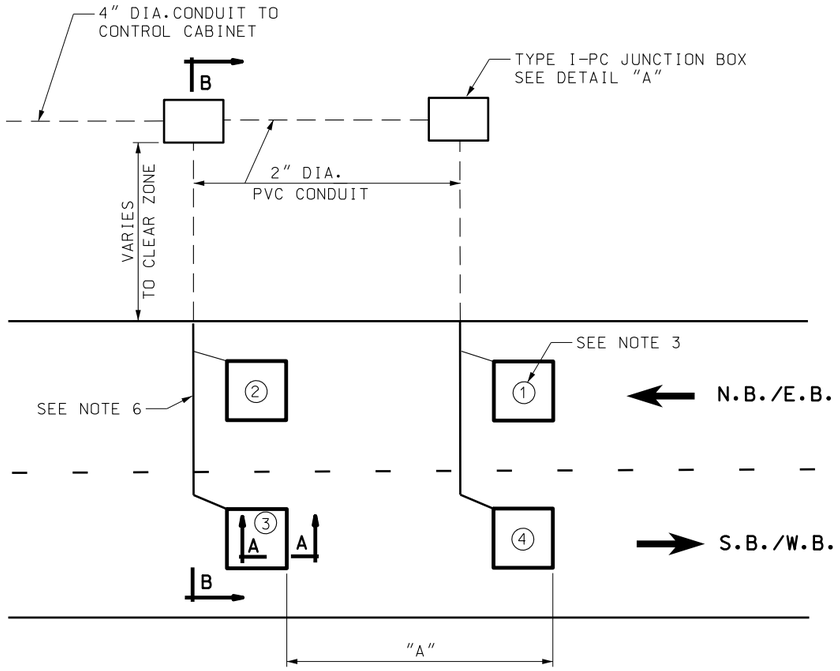
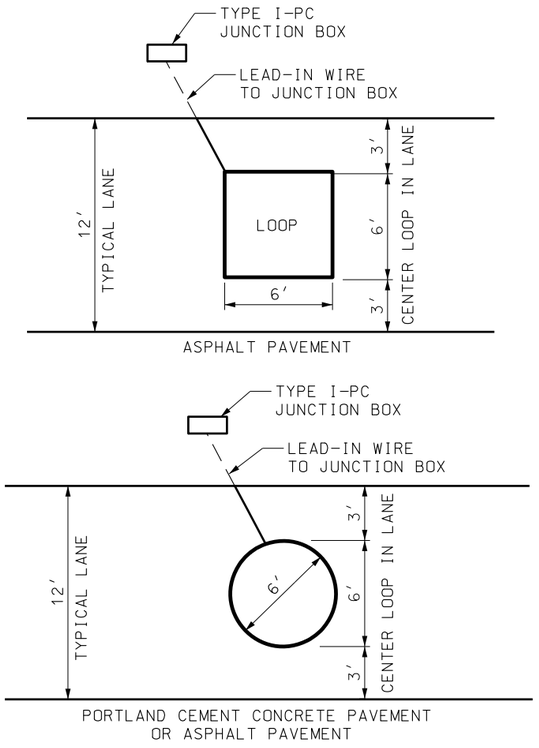


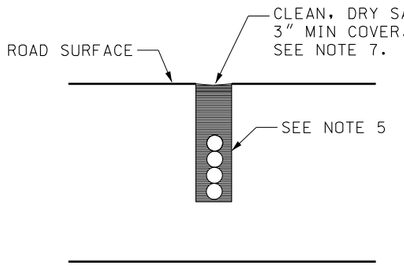
PLAN VIEW



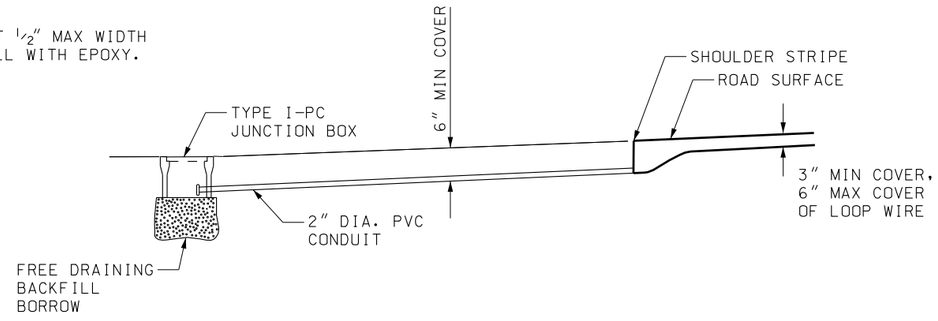
TYPICAL LOOP DETAIL

NOTES:

1. USE SCHEDULE 40 PVC CONDUIT.
2. SEE PLAN SHEETS FOR DETECTOR LOOP LOCATIONS, STATION AND OFFSET GIVEN FOR CENTER LOOP-ADJUST LOOP PLACEMENT TO AVOID CRACKED SLABS OR CUTTING THROUGH JOINTS.
3. TAG EACH LOOP WIRE IN EACH JUNCTION BOX. NUMBER EACH LOOP CONSECUTIVELY. BEGIN WITH FIRST LOOP IN NORTH BOUND (EAST BOUND) LANE CLOSEST TO SHOULDER - IN DIRECTION OF TRAFFIC, THEN SECOND LOOP IN SAME LANE, THEN ADJACENT LANE, ENDING WITH SECOND LOOP IN OPPOSITE DIRECTION LANE CLOSEST TO SHOULDER.
4. USE SEPARATE WIRE FOR EACH LOOP. EACH LOOP WIRE TO BE CONTINUOUS, WITH NO SPLICES, EXCEPT WITH THE LEAD-IN WIRE AT THE JUNCTION BOX.
5. ALL LOOPS TO HAVE FOUR TURNS OF WIRE IN THE SAME DIRECTION, COUNTER CLOCKWISE. DO NOT TWIST WIRES IN LOOP.
6. TWIST WIRES BETWEEN LOOP AND JUNCTION BOX. ONE TWIST PER FOOT IN SAW CUT, THREE TWISTS PER FOOT IN CONDUIT.
7. INSTALL ALL CONDUCTORS IN SAW CUT. PLACE CABLE OR WIRE AT BOTTOM OF DRY SLOT. USE EPOXY SEAL WHICH DOES NOT CONTAIN ACETONE SOLVENT TO CLOSE SAW CUT.



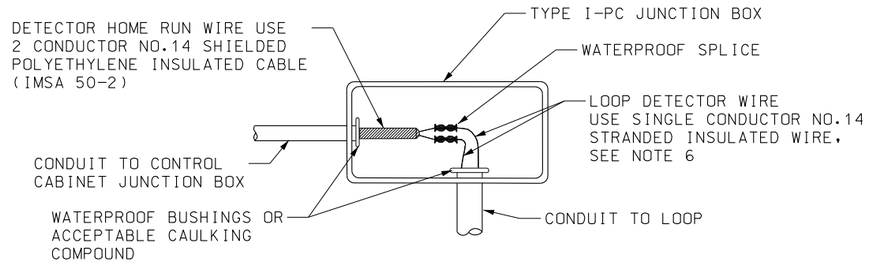
SECTION A-A



SECTION B-B

TABLE 1. LOOP SPACING

LOOP TYPE	"A"
TRAFFIC COUNTING LOOP FOR PERMANENT COUNT STATIONS	16'± 1"
TRAFFIC MONITORING STATION FOR ATMS	21'± 1"



LEAD-IN/HOME RUN SPLICE
DETAIL "A"

REVISIONS

NO.	DATE	APPR.	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL — JAN.01.2008 DATE
CHAIRMAN STANDARDS COMMITTEE APPROVED — JAN.01.2008 DATE
DEPUTY DIRECTOR

TRAFFIC COUNTING
LOOP DETECTOR
DETAILS

STANDARD DRAWING TITLE

STD DWG
SL 12

DGN File:L:\Standard Drawings\Imperial\2008Approved\Signals\SL\SL12.dgn
18-DEC-2007