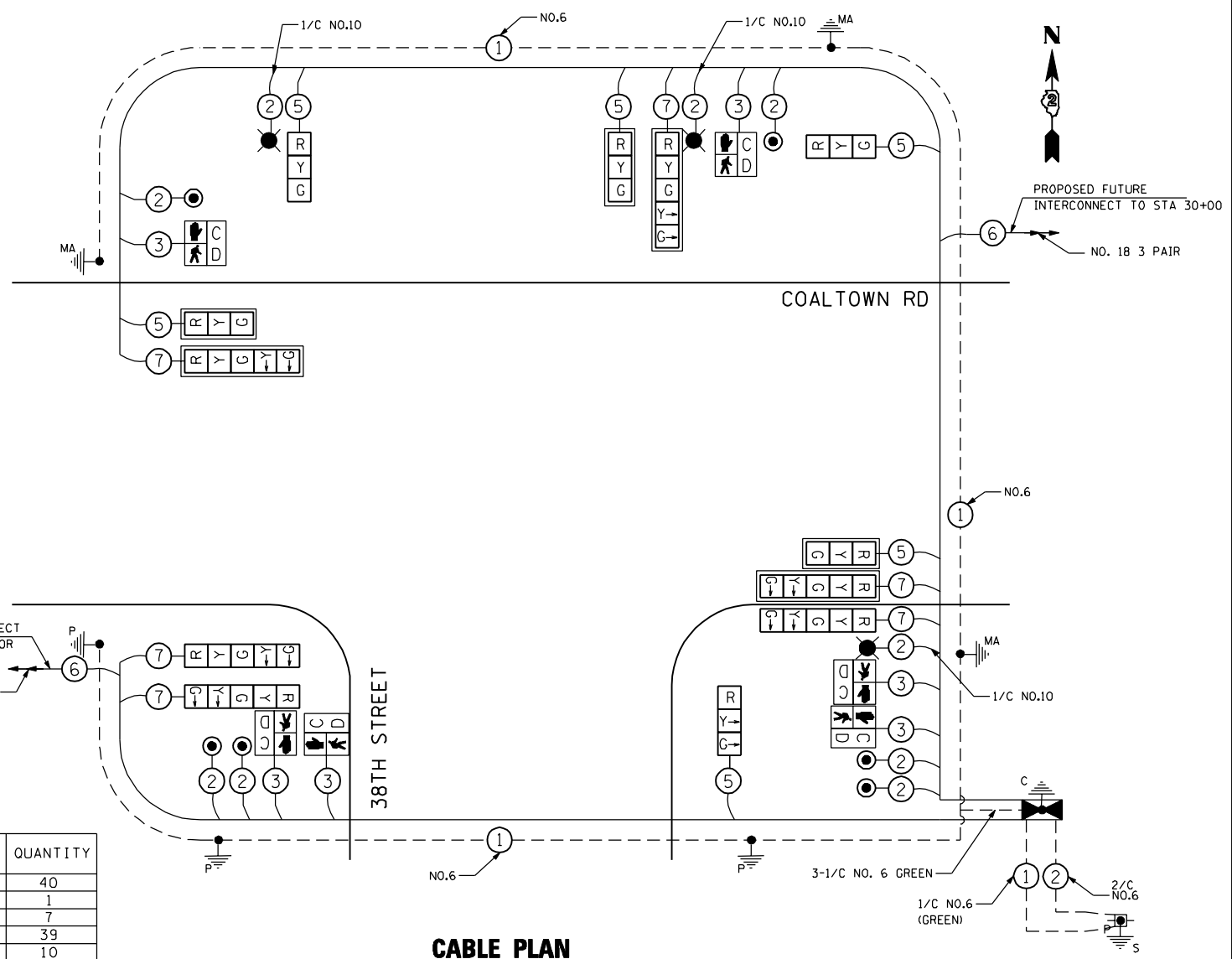


CABLE PLAN LEGEND	
EXISTING	PROPOSED



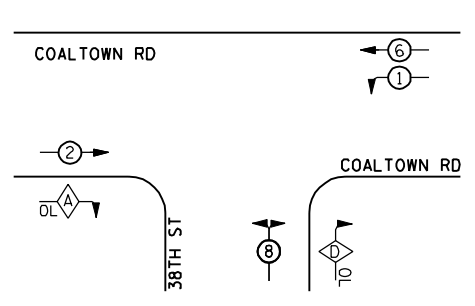
CABLE PLAN

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS SIGNAL SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 2	SQ. FT.	40
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	7
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	39
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2 1/2" DIA.	FOOT	10
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	169
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT	189
HANDHOLE, COMPOSITE CONCRETE	EACH	5
DOUBLE HANDHOLE, COMPOSITE CONCRETE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	897
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	106
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	816
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	858
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	1152
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	1048
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	54
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	565
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	35
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	3
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	6
PEDESTRIAN PUSH-BUTTON	EACH	6
WIRELESS VEHICLE DETECTION AND WARNING SYSTEM COMPLETE	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1

PROPOSED CONTROLLER SEQUENCE



LEGEND

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

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 8
D	= 8	+ 1

PHASE DESIGNATION DIAGRAM

CABLE SLACK	(FEET) (m)	VERTICAL	(FEET) (m)
HANDHOLE	6.5 , (2.0)	ALL FOUNDATION	1.0 , (2.0)
DOUBLE HANDHOLE	13 , (4.0)	MAST ARM (1.) POLE	20'+L-2 = (6m+L-0.6m)
SIGNAL POST	2 , (1.0)	BRACKET MOUNTED	13 , (4.0)
CONTROLLER CAB.	1 , (0.5)	PED. PUSHBOTTON	4 , (1.2)
FIBER OPTIC	13 , (4.0)	ELECTRIC SERVICE	13.5 , (4.1)
ELECTRIC SERVICE	1 , (0.5)	SERVICE TO GROUND	13. , (4.1)
GROUND CABLE	1 , (0.5)	POST MOUNTED	6 , (1.8)

MILLENNIA PROFESSIONAL SERVICES
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 www.mps-ill.com

DESIGNED - TVN	REVISED -
DRAWN - CJD	REVISED -
CHECKED - RPD	REVISED -
DATE - 3/11/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COALTOWN ROAD AT 38TH STREET
CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND SCHEDULE OF QUANTITIES**

SCALE: 1=20 SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	(142-11R & 142-11B)	ROCK ISLAND	507	299
CONTRACT NO. 64B84				

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