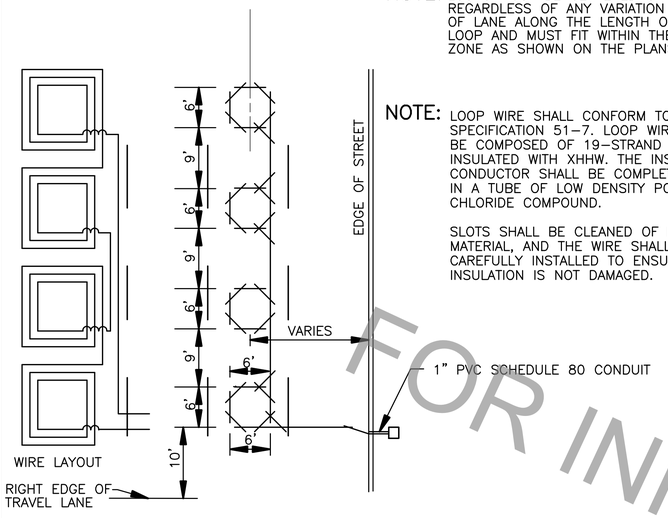
PROJECT NO.	SHEET

NOTE: LOOPS MUST BE CENTERED ON LANE WIDTH REGARDLESS OF ANY VARIATION IN THE WIDTH OF LANE ALONG THE LENGTH OF LOOP AND MUST FIT WITHIN THE DETECTION ZONE AS SHOWN ON THE PLANS.

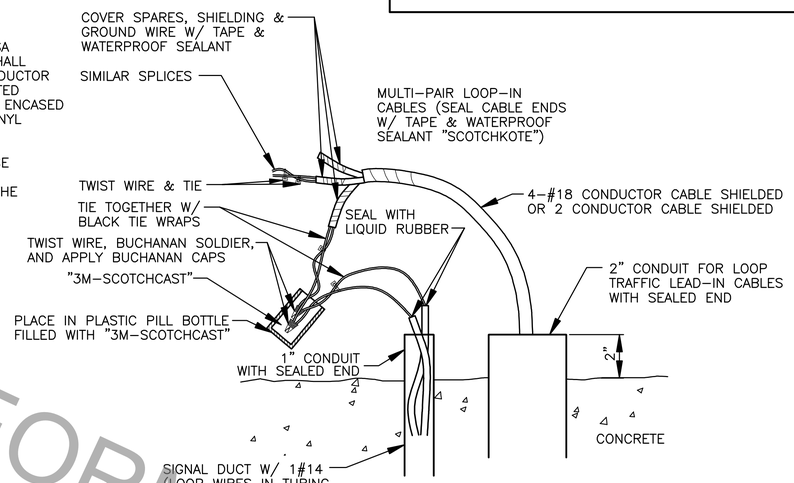
NOTE: LOOP WIRE SHALL CONFORM TO IMSA SPECIFICATION 51-7. LOOP WIRE SHALL BE COMPOSED OF 19-STRAND CONDUCTOR INSULATED WITH XHHW. THE INSULATED CONDUCTOR SHALL BE COMPLETELY ENCASED IN A TUBE OF LOW DENSITY POLYVINYL CHLORIDE COMPOUND.

SLOTS SHALL BE CLEANED OF LOOSE MATERIAL, AND THE WIRE SHALL BE CAREFULLY INSTALLED TO ENSURE THE INSULATION IS NOT DAMAGED.



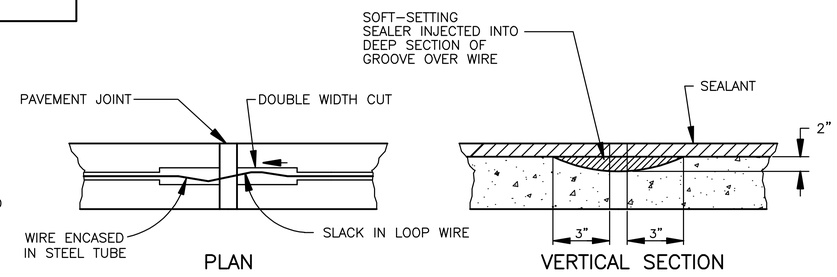
TYPICAL SAW-CUT LAYOUT

NOTE: LOOP DETECTORS SHALL BE INSTALLED PRIOR TO FINAL SURFACE LIFT FOR OVERLAYS AND NEW CONSTRUCTION.

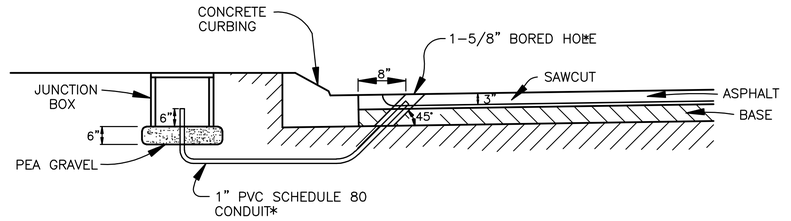


TYPICAL LOOP LEAD IN SPLICE

NO DIRECT PAY

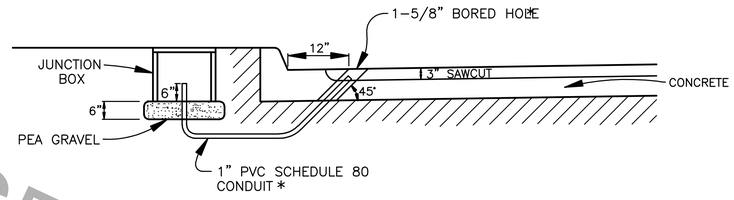


CONCRETE PAVEMENT EXPANSION JOINTS



ASPHALT ROADWAY

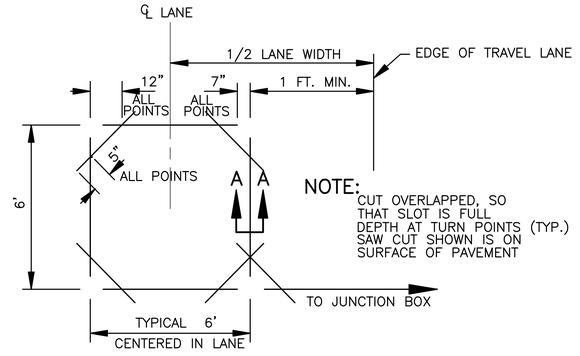
N.T.S.



CONCRETE ROADWAY

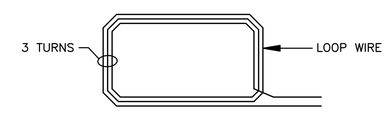
N.T.S.

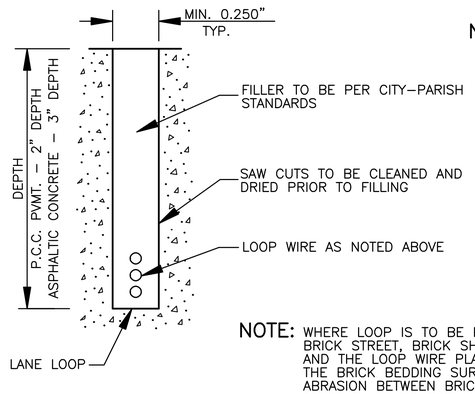
* ONE BORED HOLE / CONDUIT RUN PER LANE W/DETECTORS. ADDITIONALLY WHERE THE SAME DETECTOR PATTERN IN ONE LANE SPANS BOTH ASPHALT & CONCRETE SURFACES, A SEPARATE BORED HOLE / CONDUIT RUN WILL BE MADE IN EACH SURFACE TYPE. SEE DETAIL BELOW.



NOTE: SAW CUTS DO NOT MEET AT CORNER OF RECTANGLE. DIMENSIONS SHOWN ARE REQUIRED FOR USING 12" SAW BLADE. LARGE BLADES REQUIRE LONGER DISTANCES THAN SHOWN AT CORNERS. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CORRECT DEPTH REGARDLESS OF BLADE SIZE, UNLESS OTHERWISE NOTED IN PLANS.

LOOP SAW-CUT CONFIGURATION

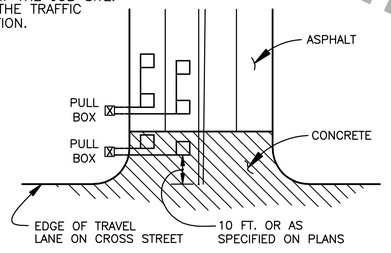




SECTION A-A

NOTE: WHERE LOOP IS TO BE PLACED IN BRICK STREET, BRICK SHALL BE TAKEN UP AND THE LOOP WIRE PLACED 1" BELOW THE BRICK BEDDING SURFACE TO PREVENT ABRASION BETWEEN BRICK AND WIRE. BRICK SHALL BE REPLACED TO ORIGINAL GRADE UPON COMPLETION OF LOOP WIRE PLACEMENT.

NOTE: CONTRACTOR SHALL PROVIDE 1" CONDUIT FROM JUNCTION BOX AND TERMINATE BELOW GROUND SO THAT IT DIRECTLY RECEIVES LOOP LEAD-IN WIRE. THE CONTRACTOR SHALL ALSO PROVIDE A PULL BOX IF NONE EXISTS. LOOP INSTALLATION IN PAVEMENT WITH OVERLAYS LESS THAN 3" OVER CONCRETE REQUIRES THAT A DEEPER DEPTH SHALL BE CUT. THE DEPTH REQUIRED SHALL PRODUCE A 1" SAW CUT INTO THE CONCRETE AND SHALL BE DETERMINED AT THE JOB SITE. THE SAW CUT SHALL BE APPROVED BY THE TRAFFIC ENGINEER PRIOR TO THE WIRE INSTALLATION.



TYPICAL LOOP LEAD-IN INSTALLATIONS

N.T.S.

STATE OF LOUISIANA
INGOLF A. PARTENHEIMER
REG. No. 28190
REGISTERED PROFESSIONAL ENGINEER IN ELECTRICAL ENGINEERING

FEBRUARY 27, 2008

DATE	DESCRIPTION REVISIONS	BY

STANDARD PLAN NO.	DATED	SHEET NO.
906-05	FEBRUARY 26, 2008	1 OF 2

LOOP DETECTOR DETAILS

ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
CITY OF BATON ROUGE & PARISH OF EAST BATON ROUGE

DESIGNED	DRAWN	CHECKED	APPROVED
T.E.D.	G. VANNICE	D. ROSENQUIST	I. PARTENHEIMER

906-05

ENGINEERING ACADIA 14 STD.DAY FORM D.V.

FOR INFORMATION PURPOSES ONLY