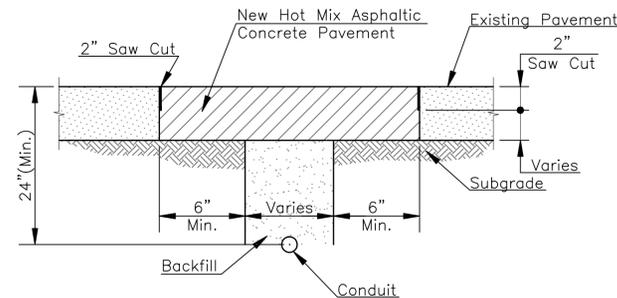


UNPAVED AREAS



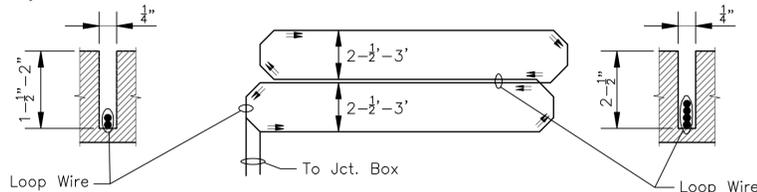
PAVED AREAS

Backfill in paved areas shall be 1/2" clean aggregate. Backfill in unpaved areas shall be free of rubble and rock. Conduit shall be pitched to drain.

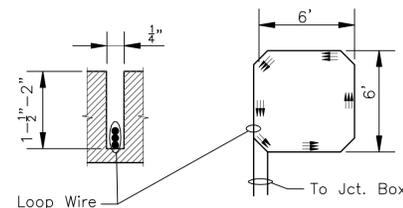
TRENCH DETAILS

When crossing an expansion joint in concrete with loop wire, leave slack in wire to allow for expansion and contraction.

Loop wires to be one continuous wire, each partial loop is to be two turns. All loops are to be wound in the same direction, with start and end clearly marked at junction or service box.



Loops are to be one continuous wire placed in three turns. All loops are to be wound in the same direction, with start and end clearly marked at junction or service box.

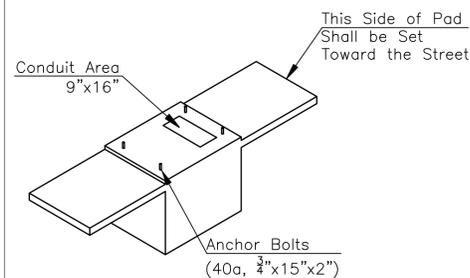


Slots in pavement for loops are to be cut 1/4" wide and 1 1/2"-2" deep, 2 1/2" deep for quadrupole center cuts. Slots are to be filled with an approved asphalt sealer or an approved elastic epoxy sealant to within 1/8" of pavement surface.

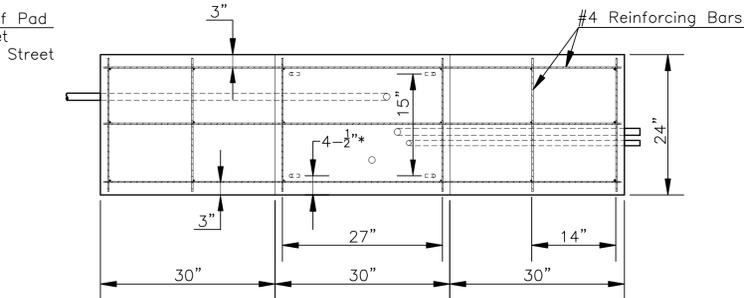
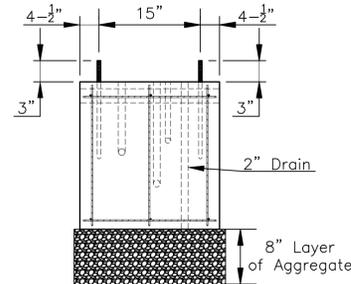
Detector cable and loops shall be joined by using a soldered or approved metered crimp type connector. Detector cable and loops shall be of continuous run with no splices. All connections shall be sealed with 3M 3570 connector sealing packs or approved equal.

All leads for individual loops are to be kept separate.

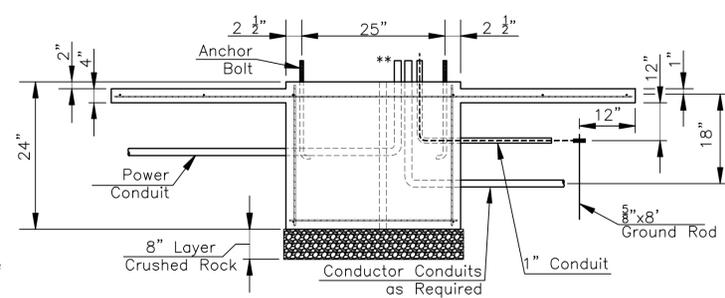
LOOP DETECTOR DETAILS



All conduit laying beneath streets, highways, alleys, driveways, and parking lots shall be a minimum of 24" below surface.



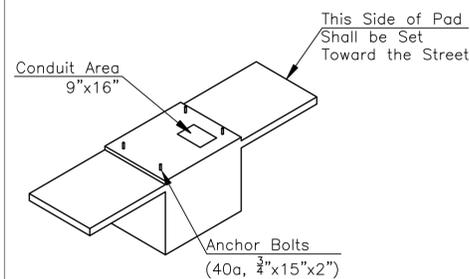
* = Top of pad to be sloped to drain.
** = Duct seal to be applied to cond. entrances.



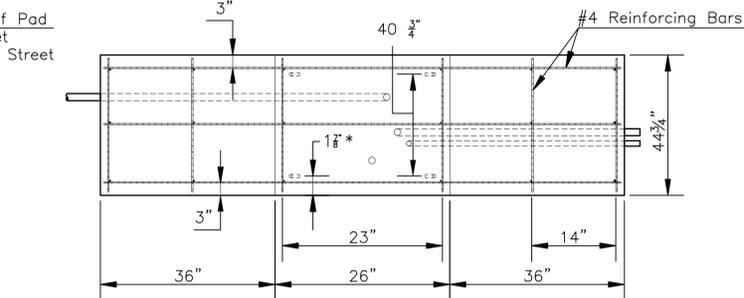
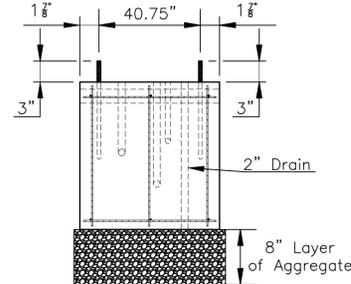
All conduits and anchor bolts for Control Pads or Control Center Pads shall be rigidly installed before concrete is placed. Anchor bolts shall be spaced by means of a template, the center of which shall coincide with the center of the base.

NOTE: At the location where power connection is made, two (2) ground rods, a minimum of six (6) feet apart will be required. Ground rods to be 5/8" x 8'.

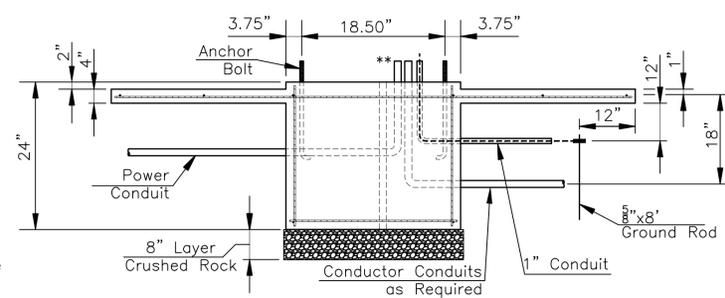
332 CONTROLLER PAD DETAIL



All conduit laying beneath streets, highways, alleys, driveways, and parking lots shall be a minimum of 24" below surface.



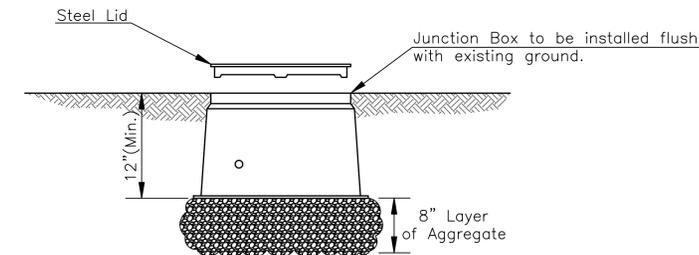
* = Top of pad to be sloped to drain.
** = Duct seal to be applied to cond. entrances.



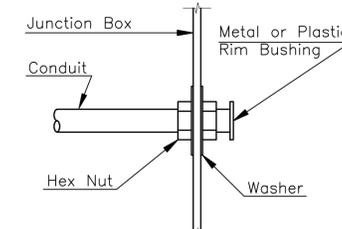
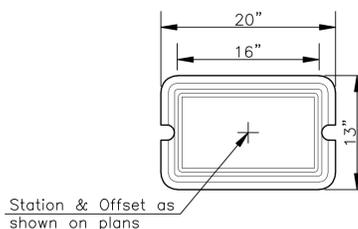
All conduits and anchor bolts for Control Pads or Control Center Pads shall be rigidly installed before concrete is placed. Anchor bolts shall be spaced by means of a template, the center of which shall coincide with the center of the base.

NOTE: At the location where power connection is made, two (2) ground rods, a minimum of six (6) feet apart will be required. Ground rods to be 5/8" x 8'.

333SD-ITS CONTROLLER PAD DETAIL

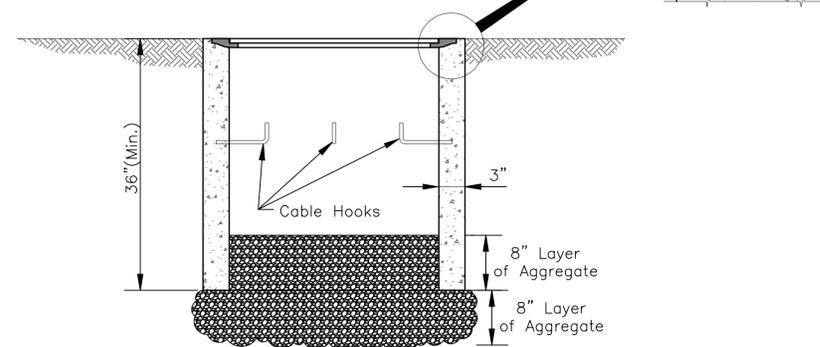
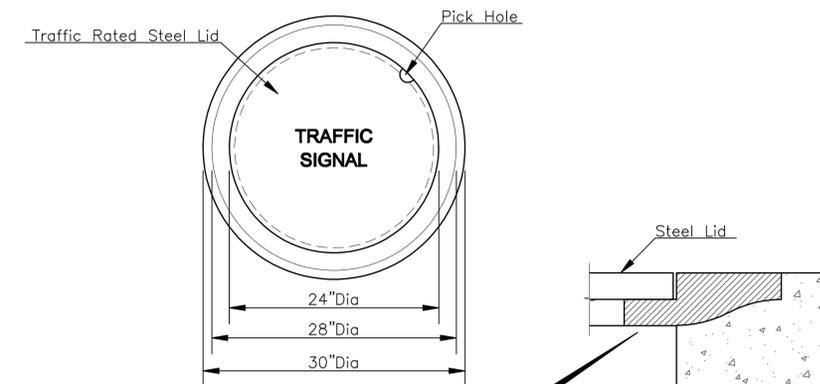


NOTE: Concrete Junction Box to be used. Other designs of similar size and shape are acceptable alternates subject to approval by the Engineer.



JUNCTION BOX DETAIL AT CONDUIT OPENING

JUNCTION BOX DETAILS



PRE-CAST CONCRETE SERVICE BOX DETAIL

NO.	DATE	REVISION	BY	APP'D
4	12-14-10	REMOVED 2" FROM POWER CONDUIT	KAP	LGV
3	08-18-09	CORRECTED CONDUIT DEPTH & LOOP SIZE	CDR	LGV
2	01-14-08	ADD 333SD-ITS CONTROLLER DETAIL	KAP	LGV
1	01-15-04	UPDATE STANDARDS	KAP	-

DRAWN BY: K.PELTON
APP'D BY: Linda et al



STANDARD DETAILS

CONTROLLER PAD, JUNCTION BOX, SERVICE BOX, AND LOOP INSTALLATION DETAILS

DATE: _____
PAGE: _____ OF _____
DRAWING: DT-102
PROJ. _____