

MODEL: G:\001 PAPER\SIZE: 34x22 (in.) DATE: 4/20/2026 TIME: 10:21:28 AM PLTDRV: OHDOT_PDF.plt PENTBL: OHDOT_UTTFen.tbl USER: klnvll@leceing.com WORKSPACE: OHDOTCEw02 WORKSET: 116550 PRODUCT: OpenRoadsDesigner 24.00.00.205 \10.1.1.4\projects\2023 Projects\23488 Silverton, Village of\002 Plainfield and Montgomery\116550\400-Engineering\Roadway\Sheets\116550_GN001.dgn

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN.

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

ELECTRIC - DUKE ENERGY

7600 COLERAIN AVE., CINCINNATI, OH 45207
(513) 910-9184 (TONY PAINTER)
TONY.PAINTER@DUKE-ENERGY.COM

ELECTRIC - DUKE ENERGY (DISTRIBUTION)

2010 DANA AVE., CINCINNATI, OHIO 45207
(513) 514-8209 (CHRIS TEPE)
CHRIS.TEPE@DUKE-ENERGY.COM

GAS - DUKE ENERGY

139 E. FOURTH ST., RM 460A, CINCINNATI, OHIO 45202
(513) 287-2517 (ANDREW MCNICHOLS)
ANDREW.MCNICHOLS@DUKE-ENERGY.COM
OH/KYHOUSEBILL@DUKE-ENERGY.COM

SANITARY - METROPOLITAN SEWER DISTRICT

1600 GEST ST., CINCINNATI, OHIO 45204
(513) 882-8468 (ROBERT FRANKLIN)
MSDUTILITYREVIEW@CINCINNATI-OH.GOV

TELEPHONE (UNDERGROUND) - ALTA FIBER

201 E. FOURTH STREET, CINCINNATI, OH 45202
(513) 565-7187/(513) 702-1040 (BRECK COWAN)
BRECK.COWAN@ALTA FIBER.COM

TELEPHONE (AERIAL) - ALTA FIBER

209 WEST 7TH ST., BLDG 121-900, CINCINNATI, OH 45202
(513) 706-9085 (BEN DICKASON)
BEN.DICKASON@ALTA FIBER.COM

TELEPHONE/CABLE - MCI/VERIZON

5400 DUFF DR, CINCINNATI, OH 45246
(757) 799-8038 (CYNTHIA MARTINEZ)
CYNTHIA.MARTINEZ@VERIZON.COM

TELEPHONE/CABLE - CHARTER COMMUNICATION/SPECTRUM

10920 KENWOOD RD., BLUE ASH, OH 45242
DL-SOUTHERN-OHIO-OUTSIDE-PLANT@CHARTER.COM

WATER - GREATER CINCINNATI WATER WORKS

4747 SPRING GROVE AVE., CINCINNATI, OH 45232
(513) 591-5056 (MICHAEL COSSINS)
GCWW.UTILITY.REVIEW@GCWW.CINCINNATI-OH.GOV
MICHAEL.COSSINS@GCWW.CINCINNATI-OH.GOV

LUMEN (LEVEL 3)

TULSA, OK
(918) 547-9919 (RENOY THOMAS - RELOCATIONS)
RENOY.THOMAS@LUMEN.COM
RELOCATIONS@LUMEN.COM

VILLAGE OF SILVERTON

6943 MONTGOMERY RD., SILVERTON, OH 45236
(513) 936-6240 (JACK CAMERON)

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 2 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: ODOT VRS
MONUMENT TYPE: B

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: 12A

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: GRS 80
COORDINATE SYSTEM: CUSTOM O.D.O.T. HAMILTON LDP*
HAMILTON LDP PROJECTION PARAMETERS:

PROJECTION: LCC 1 PARALLEL
CENTRAL LATITUDE: N 39°06'00"
CENTRAL LONGITUDE: E 275°24'00"
FALSE NORTHING: 100,000 METERS
FALSE EASTING: 50,000 METERS
PROJECTION SCALE FACTOR: 1.000026

*THE LOW DISTORTION PROJECTION (LDP) IS A LOCAL COUNTY PROJECTION DEVELOPED BY O.D.O.T. THE DISTORTION BETWEEN GROUND AND GRID IS SO MINIMAL THAT THERE IS NO NEED FOR A SCALE FACTOR TO ADJUST BETWEEN GRID AND GROUND COORDINATES. CONTACT THE DISTRICT SURVEY DEPARTMENT FOR FURTHER INFORMATION OR QUESTIONS.

UNITS ARE IN U.S. SURVEY FEET. USE THE FOLLOWING CONVERSION FACTOR: 1 METER = 3.280833333 U.S. SURVEY FEET.

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, TOPSOIL	12.0	CU. YD.
659, SEEDING AND MULCHING	111.0	SQ. YD.
659, REPAIR SEEDING AND MULCHING	6.0	SQ. YD.
659, COMMERCIAL FERTILIZER	0.01	TON
659, LIME	0.02	ACRES
659, WATER	0.6	M. GAL.
659, MOWING	0.3	M. SQ. FT.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ITEM 203 - ROADWAY, MISC: REMOVE AND RESET EXISTING STREET FURNITURE

THIS ITEM INCLUDES COORDINATION WITH THE PROPERTY OWNER TO TEMPORARILY REMOVE AND RESET SEATING, PLANTERS, TRASH BINS, FENCING, ETC. THAT IS LOCATED AT MVP SPORTS BAR & GRILLE LOCATED AT 6923 PLAINFIELD RD (STA. 311+00) AND KEN ANDERSON ALLIANCE AT 6942 PLAINFIELD RD (STA. 313+00) DURING CONSTRUCTION OF THE NEW WALK.

THE PLANS CALL FOR THE ENTIRE SIDEWALK TO BE REPLACED BETWEEN THE PROPOSED CURB AND FACE OF THE BUILDING. TO DO SO, THE EXISTING STREET FURNITURE MUST BE MOVED TO COMPLETE THE WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE OWNER TO PERFORM THIS WORK AT THE LEAST INCONVENIENCE TO THE BUSINESS AND PEDESTRIANS ALONG PLAINFIELD. THE REMOVAL OF THE ITEMS IS THE RESPONSIBILITY OF THE PROPERTY OWNER BUT MUST BE DONE SO WITH THE COORDINATION OF THE CONTRACTOR.

THE VILLAGE SHALL PROVIDE THE CONTRACTOR WITH A NAME AND PHONE NUMBER OF THE PROPERTY OWNER. PRIOR TO ANY WORK BEING DONE, THE CONTRACTOR AND THE ENGINEER WILL MEET TO REVIEW THE CURRENT CONDITION OF THE EQUIPMENT AND DISCUSS THE METHODS OF REMOVAL AND RELOCATION.

ITEM 203 - ROADWAY, MISC: REMOVE BRICK SILVERTON SIGN

THIS ITEM INCLUDES ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED TO REMOVE THE EXISTING BRICK SILVERTON SIGN THAT IS LOCATED ON THE SOUTHEAST CORNER OF PLAINFIELD RD/MONTGOMERY RD.

Item updated to be a removal, not relocation

ITEM 203 - ROADWAY, MISC: REMOVE EX. BENCH

THIS ITEM INCLUDES ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED TO REMOVE THE BENCHES LOCATED IN THE PLANS. THE BENCHES SHOULD BE DELIVERED TO THE VILLAGE'S PUBLIC WORKS DEPARTMENT FOR STORAGE. ANY DAMAGE TO THE BENCHES DURING REMOVAL OR DELIVERY IS INCIDENTAL TO THIS ITEM. PRIOR TO ANY WORK BEING DONE, THE CONTRACTOR AND THE ENGINEER WILL MEET TO REVIEW THE CURRENT CONDITION OF THE EQUIPMENT AND DISCUSS THE METHODS OF REMOVAL AND RELOCATION.

ITEM 203 - ROADWAY, MISC: RELOCATE EV CHARGING STATIONS

1. GENERAL

1.1 DESCRIPTION OF WORK
THIS WORK CONSISTS OF THE REMOVAL, RELOCATION, AND REINSTALLATION OF TWO (2) EXISTING EV CHARGING STATIONS, INCLUDING ASSOCIATED FOUNDATIONS, CONDUIT, CONDUCTORS, COMMUNICATIONS EQUIPMENT, AND APPURTENANCES, COMPLETE AND OPERATIONAL.

EACH EV CHARGING STATION INCLUDES:
-TWO (2) FLO CORE+ EV CHARGERS, EACH SERVED BY A DEDICATED 40-AMP, 208-VOLT CIRCUIT ORIGINATING FROM THE EXISTING ELECTRICAL PANEL "P1" IN THE ADJACENT BUILDING.

-ONE (1) CONDUIT ROUTED FROM THE BUILDING TO EACH STATION, CONTAINING ALL REQUIRED CHARGER POWER CIRCUITS.

-ONE (1) STATION INCLUDES A COMMUNICATIONS GATEWAY MOUNTED IN A JUNCTION BOX WITH RECEPTACLE ON THE STATION, SERVED BY A DEDICATED 120-VOLT CIRCUIT ROUTED WITHIN THE SAME CONDUIT AS THE CHARGER POWER CONDUCTORS.

-TWO (2) ELECTRIC VEHICLE CHARGING SIGNS, POSTS, AND PARKING BLOCKS PER STATION.

2. EXISTING CONDITIONS

-EXISTING CHARGERS, CONDUCTORS, AND GATEWAY EQUIPMENT SHALL BE ASSUMED TO BE OPERATIONAL PRIOR TO REMOVAL.
-EXISTING ELECTRICAL PANELS SERVING THE CHARGERS SHALL REMAIN IN USE.

-EXACT ROUTING, SIZES, AND CONDITIONS OF EXISTING CONDUIT WITH THE BUILDING SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

3. REMOVAL

3.1 EQUIPMENT REMOVAL

-CAREFULLY DISCONNECT, REMOVE, AND PROTECT THE EXISTING EV CHARGING STATIONS, CHARGERS, GATEWAY, JUNCTION BOXES, MOUNTING PEDESTALS, SIGNS, AND ASSOCIATED APPURTENANCES.
-EQUIPMENT INTENDED FOR REUSE SHALL BE PROTECTED FROM DAMAGE AND STORED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.

3.2 ELECTRICAL DISCONNECTION

-DE-ENERGIZE, DISCONNECT, AND REMOVE EXISTING CONDUCTORS AS REQUIRED TO FACILITATE RELOCATION.

4. NEW FOUNDATIONS AND CONDUIT

4.1 FOUNDATIONS

-CONSTRUCT NEW CONCRETE FOUNDATIONS AT THE RELOCATED STATION LOCATIONS (SEE PLAN SHEET #) IN ACCORDANCE WITH EV CHARGER MANUFACTURER REQUIREMENTS.
-PROVIDE EMBEDDED CONDUIT ENTRIES AND ANCHORAGE AS REQUIRED FOR PROPER INSTALLATION.

4.2 CONDUIT INSTALLATION

-INSTALL (2) NEW 1-1/2" PVC CONDUIT FROM THE EXISTING PANEL TO EACH RELOCATED STATION.

-ALL CONDUIT UNDER THE PARKING LOT SHALL BE DIRECTIONALLY BORED TO MINIMIZE PAVEMENT SURFACE DISTURBANCE.

-PROVIDE ONE (1) CONDUIT PER STATION CONTAINING ALL REQUIRED CIRCUITS.

-FOR THE STATION WITH THE COMMUNICATIONS GATEWAY, ROUTE THE GATEWAY 120-VOLT CIRCUIT WITHIN THE SAME CONDUIT AS THE CHARGER CIRCUITS.

-CONDUIT SIZE, TYPE, DEPTH, AND ROUTING SHALL COMPLY WITH NEC AND LOCAL CODE REQUIREMENTS. SEE PLAN SHEET FOR GENERAL ROUTING CONCEPT.

-ADD PULL BOXES AS NEEDED TO ACCOMMODATE CIRCUIT ROUTING.

ITEM 203 - ROADWAY, MISC: RELOCATE EV CHARGING STATIONS (CONT.)

5. ELECTRICAL WORK

5.1 CONDUCTORS

-FURNISH AND INSTALL NEW CIRCUIT CONDUCTORS FROM THE EXISTING ELECTRICAL PANELS TO THE RELOCATED STATIONS. SEE PLAN SHEET FOR DETAILS.

-EACH CHARGER SHALL CONTINUE TO BE SERVED BY A DEDICATED 40-AMP CIRCUIT.

-THE GATEWAY AND ASSOCIATED RECEPTACLE SHALL CONTINUE TO BE SERVED BY A DEDICATED 120-VOLT CIRCUIT.

-PROVIDE GROUNDING AND BONDING IN ACCORDANCE WITH NEC AND MANUFACTURER REQUIREMENTS.

5.2 CONNECTIONS

-TERMINATE CONDUCTORS AT EXISTING ELECTRICAL PANELS AND AT EV CHARGING STATIONS IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS.

-LABEL ALL CIRCUITS AT THE PANEL AND AT THE STATIONS.

6. COMMUNICATIONS GATEWAY

-THE COMMUNICATION GATEWAY IS MOUNTED ON ONE OF THE EXISTING STATIONS. RELOCATE GATEWAY AND ASSOCIATED EQUIPMENT AS A PART OF THE STATION RELOCATION.

-RECONNECT POWER AND VERIFY CONNECTIVITY AS PART OF SYSTEM STARTUP.

7. SIGNAGE/PARKING BLOCKS

-EXISTING ELECTRIC VEHICLE SIGNS AND POSTS SHALL BE REMOVED.

-NEW SIGNS AND POSTS SHALL BE INSTALLED AS SHOWN IN THE PLANS.

-EXISTING PARKING BLOCKS SHALL BE RELOCATED AS SHOWN IN THE PLANS.

8. TESTING AND COMMISSIONING

-CONFIRM PROPER VOLTAGE, PHASE, AND AMPERAGE AT EACH CHARGER AND AT THE COMMUNICATIONS GATEWAY.

-ENERGIZE AND TEST EACH EV CHARGER FOR PROPER OPERATION.

-COORDINATE SYSTEM STARTUP AND FUNCTIONAL VERIFICATION WITH THE FLO ONBOARDING DEPARTMENT, INCLUDING COMMUNICATIONS, NETWORK CONNECTIVITY, AND CHARGING FUNCTIONALITY.

-PROVIDE WRITTEN CONFIRMATION THAT ALL CHARGERS ARE FULLY OPERATIONAL.

9. COORDINATION AND RESPONSIBILITIES

-THE CONTRACTOR SHALL COORDINATE WITH:

-THE OWNER FOR OUTAGE SCHEDULING.

-THE FLO ONBOARDING DEPARTMENT FOR STARTUP AND FUNCTIONAL TESTING.

-LOCAL ELECTRICAL INSPECTOR FOR REQUIRED INSPECTIONS AND APPROVALS.

- CONTACT INFORMATION:

-FLO ONBOARDING DEPARTMENT: 1-888-852-3518

-ALL WORK SHALL COMPLY WITH NEC, LOCAL ELECTRICAL CODES, UTILITY REQUIREMENTS, AND MANUFACTURER SPECIFICATIONS.

10. MEASUREMENT AND PAYMENT

-REMOVAL, RELOCATION, NEW FOUNDATIONS, CONDUITS, CONDUCTORS, CONNECTIONS, COORDINATION, TESTING, AND COMMISSIONING SHALL BE INCIDENTAL TO THIS BID ITEM, UNLESS OTHERWISE NOTED.

ITEM 203 - ROADWAY, MISC: ALTA FIBER DUCT BANK ENCASUREMENT

THIS ITEM INCLUDES ALL WORK, MATERIAL AND EQUIPMENT REQUIRED TO ENCASE THE EXISTING DUCT BANK SYSTEM OWNED BY ALTA FIBER ALONG PLAINFIELD ROAD AS INDICATED ON THE PLANS. DUE TO THE AGE OF THE SYSTEM, EXTREME CARE SHALL BE TAKEN WHEN WORKING IN THE AREA OF THE DUCT BANK SYSTEM. PROPER EXCAVATION EQUIPMENT SHALL BE USED TO PREVENT ANY DAMAGE TO THE DUCT BANK. ONCE THE DUCT BANK IS EXPOSED, THE CONTRACTOR SHOULD POUR A MINIMUM OF 4" OF CONCRETE AS A CAP. WHERE THE DUCT BANK IS SHALLOW AND IS WITHIN 18" OF THE UNDERCUT, THE DUCT BANK SHALL BE ENCASED IN CONCRETE.

THE CONTRACTOR SHALL COORDINATE WORK WITH ALTA FIBER:

BRECK COWAN
(513) 565-7187 (OFFICE)
(513) 702-1040 (CELL)
BRECK.COWAN@ALTA FIBER.COM

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED THROUGH TO THE GENERAL SUMMARY:

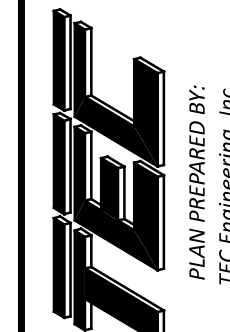
203	ALTA FIBER DUCT BANK ENCASUREMENT	300 FT
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ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING. SEE PLAN SHEET NO. 4 FOR ADDITIONAL INFORMATION.

204	PROOF ROLLING 6 HOUR.
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DESIGN AGENCY



DESIGNER

KLL

REVIEWER

ALH 04/20/26

PROJECT ID

116550

SHEET TOTAL

008 | 166

PLAN PREPARED BY:
TEC Engineering, Inc.
7288 Central Parke Blvd.
Mason, OH 45040

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

MANHOLES, CATCH BASINS AND INLETS REMOVED OR ABANDONED

CAREFULLY REMOVE AND STORE ALL CASTINGS WITHIN THE RIGHT OF WAY FOR SALVAGE BY THE VILLAGE OF SILVERTON FORCES. DELIVER TO 3869 ALTA AVE, SILVERTON, OH 45236

PAYMENT FOR ALL OF THE ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 202 ITEM.

MANHOLES AND VALVES, ADJUSTED TO GRADE (PRIVATELY OWNED)

ALL MANHOLES AND VALVES ENCOUNTERED IN AREAS THAT REQUIRE GRADE ADJUSTMENT WILL BE PERFORMED PRIOR TO THE APPLICATION OF THE SURFACE COURSE. THE ADJUSTMENTS MAY BE PERFORMED BY THE CONTRACTOR.

ITEM XXX (FACILITY TYPE) ADJUSTED TO GRADE

THIS WORK SHALL CONSIST OF ADJUSTING (FACILITY TYPE) TO GRADE PRIOR TO THE APPLICATION OF THE SURFACE COURSE AS DIRECTED BY THE ENGINEER.

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE ROADWAY SUB-SUMMARY ON SHEET 20:

ITEM 611 (TMH) ADJUSTED TO GRADE	5 EACH
ITEM 611 (GV) ADJUSTED TO GRADE	44 EACH
ITEM 611 (GM) ADJUSTED TO GRADE	12 EACH
ITEM 638 (FH) ADJUSTED TO GRADE	9 EACH
ITEM 638 (WV) ADJUSTED TO GRADE	101 EACH
ITEM 638 (WS) ADJUSTED TO GRADE	7 EACH
ITEM 638 (WM) ADJUSTED TO GRADE	5 EACH

ITEM 611 - CONDUIT, MISC.: OUTLET ROOF DRAIN TO CURB

THIS ITEM INCLUDES ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED TO OUTLET EXISTING DOWNSPOUTS TO THE CURB.

FOR BUILDINGS THAT OUTLET TO A CONDUIT IN THE CURB LINE, THE CONTRACTOR SHALL REMOVE THE EXISTING PIPE AND REPLACE IT WITH A 4" PVC SOLID WALL PIPE (707.45). THE CONDUIT SHALL BE PLACED IN THE PROPOSED CURB LINE. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE POSITIVE FLOW AT THE OUTLET. AN ESTIMATED 5 PARCELS CURRENTLY HAVE OUTLETS TO THE CURB LINE THAT WILL NEED REPLACED BETWEEN THE CURB AND BACK OF WALK.

AN ESTIMATED QUANTITY OF 50 FEET IS CARRIED TO THE GENERAL SUMMARY.

ITEM 611 - CONDUIT, MISC.: ROOF DRAIN COLLECTOR

THIS ITEM INCLUDES ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED REMOVE ANY EXISTING AND PROVIDE A NEW ROOF DRAIN COLLECTOR (8" PVC) ALONG THE STATIONS SPECIFIED BELOW AND OUTLET TO THE NEAREST CATCH BASIN OR MANHOLE.

THE UNDERGROUND COLLECTOR SYSTEM IS ESTIMATED TO RUN ALONG THE EAST SIDE OF PLAINFIELD BETWEEN STA. 308+00 TO 316+00 AND THE WEST SIDE OF PLAINFIELD BETWEEN STA. 308+00 TO 313+00.

EXISTING OUTLETS THAT CONNECT UNDERGROUND HAVE NOT BEEN IDENTIFIED IN THE PLANS. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL OUTLETS.

AN ESTIMATED QUANTITY OF 1,300 FEET IS CARRIED TO THE GENERAL SUMMARY.

ITEM 611 - CONDUIT, MISC.: OUTLET ROOF DRAIN TO UNDERGROUND SYSTEM

THIS ITEM INCLUDES ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED TO OUTLET EXISTING DOWNSPOUTS ON ALL BUILDINGS WITHIN THE PROJECT AREA TO THE PROPOSED ROOF DRAIN COLLECTOR.

FOR BUILDINGS THAT OUTLET TO A UNDERGROUND SYSTEM, THE CONTRACTOR SHALL FIRST IDENTIFY THE LOCATION AND CONDITION OF THE CONDUIT. ANY DAMAGED CONDUIT SHALL BE REPLACED WITH A PVC SOLID WALL PIPE MATCHING IN SIZE TO THE EXISTING CONDUIT.

A CLEANOUT AND STUB CONNECT SHOULD BE PLACED AT EACH PARCEL WITHIN THESE LIMITS. AN ESTIMATED 18 PARCELS ARE INCLUDED IN THIS AREA. EXISTING OUTLETS THAT CONNECT UNDERGROUND HAVE NOT BEEN IDENTIFIED IN THE PLANS. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL OUTLETS.

AN ESTIMATED QUANTITY OF 18 EACH IS CARRIED TO THE GENERAL SUMMARY.

ITEM 611- MANHOLE, ADJUSTED TO GRADE, AS PER PLAN

THIS ITEM IS TO INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO CLEANOUT AND ADJUST THE EXISTING STORM MANHOLE TO GRADE LOCATED AT STA. 320+50, 21' L. ADDITIONAL CONTINGENCY ITEMS ARE LISTED BELOW.

DURING MULTIPLE FIELD VISITS, THIS MANHOLE WAS FILLED WITH WATER AND DEBRIS. FIELD CREWS WERE UNABLE TO DETERMINE CONNECTING PIPES. RECORDS SHOW A CONNECTION TO THE NORTHWEST AND SOUTHEAST. THE CONNECTION TO THE NORTHWEST WAS VERIFIED BY THE CONNECTING MANHOLE. HOWEVER, THERE IS NO CONFIRMED CONNECTION TO THE SOUTHEAST.

THE CONTRACTOR IS RESPONSIBLE TO CLEAR THE MANHOLE AND CONNECTING PIPE OF DEBRIS AND WATER THEN DETERMINE IF ANY EXISTING PIPES OUTLET INTO THIS MANHOLE. IF IT IS DETERMINED THAT THIS MANHOLE CONNECTS TO A DAMAGED PIPE, THE CONTRACTOR SHALL REPAIR THE DAMAGED PIPE. THE CONTRACTOR SHALL COORDINATE WITH THE VILLAGE MANAGER THE FIELD FINDINGS AND INTENT PRIOR TO REMOVING, REPLACING OR REPAIRING ANY PIPES OR STRUCTURES IN THE FIELD.

IF IT IS DETERMINED THIS MANHOLE IS NO LONGER IN USE, IS IT TO BE ABANDONED, NOT REMOVED. REMOVAL MAY DISTURB THE NEARBY POLE SO IT SHOULD BE ABANDONED.

THE FOLLOWING CONTINGENCY ITEMS MAY BE NON-PERFORMED

202 SPECIAL - PIPE CLEANOUT, 24" AND UNDER	50 FT
202 PIPE REMOVED, 24" DIAMETER AND UNDER	50 FT
611 24" CONDUIT, TYPE B	50 FT

Item added. Lump sum item removed.

Item added. Lump sum item removed.

Item added. Lump sum item removed.

UNDERGROUND STORAGE TANK REMOVAL

THE FOLLOWING CONTINGENCY QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER SHOULD EXCAVATING ENCOUNTER AN UNDERGROUND STORAGE TANK:

202 UNDERGROUND STORAGE TANK REMOVED	1 EACH
690 SPECIAL - WORK INVOLVING PETROLEUM CONTAMINATED SOIL	15 TONS

SANITARY STRUCTURES

THE CONTRACTOR SHALL FOLLOW MSD'S RULES, REGULATIONS AND STANDARDS WHEN PERFORMING WORK ON OR NEAR ANY SANITARY STRUCTURE OR PIPE. THIS INCLUDES ALL MANHOLES THAT REQUIRE ADJUSTMENTS TO FINAL GRADE. WHERE PROPOSED STORM CATCH BASINS ARE TO BE CONSTRUCTED OVER EXISTING SANITARY SEWER LINES, ENCASEMENT OF THE SANITARY SEWER WILL BE NECESSARY TO PROTECT THE SEWER LINE PER STANDARD DETAIL ACC. NO. 49057 FOR TYPICAL ENCASEMENT FOR EXISTING SANITARY PIPE.

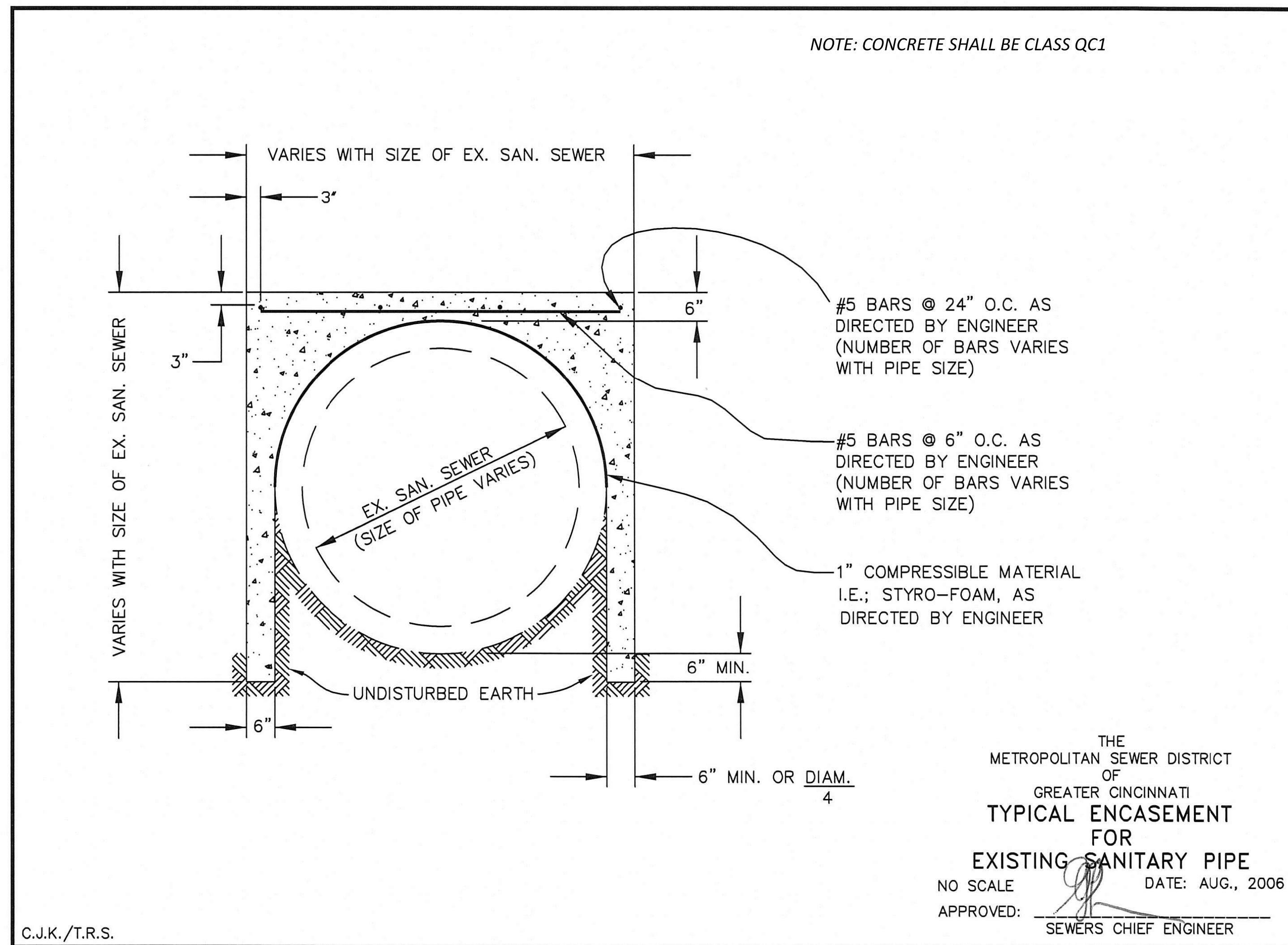
PAYMENT FOR THIS WORK WILL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 611 - CONDUIT, MISC.: SANITARY SEWER ENCASEMENT.

ITEM 619 - FIELD OFFICE, TYPE C, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ITEM 619: OFFICE TO INCLUDE AT LEAST 3 SEPARATE OFFICES WITH SHELIVING UNITS. FURTHER ITEMS ARE AS FOLLOWS:

- 1) INTERNET
A) THE CONTRACTOR WILL PROVIDE INTERNET SERVICES WITH A MINIMUM OF 400MBS. THE CONTRACTOR WILL PROVIDE ODOT WITH AN IP ADDRESS SO THAT ODOT CAN ATTACH AN ODOT OWNED HUB. ODOT'S OWNED HUB WILL PROVIDE THE STAFF WITH A WIRELESS ROUTER AND FIREWALL.
- 2) PARKING
A) THE CONTRACTOR SHALL PROVIDE A SECURE PARKING AREA NOT LESS THAN 2,000 SF CAPABLE OF SUPPLYING 10 EA ALL WEATHER PARKING SPOTS. "ALL WEATHER" IS DEFINED AS A HARD SMOOTH SURFACE THAT WILL ALLOW FOR SNOW REMOVAL. GRAVEL SURFACE IS NOT ACCEPTABLE. THE PARKING AREA SHALL BE SURROUNDED BY A 6' TALL SECURITY FENCE WITH A LOCKABLE GATE INCLUDED.
- 3) OTHER
A) KEYS AND ILLUMINATED SECURITY LIGHTING.
B) THE CONTRACTOR WILL PROVIDE THE DEPARTMENT (1) WATER COOLER AND SERVICE.
C) SNOW REMOVAL SHALL BE REQUIRED FOR THE PARKING AREA
D) BI-WEEKLY CLEANING SERVICE
E) DUMPSTER WITH NECESSARY SERVICE

THE CONTRACTOR SHALL OBTAIN APPROVAL OF THE PROPOSED FACILITY FROM THE ENGINEER PRIOR TO USE. THE FACILITY SHALL BE AVAILABLE FOR ODOT USE NOT MORE THAN 30 DAYS FROM THE DATE OF A SIGNED CONTRACT.



THE METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI
TYPICAL ENCASEMENT FOR EXISTING SANITARY PIPE
 NO SCALE DATE: AUG., 2006
 APPROVED: _____
 SEWERS CHIEF ENGINEER

ACC. NO. 49057

GENERAL NOTES

DESIGN AGENCY	TEL
PLAN PREPARED BY:	TEL Engineering, Inc. 7288 Central Park Blvd. Mason, OH 45040
DESIGNER	KLL
REVIEWER	ALH 04/20/26
PROJECT ID	116550
SHEET	TOTAL
009	166

ITEM 614 - MAINTAINING TRAFFIC

THE CONTRACTOR SHALL MAINTAIN THE DESIRED TRAFFIC CONFIGURATION FOR EACH LOCATION LISTED BELOW THROUGHOUT THE ENTIRETY OF THE PROJECT. IT IS THE INTENTION TO PERFORM THE REQUIRED WORK WITH THE LEAST INCONVENIENCE TO, AND THE MAXIMUM SAFETY OF, THE CONTRACTOR AND TRAVELING PUBLIC. ANY VARIANCES FROM THE INTENT OF THESE MAINTENANCE OF TRAFFIC NOTES MUST BE APPROVED IN ADVANCE IN WRITING BY THE ENGINEER.

THE PROPOSED MAINTENANCE OF TRAFFIC WILL CONSIST OF THREE MAJOR PHASES:

PHASE 1. FOR PLAINFIELD RD. CONSTRUCTION BETWEEN ST. JAMES AVE. AND MONTGOMERY RD., MAINTAIN FULL CLOSURE EXCEPT FOR LOCAL TRAFFIC FOR THE DURATION OF THE PROJECT. A MINIMUM OF 1 LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 45 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 12. THE SOUTHERN HALF OF MONTGOMERY RD. IS ALSO TO BE INCLUDED IN PHASE 1. THIS PHASE CAN BE CONCURRENT WITH PHASE 3 BUT NOT WITH PHASE 2.

PHASE 2. FOR PLAINFIELD RD. BETWEEN MONTGOMERY RD. AND SOUTH AVE., MAINTAIN FULL CLOSURE EXCEPT FOR LOCAL TRAFFIC FOR THE DURATION OF THE PROJECT. A MINIMUM OF 1 LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 45 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 13. THE NORTHERN HALF OF MONTGOMERY RD. IS ALSO TO BE INCLUDED IN WORK PHASE 2. THIS PHASE CANNOT BE CONCURRENT WITH PHASE 1 OR PHASE 3.

PHASE 3. FOR PLAINFIELD RD. BETWEEN SOUTH AVE. AND DEER PARK AVE. AND BLUE ASH RD. BETWEEN PLAINFIELD RD. AND SIBLEY AVE., MAINTAIN FULL CLOSURE EXCEPT FOR LOCAL TRAFFIC FOR THE DURATION OF THE PROJECT. A MINIMUM OF 1 LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 45 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 14. EXISTING TRAFFIC SIGNAL VISIBILITY SHALL BE MAINTAINED AT THE INTERSECTION OF PLAINFIELD RD. & NORTH AVE. AT ALL TIMES AND THE CONTRACT SHALL BE RESPONSIBLE FOR THE SHIFTING OF ANY EXISTING SIGNAL FACES TO MAINTAIN THE INTERSECTION. THIS PHASE CAN BE CONCURRENT WITH PHASE 1 BUT NOT PHASE 2.

ALL WORK FOR EACH PHASE MUST BE PERFORMED WITHIN THE 45 DAY CLOSURE WITH THE EXCEPTION OF THE FINAL PAVEMENT SURFACE COURSE AND STRIPING. THE NEW SIGNAL AT PLAINFIELD RD/MONTGOMERY ROAD CAN BE SWITCHED DURING PHASE 2. THE NEW SIGNAL AT PLAINFIELD RD/BLUE ASH RD CAN BE SWITCHED DURING PHASE 3. SEE THE FOLLOWING SHEET REGARDING RAILROAD COORDINATION AT PLAINFIELD RD/BLUE ASH RD. THE CONTRACTOR MUST COORDINATE THE SIGNAL SWITCH OVER WITH IORY A MINIMUM OF 7 BUSINESS DAYS PRIOR TO THE START OF THE WORK.

FOR WORK PERFORMED ON MONTGOMERY RD., UTILIZE PART-WIDTH CONSTRUCTION AND MAINTAIN 1 LANE IN EACH DIRECTION AT ALL TIMES. THE SOUTHERN HALF OF MONTGOMERY RD. CAN BE CONSTRUCTED ALONG WITH PHASE 1 WHILE THE NORTHERN HALF OF MONTGOMERY RD. CAN BE CONSTRUCTED WITH PHASE 2. FOLLOW ODOT SCD MT-95.31 FOR TAPERS. AN ESTIMATED QUANTITY OF 30 SY OF ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B HAS BEEN ADDED TO THE MOT SUB-SUMMARY.

FOR ALL PHASES, ALL LANES AND WALK ALONG PLAINFIELD ROAD AND MONTGOMERY ROAD SHALL BE FULLY OPEN AND ACCESSIBLE FOR TASTE OF SILVERTON WHICH OCCURS ANNUALLY ON THE THIRD SATURDAY OF JUNE.

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR SPECIAL EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR SPECIAL EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY - 6:00 AM MONDAY
MONDAY	12:00N FRIDAY - 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY - 6:00 WEDNESDAY
TUESDAY (GEN./REG. ELECTION)	5:00 AM TUESDAY - 12:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY - 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY - 6:00 AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	6:00 AM WEDNESDAY - 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY - 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY - 6:00 AM MONDAY

ITEM 614 - MAINTAINING TRAFFIC (CONTINUED)

DURING THE SAME PERIODS, MAINTAIN PEDESTRIAN ACCESS IF PEDESTRIAN ACCESS WAS PRESENT PRIOR TO CONSTRUCTION.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE.

ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD CLOSURES	≥ 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	≤ 12 HOURS	2 CALENDAR DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THE PHONE NUMBER LISTED WILL BE 513-936-6235.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614 - MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

ANY SIGNAGE, PAVEMENT MARKING AND SIGNALIZATION MUST PRESENT A CLEAR MESSAGE TO THE DRIVER. ANY CONFLICTING TRAFFIC CONTROL ITEMS MUST BE REMOVED OR MODIFIED. TRAFFIC SIGNALS MUST BE MAINTAINED DURING CONSTRUCTION. SIGNAL HEAD PLACEMENT SHOULD BE ADJUSTED DURING THE CONSTRUCTION PHASES TO PROVIDE A CLEAR MESSAGE TO THE DRIVER. VEHICLE DETECTION MUST ALSO BE ADJUSTED FOR EACH SIGNALIZED INTERSECTION DURING THE CONSTRUCTION PHASES.

DRIVEWAY ACCESS SHOULD BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. WHEN FULL OR PARTIAL CLOSURES ARE NECESSARY, THE CONTRACTOR SHALL COORDINATE WITH THE VILLAGE AND PROPERTY OWNER TO LIMIT ANY INCONVENIENCES. WHERE NECESSARY, PART WIDTH CONSTRUCTION MAY BE USED. AN ESTIMATED QUANTITY OF 150 CY OF ITEM 410 TRAFFIC COMPACTED SURFACE, TYPE A AND A LUMP SUM ITEM 615 ROADS FOR MAINTAINING TRAFFIC HAS BEEN ADDED TO THE MOT SUB-SUMMARY.

30 day closure increased to 45 days

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE VILLAGE MANAGER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE VILLAGE MANAGER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD CLOSURES	≥ 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	≤ 12 HOURS	2 CALENDAR DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	≥ 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE VILLAGE MANAGER AND ENGINEER USING THE NOTIFICATION TIME TABLE.

108.06 C EXTENSION TO THE COMPLETION DATE FOR WEATHER OR SEASONAL CONDITIONS.

A WEATHER DAY FOR CRITICAL WORK IS DEFINED AS A WORKDAY THAT WEATHER REDUCED PRODUCTION BY MORE THAN 50 PERCENT ON ITEMS OF WORK ON THE CRITICAL PATH FOR CRITICAL WORK. SUBMIT A REQUESTED FOR AN EXTENSION OF TIME FOR A LOST WORKDAY DUE TO WEATHER WITH 2 DAYS OF OCCURRENCE. THE ENGINEER WILL EXTEND THE CALENDAR DAYS TO COMPLETE BY CALENDAR DAYS. THE ENGINEER WILL CONVERT WORK DAYS TO CALENDAR DAYS FOR EACH LOST WORKDAY DUE TO WEATHER BY MULTIPLYING THE NUMBER OF LOST WORKDAYS BY 1.4 FOR A 5-DAY WORK WEEK OR LESS; 1.2 FOR A 6-DAY WORK WEEK; AND 1 FOR A 7-DAY WORK WEEK; AND EXTEND THE CALENDAR DAYS TO COMPLETE BY THE RESULTING NUMBER OF CALENDAR DAYS PLUS ANY HOLIDAYS THE CONTRACTOR DOES NOT NORMALLY WORK THAT OCCUR IN THE EXTENSION PERIOD. WHEN THE CONVERSION OF WORKDAYS TO CALENDAR DAYS RESULTS IN A DECIMAL OF 0.5 OR GREATER, THE ENGINEER WILL ROUND THE NUMBER OF CALENDAR DAYS TO THE NEXT HIGHEST WHOLE NUMBER. WHEN THE CONVERSION RESULTS IN A DECIMAL LESS THAN 0.5, THE ENGINEER WILL DELETE THE DECIMAL PORTION OF THE CALENDAR DAYS.

DESCRIPTION OF CRITICAL WORK	CALENDAR DAYS TO COMPLETE	DISINCENTIVE \$ PER DAY	WORK WINDOW	
			START	END
PHASE 1	45	\$1,000	3/1/27	5/21/27
PHASE 2	45	\$1,000	6/28/27	9/15/27
PHASE 3	45	\$1,000	3/1/27*	9/15/27*

*WORK WINDOW MUST EXCLUDE 5/21/27-6/28/27 PHASE 3 CANNOT OCCUR CONCURRENTLY WITH PHASE 2.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER 4.0 M. GAL.

30 day closure increased to 45 day

INDIANA & OHIO RAILWAY COORDINATION

CONTRACTOR TO NOTIFY G&W PUBLIC PROJECTS DEPARTMENT 30 DAYS PRIOR TO STARTING CONSTRUCTION.

G&W FLAGGING SERVICES WILL BE REQUIRED FOR ALL WORK WITHIN G&W RIGHT-OF-WAY OR ANY WORK THAT HAS A "POTENTIAL TO FOUL".

THE CONTRACTOR MUST NOT USE THE RAILROAD RIGHT-OF-WAY FOR STORAGE OF MATERIALS OR EQUIPMENT DURING CONSTRUCTION. THE RAILROAD'S RIGHT-OF-WAY MUST REMAIN CLEAR AT ALL TIMES. THE CONTRACTOR MUST PLAN AND PERFORM THE WORK IN A MANNER SUCH THAT THE RAILROAD TRACKS AT THE PROJECT LOCATION REMAIN FULLY CAPABLE OF OPERATING RAIL TRAFFIC THROUGHOUT THE WORK PERIOD AND RAIL TRAFFIC IS NOT DELAYED OR OTHERWISE IMPACTED DUE TO THE WORK BEING PERFORMED.

ALL WORK PERFORMED ON, ABOVE, OR ADJACENT TO RAILROAD PROPERTY SHALL BE IN ACCORDANCE WITH THE PUBLIC PROJECT MANUAL, CURRENT EDITION. WORK PLANS SHALL BE SUBMITTED FOR REVIEW TO THE RAILROAD FOR TASKS RELATED TO SITE ACCESS, SOIL AND WATER MANAGEMENT, BALLAST PROTECTION, DEMOLITION, CONTAINMENT, CONCRETE FORMWORK, AND ALL OTHER WORK THAT POTENTIALLY AFFECTS RAILROAD PROPERTY OR OPERATIONS. ALL WORK PLANS SHALL BE PREPARED AND SUBMITTED TO THE RAILROAD IN ADHERENCE WITH THE PUBLIC PROJECT MANUAL, SECTION 1.11 CONSTRUCTION SUBMISSION CRITERIA.

THE CONTRACTOR WILL BE REQUIRED TO REACH OUT TO G&W REAL ESTATE FOR AN ROE APPLICATION AND AGREEMENT FOR WORK TO TAKE PLACE ON THE G&W ROW. HERE IS THE WEBSITE FOR ROE INFORMATION:

HTTPS://WWW.GWRR.COM/REAL_ESTATE/ACCESSING_PROPERTY

RAILROAD PROJECT COORDINATION

THE CONTRACTOR SHALL PERFORM ONGOING COORDINATION DURING CONSTRUCTION ACTIVITIES WITH THE RAILROAD THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL PROVIDE A CURRENT SCHEDULE ON A MONTHLY BASIS INCLUDING ANTICIPATED DATES OF THE FOLLOWING ITEMS:

1. CONSTRUCTION SUBMITTALS REQUIRING RAILROAD REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION (PER THE RAIL AGREEMENT(S))
2. CONSTRUCTION START AND END DATES FOR WORK THAT MAY CREATE AN IMPACT TO THE RAIL FACILITY/OPERATIONS.
3. ANTICIPATED DATES AND DURATIONS FOR FLAGGERS.
4. ANY OTHER MILESTONES THAT MAY IMPACT RAIL FACILITIES OR OPERATIONS.

MEANS AND METHODS: THE CONTRACTOR SHALL DEVELOP A DETAILED SUBMISSION INDICATING THE PROGRESSION OF WORK WITH SPECIFIC TIMES WHEN TASKS WILL BE PERFORMED FOR WORK ACTIVITIES THAT ARE ON OR IN THE VICINITY OF THE RAILROAD PROPERTY.

THIS SUBMISSION MAY REQUIRE A WALKTHROUGH AT WHICH TIME THE RAILROAD AND/OR THEIR REPRESENTATIVE WILL BE PRESENT. WORK WILL NOT BE PERMITTED TO COMMENCE UNTIL THE CONTRACTOR HAS PROVIDED THE RAILROADS WITH A SATISFACTORY PLAN THAT THE PROJECT WILL BE UNDERTAKEN WITHOUT SCHEDULING, PERFORMANCE, OR SAFETY RELATED ISSUES. PROVIDE A LIST OF THE ANTICIPATED EQUIPMENT TO BE USED, THE LOCATION OF ALL EQUIPMENT TO BE USED, AND ENSURE A CONTINGENCY PLAN OF ACTION IS IN PLACE SHOULD A PRIMARY PIECE OF EQUIPMENT MALFUNCTION. ALL WORK IN THE VICINITY OF THE RAILROAD PROPERTY THAT HAS THE POTENTIAL OF AFFECTING TRAIN OPERATIONS MUST BE SUBMITTED AND APPROVED BY THE RAILROAD PRIOR TO WORK BEING PERFORMED. THIS SUBMISSION WILL ALSO INCLUDE A DETAILED NARRATIVE DISCUSSING THE COORDINATION OF PROJECT SAFETY ISSUES BETWEEN THE CONTRACTOR AND THE RAILROAD AND/OR THEIR REPRESENTATIVE. THE NARRATIVE SHALL ADDRESS PROJECT LEVEL COORDINATION AND DAY-TO-DAY, SPECIFIC WORK OPERATIONS INCLUDING CRANE AND EQUIPMENT OPERATIONS, ERECTION PLANS, AND TEMPORARY WORKS.

UP TO SIXTY (60) CALENDAR DAYS WILL BE REQUIRED TO REVIEW ALL CONSTRUCTION SUBMISSIONS. UP TO AN ADDITIONAL SIXTY (60) CALENDAR DAYS WILL BE REQUIRED TO REVIEW ANY SUBSEQUENT SUBMISSIONS RETURNED NOT APPROVED.

CONSTRUCTION SCHEDULE: SUBMIT A DETAILED CONSTRUCTION SCHEDULE FOR THE DURATION OF THE PROJECT CLEARLY INDICATING THE TIME PERIODS WHILE WORKING ON AND AROUND THE RAILROAD'S RIGHT-OF-WAY. AS THE WORK PROGRESSES, THIS SCHEDULE SHALL BE UPDATED MONTHLY AND RESUBMITTED AS NECESSARY TO REFLECT CHANGES IN WORK SEQUENCE, DURATION, AND METOND, ETC.

ITEM SPECIAL – IORY RAILROAD TRAINING:

ALL PERSONNEL ENTERING IORY PROPERTY SHALL COMPLETE THE 2 HOUR ROADWAY WORKER PROTECTION FOR "GENESEE & WYOMING" COURSE. THE TRAINING CAN BE ACCESSED AT: HTTPS://RAILPROS.COM/TRAINING/.

THIS COURSE WILL FAMILIARIZE THE PARTICIPANTS WITH THE OPERATING AND SAFETY RULES OF G&W AND FRA REGULATIONS WITH WHICH THEY ARE REQUIRED TO COMPLY. ONCE PARTICIPANTS COMPLETE THE TRAINING THE COMPLETION RECORD WILL BE RECORDED TO ISNETWORLD, WHO MANAGES THE TRAINING COMPLIANCE REQUIREMENTS FOR G&W.

PAYMENT FOR THE COURSE AND TIME SHALL BE INCLUDED WITH ITEM

ITEM SPECIAL (900E17000) LUMP SUM – IORY RAILROAD TRAINING.

ITEM SPECIAL – IORY RIGHT-OF-ENTRY PERMIT

THIS ITEM INCLUDES ALL WORK REQUIRED TO OBTAIN A RIGHT-OF-ENTRY (ROE) PERMIT TO PERFORM ALL NECESSARY WORK WITHIN THE LIMITS OF THE RAILROAD. THE PERMIT AND INFORMATION RELATED TO THE PERMIT CAN BE FOUND AT: https://www.gwrr.com/services/real-estate/accessing-property

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH IORY TO OBTAIN THE NECESSARY PERMIT. CONTACT INFORMATION FOR IORY:

JARED RISHEL
 AVP ENGINEERING NATIONAL REGION
 (814) 249-3040
 JRISHEL@GWRR.COM

WORK INCLUDED IN THE PERMIT MUST SPECIFY THE FULL DEPTH RECONSTRUCTION SURROUNDING THE RAILROAD AS SHOWN IN THE PLANS, A FULL SIGNAL REBUILD AT PLAINFIELD RD/BLUE ASH RD, DRAINAGE IMPROVEMENTS, UTILITY ADJUSTMENTS, STRIPING AND SIGNING. THE SIGNAL REBUILD INCLUDES THE BORING OF CONDUIT UNDER THE RAILROAD.

THE CONTRACTOR MUST SUBMIT THE APPLICATION FOR THE ROE PERMIT A MINIMUM OF 120 CALENDAR DAYS PRIOR TO THE START OF WORK. UP TO AN ADDITIONAL 120 CALENDAR DAYS WILL BE REQUIRED TO REVIEW ANY SUBSEQUENT SUBMISSIONS RETURNED NOT APPROVED. THE CONTRACTOR SHALL SUBMIT THE APPLICATION BY AUGUST 1, 2027. FAILURE TO SUBMIT THE APPLICATION BY THIS DATE WILL RESULT IN A NON-EXCUSEABLE DELAY IN ACCORDANCE WITH C&MS 108.06E.

ALL FEES ASSOCIATED WITH THE PERMIT ARE THE RESPONSIBILITY OF THE CONTRACTOR. ANTICIPATED FEES FOR THIS PERMIT IS \$1,750.00.

ONCE THE ROE IS APPROVED, THE CONTRACTOR SHALL COORDINATE WITH IORY TO DETERMINE WHEN THE TRAFFIC SIGNAL WILL SWITCH OPERATION FROM THE OLD TRAFFIC SIGNAL TO THE NEWLY BUILT TRAFFIC SIGNAL. OUTAGES SHALL BE NO MORE THAN 1 HOUR. PROPER TRAFFIC CONTROL SHALL IN PLACE PRIOR AND DURING TO THE OUTAGE. THE CONTRACTOR SHALL NOTIFY IORY A MINIMUM OF 7 BUSINESS DAYS PRIOR TO THE SIGNAL WORK TAKING PLACE. IORY WILL PROVIDE AN INSPECTOR. THE CONTRACTOR MUST COORDINATE WITH IORY TO DETERMINE THE WORK WINDOW THAT LEAST IMPACTS RAILROAD USE. IT IS RECOMMENDED THAT THE SIGNAL BE SWITCHED OVER BETWEEN FRIDAY AT 9PM TO MONDAY AT 5AM. THE SIGNAL MUST BE FULLY TESTED AND OPERATIONAL BY MONDAY AT 5AM.

THE FOLLOWING ITEM HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM SPECIAL - IORY RIGHT-OF-ENTRY PERMIT 1,750 EA

NOTE AND QUANTITY UPDATED

ITEM SPECIAL – SORTA RIGHT-OF-ENTRY PERMIT

THIS ITEM INCLUDES ALL WORK REQUIRED TO OBTAIN A RIGHT-OF-ENTRY (ROE) PERMIT FROM SORTA TO PERFORM ALL NECESSARY WORK WITHIN THE LIMITS OF THE RAILROAD.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH SORTA TO OBTAIN THE NECESSARY PERMIT. CONTACT INFORMATION FOR SORTA

JASON ROE
 DIRECTOR OF PROCUREMENT
 (513) 632-7666
 JROE@GO-METRO.COM

WORK INCLUDED IN THE PERMIT MUST SPECIFY THE FULL DEPTH RECONSTRUCTION SURROUNDING THE RAILROAD AS SHOWN IN THE PLANS, A FULL SIGNAL REBUILD AT PLAINFIELD RD/BLUE ASH RD, DRAINAGE IMPROVEMENTS, UTILITY ADJUSTMENTS, STRIPING AND SIGNING. THE SIGNAL REBUILD INCLUDES THE BORING OF CONDUIT UNDER THE RAILROAD.

THE CONTRACTOR MUST SUBMIT THE APPLICATION FOR THE ROE PERMIT A MINIMUM OF 120 CALENDAR DAYS PRIOR TO THE START OF WORK. UP TO AN ADDITIONAL 120 CALENDAR DAYS WILL BE REQUIRED TO REVIEW ANY SUBSEQUENT SUBMISSIONS RETURNED NOT APPROVED. THE CONTRACTOR SHALL SUBMIT THE APPLICATION BY AUGUST 1, 2027. FAILURE TO SUBMIT THE APPLICATION BY THIS DATE WILL RESULT IN A NON-EXCUSEABLE DELAY IN ACCORDANCE WITH C&MS 108.06E.

ALL FEES ASSOCIATED WITH THE PERMIT ARE THE RESPONSIBILITY OF THE CONTRACTOR. ANTICIPATED FEES FOR THIS PERMIT IS \$500.00.

THE FOLLOWING ITEM HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM SPECIAL - SORTA RIGHT-OF-ENTRY PERMIT 500 EA

NOTE AND QUANTITY UPDATED

ITEM SPECIAL – DESIGN PLANS

THIS ITEM INCLUDES ALL WORK REQUIRED TO OBTAIN ADDITIONAL PLAN DESIGN AS NEEDED FOR THE SUBMISSION OF THE IORY AND SORTA RIGHT-OF-ENTRY PERMITS

THE CONTRACTOR WILL SELECT A QUALIFIED SUB-CONSULTANT TO PROVIDE ADDITIONAL PLAN SHEETS, AS REQUESTED BY SORTA AND IORY.

THIS ITEM MAY BE NON-PERFORMED IF IT DETERMINED THAT THE ROADWAY PLAN SET PROVIDES SUFFICIENT INFORMATION FOR THE WORK BEING PERFORMED NEAR THE RAILROAD.

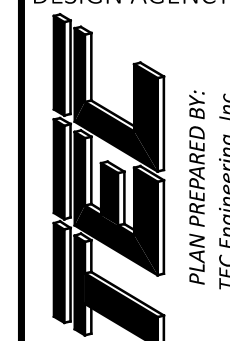
THE FOLLOWING ITEM HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM SPECIAL - DESIGN PLANS LUMP SUM

MAINTENANCE OF TRAFFIC - SUBSUMMARY

ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	SEE SHEET
100	00300	LS		PREMIUM ON RAILROADS' PROTECTIVE PUBLIC LIABILITY AND PROPERTY DAMAGE LIABILITY INSURANCE	
410	10000	150	CY	TRAFFIC COMPACTED SURFACE, TYPE A	
614	12420	LS		DETOUR SIGNING	
615	25000	30	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B	11
615	10000	LS		ROADS FOR MAINTAINING TRAFFIC	11
616	10000	4	MGAL	WATER	11
SPECIAL	90017000	LS		IORY RAILROAD TRAINING	12
614	20000	0.06	MILE	WORK ZONE LANE LINE, CLASS I, 4"	
614	20550	0.03	MILE	WORK ZONE LANE LINE, CLASS III, 4", 642 PAINT	
614	21000	0.52	MILE	WORK ZONE CENTER LINE, CLASS I	
614	21550	0.26	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
614	22100	1.06	MILE	WORK ZONE EDGE LINE, CLASS I, 4", 642 PAINT	
614	22350	0.53	MILE	WORK ZONE EDGE LINE, CLASS III, 4", 642 PAINT	
614	24000	1070	FT	WORK ZONE DOTTED LINE, CLASS I	
614	24610	535	FT	WORK ZONE DOTTED LINE, CLASS III, 4", 642 PAINT	
614	26000	80	FT	WORK ZONE STOP LINE, CLASS I	
614	26610	40	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
614	27010	320	FT	WORK ZONE CROSSWALK LINE, CLASS I, 12"	
614	27250	160	FT	WORK ZONE CROSSWALK LINE, CLASS III, 12", 642 PAINT	
614	30000	16	EACH	WORK ZONE ARROW, CLASS I	
614	30650	8	EACH	WORK ZONE ARROW, CLASS III, 642 PAINT	

DESIGN AGENCY



DESIGNER

KLL

REVIEWER

ALH 04/20/26

PROJECT ID

116550

SHEET TOTAL

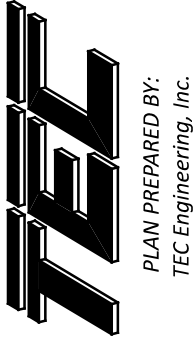
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PLAN PREPARED BY:
 TEC Engineering, Inc.
 7288 Central Parke Blvd.
 Mason, OH 45040

SHEET NUM.								PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
8	9	20	21	22	23	24	25	1/STGB	2/NFP						
													ROADWAY		
								LS		201	11000	LS	CLEARING AND GRUBBING	10	
		12,392					2,233	14,625		202	23000	14,625	SY	PAVEMENT REMOVED	
		40,371						40,371		202	30000	40,371	SF	WALK REMOVED	
		2						2		202	30200	2	FT	STEPS REMOVED	
		5,663						5,663		202	32000	5,663	FT	CURB REMOVED	
	50		1,510					1,560		202	35100	1,560	FT	PIPE REMOVED, 24" DIAMETER AND UNDER	
			31					31		SPECIAL	20252990	31	EACH	PARKING BLOCK REMOVED	
			11					11		202	58000	11	EACH	MANHOLE REMOVED	
			16					16		202	58100	16	EACH	CATCH BASIN REMOVED	
			1					1		202	58700	1	EACH	MANHOLE ABANDONED	
	1							1		202	66500	1	EACH	UNDERGROUND STORAGE TANK REMOVED	
	50							50		SPECIAL	20270110	50	FT	PIPE CLEANOUT, 24" AND UNDER	9
		101						101		202	75000	101	FT	FENCE REMOVED	
								1,750		203	10000	1,750	CY	EXCAVATION	
								550		203	20000	550	CY	EMBANKMENT	
300								300		203	98300	300	FT	ROADWAY, MISC.: ALTA FIBER DUCT BANK ENCASEMENT	8
		1						1		203	98600	1	EACH	ROADWAY, MISC.: REMOVE BRICK SILVERTON SIGN	8
			1					1		203	98600	1	EACH	ROADWAY, MISC.: RELOCATE EV CHARGING STATIONS	8
		2						2		203	98600	2	EACH	ROADWAY, MISC.: REMOVE AND RESET EX. STREET FURNITURE	8
		2						2		203	98600	2	EACH	ROADWAY, MISC.: REMOVE EX. BENCH	8
						12,615	3,087	15,702		204	10000	15,702	SY	SUBGRADE COMPACTION	
						3,749		3,749		204	13000	3,749	CY	EXCAVATION OF SUBGRADE	
						3,749		3,749		204	30010	3,749	CY	GRANULAR MATERIAL, TYPE B	
6								6		204	45000	6	HOUR	PROOF ROLLING	8
						11,900		11,900		204	51000	11,900	SY	GEOGRID	
		39,500						39,500		608	12000	39,500	SF	5" CONCRETE WALK	
		2						2		608	40000	2	FT	CONCRETE STEPS, TYPE A	
		2,691						2,691		608	52000	2,691	SF	CURB RAMP	
			28					28		SPECIAL	69050500	28	EACH	CONCRETE PARKING BLOCK	
	15							15		SPECIAL	69065016	15	TON	WORK INVOLVING PETROLEUM CONTAMINATED SOIL	9
								LS		878	25000	LS		INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS	
														EROSION CONTROL	
12								12		659	00300	12	CY	TOPSOIL	8
111								111		659	10000	111	SY	SEEDING AND MULCHING	8
6								6		659	14000	6	SY	REPAIR SEEDING AND MULCHING	8
0.01								0.01		659	20000	0.01	TON	COMMERCIAL FERTILIZER	8
0.02								0.02		659	31000	0.02	ACRE	LIME	8
0.6								0.6		659	35000	0.6	MGAL	WATER	8
0.3								0.3		659	40000	0.3	MSF	MOWING	8
								32,000		832	30000	32,000	EACH	EROSION CONTROL	
														DRAINAGE	
					3,284			3,284		605	11110	3,284	FT	6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	
					360			360		611	00510	360	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
				705	455			1,160		611	04400	1,160	FT	12" CONDUIT, TYPE B, 706.02	
				53				53		611	04600	53	FT	12" CONDUIT, TYPE C, 707.45	
				246	110			356		611	05900	356	FT	15" CONDUIT, TYPE B, 706.02	
				48				48		611	06100	48	FT	15" CONDUIT, TYPE C, 707.45	
				47				47		611	07600	47	FT	18" CONDUIT, TYPE C, 707.45	
				10				10		611	08900	10	FT	21" CONDUIT, TYPE B, 706.02	
				109				109		611	09100	109	FT	21" CONDUIT, TYPE C, 707.45	
	50			251	53			354		611	10400	354	FT	24" CONDUIT, TYPE B, 706.02	
				136				136		611	10600	136	FT	24" CONDUIT, TYPE C, 707.45	
				46				46		611	52302	46	FT	19" X 30" CONDUIT, TYPE B, 706.04	

Item changed from relocation to removal

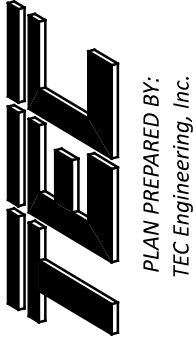
GENERAL SUMMARY

DESIGN AGENCY

 PLAN PREPARED BY:
 TEL Engineering, Inc.
 7288 Central Park Blvd.
 Mason, OH 45040
 DESIGNER
 KLL
 REVIEWER
 ALH 04/20/26
 PROJECT ID
 116550
 SHEET TOTAL
 016 | 166

REF NO.	SHEET NO.	STATION TO STATION				611	605	611	611	611	611	611	611	611	611	611	611	611	611	611	611	839	611	FOR INFORMATION ONLY			
						6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	12" CONDUIT, TYPE B, 706.02	12" CONDUIT, TYPE C, 707.45	15" CONDUIT, TYPE B, 706.02	15" CONDUIT, TYPE C, 707.45	18" CONDUIT, TYPE B, 706.02	18" CONDUIT, TYPE C, 707.45	21" CONDUIT, TYPE B, 706.02	21" CONDUIT, TYPE C, 707.45	24" CONDUIT, TYPE B, 706.02	24" CONDUIT, TYPE C, 707.45	19" X 30" CONDUIT, TYPE B, 706.04	CATCH BASIN, NO. 3	CATCH BASIN, NO. 3A	CATCH BASIN, NO. 6	MANHOLE, NO. 3	CATCH BASIN, NO. 2-3	TRENCH DRAIN, TYPE B WITH PEDESTRIAN GRATE	CONDUIT, MISC.; SANITARY SEWER ENCASEMENT	45° BEND	90° BEND
		PLAINFIELD ROAD				FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT					
	31	305+54	RT	T0	305+79	RT			15												25						
DC1-1	31			308+07																							
DC1-2	31			308+02																							
DM1-1	31			308+12																							
DM1-2	31			308+7																							
DC1-4	32			309+95																							
DM1-4	32			309+95																							
DC1-3	32			309+95																							
DM1-3	32			309+95																							
DC1-5	32			310+45																							
DM1-5	32			310+45																							
DC1-6	32			310+95																							
DM1-6	32			310+95																							
DC1-7	32			311+46																							
DM1-7	32			311+46																							
DC1-8	32			311+85																							
DM1-8	32			311+85																							
DC1-9	32			312+56																							
DM1-9	32			312+76																							
DM1-10	32			312+90																							
DC1-10	32			313+00																							
DM1-11	32			313+21																							
DC1-11	32			313+44																							
DC1-16	32			313+65																							
DC1-12	32			313+95																							
DM1-12	32			313+95																							
DC1-17	32			314+35																							
DC1-13	32			314+45																							
DC1-18	33			315+15																							
DC1-14	33			315+20																							
DC1-15	33			315+70																							
DM2-1	33			316+20																							
DM2-2	33			317+20																							
DC2-11	33			316+92																							
DC2-1	33			317+38																							
DM2-4	33			317+65																							
DC2-5	33			317+65																							
DC2-2	33			317+65																							
DC2-3	33			318+15																							
DM2-3	33			318+15																							
DM2-5	33			318+40																							
DC2-6	33			318+40																							
DM2-6	33			319+10																							
DC2-7	33			319+10																							
DC2-4	33			319+10																							
DM2-7	34			319+70																							
EX.	34			319+72																							
TOTALS CARRIED TO GENERAL SUMMARY								705	53	246	48		47	10	109	251	136	46	5	14	1	20	3	25	69		

Item changed from Each to FT

SUB SUMMARY - DRAINAGE

DESIGN AGENCY

 PLAN PREPARED BY:
 TEC Engineering, Inc.
 7288 Central Parke Blvd.
 Mason, OH 45040

DESIGNER
 KLL

REVIEWER
 ALH 04/20/26

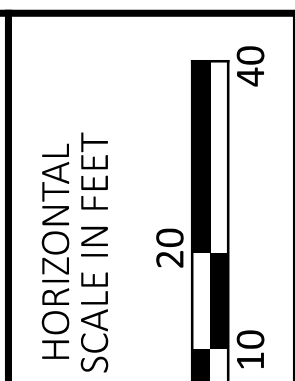
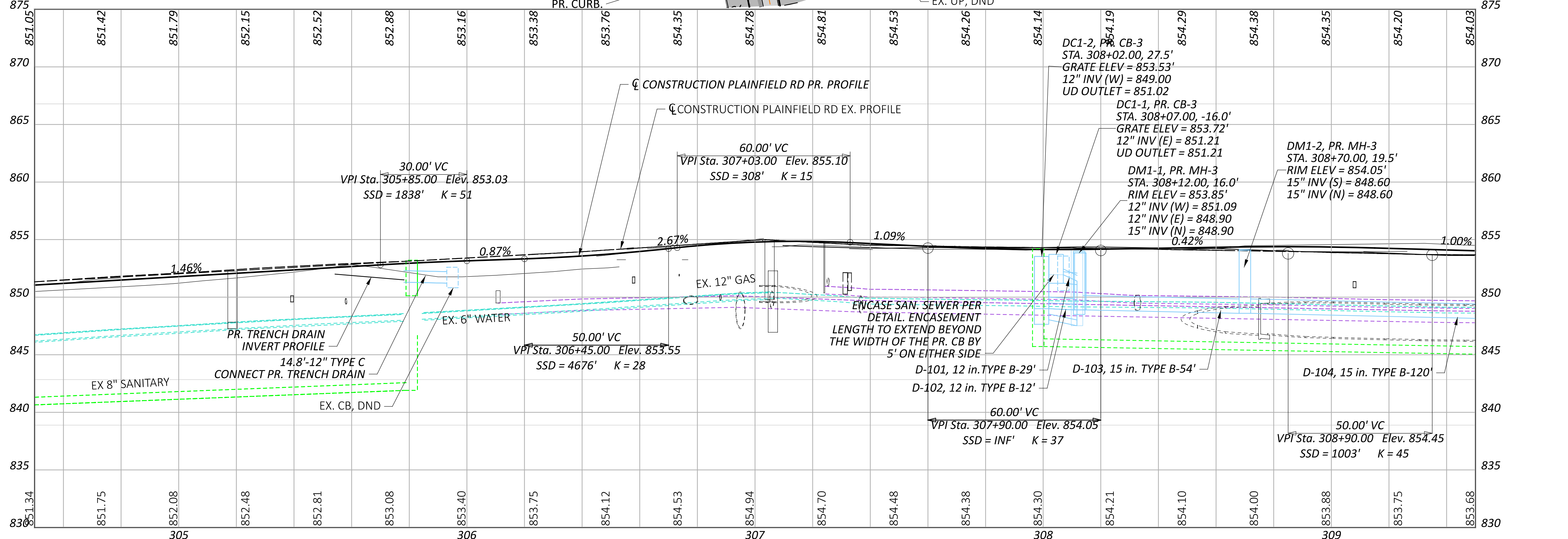
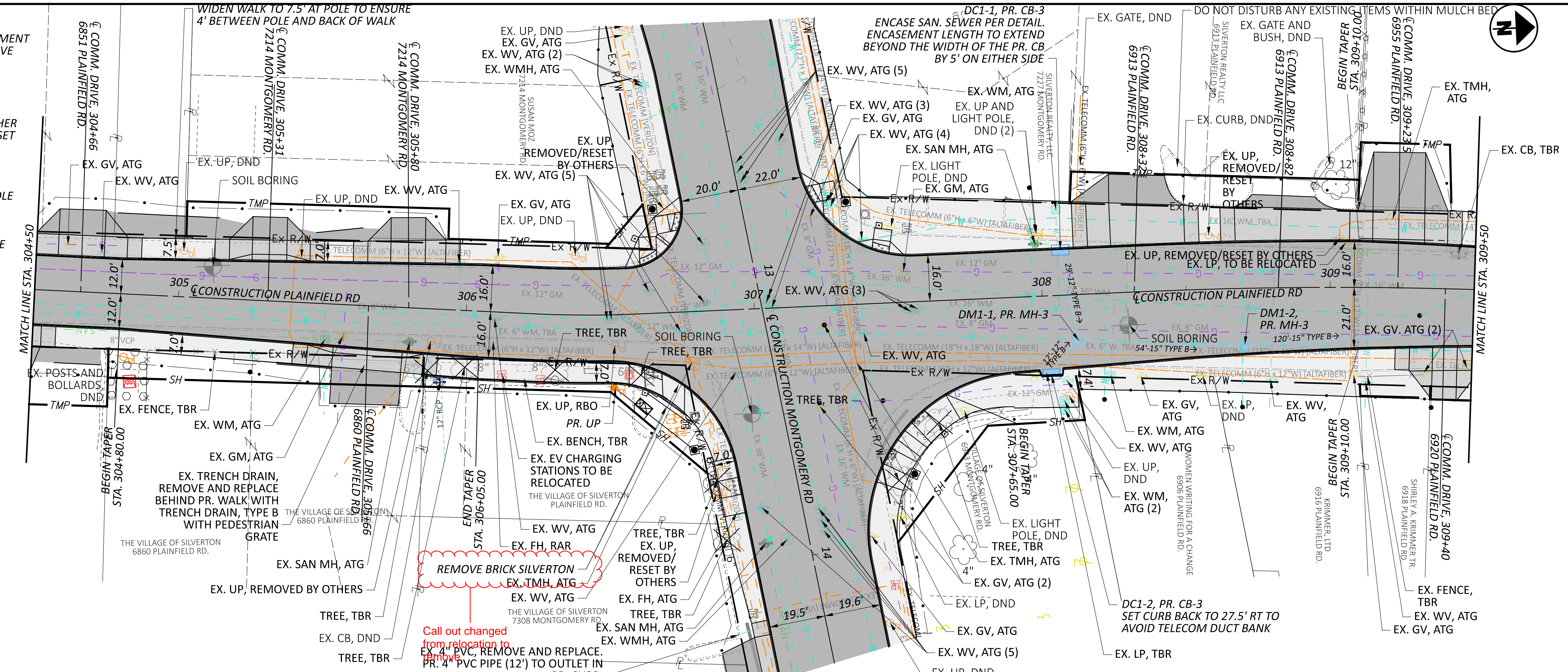
PROJECT ID
 116550

SHEET TOTAL
 022 | 166

REF NO.	SHEET NO.	STATION TO STATION						611		605		611		611		611		611		611		611		611		611		611		611		839		611		BENDS AND BRANCHES					
								6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS		6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC		12" CONDUIT, TYPE B, 706.02		12" CONDUIT, TYPE C, 707.45		15" CONDUIT, TYPE B, 706.02		15" CONDUIT, TYPE C, 707.45		18" CONDUIT, TYPE B, 706.02		18" CONDUIT, TYPE C, 707.45		21" CONDUIT, TYPE B, 706.02		21" CONDUIT, TYPE C, 707.45		24" CONDUIT, TYPE B, 706.02		24" CONDUIT, TYPE C, 707.45		19" X 30" CONDUIT, TYPE B, 706.04		CATCH BASIN, NO. 3		CATCH BASIN, NO. 3A		CATCH BASIN, NO. 6		MANHOLE, NO. 3	
							FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	45° BEND	90° BEND					
BLUE ASH RD																																									
D3-1	37	320+58.90								23																															
D3-2	37	70+21.00																				53																			
D3-3	37	70+46.00								26																															
D3-4	37	71+35.00																																							
D3-5	37	71+69.00								33																															
D3-6	37	72+70.00								131																															
D3-7	37	72+80.00								19																															
D3-8	37	73+32.00								58																															
D3-9	37	73+42.00								9																															
D3-10	37	74+34.00								98																															
D3-11	37	74+44.00								16																															
D3-12	38	74+73								35																															
D3-13	38	74+73								7																															
PLAINFIELD RD																																									
UD1	95	307+67	RT	TO	308+02	RT	10	31																																	
UD2	95	308+02	RT	TO	308+85	RT	10	77																																	
UD3	95	308+85	RT	TO	309+95	RT	10	104																																	
UD4	95	309+95	RT	TO	310+95	RT	10	95																																	
UD5	95	310+95	RT	TO	311+45	RT	10	49																																	
UD6	95	311+45	RT	TO	311+85	RT	10	38																																	
UD7	95	311+85	RT	TO	312+62	RT	10	74																																	
UD8	95	312+62	RT	TO	313+43	RT	10	78																																	
UD10	95	313+43	RT	TO	313+95	RT	10	48																																	
UD11	95	313+95	RT	TO	314+45	RT	10	48																																	
UD12	95	314+45	RT	TO	315+20	RT	10	71																																	
UD13	95	315+20	RT	TO	315+70	RT	10	47																																	
UD14	95	315+70	RT	TO	316+02	RT	10	31																																	
UD15	95	316+68	RT	TO	317+65	RT	10	94																																	
UD16	95	317+65	RT	TO	318+15	RT	10	45																																	
UD17	95	318+15	RT	TO	319+10	RT	10	93																																	
UD18	95	319+10	RT	TO	319+89	RT	10	79																																	
UD24	95	307+54	LT	TO	308+07	LT	10	49																																	
UD25	95	308+07	LT	TO	308+83	LT	10	73																																	
UD26	95	308+83	LT	TO	309+95	LT	10	111																																	
UD27	95	309+95	LT	TO	313+17	LT	10	324																																	
UD28	95	313+11	LT	TO	316+21	LT	10	312																																	
UD29	95	316+21	LT	TO	316+92	LT	10	73																																	
UD30	95	316+92	LT	TO	317+38	LT	10	44																																	
UD31	95	317+38	LT	TO	317+65	LT	10	20																																	
UD32	95	317+65	LT	TO	318+40	LT	10	71																																	
UD33	95	318+40	LT	TO	319+10	LT	10	66																																	
UD34	95	319+10	LT	TO	319+88	LT	10	78																																	
BLUEASH RD																																									
UD19	96	320+59	RT		70+46	RT	10	44																																	
UD20	96	70+46	RT		72+80	RT	10	231																																	
UD21	96	72+80	RT		73+52	RT	10	72																																	
UD22	96	74+44	RT		75+94	RT	10	150																																	
UD35	96	71+36	LT		71+69	LT	10	48																																	
UD36	96	71+69	LT		73+42	LT	10	171																																	
UD37	96	73+42	LT		74+73	LT	10	128																																	
UD38	96	74+73	LT		75+94	LT	10	117																																	
TOTALS CARRIED TO GENERAL SUMMARY							3																																		

LEGEND

- PR. ASPHALT PAVEMENT
- PR. CONCRETE DRIVE
- PR. PLANING
- PR. WALK
- ATG - ADJUST TO GRADE
- DND - DO NOT DISTURB
- TBR - TO BE REMOVED
- RBO - RELOCATED BY OTHER
- RAR - RELOCATE AND RESET
- FH - FIRE HYDRANT
- GV - GAS VALVE
- GM - GAS METER
- LP - LIGHT POLE
- TMH - TELECOM MANHOLE
- UP - UTILITY POLE
- WV - WATER VALVE
- WM - WATER METER
- WMH - WATER MANHOLE



PLAINFIELD RD PLAN AND PROFILE
STA. 304+50 TO STA. 309+50

DESIGN AGENCY	KLL
DESIGNER	ALH
REVIEWER	04/20/26
PROJECT ID	116550
SHEET	031
TOTAL	166