DUCTBANK SCHEDULE SIZE DUCTBANK FROM TO DESCRIPTION **NOTES UTILITY POLE** MANHOLE PRIMARY ELECTRIC SERVICE POWER DUCT BANK TYPICAL FOR BOTH POLE RISERS **POWER UTILITY POLE** MANHOLE PRIMARY ELECTRIC SERVICE MANHOLE MANHOLE PRIMARY ELECTRIC SERVICE POWER MANHOLE MANHOLE PRIMARY ELECTRIC SERVICE POWER 5" POWER MANHOLE MANHOLE SPARE POWER TELE/DATA UTILITY POLE MANHOLE TELEPHONE MANHOLE FIBER COMMUNICATIONS TELE/DATA UTILITY POLE TELE/DATA **UTILITY POLE** MANHOLE SPARE POWER MANHOLE MANHOLE PRIMARY ELECTRIC SERVICE POWER MANHOLE MANHOLE PRIMARY ELECTRIC SERVICE PROVIDE A MINIMUM 1'-0" **POWER** MANHOLE MANHOLE SPARE POWER SPACING BETWEEN ALL POWER TELE/DATA MANHOLE MANHOLE TELEPHONE AND TELE/DATA CONDUITS FIBER COMMUNICATIONS TELE/DATA MANHOLE MANHOLE SPARE TELE/DATA MANHOLE MANHOLE POWER LIGHTING CONTROL PANEL LIGHT POLE BASES SITE LIGHTING POWER **DUCTBANK SCHEDULE** 

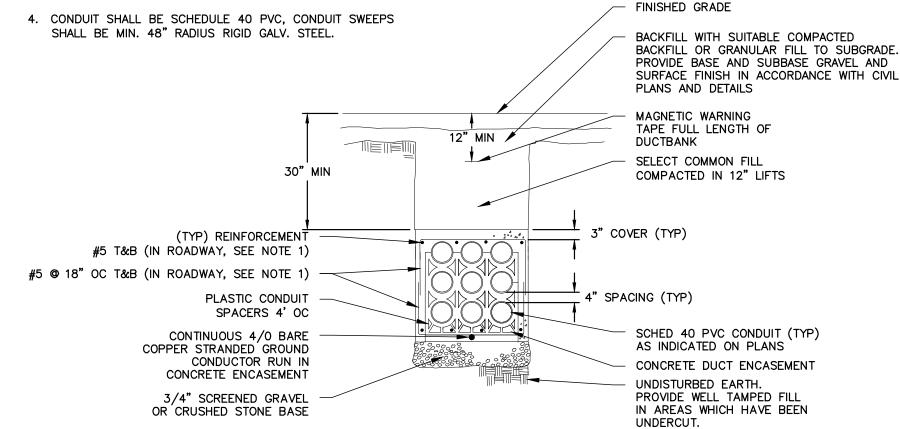
SITE DUCTBANK NOTES:

1. REBAR REINFORCEMENT IS REQUIRED BENEATH ROAD CROSSINGS ONLY, TO 3'-0" OF EITHER SIDE.

2. ALL CONDUITS, INCLUDING RISER CONDUITS, NEED TO BE SLOPED TO DRAIN INTO MANHOLES OR TRANSFORMER

FOUNDATIONS, 3" PER 100'.

3. INSTALL A PULLING LINE WITHIN EACH CONDUIT.



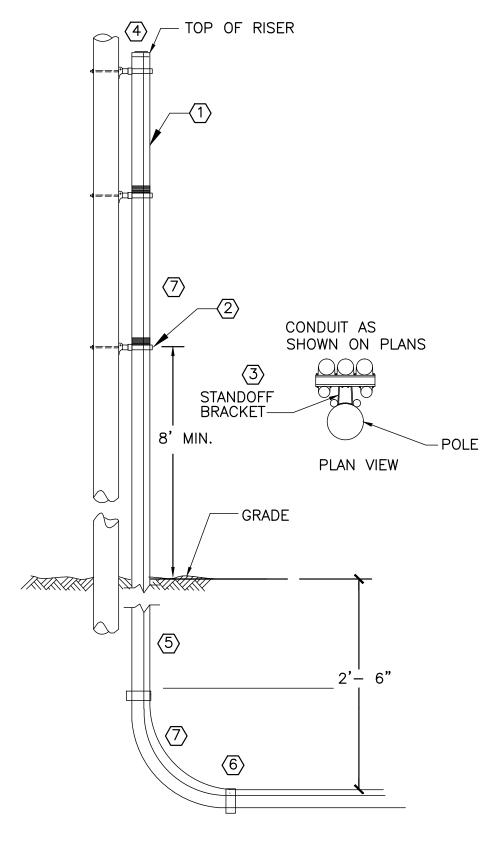
TYPICAL CONCRETE ENCASED UNDERGROUND DUCT BANK DETAIL

\*13**'**–0" \*12'-0" \_ PULLING EYES OPPOSITE ALL KNOCKOUTS <u>PLAN VIEW</u> \*SEE NOTE 2 - 33" DIA. OPENING CENTERED -TAPERED KNOCKOUTS LOCATED u as needed to match ductline  $\stackrel{ ound{red}}{\sim}$ 12" DIA., 4" DEEP SUMP-SIDE VIEW COVER DETAIL

ELECTRICAL & TEL/COMM MANHOLE DETAIL

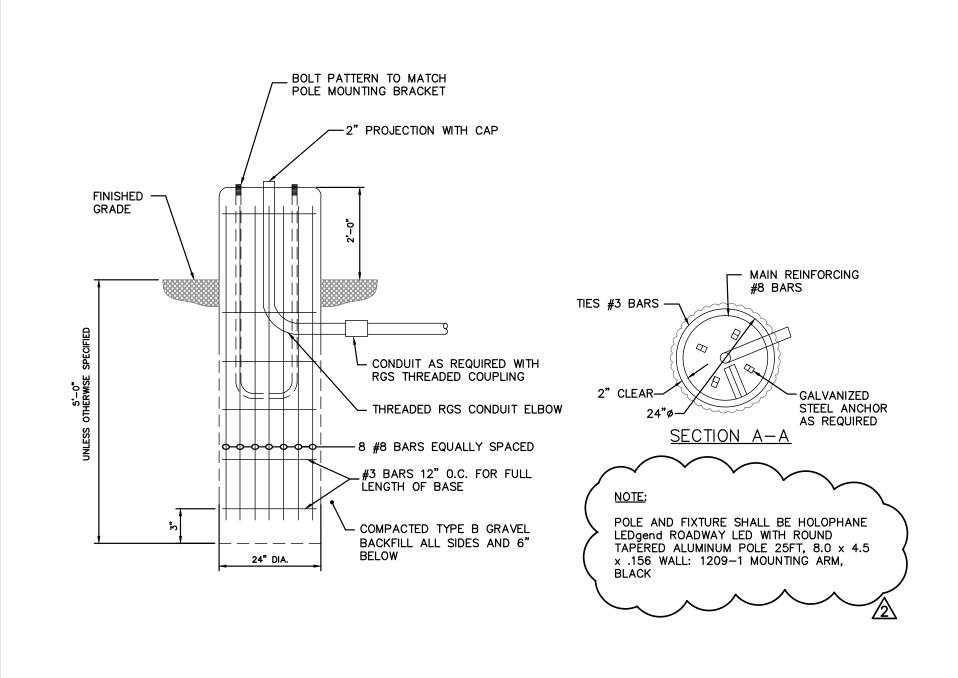
## NOTES (TYPICAL FOR ELEC MANHOLES):

- 1. PROVIDE 38Y STYLE ELECTRIC MANHOLE PER CENTRAL MAINE POWER (CMP) REQUIREMENTS. COORDINATE ALL WORK WITH CMP.
- 2. DETAIL DEPICTS ELECTRICAL POWER MANHOLE CONFIGURATION: COMMUNICATIONS MANHOLES SHALL BE 4'X6' AS REQUIRED BY THE COMMUNICATIONS COMPANY. ADJUST MANHOLE COVER LABEL ACCORDINGLY.
- 3. CONCRETE: 4,000 PSI @ 28 DAYS.
- 4. USE 32" COVER AND FRAME MARKED CMPCo. BRICK AS REQUIRED TO REACH FINISHED GRADE (MINIMUM ONE COURSE).
- 5. MANHOLE SHALL BE SET ON A MIN. 12" OF ₹ CRUSHED STONE.
- 6. VAULT SHALL BE DESIGNED TO WITHSTAND H20 WHEEL LOADING WITH 6 INCHES OF OVERBURDEN. THE DESIGN SHALL ALSO COMPLY WITH THE STRENGTH REQUIREMENTS OF NATIONAL ELECTRICAL SAFETY CODE SECTION 323A. PROVIDE SHOP DRAWINGS STAMPED BY A STATE OF MAINE REGISTERED PROFESSIONAL ENGINEER.
- 7. MANHOLE FRAMES AND COVERS ARE TO BE MACHINED TO A SMOOTH FIT AND SHALL BE OF GRAY CAST IRON.
- 8. COVER SHALL HAVE DIAMOND TOP SURFACE IN ACCORDANCE WITH CMP REQUIREMENTS.
- 9. JOINTS SHALL BE SEALED WITH ASPHALT.
- 10. CABLES SHALL BE RACKED ALONG ONE WALL ONLY.
- 11. CONDUITS ENTERING CONCRETE STRUCTURES SHALL BE SET BACK FROM THE INSIDE WALL 1 TO 2 INCHES AND THE SPACE WITHIN THE KNOCKOUT SURROUNDING THE CONDUITS COMPLETELY FILLED WITH MORTAR TO PREVENT SOIL OR GROUNDWATER FROM ENTERING STRUCTURE. INSIDE THE STRUCTURE THE MORTAR SHALL BE FINISHED AND BEVELED FROM THE CONDUIT ENDS TO THE INSIDE WALL FACE TO COVER AND SMOOTH THE EDGES OF THE KNOCKOUT.



## NOTES (TYPICAL FOR POLE RISERS):

- TOP CONDUIT SECTIONS LONGER THAN 24" MUST BE SUPPORTED.
- 2 LOWEST BRACKET SHALL BE MINIMUM OF 8 FEET ABOVE FINISHED GRADE.
- ONE BRACKET SHALL BE USED TO SUPPORT EACH 10-FOOT SECTION OF CONDUIT WITH THE PRACKET 10-FOOT SECTION OF CONDUIT WITH THE BRACKET
- SEAL TOP OF CONDUIT WITH POLYURETHANE SEALER. TOP OF CONDUIT SHALL HAVE A DOUBLE NON-THREADED PLASTIC COUPLING. TOP OF CONDUIT SHALL EXTEND 4" ABOVE PRIMARY
- (5) RIGID GALVANIZED STEEL (RGS) CONDUIT.
- (6) PVC TO STEEL RGS CONDUIT COUPLING.
- (7) LONG RADIUS SWEEP RGS CONDUIT ELBOW.



TYPICAL RISER POLE DETAIL SCALE: NTS

LIGHT POLE AND BASE DETAIL **REVIEW SET** NOT FOR CONSTRUCTION

DATE: AUGUST 12, 2012 SCALE: AS NOTED HEET: 22 OF 22

E-03

JOB NO.: 203848.63