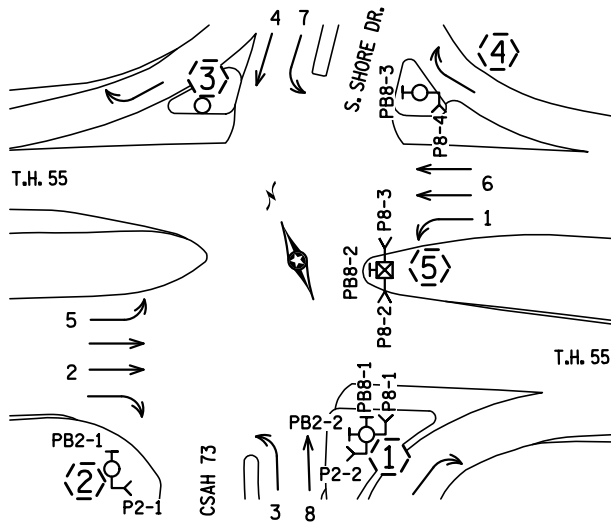


PLOTTED/REVISED: 9-NOV-2023

PLOT NAME: T20859_asbuilt
FILENAME: Projects\DM_FROSO55\00000\Traffic\Signal\B3.0 TH55 @ (73) S SHORE DR 173540\PEND\ING\T20859_asbuilt

CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS



PEDESTRIAN PUSH BUTTONS SHALL BE LOCATED AS SHOWN ABOVE

SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 8 PHASE, WITH PHASES 1 AND 5 BEING PROTECTED LEFT TURN PHASES.
- PHASES 3 AND 7 SHALL BE PROTECTED/PERMISSIVE LEFT TURNS.
- PHASE 6 SHALL BE ON VEHICLE RECALL.
- PHASE 2 SHALL BE ON PEDESTRIAN RECALL.

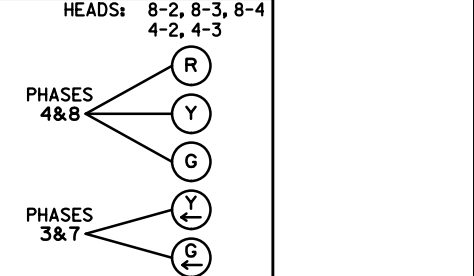
LOOP DETECTOR CHART

NUMBER	SIZE (FT)	LOCATION	STATUS
D1-1	6'X6'	40'	INPLACE
D1-2	6'X6'	10'	INPLACE
D2-1,D2-2	6'X6'	475'	INPLACE
D6-1,D6-2	6'X6'	475'	INPLACE
D5-1	6'X6'	40'	INPLACE
D5-2	6'X6'	10'	INPLACE
D8-1	6'X6'	165'	INPLACE
D8-2	2-6'X6'	10'	INPLACE
D4-1	2-6'X6'	150'	INPLACE
D4-2	2-6'X6'	10'	INPLACE
D3-1	6'X15'	50'	INPLACE
D7-1	6'X15'	50'	INPLACE

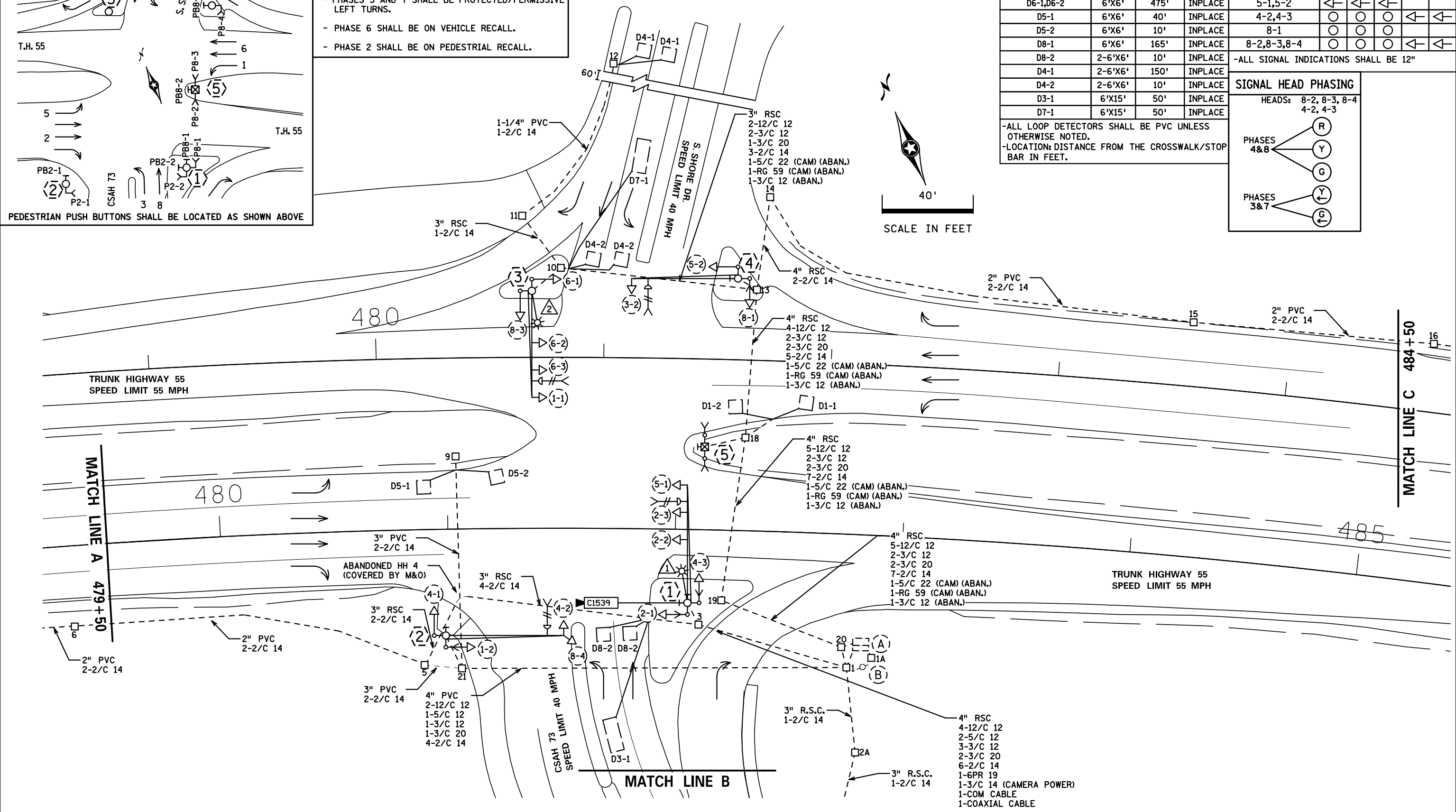
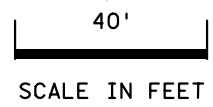
SIGNAL HEAD CHART

FACE	R	Y	G	Y	G
1-1,1-2	←	←	←		
2-1,2-2,2-3	○	○	○		
4-1	○	○	○		
5-1,5-2	←	←	←		
4-2,4-3	○	○	○	←	←
8-1	○	○	○	○	○
8-2,8-3,8-4	○	○	○	○	○

SIGNAL HEAD PHASING



-ALL LOOP DETECTORS SHALL BE PVC UNLESS OTHERWISE NOTED.
-LOCATION: DISTANCE FROM THE CROSSWALK/STOP BAR IN FEET.



BY	DATE	REVISIONS
MJB	11/08/23	AS BUILT OF PERMIT JOB 09/30/14

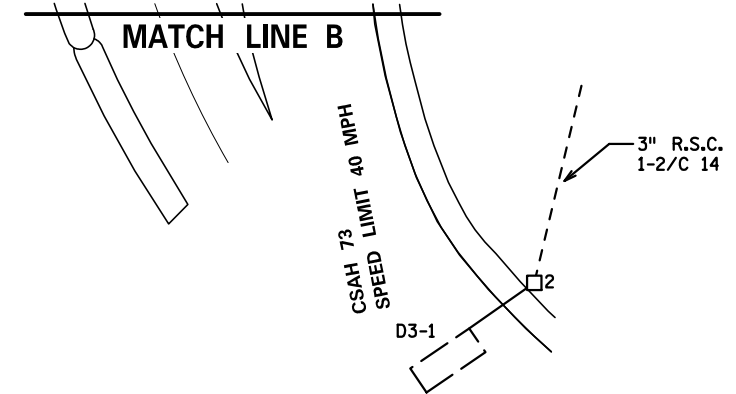
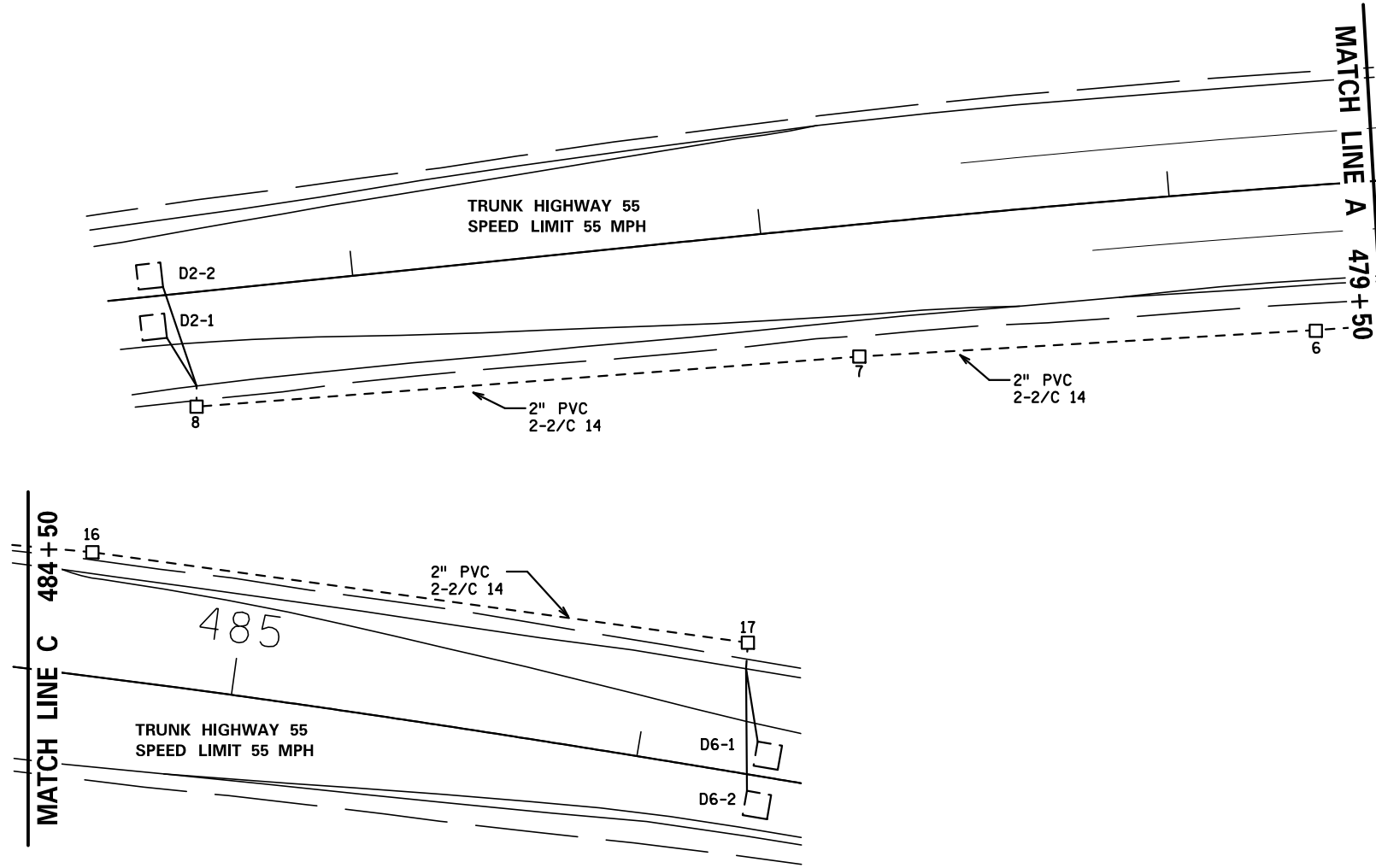
SYSTEM ID: 1735401 T.E.
METER ADDRESS: 11011 HIGHWAY 55
OLD SYSTEM ID:

INTERSECTION LAYOUT
TH 55 AT CSAH 73/S SHORE DR
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. 1 OF 4 SHEETS	

PLOTTED/REVISED: 9-NOV-2023

I/PLOT NAME: T20859_asbult
 FILENAME: Projects\DM_FRO5\055\00001\Traffic\Signal\B3.0 TH55 @ (73) S SHORE DR 173540NPE\DWG\T20859_asbult



BY	DATE	REVISIONS
MJB	11/08/23	AS BUILT OF PERMIT JOB 09/30/14

SYSTEM ID: 1735401 T.E.
 METER ADDRESS: 11011 HIGHWAY 55
 OLD SYSTEM ID:

MATCH LINES
 TH 55 AT CSAH 73/S SHORE DR
 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	4 SHEETS

PLOTTED/REVISED: 9-NOV-2023

PLOT NAME: T20859_asbuilt
 FILENAME: Projects\DM罗斯055\00001Traffic\Signal\B3.0 TH55 @ (73) S SHORE DR 173540\PEINDING\T20859_asbuilt

(3) PA100 POLE FOUNDATION
 PA100-A45-D40-9 (DAVIT AT 350°)
 3-ONE WAY SIGNALS OVERHEAD
 0', 11' & 23' FROM END OF MAST ARM
 TYPE 10A AT 0°
 TYPE 10A AT 270°
 2-R9-3 SIGN (NO PEDS)
 FACING POLES 2 & 4
 LUMINAIRE-200W HPS
 ONE WAY EVP DETECTOR &
 CONFIRMATORY LIGHT
 2-SWING AWAY HINGES
 3" RSC TO HH 10 WITH
 2-12/C 12
 2-3/C 12
 1-3/C 20

(4) PA100 POLE FOUNDATION
 TYPE PA100-A45
 ONE WAY SIGNAL OVERHEAD
 TYPE 10A AT 0°
 TYPE 10B AT 270°
 1-R9-3 SIGN (NO PEDS)
 FACING POLE 3
 1-R10-12 SIGN (LEFT TURN
 YIELD ON GREEN BALL)
 1-PED PUSH BUTTON & SIGN
 ONE WAY EVP DETECTOR &
 CONFIRMATORY LIGHT
 3" RSC TO HH 13 WITH
 2-12/C 12
 2-3/C 12
 1-3/C 20

(2) PA100 POLE FOUNDATION
 TYPE PA100-A-50
 1-ANGLE MOUNT 2-WAY SIGNAL
 OVERHEAD AT 0' FROM END OF MAST ARM
 2-ANGLE MOUNT SIGNALS AT 90° & 180°
 1-ANGLE MOUNT PED AT 90°
 1-R9-3 SIGN (NO PEDS)
 FACING POLE 3
 1-R10-12 SIGN ADJACENT TO
 HEAD 4-2
 ONE WAY EVP DETECTOR & CONFIRMATORY LIGHT
 3" PVC TO HH 21
 2-12/C 12
 1-5/C 12
 1-3/C 12
 1-3/C 20

(5) TYPE 4B
 8' SIGNAL PEDESTAL
 2-SETS PEDESTRIAN INDICATIONS
 1-PED PUSH BUTTON
 3" RSC INTO HH 18 WITH
 1-12/C 12
 2-3/C 12

(1) PA100 POLE FOUNDATION
 PA100-A50-D40-9 (DAVIT AT 350°)
 3-ONE WAY SIGNALS OVERHEAD
 0', 11' & 23' FROM END OF MAST ARM
 TYPE 10B AT 0°
 TYPE 10B AT 270°
 1-PED PUSH BUTTON & SIGN
 LUMINAIRE-200W HPS
 ONE WAY EVP DETECTOR &
 CONFIRMATORY LIGHT
 2-SWING AWAY HINGES
 3" RSC TO HH 3 WITH
 2-12/C 12
 1-5/C 12
 4-3/C 12
 1-3/C 20
 1-7/16" GROUNDING BRAID (LIGHTING ROD
 TO GROUND ROD)

(A) EQUIPMENT PAD
 CONTROLLER & CABINET
 SERVICE CABINET (PAD MOUNTED)
 CABINET TO HH 1 CABINET TO HH 20
 4" RSC 4" RSC
 4-12/C 12 5-12/C 12
 2-5/C 12 1-3/C 12
 2-3/C 12 2-3/C 20
 2-3/C 20 7-2/C 14
 6-2/C 14 1-15/C 22 (CAM)
 1-6PR#19 1-RG 59 (CAM)

(B) SOP POWER POLE
 1 1/4" RSC
 2" RSC RISER & WEATHERHEAD
 3-1/C 2
 2" RSC TO HH 1
 3-1/C 2
 LOAD CENTER TO CABINET
 1 1/4" RSC
 2-3/C 12 (LUM)
 1-15A/1P CIRCUIT BREAKER INTO
 EXISTING BREAKER BOX
 1-3/C 12 FROM CIRCUIT BREAKER

LOAD CENTER TO HH 1
 2" RSC
 3-1/C 2
 HH 1 TO HH 20
 2" PVC
 1-3/C 12

BY	DATE	REVISIONS
MJB	11/08/23	AS BUILT OF PERMIT JOB 09/30/14

SYSTEM ID: 1735401 T.E.
 METER ADDRESS: 11011 HIGHWAY 55
 OLD SYSTEM ID:

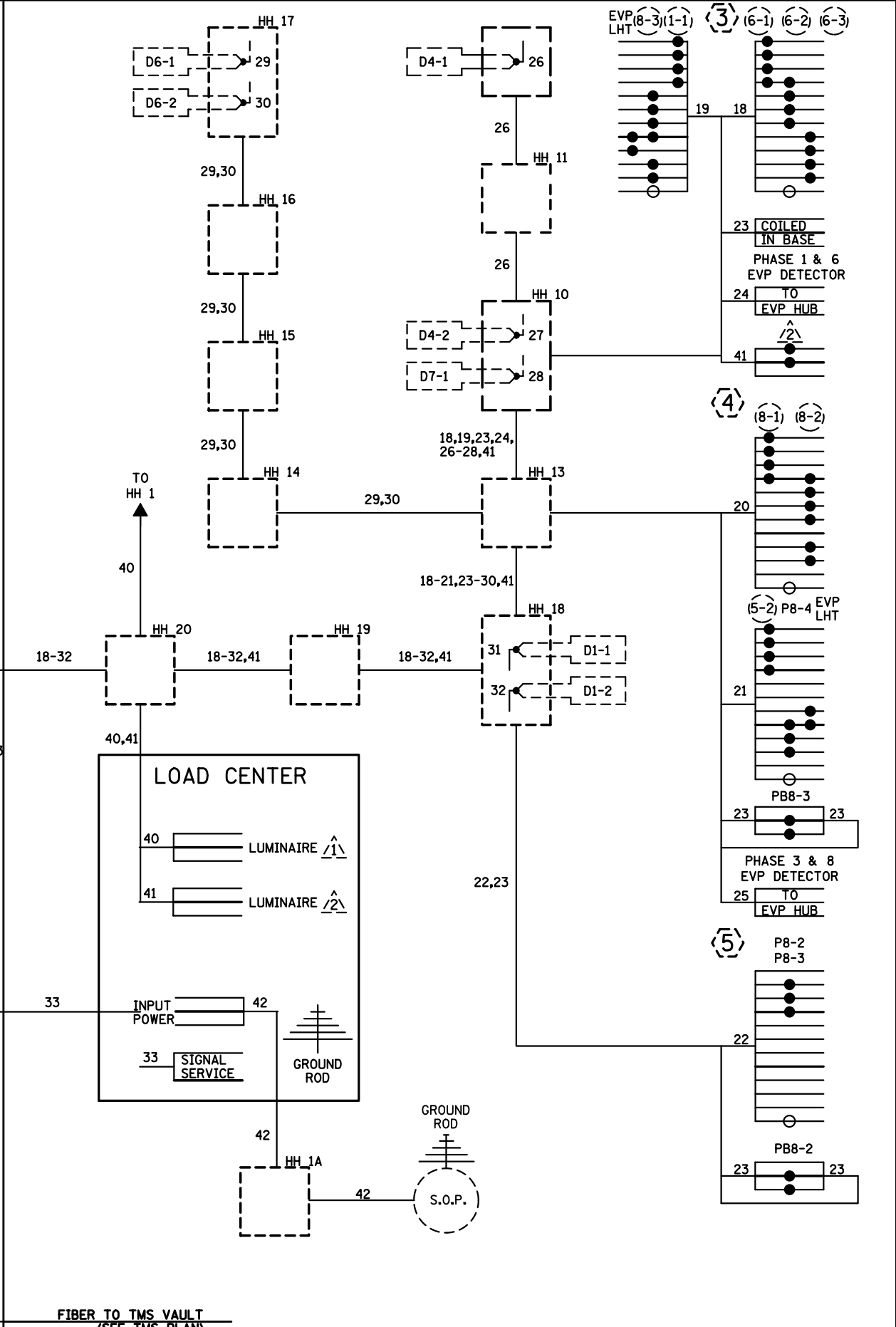
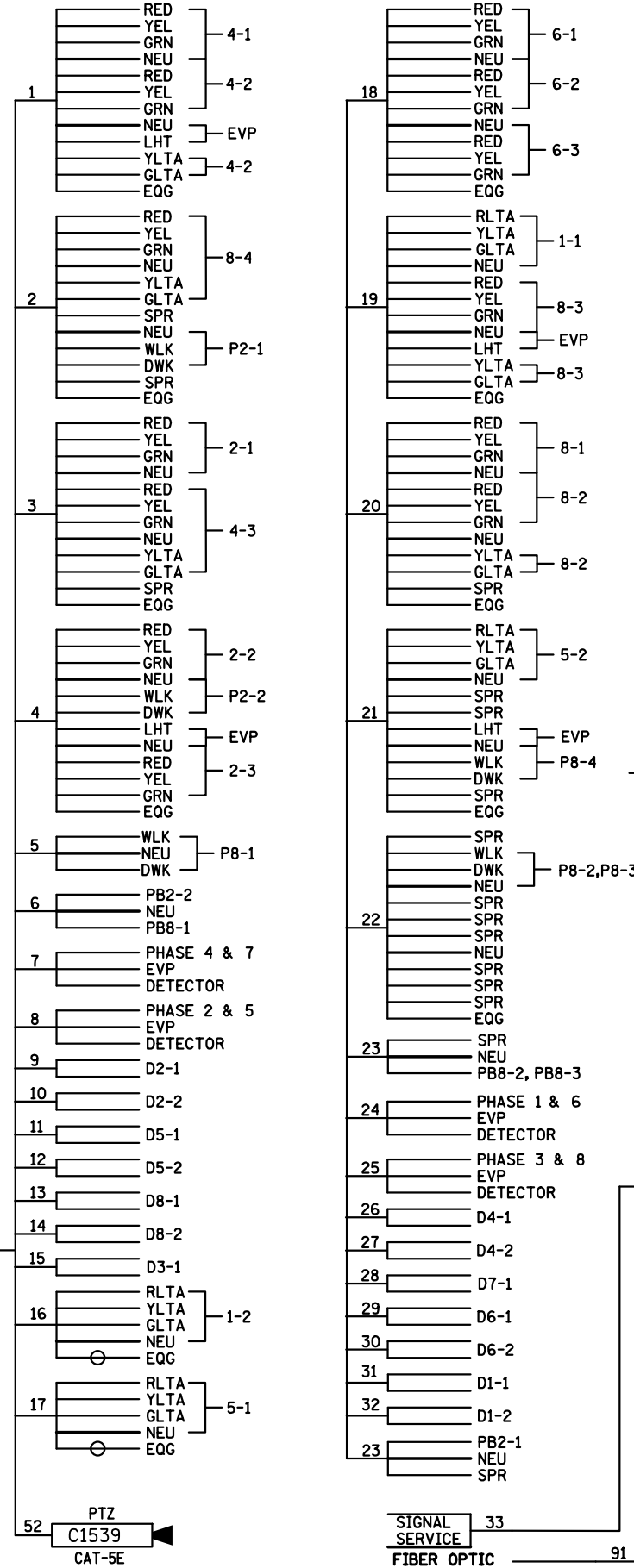
POLE NOTES
 TH 55 AT CSAH 73/S SHORE DR
 IN PLYMOUTH, HENNEPIN COUNTY

S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
CERTIFIED BY _____	LIC. NO. _____	DATE: _____	
STATE PROJ. NO. (T.H.55)		SHEET NO. 3 OF	4 SHEETS

PLOTTED/REVISED: 9-NOV-2023

PLOT NAME: T20859_asbuilt
FILENAME: Projects\DM_PROS\055\0000\Traffic\Signal\B3.0 TH55 @ (73) S SHORE DR 173540\PEND\ING\T20859_asbuilt

CONTROLLER CABINET



CONDUCTOR COLOR CODING

R	R	5/C#12
BL	BL	
WH	WH	
R/BLK	R/BLK	
O/BLK	O/BLK	
BL/BLK	BL/BLK	
WH/BLK	WH/BLK	3/C#12
BLK	BLK	
BLK/WH	BLK/WH	3/C#20
G/BLK	G/BLK	
G	G	
2-1/C#6	BLK	2/C#14
	WH	
	BLK	
	CLEAR	

NOTE: ALL TERMINAL BLOCK CONNECTIONS SHALL BE ARRANGED AS SPECIFIED ABOVE

BY	DATE	REVISIONS
MJB	11/09/23	AS BUILT OF PERMIT JOB 09/30/14

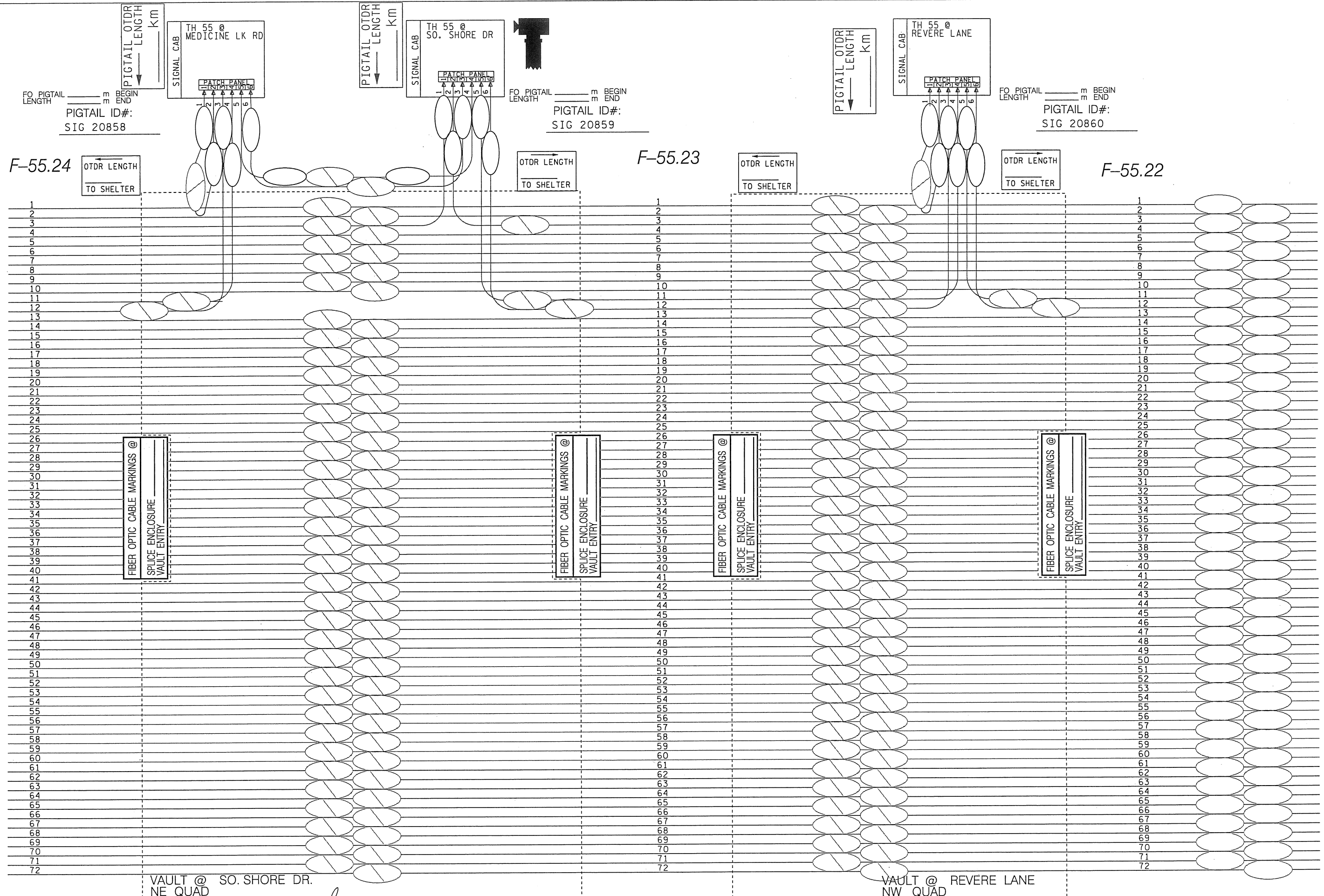
SYSTEM ID: 1735401 T.E.
 METER ADDRESS: 11011 HIGHWAY 55
 OLD SYSTEM ID:

WIRING DIAGRAM
 TH 55 AT CSAH 73/S SHORE DR
 IN PLYMOUTH, HENNEPIN COUNTY

S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:

CERTIFIED BY _____ LICENSED PROFESSIONAL ENGINEER LIC. NO. _____ DATE: _____

STATE PROJ. NO. (T.H.55) SHEET NO. 4 OF 4 SHEETS



TO TH 169 / TH 55 SHELTER

REV. NO.	DATE: / /
REV. NO.	DATE: / /

CERTIFIED BY *[Signature]* LIC. NO. 26530 APR. 20, 2010
 LICENSED PROFESSIONAL ENGINEER

STATE PROJ. NO. 2700-54

SHEET NO. T134 OF T178 SHEETS