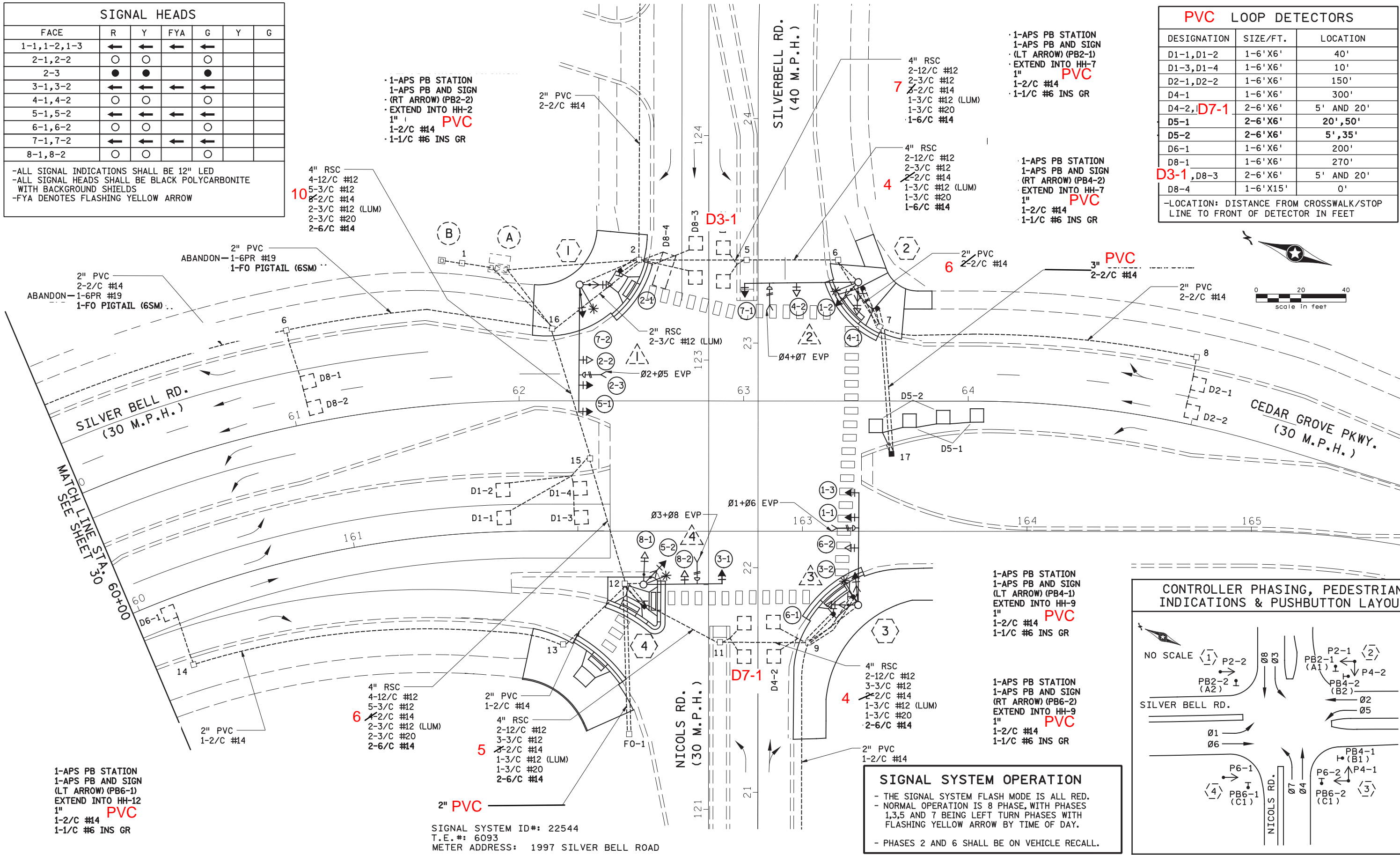


SIGNAL HEADS						
FACE	R	Y	FYA	G	Y	G
1-1,1-2,1-3	←	←	←	←		
2-1,2-2	○	○		○		
2-3	●	●		●		
3-1,3-2	←	←	←	←		
4-1,4-2	○	○		○		
5-1,5-2	←	←	←	←		
6-1,6-2	○	○		○		
7-1,7-2	←	←	←	←		
8-1,8-2	○	○		○		

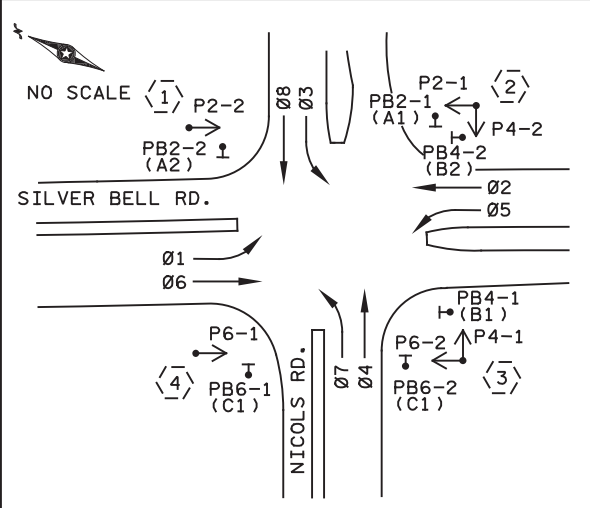
-ALL SIGNAL INDICATIONS SHALL BE 12" LED
 -ALL SIGNAL HEADS SHALL BE BLACK POLYCARBONITE WITH BACKGROUND SHIELDS
 -FYA DENOTES FLASHING YELLOW ARROW

PVC LOOP DETECTORS		
DESIGNATION	SIZE/FT.	LOCATION
D1-1,D1-2	1-6' X6'	40'
D1-3,D1-4	1-6' X6'	10'
D2-1,D2-2	1-6' X6'	150'
D4-1	1-6' X6'	300'
D4-2, D7-1	2-6' X6'	5' AND 20'
D5-1	2-6' X6'	20', 50'
D5-2	2-6' X6'	5', 35'
D6-1	1-6' X6'	200'
D8-1	1-6' X6'	270'
D3-1, D8-3	2-6' X6'	5' AND 20'
D8-4	1-6' X15'	0'

-LOCATION: DISTANCE FROM CROSSWALK/STOP LINE TO FRONT OF DETECTOR IN FEET



CONTROLLER PHASING, PEDESTRIAN INDICATIONS & PUSHBUTTON LAYOUT



SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
 - NORMAL OPERATION IS 8 PHASE, WITH PHASES 1,3,5 AND 7 BEING LEFT TURN PHASES WITH FLASHING YELLOW ARROW BY TIME OF DAY.
 - PHASES 2 AND 6 SHALL BE ON VEHICLE RECALL.

4:58:47 PM 4/29/2014 C:\projects\8382\CAD_BIM\PIan\8382_r03.dgn

NO	DATE	BY	CKD	APPR	REVISION

I hereby certify that this plan, specification, or report 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.

Print Name: SCOTT C. POSKA
 Date: 04/29/2014 License #: 47068

STATE AID PROJECT NO. 195-108-007
 STATE PROJECT NO. COUNTY PROJECT NO. CITY PROJECT NO. 1153

DRAWN BY D. RASMUSSEN
 DESIGNED BY D. RASMUSSEN
 CHECKED BY S. POSKA
 COMM. NO. 0148382



CITY OF EAGAN
 TRAFFIC SIGNAL PLANS
 CEDAR GROVE AREA INTERSECTION IMPROVEMENTS
 REVISED INTERSECTION LAYOUT (SYSTEM "B")
 SILVER BELL RD. AT CEDAR GROVE PKWY. / NICOLS RD.

SHEET 1 OF 4

1 PA100 POLE FOUNDATION
 TYPE PA100-A50-D40-9 (DAVIT AT 350 DEG)
 5 FOOT MAST ARM EXTENSION

1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 1-STRAIGHT MOUNT SIGNAL OVERHEAD AT 12'
 1-STRAIGHT MOUNT SIGNAL OVERHEAD AT 23'
 TYPE 10A AT 0°
 TYPE 10B AT 270°

HEAD

1-C.D. PED ~~IND~~ AT 270 DEG
 1-ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (PHASES 2+5)
 LUMINAIRE - 250W HPS

1-R9-3 SIGN FACING POLE 4
 1-TYPE D SIGN
 3" RSC TO HH-2:
 2-12/C #12
 2-3/C #12
 1-3/C #12 (LUM)
 1-3/C #20
 1-6/C #14
 1-R10-X12 SIGN (ADJACENT TO HEAD 5-1).

2 PA100 POLE FOUNDATION
 TYPE PA100-A50-D40-9 (DAVIT AT 350 DEG)
 5 FOOT MAST ARM EXTENSION

1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 1-STRAIGHT MOUNT SIGNAL OVERHEAD AT 23'
 TYPE 10B AT 0°
 TYPE 10B AT 270°

HEADS

2-C.D. PED ~~IND~~ AT 0 AND 270 DEG
 1-ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (PHASE 4)
 LUMINAIRE - 250W HPS

1-TYPE D SIGN
 3" RSC TO HH-6:
 2-12/C #12
 2-3/C #12
 1-3/C #12 (LUM)
 1-3/C #20
 1-6/C #14
 1-R10-X12 SIGN (ADJACENT TO HEAD 5-1).

A EQUIPMENT PAD
 SERVICE CABINET
 CABINET AND CONTROLLER
 4" RSC TO HH-16:
 4-12/C #12
 5-3/C #12
 11 6-2/C #14
 2-3/C #20
 1-6PR #19-**ABANDONED**
 2-6/C #14

1-F0 PIGTAIL (6SM)
 4" RSC TO HH-2:
 4-12/C #12
 4-3/C #12
 11 6-2/C #14
 2-3/C #20
 2-6/C #14

3" RSC STUBBED OUT (THREAD AND CAPPED BOTH ENDS)
 2" RSC TO SERVICE CABINET
 2-1/C #6 AND 1-1/C #6 INS. GR.
 SERVICE CABINET TO HH-2
 4-3/C #12 (LUM)
 SERVICE CABINET TO HH-1
 2" RSC
 3-1/C #2

B SOP GROUND MOUNTED TRANSFORMER
 EXTEND 2" **PVC** INTO HH-1 WITH:
 3-1/C #2

3 PA100 POLE FOUNDATION
 TYPE PA100-A30-D45-9 (DAVIT AT 350 DEG)
 5 FOOT MAST ARM EXTENSION

1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 1-STRAIGHT MOUNT SIGNAL OVERHEAD AT 11'
 1-STRAIGHT MOUNT SIGNAL OVERHEAD AT 23'
 TYPE 10B AT 0°
 TYPE 10B AT 270°

HEADS

2-C.D. PED ~~IND~~ AT 0 AND 270 DEG
 1-ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (PHASES 1+6)
 LUMINAIRE - 250W HPS

1-TYPE D SIGN
 3" RSC TO HH-9:
 2-12/C #12
 3-3/C #12
 1-3/C #12 (LUM)
 1-3/C #20
 2-6/C #14
 1-R10-X12 SIGN (ADJACENT TO HEAD 1-3).

4 PA100 POLE FOUNDATION
 TYPE PA100-A30-D40-9 (DAVIT AT 350 DEG)
 5 FOOT MAST ARM EXTENSION

1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 1-STRAIGHT MOUNT SIGNAL OVERHEAD AT 18'
 TYPE 10B AT 0°
 TYPE 10A AT 270°

HEAD

1-C.D. PED ~~IND~~ AT 0 DEG
 1-ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (PHASE B)
 LUMINAIRE - 250W HPS

1-R9-3 SIGN FACING POLE 1
 1-TYPE D SIGN
 3" RSC TO HH-12:
 3-12/C #12
 2-3/C #12
 1-3/C #12 (LUM)
 1-3/C #20
 1-R10-X12 SIGN (ADJACENT TO HEAD 3-1).

SIGNAL SYSTEM ID#: 22544
 T.E.#: 6093
 METER ADDRESS: 1997 SILVER BELL ROAD

3/13/14 6 PM 4/18/2014 H:\Projects\8382\CAD_BIM\Plan\8382_04.dgn

NO	DATE	BY	CHK	APPR	REVISION

I hereby certify that this plan, specification, or report 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.

Print Name: SCOTT C. POSKA
SCOTT C. POSKA
 Date: 04/18/2014 License #: 47068

STATE AID PROJECT NO. 195-108-007
 STATE PROJECT NO.
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DRAWN BY D. RASMUSSEN
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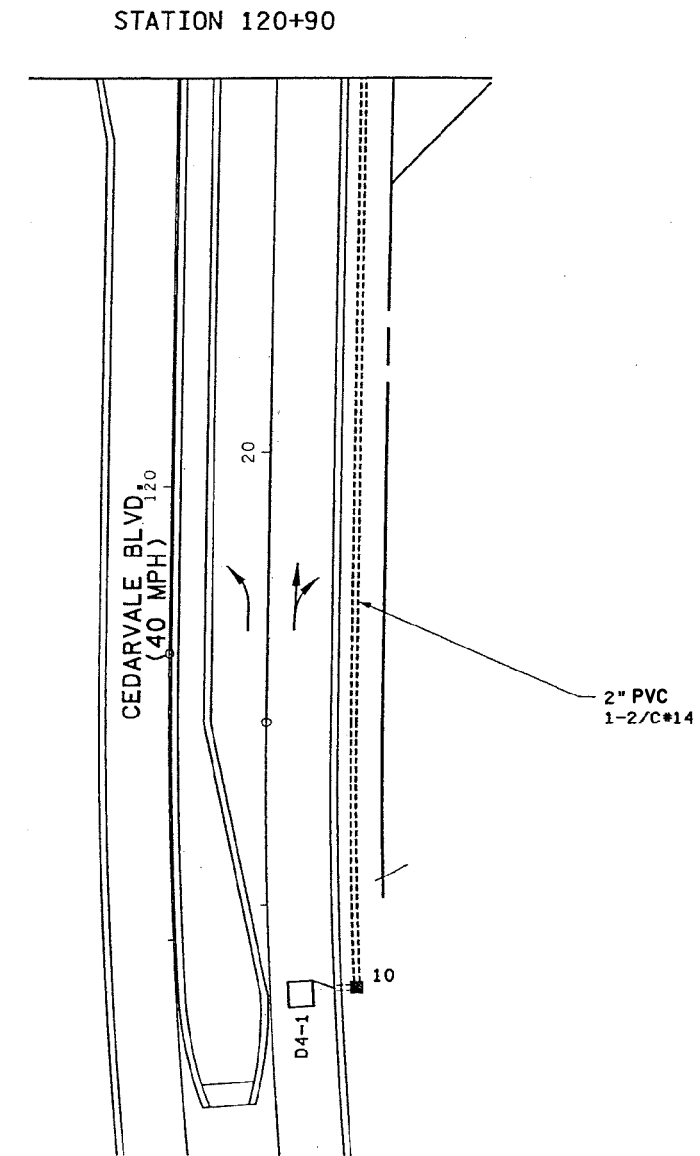
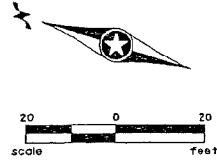
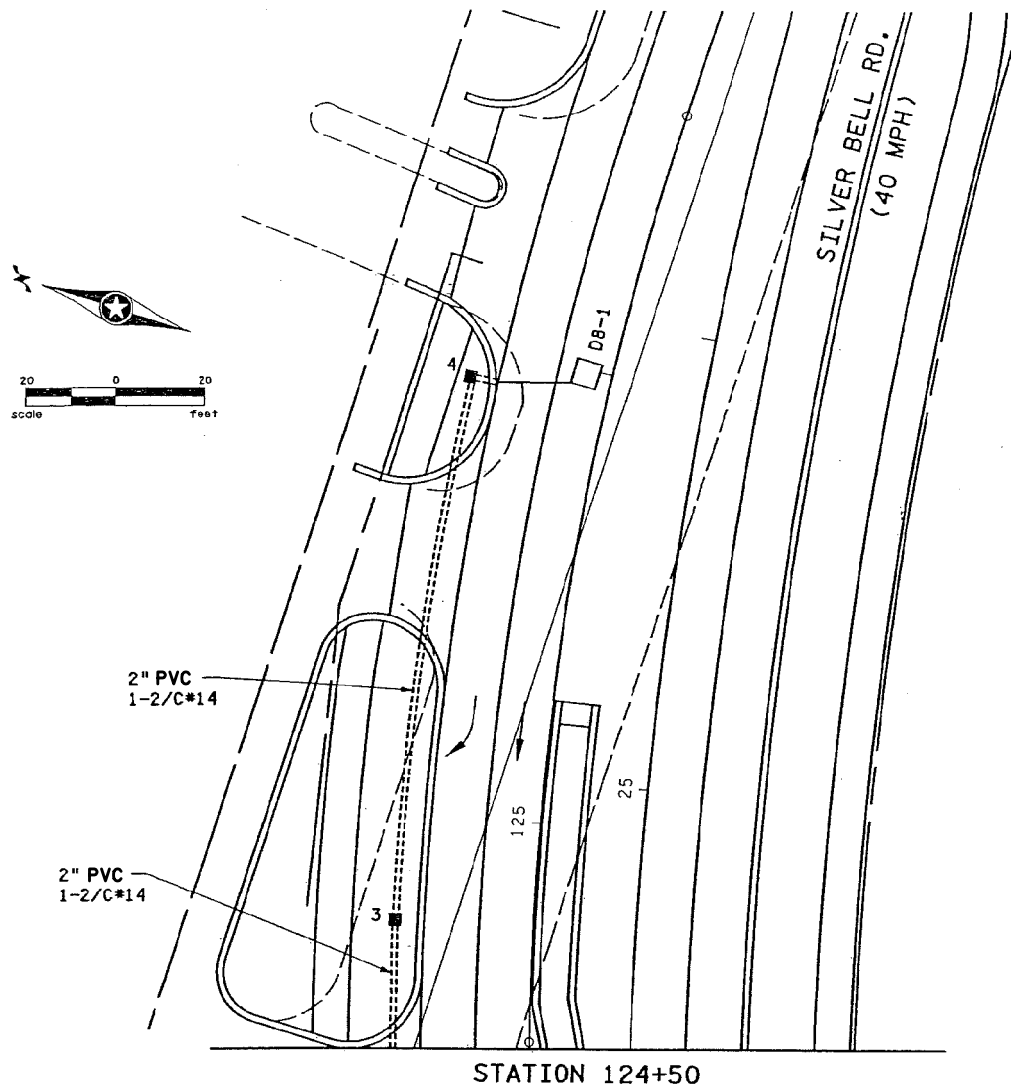
ENGINEERS
 PLANNERS
 DESIGNERS

CITY OF EAGAN
 TRAFFIC SIGNAL PLANS
 CEDAR GROVE AREA INTERSECTION IMPROVEMENTS
 SIGNAL POLE AND CONTROLLER NOTES (SYSTEM "B")
 SILVER BELL RD. AT CEDAR GROVE PKWY. / NICOLS RD.

SHEET
 3
 OF
 4

PLOTTED/REVISED: 9/21/2015

DISTRICT #: METRO
IPLOT NAME: match lines
PATH & FILENAME: IP_PWP-d\735383\T22544LWR_sgl.dgn



BY	DATE	REVISIONS
	07-13-14	CLEANED UP POINT
	4/18/14	SAP 195-108-007

SYSTEM ID: 22544 T.E.
 METER ADDRESS: 1997 SILVER BELL RD
 MASTER ID: T.E.

MATCH LINES
 TH 13 AT SILVER BELL RD
 AT CEDARVILLE BLVD IN
 EAGAN, DAKOTA COUNTY

S.A.P. NO. _____ DRAWN BY: _____ CKD BY: _____ DATE: _____
 CERTIFIED BY _____ LIC. NO. _____ DATE: _____
 STATE PROJ. NO. (T.H.13) SHEET NO. 2 OF 4 SHEETS