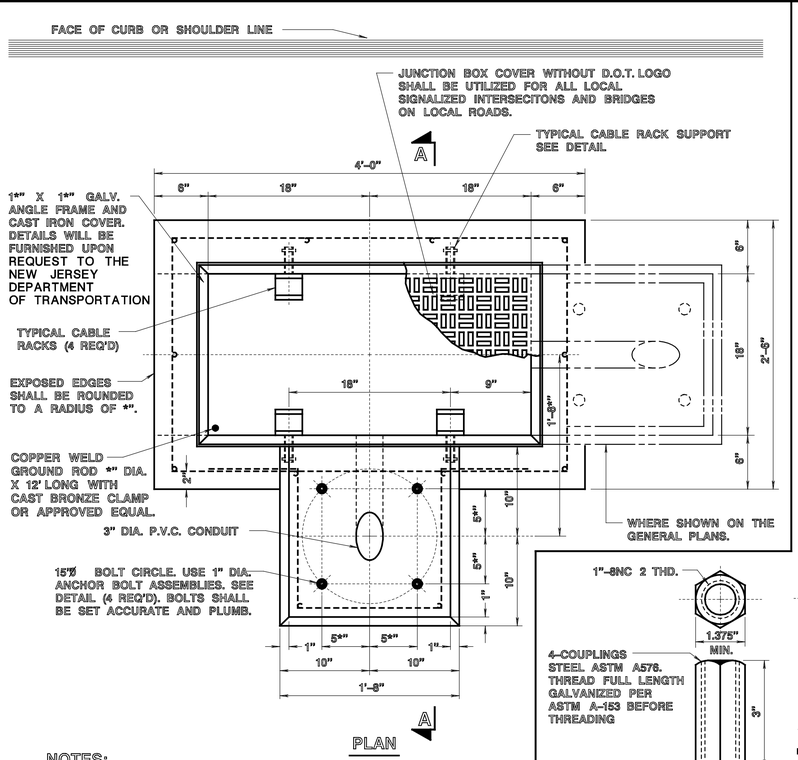
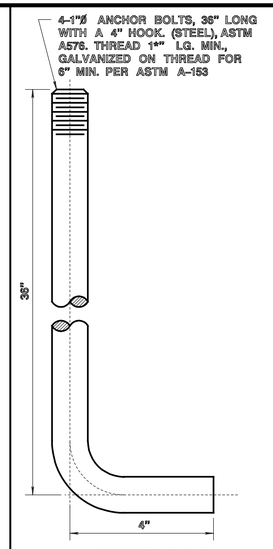
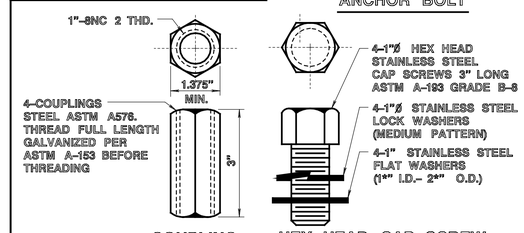



PLAN




ANCHOR BOLT



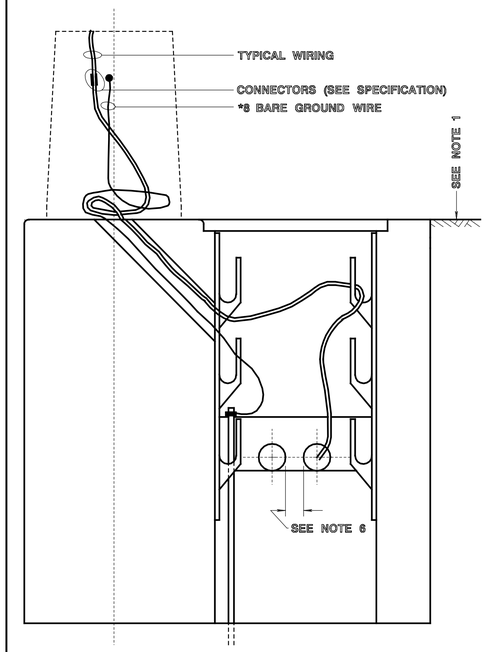

COUPLING HEX HEAD CAP SCREW

NOTES

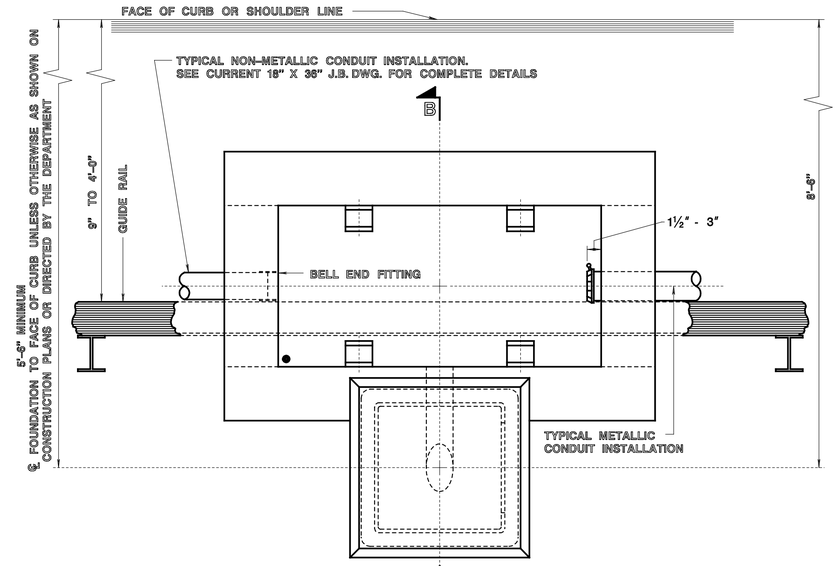
1.) ANCHOR BOLTS TO BE SET 1*" $\frac{*}{-}$" INTO COUPLINGS SO THAT CAP SCREWS WHEN TIGHTENED, SECURING POLE BASE TO FOUNDATION, WILL NOT BUTT AGAINST TOP OF ANCHOR BOLTS.

2.) ALL THREADS SHALL BE 8 THREADS PER INCH, NC, FREE FIT CLASS-2.

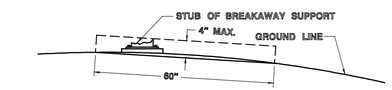
DETAIL OF ANCHOR BOLTS




SECTION B-B




PLAN




BREAKAWAY SUPPORT HEIGHT MEASUREMENT

DETAIL "A"

NOTES:

1.) JUNCTION BOX FOUNDATION SHALL BE SET PARALLEL TO THE CURB AND TOP OF JUNCTION BOX SHALL BE SET AT GRADE IN SIDEWALK OR PAVED AREA. DEPARTMENT MAY REQUIRE TOP OF JUNCTION BOX TO BE INCLINED IN ORDER TO CONFORM WITH FIELD CONDITIONS. JUNCTION BOX SHALL BE SET AT FINISH GRADE.

2.) JUNCTION BOX FOUNDATION CONSTRUCTED IN DIRT OR GRASS AREAS SHALL MEET THE CRITERIA AS PER DETAIL "A".

3.) CABLE RACKS FURNISHED AND INSTALLED AS INDICATED.

4.) BONDING AND GROUNDING INSULATED BUSHINGS SHALL BE INSTALLED ON CONDUITS TERMINATING IN JUNCTION BOXES AND/OR FOUNDATIONS AND SHALL HAVE A FITTING TO PREVENT ENTRY OF FOREIGN MATTER PRIOR TO INSTALL-ATION OF WIRING.

5.) A NYLON CORD, 125 POUND MINIMUM TEST STRENGTH, SHALL BE FURNISHED AND INSTALLED IN ALL CONDUITS. SEE SPECIFICATIONS.

6.) CONDUITS SHALL ENTER JUNCTION BOX PERPENDICULAR TO WALLS OR AS APPROVED BY THE DEPARTMENT. A 2" SEPARATION SHALL BE MAINTAINED BETWEEN ADJACENT WALLS, CONDUITS, AND CABLE RACK LOCATIONS.

7.) ALL NON-METALLIC CONDUITS SHALL TERMINATE WITH BELL END CONSTRUCTION IN JUNCTION BOX.

8.) ALL UNUSED CONDUITS SHALL BE PLUGGED OR CAPPED.

9.) TERMINAL ENDS OF ALL METALLIC CONDUIT SHALL BE THREADED.

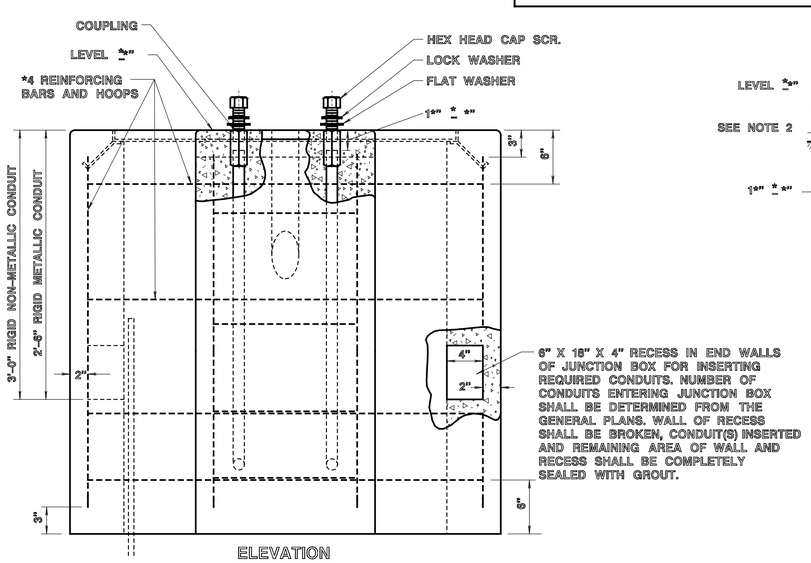
10.) IF JUNCTION BOX FOUNDATION IS INSTALLED ON PROJECT WITHOUT LIGHTING STANDARDS, 1" MINIMUM LONG BOLTS SHALL BE INSTALLED WITH GREASE.

11.) IF CURB IS NOT CONSTRUCTED AND COLORED BITUMINOUS STONE SURFACE TREATMENT IS UTILIZED BEHIND SHOULDER AREA, ENTIRE JUNCTION BOX FOUNDATION SHALL BE ROTATED 180 DEGREES FROM ABOVE SKETCH WITH FOUNDATION PORTION BEHIND GUIDE RAIL.

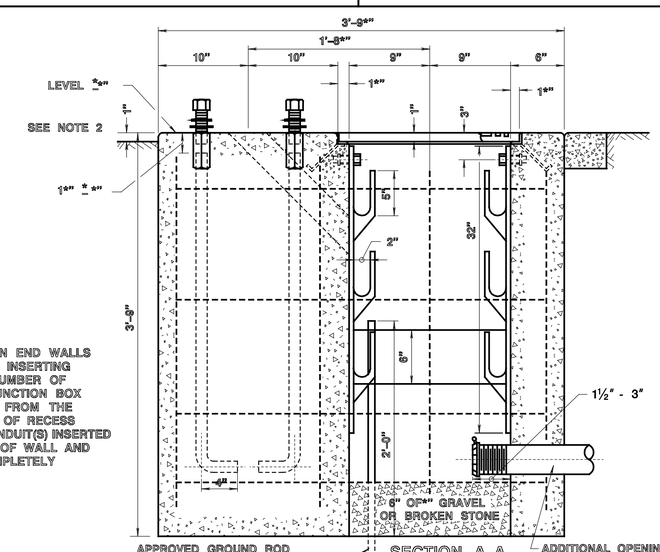
NOTES:

A. MATERIALS AND CONSTRUCTION SHALL CONFORM TO N.J.D.O.T. STANDARD SPECIFICATIONS UNLESS OTHERWISE AMENDED.

B. CONCRETE CLASS "B" USING APPROVED ⅝" AGGREGATE 1.08 CUBIC YARDS



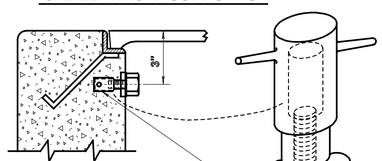

ELEVATION




SECTION A-A

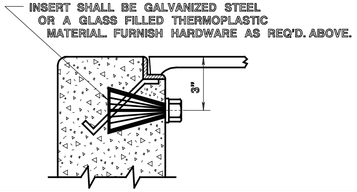
ADDITIONAL OPENINGS SHALL BE PROVIDED AT APPROVED ELEVATIONS FOR UNDER ROADWAY CONDUITS ENTERING JUNCTION BOX TYPICAL.

CABLE RACK SUPPORTS




THREADED INSERT TAPPED FOR *" Ø BOLT N.C. CLASS 2 FREE FIT THREAD. FURNISH WITH BOLT *" Ø N.C. CLASS 2 FREE FIT, THREAD 1*" LONG AND FLAT WASHER *" I.D. X 1*" O.D. BOLTS AND WASHERS SHALL BE GALVANIZED.

INSERT SHALL BE GALVANIZED STEEL OR A GLASS FILLED THERMOPLASTIC MATERIAL. FURNISH HARDWARE AS REQ'D. ABOVE.




NEW JERSEY DEPARTMENT OF TRANSPORTATION

ELECTRICAL DETAILS

N.T.S.

JUNCTION BOX FOUNDATION "JBF", CAST IN PLACE

L-0407

REFERENCE

BDC07D-03