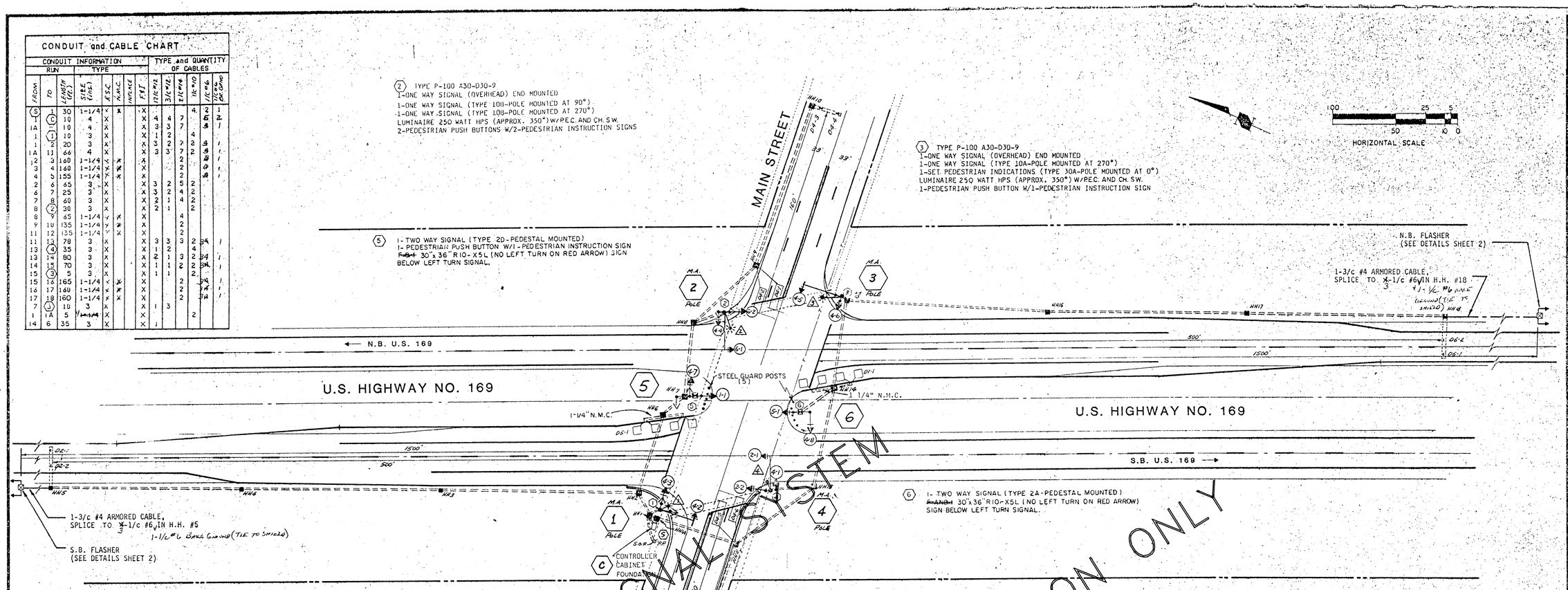
CONDUIT and CABLE CHART

CONDUIT INFORMATION RUN FROM	TO	LENGTH (FT.)	TYPE SIZE (INS.)	TYPE R.S.C.	TYPE R.N.C.	TYPE W.P.E.C.	TYPE F.S.T.	TYPE and QUANTITY OF CABLES 12/C #12	3/C #12	2/C #14	1/C #10	1/C #6	1/C #6 BR. GRND
5	1	30	1-1/4	X	X		X				4	2	1
T	C	10	4	X			X	4	4	7		6	2
1A	C	10	4	X			X	3	3	7		3	1
1	1	10	3	X			X	1	2		4		
1	2	20	3	X			X	3	2	7	2	3	1
1A	11	66	4	X			X	3	3	7	2	3	1
12	3	160	1-1/4	X	X		X			2		3	1
3	4	160	1-1/4	X	X		X			2		3	1
4	5	155	1-1/4	X	X		X			2		3	1
2	6	65	3	X			X	3	2	5	2		
6	7	25	3	X			X	3	2	4	2		
7	8	60	3	X			X	2	1	4	2		
8	2	30	3	X			X	2	1		2		
8	9	65	1-1/4	X	X		X			4			
9	10	135	1-1/4	X	X		X			2			
11	12	135	1-1/4	X	X		X			2			
11	13	78	3	X			X	3	3	3	2	3	1
13	4	35	3	X			X	1	2		4		
13	14	80	3	X			X	2	1	3	2	3	1
14	15	70	3	X			X	1	1	2	2	3	1
15	3	5	3	X			X	1	1		2		
15	16	165	1-1/4	X	X		X			2		3	1
16	17	160	1-1/4	X	X		X			2		3	1
17	18	160	1-1/4	X	X		X			2		3	1
7	3	10	3	X			X	1	3				
1	1A	5	~~1-1/4~~	X			X				2		
14	6	35	3	X			X	1					



(2) TYPE P-100 A30-D30-9
1-ONE WAY SIGNAL (OVERHEAD) END MOUNTED
1-ONE WAY SIGNAL (TYPE 10B-POLE MOUNTED AT 90°)
1-ONE WAY SIGNAL (TYPE 10B-POLE MOUNTED AT 270°)
LUMINAIRE 250 WATT HPS (APPROX. 350°) W/P.E.C. AND CH. S.W.
2-PEDESTRIAN PUSH BUTTONS W/2-PEDESTRIAN INSTRUCTION SIGNS

(3) TYPE P-100 A30-D30-9
1-ONE WAY SIGNAL (OVERHEAD) END MOUNTED
1-ONE WAY SIGNAL (TYPE 10A-POLE MOUNTED AT 270°)
1-SET PEDESTRIAN INDICATIONS (TYPE 30A-POLE MOUNTED AT 0°)
LUMINAIRE 250 WATT HPS (APPROX. 350°) W/P.E.C. AND CH. S.W.
1-PEDESTRIAN PUSH BUTTON W/1-PEDESTRIAN INSTRUCTION SIGN

(5) 1-TWO WAY SIGNAL (TYPE 2D-PEDESTAL MOUNTED)
1-PEDESTRIAN PUSH BUTTON W/1-PEDESTRIAN INSTRUCTION SIGN
~~FOR~~ 30"x36" R10-X5L (NO LEFT TURN ON RED ARROW) SIGN BELOW LEFT TURN SIGNAL.

(6) 1-TWO WAY SIGNAL (TYPE 2A-PEDESTAL MOUNTED)
~~FOR~~ 30"x36" R10-X5L (NO LEFT TURN ON RED ARROW) SIGN BELOW LEFT TURN SIGNAL.

(1) TYPE P-100 A30-D30-9
1-ONE WAY SIGNAL (OVERHEAD) END MOUNTED
1-ONE WAY SIGNAL (TYPE 10B-POLE MOUNTED AT 270°)
1-SET PEDESTRIAN INDICATIONS (TYPE 30A-POLE MOUNTED AT 0°)
LUMINAIRE 250 WATT HPS (APPROX. 350°) W/P.E.C. AND CH. S.W.
2-PEDESTRIAN PUSH BUTTONS W/2-PEDESTRIAN INSTRUCTION SIGNS

(4) TYPE P-100 A30-D30-9
1-ONE WAY SIGNAL (OVERHEAD) END MOUNTED
1-ONE WAY SIGNAL (OVERHEAD) MID MAST ARM MOUNTED
1-ONE WAY SIGNAL (TYPE 10A-POLE MOUNTED AT 90°)
1-ONE WAY SIGNAL (TYPE 10B-POLE MOUNTED AT 270°)
LUMINAIRE 250 WATT HPS (APPROX. 350°) W/P.E.C. AND CH. S.W.
1-PEDESTRIAN PUSH BUTTON W/1-PEDESTRIAN INSTRUCTION SIGN

(6) WOOD POWER POLE IN PLACE
2-1/4" R.S.C. RISER AND WEATHERHEAD SERVICE EQUIPMENT
3-1/C #6 ABOVE METER EXTEND INTO H.H.1: 1-1/4" R.S.C.
2-1/C #6
1-1/C #6 BR.G.D.
4-1/C #10

DETECTOR CHART

Loop Detectors Designation	Phase	Size (ft.)	Final Size Const.
D1-1	1	~~6'x6'~~ Mult.	
D2-1	2	Magnetic	
D2-2	2	Magnetic	
D4-1	4	6'x20'	
D4-2	4	6'x20'	
D4-3	4	Magnetic	
D4-4	4	Magnetic	
D4-5	4	6'x20'	
D4-6	4	6'x20'	
D4-7	4	Magnetic	
D4-8	4	Magnetic	
D5-1	5	~~6'x6'~~ Mult.	
D6-1	6	Magnetic	
D6-2	6	Magnetic	

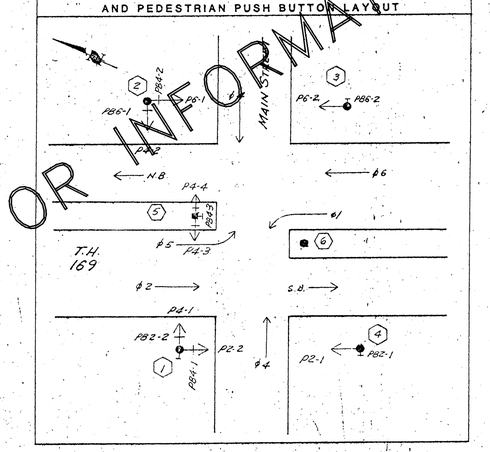
All Detectors Are Call & Extend

SIGNAL INDICATION CHART

Pole No.	Signal Face	Phase (Ø)	Flash	Indication Size (Inches) R	Y	G	R	Y	G	Public Pedestrian
5	1-1	1	R	-	-	-	12	12	12	X
4	2-1	2	Y	12	12	12	-	-	-	X
4	2-2	2	Y	12	12	12	-	-	-	X
4	4-1	4	R	12	12	12	-	-	-	X
* 1	4-2	4	R	12	12	12	-	-	-	X
* 1	4-3	4	R	12	12	12	-	-	-	X
2	4-4	4	R	12	12	12	-	-	-	X
* 3	4-5	4	R	12	12	12	-	-	-	X
* 3	4-6	4	R	12	12	12	-	-	-	X
5	4-7	4	R	12	12	12	-	-	-	X
6	4-8	4	R	12	12	12	-	-	-	X
6	5-1	5	R	-	-	-	12	12	12	X
2	6-1	6	Y	12	12	12	-	-	-	X
2	6-2	6	Y	12	12	12	-	-	-	X

NOTE: ALL SIGNAL HEADS SHALL HAVE BACKPLATE SHIELDS
* SPECIAL SIGNAL FACE

SIGNAL PHASING, PEDESTRIAN INDICATION AND PEDESTRIAN PUSH BUTTON LAYOUT



NOTE:

(1) SEE SPECIAL PROVISIONS FOR DEPARTMENT FURNISHED EQUIPMENT
(2) REMOVE AND SALVAGE EXISTING TEMPORARY FLASHING BEACON SYSTEM AND DELIVER TO MN/DOT AT THE JOB SITE.
(3) 1-1/C NO. 6 BARE GROUND FROM SERVICE EQUIPMENT TO H.H.1. TO CONTROLLER CABINET ~~TO~~ BE CONTINUOUS
(4) SERVICE EQUIPMENT SEE SPECIAL PROVISIONS
(5) PEDESTRIAN INDICATIONS SHALL BE 12"X12"
(6) PAVEMENT MARKINGS, LANE CONTROL SIGNS, STREET IMPROVEMENTS & SIDEWALKS TO BE INSTALLED BY OTHERS
(7) EXTEND 3" R.S.C. FROM EACH MAST ARM AND PEDESTAL FOUNDATION TO ADJACENT H.H.
(8) "NO PED X-ING" SIGNS TO BE F AND I BY OTHERS.
(9) 1-1/C #6 BARE GROUND FROM SPLICE TO ARMORED CABLE SHIELD IN H.H. #18 TO CONTROLLER CABINET SHALL BE CONTINUOUS; & FROM SPLICE TO A.C.S. IN H.H. #18 TO CONTROLLER CABINET SHALL BE CONTINUOUS.

INTERSECTION LAYOUT

JCT.T.H.169 AND MAIN STREET

IN ELK RIVER

RECORD PLAN
JUNE 1994

I.D. NO. 7102016 9 # 159043 #

STATE PROJ.NO. 7106-42 S.A.P.NO.204-113-02

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 State of Minn. Statutes Sections 326.02 to 326.16.
Date 10/17/83 Minn. Reg. No. 12651

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REVISIONS
SCALE HORIZ. 1"=40' VERT. —
DESIGNED BY
CHECKED BY
DRAWN BY

CITY OF ELK RIVER
SIGNAL SYSTEM INTERSECTION LAYOUT PLAN

BK. LOOSE PG. LEAF DATE Sept. 83 SHEET 12 OF 17 SHEETS FILE NO. ER 314.02

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER MAINS.92 12

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