



**SITE PLAN**

**DUCT CONSTRUCTION NOTES:**

- ALL ELECTRICAL DUCTS UNDER PAVEMENT, PUBLIC SIDEWALKS AND WITHIN THE DANVILLE GREEN SHALL BE ENCASED IN CONCRETE. DUCTS MAY BE DIRECT BURIED IN ALL OTHER LOCATIONS, AS DETERMINED BY THE ENGINEER.
- ALL COMMUNICATION DUCTS SHALL BE ENCASED IN CONCRETE. THE ONLY EXCEPTION TO THIS SHALL BE WHEN RESIDENTIAL OR COMMERCIAL SERVICE DUCTS ARE NOT LOCATED UNDER DRIVEWAYS, ROADWAYS AND PUBLIC SIDEWALKS.

**LEGEND**

- CHARTER CONDUIT
- CVPS CONDUIT (TRANSMISSION)
- CVPS CONDUIT (SERVICE)
- FAIRPOINT CONDUIT
- SOVERNET CONDUIT
- TYPICAL DUCT BANK (SEE DETAILS)
- ⊠ BURIED CABLE PEDESTAL (FAIRPOINT)
- ⊠ BURIED CABLE PEDESTAL (CHARTER)
- ⊠ CVPS 1 PHASE TRANSFORMER
- ⊠ CVPS 3 PHASE TERMINATING CABINET
- ⊠ SOVERNET HANDHOLE
- ⊠ 3.7M L x 1.8M W x 2.1M D 'J' TYPE VAULT (FAIRPOINT)
- ⊠ 3.7M L x 1.8M W x 2.1M D 'J' TYPE VAULT (CHARTER)
- ⊙ EXISTING UTILITY POLE
- ⊙ PROPOSED UTILITY POLE
- ⊙ DUCT BANK TYPICAL SECTION #, WITH DIRECTION ARROW (SEE NOTE 3)

**NOTES:**

- SEE UP-4A FOR PAY ITEM AND CONDUIT SCHEDULE.
- SEE DUCT BANK TYPICAL SECTION DB-01 AND DB-02 FOR DUCT BANK TYPICAL SECTIONS. SEE TYPICAL DUCT BANK PROFILES ON DTP-01 THROUGH DTP-04.
- SEE UTILITY POLE RISER DETAILS RD-01 FOR LOCATION OF RISERS ON EACH UTILITY POLE.

**UTILITY RELOCATION NOTES**

**GENERAL NOTES:**

- UTILITY DUCT LAYOUTS AND PROFILES ARE SCHEMATIC AND INTENDED TO IDENTIFY DESIRED DUCT ROUTES AND POTENTIAL CONFLICTS. LOCATIONS PROPOSED ON THE PLANS ARE SHOWN AS APPROXIMATE. HORIZONTAL AND VERTICAL DUCT LOCATIONS SHALL BE REVIEWED IN THE FIELD AND ADJUSTED AS NECESSARY AS DIRECTED BY THE RESIDENT ENGINEER. FINAL LOCATIONS SHALL BE MARKED IN THE FIELD AND APPROVED BY THE UTILITY COMPANY REPRESENTATIVE RESPONSIBLE FOR CONSTRUCTION OVERSIGHT AND BY THE RESIDENT ENGINEER PRIOR TO COMMENCING ANY UTILITY WORK.
- UTILITY POLE, VAULT PEDESTAL AND TERMINATING CABINET LOCATIONS SHOWN ON THE PLANS SHALL BE ADJUSTED AS NECESSARY AS DIRECTED BY THE RESIDENT ENGINEER. FINAL LOCATIONS SHALL BE MARKED IN THE FIELD AND APPROVED BY THE UTILITY REPRESENTATIVE RESPONSIBLE FOR CONSTRUCTION OVERSIGHT AND BY THE RESIDENT ENGINEER PRIOR TO COMMENCING ANY UTILITY WORK.
- EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS AND PROFILES ARE CONSIDERED APPROXIMATE. EXPLORATORY EXCAVATION SHALL BE USED AS NECESSARY TO LOCATE EXACT DEPTH OF EXISTING UNDERGROUND UTILITIES WITHIN VICINITY OF THE UTILITY TRENCH PRIOR TO COMMENCING ANY UTILITY WORK. CONFLICTS BETWEEN THE PROPOSED UTILITY DUCTS AND EXISTING UTILITIES SHALL BE RESOLVED BY THE CONTRACTOR. CONFLICT RESOLUTION SHALL BE REVIEWED AND APPROVED BY THE RESIDENT ENGINEER AND UTILITY REPRESENTATIVE RESPONSIBLE FOR CONSTRUCTION PRIOR TO COMMENCING ANY UTILITY WORK.

**CVPS RELOCATION:**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION OF AN UNDERGROUND DUCT SYSTEM, INCLUDING DUCT BANKS, VAULTS, PEDESTALS/PADS ALONG WITH ASSOCIATED TRENCHING, BACKFILLING, CONCRETE DUCT ENCASEMENTS AND OTHER ASSOCIATED CONSTRUCTION. COST FOR THIS WORK SHALL BE PAID UNDER THE FOLLOWING ITEMS:  
 900.620 SPECIAL PROVISION (CVPS 1 PHASE TRANSFORMER)  
 900.620 SPECIAL PROVISION (CVPS 3 PHASE VAULT)  
 900.640 SPECIAL PROVISION (DIRECT BURIAL DUCT BANK, 1-4 DUCTS) (75MM)  
 900.640 SPECIAL PROVISION (DIRECT BURIAL DUCT BANK, 1-4 DUCTS) (125MM)  
 900.640 SPECIAL PROVISION (CONCRETE ENCASED DUCT BANK, 1-4 DUCTS) (75MM)  
 900.640 SPECIAL PROVISION (CONCRETE ENCASED DUCT BANK, 1-4 DUCTS) (125MM)
- THE COST FOR TRENCH EXCAVATION, BACKFILLING OF AND TEMPORARY STABILIZATION OF UTILITY TRENCHES WILL NOT BE PAID FOR SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL TO EACH DUCT BANK ITEM.
- THE COST FOR TEMPORARILY PATCHING PAVEMENT SHALL BE PAID FOR UNDER ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY). PAY LIMITS FOR THE PAVEMENT PATCH WILL BE AS SHOWN ON DUCT BANK TYPICAL SECTIONS DB-01 AND DB-02.
- THE CONTRACTOR SHALL ALSO INSTALL METER SOCKETS AND ALL RESIDENTIAL/COMMERCIAL ELECTRICAL SERVICE ENTRANCE CONNECTIONS FROM PEDESTAL AND/OR TRANSFORMER LOCATIONS TO OWNER ELECTRICAL PANELS. THIS WORK SHALL BE PAID FOR UNDER ITEM 900.620 SPECIAL PROVISION (REPLACEMENT OF EXISTING METER SOCKET).
- THE UTILITY COMPANY WILL PROVIDE LABOR AND MATERIALS NECESSARY FOR THE INSTALLATION OF ELECTRICAL METERS, MAKE CONNECTIONS IN THE TRANSFORMER/PEDESTAL, AND WILL REMOVE AND DISPENSE OF ALL EXISTING ELECTRICAL DISTRIBUTION FACILITIES/COMPONENTS BEING REPLACED BY THE NEW UNDERGROUND SYSTEM.
- ALL AERIAL RELOCATION INCLUDING SETTING NEW POLES AND GUY WIRES WILL BE COMPLETED BY THE UTILITY COMPANY.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL EQUIPMENT INSTALLED MEETS THE UTILITY COMPANY MATERIAL AND CONSTRUCTION SPECIFICATIONS.

**CHARTER, FAIRPOINT AND SOVERNET RELOCATIONS:**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION OF AN UNDERGROUND DUCT SYSTEM, INCLUDING DUCT BANKS, VAULTS, PEDESTALS/PADS ALONG WITH ASSOCIATED TRENCHING, BACKFILLING, CONCRETE DUCT ENCASEMENTS AND OTHER ASSOCIATED CONSTRUCTION. COST FOR THIS WORK SHALL BE PAID UNDER THE FOLLOWING ITEMS:  
 900.620 SPECIAL PROVISION (J TYPE VAULT) (3.7 M x 1.8 M x 2.1 M)  
 900.620 SPECIAL PROVISION (BURIED CABLE PEDESTAL)  
 900.640 SPECIAL PROVISION (CONCRETE ENCASED DUCT BANK, 1-4 DUCTS) (50MM)  
 900.640 SPECIAL PROVISION (CONCRETE ENCASED DUCT BANK, 1-4 DUCTS) (100MM)  
 900.640 SPECIAL PROVISION (CONCRETE ENCASED DUCT BANK, 5-8 DUCTS) (100MM)  
 900.640 SPECIAL PROVISION (DIRECT BURIAL DUCT BANK, 1-4 DUCTS) (50MM)  
 900.640 SPECIAL PROVISION (DIRECT BURIAL DUCT BANK, 1-4 DUCTS) (100MM)
- THE COST FOR TRENCH EXCAVATION, BACKFILLING AND TEMPORARY STABILIZATION OF UTILITY TRENCHES WILL NOT BE PAID FOR SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL TO EACH DUCT BANK ITEM.
- THE COST FOR TEMPORARILY PATCHING PAVEMENT SHALL BE PAID FOR UNDER ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY). PAY LIMITS FOR THE PAVEMENT PATCH WILL BE AS SHOWN ON DUCT BANK TYPICAL SECTIONS DB-01 AND DB-02.
- THE UTILITY COMPANY WILL PROVIDE LABOR AND MATERIALS NECESSARY FOR THE INSTALLATION OF ALL RESIDENTIAL/COMMERCIAL SERVICE ENTRANCE CONNECTIONS FROM PEDESTAL AND/OR TRANSFORMER LOCATIONS, AND WILL REMOVE AND DISPOSE OF ALL EXISTING FACILITIES COMPONENTS BEING REPLACED BY THE NEW UNDERGROUND SYSTEM.
- ALL AERIAL RELOCATION INCLUDING SETTING NEW POLES AND GUY WIRES WILL BE COMPLETED BY THE UTILITY COMPANY.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL EQUIPMENT INSTALLED MEETS THE UTILITY COMPANY MATERIAL AND CONSTRUCTION SPECIFICATIONS.
- ALL DUCTS MUST HAVE 300 LB PULL ROPE WITH AT LEAST ONE DUCT CONTAINING A MEASURING TAPE TO EACH POLE/PEDESTAL LOCATION.
- CONDUIT ALIGNMENT SHOULD NOT BE TANGENT TO POLES. THIS WILL CONFLICT WITH ANCHOR PLACEMENT AND POSSIBLE POLE PLACEMENTS.
- ALL CONDUIT BENDS AT PEDESTAL LOCATION TO BE CAPPED AND STRAPPED TOGETHER 3" ABOVE GROUND LEVEL WITH #6 GROUND WIRE EXTENDING TO ANY POWER PEDESTAL WITHIN 10' OF PROPOSED TELCO PEDESTAL.
- EAST/WEST DUCT ELEVATION ENTERING THE VAULTS MUST BE EQUAL AND MUST START AT THE LOWEST MOST PENETRATIONS. NORTH/SOUTH DUCT ELEVATION ENTERING THE VAULTS MUST BE EQUAL AND MUST START AT THE BOTTOM OF THE TOP 12 PENETRATIONS.

**REPLACEMENT SHEETS  
ISSUED 02/24/2012**



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<b>UTILITY PLAN UP-5</b>	

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