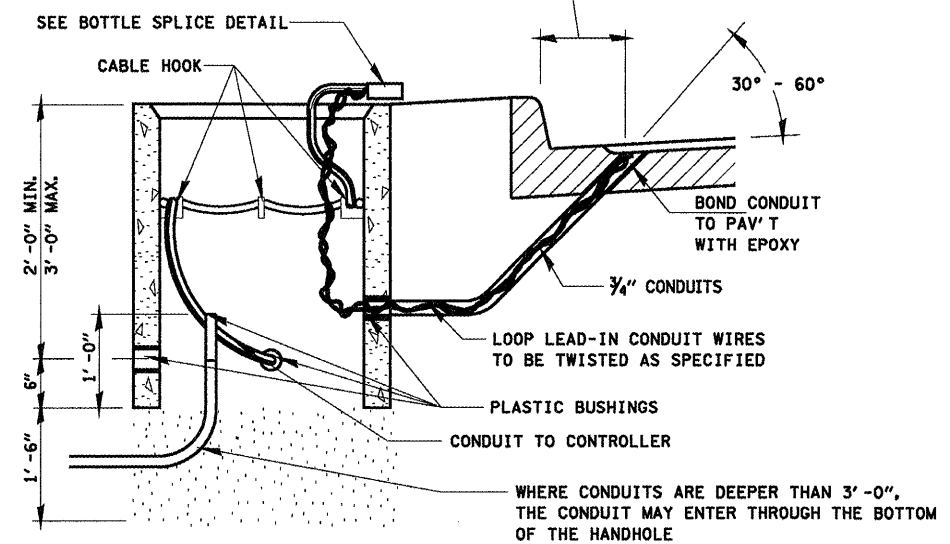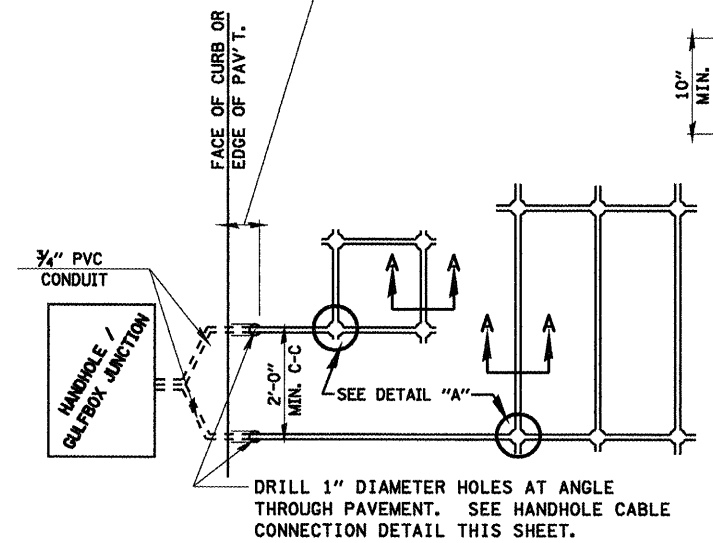LENGTH OF SLACK FOR LOOP LEAD-INS SHALL PROVIDE FOR MAKING THE SPLICE ON TOP OF THE HANDHOLE AND ONE COMPLETE LOOP OF THE INTERIOR OF THE HANDHOLE, THE SPLICE SHALL BE SUPPORTED BY A CABLE HOOK.
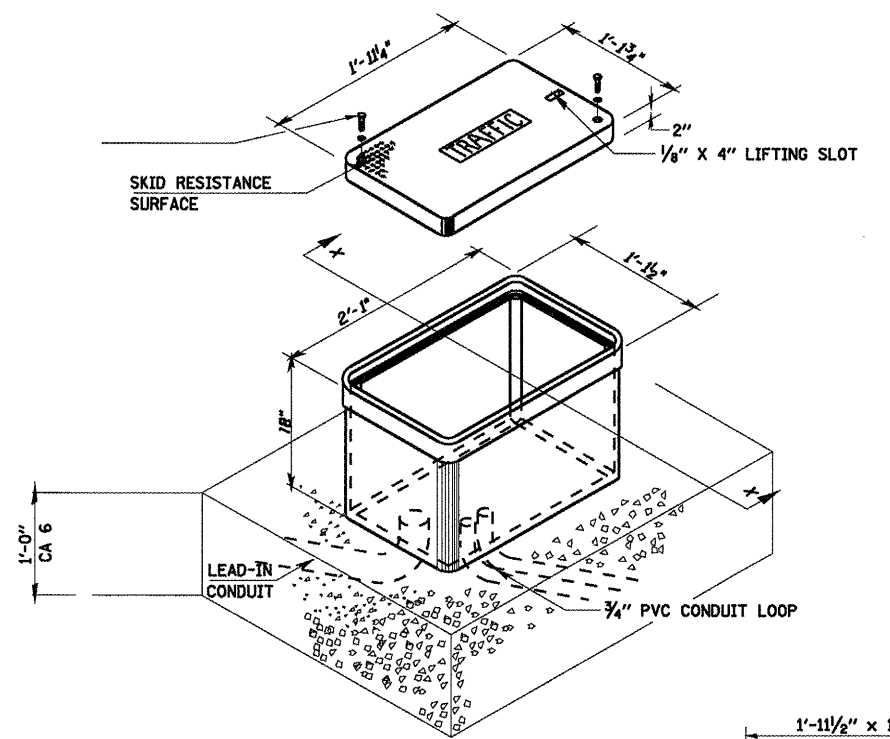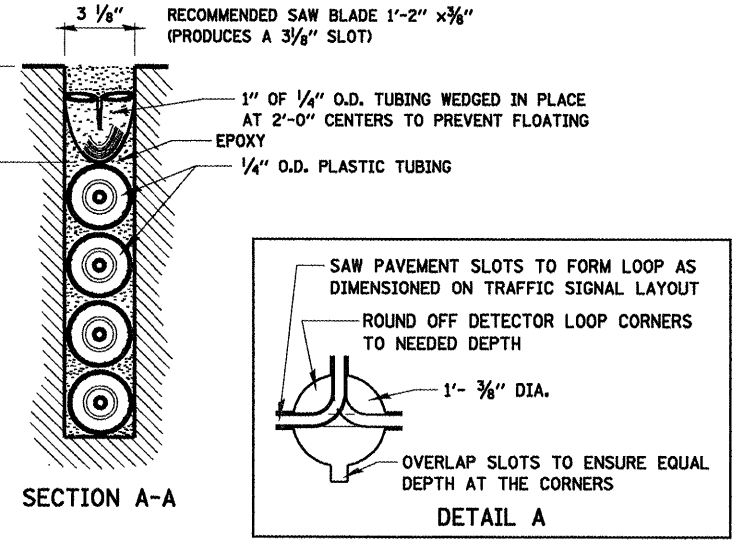
THE LOOP LEAD-IN CONDUIT HOLES SHALL BE PLACED AS CLOSE TO THE CURB AS POSSIBLE TO PERMIT SAW OVERLAP WITHOUT SCARRING FACE OF CURB.
IN NON-CURB LOCATIONS THE DISTANCE SHALL NOT BE LESS THAN 6".

SEE BOTTLE SPLICE DETAIL

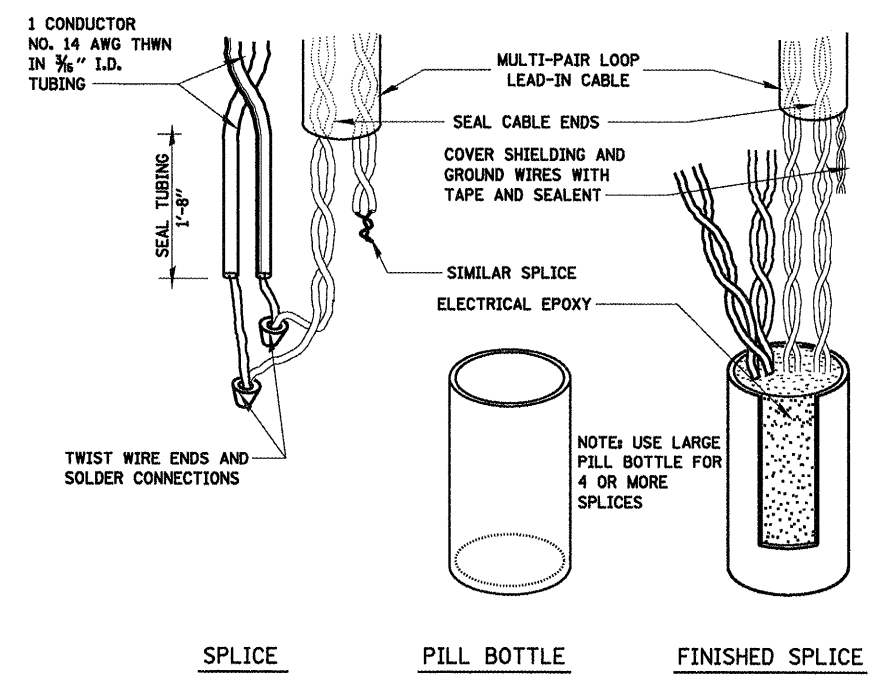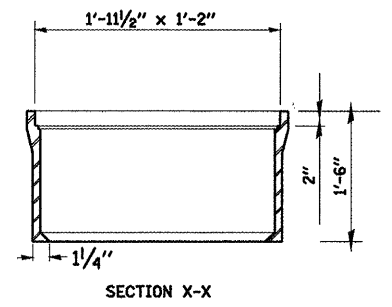CABLE HOOK

30° - 60°

BOND CONDUIT TO PAV'T WITH EPOXY

¾" CONDUITS

2'-0" MIN., 3'-0" MAX.
6"
1'-0"
1'-6"

LOOP LEAD-IN CONDUIT WIRES TO BE TWISTED AS SPECIFIED

PLASTIC BUSHINGS

CONDUIT TO CONTROLLER

WHERE CONDUITS ARE DEEPER THAN 3'-0", THE CONDUIT MAY ENTER THROUGH THE BOTTOM OF THE HANDHOLE.

HANDHOLE CABLE CONNECTIONS

FACE OF CURB OR EDGE OF PAV'T.

3 ⅛"

RECOMMENDED SAW BLADE 1'-2" x⅜" (PRODUCES A 3⅛" SLOT)

10" MIN.

1" OF ¼" O.D. TUBING WEDGED IN PLACE AT 2'-0" CENTERS TO PREVENT FLOATING
EPOXY
¼" O.D. PLASTIC TUBING

¾" PVC CONDUIT

HANDHOLE / GULFBOX JUNCTION

2'-0" MIN. C-C

SEE DETAIL "A"

DRILL 1" DIAMETER HOLES AT ANGLE THROUGH PAVEMENT. SEE HANDHOLE CABLE CONNECTION DETAIL THIS SHEET.

SECTION A-A

SAW PAVEMENT SLOTS TO FORM LOOP AS DIMENSIONED ON TRAFFIC SIGNAL LAYOUT
ROUND OFF DETECTOR LOOP CORNERS TO NEEDED DEPTH
1'- ⅜" DIA.
OVERLAP SLOTS TO ENSURE EQUAL DEPTH AT THE CORNERS

DETAIL A

PAVEMENT SAWING DETAIL FOR TUBE ENCASED DETECTOR LOOP WIRE

1'-11¼"
1'-1¾"
2"
⅛" X 4" LIFTING SLOT

SKID RESISTANCE SURFACE

1'-1¾"

2'-1¾"

18"

1'-0"
CA 6

LEAD-IN CONDUIT

¾" PVC CONDUIT LOOP

MINIMUM DIMENSIONS

GULFBOX JUNCTION

1'-11½" x 1'-2"

2"
1'-6"

1¼"

SECTION X-X

1 CONDUCTOR NO. 14 AWG THWN IN 3⁄16" I.D. TUBING

MULTI-PAIR LOOP LEAD-IN CABLE

SEAL CABLE ENDS

COVER SHIELDING AND GROUND WIRES WITH TAPE AND SEALENT

SEAL TUBING
1'-8"

SIMILAR SPLICE

ELECTRICAL EPOXY

TWIST WIRE ENDS AND SOLDER CONNECTIONS

NOTE: USE LARGE PILL BOTTLE FOR 4 OR MORE SPLICES

SPLICE   PILL BOTTLE   FINISHED SPLICE

BOTTLE SPLICE DETAIL