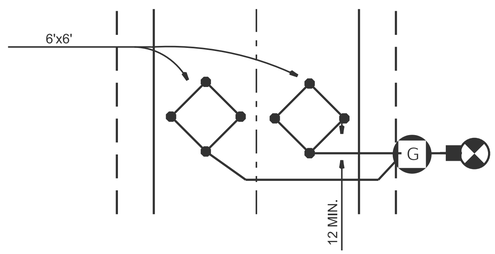
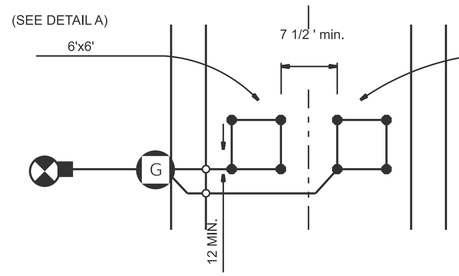
TYPICAL APPLICATIONS FOR TRAFFIC COUNTER USING TERMINAL FACILITY

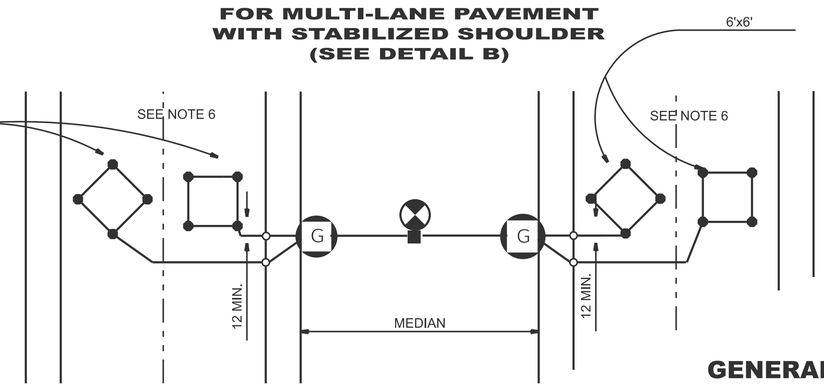
FOR PAVEMENT WITH AGGREGATE SHOULDER 2-WAY TRAFFIC



FOR PAVEMENT WITH STABILIZED SHOULDER 2-WAY TRAFFIC



FOR MULTI-LANE PAVEMENT WITH STABILIZED SHOULDER (SEE DETAIL B)



SCHEDULE OF QUANTITIES			
ITEM	QUANTITY	UNIT	CODE NO.
DETECTOR LOOP, SPECIAL	25	FOOT	M8470400
CONDUIT IN TRENCH, 1 1/4 DIA., PVC	9	FOOT	M8100240
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.18 3 PAIR	9	FOOT	M8241510
TRENCH AND BACKFILL FOR ELECTRICAL WORK	8	FOOT	M8680100
TRENCH AND BACKFILL FOR ELECTRICAL WORK (SPECIAL)	-	FOOT	M8680105
GULFBOX JUNCTION	1	EACH	81500100
TERMINAL FACILITY	1	EACH	86301000
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.18 6 PAIR	-	FOOT	M8241520

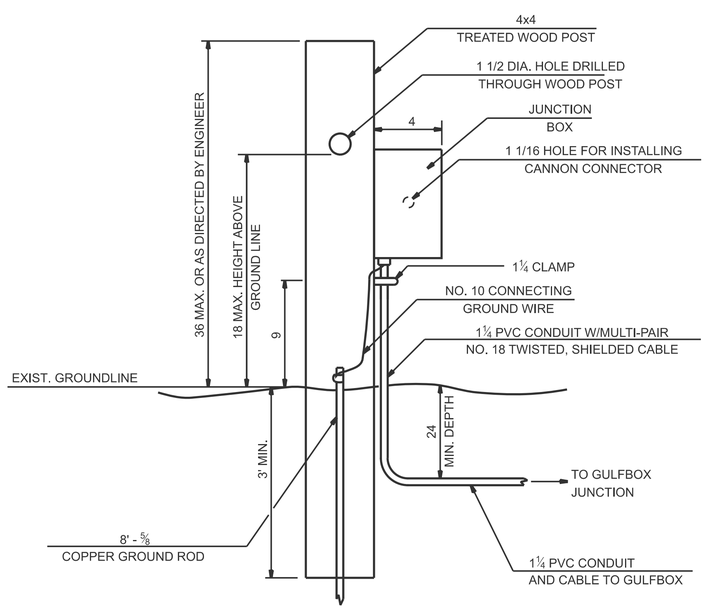
LEGEND

- 4 x 4 Treated Wood Post
- Terminal Facility
- Gulfbox Junction
- Indicates 4 Hole Drilled at Pavement Joint
- Indicates 1 1/4 Hole Drilled at Detector Loop Corner

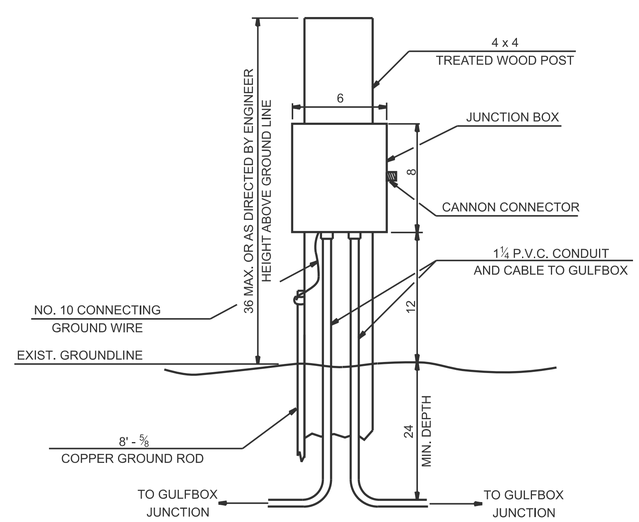
GENERAL NOTES

1. Each detector loop used shall be wired independently at the gulfbox.
2. A single multiple pair cable shall be wired from the gulfbox to the terminal facility. The number of pairs in the cable shall be equal to the number of detector loops plus a minimum of one pair to be used as a spare.
3. Diamond shaped loops shall be centered in the pavement lanes.
4. Square shaped loops shall have a minimum separartion of 7.5' between inside edges of the detector loops.
5. Each 6'x6' detector loop shall have a minimum of 4 turns of cable or as directed by the engineer.
6. Detector loops may be located as squares or diamonds in the pavement as directed by the engineer. All loops shall be oriented in the same direction.
7. Gulf junctions shall be located outside the aggregate or stabilized shoulder limits with the top of gulfbox junctions level with groundline as directed by the engineer.

DETAIL A
TERMINAL FACILITY DETAIL



DETAIL B
TERMINAL FACILITY DETAIL



NOTES FOR TERMINAL FACILITY

1. Ground rod shall be connected to the junction box with No. 10 AWG copper wire as shown in the junction box detail.
2. The location of the terminal facility shall be determined by the Engineer in the eld.

All dimensions are in inches (millimeters) unless otherwise shown.

NOTE: DO NOT SCALE

DETAIL FOR TRAFFIC COUNTERS USING TERMINAL FACILITY

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