

PHASE DESIGNATION DIAGRAM

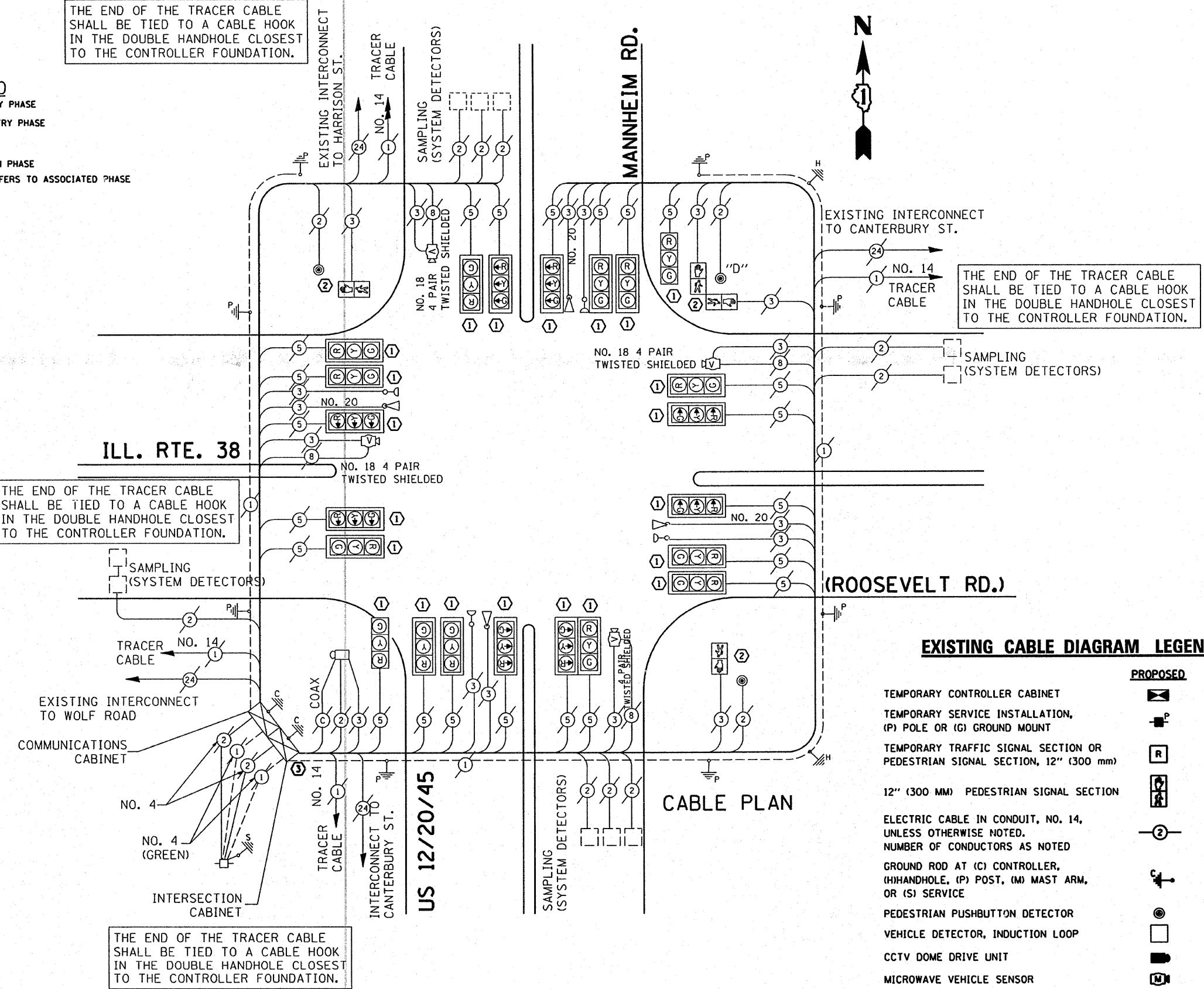
PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.

- LEGEND**
- ⊕ DUAL ENTRY PHASE
 - ⊖ SINGLE ENTRY PHASE
 - OL OVERLAP
 - ⊙ PEDESTRIAN PHASE
 - * NUMBER REFERS TO ASSOCIATED PHASE

THE END OF THE TRACER CABLE SHALL BE TIED TO A CABLE HOOK IN THE DOUBLE HANDHOLE CLOSEST TO THE CONTROLLER FOUNDATION.

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EXISTING CABLE DIAGRAM LEGEND

- | | PROPOSED | EXISTING |
|--|----------|----------|
| TEMPORARY CONTROLLER CABINET | ⊕ | ⊕ |
| TEMPORARY SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT | ⊖ | ⊖ |
| TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION, 12" (300 mm) | R | R |
| 12" (300 mm) PEDESTRIAN SIGNAL SECTION | ⊙ | ⊙ |
| ELECTRIC CABLE IN CONDUIT, NO. 14, UNLESS OTHERWISE NOTED. NUMBER OF CONDUCTORS AS NOTED | ② | ② |
| GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE | ⊕ | ⊕ |
| PEDESTRIAN PUSHBUTTON DETECTOR | ⊙ | ⊙ |
| VEHICLE DETECTOR, INDUCTION LOOP | □ | □ |
| CCTV DOME DRIVE UNIT | ⊖ | ⊖ |
| MICROWAVE VEHICLE SENSOR | M | M |
| VIDEO DETECTOR | V | V |
| CLOSED CIRCUIT TV | C | C |
| EMERGENCY VEHICLE SYSTEM DETECTOR | ⊖ | ⊖ |
| CONFIRMATION BEACON | ⊖ | ⊖ |

NOTE: THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE 'ECONOLITE' TO MATCH THE ADJACENT SYSTEM.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE (INCAND.)	WATTAGE (LED)	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	22	135	17	0.50	
(YELLOW)	22	135	25	0.25	
(GREEN)	22	135	15	0.25	
ARROW	24	135	12	0.10	
PED. SIGNAL	3	90	25	1.00	
CONTROLLER	1	100	100	1.00	
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	

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)
D - 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)		(6m+L-0.6m)
	24" (600mm)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
	30" (750mm)	FIBER OPTIC	13 (4.0)	PEDESTRIAN PUSHBUTTON	4 (1.2)
	36" (900mm)	ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	5 (1.5)

ENERGY SUPPLY CONTACT: DAVE LISKA
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 COMPANY: COM. EDISON

FILE NAME =
 es:\projects\traffic\1070027\us12_20_45.dgn

USER NAME = kenthaphixybe
 DESIGNED - BCK
 DRAWN - BCK
 CHECKED - DAD
 DATE -

REVISIONS:
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING CABLE PLAN
 US 12/20/45 (MANNHEIM) @ IL. RTE. 38 (ROOSEVELT RD.)

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2008-006 TS	COOK	100	77
CONTRACT NO. 60E31				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				