



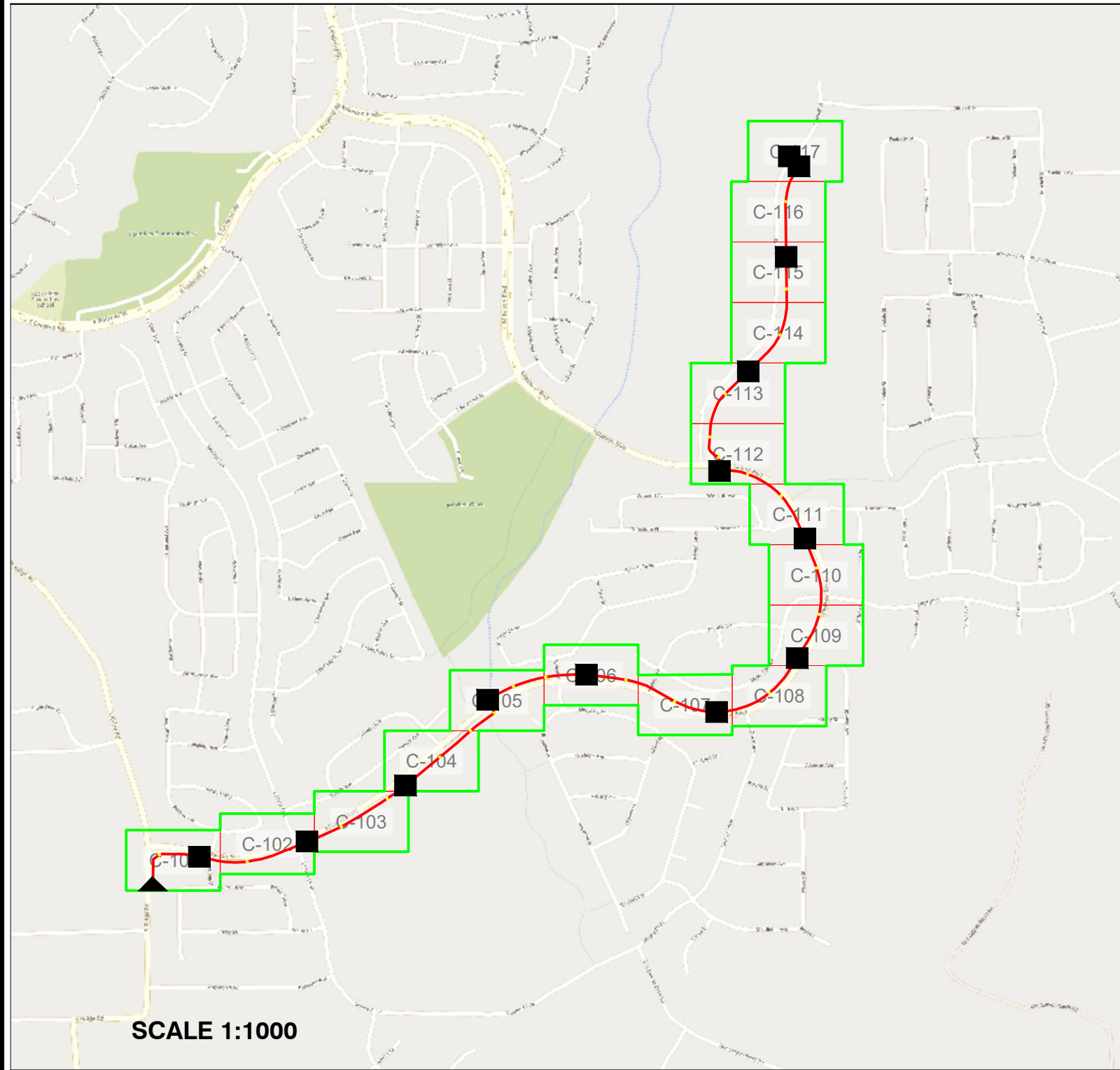
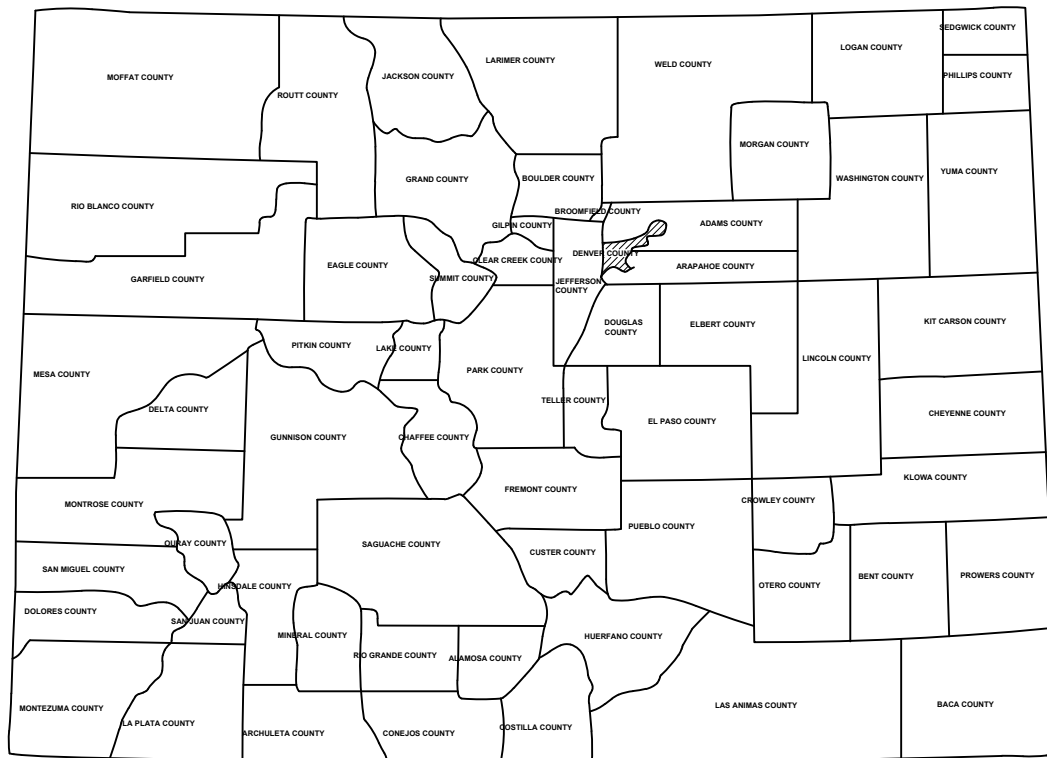
MCI METRO ACCESS TRANSMISSION SERVICES

DRY UTILITY / FIBER OPTIC
CONSTRUCTION PLANS

TOWN OF CASTLE ROCK PROJECT NO. CDXX-XXXX

SITE NAME:
DN1446_DN2000BA_11LAB_5339

365 N MITCHELL ST
CASTLE ROCK, CO. 80104
LATITUDE: 39.37247 LONGITUDE:-104.79578
NEW CONDUIT TOTAL FOOTAGE: 10189 FT
EXISTING CONDUIT TOTAL FOOTAGE: 0 FT
CASTLE ROCK



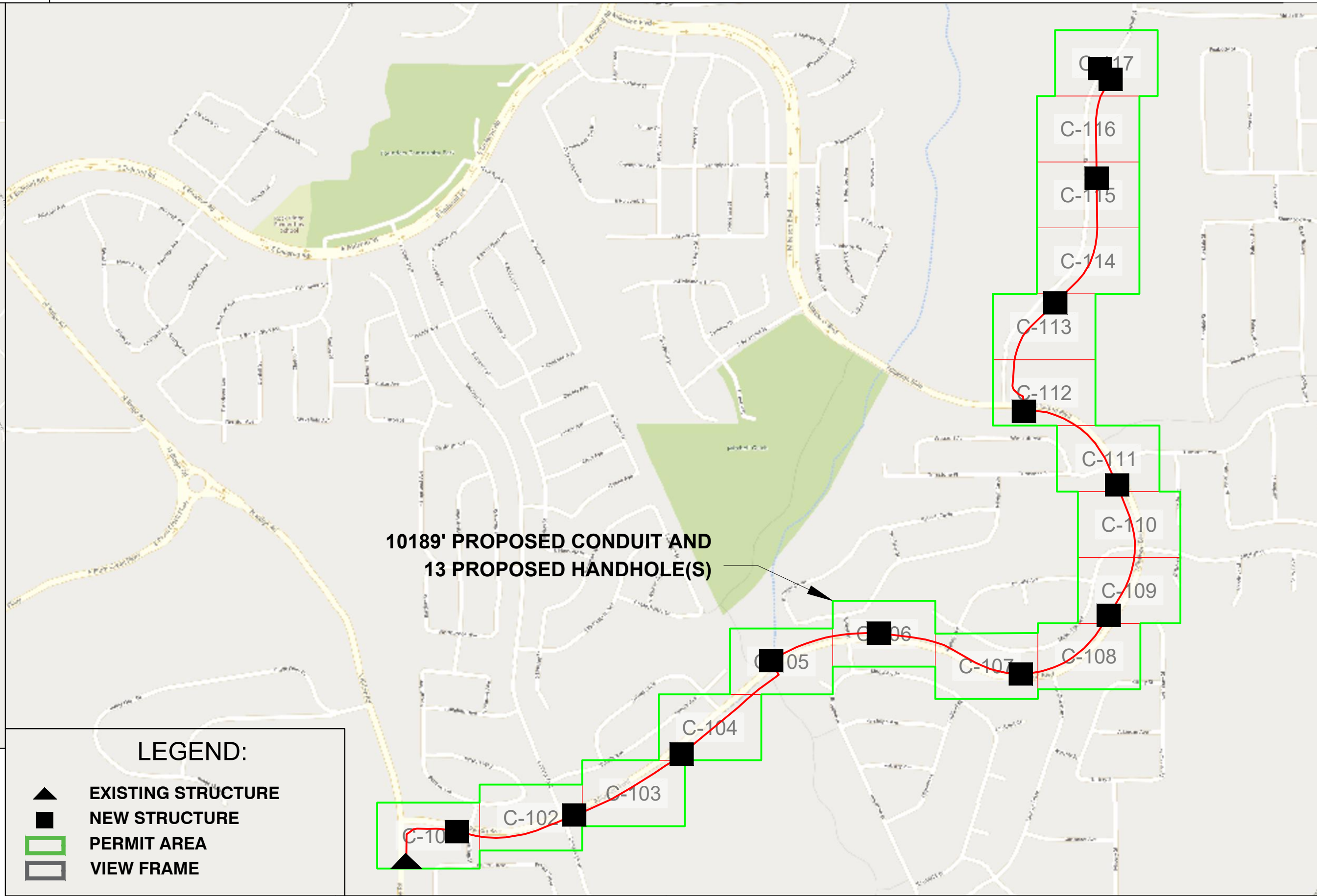
NOTE:

THE PLAT, PARCEL AND RIGHT OF WAY DIMENSIONAL INFORMATION HAS BEEN ACQUIRED AND PLOTTED ON THESE PLANS USING THE BEST AVAILABLE DATA AND AERIAL IMAGERY. ANY UTILITY INFORMATION SHOWN ON PLANS WAS ACQUIRED FROM THE BEST AVAILABLE DATA AND AS REASONABLY OBTAINED BY PHYSICAL FIELD SURVEY. IT REMAINS THE RESPONSIBILITY OF OTHERS TO FIELD VERIFY ALL DATA TO PROJECT START. LINE LOCATES ARE THE RESPONSIBILITY OF OTHERS TO VERIFY CONFLICT HORIZONTALLY AND VERTICALLY OF EXISTING FACILITIES.

INDEMNIFICATION AND ADHERENCE TO STANDARDS STATEMENTS:

THESE PLANS HAVE BEEN REVIEWED BY THE TOWN OF CASTLE ROCK FOR CONCEPT ONLY. THE REVIEW DOES NOT IMPLY RESPONSIBILITY BY THE REVIEWING DEPARTMENT, THE TOWN ENGINEER, OR THE TOWN OF CASTLE ROCK FOR ACCURACY AND CORRECTNESS OF THE CALCULATIONS. FURTHERMORE, THE REVIEW DOES NOT IMPLY THAT QUANTITIES OF ITEMS ON THE PLANS ARE THE FINAL QUANTITIES REQUIRED. THE REVIEW SHALL NOT BE CONSTRUED FOR ANY REASON AS ACCEPTANCE OF FINANCIAL RESPONSIBILITY BY THE TOWN FOR ADDITIONAL QUANTITIES OF ITEMS SHOWN THAT MAY BE REQUIRED DURING THE CONSTRUCTION PHASE.

ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TOWN OF CASTLE ROCK MUNICIPAL CODE, TECHNICAL MANUALS AND/OR OTHER TOWN-APPROVED APPLICABLE STANDARDS.



LEGEND:

- ▲ EXISTING STRUCTURE
- NEW STRUCTURE
- PERMIT AREA
- VIEW FRAME

FCO# : FCO20-00XX	DATE	PURPOSE / DESCRIPTION

SHEET INDEX	
PAGE NUMBER	SHEET NAME
1	COVER SHEET
2-3	GENERAL NOTES
4	SHEET TITLES & POTHOLE LOG
5	CONTACTS AND NOTES
6	SPlicing SCHEDULE
7-8	HANDHOLE DETAILS
9-10	TYPICAL BORE DETAILS
11-12	TYPICALS
13	LEGEND
14-35	PLAN & PROFILE
36	TRAFFIC CONTROL PLANS

APPROVED BY: _____

DATE: _____

DEVELOPMENT SERVICES: _____

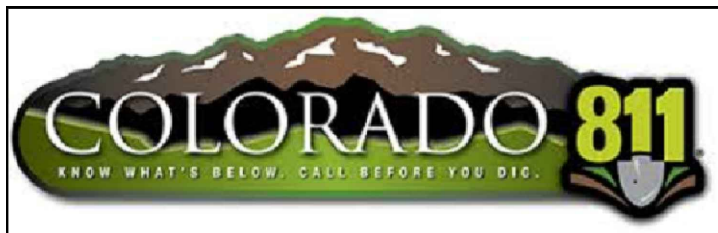
PROFESSIONAL ENGINEER CERTIFICATION

I HEREBY AFFIRM THAT THESE FINAL CONSTRUCTION PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION, IN ACCORDANCE WITH ALL APPLICABLE TOWN OF CASTLE ROCK AND STATE OF COLORADO STANDARDS AND STATUTES, RESPECTIVELY, AND THAT I AM FULLY RESPONSIBLE FOR ALL DESIGN AND REVISION RELATIVE TO SAID PLANS.

DATE: _____

SLACK LOOP STANDARDS PER FIBER SIZE: 864- 75', 432 - 75' ,ALL OTHER FIBER SIZES- 100', ALL AERIAL SLACK LOOPS TO BE 150' AT EVERY 1500' BORES TO BE AT 36" DEPTH TYPICAL, 48" DEPTH AT DOT CROSSINGS IF BORING UNDER TREES IN ROW BORE TO BE DEPTH OF 7' TO AVOID ROOTS

SIDEWALKS AND TRAILS SHOULD REMAIN OPEN DURING CONSTRUCTION AND SHALL NOT BE USED FOR STAGING OR CONSTRUCTION ACCESS.
DAMAGE TO TOWN, HOA, METRO DISTRICT, OR PRIVATE PROPERTY SHALL BE PROMPTLY REPAIRED BY THE CONTRACTOR.
THIS INCLUDES, BUT IS NOT LIMITED TO CONCRETE, LANDSCAPING, IRRIGATION, ELECTRICAL, SITE AMENITIES.
PULL BOXES SHALL BE KEPT OUT OF SIDE WALKS



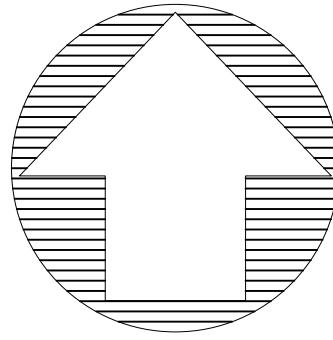
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER TO ALTER THIS DOCUMENT



PROJECT:
DN1446_DN2000BA_11LAB_5339

NED

DENVER, CO



McImetro
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

DENVER, CO NED PERMIT

DATE: 3/2/26

ENGINEER: ADB

DRAWN BY: TAZN

REVISIONS

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MCI COMMUNICATION SERVICES, INC. BOTH BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE

HORIZONTAL: 1" = 50'

VERTICAL: 1" = 50'

SHEET NO: T-1

PAGE NO: 1 OF 36

WORK ORDER:
2509CWYP

TOWN OF CASTLE ROCK: COVER SHEET GENERAL NOTES

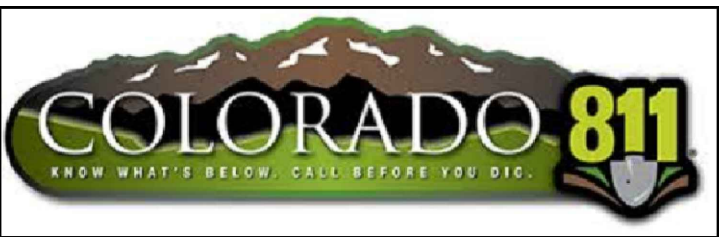
1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF PUBLIC IMPROVEMENTS SHALL MEET OR EXCEED THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE TOWN OF CASTLE ROCK (TOR) MUNICIPAL CODE, TOR TECHNICAL MANUALS, AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE TECHNICAL MANUAL OR ANY APPLICABLE STANDARDS, THE MORE STRINGENT STANDARD SHALL APPLY. ALL WORK SHALL BE INSPECTED AND APPROVED BY THE TOR CONSTRUCTION INSPECTOR.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE.
3. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
4. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE TOWN AND ALL UTILITY COMPANIES INVOLVED WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
5. CONTRACTOR SHALL PROVIDE A MINIMUM SEVENTY-TWO (72) HOURS NOTICE TO THE ON-SITE TOR CONSTRUCTION INSPECTOR, (720) 733-2200, PRIOR TO MAKING ANY CONNECTIONS/TIE-INS TO EXISTING WATER, SANITARY SEWER, AND/OR STORM SEWER SYSTEMS PROVIDED THAT THE UTILITY TIE-IN DOES NOT DISRUPT SERVICE TO EXISTING OR WATER CUSTOMERS. IF THE TIE-IN WILL DISRUPT UTILITY SERVICE, THEN CONTRACTOR SHALL PROVIDE A MINIMUM OF THREE (3) WEEKS NOTICE TO THE TOR CONSTRUCTION INSPECTOR TO ALLOW TIME FOR OR WATER TO PROVIDE WRITTEN NOTIFICATION TO EXISTING CUSTOMERS AFFECTED BY THE TIE-IN. ALL TOWN UTILITY TIE-INS MUST BE APPROVED BY OR WATER PRIOR TO COMMENCING WORK.
6. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE CRITERIA AND SPECIFICATIONS, AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB ON-SITE AT ALL TIMES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
8. IF DURING THE CONSTRUCTION PROCESS CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE TOR CONSTRUCTION INSPECTOR IMMEDIATELY.
9. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD UNLESS SPECIFICALLY STATED OTHERWISE.
10. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD TO THE APPROPRIATE RIGHT-OF-WAY AUTHORITY (TOWN, COUNTY OR STATE) FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN OR AFFECTING THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY THE CONSTRUCTION ACTIVITIES.
11. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A LL LABOR AND MATERIALS NECESSARY F OR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR AS DESIGNATED TO BE PROVIDED, INSTALLED, OR CONSTRUCTED UNLESS SPECIFICALLY NOTED OTHERWISE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT ON THE CONSTRUCTION SITE AND AVAILABLE TO THE TOR CONSTRUCTION INSPECTOR AT ALL TIMES.
13. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. IF PERTINENT DIMENSIONS ARE NOT SHOWN, CONTACT THE CONSULTANT ENGINEER FOR CLARIFICATION AND ANNOTATE THE DIMENSION ON THE AS-BUILT RECORD DRAWINGS.
14. ALL INITIAL SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PER THE TEMPORARY EROSION & SEDIMENT CONTROL (TESC) PLAN PRIOR TO ANY EARTH-DISTURBING ACTIVITY. ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION AT ALL TIMES. REMOVAL OF CONTROL MEASURES SHALL NOT OCCUR WITHOUT THE APPROVAL OF THE STORMWATER INSPECTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE. THE CONTRACTOR SHALL ALSO COMPLY WITH ALL TERMS AND CONDITIONS OF THE COLORADO CONSTRUCTION GENERAL PERMIT FOR STORMWATER DISCHARGES.
15. THE CONTRACTOR SHALL PROVIDE AN ACTION PLAN IMMEDIATELY FOLLOWING THE PRE-CONSTRUCTION MEETING DETAILING SUFFICIENT MEANS TO MITIGATE DUST ON SITE DURING OVERLOT GRADING, ROCK CRUSHING OR OTHER EARTHWORK ACTIVITIES. IF THE CONTRACTOR FAILS TO CONTROL DUST, ALL EARTH DISTURBING ACTIVITIES SHALL BE STOPPED UNTIL SUFFICIENT MEASURES ARE TAKEN TO THE TOWN'S SATISFACTION. THE CONTRACTOR SHALL ALSO COMPLY WITH ALL TERMS AND CONDITIONS OF THE COLORADO AIR QUALITY REGULATIONS FOR LAND DEVELOPMENT, AS REQUIRED.
16. THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF THE WATER LINES AND DRY UTILITIES.
17. THERE SHALL BE NO SITE CONSTRUCTION ACTIVITIES ON SATURDAYS UNLESS SPECIFICALLY APPROVED BY THE TOR CONSTRUCTION INSPECTOR AND NO SITE CONSTRUCTION ACTIVITIES ON SUNDAYS OR HOLIDAYS UNLESS THERE IS PRIOR WRITTEN APPROVAL BY THE PUBLIC WORKS DIRECTOR.
18. NO SOLID OBJECT (EXCLUDING FIRE HYDRANTS AND TRAFFIC CONTROL DEVICES AND TRAFFIC SIGNS), EXCEEDING THIRTY (30) INCHES IN HEIGHT ABOVE THE FINISHING ELEVATION OF THE ADJACENT STREET, INCLUDING BUT NOT LIMITED TO BUILDINGS, UTILITY CABINETS, WALLS, FENCES, LANDSCAPE PLANTINGS, CROPS, CUT SLOPES, AND BERMS, SHALL BE PLACED WITHIN SIGHT DISTANCE LINES AND SIGHT DISTANCE EASEMENTS.
19. THIS PROPERTY IS LOCATED WITHIN ZONE _____ AS PER FEMA FIRM PANEL NO. _____ DATED _____ [IF APPLICABLE] PORTIONS OF THE PROPERTY ARE LOCATED WITHIN A DESIGNATED 100-YEAR FLOODPLAIN ZONE A/AE.
20. PROVIDE BENCHMARK INFORMATION HERE – THE LOCATION, DESCRIPTION AND NAVD88 ELEVATION OF THE PROJECT'S SURVEY BENCHMARK. THE PROJECT BENCHMARK SHALL HAVE A PUBLISHED NAVD88 ELEVATION, I.E. NGS BENCHMARKS OR DOUGLAS COUNTY CONTROL POINTS. IN ADDITION TO THE PROJECT BENCHMARK, ANY ON-SITE BENCHMARKS SHOULD ALSO BE PROVIDED FOR CONTRACTOR USE.
21. PROVIDE A BASIS OF BEARINGS STATEMENT PER COLORADO STATE STATUTE.

TOWN OF CASTLE ROCK: TRACER WIRE INSTALLATION NOTES

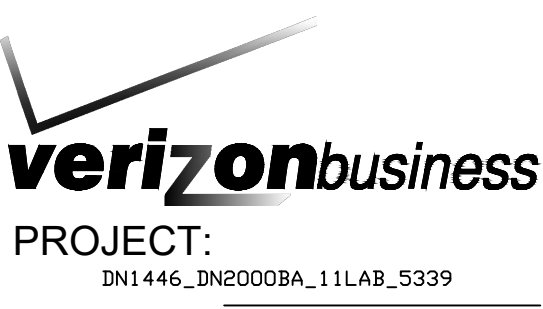
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT TOWN OF CASTLE ROCK STANDARD NOTES, DETAILS AND SPECIFICATIONS.
2. TRACER WIRE IS REQUIRED ON ALL UNDERGROUND PIPE. A MAINLINE TRACER WIRE MUST BE INSTALLED WITH ALL SERVICE LATERAL TRACER WIRES PROPERLY CONNECTED TO ENSURE FULL LOCATING CAPABILITIES FROM A SINGLE CONNECTION POINT.
3. TRACER WIRE COLORS FOR STORM SEWER, DRAIN LINES, SANITARY SEWER, AND WATER MAINS SHALL BE IN ACCORDANCE WITH AMERICAN PUBLIC WORKS ASSOCIATION (APWA) UNIFORM COLOR CODE. ALL GROUNDING WIRE SHALL BE RED OR BLACK.
4. "OPEN TRENCH" TRACER WIRE SHALL BE #8 OR #10 AWG COPPER SOLID OR #12 AWG COPPER CLAD HIGH STRENGTH WITH MINIMUM 30-MIL HDPE INSULATION THICKNESS COMPLYING WITH ASTM D-1248, AND A MINIMUM AVERAGE TENSILE BREAK LOAD OF 450 LBS.
5. TRACER WIRE SHALL BE SECURED EVERY 5 FEET TO THE TOP OF THE PIPE AND TO THE SIDES OF MANHOLES AND INLETS USING TAPE, PLASTIC TIES, OR APPROVED ADHESIVE AT 5-FOOT INTERVALS.
6. TRACER WIRE SHALL BE SECURELY BONDED TOGETHER AT ALL WIRE JOINTS WITH LOCKABLE, CORROSION PROOF, WATERTIGHT CONNECTORS SPECIFICALLY DESIGNED FOR DIRECT BURIAL, AND FILLED WITH NON-HARDENING DIELECTRIC SILICONE SEALANT.
7. ANY DAMAGE OCCURRING DURING INSTALLATION OF THE TRACER WIRE MUST BE IMMEDIATELY REPAIRED BY REMOVING THE DAMAGED WIRE AND INSTALLING A NEW SECTION OF WIRE WITH APPROVED CONNECTORS. TAPING AND/OR SPRAY COATING IS NOT ALLOWED.
8. A MINIMUM OF 2 FEET OF EXCESS/SLACK WIRE IS REQUIRED IN ALL TRACER WIRE TEST STATIONS, MANHOLES, AND INLETS AFTER MEETING FINAL ELEVATION.
9. TRACER WIRE MUST BE PROPERLY GROUNDED AT ALL DEAD ENDS (MANHOLES, INLETS, OUTFALLS, FUTURE CONNECTIONS, ETC.) USING A MAGNESIUM GROUND ROD. THE GROUND ROD WILL BE CONNECTED TO 12- OR 14-AWG COPPER-CLAD STEEL WIRE WITH 30 MIL HDPE INSULATION AND RATED FOR DIRECT BURY USE AT 30 VOLTS WITH 21X CONDUCTIVITY.
10. TEST STATIONS SHALL PROVIDE PROTECTED ACCESS FOR A DIRECT CONNECTION TO THE TRACER WIRE SYSTEM AT GROUND SURFACE.
11. TRUNK LINE TRACER WIRE SHALL BE CONTINUOUS, AND PASS AROUND THE OUTSIDE OF VALVES AND OTHER STRUCTURES ON THE NORTH OR EAST SIDE.
12. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS (EXCAVATION, CONCRETE, TRAFFIC CONTROL, ETC.) AND PROVIDE A MINIMUM TWENTY-FOUR (24) HOURS NOTICE TO THE ON-SITE TOR CONSTRUCTION INSPECTOR, (720) 733-2200, TO REQUEST A TRACER WIRE INSPECTION.
13. ALL NEW TRACER WIRE INSTALLATIONS SHALL BE TESTED AND LOCATED PRIOR TO ACCEPTANCE. TESTING AND LOCATING SHALL BE PERFORMED BY THE TOR CONSTRUCTION INSPECTOR AT THE COMPLETION OF ROUGH GRADING AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT. ANY DEFICIENCIES SHALL BE CORRECTED PRIOR TO FINAL ACCEPTANCE.

SLACK LOOP STANDARDS PER FIBER SIZE: 864- 75', 432 - 75' ,ALL OTHER FIBER SIZES- 100', ALL AERIAL SLACK LOOPS TO BE 150' AT EVERY 1500' BORES TO BE AT 36" DEPTH TYPICAL, 48" DEPTH AT DOT CROSSINGS IF BORING UNDER TREES IN ROW BORE TO BE DEPTH OF 7' TO AVOID ROOTS

SIDEWALKS AND TRAILS SHOULD REMAIN OPEN DURING CONSTRUCTION AND SHALL NOT BE USED FOR STAGING OR CONSTRUCTION ACCESS.
DAMAGE TO TOWN, HOA, METRO DISTRICT, OR PRIVATE PROPERTY SHALL BE PROMPTLY REPAIRED BY THE CONTRACTOR.
THIS INCLUDES, BUT IS NOT LIMITED TO CONCRETE, LANDSCAPING, IRRIGATION, ELECTRICAL, SITE AMENITIES.
PULL BOXES SHALL BE KEPT OUT OF SIDE WALKS

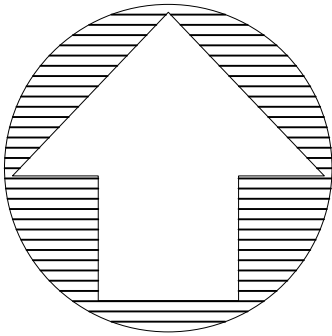


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NED

DENVER, CO



McImetro
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

DENVER, CO NED PERMIT

DATE: 3/2/26

ENGINEER: ADB

DRAWN BY: TAZN

REVISIONS

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SCALE

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VERTICAL: 1" = 50'

SHEET NO: GN-1

PAGE NO: 2 OF 36

WORK ORDER:
2509CWYP

FIBER OPTIC CABLE UNCOVERING SYSTEM

1. THE TITLE OF THIS PROGRAM, F.O.C.U.S., AN ACRONYM FOR "FIBER OPTIC CABLE UNCOVERING SYSTEM," WAS SELECTED TO REMIND EVERYONE INVOLVED WITH WORKING NEAR MCI'S ACTIVE FIBER OPTIC SYSTEMS TO FOCUS ON PROTECTING THE FACILITIES. IF, DURING THE COURSE OF THE PROJECT, YOU NOTICE ANY ACTIVITY WHICH MAY JEOPARDIZE THE MCI OSP FACILITIES, IT IS YOUR DUTY TO STOP THE WORK AND RE-F.O.C.U.S.
2. F.O.C.U.S. RULES MUST BE FOLLOWED ON ALL MCI PROJECTS INVOLVING WORK ON OR NEAR MCI OSP FACILITIES. SAFETY IS MCI'S NUMBER ONE PRIORITY; EVERYONE MUST REFRAIN FROM UNSAFE AND IMPROPER PRACTICES.
3. REVIEW OF F.O.C.U.S. IS MANDATORY AT EVERY PRE-BID, PRE-CONSTRUCTION SITE MEETING AND DAILY TAILGATE MEETING. F.O.C.U.S. DISCUSSION MUST INCLUDE SITE-SPECIFIC HISTORY, UNIQUE PROBLEMS, FACILITY CONFIGURATIONS THAT MAY BE ENCOUNTERED, AND PAST ERRORS. THOSE WHO DO NOT LEARN FROM HISTORY ARE DOOMED TO REPEAT IT." DO NOT LET THIS HAPPEN TO YOU.
4. ANY WORK NEAR OR REQUIRING HANDLING OF MCI OUTSIDE PLANT FACILITIES CAN ONLY BE PERFORMED WITH AN MCI EMPLOYEE OR CONTRACT REPRESENTATIVE PRESENT --- THIS MEANS OUT OF HIS OR HER VEHICLE AND DIRECTLY MONITORING THE SYSTEM. THE REPRESENTATIVE MUST HAVE A PROPERLY OPERATING CABLE LOCATOR CHECKED FOR ACCURACY EVERY DAY PRIOR TO COMMENCEMENT OF WORK (COMPARISON OF LINE AND DEPTH READINGS TO ACTUAL LINE AND DEPTH OF THE CABLE).
5. LOCATE AND POTHOLE REQUIREMENTS:
- 5.1. PRIOR TO ANY EXCAVATION, THE MCI EMPLOYEE OR CONTRACT REPRESENTATIVE MUST VERIFY THE INITIAL LOCATE MARKS COMPLETED BY MCI OPERATIONS. DO NOT TRUST LOCATE RESULTS COMPLETED BY OTHERS! THE MCI OR CONTRACT REPRESENTATIVE MUST LOCATE THE CABLE RUNNING LINE BY MAKING AT LEAST ONE PASS IN EACH DIRECTION. LOCATE RESULTS MUST THEN BE COMPARED WITH PREVIOUS MARKS AND THE AS-BUILTS.
- 5.2. IF THE PROPOSED WORK INVOLVES DIGGING OR EXCAVATING WITHIN 3 FEET OF THE CABLE, THE CABLE ROUTE WILL BE MARKED CONTINUALLY WITH ORANGE PAINT AND SUPPLEMENTED BY MARKER FLAGS PLACED EVERY 10 FT. THE EXCAVATION CONTRACTOR MUST POTHOLE (ALL POTHOLES MUST BE COMPLETED BY HAND DIGGING OR VACUUM EXCAVATION) A MINIMUM OF EVERY 15 FT., THEN EXPOSE THE ENTIRE LENGTH OF THE CABLE BY HAND DIGGING OR VACUUM EXCAVATION.
- 5.3. IF THE PROPOSED WORK INVOLVES DIGGING OR EXCAVATING WITHIN 5 FEET (BUT NOT CLOSER THAN 3 FEET) OF THE CABLE, THE CABLE ROUTE WILL BE MARKED CONTINUALLY WITH ORANGE PAINT AND SUPPLEMENTED BY MARKER FLAGS PLACED EVERY 10 FT. THE EXCAVATION CONTRACTOR MUST POTHOLE THE CABLE A MINIMUM OF EVERY 10 FT.
- 5.4. IF THE PROPOSED WORK INVOLVES DIGGING OR EXCAVATING WITHIN 15 FEET (BUT NOT CLOSER THAN 5 FEET) OF THE CABLE, THE CABLE ROUTE WILL BE MARKED CONTINUALLY WITH ORANGE PAINT AND SUPPLEMENTED BY MARKER FLAGS PLACED EVERY 10 FT. THE EXCAVATION CONTRACTOR MUST POTHOLE THE CABLE A MINIMUM OF EVERY 30 FT.
- 5.5. THE CABLE WILL ALSO BE POTHOLED AT ANY CHANGE IN THE RUNNING LINE OF MORE THAN 1 FT. IN ANY DIRECTION, ANYTIME THE ACCURACY OF THE ELECTRONIC LOCATE IS QUESTIONED, OR THE MARKED RUNNING LINE DOES NOT MATCH THE AS-BUILTS.
6. EXPOSING REQUIREMENTS:
- 6.1. NO MECHANICAL EXCAVATION WITHIN 3 FT. OF OSP FACILITIES WILL BE ALLOWED UNLESS THE FACILITIES HAVE FIRST BEEN PROPERLY LOCATED, POTHOLED, POSITIVELY IDENTIFIED, CONTINUOUSLY EXPOSED BY HAND DIGGING OR VACUUM EXCAVATION, AND THE FACILITIES ARE CLEARLY VISIBLE.
- 6.2. IN ADDITION, MECHANICAL EXCAVATION WITHIN 3 FT. OF OSP FACILITIES REQUIRES ON-SITE PRIOR APPROVAL FROM MCI'S EMPLOYEE OR CONTRACT REPRESENTATIVE.
7. PLEASE REFER TO THE LATEST EDITION OF THE MCI OSP HANDBOOK FOR ADDITIONAL DETAILS. KNOW IT AND FOLLOW IT.

MCI OUTSIDE PLANT CONSTRUCTION GENERAL REQUIREMENTS:

1. ALL FEDERAL, STATE AND LOCAL SAFETY REGULATIONS MUST BE FOLLOWED WITHOUT EXCEPTION.
2. PERSONAL PROTECTIVE EQUIPMENT APPROPRIATE FOR THE SPECIFIC WORK SITE SHALL BE USED AT ALL TIMES. AT A MINIMUM, HARD HAT, SAFETY SHOES/STEEL-TOED BOOTS, AND FLORESCENT ORANGE OR GREEN WORK VEST ARE REQUIRED UPON ENTERING ANY MCI WORK SITE.
3. USE OF INTOXICANTS, DRUGS, INHALANTS OR ANY OTHER SUBSTANCES THAT MAY IMPAIR ALERTNESS IS STRICTLY PROHIBITED.
4. CONTRACTORS ARE NOT ALLOWED TO CUT ANY CABLE. CABLES SCHEDULED FOR REMOVAL WILL BE CUT BY MCI OPERATIONS PERSONNEL, AND ONLY AFTER VERIFICATION THAT ALL TRAFFIC HAS BEEN OFF-LOADED.
5. EXTREME CAUTION MUST BE USED AT ALL TIMES WHEN WORKING ON OR NEAR ACTIVE CABLES. AN MCI EMPLOYEE OR CONTRACT REPRESENTATIVE MUST APPROVE AND BE PRESENT PRIOR TO AND DURING ALL CABLE HANDLING ACTIVITIES.
6. TOOLS AND EQUIPMENT SPECIFICALLY DESIGNED FOR THE JOB AT HAND ARE REQUIRED. USE THE PROPER TOOL FOR THE JOB.
7. CONDUIT WORK INVOLVING ACTIVE CABLES REQUIRES SPECIALIZED TOOLS SPECIFICALLY DESIGNED TO ACCESS DUCTS WITH ACTIVE CABLES.
8. PROTECTING MCI FACILITIES IS EXTREMELY IMPORTANT; HOWEVER, SAFETY REGARDING YOURSELF AND OTHERS IS THE MOST IMPORTANT PART OF ANY PROJECT.

IN ORDER TO REDUCE THE DISRUPTION AND COST OF UTILITY DAMAGES OCCURRING IN THE RIGHT-OF-WAY AND EASEMENTS, THE PERMITTEE SHALL PREVENT DAMAGES TO EXISTING UTILITIES CAUSED BY THE WORK THROUGH FIELD VERIFICATION OF THE LOCATION OF THE EXISTING UTILITIES IN CASE OF OPEN EXCAVATION. VERIFICATION MAY BE PERFORMED DURING THE PERMITTEES WORK. IN THE CASE OF DIRECTIONAL DRILLING, VERIFICATION SHALL TAKE PLACE PRIOR TO MOBILIZATION OF THE DRILLING EQUIPMENT.

THE PERMITTEE SHALL VERIFY THE LOCATION OF THE EXISTING UTILITIES AS NEEDED TO AVOID CONTACT WITH DETECTION EQUIPMENT OR OTHER ACCEPTABLE MEANS. SUCH METHODS MAY INCLUDE, BUT SHALL NOT BE LIMITED TO -"SOFT DIG"- EQUIPMENT AND GROUND PENETRATING RADAR (GPR). THE EXCAVATOR SHALL BE HELD LIABLE FOR DAMAGES CAUSED TO CITY'S/COUNTIES/STATE INFRASTRUCTURE AND THE EXISTING FACILITIES OF THE OTHER UTILITY COMPANIES.

GENERAL NOTES

1. VERIZON BUSINESS COMPRISES THE FOLLOWING OPERATING ENTITIES:
- MCI COMMUNICATIONS SERVICES, INC.
 - MCI METRO ACCESS TRANSMISSION SERVICES, LLC
 - MCI METRO ACCESS TRANSMISSION SERVICES OF VIRGINIA, LLC
 - MCI METRO ACCESS TRANSMISSION SERVICES OF MASSACHUSETTS, INC.
 - METROPOLITAN FIBER SYSTEMS OF NEW YORK, INC.
2. ALL WORK TO BE DONE WITH EXTREME CAUTION! FIBER OPTIC CABLE IS CARRYING TRAFFIC AND LOSS OF SERVICE WILL RESULT IN LOSS OF REVENUE. CONTRACTOR SHALL NOT WORK IN A MANNER THAT MAY AFFECT TRAFFIC-CARRYING FACILITIES IN THE ABSENCE OF AN MCI EMPLOYEE OR CERTIFIED CONTRACTOR.
3. ALL WORK TO BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES OR REQUIREMENTS OF ANY REGULATING GOVERNMENTAL AGENCY, VERIZON BUSINESS, AND THE RIGHT-OF-WAY GRANTOR.
4. LOCATIONS OF SOME OF THE PHYSICAL FEATURES WERE OBTAINED FROM DATED RAILROAD EVALUATION MAPS OR OTHER DRAWINGS AND MAY NOT BE AS SHOWN OR DEPICTED ON THESE DRAWINGS.
5. UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS, BUT ARE NOT NECESSARILY EXACT. THEREFORE, UTILITY LOCATIONS WILL BE VERIFIED AT LEAST 100 FEET IN ADVANCE OF TRENCHING OR PLOWING, SO THAT CHANGES IN CABLE PLACEMENT CAN BE MADE IN THE EVENT OF CONFLICT.
6. ALL KNOWN BURIED OBSTRUCTIONS ARE SHOWN ON THE CONSTRUCTION DRAWINGS. ANY AND ALL OTHERS ENCOUNTERED ARE ALSO THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, PROTECT AND REPAIR IF DAMAGED.
7. AND ALL IMPROVEMENTS, SUCH AS ASPHALT OR CONCRETE PAVEMENT, CURBS, GUTTERS, WALKS, DRAINAGE DITCHES, EMBANKMENTS, SHRUBS, TREES, GRASS, SOO, ETC., IF DAMAGED, SHALL BE RESTORED TO ORIGINAL OR BETTER THAN ORIGINAL CONDITIONS.
8. EQUIPMENT TYPES SPECIFIED HEREIN (IE: "BACKHOE", "SWAMP PLOW" ETC.) ARE SUGGESTIONS ONLY AND ARE NOT INTENDED AS REQUIREMENTS. CONTRACTOR WILL BE NOTIFIED AS TO EXPECTATIONS.
9. SHORING OF BORE PITS AND TRENCHES IN ACCORDANCE WITH OSHA REGULATIONS IS MANDATORY.
10. BURIED CABLE MARKERS WILL BE PLACED AT ALL UNDERGROUND UTILITY LOCATIONS AND ALL OTHER LOCATIONS IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS AND THE OUTSIDE PLANT HANDBOOK.
11. ALL 2" ID CONDUIT WILL BE HDPE SDR11.

CONSTRUCTION NOTES

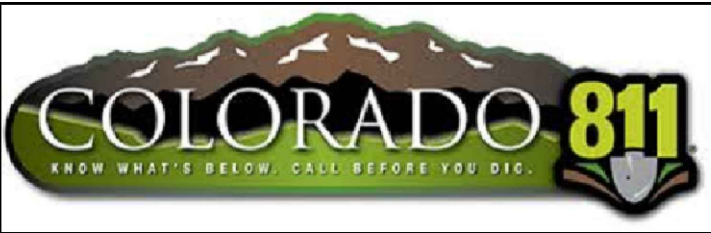
1. ALL CONDUIT WILL BE 2" HDPE SDR11.
2. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES 48 HOURS PRIOR TO CONSTRUCTION ACTMITY. SEE CONTACT SHEET FOR CONTACT NAME AND TELEPHONE NUMBER.
3. ALL UNDERGROUND OBSTRUCTIONS, WHEN LOCATED, WILL REQUIRE THE PLACEMENT OF A BURIED CABLE MARKER.
4. SHORING MAY BE REQUIRED AND SHALL COMPLY TO O.S.H.A. STANDARDS.
5. ALL BURIED CONDUIT/CABLE WILL BE PLACED AT 48" MINIMUM COVER UNLESS SPECIFIED OTHERWISE ON THE CONSTRUCTION DRAWINGS.
6. MECHANICAL PROTECTION SHALL BE REQUIRED ANYTIME A 36" MINIMUM COVER IS UNOBTAINABLE UNLESS SPECIFIED OTHERWISE ON THE CONSTRUCTION DRAWINGS.
7. OPERATIONS PERSONNEL TO BE CONTACTED BY THE CONTRACTOR 48 HOURS PRIOR TO CONSTRUCTION. SEE CONTACT SHEET FOR CONTACT NAME AND TELEPHONE NUMBER.
8. ALL STATIONING IS BASED ON AS-BUILT INFORMATION, THEREFORE SOME VARIANCE SHOULD BE ANTICIPATED. ADJUST AS NEEDED.
9. RAILROAD COMMUNICATION AND SIGNAL CABLES TO BE LOCATED PRIOR TO CONSTRUCTION ACTIVITY. RAILROAD ROUTES SHALL BE IMPLEMENTED AS FOLLOWS:
- 10.1. ON THOSE ROUTES THAT ARE CONSIDERED TO BE IN A NORTH TO SOUTH GEOGRAPHICAL ORIENTATION, THE SOUTHERN-MOST SIGN AND POST SHOULD BE REMOVED. * FOR NEW ROUTES BEING CONSTRUCTED, ONE SIGN POST WILL BE PLACED AT THE NORTH END OF EACH HANDHOLE.
- 10.2. ON THOSE ROUTES THAT ARE CONSIDERED TO BE IN AN EAST TO WEST GEOGRAPHICAL ORIENTATION, THE WESTERN-MOST SIGN AND POST SHOULD BE REMOVED. *FOR NEW ROUTES BEING CONSTRUCTED, ONE SIGN POST WILL BE PLACED AT THE EAST END OF EACH HANDHOLE.

EROSION CONTROL NOTES

- THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL ENSURE THAT ALL POTENTIAL POLLUTANTS GENERATED DURING DEMOLITION OR CONSTRUCTION WORK ASSOCIATED WITH THIS PROJECT, BE PREVENTED FROM DISCHARGE TO STORMWATER CONVEYANCE SYSTEMS IN THE VICINITY OF THIS PROJECT SITE IN ACCORDANCE WITH THE FOLLOWING:
1. THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL PREVENT SEDIMENT, DEBRIS AND ALL OTHER POLLUTANTS FROM ENTERING THE STORM SEWER SYSTEM DURING ALL DEMOLITION, EXCAVATION, TRENCHING, BORING, GRADING, OR OTHER CONSTRUCTION OPERATIONS THAT ARE PART OF THIS PROJECT. THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL BE HELD RESPONSIBLE FOR REMEDIATION OF ANY ADVERSE IMPACTS TO THE MUNICIPAL SEPARATE STORM SEWER SYSTEM, SEWING WATERS, WATERWAYS, WETLANDS, AND OR OTHER PUBLIC OR PRIVATE PROPERTIES, RESULTING FROM WORK DONE AS PART OF THIS PROJECT.
2. THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO OR, ACCUMULATE IN THE FLOW LINES OF STORM DRAINAGE APPURTENANCES, AND PUBLIC RIGHTS OF WAYS OF THE CITY AND COUNTY OF DENVER, AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT. ALL REMOVALS SHALL BE CONDUCTED IN A TIMELY MANNER.
3. THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL INSURE THAT ALL LOADS OF CUT AND FILL MATERIAL IMPORTED TO OR EXPORTED FROM THIS SITE SHALL BE PROPERLY COVERED TO PREVENT LOSS OF THE MATERIAL DURING TRANSPORT ON PUBLIC RIGHTS OF WAY. (SEC.49--552; REVISED MUNICIPAL CODE).
4. THE USE OF REBAR TO ANCHOR BEST MANAGEMENT PRACTICES, OTHER THAN PORTABLE TOILETS, IS PROHIBITED.
5. THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL IMPLEMENT THE FOLLOWING BEST MANAGEMENT PRACTICES (BMPs) ON SITE DURING CONSTRUCTION:
- A) VEHICLE TRACKING CONTROL: THIS BMP IS REQUIRED AT ALL ACCESS POINTS FOR INGRESS/EGRESS FROM OFF-SITE IMPERVIOUS SURFACES TO CONSTRUCTION SITE. PERVIOUS AREAS THAT MAY RECEIVE SITE RUNOFF MUST BE APPROPRIATE TO THE TYPE OF STORM INLET AND THE INLET.
- B) INLET PROTECTION: THIS BMP IS REQUIRED ON ALL EXISTING OR PROPOSED STORM SEWER INLETS THAT MAY RECEIVE SITE RUNOFF. THIS BMP MUST BE LIMITED TO SMALL AREAS OF THE PROJECT SITE. ACCEPTABLE BMPs INCLUDE:
- i. MULCHING AND SEEDING
 - ii. SEEDING AND PLANTING
 - iii. MULCHING AND SEEDING
 - iv. MULCHING AND SEEDING
 - v. MULCHING AND SEEDING
 - vi. CHEMICAL SOIL STABILIZER APPLICATION (REQUIRES WMD APPROVAL)
- C) EROSION AND SEDIMENT CONTROL: THIS BMP IS REQUIRED TO PREVENT EROSION AND SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM. THIS BMP IS PARTICULARLY NECESSARY ON SITES WHERE CONSTRUCTION ACTIVITIES WILL BE LIMITED TO SMALL AREAS OF THE PROJECT SITE.
- D) BEST MANAGEMENT PRACTICES: THIS BMP REQUIRES THAT ALL CONSTRUCTION WASTES, FUELS, OILS, GREASES, AND OTHER MATERIALS BE TRAPPED OR DISCHARGED ON SITE, PROTECTED FROM CONTACT WITH PRECIPITATION OR SURFACE RUNOFF, PERIODICALLY REMOVED FROM THE CONSTRUCTION SITE, AND PROPERLY DISPOSED OF.
- E) SPILL PREVENTION /CONTAINMENT: THIS BMP DEFINES THE MEASURES PROPOSED FOR PREVENTING, CONTAINING, AND REMOVING SPILLS OF OILS, GREASES, AND OTHER MATERIALS FROM CONTACT WITH PRECIPITATION OR RUNOFF.
- F) CHUTE WASHOUT CONTAINMENT: WATER USED IN THE CLEANING OF CEMENT TRUCK DELIVERY CHUTES SHALL BE DISCHARGED INTO A PREPARED BERMED CONTAINMENT AREA ON THE JOB SITE. THE REQUIRED CONTAINMENT AREA IS TO BE BERMED SO THAT WASH WATER IS NOT RELEASED. WASH WATER DISCHARGED INTO THE CONTAINMENT AREA SHALL BE ALLOWED TO INFLUENTIATE OR EXHAUSTIVE. DEBRIS/CEMENT WASTE IS REMOVED FROM THE SUBJECT OR INDIRECT DISCHARGE OF WATER CONTAINING WASTE CEMENT TO THE STORM SEWER SYSTEM IS PROHIBITED (SEC.56--102A, C; REVISED MUNICIPAL CODE, CITY AND COUNTY OF DENVER).
- G) SWEEPING: THIS BMP REQUIRES THAT IMPERVIOUS SURFACES WHICH ARE ADJACENT TO OR CONTAINED WITHIN CONSTRUCTION SITES BE SWEEPED ON A DAILY BASIS OR AS NEEDED DURING THE DAY WHEN SEDIMENT AND OTHER MATERIALS ARE TRACKED OR DISCHARGED ON TO THEM. EITHER SWEEPING BY HAND OR USE OF STREET SWEEPERS IS ACCEPTABLE. STREET SWEEPERS USING WATER WHILE SWEEPING IS PREFERRED IN ORDER TO MINIMIZE DUST.
- H) PERIMETER CONTROL: THIS BMP REQUIRES THAT A CONSTRUCTION SITE INSTALL A PERIMETER CONTROL MEASURE ALONG THE EDGE OF THE CONSTRUCTION SITE. THE TYPE OF PERIMETER CONTROL USED SHALL BE DETERMINED BASED ON SITE CONDITIONS AND LOCATION. MAINTENANCE AND REPAIR OF THE CONTROL MEASURE SHALL OCCUR AS NEEDED, IN A TIMELY MANNER.
- I) STOCK PILES: SOILS THAT WILL BE STOCKPILED FOR MORE THAN THIRTY (30) DAYS SHALL BE PROTECTED FROM WIND AND WATER EROSION WITHIN FOURTEEN (14) DAYS OF STOCKPILE CONSTRUCTION. STABILIZATION OF STOCKPILES LOCATED WITHIN 100 FEET OF RECEIVING WATERS, OR WITHIN 1 TO 100 FEET OF GREATER SHALL BE COMPLETED WITHIN SEVEN (7) DAYS FOLLOWING STOCKPILE CONSTRUCTION. STABILIZATION AND PROTECTION OF THE STOCKPILE MAY BE ACCOMPLISHED BY ANY OF THE FOLLOWING: MULCHING, TEMPORARY/PERMANENT REVEGETATION OPERATIONS, CHEMICAL SOIL STABILIZER APPLICATION (REQUIRES DENVER ROTI APPROVAL), OR EROSION CONTROL MATTING/GEOTEXTILES. IF STOCKPILES ARE LOCATED WITHIN 100 FEET OF RECEIVING WATERS, A DRAINAGEWAY OR THE SITE PERIMETER, ADDITIONAL SEDIMENT CONTROLS SHALL BE REQUIRED.
- J) SAW CUTTING OPERATIONS: THE CONTRACTOR SHALL PROTECT ALL STORM SEWER FACILITIES ADJACENT TO ANY LOCATION WHERE PAVEMENT, CURB, GUTTER, OR OTHER FACILITIES ARE TO BE REMOVED. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL WASTE PRODUCTS GENERATED BY SAID CUTTING OPERATIONS ON A DAILY BASIS OR AS NEEDED THROUGHOUT THE WORK DAY. THE DISCHARGE OF ANY WATER CONTAMINATED BY WASTE PRODUCTS FROM CUTTING OPERATIONS TO THE STORM SEWER SYSTEM IS PROHIBITED. (SEC.56--102A, C; REVISED MUNICIPAL CODE, CITY AND COUNTY OF DENVER).
- K) STRUCTURAL CONTROLS: DEVELOPMENT SITES THAT ARE REQUIRED TO PROVIDE DETENTION AND WATER QUALITY ENHANCEMENT FACILITIES FOR STORM RUNOFF NEED TO INSTALL THE DETENTION FACILITIES EARLY IN THE CONSTRUCTION BUILD-OUT OF THE SITE. PROJECTS THAT ARE USING UNDERGROUND DETENTION ARE REQUIRED TO INSTALL A PRETREATMENT STRUCTURE(S) OR SEDIMENTATION BASINS AS A MEANS OF TREATING POTENTIALLY POLLUTED STORM WATER PRIOR TO ENTERING THE DETENTION STRUCTURE. USE OF THESE STRUCTURES IS REQUIRED FOR ENTRAPPING SEDIMENT AND CONSTRUCTION DEBRIS DURING THE ACTIVE CONSTRUCTION PHASE OF THE PROJECT. A NARRATIVE SECTION OF A MANAGEMENT PLAN SHOULD ADDRESS OPERATION AND MAINTENANCE OF THE STRUCTURAL CONTROLS BEING USED AS AN ACTIVE CONSTRUCTION BMP.
6. EROSION AND SEDIMENT CONTROL 'BEST MANAGEMENT PRACTICES' SHALL BE MAINTAINED AND KEPT IN EFFECTIVE OPERATING CONDITION FOR THE DURATION OF THIS PROJECT. ALL NECESSARY MAINTENANCE AND REPAIR SHALL BE COMPLETED IMMEDIATELY UPON DISCOVERY OF ANY DEFICIENCY OR DEFECT.

SLACK LOOP STANDARDS PER FIBER SIZE: 864- 75', 432 - 75' ,ALL OTHER FIBER SIZES- 100'. ALL AERIAL SLACK LOOPS TO BE 150' AT EVERY 1500' BORES TO BE AT 36" DEPTH TYPICAL, 48" DEPTH AT DOT CROSSINGS IF BORING UNDER TREES IN ROW BORE TO BE DEPTH OF 7' TO AVOID ROOTS

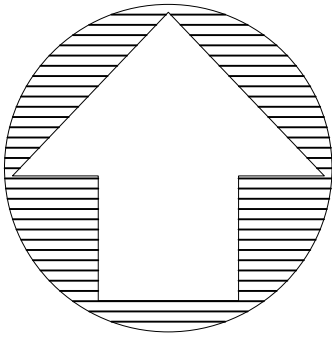
SIDEWALKS AND TRAILS SHOULD REMAIN OPEN DURING CONSTRUCTION AND SHALL NOT BE USED FOR STAGING OR CONSTRUCTION ACCESS.
DAMAGE TO TOWN, HOA, METRO DISTRICT, OR PRIVATE PROPERTY SHALL BE PROMPTLY REPAIRED BY THE CONTRACTOR.
THIS INCLUDES, BUT IS NOT LIMITED TO CONCRETE, LANDSCAPING, IRRIGATION, ELECTRICAL, SITE AMENITIES.
PULL BOXES SHALL BE KEPT OUT OF SIDE WALKS



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER TO ALTER THIS DOCUMENT



NED
DENVER, CO



ALL UTILITIES LOCATED BY VISUAL INSPECTION, TO BE VERIFIED BY LOCATES
EOT REPRESENTS EDGE OF TRAVEL NOT TRUE EDGE OF PAVEMENT
EOP REPRESENTS THE TRUE EDGE OF PAVEMENT
EOD REPRESENTS THE EDGE OF DIRT
HAND DIG TRENCHES 48" DEEP ACROSS DIRT ROAD

McImetro
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC CABLE ROUTE
DENVER, CO NED PERMIT

DATE: 3/2/26

ENGINEER: ADB

DRAWN BY: TAZN

REVISIONS

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MCI COMMUNICATION SERVICES, INC. BOTH BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE

HORIZONTAL: 1" = 50'

VERTICAL: 1" = 50'

SHEET NO: GN-2

PAGE NO: 3 OF 36

WORK ORDER:
2509CWYP

TOWN OF CASTLE ROCK APPROVAL
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM
DATE OF DEVELOPMENT SERVICES APPROVAL

APPROVED BY:

DEVELOPMENT SERVICES DATE

PROFESSIONAL ENGINEER CERTIFICATION

I HEREBY AFFIRM THAT THESE FINAL CONSTRUCTION PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION, IN ACCORDANCE WITH ALL APPLICABLE TOWN OF CASTLE ROCK AND STATE OF COLORADO STANDARDS AND STATUTES, RESPECTIVELY, AND THAT I AM FULLY RESPONSIBLE FOR ALL DESIGN AND REVISION RELATIVE TO SAID PLANS.

DATE

VERIZON ONE FIBER – DENVER PROJECT

TO: GREG FRITZ
MCI METRO ACCESS TRANSMISSION SERVICES
GLOBAL TRANSPORT, ENGINEERING & IMPLEMENTATION
9706 E. EASTER AVE, SUITE 100
ENGLEWOOD, CO 80112
(303) 961-3140 (CELL)
(303) 539-3238 (TEL)
EMAIL: greg.fritz@verizon.com

FROM: IAN MALLAMS
PERMITTING MANAGER
6880 S YOSEMITE CT, SUITE 200
CENTENNIAL, CO 80112
(406) 871-4887
EMAIL: IMALLAMS@adb-us.com

CONTACTS:

CITY AND COUNTY GOVERNMENT:

DOUGLAS COUNTY: MARK RUSSELL
PERMIT TECHNICIAN
COMMUNITY AND ECONOMIC DEVELOPMENT
4430 SOUTH ADAMS COUNTY PARKWAY
BRIGHTON, CO 80601
(702)523-6821
EMAIL: mrussell@adcogov.org

CASTLE ROCK: MONICA CAMMALLERI
OFFICE ASSISTANT, PUBLIC WORKS DEPARTMENT
100 N. WILCOX ST
CASTLE ROCK, CO 80104
(720) 733-3511 OR (303) 814-6414
EMAIL: zoning@crgov.com OR mcammalleri@crgov.com

WATER & SEWER: CASTLE ROCK WATER
175 KELLOGG COURT
CASTLE ROCK, CO 80104
PHONE: (720) 733-6000
FAX: (303) 688-0437

CABLE: COMCAST
118 WILCOX ST., UNIT B
CASTLE ROCK, CO 80104
PHONE: (303) 930-2000

PHONE: LUMEN TECHNOLOGIES
931 14TH STREET
DENVER, CO 80202
PHONE: (800) 244-1111

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THIS INCLUDES, BUT IS NOT LIMITED TO CONCRETE, LANDSCAPING, IRRIGATION, ELECTRICAL, SITE AMENITIES.
PULL BOXES SHALL BE KEPT OUT OF SIDE WALKS

1.0 SCOPE OF WORK

- 1.1 THIS PROJECT SHALL CONSIST OF THE FOLLOWING WORK OPERATIONS:
- THIS WORK PACKAGE IS FOR THE INSTALLATION OF THE MCI METRO ACCESS TRANSMISSION SERVICES NETWORK WHICH INCLUDES, BUT IS NOT LIMITED TO:
- A. UTILIZING EXISTING BURIED AND/OR UNDERGROUND CONDUIT FOR FIBER OPTICS INSTALLATION AND THEIR RELATED ITEMS.
- B. INSTALLATION OF NEW BURIED OR UNDERGROUND CONDUIT FOR FIBER OPTICS INSTALLATION AND THEIR RELATED ITEMS.
- C. AERIAL FIBER OPTICS INSTALLATION AND THEIR RELATED ITEMS.

2.0 DRAWINGS

- 2.1 THE WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE FOLLOWING ATTACHED DRAWINGS THAT ARE HEREBY MADE A PART OF THE STATEMENT OF WORK, BY THIS REFERENCE.

3.0 SPECIFICATIONS

- 3.1 THE WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE SPECIFICATIONS CONTAINED IN THAT CERTAIN "MASTER AGREEMENT, OUTSIDE PLANT MAINTENANCE CONSTRUCTION SERVICES," PROVIDED THAT SUCH AN AGREEMENT EXISTS BETWEEN MCI COMMUNICATIONS SERVICES, INC. AND CONTRACTOR. IN THE ABSENCE OF SUCH AN AGREEMENT, THE SPECIFICATIONS CONTAINED IN AN AGREEMENT TO BE EXECUTED BY THE PARTIES PRIOR TO THE COMMENCEMENT OF WORK SHALL GOVERN.

4.0 MATERIALS

- 4.1 CONTRACTOR SHALL FURNISH AND PLACE ALL MATERIALS REQUIRED FOR THE COMPLETE PERFORMANCE OF THE WORK EXCEPT FOR MATERIALS PROVIDED BY MCI COMMUNICATIONS SERVICES, INC.
- 4.2 CONTRACTOR SHALL RECEIVE MCI COMMUNICATIONS SERVICES, INC. FURNISHED MATERIAL AT AN MCI COMMUNICATIONS SERVICES, INC. LEASED WAREHOUSE FACILITY OR AT THE LOCAL TSO LOCATED AT (CONTACT 24 HOURS IN ADVANCE): 4600 S. SYRACUSE ST, SUITE 800; DENVER, CO 80237 (913) 458-2000.
- ALL UNUSED AND REQUESTED SALVAGED MATERIAL TO BE RETURNED TO SAME ADDRESS
- 4.3 THE RECEIPT OF ALL MATERIALS SHALL BE CONSTRUED AS CONCLUSIVE EVIDENCE THAT THE CONTRACTOR HAS MADE ALL NECESSARY EXAMINATION AND INSPECTIONS, AND IS SATISFIED AS TO THE QUALITY AND QUANTITY OF MATERIALS RECEIVED.
- 4.4 ANY AND ALL MATERIALS THAT MAY BECOME LOST, STOLEN OR DAMAGED SHALL BE REPLACED BY THE CONTRACTOR AT HIS SOLE EXPENSE, AND ANY DELAY INCURRED SHALL NOT BE CAUSE FOR AN EXTENSION IN TIME.
- 4.5 ALL UNUSED MATERIALS SUPPLIED BY MCI COMMUNICATIONS SERVICES, INC. BUT NOT USED IN THE COMPLETION OF WORK SHALL BE RETURNED TO MCI COMMUNICATIONS SERVICES, INC. FOURTEEN (14) DAYS AFTER THE COMPLETION OF THE CONTRACT. MCI COMMUNICATIONS SERVICES, INC. WILL ARRANGE FOR THE TRANSPORTATION OF THESE UNUSED MATERIALS.

5.0 PERMITS

- 5.1 MCI COMMUNICATIONS SERVICES, INC. HAS OBTAINED OR WILL OBTAIN PERMITS FROM DEPARTMENTS AND/OR AGENCIES OF CITIES, COUNTIES, STATES, FEDERAL GOVERNMENT, RAILROAD OR OTHER ENTITIES, WHICH PROVIDE FOR THE PLACING OF PIPES AND/OR CABLE UNDER DITCHES, TRACKS AND ROADS AND PLACING PIPES AND/OR CABLE ALONG AND WITHIN PUBLIC OR PRIVATE ROAD RIGHTS OF WAY AND RAILROAD RIGHTS OF WAY.
- 5.2 CONTRACTOR SHALL OBTAIN ADDITIONAL PERMITS, IF REQUIRED, FOR EQUIPMENT ACCESS OR MOVEMENT ON PUBLIC ROADS AND RAILROADS. COPIES OF SUCH PERMITS SHALL BE FURNISHED TO MCI COMMUNICATIONS SERVICES, INC.
- 5.3 ALL TRAFFIC CONTROL, IF APPLICABLE, SHALL BE IN ACCORDANCE WITH LOCAL, STATE, COUNTY, OR PERMITTING AGENCY LAWS, REGULATIONS, AND REQUIREMENTS, AND WILL BE THE CONTRACTOR'S RESPONSIBILITY. (SEE MCI 046 302 3802.)

6.0 SAFETY AND PRECAUTIONS

- 6.1 ALL PERSONNEL ARE REQUIRED TO ABIDE BY ALL RULES AND REGULATIONS SET FORTH IN THE MCI SAFETY REQUIREMENTS, RAILROAD SAFETY CODE AND GOVERNING JURISDICTION.
- 6.2 THE WORK UNDER THIS CONTRACT WILL BE CONSTRUCTED ALONG RIGHTS OF WAY THAT MAY CONTAIN EXISTING AND OPERATIONAL UTILITIES. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR LOCATING EXISTING UTILITIES AND FOR COMPLIANCE WITH THE REQUIREMENTS OF ANY STATEWIDE AND/OR LOCAL AREA "ONE CALL" (CDOT LIGHTING/ITS NOT ON "ONE CALL" SYSTEM, CONTACT LOCAL CDOT OFFICE) PROGRAM OR AGENCY PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY BEING PERFORMED UNDER THIS CONTRACT. EXTREME CARE MUST BE EXERCISED TO AVOID HITTING OR CAUSING DAMAGE TO ANY SUBSURFACE STRUCTURES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO TIMELY NOTIFY THE OWNERS OF SUBSURFACE PLANT (PLUS THOSE AGENCIES NOT ASSOCIATED WITH THE STATEWIDE AND/OR LOCAL "ONE CALL" (CDOT LIGHTING/ITS NOT ON "ONE CALL" SYSTEM, CONTACT LOCAL CDOT OFFICE) PROGRAM OR AGENCY) IN ADVANCE OF ANY EXCAVATION, BORING OR PLACING WORK AND THE CONTRACTOR SHALL LOCATE AND EXPOSE BY HAND ALL EXISTING SUBSURFACE PLANT. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT HIS SOLE EXPENSE AND ANY DELAY INCURRED SHALL NOT BE CAUSE FOR AN EXTENSION IN TIME OF THE CONTRACT.
- 6.3 CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF PUBLIC AND PRIVATE PROPERTIES. CONTRACTOR SHALL PROTECT, SHORE, BRACE, SUPPORT AND MAINTAIN ALL UNDERGROUND PIPES, CONDUITS, DRAINS, AND OTHER SUBSURFACE STRUCTURES UNCOVERED OR OTHERWISE AFFECTED BY THE WORK.
- 6.4 CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO STREETS, ROADS, HIGHWAYS, SHOULDERS, DITCHES, EMBANKMENTS, CULVERTS, BRIDGES OR OTHER PUBLIC OR PRIVATE PROPERTY OR FACILITY, REGARDLESS OF LOCATION OR CHARACTER, WHICH MAY BE CAUSED BY THE WORK, OR BY MOVING, HAULING, OR OTHERWISE TRANSPORTING EQUIPMENT, MATERIALS OR WORKERS TO OR FROM WORK OR ANY SITE THEREOF, WHETHER BY THE CONTRACTOR OR SUBCONTRACTORS.
- 6.5 DURING ALL PHASES OF CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN WORK AREAS IN A NEAT AND ORDERLY MANNER. CONSTRUCTION EQUIPMENT, MATERIAL AND SUPPLIES THAT ARE STORED ON THE RIGHT OF WAY SHALL NOT RESTRICT ACCESS TO SUCH RIGHT OF WAY OR THE RIGHT OF WAY ITSELF.

7.0 SECURITY

- 7.1 CONTRACTOR IS RESPONSIBLE FOR ALL SECURITY REQUIRED TO PROTECT HIS WAREHOUSE, LAYDOWN, AND STAGING AREA AND THE OUTSIDE PLANT WORK. SECURITY SHALL ALSO INCLUDE TRAFFIC CONTROL WHERE REQUIRED INCLUDING THE USE OF OFF DUTY POLICE OFFICERS.

8.0 STAKING AND SCHEDULING

- 8.1 ALL STAKING WILL BE PROVIDED BY MCI COMMUNICATIONS SERVICES, INC. REQUIRED RIGHT OF WAY CLEARING SHALL BE COMPLETED PRIOR TO STAKING; THEREFORE, THE CONTRACTOR SHALL COORDINATE ALL CLEARING OPERATIONS AND PLACING OPERATIONS WITH THE MCI COMMUNICATIONS SERVICES, INC. PROJECT SUPERVISOR TO AVOID DELAYS AND INTERFERENCE.
- 8.2 MCI COMMUNICATIONS SERVICES, INC. WILL PROVIDE RAILROAD, FLAGMEN AND SIGNALMEN AS REQUIRED; HOWEVER THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE ITS NEEDS FOR SUCH SIGNALMEN AND FLAGMEN WITH MCI COMMUNICATIONS SERVICES, INC.
- 8.3 IN ADDITION TO THE SCHEDULING REQUIREMENTS IN THE GENERAL PROVISIONS, UPON REQUEST THE CONTRACTOR SHALL ALSO SUBMIT, TO THE MCI COMMUNICATIONS SERVICES, INC. PROJECT SUPERVISOR, DAILY CREW ASSIGNMENT REPORTS SPECIFYING CREW AND CREW COMPOSITION AND WORK LOCATION.

9.0 SPECIAL CONSIDERATIONS

- 9.1 DURING THE BIDDING PROCESS THE CONTRACTOR SHOULD CONSIDER THE FOLLOWING ITEMS:
- 9.1.1 CONTRACTOR SHALL BE REQUIRED TO PROVIDE 24-HOUR SECURITY PROTECTION ON ANY EXPOSED CONDUIT/CABLE THAT CONTAINS AN OPERATIONAL FIBER OPTIC CABLE.
- 9.1.2 ALL WASTE AND/OR ABANDONED MATERIALS TO BE REMOVED SHALL BE DISPOSED OF AT A "RECOGNIZED DUMP FACILITY" IN THE AREA AS DESIGNATED BY THE LOCAL GOVERNING AUTHORITY.
- 9.1.3 WHEN WORKING IN THE VICINITY OF A HANDHOLE, MANHOLE, OR SPLICE LOCATION ON AN EXISTING MCI COMMUNICATIONS SERVICES, INC. FIBER OPTIC SYSTEM, ALL CONDUIT/CABLE SWEEPS INTO THE HANDHOLE/MANHOLE/SPLICE BOX MUST BE HAND EXPOSED FOR THEIR ENTIRE LENGTH. THIS EXPOSURE MUST BE DONE UNTIL THE MCI COMMUNICATIONS, SERVICES, INC. INSPECTOR IS SATISFIED THAT THE ENTIRE SWEEP HAS BEEN EXPOSED AND IDENTIFIED. POTHOLES ONLY IS NOT SUFFICIENT IN THIS SITUATION. THIS WILL ALSO INCLUDE THE OPENING OF ALL HANDHOLES FOR VERIFICATION OF CABLE ROUTING INFORMATION.

TOWN OF CASTLE ROCK APPROVAL
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM
DATE OF DEVELOPMENT SERVICES APPROVAL

APPROVED BY:

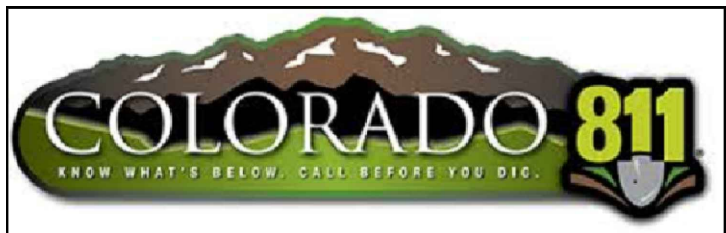
DEVELOPMENT SERVICES

DATE

PROFESSIONAL ENGINEER CERTIFICATION

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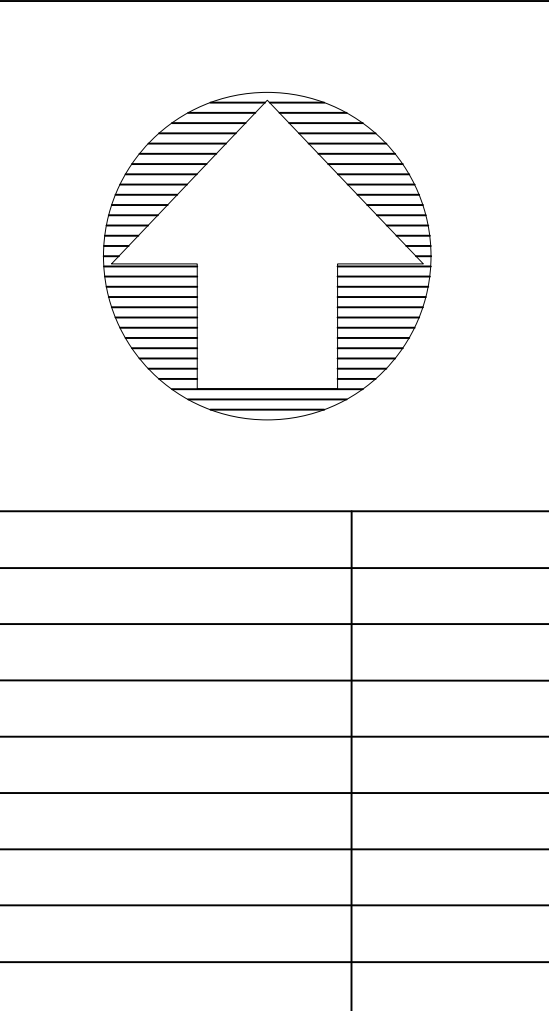
DATE



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NED
DENVER, CO



McMetro
ACCESS TRANSMISSION SERVICES, LLC
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC CABLE ROUTE
DENVER, CO NED PERMIT

DATE: 3/2/26
ENGINEER: ADB
DRAWN BY: TAZN

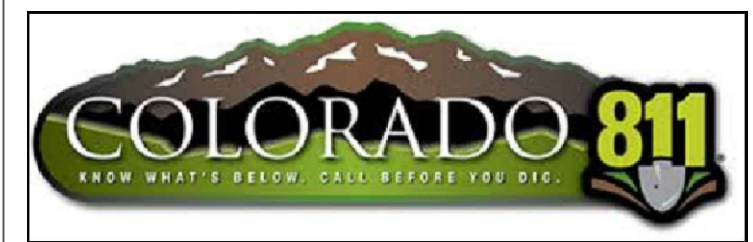
REVISIONS		

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SCALE
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 50'
SHEET NO: T-3
PAGE NO: 5 OF 36
WORK ORDER: 2509CWYP

SLACK LOOP STANDARDS PER FIBER SIZE: 864- 75', 432 - 75' ,ALL OTHER FIBER SIZES- 100', ALL AERIAL SLACK LOOPS TO BE 150' AT EVERY 1500' BORES TO BE AT 36" DEPTH TYPICAL, 48" DEPTH AT DOT CROSSINGS IF BORING UNDER TREES IN ROW BORE TO BE DEPTH OF 7" TO AVOID ROOTS

SIDEWALKS AND TRAILS SHOULD REMAIN OPEN DURING CONSTRUCTION AND SHALL NOT BE USED FOR STAGING OR CONSTRUCTION ACCESS.
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PROJECT:
DN1446_DN2000BA_11LAB_5339

NED

DENVER, CO

MCImetro
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC CABLE ROUTE
DENVER, CO NED PERMIT

DATE:

3/2/26

ENGINEER:

ADB

DRAWN BY:

TAZN

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HORIZONTAL:

1: 50

VERTICAL:

1: 50

SHEET NO:

T-4

PAGE NO:

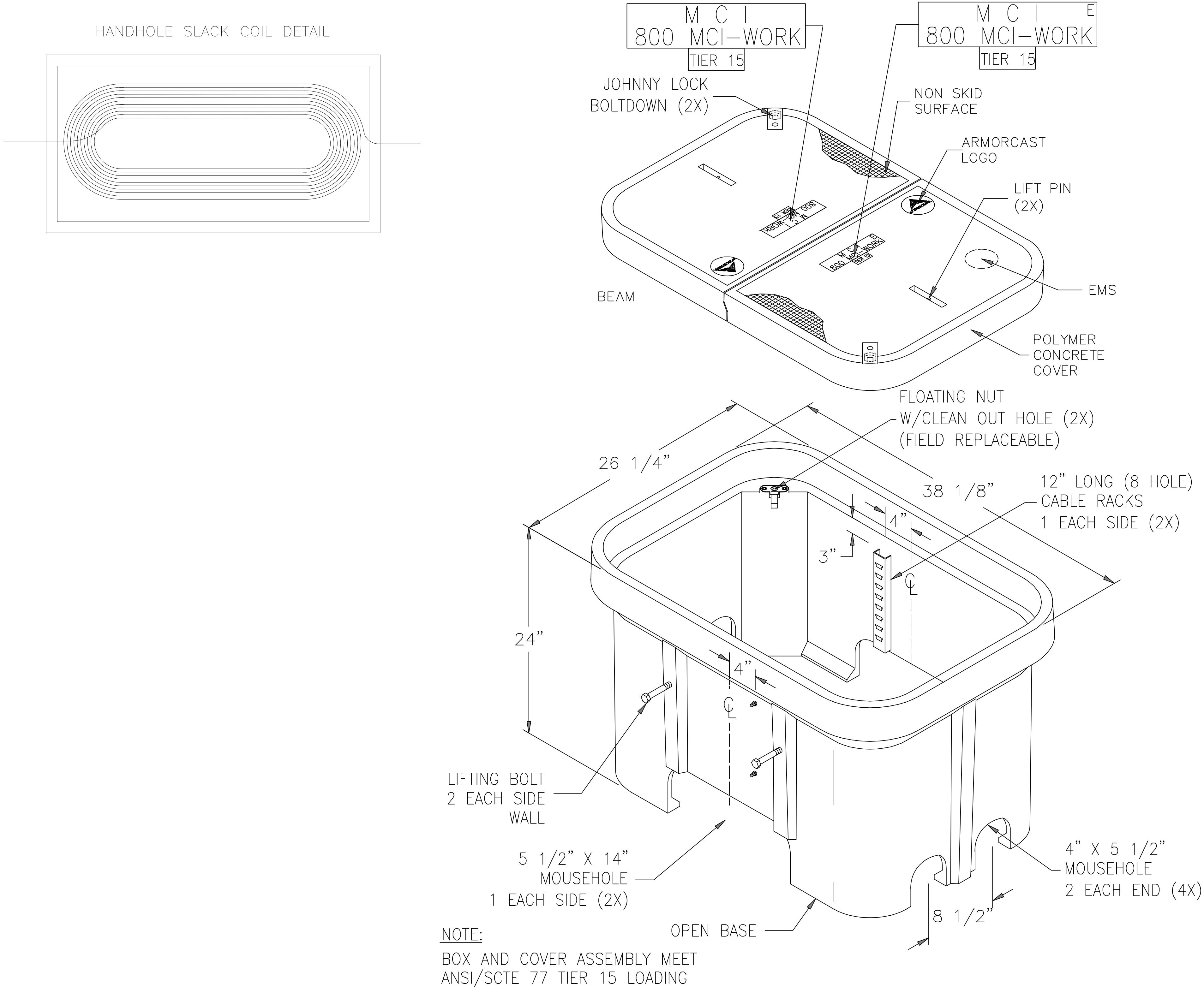
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OF

36

WORK ORDER:

2509CWYP



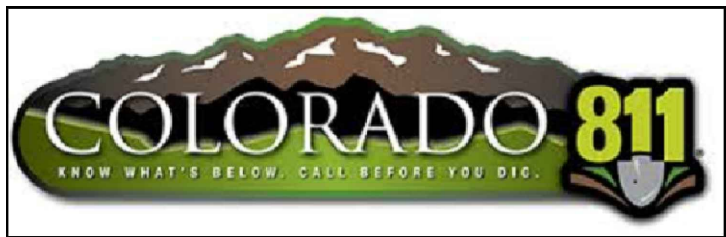
NOTE:

BOX AND COVER ASSEMBLY MEET
ANSI/SCTE 77 TIER 15 LOADING

24" X 36" X 24" POLYMER CONCRETE BOX ASSEMBLY
PART # A6001974TAPMCI3

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MCImetro ACCESS TRANSMISSION SERVICES, LLC	OUTSIDE PLANT CONSTRUCTION TITLE: FIBER OPTIC CABLE ROUTE DENVER, CO NED PERMIT
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DATE:	3/2/26
ENGINEER:	ADB
DRAWN BY:	TAZN

REVISIONS		

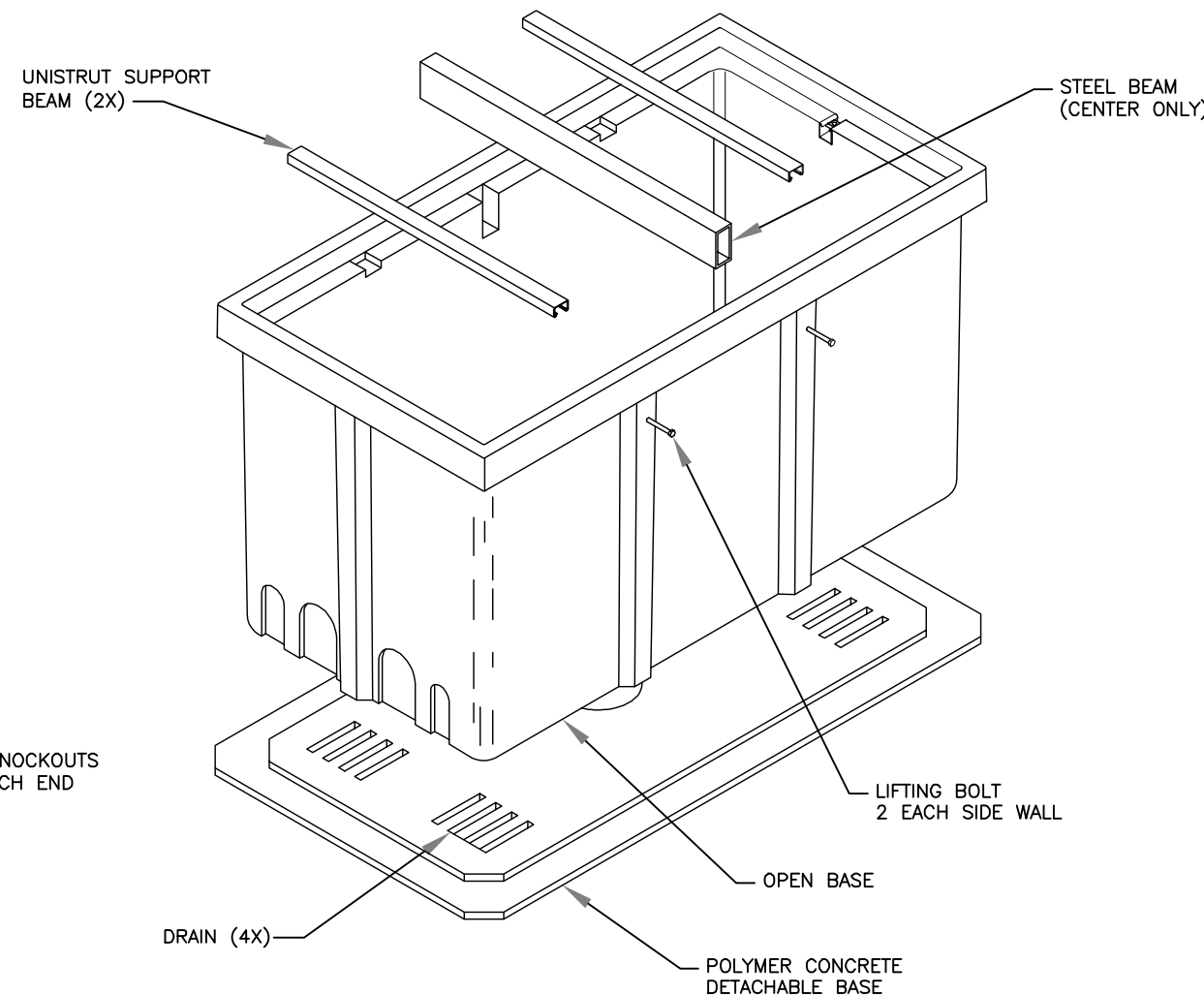
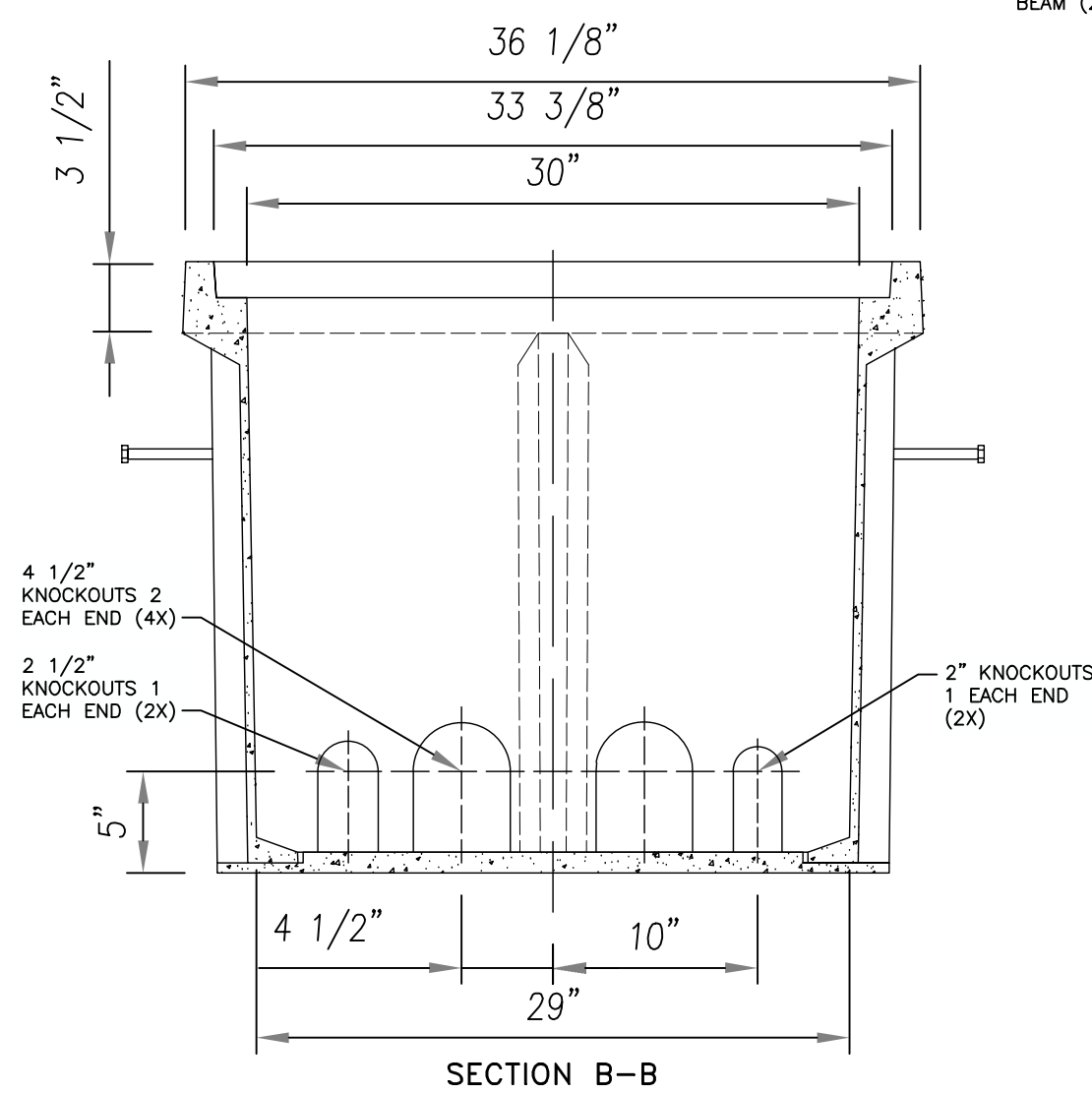
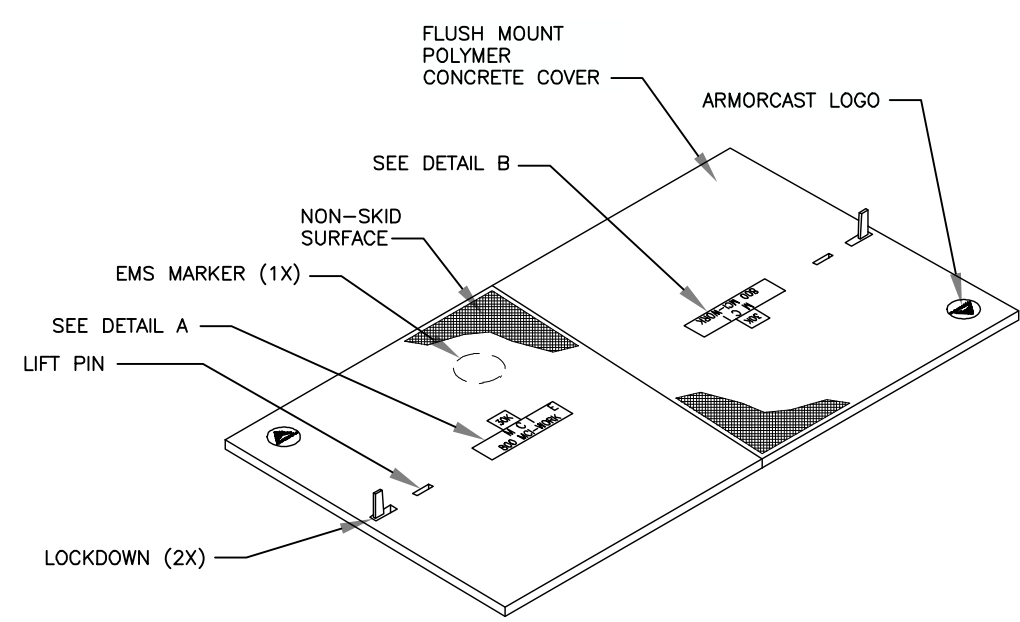
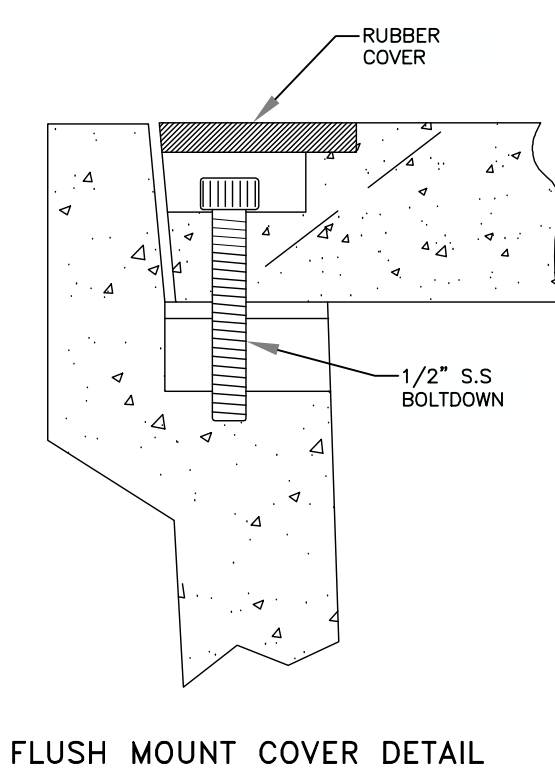
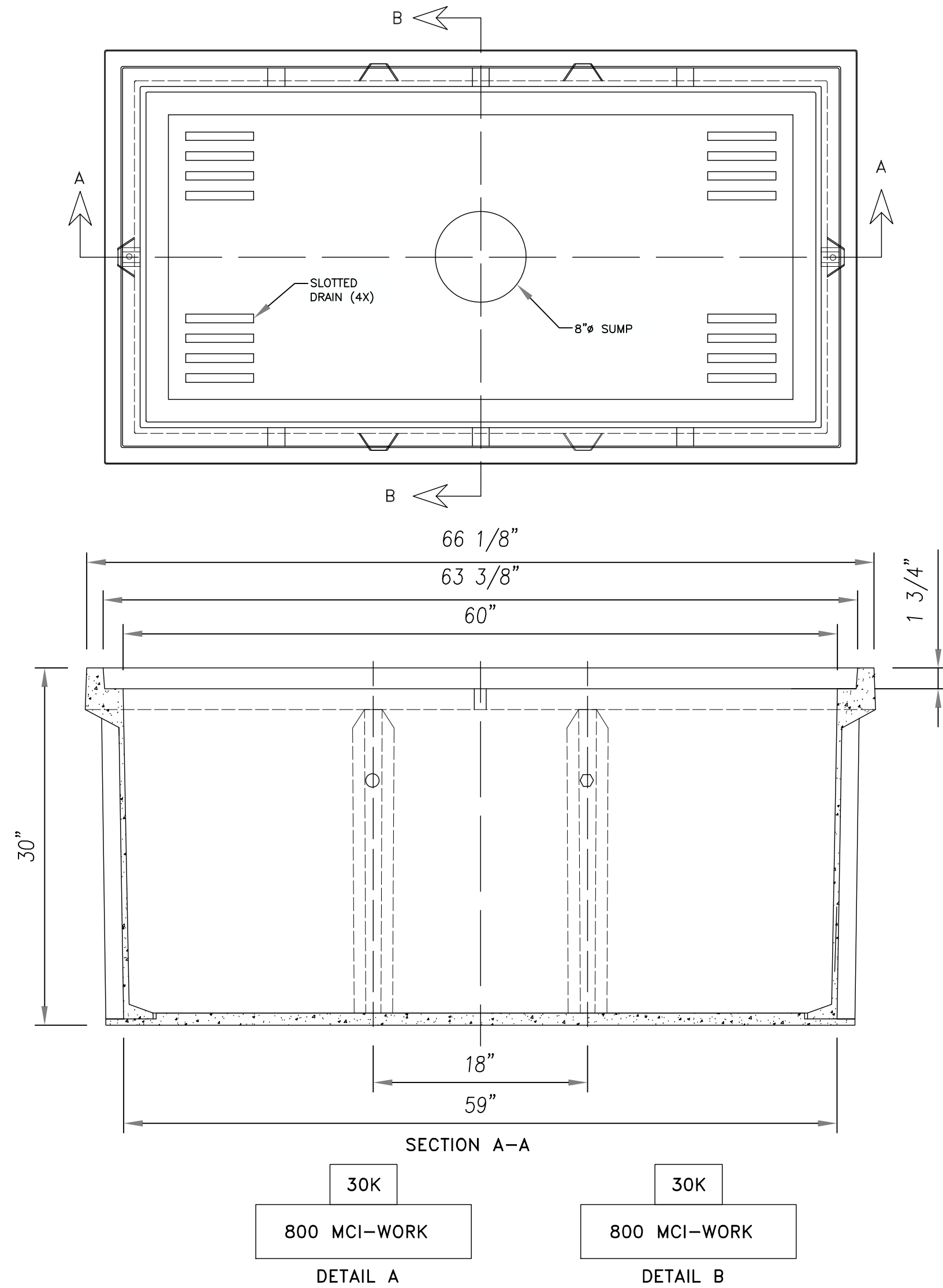
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SHEET NO:	DT-1
PAGE NO:	7 OF 36
WORK ORDER:	2509CWYP

SEALED PLASTIC BAG PLACED INSIDE VAULT TO CONTAIN

1. (1) JOHNNY LOCK KEY
2. (2) S.S. JOHNNY BOLTS W FLAT WASHER
3. SHRINK WRAP COVERS TO FRAME FOR PACKAGING



DESIGN LOAD: 30,000 LBS
TEST LOAD: 45,000 LBS

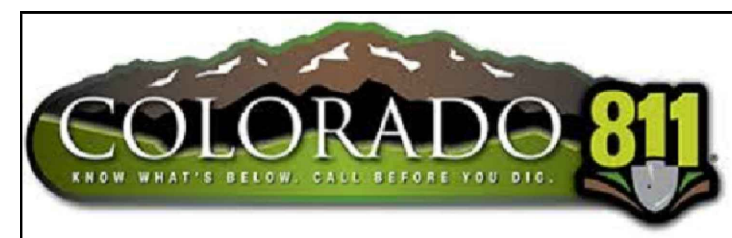
30K STANDARD HANDHOLE 30" X 60" X 30"

PART # A6001742TAPMCI3

TOWN OF CASTLE ROCK APPROVAL PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL	
APPROVED BY:	DATE
DEVELOPMENT SERVICES	DATE
PROFESSIONAL ENGINEER CERTIFICATION	
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PROJECT:
DN1446_DN2000BA_11LAB_5339

NED

DENVER, CO

McImetro
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

DENVER, CO NED PERMIT

DATE: 3/2/26

ENGINEER: ADB

DRAWN BY: TAZN

REVISIONS

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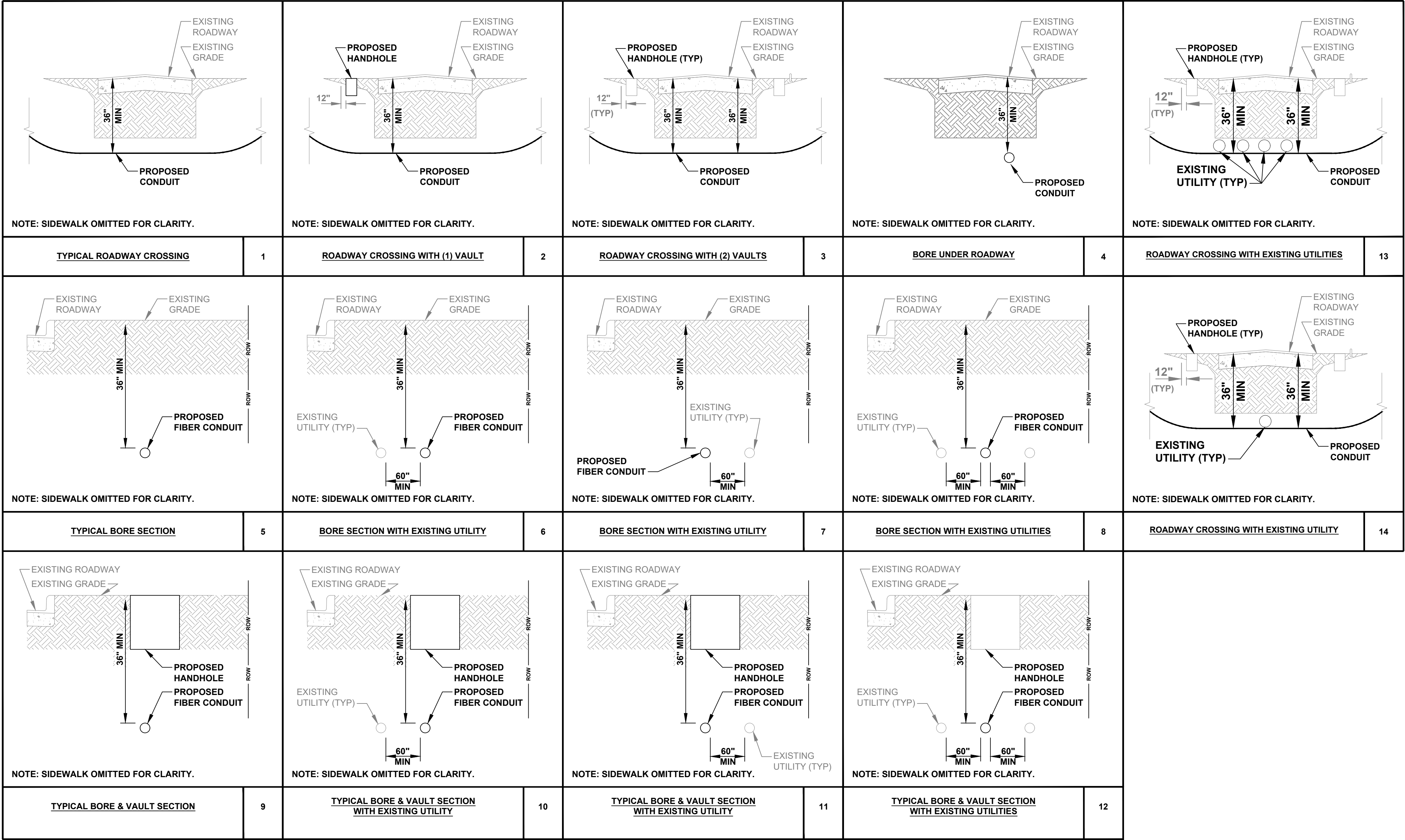
HORIZONTAL: 1" = 50'

VERTICAL: 1" = 50'

SHEET NO: DT-2

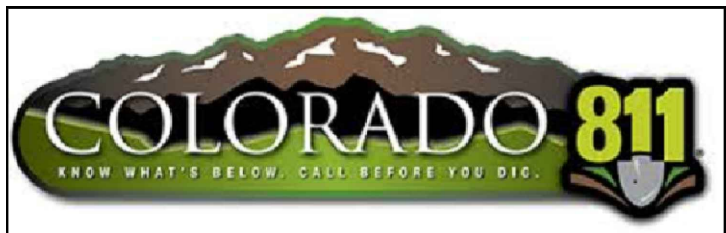
PAGE NO: 8 OF 36

WORK ORDER: 2509CWYP

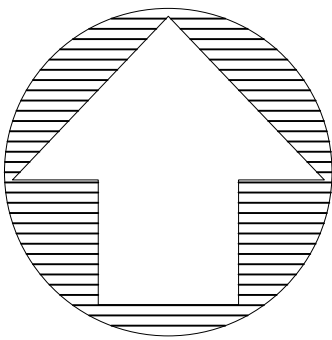


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ACCESS TRANSMISSION SERVICES, LLC
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC CABLE ROUTE
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SHEET NO: DT-3

PAGE NO: 9 OF 36

WORK ORDER:
2509CWYP

TOWN OF CASTLE ROCK APPROVAL.
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APPROVED BY:

DEVELOPMENT SERVICES DATE

PROFESSIONAL ENGINEER CERTIFICATION

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DENVER, CO

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DENVER, CO NED PERMIT

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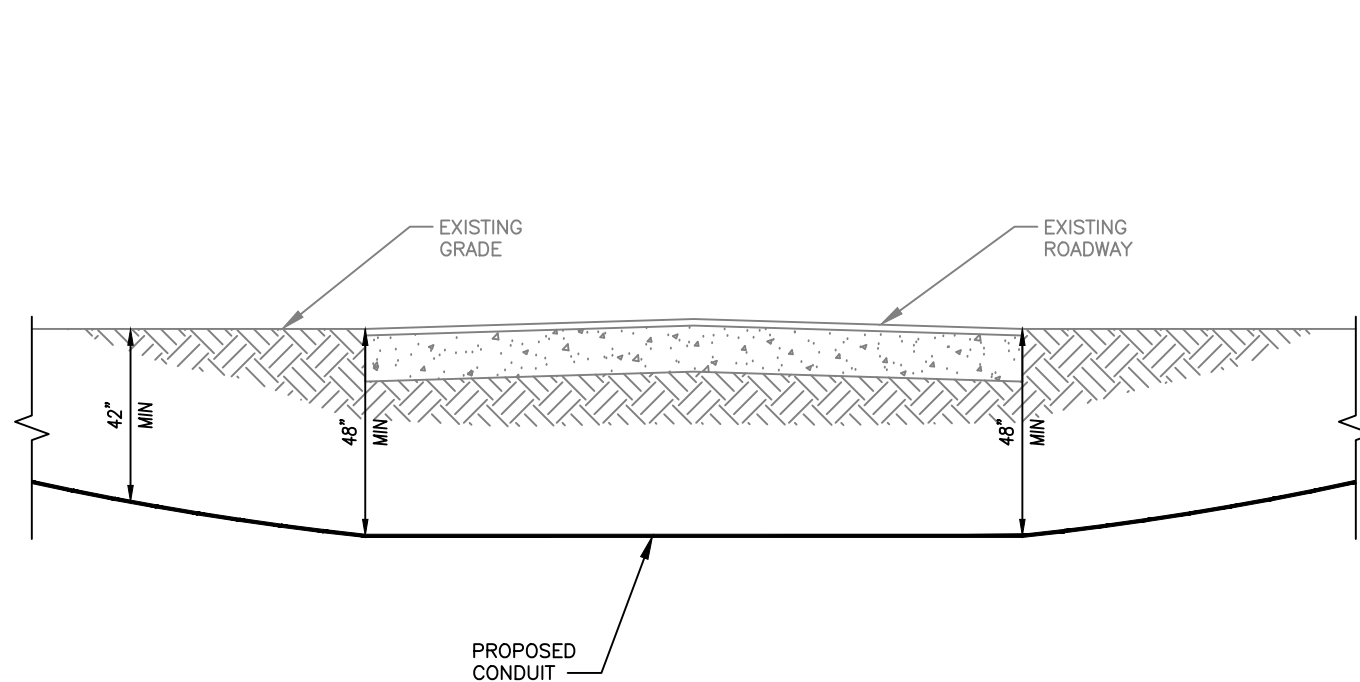
HORIZONTAL: 1: 50

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SHEET NO: DT-5

PAGE NO: 11 OF 36

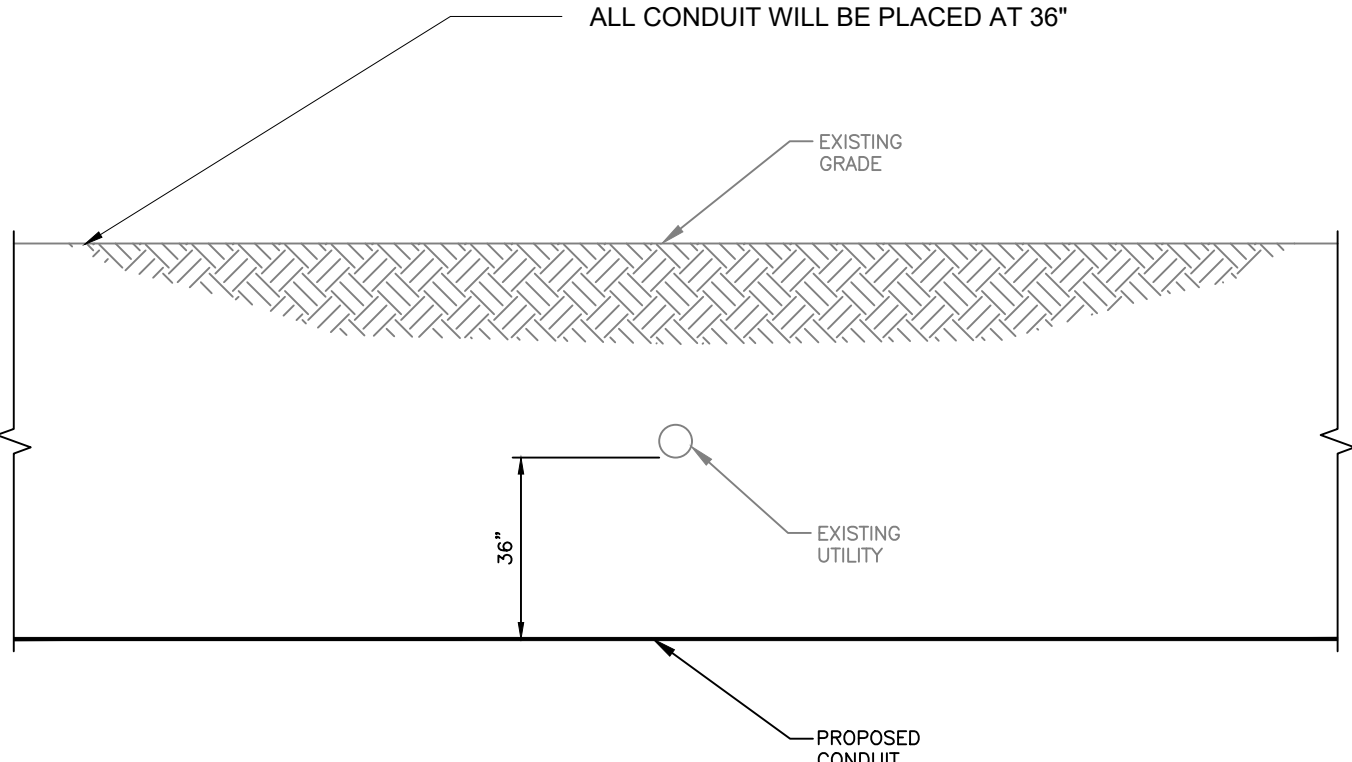
WORK ORDER:
2509CWYP



TYPICAL ROADWAY CROSSING

NO SCALE

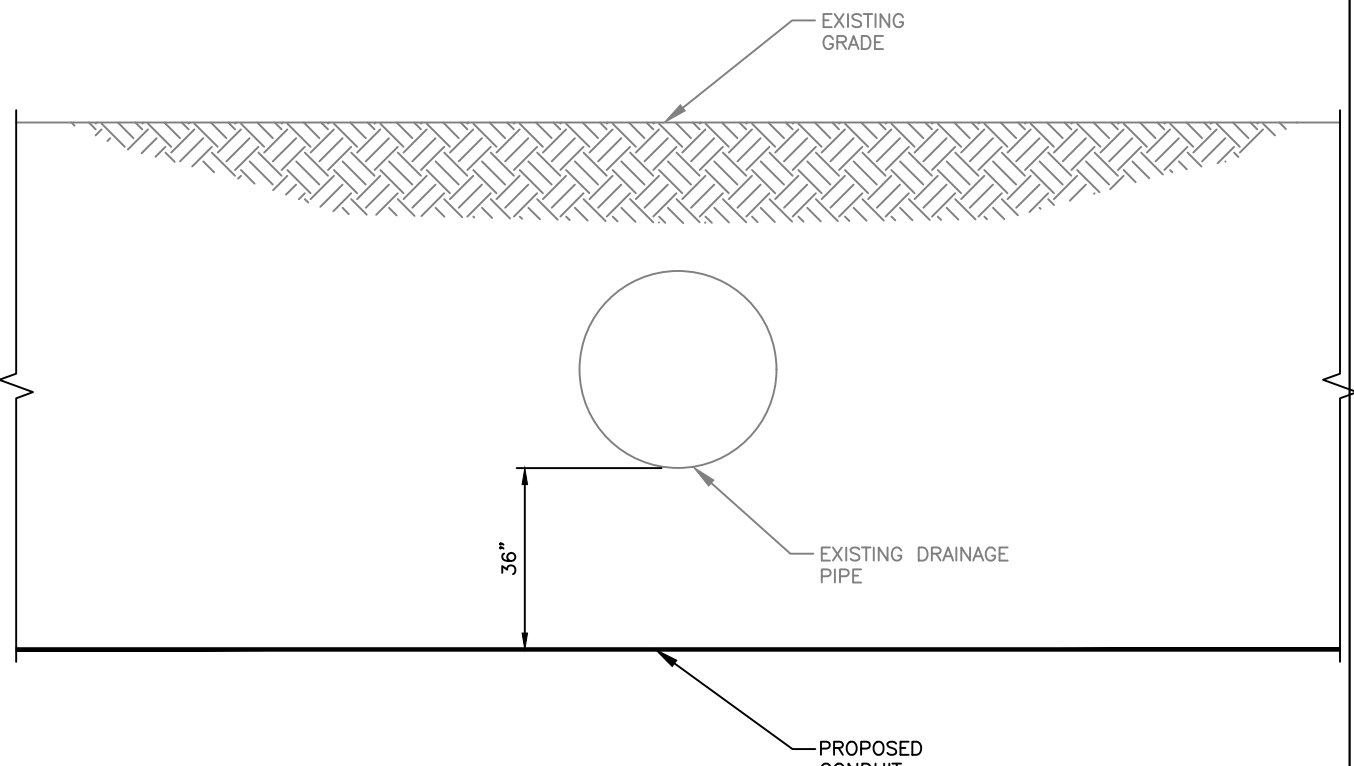
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TYPICAL UTILITY CROSSING

NO SCALE

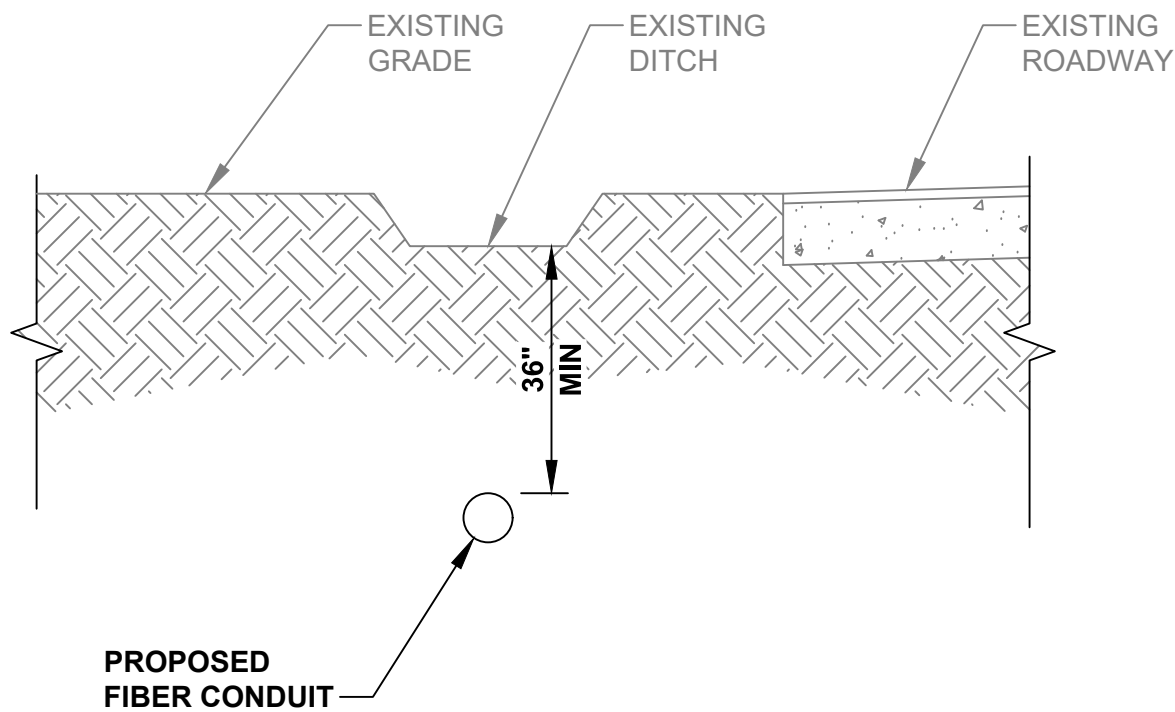
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TYPICAL CULVERT CROSSING

NO SCALE

C

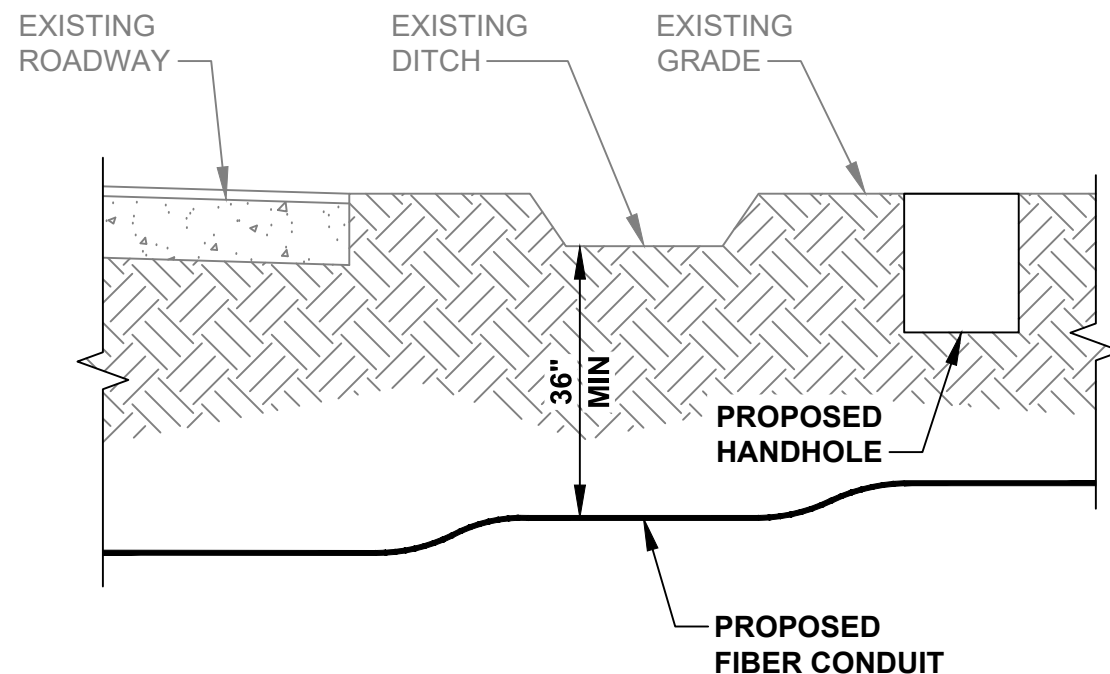


NOTE: SIDEWALK OMITTED FOR CLARITY.

TYPICAL DITCH VERTICAL ALIGNMENT

NO SCALE

D

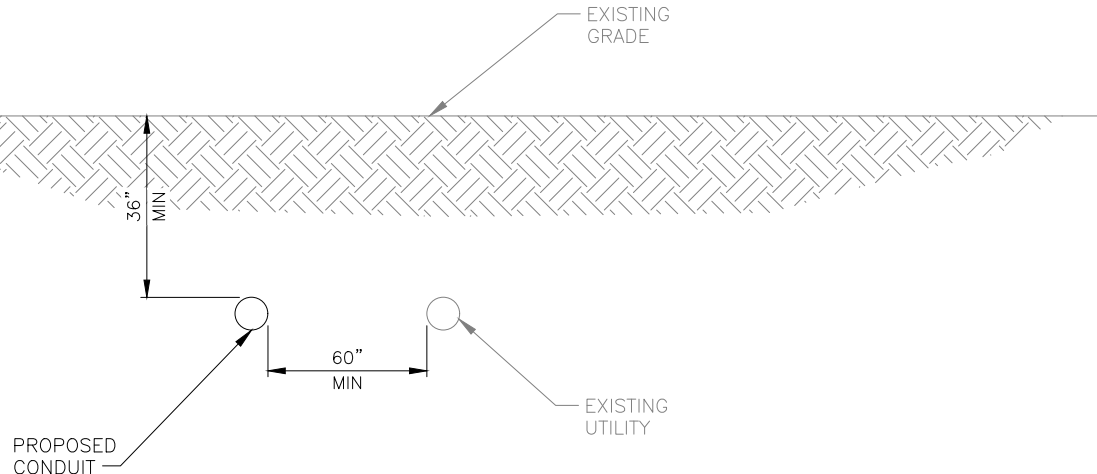


NOTE: SIDEWALK OMITTED FOR CLARITY.

TYPICAL DITCH VERTICAL ALIGNMENT

NO SCALE

E



TYPICAL UTILITY DETAIL

NO SCALE

F

TOWN OF CASTLE ROCK APPROVAL
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM
DATE OF DEVELOPMENT SERVICES APPROVAL

APPROVED BY:

DEVELOPMENT SERVICES DATE

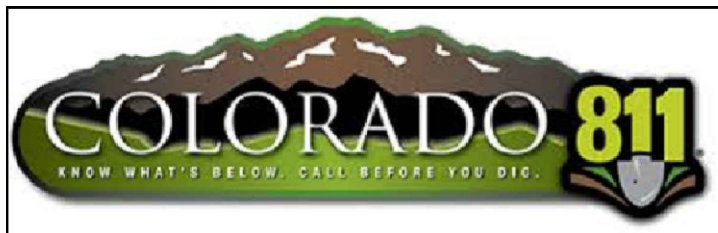
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NED

DENVER, CO

McImetro
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

DENVER, CO NED PERMIT

DATE: 3/2/26

ENGINEER: ADB

DRAWN BY: TAZN

REVISIONS

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VERTICAL: 1" = 50'

SHEET NO: DT-6

PAGE NO: 12 OF 36

WORK ORDER:
2509CWYP

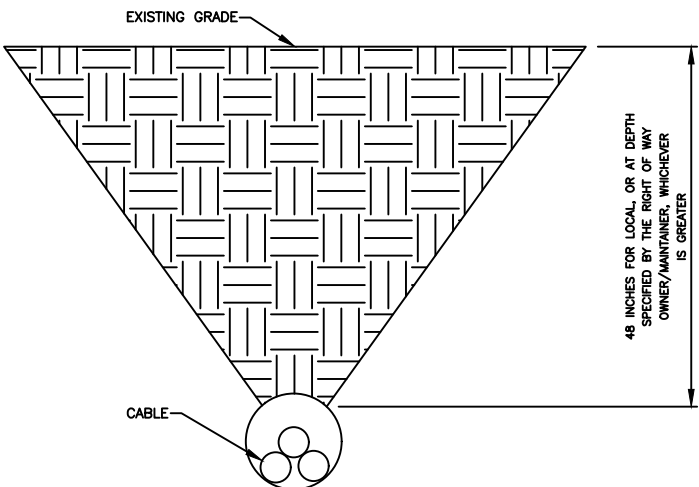
CONSTRUCTION NOTES:

1. CALL FOR UTILITY LOCATES AT LEAST 72 HOURS IN ADVANCE OF ANY CONSTRUCTION FOR MARKINGS. VERIFICATION OF LOCATION OF EXISTING UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
2. ALL WORK WILL COMPLY WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATORY AGENCIES, INCLUDING, BUT NOT LIMITED TO, OSHA, NESC, DOT, ETC.
3. THE CONTRACTOR WILL NOTIFY (IF APPLICABLE) THE ADJACENT PROPERTY OWNERS A MINIMUM OF 24 HOURS IN ADVANCE OF CONSTRUCTION.
4. ALL TRAFFIC CONTROL DEVICES WILL BE IN PLACE PRIOR TO CONSTRUCTION. DEVICES NO LONGER NEEDED WILL BE REMOVED AS QUICKLY AS POSSIBLE.
5. PEDESTRIAN TRAFFIC AREAS MUST BE MAINTAINED AT ALL TIMES. PEDESTRIANS WILL NOT BE ROUTED ON TO PRIVATE PROPERTY.
6. NO EQUIPMENT OR MATERIALS WILL BE STORED ON ROAD SURFACE OR SIDEWALKS. EXCAVATION MATERIALS WILL BE STORED AWAY FROM PAVED ROADWAYS.
7. TWO INCH DIAMETER CONDUIT WILL BE USED FOR ALL FIBER WITH THE EXCEPTION OF 1 INCH DIAMETER CONDUIT FOR DROPS WITH A MAXIMUM OF (4) DROPS PER CONDUIT.

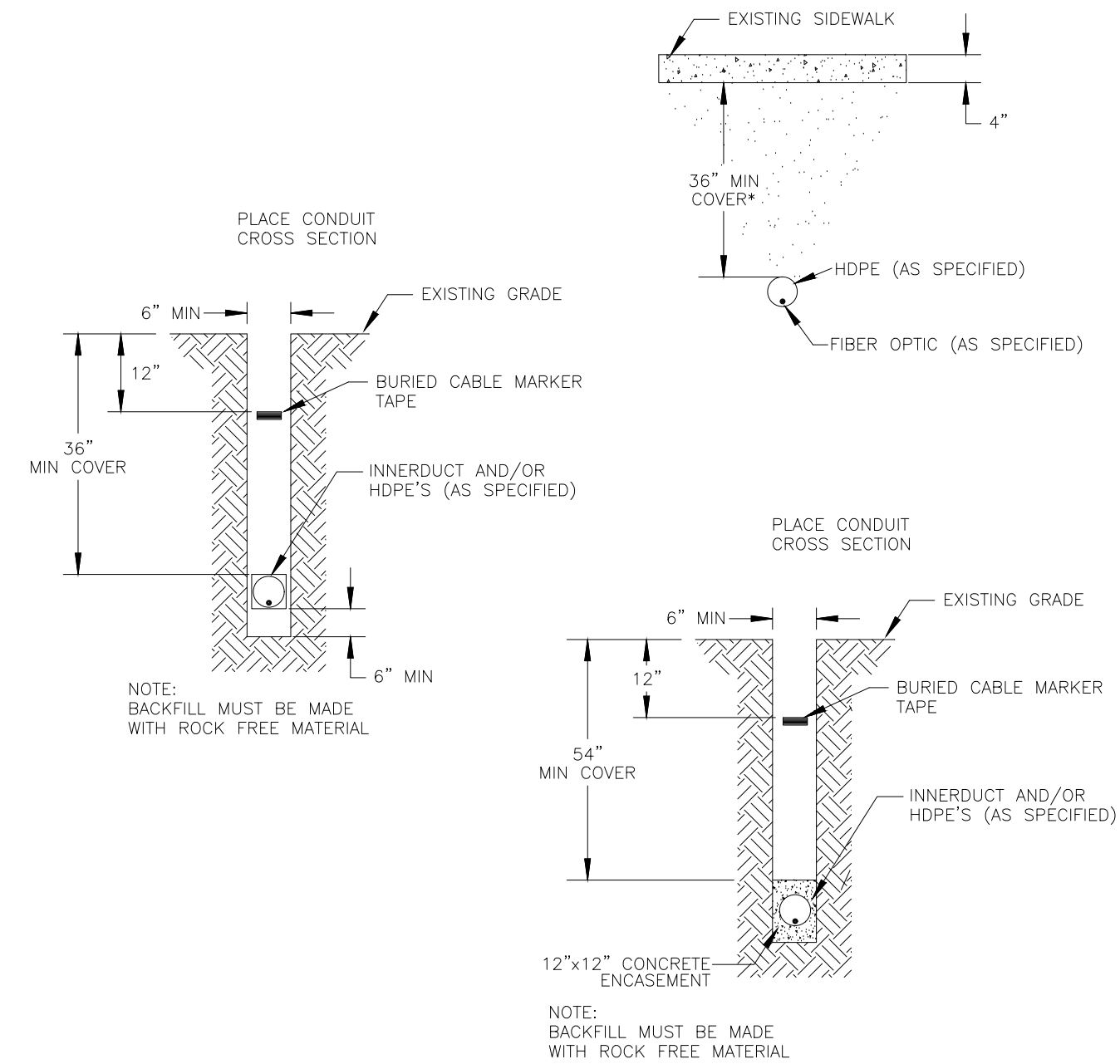
RESTORATION NOTES:

1. REMOVE AND STORE ALL SHRUBBERY TO BE REPLACED.
2. RESTORE ALL DISTURBED AREAS TO THEIR ORIGINAL OR BETTER CONDITION.
3. ALL DISTURBED EARTH SHALL BE REPLACED WITH SOD IMMEDIATELY FOLLOWING INSTALLATION AND ANY SOIL STOCKPILES SHALL BE STABILIZED WITH TEMPORARY VEGETATION.
4. DIRECTIONAL BORE DRILLING FLUIDS AND LOOSE MUD SHALL BE REMOVED FROM POTHOLES/BORING PITS, BE DISPOSED OF PROPERLY AND REPLACED WITH ENGINEERING APPROVED BACKFILL.

BORE - FIBER INSTALLATION AND RESTORATION



DIRECTIONAL BORE



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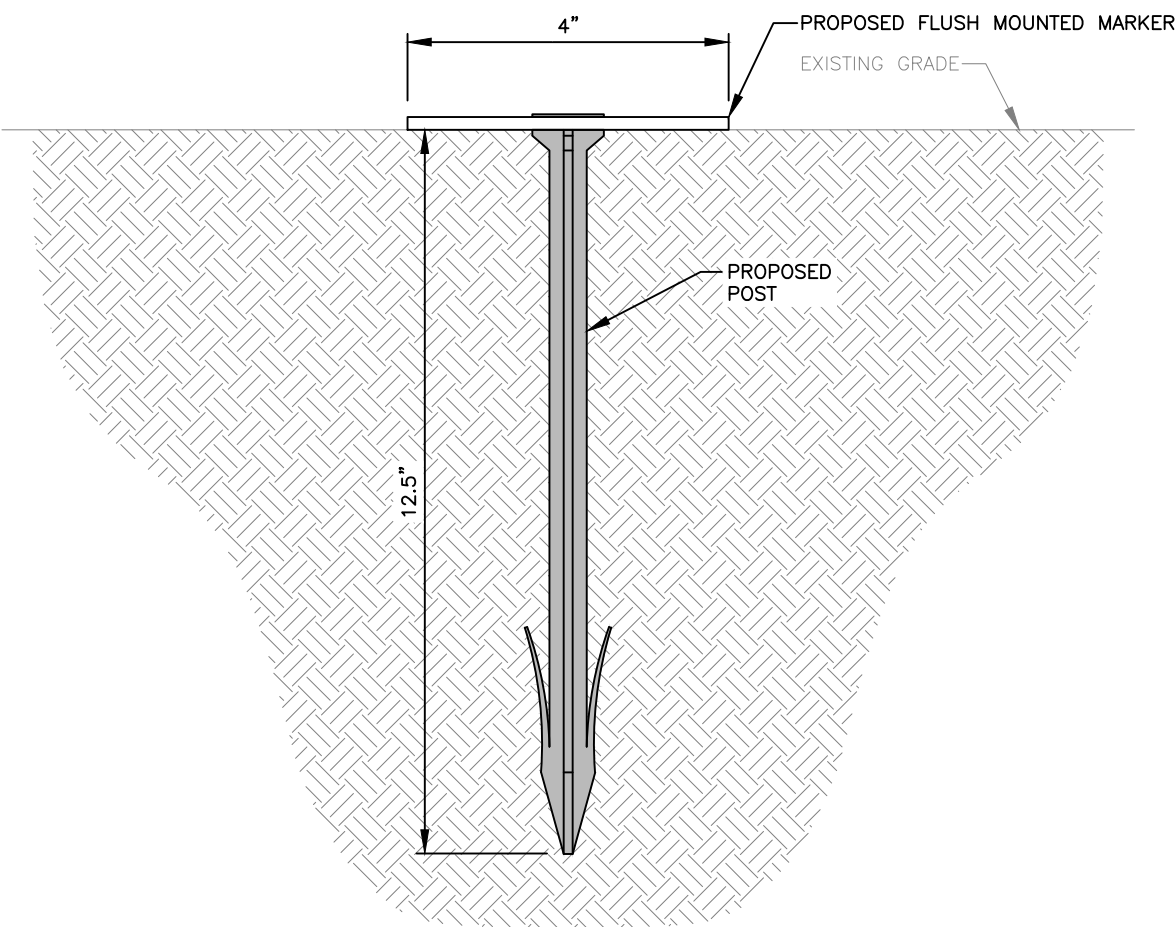
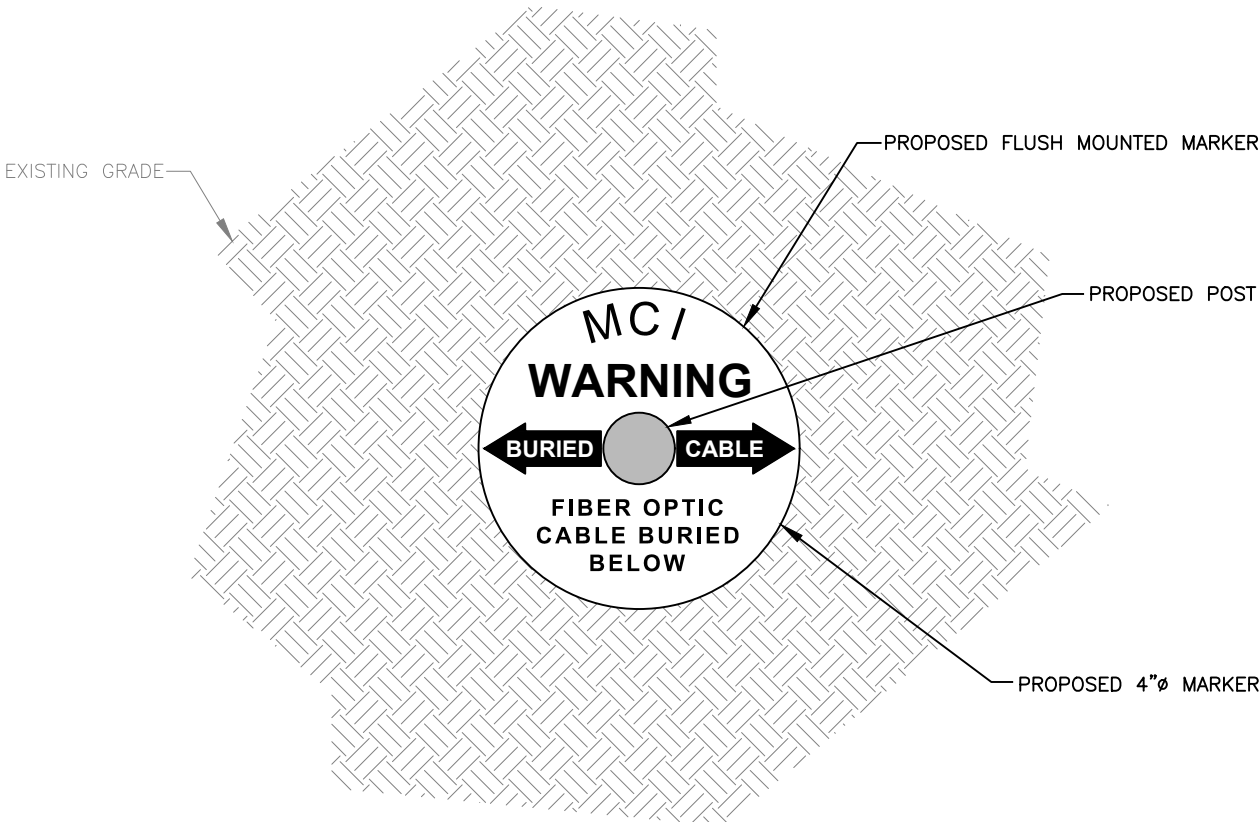
APPROVED BY: _____

DEVELOPMENT SERVICES _____ DATE _____

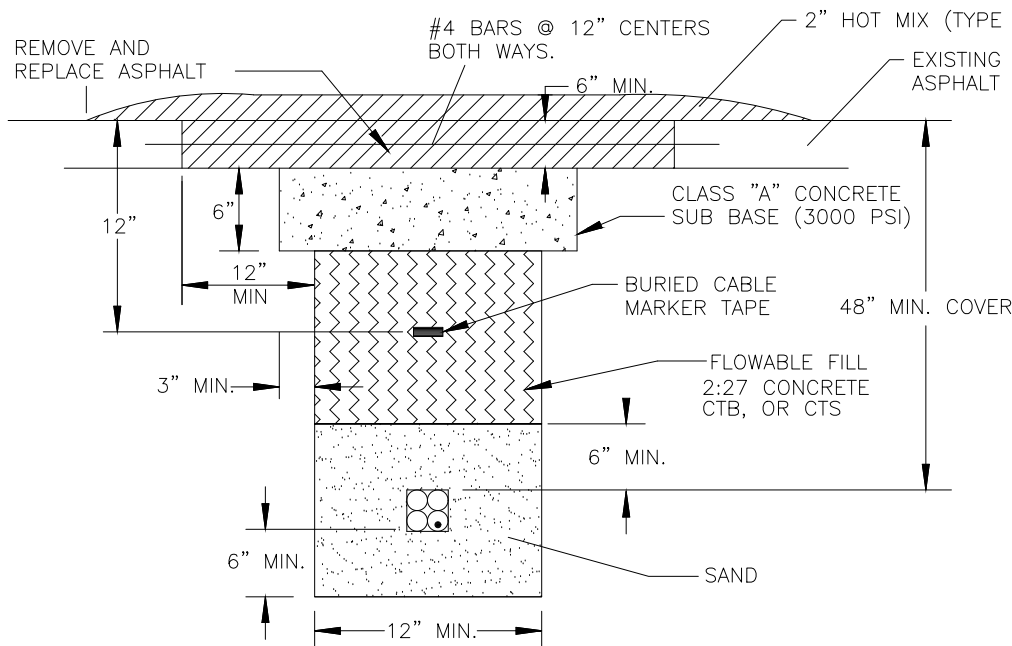
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FLUSH MOUNTED MARKER

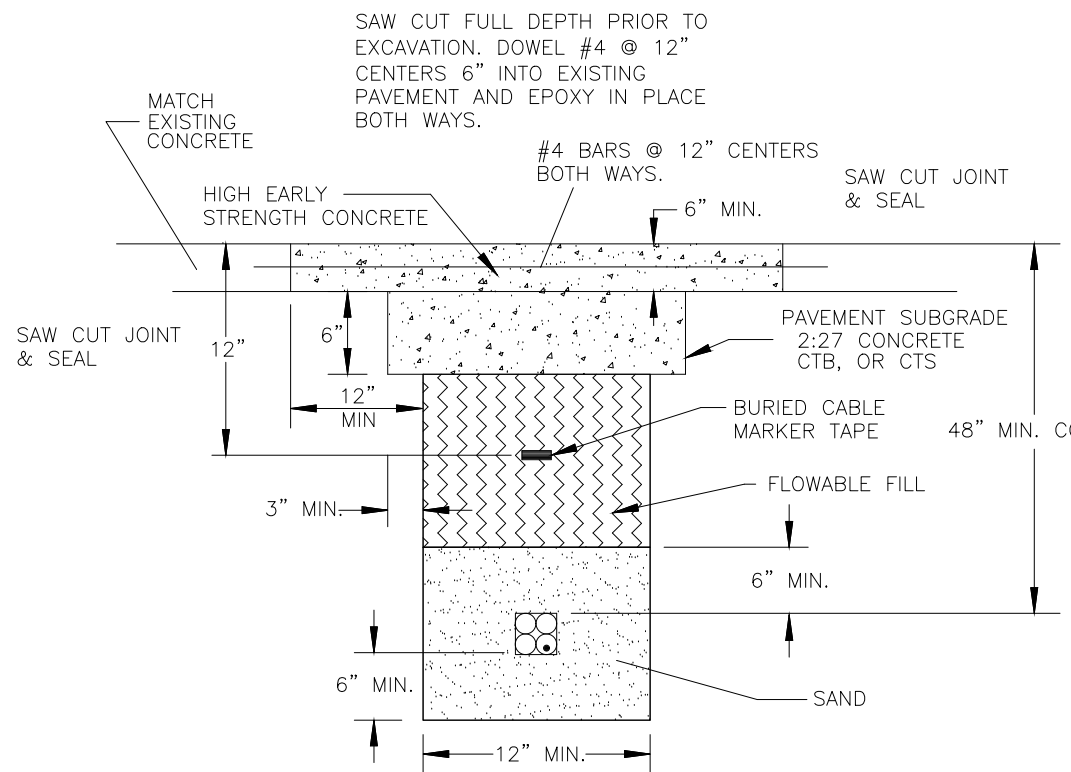


ASPHALT/PAVEMENT OPEN CUT
CROSS SECTION



1. THE BOTTOM OF THE TRENCH SHALL BE LEVEL, FLAT AND NOT HAVE ANY ROCK DEBRIS.
2. ALL BACKFILL MUST BE APPROVED BY FIBERLIGHT ENGINEER, TxDOT INSPECTOR AND/OR CITY INSPECTOR.
3. EXCAVATED MATERIAL MAY BE DEEMED SUITABLE BACKFILL BY XFO ENGINEER, TxDOT INSPECTOR AND/OR CITY INSPECTOR.
4. MINIMUM SIX (6) INCHES OF CLEAN SAND SHALL BE PLACED OVER THE CONDUIT.
5. FLOWABLE FILL MIX DESIGN SHALL BE PER CITY AND/OR TxDOT SPECIFICATIONS.
6. ALL FLOWABLE FILL AND CONCRETE SHALL BE VIBRATED USING A 2" DIAMETER VIBRATOR.
7. CONCRETE AND ASPHALT THICKNESS SHALL MATCH EXISTING.
8. #4 DOWELS SHOULD BE DRILLED INTO ADJACENT UNDISTURBED CONCRETE TO PREVENT DIFFERENTIAL SETTLEMENT.

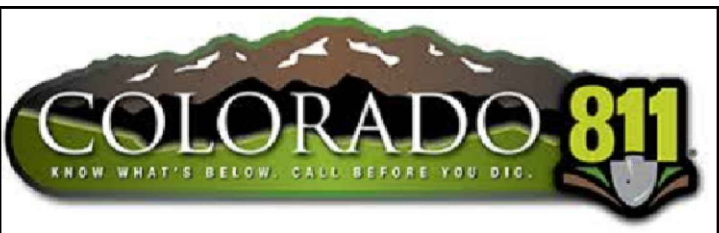
CONCRETE/PAVEMENT OPEN CUT
CROSS SECTION
(VARIES PER PERMIT REQUIREMENT)



1. A SAW SHALL BE USED TO CUT ASPHALT OR CONCRETE FULL DEPTH PRIOR TO OPENING THE DITCH IN ORDER TO INSURE A NEAT STRAIGHT EDGE. BROKEN OR SPALLED EDGES WILL BE RE-SAWED FULL DEPTH BETWEEN JOINTS OR FULL LENGTH OF CUT.
2. CTB - CEMENT TREATED BASE (CONTAINS AGGREGATE)
CTS - CEMENT TREATED SAND
BOTH MATERIALS SHALL BE MECHANICALLY TAMPED.

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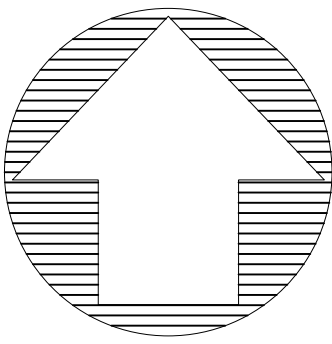


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DENVER, CO



MCImetro
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

DENVER, CO NED PERMIT

DATE: 3/2/26

ENGINEER: ADB

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SHEET NO: L-1

PAGE NO: 13 OF 36

WORK ORDER:
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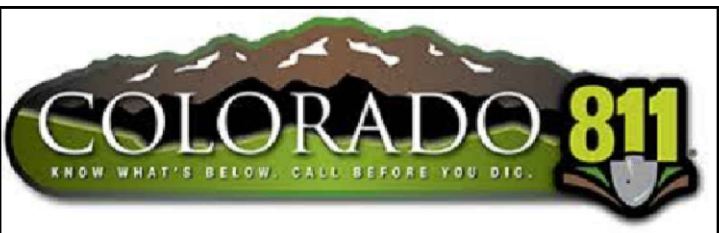
LEGEND

	PROPOSED HANDHOLE		PROPOSED UNDERGROUND		WATER UTILITY FEATURE
	EXISTING HANDHOLE		PROPOSED AERIAL		FIRE HYDRANT
	EXISTING MANHOLE		EXISTING FIBER		WASTE WATER UTILITY FEATURE
	UTILITY POLE		OVERLASHING AERIAL		STORM WATER UTILITY FEATURE
	CELL SITE		WATER LINE		COMMUNICATIONS UTILITY FEATURE
	HUB SITE		STORM DRAIN LINE		RECLAIMED WATER UTILITY FEATURE
	SPLICE POINT		GAS LINE		TRAFFIC CONTROL UTILITY FEATURE
	SLACK LOOP		SEWER LINE		GAS UTILITY FEATURE
	BORE SLOT LOCATION		RECLAIMED WATER LINE		ELECTRICAL UTILITY FEATURE
	FIBER DISTRIBUTION HUB		COMMUNICATIONS LINE		MARKER POST
	FIBER DISTRIBUTION TERMINAL		ELECTRICAL LINE		PRIVATE ADDRESS
	TERMINATION PANEL		RIGHT OF WAY		STATE ROAD
	POTHOLE		EDGE OF PAVEMENT		FLOOD PLAIN
			BOUNDARY LINE		NWI WETLANDS
			EASEMENT BOUNDARY		

NOTES:

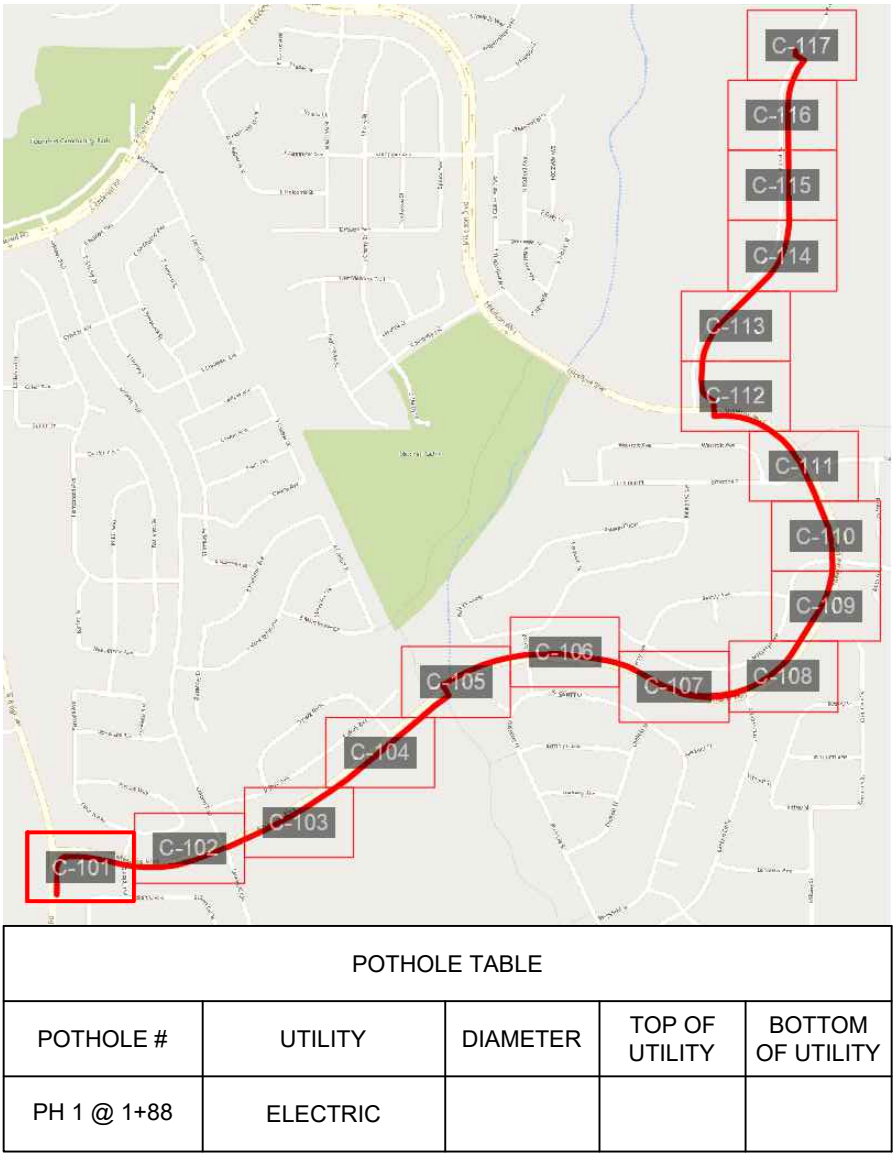
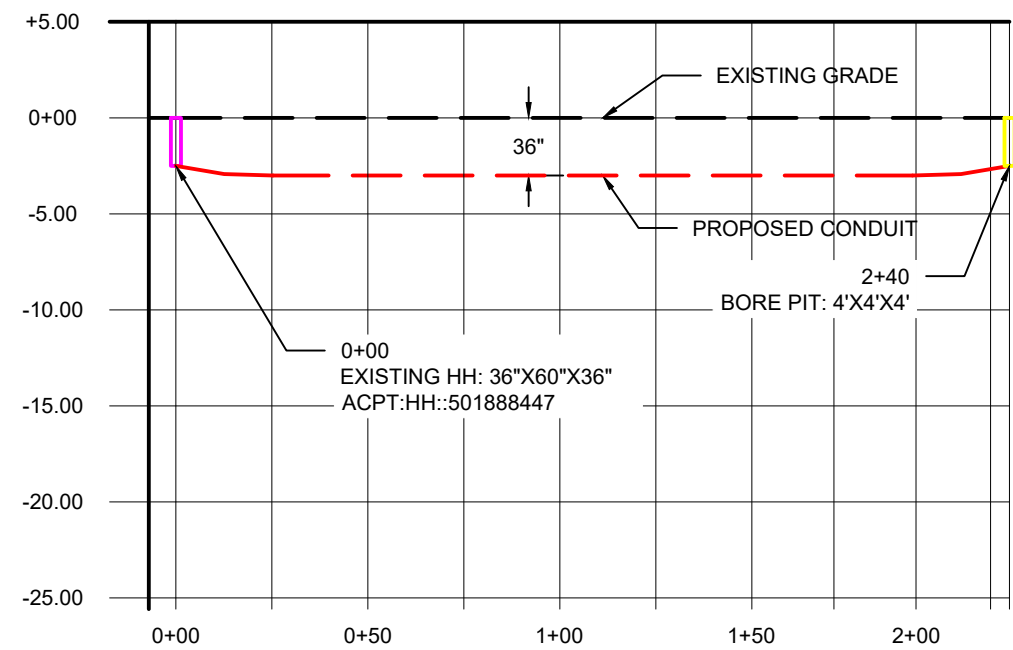
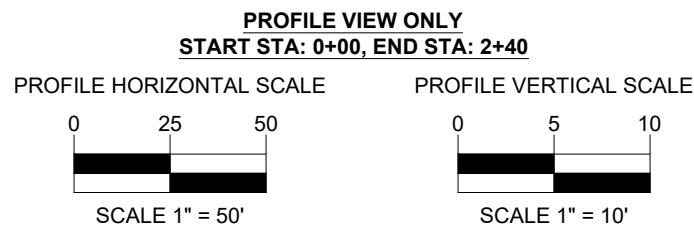
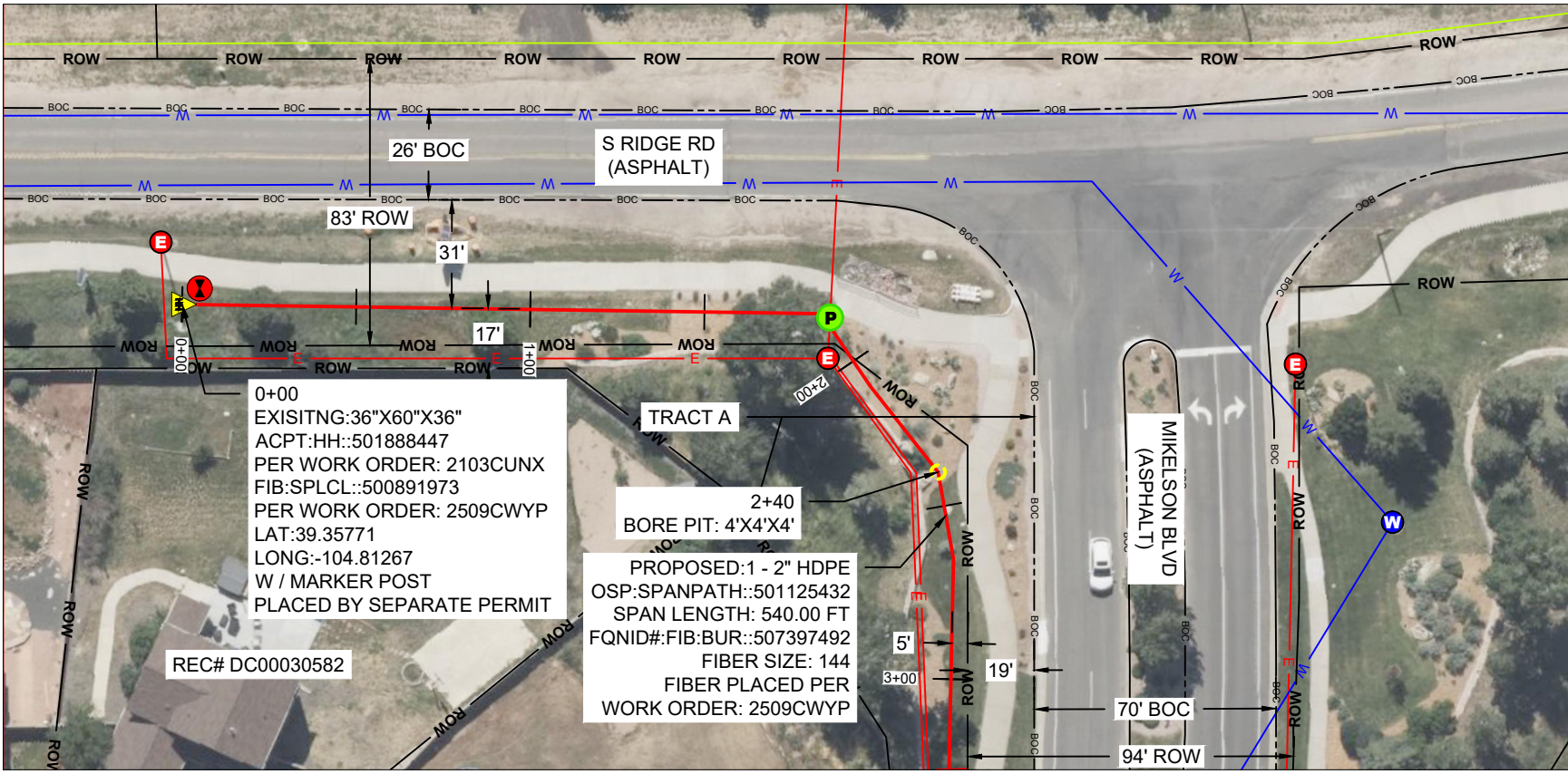
- RIGHT OF WAY DATA USED FOR PERMITTING PURPOSES ONLY.
- ABOVE GROUND UTILITY FEATURES HAVE BEEN FIELD VERIFIED. ALL SUBSURFACE UTILITIES SHOWN ARE APPROXIMATE. UTILITY LOCATES WILL BE PERFORMED PRIOR TO CONSTRUCTION.
- RIGHT OF WAY GIS DATA PROVIDED BY DENVER COUNTY.
- ALL BORES WILL BEGIN AND END AT A MINIMUM OF 8' FROM EDGE OF PAVEMENT.
- MAINTAIN A 60" MINIMUM SEPARATION FROM ALL UTILITIES.
- DRIVEWAYS, TREES, AND CULVERTS WILL BE DIRECTIONAL BORED.
- UTILITY FACILITIES INSTALLED IN A DITCH LINE MUST MAINTAIN AT LEAST 30 INCHES OF COVER FROM THE CROWN OF THE CONDUIT TO THE BOTTOM OF THE DITCH LINE DESIGN DEPTH.

SIDEWALKS AND TRAILS SHOULD REMAIN OPEN DURING CONSTRUCTION AND SHALL NOT BE USED FOR STAGING OR CONSTRUCTION ACCESS.
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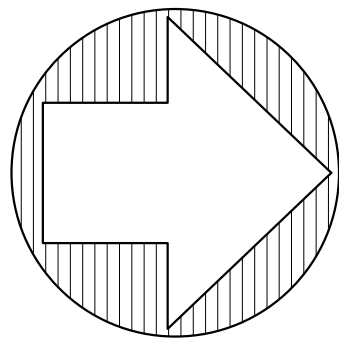




POTHOLE TABLE				
POTHOLE #	UTILITY	DIAMETER	TOP OF UTILITY	BOTTOM OF UTILITY
PH 1 @ 1+88	ELECTRIC			

verizonbusiness
PROJECT:
DN1446_DN2000BA_11LAB_5339

NED
DENVER, CO



McImetro
ACCESS TRANSMISSION SERVICES, LLC
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC CABLE ROUTE
DENVER, CO NED PERMIT

DATE: 3/2/26
ENGINEER: ADB
DRAWN BY: TAZN

REVISIONS		

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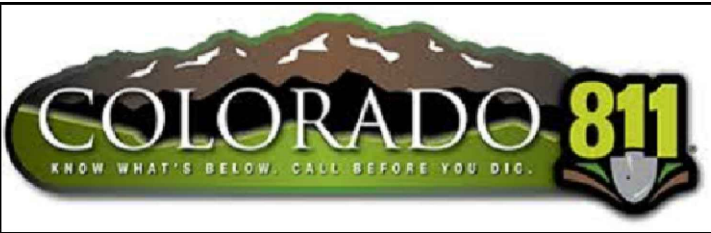
SCALE
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 50'

SHEET NO: C-101.1
PAGE NO: 14 OF 36
WORK ORDER: 2509CWYP

PLAN LEGEND						PROFILE LEGEND			
	PROPOSED UNDERGROUND		SEWER LINE		EASEMENT BOUNDARY		FIRE HYDRANT		EXISTING GRADE
	PROPOSED AERIAL		RECLAIMED WATER LINE		EXISTING HANDHOLE		SEWER STRUCTURE		PROPOSED GRADE
	EXISTING FIBER		COMMUNICATIONS LINE		PROPOSED HANDHOLE		DRAINAGE STRUCTURE		EXISTING CONDUIT
	OVER LASHING AERIAL		ELECTRICAL LINE		EXISTING MANHOLE		COMMUNICATIONS STRUCTURE		PROPOSED CONDUIT
	WATER LINE		RIGHT OF WAY		SPLICE POINT		GAS STRUCTURE		EXISTING HANDHOLE / MANHOLE
	STORM DRAIN LINE		EDGE OF PAVEMENT		POTHOLE		ELECTRICAL STRUCTURE		PROPOSED HANDHOLE
	GAS LINE		BOUNDARY LINE		WATER STRUCTURE				BORE PIT

SLACK LOOP STANDARDS PER FIBER SIZE: 864- 75', 432 - 75' ,ALL OTHER FIBER SIZES- 100', ALL AERIAL SLACK LOOPS TO BE 150' AT EVERY 1500' BORES TO BE AT 36" DEPTH TYPICAL, 48" DEPTH AT DOT CROSSINGS IF BORING UNDER TREES IN ROW BORE TO BE DEPTH OF 7' TO AVOID ROOTS

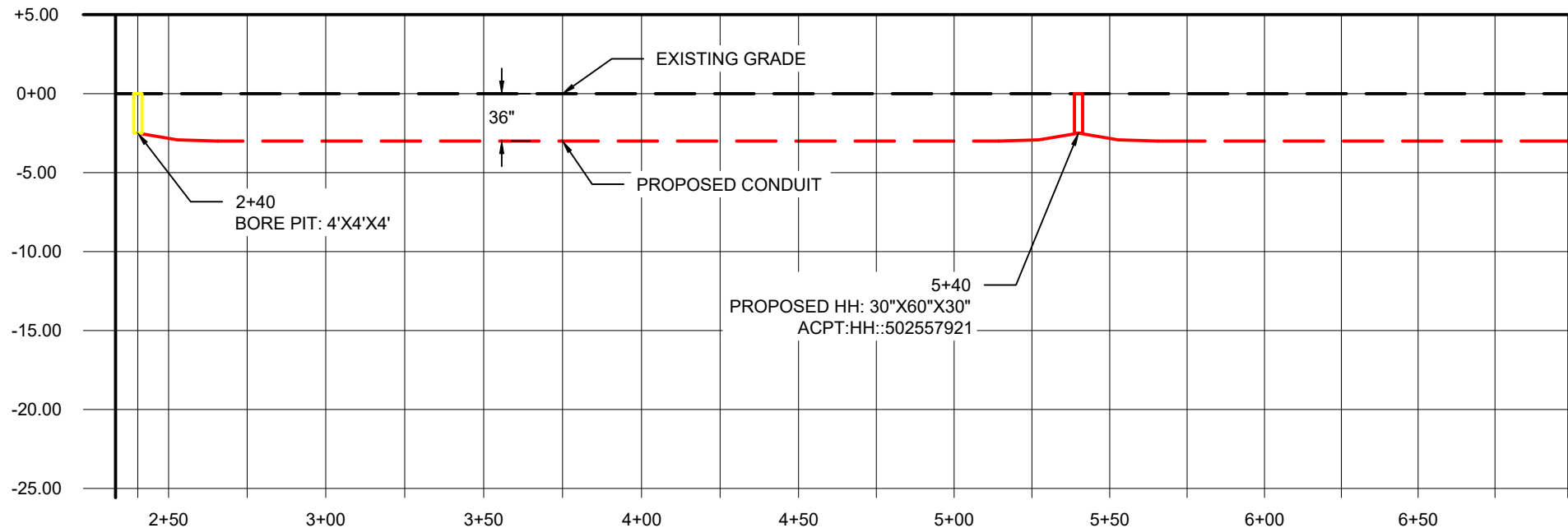
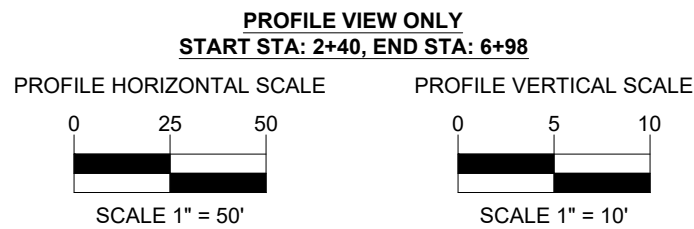
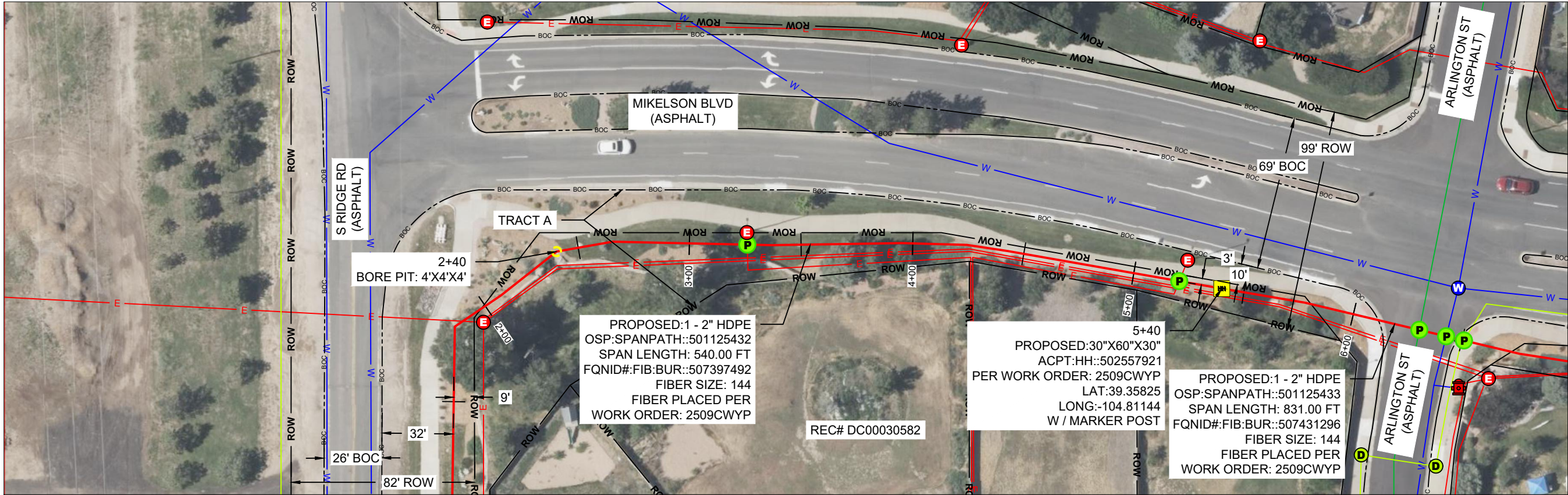
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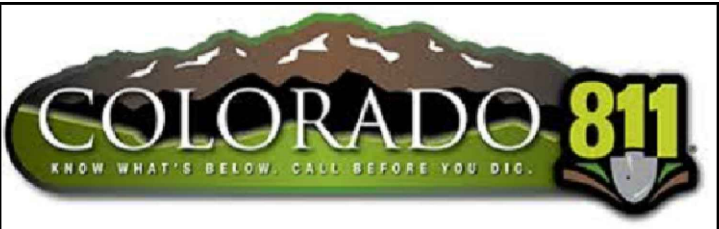
TOWN OF CASTLE ROCK APPROVAL PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL	
APPROVED BY:	
DEVELOPMENT SERVICES	DATE
PROFESSIONAL ENGINEER CERTIFICATION	
I HEREBY AFFIRM THAT THESE FINAL CONSTRUCTION PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION, IN ACCORDANCE WITH ALL APPLICABLE TOWN OF CASTLE ROCK AND STATE OF COLORADO STANDARDS AND STATUTES, RESPECTIVELY, AND THAT I AM FULLY RESPONSIBLE FOR ALL DESIGN AND REVISION RELATIVE TO SAID PLANS.	
	DATE



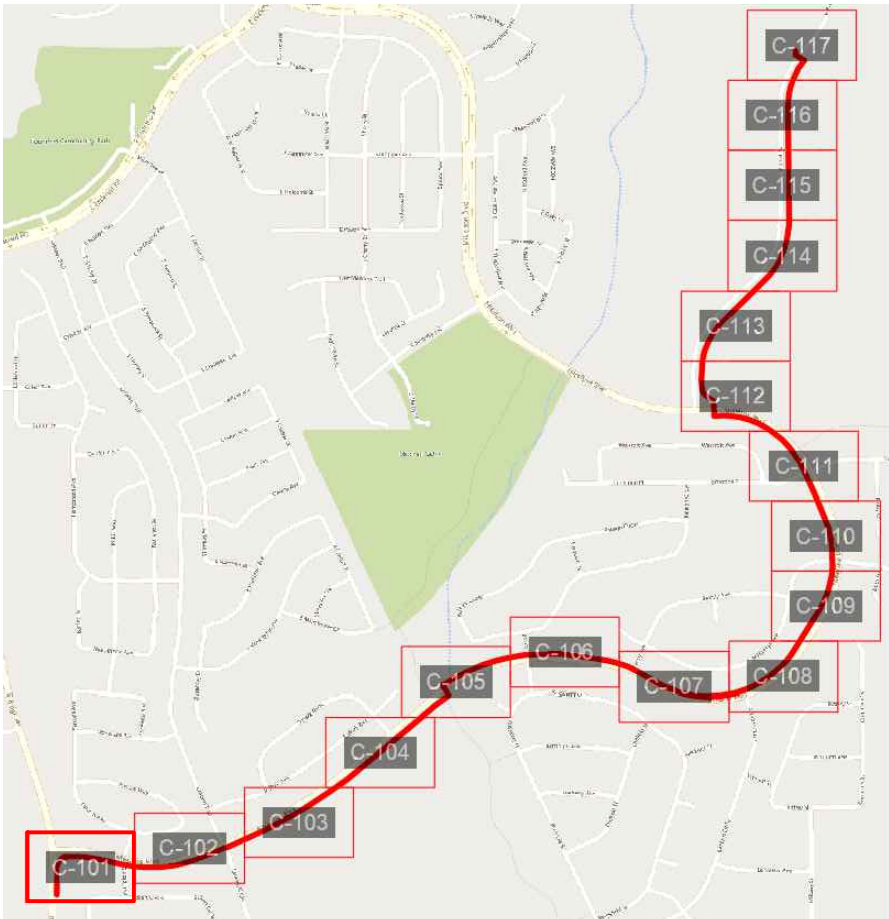
PLAN LEGEND						PROFILE LEGEND			
	PROPOSED UNDERGROUND		SEWER LINE		EASEMENT BOUNDARY		FIRE HYDRANT		EXISTING GRADE
	PROPOSED AERIAL		RECLAIMED WATER LINE		EXISTING HANDHOLE		SEWER STRUCTURE		PROPOSED GRADE
	EXISTING FIBER		COMMUNICATIONS LINE		PROPOSED HANDHOLE		DRAINAGE STRUCTURE		EXISTING CONDUIT
	OVER LASHING AERIAL		ELECTRICAL LINE		EXISTING MANHOLE		COMMUNICATIONS STRUCTURE		PROPOSED CONDUIT
	WATER LINE		RIGHT OF WAY		SPLICE POINT		GAS STRUCTURE		EXISTING HANDHOLE / MANHOLE
	STORM DRAIN LINE		EDGE OF PAVEMENT		POTHOLE		ELECTRICAL STRUCTURE		PROPOSED HANDHOLE
	GAS LINE		BOUNDARY LINE		WATER STRUCTURE				BORE PIT

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POTHOLE TABLE				
POTHOLE #	UTILITY	DIAMETER	TOP OF UTILITY	BOTTOM OF UTILITY
PH 2 @ 3+26	ELECTRIC			
PH 3 @ 5+21	ELECTRIC			
PH 4 @ 6+30	SANITARY			
PH 5 @ 6+43	WATER			
PH 6 @ 6+51	STORM			

PROJECT:
DN1446_DN2000BA_11LAB_5339

NED
DENVER, CO

MCImetro
ACCESS TRANSMISSION SERVICES, LLC

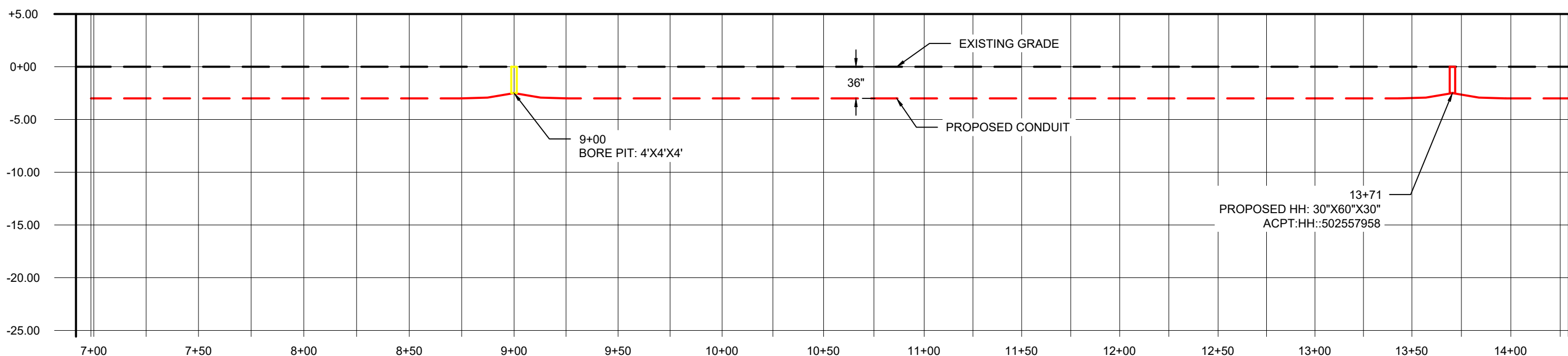
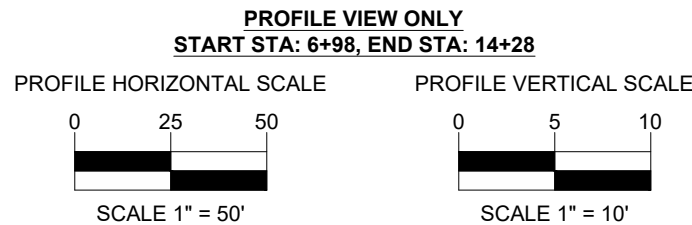
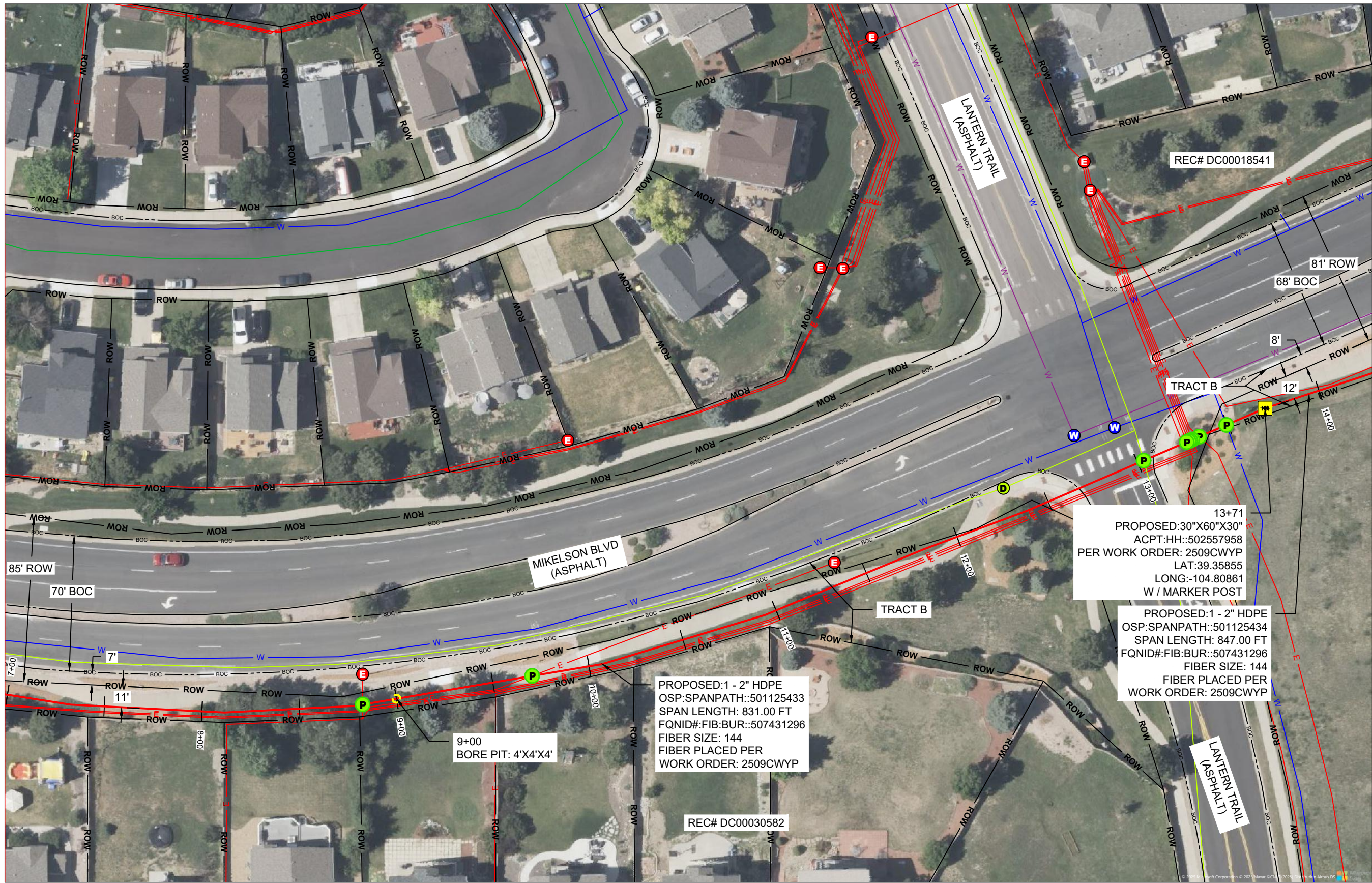
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC CABLE ROUTE
DENVER, CO NED PERMIT

DATE:	3/2/26
ENGINEER:	ADB
DRAWN BY:	TAZN

REVISIONS		

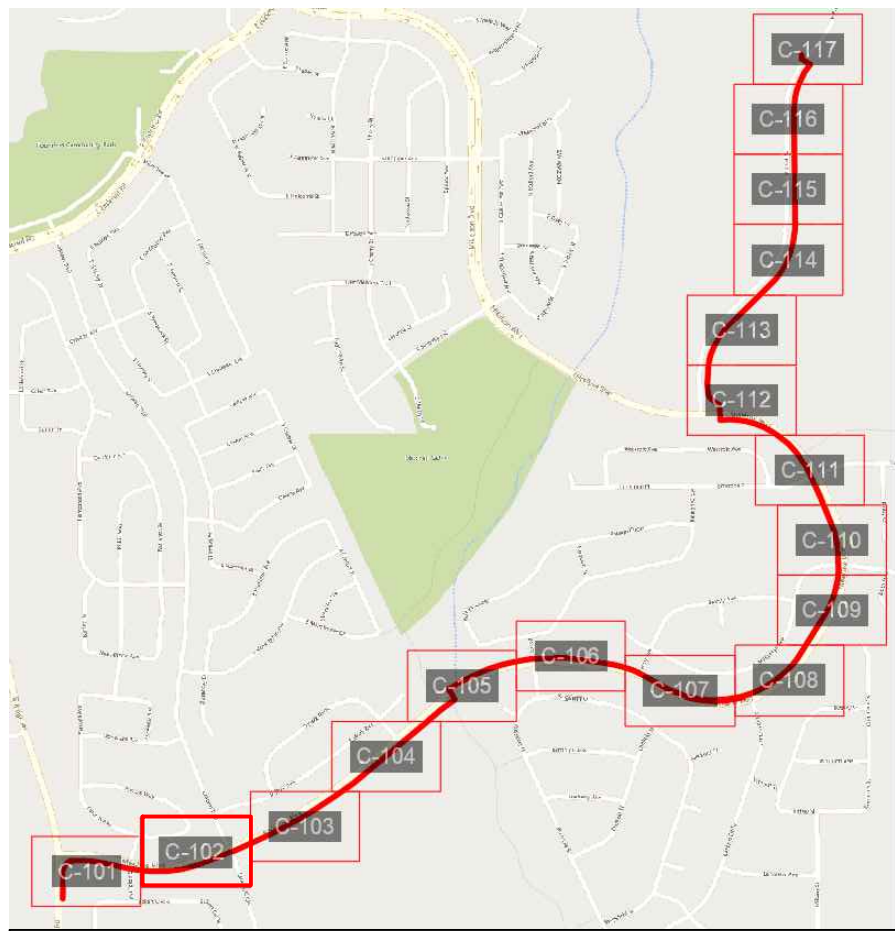
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SCALE	
HORIZONTAL:	1: 50
VERTICAL:	1: 50
SHEET NO:	C-101.2
PAGE NO:	15 OF 36
WORK ORDER:	2509CWYP



PLAN LEGEND					
	PROPOSED UNDERGROUND		SEWER LINE		EASEMENT BOUNDARY
	PROPOSED AERIAL		RECLAIMED WATER LINE		EXISTING HANDHOLE
	EXISTING FIBER		COMMUNICATIONS LINE		PROPOSED HANDHOLE
	OVER LASHING AERIAL		ELECTRICAL LINE		EXISTING MANHOLE
	WATER LINE		RIGHT OF WAY		SPLICE POINT
	STORM DRAIN LINE		EDGE OF PAVEMENT		POTHOLE
	GAS LINE		BOUNDARY LINE		WATER STRUCTURE

PROFILE LEGEND	
	EXISTING GRADE
	PROPOSED GRADE
	EXISTING CONDUIT
	PROPOSED CONDUIT
	EXISTING HANDHOLE / MANHOLE
	PROPOSED HANDHOLE
	BORE PIT



POTHOLE TABLE				
POTHOLE #	UTILITY	DIAMETER	TOP OF UTILITY	BOTTOM OF UTILITY
PH 7 @ 8+82	ELECTRIC			
PH 8 @ 9+70	ELECTIRC			
PH 9 @ 13+03	STORM			
PH 10 @ 13+27	ELECTRIC			
PH 11 @ 13+28	ELECTRIC			
PH 12 @ 13+29	ELECTRIC			
PH 13 @ 13+30	ELECTRIC			
PH 14 @ 13+34	ELECTRIC			
PH 15 @ 13+49	ELECTRIC			

PROJECT:
DN1446_DN2000BA_11LAB_5339

NED
DENVER, CO

McImetro
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

DENVER, CO NED PERMIT

DATE: 3/2/26

ENGINEER: ADB

DRAWN BY: TAZN

REVISIONS

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SCALE

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VERTICAL: 1: 50

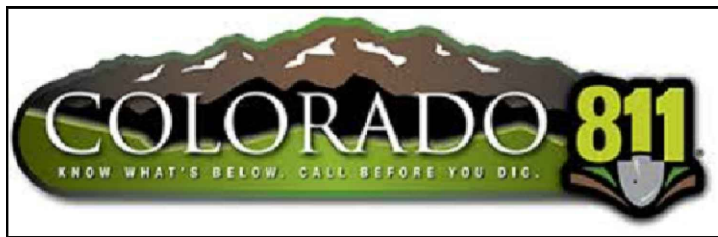
SHEET NO: C-102

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WORK ORDER: 2509CWYP

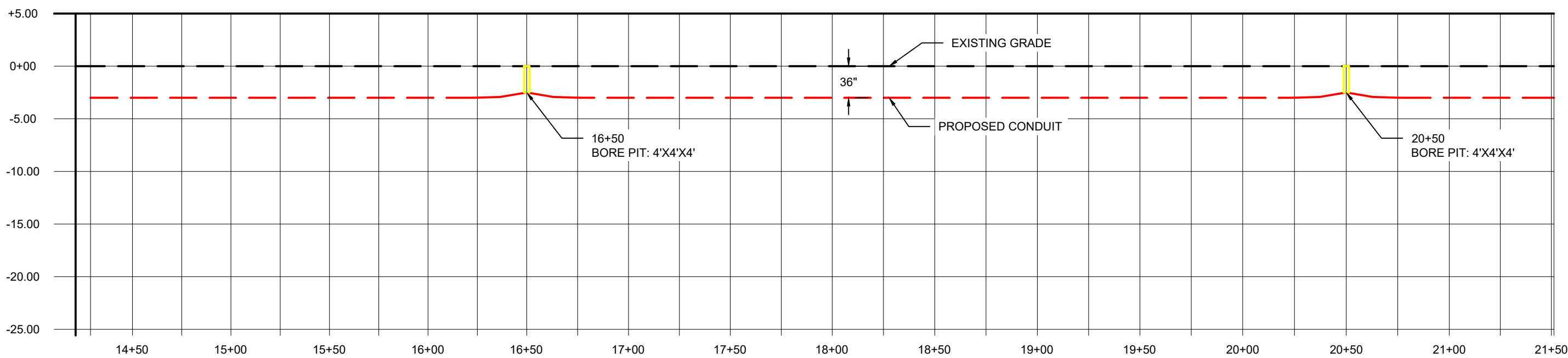
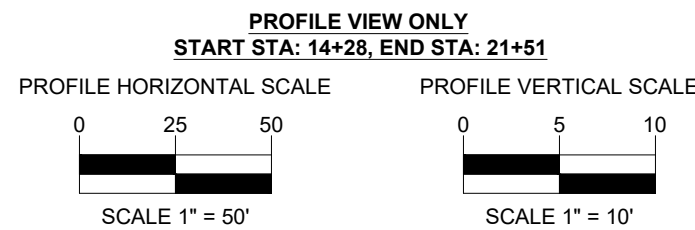
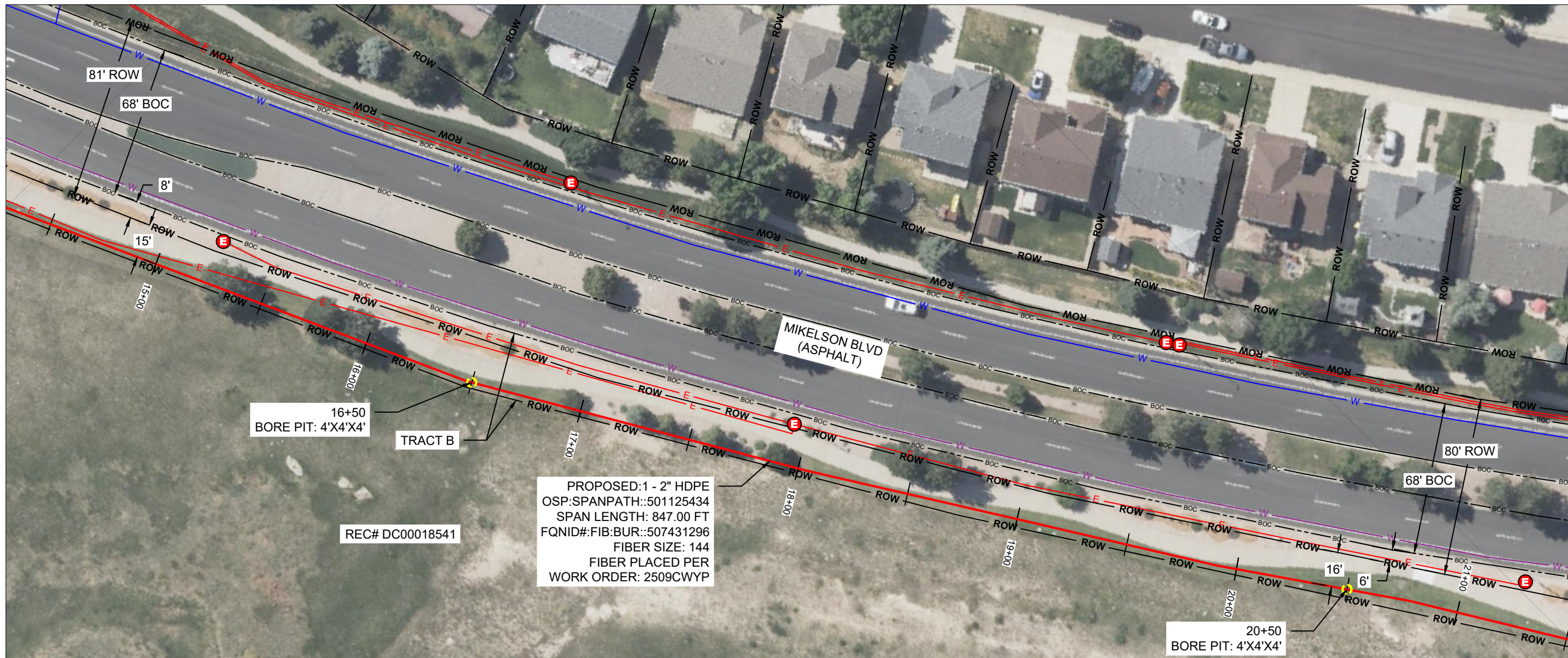
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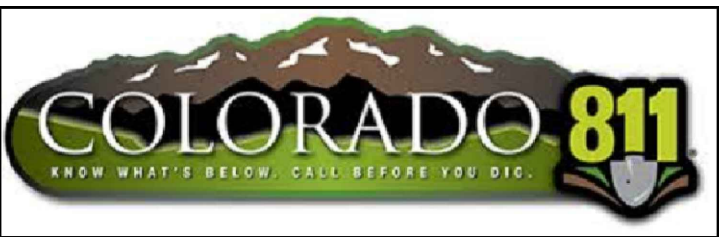




PLAN LEGEND						PROFILE LEGEND			
	PROPOSED UNDERGROUND		SEWER LINE		EASEMENT BOUNDARY		EXISTING GRADE		PROPOSED GRADE
	PROPOSED AERIAL		RECLAIMED WATER LINE		EXISTING HANDHOLE		SEWER STRUCTURE		EXISTING CONDUIT
	EXISTING FIBER		COMMUNICATIONS LINE		PROPOSED HANDHOLE		DRAINAGE STRUCTURE		PROPOSED CONDUIT
	OVER LASHING AERIAL		ELECTRICAL LINE		EXISTING MANHOLE		COMMUNICATIONS STRUCTURE		EXISTING HANDHOLE / MANHOLE
	WATER LINE		RIGHT OF WAY		SPLICE POINT		GAS STRUCTURE		PROPOSED HANDHOLE
	STORM DRAIN LINE		EDGE OF PAVEMENT		POTHOLE		ELECTRICAL STRUCTURE		BORE PIT
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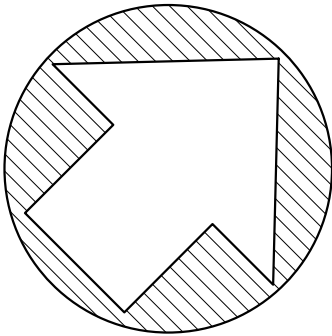


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verizonbusiness
PROJECT:
DN1446_DN2000BA_11LAB_5339

NED
DENVER, CO



McImetro
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

DENVER, CO NED PERMIT

DATE: 3/2/26

ENGINEER: ADB

DRAWN BY: TAZN

REVISIONS

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SCALE

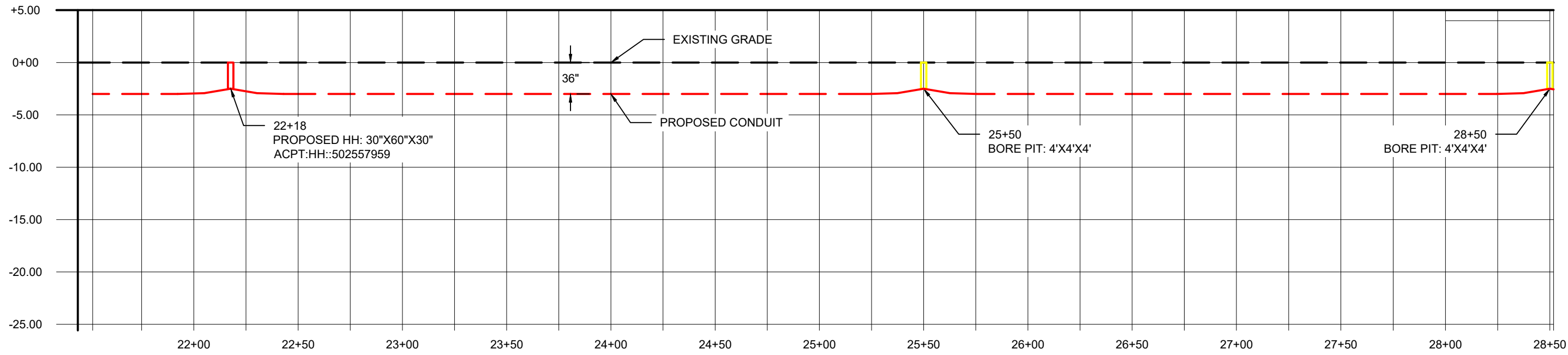
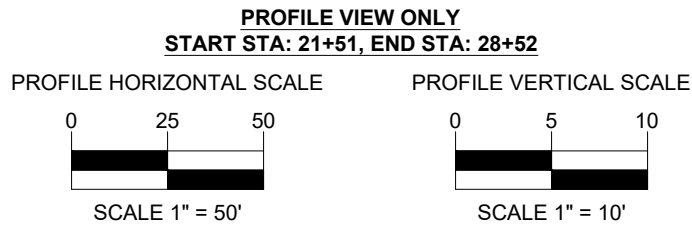
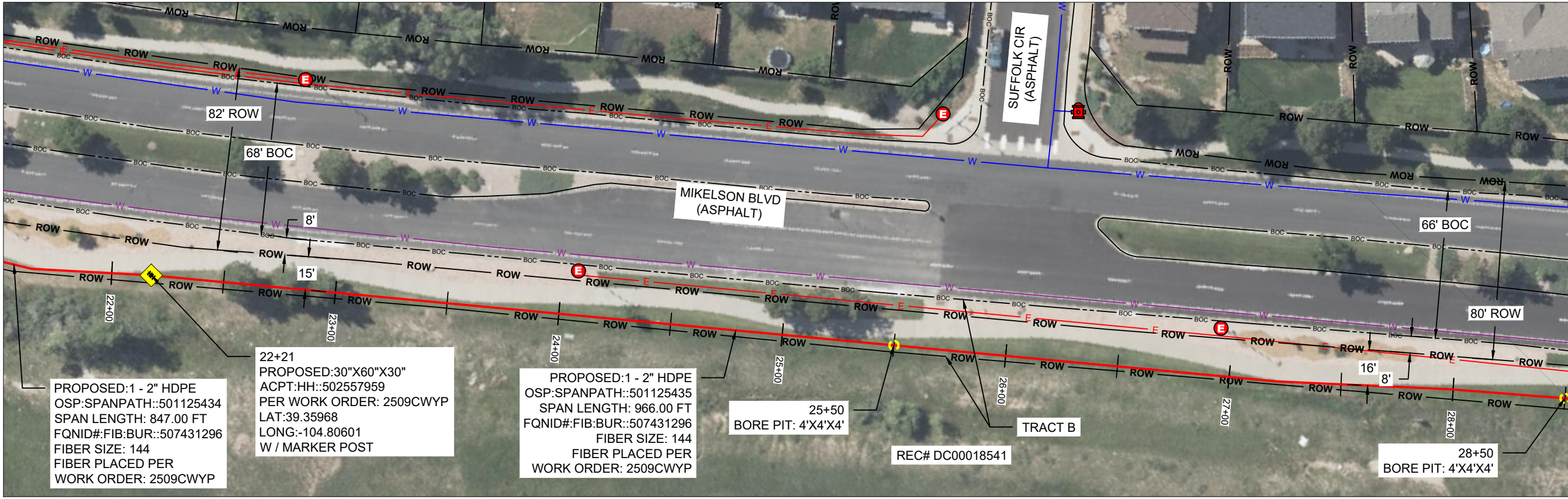
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SHEET NO: C-103

PAGE NO: 17 OF 36

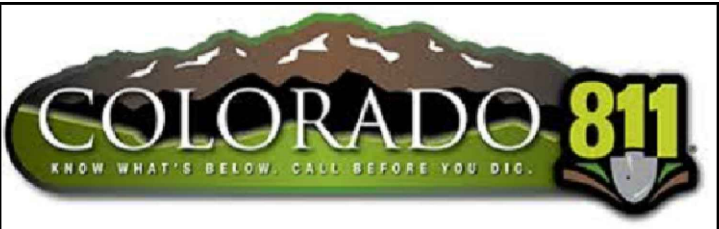
WORK ORDER:
2509CWYP



PLAN LEGEND						PROFILE LEGEND			
	PROPOSED UNDERGROUND		SEWER LINE		EASEMENT BOUNDARY		FIRE HYDRANT		EXISTING GRADE
	PROPOSED AERIAL		RECLAIMED WATER LINE		EXISTING HANDHOLE		SEWER STRUCTURE		PROPOSED GRADE
	EXISTING FIBER		COMMUNICATIONS LINE		PROPOSED HANDHOLE		DRAINAGE STRUCTURE		EXISTING CONDUIT
	OVER LASHING AERIAL		ELECTRICAL LINE		EXISTING MANHOLE		COMMUNICATIONS STRUCTURE		PROPOSED CONDUIT
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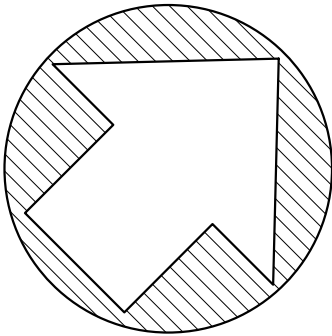


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NED
DENVER, CO



McImetro
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

DENVER, CO NED PERMIT

DATE: 3/2/26
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SCALE
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VERTICAL: 1" = 50'

SHEET NO: C-104
PAGE NO: 18 OF 36
WORK ORDER: 2509CWYP

TOWN OF CASTLE ROCK APPROVAL
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL

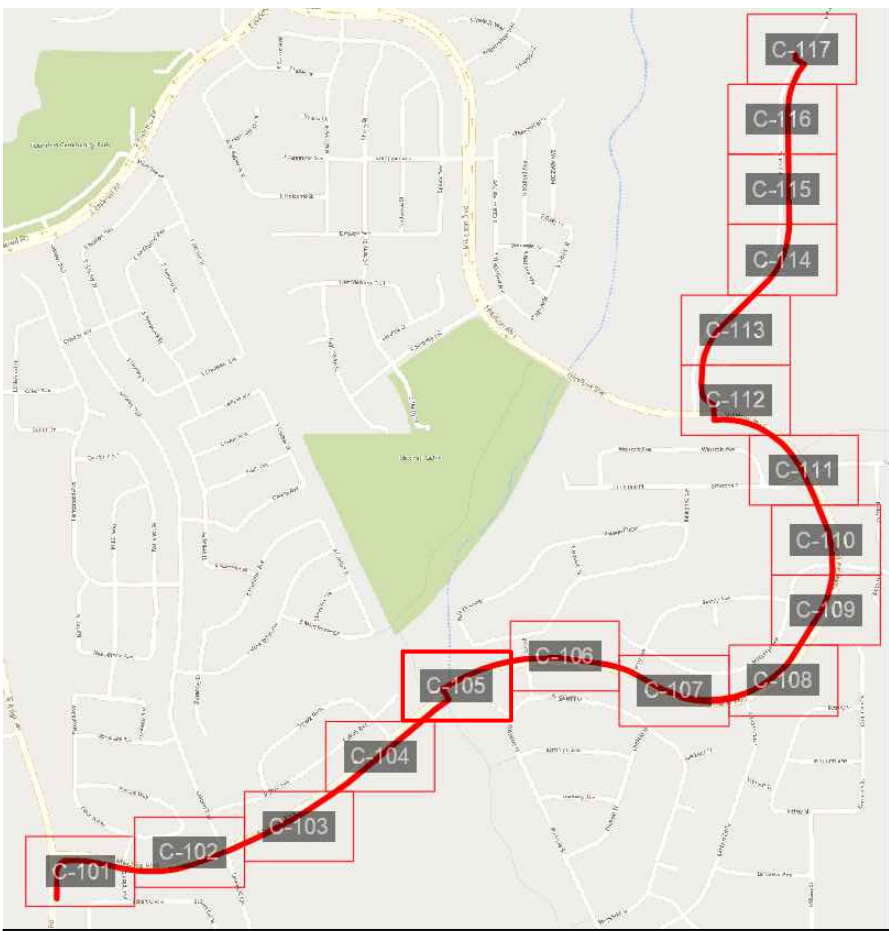
APPROVED BY: _____

DEVELOPMENT SERVICES _____ DATE _____

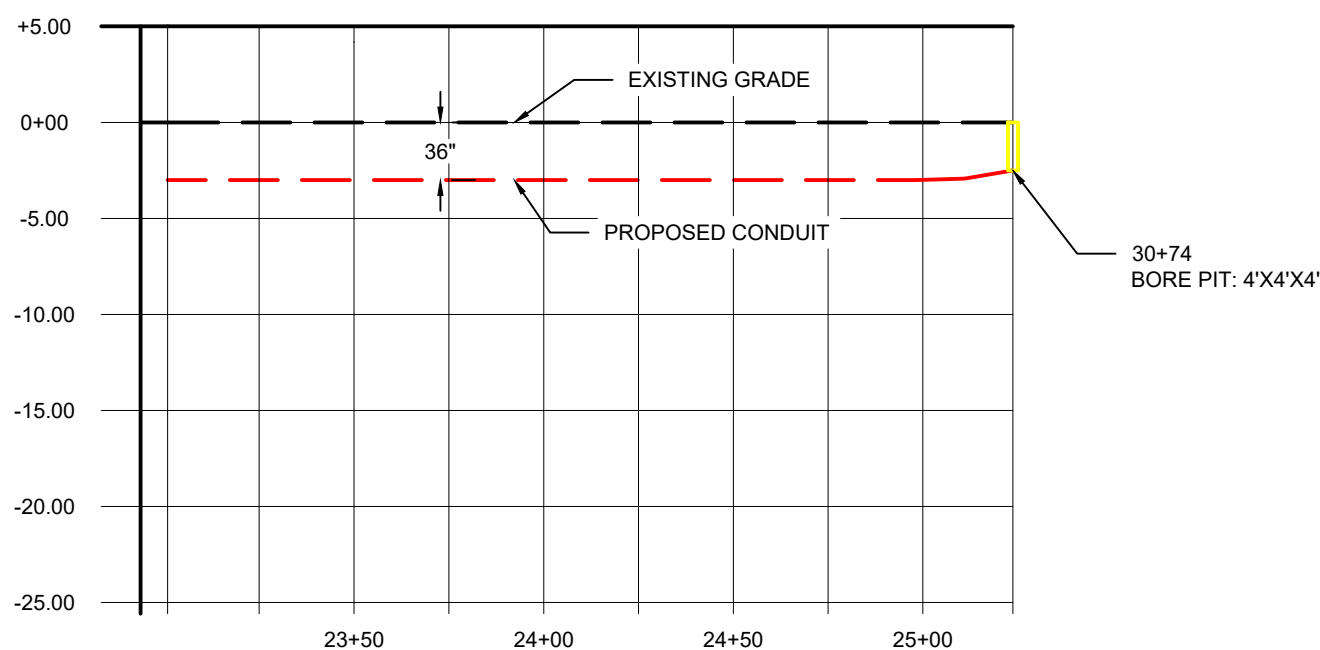
PROFESSIONAL ENGINEER CERTIFICATION

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DATE _____



verizon*business*
PROJECT:
DN1446_DN2000BA_11LAB_5339

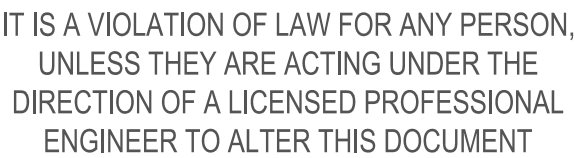


TOWN OF CASTLE ROCK APPROVAL PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL	
APPROVED BY:	
_____ DEVELOPMENT SERVICES	_____ DATE
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_____ _____ DATE	

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DAMAGE TO TOWN, HOA, METRO DISTRICT, OR PRIVATE PROPERTY SHALL BE PROMPTLY REPAIRED BY THE CONTRACTOR. THIS INCLUDES, BUT IS NOT LIMITED TO CONCRETE, LANDSCAPING, IRRIGATION, ELECTRICAL, SITE AMENITIES.

PULL BOXES SHALL BE KEPT OUT OF SIDE WALKS



DATE:	3/2/26
ENGINEER:	ADB
DRAWN BY:	TAZN

[illegible]

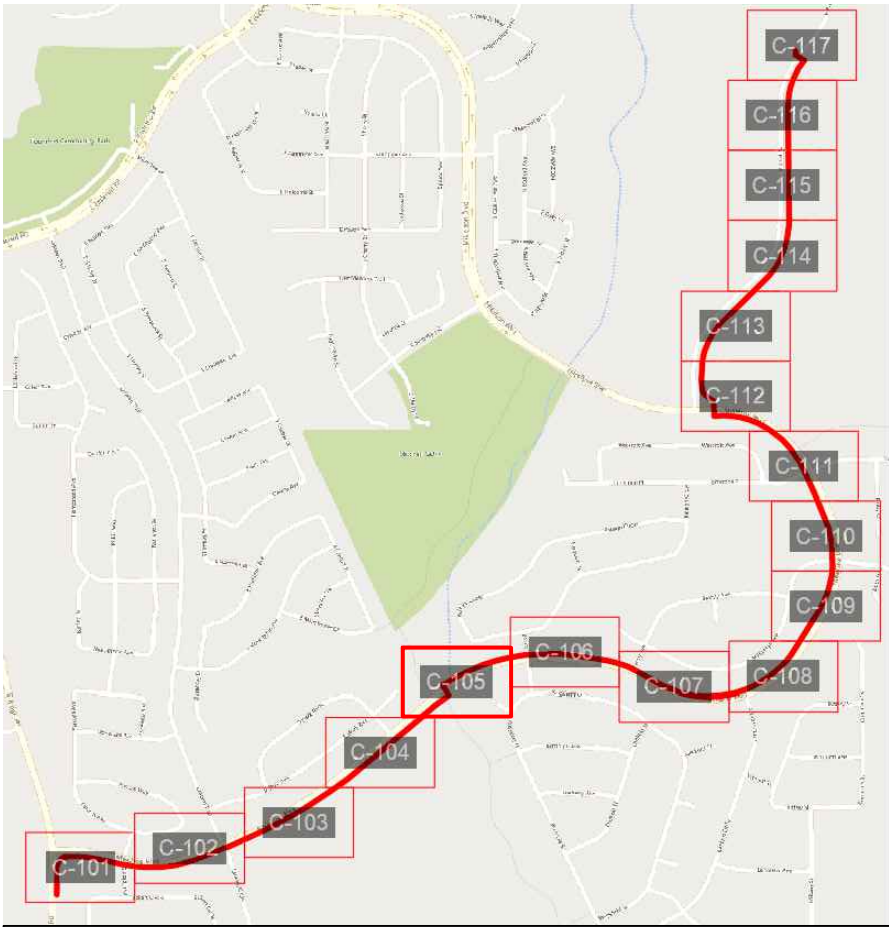
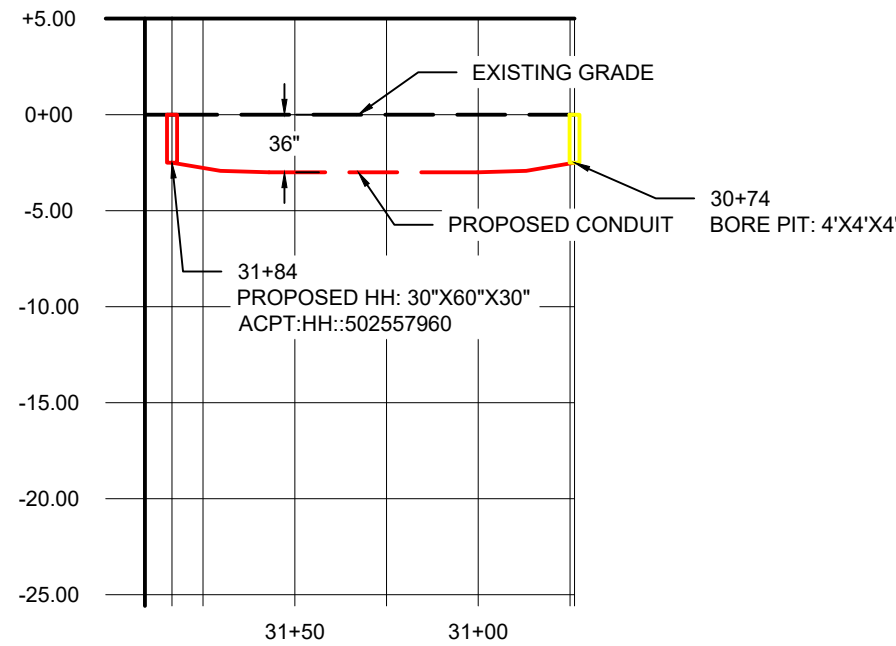
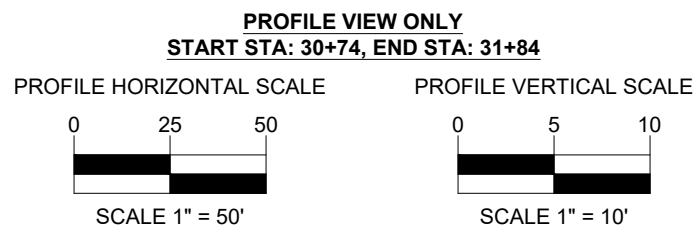
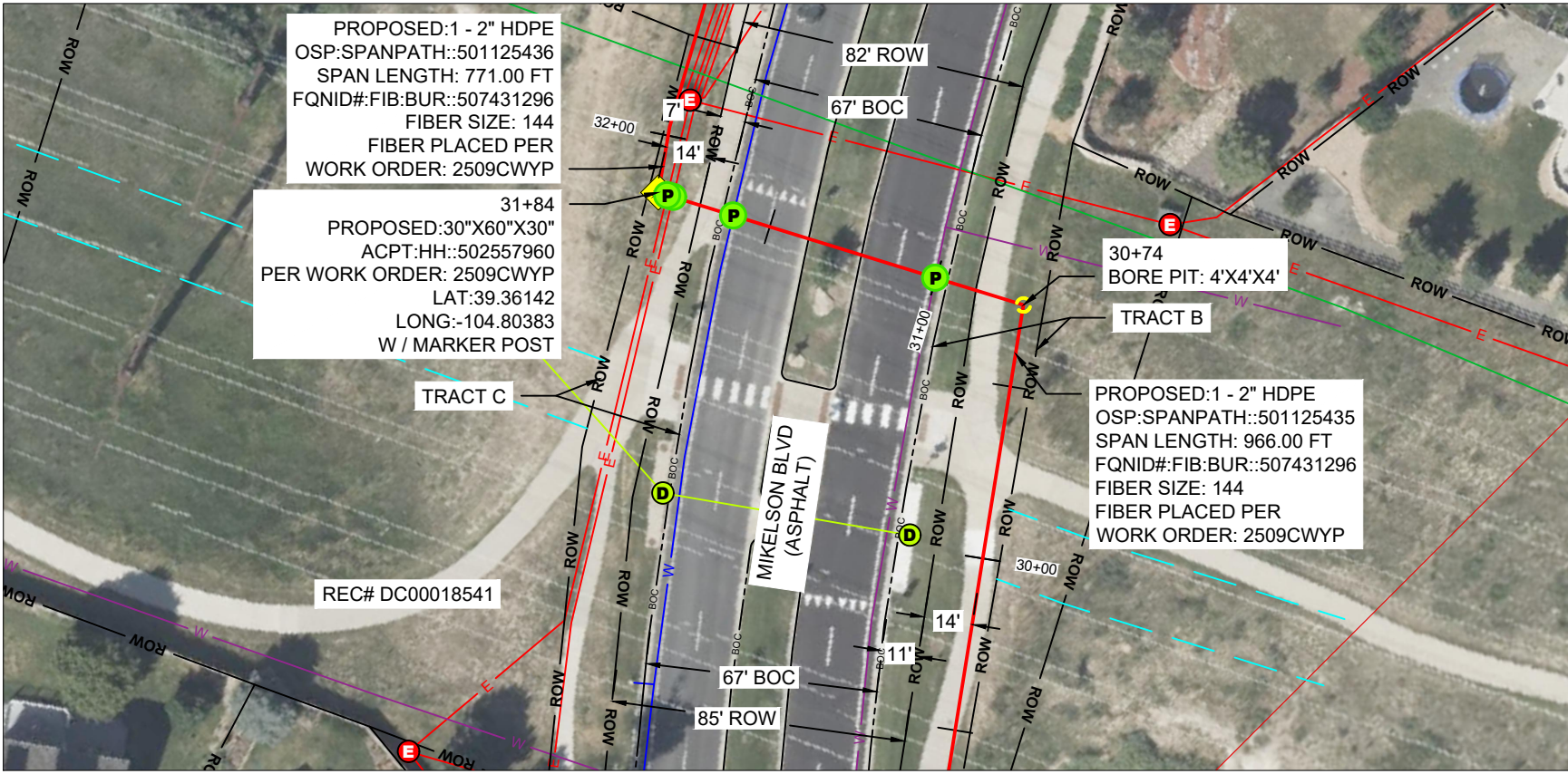
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SHEET NO: C-105.1

PAGE NO: 19 OF 36

WORK ORDER:
2509CWYP

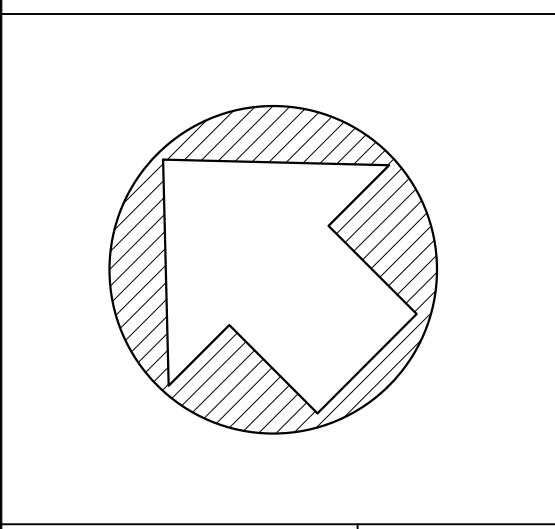


POTHOLE TABLE				
POTHOLE #	UTILITY	DIAMETER	TOP OF UTILITY	BOTTOM OF UTILITY
PH 17 @ 31+00	WATER			
PH 18 @ 31+61	WATER			
PH 19 @ 31+79	ELECTRIC			
PH 20 @ 31+81	ELECTRIC			

PROJECT:
DN1446_DN2000BA_11LAB_5339

NED

DENVER, CO



MCImetro

ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

DENVER, CO NED PERMIT

DATE:

3/2/26

ENGINEER:

ADB

DRAWN BY:

TAZN

REVISIONS		

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MCI COMMUNICATION SERVICES, INC. BOTH BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE

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SHEET NO: C-105.2

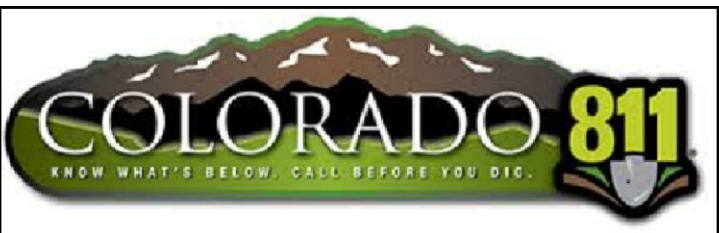
PAGE NO: 20 OF 36

WORK ORDER: 2509CWYP

PLAN LEGEND						PROFILE LEGEND			
	PROPOSED UNDERGROUND		SEWER LINE		EASEMENT BOUNDARY		FIRE HYDRANT		EXISTING GRADE
	PROPOSED AERIAL		RECLAIMED WATER LINE		EXISTING HANDHOLE		SEWER STRUCTUE		PROPOSED GRADE
	EXISTING FIBER		COMMUNICATIONS LINE		PROPOSED HANDHOLE		DRAINAGE STRUCTURE		EXISTING CONDUIT
	OVER LASHING AERIAL		ELECTRICAL LINE		EXISTING MANHOLE		COMMUNICATIONS STRUCTURE		PROPOSED CONDUIT
	WATER LINE		RIGHT OF WAY		SPLICE POINT		GAS STRUCTURE		EXISTING HANDHOLE / MANHOLE
	STORM DRAIN LINE		EDGE OF PAVEMENT		POTHOLE		ELECTRICAL STRUCTURE		PROPOSED HANDHOLE
	GAS LINE		BOUNDARY LINE		WATER STRUCTURE				BORE PIT

SLACK LOOP STANDARDS PER FIBER SIZE: 864- 75', 432 - 75' ,ALL OTHER FIBER SIZES- 100', ALL AERIAL SLACK LOOPS TO BE 150' AT EVERY 1500' BORES TO BE AT 36" DEPTH TYPICAL, 48" DEPTH AT DOT CROSSINGS IF BORING UNDER TREES IN ROW BORE TO BE DEPTH OF 7' TO AVOID ROOTS

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TOWN OF CASTLE ROCK APPROVAL
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM
DATE OF DEVELOPMENT SERVICES APPROVAL

APPROVED BY:

DATE

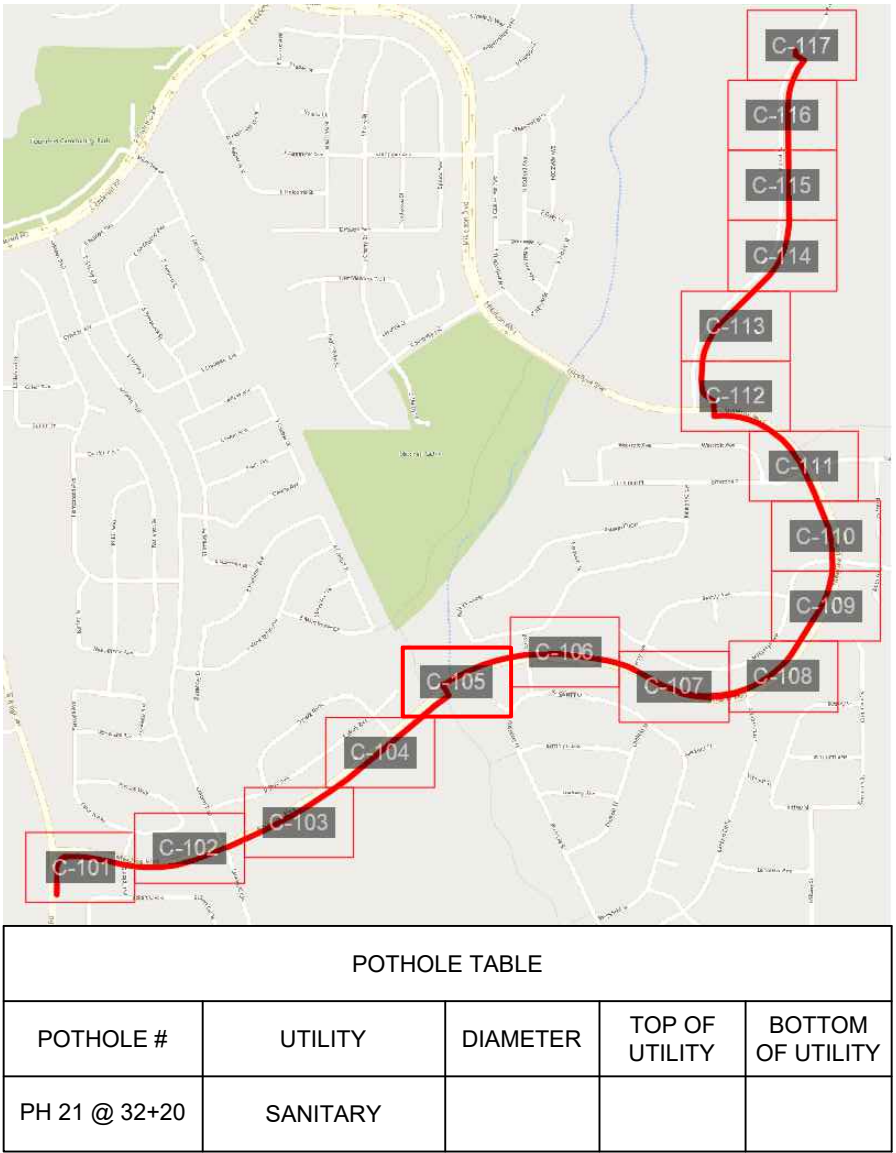
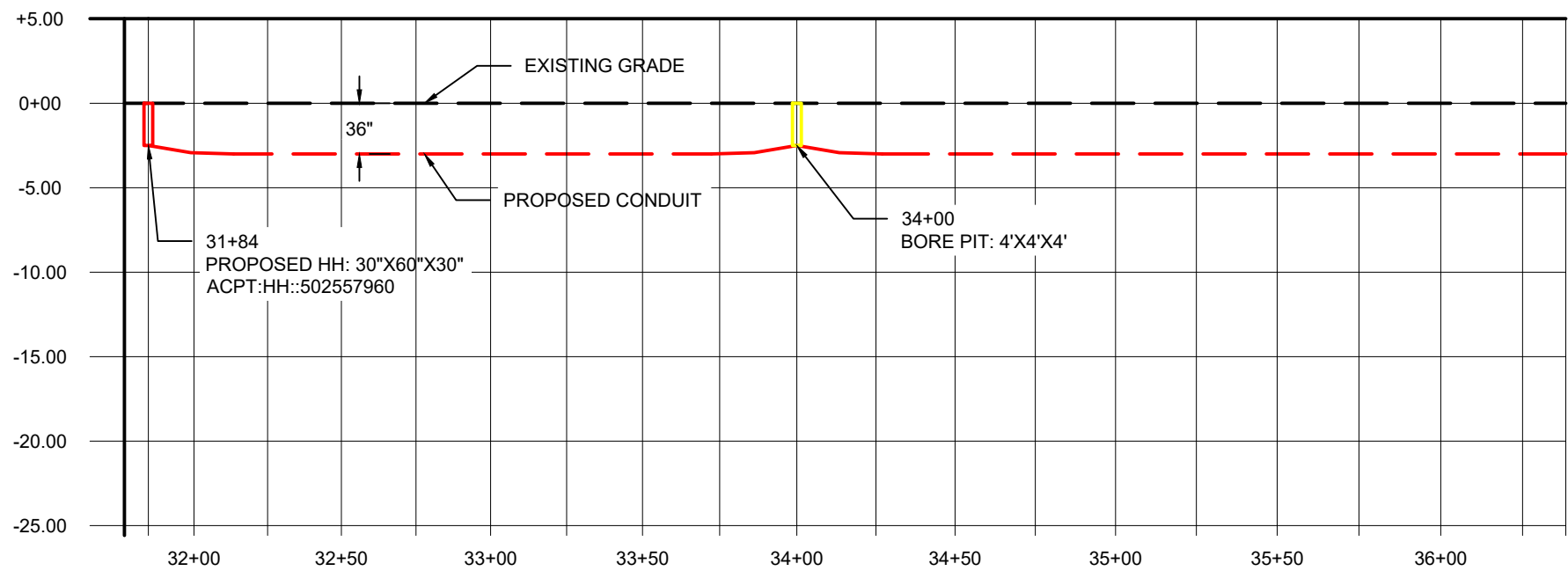
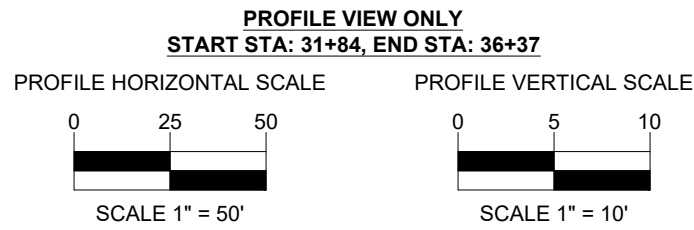
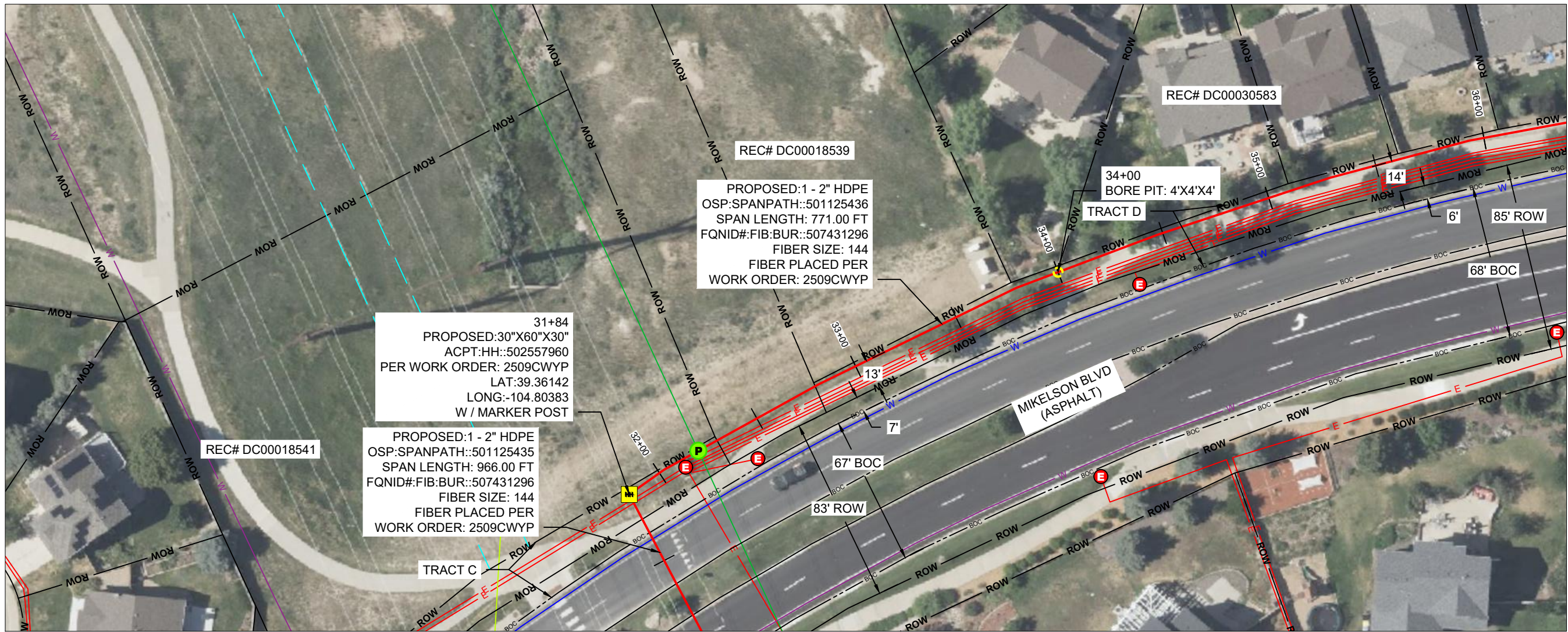
DEVELOPMENT SERVICES

DATE

PROFESSIONAL ENGINEER CERTIFICATION

I HEREBY AFFIRM THAT THESE FINAL CONSTRUCTION PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION, IN ACCORDANCE WITH ALL APPLICABLE TOWN OF CASTLE ROCK AND STATE OF COLORADO STANDARDS AND STATUTES, RESPECTIVELY, AND THAT I AM FULLY RESPONSIBLE FOR ALL DESIGN AND REVISION RELATIVE TO SAID PLANS.

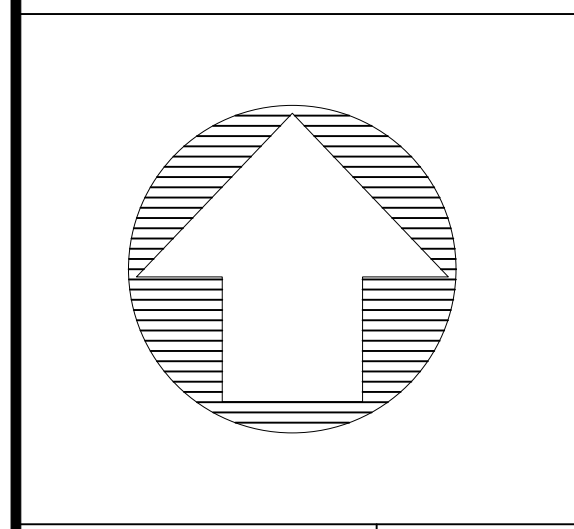
DATE



POTHOLE TABLE				
POTHOLE #	UTILITY	DIAMETER	TOP OF UTILITY	BOTTOM OF UTILITY
PH 21 @ 32+20	SANITARY			

verizonbusiness
PROJECT:
DN1446_DN2000BA_11LAB_5339

NED
DENVER, CO



MCImetro
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC CABLE ROUTE

DENVER, CO NED PERMIT

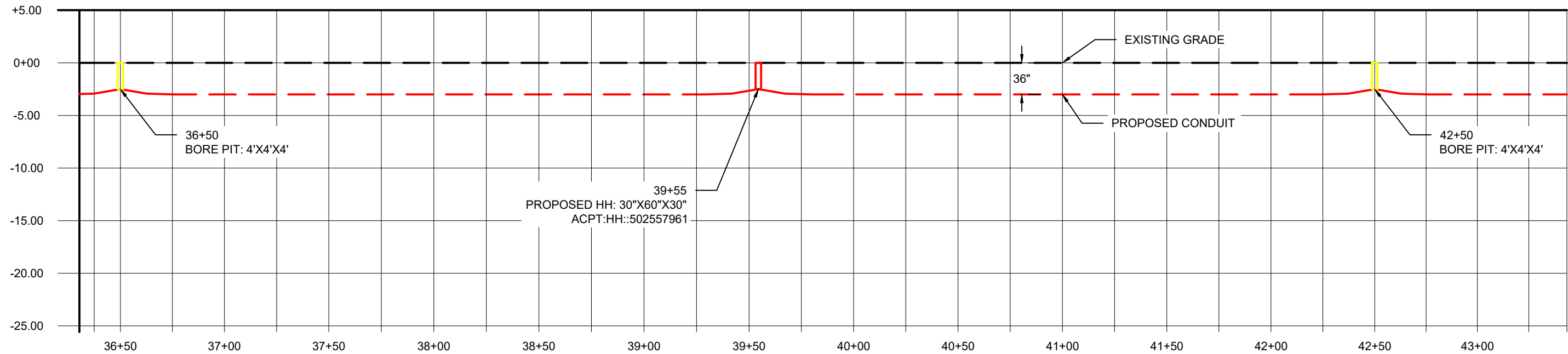
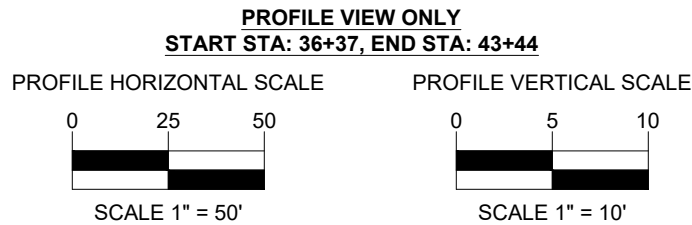
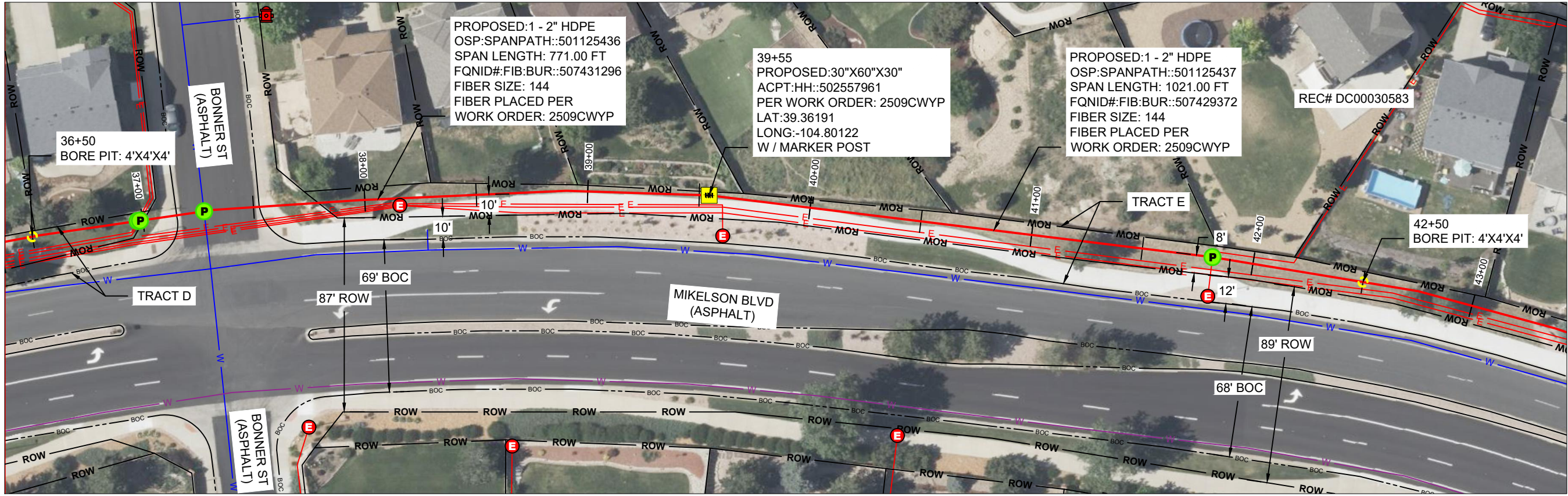
DATE: 3/2/26
ENGINEER: ADB
DRAWN BY: TAZN

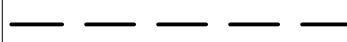
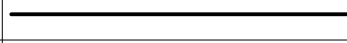
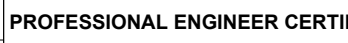
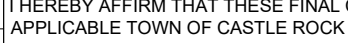
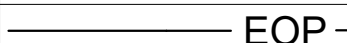
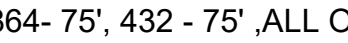
REVISIONS		

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SCALE
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 50'
SHEET NO: C-105.3
PAGE NO: 21 OF 36
WORK ORDER: 2509CWYP

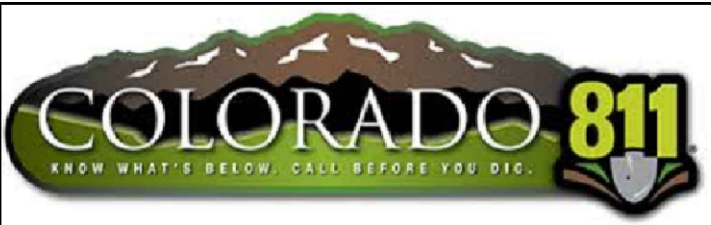
PLAN LEGEND										PROFILE LEGEND	
	UG	PROPOSED UNDERGROUND		SS	SEWER LINE						EXISTING GRADE
	AE	PROPOSED AERIAL		R	RECLAIMED WATER LINE						PROPOSED GRADE
	EX	EXISTING FIBER		C	COMMUNICATIONS LINE						EXISTING CONDUIT
	OA	OVER LASHING AERIAL		E	ELECTRICAL LINE						PROPOSED CONDUIT
	W	WATER LINE		ROW	RIGHT OF WAY						EXISTING HANDHOLE / MANHOLE
	DR	STORM DRAIN LINE		EOP	EDGE OF PAVEMENT						PROPOSED HANDHOLE
	NG	GAS LINE			BOUNDARY LINE						BORE PIT
											</



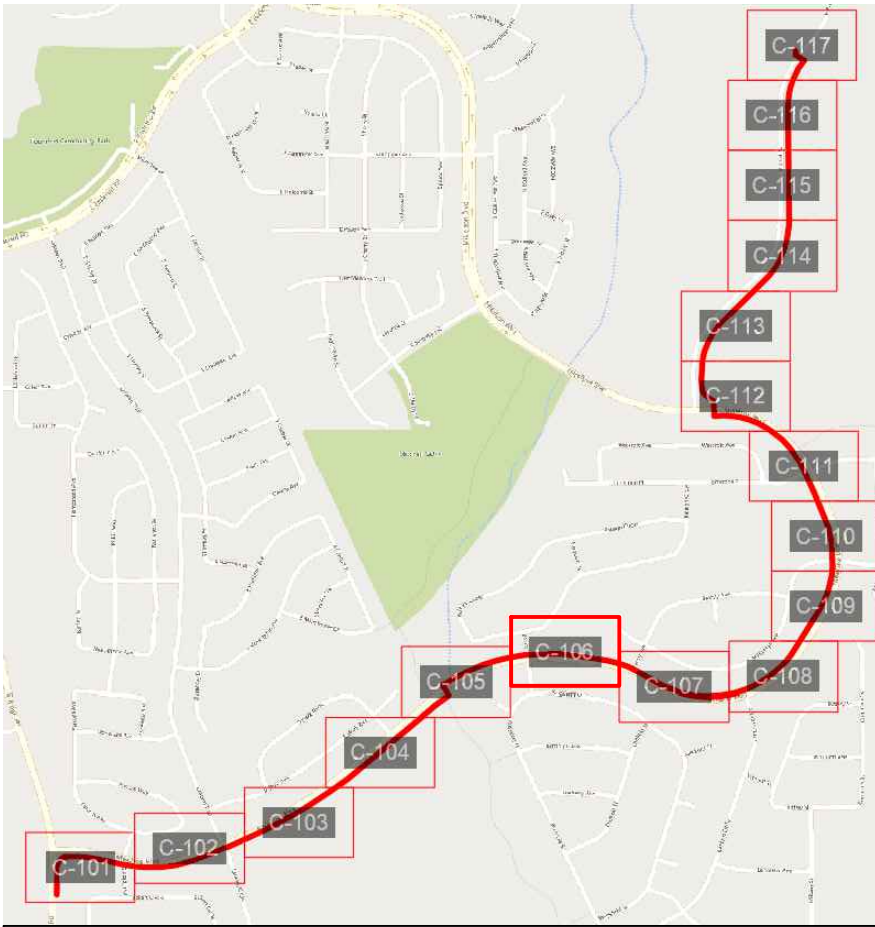
PLAN LEGEND										PROFILE LEGEND			
	PROPOSED UNDERGROUND		SEWER LINE		EASEMENT BOUNDARY		FIRE HYDRANT		EXISTING GRADE		PROPOSED GRADE		
	PROPOSED AERIAL		RECLAIMED WATER LINE		EXISTING HANDHOLE		SEWER STRUCTURE		EXISTING CONDUIT		PROPOSED CONDUIT		
	EXISTING FIBER		COMMUNICATIONS LINE		PROPOSED HANDHOLE		DRAINAGE STRUCTURE		EXISTING MANHOLE		PROPOSED MANHOLE		
	OVER LASHING AERIAL		ELECTRICAL LINE		EXISTING MANHOLE		COMMUNICATIONS STRUCTURE		EXISTING HANDHOLE / MANHOLE		PROPOSED HANDHOLE		
	WATER LINE		RIGHT OF WAY		SPLICE POINT		GAS STRUCTURE		PROPOSED HANDHOLE		BORE PIT		
	STORM DRAIN LINE		EDGE OF PAVEMENT		POTHOLE		ELECTRICAL STRUCTURE						
	GAS LINE		BOUNDARY LINE		WATER STRUCTURE								

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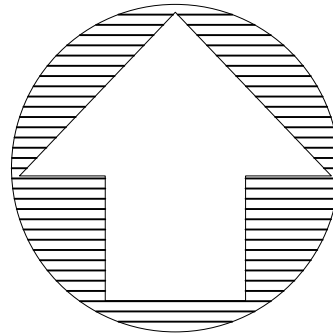
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POTHOLE TABLE				
POTHOLE #	UTILITY	DIAMETER	TOP OF UTILITY	BOTTOM OF UTILITY
PH 22 @ 36+98	ELECTRIC			
PH 23 @ 36+99	ELECTRIC			
PH 24 @ 37+28	WATER			
PH 25 @ 41+82	ELECTRIC			

verizonbusiness
PROJECT:
DN1446_DN2000BA_11LAB_5339

NED
DENVER, CO



McImetro
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

DENVER, CO NED PERMIT

DATE: 3/2/26

ENGINEER: ADB

DRAWN BY: TAZN

REVISIONS

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SCALE

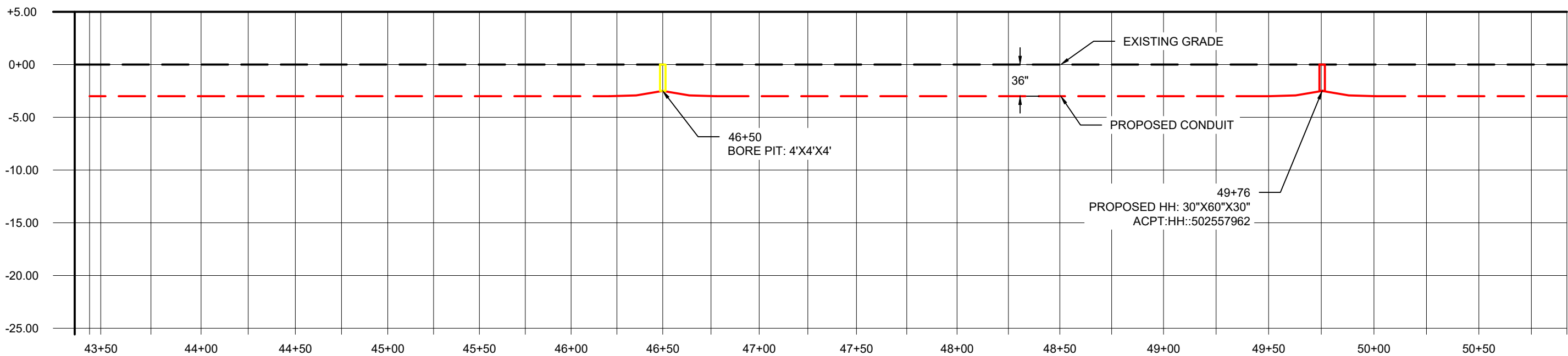
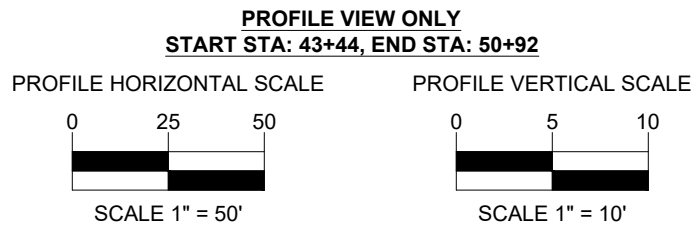
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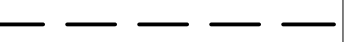
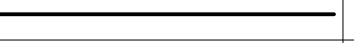
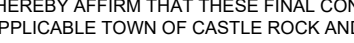
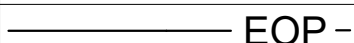
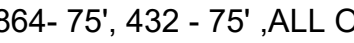
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SHEET NO: C-106

PAGE NO: 22 OF 36

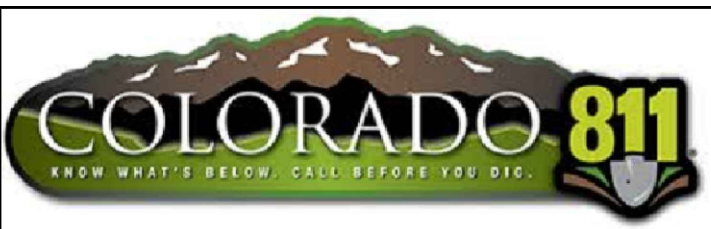
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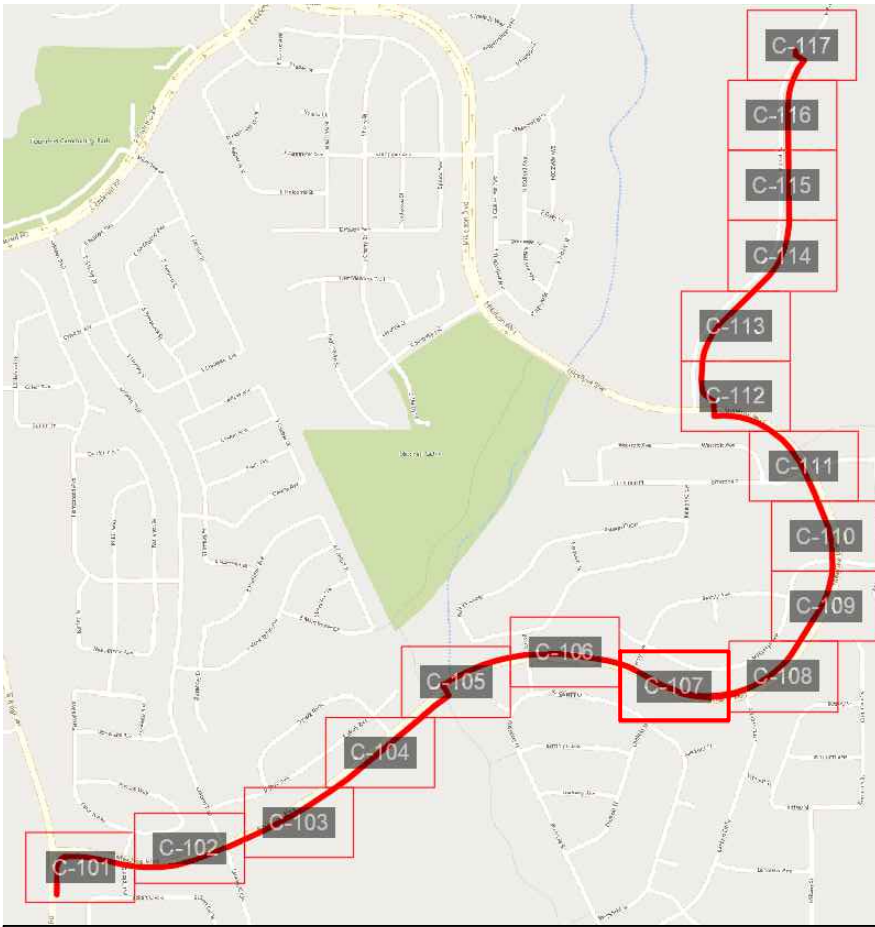
PLAN LEGEND										PROFILE LEGEND			
	PROPOSED UNDERGROUND		SEWER LINE		EASEMENT BOUNDARY		FIRE HYDRANT		EXISTING GRADE		EXISTING GRADE		
	PROPOSED AERIAL		RECLAIMED WATER LINE		EXISTING HANDHOLE		SEWER STRUCTURE		PROPOSED GRADE		PROPOSED GRADE		
	EXISTING FIBER		COMMUNICATIONS LINE		EXISTING MANHOLE		DRAINAGE STRUCTURE		PROPOSED CONDUIT		PROPOSED CONDUIT		
	OVER LASHING AERIAL		ELECTRICAL LINE		SPLICE POINT		GAS STRUCTURE		EXISTING HANDHOLE / MANHOLE		EXISTING HANDHOLE / MANHOLE		
	WATER LINE		RIGHT OF WAY		POTHOLE		ELECTRICAL STRUCTURE		PROPOSED HANDHOLE		PROPOSED HANDHOLE		
	STORM DRAIN LINE		EDGE OF PAVEMENT		WATER STRUCTURE				BORE PIT				
	GAS LINE		BOUNDARY LINE										

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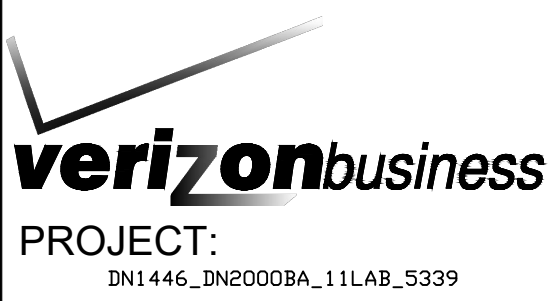
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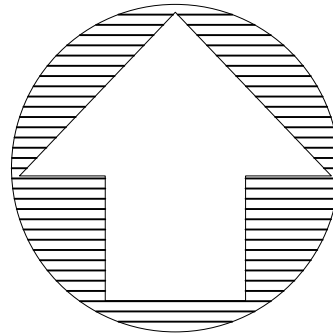
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POTHOLE TABLE				
POTHOLE #	UTILITY	DIAMETER	TOP OF UTILITY	BOTTOM OF UTILITY
PH 26 @ 44+01	ELECTRIC			
PH 27 @ 44+19	ELECTRIC			
PH 28 @ 44+23	WATER			
PH 29 @ 47+60	ELECTRIC			
PH 30 @ 49+86	ELECTRIC			
PH 31 @ 49+90	ELECTRIC			



NED
DENVER, CO



McImetro
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

DENVER, CO NED PERMIT

DATE: 3/2/26

ENGINEER: ADB

DRAWN BY: TAZN

REVISIONS

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SCALE

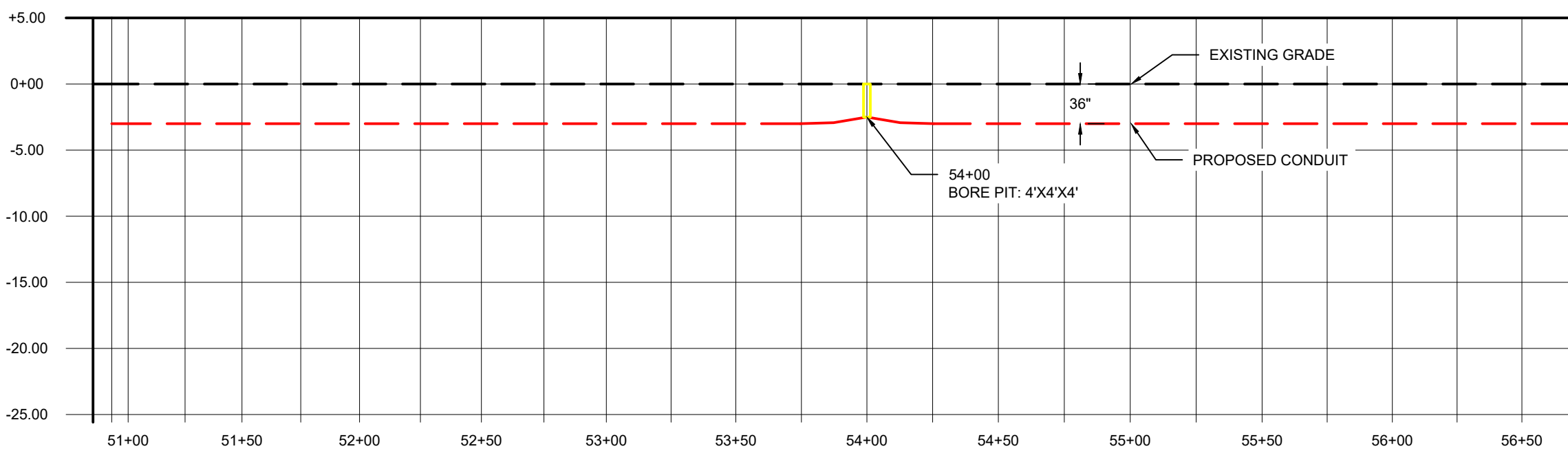
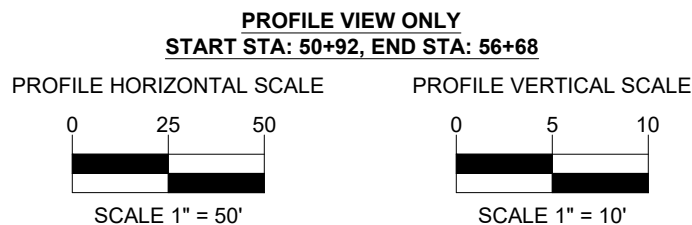
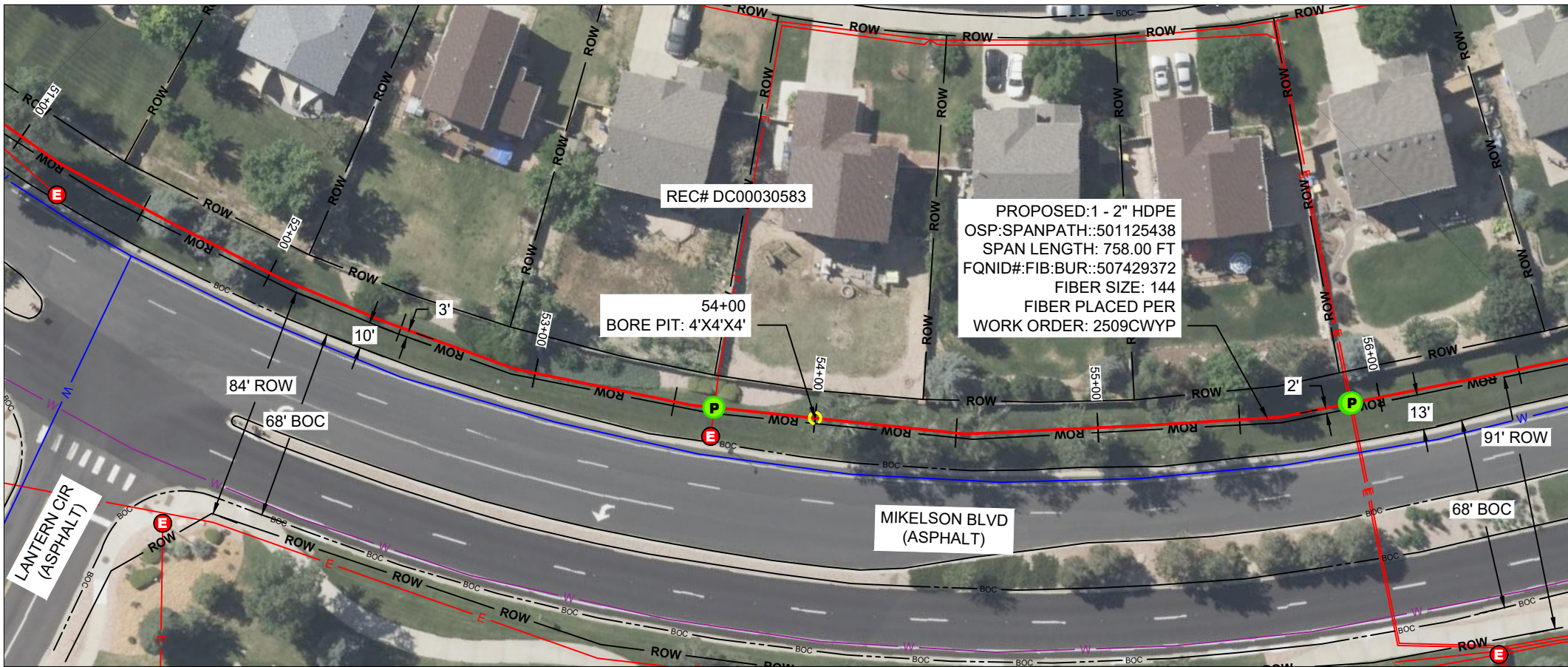
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VERTICAL: 1: 50

SHEET NO: C-107

PAGE NO: 23 OF 36

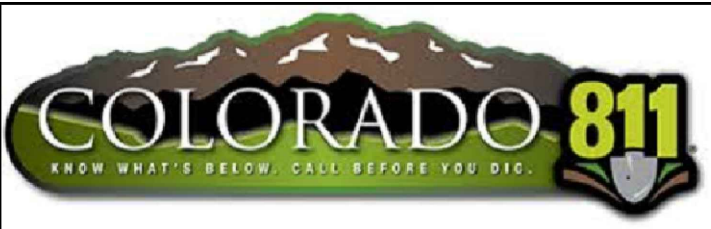
WORK ORDER:
2509CWYP



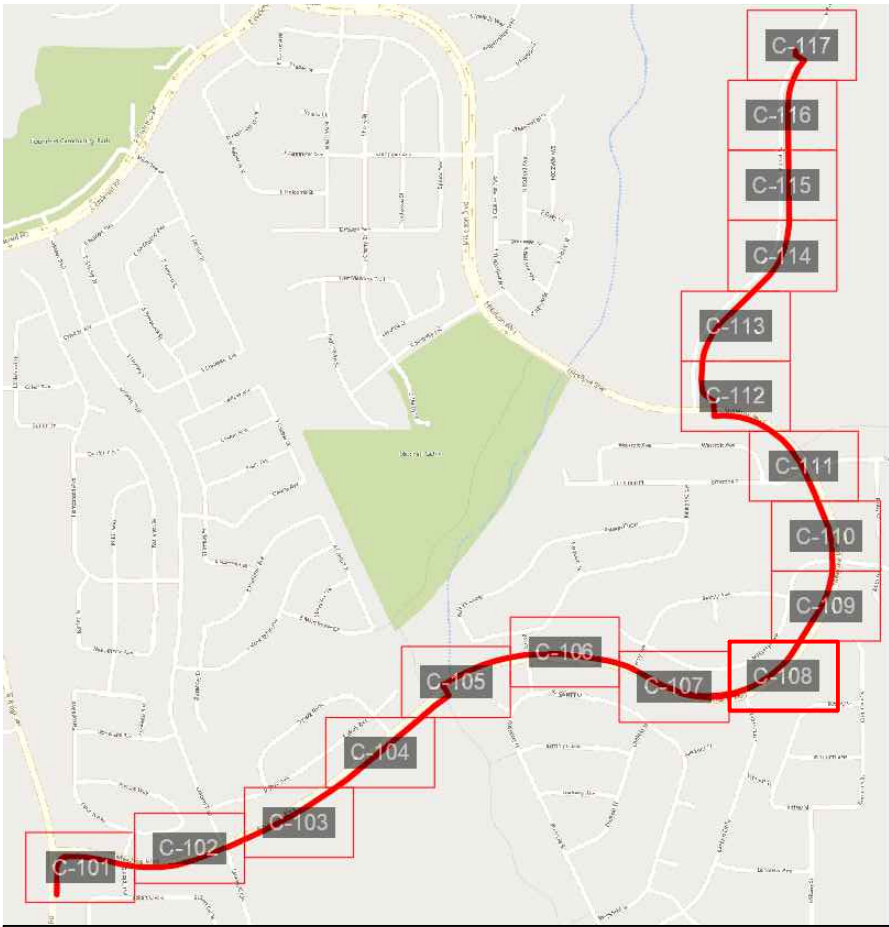
PLAN LEGEND						PROFILE LEGEND			
	PROPOSED UNDERGROUND		SEWER LINE		EASEMENT BOUNDARY		FIRE HYDRANT		EXISTING GRADE
	PROPOSED AERIAL		RECLAIMED WATER LINE		EXISTING HANDHOLE		SEWER STRUCTURE		PROPOSED GRADE
	EXISTING FIBER		COMMUNICATIONS LINE		PROPOSED HANDHOLE		DRAINAGE STRUCTURE		EXISTING CONDUIT
	OVER LASHING AERIAL		ELECTRICAL LINE		EXISTING MANHOLE		COMMUNICATIONS STRUCTURE		PROPOSED CONDUIT
	WATER LINE		RIGHT OF WAY		SPLICE POINT		GAS STRUCTURE		EXISTING HANDHOLE / MANHOLE
	STORM DRAIN LINE		EDGE OF PAVEMENT		POTHOLE		ELECTRICAL STRUCTURE		PROPOSED HANDHOLE
	GAS LINE		BOUNDARY LINE		WATER STRUCTURE				BORE PIT

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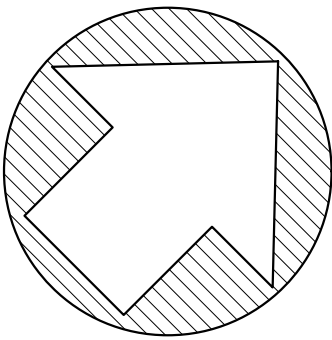
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POTHOLE TABLE				
POTHOLE #	UTILITY	DIAMETER	TOP OF UTILITY	BOTTOM OF UTILITY
PH 32 @ 53+64	ELECTRIC			
PH 33 @ 55+89	ELECTRIC			
PH 34 @ 55+90	ELECTRIC			



NED
DENVER, CO



McImetro
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

DENVER, CO NED PERMIT

DATE: 3/2/26

ENGINEER: ADB

DRAWN BY: TAZN

REVISIONS

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SCALE

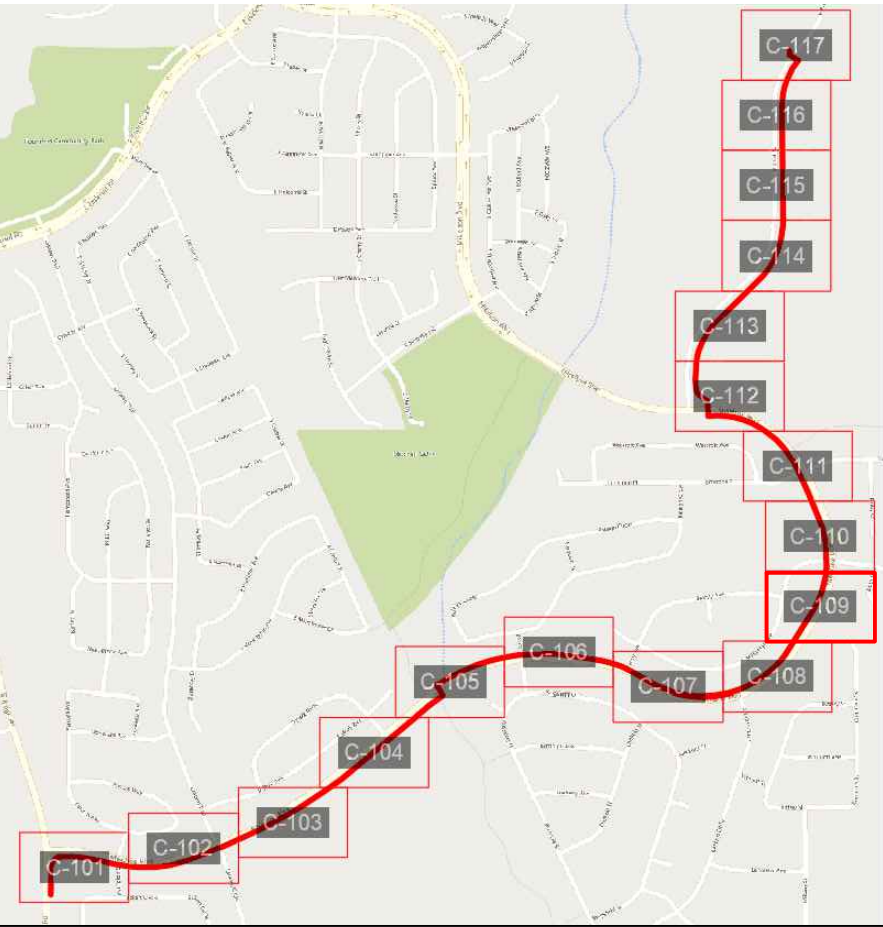
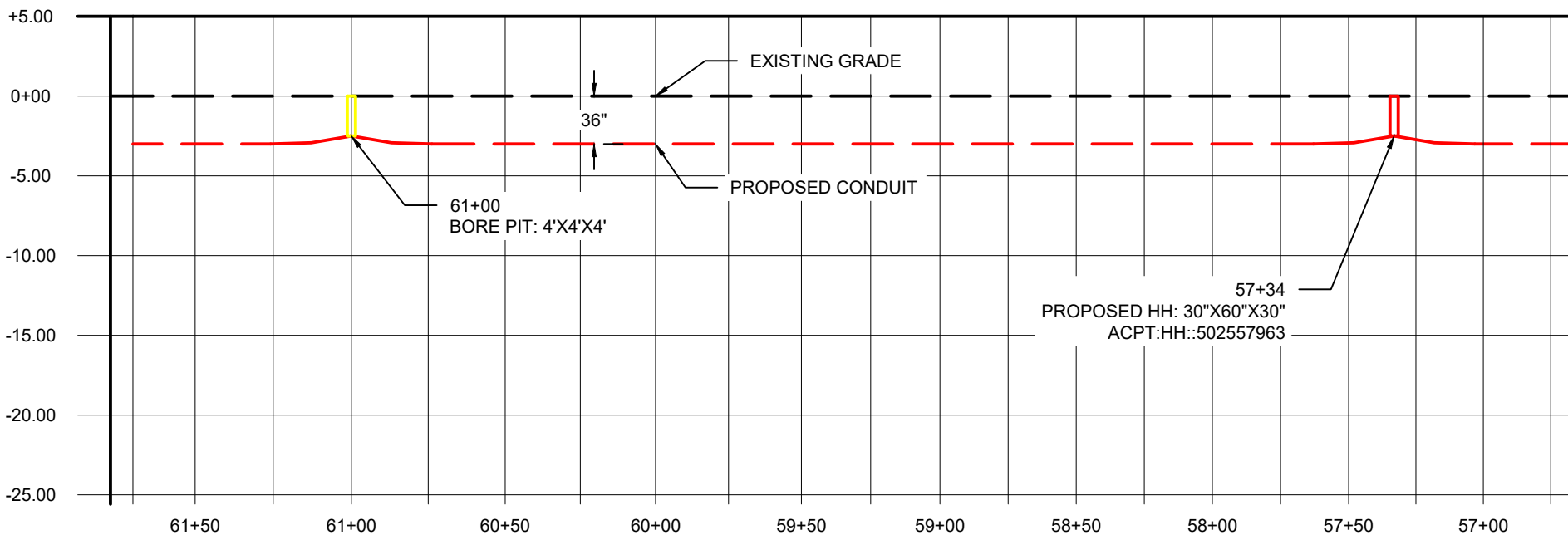
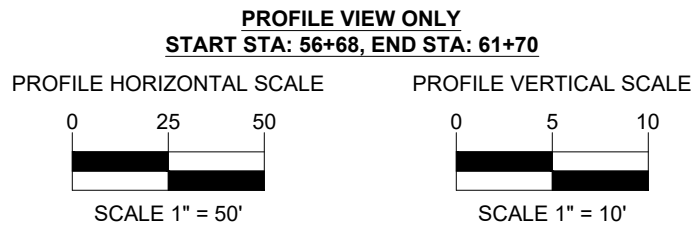
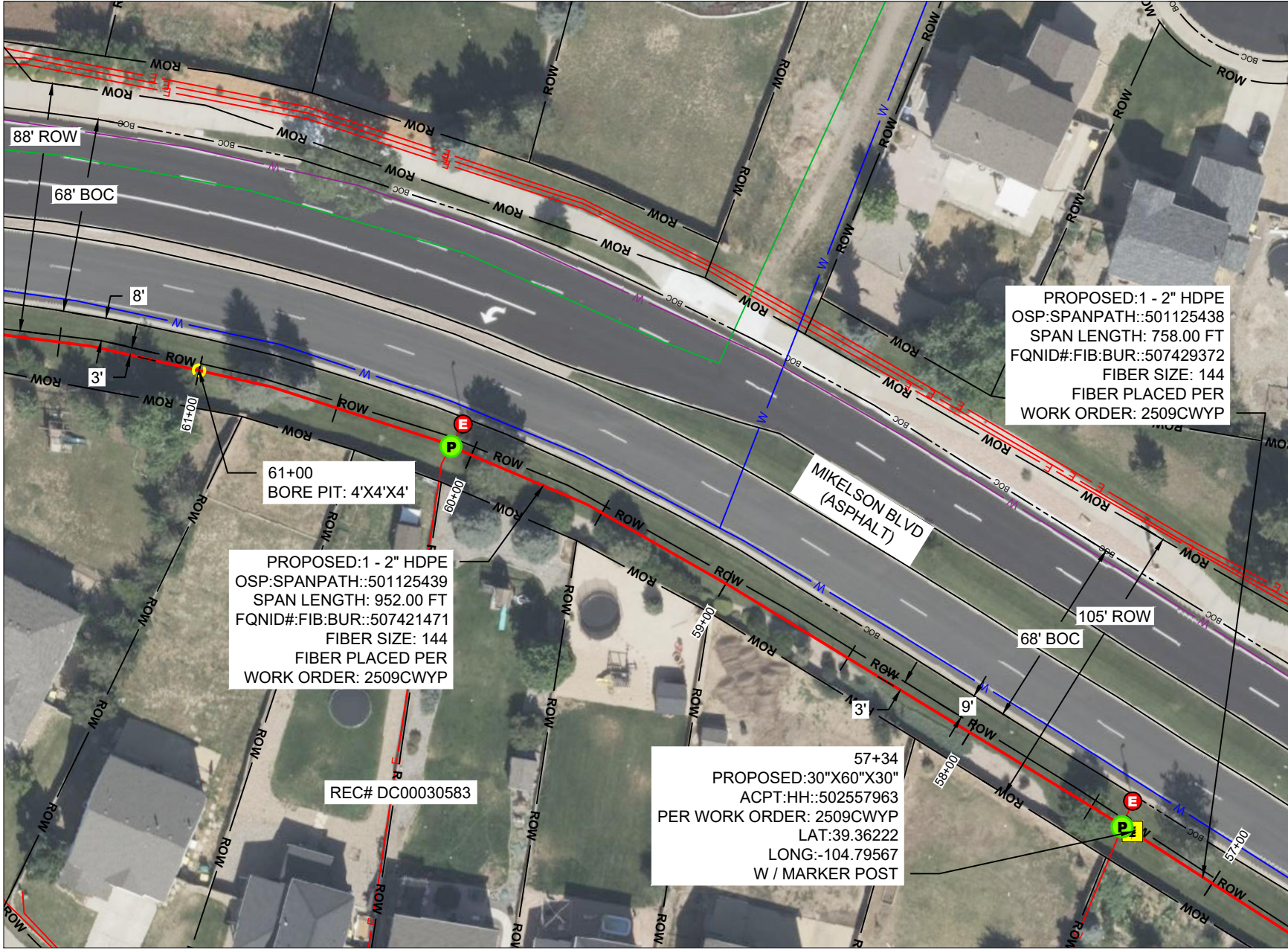
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VERTICAL: 1: 50

SHEET NO: C-108

PAGE NO: 24 OF 36

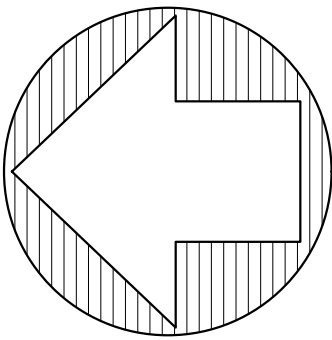
WORK ORDER:
2509CWYP



POTHOLE TABLE				
POTHOLE #	UTILITY	DIAMETER	TOP OF UTILITY	BOTTOM OF UTILITY
PH 35 @ 57+37	ELECTRIC			
PH 36 @ 60+08	ELECTRIC			

verizonbusiness
PROJECT:
DN1446_DN2000BA_11LAB_5339

NED
DENVER, CO



MCImetro
ACCESS TRANSMISSION SERVICES, LLC
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC CABLE ROUTE
DENVER, CO NED PERMIT

DATE: 3/2/26

ENGINEER: ADB

DRAWN BY: TAZN

REVISIONS

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SCALE

HORIZONTAL: 1: 50

VERTICAL: 1: 50

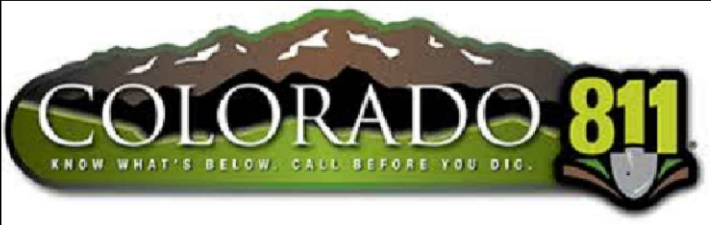
SHEET NO: C-109

PAGE NO: 25 OF 36

WORK ORDER:
2509CWYP

PLAN LEGEND				PROFILE LEGEND			
	PROPOSED UNDERGROUND		SEWER LINE		EASEMENT BOUNDARY		FIRE HYDRANT
	PROPOSED AERIAL		RECLAIMED WATER LINE		EXISTING HANDHOLE		SEWER STRUCTURE
	EXISTING FIBER		COMMUNICATIONS LINE		PROPOSED HANDHOLE		DRAINAGE STRUCTURE
	OVER LASHING AERIAL		ELECTRICAL LINE		EXISTING MANHOLE		COMMUNICATIONS STRUCTURE
	WATER LINE		RIGHT OF WAY		SPLICE POINT		GAS STRUCTURE
	STORM DRAIN LINE		EDGE OF PAVEMENT		POTHOLE		ELECTRICAL STRUCTURE
	GAS LINE		BOUNDARY LINE		WATER STRUCTURE		

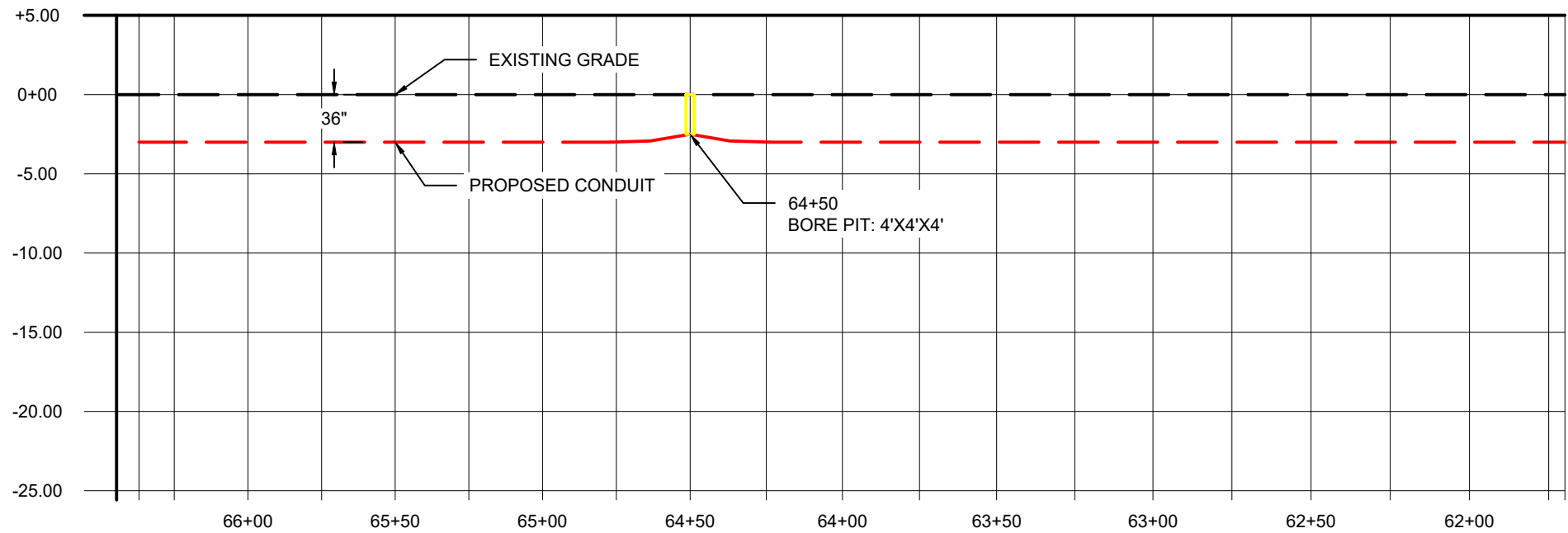
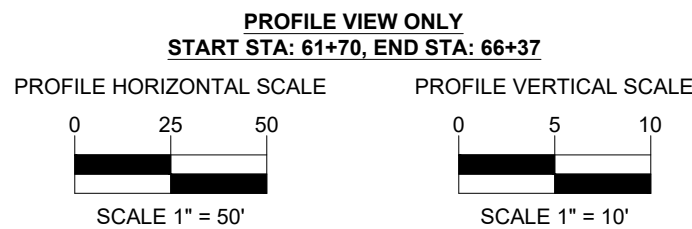
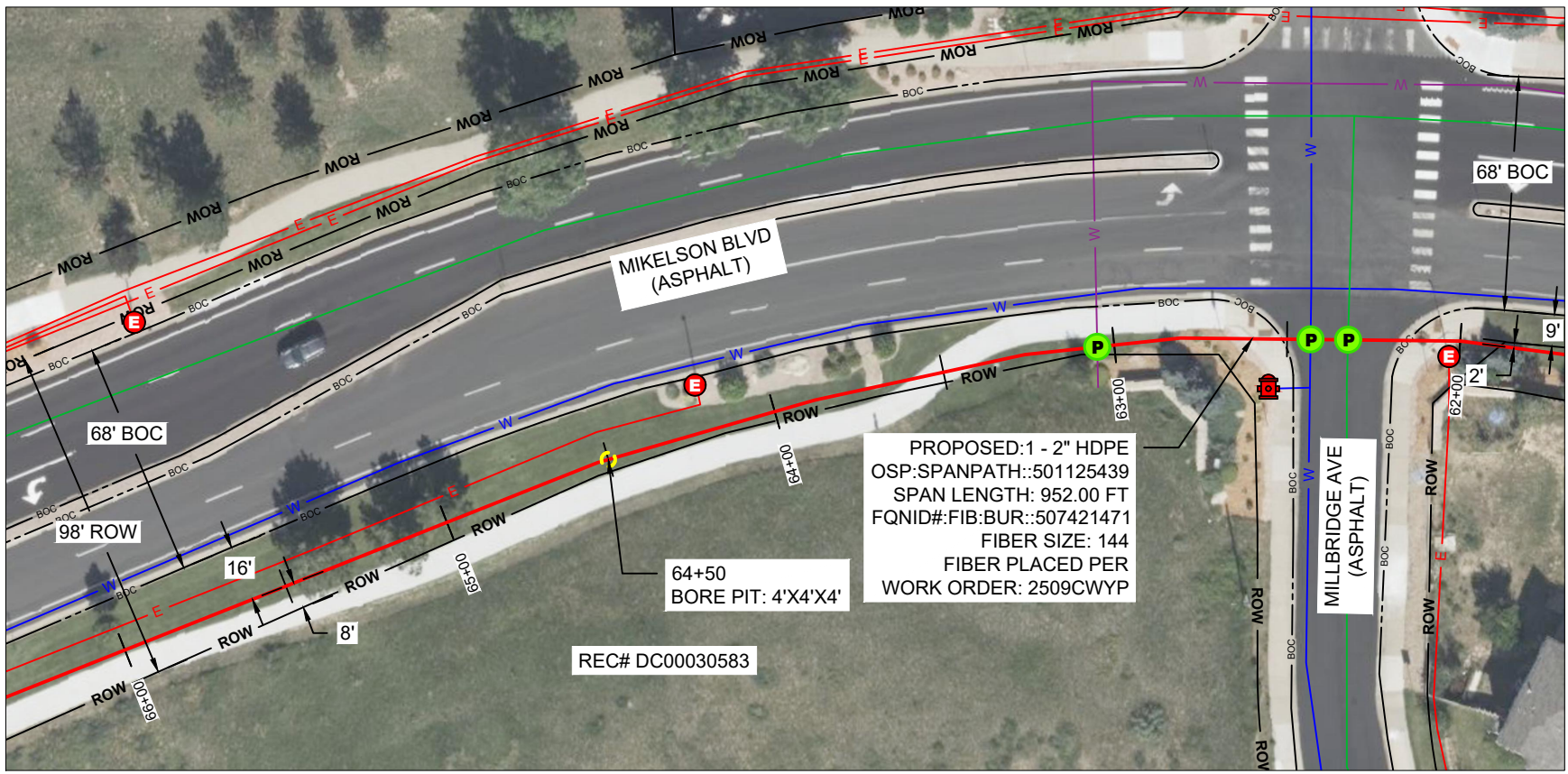
SIDEWALKS AND TRAILS SHOULD REMAIN OPEN DURING CONSTRUCTION AND SHALL NOT BE USED FOR STAGING OR CONSTRUCTION ACCESS.
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PULL BOXES SHALL BE KEPT OUT OF SIDE WALKS



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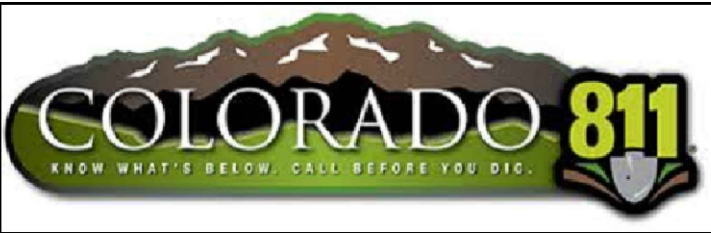
SLACK LOOP STANDARDS PER FIBER SIZE: 864- 75', 432 - 75' ,ALL OTHER FIBER SIZES- 100', ALL AERIAL SLACK LOOPS TO BE 150' AT EVERY 1500' BORES TO BE AT 36" DEPTH TYPICAL, 48" DEPTH AT DOT CROSSINGS IF BORING UNDER TREES IN ROW BORE TO BE DEPTH OF 7' TO AVOID ROOTS



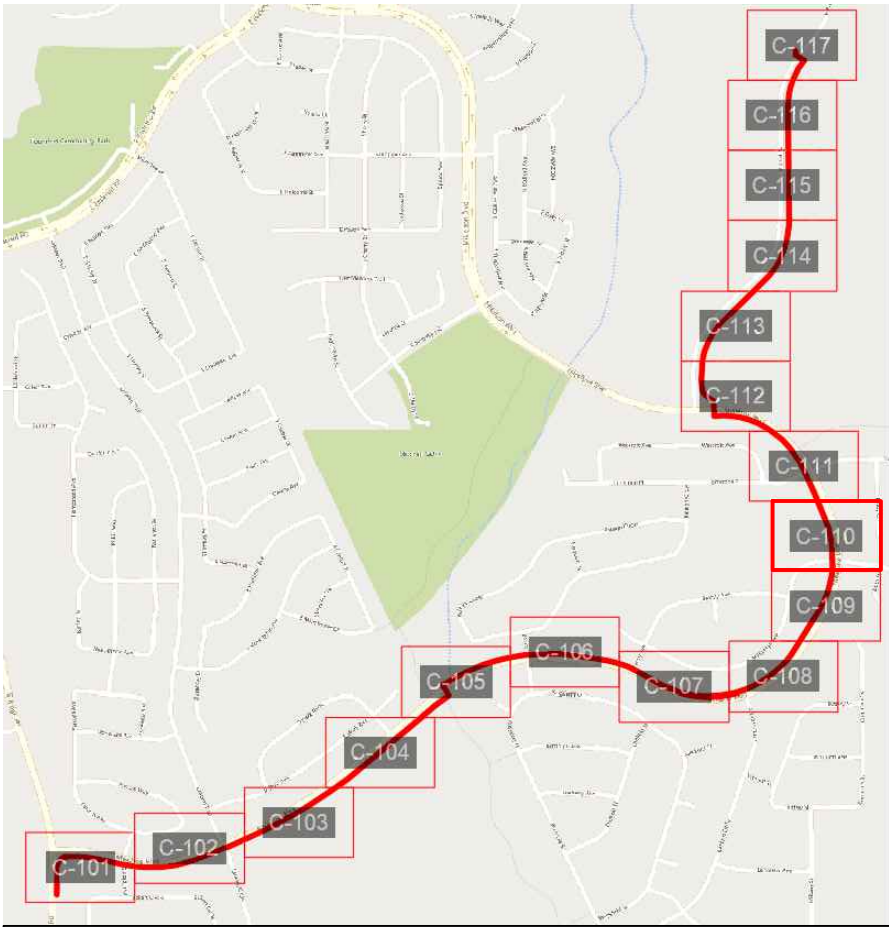
PLAN LEGEND						PROFILE LEGEND			
	PROPOSED UNDERGROUND		SEWER LINE		EASEMENT BOUNDARY		FIRE HYDRANT		EXISTING GRADE
	PROPOSED AERIAL		RECLAIMED WATER LINE		EXISTING HANDHOLE		SEWER STRUCTURE		PROPOSED GRADE
	EXISTING FIBER		COMMUNICATIONS LINE		PROPOSED HANDHOLE		DRAINAGE STRUCTURE		EXISTING CONDUIT
	OVER LASHING AERIAL		ELECTRICAL LINE		EXISTING MANHOLE		COMMUNICATIONS STRUCTURE		PROPOSED CONDUIT
	WATER LINE		RIGHT OF WAY		SPLICE POINT		GAS STRUCTURE		EXISTING HANDHOLE / MANHOLE
	STORM DRAIN LINE		EDGE OF PAVEMENT		POTHOLE		ELECTRICAL STRUCTURE		PROPOSED HANDHOLE
	GAS LINE		BOUNDARY LINE		WATER STRUCTURE		BORE PIT		

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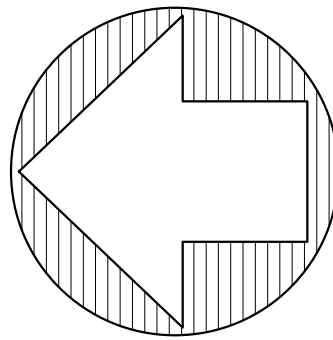
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POTHOLE TABLE				
POTHOLE #	UTILITY	DIAMETER	TOP OF UTILITY	BOTTOM OF UTILITY
PH 37 @ 62+32	SANITARY			
PH 38 @ 62+43	WATER			
PH 39 @ 63+05	WATER			

verizonbusiness
PROJECT:
DN1446_DN2000BA_11LAB_5339

NED
DENVER, CO



MCImetro
ACCESS TRANSMISSION SERVICES, LLC
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC CABLE ROUTE
DENVER, CO NED PERMIT

DATE: 3/2/26

ENGINEER: ADB

DRAWN BY: TAZN

REVISIONS

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SCALE

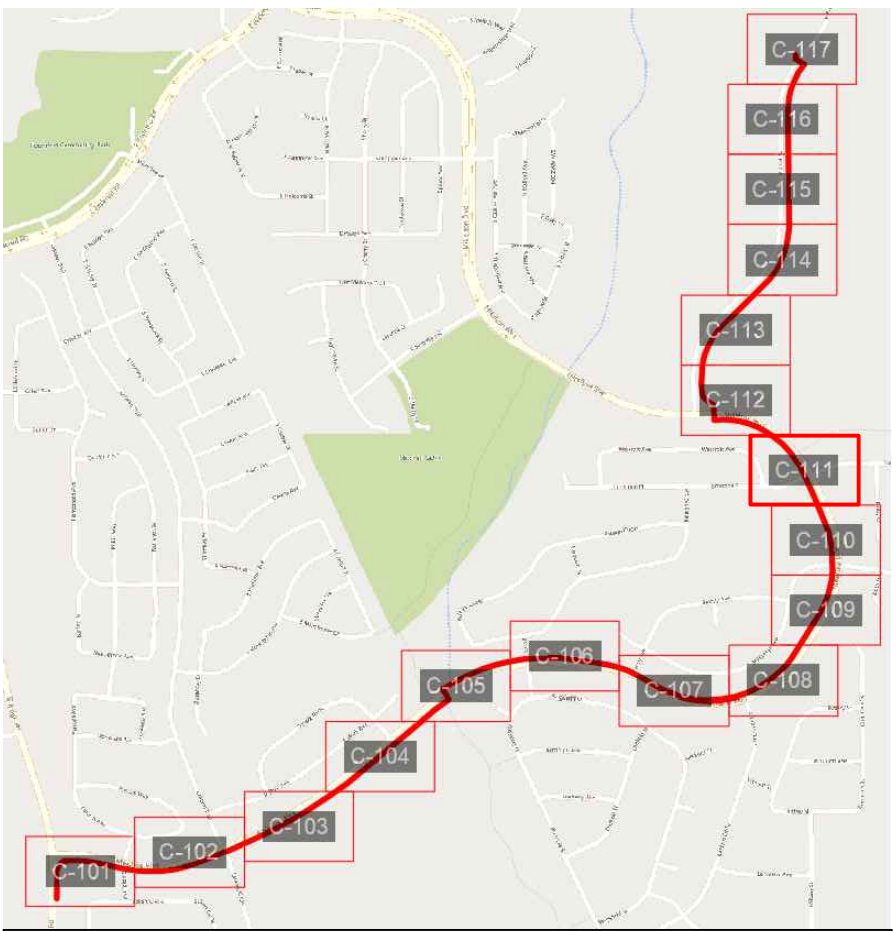
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VERTICAL: 1: 50

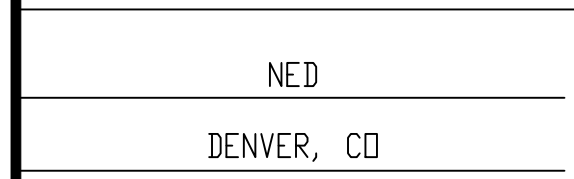
SHEET NO: C-110

PAGE NO: 26 OF 36

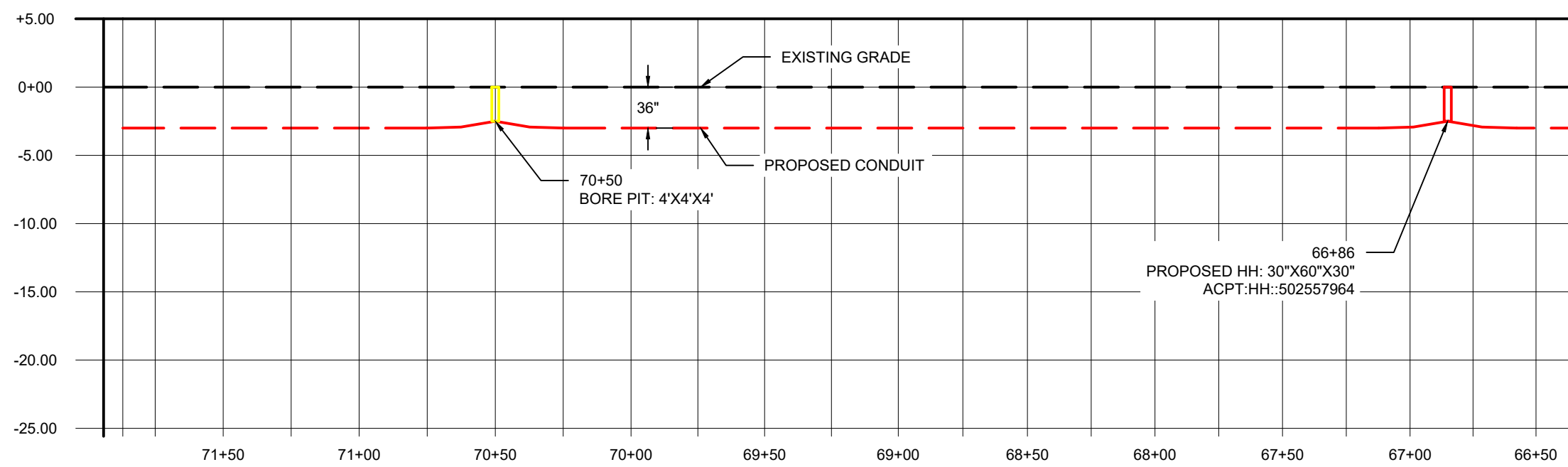
WORK ORDER:
2509CWYP



 **verizon**business
PROJECT:
DN1446_DN2000BA_11LAB_5339



MCImetro ACCESS TRANSMISSION SERVICES, LLC	OUTSIDE PLANT CONSTRUCTION TITLE: FIBER OPTIC CABLE ROUTE DENVER, CO NED PERMIT
--	--



**TOWN OF CASTLE ROCK APPROVAL
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM
DATE OF DEVELOPMENT SERVICES APPROVAL**

APPROVED BY: _____

DEVELOPMENT SERVICES *DATE*

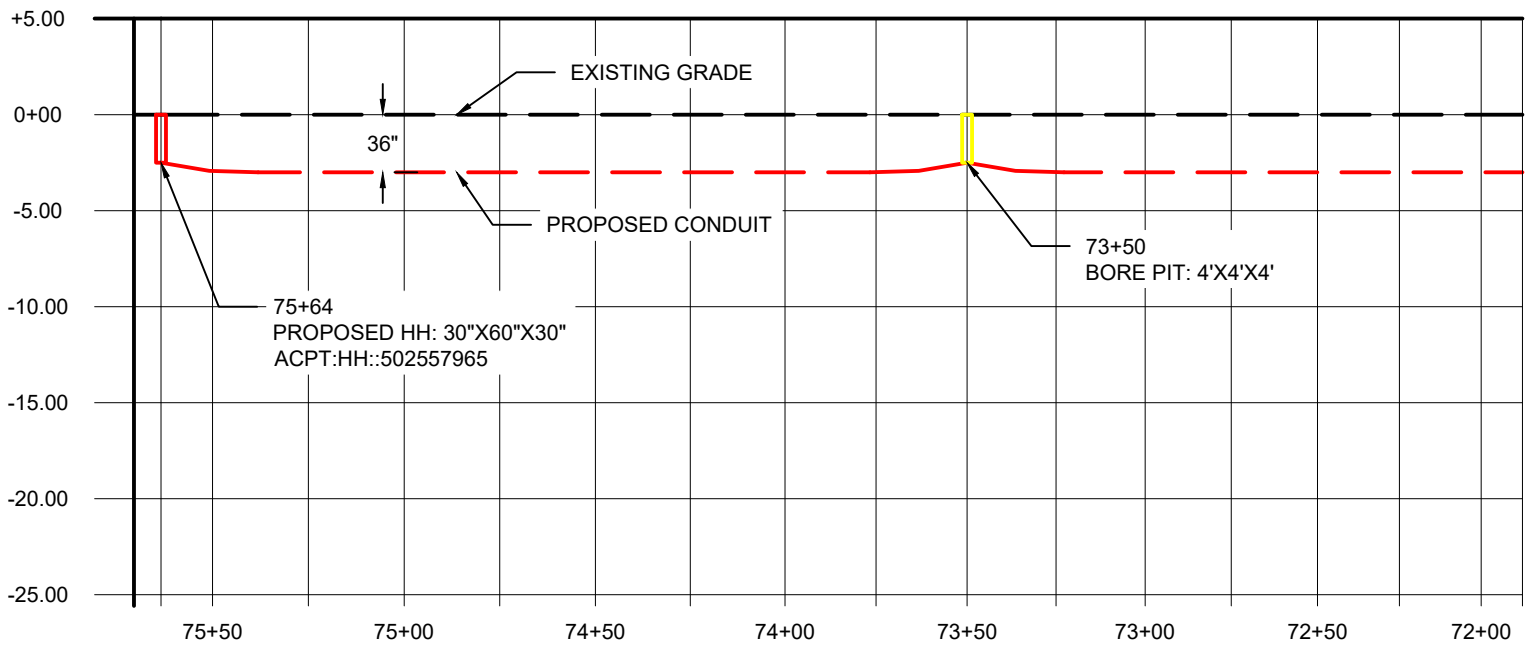
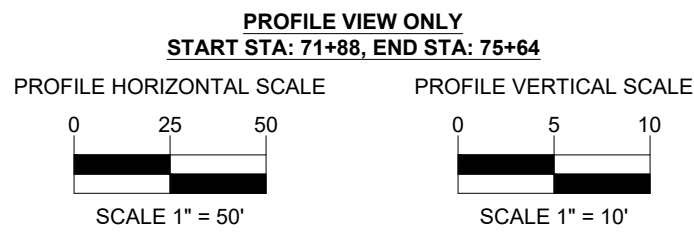
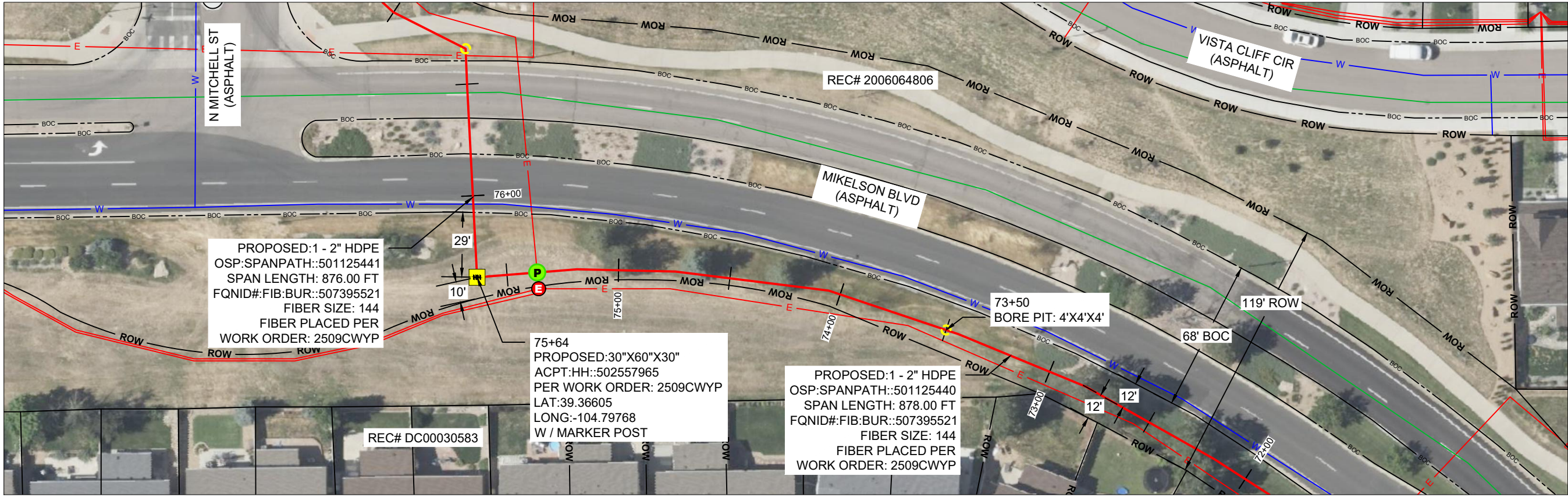
PROFESSIONAL ENGINEER CERTIFICATION

I HEREBY AFFIRM THAT THESE FINAL CONSTRUCTION PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION, IN ACCORDANCE WITH ALL APPLICABLE TOWN OF CASTLE ROCK AND STATE OF COLORADO STANDARDS AND STATUTES, RESPECTIVELY, AND THAT I AM FULLY RESPONSIBLE FOR ALL DESIGN AND REVISION RELATIVE TO SAID PLANS.

DATE



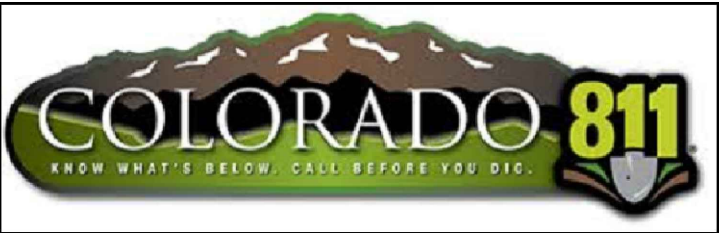
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SHEET NO:	C-111
PAGE NO:	27 OF 36
WORK ORDER: 2509CWYP	



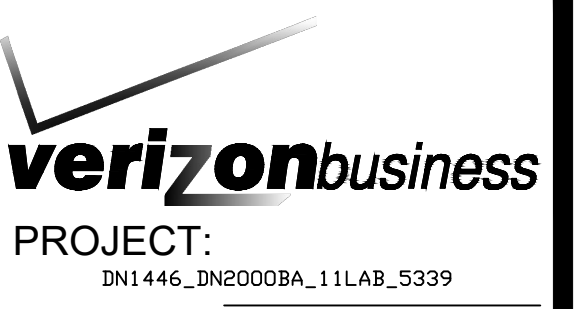
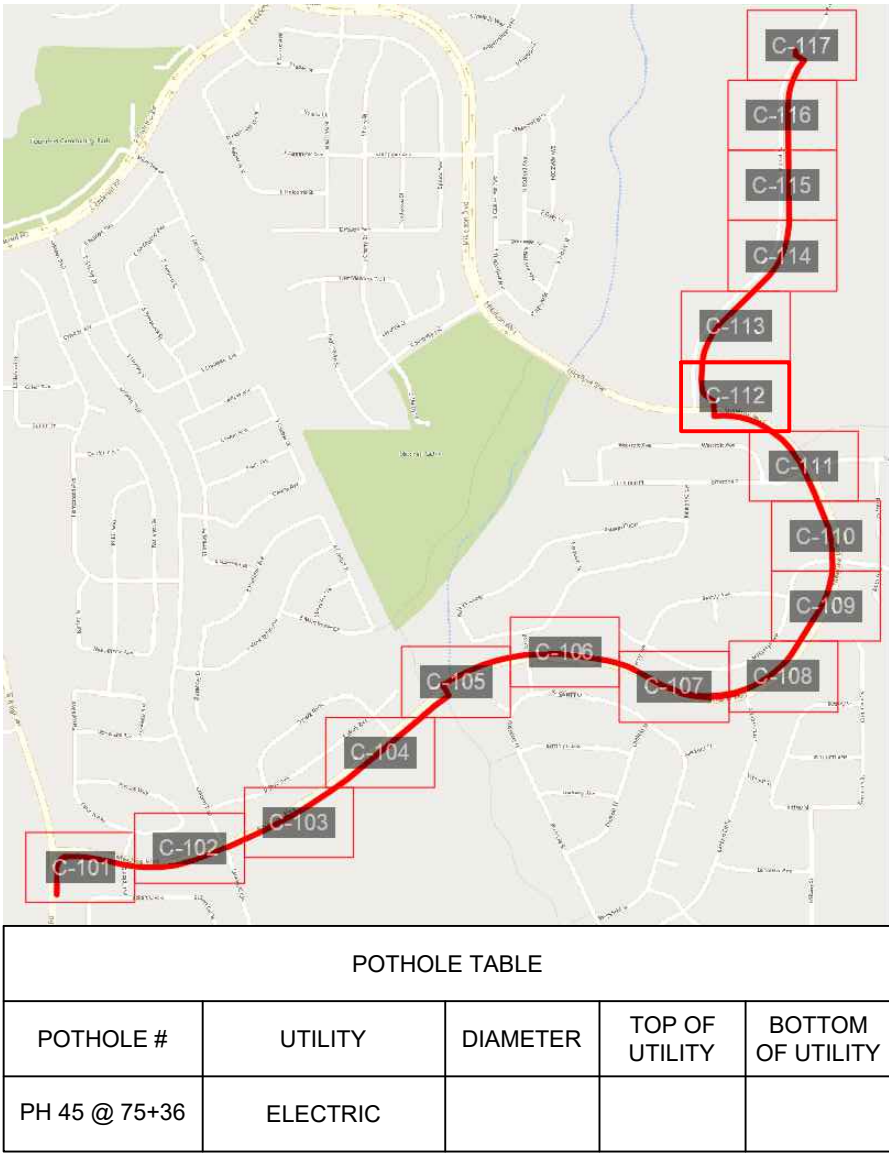
PLAN LEGEND						PROFILE LEGEND			
	PROPOSED UNDERGROUND		SEWER LINE		EASEMENT BOUNDARY		FIRE HYDRANT		EXISTING GRADE
	PROPOSED AERIAL		RECLAIMED WATER LINE		EXISTING HANDHOLE		SEWER STRUCTURE		PROPOSED GRADE
	EXISTING FIBER		COMMUNICATIONS LINE		PROPOSED HANDHOLE		DRAINAGE STRUCTURE		EXISTING CONDUIT
	OVER LASHING AERIAL		ELECTRICAL LINE		EXISTING MANHOLE		COMMUNICATIONS STRUCTURE		PROPOSED CONDUIT
	WATER LINE		RIGHT OF WAY		SPLICE POINT		GAS STRUCTURE		EXISTING HANDHOLE / MANHOLE
	STORM DRAIN LINE		EDGE OF PAVEMENT		POTHOLE		ELECTRICAL STRUCTURE		PROPOSED HANDHOLE
	GAS LINE		BOUNDARY LINE		WATER STRUCTURE				BORE PIT

SLACK LOOP STANDARDS PER FIBER SIZE: 864- 75', 432 - 75' ,ALL OTHER FIBER SIZES- 100', ALL AERIAL SLACK LOOPS TO BE 150' AT EVERY 1500' BORES TO BE AT 36" DEPTH TYPICAL, 48" DEPTH AT DOT CROSSINGS IF BORING UNDER TREES IN ROW BORE TO BE DEPTH OF 7' TO AVOID ROOTS

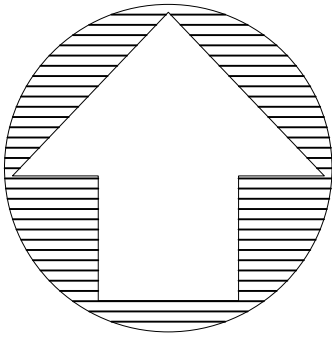
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NED
DENVER, CO



MCImetro
ACCESS TRANSMISSION SERVICES, LLC
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC CABLE ROUTE
DENVER, CO NED PERMIT

DATE: 3/2/26

ENGINEER: ADB

DRAWN BY: TAZN

REVISIONS

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SCALE

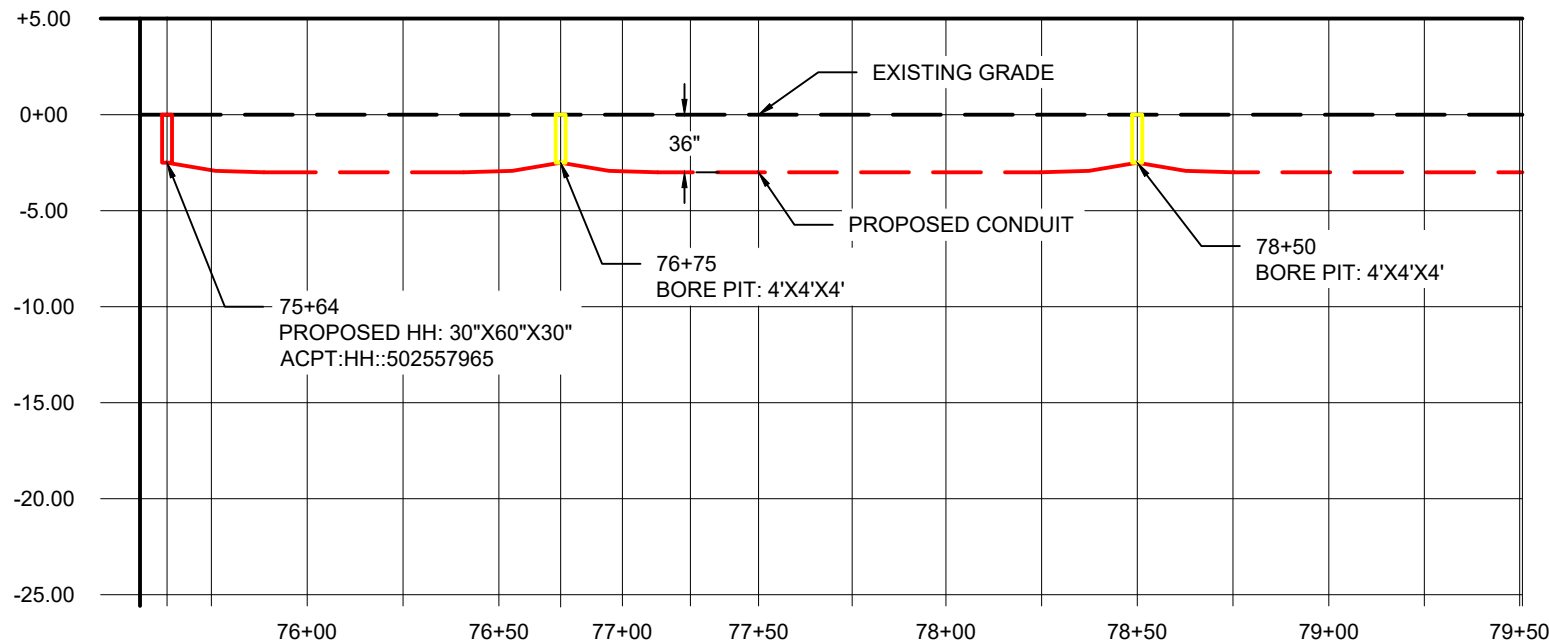
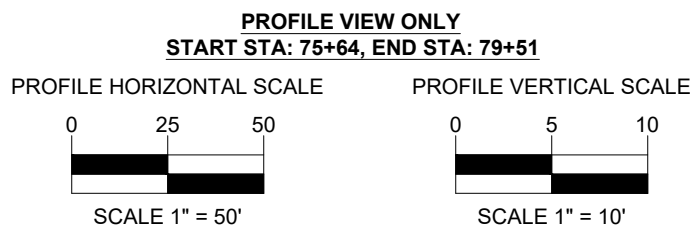
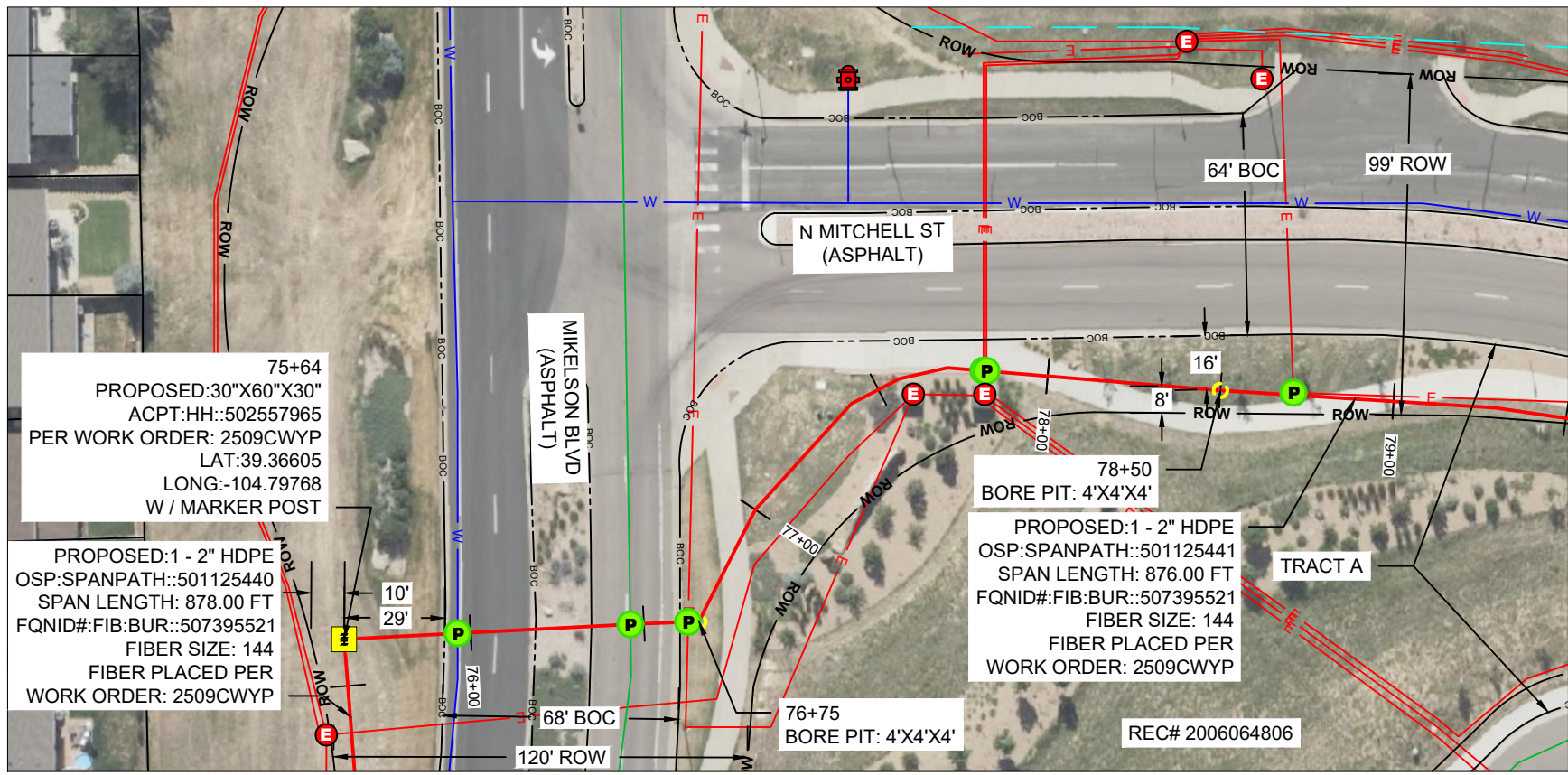
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SHEET NO: C-112.1

PAGE NO: 28 OF 36

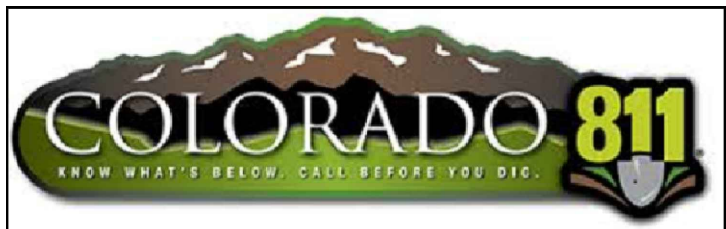
WORK ORDER:
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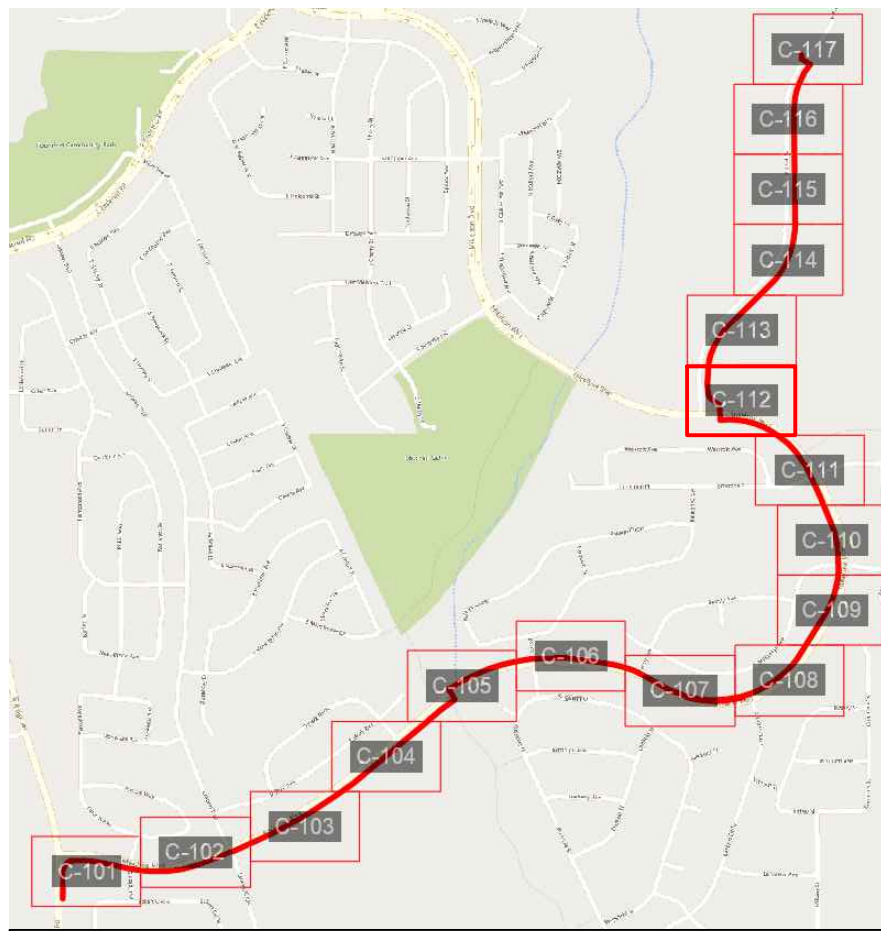
PLAN LEGEND						PROFILE LEGEND			
	PROPOSED UNDERGROUND		SEWER LINE		EASEMENT BOUNDARY		FIRE HYDRANT		EXISTING GRADE
	PROPOSED AERIAL		RECLAIMED WATER LINE		EXISTING HANDHOLE		SEWER STRUCTURE		PROPOSED GRADE
	EXISTING FIBER		COMMUNICATIONS LINE		PROPOSED HANDHOLE		DRAINAGE STRUCTURE		EXISTING CONDUIT
	OVER LASHING AERIAL		ELECTRICAL LINE		EXISTING MANHOLE		COMMUNICATIONS STRUCTURE		PROPOSED CONDUIT
	WATER LINE		RIGHT OF WAY		SPLICE POINT		GAS STRUCTURE		EXISTING HANDHOLE / MANHOLE
	STORM DRAIN LINE		EDGE OF PAVEMENT		POTHOLE		ELECTRICAL STRUCTURE		PROPOSED HANDHOLE
	GAS LINE		BOUNDARY LINE		WATER STRUCTURE				BORE PIT

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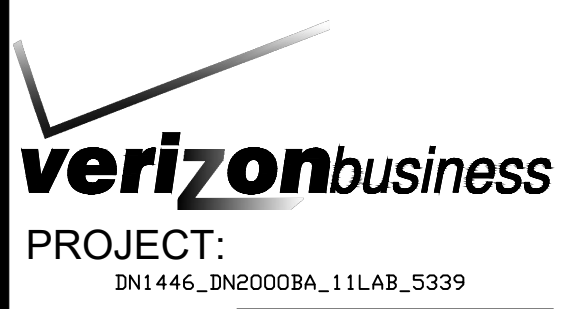
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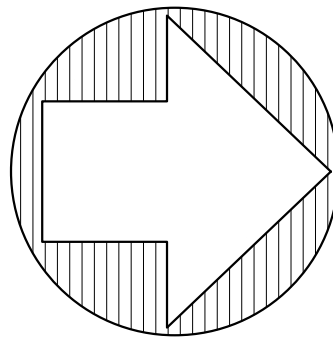
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POTHOLE TABLE				
POTHOLE #	UTILITY	DIAMETER	TOP OF UTILITY	BOTTOM OF UTILITY
PH 46 @ 75+96	WATER			
PH 47 @ 76+46	SANITARY			
PH 48 @ 76+64	ELECTRIC			
PH 49 @ 77+81	ELECTRIC			
PH 50 @ 77+82	ELECTRIC			
PH 51 @ 78+71	ELECTRIC			



NED
DENVER, CO



McImetro
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

DENVER, CO NED PERMIT

DATE: 3/2/26

ENGINEER: ADB

DRAWN BY: TAZN

REVISIONS

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SCALE

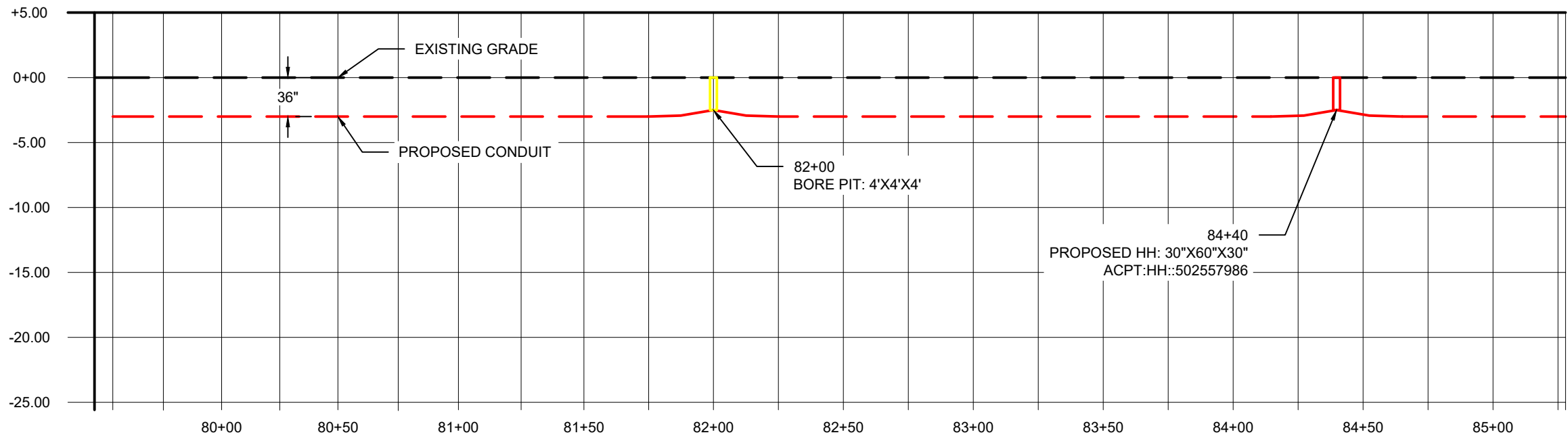
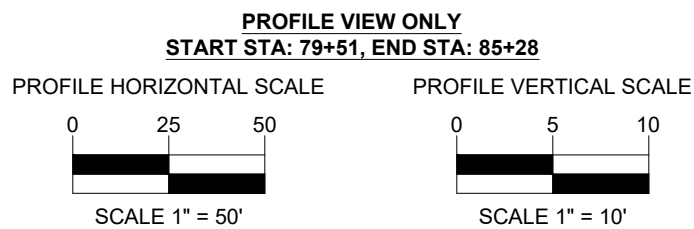
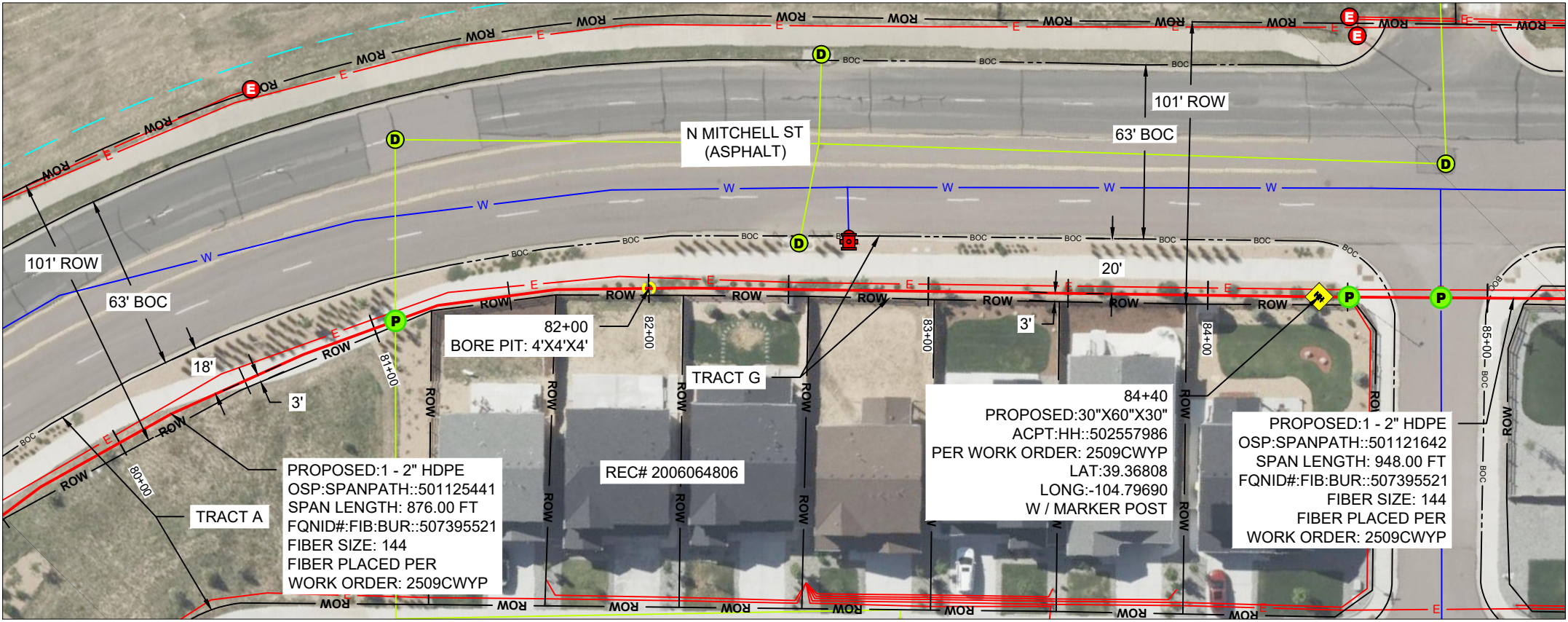
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SHEET NO: C-112.2

PAGE NO: 29 OF 36

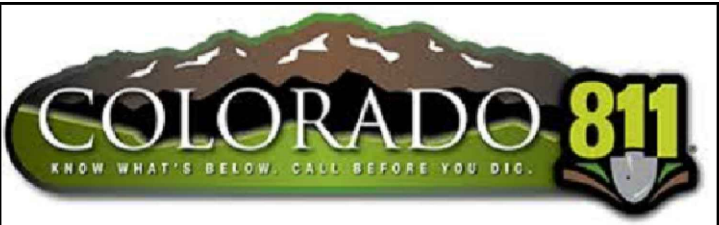
WORK ORDER:
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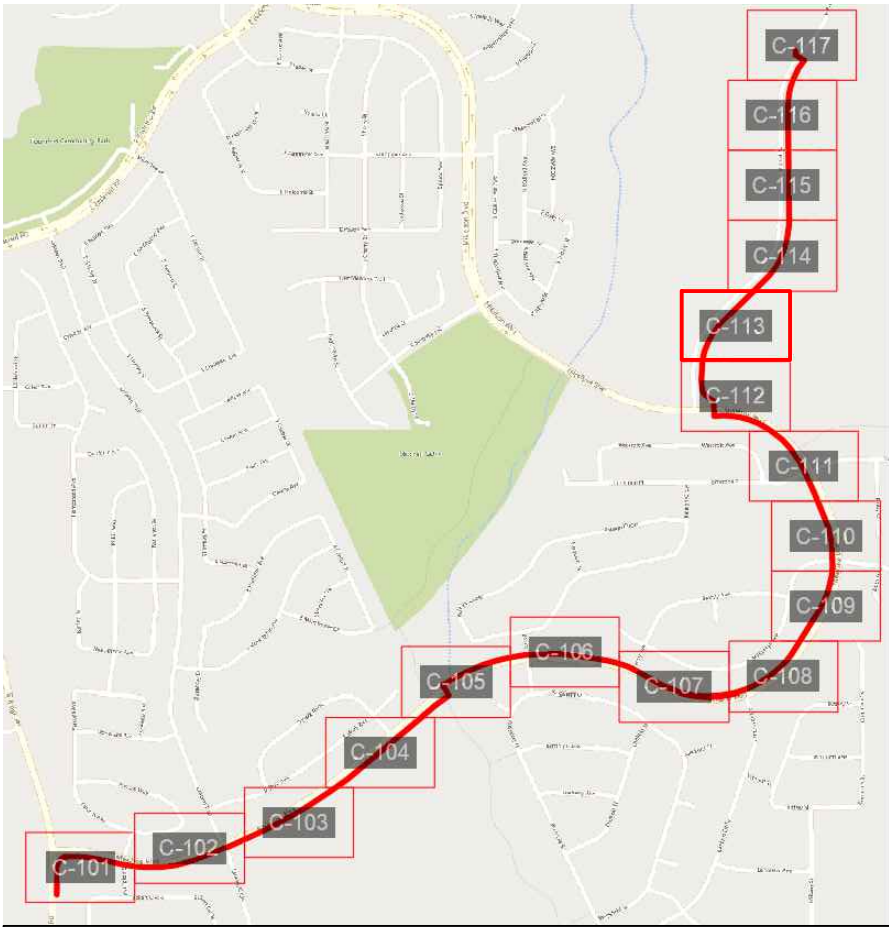
PLAN LEGEND						PROFILE LEGEND			
	PROPOSED UNDERGROUND		SEWER LINE		EASEMENT BOUNDARY		EXISTING GRADE		PROPOSED GRADE
	PROPOSED AERIAL		RECLAIMED WATER LINE		EXISTING HANDHOLE		PROPOSED GRADE		EXISTING CONDUIT
	EXISTING FIBER		COMMUNICATIONS LINE		PROPOSED HANDHOLE		EXISTING CONDUIT		PROPOSED CONDUIT
	OVER LASHING AERIAL		ELECTRICAL LINE		EXISTING MANHOLE		EXISTING CONDUIT		PROPOSED CONDUIT
	WATER LINE		RIGHT OF WAY		SPLICE POINT		EXISTING HANDHOLE / MANHOLE		EXISTING HANDHOLE / MANHOLE
	STORM DRAIN LINE		EDGE OF PAVEMENT		POTHOLE		PROPOSED HANDHOLE		PROPOSED HANDHOLE
	GAS LINE		BOUNDARY LINE		WATER STRUCTURE		BORE PIT		BORE PIT

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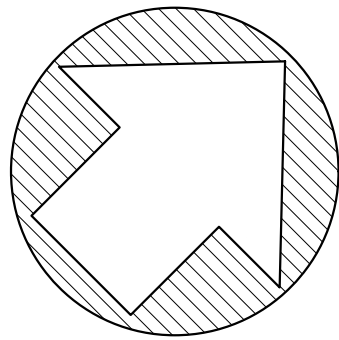
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POTHOLE TABLE				
POTHOLE #	UTILITY	DIAMETER	TOP OF UTILITY	BOTTOM OF UTILITY
PH 52 @ 81+08	STORM			
PH 53 @ 84+51	ELECTRIC			
PH 54 @ 84+83	WATER			

verizonbusiness
PROJECT:
DN1446_DN2000BA_11LAB_5339

NED
DENVER, CO



McImetro
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

DENVER, CO NED PERMIT

DATE: 3/2/26

ENGINEER: ADB

DRAWN BY: TAZN

REVISIONS

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SCALE

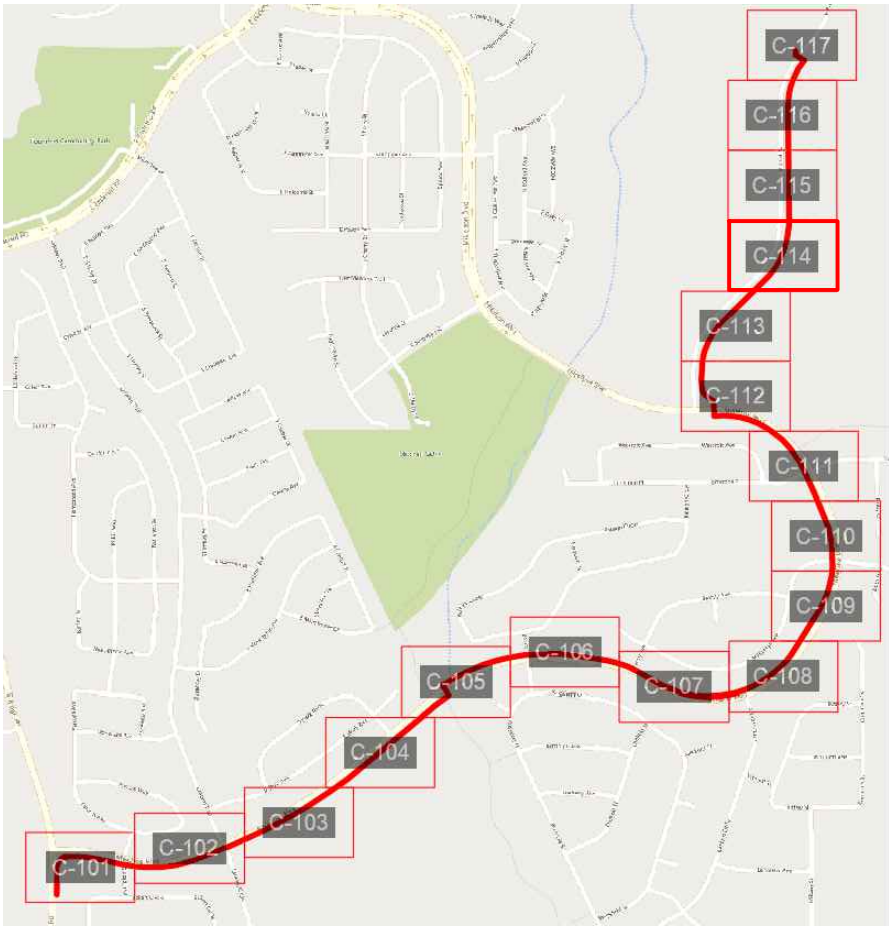
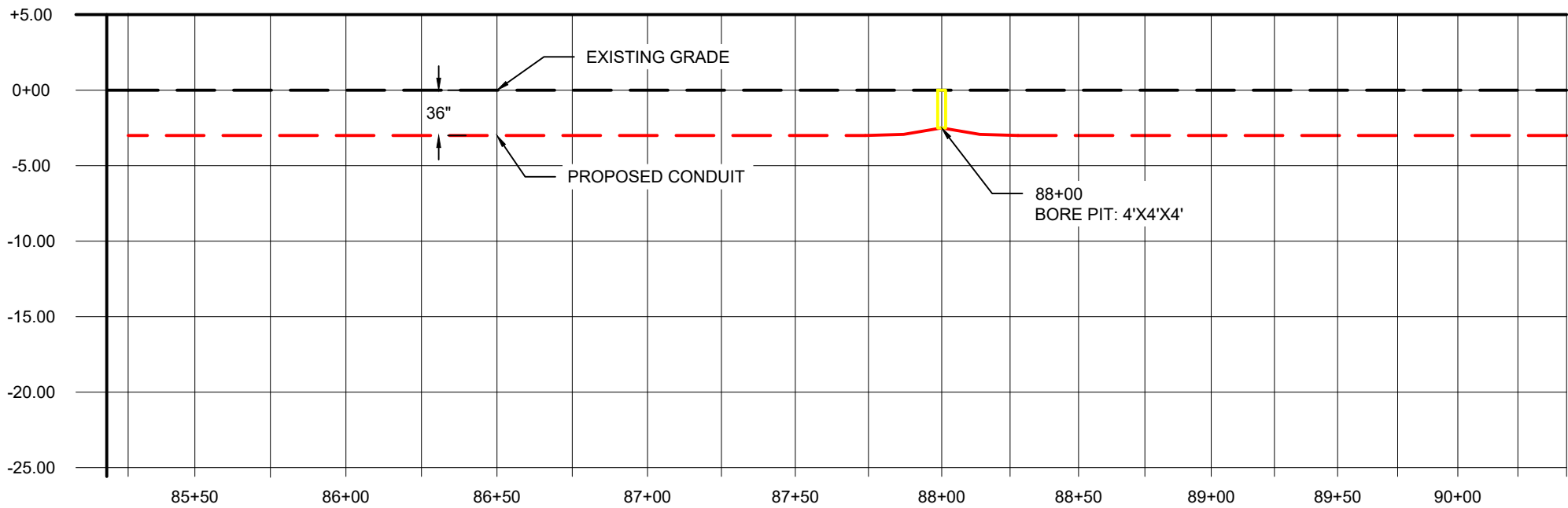
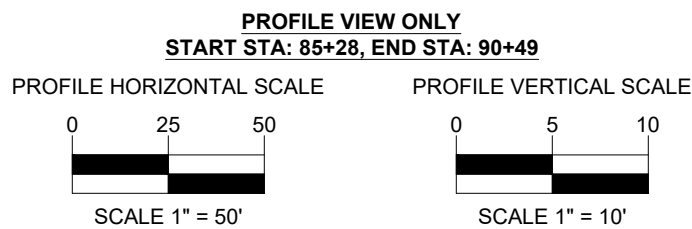
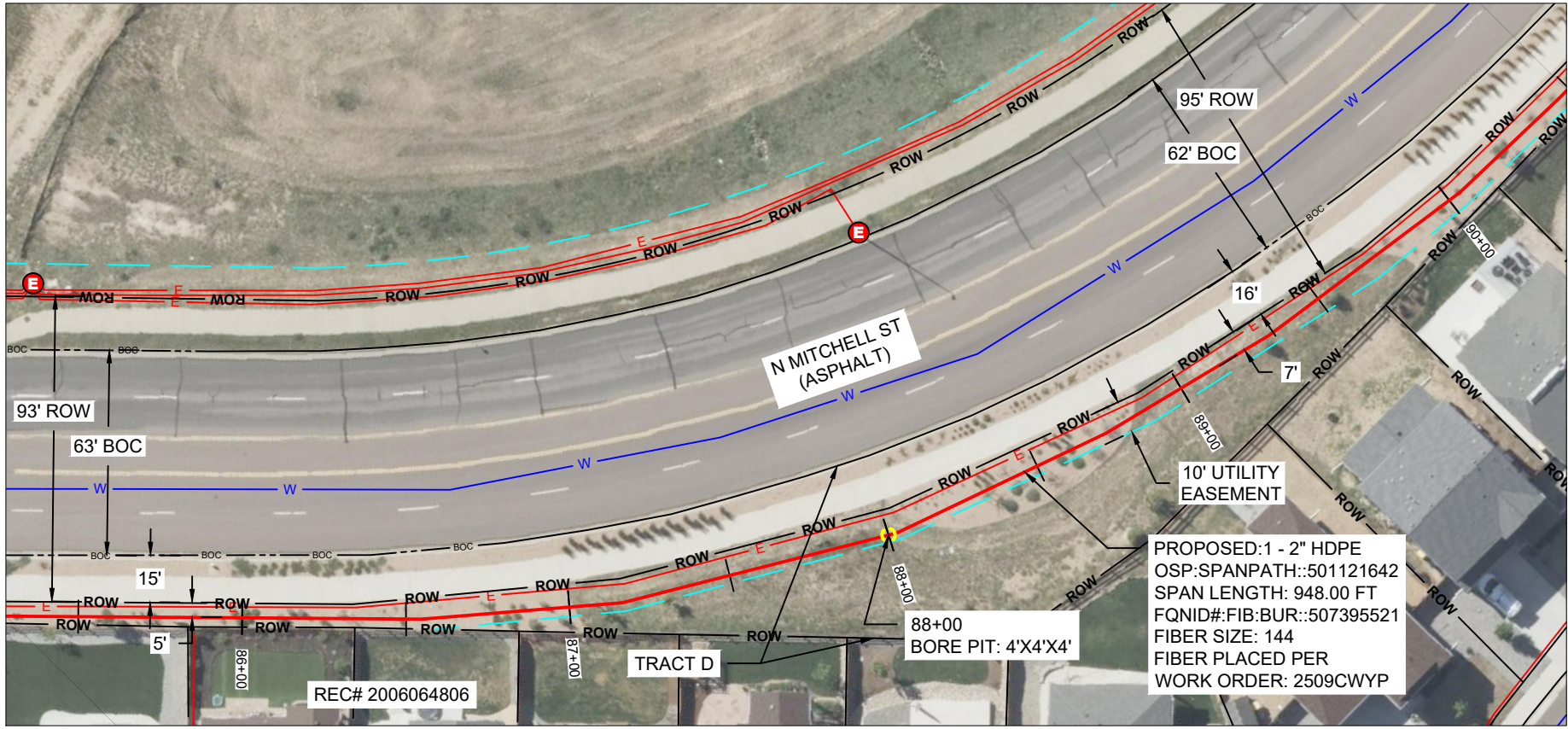
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VERTICAL: 1: 50

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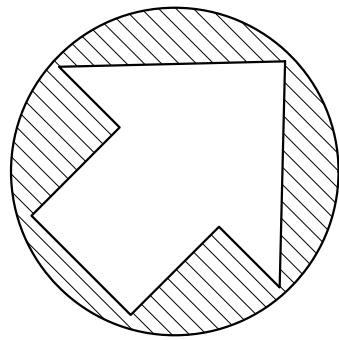
PAGE NO: 30 OF 36

WORK ORDER:
2509CWYP



verizonbusiness
PROJECT:
DN1446_DN2000BA_11LAB_5339

NED
DENVER, CO



MCImetro
ACCESS TRANSMISSION SERVICES, LLC
OUTSIDE PLANT CONSTRUCTION
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SCALE

HORIZONTAL: 1" = 50'

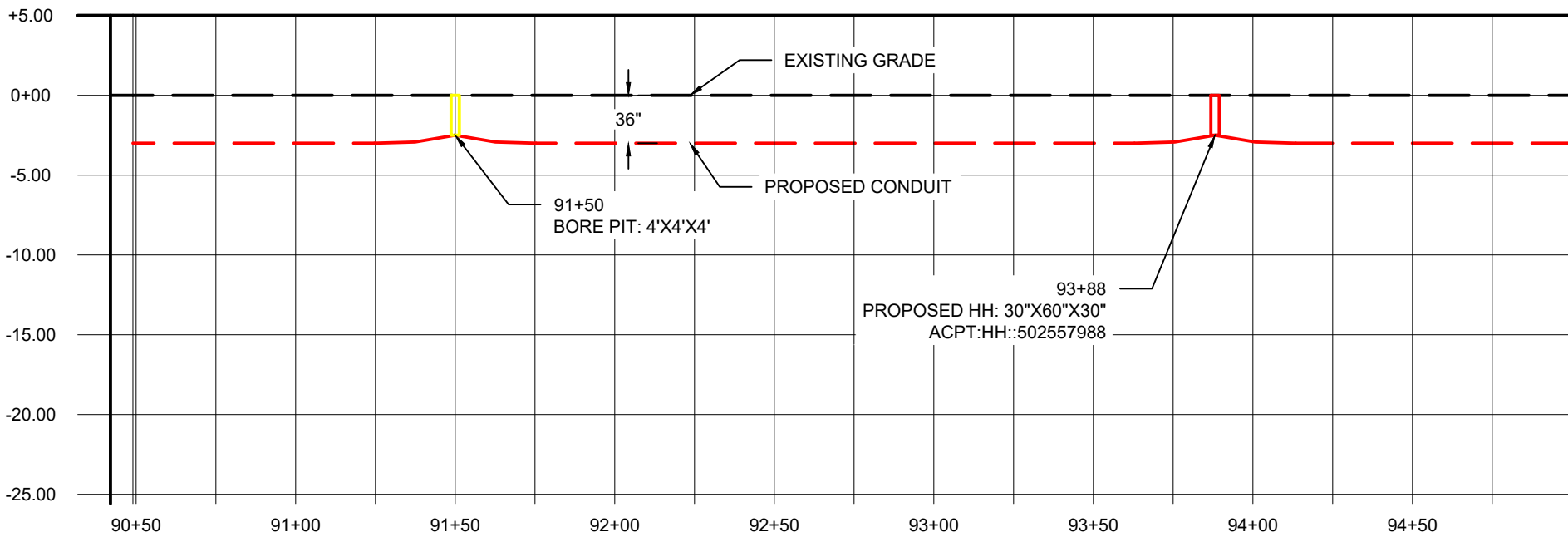
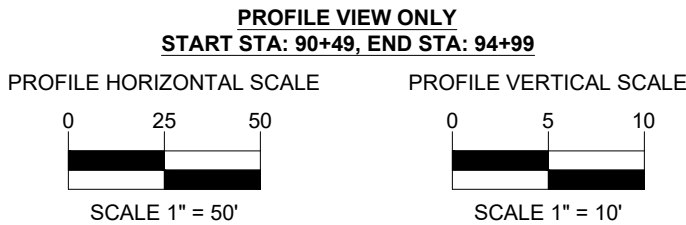
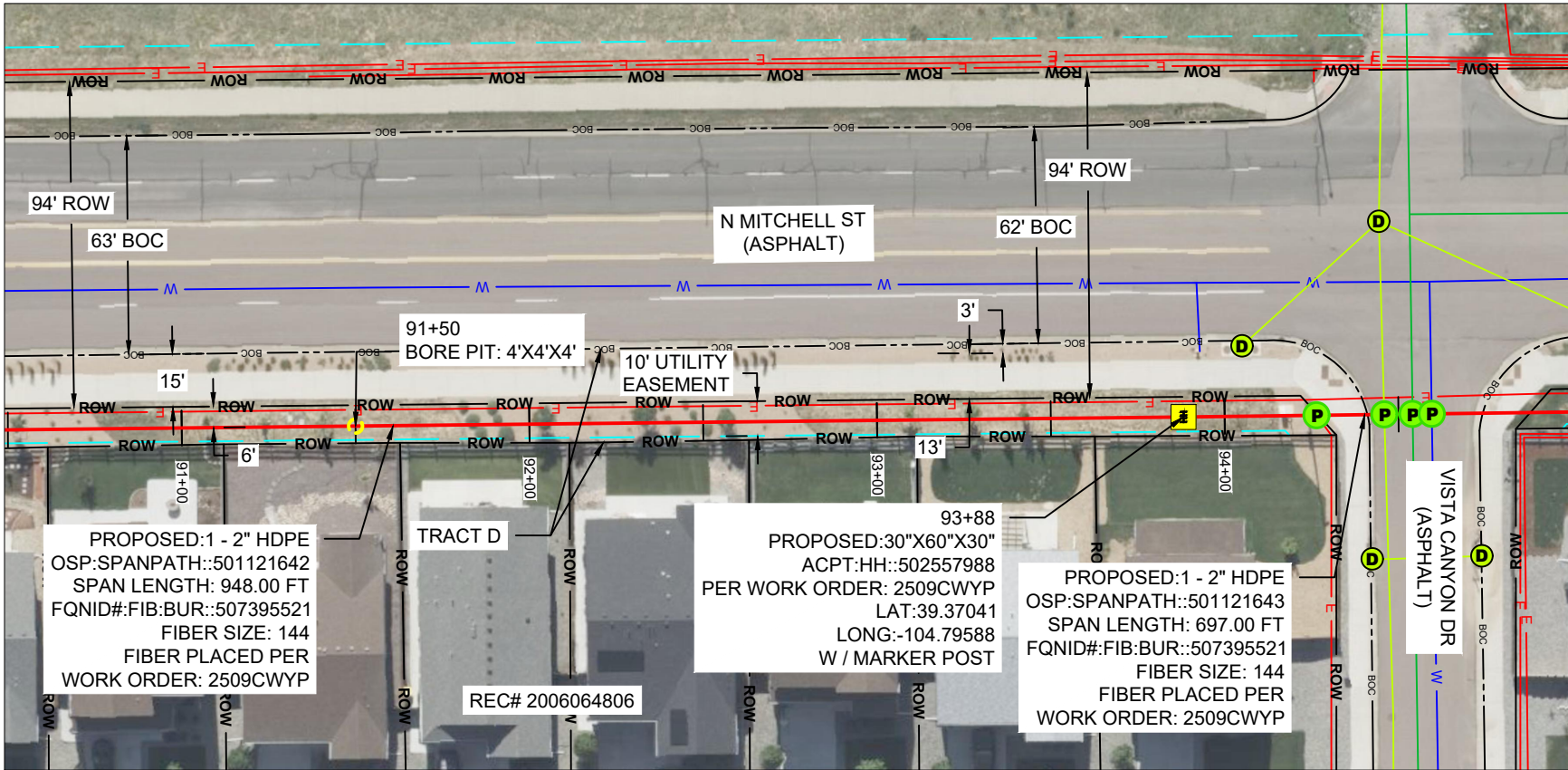
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SHEET NO: C-114

PAGE NO: 31 OF 36

WORK ORDER:
2509CWYP

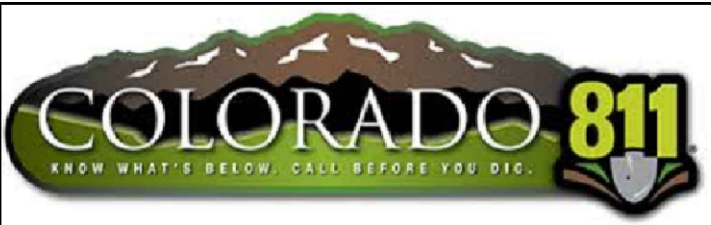
PLAN LEGEND								PROFILE LEGEND	
	UG	PROPOSED UNDERGROUND		SS	SEWER LINE				EXISTING GRADE
	AE	PROPOSED AERIAL		R	RECLAIMED WATER LINE				PROPOSED GRADE
	EX	EXISTING FIBER		C	COMMUNICATIONS LINE				EXISTING CONDUIT
	OA	OVER LASHING AERIAL		E	ELECTRICAL LINE				PROPOSED CONDUIT
	W	WATER LINE		ROW	RIGHT OF WAY				EXISTING HANDHOLE / MANHOLE
	DR	STORM DRAIN LINE		EOP	EDGE OF PAVEMENT				PROPOSED HANDHOLE
	NG	GAS LINE			BOUNDARY LINE				BORE PIT



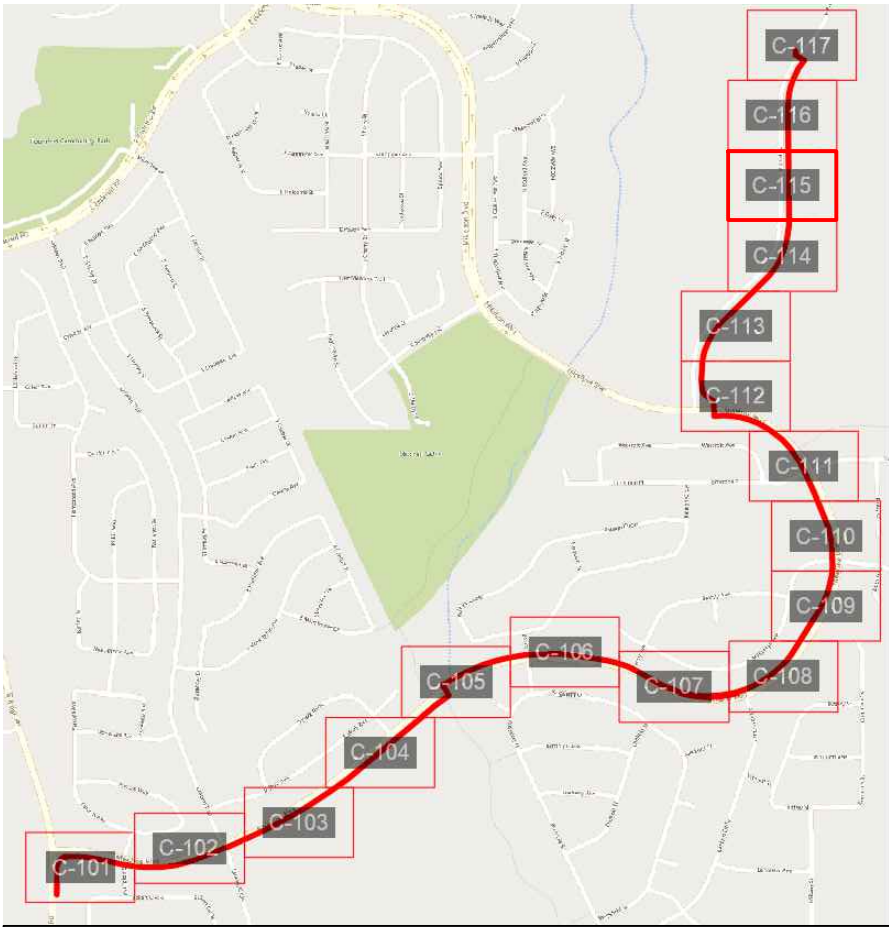
PLAN LEGEND						PROFILE LEGEND			
	PROPOSED UNDERGROUND		SEWER LINE		EASEMENT BOUNDARY		FIRE HYDRANT		EXISTING GRADE
	PROPOSED AERIAL		RECLAIMED WATER LINE		EXISTING HANDHOLE		SEWER STRUCTURE		PROPOSED GRADE
	EXISTING FIBER		COMMUNICATIONS LINE		PROPOSED HANDHOLE		DRAINAGE STRUCTURE		EXISTING CONDUIT
	OVER LASHING AERIAL		ELECTRICAL LINE		EXISTING MANHOLE		COMMUNICATIONS STRUCTURE		PROPOSED CONDUIT
	WATER LINE		RIGHT OF WAY		SPLICE POINT		GAS STRUCTURE		EXISTING HANDHOLE / MANHOLE
	STORM DRAIN LINE		EDGE OF PAVEMENT		POTHOLE		ELECTRICAL STRUCTURE		PROPOSED HANDHOLE
	GAS LINE		BOUNDARY LINE		WATER STRUCTURE				BORE PIT

SLACK LOOP STANDARDS PER FIBER SIZE: 864- 75', 432 - 75' ,ALL OTHER FIBER SIZES- 100', ALL AERIAL SLACK LOOPS TO BE 150' AT EVERY 1500' BORES TO BE AT 36" DEPTH TYPICAL, 48" DEPTH AT DOT CROSSINGS IF BORING UNDER TREES IN ROW BORE TO BE DEPTH OF 7' TO AVOID ROOTS

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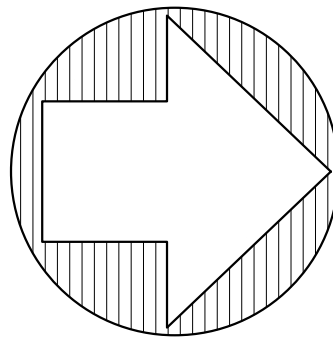
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POTHOLE TABLE				
POTHOLE #	UTILITY	DIAMETER	TOP OF UTILITY	BOTTOM OF UTILITY
PH 55 @ 94+26	ELECTRIC			
PH 56 @ 94+46	STORM			
PH 57 @ 94+54	SANITARY			
PH 58 @ 94+60	WATER			



NED
DENVER, CO



McImetro
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

DENVER, CO NED PERMIT

DATE: 3/2/26

ENGINEER: ADB

DRAWN BY: TAZN

REVISIONS

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SCALE

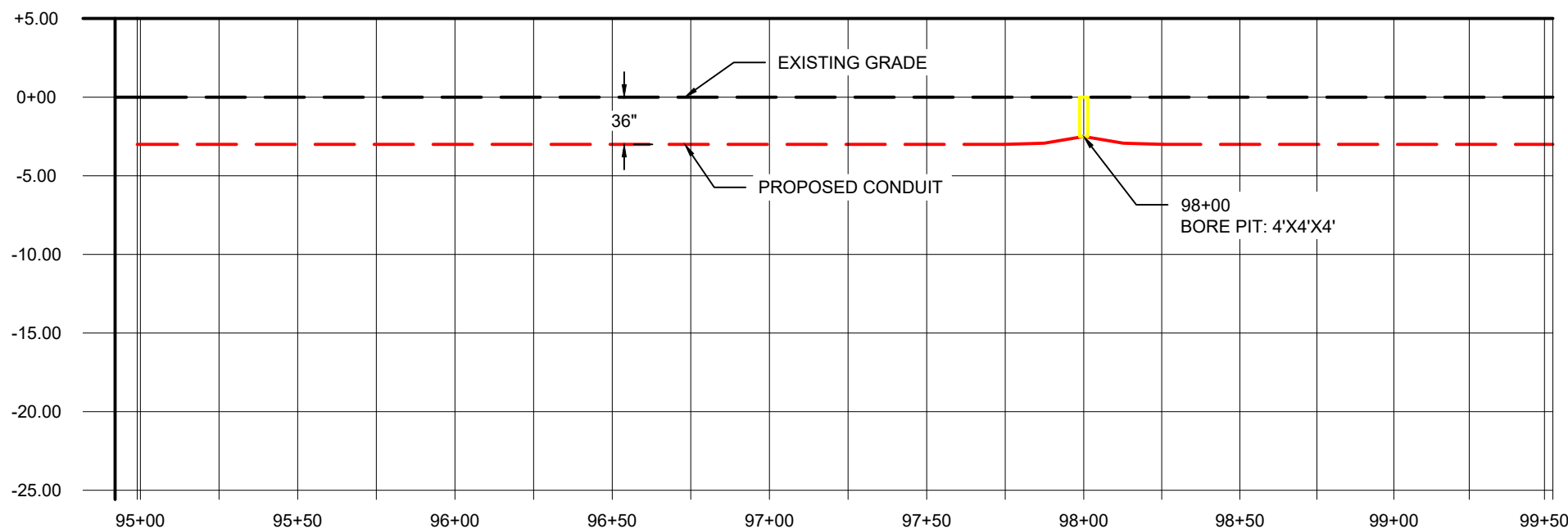
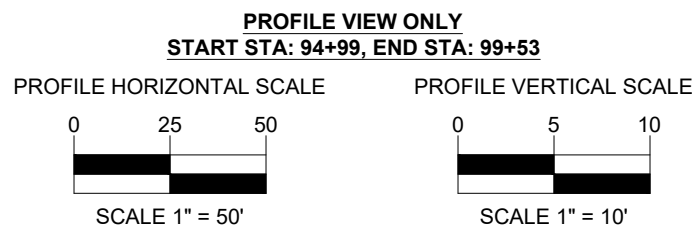
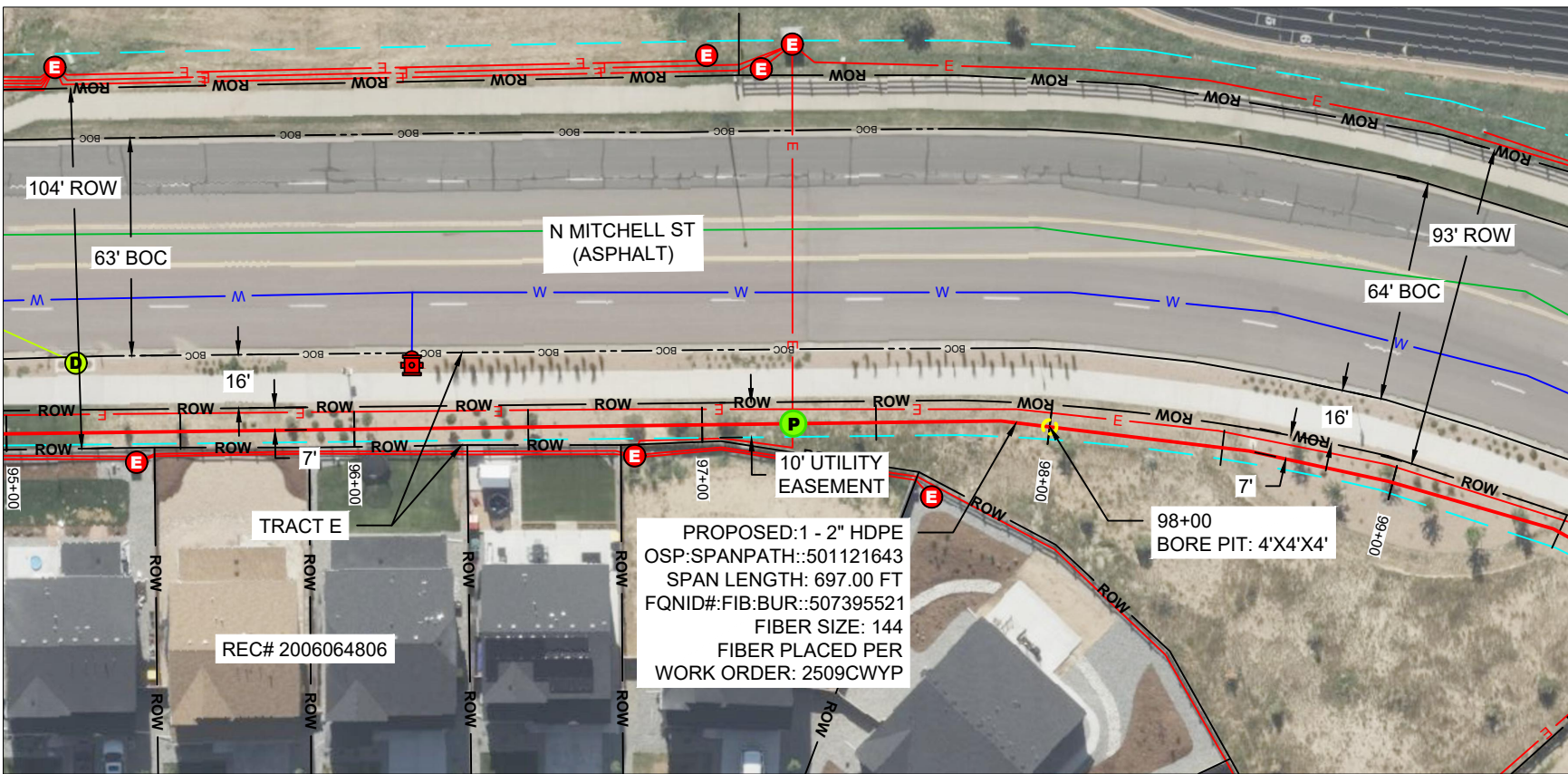
HORIZONTAL: 1" = 50'

VERTICAL: 1" = 50'

SHEET NO: C-115

PAGE NO: 32 OF 36

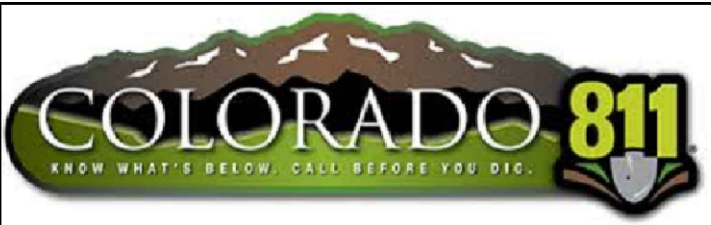
WORK ORDER:
2509CWYP



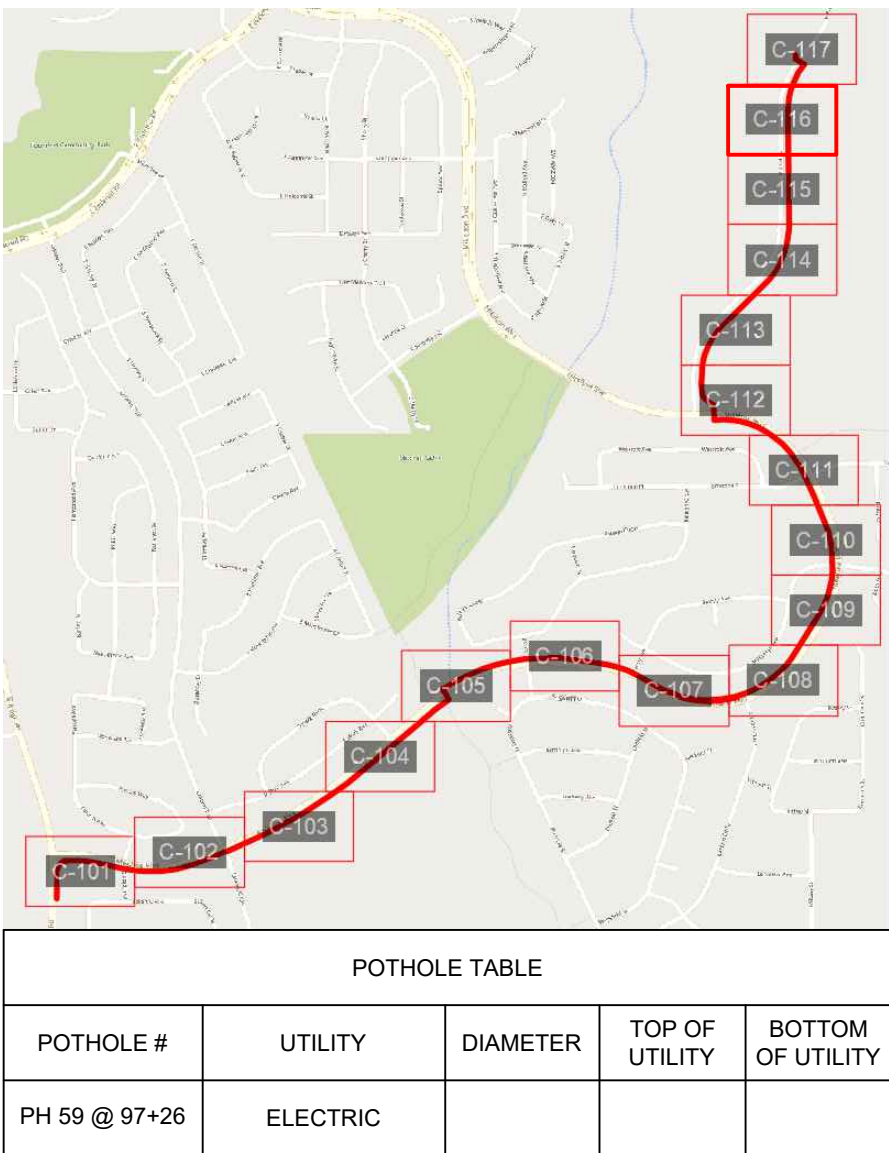
PLAN LEGEND						PROFILE LEGEND			
	PROPOSED UNDERGROUND		SEWER LINE		EASEMENT BOUNDARY		EXISTING GRADE		PROPOSED GRADE
	PROPOSED AERIAL		RECLAIMED WATER LINE		EXISTING HANDHOLE		PROPOSED GRADE		EXISTING CONDUIT
	EXISTING FIBER		COMMUNICATIONS LINE		PROPOSED MANHOLE		PROPOSED CONDUIT		PROPOSED CONDUIT
	OVER LASHING AERIAL		ELECTRICAL LINE		EXISTING MANHOLE		PROPOSED CONDUIT		PROPOSED CONDUIT
	WATER LINE		RIGHT OF WAY		SPLICE POINT		EXISTING HANDHOLE / MANHOLE		PROPOSED HANDHOLE
	STORM DRAIN LINE		EDGE OF PAVEMENT		POTHOLE		EXISTING HANDHOLE / MANHOLE		PROPOSED HANDHOLE
	GAS LINE		BOUNDARY LINE		WATER STRUCTURE		BORE PIT		PROPOSED HANDHOLE

SLACK LOOP STANDARDS PER FIBER SIZE: 864- 75', 432 - 75' ,ALL OTHER FIBER SIZES- 100', ALL AERIAL SLACK LOOPS TO BE 150' AT EVERY 1500' BORES TO BE AT 36" DEPTH TYPICAL, 48" DEPTH AT DOT CROSSINGS IF BORING UNDER TREES IN ROW BORE TO BE DEPTH OF 7' TO AVOID ROOTS

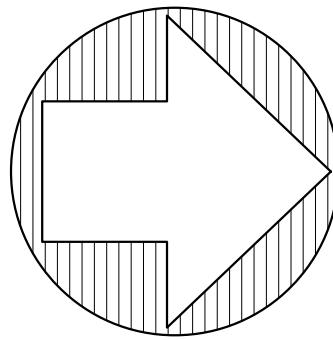
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NED
DENVER, CO



McMetro
ACCESS TRANSMISSION SERVICES, LLC
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC CABLE ROUTE
DENVER, CO NED PERMIT

DATE: 3/2/26

ENGINEER: ADB

DRAWN BY: TAZN

REVISIONS

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SCALE

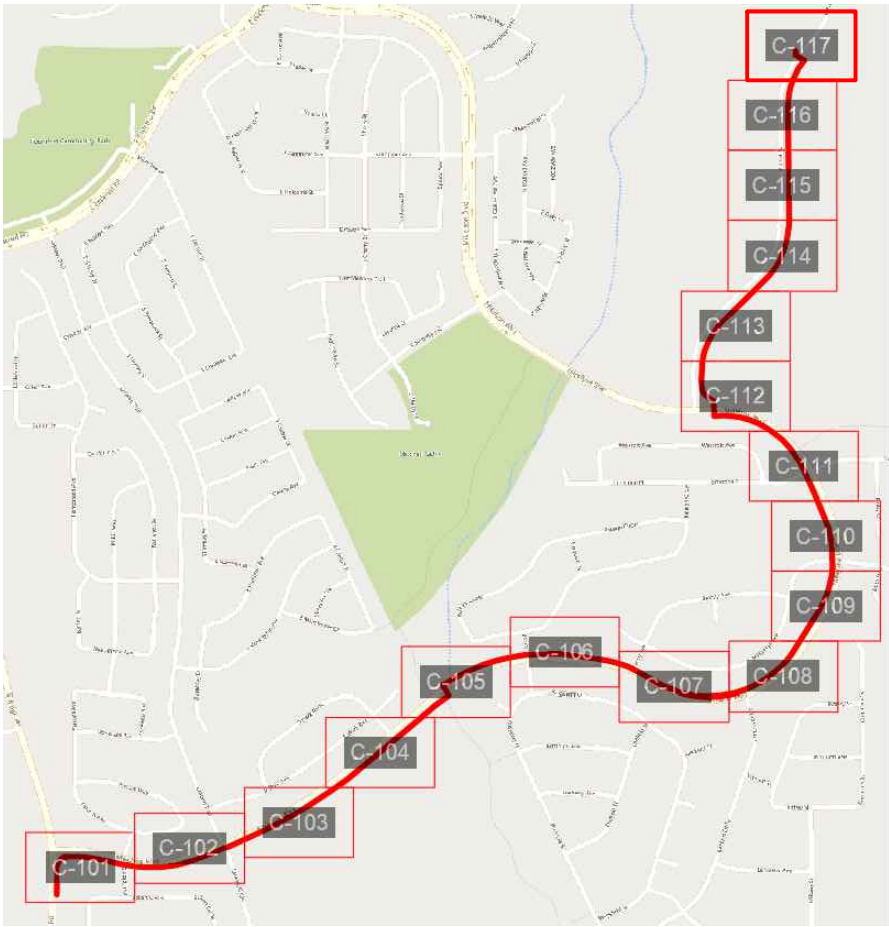
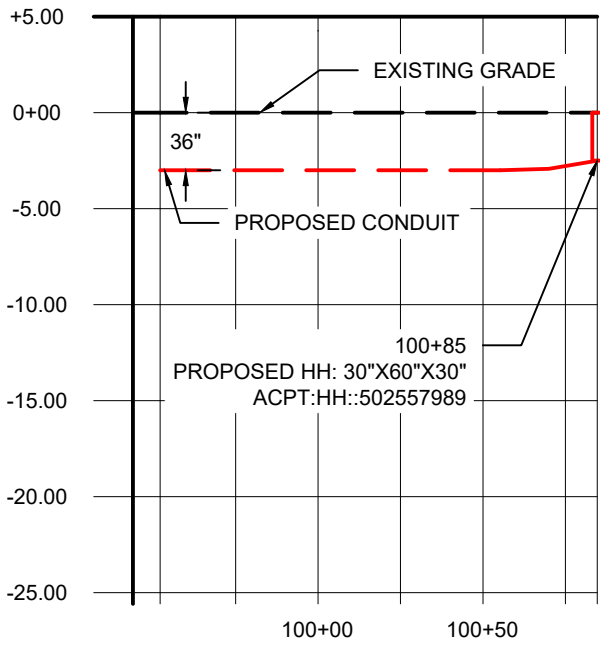
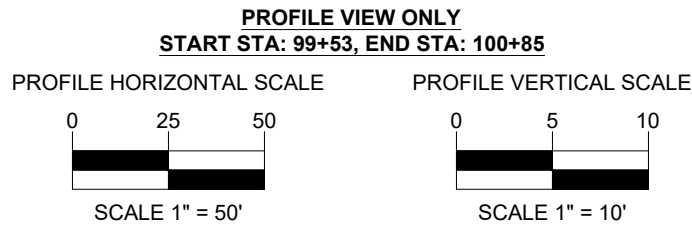
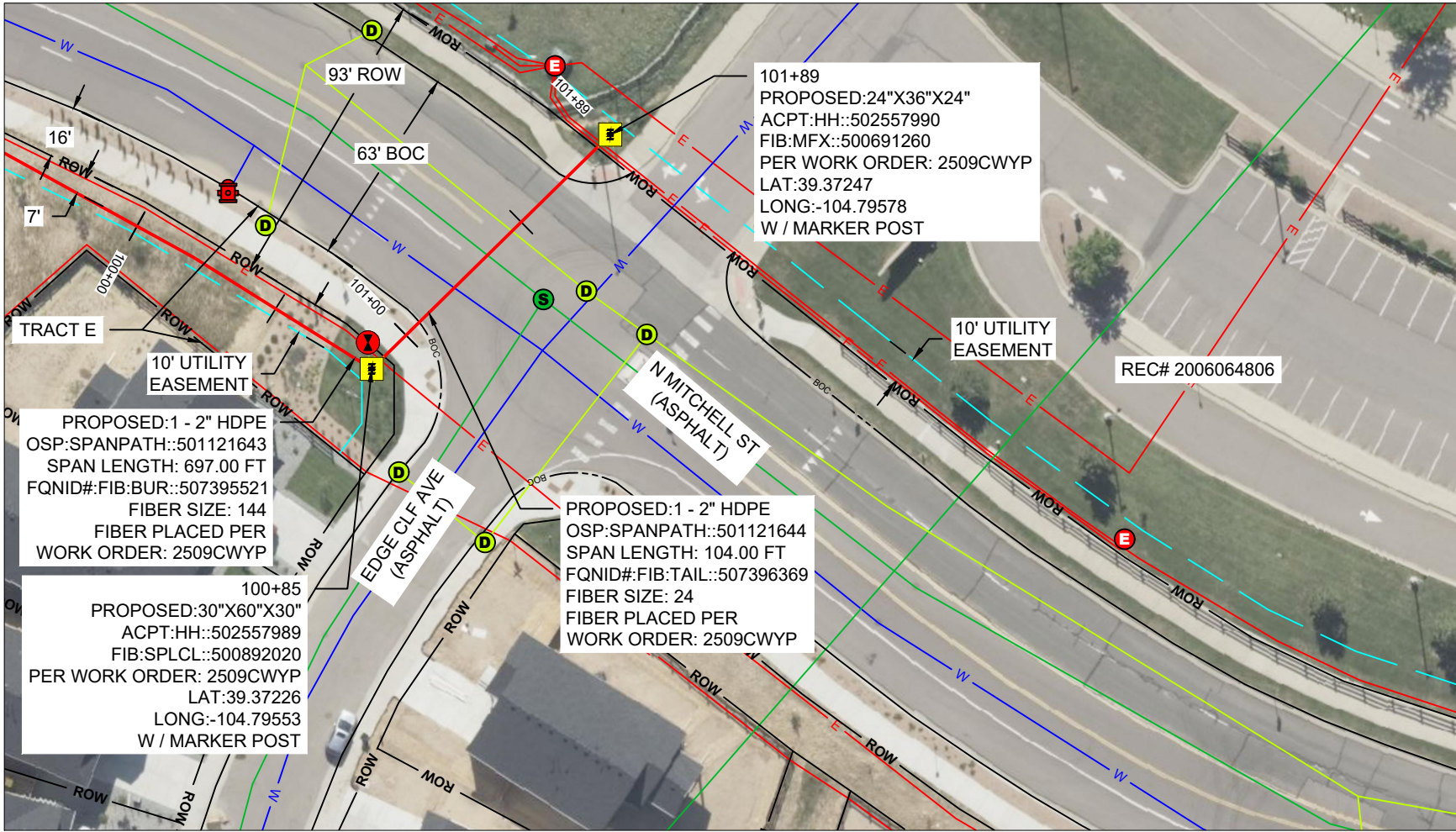
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VERTICAL: 1: 50

SHEET NO: C-116

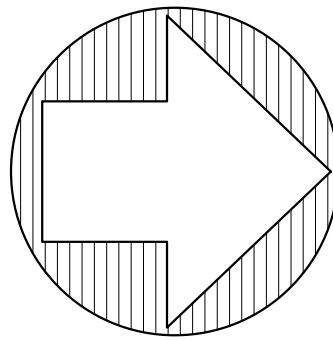
PAGE NO: 33 OF 36

WORK ORDER:
2509CWYP



verizonbusiness
PROJECT:
DN1446_DN2000BA_11LAB_5339

NED
DENVER, CO



McImetro
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

DENVER, CO NED PERMIT

DATE: 3/2/26

ENGINEER: ADB

DRAWN BY: TAZN

REVISIONS

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SCALE

HORIZONTAL: 1" = 50'

VERTICAL: 1" = 50'

SHEET NO: C-117.1

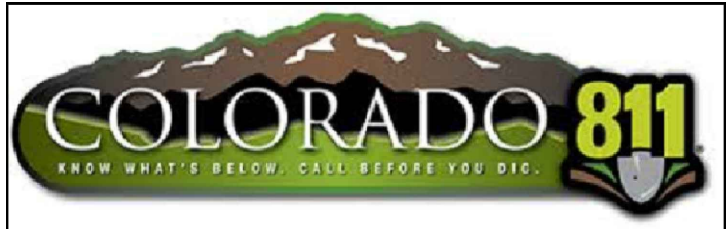
PAGE NO: 34 OF 36

WORK ORDER:
2509CWYP

PLAN LEGEND						PROFILE LEGEND			
	PROPOSED UNDERGROUND		SEWER LINE		EASEMENT BOUNDARY		FIRE HYDRANT		EXISTING GRADE
	PROPOSED AERIAL		RECLAIMED WATER LINE		EXISTING HANDHOLE		SEWER STRUCTUE		PROPOSED GRADE
	EXISTING FIBER		COMMUNICATIONS LINE		PROPOSED HANDHOLE		DRAINAGE STRUCTURE		EXISTING CONDUIT
	OVER LASHING AERIAL		ELECTRICAL LINE		EXISTING MANHOLE		COMMUNICATIONS STRUCTURE		PROPOSED CONDUIT
	WATER LINE		RIGHT OF WAY		SPLICE POINT		GAS STRUCTURE		EXISTING HANDHOLE / MANHOLE
	STORM DRAIN LINE		EDGE OF PAVEMENT		POTHOLE		ELECTRICAL STRUCTURE		PROPOSED HANDHOLE
	GAS LINE		BOUNDARY LINE		WATER STRUCTURE				BORE PIT

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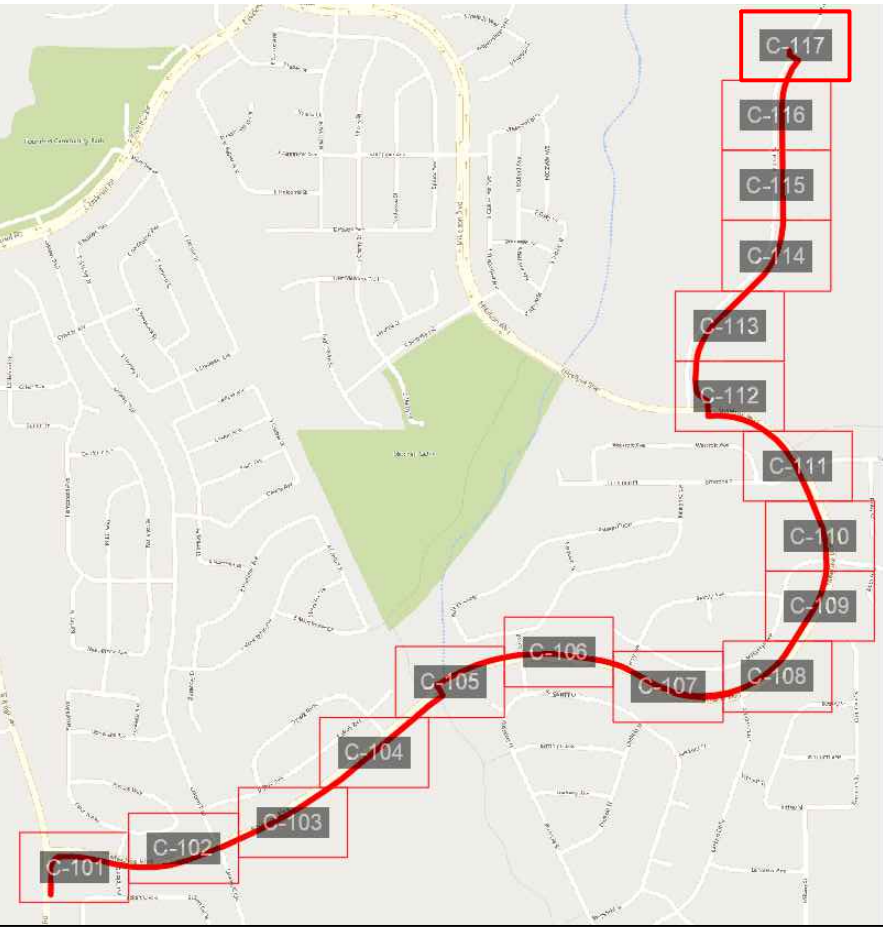
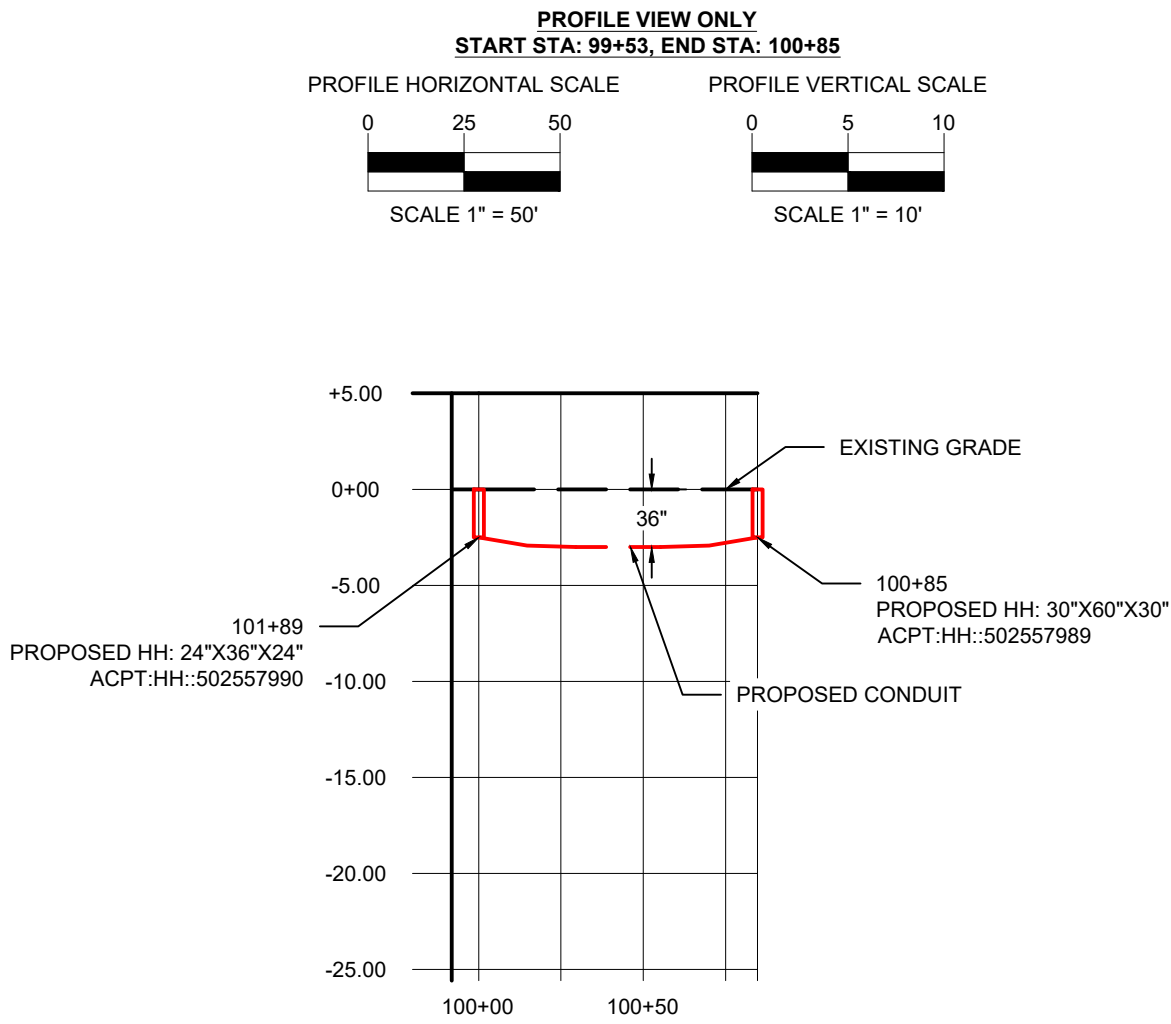
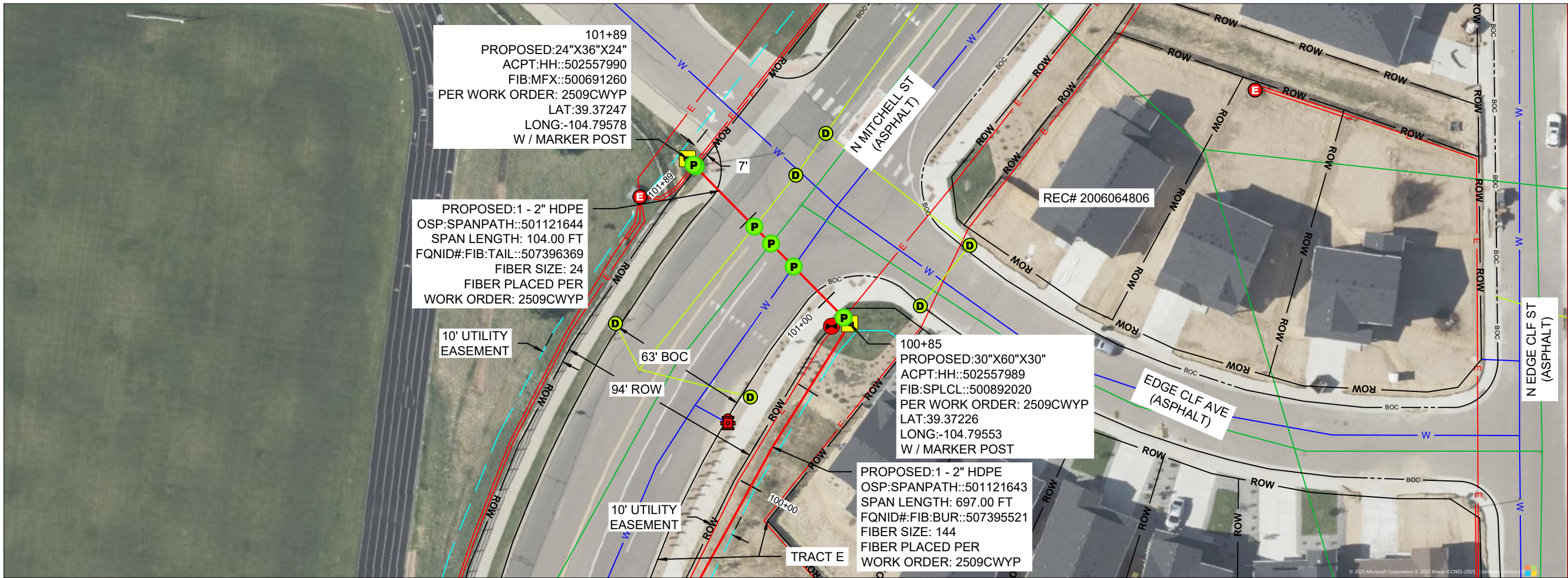
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TOWN OF CASTLE ROCK APPROVAL PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL	
APPROVED BY:	DATE
DEVELOPMENT SERVICES	
PROFESSIONAL ENGINEER CERTIFICATION	
I HEREBY AFFIRM THAT THESE FINAL CONSTRUCTION PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION, IN ACCORDANCE WITH ALL APPLICABLE TOWN OF CASTLE ROCK AND STATE OF COLORADO STANDARDS AND STATUTES, RESPECTIVELY, AND THAT I AM FULLY RESPONSIBLE FOR ALL DESIGN AND REVISION RELATIVE TO SAID PLANS.	
DATE	

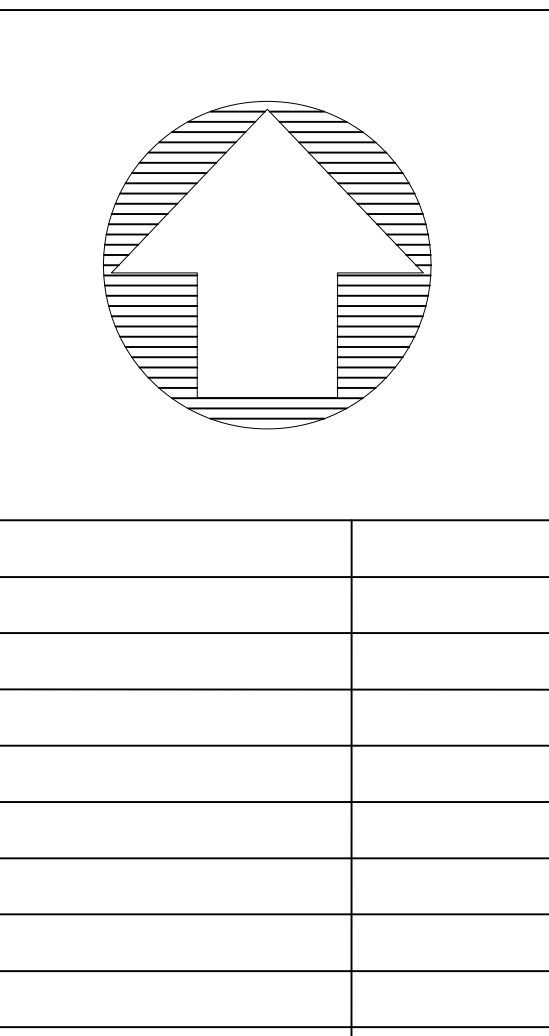


POTHOLE TABLE				
POTHOLE #	UTILITY	DIAMETER	TOP OF UTILITY	BOTTOM OF UTILITY
PH 60 @ 100+89	ELECTRIC			
PH 61 @ 101+21	WATER			
PH 62 @ 101+35	SEWER			
PH 63 @ 101+46	STORM			
PH 64 @ 101+84	ELECTRIC			
PH 65 @ 101+85	ELECTRIC			

PROJECT:
DN1446_DN2000BA_11LAB_5339

NED

DENVER, CO



McImetro
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

DENVER, CO NED PERMIT

DATE: 3/2/26

ENGINEER: ADB

DRAWN BY: TAZN

REVISIONS		

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SCALE

HORIZONTAL: 1" = 50'

VERTICAL: 1" = 50'

SHEET NO: C-117.2

PAGE NO: 35 OF 36

WORK ORDER: 2509CWYP

PLAN LEGEND						PROFILE LEGEND			
UG	PROPOSED UNDERGROUND	SS	SEWER LINE		EASEMENT BOUNDARY		FIRE HYDRANT		EXISTING GRADE
AE	PROPOSED AERIAL	R	RECLAIMED WATER LINE		EXISTING HANDHOLE		SEWER STRUCTUE		PROPOSED GRADE
EX	EXISTING FIBER	C	COMMUNICATIONS LINE		PROPOSED HANDHOLE		DRAINAGE STRUCTURE		EXISTING CONDUIT
OA	OVER LASHING AERIAL	E	ELECTRICAL LINE		EXISTING MANHOLE		COMMUNICATIONS STRUCTURE		PROPOSED CONDUIT
W	WATER LINE	ROW	RIGHT OF WAY		SPLICE POINT		GAS STRUCTURE		EXISTING HANDHOLE / MANHOLE
DR	STORM DRAIN LINE	EOP	EDGE OF PAVEMENT		POTHOLE		ELECTRICAL STRUCTURE		PROPOSED HANDHOLE
NG	GAS LINE		BOUNDARY LINE		WATER STRUCTURE				BORE PIT

APPROVED BY:

TOWN OF CASTLE ROCK APPROVAL
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM
DATE OF DEVELOPMENT SERVICES APPROVAL

DEVELOPMENT SERVICES: _____ DATE: _____

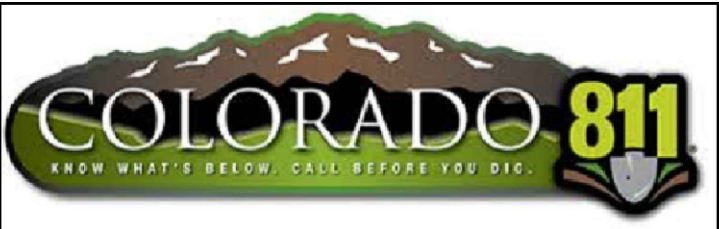
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DATE: _____

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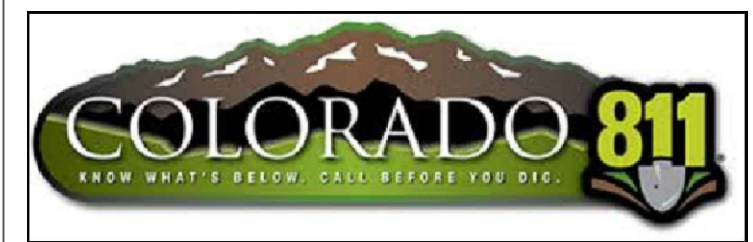


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PROJECT:
DN1446_DN2000BA_11LAB_5339

NED

DENVER, CO

MCImetro
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE
DENVER, CO NED PERMIT

DATE: 3/2/26

ENGINEER: ADB

DRAWN BY: TAZN

REVISIONS

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SCALE

HORIZONTAL: 1: 50

VERTICAL: 1: 50

SHEET NO: TCP-1

PAGE NO: 36 OF 36

WORK ORDER: 2509CWYP