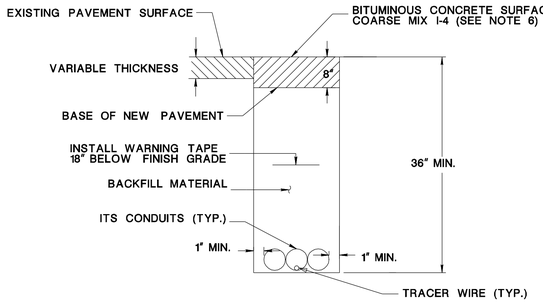
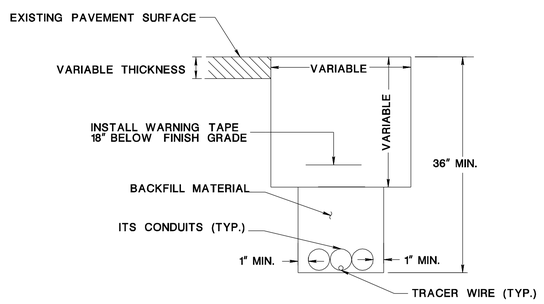
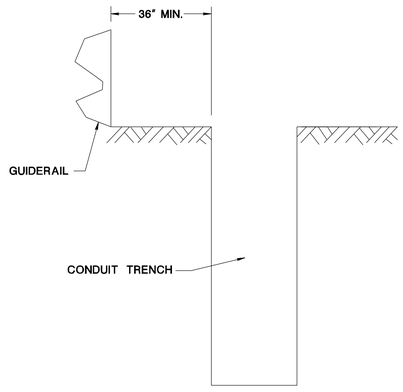


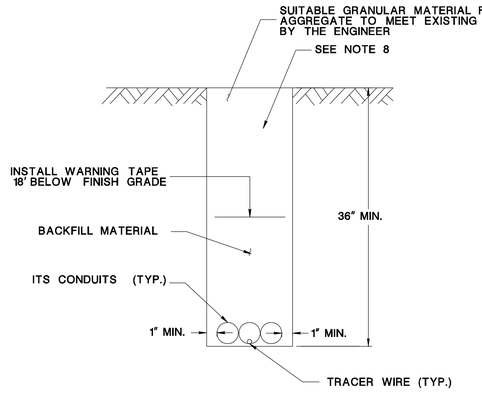
IN BITUMINOUS SHOULDER, TRAVELED WAY OR RAMP AREA



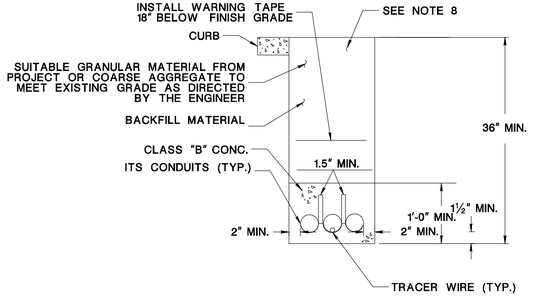
IN REHABILITATED/RECONSTRUCTED CONCRETE SHOULDER OR BITUMINOUS SHOULDER, TRAVELED WAY OR RAMP AREA



CONDUIT TRENCH OFFSET FROM EXISTING AND PROPOSED GUIDERAIL



IN GRASS AREA



BEHIND THE CURB

NOTES:

1. BEFORE BACKFILLING TRENCH, REMOVE ALL CUT DEBRIS FROM SITE.
2. PREPARE THE TRENCH BOTTOM FOR ITS CONDUITS TO ELIMINATE LUMPS, RIDGES, JAGGED EDGES AND HOLLOWS, UTILIZING CLASS C BEDDING MATERIALS.
3. CENTER THE ITS CONDUITS IN THE TRENCH AND HOLD FIRMLY IN PLACE WHILE THE TRENCH IS BACKFILLED.
4. ENSURE THE BACKFILL MATERIAL IS CLASS C BEDDING 2' ABOVE THE TOP OF CONDUIT OR TO THE BOTTOM OF THE PAVEMENT BOX.
5. COMPACT THE BACKFILL MATERIAL IN EQUAL LIFTS TO A MAXIMUM OF 6" EACH WITH A MODIFIED VIBRATORY PLATE COMPACTOR. (MINIMUM THREE PASSES PER LIFT)
6. MOUND UP THE BITUMINOUS CONCRETE SURFACE COARSE MIX I-4 ABOVE THE EXISTING PAVEMENT SURFACE. AFTER THOROUGH COMPACTION ENSURE FINISH GRADE IS ½" ABOVE THE ADJACENT PAVEMENT SURFACE. COMPACT IN ACCORDANCE WITH SECTION 1003 (10 TON VIBRATORY ROLLER).
7. FOR WARNING TAPE DETAILS SEE FIBER OPTIC WARNING TAPE, MARKER & TAG DETAIL.
8. AFTER MATERIAL IS BACKFILLED, SEED AND MULCH IN ACCORDANCE WITH DIVISION 800.
9. WHEN THERE IS A CONCRETE SHOULDER, SAW CUT AND REMOVE THE CONCRETE MATERIAL BACK TO THE CURB, UTILIZING A TRENCHING MACHINE TO MAKE THE TRENCH. ENSURE REPLACEMENT MATERIAL COMPLIES WITH NOTE 11.
10. WHEN THERE IS A CONCRETE SHOULDER WITH BITUMINOUS OVERLAY, REPLACE WITH 8" MINIMUM BITUMINOUS MATERIAL OR MATCH EXISTING SECTION. (SEE NOTE 6)
11. ENSURE QUICK SETTING CONCRETE IS TYPE 1A AND COMPLIES WITH SECTION 903.07. FOR CONCRETE REPLACEMENT ENSURE THE THICKNESS OF THE QUICK SETTING CONCRETE IS THE SAME AS THE EXISTING. REPLACE EXPANSION JOINTS AND DOWELS IN KIND AND INSTALL LONGITUDINAL JOINT TIES IN ACCORDANCE WITH THE STANDARD CONSTRUCTION DETAILS. CONTRACTOR IS TO SUPPLY THE ENGINEER WITH DETAILED DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.
12. INSTALL ONE #14 AWG CONDUCTOR TYPE THHW/THWN IN THE MIDDLE CONDUIT PER TRENCH.
13. UNLESS OTHERWISE SPECIFIED, EACH ITS CONDUIT IS 2" IN DIAMETER (I.D.) MEETING ALL CONDUIT REQUIREMENTS FOR FNMC (HDPE).
14. PRIOR TO TERMINATION, ENSURE THE ITS CONDUITS NORMALIZES A MINIMUM OF 24 HOURS. ENSURE CONDUIT SLACK AND TERMINATIONS INSIDE THE JUNCTION BOX ARE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION FOR DISTANCES BETWEEN JUNCTION BOXES AND THE PROPER TEMPERATURE VARIATION TO ENSURE THE PROPER SLACK AND TERMINATION.
15. ENSURE THAT ONE OF ITS CONDUITS IS RED IN COLOR AND IS INSTALLED ON EITHER THE LEFT OR RIGHT SIDE OF THE TRENCH. THE REMAINING TWO ITS CONDUITS ARE TO BE ORANGE IN COLOR.

NOT TO SCALE

ITS-704-05

NEW JERSEY DEPARTMENT OF TRANSPORTATION

ITS DETAILS

ITS CONDUIT TYPE A

ITS CONDUIT, TYPE A

NJDOT Design Services

BDC-11D-03 MISC. CHANGES
BDC-07D-03 ORIGINAL SHEET

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