

1. CONDUIT AND MANHOLE NOTES

- 1.1 THE FOLLOWING RULES ON PECO ENERGY NOTES ARE PROVIDED TO THE CONTRACTOR
- 1.2 ALL CONDUIT AND MANHOLE INSTALLATIONS, MANHOLE LOCATIONS, AND TEMPORARY WORK SHALL BE DONE ACCORDING TO THE FOLLOWING NON-EXCLUSIVE CONDITIONS
- 1.3 ALL QUESTIONS AND DISCREPANCIES ON OTHER CONTRACTOR CONCERNS ARE TO BE REPORTED IN WRITING TO PECO AND THE ENGINEER AT (TANGIEM GROUP, INC. (810)265-2233), PRIOR TO BEGINNING OR COMMENCING

2. SCOPE OF WORK

- 2.1 INSTALLATION OF 150V (INDUSTRY APPROVED) 150V 12.5/25/50/100/150V ALUMINUM HIGH-VOLTAGE INSULATED CONDUIT (HVIC) WITH 1/2" WALL THICKNESS
- 2.2 CROW TO PULL ROLLER 250 LB NET WT. (150 LB) 1/2" WALL THICKNESS CONCENTRIC NEUTRAL CABLE 1-1/4" NEUTRAL ALUMINUM PROPOSED ROUTE
- 2.3 INSTALLATION OF 150V (INDUSTRY APPROVED) 150V 12.5/25/50/100/150V ALUMINUM HIGH-VOLTAGE INSULATED CONDUIT (HVIC) WITH 1/2" WALL THICKNESS
- 2.4 MANHOLE INSTALLATION AND CONDUIT INSTALLATION

3. MATERIALS

- 3.1 ALL MATERIALS INSTALLED WITHIN THE LIMITS OF THE PROJECT SHALL BE IN CONFORMANCE WITH STANDARD RECOMMENDATIONS OF THE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION AND MANUFACTURER'S SPECIFICATIONS
- 3.2 ALL THROWN MATERIALS INCLUDING CONDUIT ELBOWS AND CONDUIT SHALL BE OF THE HIGHEST QUALITY UNLESS OTHERWISE NOTED ON THESE DOCUMENTS OR AS IDENTIFIED BY APPLICABLE PECO GENERAL DESIGN DOCUMENTS (GDD)
- 3.3 JOB SITE MATERIAL MAY BE DELIVERED TO CONTRACTOR LAYDOWN AREA AND MAINTAINED AT THE STREET WORK AREA IN A SMALL MARKED MANNER TO MINIMIZE OBSTRUCTION OR INCONVENIENCE TO OTHER WORKERS, OR CONTRACTORS WORKING UNDER ALTERNATE PERMITS, TO PECO'S APPROVAL
- 3.4 THE CONTRACTOR SHALL PROVIDE ALL MATERIAL NOT PROVIDED BY PECO INCLUDING BUT NOT LIMITED TO CONDUIT, AND ALL EQUIPMENT (LABOR INSTALLATION, RESTORATION, UTILITY RELOCATION CHARGES, AND JOBSITE DELIVERY COSTS TO COMPLETE THE DESCRIBED, ILLUSTRATED, OR INTENT OF WORK UNDER THIS CONTRACT
- 3.5 SHIPPING, HANDLING, AND INSTALLATION OF MATERIAL TO BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS

4. GENERAL NOTES

- 4.1 THE EXISTING ABOVE-GROUND UTILITY STRUCTURES AND IMPROVEMENTS SHOWN ON THIS PLAN WERE FIELD LOCATED BY TANGIEM GROUP, INC. UTILIZING CONVENTIONAL DATA COLLECTION METHODS DURING SUMMER 2024
- 4.2 CONTRACTOR IS ADVISED TO CAREFULLY READ ALL NOTES ON DRAWINGS AND SHALL CONTACT PECO IMMEDIATELY IN WRITING WITH QUESTIONS OR CONCERNS PRIOR TO BEGINNING OR CONSTRUCTION
- 4.3 THE CONTRACTOR SHALL VERIFY EXISTING STREET RIGHT OF WAY TO THE EXTENT NECESSARY TO CONFIRM THAT ALL PROPOSED WORK REMAINS WITHIN THE EXISTING RIGHT OF WAY AND DOES NOT INFRINGE ONTO PRIVATE PROPERTY
- 4.4 READ PER DRAWINGS FOR GENERAL INFORMATION ONLY. LOCATIONS AND DIMENSIONS SHALL BE TAKEN AS SHOWN AND THE DRAWING SHALL NOT BE SCALED
- 4.5 COMPLY WITH THE REQUIREMENTS OF ALL AGENCIES HAVING JURISDICTION OVER THE WORK
- 4.6 THE CONTRACTOR SHALL OBTAIN ALL PERMITS FROM AGENCIES HAVING JURISDICTION OVER THE WORK AND SHALL COORDINATE THEIR WORK WITH THE WORK PERFORMED BY OTHERS FOR THE PROPOSED INSTALLATION
- 4.7 CONTRACTOR SHALL COORDINATE ALL WORK WITH ALL PUBLIC AND PRIVATE UTILITIES AS WELL AS APPLICABLE CITY, COUNTY AND STATE AGENCIES
- 4.8 THE CONTRACTOR SHALL CONTACT PECO AND THE ENGINEER AT LEAST TWO (2) WORKING DAYS PRIOR TO THE CONTRACTOR'S DESIGN MEET DATE TO ARRANGE A FIELD MEETING AND SET UP TO APPROVE THE ENTIRE SCOPE OF WORK, SPECIFIC LOCATIONS, AND METHODS OF ALL STRUCTURE ATTACHMENTS IN NO CASE SHALL WORK PROCEED WITHOUT A FIELD MEETING
- 4.9 THE CONTRACTOR SHALL NOTIFY THE ENGINEER, IN WRITING, WHEN FIELD CONDITIONS VARY FROM THE APPROVED PLAN OR THE METHOD OF ATTACHMENT CANNOT BE ACCOMMODATED AS PERMITTED. THE CONTRACTOR SHALL ONLY PROCEED WITH WRITTEN AUTHORIZATION FROM PECO
- 4.10 WHERE THE CONTRACTOR'S WORK REQUIRES INSPECTION BY THE ENGINEER PRIOR TO CONSTRUCTION OR AS NOTED ON THE PLANS, THE CONTRACTOR SHALL NOTIFY PECO AND THE ENGINEER, IN WRITING, AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF THE SITE INSPECTION TO ARRANGE A TIME FOR THE ADDITIONAL INSPECTION. PECO AND THEIR ENGINEER REVIEW AND COMMENT ON THE FIELD CONDITIONS ENCOUNTERED AT THE FIELD INSPECTION. PECO RESERVES THE RIGHT TO STOP WORK AS MAY BE NECESSARY FOR FIELD CONDITIONS ENCOUNTERED DURING THE FIELD VISIT. THE CONTRACTOR'S WORK SHALL NOT BE CONSIDERED COMPLETE UNTIL PECO'S INSPECTION COMMENTS ARE ADDRESSED BY THE CONTRACTOR TO PECO'S APPROVAL
- 4.11 PROJECT DATUM: ELEVATIONS SHOWN ON PLAN AND PROFILE SHEETS ARE ON LOCAL DATUM
- 4.12 THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, LABOR, INSTALLATION, RESTORATION, AND CONSUMABLE MATERIAL, UTILITY RELOCATION CHARGES, AND JOBSITE DELIVERY COSTS TO COMPLETE THE DESCRIBED OR ILLUSTRATED WORK UNDER THIS CONTRACT
- 4.13 ANY CHANGE ORDER REQUEST MUST BE PRESENTED IN WRITING TO PECO AND APPROVED PRIOR TO PROCEEDING WITH THE REQUESTED CHANGE. DOCUMENTATION CONCERNING ANY AND ALL CHANGE ORDERS WILL BE REQUIRED TO FORMAL RECORD, FILED WITH PECO AND BE MADE AVAILABLE FOR FUTURE REFERENCE
- 4.14 THE ENGINEER AND TANGIEM GROUP, INC. WILL NOT BE RESPONSIBLE NOR ASSUME ANY LIABILITY FOR NEGLIGENCE, ACTS OR OMISSIONS OF ANY CONTRACTOR, ANY SUBCONTRACTOR, OR ANY OTHER PERSONS (EXCEPT ENGINEER'S OWN EMPLOYEES) AT THE PROJECT SITE OR OTHERWISE PERFORMING ANY OF THE WORK OF THE PROJECT. ANY CONTRACTOR OR SUBCONTRACTOR, AS WELL AS THE ENGINEER, WILL BE RESPONSIBLE FOR HIS OWN SAFETY PROGRAM. NEITHER THE PROFESSIONAL ACTIVITIES OF THE ENGINEER, NOR THE PRESENCE OF THE ENGINEER OR HIS OR HER EMPLOYEES OR SUBCONSULTANTS AT THE CONSTRUCTION SITE, SHALL RELIEVE ANY CONTRACTOR OF HIS OR HER OBLIGATIONS, DUTIES OR RESPONSIBILITIES UNDER ANY APPLICABLE CONTRACT DOCUMENTS, MUNICIPAL ORDINANCES,

5. TEMPORARY OR PROVISIONS NECESSARY FOR PERFORMANCE, SUPERVISING OR COMMENCING ALL PORTIONS OF THE WORK OF CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES, THE ENGINEER AND HIS OR HER PERSONNEL, HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONTRACTOR, CONTRACTOR OR OTHER ENTITY OR THEIR EMPLOYEES IN CONNECTION WITH ANY HEALTH OR SAFETY PRECAUTIONS

- 5.1 THE CONTRACTOR SHALL PROVIDE PROTECTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING IMPROVEMENTS INDICATED TO REMAIN IN PLACE ON ADJOINING PROPERTIES AND ON EXISTING PECO ENERGY PROPERTY. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGE TO THEIR ORIGINAL CONDITION AS ACCEPTABLE TO THE PROPERTY OWNERS
- 5.2 THE CONTRACTOR SHALL BE AWARE OF STREET ELEVATION AND LOCAL GROUND WATER ELEVATION. THE CONTRACTOR SHALL CONTACT LOCAL AUTHORITIES AND OTHER LOCAL UTILITIES ON THIS MATTER. THE CONTRACTOR SHALL BE PREPARED TO PERFORM WORK NECESSARY TO COMPLETE THIS PROJECT IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL JURISDICTIONS

6. EXISTING UTILITIES

- 6.1 ALL EXISTING UTILITIES SHALL BE SHOWN ON THE APPROVED PLANS. THE CONTRACTOR SHALL VERIFY EXISTING UTILITIES AND CONDUIT SYSTEMS AT ALL TO BE RELOCATED, LOCATIONS AND METHODS OF RELOCATION SHALL BE DONE ACCORDING TO THE FOLLOWING NON-EXCLUSIVE CONDITIONS
- 6.2 THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A LIST OF ALL UTILITIES LOCATIONS WITHIN THE PROJECT LIMITS AND THEIR APPROXIMATE DEPTHS
- 6.3 THE CONTRACTOR SHALL CONTACT TANGIEM GROUP PUBLIC WORKS (810) 446-1000 AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION WITH THE NAME AND TELEPHONE NUMBER OF THE PROJECT SUPERVISOR WHO CAN BE CONTACTED FOR ANY SERVICE OF WATER SAMPLING
- 6.4 EXISTING UTILITY CONDITIONS, STRUCTURES, UTILITIES AND SURFACE FEATURES SHOWN WERE OBTAINED THROUGH PUBLIC WORKS (810) 446-1000 AND MUST BE REPAIRED BY THE CONTRACTOR AND ASSIGNED TO BE ACCURATE AND CORRECT. THE CONTRACTOR SHALL PERFORM HIS OWN SURVEY AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS OF EXISTING STRUCTURES PRIOR TO STARTING ANY WORK
- 6.5 THE CONTRACTOR SHALL PERFORM SURVEYS AT ALL UTILITY LOCATIONS TO VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO ANY EXCAVATION, AND TO LOCATE ANY POSSIBLE OBSTRUCTIONS. CONTRACTOR TO FIELD VERIFY LOCATIONS OF ALL OVERHEAD OBSTRUCTIONS PRIOR TO COMMENCEMENT OF WORK
- 6.6 ALL EXCAVATIONS AROUND EXISTING STRUCTURES AND UTILITIES SHALL BE HANDICAPPED OR EXCAVATED BY THE USE OF SOFT SOIL AS ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION AND PECO
- 6.7 ALL DISCREPANCIES REGARDING EXISTING UTILITIES ARE TO BE REPORTED TO PECO AND THE ENGINEER AT (TANGIEM GROUP, INC. (810)265-2233). ANY QUESTIONS OR COMMENTS THE CONTRACTOR MAY HAVE ARE TO BE INCORPORATED WITH PECO AND ENGINEER PRIOR TO CONSTRUCTION
- 6.8 THE CONTRACTOR SHALL REPORT THE LOCATION AND ELEVATION OF ALL UTILITIES (UNDERGROUNDED AND INSTALLATION OF WORK) AS THE WORK PROGRESSES AND SHALL PREPARE RECORD DRAWINGS (FIELD NOTES BASED ON THEIR RECORDS), THE RECORD DRAWINGS, AND COPIES OF CONTRACTOR'S FIELD NOTES ARE TO BE SUPPLIED TO PECO AND THE TANGIEM GROUP, INC. UNDER PROJECT COMPLETION
- 6.9 MAINTAIN THE WORK SURROUNDING THE VERTICAL AND HORIZONTAL CLEARANCES REQUIRED BY PECO AND THE AFFECTED UTILITY REGARDING EXISTING UNDERGROUND AND NEW WORK
- 6.10 IF SEWER/SEWER FACILITIES ARE DAMAGED DURING CONSTRUCTION, IT MUST BE REPORTED TO TANGIEM GROUP PUBLIC WORKS (810) 446-1000 AND MUST BE REPAIRED BY A LICENSED DRAIN LAYER UNDER THE SUPERVISION OF THE MUNICIPAL INSPECTOR
- 6.11 AT LOCATIONS OF HOME SEWER DRAIN INTERFERENCE, REPLACE SEWER UTILITY IN KIND. IN ALL CASES WHERE SEWER WORK IS DONE, A PERMIT SHOULD BE OBTAINED AND A SEWER INSPECTOR SHOULD BE PRESENT DURING THE WORK
- 6.12 CONTRACTOR SHALL SUPPORT AND PROTECT ALL GAS AND WATER MAINS GREATER THAN 18" IN DIAMETER WITH A PERMANENT TYPE OF STRUCTURE UNLESS OTHERWISE INDICATED BY THE OWN COMPANY OR PRIVATELY OWNED WATER COMPANY AND IS INCLUDED IN COST FOR SOUND THE WORK. AT NO TIME DURING CONSTRUCTION SHALL WATER MAINS OR GAS MAINS BE UNSUPPORTED FOR THE LESSER OF A SPAN GREATER THAN 4' OR AS DIRECTED BY THE APPROPRIATE UTILITY
- 6.13 CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PROVIDING THE DESIGN AND REVIEW OF ANY AND ALL TEMPORARY UTILITY SUPPORT SYSTEMS PRIOR TO CONSTRUCTION. IN ACCORDANCE WITH THE RULES AND REGULATIONS ESTABLISHED BY THE GOVERNING AUTHORITIES AND JURISDICTIONS AND THE APPLICABLE UTILITIES
- 6.14 CONTRACTOR SHALL NOTIFY PECO IN SITUATIONS WHERE STREET PIPE CONDUIT IS NEEDED DURING EXCAVATION. IN THESE INSTANCES, PECO WILL EVALUATE THE EXTENT OF THE DAMAGE SO AS TO DETERMINE WHETHER REPAIR IS REQUIRED PRIOR TO BACKFILL AND GRADE SURFACE RESTORATION
- 6.15 ALL STONES IF DAMAGED OR GREATER AND/OR SPACING OTHER SHALL BE REMOVED FROM EXCAVATION. ALL RAILROAD TRACKS ENCOUNTERED DURING EXCAVATION, WHETHER OR DRAWINGS OR NOT, SHALL BE VERIFIED OR ABANDONED BEFORE REMOVAL. ALL EXISTING INFRASTRUCTURE ENCOUNTERED DURING EXCAVATION SHALL BE VERIFIED WITH PECO AS ABANDONED BEFORE REMOVAL. FACILITY RELOCATION SHALL NOT BE PERFORMED WITHOUT NOTIFYING PECO, THE ENGINEER, AND PECO'S FIELD CONSTRUCTION MANAGER
- 6.16 THE CONTRACTOR SHALL CONFORM TO EXISTING AND PECO RULES AND REGULATIONS REGARDING THE HANDLING OF ENVIRONMENTALLY SENSITIVE MATERIALS AS GOVERNED BY THE MOST RECENT REVISION OF "EPA 401" AS WELL AS THE RULES AND REGULATIONS ESTABLISHED BY LOCAL, STATE, AND FEDERAL AUTHORITIES

7. SAFETY

- 7.1 CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT UTILITIES, PEDESTRIANS, WORKERS AND VEHICULAR TRAFFIC. CONTRACTOR SHALL PROVIDE TEMPORARY FENCES, BARRICADES AS REQUIRED TO PROTECT ADJACENT PROPERTY AND THE PUBLIC DURING ALL PHASES OF CONSTRUCTION
- 7.2 CONTRACTOR SHALL PROVIDE ALL TEMPORARY BARRICADES, SIGNAGE, WARNING LIGHTS AND OTHER DEVICES AND MAINTAIN THESE OPERATIONAL 24 HOURS A DAY AT ALL OPEN TRENCHES AND AT LOCATIONS WHICH DO NOT HAVE A FINISHED SURFACE
- 7.3 CONTRACTOR SHALL INSTALL AND DESIGN WOODEN BRIDGES WITH GUARDRAILS OVER THE UNDERUTILIZED PORT OF A BRIDGE WITHIN THE PROJECT LIMITS. ALL BRIDGES SHALL BE INSTALLED TO FACE TOWARD THE BRIDGE IN ORDER TO BE USED IN EMERGENCIES. BRIDGES SHALL BE INSTALLED WITH A MINIMUM OF 18" OF FREE BOARD OVER THE BRIDGE. BRIDGES SHALL BE INSTALLED WITH A MINIMUM OF 18" OF FREE BOARD OVER THE BRIDGE. BRIDGES SHALL BE INSTALLED WITH A MINIMUM OF 18" OF FREE BOARD OVER THE BRIDGE

8. ATRESS ANY PORTION OF THE CABLE

- 8.1 CONTRACTOR SHALL PROVIDE APPROPRIATELY ENGINEERED DE-WATERING MEASURES IF NECESSARY TO INSURE UNDERGROUND TABLE REMAINS AT A DEPTH BELOW THE BASE OF THE EXCAVATION AT ALL TIMES DURING EXCAVATION, REPAIR WORK AND BACKFILLING OPERATIONS
- 8.2 THE CONTRACTOR SHALL NOTIFY, IN WRITING, PECO AND THE ENGINEER FOR RESOLUTION OF SITUATIONS WHERE DUCT PASSAGE DEPTH BELOW GRADE EXCEEDS DEPTH CURRENTLY SHOWN ON PLAN/PREFRAME DRAWINGS
- 8.3 PECO AND THE ENGINEER SHALL ALSO BE NOTIFIED FOR RESOLUTION OF SITUATIONS WHERE DUCT PASSAGE DEPTH BELOW GRADE EXCEEDS DEPTH CURRENTLY SHOWN ON PLAN/PREFRAME DRAWINGS
- 8.4 CONTRACTOR SHALL NOTIFY, IN WRITING, PECO AND THE ENGINEER FOR RESOLUTION OF SITUATIONS WHERE DUCT PASSAGE DEPTH BELOW GRADE EXCEEDS DEPTH CURRENTLY SHOWN ON PLAN/PREFRAME DRAWINGS

9. SIDE RESTORATION

- 9.1 CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES AND SURFACE FEATURES SHOWN WERE OBTAINED THROUGH PUBLIC WORKS (810) 446-1000 AND MUST BE REPAIRED BY THE CONTRACTOR AND ASSIGNED TO BE ACCURATE AND CORRECT. THE CONTRACTOR SHALL PERFORM HIS OWN SURVEY AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS OF EXISTING STRUCTURES PRIOR TO STARTING ANY WORK
- 9.2 CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES AND SURFACE FEATURES SHOWN WERE OBTAINED THROUGH PUBLIC WORKS (810) 446-1000 AND MUST BE REPAIRED BY THE CONTRACTOR AND ASSIGNED TO BE ACCURATE AND CORRECT. THE CONTRACTOR SHALL PERFORM HIS OWN SURVEY AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS OF EXISTING STRUCTURES PRIOR TO STARTING ANY WORK
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- 9.4 CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES AND SURFACE FEATURES SHOWN WERE OBTAINED THROUGH PUBLIC WORKS (810) 446-1000 AND MUST BE REPAIRED BY THE CONTRACTOR AND ASSIGNED TO BE ACCURATE AND CORRECT. THE CONTRACTOR SHALL PERFORM HIS OWN SURVEY AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS OF EXISTING STRUCTURES PRIOR TO STARTING ANY WORK
- 9.5 CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES AND SURFACE FEATURES SHOWN WERE OBTAINED THROUGH PUBLIC WORKS (810) 446-1000 AND MUST BE REPAIRED BY THE CONTRACTOR AND ASSIGNED TO BE ACCURATE AND CORRECT. THE CONTRACTOR SHALL PERFORM HIS OWN SURVEY AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS OF EXISTING STRUCTURES PRIOR TO STARTING ANY WORK
- 9.6 CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES AND SURFACE FEATURES SHOWN WERE OBTAINED THROUGH PUBLIC WORKS (810) 446-1000 AND MUST BE REPAIRED BY THE CONTRACTOR AND ASSIGNED TO BE ACCURATE AND CORRECT. THE CONTRACTOR SHALL PERFORM HIS OWN SURVEY AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS OF EXISTING STRUCTURES PRIOR TO STARTING ANY WORK
- 9.7 CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES AND SURFACE FEATURES SHOWN WERE OBTAINED THROUGH PUBLIC WORKS (810) 446-1000 AND MUST BE REPAIRED BY THE CONTRACTOR AND ASSIGNED TO BE ACCURATE AND CORRECT. THE CONTRACTOR SHALL PERFORM HIS OWN SURVEY AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS OF EXISTING STRUCTURES PRIOR TO STARTING ANY WORK
- 9.8 CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES AND SURFACE FEATURES SHOWN WERE OBTAINED THROUGH PUBLIC WORKS (810) 446-1000 AND MUST BE REPAIRED BY THE CONTRACTOR AND ASSIGNED TO BE ACCURATE AND CORRECT. THE CONTRACTOR SHALL PERFORM HIS OWN SURVEY AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS OF EXISTING STRUCTURES PRIOR TO STARTING ANY WORK
- 9.9 RESTORATION OF THE EXCAVATION OF THE CONDUIT RUNNINGS SHALL NOT BE LIMITED TO CONCRETE (PLAN AND PROFILE ONLY), SOIL, GRASS, DIRT, BACKFILL, SPRINGS, TREES, STREET, CONCRETE DRIVE, ASPHALT PAVEMENT, HOT ROLLED ASPHALT, DRIVEWAY, CURB AND GUTTER, HANDICAPPED RAMPS, AND REINSTALLATION OF ALL SIGNS, MAILBOXES, TRAFFIC SIGNALS, TRAFFIC SIGNAL BOX, METERS, CITY LIGHT STANDARDS, RESTORERS, PLANTERS, AND CANOPIES. CONTRACTOR TO PAY ALL FEES AND OBTAIN ALL PERMITS FOR RESTORATION AS PART OF THEIR BASE BID
- 9.10 CONTRACTOR IS TO RESTORE ALL DAMAGED STRUCTURES AND UTILITIES TO THE SATISFACTION OF PECO AND THEIR ENGINEERING REPRESENTATIVE AT THE BEQUEST OF PECO
- 9.11 CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES AND SURFACE FEATURES SHOWN WERE OBTAINED THROUGH PUBLIC WORKS (810) 446-1000 AND MUST BE REPAIRED BY THE CONTRACTOR AND ASSIGNED TO BE ACCURATE AND CORRECT. THE CONTRACTOR SHALL PERFORM HIS OWN SURVEY AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS OF EXISTING STRUCTURES PRIOR TO STARTING ANY WORK

CERTIFIED CORRECT PLANS

W. N. A. P.E.

Professional Engineer

Approved by Bureau of Technical Utility Services

PA PUBLIC UTILITY COMMISSION

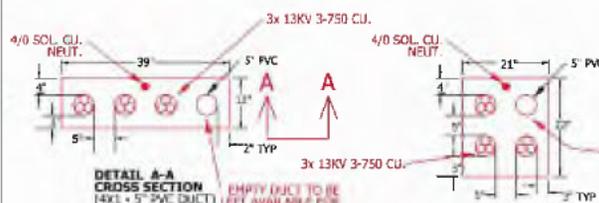
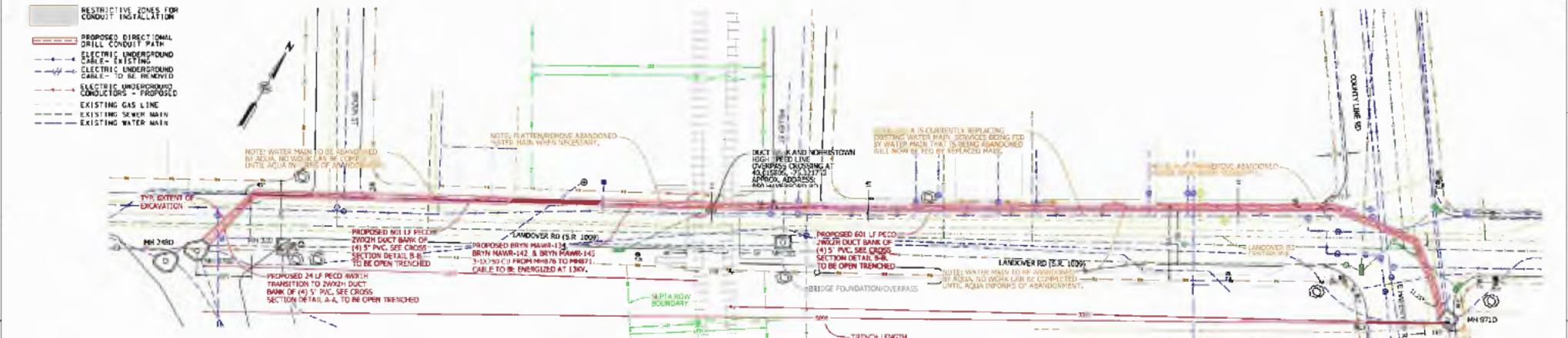
ATTEST *M. L. H.* Secretary

Rev.	Date	Description of Revision	Prep.	Rev.	Appr.
A	2/28/2025	Issued for Approval	RLN	RLN	RLN
B	2/28/2025	Update with City of Harrisburg	RLN	RLN	RLN
C	2/28/2025	Update with City of Harrisburg	RLN	RLN	RLN

			Title BRYN MAWR 134 145 MAINSTEM CABLE GENERAL NOTES
		Date: 2/28/2025 Prep: R. Hart	Drawing #: 304910_E001 Project #: EDSBWR02
		Sheet #: 2 of 3 Scale: NTS	Rev.

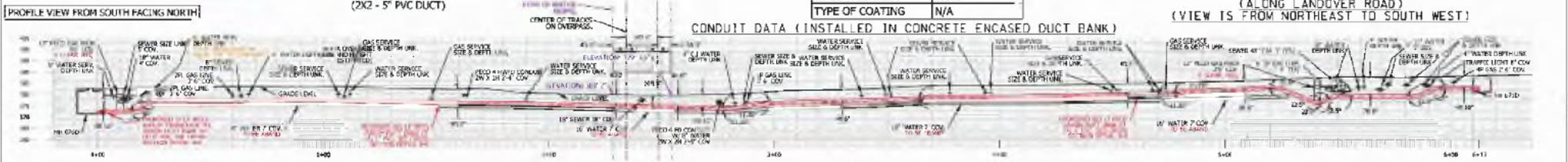
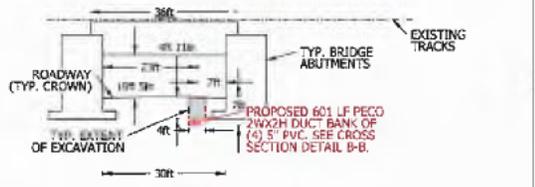
LANDOVER ROAD UNDERGROUND CROSSING

- LEGEND**
- 2 PECCO MANHOLE - EXISTING
 - x PECCO POLE - PROPOSED
 - RESTRICTIVE ZONES FOR CONDUIT INSTALLATION
 - PROPOSED DIRECTIONAL DRILL CONDUIT PATH
 - ELECTRIC UNDERGROUND CABLE - EXISTING
 - ELECTRIC UNDERGROUND CABLE - TO BE REMOVED
 - ELECTRIC UNDERGROUND CABLE USE - PROPOSED
 - EXISTING GAS LINE
 - EXISTING SEWER MAIN
 - EXISTING WATER MAIN



NORRISTOWN HIGH SPEED LINE CROSSING PLAN VIEW: 1in = 30ft

CONDUIT / CASING PIPE	
NOMINAL SIZE OF PIPE	5"
MATERIAL	PVC
OUTSIDE DIAMETER	5.563"
INSIDE DIAMETER	5.46"
WALL THICKNESS	0.103"
TYPE OF COATING	N/A



NORRISTOWN HIGH SPEED LINE CROSSING PROFILE VIEW: 1in = 70ft

PECO WO#18037286
 PECO Project: EDSBMR2
 Bryn Mawr, Delaware County, PA
 SEPTA File Number: ROE 52

NOTE: IF TRACK FOULING OCCUR, CONTACT SEPTA. SEPTA REQUIRES A SEPTA QPE ON-SITE IF FOULING WILL OCCUR.

NOTE: CONSTRUCTION TO BE PERFORMED IN ACCORDANCE WITH PECCO STANDARDS AND SEPTA NORRISTOWN HIGH SPEED LINE SPECIFICATIONS.

CAUTION: BE COGNIZANT OF THE DIMINISHED VERTICAL CLEARANCE BENEATH THE BRIDGE.

NOTE: INFORMATION SHOWN TO BE USED IN CONJUNCTION WITH LATEST IPC CONSTRUCTION DOCUMENTS.



Rev	By	Date	Description of Revision	Prep	Rev	Appr.
1



IFA	Title BRYN MAWR 134, 145 MAINSTEM CABLE LANDOVER RD UG CONDUIT
Date: 2/28/2025	Drawing #: 304510_E001
Prep: R. Hart	Project #: EDSBMR2
Sheet #: 3 of 3	Scale: AS NOTED