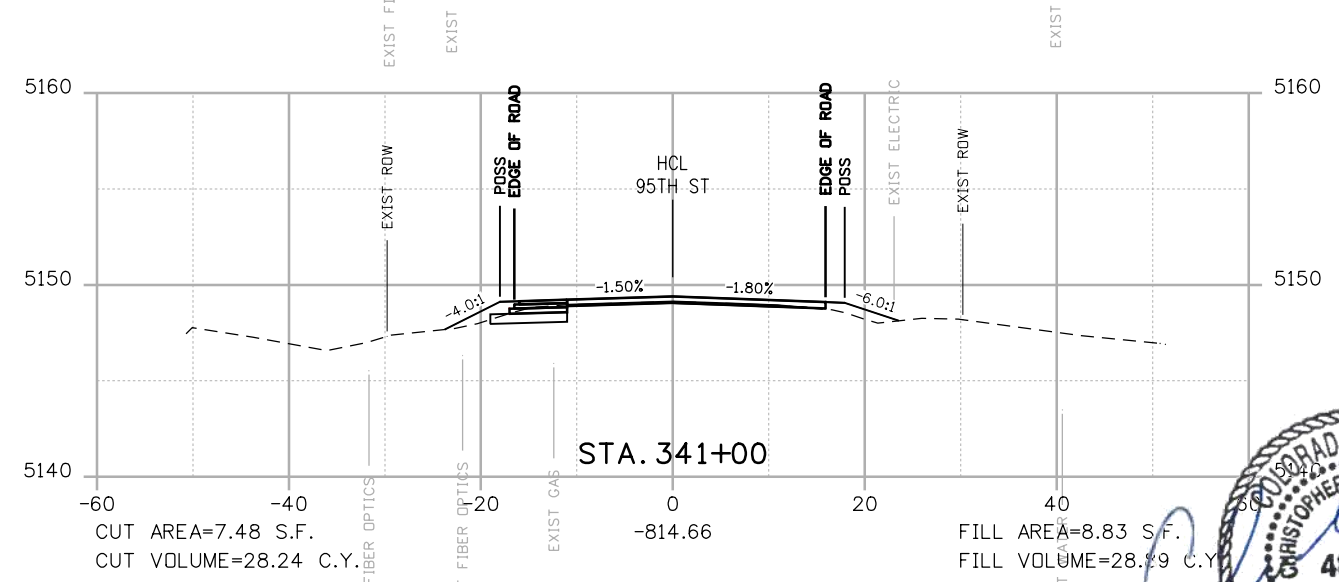
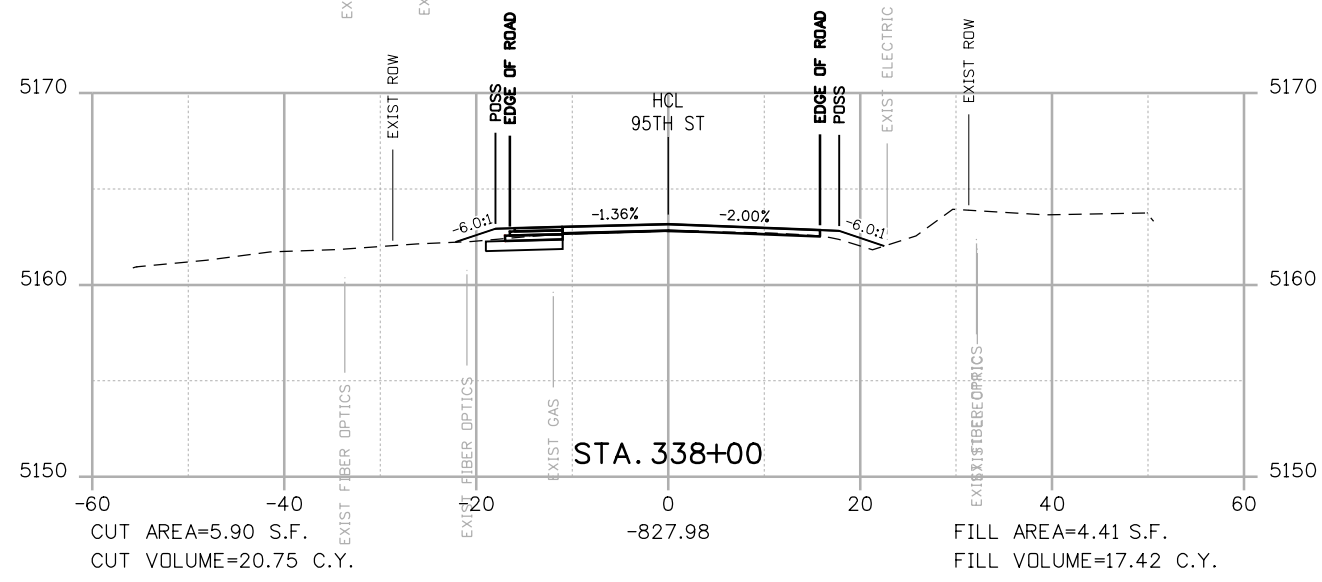
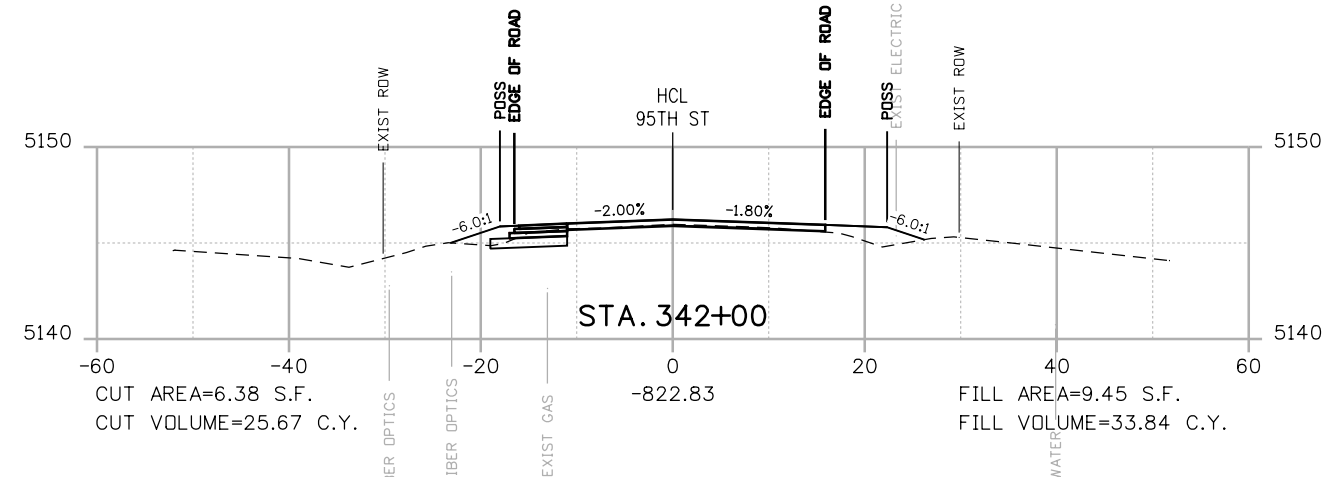
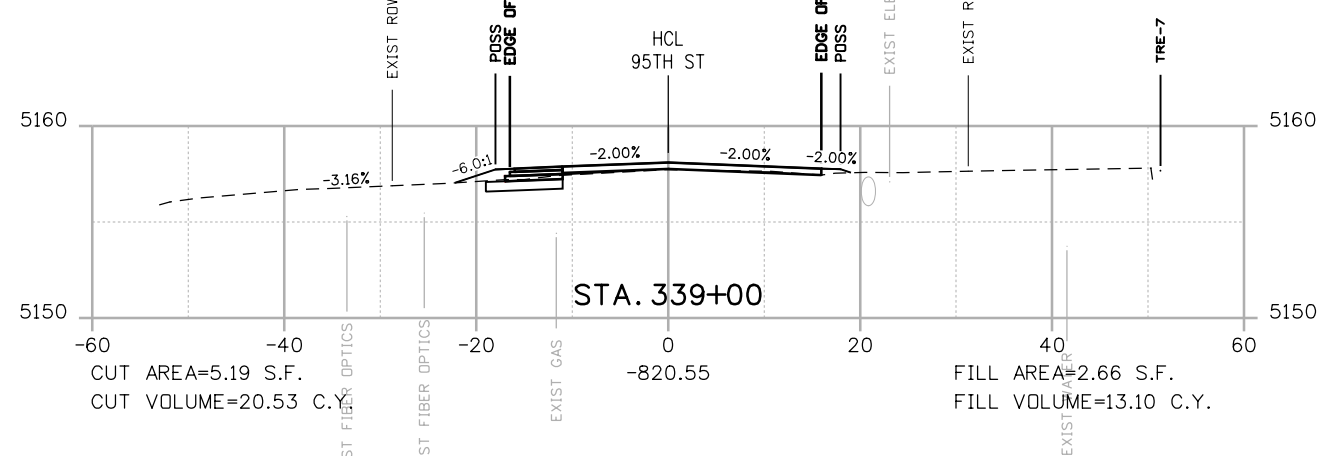
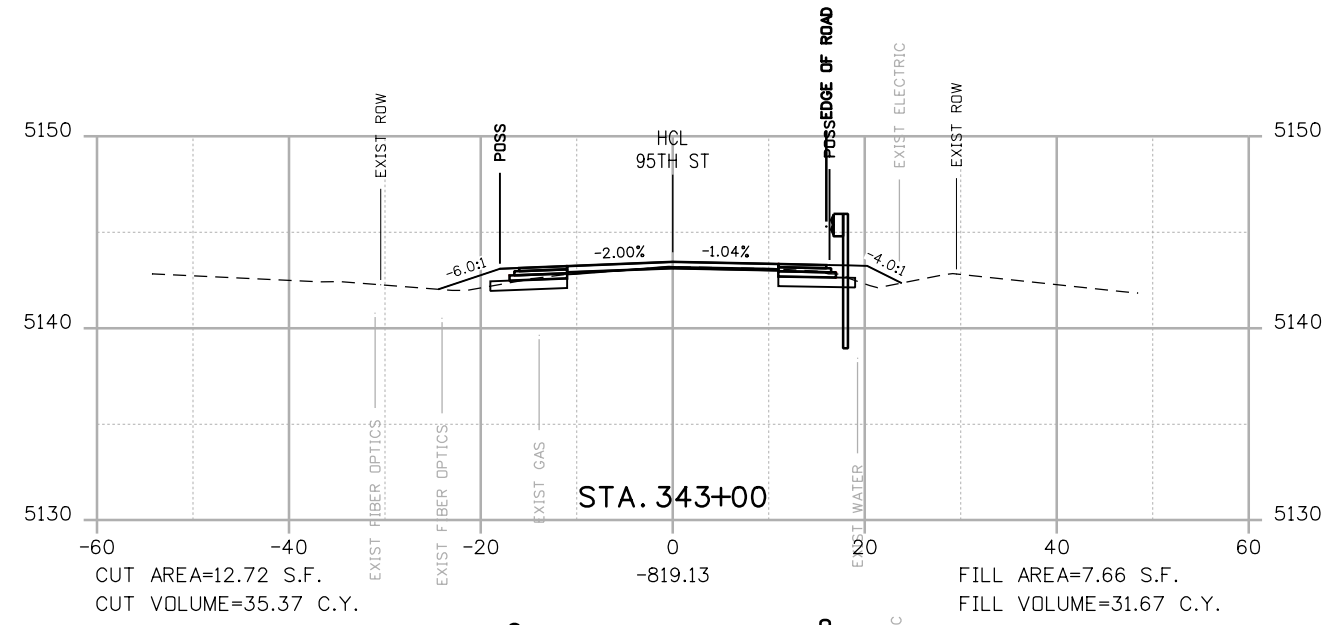
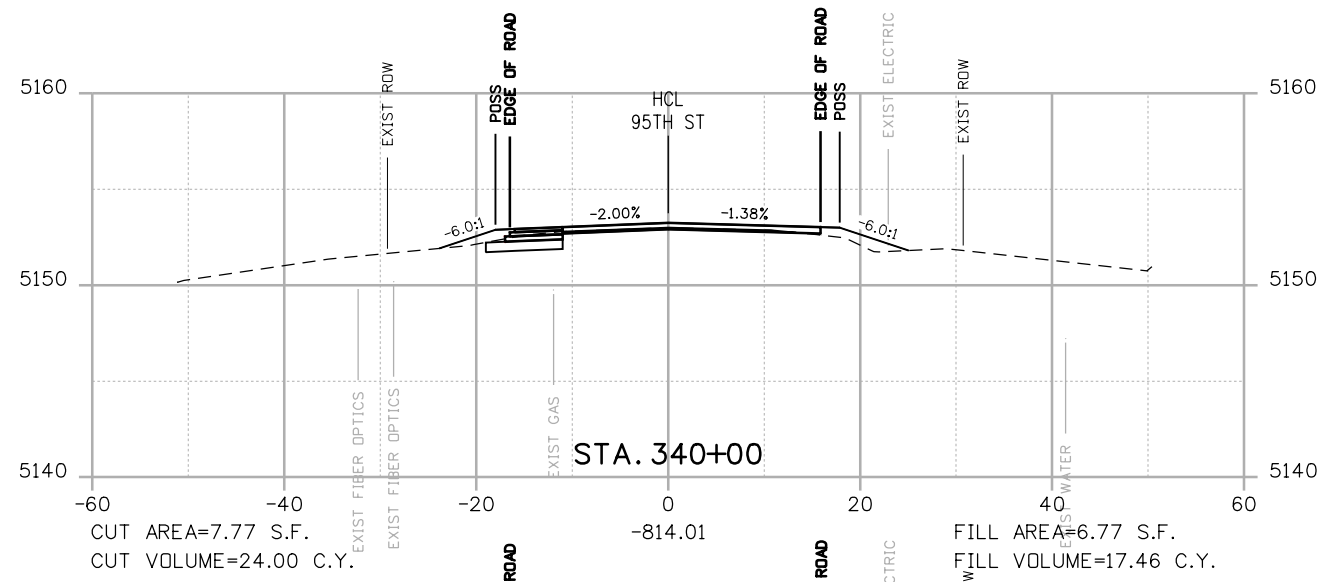


**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**
AECOM
 DESIGNED: JTS CAD: MPR CHECKED: CDL DATE: 02/14/2019

**95TH STREET
 CROSS SECTIONS**
 PROJECT NO: 74030 SHEET NO: X20



alison.lavery 2:03:03 PM pw:\617479-PWINT.aecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



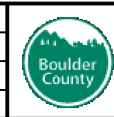
POSS
 --- POINT OF SLOPE SELECTION
 --- GROUND SURVEY
 --- GROUND LIDAR
 --- PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
 CENTER OF COLORADO**
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 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

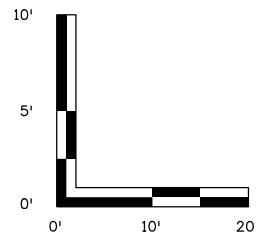
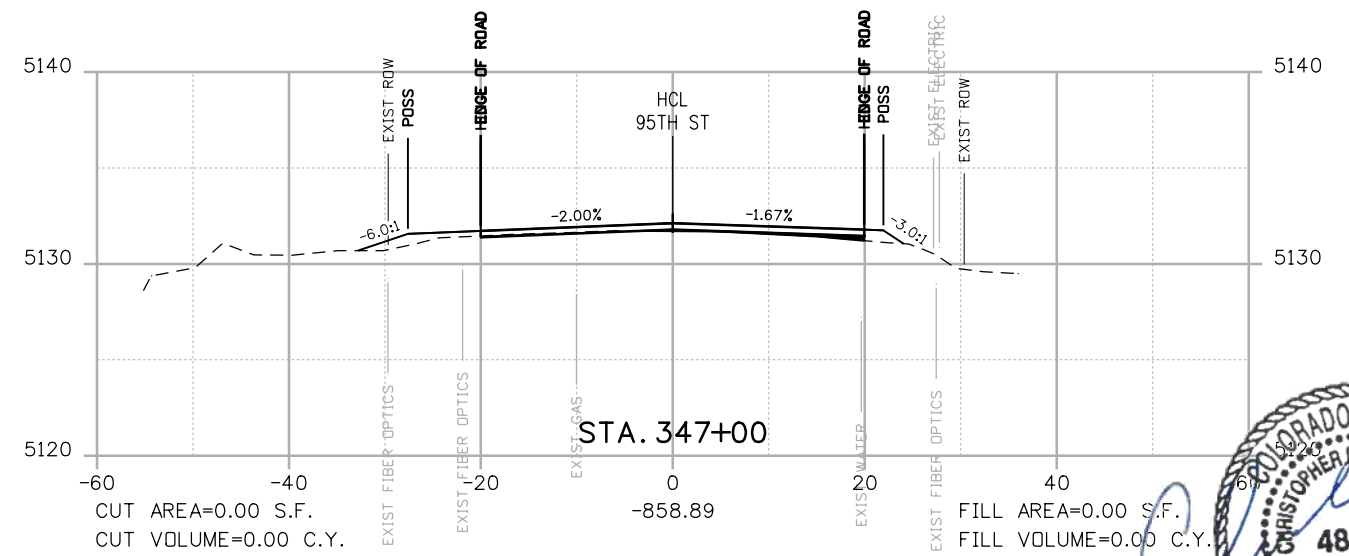
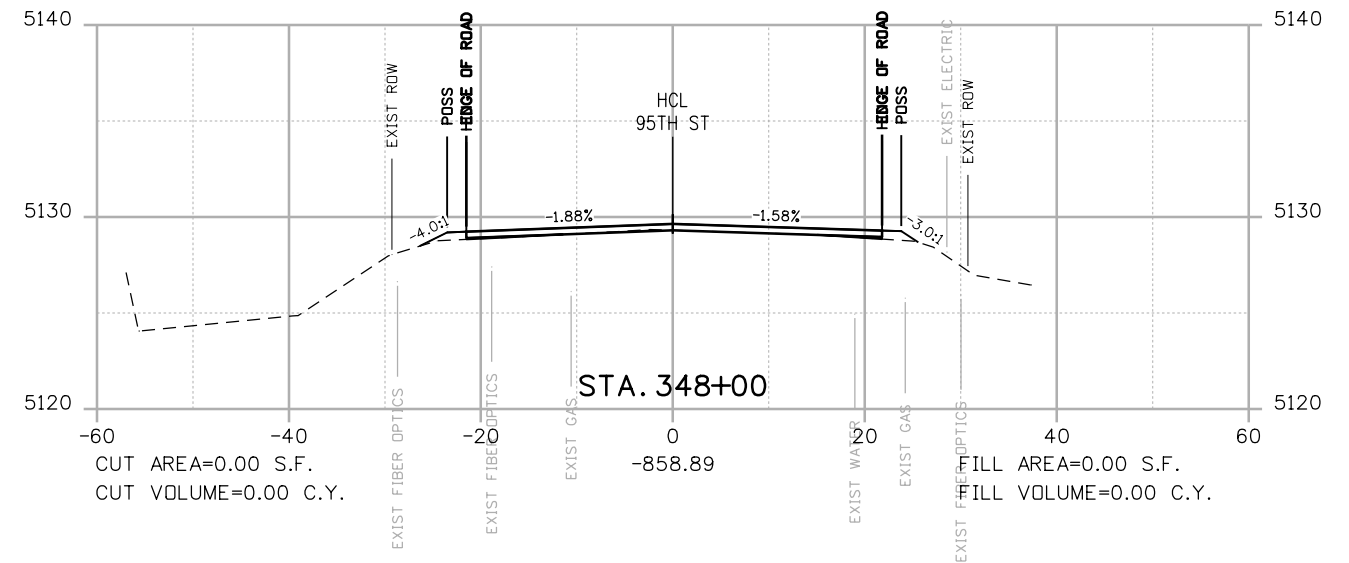
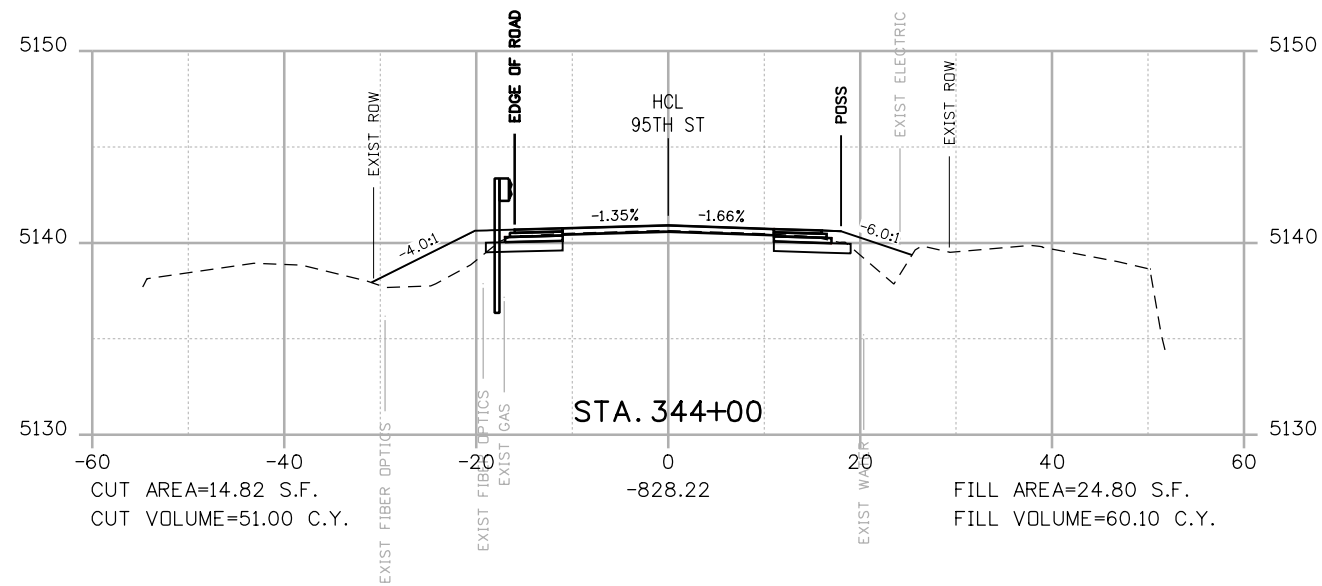
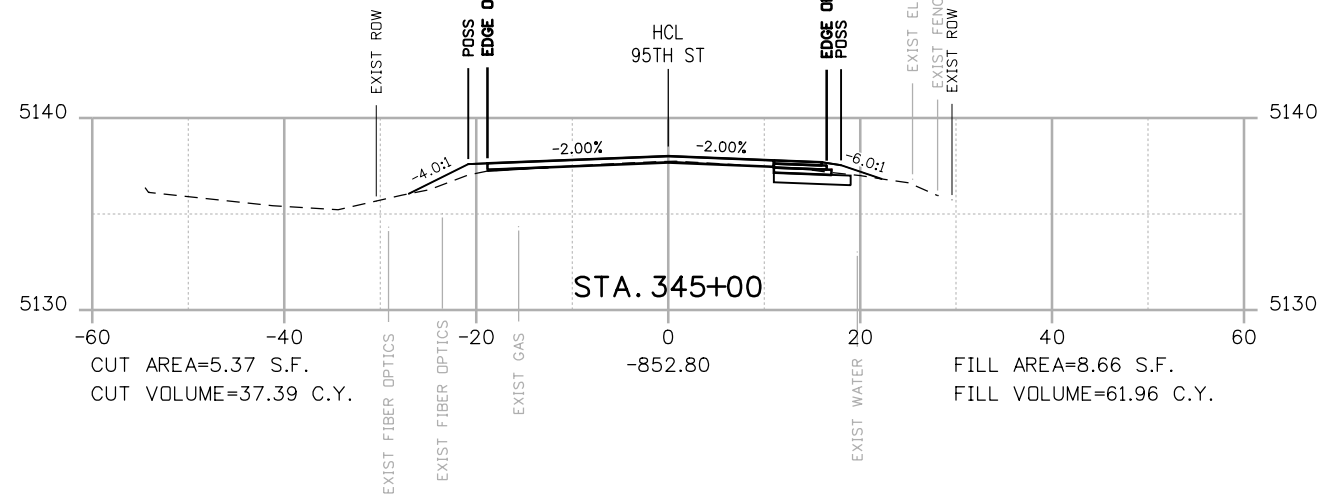
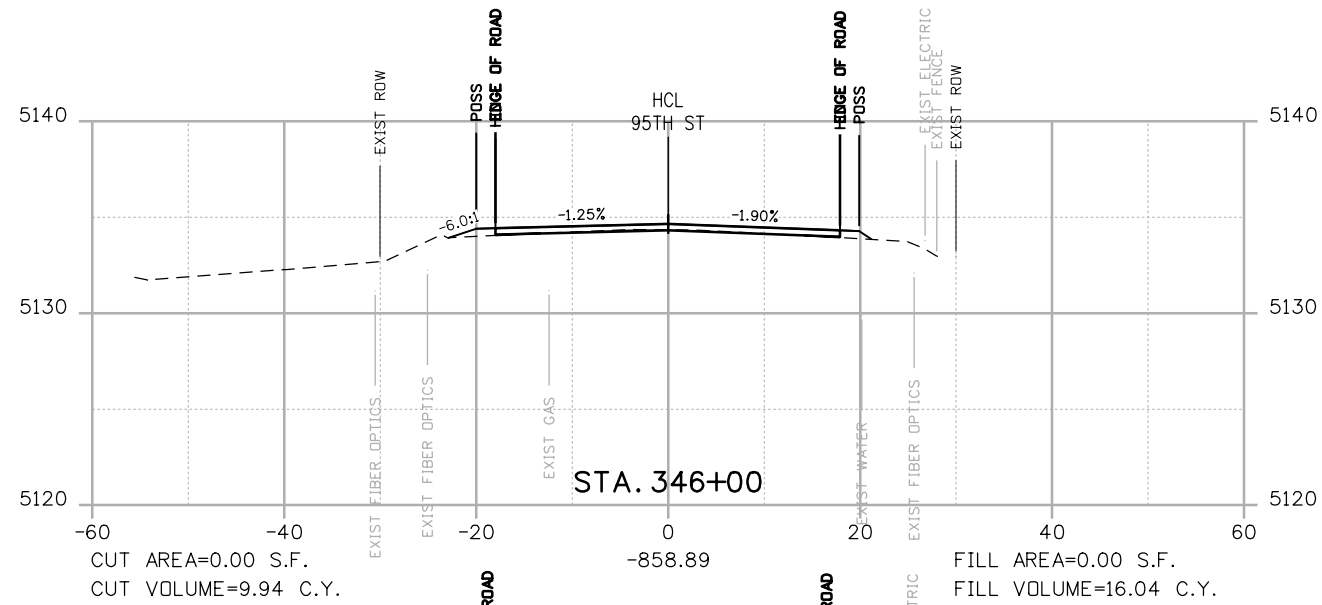


**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**
AECOM
 DESIGNED: JTS
 CAD: MPR
 CHECKED: CDL
 DATE: 02/14/2019

**95TH STREET
 CROSS SECTIONS**
 PROJECT NO: 74030
 SHEET NO: X21



alison.lavery 2:03:10 PM pw:\617479-PWINT.aecomonline.local\AECOM_DSO1_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



POSS
 - - - - - POINT OF SLOPE SELECTION
 --- GROUND SURVEY
 --- GROUND LIDAR
 --- PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
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 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**

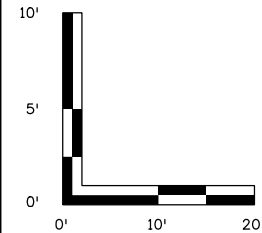
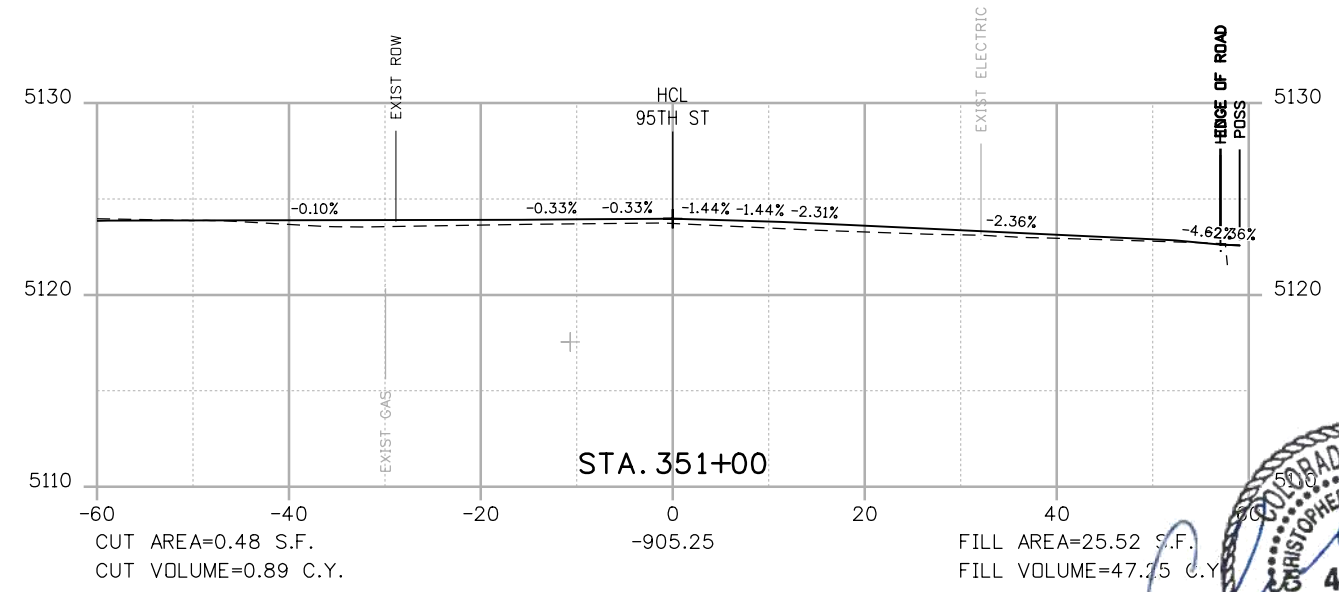
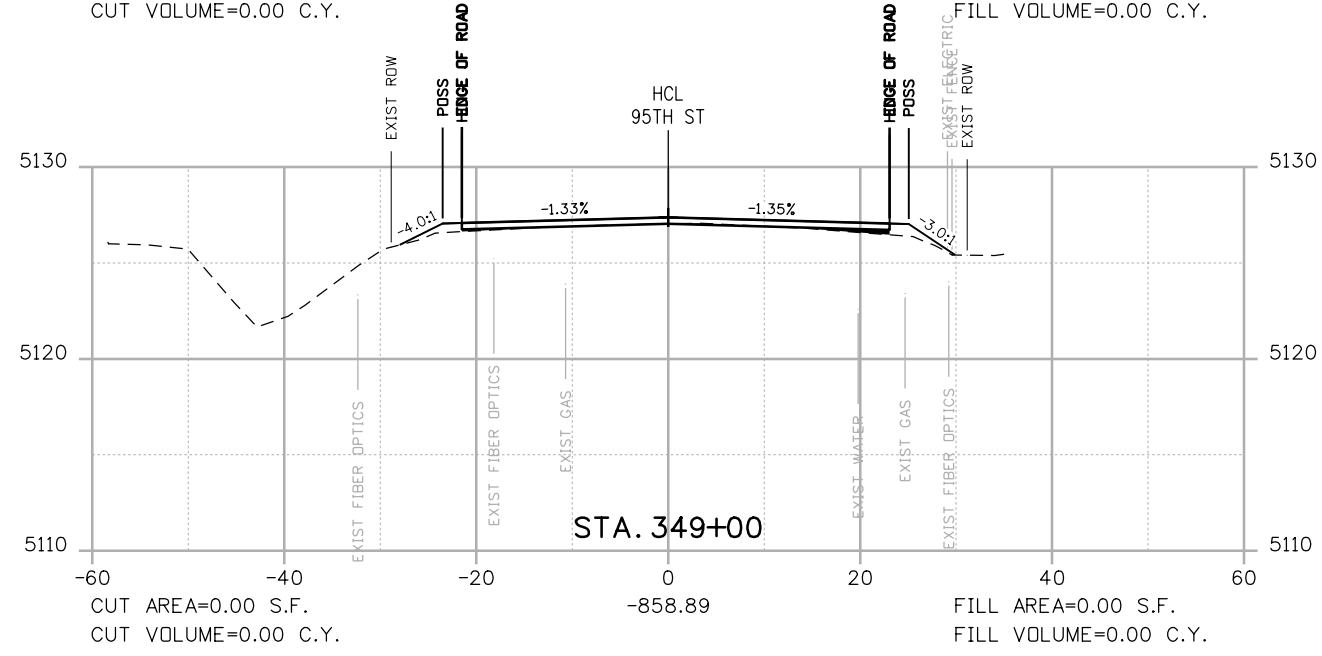
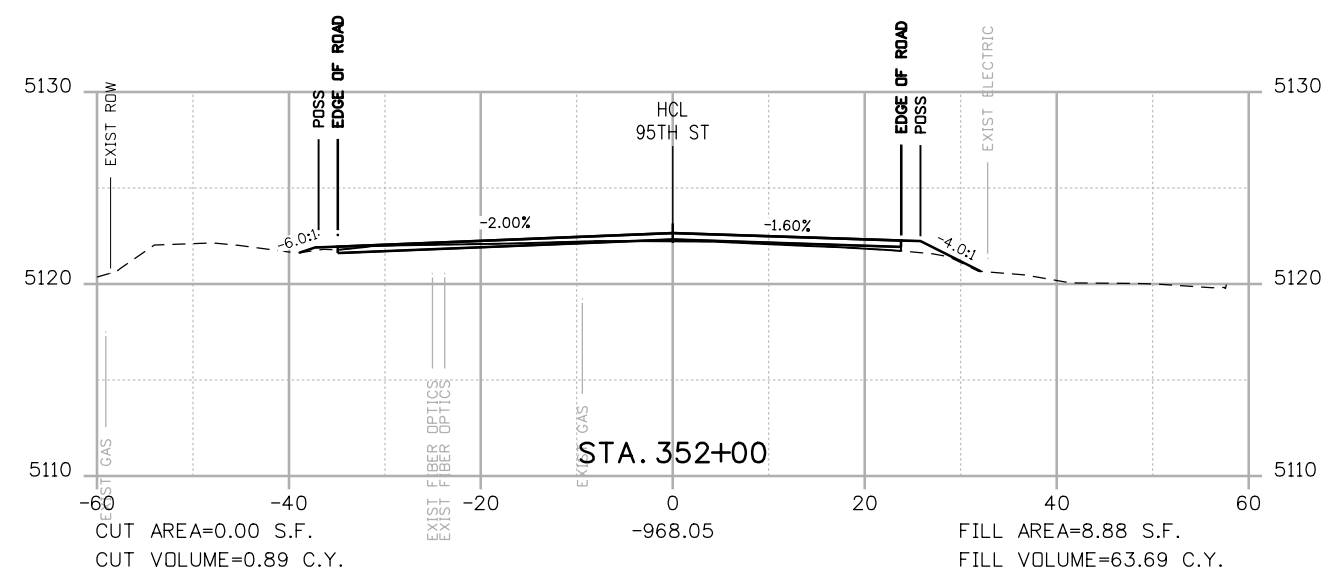
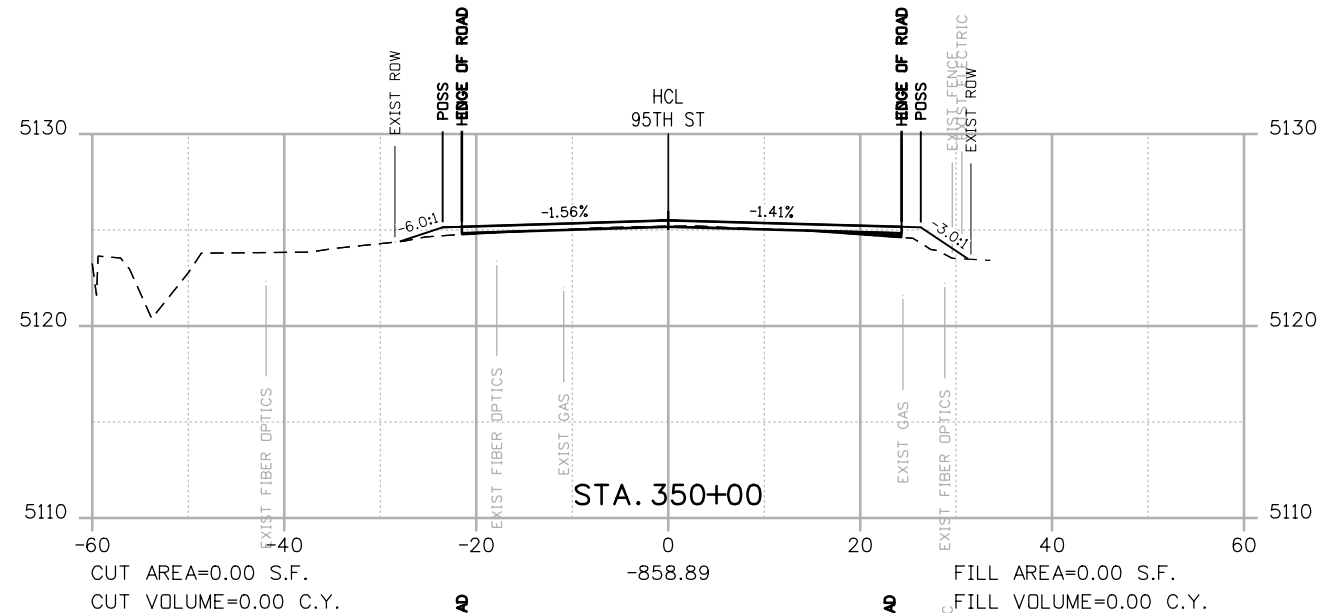


DESIGNED: JTS
 CAD: MPR
 CHECKED: CDL
 DATE: 02/14/2019



**95TH STREET
 CROSS SECTIONS**
 PROJECT NO: 74030 SHEET NO: X22

alison.lavery 2:03:18 PM pw:\617479-PWINT.aecomonline.local:AECOM_DSO1_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



POSS

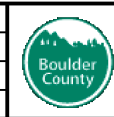
POINT OF SLOPE SELECTION
GROUND SURVEY
GROUND LIDAR
PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
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FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**

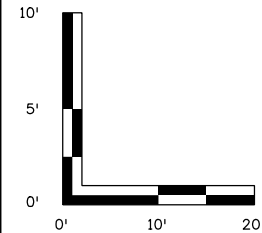
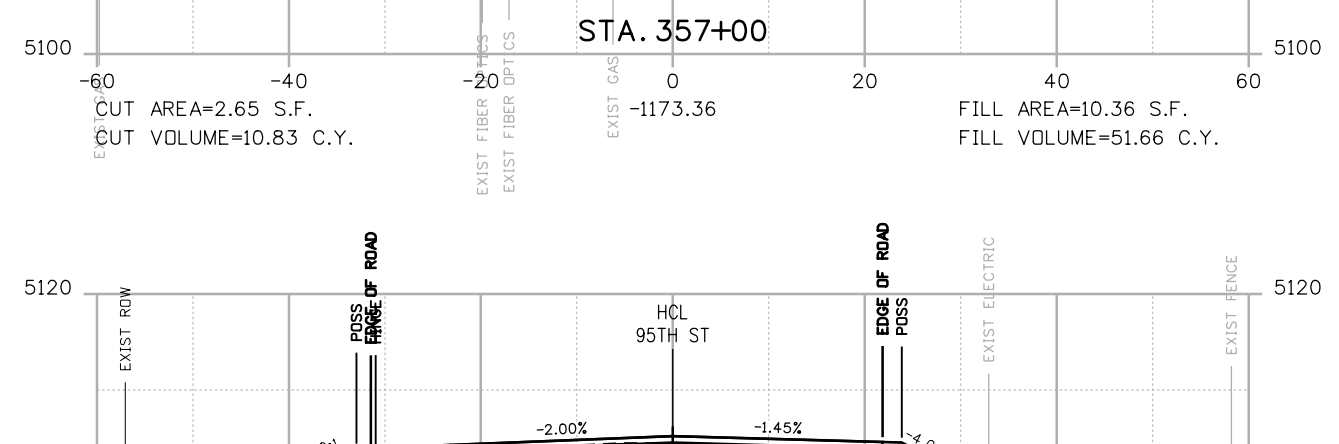
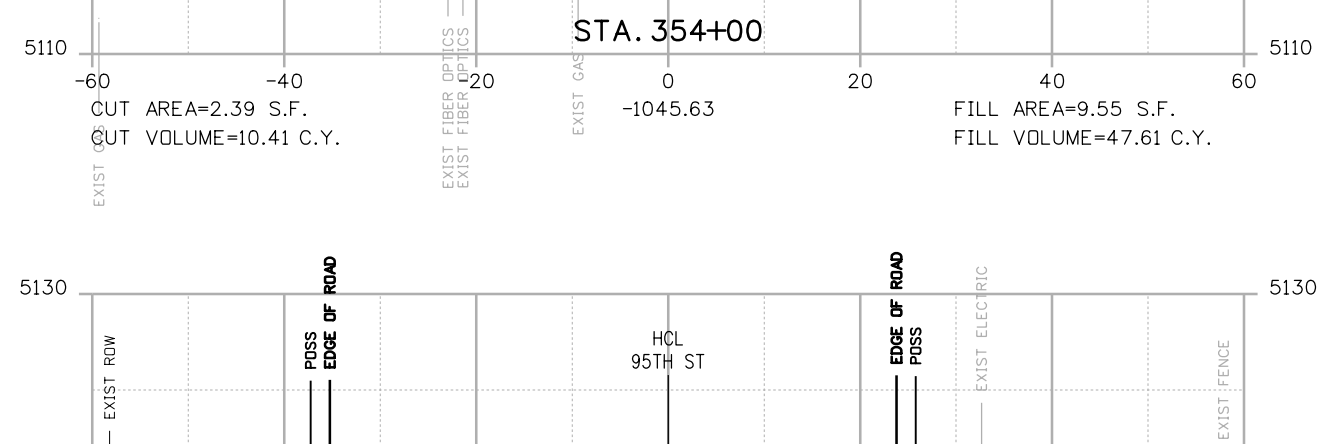
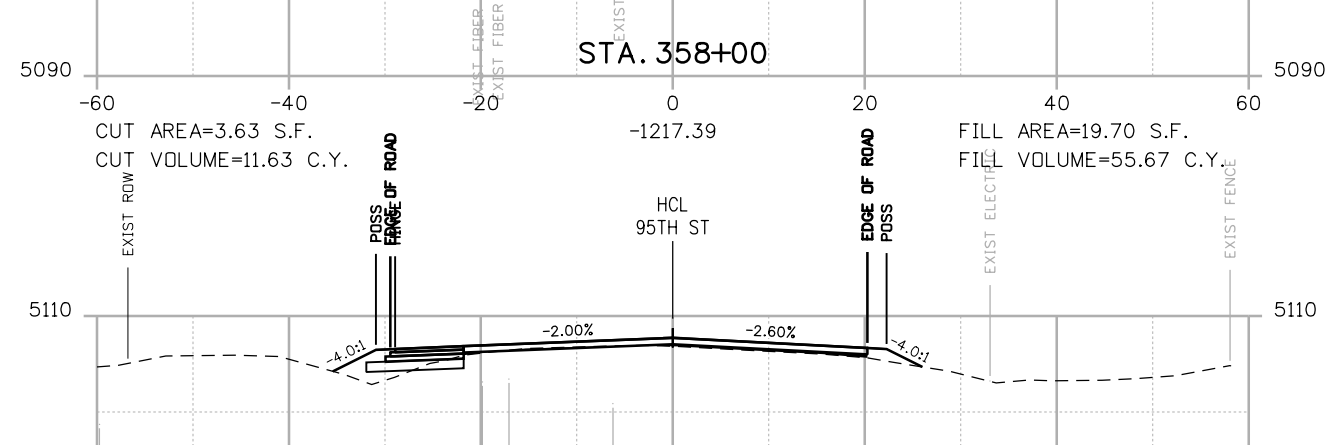
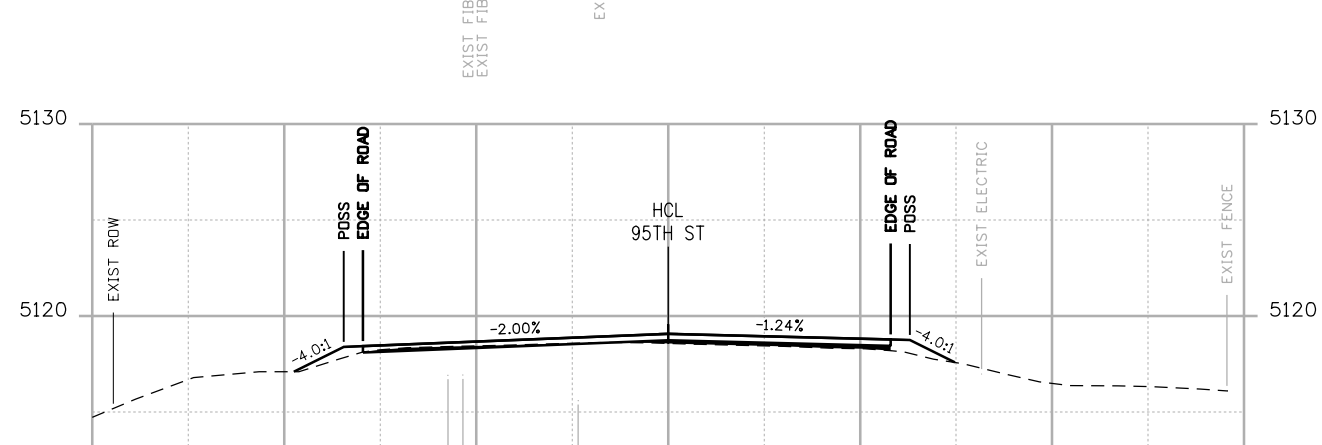
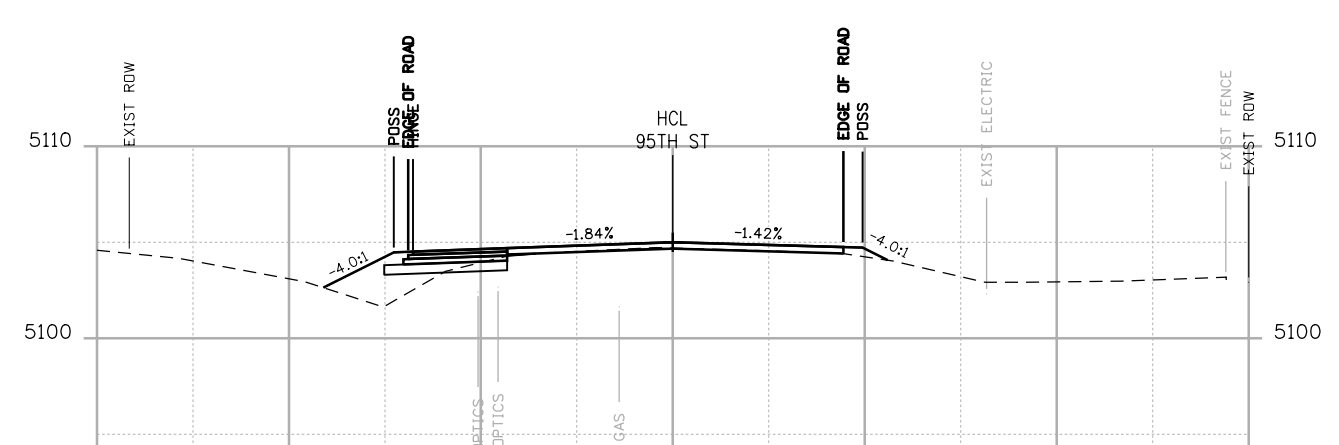
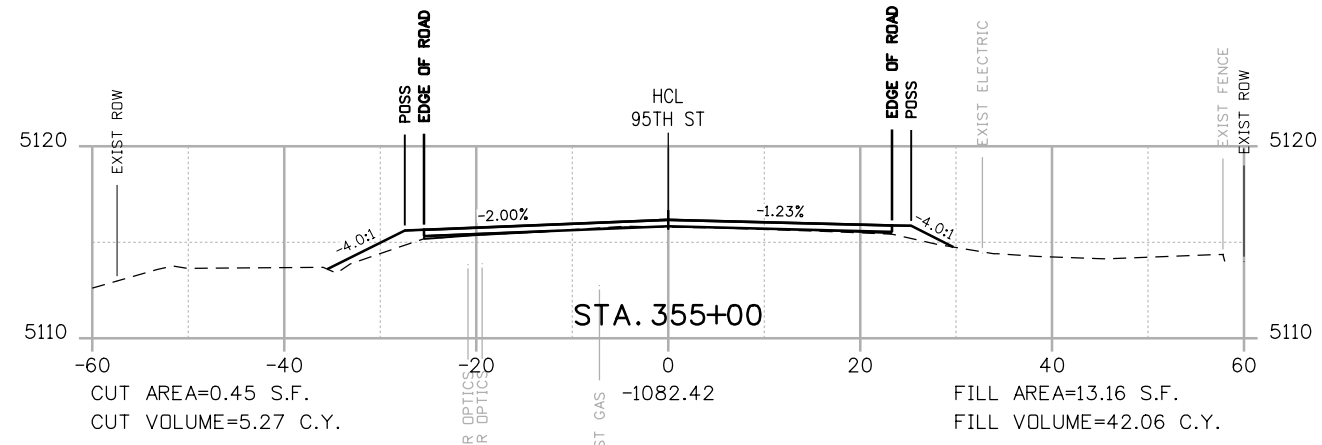
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CAD: MPR
CHECKED: CDL
DATE: 02/14/2019

**95TH STREET
CROSS SECTIONS**

PROJECT NO: 74030 SHEET NO: X23



alison.lavery 2:03:25 PM p:\617479-PWINT.aecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



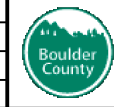
POSS
 POINT OF SLOPE SELECTION
 GROUND SURVEY
 GROUND LIDAR
 PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
 CENTER OF COLORADO**
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 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

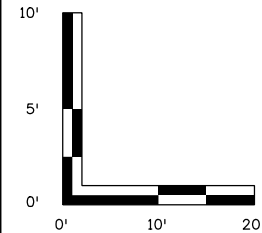
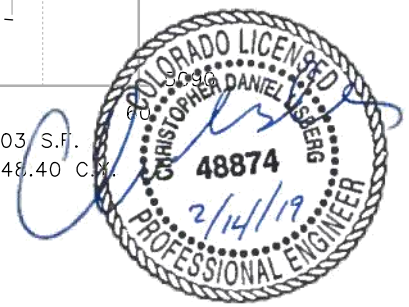
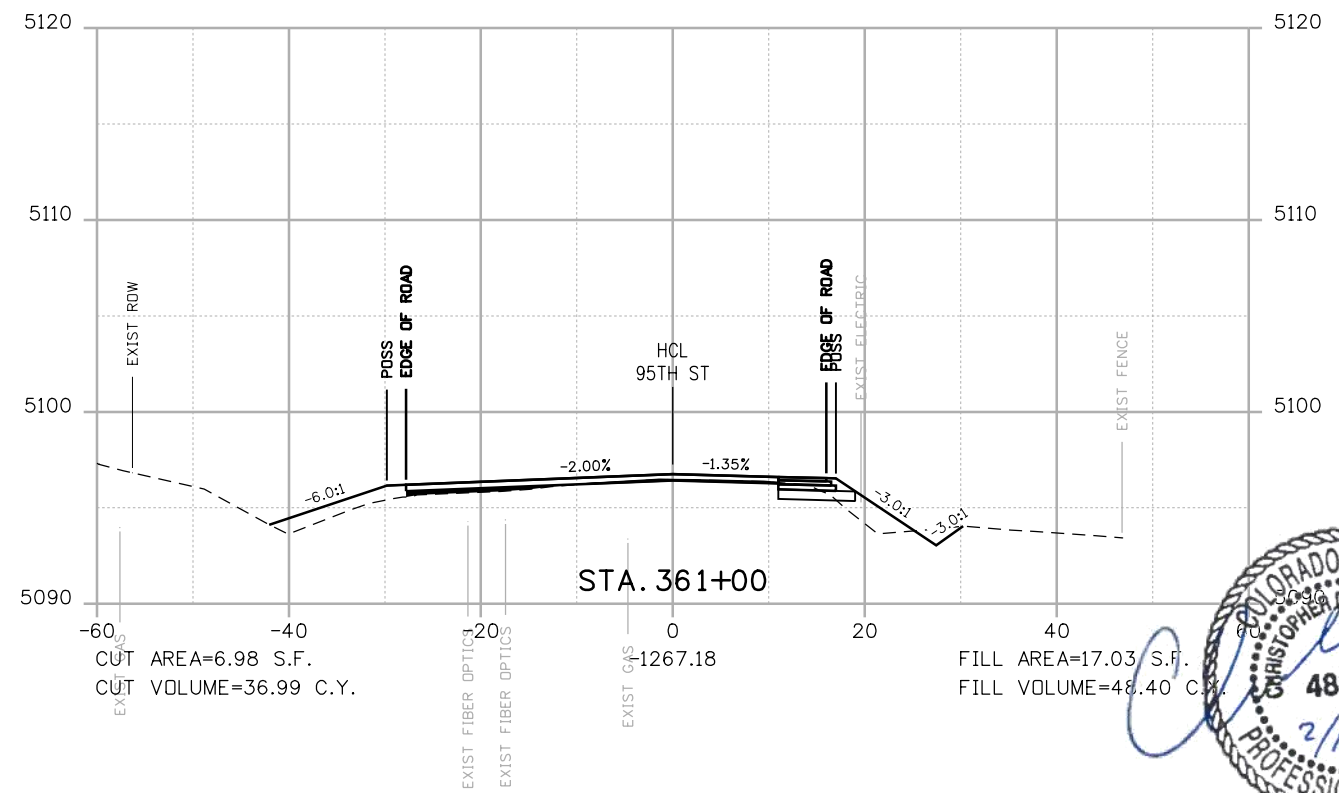
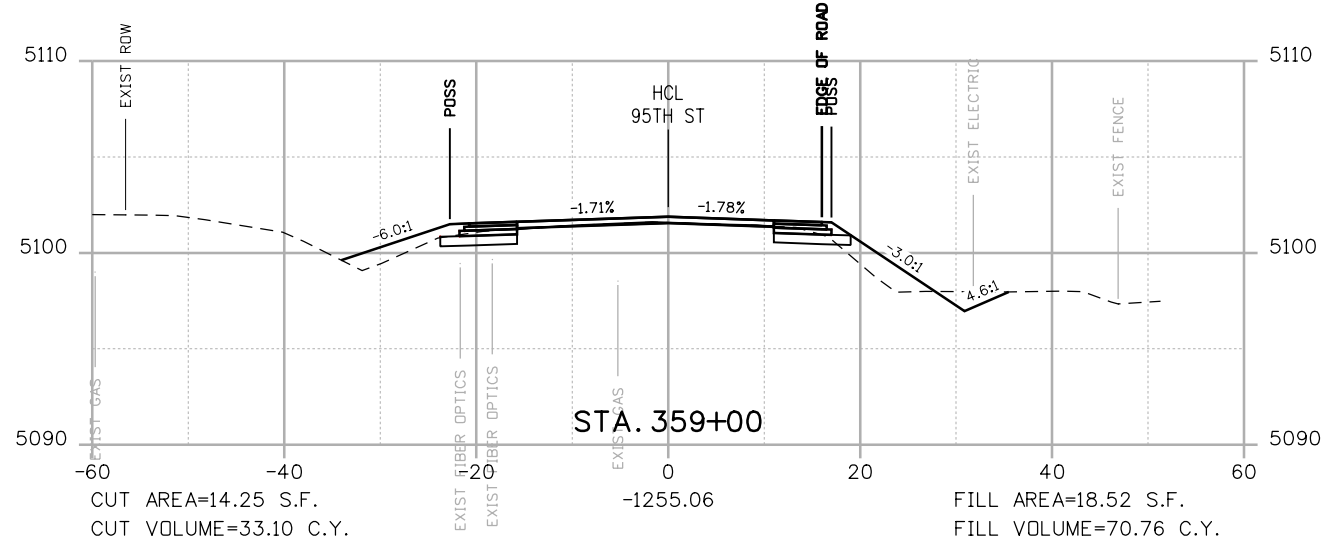
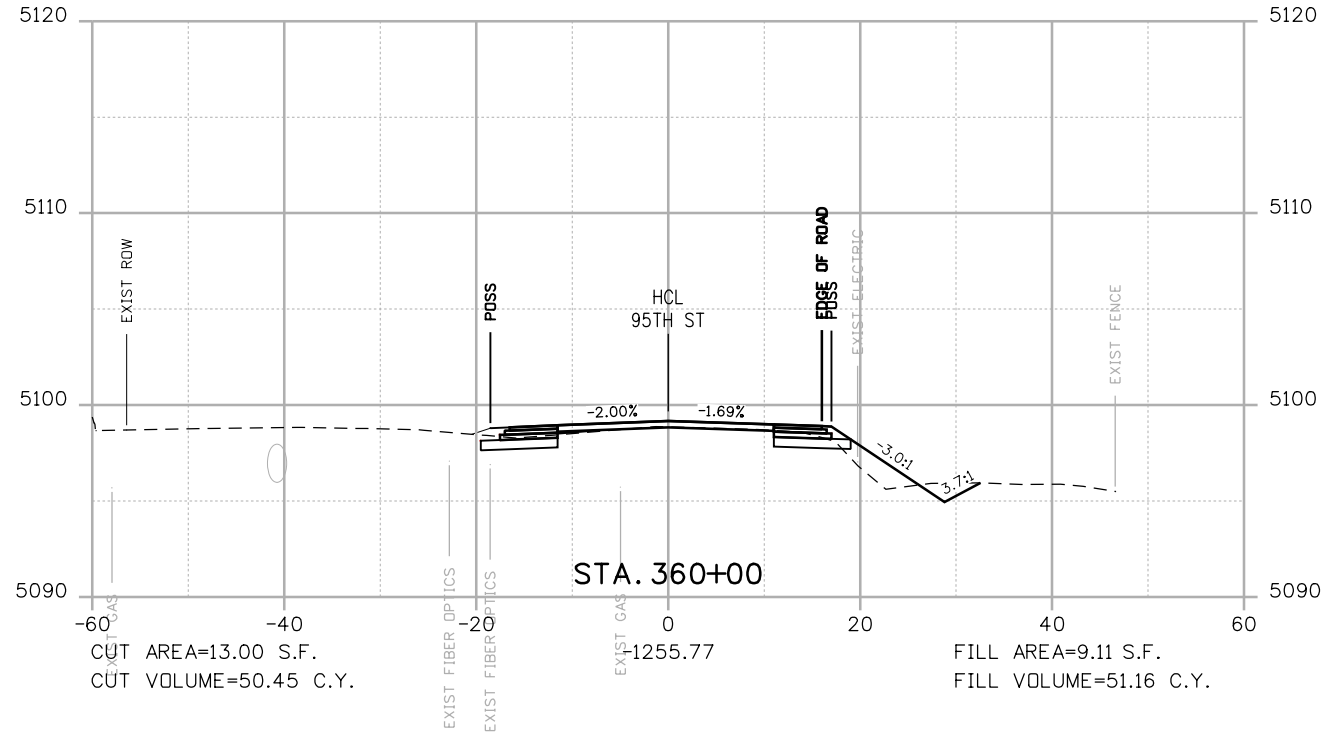


**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**
AECOM
 DESIGNED: JTS
 CAD: MPR
 CHECKED: CDL
 DATE: 02/14/2019



**95TH STREET
 CROSS SECTIONS**
 PROJECT NO: 74030
 SHEET NO: X24

alison.lavery 2:03:32 PM p:\617479-PWINT.aecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



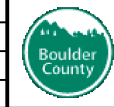
POINT OF SLOPE SELECTION
GROUND SURVEY
GROUND LIDAR
PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
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MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



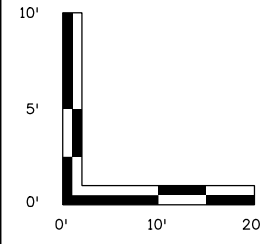
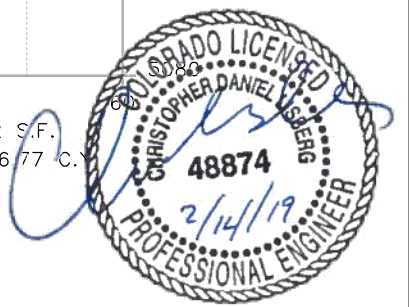
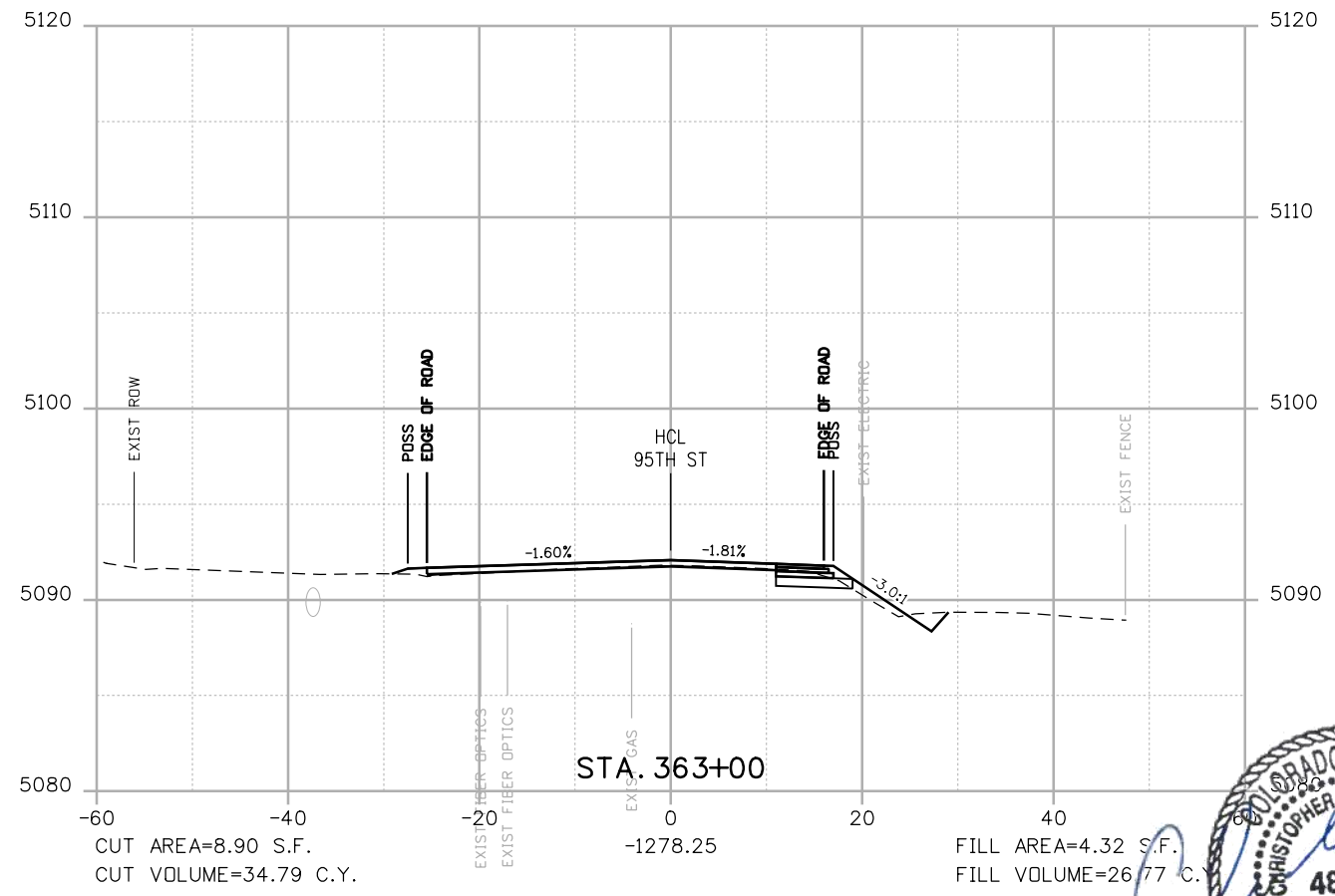
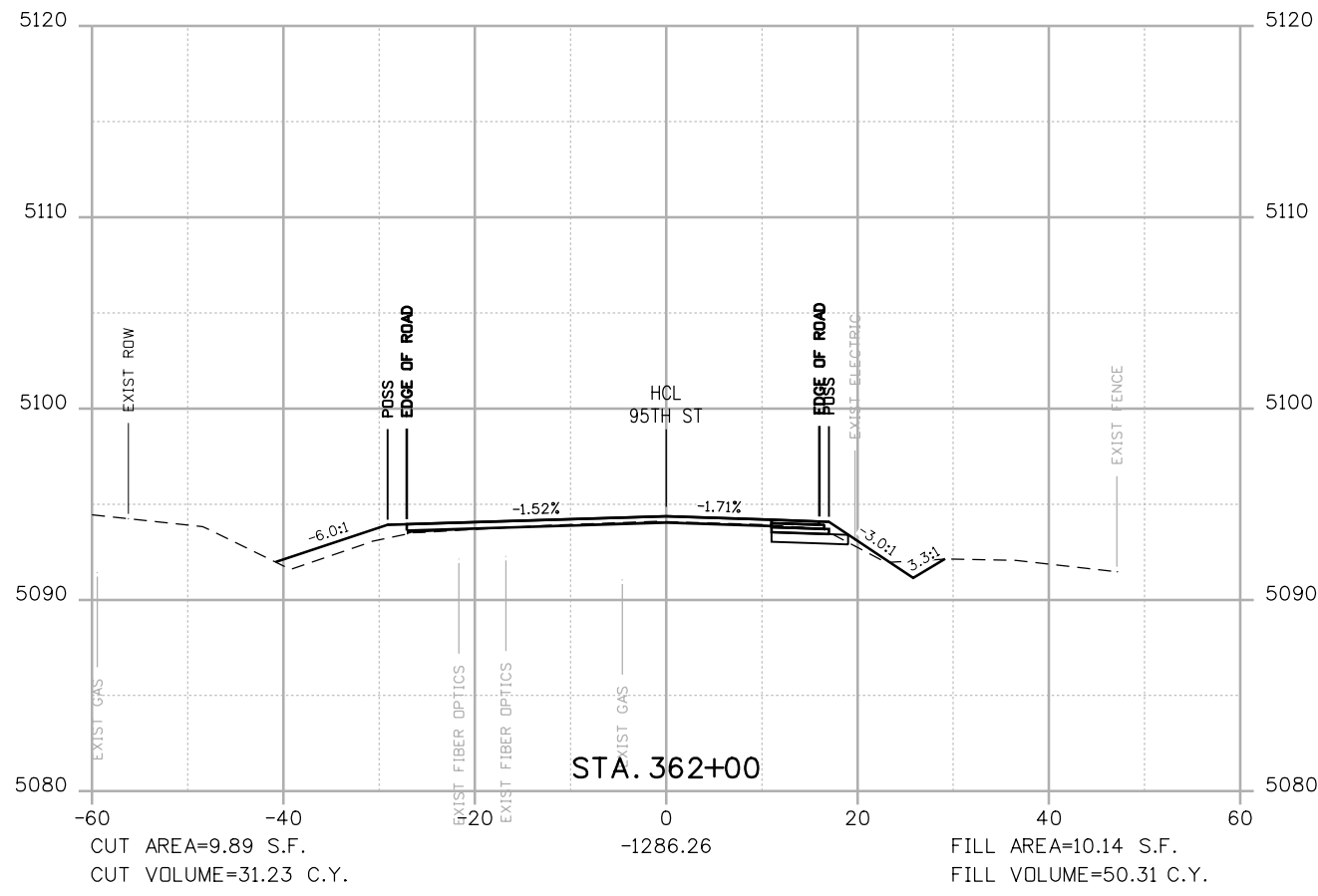
**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**

DESIGNED: JTS
CAD: MPR
CHECKED: CDL
DATE: 02/14/2019

**95TH STREET
CROSS SECTIONS**

PROJECT NO: 74030 SHEET NO: X25

alison.lavery 2:03:39 PM pw:\617479-PWINT.pocmonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



POSS

POINT OF SLOPE SELECTION

GROUND SURVEY

GROUND LIDAR

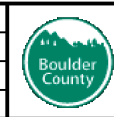
PROPOSED GRADE

RFC



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FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**

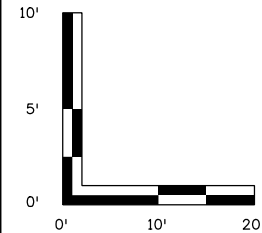
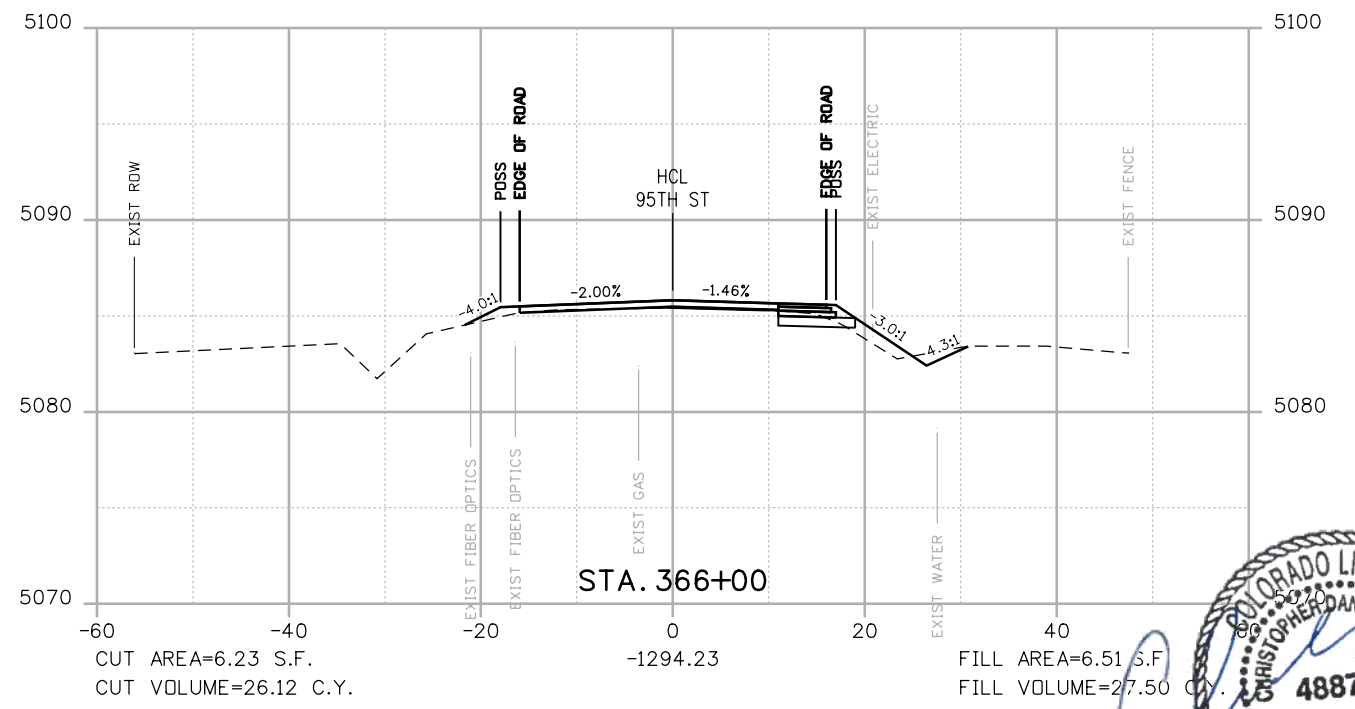
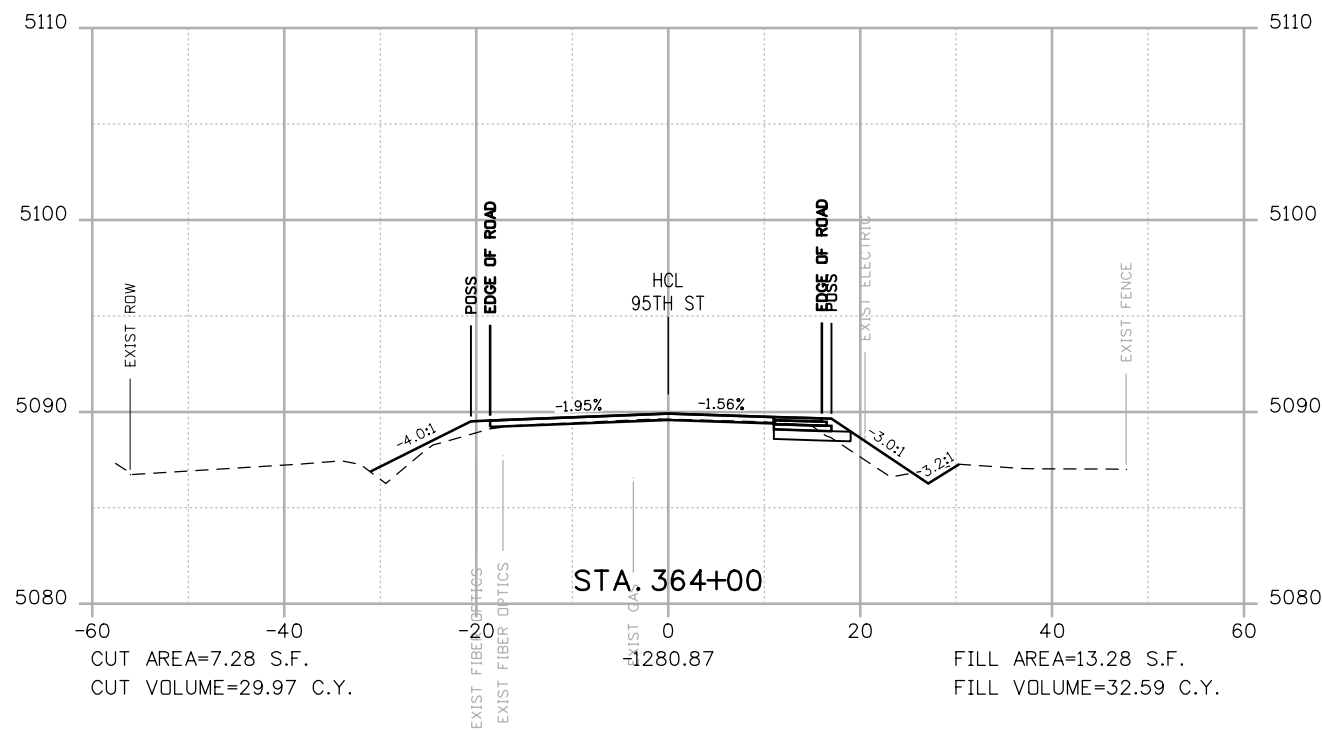
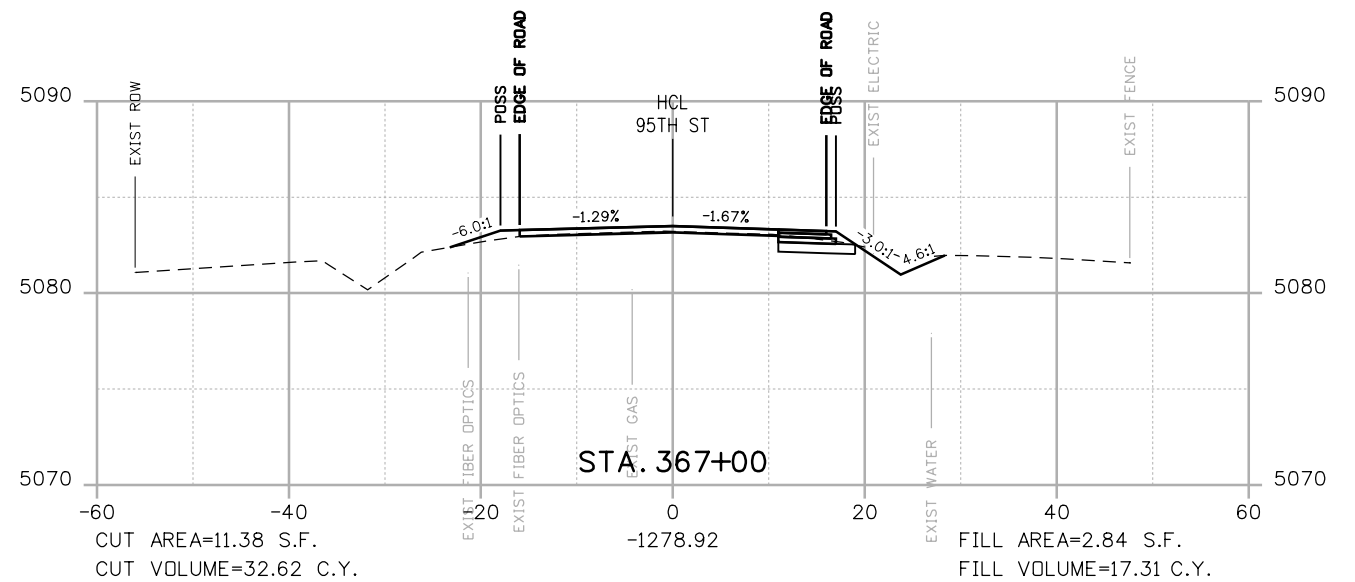
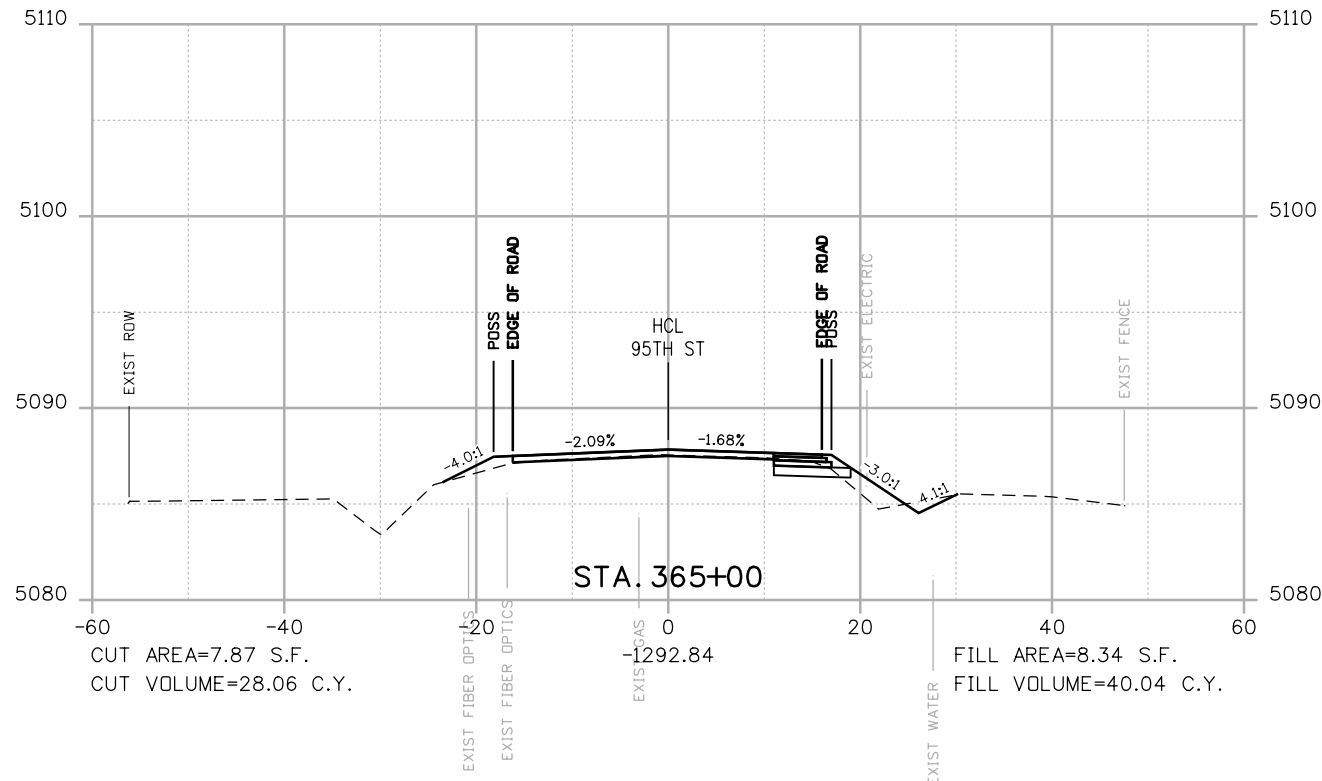
AECOM

DESIGNED: JTS
CAD: MPR
CHECKED: CDL
DATE: 02/14/2019

**95TH STREET
CROSS SECTIONS**

PROJECT NO: 74030 SHEET NO: X26

alison.lavery 2:03:46 PM pw:\617479-PWINT.aecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



POSS

 POINT OF SLOPE SELECTION
 --- GROUND SURVEY
 --- GROUND LIDAR
 --- PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
 CENTER OF COLORADO**
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

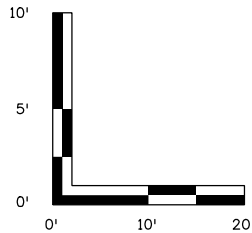
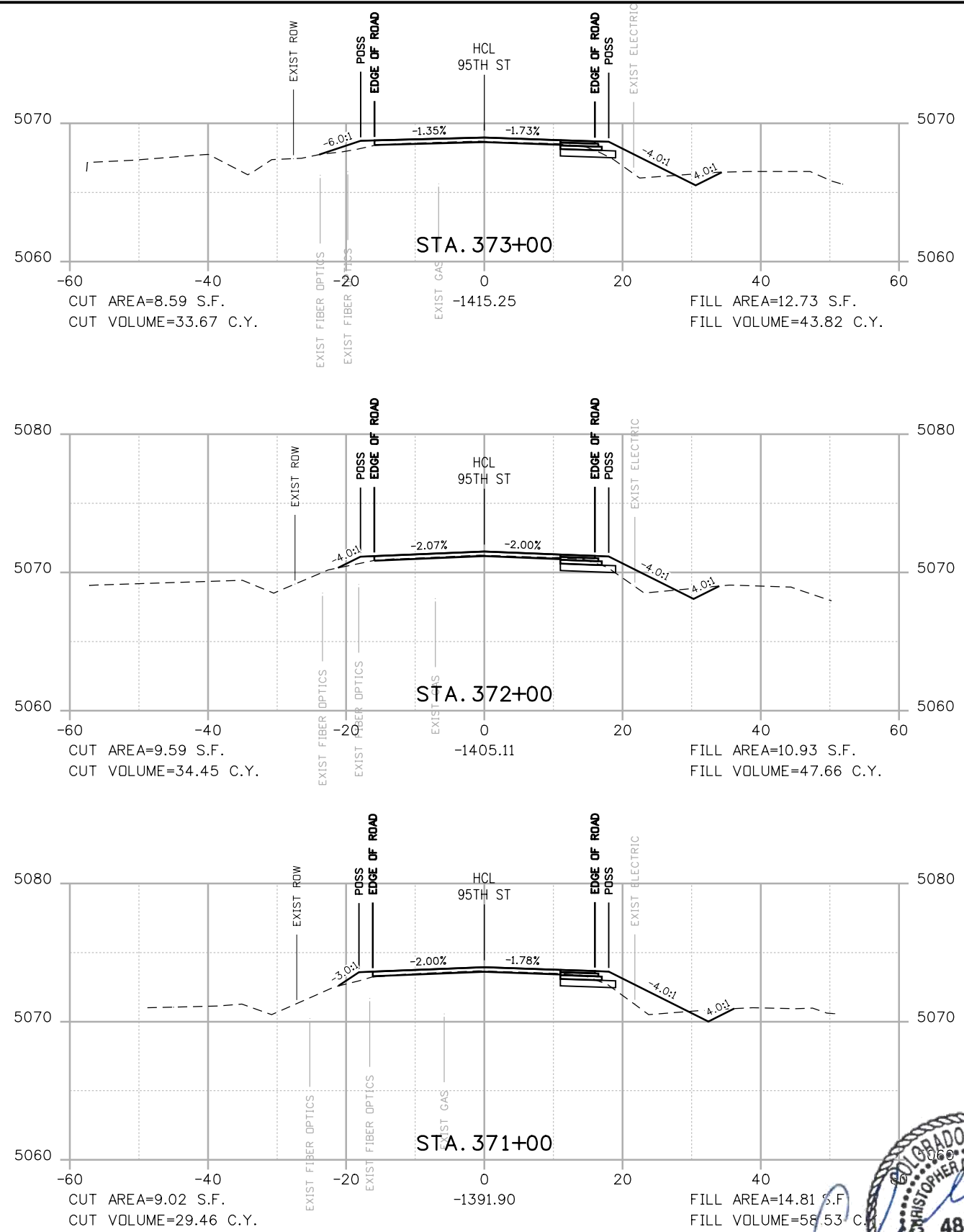
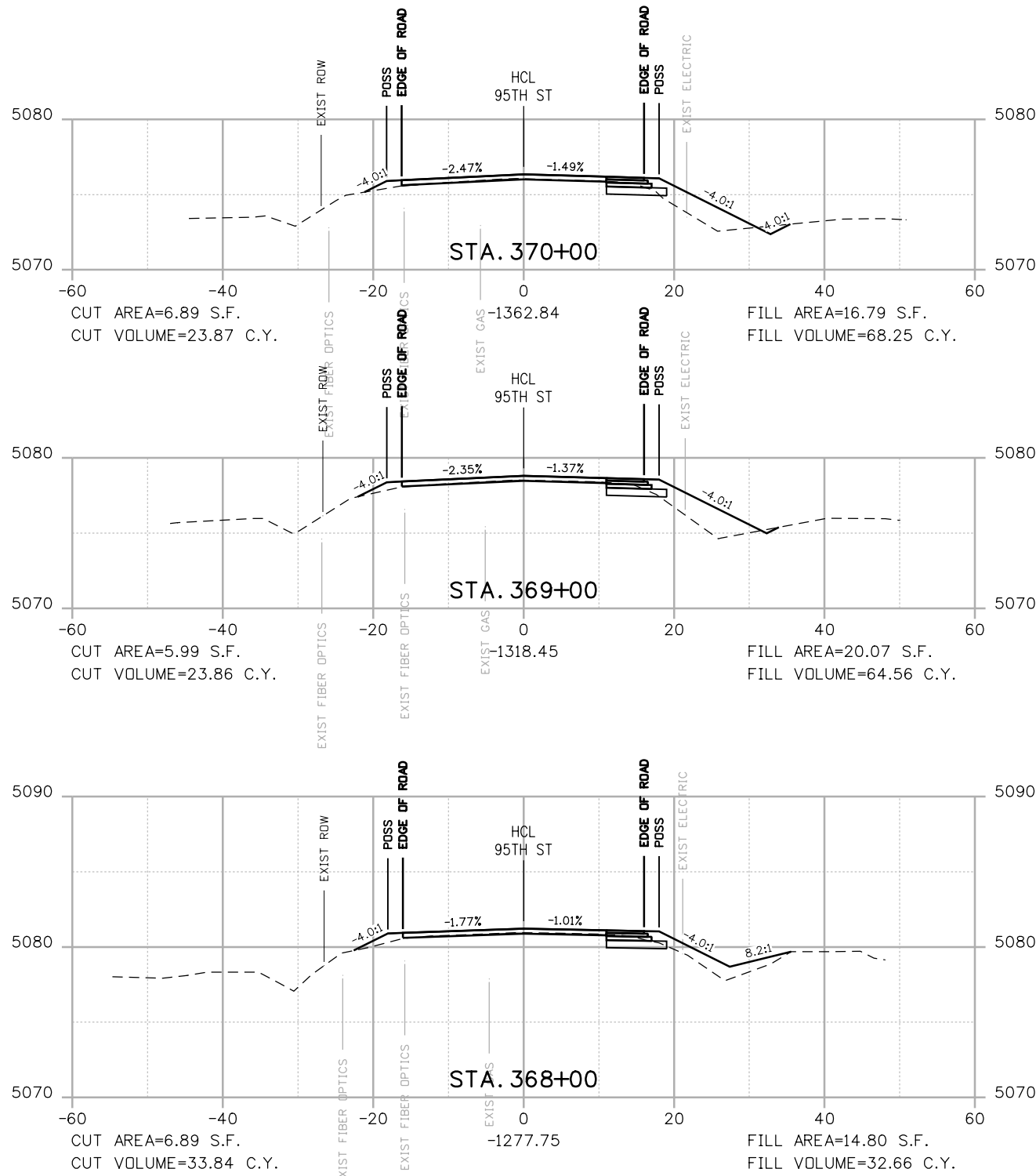


**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**
AECOM
 DESIGNED: JTS
 CAD: MPR
 CHECKED: CDL
 DATE: 02/14/2019



**95TH STREET
 CROSS SECTIONS**
 PROJECT NO: 74030
 SHEET NO: X27

alison.lavery 2:03:53 PM p:\617479-PWINT.aecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



POSS
 --- POINT OF SLOPE SELECTION
 --- GROUND SURVEY
 --- GROUND LIDAR
 --- PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
 CENTER OF COLORADO**
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

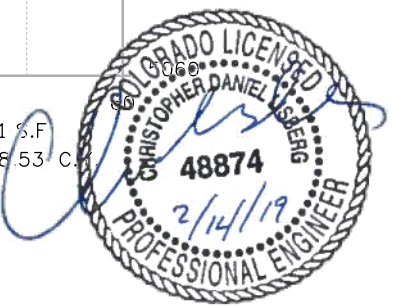
NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**
AECOM

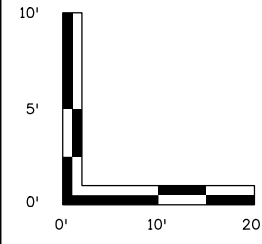
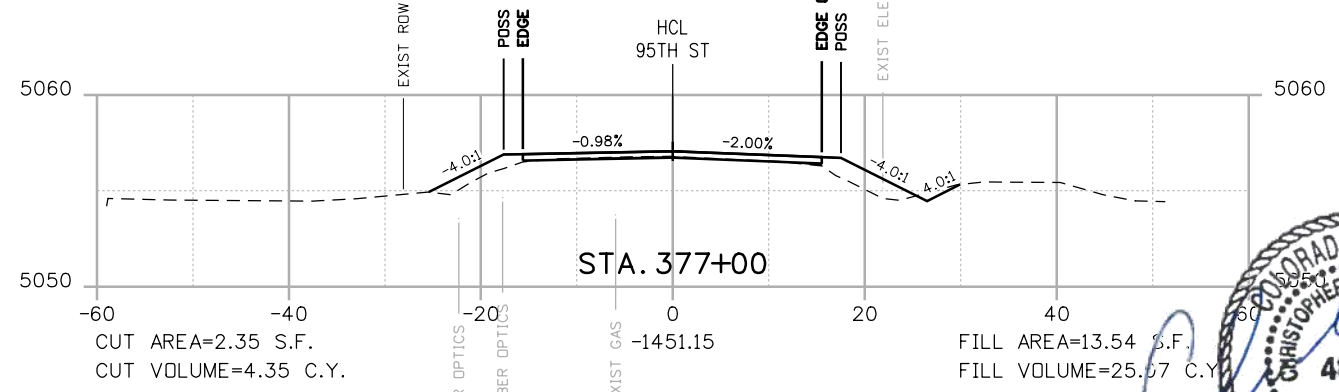
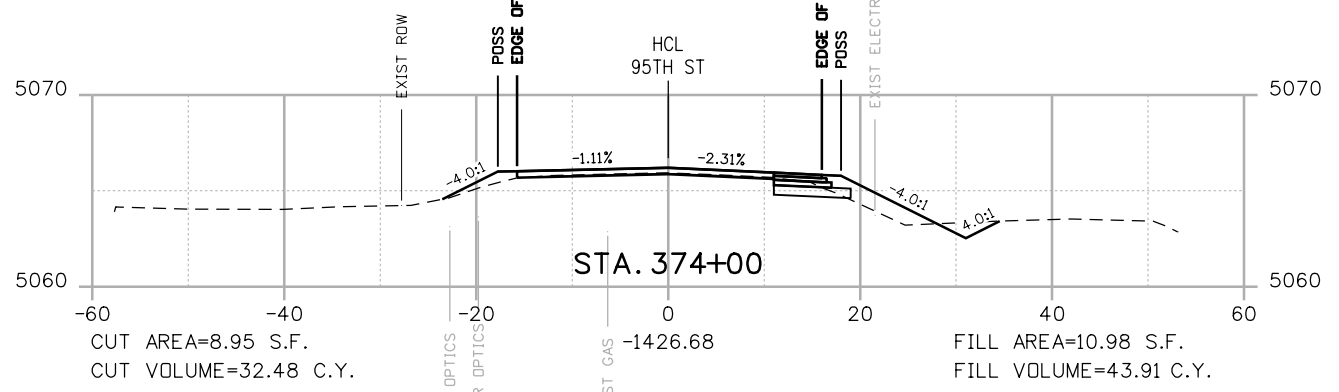
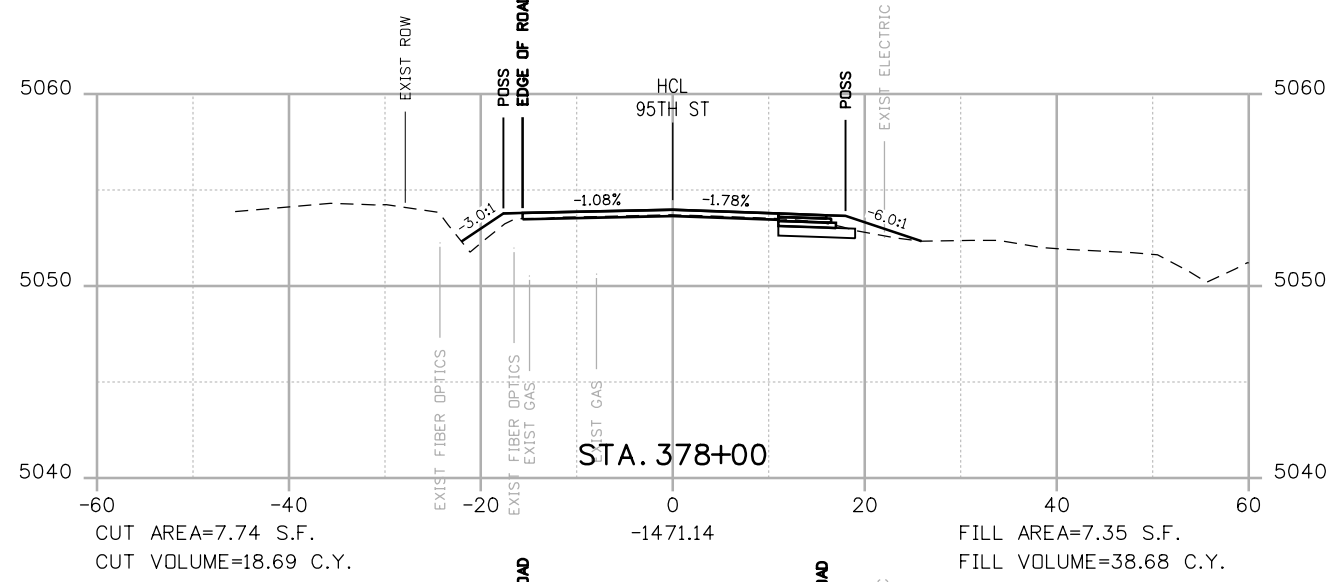
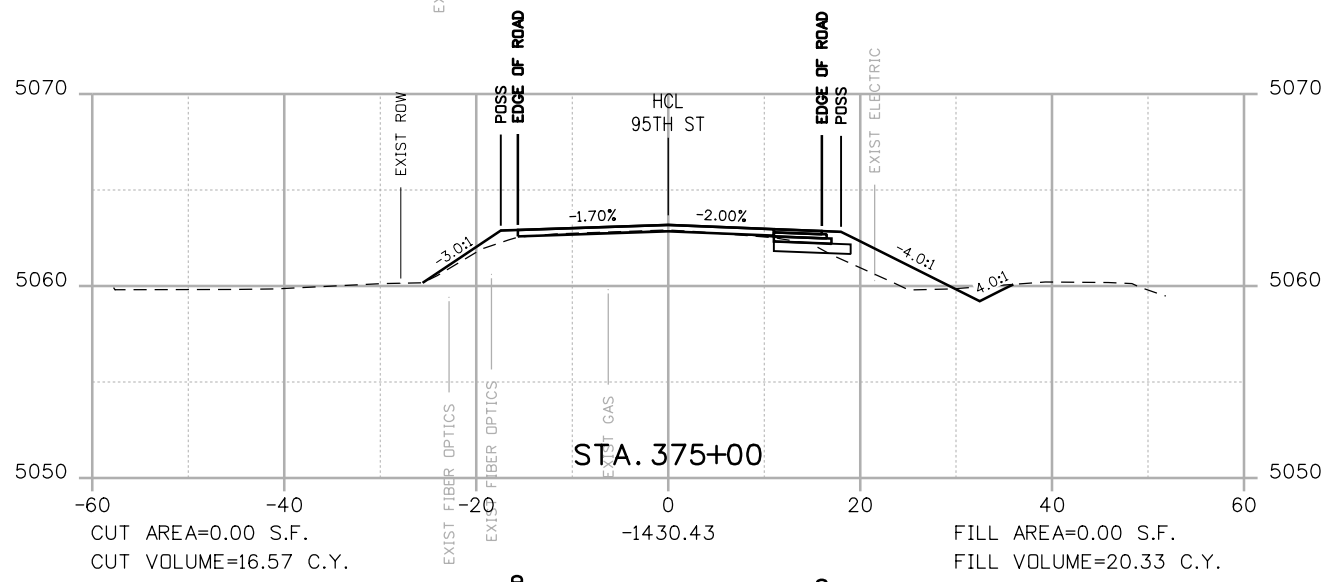
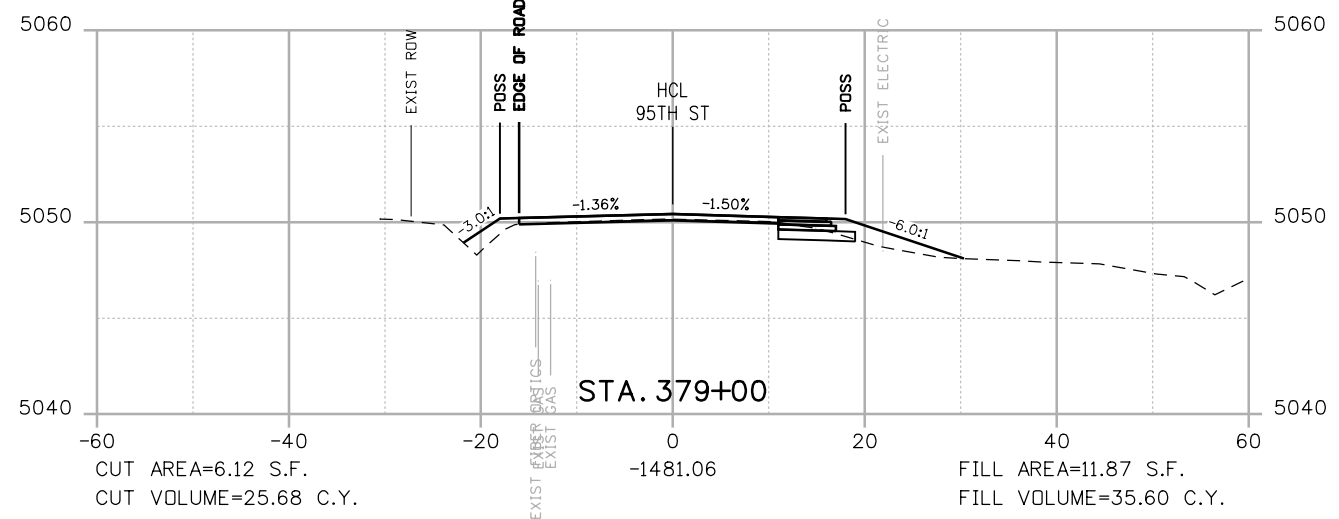
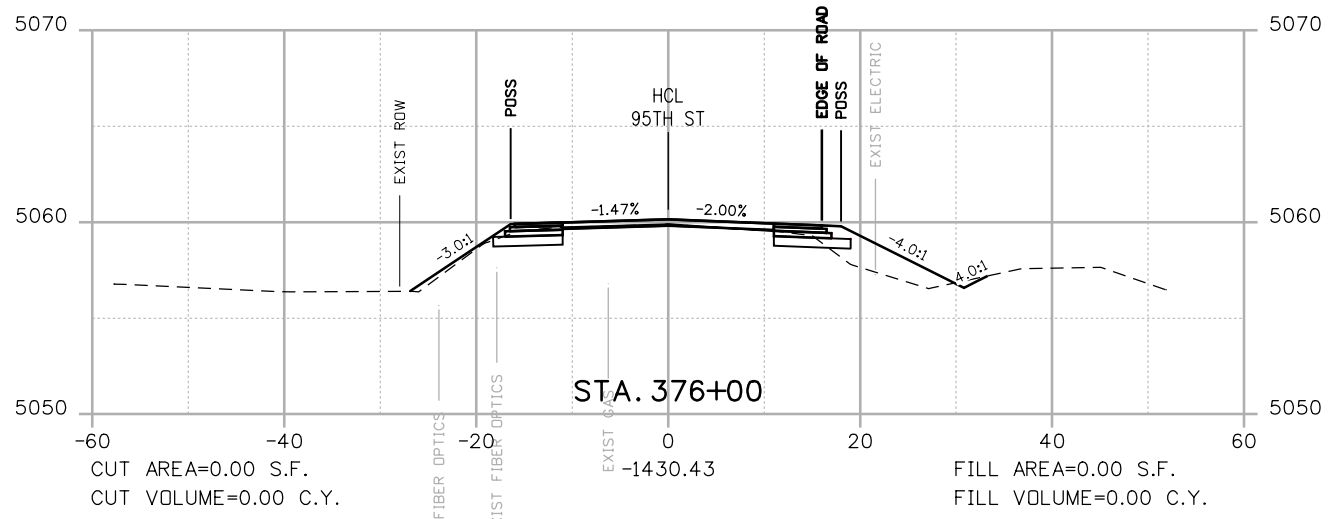
DESIGNED: JTS
 CAD: MPR
 CHECKED: CDL
 DATE: 02/14/2019

PROJECT NO: 74030 SHEET NO: X28



**95TH STREET
 CROSS SECTIONS**

alison.lavery 2:04:00 PM p:\617479-PWINT.aecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



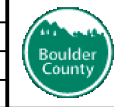
POSS
 POINT OF SLOPE SELECTION
 GROUND SURVEY
 GROUND LIDAR
 PROPOSED GRADE

RFC



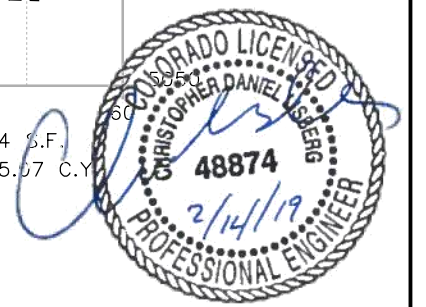
**CALL UTILITY NOTIFICATION
 CENTER OF COLORADO**
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

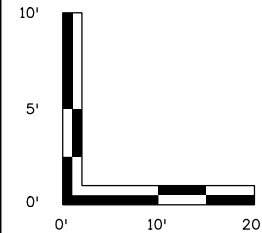
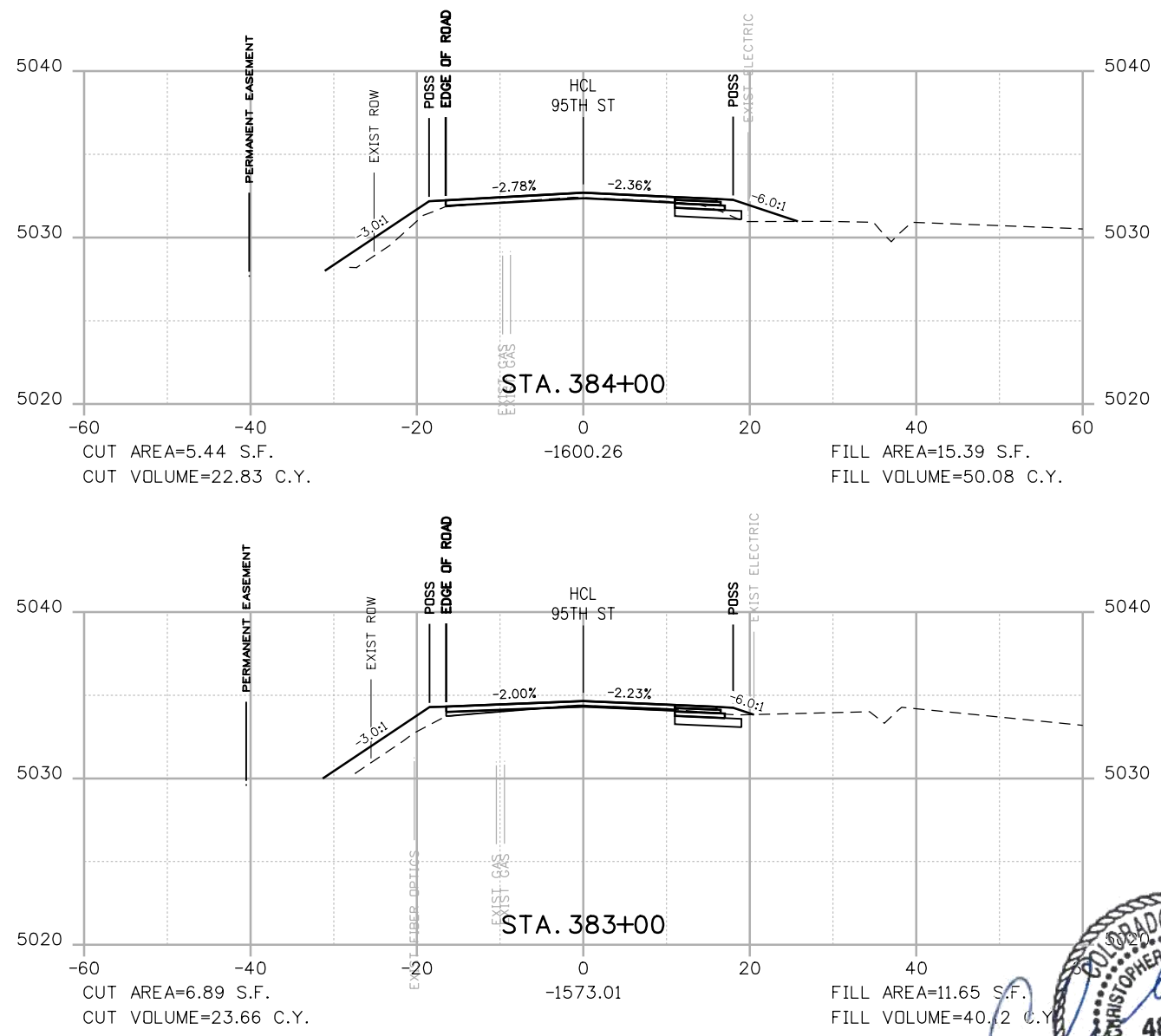
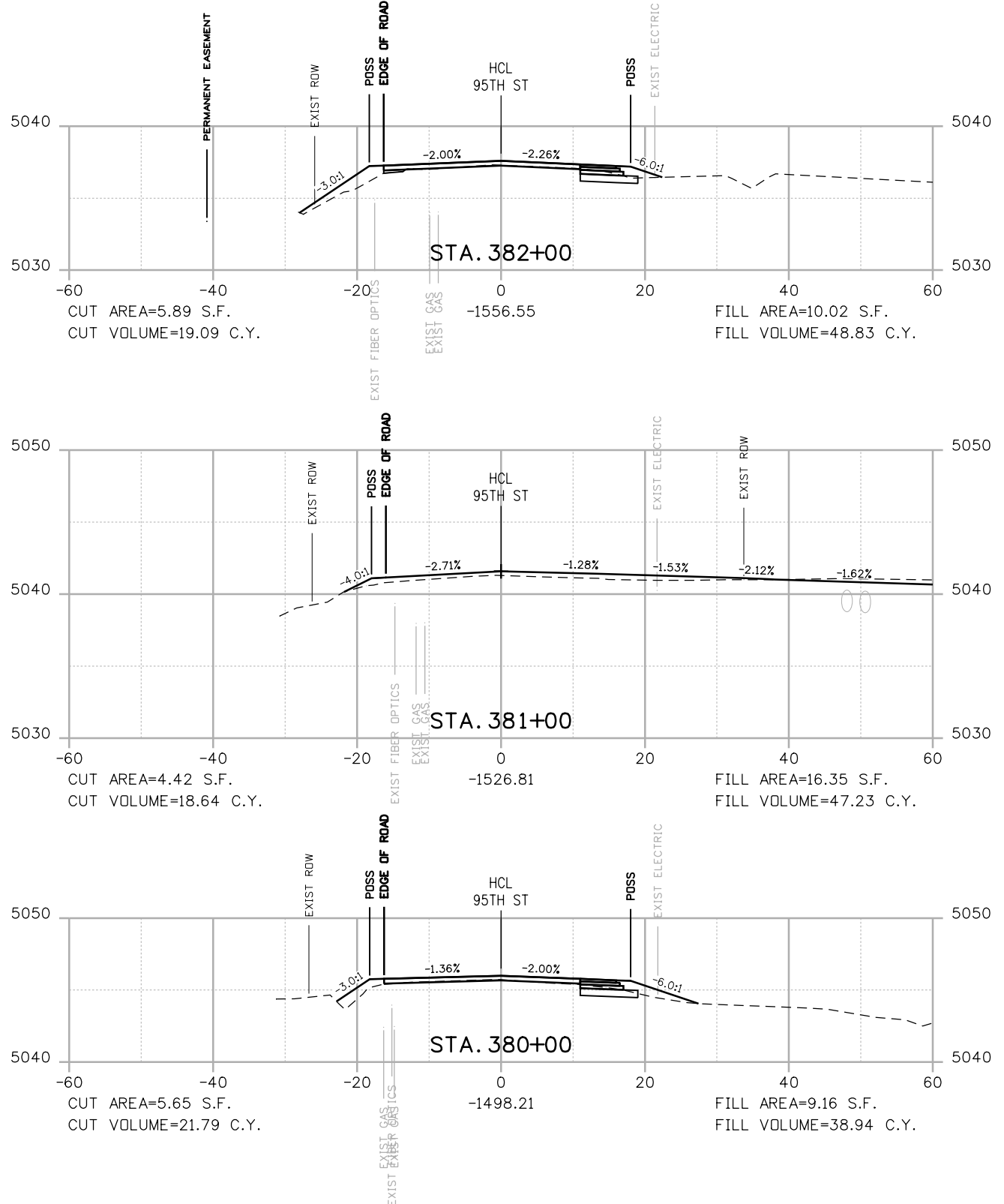


**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**
AECOM
 DESIGNED: JTS
 CAD: MPR
 CHECKED: CDL
 DATE: 02/14/2019

**95TH STREET
 CROSS SECTIONS**
 PROJECT NO: 74030
 SHEET NO: X29



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POSS
 --- POINT OF SLOPE SELECTION
 --- GROUND SURVEY
 --- GROUND LIDAR
 --- PROPOSED GRADE

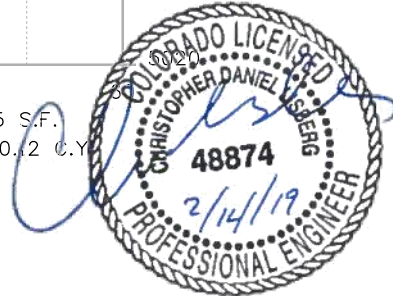
RFC

811
 CALL UTILITY NOTIFICATION
 CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

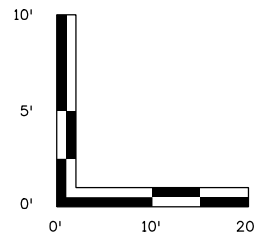
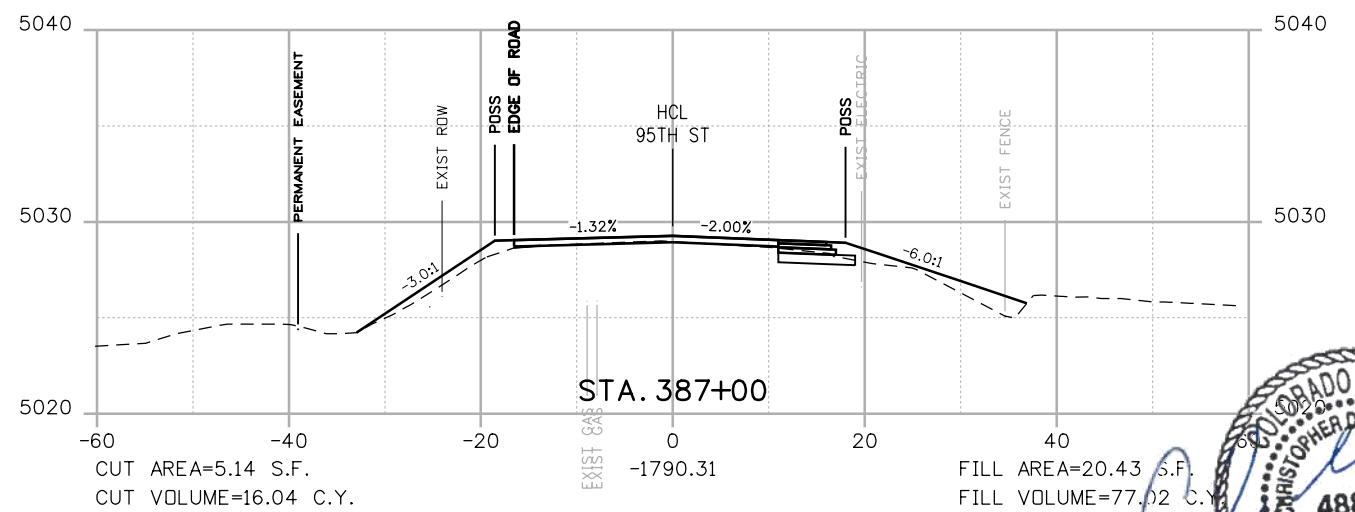
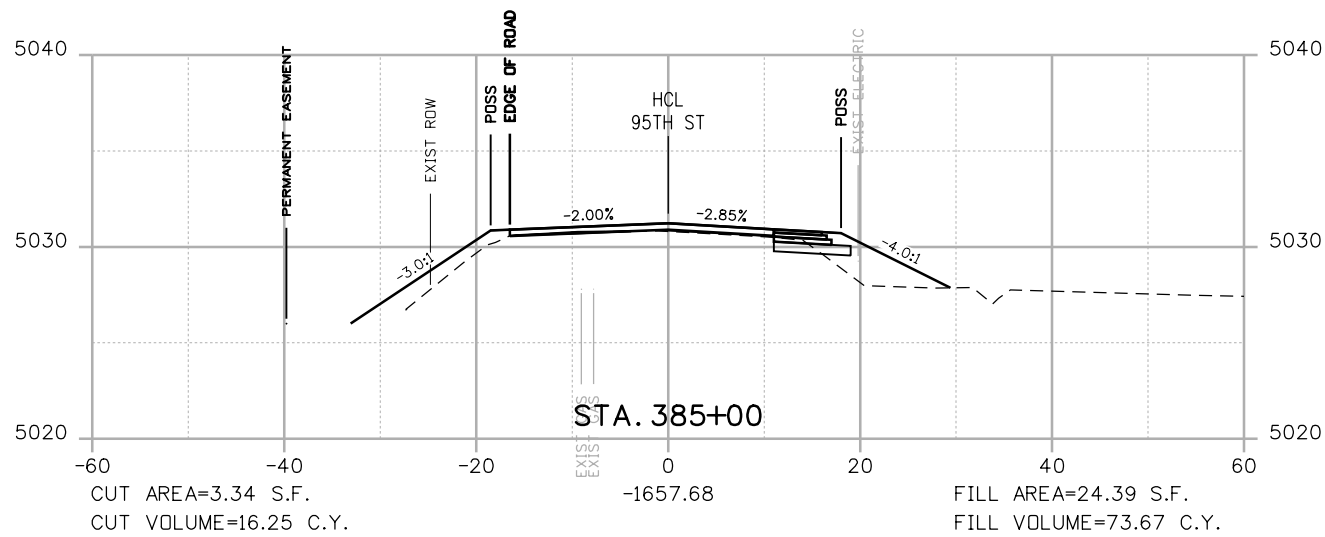
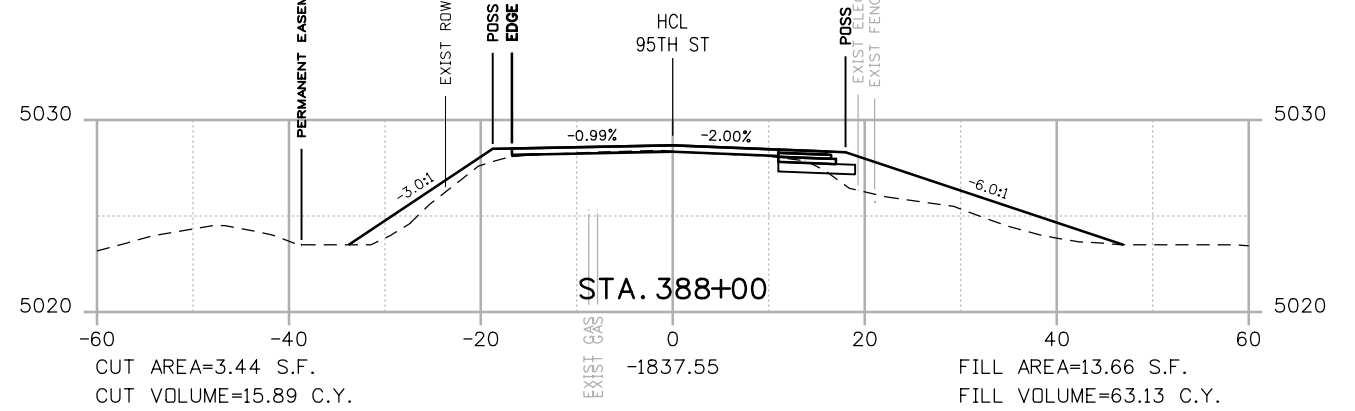
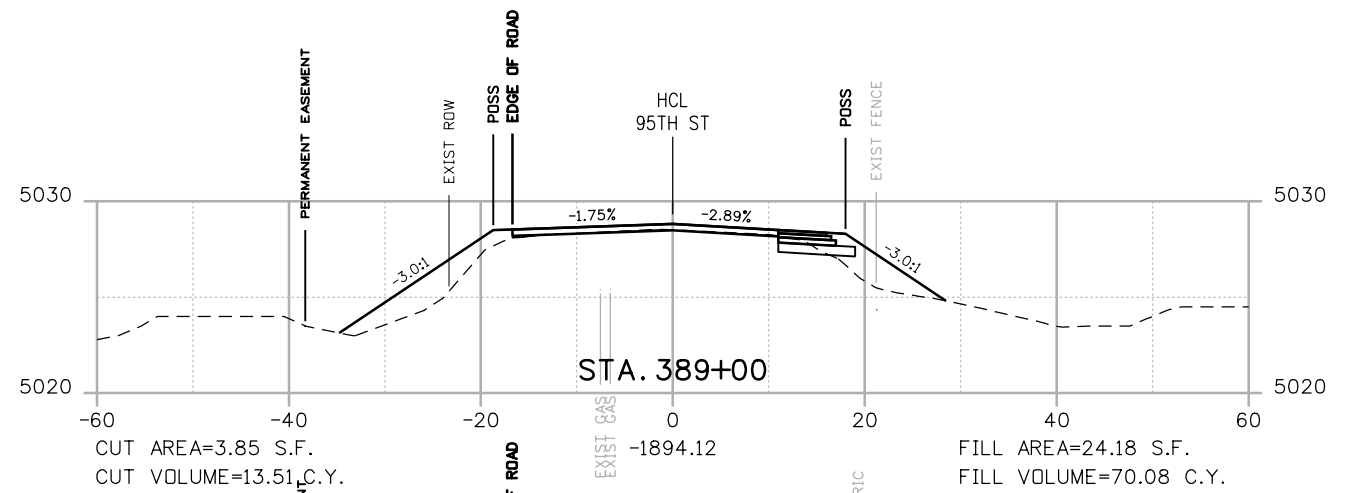
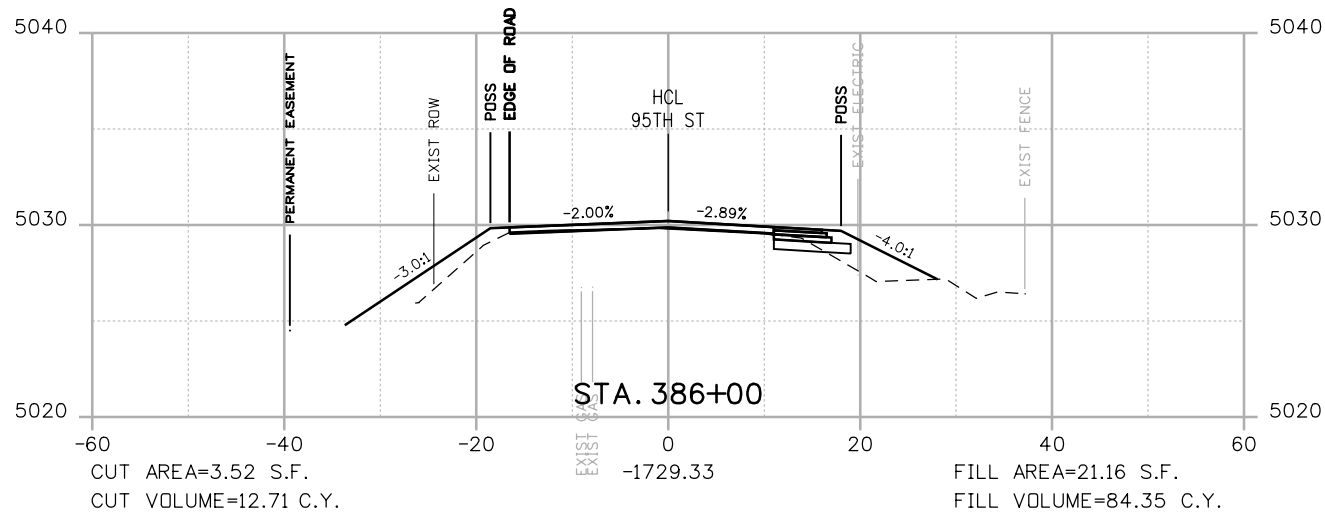
Boulder County
AECOM
BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

DESIGNED: JTS	CAD: MPR	CHECKED: CDL	DATE: 02/14/2019
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95TH STREET
CROSS SECTIONS
 PROJECT NO: 74030 SHEET NO: X30

alison.lavery 2:04:15 PM pw:\617479-PWINT.aecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



POSS
 --- POINT OF SLOPE SELECTION
 --- GROUND SURVEY
 --- GROUND LIDAR
 --- PROPOSED GRADE

RFC



CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION



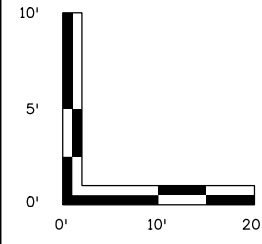
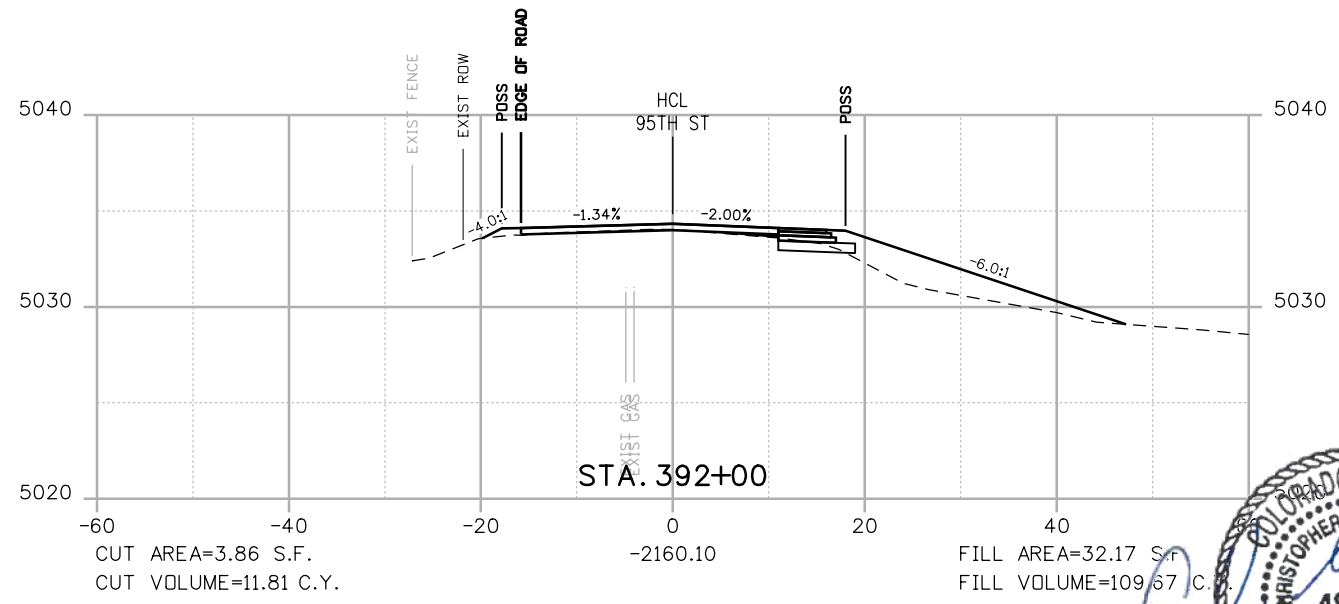
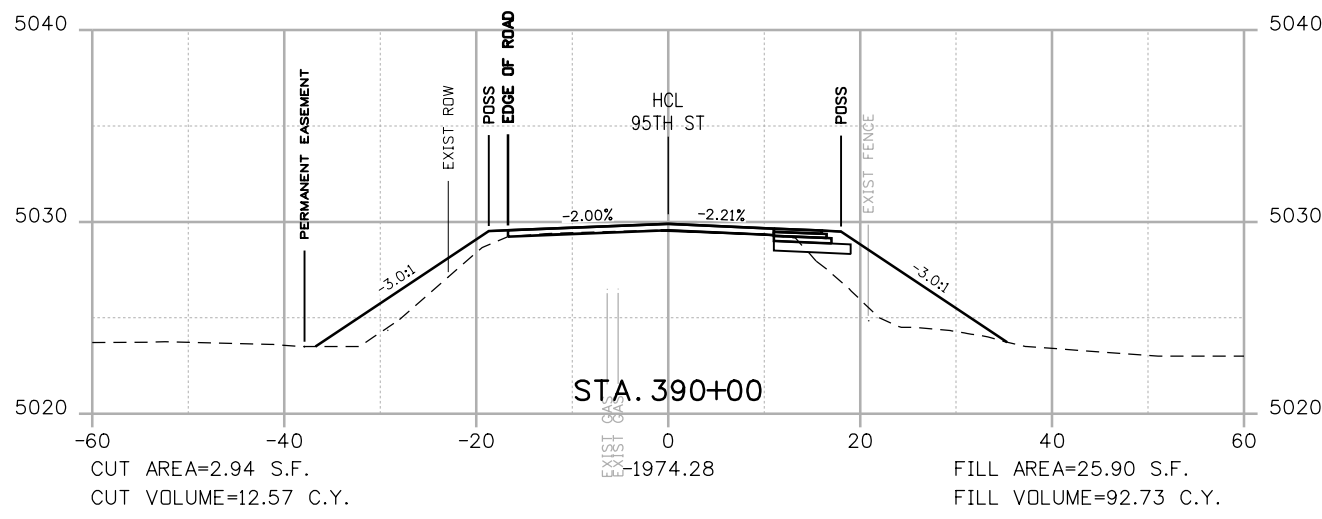
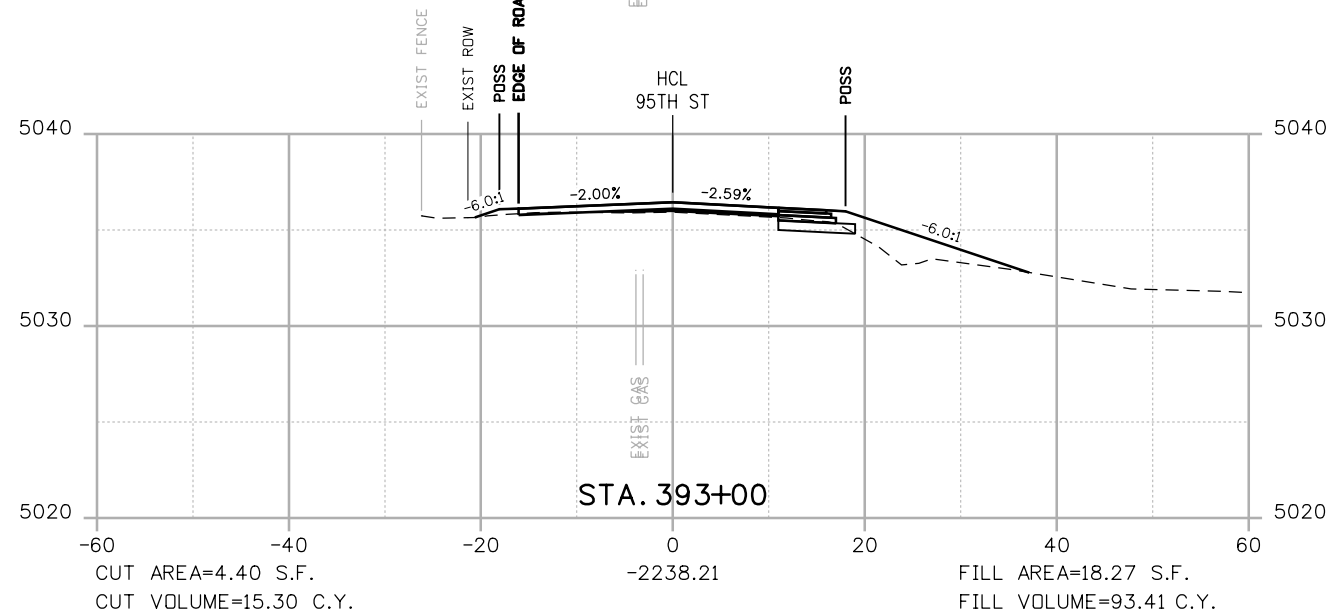
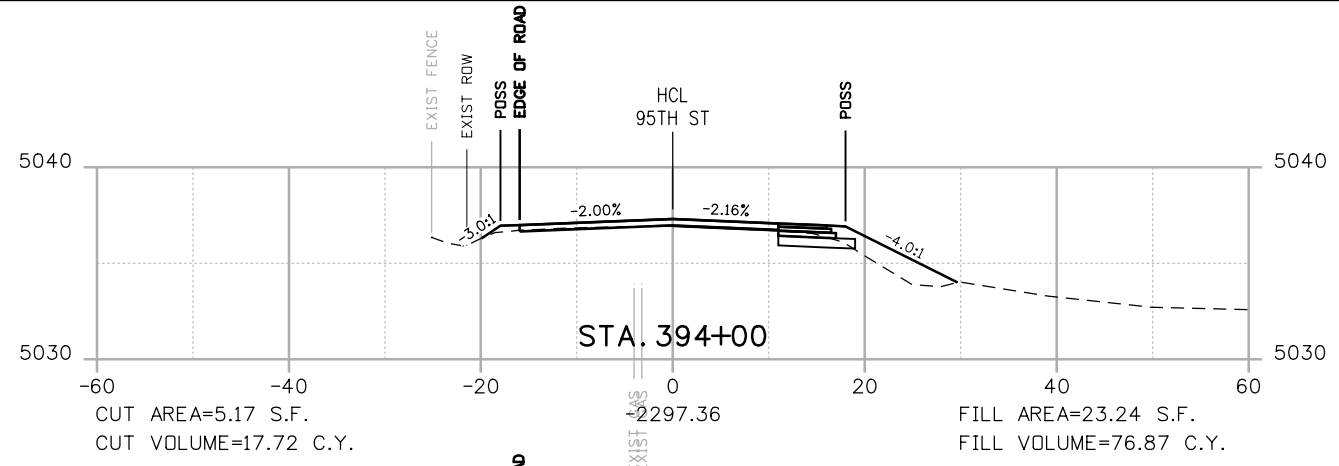
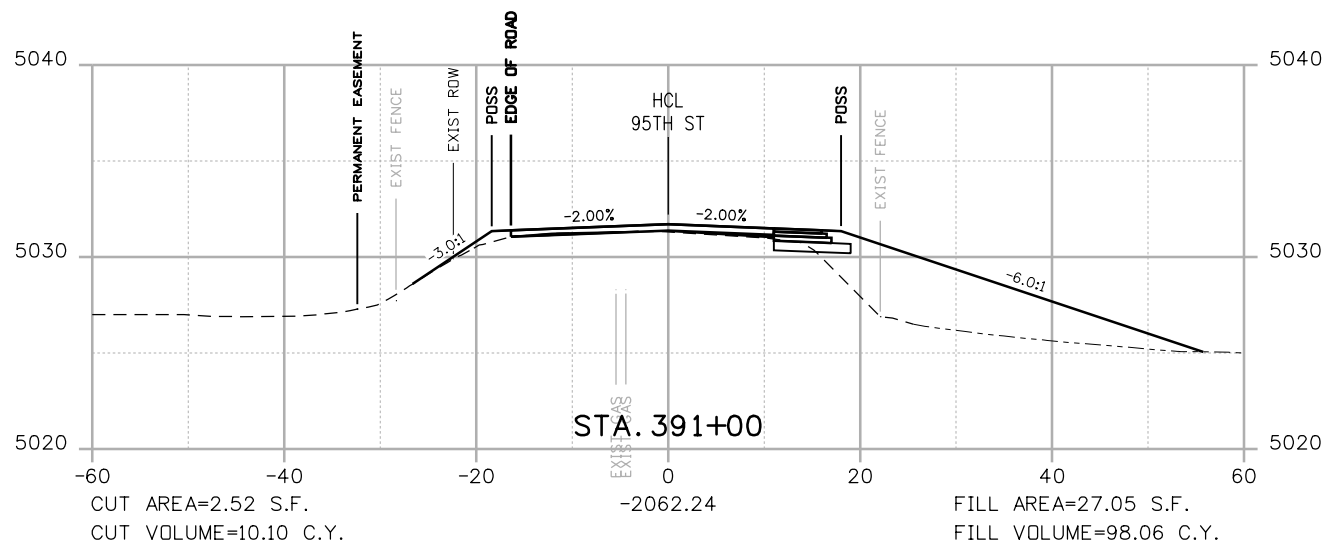
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95TH STREET CROSS SECTIONS

PROJECT NO: 74030 SHEET NO: X31

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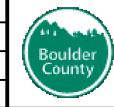
POSS
 --- GROUND SURVEY
 --- GROUND LIDAR
 --- PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
 CENTER OF COLORADO**
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



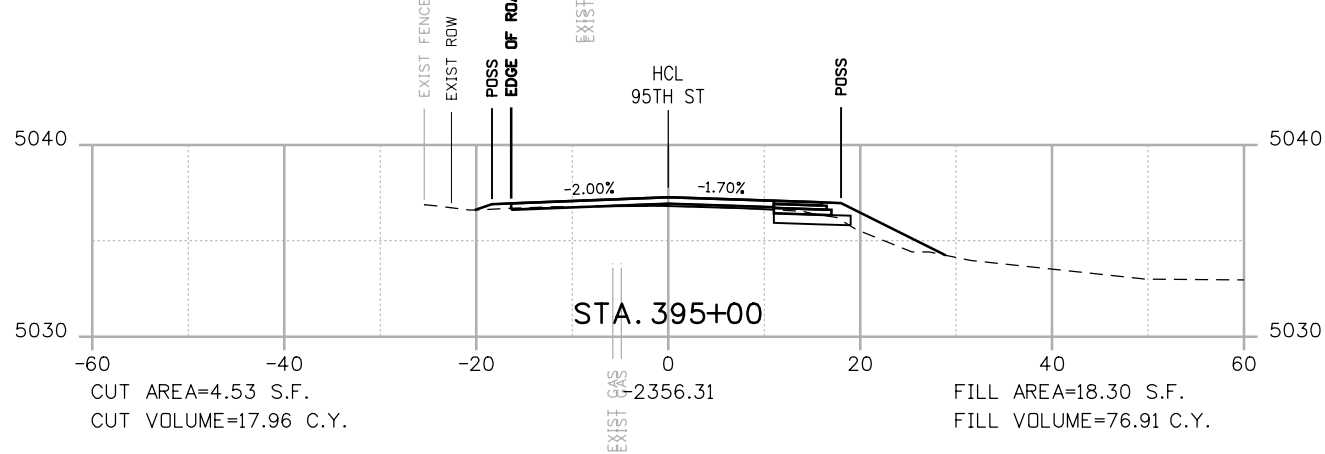
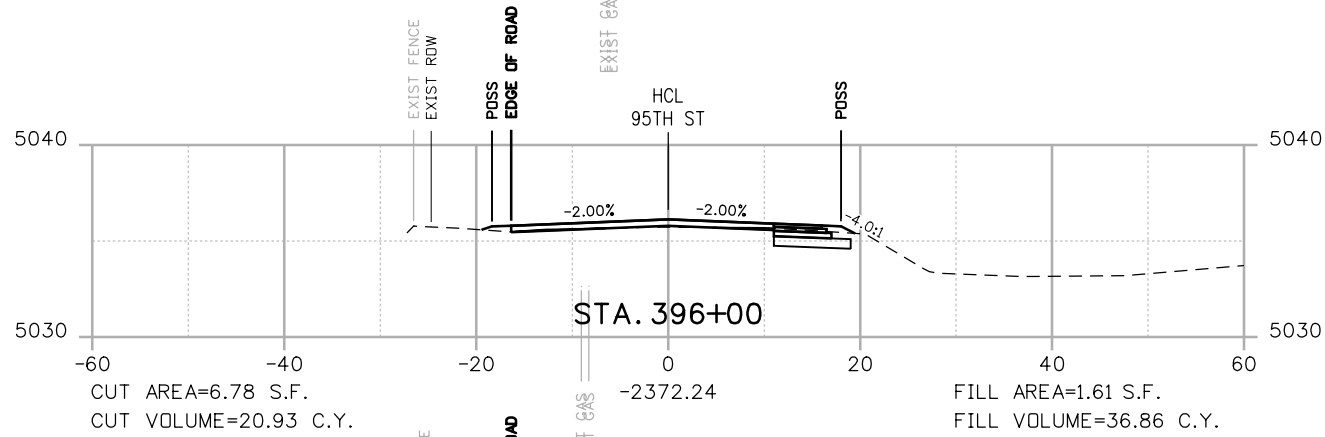
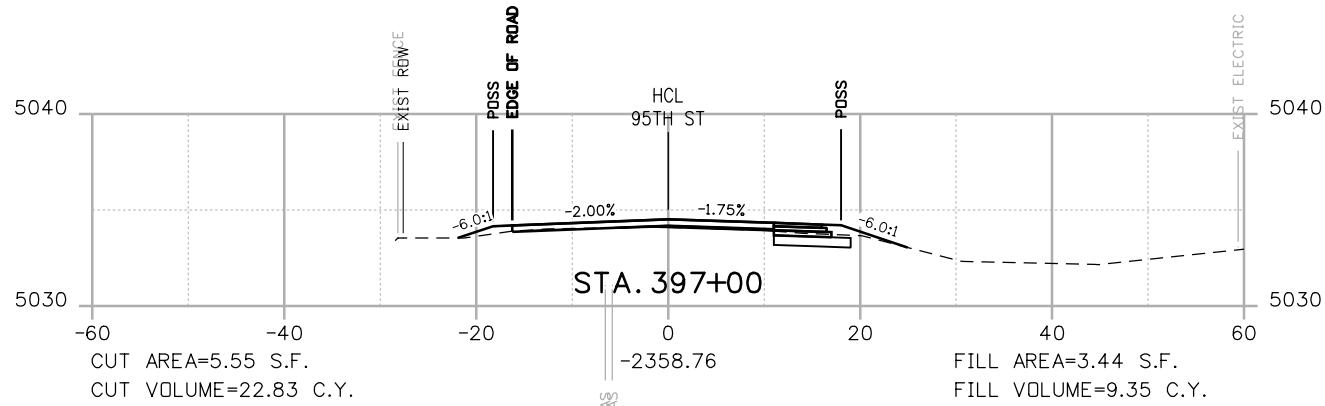
**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**
AECOM

DESIGNED: JTS
 CAD: MPR
 CHECKED: CDL
 DATE: 02/14/2019

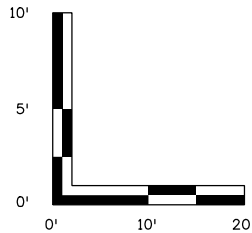
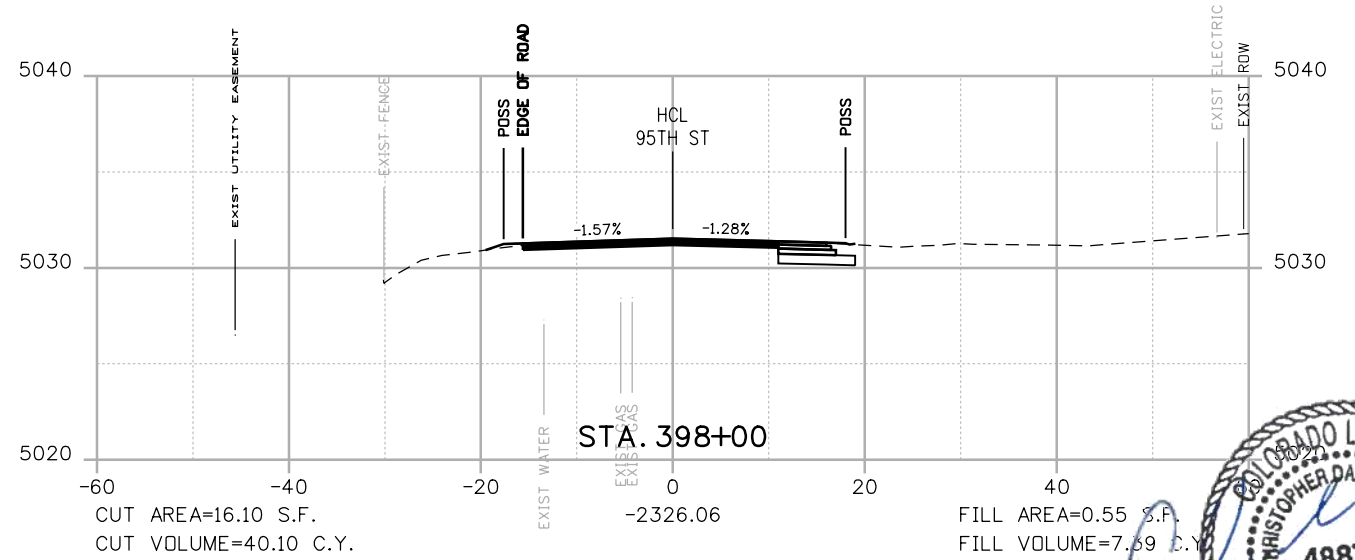
**95TH STREET
 CROSS SECTIONS**
 PROJECT NO: 74030
 SHEET NO: X32



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STA 398+40 to 414+00
MILL AND OVERLAY TO MATCH EXISTING
GRADE AND CROSS SLOPE



POSS
POINT OF SLOPE SELECTION
GROUND SURVEY
GROUND LIDAR
PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
CENTER OF COLORADO**
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**

DESIGNED: JTS
CAD: MPR
CHECKED: CDL
DATE: 02/14/2019

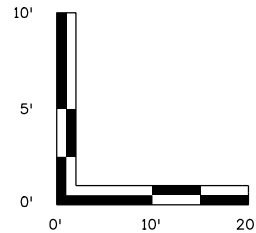
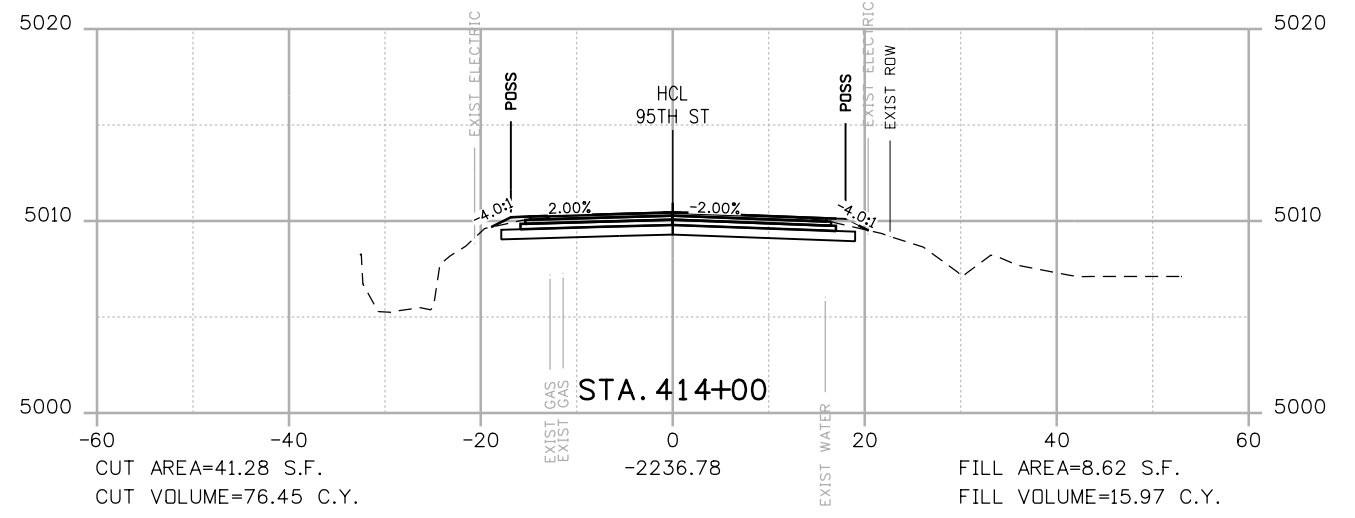


**95TH STREET
CROSS SECTIONS**

PROJECT NO: 74030
SHEET NO: X33

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STA 398+40 to 414+00
MILL AND OVERLAY TO MATCH EXISTING
GRADE AND CROSS SLOPE



POSS
POINT OF SLOPE SELECTION
GROUND SURVEY
GROUND LIDAR
PROPOSED GRADE

RFC

811
CALL UTILITY NOTIFICATION
CENTER OF COLORADO
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

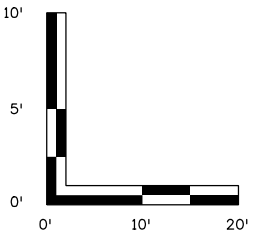
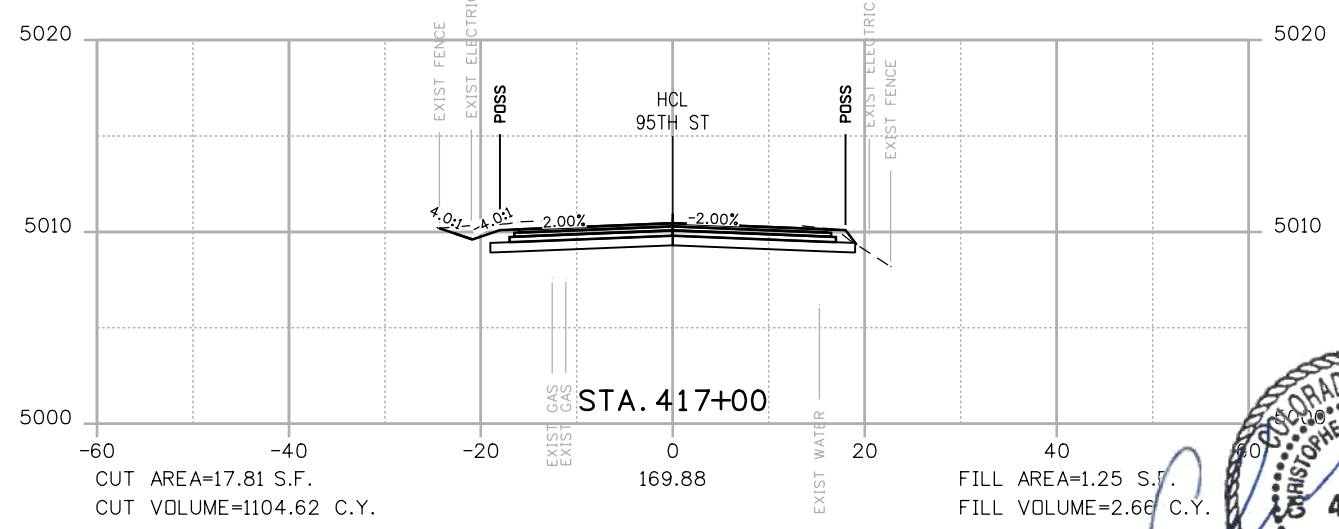
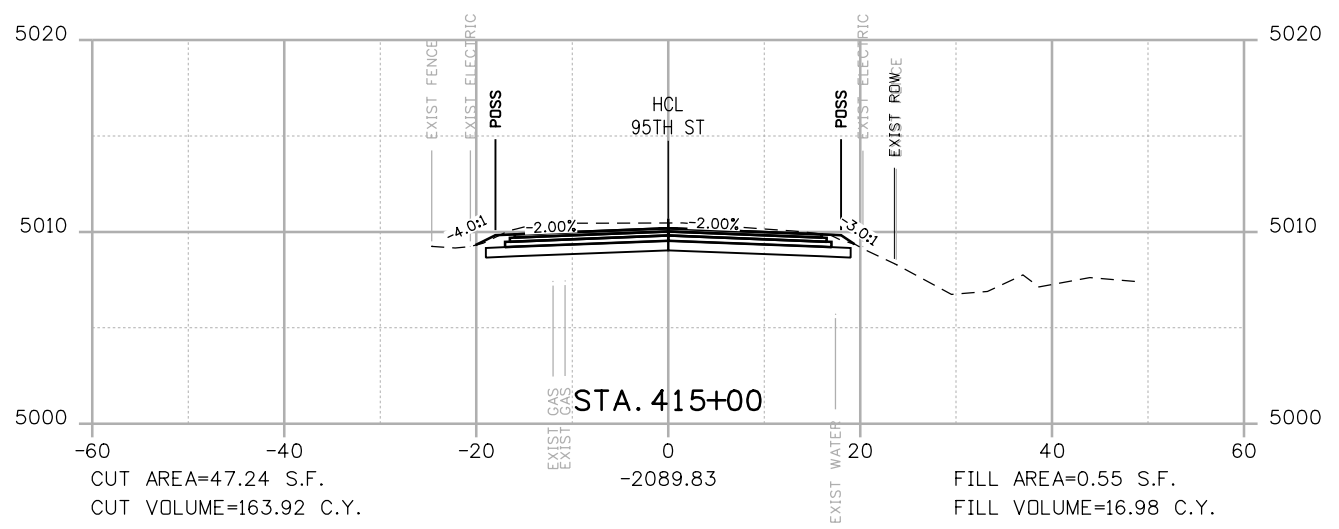
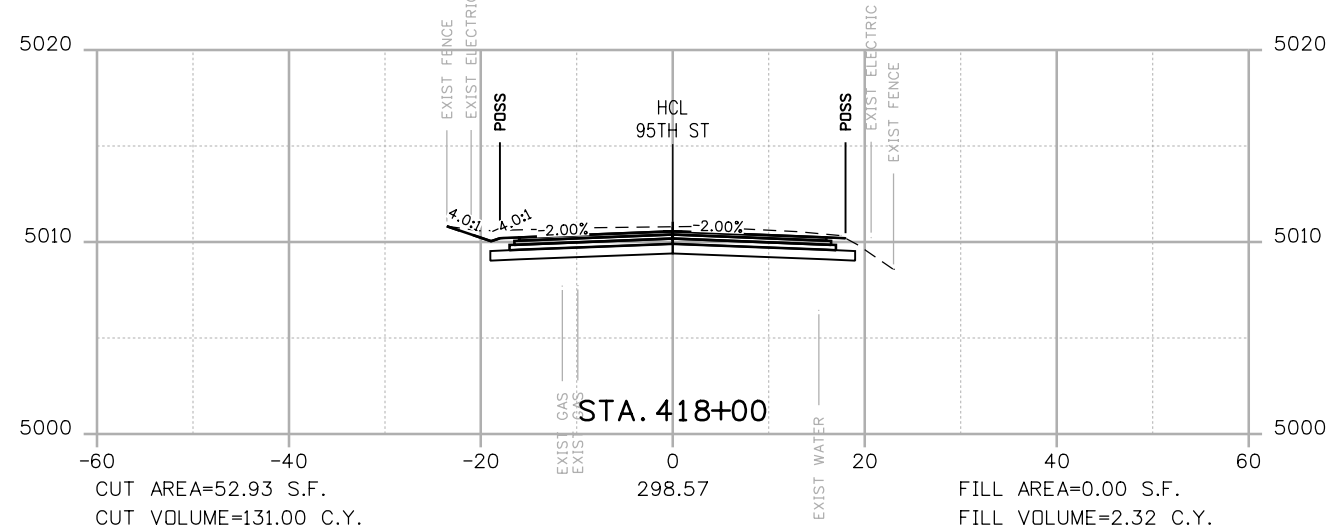
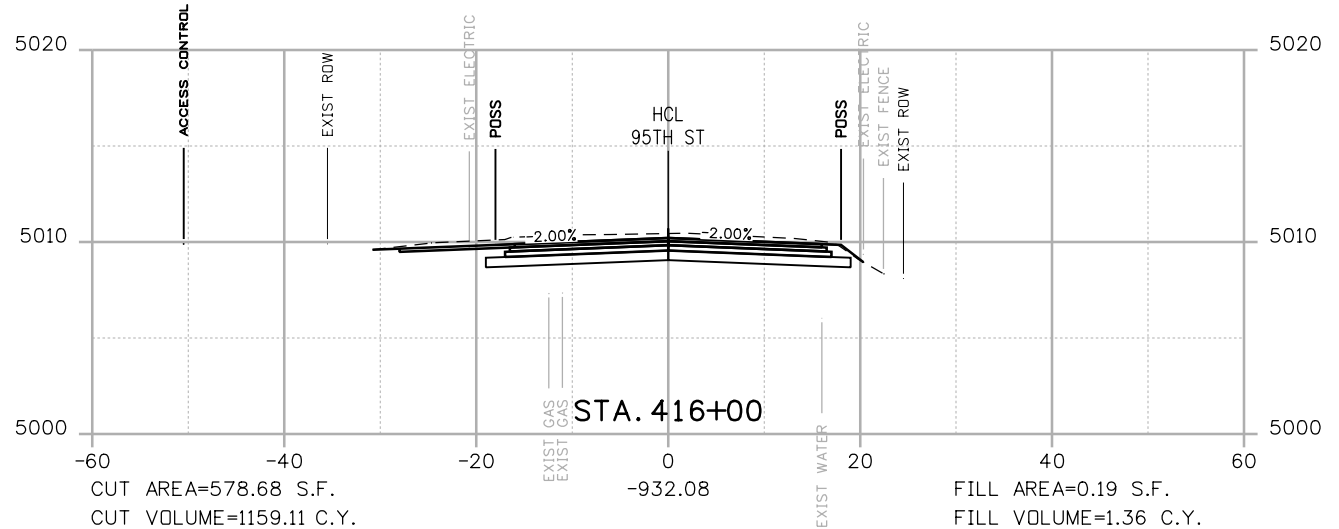
Boulder County
AECOM
BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

DESIGNED: JTS	CAD: MPR	CHECKED: CDL	DATE: 02/14/2019
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95TH STREET
CROSS SECTIONS
PROJECT NO: 74030 SHEET NO: X34

alison.lavery 2:04:44 PM p:\w\1617479-PWINT.aecomonline.local\AECOM_DSO1_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



--- POSS
 --- POINT OF SLOPE SELECTION
 --- GROUND SURVEY
 --- GROUND LIDAR
 --- PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
 CENTER OF COLORADO**
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

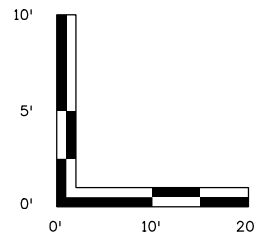
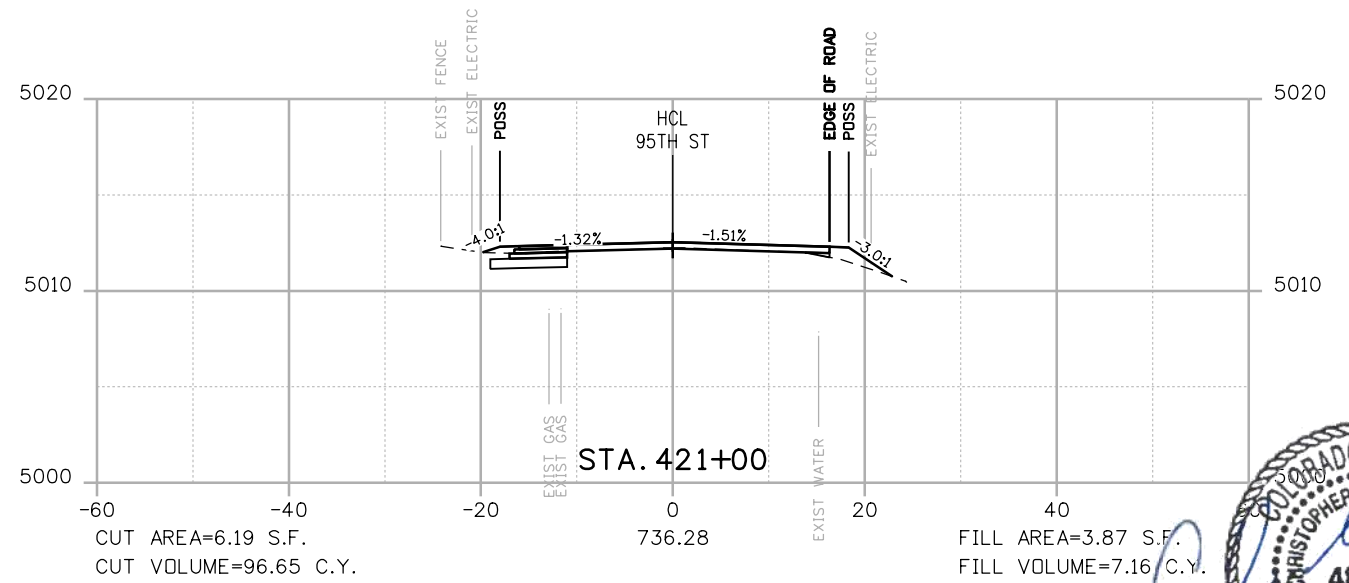
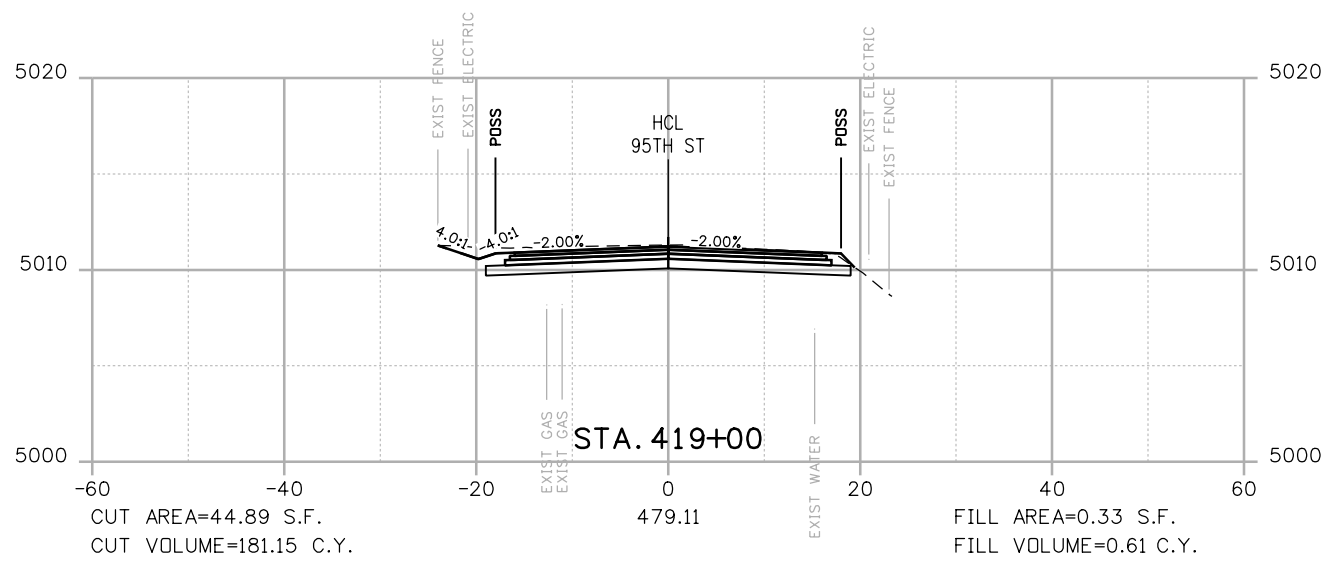
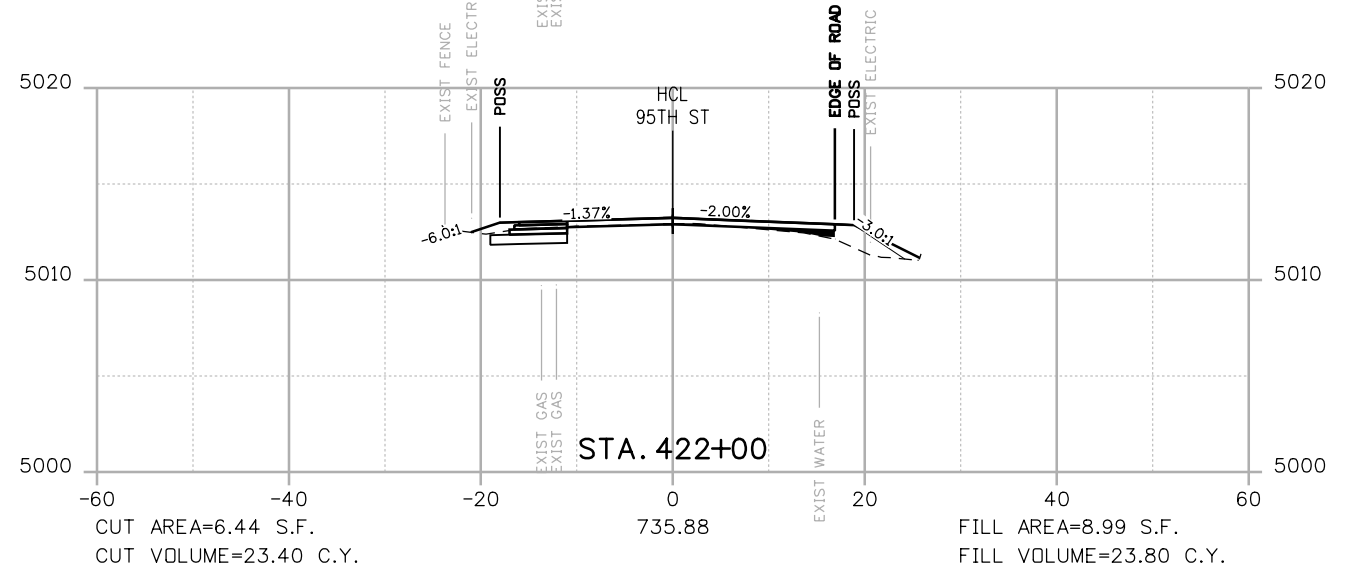
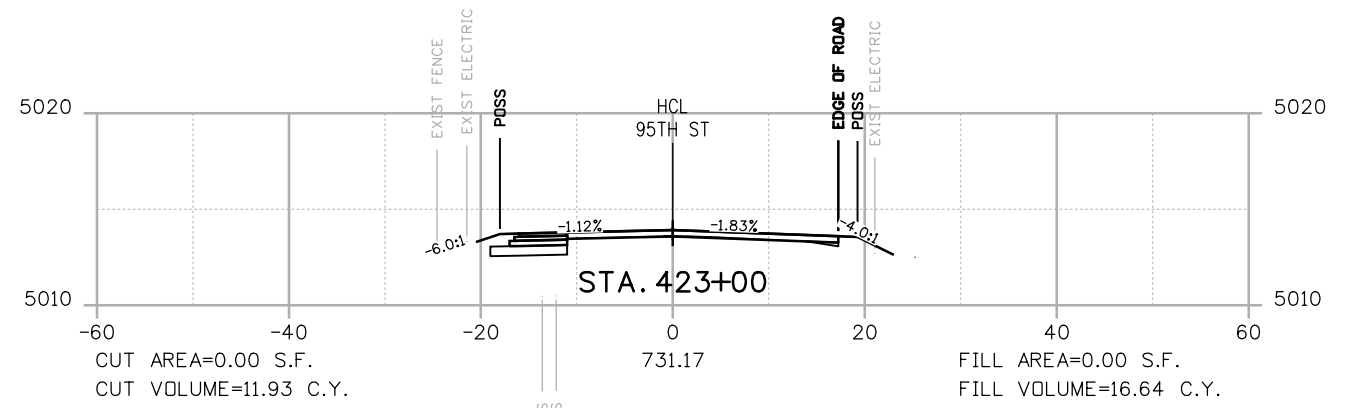
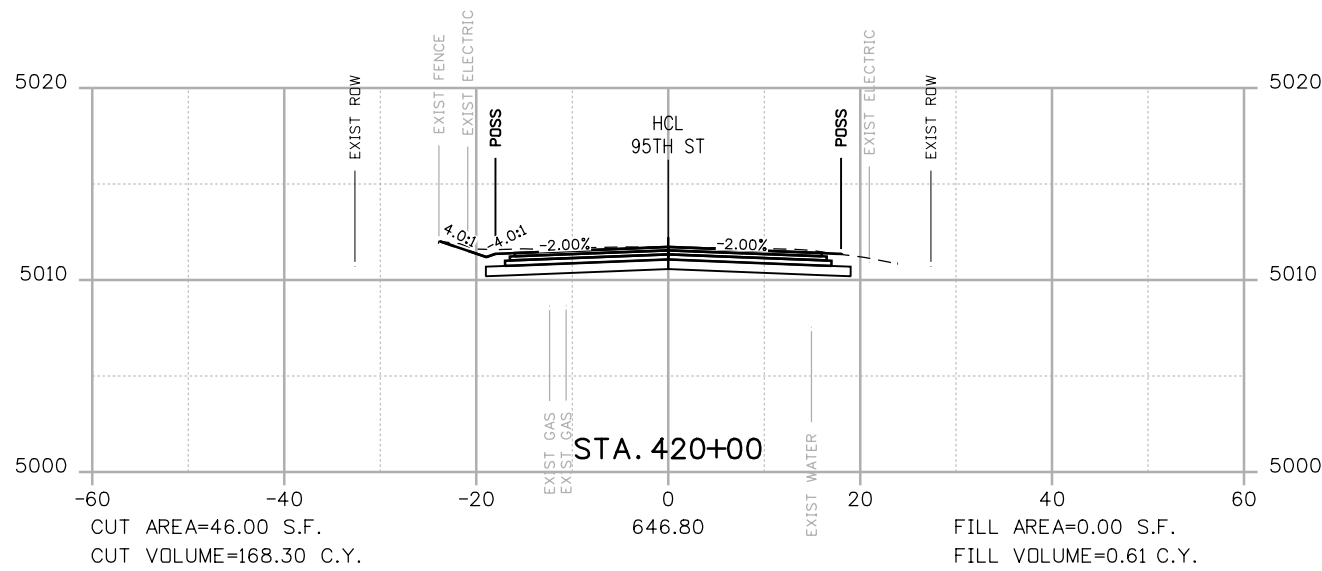


**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**
AECOM
 DESIGNED: JTS CAD: MPR CHECKED: CDL DATE: 02/14/2019

**95TH STREET
 CROSS SECTIONS**
 PROJECT NO: 74030 SHEET NO: X35



alison.lavery 2:04:50 PM p:\617479-PWINT.aecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



POSS
 --- POINT OF SLOPE SELECTION
 --- GROUND SURVEY
 --- GROUND LIDAR
 --- PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
 CENTER OF COLORADO**
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

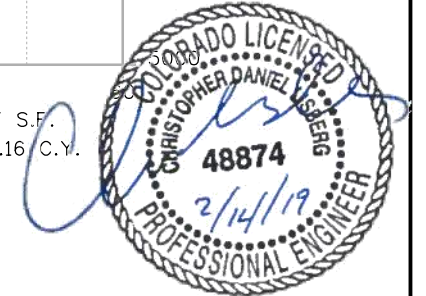
NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**



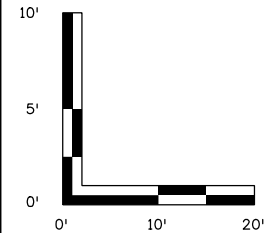
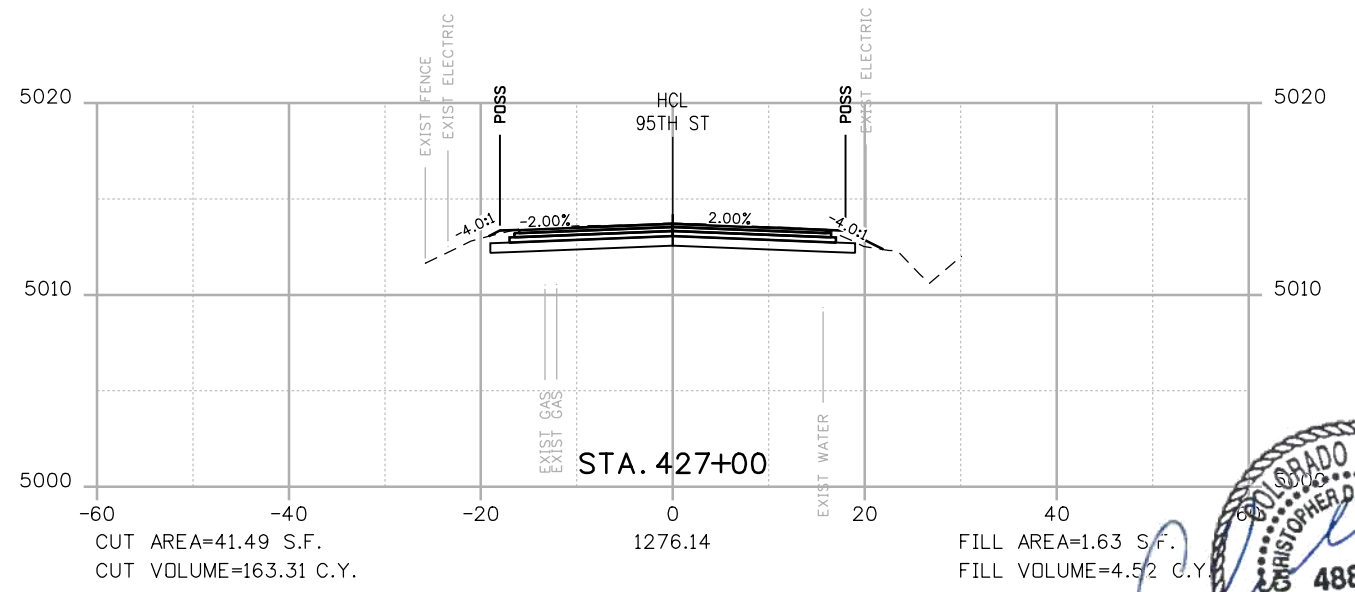
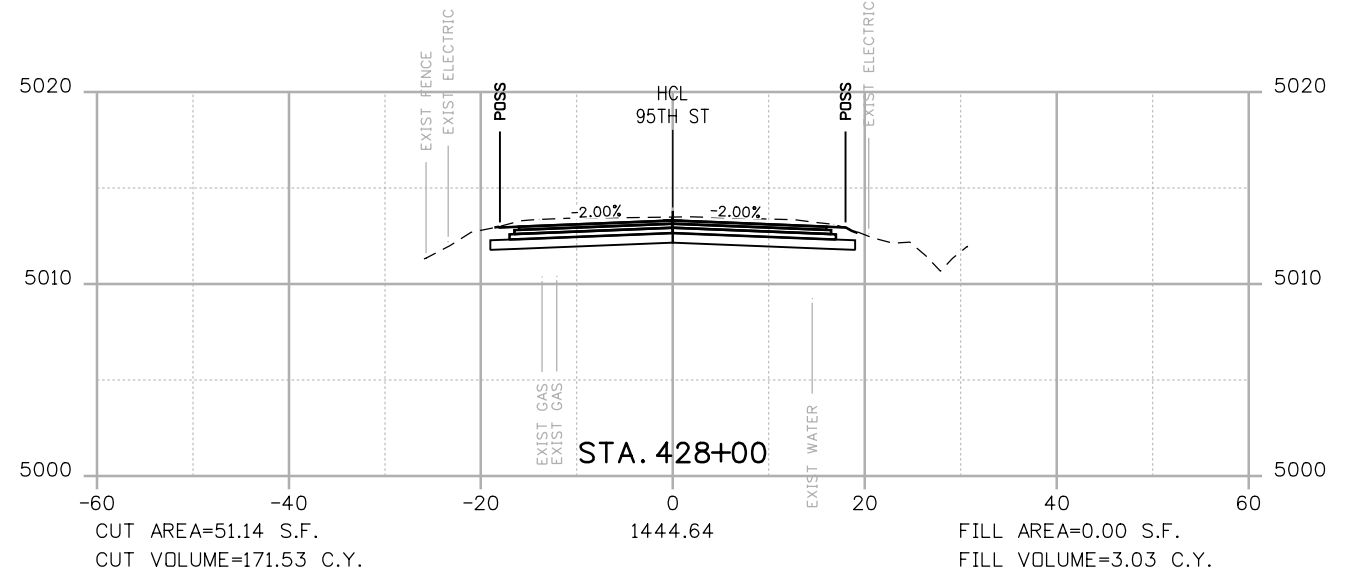
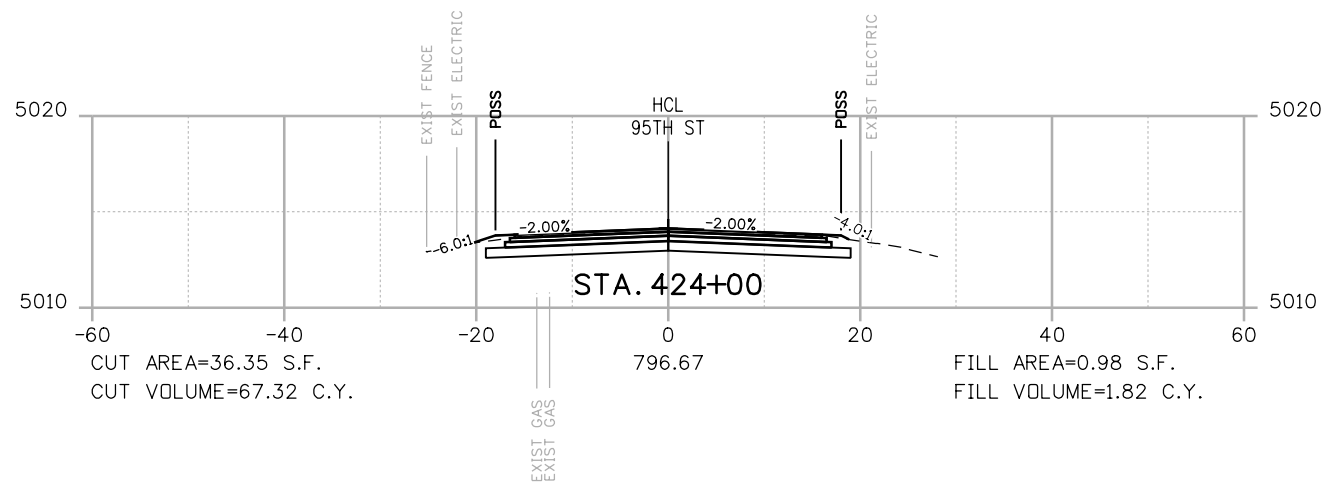
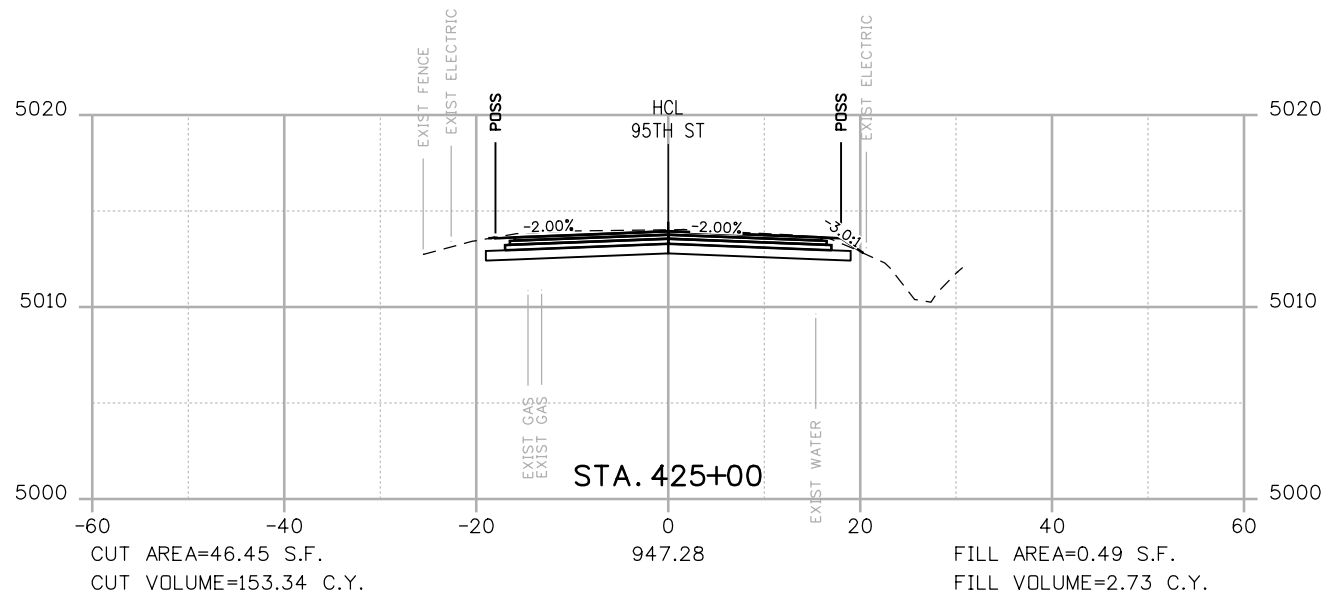
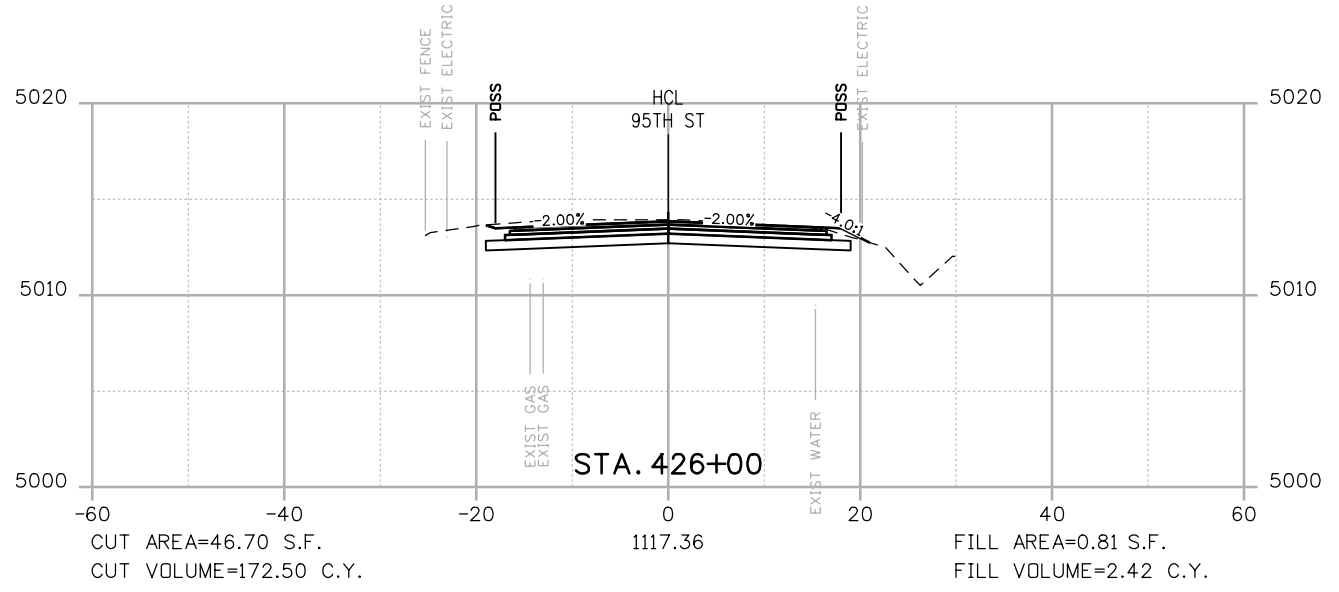
DESIGNED: JTS	CAD: MPR	CHECKED: CDL	DATE: 02/14/2019
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**95TH STREET
 CROSS SECTIONS**

PROJECT NO: 74030 SHEET NO: X36

alison.lavery 2:04:58 PM p:\617479-PWINT.aecomonline.local\AECOM_DS01_NA\Documents\60492318-95th St Reconstruction\900 Work\910 CAD\02 SHEETS\02_Roadway\Segment 2\95_Street_X-sec_Seg2.dgn



POSS
 POINT OF SLOPE SELECTION
 GROUND SURVEY
 GROUND LIDAR
 PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
 CENTER OF COLORADO**
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:

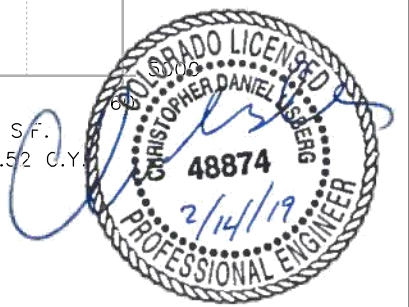


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 ENGINEERING DIVISION**



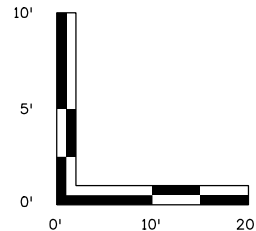
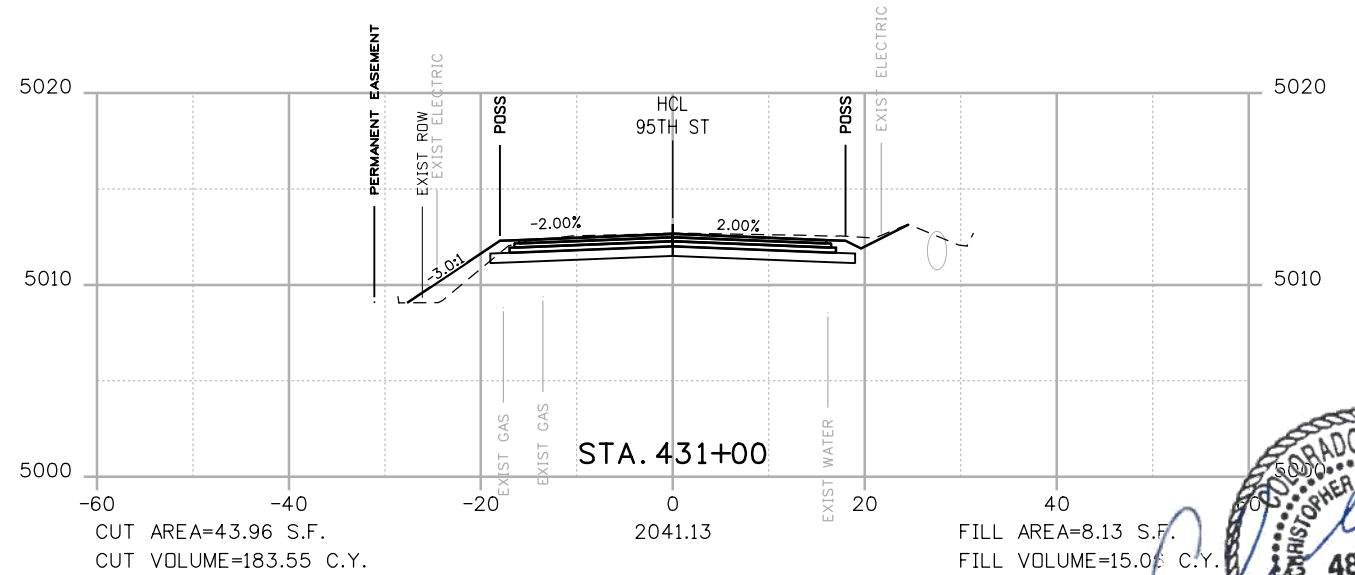
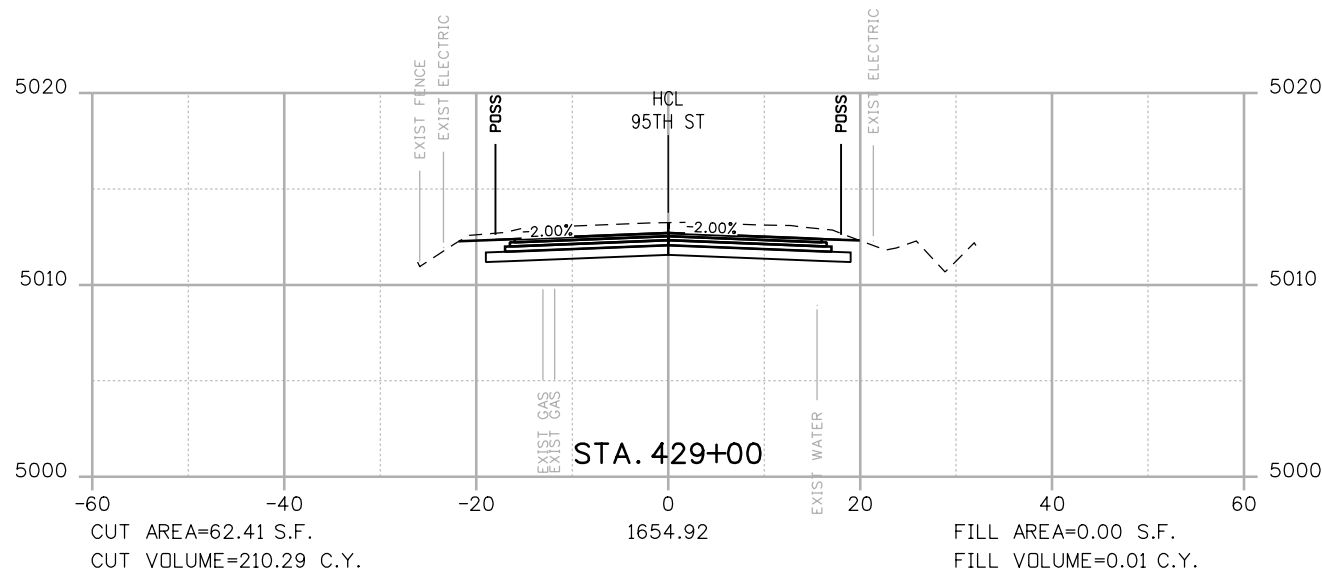
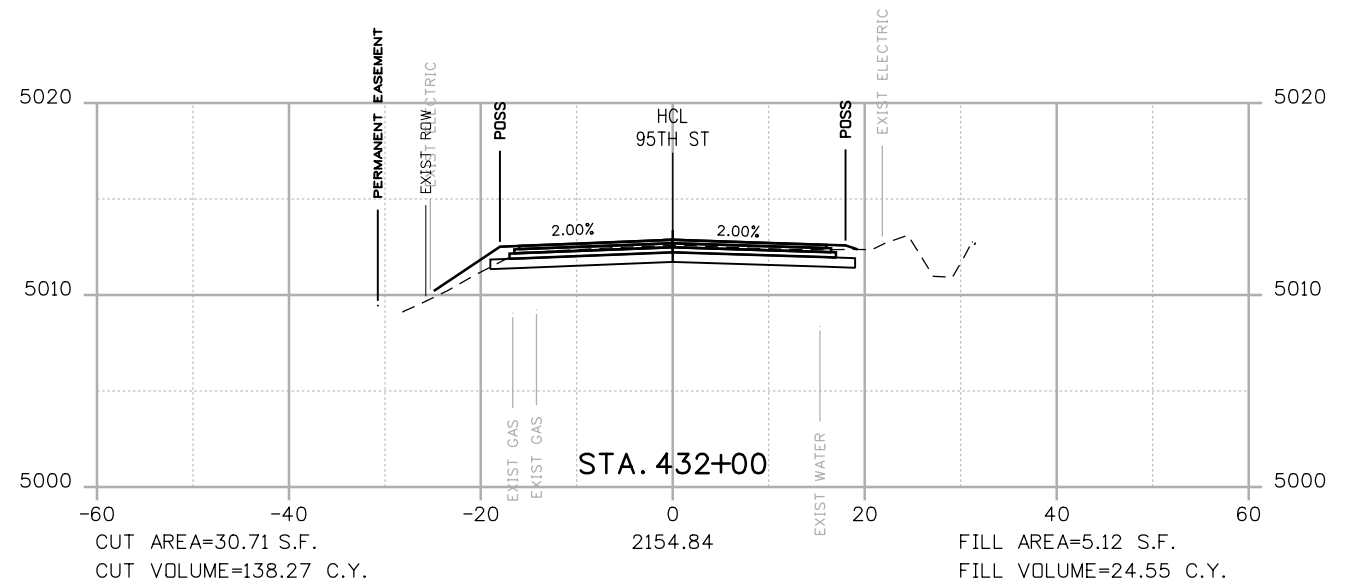
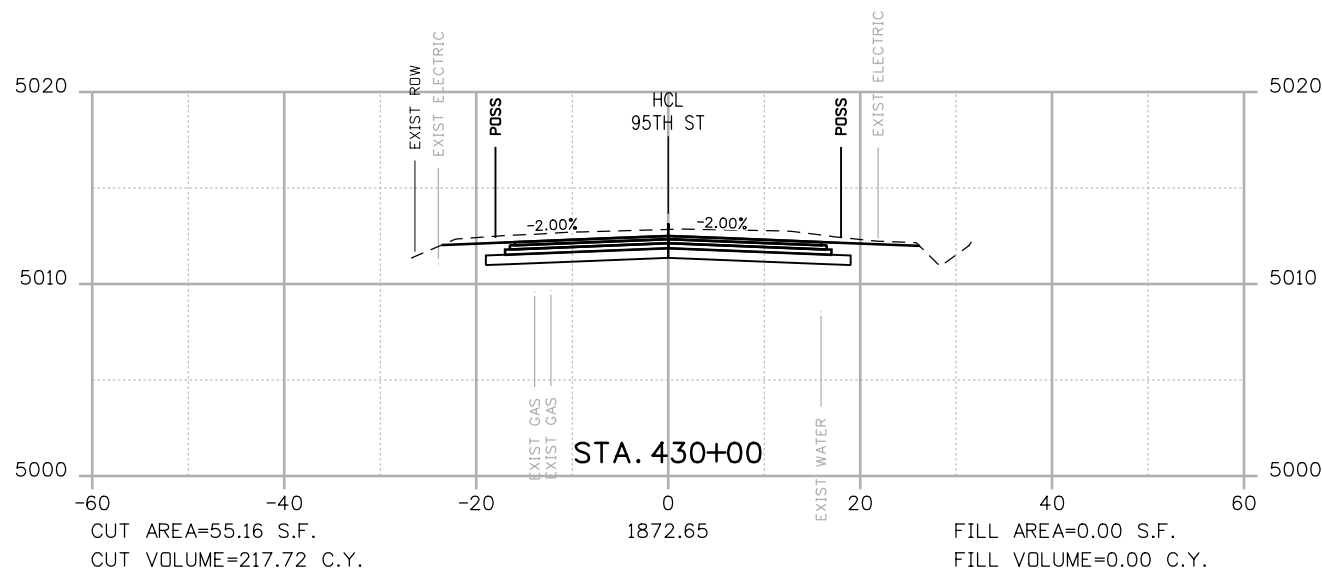
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 CAD: MPR
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PROJECT NO: 74030 SHEET NO: X37



**95TH STREET
 CROSS SECTIONS**

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POSS
 --- POINT OF SLOPE SELECTION
 --- GROUND SURVEY
 --- GROUND LIDAR
 --- PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
 CENTER OF COLORADO**
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



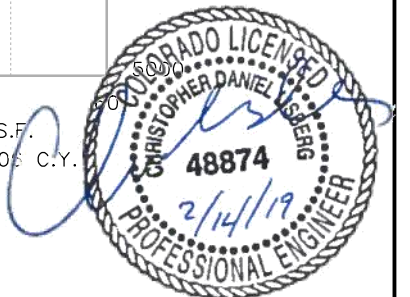
**BOULDER COUNTY TRANSPORTATION DEPARTMENT
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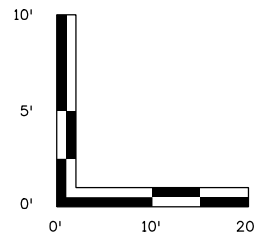
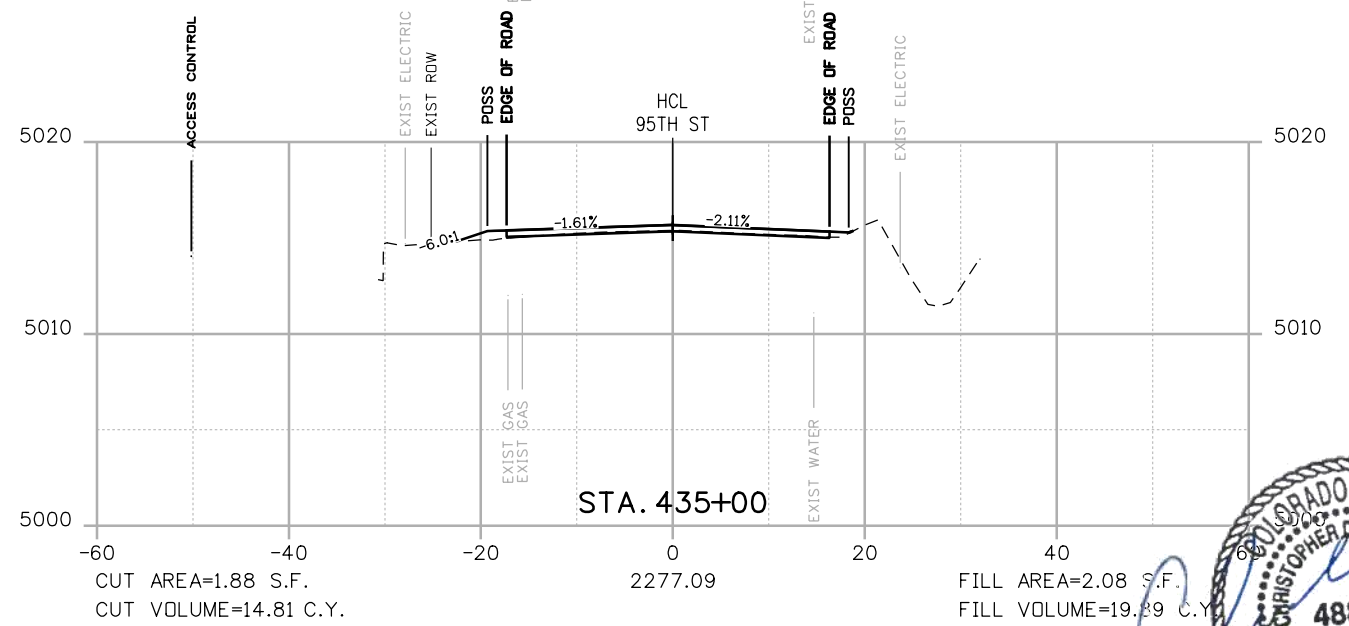
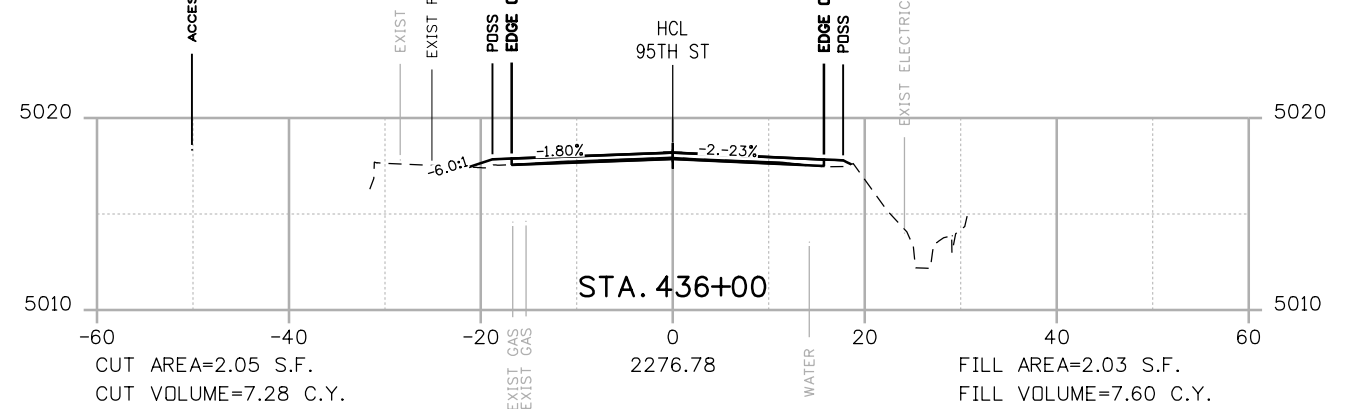
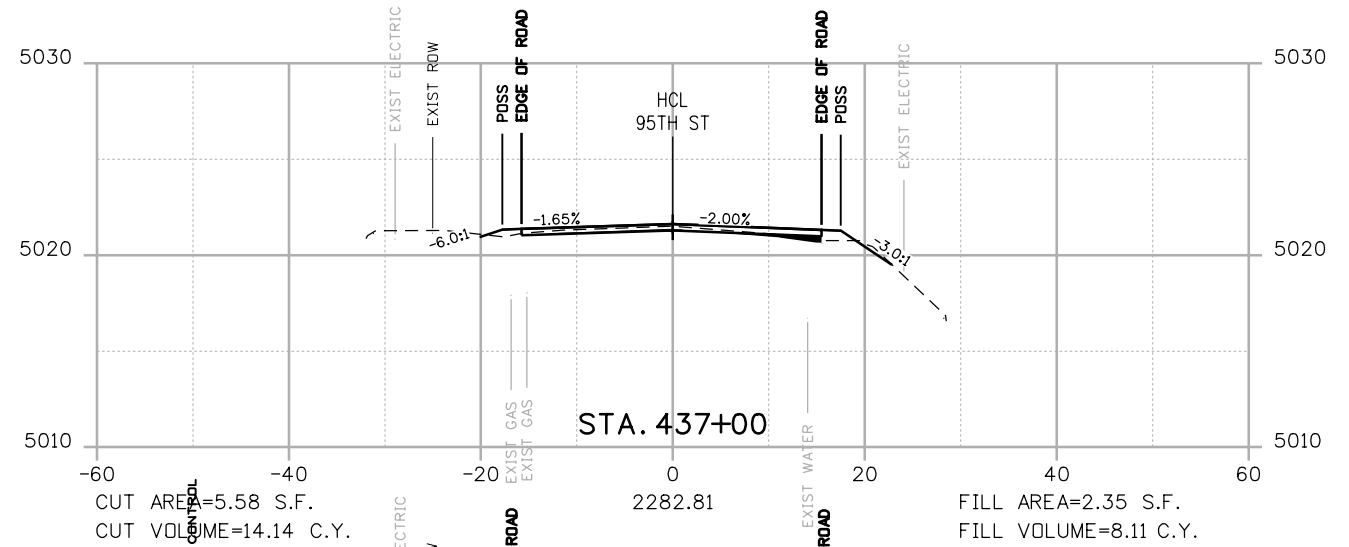
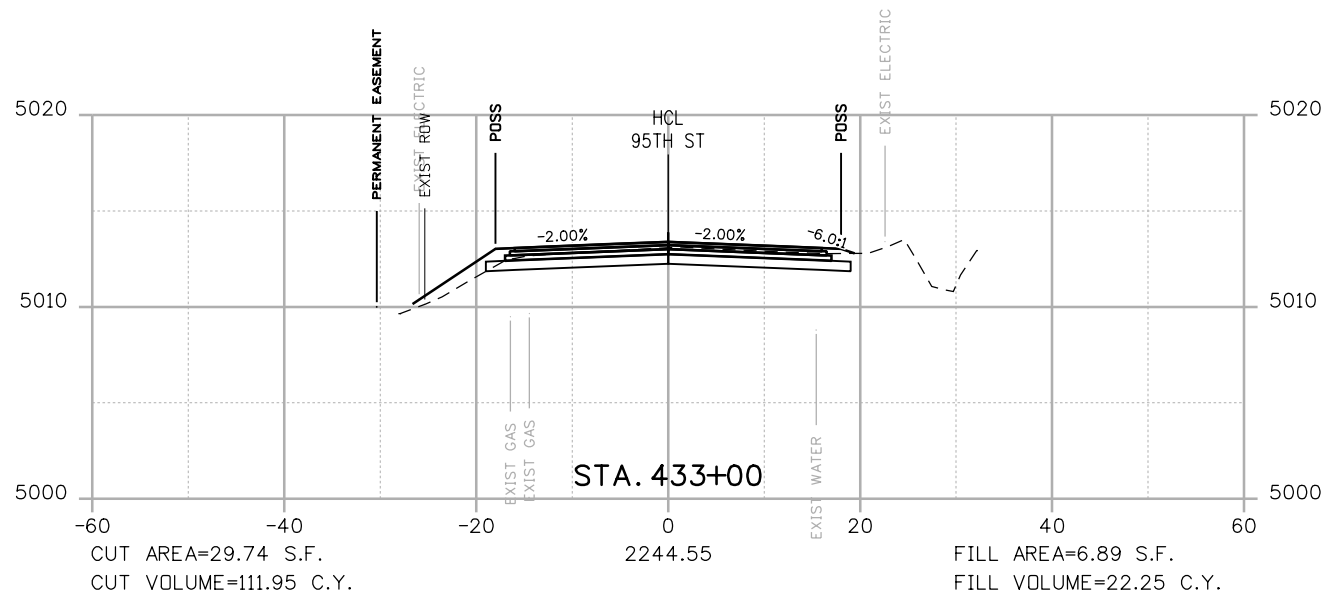
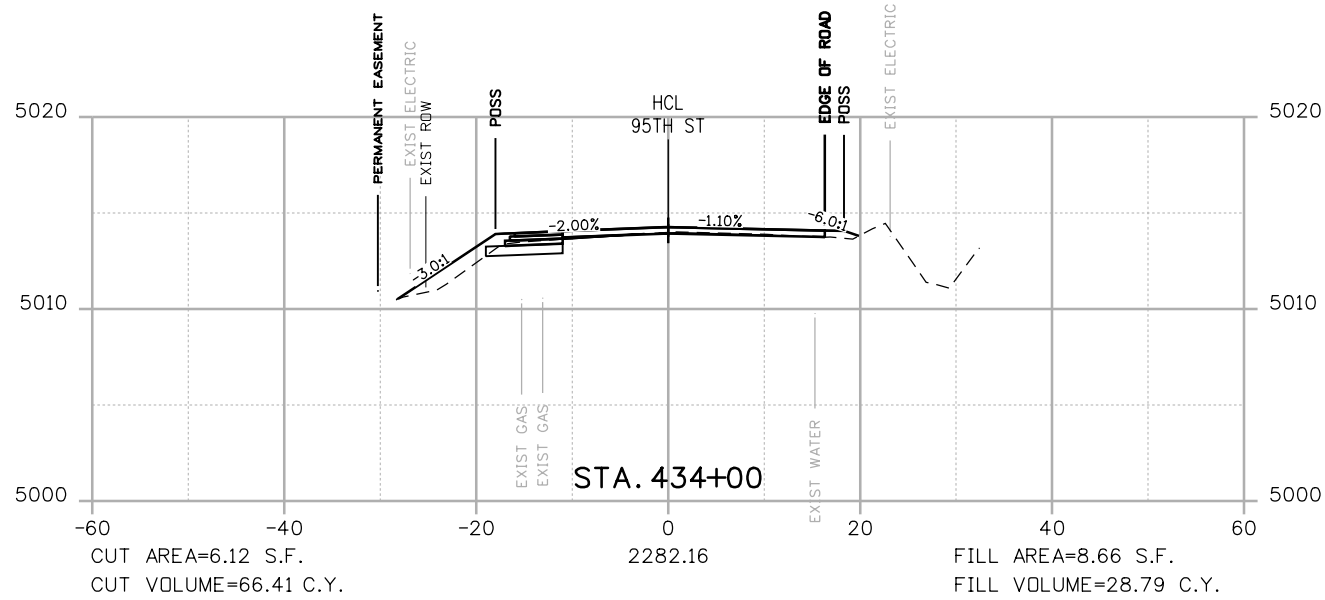
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**95TH STREET
 CROSS SECTIONS**

PROJECT NO: 74030 SHEET NO: X38



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POSS
 --- GROUND SURVEY
 --- GROUND LIDAR
 --- PROPOSED GRADE

RFC



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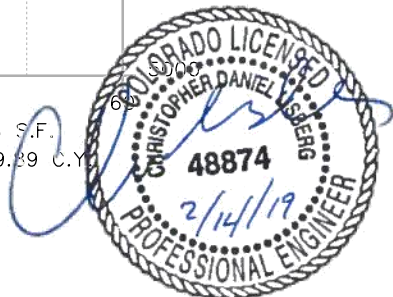
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 ENGINEERING DIVISION**

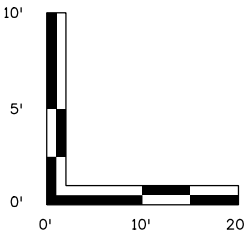
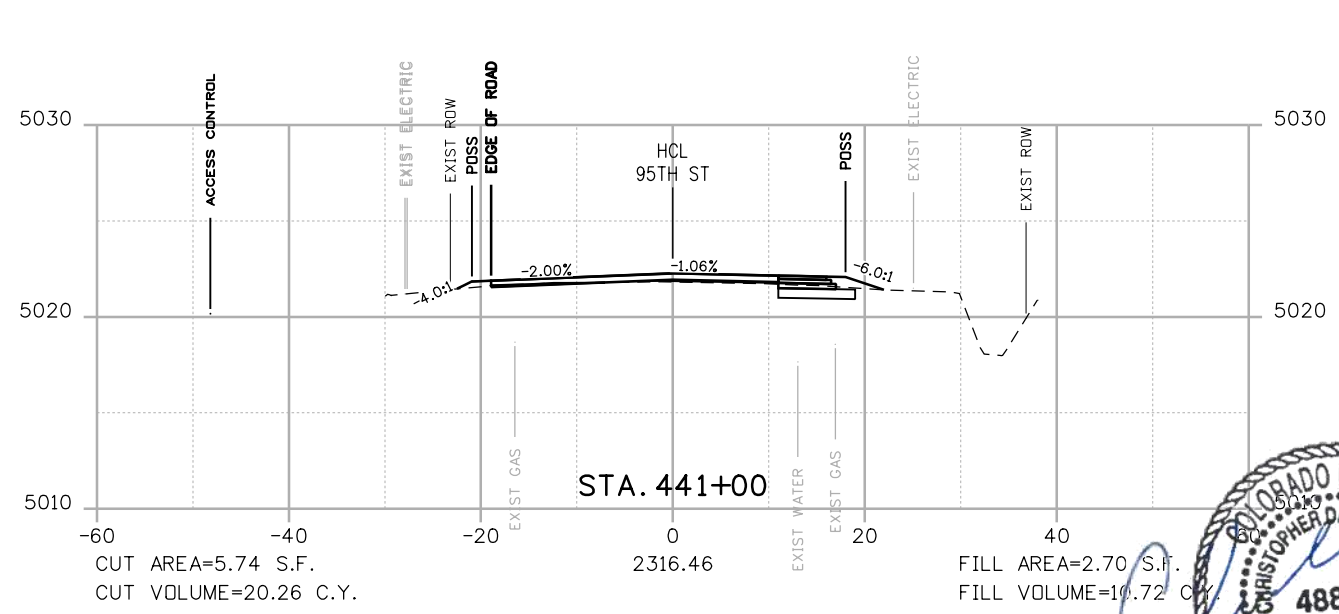
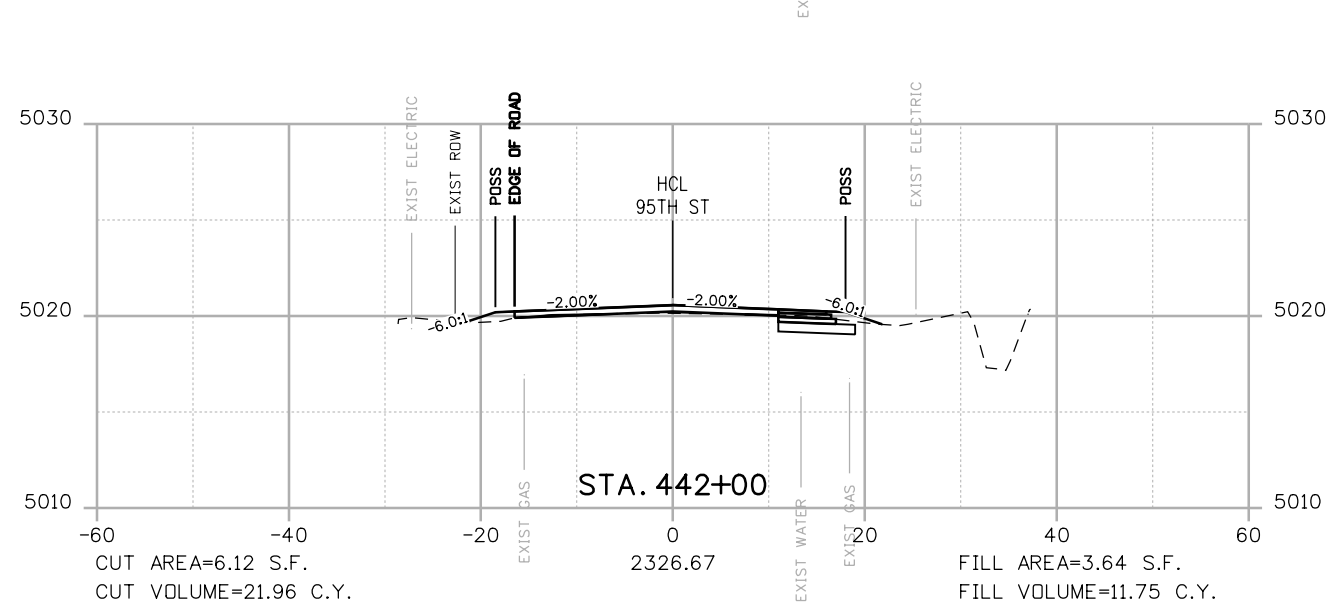
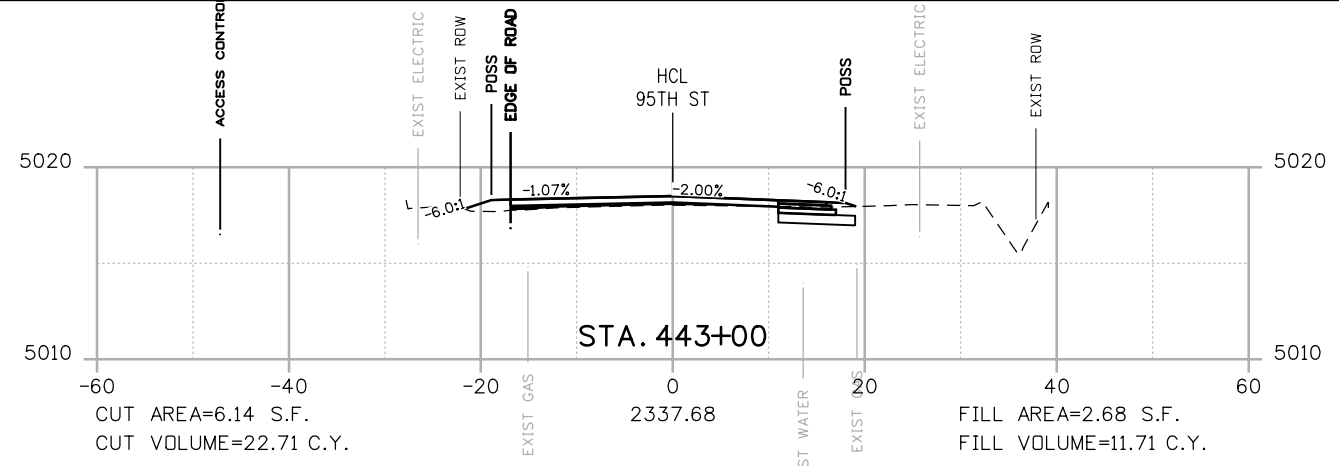
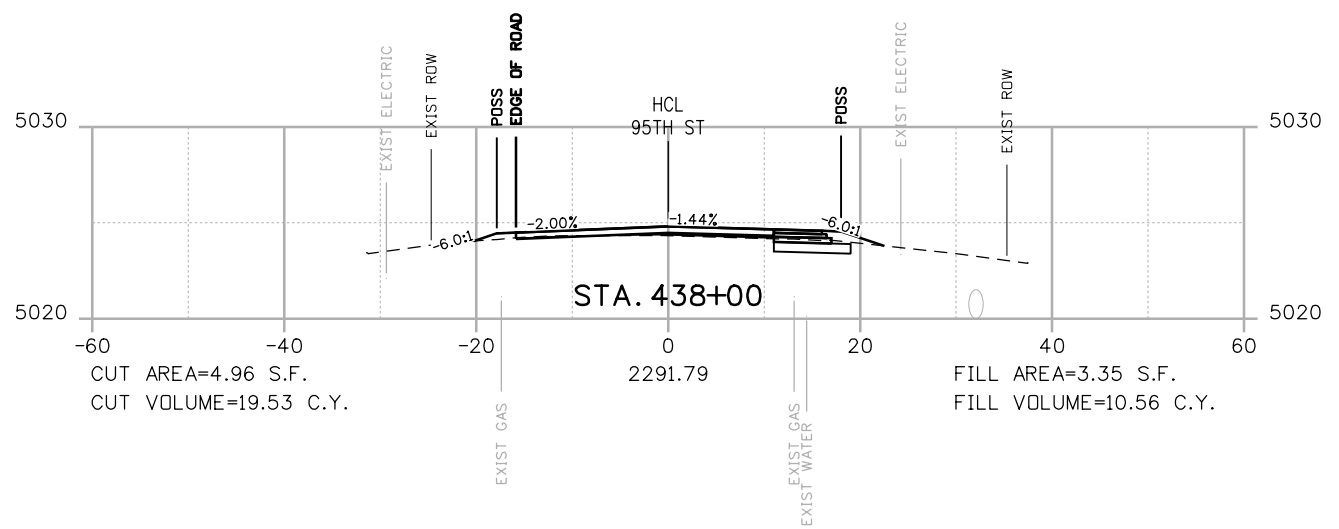
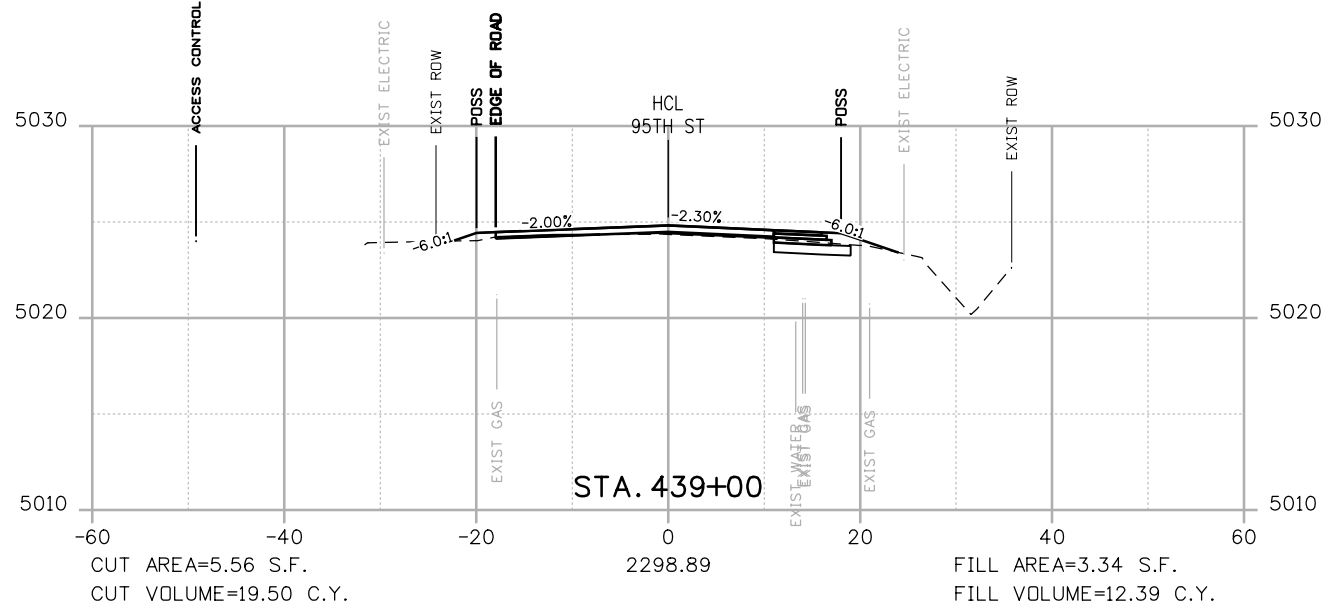
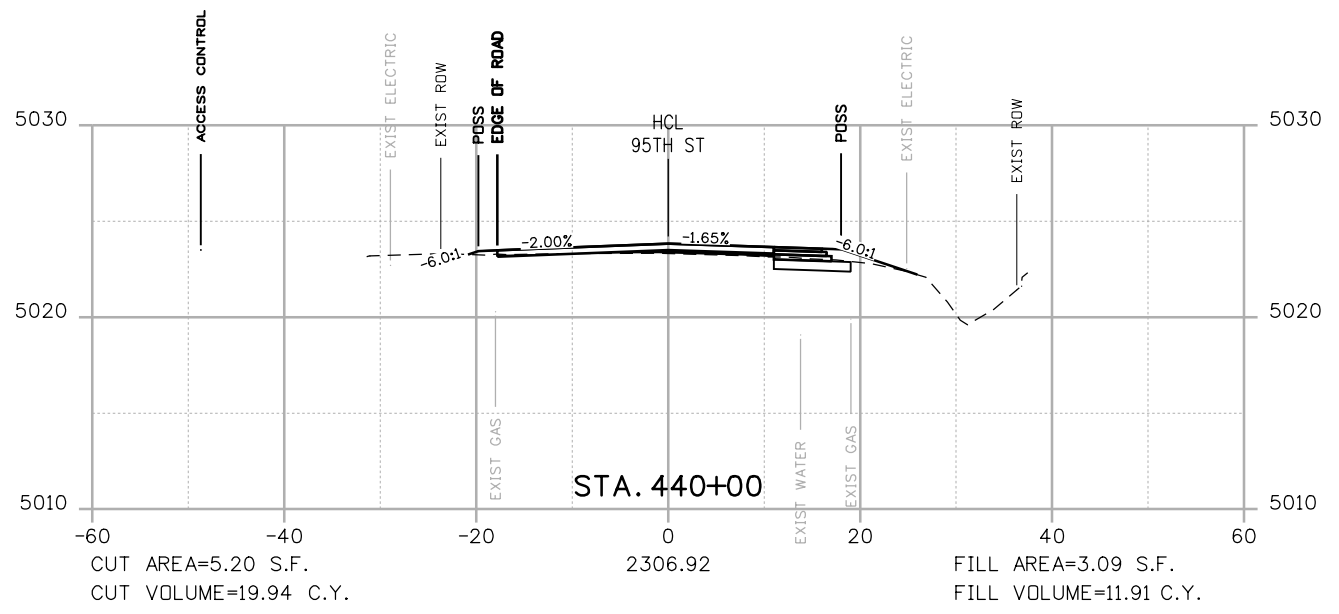


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 CAD: MPR
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 DATE: 02/14/2019



**95TH STREET
 CROSS SECTIONS**
 PROJECT NO: 74030
 SHEET NO: X39

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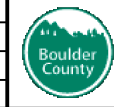
POSS
 --- POINT OF SLOPE SELECTION
 --- GROUND SURVEY
 --- GROUND LIDAR
 --- PROPOSED GRADE

RFC



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 MEMBER UTILITIES

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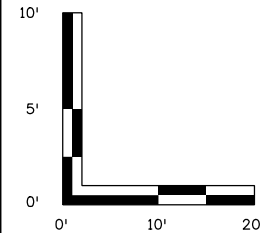
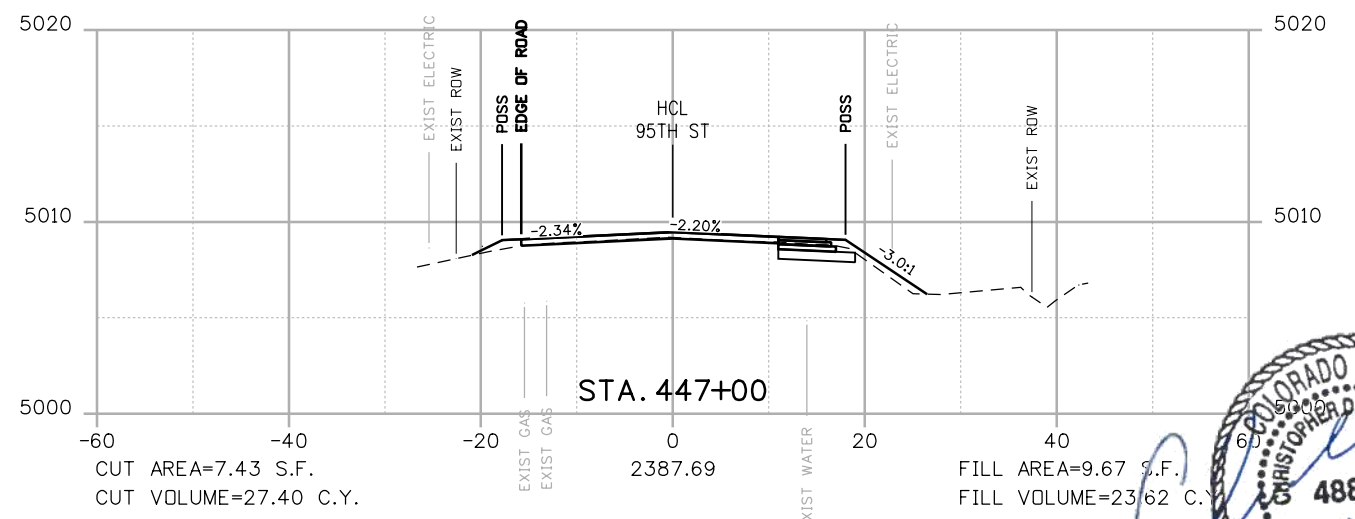
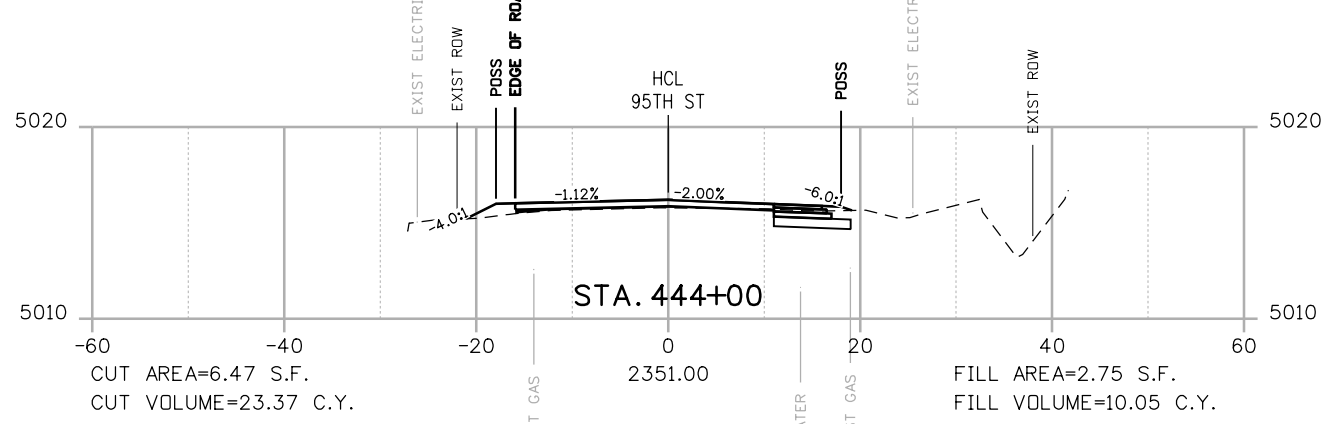
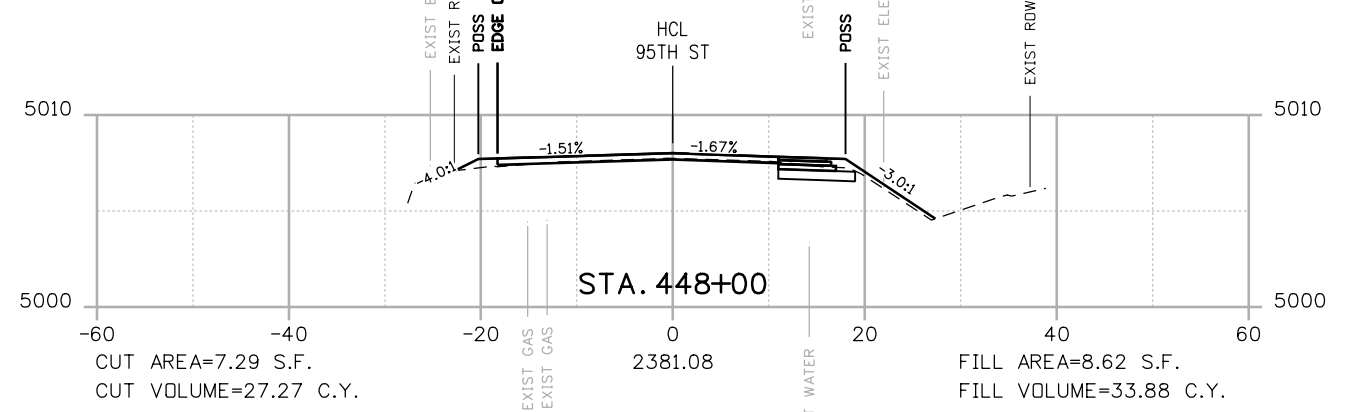
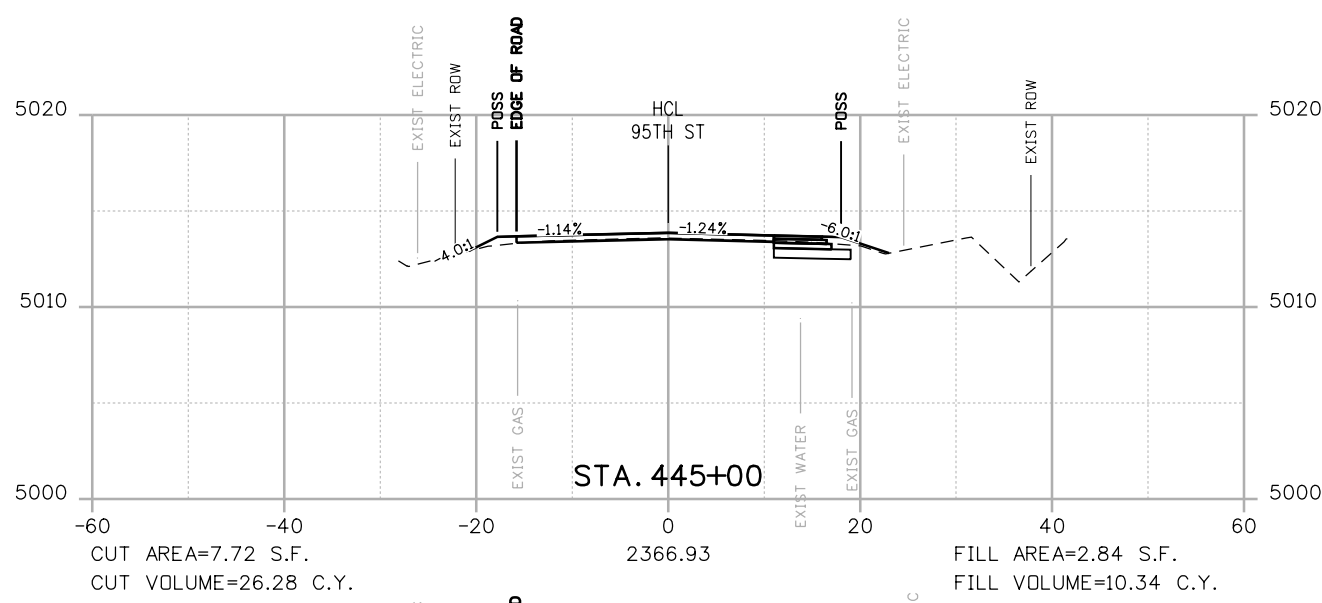
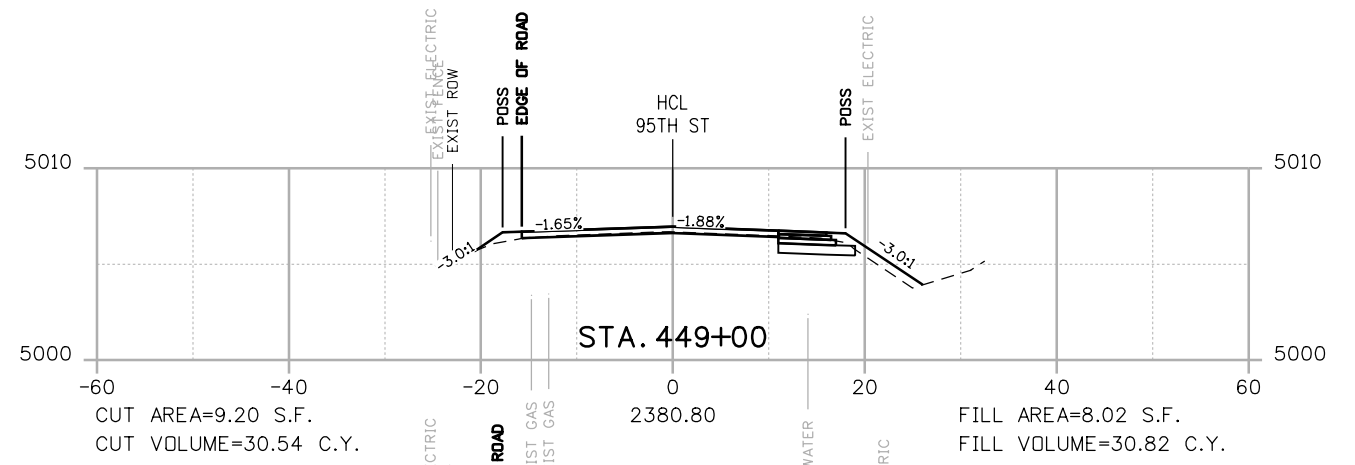
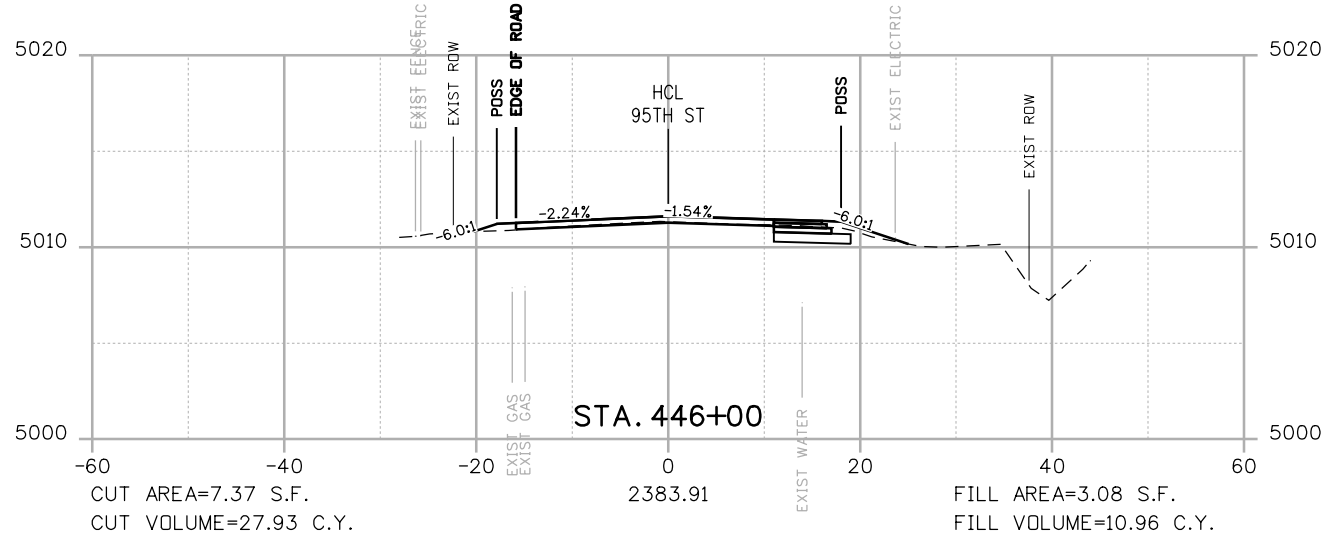


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 ENGINEERING DIVISION**
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**95TH STREET
 CROSS SECTIONS**
 PROJECT NO: 74030
 SHEET NO: X40

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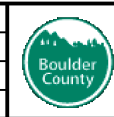
POSS
 POINT OF SLOPE SELECTION
 GROUND SURVEY
 GROUND LIDAR
 PROPOSED GRADE

RFC



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NO.	DATE	REVISION DESCRIPTION:

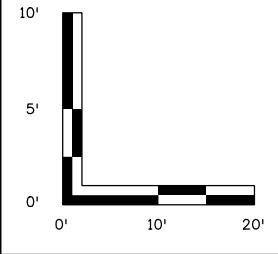
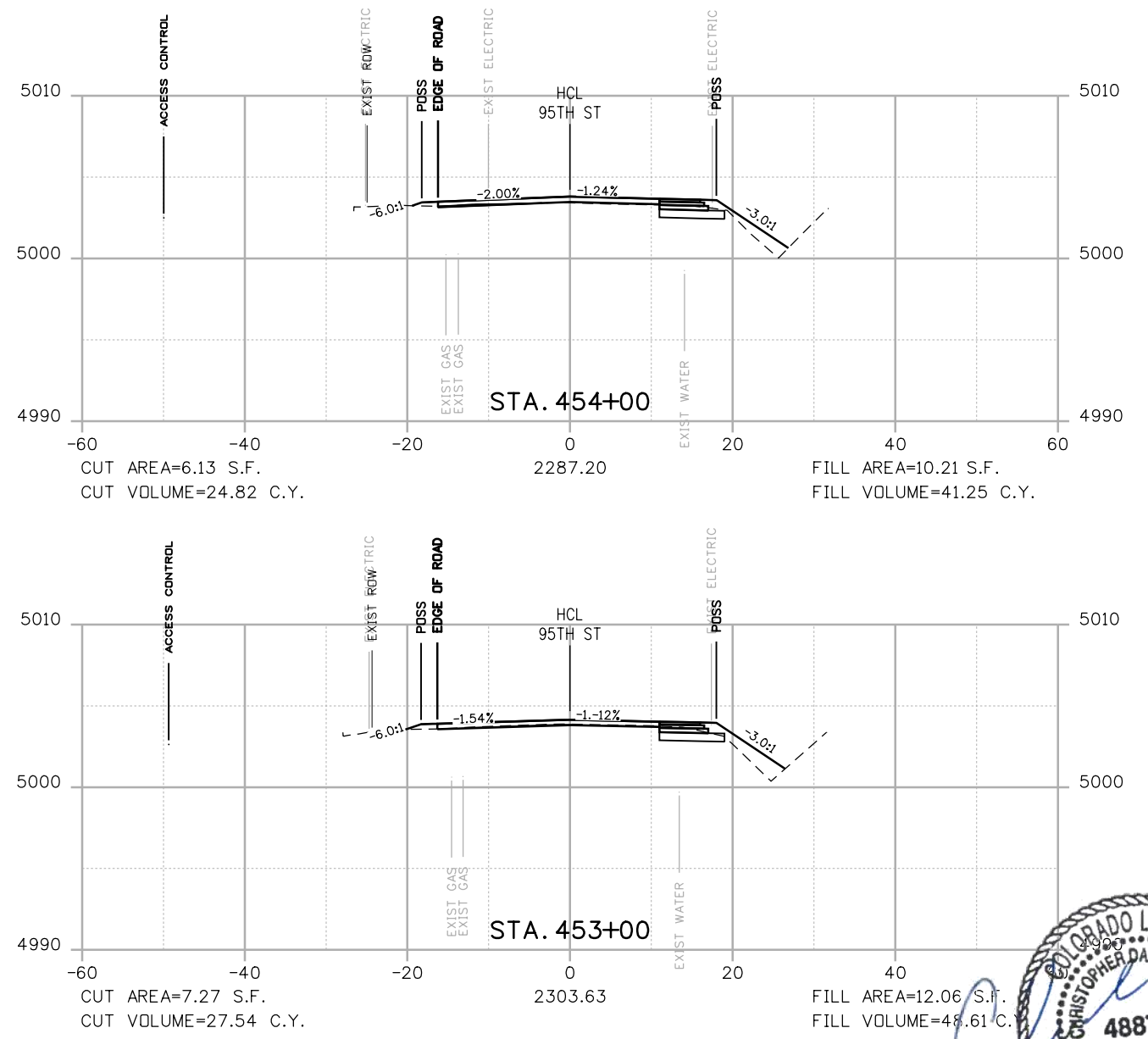
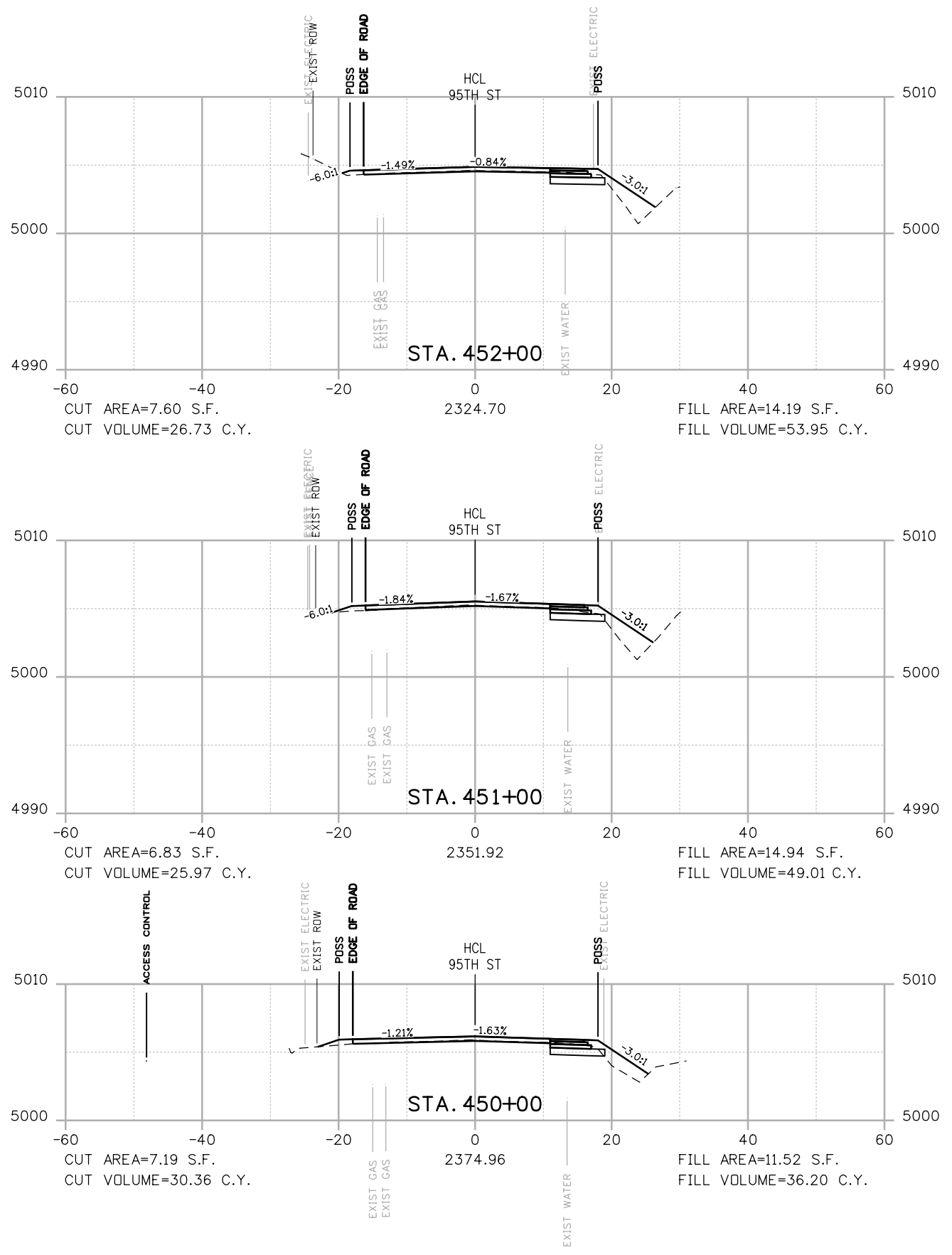


**BOULDER COUNTY TRANSPORTATION DEPARTMENT
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 CAD: MPR
 CHECKED: CDL
 DATE: 02/14/2019

**95TH STREET
 CROSS SECTIONS**
 PROJECT NO: 74030
 SHEET NO: X41



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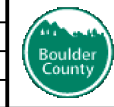
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 GROUND SURVEY
 GROUND LIDAR
 PROPOSED GRADE

RFC



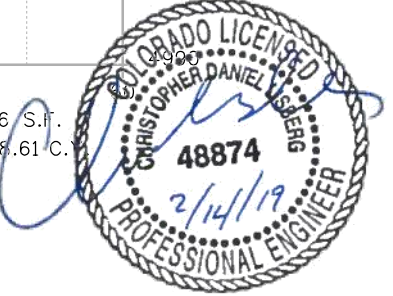
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**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**

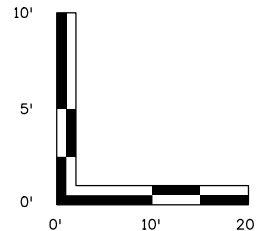
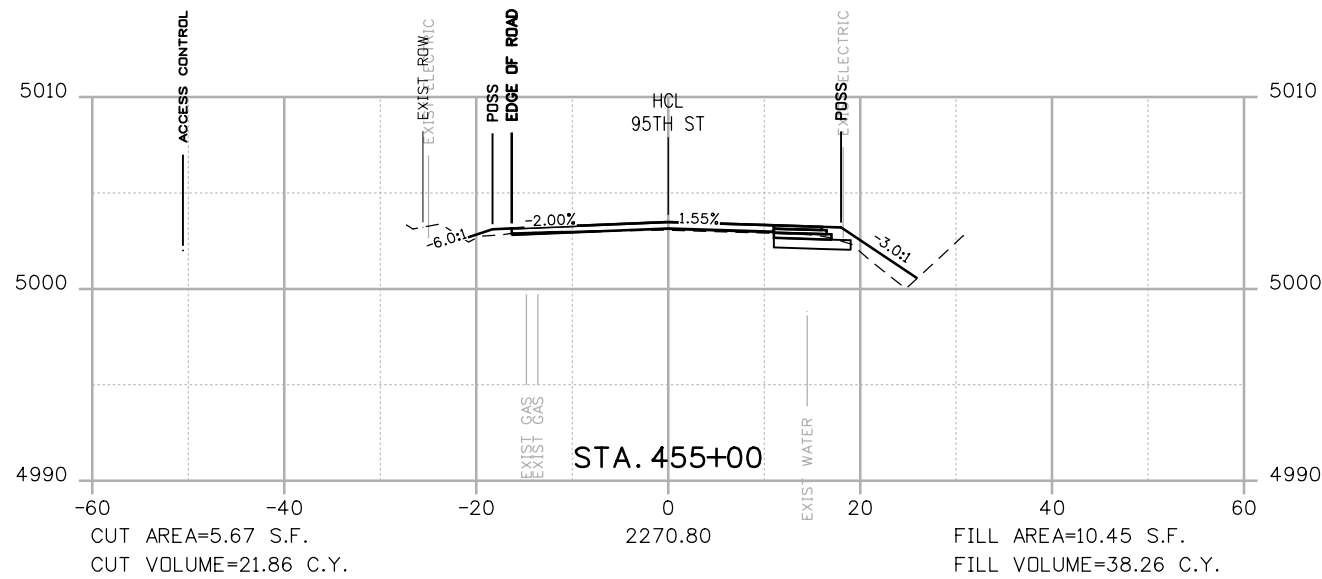
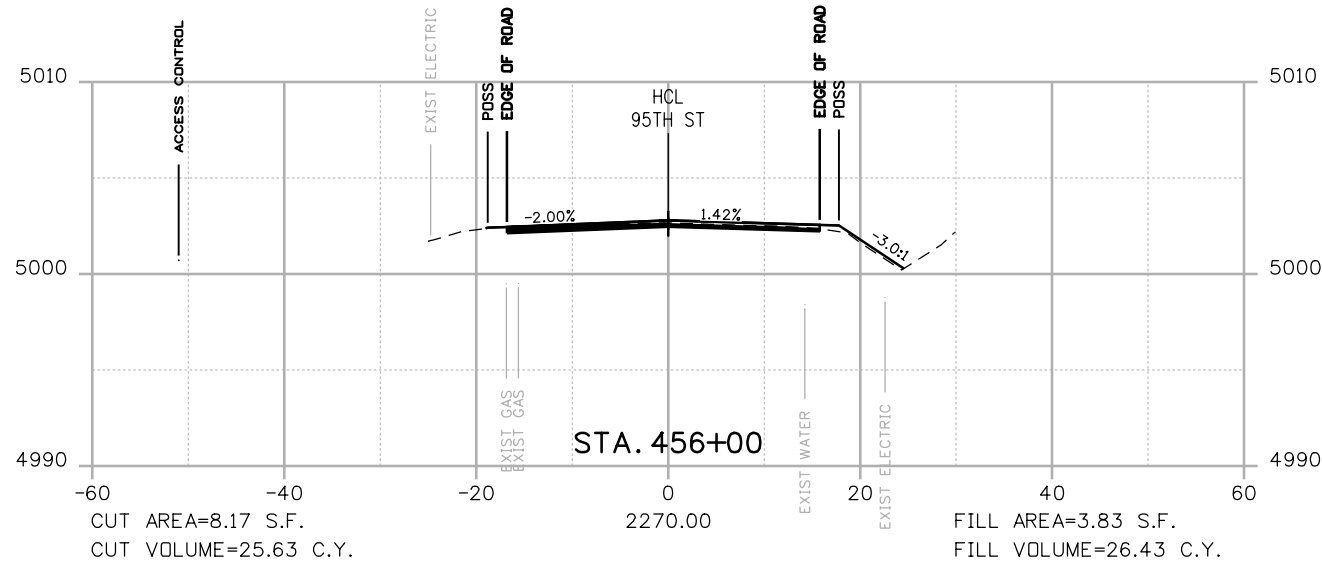
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**95TH STREET
 CROSS SECTIONS**

PROJECT NO: 74030 SHEET NO: X42

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POSS

POINT OF SLOPE SELECTION

GROUND SURVEY

GROUND LIDAR

PROPOSED GRADE

RFC



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**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**



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**95TH STREET
CROSS SECTIONS**

PROJECT NO: 74030 SHEET NO: X43

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GUARDRAIL TABULATION

LOCATION			GUARDRAIL TYPE 3 6'3" POST SPACING	MGS TYPE 3 GUARDRAIL (SPECIAL)	END ANCHORAGE TYPE 3K	END ANCHORAGE (NON FLARED)	END ANCHORAGE (FLARED)	REMOVAL OF GUARDRAIL TYPE 3
STA	STA	SIDE	LF	LF	EA			LF
81+07	TO 82+60	RT						152
81+48	TO 82+24	RT	75			2		
82+05	TO 83+21	LT	112.5	12.5	1		1	
82+05	TO 83+51	LT						150
104+37	TO 105+50	RT	112.5			1	1	
104+60	TO 106+00	RT						140
106+18	TO 106+46	LT						33
106+07	TO 106+49	LT	12.5	53.5	2			
106+28	TO 106+56	RT	12.5	25.25	1	1		
106+31	TO 106+89	RT						58
BID ALTERNATIVE TOTALS			325	91.25	4	4	2	533

GUARDRAIL NOTES

1. REMOVAL OF END ANCHORAGES SHALL NOT BE MEASURED OR PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE LENGTH AND COST OF REMOVAL OF GUARDRAIL TYPE 3.

EARTHWORK TABULATION

EMBANKMENT MATERIAL (FOR INFORMATION ONLY)	CY
BID ALT 1	75
TOTAL EMBANKMENT MATERIAL	75

EARTHWORK NOTES:

1. HAULING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE WORK.
2. THERE IS NO DESIGNATED BORROW SITE. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE EMBANKMENT BORROW SOURCE.
3. THE CONTRACTOR IS ADVISED ON-SITE EXCAVATED MATERIAL MAY NOT BE SUITABLE FOR RE-USE ON THE PROJECT.
4. EXCESS MATERIAL SHALL BE DISPOSED OF OFFSITE IN ACCORDANCE WITH APPLICABLE REGULATIONS.

12. TABULATION OF STORMWATER QUANTITIES

- A. BMP/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 BMP/Control Measure maintenance shall be included in the cost of the BMP/Control Measure.
- B. It is estimated that 5 hours backhoe (68-107 horsepower) may be required for miscellaneous erosion control work as directed by the Engineer. Work shall be paid for as: 203 Backhoe.
- C. Establishment of seeded areas shall be paid for as: included in the price of the work. This shall include mowing, weed control, reseeding/mulch/tackifier.

PSP Spec.	Pay Item	Description	Pay Unit	Initial/Interim Const.	Permanent Stabilization	*Total Quantity
203-01510	Backhoe		Hour	5	-	5
207-00205	Topsoil ²		CY	-	120	120
208-00002	Erosion Log Type 1 (12 inch) Biodegradable ¹		LF	1500	-	1500
208-00035	Aggregate Bag ¹		LF	50	-	50
208-00103	Removal and Disposal of Sediment (Labor)		Hour	5	-	5
208-00105	Removal and Disposal of Sediment (Equipment)		Hour	5	-	5
208-00106	Sweeping (Sediment Removal)		Hour	5	-	5
208-00207	Erosion Control Management (ECM)		Day	5	3	8
212-00006	Seeding (Native) ²		Acre	-	0.2	0.2
212-00032	Soil Conditioning ²		Acre	-	0.2	0.2
213-00004	Mulching (Weed Free Straw) ²		Acre	-	0.2	0.2
213-00061	Mulch Tackifier ²		LB	-	50	50
214-00000	Landscape Maintenance		LS	-	1	1
216-00021	Soil Retention Blanket (Class 1)		SY	-	32	32
216-00301	Turf Reinforcement Mat (Class 1)		SY	-	32	32
217-00000	Herbicide Treatment ³		SY	-	50	50
607-11525	Fence (Plastic)		LF	76	-	76
700-70380	Erosion Control		FA	-	-	1

¹Quantity of erosion logs increased by 10% to account for replacement. Quantity is estimated for this submittal.

²Quantity increased by 10% from acreage requiring seeding and mulching to account for unforeseen project conditions.

³Estimated at 5% of total seeded areas.

*It is anticipated that additional BMPs/Control Measures and BMP/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 subsection 208.03 and 208.04. **Quantities for all BMPs/Control Measures shown above are estimated, and have been increased for unforeseen conditions and normal BMP/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 use.

NOTES:

1. THE INTENT OF THESE QUANTITIES IS TO PROVIDE DESIGN FOR THE INSTALLATION OF PROPOSED GUARDRAIL, GRADING, AND END SECTIONS. THE QUANTITIES SHOWN SHALL ONLY BE CONSTRUCTED UPON APPROVAL AND COORDINATION WITH THE COUNTY
2. THE QUANTITIES SHOWN ON THIS SHEET ARE NOT INCLUDED IN THE COST OF THE CONTRACT
3. BID ALTERNATIVE 1 INCREASES THE LDA OF THE PROJECT BY LESS THAN 0.7 ACRES.



RFC



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REVISIONS:

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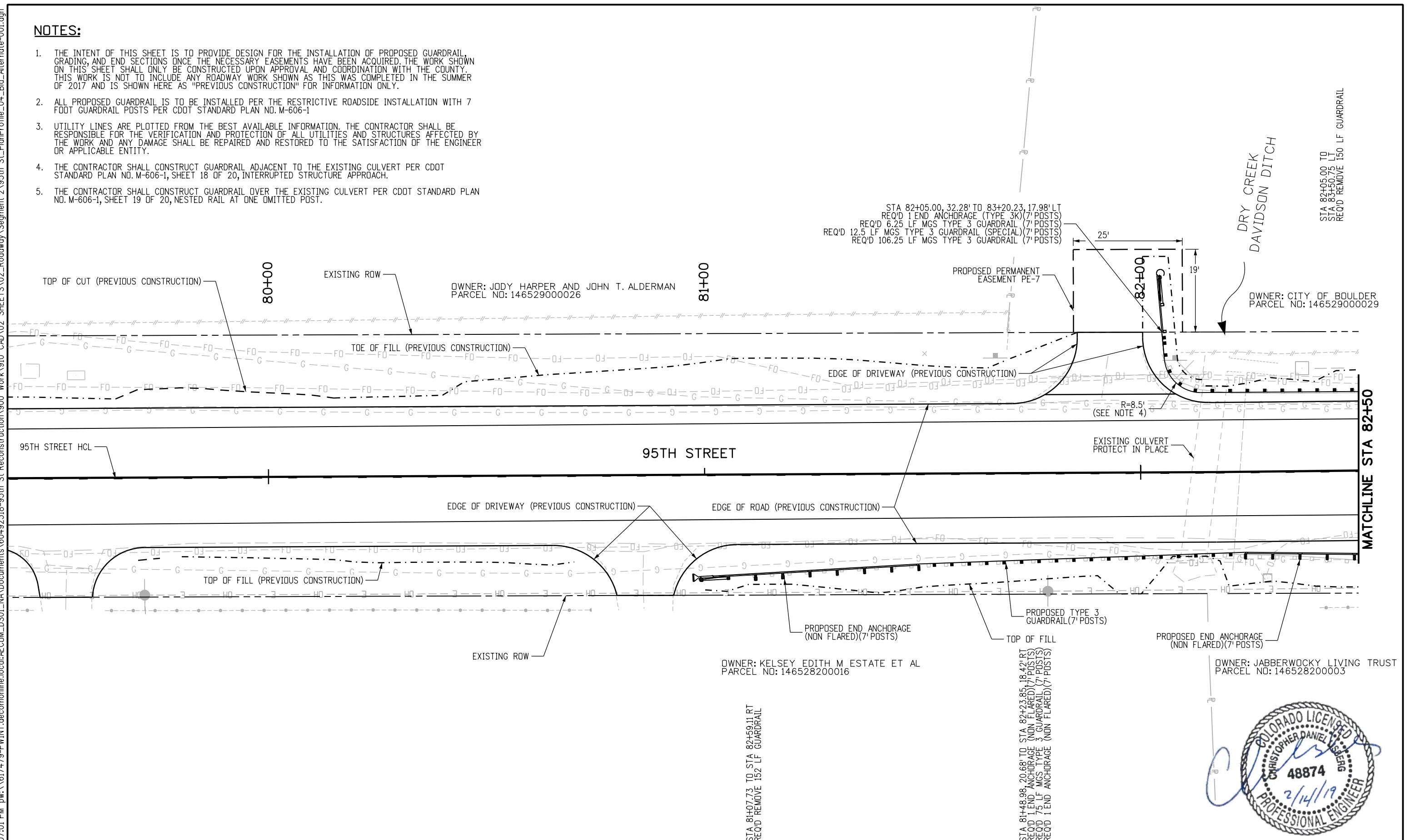
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95TH STREET BID ALTERNATE 1	
PROJECT NO: 74030	SHEET NO: ALT1

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NOTES:

1. THE INTENT OF THIS SHEET IS TO PROVIDE DESIGN FOR THE INSTALLATION OF PROPOSED GUARDRAIL, GRADING, AND END SECTIONS ONCE THE NECESSARY EASEMENTS HAVE BEEN ACQUIRED. THE WORK SHOWN ON THIS SHEET SHALL ONLY BE CONSTRUCTED UPON APPROVAL AND COORDINATION WITH THE COUNTY. THIS WORK IS NOT TO INCLUDE ANY ROADWAY WORK SHOWN AS THIS WAS COMPLETED IN THE SUMMER OF 2017 AND IS SHOWN HERE AS "PREVIOUS CONSTRUCTION" FOR INFORMATION ONLY.
2. ALL PROPOSED GUARDRAIL IS TO BE INSTALLED PER THE RESTRICTIVE ROADSIDE INSTALLATION WITH 7 FOOT GUARDRAIL POSTS PER CDOT STANDARD PLAN NO. M-606-1
3. UTILITY LINES ARE PLOTTED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND PROTECTION OF ALL UTILITIES AND STRUCTURES AFFECTED BY THE WORK AND ANY DAMAGE SHALL BE REPAIRED AND RESTORED TO THE SATISFACTION OF THE ENGINEER OR APPLICABLE ENTITY.
4. THE CONTRACTOR SHALL CONSTRUCT GUARDRAIL ADJACENT TO THE EXISTING CULVERT PER CDOT STANDARD PLAN NO. M-606-1, SHEET 18 OF 20, INTERRUPTED STRUCTURE APPROACH.
5. THE CONTRACTOR SHALL CONSTRUCT GUARDRAIL OVER THE EXISTING CULVERT PER CDOT STANDARD PLAN NO. M-606-1, SHEET 19 OF 20, NESTED RAIL AT ONE OMITTED POST.



RFC

811
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BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

AECOM

DESIGNED: CDL CAD: CDL CHECKED: MRK DATE: 02/14/2019

95TH STREET
BID ALTERNATIVE 1

PROJECT NO: 74030 SHEET NO: ALT2



STA 81+07.73 TO STA 82+59.11 RT
 REQ'D REMOVE 152 LF GUARDRAIL

STA 81+48.98 TO STA 82+23.85, 18.42' RT
 REQ'D 1 END ANCHORAGE (NON FLARED) (7' POSTS)
 REQ'D 7.5 LF MGS TYPE 3 GUARDRAIL (7' POSTS)
 REQ'D 1 END ANCHORAGE (NON FLARED) (7' POSTS)

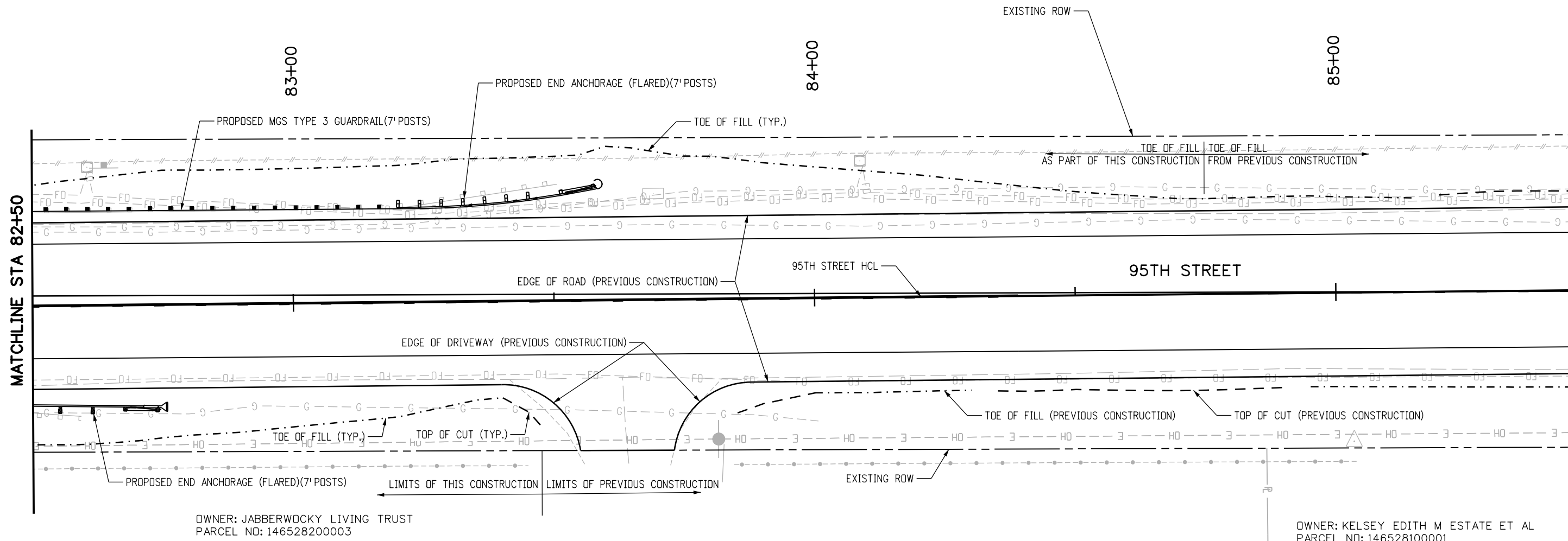
STA 82+05.00 TO
 STA 83+20.23, 17.98' LT
 REQ'D REMOVE 150 LF GUARDRAIL

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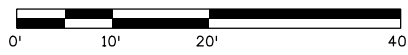
NOTES:

1. THE INTENT OF THIS SHEET IS TO PROVIDE DESIGN FOR THE INSTALLATION OF PROPOSED GUARDRAIL, GRADING, AND END SECTIONS ONCE THE NECESSARY EASEMENTS HAVE BEEN ACQUIRED. THE WORK SHOWN ON THIS SHEET SHALL ONLY BE CONSTRUCTED UPON APPROVAL AND COORDINATION WITH THE COUNTY. THIS WORK IS NOT TO INCLUDE ANY ROADWAY WORK SHOWN AS THIS WAS COMPLETED IN THE SUMMER OF 2017 AND IS SHOWN HERE AS "PREVIOUS CONSTRUCTION" FOR INFORMATION ONLY.
2. ALL PROPOSED GUARDRAIL IS TO BE INSTALLED PER THE RESTRICTIVE ROADSIDE INSTALLATION WITH 7 FOOT GUARDRAIL POSTS PER CDDT STANDARD PLAN NO. M-606-1
3. UTILITY LINES ARE PLOTTED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND PROTECTION OF ALL UTILITIES AND STRUCTURES AFFECTED BY THE WORK AND ANY DAMAGE SHALL BE REPAIRED AND RESTORED TO THE SATISFACTION OF THE ENGINEER OR APPLICABLE ENTITY.
4. THE CONTRACTOR SHALL CONSTRUCT GUARDRAIL ADJACENT TO THE EXISTING CULVERT PER CDDT STANDARD PLAN NO. M-606-1, SHEET 18 OF 20, INTERRUPTED STRUCTURE APPROACH.

STA 83+20.23, 17.98' LT
REQ'D 1 END ANCHORAGE (FLARED)(7' POSTS)



APPROXIMATE LOCATION



RFC



CALL UTILITY NOTIFICATION CENTER OF COLORADO
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

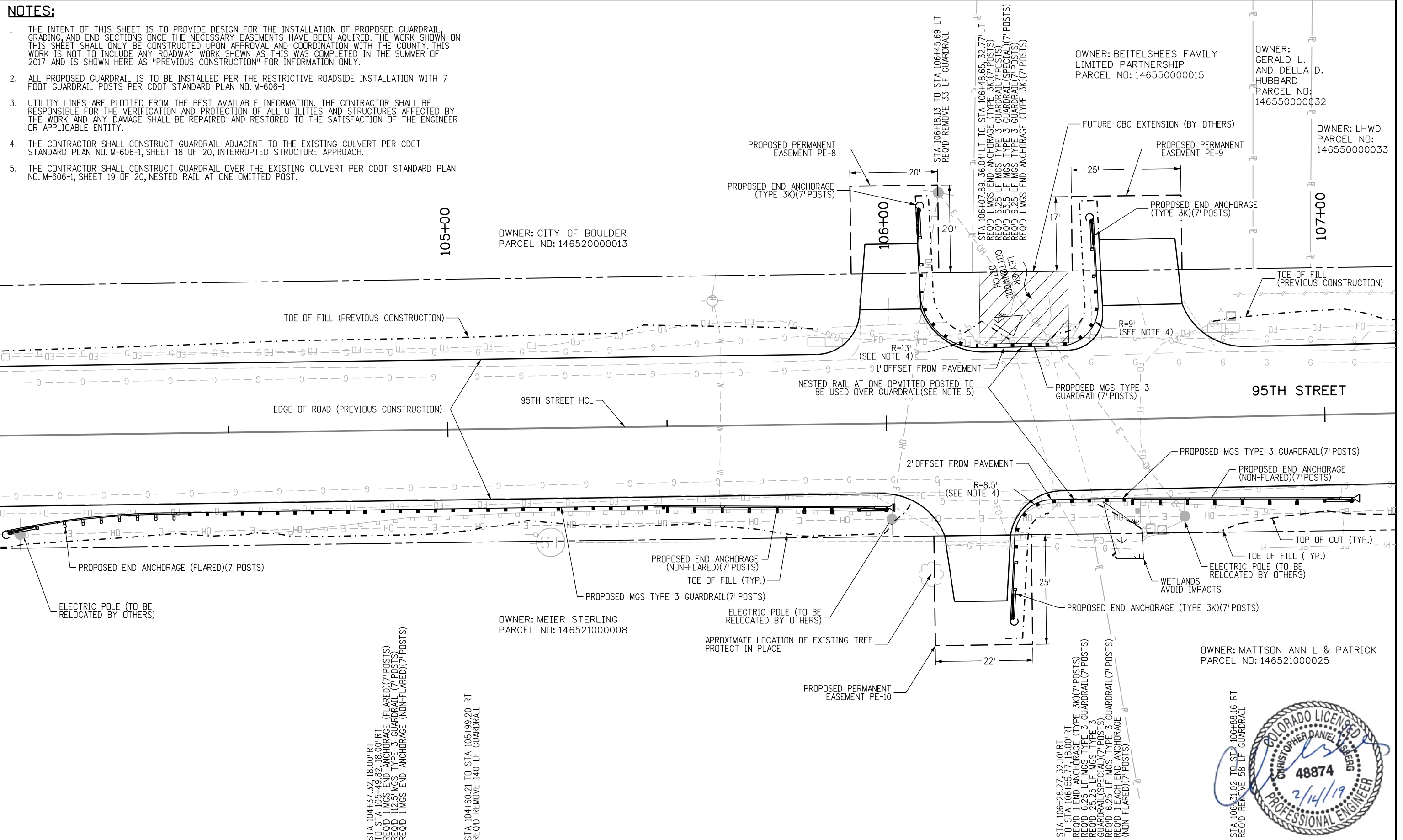
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95TH STREET BID ALTERNATIVE 1
PROJECT NO: 74030 SHEET NO: ALT3

alison.lavery 2:07:42 PM p:\617479-PWINT.aecomonline.local\AECOM_DSO1_NA\Documents\60492318-95th St Reconstruction\900_Work\910_CAD\02_SHEETS\02_Roadway\Segment 2\95th St_PlanProfile_09_Bid Alternates\9-20-17.dgn

NOTES:

1. THE INTENT OF THIS SHEET IS TO PROVIDE DESIGN FOR THE INSTALLATION OF PROPOSED GUARDRAIL, GRADING, AND END SECTIONS ONCE THE NECESSARY EASEMENTS HAVE BEEN ACQUIRED. THE WORK SHOWN ON THIS SHEET SHALL ONLY BE CONSTRUCTED UPON APPROVAL AND COORDINATION WITH THE COUNTY. THIS WORK IS NOT TO INCLUDE ANY ROADWAY WORK SHOWN AS THIS WAS COMPLETED IN THE SUMMER OF 2017 AND IS SHOWN HERE AS "PREVIOUS CONSTRUCTION" FOR INFORMATION ONLY.
2. ALL PROPOSED GUARDRAIL IS TO BE INSTALLED PER THE RESTRICTIVE ROADSIDE INSTALLATION WITH 7 FOOT GUARDRAIL POSTS PER CDOT STANDARD PLAN NO. M-606-1
3. UTILITY LINES ARE PLOTTED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND PROTECTION OF ALL UTILITIES AND STRUCTURES AFFECTED BY THE WORK AND ANY DAMAGE SHALL BE REPAIRED AND RESTORED TO THE SATISFACTION OF THE ENGINEER OR APPLICABLE ENTITY.
4. THE CONTRACTOR SHALL CONSTRUCT GUARDRAIL ADJACENT TO THE EXISTING CULVERT PER CDOT STANDARD PLAN NO. M-606-1, SHEET 18 OF 20, INTERRUPTED STRUCTURE APPROACH.
5. THE CONTRACTOR SHALL CONSTRUCT GUARDRAIL OVER THE EXISTING CULVERT PER CDOT STANDARD PLAN NO. M-606-1, SHEET 19 OF 20, NESTED RAIL AT ONE OMITTED POST.

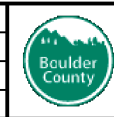


RFC



**CALL UTILITY NOTIFICATION
CENTER OF COLORADO**
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**

DESIGNED: CDL CAD: CDL CHECKED: PM DATE: 02/14/2019

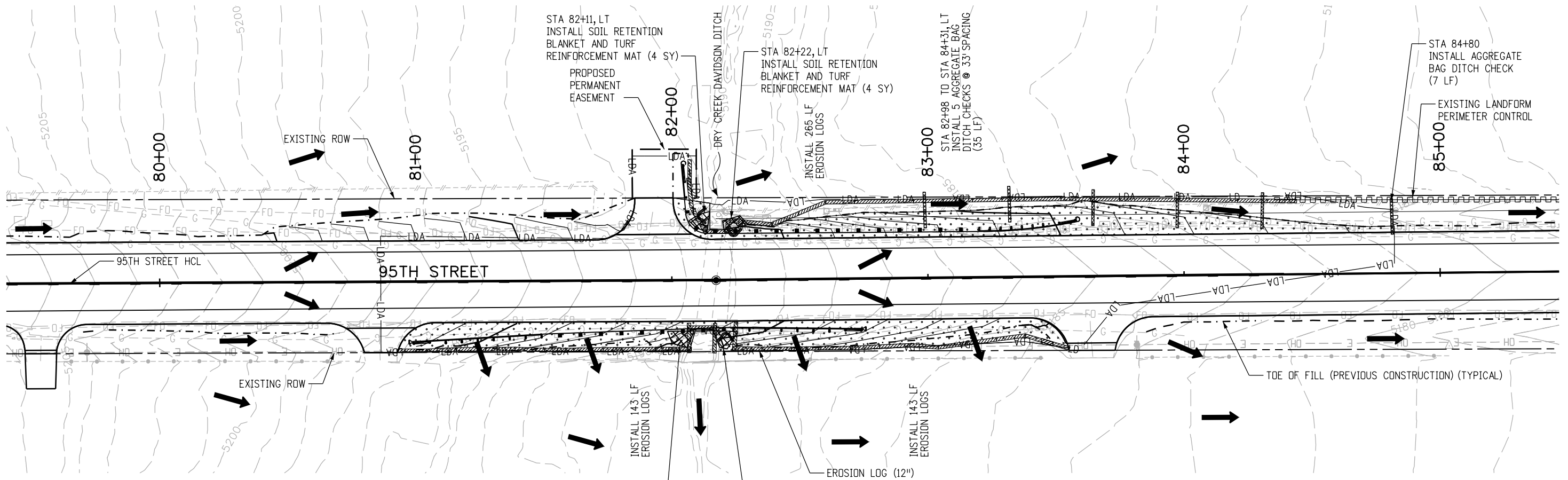
**95TH STREET
BID ALTERNATIVE 1**

PROJECT NO: 74030 SHEET NO: ALT4



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95TH STREET BID ALTERNATIVE 1

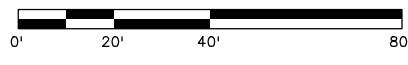


NOTES:

1. BMPs ARE NOT DRAWN TO SCALE AND PLACEMENT IS APPROXIMATE.
2. SWMP ADMINISTRATOR FOR CONSTRUCTION TO UPDATE SITE MAPS DURING CONSTRUCTION.
3. SEE SWMP NOTES SHEETS FOR BMP NARRATIVES, PHASING INFORMATION AND STANDARD DETAIL REFERENCE.
4. PERIMETER CONTROL FOR THIS PROJECT IS AS FOLLOWS, INCLUDING BUT NOT LIMITED TO:
 - EXISTING LANDFORMS, VEGETATIVE BUFFER STRIPS, AND EROSION LOGS PARALLEL TO NORTH 95TH STREET
 - EROSION LOGS AND FENCE (PLASTIC) AROUND WETLANDS AND PONDS
 - EXISTING PAVEMENT, DRIVEWAYS AND SIDEWALKS ALONG NORTH 95TH STREET
5. ALL NEW AND EXISTING INLETS/CULVERTS IN PROJECT AREA SHALL HAVE EROSION LOG PROTECTION FOR THE DURATION OF THE PROJECT.
6. VEHICLE TRACKING PADS SHALL BE PLACED AT THE BEGINNING OF FULL DEPTH PAVEMENT CONSTRUCTION AND OTHER CONSTRUCTION ENTRANCES FOR EACH PHASE.
7. CONCRETE WASHOUT STRUCTURES SHALL BE PLACED FOR EACH PHASE.
8. THE LOCATIONS AND PERIMETER CONTROLS FOR STAGING AREAS TO BE DETERMINED BY THE CONTRACTOR AND SWMP ADMINISTRATOR FOR CONSTRUCTION.
9. LIMITS OF CONSTRUCTION (LOC) FOR THIS PROJECT ARE DEFINED BY THE RIGHT OF WAY (ROW), TEMPORARY AND PERMANENT EASEMENTS, AND PROJECT LIMITS INCLUDING TRAFFIC PHASING.

LEGEND

- - - - - TOE OF FILL
- - - - - TOP OF CUT
- LDA— LIMITS OF DISTURBED AREA
- LANDFORM
- ➔ DIRECTION OF SURFACE FLOW
- SEEDING (NATIVE) AND MULCHING
- LANDSCAPING (MATCH EXISTING)
- EROSION LOG (12") PERIMETER CONTROL
- AGGREGATE BAG (12") DITCH CHECK
- EROSION LOG (12") CULVERT INLET PROTECTION
- EROSION LOG (12") CULVERT OUTLET PROTECTION
- WETLAND
- PF FENCE (PLASTIC)
- SOIL RETENTION BLANKET (STRAW-COCONUT) (BIODEGRADABLE CLASS I) TURF REINFORCEMENT MAT (CLASS I)

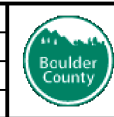


RFC



CALL UTILITY NOTIFICATION CENTER OF COLORADO
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



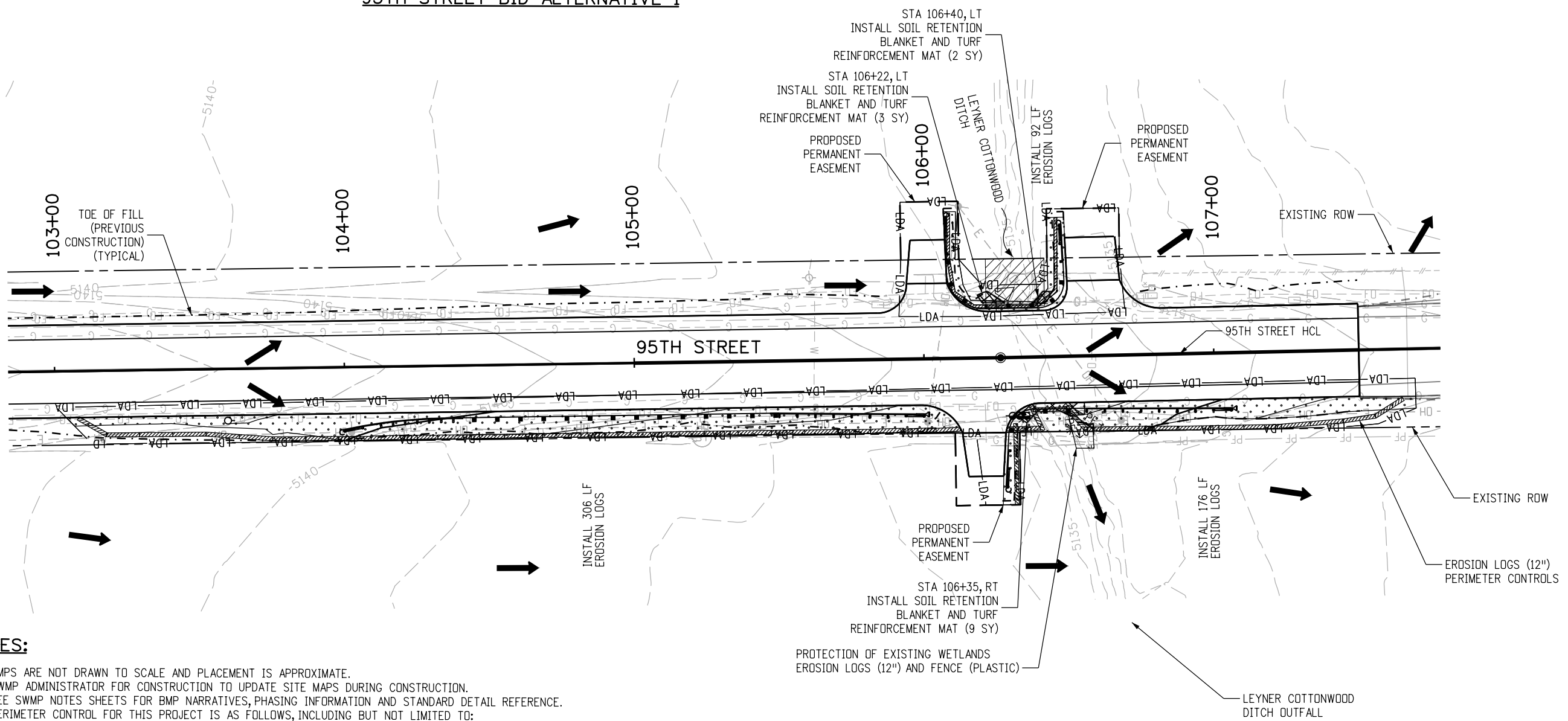
BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: JRG	CAD: JRG	CHECKED: SKL	DATE: 02/14/2019
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95TH STREET SWMP PLAN
PROJECT NO: 74030 SHEET NO: ALT5

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95TH STREET BID ALTERNATIVE 1

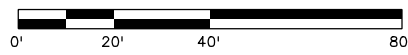


NOTES:

1. BMPS ARE NOT DRAWN TO SCALE AND PLACEMENT IS APPROXIMATE.
2. SWMP ADMINISTRATOR FOR CONSTRUCTION TO UPDATE SITE MAPS DURING CONSTRUCTION.
3. SEE SWMP NOTES SHEETS FOR BMP NARRATIVES, PHASING INFORMATION AND STANDARD DETAIL REFERENCE.
4. PERIMETER CONTROL FOR THIS PROJECT IS AS FOLLOWS, INCLUDING BUT NOT LIMITED TO:
 - EXISTING LANDFORMS, VEGETATIVE BUFFER STRIPS, AND EROSION LOGS PARALLEL TO NORTH 95TH STREET
 - EROSION LOGS AND FENCE (PLASTIC) AROUND WETLANDS AND PONDS
 - EXISTING PAVEMENT, DRIVEWAYS AND SIDEWALKS ALONG NORTH 95TH STREET
5. ALL NEW AND EXISTING INLETS/CULVERTS IN PROJECT AREA SHALL HAVE EROSION LOG PROTECTION FOR THE DURATION OF THE PROJECT.
6. VEHICLE TRACKING PADS SHALL BE PLACED AT THE BEGINNING OF FULL DEPTH PAVEMENT CONSTRUCTION AND OTHER CONSTRUCTION ENTRANCES FOR EACH PHASE.
7. CONCRETE WASHOUT STRUCTURES SHALL BE PLACED FOR EACH PHASE.
8. THE LOCATIONS AND PERIMETER CONTROLS FOR STAGING AREAS TO BE DETERMINED BY THE CONTRACTOR AND SWMP ADMINISTRATOR FOR CONSTRUCTION.
9. LIMITS OF CONSTRUCTION (LOC) FOR THIS PROJECT ARE DEFINED BY THE RIGHT OF WAY (ROW), TEMPORARY AND PERMANENT EASEMENTS, AND PROJECT LIMITS INCLUDING TRAFFIC PHASING.

LEGEND

- - - - TOE OF FILL
- - - - TOP OF CUT
- LDA- LIMITS OF DISTURBED AREA
- LANDFORM
- ➔ DIRECTION OF SURFACE FLOW
- SEEDING (NATIVE) AND MULCHING
- LANDSCAPING (MATCH EXISTING)
- EROSION LOG (12") PERIMETER CONTROL
- AGGREGATE BAG (12") DITCH CHECK
- EROSION LOG (12") CULVERT INLET PROTECTION
- EROSION LOG (12") CULVERT OUTLET PROTECTION
- WETLAND
- PF FENCE (PLASTIC)
- SOIL RETENTION BLANKET (STRAW-COCONUT) (BIODEGRADABLE CLASS I) TURF REINFORCEMENT MAT (CLASS I)



RFC



CALL UTILITY NOTIFICATION CENTER OF COLORADO
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

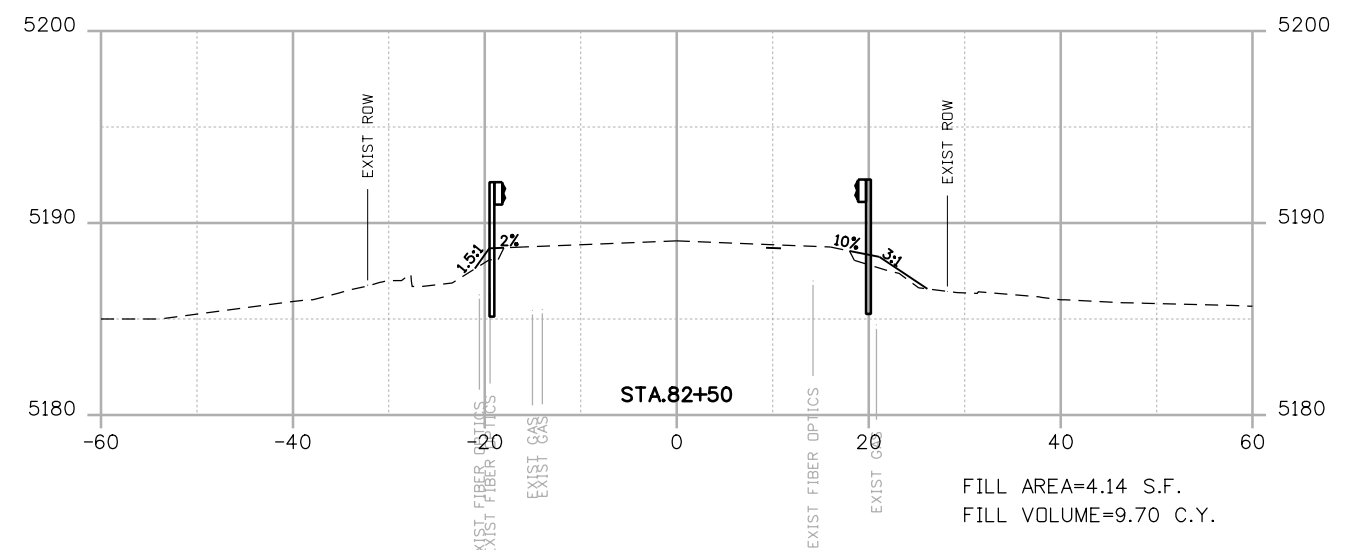
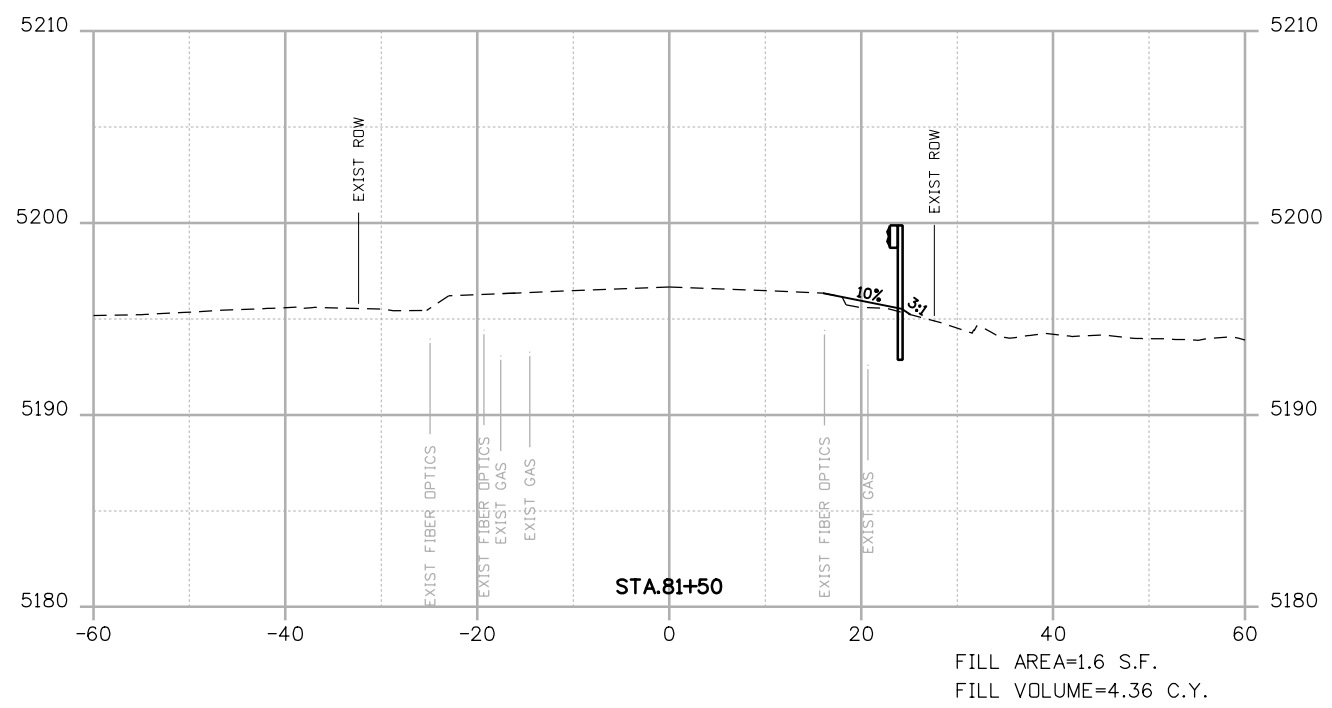
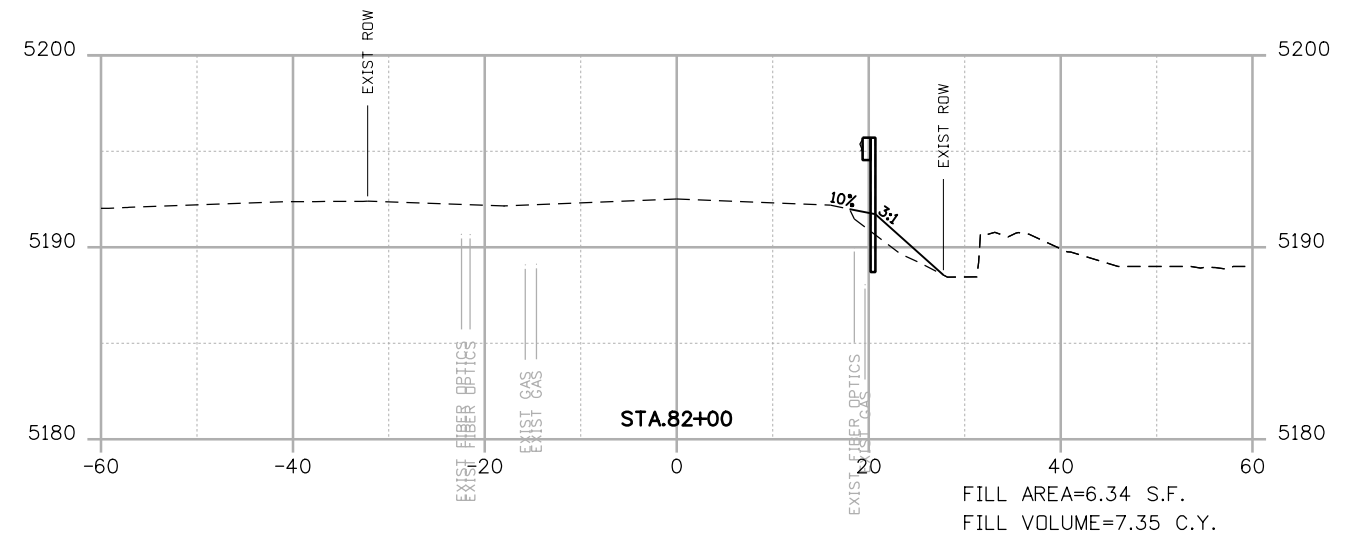
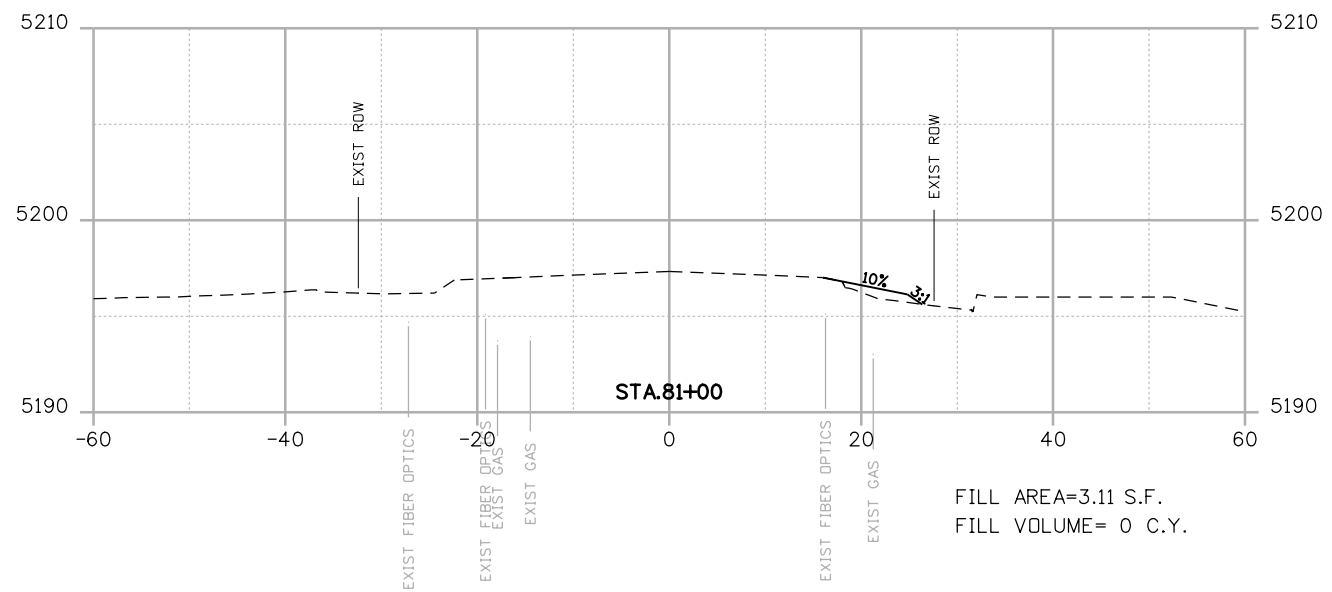
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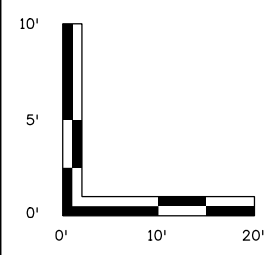
BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
DESIGNED: REM CAD: REM CHECKED: EDF DATE: 02/14/2019

95TH STREET SWMP PLAN
PROJECT NO: 74030 SHEET NO: ALT6

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BID ALTERNATIVE 1



POSS

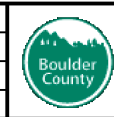
POINT OF SLOPE SELECTION
GROUND SURVEY
GROUND LIDAR
PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
CENTER OF COLORADO**
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**

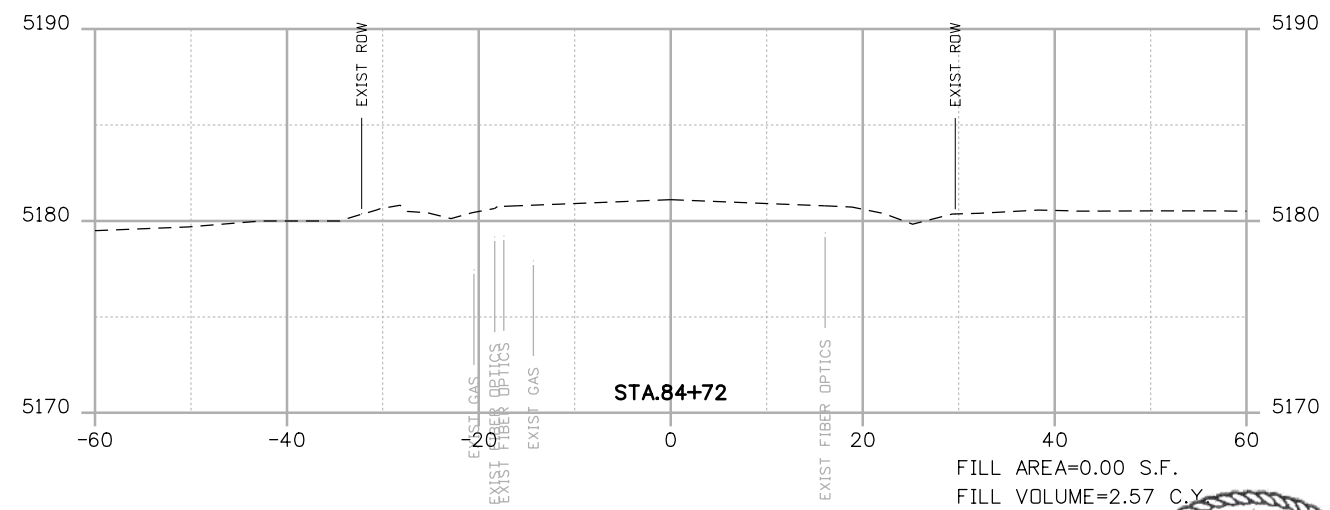
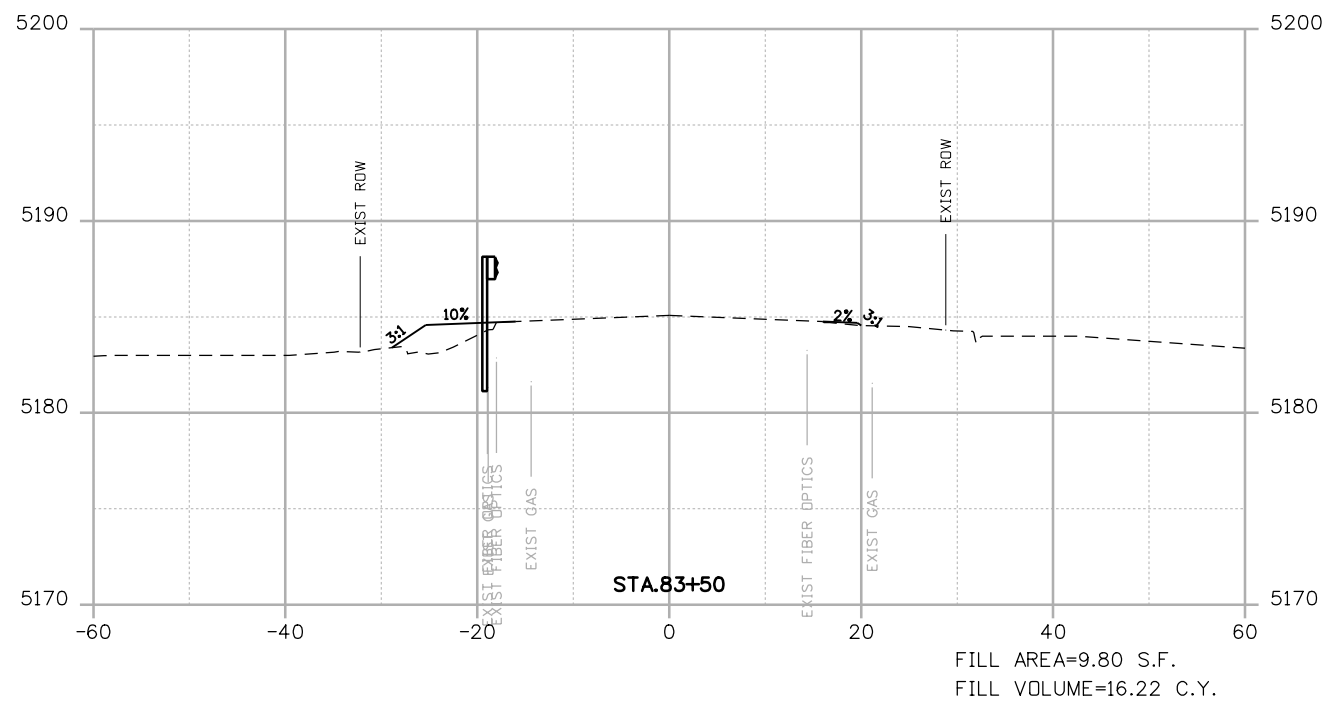
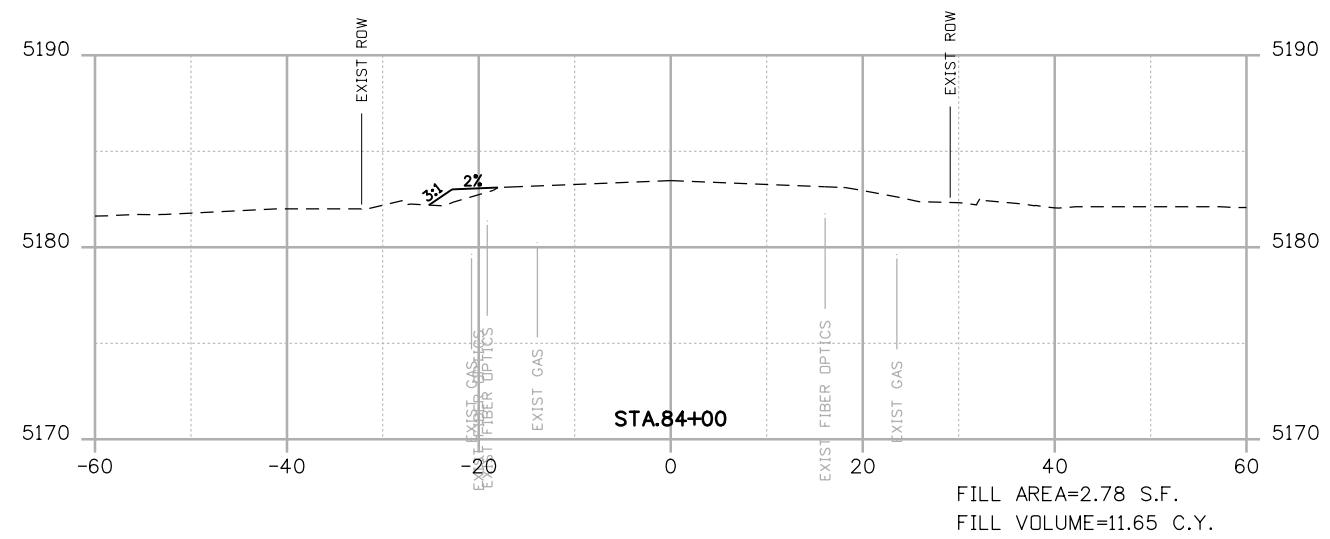
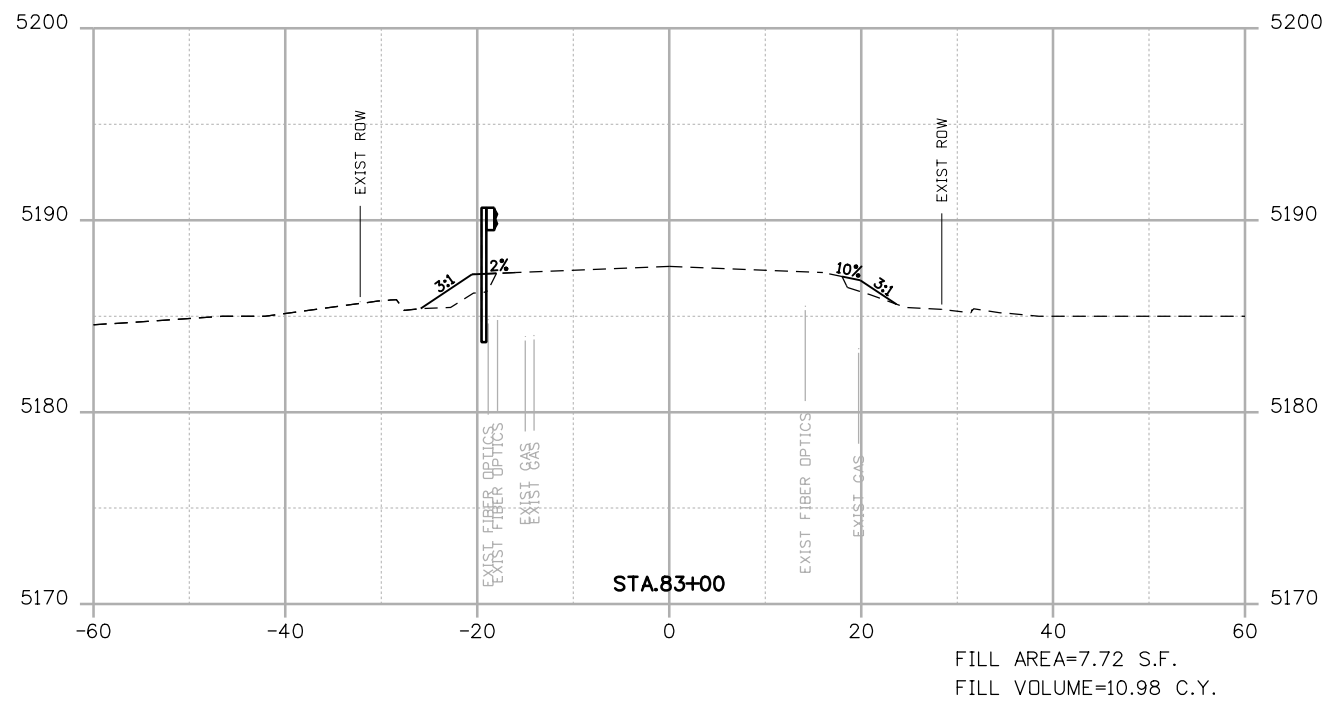
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DESIGNED: CDL CAD: MPR CHECKED: JTS DATE: 02/14/2019

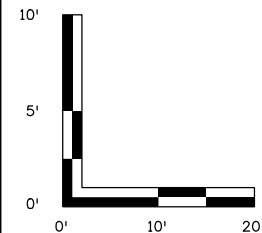
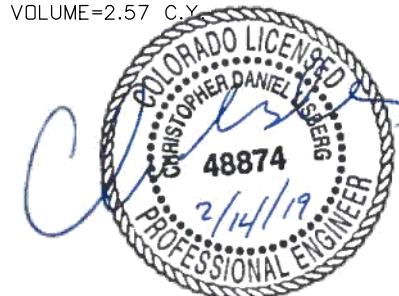
**95TH STREET
CROSS SECTIONS**

PROJECT NO: 74030 SHEET NO: ALT7

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BID ALTERNATIVE 1



POSS
 --- GROUND SURVEY
 --- GROUND LIDAR
 --- PROPOSED GRADE

RFC



CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION

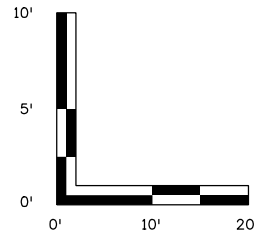
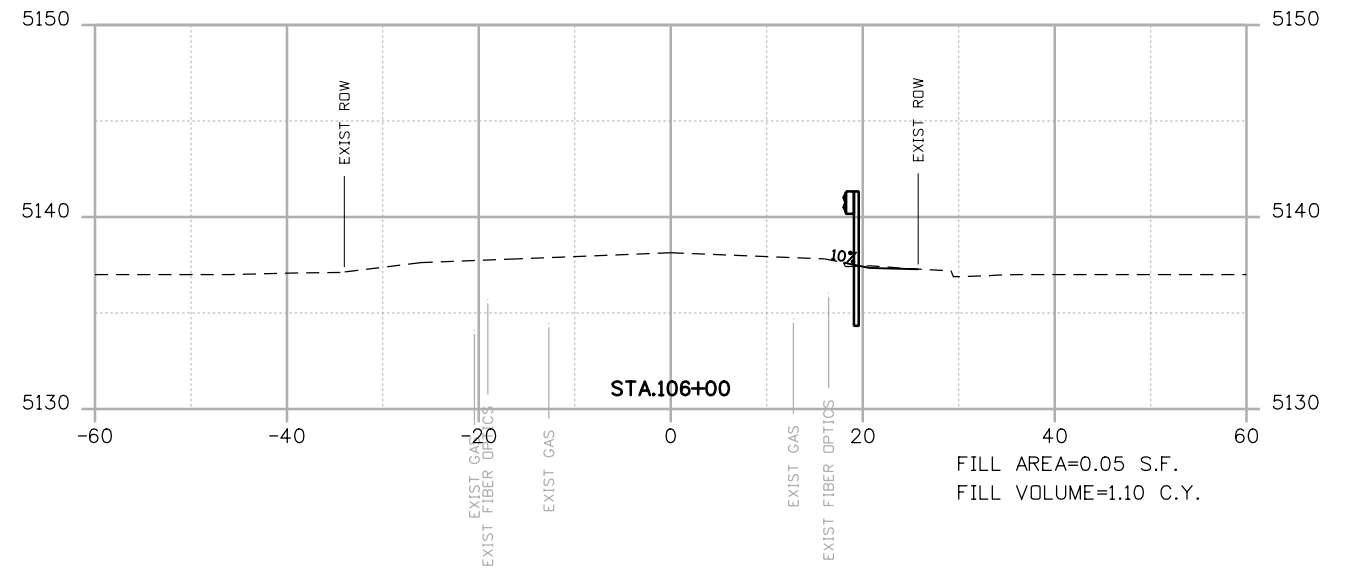
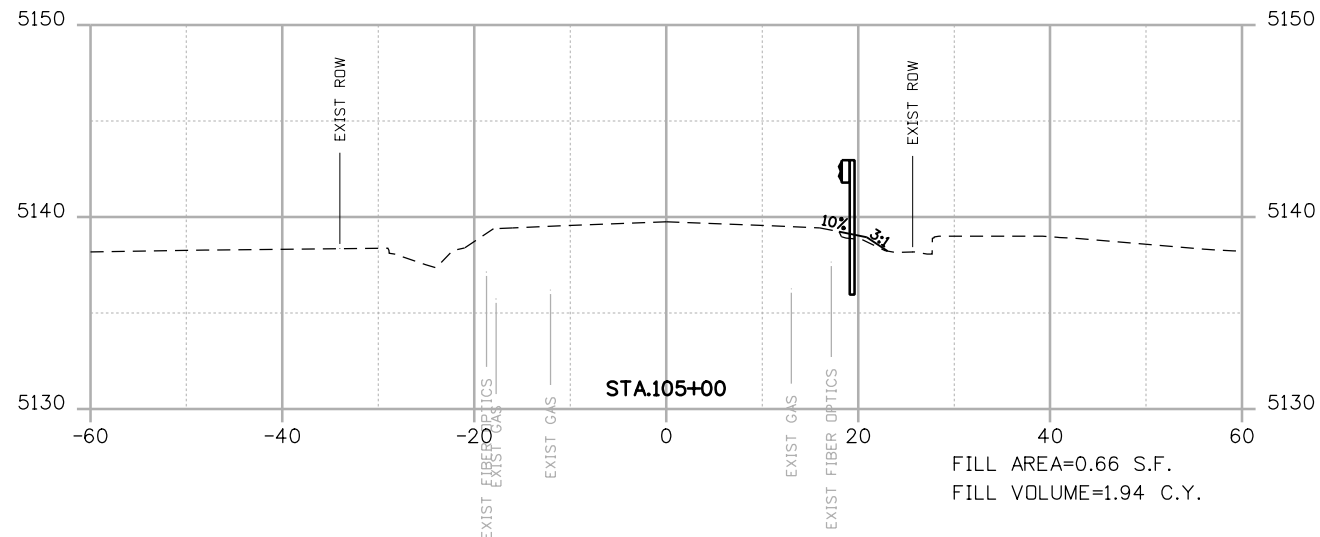
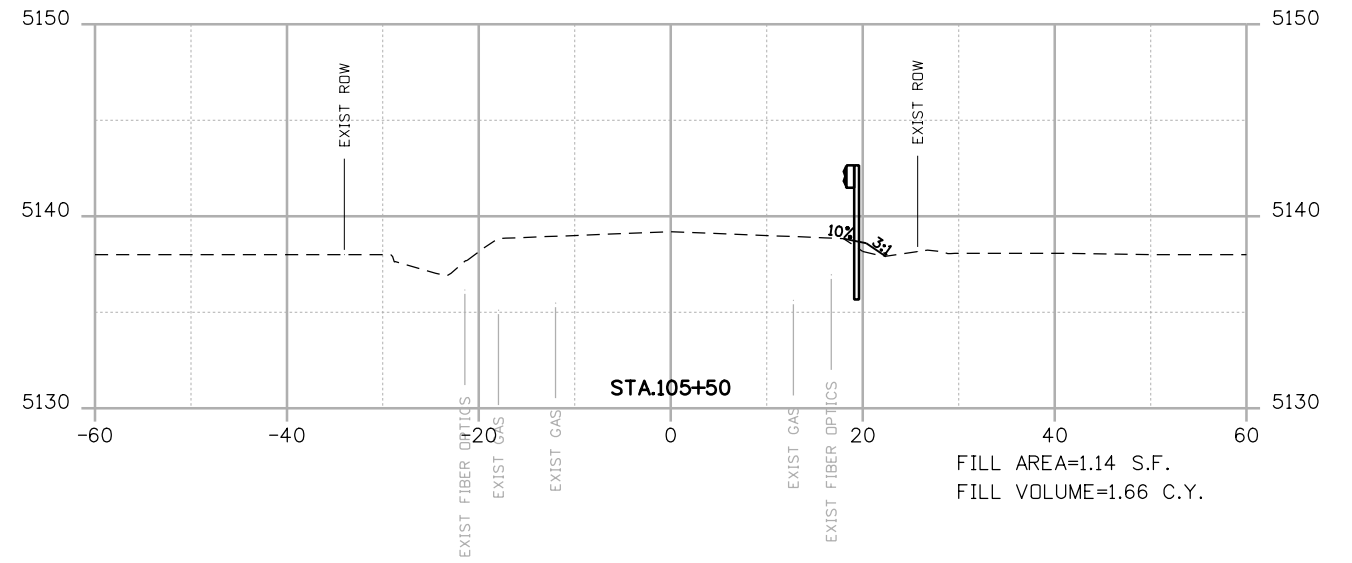
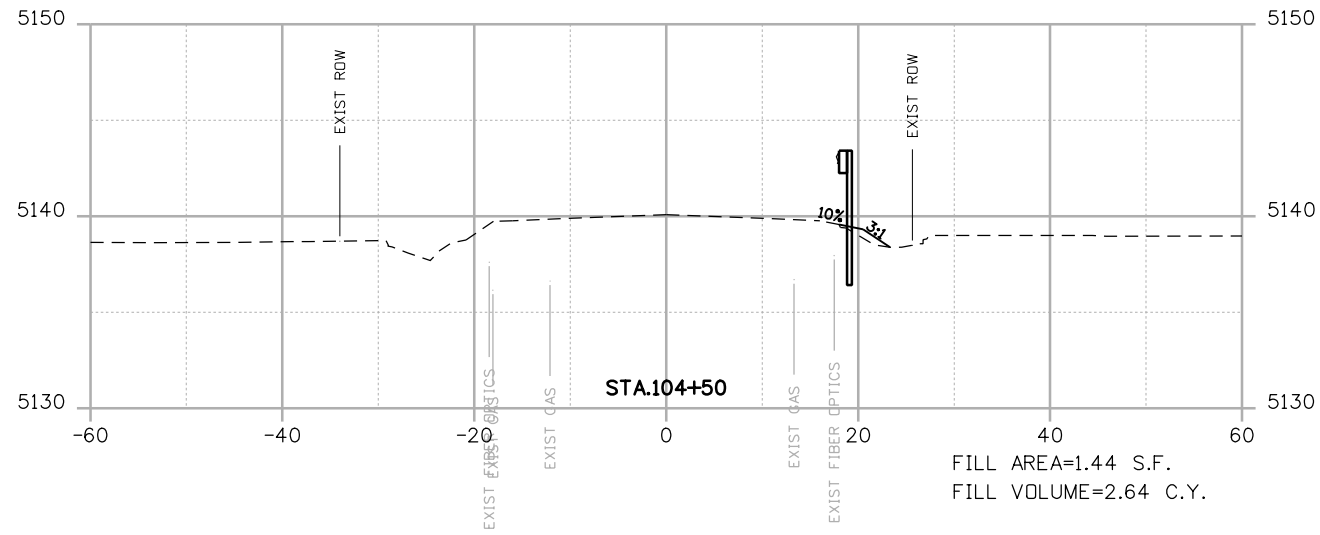


DESIGNED: CDL	CAD: MPR	CHECKED: JTS	DATE: 02/14/2019
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95TH STREET CROSS SECTIONS

PROJECT NO: 74030 SHEET NO: ALT8

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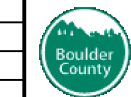
POSS
 - - - - - POINT OF SLOPE SELECTION
 --- GROUND SURVEY
 - - - - - GROUND LIDAR
 - - - - - PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
 CENTER OF COLORADO**
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



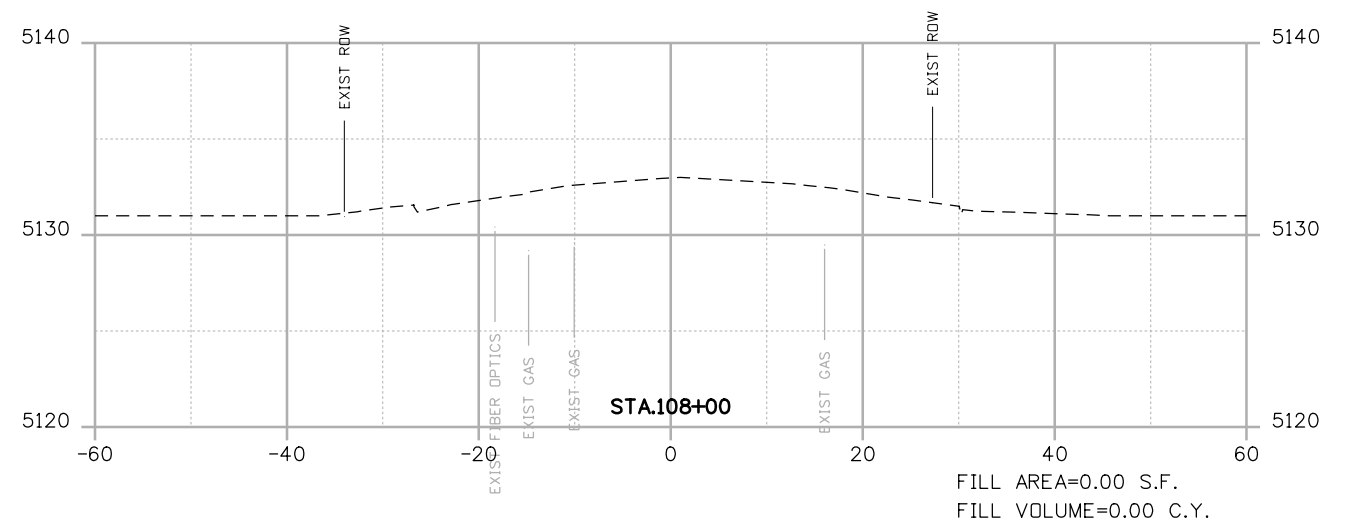
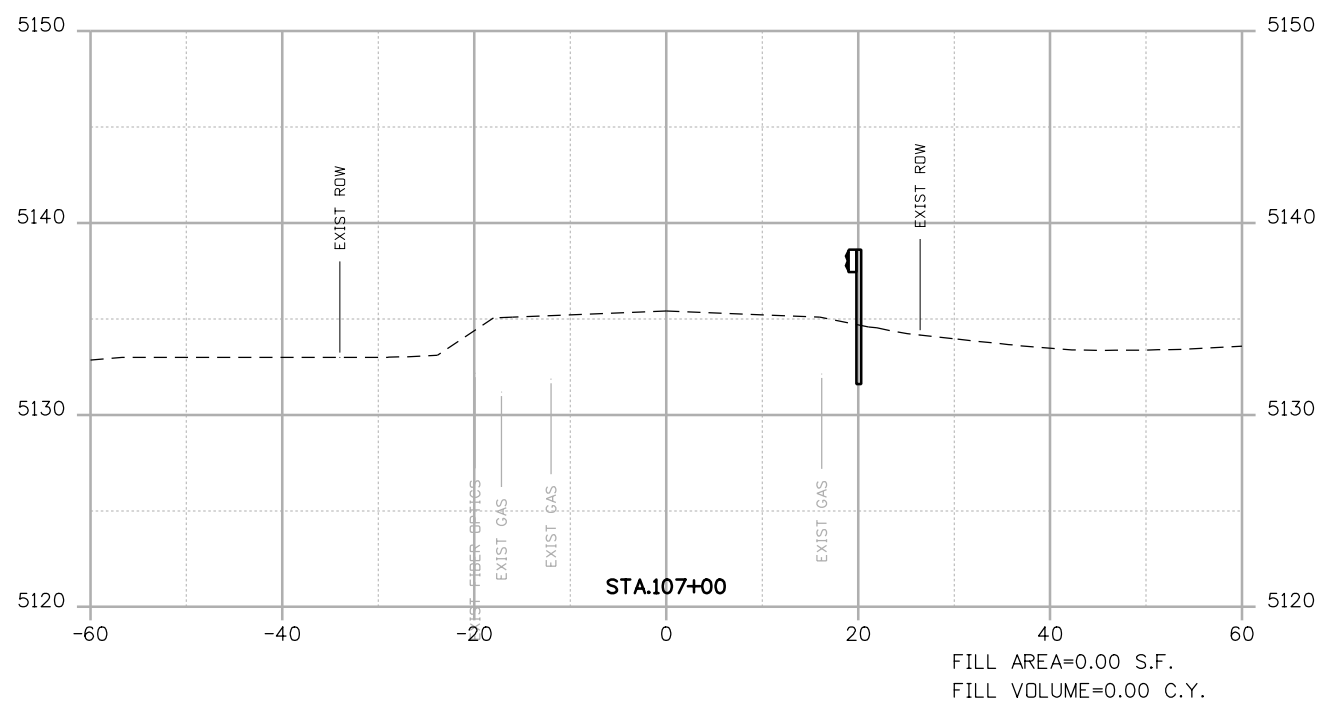
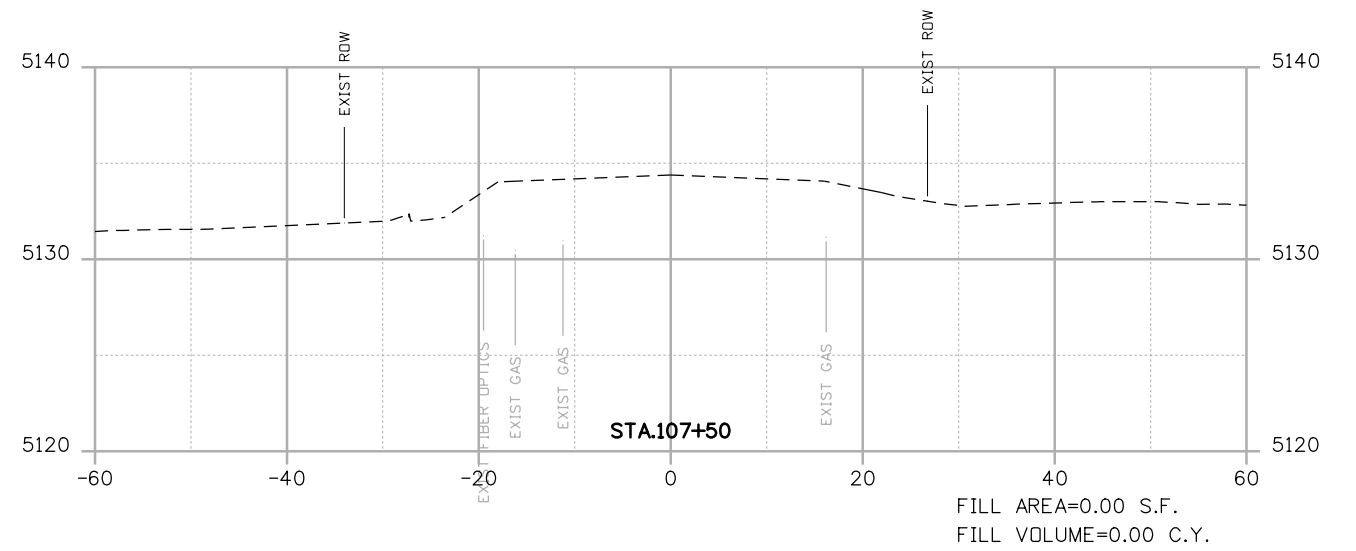
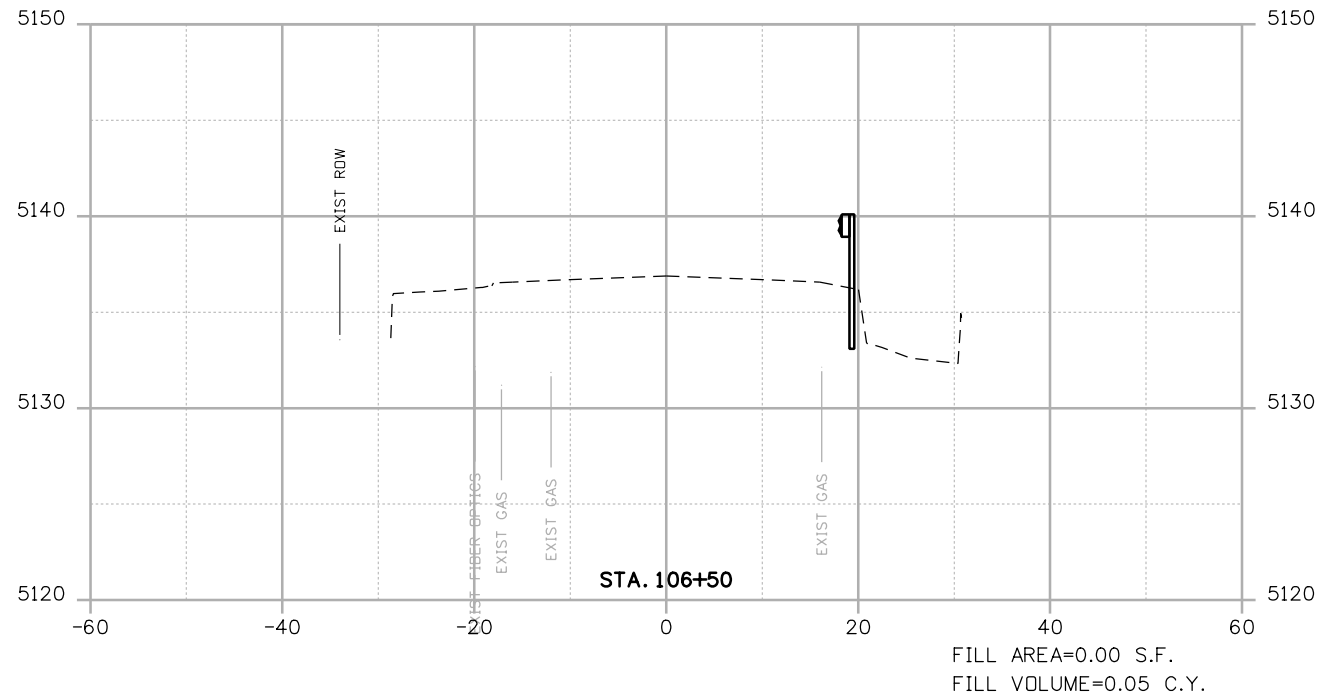
**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**
AECOM
 DESIGNED: CDL CAD: MPR CHECKED: JTS DATE: 02/14/2019



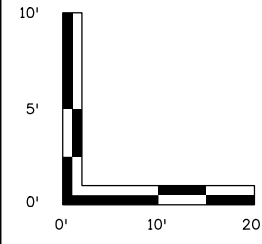
**95TH STREET
 CROSS SECTIONS**
 PROJECT NO: 74030 SHEET NO: ALT9

BID ALTERNATIVE 1

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BID ALTERNATIVE 1



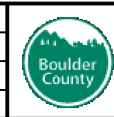
POSS
--- GROUND SURVEY
--- GROUND LIDAR
--- PROPOSED GRADE

RFC



**CALL UTILITY NOTIFICATION
CENTER OF COLORADO**
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**

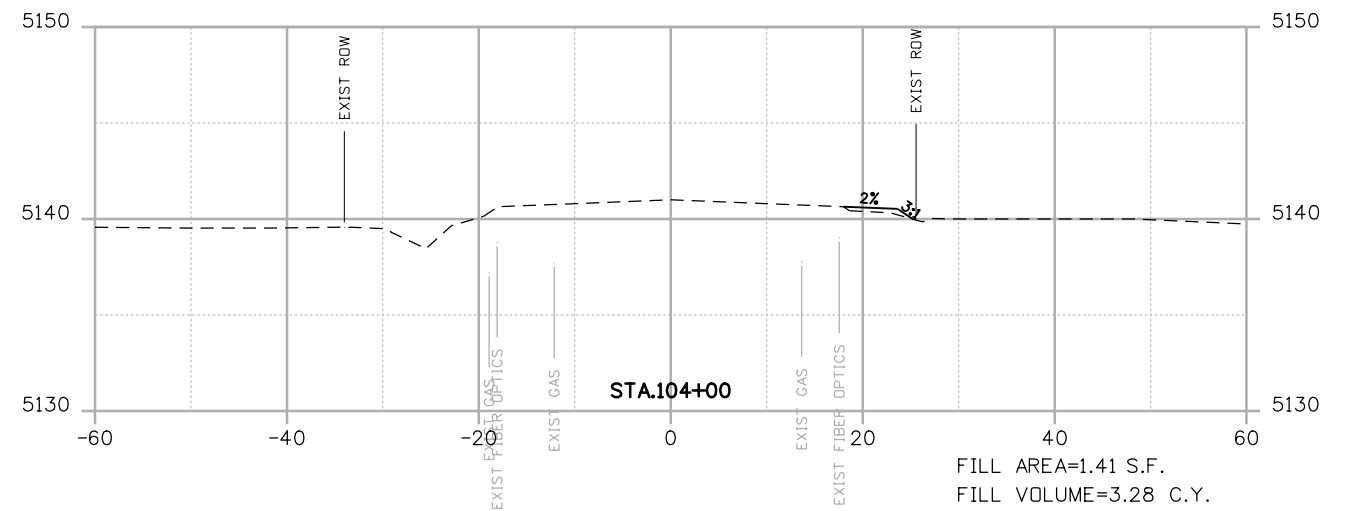
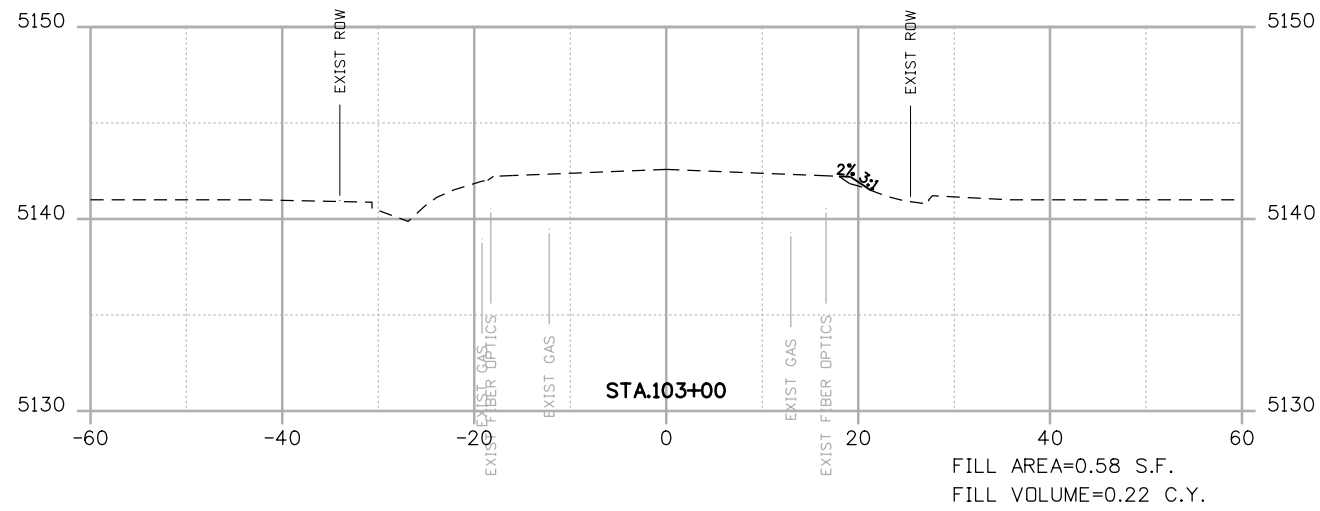
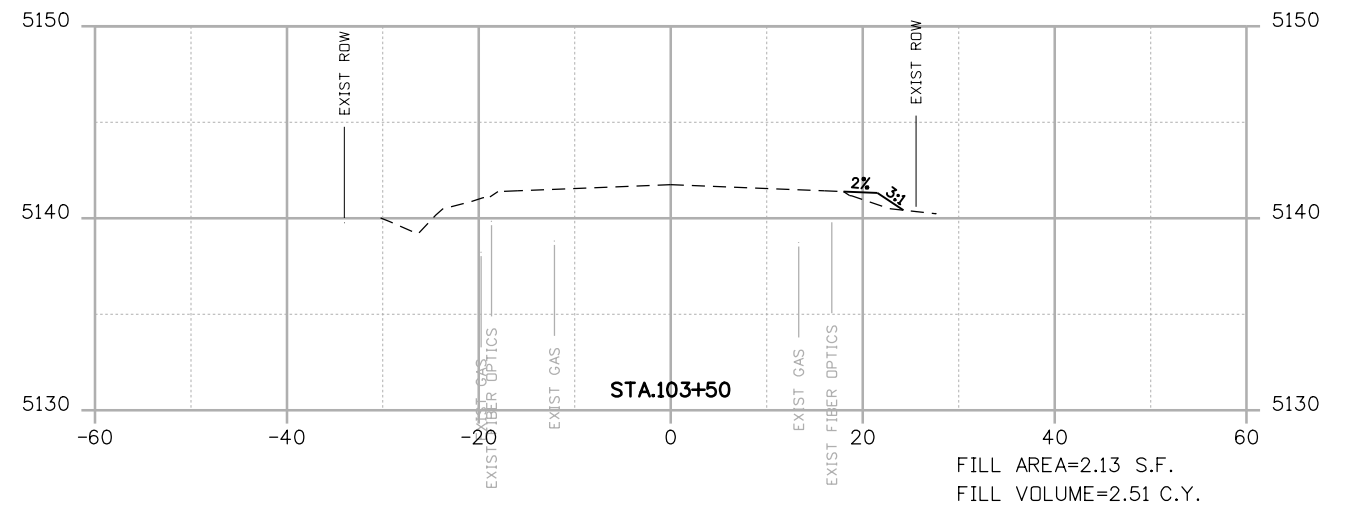
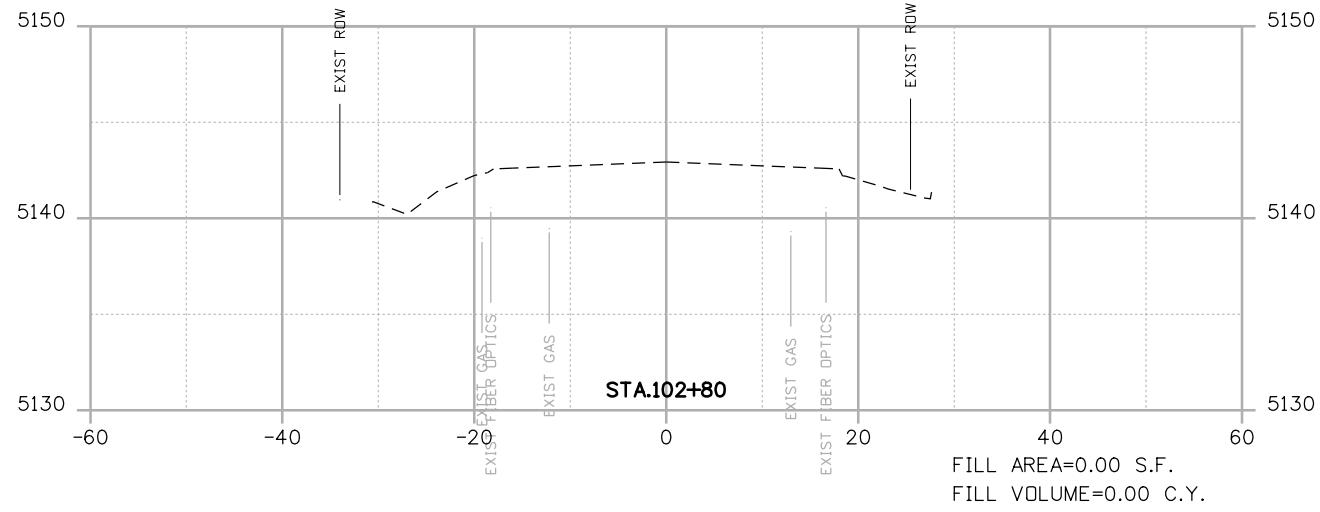
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DESIGNED: CDL CAD: MPR CHECKED: JTS DATE: 02/14/2019

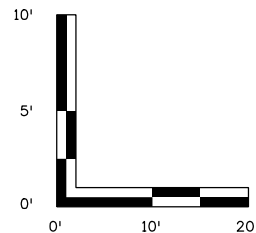
**95TH STREET
CROSS SECTIONS**

PROJECT NO: 74030 SHEET NO: ALT10

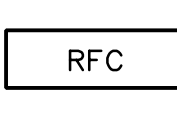
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BID ALTERNATIVE 1



POSS
 - - - - - POINT OF SLOPE SELECTION
 --- GROUND SURVEY
 - - - - - GROUND LIDAR
 - - - - - PROPOSED GRADE



**CALL UTILITY NOTIFICATION
 CENTER OF COLORADO**
 CALL 2-BUSINESS DAYS IN ADVANCE
 BEFORE YOU DIG, GRADE, OR EXCAVATE
 FOR THE MARKING OF UNDERGROUND
 MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
 ENGINEERING DIVISION**



DESIGNED: CDL	CAD: MPR	CHECKED: JTS	DATE: 02/14/2019
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95TH STREET CROSS SECTIONS	
PROJECT NO: 74030	SHEET NO: ALT11