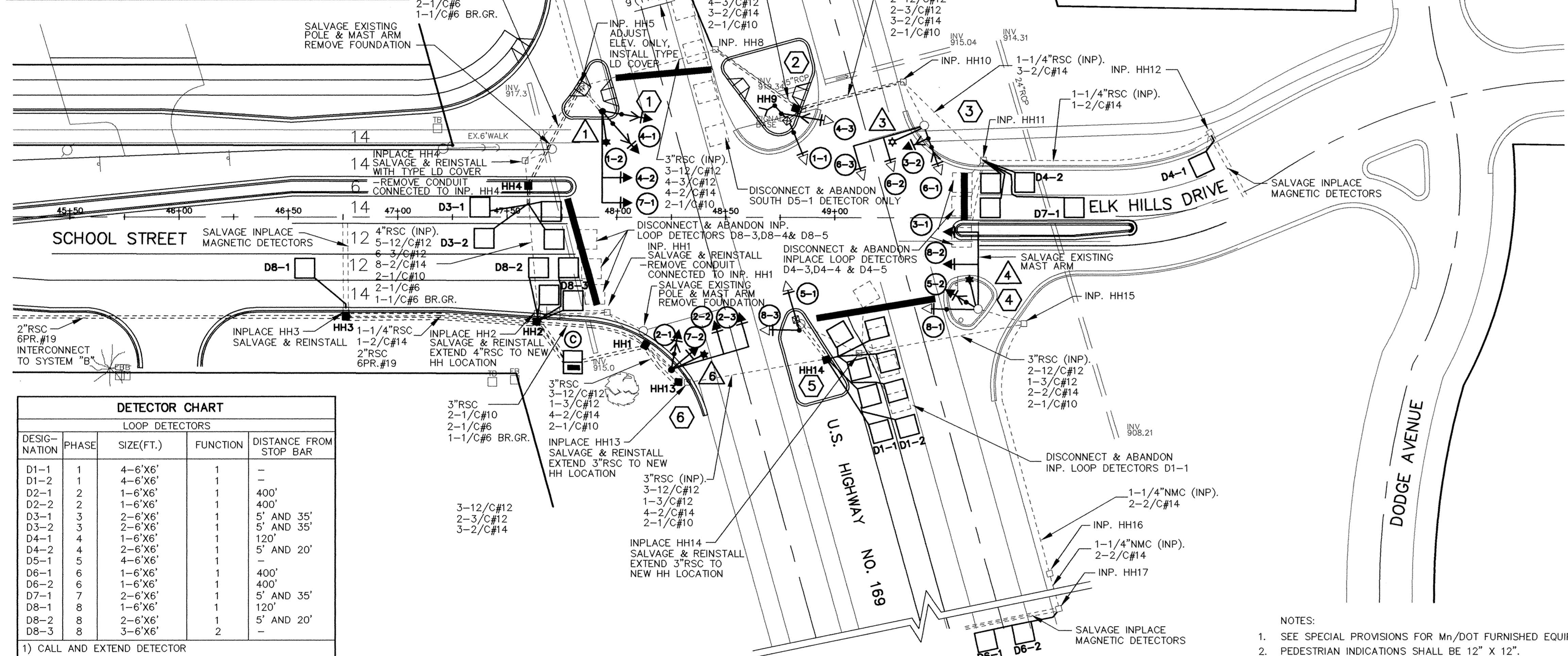
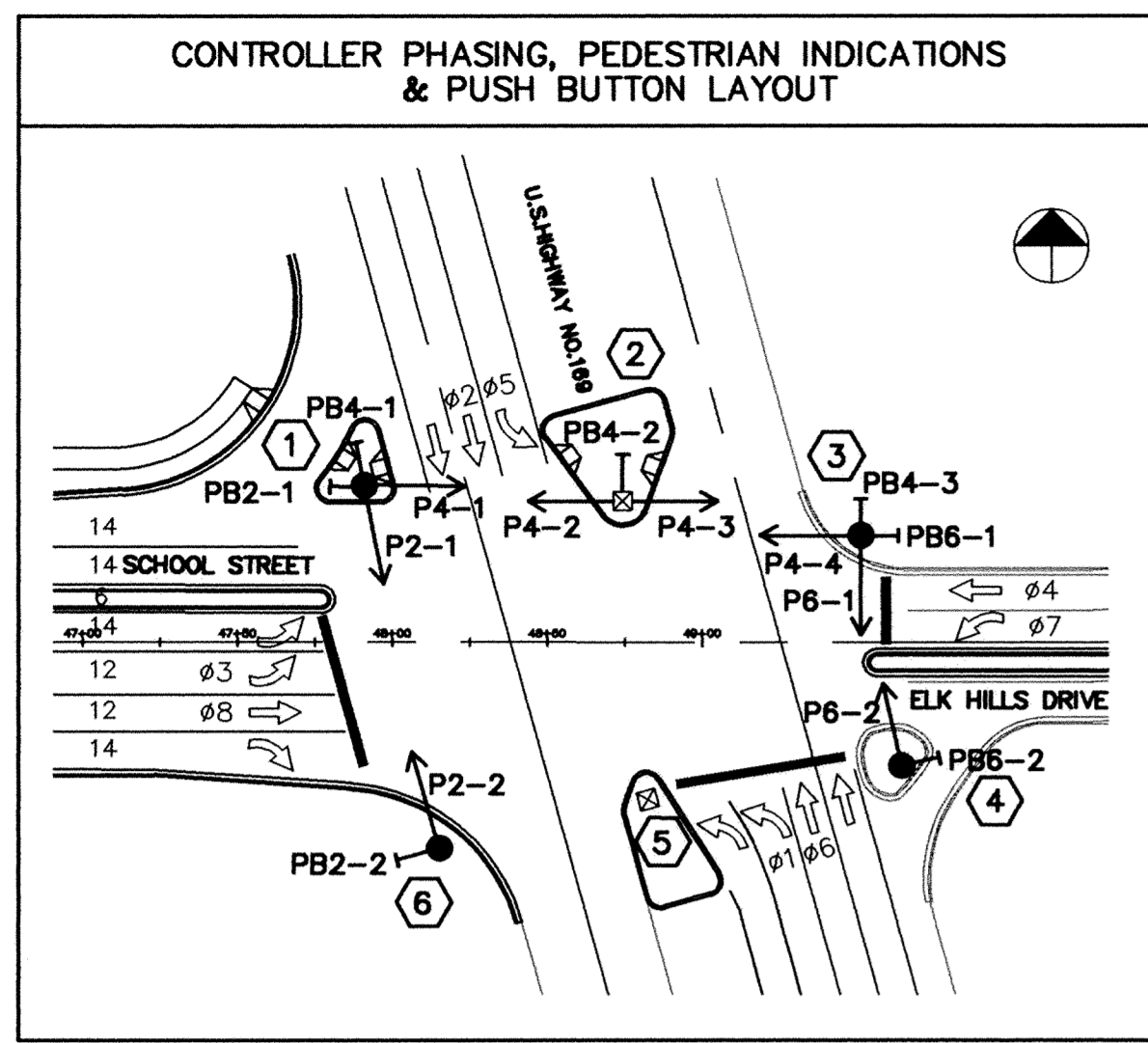


1	TYPE PA100-A-45-D40-9 1-ONE WAY SIGNAL (OVERHEAD), END MOUNTED 1-ONE WAY SIGNAL (OVERHEAD), MID MAST ARM MOUNTED 12' FROM END 2-TYPE 10B-POLE MOUNTED AT 0° AND 270° LUMINAIRE AT 350'-200 WATT HPS W/PEC/CH.SW. 2-PEDESTRIAN PUSH BUTTONS W/2-PEDESTRIAN INSTRUCTION SIGNS (R10-4C) EXTEND INTO INP. HH#5 : 3"RSC 2-12/C#12 2-3/C#12 2-1/C#10
2	TYPE 2D, INPLACE PEDESTAL POLE, BASE & FOUNDATION INPLACE 1-PEDESTRIAN PUSH BUTTON WITH PEDESTRIAN INSTRUCTION SIGN (R10-4C) EXTEND INTO HH#9 : 3"RSC 1-12/C#12 2-3/C#12
3	TYPE P90-A-35-D40-9, INPLACE 1-ONE WAY SIGNAL (OVERHEAD), END MOUNTED, INPLACE 1-ONE WAY SIGNAL (OVERHEAD), MID MAST ARM MOUNTED 11' FROM END, INPLACE 1-TYPE 20C-POLE MOUNTED AT 270° LUMINAIRE AT 350'-200 WATT HPS W/PEC/CH.SW. (INPLACE) 2-PEDESTRIAN PUSH BUTTONS W/2-PEDESTRIAN INSTRUCTION SIGNS (R10-4C) EXTEND INTO INP. HH#10 : 3"RSC (INP.) 2-12/C#12 2-3/C#12 2-1/C#10
4	TYPE P90-A-35-D40-9 1-ONE WAY SIGNAL (OVERHEAD), END MOUNTED 1-ONE WAY SIGNAL (OVERHEAD), MID MAST ARM MOUNTED 18' FROM END 1-TYPE 10B-POLE MOUNTED AT 0° 1-TYPE 10B, INPLACE-REMOVE EXISTING PED. HEAD. LUMINAIRE AT 350'-200 WATT HPS W/PEC/CH.SW. 1-PEDESTRIAN PUSH BUTTON WITH PEDESTRIAN INSTRUCTION SIGN (R10-4C) EXTEND INTO INP. HH#15 : 3"RSC (INP.) 2-12/C#12 1-3/C#12 2-1/C#10
5	TYPE 2A, INPLACE PEDESTAL POLE, BASE & FOUNDATION INPLACE EXTEND INTO HH#14 : 3"RSC 1-12/C#12
6	TYPE PA100-A-40-D40-9 1-ONE WAY SIGNAL (OVERHEAD), END MOUNTED 1-ONE WAY SIGNAL (OVERHEAD), MID MAST ARM MOUNTED 12' FROM END 1-TYPE 10A-POLE MOUNTED AT 0° 1-TYPE 10B-POLE MOUNTED AT 270° LUMINAIRE AT 350'-200 WATT HPS W/PEC/CH.SW. 1-PEDESTRIAN PUSH BUTTON WITH PEDESTRIAN INSTRUCTION SIGN (R10-4C) EXTEND INTO HH#1 : 3"RSC 2-12/C#12 1-3/C#12 4-1/C#10

Ⓒ EQUIPMENT PAD (SEE DETAIL)
CONTROLLER AND CABINET (SEE DETAIL)
EXTEND INTO HH1: 4"RSC; 5-12/C#12, 2-3/C#12, AND 4-2/C#14
EXTEND INTO HH2: 4"RSC; 5-12/C#12, 6-3/C#12, AND 11-2/C#14;
2"RSC; 6 PR. #19
PAD MOUNTED METER AND DISCONNECT
EXTEND INTO HH1 FROM DISCONNECT 1-1/4"RSC WITH 4-1/C#10,
2-1/C#6 AND 1-1/C#6 BR.GR.
DISCONNECT TO METER: 1-1/4"RSC WITH 3-1/C#6
DISCONNECT TO CABINET: 1-1/4"RSC WITH 2-1/C#6 AND 1-1/C#6
BR. GR.
EXTEND FROM METER: 2"RSC STUB OUT FOR POWER.

SIGNAL INDICATION CHART									
FACE	FLASH	PHASE	TYPE AND SIZE IN INCHES						
			R	Y	G	R	Y	G	
1-1	R	1	-	-	-	12	12	12	
1-2	R	1	-	-	-	12	12	12	
2-1	R	2	12	12	12	-	-	-	
2-2	R	2	12	12	12	-	-	-	
2-3	R	2	12	12	12	-	-	-	
3-1	R	3	-	-	-	12	12	12	
3-2	R	3	-	-	-	12	12	12	
4-1	R	4	12	12	12	-	-	-	
4-2	R	4	12	12	12	-	-	-	
5-1	R	5	-	-	-	12	12	12	
6-1	R	6	12	12	12	-	-	-	
6-2	R	6	12	12	12	-	-	-	
6-3	R	6	12	12	12	-	-	-	
7-1	R	7	-	-	-	12	12	12	
7-2	R	7	-	-	-	12	12	12	
8-1	R	8	12	12	12	-	-	-	
8-2	R	8	12	12	12	-	-	-	



DETECTOR CHART				
LOOP DETECTORS				
DESIGNATION	PHASE	SIZE (FT.)	FUNCTION	DISTANCE FROM STOP BAR
D1-1	1	4-6'x6'	1	-
D1-2	1	4-6'x6'	1	-
D2-1	2	1-6'x6'	1	400'
D2-2	2	1-6'x6'	1	400'
D3-1	3	2-6'x6'	1	5' AND 35'
D3-2	3	2-6'x6'	1	5' AND 35'
D4-1	4	1-6'x6'	1	120'
D4-2	4	2-6'x6'	1	5' AND 20'
D5-1	5	4-6'x6'	1	-
D6-1	6	1-6'x6'	1	400'
D6-2	6	1-6'x6'	1	400'
D7-1	7	2-6'x6'	1	5' AND 35'
D8-1	8	1-6'x6'	1	120'
D8-2	8	2-6'x6'	1	5' AND 20'
D8-3	8	3-6'x6'	2	-

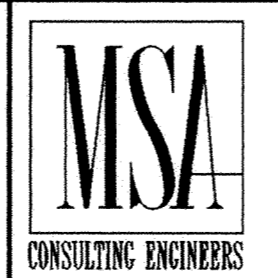
1) CALL AND EXTEND DETECTOR
2) DELAY CALL, IMMEDIATE EXTEND

LEGEND	
SIGNAL BASE NO.	2
SIGNAL FACE NO.	8-1
CONTROLLER AND CABINET	[Symbol]
HANDHOLE	[Symbol]
RIGID STEEL CONDUIT (RSC)	=====
SIGNAL FACE WITH BACKGROUND SHIELD	[Symbol]
PEDESTRIAN INDICATIONS	[Symbol]
PEDESTRIAN PUSH BUTTON ON POLE	[Symbol]
TRAFFIC SIGNAL POLE AND MAST ARM	[Symbol]
MAST ARM AND LUMINAIRE	[Symbol]
SOURCE OF POWER	[Symbol]
PEDESTRIAN CROSSING STRIPING	[Symbol]

- NOTES:
- SEE SPECIAL PROVISIONS FOR Mn/DOT FURNISHED EQUIPMENT.
 - PEDESTRIAN INDICATIONS SHALL BE 12" X 12".
 - ALL SIGNAL FACES SHALL HAVE BACKGROUND SHIELDS.
 - ALL HANDHOLES SHALL BE PVC HANDHOLES WITH TYPE C COVERS, EXCEPT ALL HANDHOLES LOCATED IN SIDEWALKS, MEDIANS OR OTHER PAVED SURFACES SHALL HAVE TYPE LD COVERS.
 - EACH LUMINAIRE SHALL HAVE A PHOTO-ELECTRIC CELL AND CHECK SWITCH.
 - WHERE INDICATED, THE CONTRACTOR SHALL ADJUST EXISTING HANDHOLES TO THE ELEVATION OF THE NEW SURFACE AS DIRECTED BY THE ENGINEER.
 - EXISTING MAST ARM SIGNING SHALL BE SALVAGED AND REINSTALLED ON NEW MAST ARMS IN CORRESPONDING LOCATIONS, AS DIRECTED BY THE ENGINEER.
 - RELOCATE EXISTING GUARDPOSTS IN T.H.169 MEDIAN AS DIRECTED BY THE ENGINEER.

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
George M. Stumply
DATE 4/19/94 REG. NO. 18725

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
George M. Stumply
DATE 4/19/94 REG. NO. 21849



1326 ENERGY PARK DRIVE
ST. PAUL, MINNESOTA 55108
(612) 644-4389

9800 SHELARD PARKWAY
MINNEAPOLIS, MINNESOTA 55441
(612) 546-0432

DATE	DESCRIPTION	DESIGNED	GMS
6-13-94	WANDOT COMMENTS	CHECKED	
		DRAWN	MRF

GRAPHIC SCALE
0 HORIZ. 30
0 VERT. 5

RECORD PLAN 1995
CITY OF ELK RIVER
INTERSECTION LAYOUT
SYSTEM "C"
T.H. 169 AT SCHOOL STREET
S.A.P. 204-010-02/204-107-04
DATE APRIL 1994 SHEET 63 OF 74 SHEETS PROJECT NO. 230-216