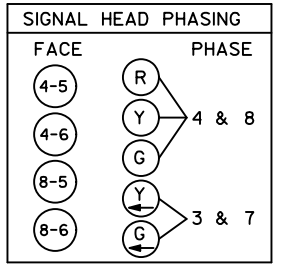


PLOTTED/REVISED: 7-JAN-2019

DISTRICT #: Metro
PLOT NAME: layout
PATH & FILENAME: Projects\DM_R05\055\0000\Traffic\Sig\21915\T21915LWR.DGN

SIGNAL HEAD CHART						
ALL SIGNAL INDICATIONS ARE 12 INCH LEDS						
SIGNAL FACE	R	Y	G	RLTA	YLTA	GLTA
1-1,1-2				←	←	←
2-1,2-2,2-3	o	o	o			
4-5,4-6	o	o	o	←	←	
4-1,4-2,4-3,4-4	o	o	o			
5-1,5-2				←	←	←
6-1,6-2,6-3	o	o	o			
8-5,8-6	o	o	o	←	←	
8-1,8-2,8-3,8-4	o	o	o			



(B) SOURCE OF POWER
WOOD POLE
EXTEND 2" RSC INTO HH-24
WITH: 3 - 1/C #2

LOOP DETECTOR CHART				DISTANCE TO STOP BAR
DESIGNATION	SIZE/FT.	TYPE		
DI-1,DI-2	1-6'X6'	PVC		40'
DI-3	2-6'X6'	PVC		10'
D2-1,D2-2	1-6'X6'	SAWCUT		500'
D3-1	1-6'X12'	SAWCUT		50'
D4-1,D4-2	1-6'X6'	SAWCUT		130'
D4-3,D4-4	1-6'X6'	SAWCUT		20'
D4-5	1-6'X6'	SAWCUT		10'
D5-1	1-6'X6'	PVC		40'
D5-2	1-6'X6'	PVC		10'
D6-1,D6-2	1-6'X6'	SAWCUT		500'
D7-1	1-6'X12'	SAWCUT		50'
D8-1,D8-2	1-6'X6'	PVC		300'
D8-3,D8-4	1-6'X6'	SAWCUT		20'
D8-5	1-6'X6'	SAWCUT		10'

(A) EQUIPMENT PAD (SEE DETAIL)
CONTROLLER, CONTROLLER CABINET
AND FOUNDATION
EXTEND 4" RSC INTO HH-1 WITH:
5 - 12/C #12, 5 - 3/C #12
2 - 3/C #20 AND 11 - 2/C #14
1-COM CABLE AND 1-COAXIAL CABLE

EXTEND 4" RSC INTO HH-23 SPARE
EXTEND 4" RSC INTO HH-23 WITH:
5 - 12/C #12, 4 - 3/C #12
2 - 3/C #20, 10 - 2/C #14,
AND 1-6 PR.#19

(D) SIGNAL SERVICE CABINET
EXTEND 2" RSC INTO CONTROLLER
CABINET WITH:
2 - 1/C #6 AND 1 - 1/C #6 BR.GR.
EXTEND 2" RSC INTO HH-24 WITH:
3 - 1/C #2
EXTEND 2" RSC INTO HH-1 WITH:
4 - 3/C #12 (LUM.)
1 - 3/C #14 (CAMERA POWER)

PA90 FOUNDATION
TYPE PA90-A-35-1-X6-350/CAM 400 (AT 350 DEG)
LUMINAIRE - 200 WATT H.P.S. w/ PEC & TEST SW
1-VIDEO CAMERA
2 - ONE WAY SIGNALS (OVERHEAD) AT 0' & 11'
1-EVP DETECTOR & LIGHT (PHASES 6 & 1)
3-TYPE IOA AT 90, 180, & 270 DEG
1-CAMERA POWER SUPPLY
ENFORCEMENT LIGHT (PHASE 6)
2 - R9-3 SIGNS (FACING POLES 2 & 6)
EXTEND TO HH 3:
3" RSC
2-12/C #12
1-3/C #12
1-3/C #12 (LUM.)
1-3/C #14 (CAMERA POWER)
1-3/C #20
1-COM CABLE
1-COAXIAL CABLE

PEDESTAL FOUNDATION
10' PEDESTAL POLE PLUS BASE
TYPE 2A
2-R9-3 SIGNS (FACING POLES 1&5)
EXTEND INTO HH 21:
3" RSC
1-12/C #12

2" RSC SPARE
4" RSC
5 - 12/C #12
4 - 3/C #12
2 - 3/C #12 (LUM.)
2 - 3/C #20
10 - 2/C #14
1-6 PR.#19

2" RSC SPARE
4" RSC
2 - 12/C #12
3 - 3/C #12
1 - 3/C #12 (LUM.)
1 - 3/C #20
6 - 2/C #14

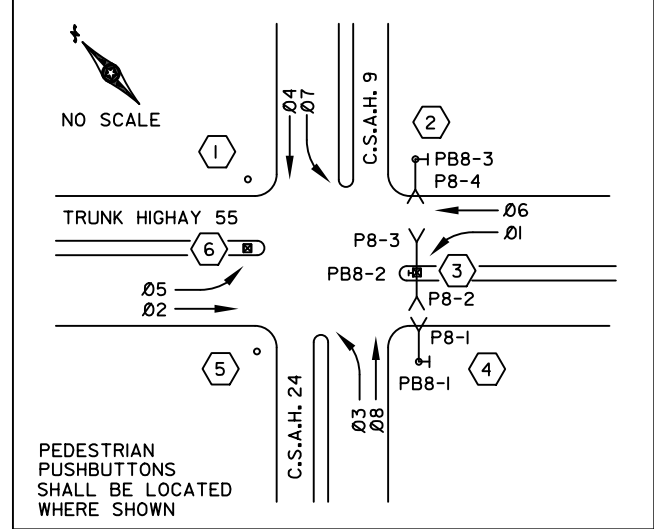
2" RSC SPARE
4" RSC
4 - 12/C #12
4 - 3/C #12
2 - 3/C #12 (LUM.)
2 - 3/C #20
8 - 2/C #14
1 - 6 PR.#19

(5) PA100 FOUNDATION
TYPE PA100-A-50-D40-9 (DAVIT AT 350 DEG)
2 - ONE WAY SIGNALS (OVERHEAD) AT 0' & 11'
LUMINAIRE - 200 WATT H.P.S. w/ PEC & TEST SW
EVP DETECTOR & LIGHT (PHASES 4+7)
2-TYPE IOA AT 0 & 270 DEG
2 - R9-3 SIGNS (FACING POLES 4 & 6)
EXTEND INTO HH 16:
3" RSC
2-12/C #12
1-3/C #12 (LUM.)
1-3/C #20

(4) PA90 FOUNDATION
TYPE PA90-A-35-D40-9 (DAVIT AT 350 DEG)
2 - ONE WAY SIGNALS (OVERHEAD) AT 0' & 11'
LUMINAIRE - 200 WATT H.P.S. w/ PEC & TEST SW
2-TYPE IOA AT 180 & 270 DEG
EVP DETECTOR & LIGHT (PHASES 2+5)
ENFORCEMENT LIGHT (PHASE 2)
TYPE IOB AT 90 DEG
1-PED PB & SIGN
1- R9-3 SIGN (FACING POLE 5) EXTEND INTO HH 11:
3" RSC
2-12/C #12
3-3/C #12
1-3/C #12 (LUM.)
1-3/C #20

SIGNAL OPERATION NOTES
- NORMAL OPERATION IS 8 PHASE
- FLASH MODE SHALL BE ALL RED
- PHASES 1 & 5 SHALL BE PROTECTED LEFT TURNS
- PHASES 3 & 7 SHALL BE PROTECTED/PERMISSIVE LEFT TURNS
- PHASES 2 & 6 SHALL BE ON VEHICLE RECALL

CONTROLLER PHASING, PEDESTRIAN INDICATIONS & PUSHBUTTON LAYOUT

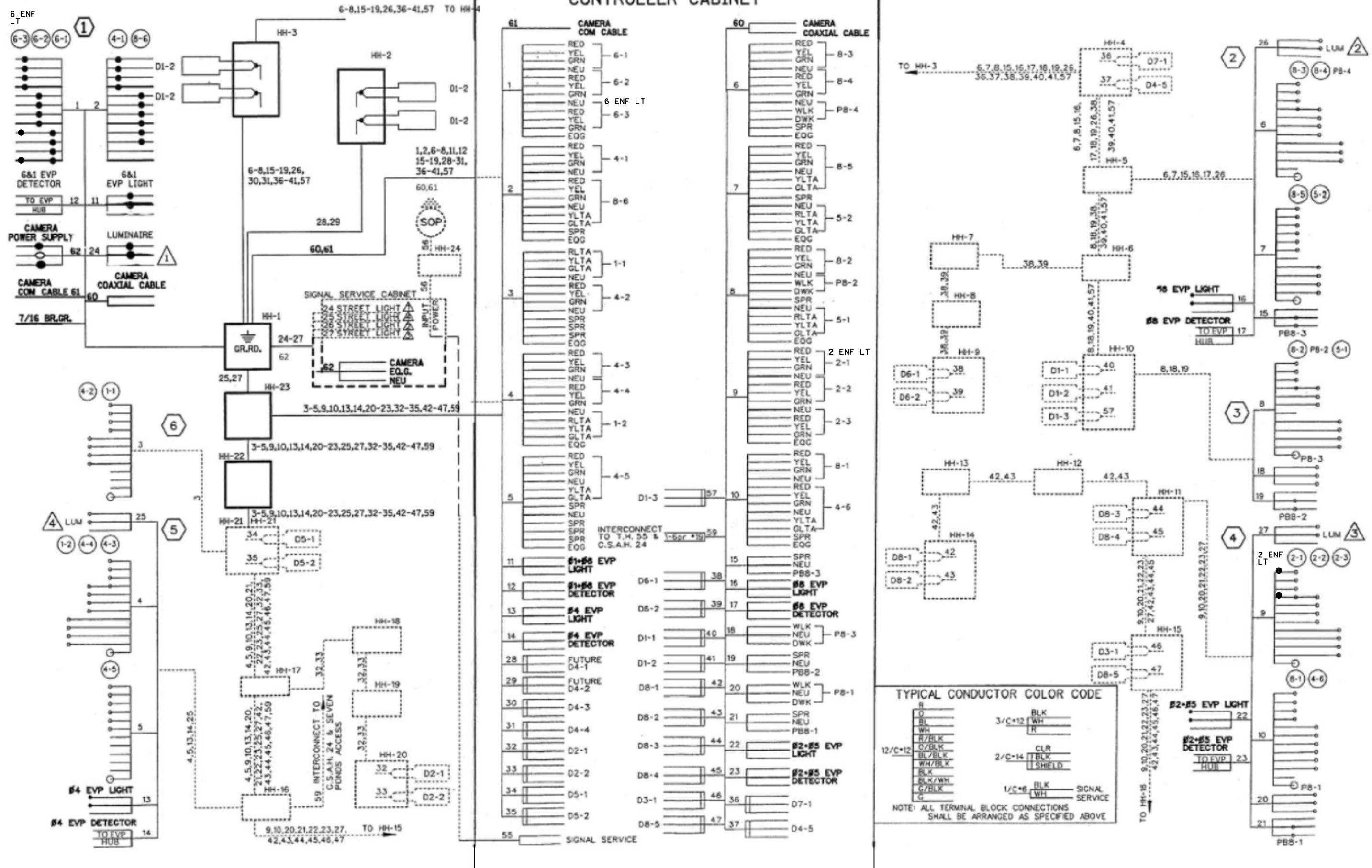


BY: SJK	DATE: 01/08/19	OPERATIONAL PLAN	REVISIONS:	SYSTEM ID: 1735963	T.E.	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
				METER ADDRESS: 3600 DUNKIRK AVE	INTERSECTION LAYOUT T.H. 55 AT C.S.A.H. 9/24 (ROCKFORD ROAD) IN PLYMOUTH, HENNEPIN COUNTY		CERTIFIED BY: _____ LICENSED PROFESSIONAL ENGINEER		LIC. NO. _____
				OLD SYSTEM ID: 21915	STATE PROJ. NO. (T.H.55)		SHEET NO. 1 OF 2 SHEETS		

PLOTTED/REVISED: 7-JAN-2019

DISTRICT *: Metro
PLOT NAME: wiring diagram
PATH & FILENAME: Projects\DM_ROS\055\00007\Traffic\Signals\21915\T21915LWR.DGN

CONTROLLER CABINET



BY	DATE	REVISIONS
SJK	01/08/19	OPERATIONAL PLAN

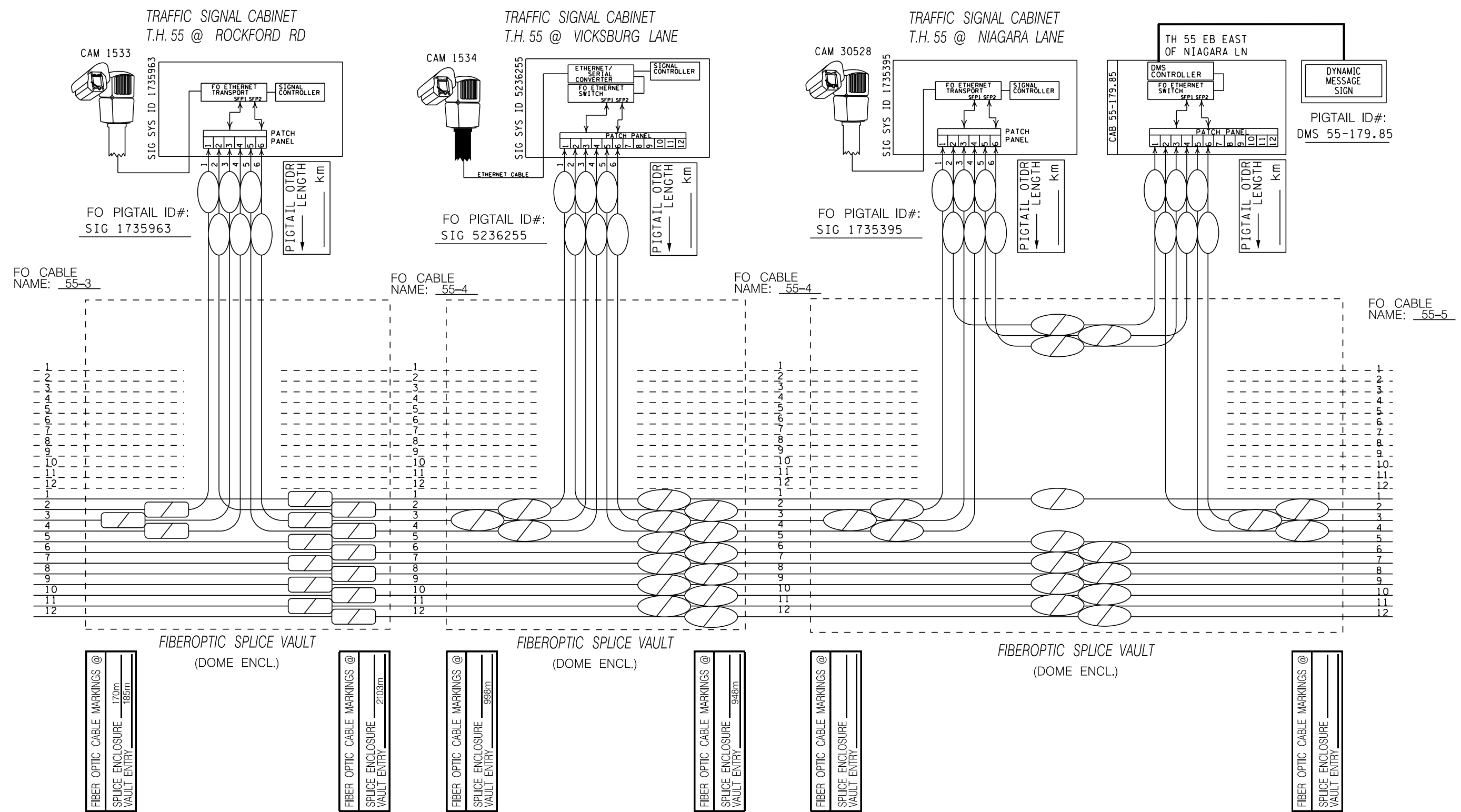
SYSTEM ID: 1735963 T.E.
 METER ADDRESS: 3600 DUNKIRK AVE
 OLD SYSTEM ID: 21915

FIELD WIRING DIGRAM
 T.H. 55 AT C.S.A.H. 9/24 (ROCKFORD ROAD)
 IN PLYMOUTH, HENNEPIN COUNTY

S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
CERTIFIED BY _____	LIC. NO. _____	DATE: _____	
STATE PROJ. NO.	(T.H.55)	SHEET NO.	2 OF 2 SHEETS



PIGTAIL ID#:
SIGN 55-179.85



DESIGN TEAM				
DESIGNED BY:	JAH			
DRAWN BY:	BWS			
CHECKED BY:	JAH			
NO.	DATE	DWN	CKD	REVISIONS

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

CERTIFIED BY: *Joel A. Hinnekkamp* LIC No: 53081
Licensed Professional Engineer

PRINTED NAME: JOEL A. HINNEKKAMP, P.E. DATE: 10/12/2023



TRAFFIC MANAGEMENT SYSTEM PLANS
COMMUNICATION SCHEMATICS/TESTING

STATE PROJ. NO. 2723-144 (TH 55), SAP 155-010-006

SZ36
OF SZ42