

MR 509  
Permit No. 25-15893-06

Office Use Only

State of Ohio  
Department of Transportation  
Permit

County or Jurisdiction FRA  
Rte SR317  
Log Pt 2.71-3.02  
Acc Cat

[1] Subject to all terms, conditions, and restrictions printed, written below and on the reverse side hereof, or attached,

Name: MCImetro Access Transmission Services LLC  
Address: 400 International Parkway Richardson TX 75081  
Company Phone: 330-428-6126

is hereby granted a permit under Section 5515.01 and 5515.02 of Ohio Revised Code, and permission to perform work necessary in the manner described and at the location indicated in the following or attached to this permit.

Utility - (see attached sheets)

Description of Work: Bore Bury

[2] This permit shall be in the possession of employees /agents of permittee on site at all times who are in charge of the work and shall be shown, upon request, to any employee of the Department of Transportation.

Contact ODOT Representative 3 days before work begins, also contact ODOT Representative when work is completed for final inspection.

**Failure to notify the ODOT Representative could result in work stoppage!**

[3] No work authorized by this permit shall begin until the permittee has contacted and received instructions from

ODOT Representative

Phone Bob Wilson 614-387-2331

Email Address:

(Authorized ODOT Employee)

NOTE: Any work performed by the permittee may be stopped if this requirement is not met.

[4] Prior to any excavation in the highway right-of-way, the Ohio811, <https://www.oups.org/excavators>, must be contacted in accordance with ORC Section 3781.25 to 3781.32. Ohio811 can be reached at 1-800-362-2764 or 811.

**[5] If your utility is above ground in any way, you must mark your utility with a fluorescent colored marker that corresponds with the universal OUPS color code. The marker must be no shorter than six feet in height and you must maintain the marker. Guide wires must be marked a fluorescent yellow. Failure to mark as described, will result in the Department of Transportation being held harmless and no reimbursement for damage to your property.**

[6] All work requiring persons or vehicles within ODOT right of way shall comply with all applicable requirements of the Ohio Manual of Uniform Traffic Control Devices and Item 614 (Maintaining Traffic) of the Construction and Material Specifications, latest editions. Failure to comply with these requirements will be cause for immediate revocation or suspension of the permit until the proper traffic control devices have been provided.

[7] The permittee accepts the conditions, terms, and requirements printed, written on, or attached to this permit and understands that failure to comply fully with those conditions, terms, and requirements or any change in the use of the permit inconsistent with its terms and conditions will be considered a violation and cause for suspension, revocation, or annulment of the permit thereby rendering the permit illegal and subject to appropriate Department action, up to an including removal of the installation at the permittee's expense.

[8] Performance Bond Required? Yes ☒ No ☐ Company \_\_\_\_\_  
Effective Date \_\_\_\_\_ Expiration Date \_\_\_\_\_ Amount \$ \_\_\_\_\_

[9] This permit shall be void if the work described herein does not comply with the conditions, terms, and requirements applicable to this permit, and if the work is not completed by 11/28/2025

Dated 05/28/2025

Rev 5/6/2021

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General Provisions Applicable to All Permits  
(Sections 5515.01 and 5515.02 of O.R.C.)

- [1] This permit is not a substitute for satisfying the rights or obligations of any other party who may have an interest in the underlying fee interest.
- [2] The granting of this permit does not convey to the permittee or to the property served any rights, title, or interest in state highway rights of way or in the design or operation of the state highway; or in any way abridge the right of the Director of the Department of Transportation in his jurisdiction over state highways. If, in the process of any future work or for the benefit of the traveling public, it becomes necessary, in the opinion of the Director of Transportation to order the removal, reconstruction, relocation, or repair of any of the fixtures, or work performed under this permit, said removal, reconstruction, relocation, or repair shall be wholly at the expense of the owners thereof or the permittee and be made as directed by the Director of Transportation and within the time determined by the Director. Such changes in the state highway design or operation, necessary for improved safety and operation or for the benefit of the traveling public, shall not require a permit modification since the permit confers no private rights to the permittee over the control of the state highway.
- [3] The District Deputy Director acts for and on behalf of the Director in issuing and carrying out the provisions of all permits. The District Deputy Director has full authority to ensure that all provisions of the permit are met and to reject any materials, design, and workmanship that do not meet applicable Department standards. The District Deputy Director, at his/her discretion, may require a performance bond or certified check as a prerequisite to the issuance of a permit.
- [4] Failure on the part of the permittee to comply fully with the provisions and conditions of the permit will be cause for suspension, revocation, or annulment of the permit thereby rendering the permit illegal and subject to appropriate Departmental action. By accepting the permit, the permittee agrees to comply with all conditions, terms, and restrictions printed or written on or attached to the permit. If the permittee or its agent performs any work contrary to the conditions of the permit or to the instructions of the District Deputy Director and, after due notice, fails to correct the problem, the Department of Transportation may, with or without notice, correct or remove such work and the permittee shall reimburse the Department for the costs and shall hold the Department harmless for all results of such work.
- [5] The permittee shall indemnify and hold harmless the State of Ohio, Department of Transportation, its officers, representatives and assigns, from any and all loss, liability, damages, litigation costs, and claims for injury or death to any person, property, or business caused by or resulting from any act, omission, event, consequence, or occurrence, negligent or otherwise of the permittee, its employees, agents, or assigns as a result of the issuance of this permit.
- [6] All work authorized under the permit shall be performed to the Department's satisfaction, and the entire expense shall be borne by the permittee. No work shall be performed until the permittee has contacted the Department's appointed representative named on the permit and received instructions. The Department's representative may inspect all work covered by the permit, or the Department reserves the right, during the time any or all of the work is being performed, to appoint an inspector over the work who shall represent the interest of the State on the work and any compensation arranged for shall be paid wholly by the permit holder. Work not in compliance shall be halted and the District Deputy Director shall be notified of the cause. The permittee shall be notified of the Department's determination and given an opportunity to correct the problem. If the problem is not corrected timely or to the satisfaction of the Department, this permit will be revoked.
- [7] Failure to complete all work within the time specified on the permit shall void the permit, thereby making the permit illegal and subject to appropriate Departmental action. The permittee may request an extension in writing from the District Office, explaining why the extension is necessary and when the work is expected to be completed.
- [8] All work infringing on the pavement or shoulders shall comply with applicable standards and requirements regarding traffic control devices. Failure to comply will be cause for revocation or suspension of the permit. Any closure of lanes or shoulders shall be described in terms of location, duration, time of day, etc. Such work shall not begin until all traffic control devices are in place.

[9] If any grading, sidewalk, or other work allowed by a permit interferes with the drainage of the highway in any way, such catch basins and outlets as necessary shall be constructed to take proper care of said drainage and any materials such as pipes and tiles damaged during any installation or repair by the permittee or its employees or agents shall be repaired immediately at the sole cost of the permittee. Permittee shall timely notify the Department of any such damage and repairs thereto. Failure of the permittee to immediately repair the damage after it is discovered shall result in the Department performing the repair and the permittee shall reimburse the Department for the costs and shall hold the Department harmless for all the results of such work which may include removal of the permittee's facilities.

[10] Any damage to ODOT or another's property caused by the work shall be repaired by the permittee or permittee's agent or contractor in a timely manner and at the sole cost of permittee. If any emergency repairs to ODOT property are needed that cannot be performed by the permittee or permittee's agent or contractor, ODOT shall cause the repairs to be performed at the sole cost of permittee.

[11] Upon completion of the work, the permittee shall leave the highway clean of all rubbish, excess materials, temporary structures and equipment, and all parts of the highway shall be left in a condition acceptable to the Department. Upon satisfactory completion of the work authorized by the permit, the Department's appointed representative shall complete the Permit Inspection Certificate, Form No. MR 678 certifying that the permittee has complied with the terms of the permit.

[12] Except as herein authorized, no excavation shall be made or obstacle placed within the limits of the highway so as to interfere with the travel over the road.

[13] All pole lines are to be built in accordance with Rule 4901:3-1-03 of Ohio Administrative Code promulgated and enforced by the Public Utilities Commission of Ohio.

[14] All underground utilities shall be installed at a depth and horizontal distance from the road surface and any appurtenances in accordance with state and national safety standards and as pre-approved by the Department. After installation, the exact location of the utility shall be provided to the Department. The Department shall be held harmless for any damage to utilities due to insufficient or inaccurate installation or identification and all repairs shall be at the sole cost of the permittee.

[15] The permittee shall comply with the Air Pollution requirements of Rule 3745-17-08 of the Ohio Administrative Code promulgated and enforced by the Ohio Environmental Protection Agency.

[16] The permittee certifies that he or she is fully authorized to sign this permit. This permit shall apply to and be binding upon the permittee and any successors in interest. No change in ownership of the underlying property or of the facility owned by permittee shall in any way alter the permittee's obligations under this permit.

[17] The permittee(s) for herself/himself/themselves/itself, her/his/their/its personal representatives, and her/his/their/its successors in interest and assigns, as a part of the consideration hereof, do/does hereby covenant and agree that:

(1) No person on the grounds of race, color, or national origin, shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of the utility/facilities/ services of the permittee.

(2) In the construction of any improvements on, over, or under the above described property and the furnishing of services thereon, no person on the grounds of race, color, national origin, sex, age, or disability shall be excluded from the participation in, be denied the benefits of, or be otherwise subjected to discrimination.

(3) The above described property shall be used in a manner that at all times is in compliance with all other requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. DOT, Subtitle A, Office of the Secretary, Part 21, Non-discrimination in Federally-assisted programs of the U.S. DOT — Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended.

(4) In the event that this instrument grants a lease, license, or permit and any of the above non-discrimination covenants is breached, then the State of Ohio, Department of Transportation, shall have the unfettered right to terminate the lease, license or permit and to re-enter and repossess the above-described property and hold the same as if said lease, license or permit had never been made or issued.

This permit is granted subject to the following attached conditions:

Permit approved for bore/bury as per plans and specifications are attached.

This permit is approved to do work in ODOT right of way only. At no time does this permit give you the right to trespass onto private property.

It is your responsibility to have all the proper permits and agreement to be outside of the right of way and on private property.

Must be 48" below pavement and 36" below ditch line. Must be 10' from edge of pavement and 72" below culverts. No open cut of the road. The right of way must be restored back to its original condition or better.

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#### **MAINTENANCE OF TRAFFIC PLAN**

THE FOLLOWING TYPICAL APPLICATION(S) FROM THE 2012 EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES ARE APPROVED OPERATIONS AND SHOULD BE USED, AS NECESSARY, FOR TRAFFIC CONTROL ON THIS PROJECT AS DESCRIBED IN THE MANUAL: TA-1 & TA-3.

AT NO TIME SHALL ANY LANES BE RESTRICTED OR CLOSED. IF A LANE CLOSURE OR RESTRICTION IS REQUIRED, THE APPLICANT SHALL RESUBMIT THE APPLICATION.

#### **SIDEWALK OR WALKWAY**

IF AT ANY TIME A SIDEWALK OR WALKWAY PATH IS RESTRICTED AND/OR CLOSED THE CONTRACTOR SHALL PROVIDE AN ALTERNATE ROUTE FOR THE PUBLIC TO UTILIZE FOR TRAVEL. MT-110.10, PEDESTRIAN DETOUR METHODS OR TA-28 SIDEWALK DETOUR OR DIVERSION.

#### **MUD, DIRT AND DEBRIS**

THE TRACKING OR SPILLAGE OF MUD, DIRT OR DEBRIS UPON STATE HIGHWAYS IS PROHIBITED AND ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR.

#### **VEHICLE PARKING**

VEHICLES ARE NOT TO BE PARKED ON THE PAVEMENT. ALL VEHICLES ARE TO BE PARKED PER CMS 614.035 - STORAGE OF EQUIPMENT, VEHICLE AND MATERIAL ON HIGHWAY RIGHTS OF WAY.

#### **PERSONAL PROTECTIVE EQUIPMENT**

ODOT REQUIRES ALL CONTRACTORS' PERSONNEL TO WEAR THE CORRECT PPE WHILE WITHIN ODOT RIGHT-OF-WAY. ALL VEHICLES SHALL HAVE THE CORRECT SAFETY EQUIPMENT ALSO.

#### **NOTIFICATION OF CONSTRUCTION INITIATION**

AT LEAST SEVEN DAYS PRIOR TO STARTING WORK, THE CONTRACTOR SHALL ADVISE THE ODOT DISTRICT 6 OFFICE OF COMMUNICATIONS VIA EMAIL AT D06.PIO@DOT.OHIO.GOV AND THE ODOT DISTRICT 6 WORK ZONE TRAFFIC MANAGER VIA EMAIL AT D06.MOT@DOT.OHIO.GOV OF THE ANTICIPATED START DATE OF ANY CONSTRUCTION ACTIVITIES, INCLUDING BUT NOT LIMITED TO THE PLACING OF WORK ZONE SIGNS, AND IT ITS ANTICIPATED IMPACT ON TRAFFIC. THE CONTRACTOR WILL IMMEDIATELY INFORM THE DISTRICT OFFICE OF COMMUNICATIONS AND THE DISTRICT WORK ZONE TRAFFIC MANAGER OF ANY AND ALL DELAYS AND/OR CHANGES REGARDING THE CONSTRUCTION INITIATION DATE.

### **BORE PITS, EARTHWORK AND TRENCHES BEYOND THE SHOULDER**

BORE PITS, EARTHWORK AND TRENCHES WITHIN ODOT RIGHT-OF-WAY MUST BE OUTSIDE OF THE DITCH SECTION AND PROTECTED IN ACCORDANCE WITH ODOT'S STANDARD CONSTRUCTION DRAWING MT-101.90. "DROP OFFS IN WORK ZONES".

- A PIT/TRENCH 4 TO 12 FEET FROM THE EDGE OF TRAVELED LANE AND GREATER THAN 12 INCHES DEEP MUST HAVE DRUMS DURING THE DAY AND PCB AT NIGHT UNLESS SECURELY PLATED OR BACKFILLED TO WITHIN 12 INCHES. SEE MT-101.90 FOR ADDITIONAL INFORMATION.
- A PIT/TRENCH 12 TO 30 FEET FROM THE EDGE OF TRAVELED LANE AND GREATER THAN 24 INCHES DEEP MUST HAVE DRUMS DURING THE DAY AND PCB AT NIGHT UNLESS SECURELY PLATED OR BACKFILLED TO WITHIN 24 INCHES. SEE MT-101.90 FOR ADDITIONAL INFORMATION.

THE LENGTH OF THE TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER.

### **OVERNIGHT TRENCH CLOSING**

THE BASE WIDENING SHALL BE COMPLETE TO A DEPTH OF NO MORE THAN 1 ½ INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORKDAY. THIS REQUIREMENT MAY BE MET BY TEMPORARILY PLACING SUBBASE AND BASE MATERIAL TO WITHIN 1½ INCHES OF THE EXISTING GRADE ADJACENT TO THE TRAVELED LANE AND SLOPING THE MATERIAL AT 3:1 OR FLATTER WITHIN THE EXCAVATED AREA. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER.

### **ACCESS TO PRIVATE PROPERTY**

ACCESS TO DRIVES SHALL BE MAINTAINED VIA EXISTING PAVEMENT, TEMPORARY PAVEMENT OR ITEM 304. IN THE EVENT THAT A DRIVE CANNOT BE MAINTAINED AND A CLOSURE IS NEEDED THE CONTRACTOR WILL COORDINATE WITH THE PROPERTY OWNER TO MINIMIZE THE IMPACT TO THE OWNER.

COMMERCIAL PROPERTY WITH MULTIPLE DRIVES MAY HAVE ONE DRIVE CLOSED WHEN WORKING IN THE AREA OF THE DRIVE. COMMERCIAL PROPERTY WITH ONLY ONE DRIVEWAY OR DRIVEWAYS WITH ONE DIRECTION TRAFFIC USE WILL BE CONSTRUCTED PART WIDTH. THE CONTRACTOR WILL COORDINATE WITH THE PROPERTY OWNER TO MINIMIZE THE IMPACT TO THE OWNER.

MAINTAIN ACCESS TO RESIDENTIAL PROPERTIES AT ALL TIMES. WHEN A RESIDENTIAL DRIVE IS CLOSED FOR CONSTRUCTION, MAINTAIN ALTERNATE ACCESS TO THE PROPERTY. IT MAY BE REQUIRED FOR THE CONTRACTOR TO MAINTAIN ONE PASSABLE LANE WITHIN A CLOSURE IN ORDER FOR VEHICLES TO ACCESS RESIDENCY WITH A VEHICLE.

SUCCESSFULLY NOTIFY THE OCCUPANTS/OWNERS OF COMMERCIAL OR RESIDENTIAL DRIVES TO BE CLOSED AND COORDINATE THE CLOSURE AT LEAST 48 HOURS BEFORE THE CLOSURE BEGINS (SIMPLY LEAVING A WRITTEN NOTICE OR PHONE MESSAGE IS NOT SUFFICIENT). COORDINATE ALTERNATE ACCESS TO RESIDENTIAL PROPERTIES WITH THE OWNER/OCCUPANT.

**FLOODLIGHTING**

FLOODLIGHTING FOR OPERATIONS CONDUCTED DURING NIGHTTIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE PERMIT HOLDER SHALL DRIVE THROUGH THE AREA EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED, THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO ELIMINATE THE GLARE.

**PERMITS**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS IN ADVANCE OF ANY WORK BEING DONE IN ALL LOCAL AGENCIES RIGHT OF WAY BY THE CONTRACTOR OR SUB-CONTRACTORS.

AT NO TIME SHALL ANY WORK OVER LIVE TRAFFIC TAKE PLACE. IF WORK OVER THE ROADWAY IS REQUIRED, THE APPLICANT SHALL RESUBMIT THE APPLICATION WITH THE APPROPRIATE DOCUMENTS.

AT NO TIME SHALL THE ODOT ROW FENCE BE INTERFERED WITH. IF REMOVAL IS REQUIRED, THE APPLICANT SHALL RESUBMIT THE PERMIT WITH THE APPROPRIATE DOCUMENTS & JUSTIFICATION INCLUDED IN THE RESUBMITTAL.



MCImetro  
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

FACILITIES RELOCATION

MARE

GMG PROJECT P-505044-UG1

EWO: 2404ADOA

ADDRESS: SHOOK RD

COLUMBUS, OH

PROJECT NAME:

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LOCATION MAP  
COLUMBUS, OH



MCImetro

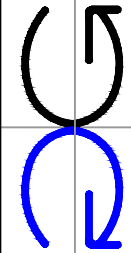
PROJECT: P-505044-UG1

SHOOK RD

COLUMBUS, OH

PLANS PREPARED BY:

GIOMARE GROUP, LLC



TELECOM CONSULTING & ENGINEERING

MCImetro  
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION  
FACILITIES RELOCATION

SHOOK RD

DATE: 04/14/2025

ENGINEER: HS

DRAWN BY: ZS

REVISIONS		
DATE	DESCRIPTION	INITIAL

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SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP      TO MP

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FILE: P-505044-2404AD0A-UG1\_04142025



CONTACT SHEET & PERMIT SUMMARY

MCI METRO BUSINESS

PROJECT ENGINEER

MAURICE JONES (740) 879-5259  
BRIAN ANSEL (216) 346-2051

CONSTRUCTION / RESTORATION CONTRACTOR

NAME OF FIRM: THAYER  
  
KERRY MOATS kerrymoats@thayerpc.com (614) 212-6576

ENGINEERING CONTRACTOR

NAME OF FIRM: GIOMARE GROUP, LLC  
  
OSP FIELD MANAGER: CHRIS MILLER cmillerr@giomaregroup.com  
PROJECT MANAGER: MIKE BAYLES mbayles@giomaregroup.com

ROW & LEGAL

UTILITIES

MCI UTILITY LOCATE	1-(800)624-9675
ONE CALL SYSTEM (UTILITY LOCATES)	
AT&T OHIO: JOHN GARRITY	(262)896-6552
BRAINARD GAS CORPORATION	(440)437-8600
CENTURYTEL/CENTURYLINK: TBD	
AURORAELECTRIC ILLUMINATING: REBECCA H PEPPERS	(440)546-8744
AURORAPUBLIC POWER: CHRIS HIRZEL	(216)420-7704. 122
CLEVELAND-PORTAGE COUNTY COUNTY PORT AUTHORITY: TBD	(216)241-8004
COLUMBIA GAS OF OHIO, INC.: TBD	
CONSUMERS GAS CORPORATIVE : DAN BURKHART	(330)682-4144
DOMINION EAST OHIO. TBD	
FIBER TECHNOLOGIES NETWORKS LLC: NICOLE WALKER	(585)697-5130
FRONTIER/NORTH: TAMMY ALBRIGHT	
GRANGER ENERGY OF LAKE COUNTY: TBD	(517)372-2800
KNOX ENERGY COOPERATIVE ASSOCIATION, INC: TBD	(330)498-9130
NORTHEAST OHIO NATURAL GAS CORPORATION: TBD	1-(800)237-2099
OHIO EDISON: AMANDA RICHARDSON	1-(800)633-4766
OHIO RURAL NATURAL GAS COOPERATIVE: TBD	(440)255-5198
ORWELL NATURAL GAS COMPANY: TBD	
PAINESVILLE ELECTRIC: J. MCHUGH	(440)392-5926
CUYAHOGA COUNTY PORT AUTHORITY: LORI SALLAZ	(330)762-4776
SUNESYS-NOW CROWN CASTLE FIBER: TBD	
WINDSTREAMOHIO: TBD	
WINDSTREAMWESTERN/RESERVE: TBD	

RAILROADS

CITY GOVERNMENT

COUNTY GOVERNMENT

STATE GOVERNMENT

FEDERAL GOVERNMENT

OTHER

NON-EMERGENCY FIRE SERVICES:

NON-EMERGENCY POLICE SERVICES:

REAL ESTATE MANAGER:

MATT KRAMER, matt.kramer@verizonwireless.com

CONSTRUCTION MANAGER:

BRIAN DEAN, brian.dean1@verizonwireless.com

POWER COMPANY: DUKE

WORK ORDER:

ACCOUNT NUMBER: 0

CONTACT: DUSTIN COLBERT

CONTACT EMAIL: DSCOLBERT@TEAMFISHEL.COM

PHONE NUMBER: 513-617-8518

APPLICANT:

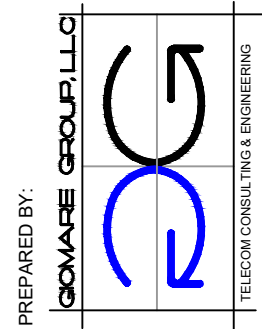
PERMIT SUMMARY:

MCImetro

PROJECT: P-505044-UG1

SHOOK RD

COLUMBUS, OH



PLANS PREPARED BY:

MCImetro  
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION  
FACILITIES RELOCATION

SHOOK RD

DATE: 04/14/2025

ENGINEER: HS

DRAWN BY: ZS

REVISIONS

DATE	DESCRIPTION	INITIAL

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SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP TO MP

SHEET 3 OF 17.3

FILE: P-505044-2404ADOA-UG1\_04142025

GENERAL NOTES

1. MCI COMPRISES THE FOLLOWING OPERATING ENTITIES:

- BROOKS FIBER PROPERTIES, INC.

-MCI METRO ACCESS TRANSMISSION SERVICES, LLC

-MCI WORLDCOM NETWORK SERVICES, INC.

(COMPRISES MCI TELECOMMUNICATIONS COPR. (MCI LD)

AND WORLDCOM NETWORK SERVICES, INC. (WORLDCOM LD)

-SOUTHERNET, INC.

-INTERMEDIA, INC.

\*THE MCI FACILITIES WITHIN THIS CONSTRUCTION PACKAGE ARE HELD BY THE OPERATING

ENTIT(IES) INDICATED BY AN ASTERICK.
- MFS TELECOM, INC.

-TELECOM USA, INC.

-SOUTHERNET SYSTEMS, INC.

-MCI WORLDCOM NETWORK SERVICES OF VIRGINIA, INC.

-MCI METRO ACCESS TRANSMISSION SERVICES OF

VIRGINIA, INC.

2. ALL WORK TO BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES OR REQUIREMENTS OF ANY REGULATING GOVERNMENTAL AGENCY, MCI TELECOMMUNICATIONS CORPORATIONS, AND THE RIGHT-OF-WAY GRANTOR.

3. LOCATIONS OF SOME OF THE PHYSICAL FEATURES WERE OBTAINED FROM DATED AERIAL PHOTOS EVALUATION MAPS OR OTHER DRAWINGS AND MAY NOT BE AS SHOWN OR DEPICTED ON THESE DRAWINGS.
4. UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. THERFORE, 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.
5. 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.
6. ANY AND ALL IMPROVEMENTS, SUCH AS ASPHALT OR CONCRETE PAVEMENT, CURBS, GUTTERS, WALKS, DRAINAGE DITCHES, EMBANKMENTS, SHRUBS, TREES, GRASS SOD, ETC., IF DAMAGED, SHALL BE RESTORED TO ORIGINAL CONDITION.
7. 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.
8. SHORING OF BORE PITS AND TRENCHES IN ACCORDANCE WITH OSHA REGULATIONS IS MANDATORY.
9. 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.
10. ALL 2"ID CONDUIT WILL BE SCHEDULE HDPE SDR II OR AS SPECIFIED.
11. UNDERGROUND CONDUIT WILL BE PLACED AT 36" MINIMUM COVER UNLESS OTHERWISE SPECIFIED ON THE CONSTRUCTION DRAWINGS.
12. ALL ROW LINES SHOWN ARE APPROXIMATE AND DERIVED FROM CUYAHOGA COUNTY GIS DATA SETS

A - GENERAL REQUIREMENTS:

1. ALL WORK, MATERIAL, AND EQUIPMENT SHALL COMPLY WITH VERIZON WIRELESS STANDARD CONSTRUCTION SPECIFICATIONS, ALL REQUIREMENTS OF THE LATEST EDITIONS AND INTERIM AMENDMENTS OF THE NATIONAL ELECTRICAL CODES (N.E.C), NATIONAL ELECTRICAL SAFETY CODE, OSHA, AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES. ALL ELECTRICAL EQUIPMENT PROVIDED UNDER THIS CONTRACT SHALL BE NEW (EXCEPT WHERE OTHERWISE NOTED) AND SHALL COMPLY WITH THE REQUIREMENTS OF THE UNDERWRITERS' LABORATORIES (U.L) AND BEAR THE U.L LABEL.
2. THE OWNER OF HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO THE OWNER OR HIS ARCHITECT/ENGINEER.
3. THE CONTRACTOR SHALL SUPPORT, BRACE AND SECURE EXISTING STRUCTURES AS REQUIRED. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PROTECTION OF ANY EXISTING DIMENSIONS WHICH AFFECT THE NEW CONSTRUCTION.
4. THE CONTRACTOR SHALL NOT ALLOW OR CAUSE ANY OF THE WORK TO BE COVERED UP OR ENCLOSED UNTIL IT HAS BEEN INSPECTED BY THE GOVERNING AUTHORITIES. ANY WORK THAT IS ENCLOSED OR COVERED UP BEFORE SUCH INSPECTION AND TEST SHALL BE UNCOVERED AT THE CONTRACTORS EXPENSE; AFTER IT HAS BEEN INSPECTED, THE CONTRACTORS SHALL RESTORE THE WORK TO ITS ORIGINAL CONDITION AT HIS OWN EXPENSE.
5. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT/ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL SAID UTILITIES AND FACILITIES PRIOR TO START CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITIES COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OR REMOVING OR ADJUSTING AFFECTED UTILITIES.
6. CONTRACTORS SHALL FIELD VERIFY ALL EXISTING UTILITIES BOTH HORIZONTALLY AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE PROPERTY MANAGER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PREFORMED UNTIL DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS OWN RISK AND EXPENSE. CONTRACTOR SHALL CALL O.U.P.S AT (800)362-2764 24 HOURS PRIOR TO START OF CONSTRUCTION TO HAVE UNDERGROUND UTILITIES LOCATED AND MARKED.
7. CONTRACTOR SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION SUCH AS THAT PAPERS, TRASH, DEBRIS, WEEDS, BRUSH, OR ANY OTHER DEPOSED OF OFF-SITE BY THE CONTRACTOR.
8. ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY THE CONTRACTOR WITH LOCAL GAS, ELECTRIC, TELEPHONE AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.
9. DURING CONSTRUCTION, THE CONTRACTOR SHALL AT ALL TIMES MAINTAIN THE UTILITIES OF THE BUILDING/SITE WITHOUT INTERRUPTION. SHOULD IT BE NECESSARY TO INTERRUPT ANY SERVICE OR UTILITY, THE CONTRACTOR SHALL SECURE PERMISSION IN WRITING FROM THE BUILDING/ PROPERTY OWNER FOR SUCH INTERRUPTION, AT LEAST 72 HOURS IN ADVANCE. ANY INTERRUPTION SHALL BE MADE WITH A MINIMUM AMOUNT OF INCONVENIENCE TO THE BUILDING/PROPERTY OWNER AND ANY SUCH SHUTDOWN TIME SHALL BE COORDINATED WITH THE BUILDING/PROPERTY OWNER
10. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE OHIO STANDARDS FOR EROSION AND SEDIMENT CONTROL.
11. CONTRACTOR SHALL SUBMIT AT THE END OF THE PROJECT A COMPLETE SET AS BUILT DRAWINGS TO THE OWNER AND/OR PROJECT MANGER.

B- GENERAL NOTES:

1. THESE NOTES SHALL BE CONSIDERED PART OF THE WRITTEN SPECIFICATIONS.
2. THE WORK SHALL INCLUDE FURNISHING EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE THE INSTALLATIONS AS INDICATED I THE CONTRACT DOCUMENTS.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACT(S) SHALL VISIT THE JOB SITE(S) AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED PER THE CONTRACT DOCUMENTS, AND DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE OWNER/CONSTRUCTION MANAGER (VERIZON) AND THE ENGINEER OF RECORD (THAYER POWER & COMMUNICATION) PRIOR TO PROCEEDING.
4. THE CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED ON ANY WORK NOT CLEARLY DEFINED OR IDENTIFIED IN THE CONSTRUCTION DOCUMENTS BEFORE STARTING ANY WORK.

5. ALL WORK PREFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES, INCLUDE APPLICABLE MUNICIPAL AND UTILITY COMPANY SERVICES.
6. THE CONTRACTOR SHALL INSTALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. IF THE RECOMMENDATIONS ARE IN CONFLICT WITH THE CONTRACT DOCUMENTS AND/OR APPLICABLE CODES OR REGULATIONS, REVIEW THE CONFLICT OF DIRECTIONS WITH THE OWNER/CONSTRUCTION MANAGER AND THE ENGINEER OR RECORD PRIOR TO PROCEEDING.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATION OF ALL PORTIONS OF THE WORK UNDER THE CONTRACT, INCLUDING CONTACT AND COORDINATION WITH THE CONSTRUCTION MANAGER AND/OR THE AUTHORIZED REPRESENTATIVE OF ANY OUTSIDE POLE OR PROPERTY OWNER.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SAFETY PLANS FOR ANY WORK IN THE RIGHT OF WAY. TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE PROPER JURISDICTION FOR APPROVAL PRIOR TO IMPLEMENTATION.
9. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVINGS, CURBS, VEGETATION, GALVANIZED SURFACES OR OTHER EXISTING ELEMENTS AND UPON COMPLETION OF THE WORK, CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF THE CLIENT AND AT NO ADDITIONAL COST TO THE CLIENT.
10. KEEP THE GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH, AND REMOVED EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN A CLEAN CONDITION DAILY.
11. PLANS ARE INTENDED TO BE DIAGRAMMATIC ONLY AND SHOULD NOT BE SCALED UNLESS OTHERWISE NOTED. RELY ONLY ON ANNOTATED DIMENSIONS AND REQUEST INFORMATION IF ADDITIONAL DIMENSIONS ARE REQUIRED.
12. THE EXISTENCE AND LOCATION OF UTILITIES AND OTHER AGENCY'S FACILITIES ARE OBTAINED BY A VISUAL SITE VISIT ONLY OTHER FACILITIES MAY EXIST BEYOND WHAT IS NOTED. CONTRACTOR SHALL VERIFY LOCATIONS PRIOR TO START OF CONSTRUCTION AND USE EXTREME CARE AND PROTECTION OF UTILITIES AND OTHER AGENCY'S FACILITIES WITHIN LIMITS OF THE WORK, WHETHER THEY ARE INDICATED IN THE CONTRACT DOCUMENTS OR NOT.

C- RIGHT OF WAY CONSTRUCTION NOTES:

1. GENERAL CONTRACTOR TO REMOVE/CLEAN ALL DEBRIS, NAILS, STAPLES, OR NON-USED VERTICALS OFF THE POLE.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH MUNICIPAL, COUNTY, STATE, FEDERAL, G095 AND G0128 STANDARDS AND REGULATIONS
3. CALL APPROPRIATE STATE UTILITIES PROTECTION SERVICE PRIOR TO ANY UNDERGROUND WORK. OHIO (800-362-2764)
4. ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITION OR BETTER.

D - SITE WORK:

1. THE CONTRACTOR SHALL CALL ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES (WHERE ENCOUNTERED IN THE WORK) SHALL BE RELOCATED AS DIRECTED BY THE PROJECT MANAGER. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO:
- A. FALL PROTECTION

B. CONFINED SPACE

C. ELECTRICAL SAFETY

D. TRENCHING AND EXCAVATION
2. REMOVE FROM SITE/OWNERS PROPERTY ALL WASTE MATERIALS, UNUSED EXCAVATED MATERIAL INCLUDING MATERIAL CLASSIFIED UNSATISFACTORY, CONTAMINATED OR DANGEROUS TRASH AND DEBRIS, AND DISPOSE OF IN A LEGAL MANNER
3. ALL EXISTING INACTIVE SEWER, WATER, GAS ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK. SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF WORK, SUBJECT TO THE APPROVAL OF ENGINEERING AND DOCUMENTED ON AS-BUILT DRAWINGS.
4. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE BUILDING OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, FERTILIZED, SEEDED, AND COVERED WITH MULCH AS SPECIFIED IN THE SPECIFICATION LANDSCAPE WORK.
5. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL AND OBC 2017/ IBC 2015 STANDARD GUIDELINES FOR EROSION AND SEDIMENT CONTROL.

E-WIRELESS CONSTRUCTION NOTES:

1. CONTRACTOR IS TO FOLLOW MOST CURRENT VERIZON NADV/STANDARDS DOCUMENTS PROVIDED TO COMPLETE THIS INSTALLATION.
2. CONTRACTOR TO REFER TO THE MOST CURRENT VERIZON NADV FOR APPROVED COAXIAL PROVIDERS AND LINE SWEEP TESTING PROCEDURES.
3. CONTRACTOR SHALL INCLUDE AT LEAST ONE "ANRITSU" CERTIFIED LINE SWEEP TECHNICIAN ON SITE DURING ANY VERIZON JOB RELATED INSTALLATION OR MAINTENANCE OF COAXIAL CABLE, ANTENNAS, TT-LNA, RF CONNECTORS, JUMPERS OR DIPLEX FILTERS.
4. CONTRACTOR SHALL COMPLETE VERIZON PROVIDED "SMALL CELL SWEEP REPORT" WITH ALL INFORMATION FILLED IN ACCURATELY AND COMPLETE.
5. CONTRACTOR TO REFER TO THE MOST CURRENT VERIZON NADV FOR APPROVED "PIM" TEST EQUIPMENT AND GUIDELINES
6. CONTRACTOR IS TO USE BATTERY POWERED "PIM" EQUIPMENT TO VALIDATE THE FINAL LOCATION OF THE COAXIAL JUMPER AND ANTENNA ARE FREE OF INTERNAL AND EXTERNAL "PIM" SOURCES.
7. CONTRACTOR SHALL PROVIDE AT LEAST ONE TECHNICAL LEAD THAT IS CERTIFIED AND PROFICIENT IN EXECUTING, INTERPRETING, AND RECORDING "PIM" MEASUREMENTS.

F- RF COMPLIANCE & SIGNAGE REQUIREMENTS:

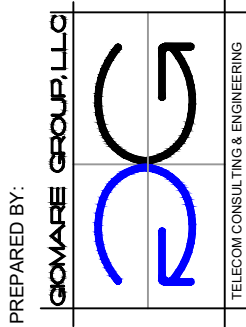
1. CONTRACTOR TO OBTAIN LATEST RFE INFORMATION FROM VERIZON PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL PROVIDE PHOTOS SUPPORTING RF COMPLIANCE SIGNAGE VERIFICATION CHECKLIST ON VZW STANDARD FORM AND TO BE SUBMITTED FOR VZW REVIEW PRIOR TO SITE TURN-UP.
3. CONTRACTOR SHALL PROVIDE PHOTOS SUPPORTING RF COMPLIANCE SIGNAGE VERIFICATION CHECKLIST FOR ALL POLE SIGNS PLACED, INCLUDING A DATE AND GPS COORDINATES STAMP ON EACH PHOTO TO BE SUBMITTED WITH SWEEPS AND PM TEST DATA FOR REVIEW TO SITE TURN-UP.

MCImetro

PROJECT: P-505044-UG1

SHOOK RD

COLUMBUS, OH



PLANS PREPARED BY:

MCImetro  
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

FACILITIES RELOCATION

SHOOK RD

DATE: 04/14/2025

ENGINEER: HS

DRAWN BY: ZS

REVISIONS

DATE	DESCRIPTION	INITIAL

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SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP TO MP

SHEET 4 OF 17.3

FILE: P-505044-2404ADOA-UG1\_04142025

MCI OUTSIDE PLANT FOCUS

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.

FOCUS 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-CONSRUCTION 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 MINUMUM OF EVERY 15 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 FACILITES ARE CLEARLY VISIBLE.

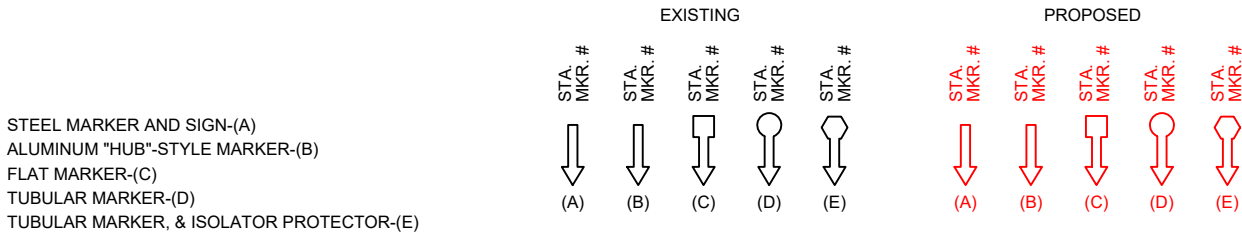
6.2.

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

- ALL FEDERAL, STATE AND LOCAL SAFETY REGULATIONS MUST BE FOLLOWED WITHOUT EXCEPTION.
- 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.
- USE OF INTOXICANTS, DRUGS, INHALANTS OR ANY OTHER SUBSTANCES THAT MAY IMPAIR ALERTNESS ARE STRICTLY PROHIBITED.
- 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.
- 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.
- TOOLS AND EQUIPMENT SPECIFICALLY DESIGNED FOR THE JOB AT HAND ARE REQUIRED. USE THE PROPER TOOL FOR THE JOB.
- CONDUIT WORK INVOLVING ACTIVE CABLES REQUIRES SPECIALIZED TOOLS SPECIFICALLY DESIGNED TO ACCESS DUCTS WITH ACTIVE CABLES.
- PROTECTING MCI FACILITIES IS EXTREMELY IMPORTANT; HOWEVER, SAFETY REGARDING YOURSELF AND OTHERS IS THE MOST IMPORTANT PART OF ANY PROJECT.

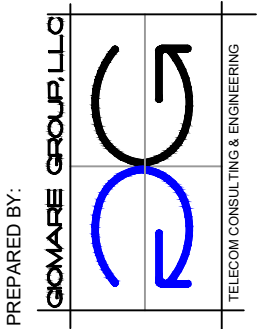


MCImetro

PROJECT: P-505044-UG1

SHOOK RD

COLUMBUS, OH



ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

FACILITIES RELOCATION

SHOOK RD

DATE: 04/14/2025

ENGINEER: HS

DRAWN BY: ZS

REVISIONS

DATE	DESCRIPTION	INITIAL

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SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP TO MP

SHEET 5 OF 17.3

FILE: P-505044-2404ADOA-UG1\_04142025

CLARIFICATION SUMMARY SHEET  
PROJECT SPECIFIC

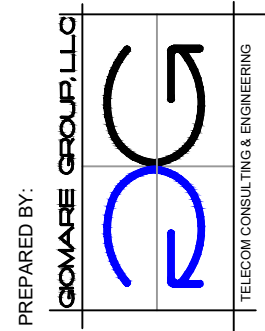
BILL OF MATERIALS						
DESCRIPTION		TYPE	QUANTITY	UNIT	MMID	
GHOST TERMINALS 12-FIBER PINNED FLAT DROP CABLE HMFOC JACK (PINNED) TO STUB		250	0	EA	10837369	
		500	0	EA	10837370	
		1000	0	EA	10837388	
		1500	0	EA	108354910	
		2000	0	EA	10854874	
		3000	0	EA	10863967	
HMFOC EXTENSION CABLE JACK (PINNED) TO PLUG (NOT PINNED)		50	0	EA	10819882	
		100	0	EA	10819873	
		200	0	EA	10819865	
		500	0	EA	10819883	
		1000	0	EA	10819885	
UNIVERSAL SNAPSTACK HANGER			0	EA	10837380	
SNAP-IN HANGER			0	EA	10837414	
SNAPTAK HANGER			0	EA	10837394	
PRIVATE PROPERTY FIBER TERMINATION (TELCO MIGRATION / IN-BUILDING SOLUTIONS)		48CT PATCH PANEL	0	EA	10820097	
		24CT PATCH PANEL	0	EA	10798808	
		12CT PATCH PANEL	0	EA	1078807	
		1000' UNPINNED TAIL	0	EA	10798712	
		500' UNPINNED TAIL	0	EA	10798703	
STRAND		6M 6000LB/250FT	0	FT	11066452	
OUTSIDE PLANT FIBER OPTIC CABLE		48CT	0	FT	10786041	
		96CT	0	FT	10786039	
		144CT	0	FT	10788031	
		288CT	0	FT	10786031	
		432CT	0	FT	10785958	
		864CT	0	FT	10827583	
		1728CT	0	FT	10830593	
COMMSCOPE FIBER OPTIC SPLICE CASES		450B6	0	EA	10796661	
		450BS	0	EA	10796674	
		450C	0	EA	10796650	
		450D	0	EA	10796658	
		600D	0	EA	10796686	
PLP FIBER OPTIC SPLICE CASE		COYOTE HD DOME	0	EA	NA	
CONDUIT		1-1/4" SDR 9 (3 WAY REEL)	0	FT	10796131	
		2" SDR 11	0	FT	10796224	
		4" SDR 11	0	FT	10796151	
HANDHOLE	SMALL	17"X30"X24"	0	EA	10836719	
	MEDIUM	24"X36"X24"	0	EA	10836729	
	LARGE	30"X60"X30"	0	EA	10332797	
MANHOLE			48"X48"X48"	0	EA	10840122

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SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP TO MP

SHEET 6 OF 17.3

FILE: P-505044-2404ADOA-UG1\_04142025



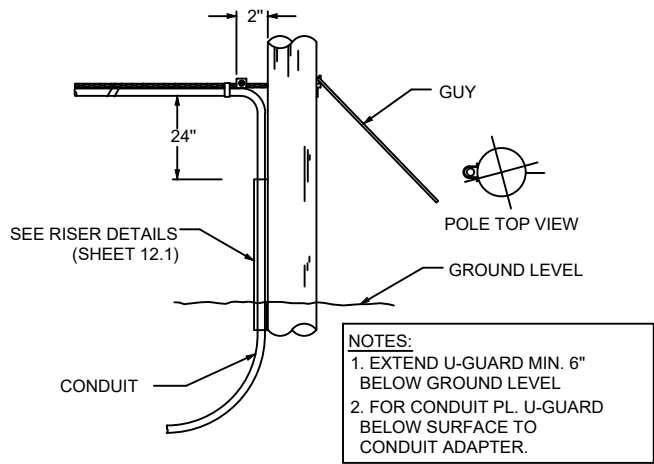
Know what's below.  
Call before you dig.



GENERAL AERIAL CONSTRUCTION DETAILS

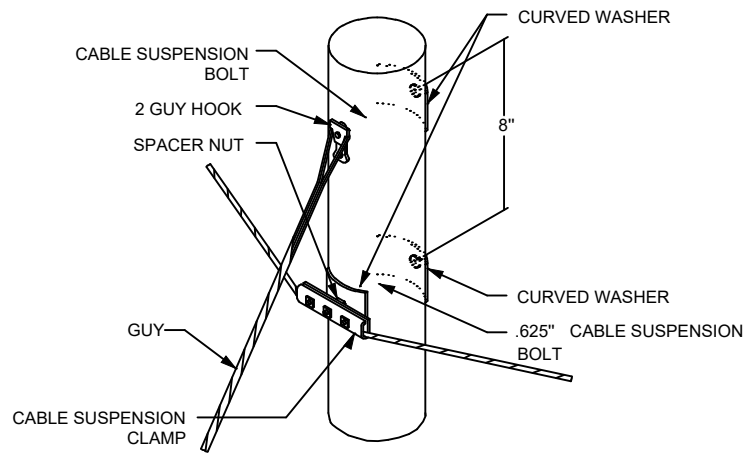
TYPICAL DETAIL "A"

POLE ARRANGEMENT FOR  
AERIAL TO BURIED



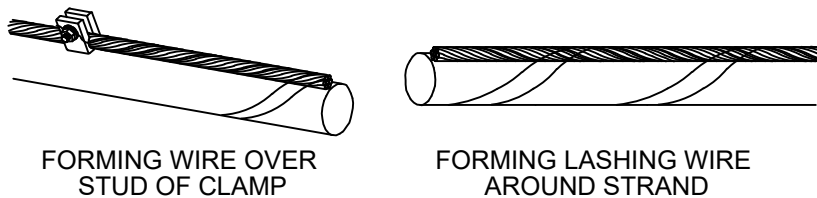
TYPICAL DETAIL "D"

SUSPENSION STRAND - PULL TOWARD  
POLE - LESS THAN 5 FEET



TYPICAL DETAIL "G"

JOINING 045 LASHING WIRE

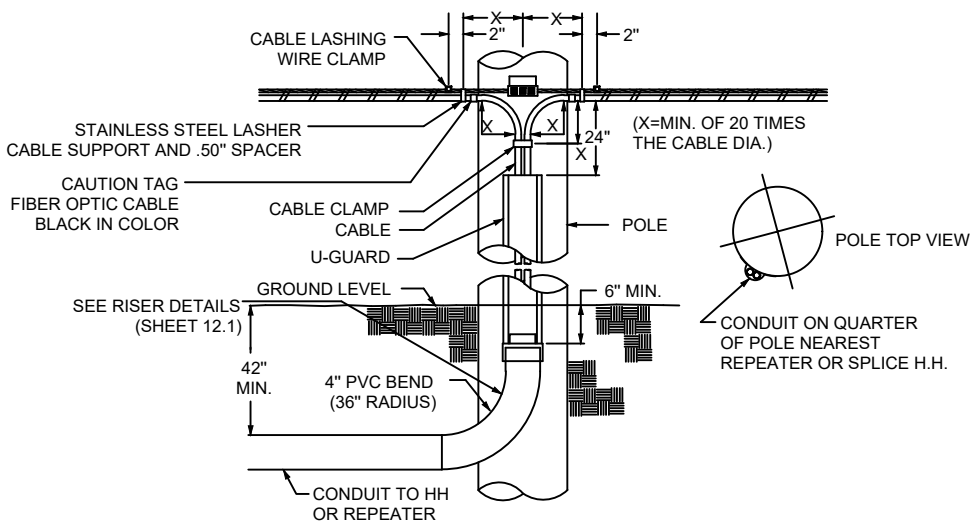


REMOVE ANY SLACK IN THE LASHING WIRE BY MAINTAINING A PULL ON THE WIRE AND TAPPING THE STRAND SHARPLY. THEN FORM THE WIRE OVER THE STUD AND TIGHTEN THE NUT. CUT THE FREE END OF THE LASHING WIRE OFF .75" BEYOND THE END OF THE CLAMP.

FORM THE LASHING WIRE AROUND THE STRAND AND PLACE IT BELOW THE STUD AND BETWEEN THE SECOND WASHER AND STUD SHOULDER.

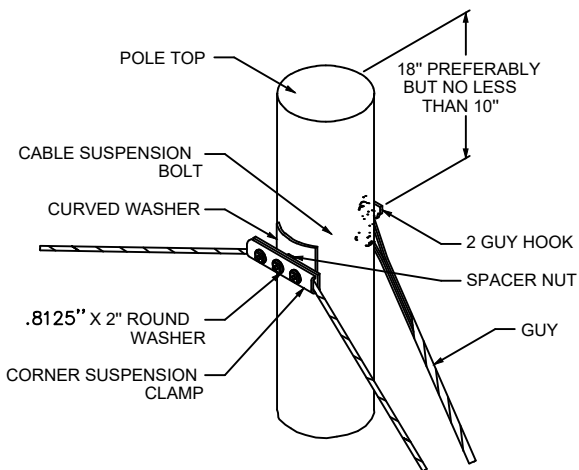
TYPICAL DETAIL "B"

POLE ARRANGEMENT FOR REPEATER  
OR HANDHOLE LOCATION



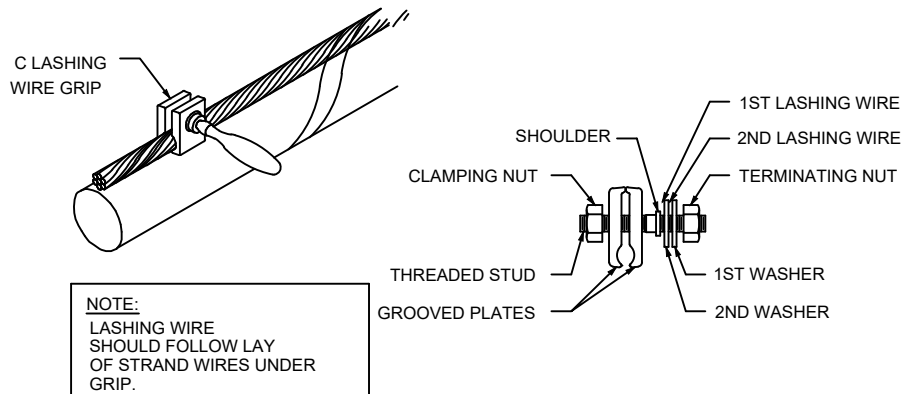
TYPICAL DETAIL "E"

SUSPENSION STRAND - PULL AWAY  
FROM POLE - 5 FEET OR MORE



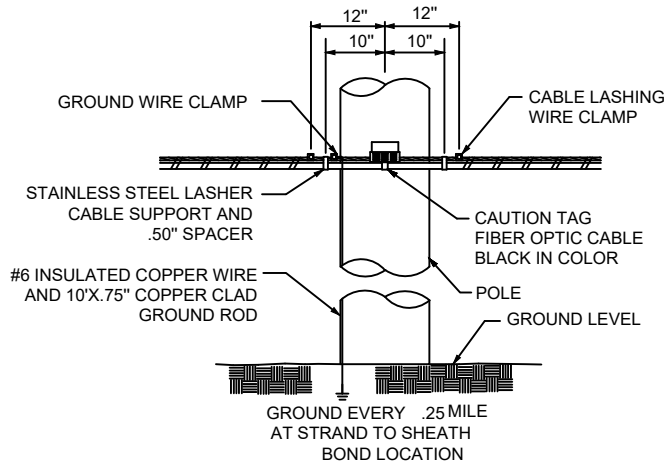
TYPICAL DETAIL "H"

LASHING WIRE GRIP AND CLAMP



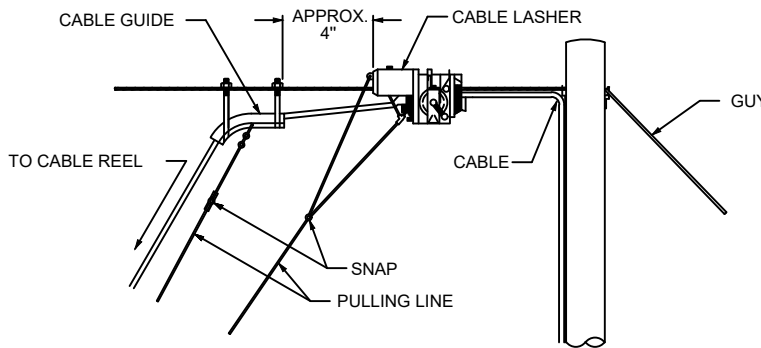
TYPICAL DETAIL "C"

TYPICAL CABLE & HARDWARE  
INSTALLATION



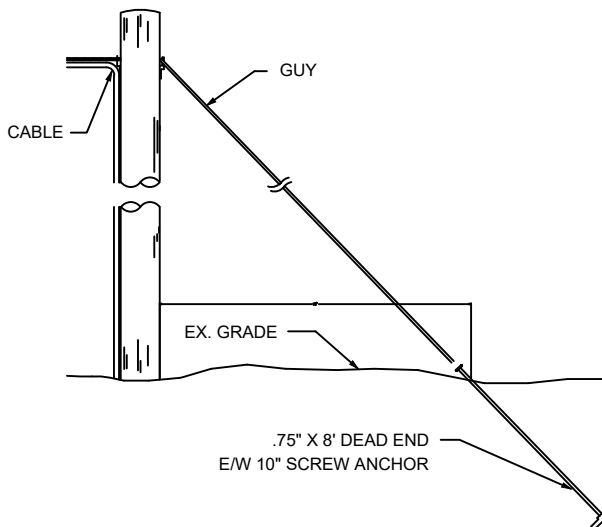
TYPICAL DETAIL "F"

TYPICAL ARRANGEMENT OF  
CABLE LASHER AND CABLE GUIDE



TYPICAL DETAIL "I"

ANCHOR & DOWN GUY



MCImetro

PROJECT: P-505044-UG1

SHOOK RD

COLUMBUS, OH

PLANS PREPARED BY:

GIOMARE GROUP, LLC

TELECOM CONSULTING & ENGINEERING

MCImetro

ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

FACILITIES RELOCATION

SHOOK RD

DATE: 04/14/2025

ENGINEER: HS

DRAWN BY: ZS

REVISIONS

DATE	DESCRIPTION	INITIAL

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SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP TO MP

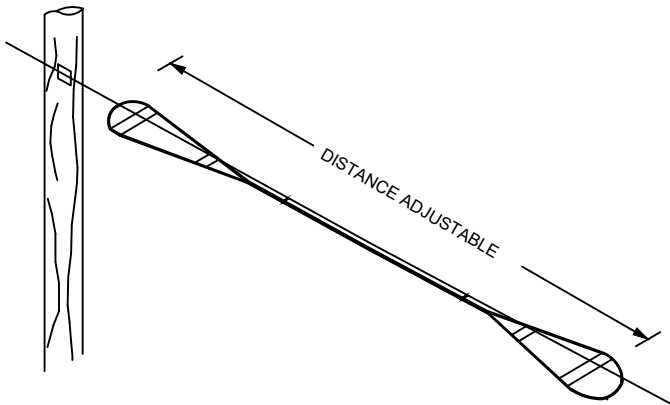
SHEET 7 OF 17.3

FILE: P-505044-2404AD0A-UG1\_04142025

AERIAL IN-LINE SLACK STORAGE DETAILS

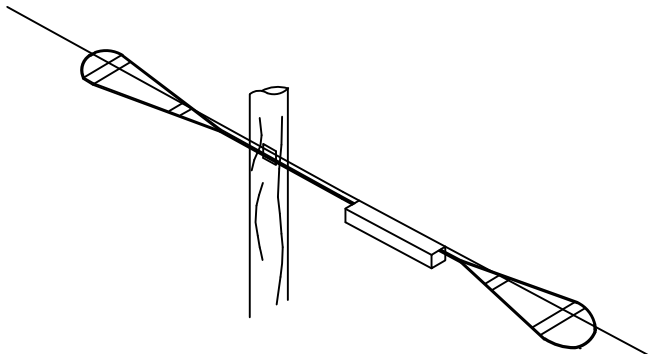
TYPICAL DETAIL "A"

RESERVE CABLE LENGTH  
STRAND STORAGE APPLICATION



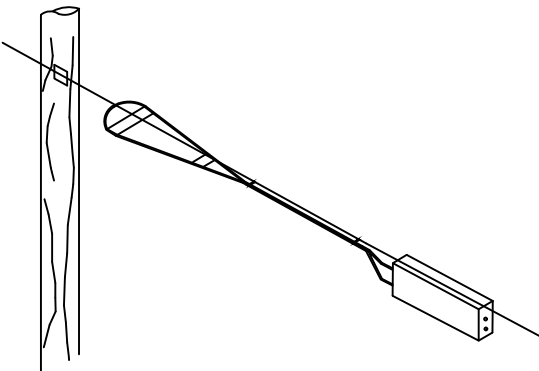
TYPICAL DETAIL "B"

IN-LINE SPLICE APPLICATION



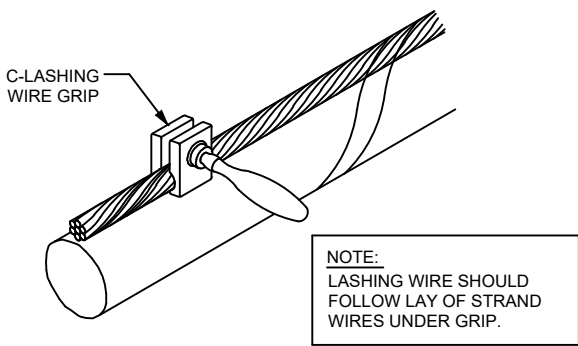
TYPICAL DETAIL "C"

BUTT SPLICE APPLICATION



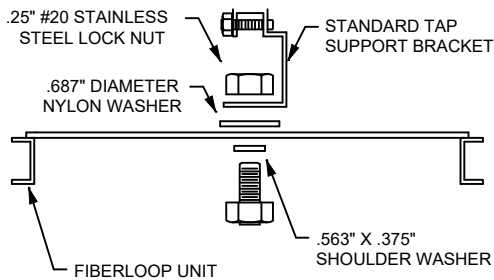
TYPICAL DETAIL "D"

LASHING WIRE GRIP AND CLAMP C-LASHING  
WIRE GRIP INSTALLED ON STRAND



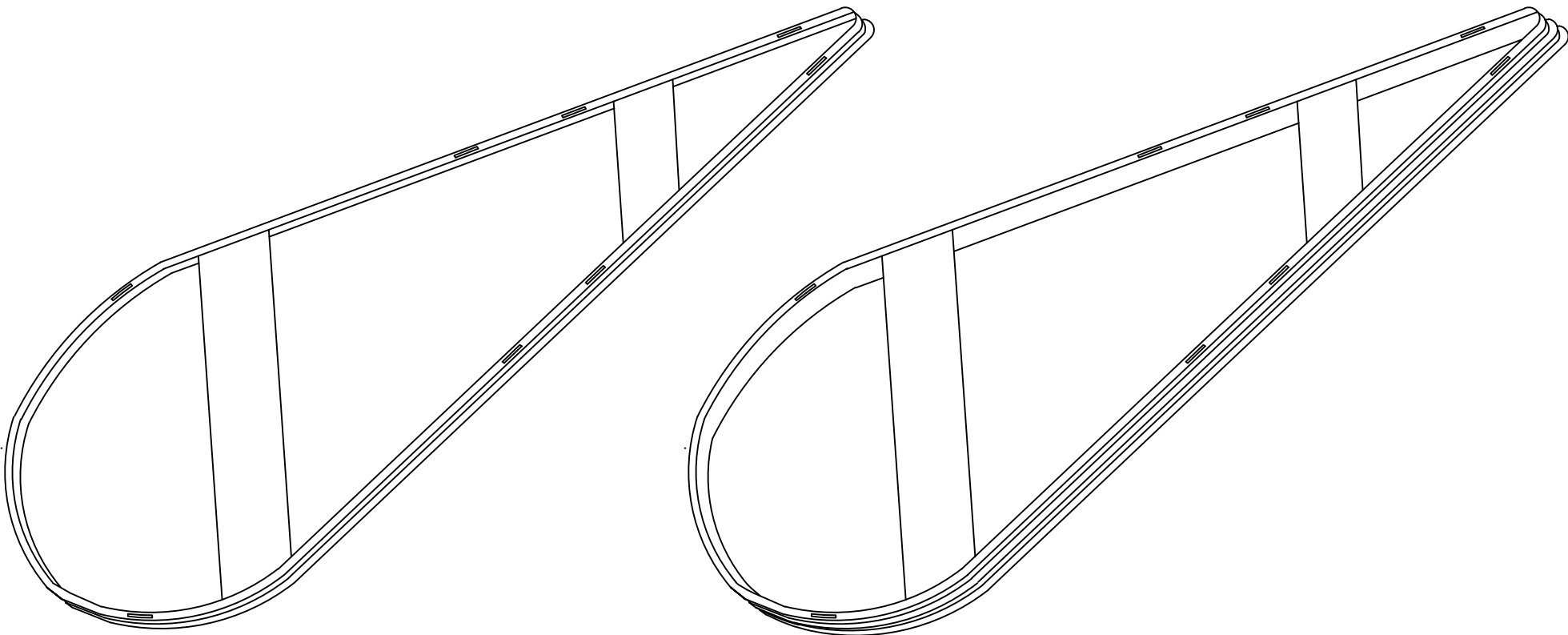
TYPICAL DETAIL "E"

HARDWARE KIT



TYPICAL DETAIL "F"

SINGLE & DOUBLE FIBER LOOPS

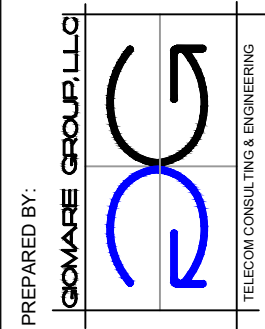


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PROJECT: P-505044-UG1

SHOOK RD

COLUMBUS, OH



PLANS PREPARED BY:

MCImetro  
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION  
FACILITIES RELOCATION

SHOOK RD

DATE: 04/14/2025

ENGINEER: HS

DRAWN BY: ZS

REVISIONS

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SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP TO MP

SHEET 8 OF 17.3

FILE: P-505044-2404ADOA-UG1\_04142025

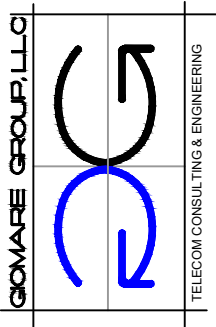


# ***MCImetro***

SHOOK RD

COLUMBUS, OH

PLANS PREPARED BY:



MCImetro  
MISSION SERVICES, LLC

## OUTSIDE PLANT CONSTRUCTION

## FACILITIES RELOCATION

SHOOK RD

DRAWN BY: ZS

[illegible]

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VERTICAL: N/A

MP TO MP

SHEET 9.1 OF 17.3

FILE: P-505044-2404ADOA-UG1\_04142025

SEE SURFACE REPLACEMENT DETAIL

TRENCH

12" TYP

EXISTING GRADE

38" BOTTOM OF TRENCH

GRAVEL 6" LIFTS TO BASE COURSE

24" MIN

10" MIN 18" MAX

6" WIDE EXTRA STRENGTH NON-DETECTABLE WARNING TAPE ACP PART NUMBER 401004N-ND LABELED: "CAUTION, BEFORE DIGGING CALL 888-DIG-SAFE, MCI CABLE BURIED BELOW"

MCI CONDUITS (1) 2" HDPE SDR11

2500 POUND MULE TAPE (TYP.)

CONDUIT AS SPECIFIED  
E/W ANY NUMBER OF  
INNERDUCTS AND /OR  
HDPE's AS SPECIFIED

PROPOSED FIBER  
OPTIC CABLE

Diagram illustrating a trench cross-section. The trench is filled with a woven geotextile material. The top surface is labeled "EXISTING GRADE". The bottom of the trench is labeled "CONDUIT AS SPECIFIED E/W ANY NUMBER OF INNERDUCTS AND/OR HDPE's, AS SPECIFIED & FIBER OPTIC CABLE". A vertical dimension line on the left indicates a depth of "42\" MIN COVER".

1-2.375" O.D. HDPE  
EPOXIED INTO 3"  
DIAM. CORE BORE

1-2.375" O.D. HDPE

3" O.D. DIAMETER  
CORE BORE

CONCRETE OR  
ROCK HEADWALL  
(WHERE OCCURS)

EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL GAP BETWEEN 2.375" CONDUIT AND PVC SLEEVE.

A cross-sectional diagram of a road construction project. The diagram shows a road surface with a grassy area on either side. A bore pit is located on the left side of the road, containing a bore. The bore is 24 inches in diameter and is 36 inches deep. The bore is connected to a bore head on the right side of the road. The bore head is a cone-shaped structure. The bore is filled with a material labeled 'ROAD BASE'. The ground beneath the road base is labeled 'SUBSOIL'. A horizontal line representing a pipe is labeled 'MCI CONDUIT (1) 2" PIPE'. The pipe is located at the bottom of the bore pit. The diagram also shows an 'EXISTING ROAD WAY' and a 'BORE PIT'.

CONCRETE CURB AND GUTTER RESTORATION DETAILS

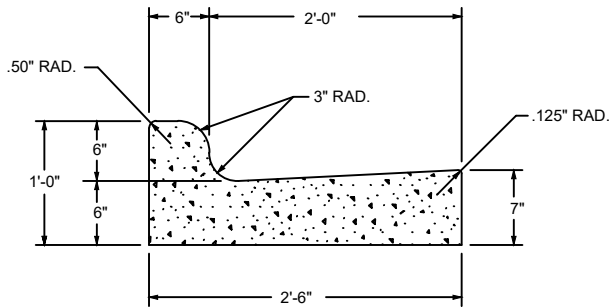
MCImetro

PROJECT: P-505044-UG1

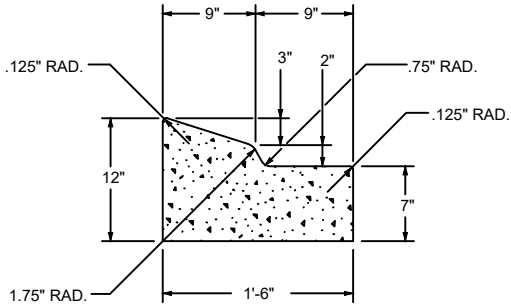
SHOOK RD

COLUMBUS, OH

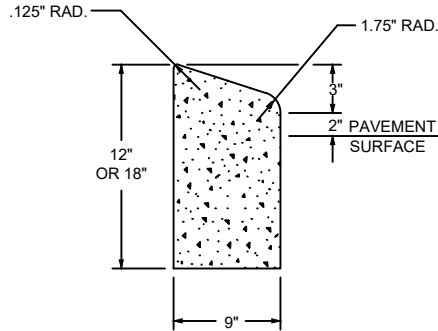
DETAIL "A"  
2'-6" CURB AND GUTTER



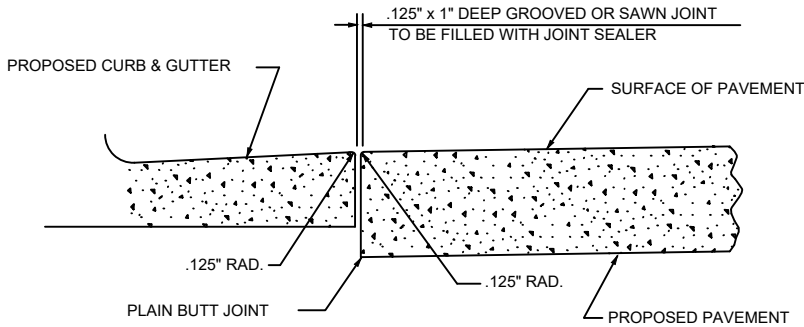
DETAIL "B"  
1'-6" CURB AND GUTTER



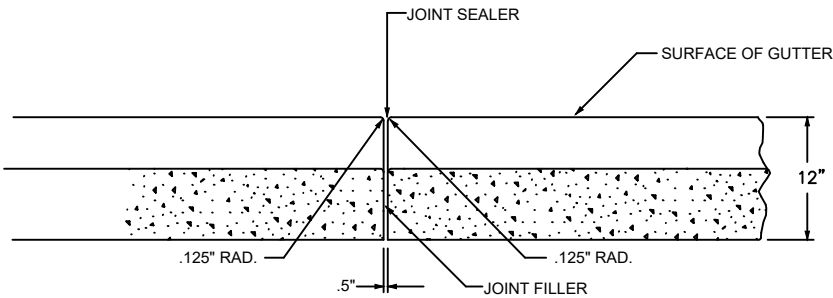
DETAIL "C"  
9"X12" OR 18" CONCRETE CURB



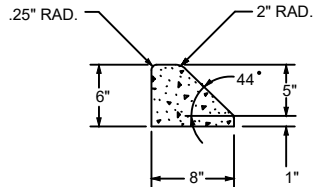
DETAIL "D"  
LONGITUDINAL PLANE  
BUTT JOINT



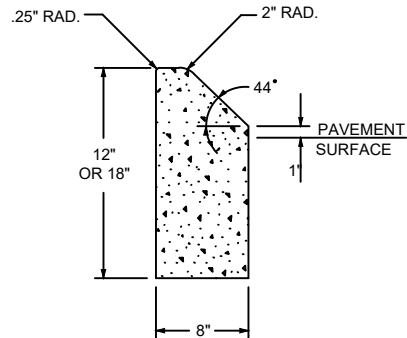
DETAIL "G"  
TRANSVERSE EXPANSION JOINT  
IN CURB AND GUTTER



DETAIL "E"  
8"X6" MEDIAN CURB

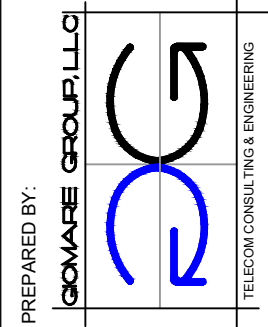


DETAIL "F"  
8"X12" OR 18" CONCRETE  
CURB



NOTES:

1. CONTRACTION JOINTS SHALL BE PLACED AT 10' INTERVALS, EXCEPT THAT A 15' SPACING MAY BE USED WHEN A MACHINE IS USED OR WHEN SATISFACTORY SUPPORT FOR THE FACE. FORM CAN BE OBTAINED WITHOUT THE USE OF TEMPLATES AT 10' INTERVALS.
2. JOINT SPACING MAY BE ALTERED IF REQUIRED BY THE ENGINEER.
3. CONTRACTION JOINTS MAY BE INSTALLED BY THE USE OF TEMPLATES OR FORMED BY OTHER APPROVED METHODS. WHERE SUCH JOINTS ARE NOT FORMED BY TEMPLATES, A MINIMUM DEPTH OF 1 1/4 " SHALL BE OBTAINED.
4. ALL CONSTRUCTION JOINTS, EXCEPT IN 8" x 6" MEDIAN CURB, SHALL BE FILLED WITH JOINT FILLER AND SEALER.
5. EXPANSION JOINTS SHALL BE SPACED AT 90' INTERVALS, AND ADJACENT TO ALL RIGID OBJECTS.



PLANS PREPARED BY:

MCImetro  
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION  
FACILITIES RELOCATION

SHOOK RD

DATE: 04/14/2025

ENGINEER: HS

DRAWN BY: ZS

REVISIONS

DATE	DESCRIPTION	INITIAL

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SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP TO MP

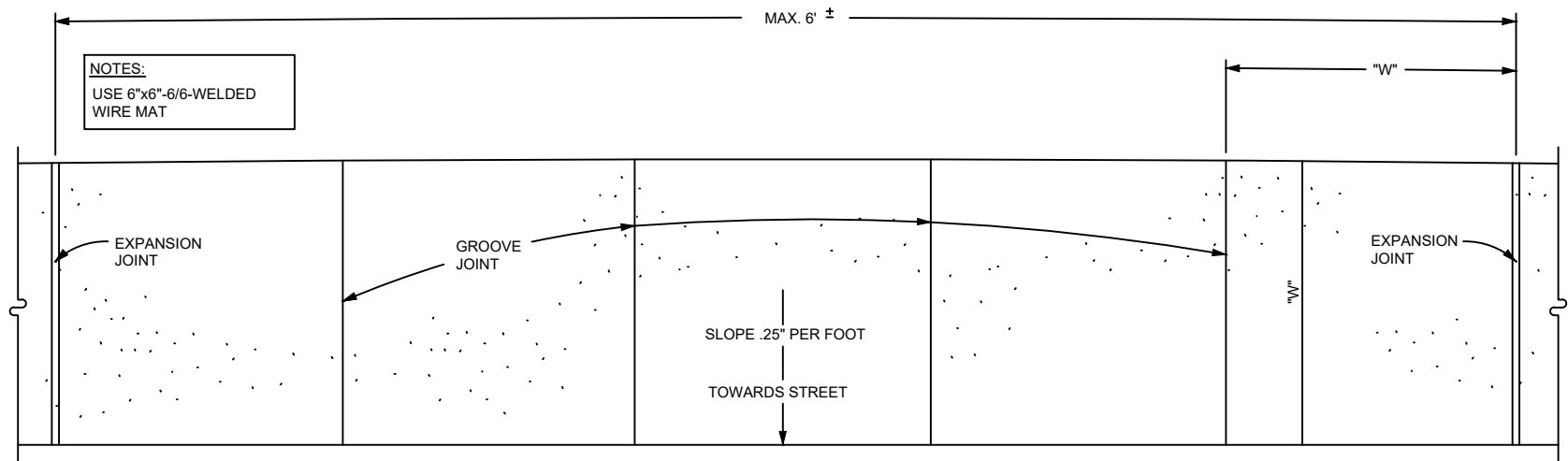
SHEET 9.2 OF 17.3

FILE: P-505044-2404AD0A-UG1\_04142025

STANDARD SIDEWALK DETAILS

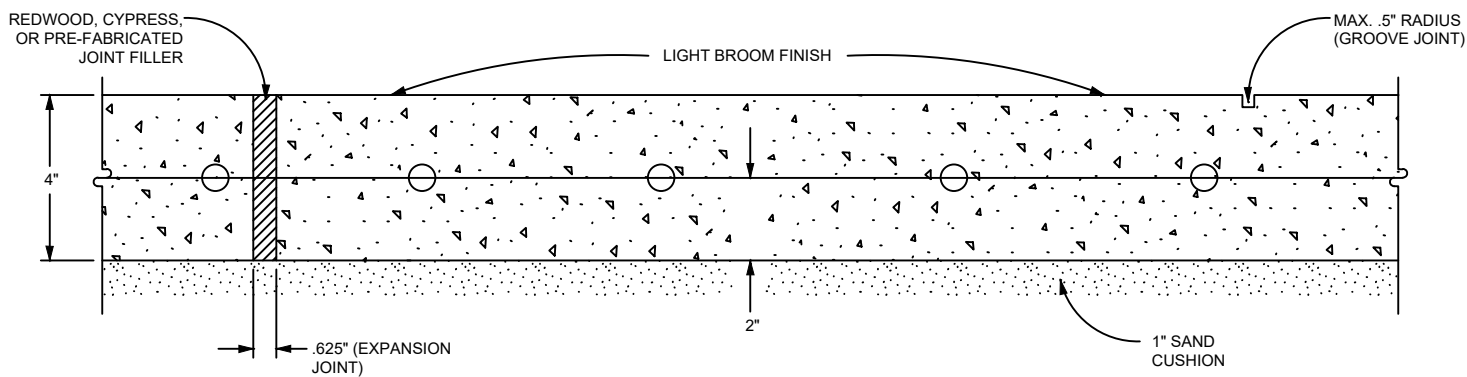
DETAIL "A"

PLAN VIEW



DETAIL "B"

PROFILE VIEW



NOTES:

1. EXPANSION JOINT IF ADJACENT TO CURB.
2. W=MINIMUM OF 5', IF WITHIN 1'-0" OF CURB.
3. MINIMUM "W"=4 FEET.

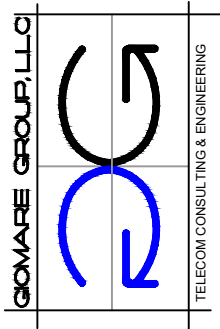
MCImetro

PROJECT: P-505044-UG1

SHOOK RD

COLUMBUS, OH

PLANS PREPARED BY:



ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

FACILITIES RELOCATION

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SCALE

HORIZONTAL: N/A

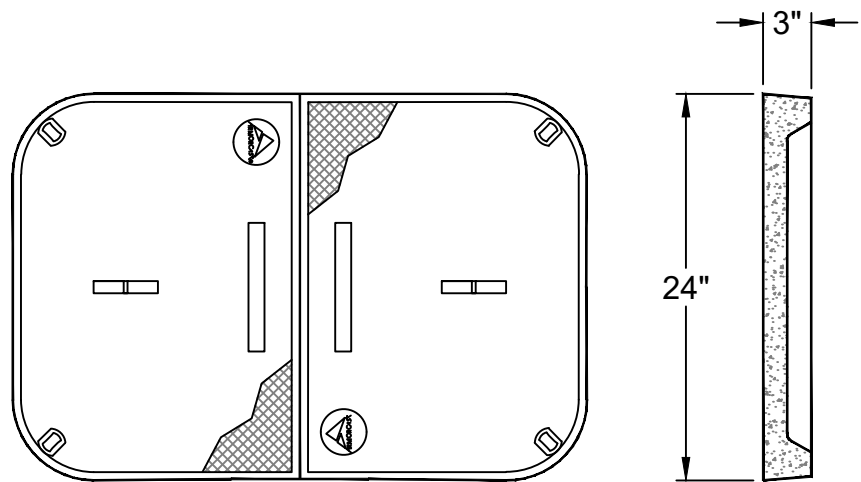
VERTICAL: N/A

MP TO MP

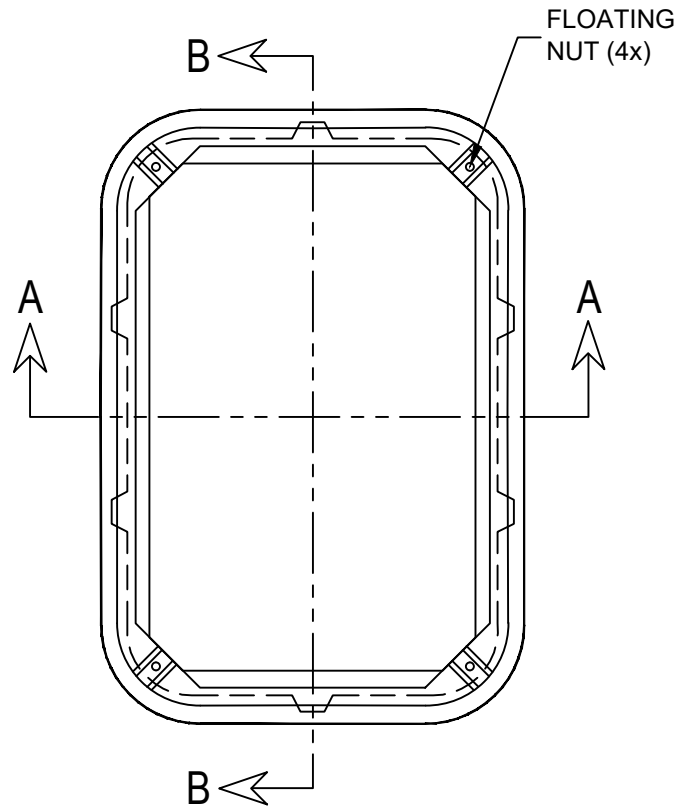
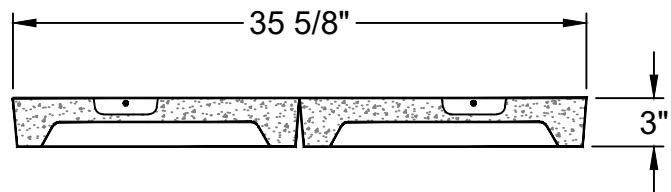
SHEET 9.3 OF 17.3

FILE: P-505044-2404ADOA-UG1\_04142025

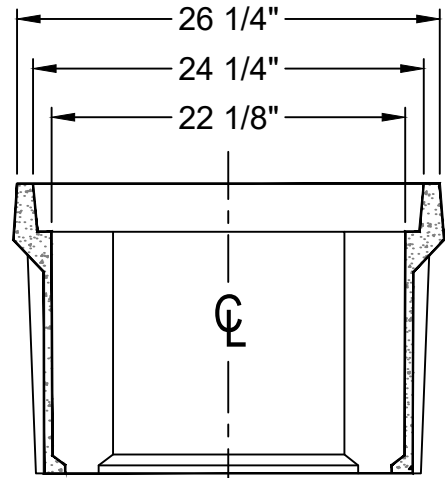
24" x 36" x 24" HANDHOLE DETAILS



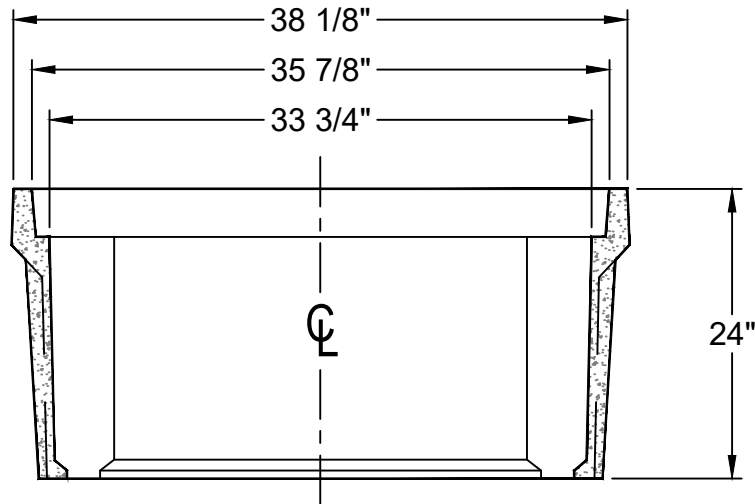
2 PIECE COVER  
POLYMER CONCRETE COVER



PLAN VIEW



SECTION A-A



SECTION B-B

20K STANDARD HANDHOLE

MEETS SCTE/ANSI 77- TIER 22 LOADING  
CRITERIA  
ADDITIONAL REQUIREMENTS:  
DESIGN LOAD: 20,000 LBS  
MINIMUM FAILURE LOAD: 45,000 LBS

MCImetro

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SCALE

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VERTICAL: N/A

MP TO MP

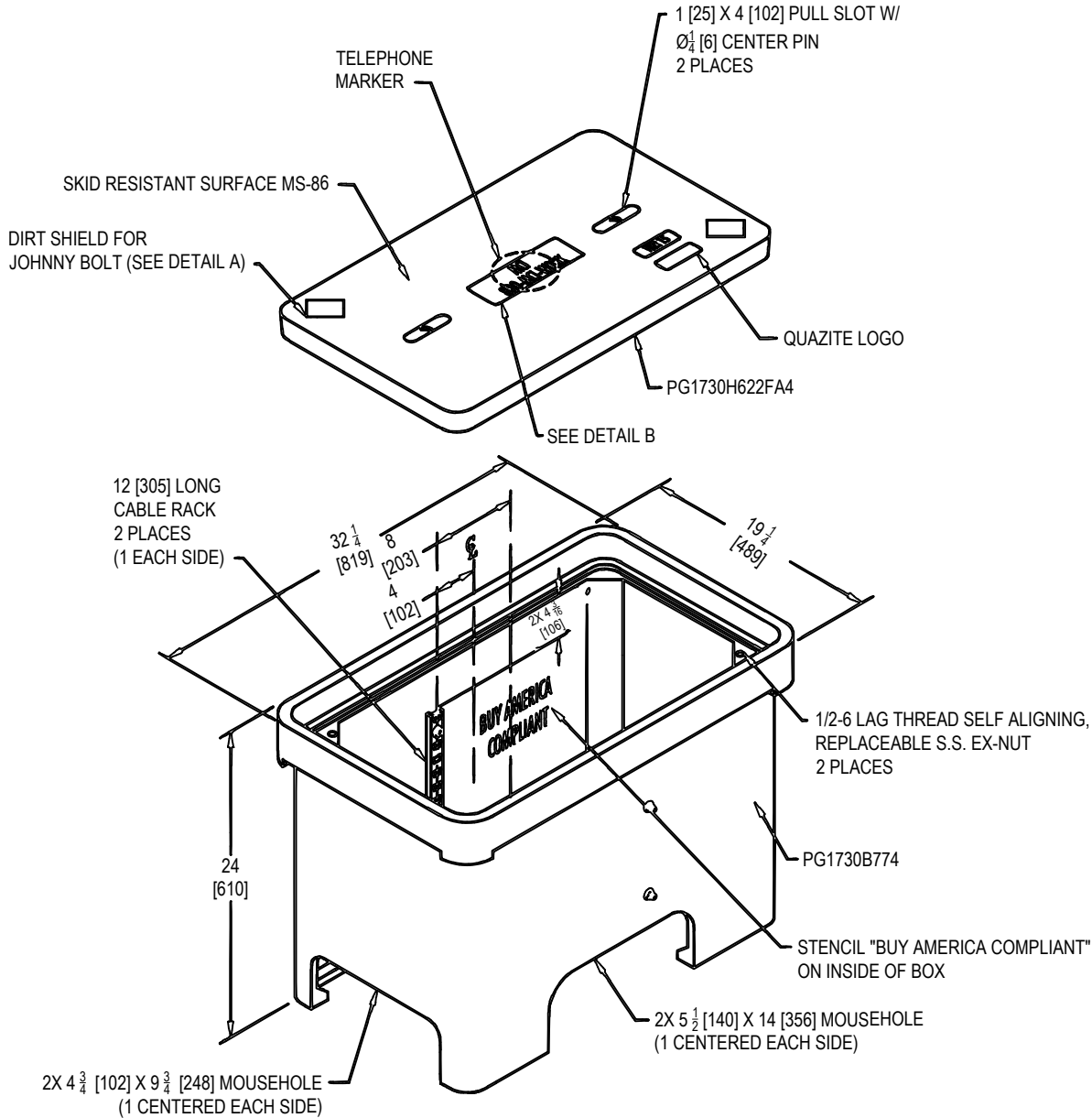
SHEET 10.1 OF 17.3

FILE: P-505044-2404ADOA-UG1\_04142025

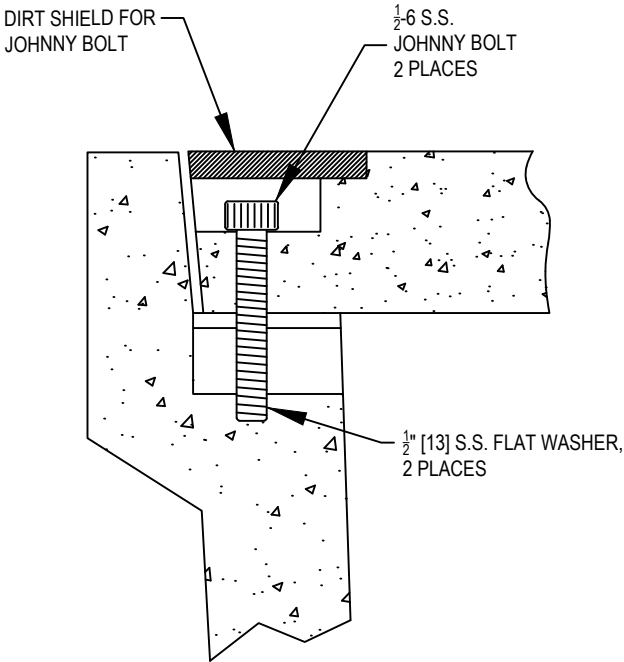
17" x 30" x 24" HANDHOLE DETAILS

SEALED PLASTIC BAG PLACED INSIDE VAULT TO CONTAIN

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



DETAIL B



FLUSH MOUNT COVER DETAIL  
DETAIL A  
2 PLACES

- NOTES:
1. LOGO TO BE SPECIFIED: \_\_\_\_\_
2. THIS ASSEMBLY IS RATED FOR A STATIC DESIGN LOAD OF 15,000 LBS. [66,720 N] OVER A 10 [254] X 10 [254] AREA AND MUST PASS A MINIMUM STATIC TEST LOAD OF 22,500 LBS. [100,080 N].

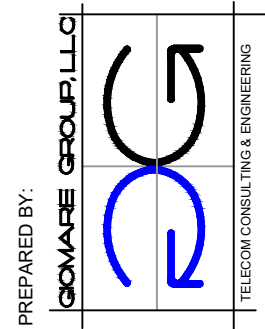
N.T.S.

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MCImetro  
ACCESS TRANSMISSION SERVICES, LLC

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SCALE

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VERTICAL: N/A

MP TO MP

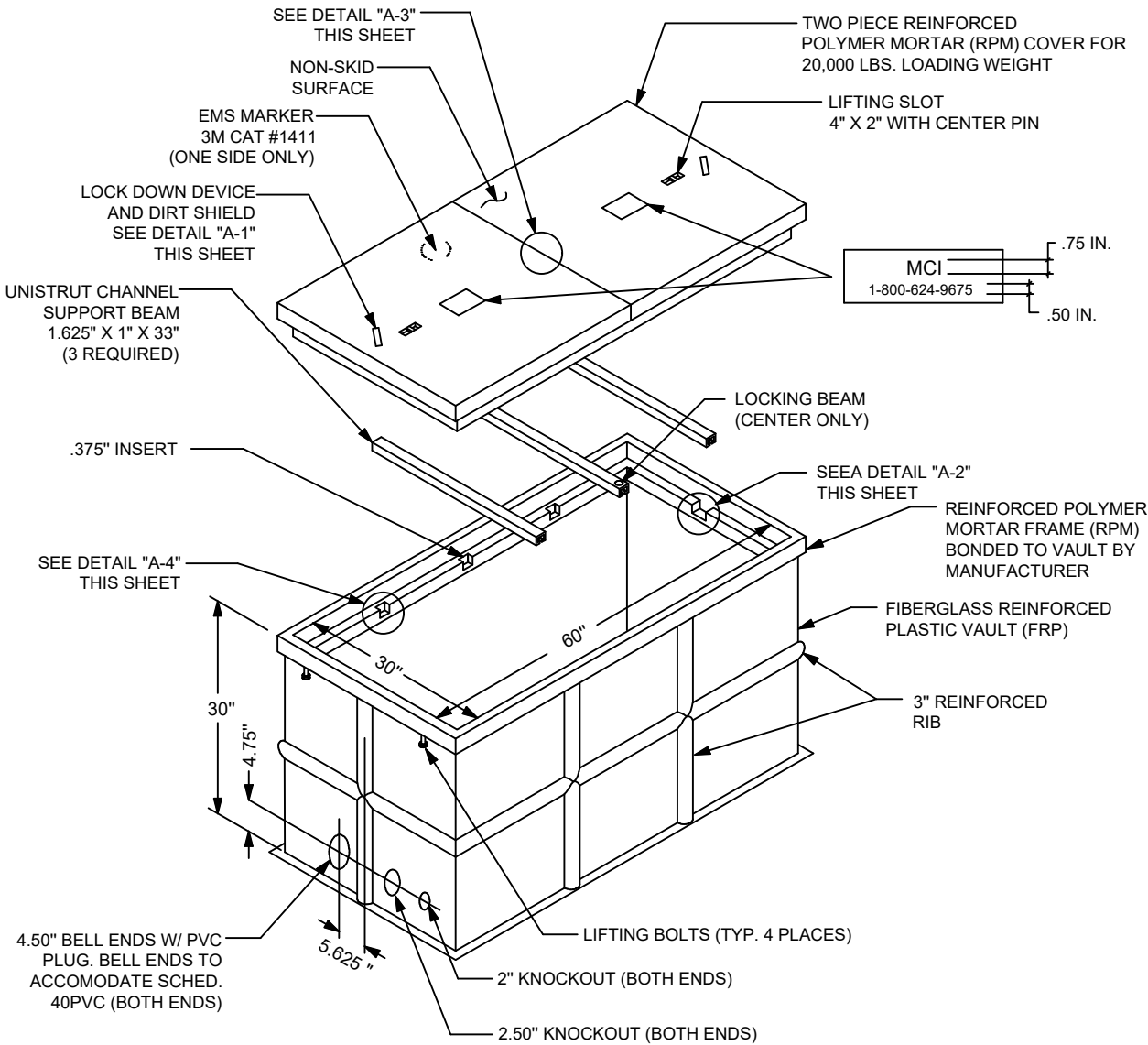
SHEET 10.2 OF 17.3

FILE: P-505044-2404ADOA-UG1\_04142025

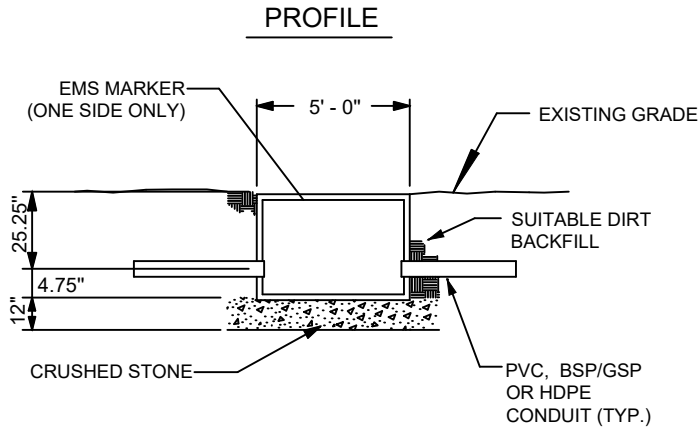
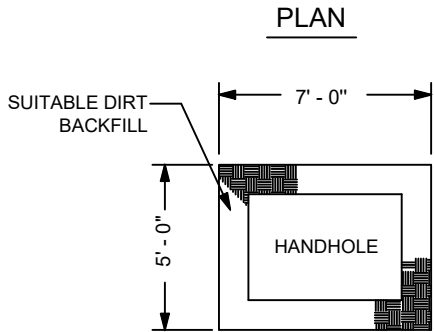


30"x60"x30" HANDHOLE DETAILS

DETAIL "A"  
EXPLODED ISOMETRIC DETAIL

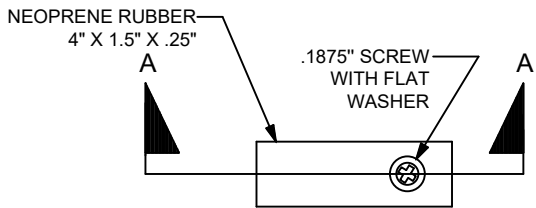


DETAIL "C"  
EXCAVATION PIT



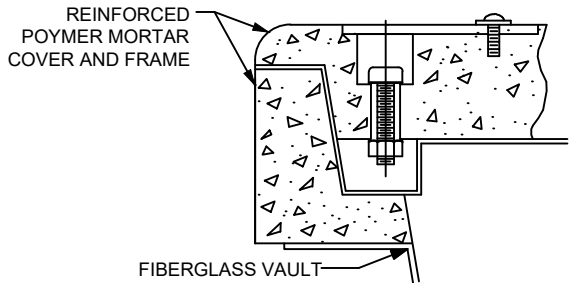
DETAIL "A-1"

LOCK DOWN DEVICE



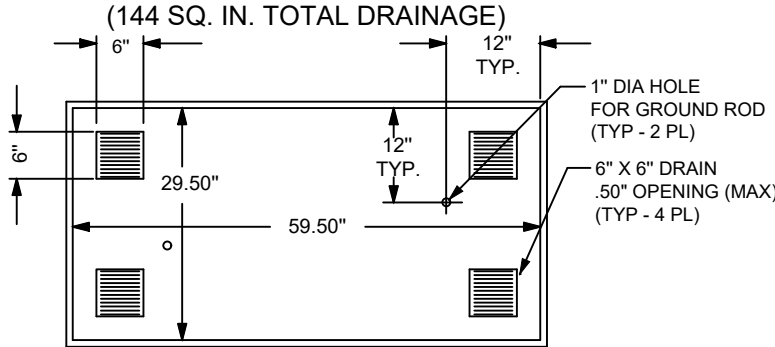
SECTION A-A

LOCKING DEVICE  
CROSS SECTION



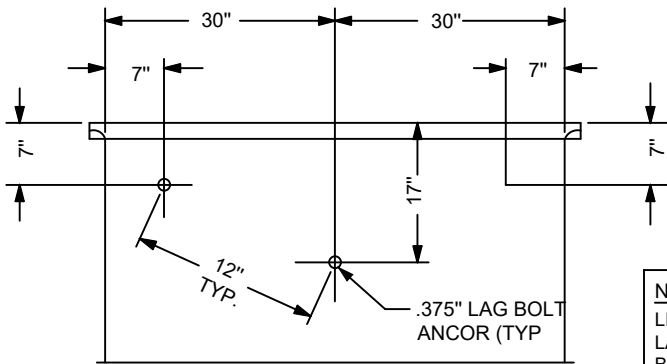
DETAIL "B"

VAULT BOTTOM  
PLAN VIEW



DETAIL "D"

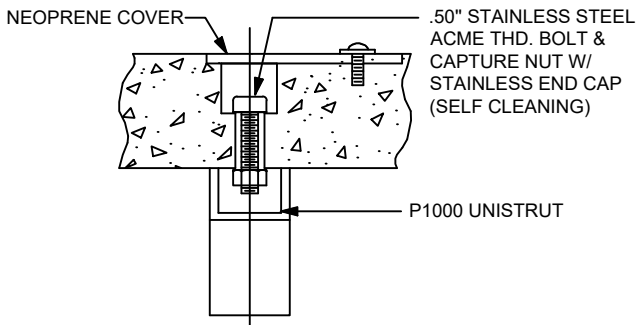
SIDE WALL VIEW  
INSIDE LOOKING OUT



NOTE:  
LINEAR DISTANCE BETWEEN LAG BOLT ANCHORS MUST BE 25"

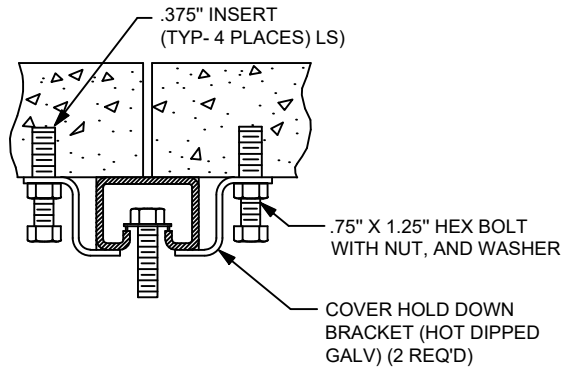
DETAIL "A-2"

ENGAGED LOCK  
DOWN DEVICE



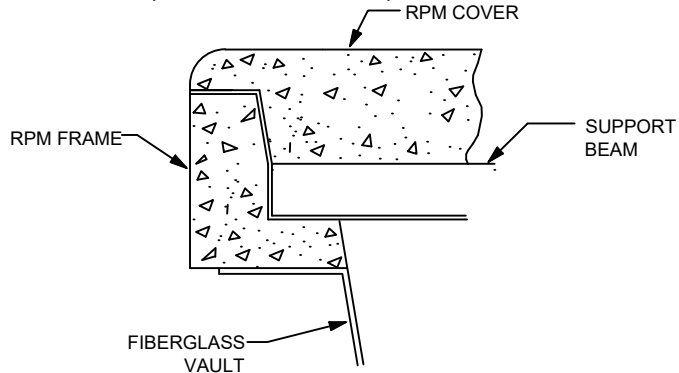
DETAIL "A-3"

COVER HOLD DOWN BRACKET  
OF 2-PIECE RPM COVER



DETAIL "A-4"

SUPPORT BEAM  
INSTALLATION  
(TYP AT 6 PLACES)



NOTES:

- VOID IN EXCAVATED AREAS TO BE BACKFILLED WITH SELECT MATERIAL.
- BOTTOM OF EXCAVATED PIT TO BE BACKFILLED WITH 12" OF CRUCHED STONE (.75" GRADE).
- SHORING WILL BE REQUIRED.
- ALL HANDHOLES SHALL BE PLACED BELOW EXISTING GRADE.
- THIS HANDHOLE IS OF FIBERGLASS MATERIAL, APPROXIMATELY POUNDS IN WEIGHT. THE LIDS ARE POLYMER CONCRETE MATERIAL, EACH APPROXIMATELY POUNDS

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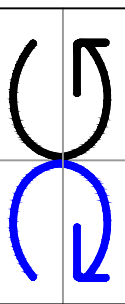
PROJECT: P-505044-UG1

SHOOK RD

COLUMBUS, OH

PLANS PREPARED BY:

GIOMARE GROUP, LLC



TELECOM CONSULTING & ENGINEERING

MCImetro  
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

FACILITIES RELOCATION

SHOOK RD

DATE: 04/14/2025

ENGINEER: HS

DRAWN BY: ZS

REVISIONS

DATE	DESCRIPTION	INITIAL

SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP TO MP

SHEET 10.3 OF 17.3

FILE: P-505044-2404AD0A-UG1\_04142025

TUBULAR MARKER DETAILS

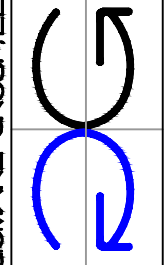
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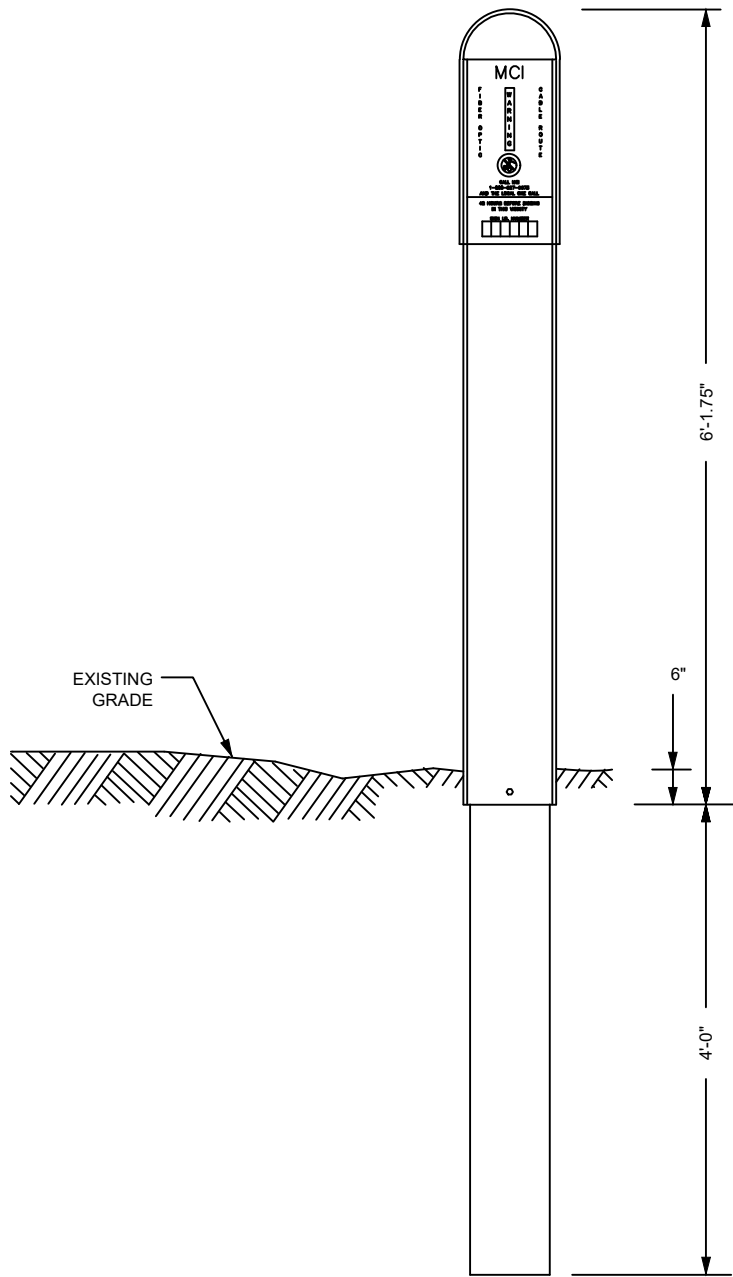
SHOOK RD

DATE: 04/14/2025		
ENGINEER: HS		
DRAWN BY: ZS		
REVISIONS		
DATE	DESCRIPTION	INITIAL

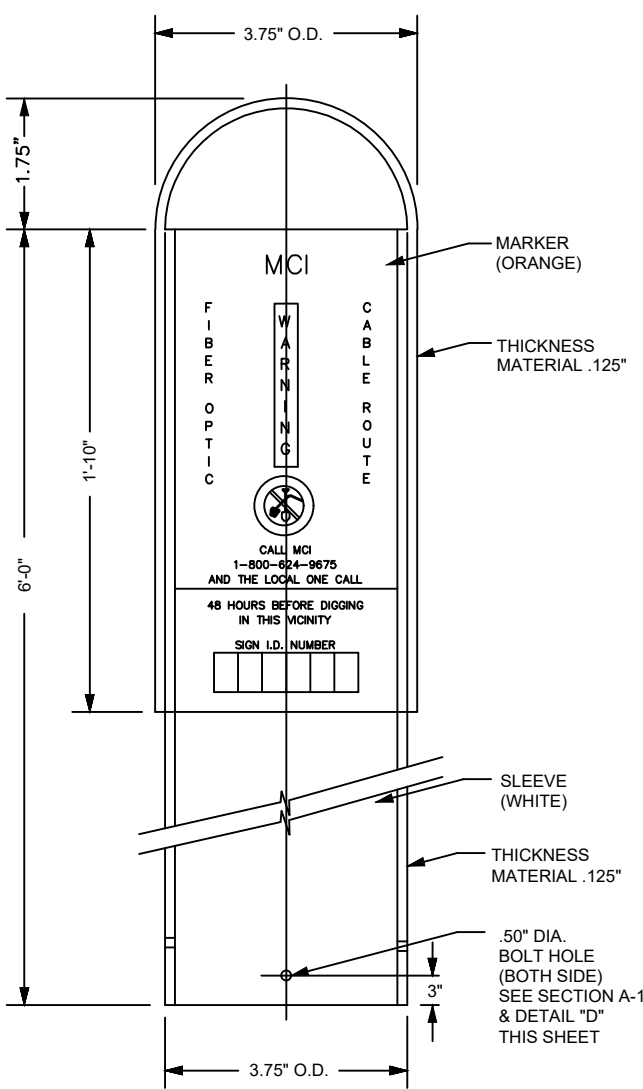
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SCALE		
HORIZONTAL:	N/A	
VERTICAL:	N/A	
MP	TO MP	
SHEET	11	OF 17.3
FILE: P-505044-2404ADOA-UG1_04142025		

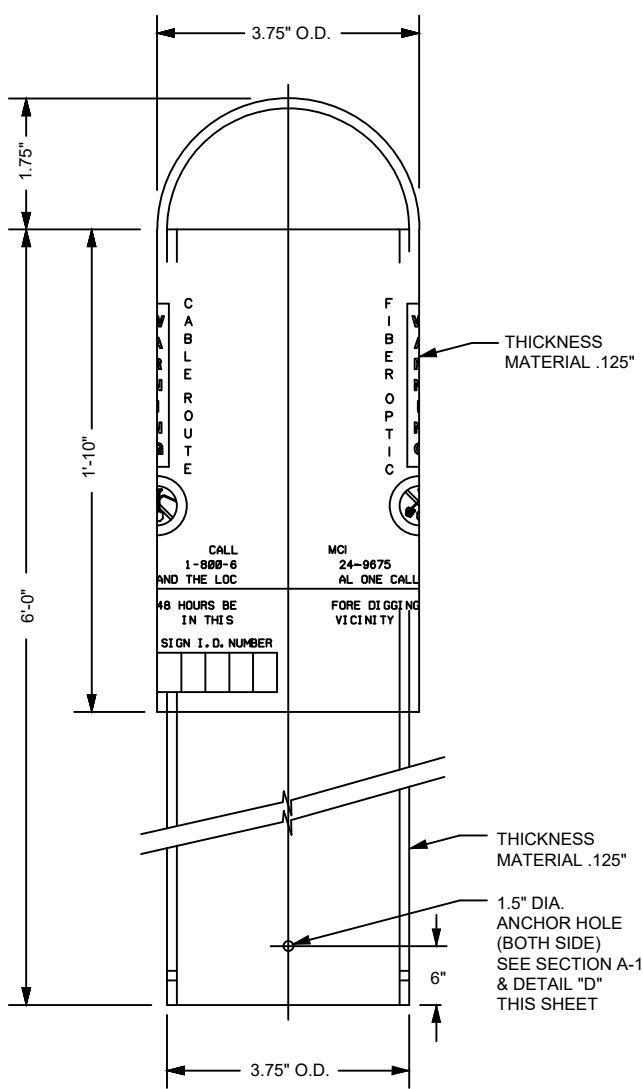
DETAIL "A"  
INSTALLATION VIEW



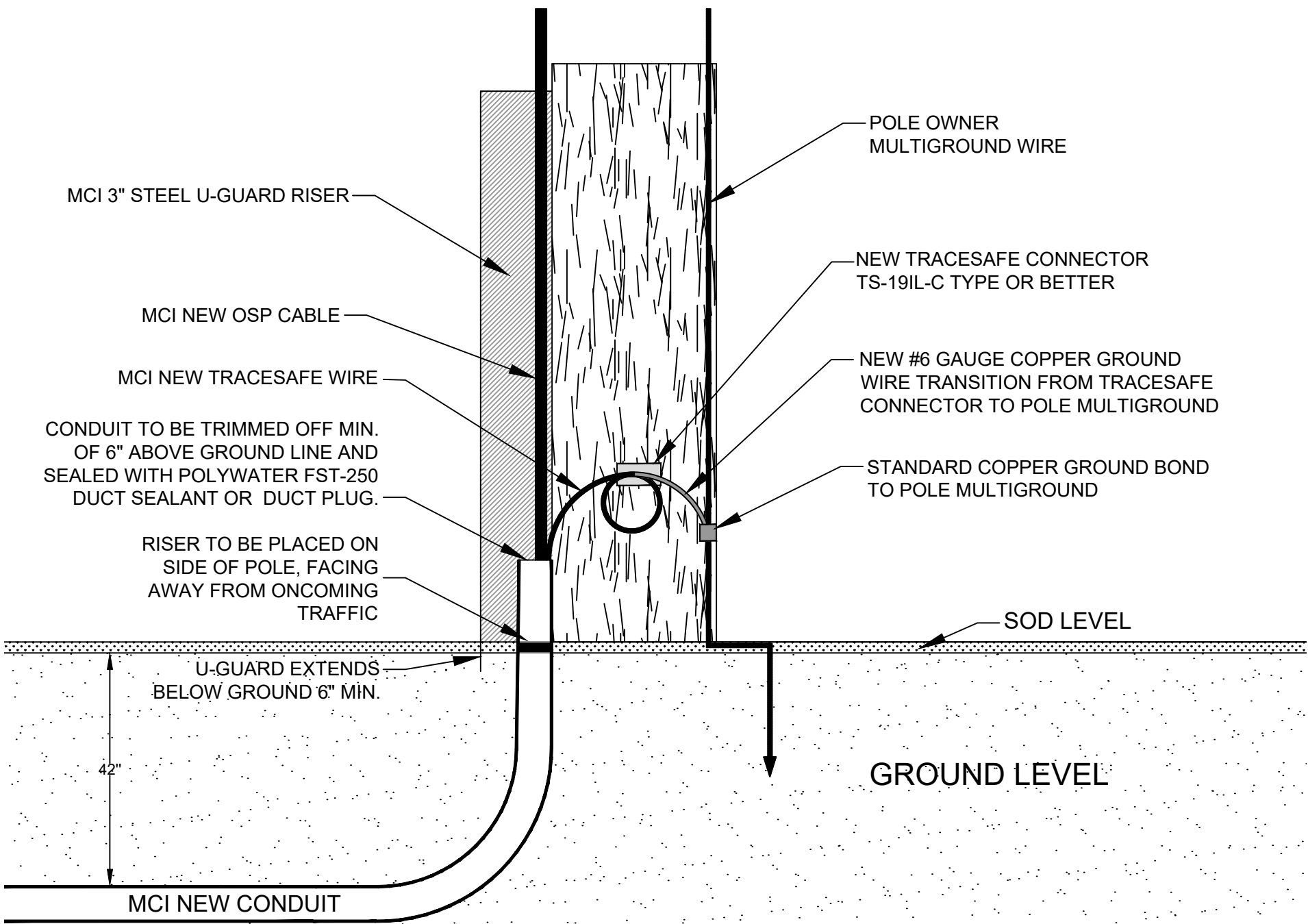
DETAIL "B"  
FRONT VIEW



DETAIL "C"  
SIDE VIEW



RISER SPECIFICATION DETAILS AND TRACESAFE TERMINATION



**MCImetro**

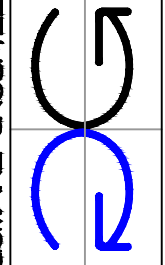
PROJECT: P-505044-UG1

SHOOK RD

COLUMBUS, OH

PLANS PREPARED BY:

GIOMARE GROUP, LLC



TELECOM CONSULTING & ENGINEERING

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ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

FACILITIES RELOCATION

SHOOK RD

DATE: 04/14/2025

ENGINEER: HS

DRAWN BY: ZS

REVISIONS		
DATE	DESCRIPTION	INITIAL

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SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP TO MP

SHEET 12 OF 17.3

FILE: P-505044-2404ADOA-UG1\_04142025



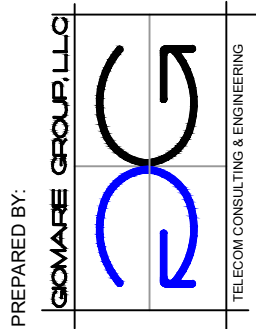
MISSING UTILITIES NOT PROVIDED THROUGH OH811  
REQUEST #B508601261-00B ALL UTILITIES MUST BE  
MARKED AND FLAGGED BEFORE CONSTRUCTIONS BEGINS



MCImetro

PROJECT: P-505044-UG1

SHOOK RD  
COLUMBUS, OH



PLANS PREPARED BY:

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ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

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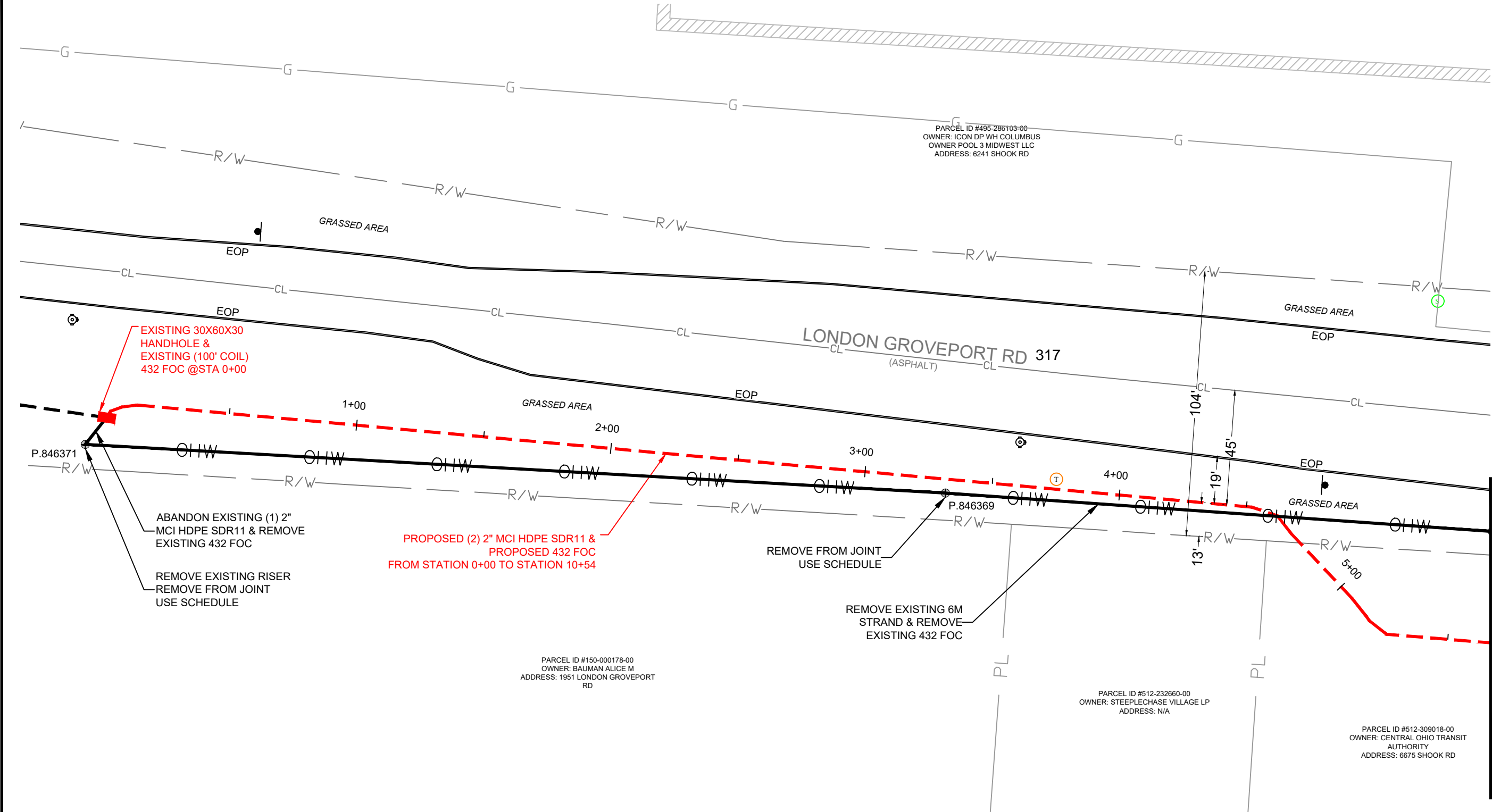
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VERTICAL: N/A

MP TO MP

SHEET 13 OF 17.3

FILE: P-505044-2404ADOA-UG1\_04142025



SEE SHEET 14 TO MATCH SURVEY STA 5+66

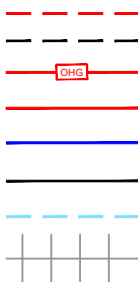
PARCEL ID #150-000178-00  
OWNER: BAUMAN ALICE M  
ADDRESS: 1951 LONDON GROVEPORT RD

PARCEL ID #512-232660-00  
OWNER: STEEPLECHASE VILLAGE LP  
ADDRESS: N/A

PARCEL ID #512-309018-00  
OWNER: CENTRAL OHIO TRANSIT  
AUTHORITY  
ADDRESS: 6675 SHOOK RD

LEGEND:

DISCLAIMER: SYMBOLS ARE  
NOT TO SCALE AND ARE FOR  
REFERENCING PURPOSES  
ONLY

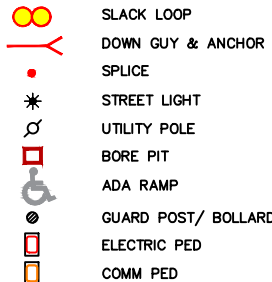


PROPOSED CONDUIT  
EXISTING CONDUIT  
PROPOSED OVERHEAD GUY WIRE  
PROPOSED FIBER OPTIC CABLE  
PROPOSED FIBER OPTIC TAIL  
EXISTING FIBER OPTIC CABLE  
FUTURE FIBER OPTIC CABLE  
RAILROAD TRACKS

STORM SEWER  
SANITARY SEWER  
WATER  
ELECTRIC  
GAS  
STREET LIGHTING  
TELECOM  
SHRUBS/BUSHES



PROPOSED HANDHOLE  
STORM DRAIN  
FIRE HYDRANT  
TRAFFIC SIGN  
TRAFFIC POLE  
VALVE  
RR SIGNAL  
MAILBOX  
CROSS WALK SIGNAL  
ELECTRIC CABINET  
COMM CABINET



SLACK LOOP  
DOWN GUY & ANCHOR  
SPICE  
STREET LIGHT  
UTILITY POLE  
BORE PIT  
ADA RAMP  
GUARD POST/ BOLLARD  
ELECTRIC PED  
COMM PED

CATV MH  
ELECTRIC MH  
SEWER MH  
TELEPHONE MH  
UNKNOWN MH  
GAS HH  
ELECTRIC HH  
HANDHOLE  
TRAFFIC HH  
COMM HH  
PROPOSED MH

RIGHT OF WAY LINES WERE ESTABLISHED BY RESEARCH OF PUBLIC INFORMATION. NO BOUNDARY SURVEY OR PROPERTY LINE SURVEY WAS ESTABLISHED BY. RIGHT OF WAY BOUNDARY MUST BE FIELD VERIFIED BY A REGISTERED PROFESSIONAL LAND SURVEYOR TO ACCURATELY VERIFY RIGHT OF WAY PROPERTY LINES PRIOR TO CONSTRUCTION.

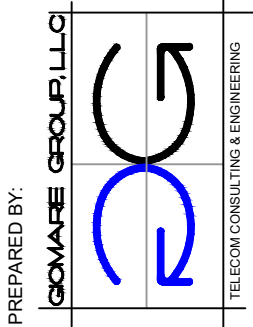
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PROJECT: P-505044-UG1

SHOOK RD  
COLUMBUS, OH



PLANS PREPARED BY:

GIOMARE GROUP, LLC

OUTSIDE PLANT CONSTRUCTION

FACILITIES RELOCATION

SHOOK RD

DATE: 04/14/2025

ENGINEER: HS

DRAWN BY: ZS

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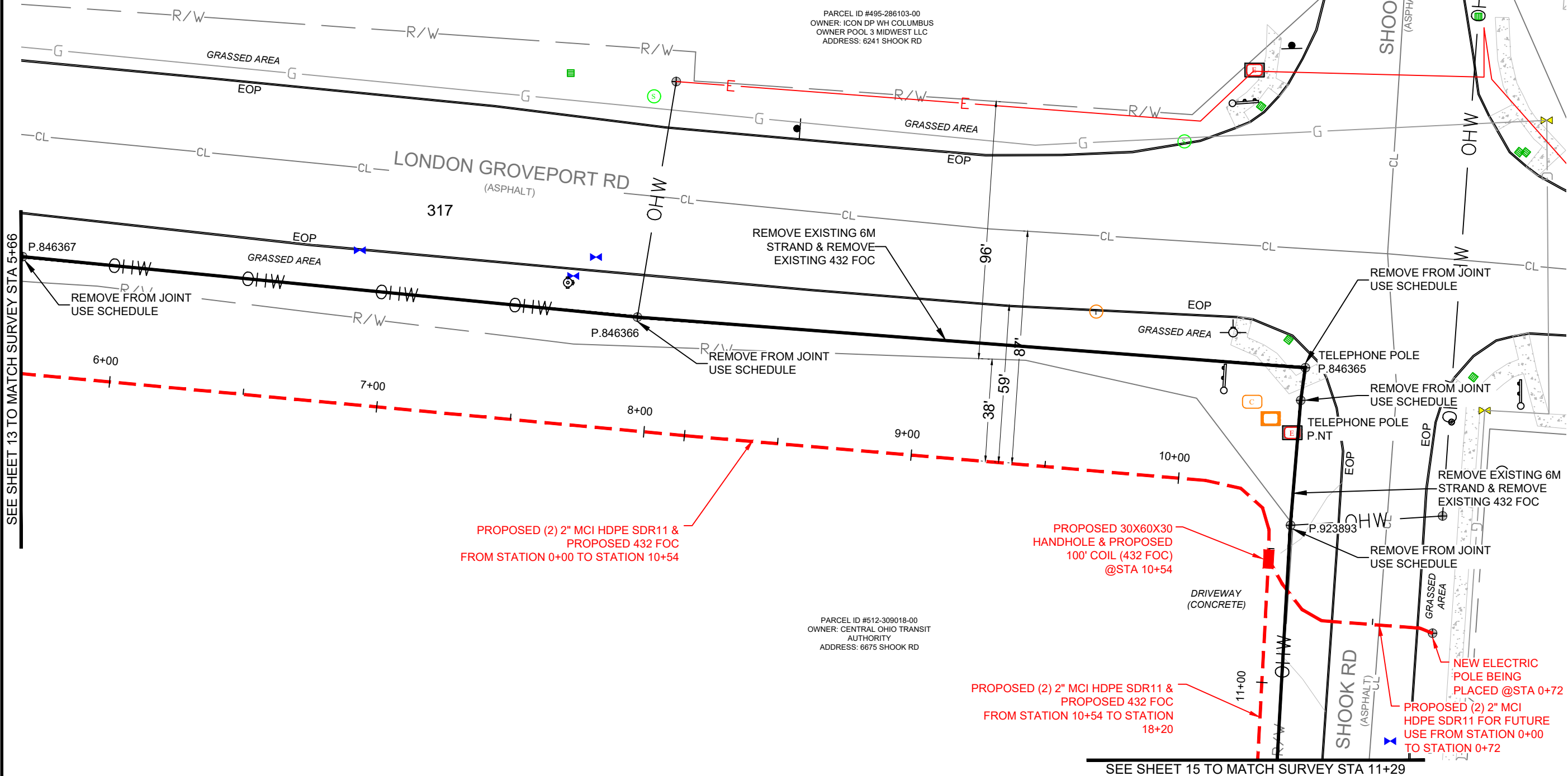
HORIZONTAL: 1:30

VERTICAL: N/A

MP TO MP

SHEET 14 OF 17.3

FILE: P-505044-2404ADOA-UG1\_04142025



SEE SHEET 13 TO MATCH SURVEY STA 5+66

SEE SHEET 15 TO MATCH SURVEY STA 11+29

LEGEND:

DISCLAIMER: SYMBOLS ARE NOT TO SCALE AND ARE FOR REFERENCING PURPOSES ONLY

	PROPOSED CONDUIT		STORM SEWER		PROPOSED HANDHOLE		SLACK LOOP		CATV MH
	EXISTING CONDUIT		SANITARY SEWER		STORM DRAIN		DOWN GUY & ANCHOR		ELECTRIC MH
	PROPOSED OVERHEAD GUY WIRE		WATER		FIRE HYDRANT		SPLICE		SEWER MH
	PROPOSED FIBER OPTIC CABLE		ELECTRIC		TRAFFIC SIGN		STREET LIGHT		TELEPHONE MH
	PROPOSED FIBER OPTIC TAIL		GAS		TRAFFIC POLE		UTILITY POLE		UNKNOWN MH
	EXISTING FIBER OPTIC CABLE		STREET LIGHTING		VALVE		BORE PIT		ELECTRIC HH
	FUTURE FIBER OPTIC CABLE		TELECOM		RR SIGNAL		ADA RAMP		HANDHOLE
	RAILROAD TRACKS		SHRUBS/BUSHES		MAILBOX		GUARD POST/ BOLLARD		TRAFFIC HH
					CROSS WALK SIGNAL		ELECTRIC PED		COMM HH
					ELECTRIC CABINET		COMM PED		PROPOSED MH
					COMM CABINET				

RIGHT OF WAY LINES WERE ESTABLISHED BY RESEARCH OF PUBLIC INFORMATION. NO BOUNDARY SURVEY OR PROPERTY LINE SURVEY WAS ESTABLISHED BY RIGHT OF WAY BOUNDARY MUST BE FIELD VERIFIED BY A REGISTERED PROFESSIONAL LAND SURVEYOR TO ACCURATELY VERIFY RIGHT OF WAY PROPERTY LINES PRIOR TO CONSTRUCTION.

MCImetro  
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

FACILITIES RELOCATION

MARE

GMG PROJECT P-505044-UG1

EWO: 2404ADOA

ADDRESS: SHOOK RD

COLUMBUS, OH

PROJECT NAME:

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PAGE 017.1-017.3: SITE / ISP DETAILS



LOCATION MAP  
COLUMBUS, OH



**MCImetro**

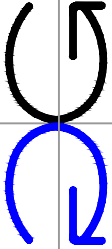
PROJECT: P-505044-UG1

SHOOK RD

COLUMBUS, OH

PLANS PREPARED BY:

GIOMARE GROUP, LLC



TELECOM CONSULTING & ENGINEERING

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ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION  
FACILITIES RELOCATION

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SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP      TO MP

SHEET    2    OF    17.3

FILE: P-505044-2404ADOA-UG1\_04142025



CONTACT SHEET & PERMIT SUMMARY

MCI METRO BUSINESS

PROJECT ENGINEER

MAURICE JONES (740) 879-5259  
BRIAN ANSEL (216) 346-2051

CONSTRUCTION / RESTORATION CONTRACTOR

NAME OF FIRM: THAYER  
  
KERRY MOATS kerrymoats@thayerpc.com (614) 212-6576

ENGINEERING CONTRACTOR

NAME OF FIRM: GIOMARE GROUP, LLC  
  
OSP FIELD MANAGER: CHRIS MILLER cmillerr@giomaregroup.com  
PROJECT MANAGER: MIKE BAYLES mbayles@giomaregroup.com

ROW & LEGAL

UTILITIES

MCI UTILITY LOCATE	1-(800)624-9675
ONE CALL SYSTEM (UTILITY LOCATES)	
AT&T OHIO: JOHN GARRITY	(262)896-6552
BRAINARD GAS CORPORATION	(440)437-8600
CENTURYTEL/CENTURYLINK: TBD	
AURORAELECTRIC ILLUMINATING: REBECCA H PEPPERS	(440)546-8744
AURORAPUBLIC POWER: CHRIS HIRZEL	(216)420-7704. 122
CLEVELAND-PORTAGE COUNTY COUNTY PORT AUTHORITY: TBD	(216)241-8004
COLUMBIA GAS OF OHIO, INC.: TBD	
CONSUMERS GAS CORPORATIVE : DAN BURKHART	(330)682-4144
DOMINION EAST OHIO. TBD	
FIBER TECHNOLOGIES NETWORKS LLC: NICOLE WALKER	(585)697-5130
FRONTIER/NORTH: TAMMY ALBRIGHT	
GRANGER ENERGY OF LAKE COUNTY: TBD	(517)372-2800
KNOX ENERGY COOPERATIVE ASSOCIATION, INC: TBD	(330)498-9130
NORTHEAST OHIO NATURAL GAS CORPORATION: TBD	1-(800)237-2099
OHIO EDISON: AMANDA RICHARDSON	1-(800)633-4766
OHIO RURAL NATURAL GAS COOPERATIVE: TBD	(440)255-5198
ORWELL NATURAL GAS COMPANY: TBD	
PAINESVILLE ELECTRIC: J. MCHUGH	(440)392-5926
CUYAHOGA COUNTY PORT AUTHORITY: LORI SALLAZ	(330)762-4776
SUNESYS-NOW CROWN CASTLE FIBER: TBD	
WINDSTREAMOHIO: TBD	
WINDSTREAMWESTERN/RESERVE: TBD	

RAILROADS

CITY GOVERNMENT

COUNTY GOVERNMENT

STATE GOVERNMENT

FEDERAL GOVERNMENT

OTHER

NON-EMERGENCY FIRE SERVICES:

NON-EMERGENCY POLICE SERVICES:

REAL ESTATE MANAGER:

MATT KRAMER, matt.kramer@verizonwireless.com

CONSTRUCTION MANAGER:

BRIAN DEAN, brian.dean1@verizonwireless.com

POWER COMPANY: DUKE

WORK ORDER:

ACCOUNT NUMBER: 0

CONTACT: DUSTIN COLBERT

CONTACT EMAIL: DSCOLBERT@TEAMFISHEL.COM

PHONE NUMBER: 513-617-8518

APPLICANT:

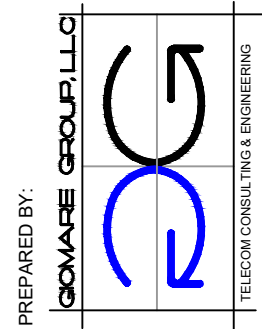
PERMIT SUMMARY:

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PROJECT: P-505044-UG1

SHOOK RD

COLUMBUS, OH



PLANS PREPARED BY:

MCImetro  
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION  
FACILITIES RELOCATION

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SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP TO MP

SHEET 3 OF 17.3

FILE: P-505044-2404ADOA-UG1\_04142025

GENERAL NOTES

1. MCI COMPRISES THE FOLLOWING OPERATING ENTITIES:

- BROOKS FIBER PROPERTIES, INC.

-MCI METRO ACCESS TRANSMISSION SERVICES, LLC

-MCI WORLDCOM NETWORK SERVICES, INC.

(COMPRISES MCI TELECOMMUNICATIONS COPR. (MCI LD)

AND WORLDCOM NETWORK SERVICES, INC. (WORLDCOM LD)

-SOUTHERNET, INC.

-INTERMEDIA, INC.

\*THE MCI FACILITIES WITHIN THIS CONSTRUCTION PACKAGE ARE HELD BY THE OPERATING

ENTIT(IES) INDICATED BY AN ASTERICK.
- MFS TELECOM, INC.

-TELECOM USA, INC.

-SOUTHERNET SYSTEMS, INC.

-MCI WORLDCOM NETWORK SERVICES OF VIRGINIA, INC.

-MCI METRO ACCESS TRANSMISSION SERVICES OF

VIRGINIA, INC.

2. ALL WORK TO BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES OR REQUIREMENTS OF ANY REGULATING GOVERNMENTAL AGENCY, MCI TELECOMMUNICATIONS CORPORATIONS, AND THE RIGHT-OF-WAY GRANTOR.

3. LOCATIONS OF SOME OF THE PHYSICAL FEATURES WERE OBTAINED FROM DATED AERIAL PHOTOS EVALUATION MAPS OR OTHER DRAWINGS AND MAY NOT BE AS SHOWN OR DEPICTED ON THESE DRAWINGS.
4. UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. THERFORE, 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.
5. 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.
6. ANY AND ALL IMPROVEMENTS, SUCH AS ASPHALT OR CONCRETE PAVEMENT, CURBS, GUTTERS, WALKS, DRAINAGE DITCHES, EMBANKMENTS, SHRUBS, TREES, GRASS SOD, ETC., IF DAMAGED, SHALL BE RESTORED TO ORIGINAL CONDITION.
7. 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.
8. SHORING OF BORE PITS AND TRENCHES IN ACCORDANCE WITH OSHA REGULATIONS IS MANDATORY.
9. 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.
10. ALL 2"ID CONDUIT WILL BE SCHEDULE HDPE SDR II OR AS SPECIFIED.
11. UNDERGROUND CONDUIT WILL BE PLACED AT 36" MINIMUM COVER UNLESS OTHERWISE SPECIFIED ON THE CONSTRUCTION DRAWINGS.
12. ALL ROW LINES SHOWN ARE APPROXIMATE AND DERIVED FROM CUYAHOGA COUNTY GIS DATA SETS

A - GENERAL REQUIREMENTS:

1. ALL WORK, MATERIAL, AND EQUIPMENT SHALL COMPLY WITH VERIZON WIRELESS STANDARD CONSTRUCTION SPECIFICATIONS, ALL REQUIREMENTS OF THE LATEST EDITIONS AND INTERIM AMENDMENTS OF THE NATIONAL ELECTRICAL CODES (N.E.C), NATIONAL ELECTRICAL SAFETY CODE, OSHA, AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES. ALL ELECTRICAL EQUIPMENT PROVIDED UNDER THIS CONTRACT SHALL BE NEW (EXCEPT WHERE OTHERWISE NOTED) AND SHALL COMPLY WITH THE REQUIREMENTS OF THE UNDERWRITERS' LABORATORIES (U.L) AND BEAR THE U.L LABEL.
2. THE OWNER OF HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO THE OWNER OR HIS ARCHITECT/ENGINEER.
3. THE CONTRACTOR SHALL SUPPORT, BRACE AND SECURE EXISTING STRUCTURES AS REQUIRED. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PROTECTION OF ANY EXISTING DIMENSIONS WHICH AFFECT THE NEW CONSTRUCTION.
4. THE CONTRACTOR SHALL NOT ALLOW OR CAUSE ANY OF THE WORK TO BE COVERED UP OR ENCLOSED UNTIL IT HAS BEEN INSPECTED BY THE GOVERNING AUTHORITIES. ANY WORK THAT IS ENCLOSED OR COVERED UP BEFORE SUCH INSPECTION AND TEST SHALL BE UNCOVERED AT THE CONTRACTORS EXPENSE; AFTER IT HAS BEEN INSPECTED, THE CONTRACTORS SHALL RESTORE THE WORK TO ITS ORIGINAL CONDITION AT HIS OWN EXPENSE.
5. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT/ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL SAID UTILITIES AND FACILITIES PRIOR TO START CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITIES COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OR REMOVING OR ADJUSTING AFFECTED UTILITIES.
6. CONTRACTORS SHALL FIELD VERIFY ALL EXISTING UTILITIES BOTH HORIZONTALLY AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE PROPERTY MANAGER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PREFORMED UNTIL DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS OWN RISK AND EXPENSE. CONTRACTOR SHALL CALL O.U.P.S AT (800)362-2764 24 HOURS PRIOR TO START OF CONSTRUCTION TO HAVE UNDERGROUND UTILITIES LOCATED AND MARKED.
7. CONTRACTOR SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION SUCH AS THAT PAPERS, TRASH, DEBRIS, WEEDS, BRUSH, OR ANY OTHER DEPOSED OF OFF-SITE BY THE CONTRACTOR.
8. ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY THE CONTRACTOR WITH LOCAL GAS, ELECTRIC, TELEPHONE AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.
9. DURING CONSTRUCTION, THE CONTRACTOR SHALL AT ALL TIMES MAINTAIN THE UTILITIES OF THE BUILDING/SITE WITHOUT INTERRUPTION. SHOULD IT BE NECESSARY TO INTERRUPT ANY SERVICE OR UTILITY, THE CONTRACTOR SHALL SECURE PERMISSION IN WRITING FROM THE BUILDING/ PROPERTY OWNER FOR SUCH INTERRUPTION, AT LEAST 72 HOURS IN ADVANCE. ANY INTERRUPTION SHALL BE MADE WITHA MINIMUM AMOUNT OF INCONVENIENCE TO THE BUILDING/PROPERTY OWNER AND ANY SUCH SHUTDOWN TIME SHALL BE COORDINATED WITH THE BUILDING/PROPERTY OWNER
10. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE OHIO STANDARDS FOR EROSION AND SEDIMENT CONTROL.
11. CONTRACTOR SHALL SUBMIT AT THE END OF THE PROJECT A COMPLETE SET AS BUILT DRAWINGS TO THE OWNER AND/OR PROJECT MANGER.

B- GENERAL NOTES:

1. THESE NOTES SHALL BE CONSIDERED PART OF THE WRITTEN SPECIFICATIONS.
2. THE WORK SHALL INCLUDE FURNISHING EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE THE INSTALLATIONS AS INDICATED I THE CONTRACT DOCUMENTS.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACT(S) SHALL VISIT THE JOB SITE(S) AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED PER THE CONTRACT DOCUMENTS, AND DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE OWNER/CONSTRUCTION MANAGER (VERIZON) AND THE ENGINEER OF RECORD (THAYER POWER & COMMUNICATION) PRIOR TO PROCEEDING.
4. THE CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED ON ANY WORK NOT CLEARLY DEFINED OR IDENTIFIED IN THE CONSTRUCTION DOCUMENTS BEFORE STARTING ANY WORK.

5. ALL WORK PREFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES, INCLUDE APPLICABLE MUNICIPAL AND UTILITY COMPANY SERVICES.
6. THE CONTRACTOR SHALL INSTALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. IF THE RECOMMENDATIONS ARE IN CONFLICT WITH THE CONTRACT DOCUMENTS AND/OR APPLICABLE CODES OR REGULATIONS, REVIEW THE CONFLICT OF DIRECTIONS WITH THE OWNER/CONSTRUCTION MANAGER AND THE ENGINEER OR RECORD PRIOR TO PROCEEDING.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATION OF ALL PORTIONS OF THE WORK UNDER THE CONTRACT, INCLUDING CONTACT AND COORDINATION WITH THE CONSTRUCTION MANAGER AND/OR THE AUTHORIZED REPRESENTATIVE OF ANY OUTSIDE POLE OR PROPERTY OWNER.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SAFETY PLANS FOR ANY WORK IN THE RIGHT OF WAY. TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE PROPER JURISDICTION FOR APPROVAL PRIOR TO IMPLEMENTATION.
9. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVINGS, CURBS, VEGETATION, GALVANIZED SURFACES OR OTHER EXISTING ELEMENTS AND UPON COMPLETION OF THE WORK, CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF THE CLIENT AND AT NO ADDITIONAL COST TO THE CLIENT.
10. KEEP THE GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH, AND REMOVED EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN A CLEAN CONDITION DAILY.
11. PLANS ARE INTENDED TO BE DIAGRAMMATIC ONLY AND SHOULD NOT BE SCALED UNLESS OTHERWISE NOTED. RELY ONLY ON ANNOTATED DIMENSIONS AND REQUEST INFORMATION IF ADDITIONAL DIMENSIONS ARE REQUIRED.
12. THE EXISTENCE AND LOCATION OF UTILITIES AND OTHER AGENCY'S FACILITIES ARE OBTAINED BY A VISUAL SITE VISIT ONLY OTHER FACILITIES MAY EXIST BEYOND WHAT IS NOTED. CONTRACTOR SHALL VERIFY LOCATIONS PRIOR TO START OF CONSTRUCTION AND USE EXTREME CARE AND PROTECTION OF UTILITIES AND OTHER AGENCY'S FACILITIES WITHIN LIMITS OF THE WORK, WHETHER THEY ARE INDICATED IN THE CONTRACT DOCUMENTS OR NOT.

C- RIGHT OF WAY CONSTRUCTION NOTES:

1. GENERAL CONTRACTOR TO REMOVE/CLEAN ALL DEBRIS, NAILS, STAPLES, OR NON-USED VERTICALS OFF THE POLE.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH MUNICIPAL, COUNTY, STATE, FEDERAL, G095 AND G0128 STANDARDS AND REGULATIONS
3. CALL APPROPRIATE STATE UTILITIES PROTECTION SERVICE PRIOR TO ANY UNDERGROUND WORK. OHIO (800-362-2764)
4. ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITION OR BETTER.

D - SITE WORK:

1. THE CONTRACTOR SHALL CALL ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES (WHERE ENCOUNTERED IN THE WORK) SHALL BE RELOCATED AS DIRECTED BY THE PROJECT MANAGER. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO:

A. FALL PROTECTION

B. CONFINED SPACE

C. ELECTRICAL SAFETY

D. TRENCHING AND EXCAVATION
2. REMOVE FROM SITE/OWNERS PROPERTY ALL WASTE MATERIALS, UNUSED EXCAVATED MATERIAL INCLUDING MATERIAL CLASSIFIED UNSATISFACTORY, CONTAMINATED OR DANGEROUS TRASH AND DEBRIS, AND DISPOSE OF IN A LEGAL MANNER
3. ALL EXISTING INACTIVE SEWER, WATER, GAS ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK. SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF WORK, SUBJECT TO THE APPROVAL OF ENGINEERING AND DOCUMENTED ON AS-BUILT DRAWINGS.
4. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE BUILDING OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, FERTILIZED, SEEDED, AND COVERED WITH MULCH AS SPECIFIED IN THE SPECIFICATION LANDSCAPE WORK.
5. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL AND OBC 2017/ IBC 2015 STANDARD GUIDELINES FOR EROSION AND SEDIMENT CONTROL.

E-WIRELESS CONSTRUCTION NOTES:

1. CONTRACTOR IS TO FOLLOW MOST CURRENT VERIZON NADV/STANDARDS DOCUMENTS PROVIDED TO COMPLETE THIS INSTALLATION.
2. CONTRACTOR TO REFER TO THE MOST CURRENT VERIZON NADV FOR APPROVED COAXIAL PROVIDERS AND LINE SWEEP TESTING PROCEDURES.
3. CONTRACTOR SHALL INCLUDE AT LEAST ONE "ANRITSU" CERTIFIED LINE SWEEP TECHNICIAN ON SITE DURING ANY VERIZON JOB RELATED INSTALLATION OR MAINTENANCE OF COAXIAL CABLE, ANTENNAS, TT-LNA, RF CONNECTORS, JUMPERS OR DIPLEX FILTERS.
4. CONTRACTOR SHALL COMPLETE VERIZON PROVIDED "SMALL CELL SWEEP REPORT" WITH ALL INFORMATION FILLED IN ACCURATELY AND COMPLETE.
5. CONTRACTOR TO REFER TO THE MOST CURRENT VERIZON NADV FOR APPROVED "PIM" TEST EQUIPMENT AND GUIDELINES
6. CONTRACTOR IS TO USE BATTERY POWERED "PIM" EQUIPMENT TO VALIDATE THE FINAL LOCATION OF THE COAXIAL JUMPER AND ANTENNA ARE FREE OF INTERNAL AND EXTERNAL "PIM" SOURCES.
7. CONTRACTOR SHALL PROVIDE AT LEAST ONE TECHNICAL LEAD THAT IS CERTIFIED AND PROFICIENT IN EXECUTING, INTERPRETING, AND RECORDING "PIM" MEASUREMENTS.

F- RF COMPLIANCE & SIGNAGE REQUIREMENTS:

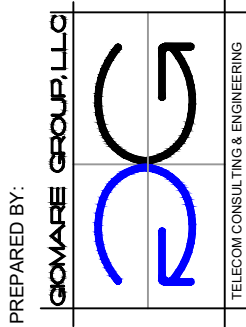
1. CONTRACTOR TO OBTAIN LATEST RFE INFORMATION FROM VERIZON PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL PROVIDE PHOTOS SUPPORTING RF COMPLIANCE SIGNAGE VERIFICATION CHECKLIST ON VZW STANDARD FORM AND TO BE SUBMITTED FOR VZW REVIEW PRIOR TO SITE TURN-UP.
3. CONTRACTOR SHALL PROVIDE PHOTOS SUPPORTING RF COMPLIANCE SIGNAGE VERIFICATION CHECKLIST FOR ALL POLE SIGNS PLACED, INCLUDING A DATE AND GPS COORDINATES STAMP ON EACH PHOTO TO BE SUBMITTED WITH SWEEPS AND PM TEST DATA FOR REVIEW TO SITE TURN-UP.

MCImetro

PROJECT: P-505044-UG1

SHOOK RD

COLUMBUS, OH



PLANS PREPARED BY:

GIOMARE GROUP, LLC

MCImetro

ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTUNCTION

FACILITIES RELOCATION

SHOOK RD

DATE: 04/14/2025

ENGINEER: HS

DRAWN BY: ZS

REVISIONS

DATE	DESCRIPTION	INITIAL

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SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP TO MP

SHEET 4 OF 17.3

FILE: P-505044-2404ADOA-UG1\_04142025

MCI OUTSIDE PLANT FOCUS

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.

FOCUS 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-CONSRUCTION 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 MINUMUM OF EVERY 15 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 FACILITES ARE CLEARLY VISIBLE.

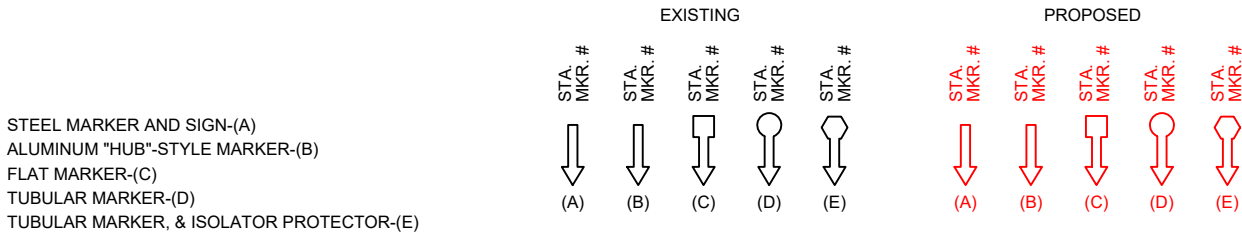
6.2.

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

- ALL FEDERAL, STATE AND LOCAL SAFETY REGULATIONS MUST BE FOLLOWED WITHOUT EXCEPTION.
- 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.
- USE OF INTOXICANTS, DRUGS, INHALANTS OR ANY OTHER SUBSTANCES THAT MAY IMPAIR ALERTNESS ARE STRICTLY PROHIBITED.
- 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.
- 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.
- TOOLS AND EQUIPMENT SPECIFICALLY DESIGNED FOR THE JOB AT HAND ARE REQUIRED. USE THE PROPER TOOL FOR THE JOB.
- CONDUIT WORK INVOLVING ACTIVE CABLES REQUIRES SPECIALIZED TOOLS SPECIFICALLY DESIGNED TO ACCESS DUCTS WITH ACTIVE CABLES.
- PROTECTING MCI FACILITIES IS EXTREMELY IMPORTANT; HOWEVER, SAFETY REGARDING YOURSELF AND OTHERS IS THE MOST IMPORTANT PART OF ANY PROJECT.



CLARIFICATION SUMMARY SHEET  
PROJECT SPECIFIC

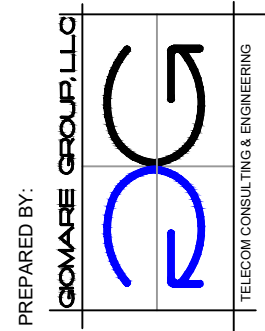
BILL OF MATERIALS					
DESCRIPTION		TYPE	QUANTITY	UNIT	MMID
GHOST TERMINALS 12-FIBER PINNED FLAT DROP CABLE HMFOC JACK (PINNED) TO STUB		250	0	EA	10837369
		500	0	EA	10837370
		1000	0	EA	10837388
		1500	0	EA	108354910
		2000	0	EA	10854874
		3000	0	EA	10863967
HMFOC EXTENSION CABLE JACK (PINNED) TO PLUG (NOT PINNED)		50	0	EA	10819882
		100	0	EA	10819873
		200	0	EA	10819865
		500	0	EA	10819883
		1000	0	EA	10819885
UNIVERSAL SNAPSTACK HANGER			0	EA	10837380
SNAP-IN HANGER			0	EA	10837414
SNAPTAK HANGER			0	EA	10837394
PRIVATE PROPERTY FIBER TERMINATION (TELCO MIGRATION / IN-BUILDING SOLUTIONS)		48CT PATCH PANEL	0	EA	10820097
		24CT PATCH PANEL	0	EA	10798808
		12CT PATCH PANEL	0	EA	1078807
		1000' UNPINNED TAIL	0	EA	10798712
		500' UNPINNED TAIL	0	EA	10798703
STRAND		6M 6000LB/250FT	0	FT	11066452
OUTSIDE PLANT FIBER OPTIC CABLE		48CT	0	FT	10786041
		96CT	0	FT	10786039
		144CT	0	FT	10788031
		288CT	0	FT	10786031
		432CT	0	FT	10785958
		864CT	0	FT	10827583
		1728CT	0	FT	10830593
COMMSCOPE FIBER OPTIC SPLICE CASES		450B6	0	EA	10796661
		450BS	0	EA	10796674
		450C	0	EA	10796650
		450D	0	EA	10796658
		600D	0	EA	10796686
PLP FIBER OPTIC SPLICE CASE		COYOTE HD DOME	0	EA	NA
CONDUIT		1-1/4" SDR 9 (3 WAY REEL)	0	FT	10796131
		2" SDR 11	0	FT	10796224
		4" SDR 11	0	FT	10796151
HANDHOLE	SMALL	17"X30"X24"	0	EA	10836719
	MEDIUM	24"X36"X24"	0	EA	10836729
	LARGE	30"X60"X30"	0	EA	10332797
MANHOLE		48"X48"X48"	0	EA	10840122

MCImetro

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SHOOK RD

COLUMBUS, OH



MCImetro  
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

FACILITIES RELOCATION

SHOOK RD

DATE: 04/14/2025

ENGINEER: HS

DRAWN BY: ZS

REVISIONS

DATE	DESCRIPTION	INITIAL

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SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP TO MP

SHEET 6 OF 17.3

FILE: P-505044-2404ADOA-UG1\_04142025



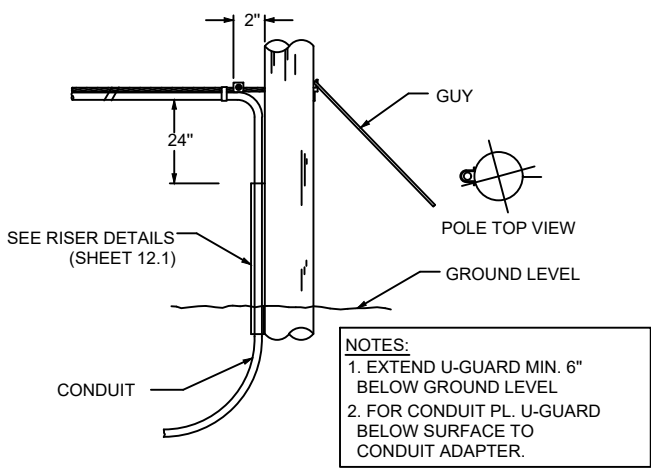
Know what's below.  
Call before you dig.



GENERAL AERIAL CONSTRUCTION DETAILS

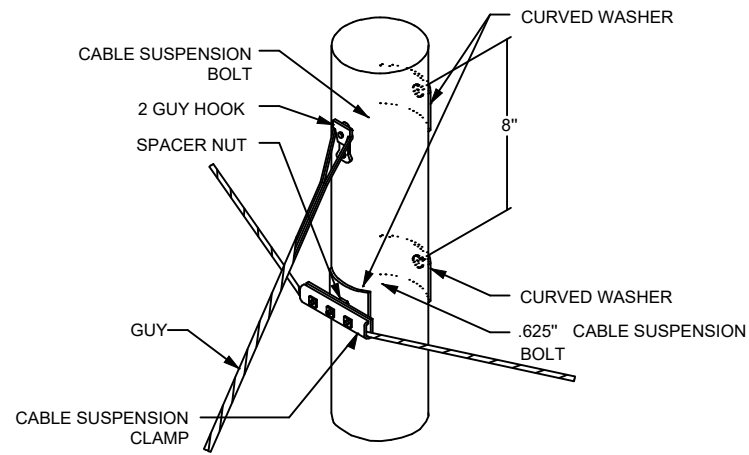
TYPICAL DETAIL "A"

POLE ARRANGEMENT FOR  
AERIAL TO BURIED



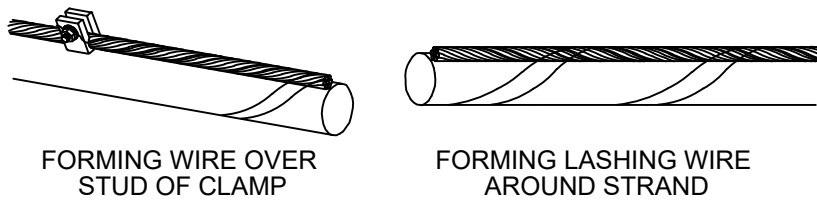
TYPICAL DETAIL "D"

SUSPENSION STRAND - PULL TOWARD  
POLE - LESS THAN 5 FEET



TYPICAL DETAIL "G"

JOINING 045 LASHING WIRE

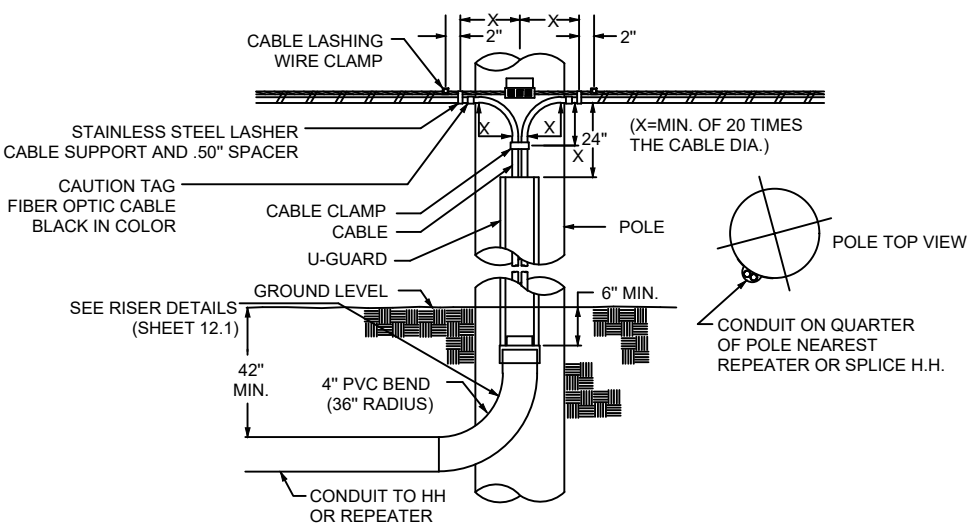


REMOVE ANY SLACK IN THE LASHING WIRE BY MAINTAINING A PULL ON THE WIRE AND TAPPING THE STRAND SHARPLY. THEN FORM THE WIRE OVER THE STUD AND TIGHTEN THE NUT. CUT THE FREE END OF THE LASHING WIRE OFF .75" BEYOND THE END OF THE CLAMP.

FORM THE LASHING WIRE AROUND THE STRAND AND PLACE IT BELOW THE STUD AND BETWEEN THE SECOND WASHER AND STUD SHOULDER.

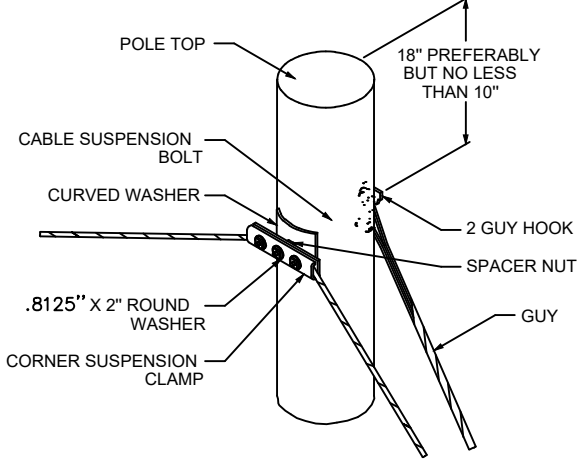
TYPICAL DETAIL "B"

POLE ARRANGEMENT FOR REPEATER  
OR HANDHOLE LOCATION



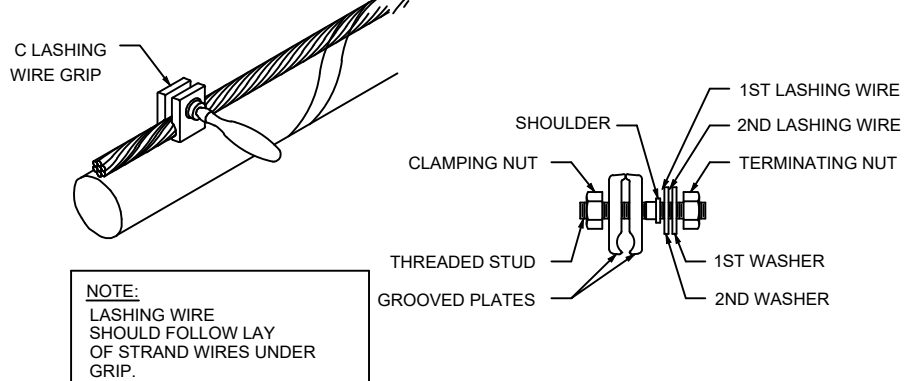
TYPICAL DETAIL "E"

SUSPENSION STRAND - PULL AWAY  
FROM POLE - 5 FEET OR MORE



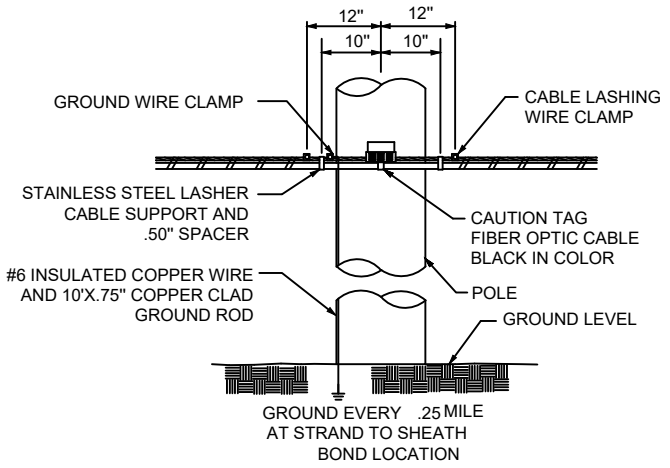
TYPICAL DETAIL "H"

LASHING WIRE GRIP AND CLAMP



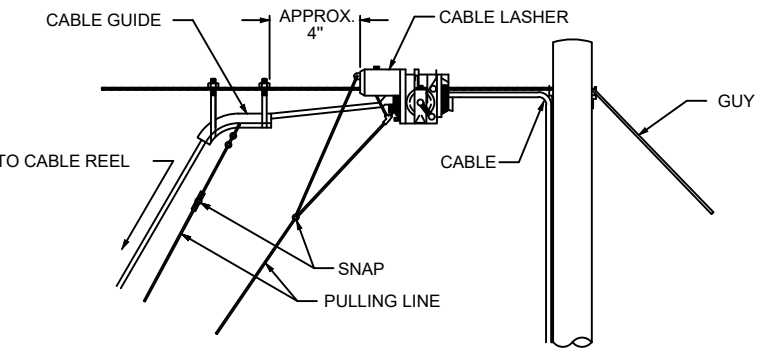
TYPICAL DETAIL "C"

TYPICAL CABLE & HARDWARE  
INSTALLATION



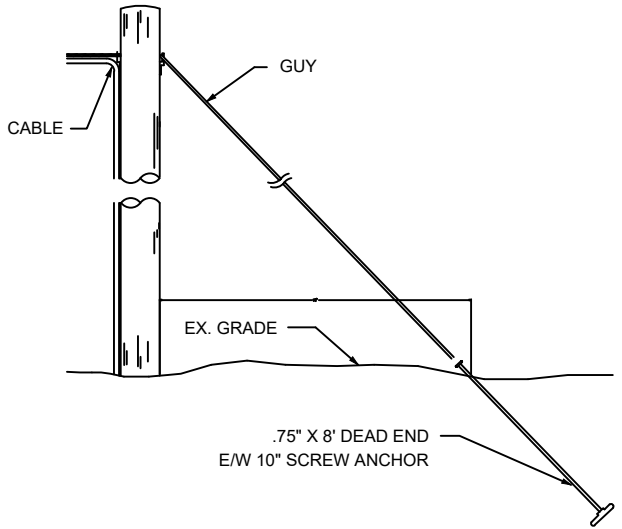
TYPICAL DETAIL "F"

TYPICAL ARRANGEMENT OF  
CABLE LASHER AND CABLE GUIDE



TYPICAL DETAIL "I"

ANCHOR & DOWN GUY

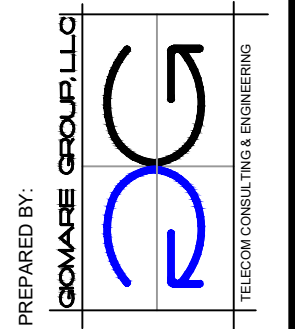


MCImetro

PROJECT: P-505044-UG1

SHOOK RD

COLUMBUS, OH



PLANS PREPARED BY:

MCImetro  
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION  
FACILITIES RELOCATION

SHOOK RD

DATE: 04/14/2025

ENGINEER: HS

DRAWN BY: ZS

REVISIONS

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SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP TO MP

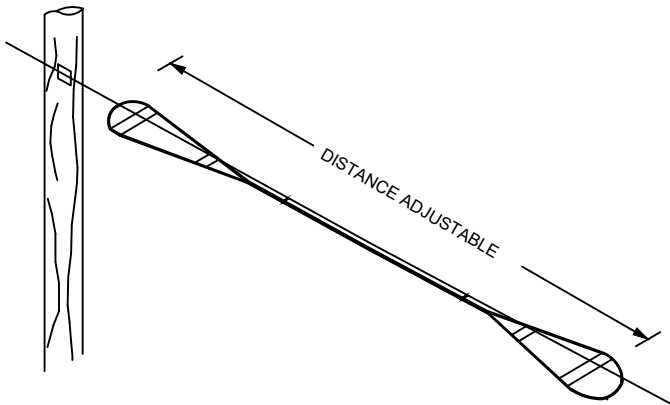
SHEET 7 OF 17.3

FILE: P-505044-2404AD0A-UG1\_04142025

AERIAL IN-LINE SLACK STORAGE DETAILS

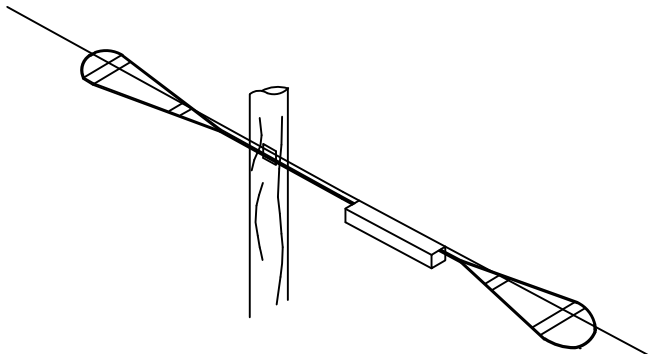
TYPICAL DETAIL "A"

RESERVE CABLE LENGTH  
STRAND STORAGE APPLICATION



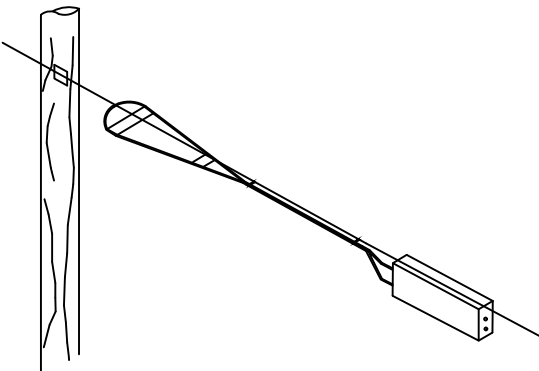
TYPICAL DETAIL "B"

IN-LINE SPLICE APPLICATION



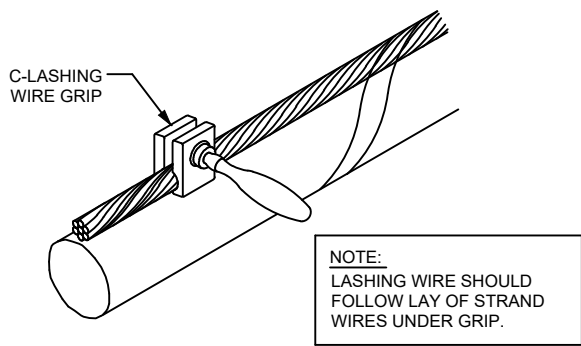
TYPICAL DETAIL "C"

BUTT SPLICE APPLICATION



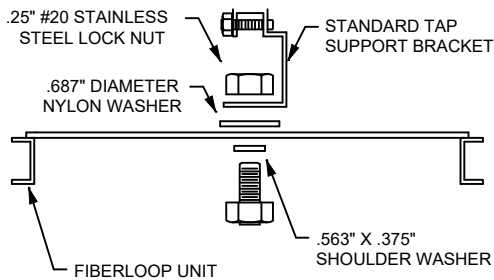
TYPICAL DETAIL "D"

LASHING WIRE GRIP AND CLAMP C-LASHING  
WIRE GRIP INSTALLED ON STRAND



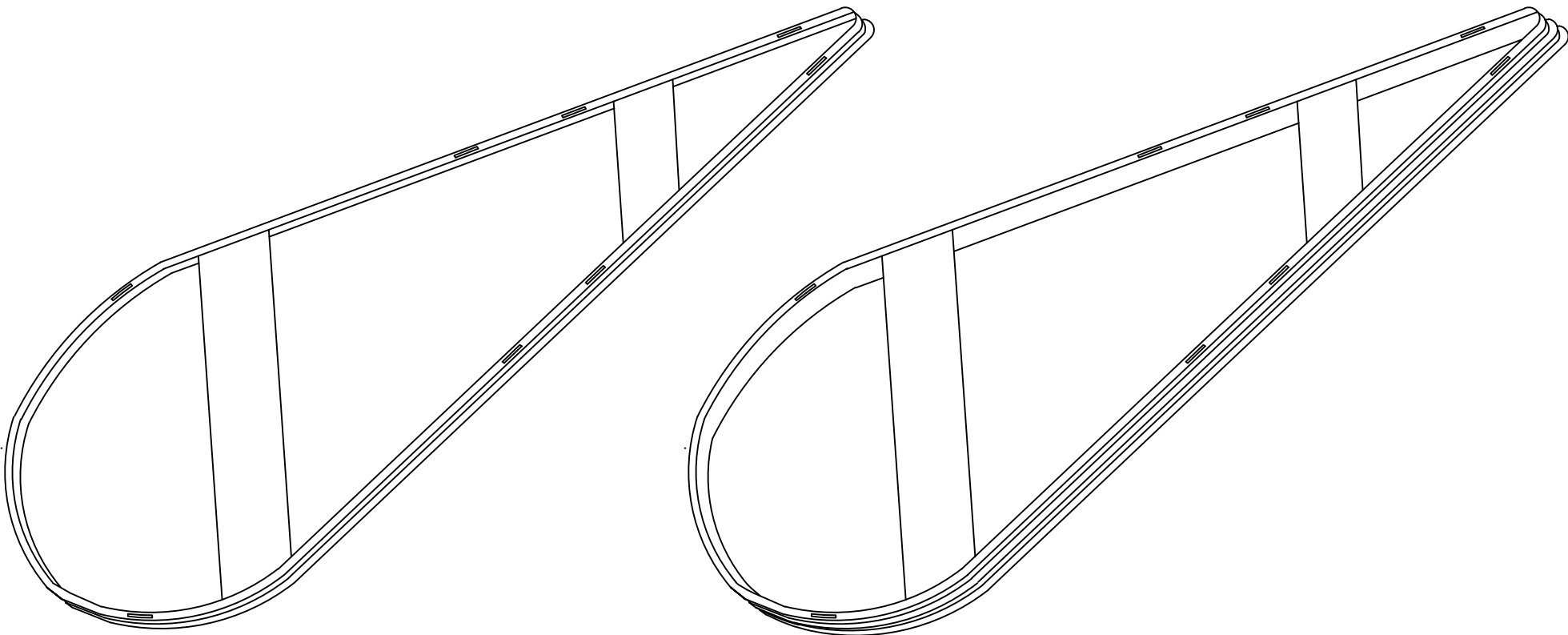
TYPICAL DETAIL "E"

HARDWARE KIT



TYPICAL DETAIL "F"

SINGLE & DOUBLE FIBER LOOPS

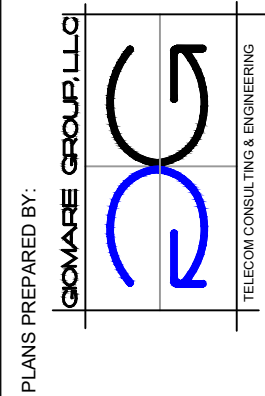


MCImetro

PROJECT: P-505044-UG1

SHOOK RD

COLUMBUS, OH



PLANS PREPARED BY:

MCImetro  
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OUTSIDE PLANT CONSTRUCTION  
FACILITIES RELOCATION

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SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP TO MP

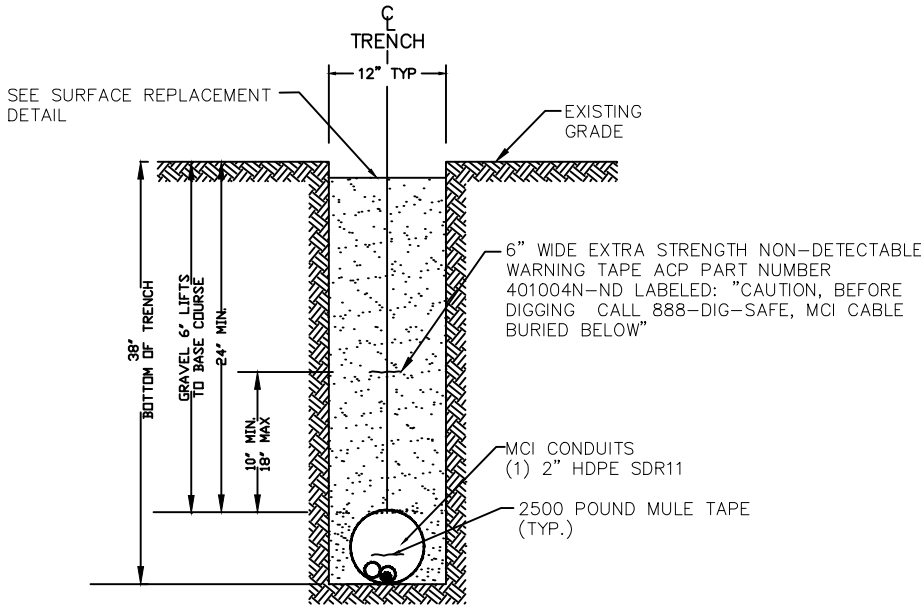
SHEET 8 OF 17.3

FILE: P-505044-2404ADOA-UG1\_04142025

GENERAL UNDERGROUND CONSTRUCTION DETAILS

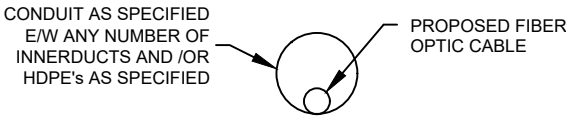
TYPICAL DETAIL "A"

TRENCH & PLACE CONDUIT



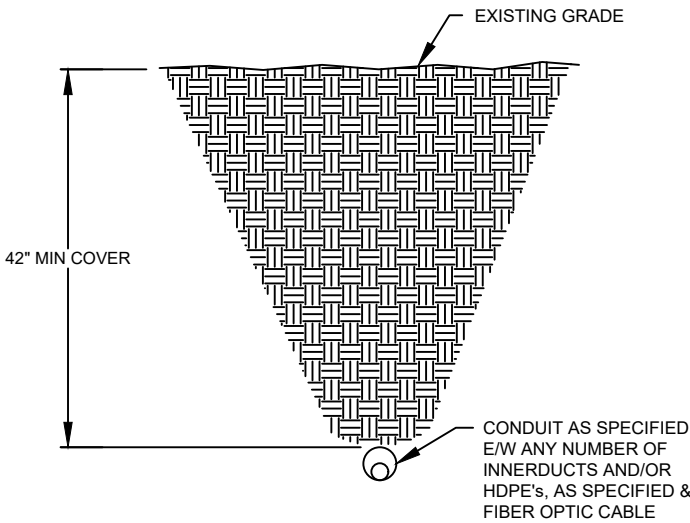
TYPICAL DETAIL "B"

CROSS SECTION OF PROPOSED HDPE



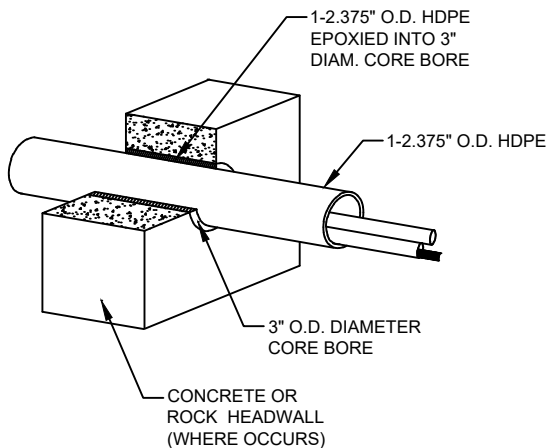
TYPICAL DETAIL "C"

DIRECTIONAL BORE CROSS SECTION FOR CONDUIT



TYPICAL DETAIL "D"

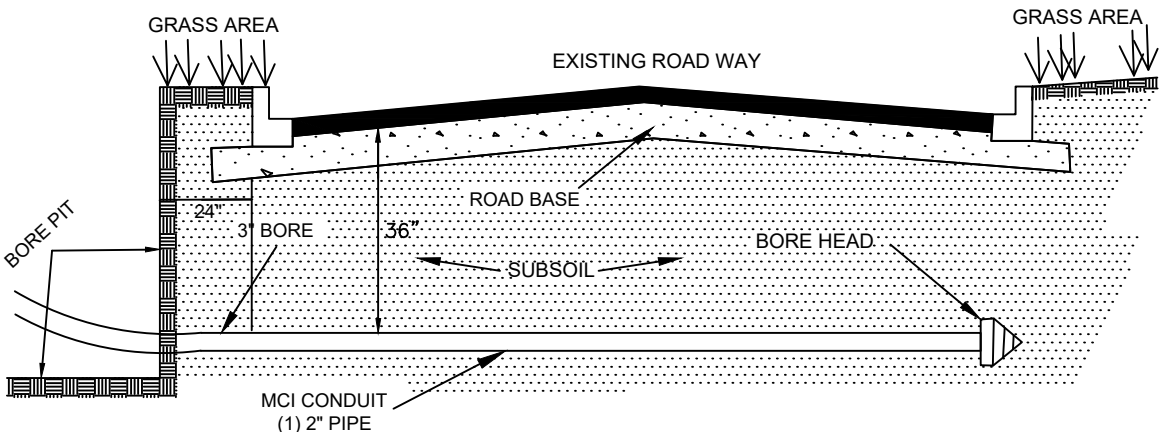
3" CORE BORE



NOTE:  
EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL GAP BETWEEN 2.375" CONDUIT AND PVC SLEEVE.

TYPICAL DETAIL "E"

DIRECTIONAL BORE

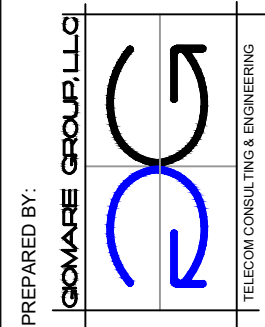


MCImetro

PROJECT: P-505044-UG1

SHOOK RD

COLUMBUS, OH



PLANS PREPARED BY:

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ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

FACILITIES RELOCATION

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SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP TO MP

SHEET 9.1 OF 17.3

FILE: P-505044-2404AD0A-UG1\_04142025

CONCRETE CURB AND GUTTER RESTORATION DETAILS

MCImetro

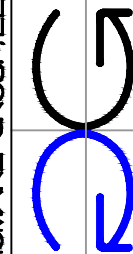
PROJECT: P-505044-UG1

SHOOK RD

COLUMBUS, OH

PLANS PREPARED BY:

GIOMARE GROUP, LLC



TELECOM CONSULTING & ENGINEERING

McImetro  
ACCESS TRANSMISSION SERVICES, LLC

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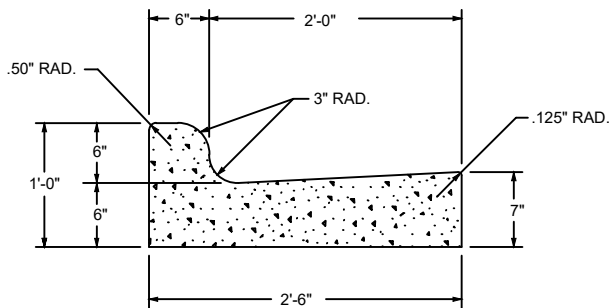
MP TO MP

SHEET 9.2 OF 17.3

FILE: P-505044-2404ADOA-UG1\_04142025

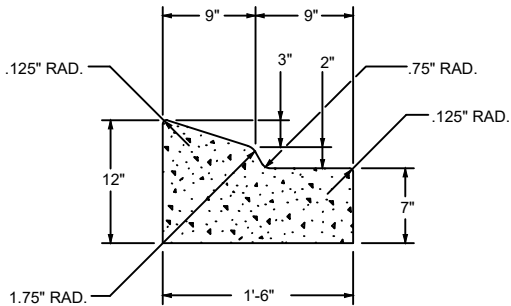
DETAIL "A"

2'-6" CURB AND GUTTER



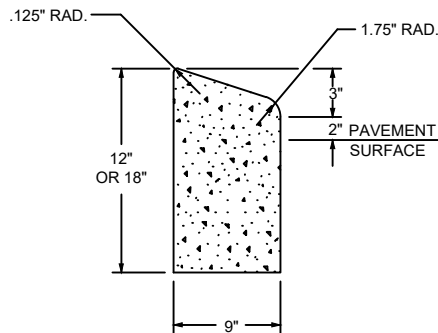
DETAIL "B"

1'-6" CURB AND GUTTER



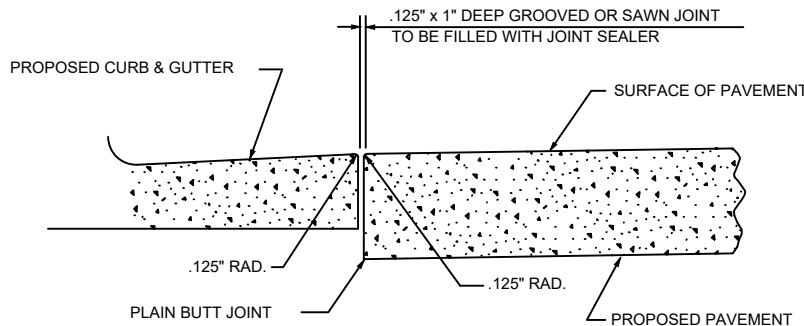
DETAIL "C"

9"X12" OR 18" CONCRETE CURB



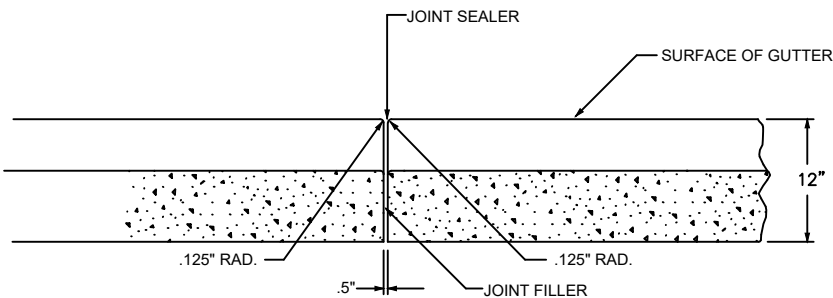
DETAIL "D"

LONGITUDINAL PLANE  
BUTT JOINT



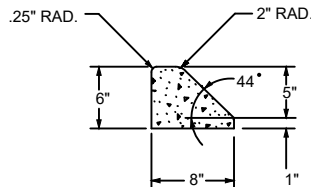
DETAIL "G"

TRANSVERSE EXPANSION JOINT  
IN CURB AND GUTTER



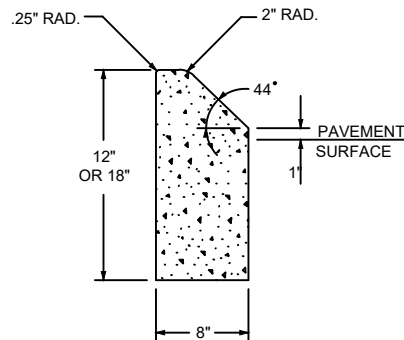
DETAIL "E"

8"X6" MEDIAN CURB



DETAIL "F"

8"X12" OR 18" CONCRETE  
CURB



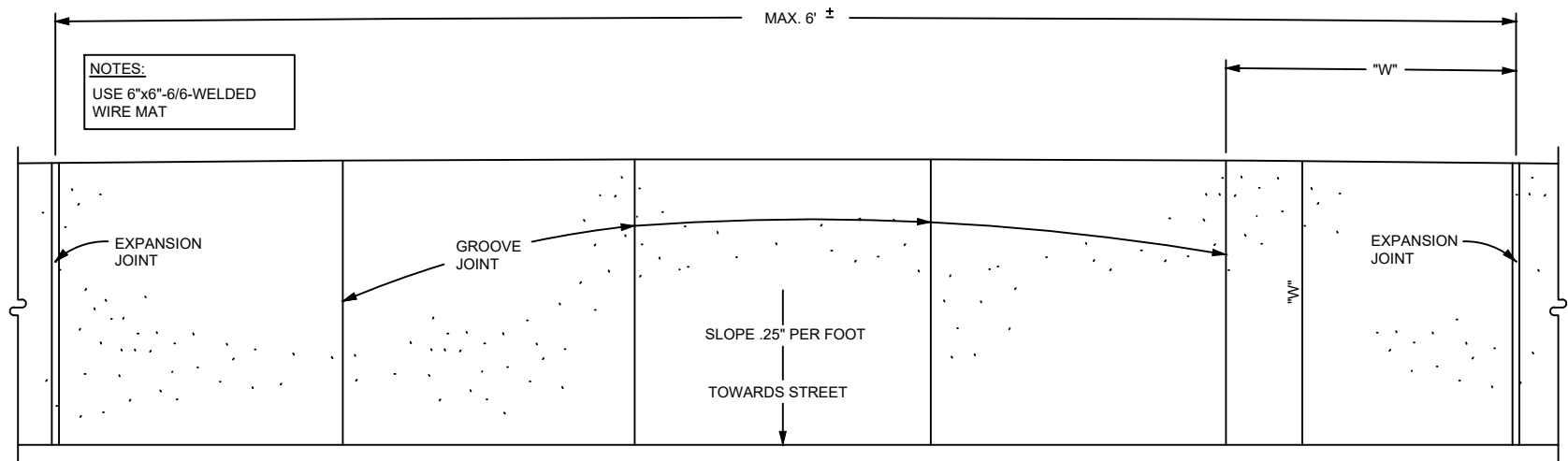
NOTES:

- CONTRACTION JOINTS SHALL BE PLACED AT 10' INTERVALS, EXCEPT THAT A 15' SPACING MAY BE USED WHEN A MACHINE IS USED OR WHEN SATISFACTORY SUPPORT FOR THE FACE. FORM CAN BE OBTAINED WITHOUT THE USE OF TEMPLATES AT 10' INTERVALS.
- JOINT SPACING MAY BE ALTERED IF REQUIRED BY THE ENGINEER.
- CONTRACTION JOINTS MAY BE INSTALLED BY THE USE OF TEMPLATES OR FORMED BY OTHER APPROVED METHODS. WHERE SUCH JOINTS ARE NOT FORMED BY TEMPLATES, A MINIMUM DEPTH OF 1 1/4 " SHALL BE OBTAINED.
- ALL CONSTRUCTION JOINTS, EXCEPT IN 8" x 6" MEDIAN CURB, SHALL BE FILLED WITH JOINT FILLER AND SEALER.
- EXPANSION JOINTS SHALL BE SPACED AT 90' INTERVALS, AND ADJACENT TO ALL RIGID OBJECTS.

STANDARD SIDEWALK DETAILS

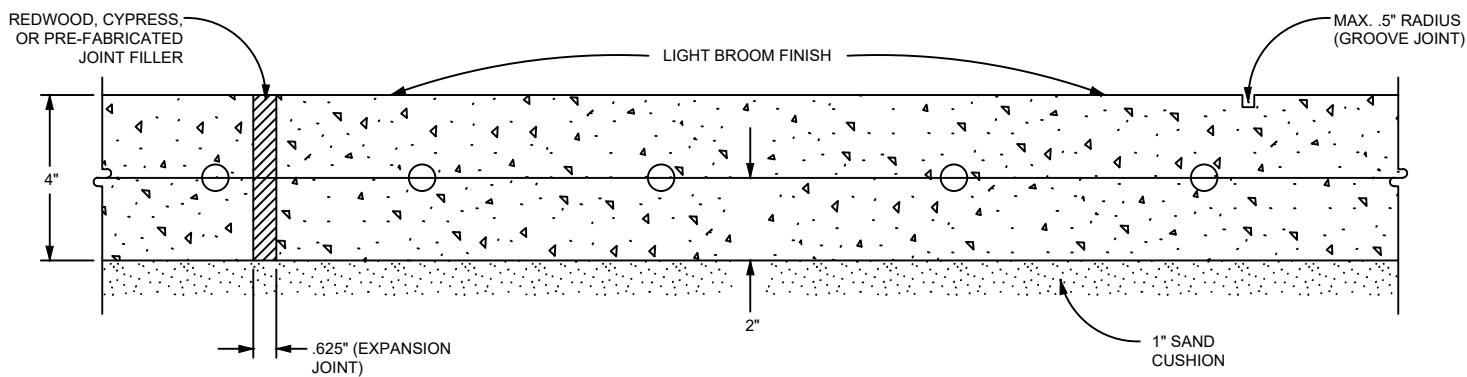
DETAIL "A"

PLAN VIEW



DETAIL "B"

PROFILE VIEW



NOTES:

1. EXPANSION JOINT IF ADJACENT TO CURB.
2. W=MINIMUM OF 5', IF WITHIN 1'-0" OF CURB.
3. MINIMUM "W"=4 FEET.

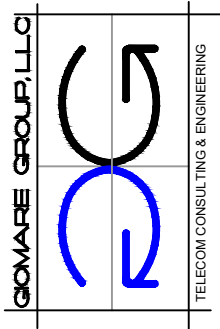
MCImetro

PROJECT: P-505044-UG1

SHOOK RD

COLUMBUS, OH

PLANS PREPARED BY:



ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

FACILITIES RELOCATION

SHOOK RD

DATE: 04/14/2025

ENGINEER: HS

DRAWN BY: ZS

REVISIONS

DATE	DESCRIPTION	INITIAL

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SCALE

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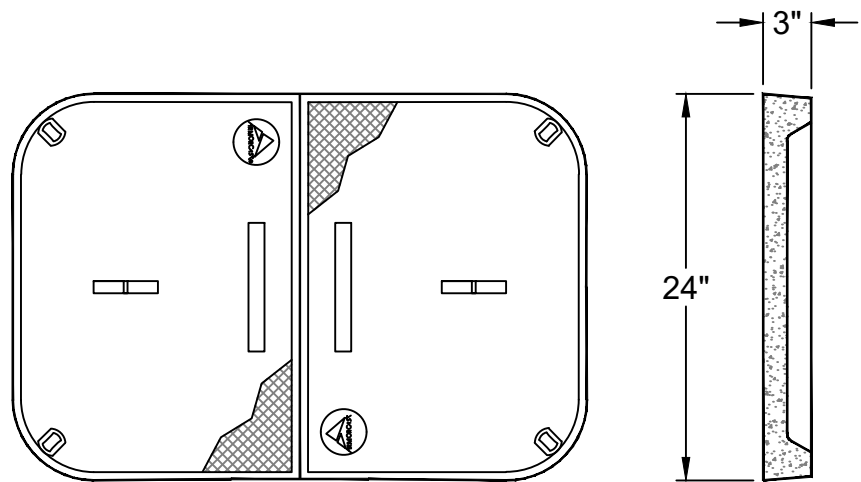
VERTICAL: N/A

MP TO MP

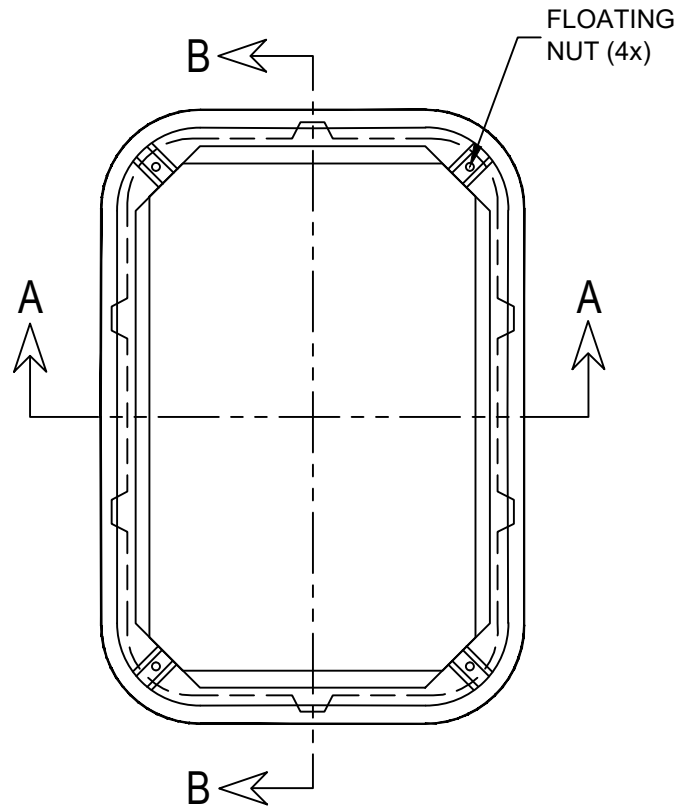
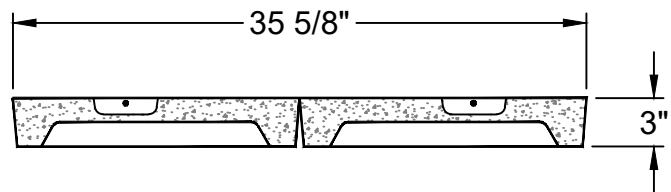
SHEET 9.3 OF 17.3

FILE: P-505044-2404ADOA-UG1\_04142025

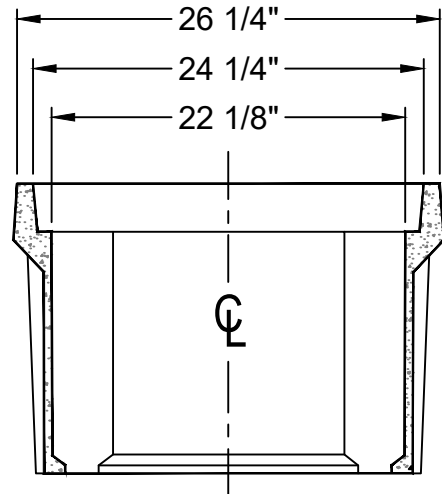
24" x 36" x 24" HANDHOLE DETAILS



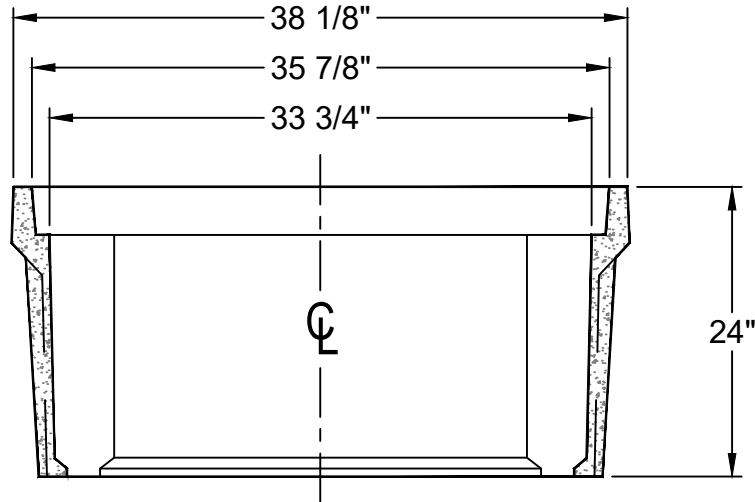
2 PIECE COVER  
POLYMER CONCRETE COVER



PLAN VIEW



SECTION A-A



SECTION B-B

20K STANDARD HANDHOLE

MEETS SCTE/ANSI 77- TIER 22 LOADING  
CRITERIA  
ADDITIONAL REQUIREMENTS:  
DESIGN LOAD: 20,000 LBS  
MINIMUM FAILURE LOAD: 45,000 LBS

MCImetro

PROJECT: P-505044-UG1

SHOOK RD

COLUMBUS, OH

PLANS PREPARED BY:

GIOMARE GROUP, LLC

TELECOM CONSULTING & ENGINEERING

MCImetro

ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

FACILITIES RELOCATION

SHOOK RD

DATE: 04/14/2025

ENGINEER: HS

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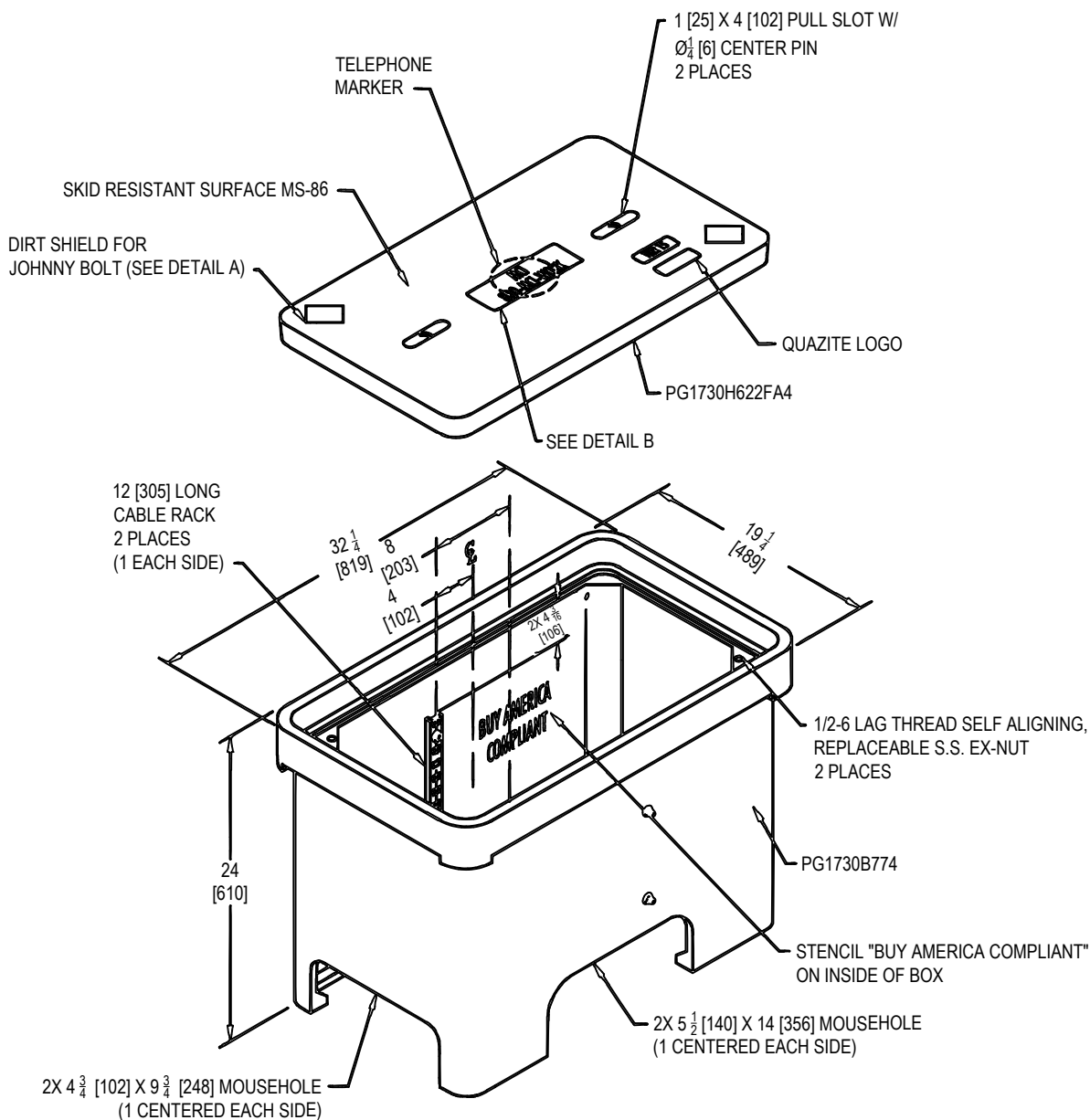
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HORIZONTAL:	N/A
VERTICAL:	N/A
MP	TO MP
SHEET	10.1 OF 17.3
FILE:	P-505044-2404ADOA-UG1_04142025



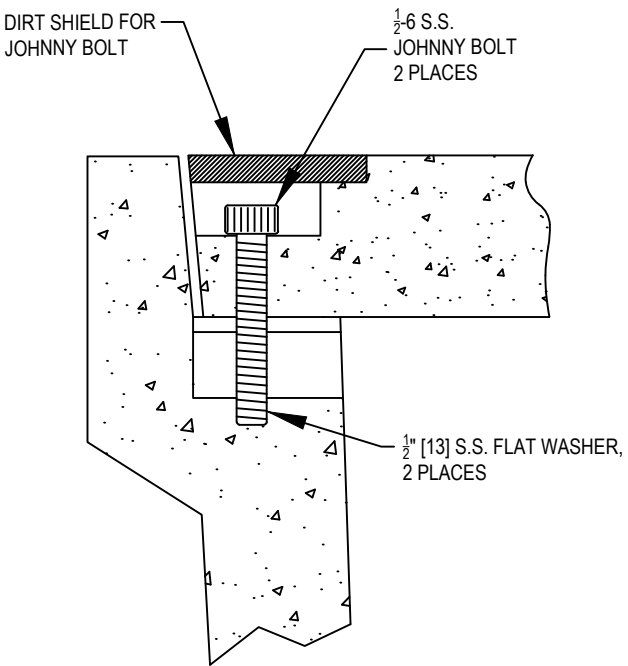
17" x 30" x 24" HANDHOLE DETAILS

SEALED PLASTIC BAG PLACED INSIDE VAULT TO CONTAIN

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



DETAIL B



FLUSH MOUNT COVER DETAIL  
DETAIL A  
2 PLACES

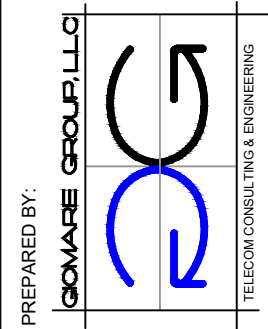
- NOTES:
1. LOGO TO BE SPECIFIED: \_\_\_\_\_
2. THIS ASSEMBLY IS RATED FOR A STATIC DESIGN LOAD OF 15,000 LBS. [66,720 N] OVER A 10 [254] X 10 [254] AREA AND MUST PASS A MINIMUM STATIC TEST LOAD OF 22,500 LBS. [100,080 N].

N.T.S.

PROJECT: P-505044-UG1

SHOOK RD

COLUMBUS, OH



ACCESS TRANSMISSION SERVICES, LLC	OUTSIDE PLANT CONSTRUCTION	
	FACILITIES RELOCATION	
	SHOOK RD	

DATE: 04/14/2025

ENGINEER: HS

DRAWN BY: ZS

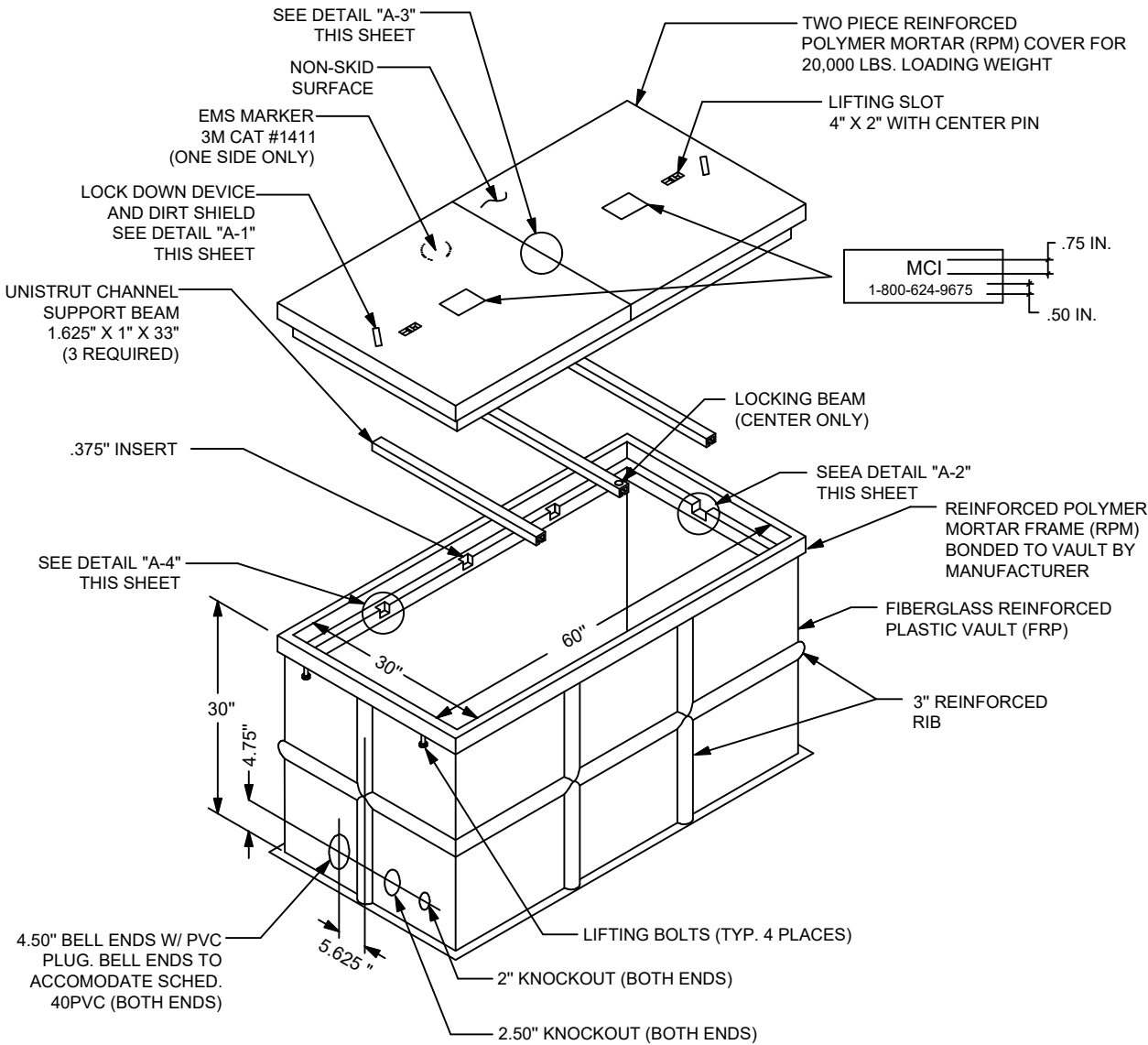
REVISIONS		
DATE	DESCRIPTION	INITIAL

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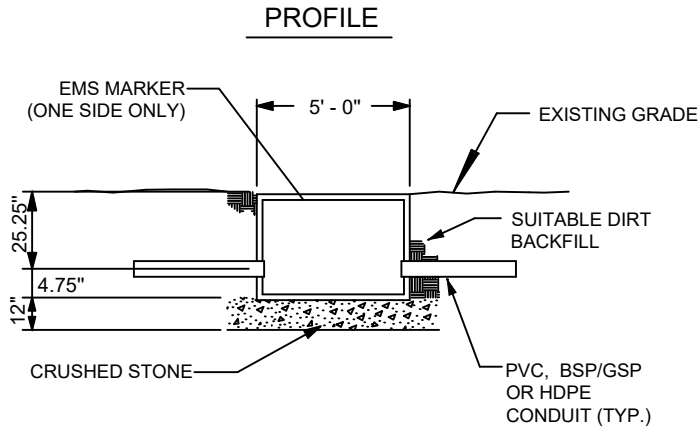
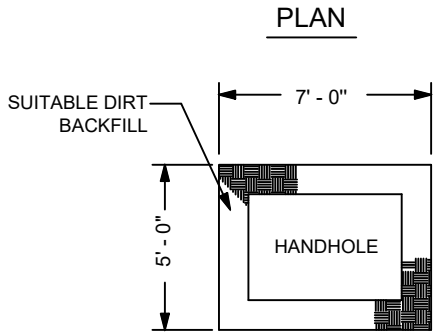
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HORIZONTAL:	N/A
VERTICAL:	N/A
MP	TO MP
SHEET	10.2 OF 17.3
FILE:	P-505044-2404ADOA-UG1_04142025

30"x60"x30" HANDHOLE DETAILS

DETAIL "A"  
EXPLODED ISOMETRIC DETAIL

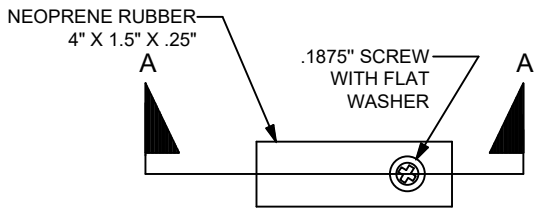


DETAIL "C"  
EXCAVATION PIT



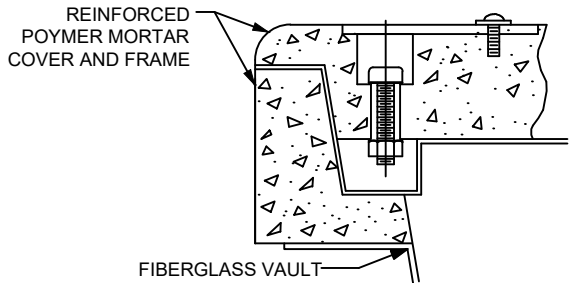
DETAIL "A-1"

LOCK DOWN DEVICE



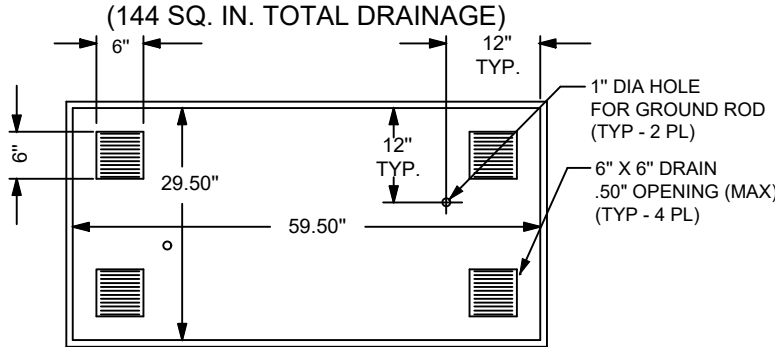
SECTION A-A

LOCKING DEVICE  
CROSS SECTION



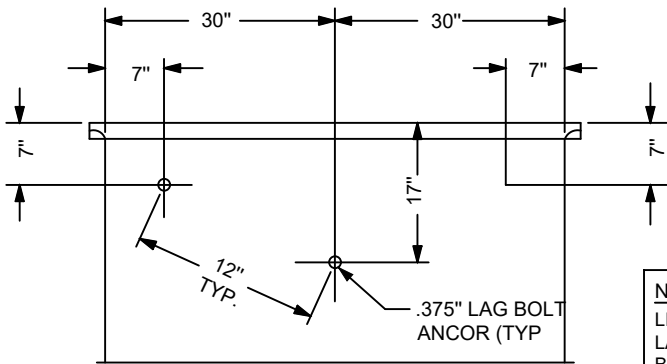
DETAIL "B"

VAULT BOTTOM  
PLAN VIEW



DETAIL "D"

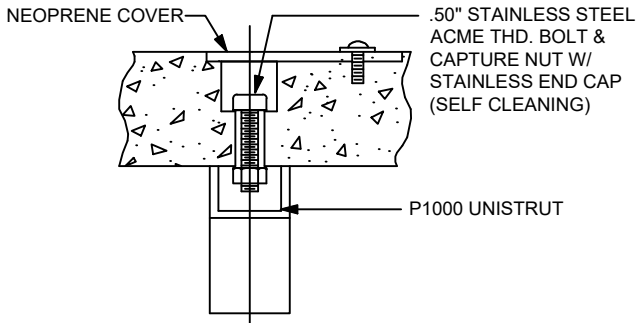
SIDE WALL VIEW  
INSIDE LOOKING OUT



NOTE:  
LINEAR DISTANCE BETWEEN LAG BOLT ANCHORS MUST BE 25"

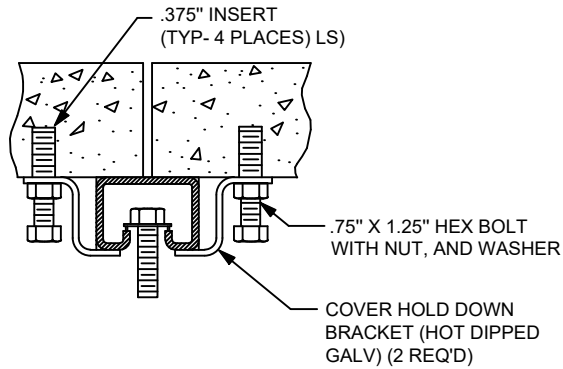
DETAIL "A-2"

ENGAGED LOCK  
DOWN DEVICE



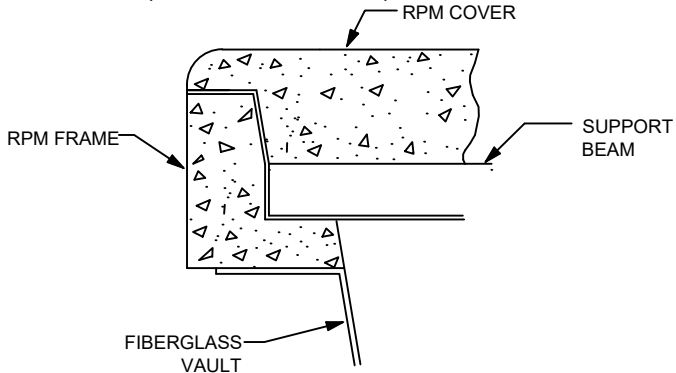
DETAIL "A-3"

COVER HOLD DOWN BRACKET  
OF 2-PIECE RPM COVER



DETAIL "A-4"

SUPPORT BEAM  
INSTALLATION  
(TYP AT 6 PLACES)



NOTES:

- VOID IN EXCAVATED AREAS TO BE BACKFILLED WITH SELECT MATERIAL.
- BOTTOM OF EXCAVATED PIT TO BE BACKFILLED WITH 12" OF CRUCHED STONE (.75" GRADE).
- SHORING WILL BE REQUIRED.
- ALL HANDHOLES SHALL BE PLACED BELOW EXISTING GRADE.
- THIS HANDHOLE IS OF FIBERGLASS MATERIAL, APPROXIMATELY POUNDS IN WEIGHT. THE LIDS ARE POLYMER CONCRETE MATERIAL, EACH APPROXIMATELY POUNDS

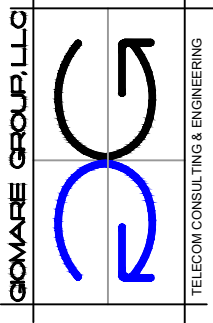
MCImetro

PROJECT: P-505044-UG1

SHOOK RD

COLUMBUS, OH

PLANS PREPARED BY:



MCImetro  
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

FACILITIES RELOCATION

SHOOK RD

DATE: 04/14/2025

ENGINEER: HS

DRAWN BY: ZS

REVISIONS

DATE	DESCRIPTION	INITIAL

SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP TO MP

SHEET 10.3 OF 17.3

FILE: P-505044-2404AD0A-UG1\_04142025



TUBULAR MARKER DETAILS

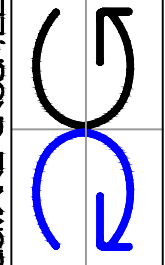
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PROJECT: P-505044-UG1

SHOOK RD  
COLUMBUS, OH

PLANS PREPARED BY:

GIOMARE GROUP, LLC



TELECOM CONSULTING & ENGINEERING

MCImetro

ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

FACILITIES RELOCATION

SHOOK RD

DATE: 04/14/2025

ENGINEER: HS

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SCALE

HORIZONTAL: N/A

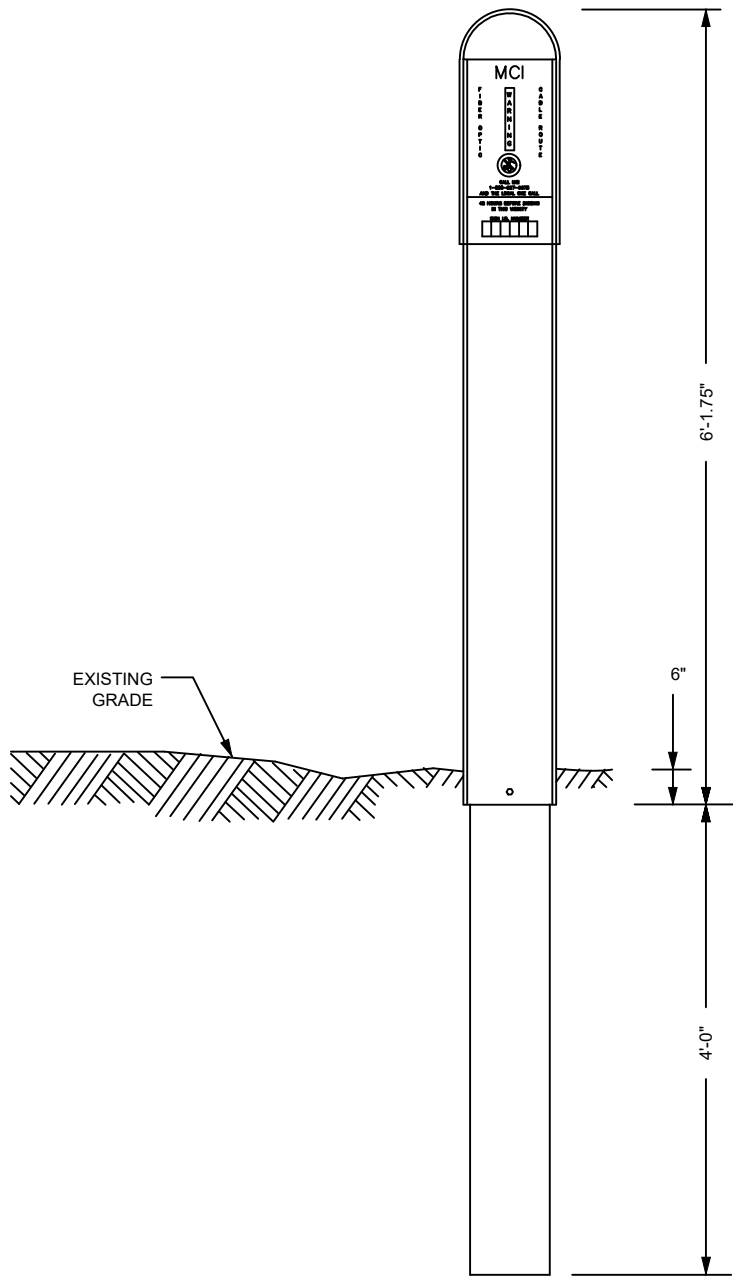
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MP      TO MP

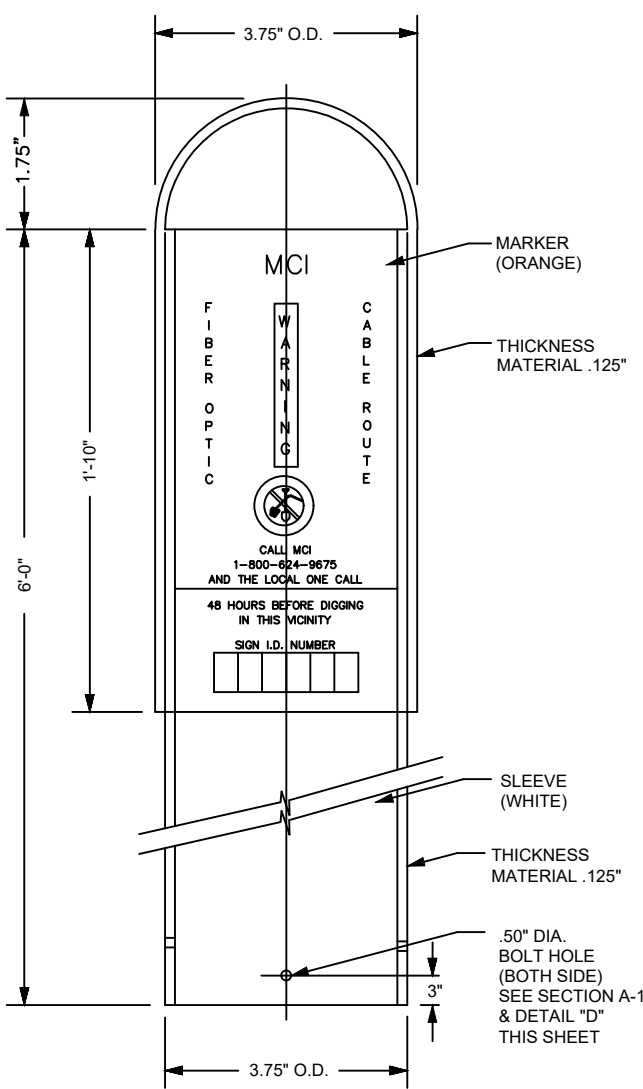
SHEET 11 OF 17.3

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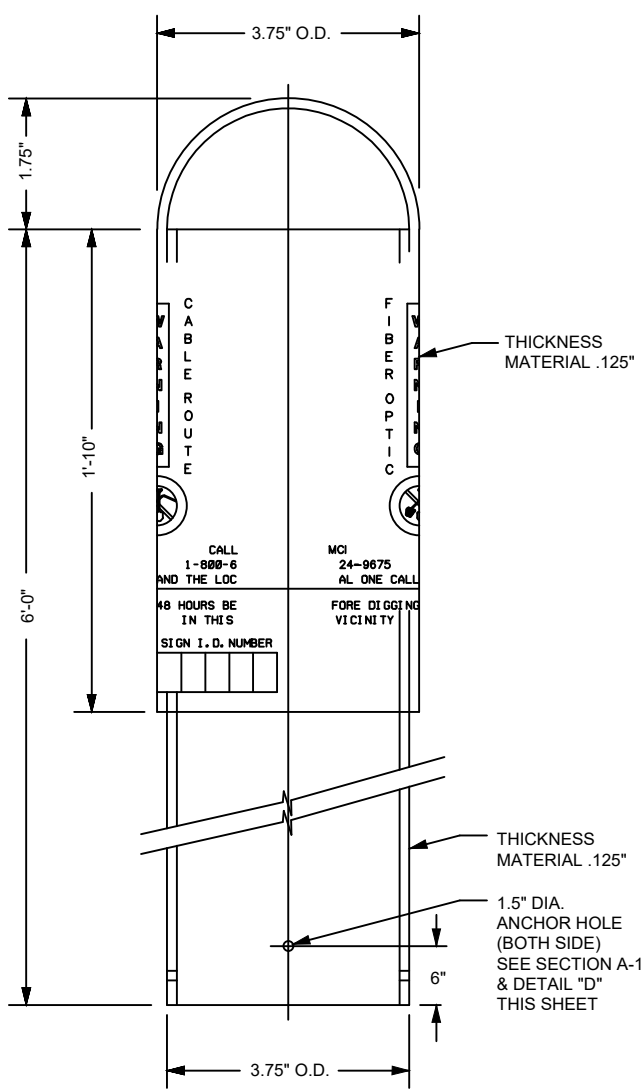
DETAIL "A"  
INSTALLATION VIEW



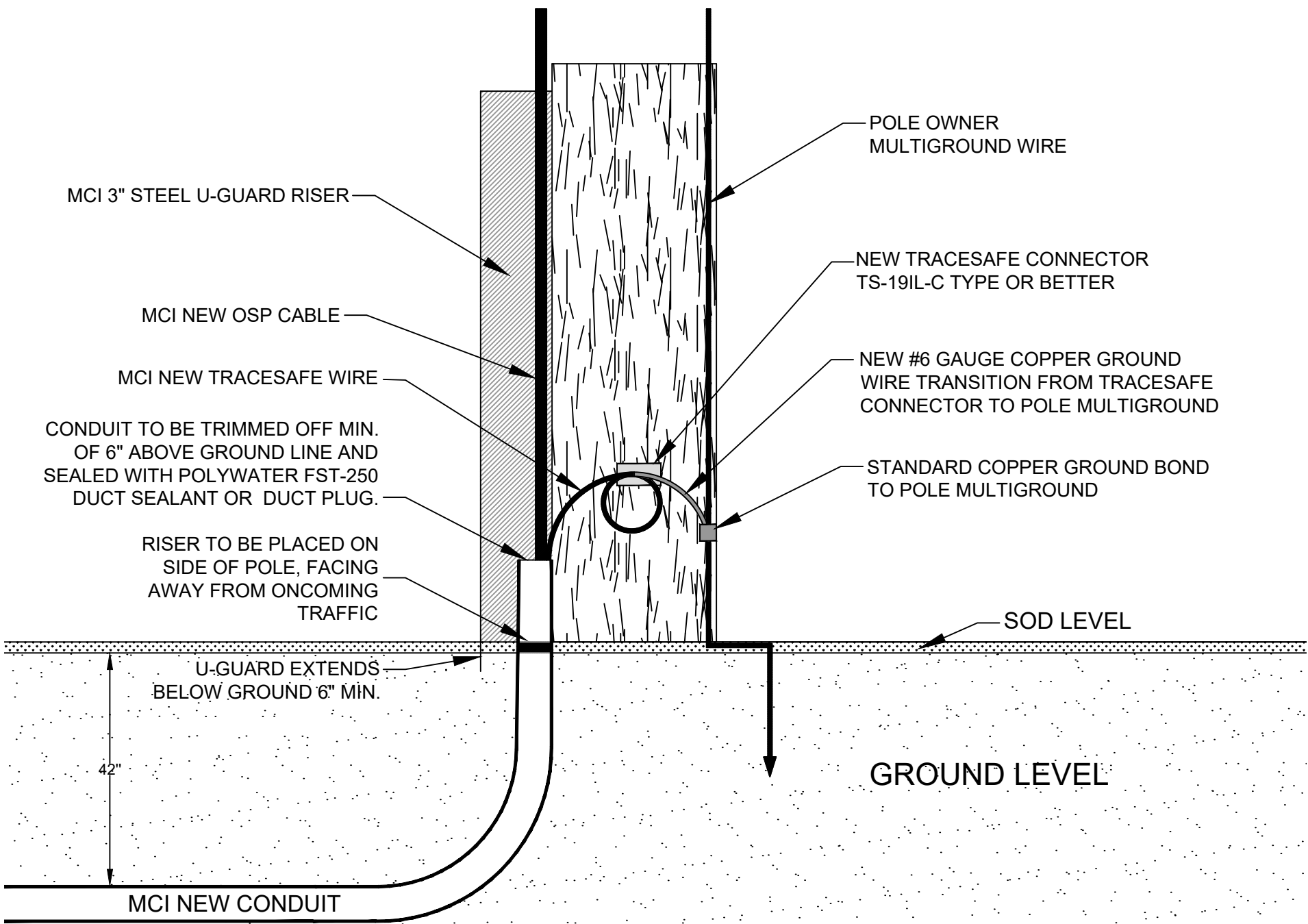
DETAIL "B"  
FRONT VIEW



DETAIL "C"  
SIDE VIEW



RISER SPECIFICATION DETAILS AND TRACESAFE TERMINATION

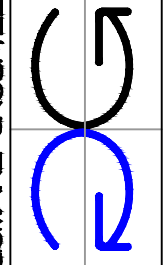


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PROJECT: P-505044-UG1  
SHOOK RD  
COLUMBUS, OH

PLANS PREPARED BY:

GIOMARE GROUP, LLC



TELECOM CONSULTING & ENGINEERING

MCImetro  
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION  
FACILITIES RELOCATION

SHOOK RD

DATE: 04/14/2025  
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SCALE  
HORIZONTAL: N/A  
VERTICAL: N/A  
MP      TO MP  
SHEET 12 OF 17.3  
FILE: P-505044-2404ADOA-UG1\_04142025

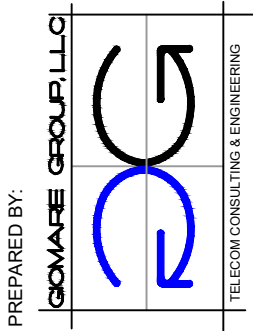
MISSING UTILITIES NOT PROVIDED THROUGH OH811  
REQUEST #B508601261-00B ALL UTILITIES MUST BE  
MARKED AND FLAGGED BEFORE CONSTRUCTIONS BEGINS



MCImetro

PROJECT: P-505044-UG1

SHOOK RD  
COLUMBUS, OH



PLANS PREPARED BY:

MCImetro  
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

FACILITIES RELOCATION

SHOOK RD

DATE: 04/14/2025

ENGINEER: HS

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REVISIONS

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48 HOURS NOTICE REQUIRED

SCALE

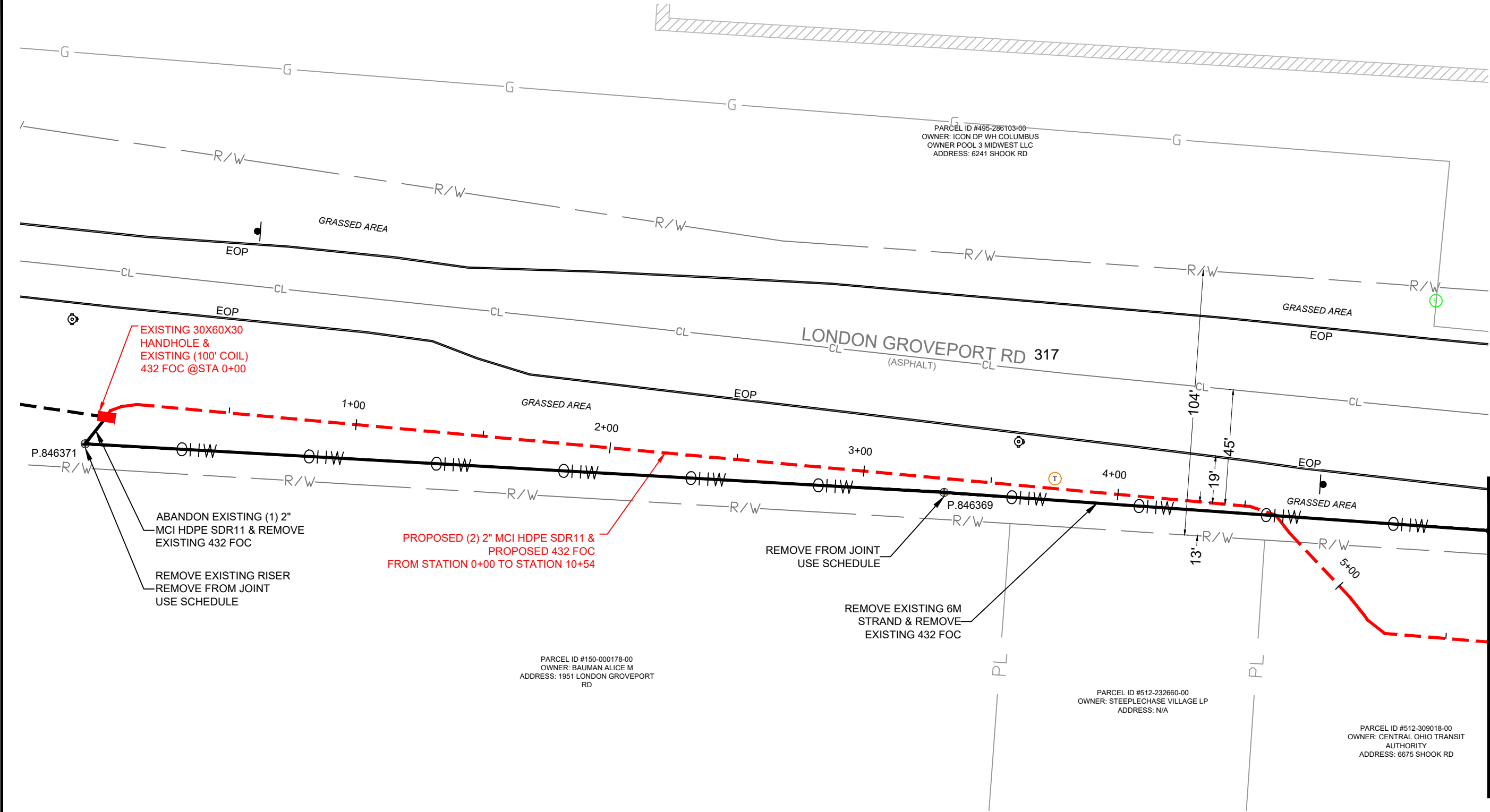
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VERTICAL: N/A

MP TO MP

SHEET 13 OF 17.3

FILE: P-505044-2404ADOA-UG1\_04142025

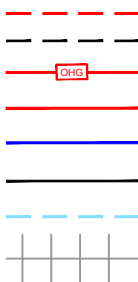


SEE SHEET 14 TO MATCH SURVEY STA 5+66

RIGHT OF WAY LINES WERE ESTABLISHED BY RESEARCH OF PUBLIC INFORMATION. NO BOUNDARY SURVEY OR PROPERTY LINE SURVEY WAS ESTABLISHED BY. RIGHT OF WAY BOUNDARY MUST BE FIELD VERIFIED BY A REGISTERED PROFESSIONAL LAND SURVEYOR TO ACCURATELY VERIFY RIGHT OF WAY PROPERTY LINES PRIOR TO CONSTRUCTION.

LEGEND:

DISCLAIMER: SYMBOLS ARE NOT TO SCALE AND ARE FOR REFERENCING PURPOSES ONLY

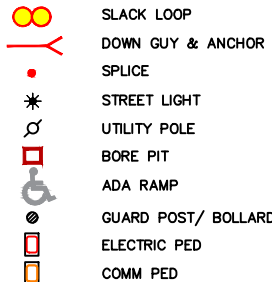


PROPOSED CONDUIT  
EXISTING CONDUIT  
PROPOSED OVERHEAD GUY WIRE  
PROPOSED FIBER OPTIC CABLE  
PROPOSED FIBER OPTIC TAIL  
EXISTING FIBER OPTIC CABLE  
FUTURE FIBER OPTIC CABLE  
RAILROAD TRACKS

STORM SEWER  
SANITARY SEWER  
WATER  
ELECTRIC  
GAS  
STREET LIGHTING  
TELECOM  
SHRUBS/BUSHES



PROPOSED HANDHOLE  
STORM DRAIN  
FIRE HYDRANT  
TRAFFIC SIGN  
TRAFFIC POLE  
VALVE  
RR SIGNAL  
MAILBOX  
CROSS WALK SIGNAL  
ELECTRIC CABINET  
COMM CABINET



SLACK LOOP  
DOWN GUY & ANCHOR  
SPICE  
STREET LIGHT  
UTILITY POLE  
BORE PIT  
ADA RAMP  
GUARD POST/ BOLLARD  
ELECTRIC PED  
COMM PED

CATV MH  
ELECTRIC MH  
SEWER MH  
TELEPHONE MH  
UNKNOWN MH  
GAS HH  
ELECTRIC HH  
HANDHOLE  
TRAFFIC HH  
COMM HH  
PROPOSED MH

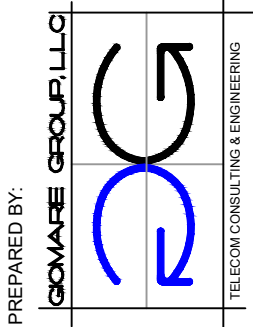
MISSING UTILITIES NOT PROVIDED THROUGH OH811  
REQUEST #B508601261-00B ALL UTILITIES MUST BE  
MARKED AND FLAGGED BEFORE CONSTRUCTIONS BEGINS



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PROJECT: P-505044-UG1

SHOOK RD  
COLUMBUS, OH



PLANS PREPARED BY:

GIOMARE GROUP, LLC

OUTSIDE PLANT CONSTRUCTION

FACILITIES RELOCATION

SHOOK RD

DATE: 04/14/2025

ENGINEER: HS

DRAWN BY: ZS

REVISIONS

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SCALE

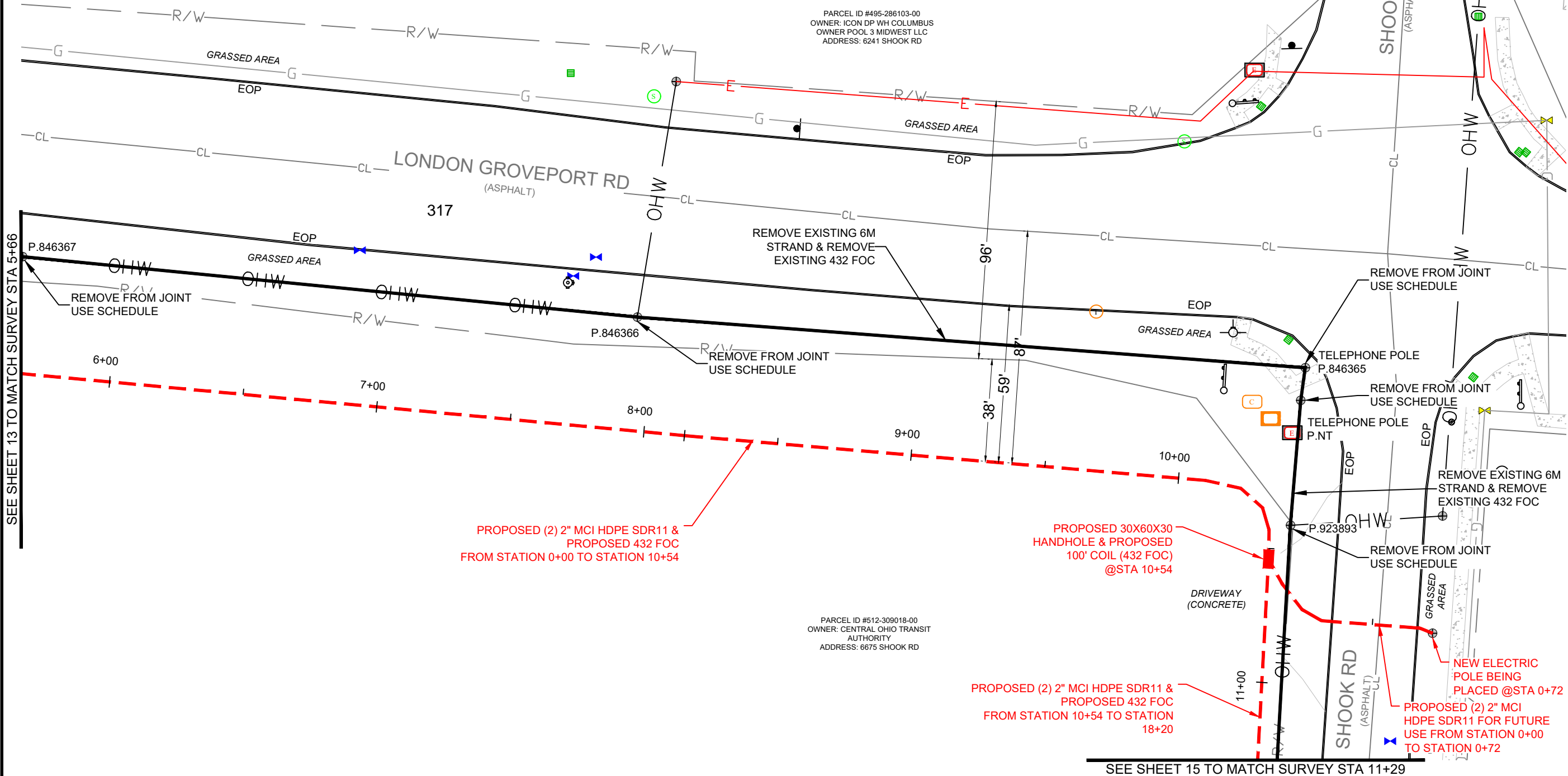
HORIZONTAL: 1:30

VERTICAL: N/A

MP TO MP

SHEET 14 OF 17.3

FILE: P-505044-2404ADOA-UG1\_04142025



SEE SHEET 13 TO MATCH SURVEY STA 5+66

SEE SHEET 15 TO MATCH SURVEY STA 11+29

LEGEND:

DISCLAIMER: SYMBOLS ARE NOT TO SCALE AND ARE FOR REFERENCING PURPOSES ONLY

	PROPOSED CONDUIT		STORM SEWER		PROPOSED HANDHOLE		SLACK LOOP		CATV MH
	EXISTING CONDUIT		SANITARY SEWER		STORM DRAIN		DOWN GUY & ANCHOR		ELECTRIC MH
	PROPOSED OVERHEAD GUY WIRE		WATER		FIRE HYDRANT		SPLICE		SEWER MH
	PROPOSED FIBER OPTIC CABLE		ELECTRIC		TRAFFIC SIGN		STREET LIGHT		TELEPHONE MH
	PROPOSED FIBER OPTIC TAIL		GAS		TRAFFIC POLE		UTILITY POLE		UNKNOWN MH
	EXISTING FIBER OPTIC CABLE		STREET LIGHTING		VALVE		BORE PIT		ELECTRIC HH
	FUTURE FIBER OPTIC CABLE		TELECOM		RR SIGNAL		ADA RAMP		HANDHOLE
	RAILROAD TRACKS		SHRUBS/BUSHES		MAILBOX		GUARD POST/ BOLLARD		TRAFFIC HH
					CROSS WALK SIGNAL		ELECTRIC PED		COMM HH
					ELECTRIC CABINET		COMM PED		PROPOSED MH
					COMM CABINET				

RIGHT OF WAY LINES WERE ESTABLISHED BY RESEARCH OF PUBLIC INFORMATION. NO BOUNDARY SURVEY OR PROPERTY LINE SURVEY WAS ESTABLISHED BY RIGHT OF WAY BOUNDARY MUST BE FIELD VERIFIED BY A REGISTERED PROFESSIONAL LAND SURVEYOR TO ACCURATELY VERIFY RIGHT OF WAY PROPERTY LINES PRIOR TO CONSTRUCTION.

MCImetro  
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TRAFFIC MANAGEMENT PLAN

MARE

GMG PROJECT P-505044-UG1

EWO: 2404ADOA

ADDRESS: LONDON GROVEPORT RD

COLUMBUS, OH

PROJECT NAME:

TABLE OF CONTENTS:  
PAGE 001: COVER PAGE  
PAGE 002: LOCATION MAP  
PAGE 003: PERMIT NOTES  
PAGE 004: MOT GENERAL NOTES  
PAGE 005: CONTRACTOR NOTES  
PAGE 006: SIDEWALK CLOSURE DETOUR & DIVERSION  
PAGE 007-009: TMP PLAN



LOCATION MAP  
COLUMBUS, OH



**MCImetro**

PROJECT: P-505044-UG1

LONDON GROVEPORT RD  
COLUMBUS, OH

PLANS PREPARED BY:

GIOMARE GROUP, LLC

TELECOM CONSULTING & ENGINEERING

MCImetro  
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION  
TRAFFIC MANAGEMENT PLAN  
LONDON GROVEPORT RD

DATE: 05/06/2025  
ENGINEER: HS  
DRAWN BY: PMK

REVISIONS		
DATE	DESCRIPTION	INITIAL

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SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP      TO MP

SHEET    2    OF    9

FILE: P-505044-2404ADOA-UG1 - TMPb



# PERMIT MOT NOTES

https://www.columbus.gov/publicservice/Design-and-Construction/Document-Library/

## 1. PERMIT MOT / TTC - SUBMITTAL

a.STANDARD DRAWINGS - ONLY COLUMBUS 1500-1550 WILL BE ACCEPTED FOR USE MOT / TTC ON PERMITS.

- b. SITE SPECIFIC TRAFFIC CONTROL PLANS  
REQUIRED - WHEN WORK ZONE IMPACTS A SIGNALIZED INTERSECTION.  
REQUIRED - WHEN WORK AREA IN THE CENTRAL BUSINESS DISTRICT (CBD).  
REQUIRED - WHEN REQUESTED BY MOT PERMIT REVIEW.  
REQUIRED - LAW ENFORCEMENT OFFICER (LEO) AT SIGNALIZED INTERSECTIONS.

## 2. MASS TRANSIT AND RIDE SHARE

- a. COTA BUS STOPS  
SHALL - CONTACT PRIOR TO START - PAUL EVANS - COTA SERVICE PROGRAM MANAGER (614) 308-4373 evanspm1@cota.com.  
THIRTY DAYS - ANY CLOSURE WHICH CREATES DELAY OR DÉTOUR ON ASSIGNED ROUTES REQUIRES A TEMPORARY RELOCATION.  
24 HOURS - PRIOR TO START OF CONSTRUCTION WITHIN 300 OF COTA ASSETS IN THE RIGHT OF WAY.  
IMMEDIATELY - IN EVENT OF UNPLANNED WORK AFFECTING COTA BUS STOPS.
- b. COTA ASSETS - SIGNS, BENNCHEs, PERMANENT STRUCTURES  
SHALL - CONTACT PRIOR TO START - PAUL EVANS - COTA SERVICE PROGRAM MANAGER (614) 308-4373 evanspm1@cota.com.  
SHALL - KEEP OPEN ALL STOPS & STATIONS IN WORK ZONE IF RELOCATION IS NOT REQUIRED BY COTA PROGRAM SERVICES MANAGER.
- c. COGO - RIDE SHARE BIKE CHARGING STATIONS  
SHALL - CONTACT PRIOR TO START - CHET RIDENOUR - COGO BIKE SHARE OPERATIONS MANAGER (614) 506-8100 cridenour@lyft.com.  
THIRTY DAYS - IF CLOSURE IMPACTS COGO BIKE STATION, LÌMITS PUBLIC ACCESS DURING CONSTRUCTION.  
24 HOURS - PRIOR TO START OF CONSTRUCTION WITHIN 300 OF COGO ASSETS.  
IMMEDIATELY - IN EVENT OF UNPLANNED WORK AFFECTING COGO/LIFT ASSETS

## 3. BIKES AND PEDESTRIANS

- a. BIKE LANE CLOSURE & BIKE SHARROWS  
WHEN BIKE LANE PAVEMENT MARKINGS EXIST BICYCLES MUST BE INCLUDED IN THE MOT / TTC PLAN.  
REFERENCE - MOT SHEET 1500 ADVANCE WARNING SIGNS WHEN CLOSING THE BIKE LANE AND MERGING BIKES.  
REFERENCE - MOT SHEET 1500 TABLE 4 ADVANCE WARNING SIGN SPACING.  
REQUIRED - ONE (1) SHARE THE ROAD SIGN MID-TAPER WHEN NO BIKE LANE BUT SHARROWS ONLY EXIST.

## b. SIDEWALKS / CROSSWALKS

THE CONTRACTOR:  
SHALL NOT CLOSE OPPOSING SIDEWALKS OR CROSSWALKS SIMULTANEOUSLY.  
SHALL KEEP SIDEWALKS & CROSSWALKS BEYOND THE ACTIVE WORK AREA OPEN AT ALL TIMES.  
SHALL PLACE R9-9 SIGNS EACH END OF THE ACTIVE WORK AREA.  
SHALL PLACE R9-11 SIGNS AT THE NEAREST ADA CROSSWALKS BEYOND THE ACTIVE WORK AREA.  
Note: Sidewalks defined ANY area within the right of way used by pedestrians.

## 4. PARKING

- a. DRIVEWAYS  
THE CONTRACTOR:  
SHALL PROVIDE 72 HOURS ADVANCE NOTICE WHEN CLOSING DRIVEWAYS.  
SHALL RESTORE ACCESS FOLLOWING END OF WORK THAT DAY AND MAINTAIN AREA IN COMPLIANCE WITH ADA REQUIREMENTS.  
SHALL MONITOR OBSTRUCTED DRIVEWAYS AND RESPONSIBLE TO MAINTAIN ACCESS AS NEEDED.
- b. ON STREET  
THE CONTRACTOR:  
SHALL CONTACT PARKING ENFORCEMENT (614) 645-4072 48 HOURS IN ADVANCE WHEN CLOSING METERED/APP PAY PARKING.  
SHALL LIMIT PARKING RESTRICTIONS TOAS NEEDED TO SAFELY COMPLETE THE WORK.  
SHALL PROVIDE 72 HOURS ADVANCE NOTICE TO RESIDENTS WHEN TEMPORARILY CLOSING ON STREET PARKING AREAS.  
SHALL RESTORE ACCESS FOLLOWING END OF EACH WORK DAY.  
SHALL MAINTAIN LANE WIDTH SUFFICIENT FOR VEHICLES TO SAFELY PASS THROUGH WORK AREA.  
SHALL MONITOR AND ASSIST PERMITTED HANDICAP PARKING SPACES AS DEFINED BY THE ADA.

## 5. ADVANCE WARNING SIGNS

- a. SIGNS, SIZES, SPACING, DISTANCE  
THE CONTRACTOR:  
SHALL PLACE SIGNS ON INTERSECTING STREETS WHEN NO WARNING SIGN IS SEEN PRIOR TO ENTERING THE WORK AREA.  
b. SIZES ≤ 40 MPH & BELOW CONSIDERED “LOW SPEED”AND 36”x 36”SHOULD BE USED.  
c. SIZES ≥- 45 MPH & ABOVE CONSIDERED “HIGH SPEED”AND 48”x 48”SHOULD BE USED.  
d. SPACING- PER PERMIT MOT SHEET 1500, TABLE 2.  
e. DISTANCE -A- VARIES IF TURN ONLY LANES EXIST. THE SPACE FROM STOP BAR TO TURN LANE PAVEMENT ORIGIN, THEN CONTINUE SIGN SPACING PER PERMIT MOT SHEET 1500, TABLE 2.

## 6. TMC - SIGNAL TIMING, CAMERA MONITORING AND RECORDING

- a. CITY OF COLUMBUS TMG TRAFFIC MANAGEMENT CENTER (614) 645-7249  
b. SIGNALS- TIMING CHANGES MAY BE REQUESTED BY SPECIAL DUTY LAW ENFORCEMENT OFFICER (LEO).  
c. CAMERAS- MONITORING AND RECORDING MUST BE ARRANGED 72 HOURS IN ADVANCE.

## 7. SHOULDER CLOSURES

- a. DEFINITIONS: Edge of Pavement (EOP), Back of Curb (BOC), Face of Curb (FOC), Solid White Line (SWL), Lane of Travel (LOT)  
THE CONTRACTOR:  
SHALL NOT OCCUPY, BLOCK OR IMPEDE A LANE OF TRAVEL (LOT) WHILE USING A SHOULDER CLOSURE PER STD DWG 1523.  
SHALL PERFORM WORK BEYOND THE EDGE OF PAVEMENT (EOP), SOLID WHITE LINE (SWL), LANE OF TRAVEL (LOT), OR BACK OF CURB (BOC).  
SHALL MAINTAIN A BUFFER, SAFE DISTANCE FROM THE SWL FOR TRAFFIC CONTROL DEVICE PLACEMENT ON EOP, SWL OR LOT.  
SHALL PLACE R9-9 & R9-11 SIGNS FOR SIDEWALK CLOSURE & PEDESTRIAN DETOURS PER STD DWG 1529 FOR PEDESTRIAN SAFETY.  
SHALL SECURE PERMISSION IN ADVANCE TO PARK, STORE, STAGE & SITE ACCESS FROM PRIVATE PROPERTY.
- GUIDANCE:  
b. Work Zone- Equipment, Staging & Storage is prohibited within 2 of the EOP, SWL, and LOT.  
Traffic Conditions - Must remain normal when deploying shoulder closures.  
Separation - A 2 Buffer between the work zone and lane of travel must be maintained.  
Compliance - If not in compliance with the above MOT Approval is REVOKED.  
Cease work immediately & Contact MOT Supervisor immediately (614) 645-0355.

## 8. EASEMENTS

a.EASEMENT ACCESS WITHIN PUBLIC RIGHT OF WAY

THE CONTRACTOR:  
SHALL DEPLOY TRAFFIC CONTROL WHEN STAGING, STORAGE AND ACCESSING EASEMENTS.  
SHALL DEPLOY PEDESTRIAN SAFETY MEASURES.

b.NOTES- Typical 1550.1 Traffic Control Plan when Accessing Easements Follow the Guidance Above

## PERMIT MOT RECOMMENDED TRAFFIC CONTROL DEVICE SPACING

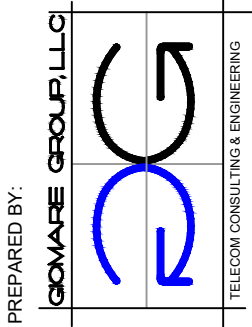
- a. **Spacing** - The Distance Between Devices Used for Temporary Traffic control is "Device Spacing"  
b. **Lane Width** - Minimum 11' At All Times (When Possible)  
c. **Device Spacing Formula**  
Posted Speed Limit = \*S  
Tangents: \*S x 1.00  
Work Zones: \*S x 0.50  
Tapers: \*S x 0.66  
Corner Radii: \*S ≤40 MPH = (6'- 8')  
\*S ≥45 MPH = (8'-10')

MCImetro

PROJECT: P-505044-UG1

LONDON GROVEPORT RD

COLUMBUS, OH



PLANS PREPARED BY:

ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TRAFFIC MANAGEMENT PLAN

LONDON GROVEPORT RD

DATE: 05/06/2025

ENGINEER: HS

DRAWN BY: PMK

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### SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP TO MP

SHEET 3 OF 9

FILE: P-505044-2404AD0A-UG1 - TMPb

PERMIT MOT NOTES: 03/06/2024



NOTE TO CONTRACTOR:

This traffic control plan impacts the City of Columbus Division of Fire  
and multiple first responders providing services to Mount Carmel East Hospital

You are required to provide advance notification 72 hours (min) prior to start.

Berwick Fire Station, Battalion 4, Station 4  
3030 Winchester Pike, Columbus, Ohio 43232  
Contact: Captain James Ciroli (or the officer on duty)  
(614) 221-3132 x74404 - JMCiroli@columbus.gov

Olde Orchard Fire Station, Battalion 6, Station 5  
211 McNaughten Rd, Columbus, Ohio 43213  
Contact: Captain Robert Vachio (Or Officer on Duty)  
(614) 221-3132 x74405 - RJVachio@Columbus.gov

Eastmoor Fire Station, Battalion 6, Station 21  
3294 E. Main St, Columbus, Ohio 43213  
Contact: Chief Kent Miller or (the Officer on Duty).  
(614) 221-3132 x74421 - MillerK@Columbus.gov  
Chief Miller cell: (614)-749-8183

Big Walnut Fire Station , Battalion 6, Station 23  
4451 E. Livingston Ave, Columbus, Ohio 43227  
Contact: Captain Phillip Brunney Jr (or the officer on duty).  
(614) 221-3132 x74401, x74423 - PDBrunney@Columbus.gov

Waggoner Road Fire Station, Station 35  
711 Waggoner Rd, Columbus, Ohio 43004  
Contact: Captain David S. McCallum (or the officer on duty)  
(614) 221-3132 x74435- DSMcCallum@Columbus.gov

Madison Township Fire Department, Station 182  
6600 Gender Road Canal Winchester, OH 43110  
Contact: the Officer on Duty  
(614) 828-8545 - tbott@madisontownship.org

Madison Township Fire Department, Station 183  
3228 Noe Bixby Road Columbus, OH 43232  
Contact: the Officer on Duty  
(614) 828-8545 - tbott@madisontownship.org

Whitehall - Division of Fire  
390 Yearling Rd, Whitehall, Ohio 43213  
Contact: Asst. Chief Kevin Watts (or the Officer on Duty)  
(614) 237-0831 - kevin.watts@whitehall-oh.us

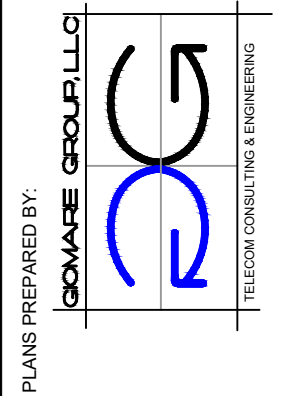
Truro Township Fire Department, Stations: 161 & 162  
6900 E. Main St, Reynoldsburg, Ohio 43068  
Contact: Assistant Chief Bryan (or the officer on duty).  
(614) (614) 729-1902 - cbryan@trurotpw.org

West Licking County Joint Fire District,  
Stations: 401, 402, 403, 404, 405 & 406  
851 E. Broad St, Pataskla, Ohio 43062  
Contact: Chief Jack Treinish (or the Officer on Duty)  
(740) 927-8600 - jtreinish@westlickingfire.org  
Assistant Fire Chief Joe Krouse  
(740) 927-8600 - jkrouse@westlickingfire.org

MCImetro

PROJECT: P-505044-UG1

LONDON GROVEPORT RD  
COLUMBUS, OH



MCImetro ACCESS TRANSMISSION SERVICES, LLC	OUTSIDE PLANT CONSTRUCTION TRAFFIC MANAGEMENT PLAN LONDON GROVEPORT RD
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DATE: 05/06/2025

ENGINEER: HS

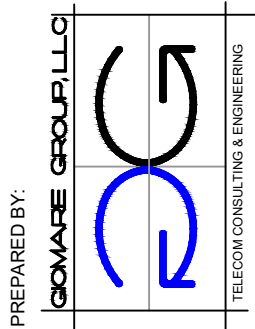
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SCALE	
HORIZONTAL:	N/A
VERTICAL:	N/A
MP	TO MP
SHEET 5	OF 9
FILE:	P-50504 1-2404ADOA-UG1 - TMPb





PLANS PREPARED BY:

MCImetro  
ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TRAFFIC MANAGEMENT PLAN

LONDON GROVEPORT RD

DATE: 05/06/2025

ENGINEER: HS

DRAWN BY: PMK

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SCALE

HORIZONTAL: N/A

VERTICAL: N/A

MP TO MP

SHEET 6 OF 9

FILE: P-505044-2404AD0A-UG1 - TMPb

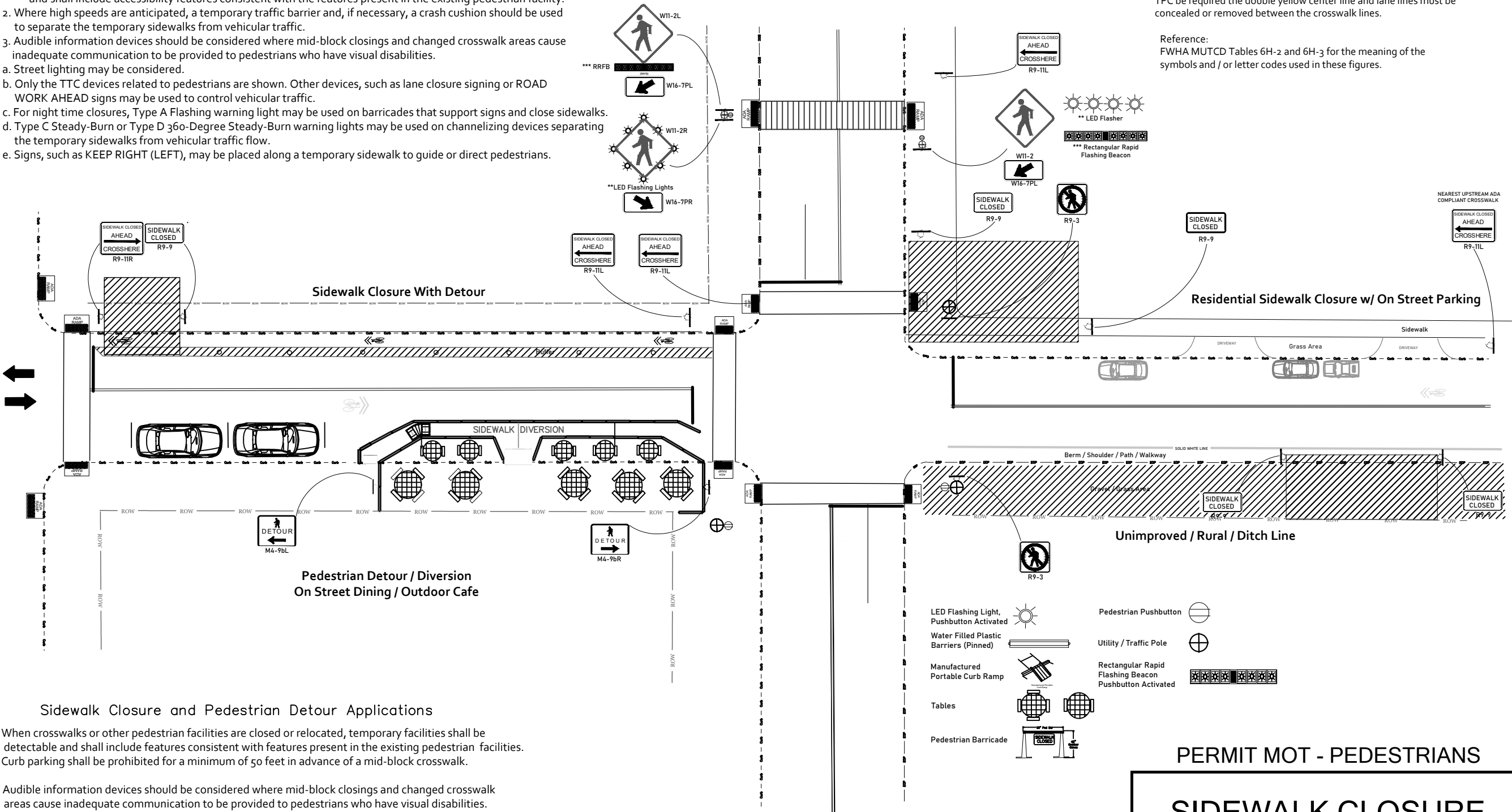
Sidewalk Closure and Pedestrian Diversion Applications

- Standards: 1. When crosswalks or other pedestrian facilities are closed or relocated temporary facilities shall be detectable and shall include accessibility features consistent with the features present in the existing pedestrian facility.
- Guidance: 2. Where high speeds are anticipated, a temporary traffic barrier and, if necessary, a crash cushion should be used to separate the temporary sidewalks from vehicular traffic.
3. Audible information devices should be considered where mid-block closings and changed crosswalk areas cause inadequate communication to be provided to pedestrians who have visual disabilities.
- Options: a. Street lighting may be considered.
- b. Only the TTC devices related to pedestrians are shown. Other devices, such as lane closure signing or ROAD WORK AHEAD signs may be used to control vehicular traffic.
- c. For night time closures, Type A Flashing warning light may be used on barricades that support signs and close sidewalks.
- d. Type C Steady-Burn or Type D 360-Degree Steady-Burn warning lights may be used on channelizing devices separating the temporary sidewalks from vehicular traffic flow.
- e. Signs, such as KEEP RIGHT (LEFT), may be placed along a temporary sidewalk to guide or direct pedestrians.

Detour to Existing Mid-Block Crosswalk  
\*See Note

\* City of Columbus, Permit MOT Review does not recommend the use of Temporary Pedestrian Crosswalks (TPC) for short term work zones. Should a TPC be required the double yellow center line and lane lines must be concealed or removed between the crosswalk lines.

Reference:  
FHWA MUTCD Tables 6H-2 and 6H-3 for the meaning of the symbols and / or letter codes used in these figures.



Sidewalk Closure and Pedestrian Detour Applications

- Standard: 1. When crosswalks or other pedestrian facilities are closed or relocated, temporary facilities shall be detectable and shall include features consistent with features present in the existing pedestrian facilities.
2. Curb parking shall be prohibited for a minimum of 50 feet in advance of a mid-block crosswalk.
- Guidance: 1. Audible information devices should be considered where mid-block closings and changed crosswalk areas cause inadequate communication to be provided to pedestrians who have visual disabilities.
2. Pedestrian traffic signal displays controlling closed crosswalks should be covered or deactivated.
- Options: a. Street lighting may be considered.
- b. Only TTC devices related to pedestrians are shown. Other devices, such as lane closure signing or ROAD WORK AHEAD signs may be used to control vehicular traffic.
- c. Type C Steady-Burn or Type D 360-degree Steady-Burn warning lights may be used in channelizing devices separating the work area from vehicular traffic.
- d. In order to maintain systematic use of florescent yellow-green background for pedestrian, bicycle and school warning signs in a jurisdiction, the fluorescent yellow-green background for pedestrian, bicycle and school warning signs may be used in TTC zones.

City of Columbus Permit MOT Policy

"Sidewalks" are defined as ANY area within the Right Of Way used by pedestrians.

- SHALL NOT - Close Opposing Sidewalks or Crosswalks Simultaneously.
- SHALL - Place Sidewalk Closed (R9-9) signs on each end of the Work Zone
- SHALL - Place Pedestrian Detour signs at nearest ADA Compliant crosswalk beyond the Work Zone.

Sidewalk Closure, Detour & Diversion (TA-28, TA-29) are based on FHWA'S MUTCD 2023 Edition Revised for Columbus Permit MOT Plans

PERMIT MOT - PEDESTRIANS

SIDEWALK CLOSURE  
DETOUR & DIVERSION

CITY OF COLUMBUS, OHIO  
DEPARTMENT OF PUBLIC SERVICE  
DIVISION OF DESIGN AND CONSTRUCTION

Preliminary

rcpennington

STD DWG  
1529

03/06/2024

SHEET 1 / 1



MAINTENANCE OF TRAFFIC PLAN (MOT) PHASE 1 SHEET 1



**MCImetro**

PROJECT: P-505044-UG1

LONDON GROVEPORT RD  
COLUMBUS, OH

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OUTSIDE PLANT CONSTRUCTION  
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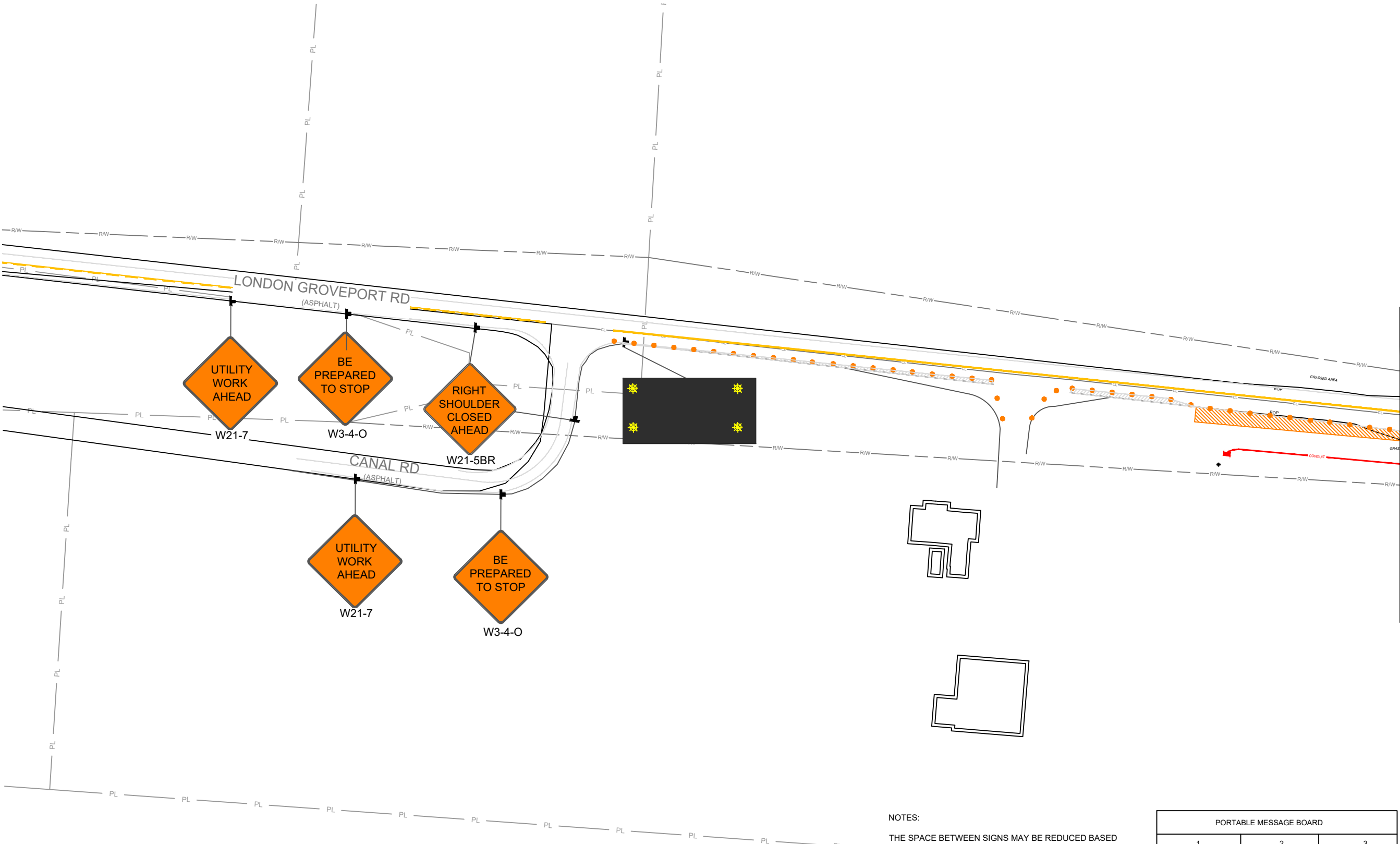
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DRAWN BY: PMK

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Know what's below.  
Call before you dig.  
CALL BEFORE YOU DIG  
<https://www.oups.org/>  
48 HOURS NOTICE REQUIRED

SCALE  
HORIZONTAL: 1:100  
VERTICAL: N/A  
MP \_\_\_\_\_ TO MP \_\_\_\_\_  
SHEET 7 OF 9  
FILE: P-505044-2404ADOA-UG1 - TMPb



NOTES:

THE SPACE BETWEEN SIGNS MAY BE REDUCED BASED ON FIELD CONDITIONS AND WITH THE INTENT TO MINIMIZE MOTORIST CONFUSION

CHANNELIZING DEVICES SHALL BE SPACED CENTER TO CENTER PER SHEET 3 CHANNELIZATION CHART

ALL WORK, BUFFER, TAPER ZONES AND CHANNELIZATION DEVICES SHALL COMPLY WITH FEDERAL, STATE AND LOCAL MUTCD REGULATIONS

PORTABLE MESSAGE BOARD		
1	2	3
RIGHT SHOULDER CLOSED	BE PREPARED TO STOP	LANE SHIFT AHEAD
3.0 SECS	3.0 SECS	3.0 SECS

MAINTENANCE OF TRAFFIC PLAN (MOT) PHASE 1 SHEET 2



**MCImetro**

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LONDON GROVEPORT RD  
COLUMBUS, OH

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OUTSIDE PLANT CONSTRUCTION  
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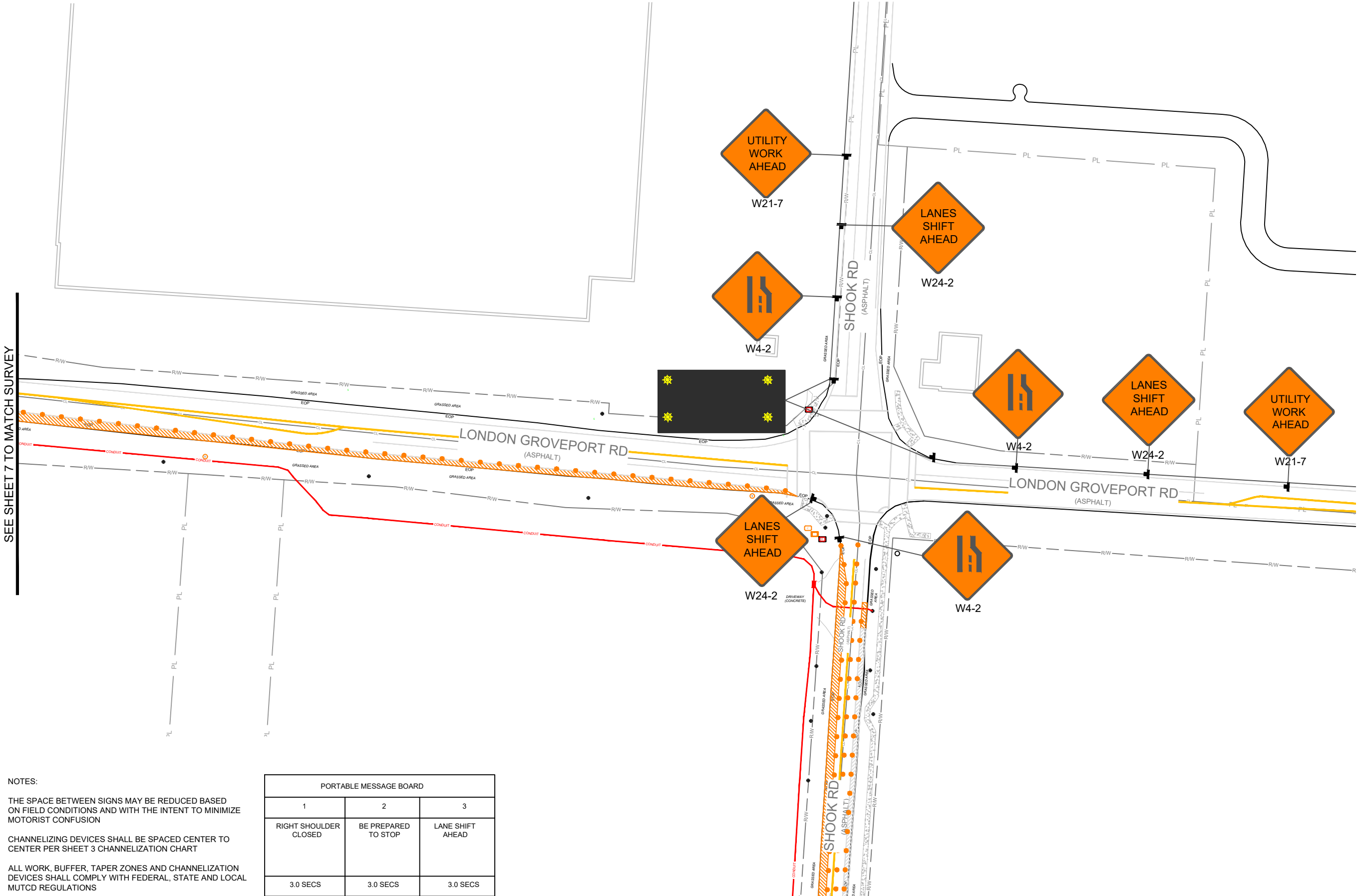
HORIZONTAL: 1:100

VERTICAL: N/A

MP      TO MP     

SHEET 8 OF 9

FILE: P-505044-2404ADOA-UG1 - TMPb



SEE SHEET 7 TO MATCH SURVEY

SEE SHEET 9 TO MATCH SURVEY

NOTES:

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CHANNELIZING DEVICES SHALL BE SPACED CENTER TO CENTER PER SHEET 3 CHANNELIZATION CHART

ALL WORK, BUFFER, TAPER ZONES AND CHANNELIZATION DEVICES SHALL COMPLY WITH FEDERAL, STATE AND LOCAL MUTCD REGULATIONS

PORTABLE MESSAGE BOARD		
1	2	3
RIGHT SHOULDER CLOSED	BE PREPARED TO STOP	LANE SHIFT AHEAD
3.0 SECS	3.0 SECS	3.0 SECS

MAINTENANCE OF TRAFFIC PLAN (MOT) PHASE 1 SHEET 3



**MCImetro**

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COLUMBUS, OH

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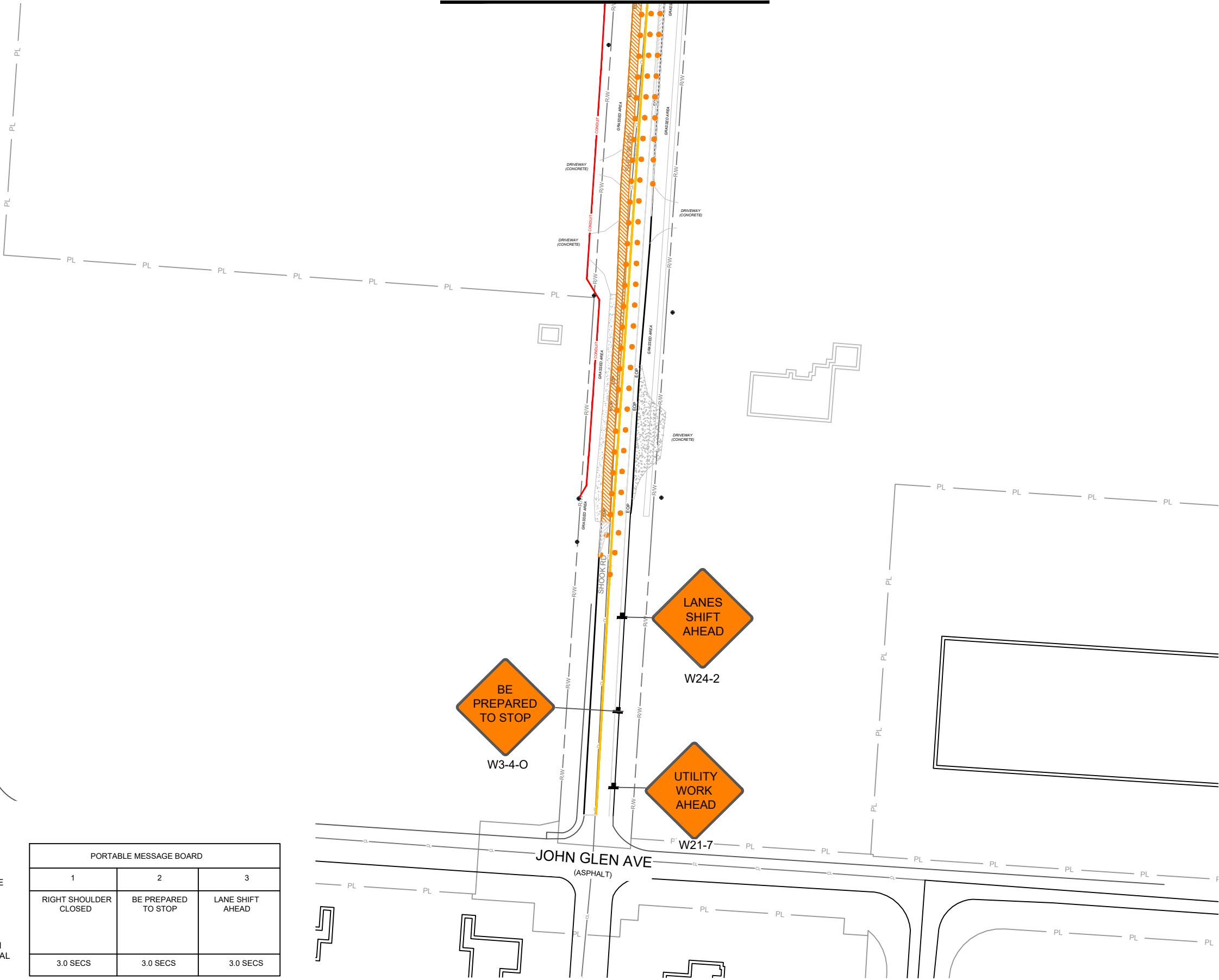
VERTICAL: N/A

MP \_\_\_\_\_ TO MP \_\_\_\_\_

SHEET 9 OF 9

FILE: P-505044-2404ADOA-UG1 - TMPb

SEE SHEET 8 TO MATCH SURVEY



NOTES:

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CHANNELIZING DEVICES SHALL BE SPACED CENTER TO CENTER PER SHEET 3 CHANNELIZATION CHART

ALL WORK, BUFFER, TAPER ZONES AND CHANNELIZATION DEVICES SHALL COMPLY WITH FEDERAL, STATE AND LOCAL MUTCD REGULATIONS

PORTABLE MESSAGE BOARD		
1	2	3
RIGHT SHOULDER CLOSED	BE PREPARED TO STOP	LANE SHIFT AHEAD
3.0 SECS	3.0 SECS	3.0 SECS