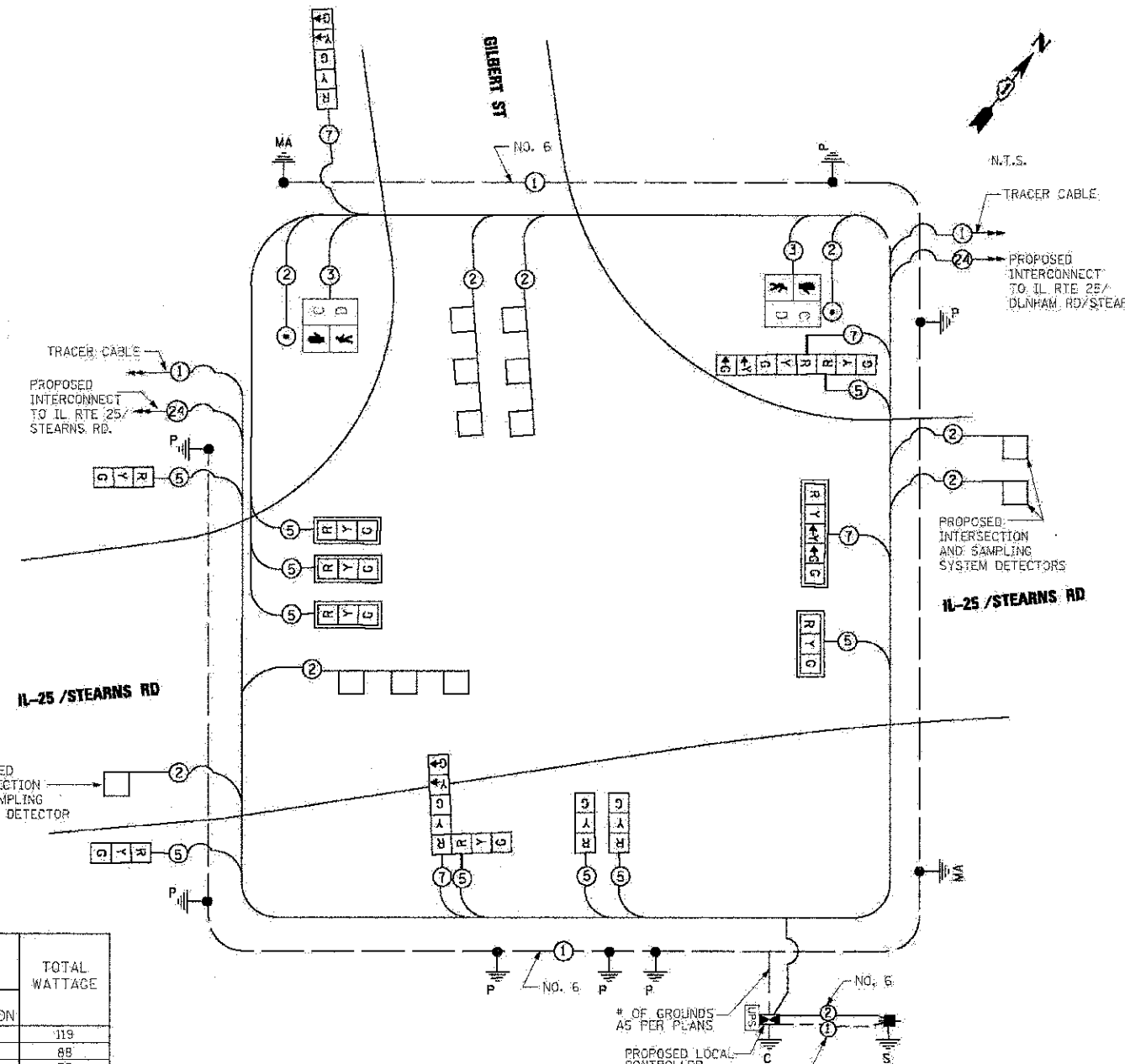


CABLE SIGNAL LEGEND

EXISTING	PROPOSED	DESCRIPTION
		12" (300mm) TRAFFIC SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
		VEHICLE DETECTOR, INDUCTION LOOP
		DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
		GROUND ROD AT CONTROLLER (C).
		GROUND ROD AT POST (P), OR MAST ARM POLE (MA).
		GROUND ROD AT ELECTRIC SERVICE INSTALLATION
		GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
		FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM12F
		SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD
		COUNTDOWN HEAD
		PEDESTRIAN HEAD
		UNINTERRUPTIBLE POWER SUPPLY

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITIES
SERVICE INSTALLATION, POLE MOUNTED	EACH	1
CONDUIT IN TRENCH, 1 1/2" DIA., GALVANIZED STEEL	FOOT	0
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	520
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	95
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	117
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	96
CONDUIT PUSHED 3" DIA., GALVANIZED STEEL	FOOT	175
CONDUIT PUSHED 4" DIA., GALVANIZED STEEL	FOOT	54
HANDHOLE	EACH	8
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	977
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
TRANSCIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2/C	FOOT	321
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3/C	FOOT	331
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5/C	FOOT	1353
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7/C	FOOT	526
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1771
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2/C	FOOT	100
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	4
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	28
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	28
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-3 SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	5
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP, TYPE I	FOOT	366
PEDESTRIAN PUSH BUTTON	EACH	2
PREFORMED DETECTOR LOOP	FOOT	71
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1/C	FOOT	755
UNINTERRUPTIBLE POWER SUPPLY	EACH	1



CABLE PLAN

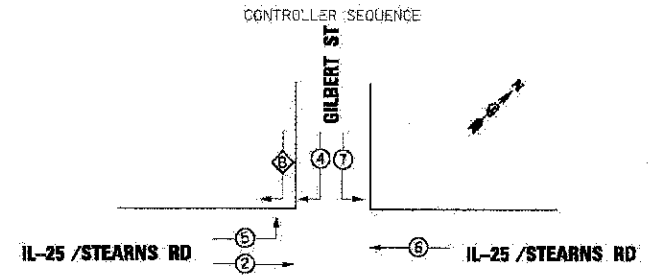
THE END OF THE TRACER CABLE WILL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
B - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20' H/-2'
E - M. ARM POLE	-	SIGNAL POST	2' (1.0)	BRACKET MOUNTED	16m H/-0.6m
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	PED. PUSH BUTTON	4 (1.2)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	13.5 (4.1)
		ELECTRIC SERVICE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.5)	POST MOUNTED	6 (1.8)

NOTES:

- ALL DETECTOR LOOPS, TYPE I SHALL BE SAW CUT AND INSTALLED PRIOR TO THE PLACEMENT OF THE SURFACE COURSE ASPHALT.
- THE SYSTEM DETECTOR LOOP EAST OF THE INTERSECTION SHALL BE PREFORMED DETECTOR LOOPS (PLACED WITHIN THE PCC PAVEMENT) PER IDOT DISTRICT 1 SPECIAL PROVISIONS.

REVISED MAST ARM LENGTH, SIGNAL HEAD PLACEMENT, AND OTHER REVISIONS PER IDOT COMMENTS, THIS DRAWING (REV. 02/12/10) SUPERCEDES ALL PREVIOUS DRAWINGS.



LEGEND

- DUAL ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	4	5

FOR INFORMATION ONLY