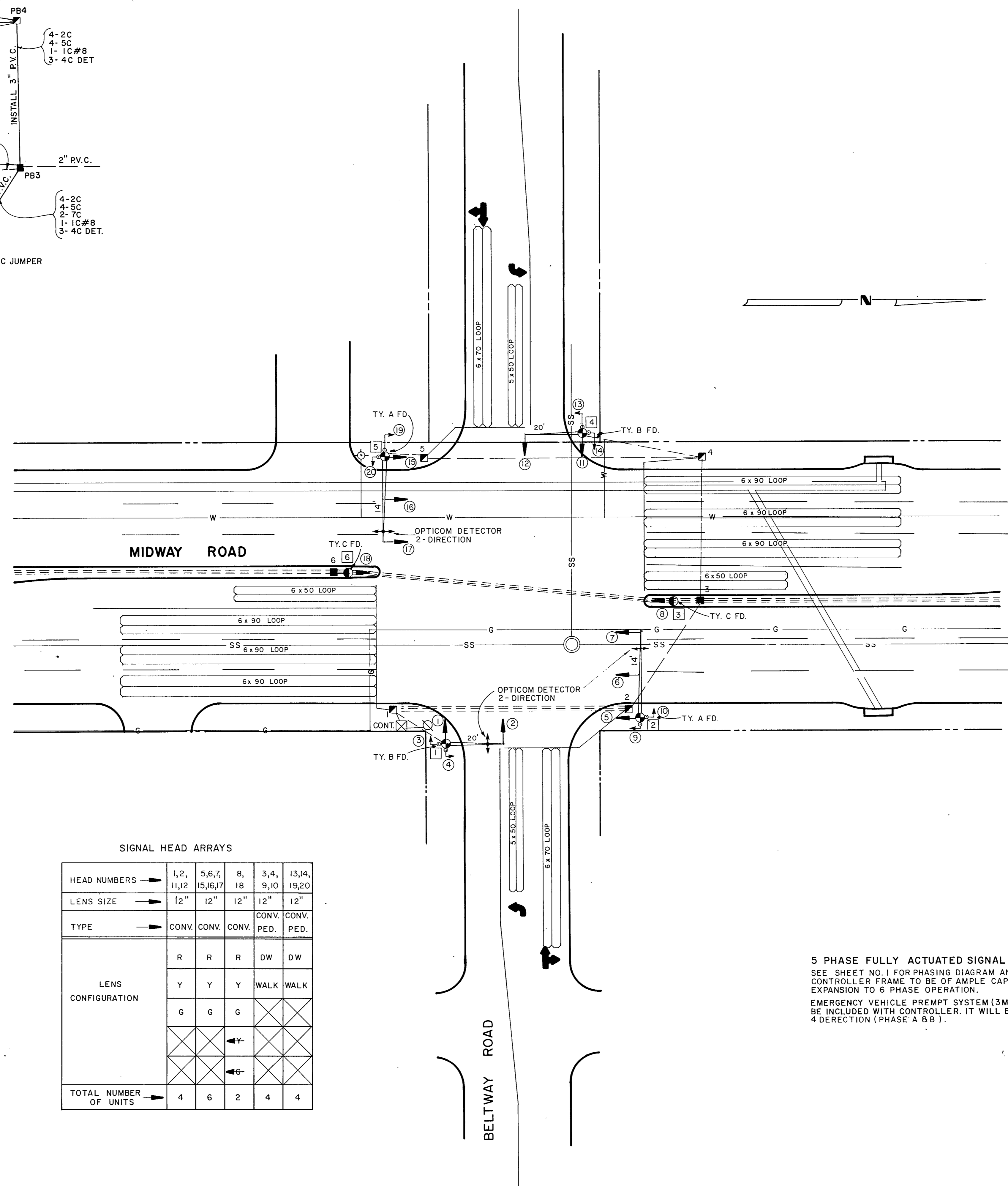


WIRING DIAGRAM
(CONDUIT AND PULL BOX EXIST WHERE INDICATED)



CONDUIT & CABLE QUANTITIES

FROM	TO	DISTANCE	PVC CONDUIT TRENCH P-PUSHED	CABLE							
				SWITCHING	DETECTOR		GRD. LOOP	PWR.			
				5C	7C (PED)	2C	4C	1C #8	1C #12	3C #8	
⊗	PB1	10'	3"-15'	160	40	160	120	40	1690		
	PB1	25'	2"-25'	90		70		30			
	PB1	80'	E	540	180	540	360	85	760		
	PB2	2	5' 2"-5'	50'		30		20			
	PB2	PB3	45' 3"-45'	220	110	220	165	50			
	PB3	3	10'			30		45			
	PB3	PB6	130'	E		140		135			
	PB6	6	5'	E		25		10			
	PB3	PB4	50' 3"-50'	240		240	180	55	1740		
	PB4	4	40' 2"-40'	120		100		90			
	PB4	PB5	100' 3"-60' 3"-40'	220		220	110	105	780		
	PB5	5	10' 2"-10'	60		40		15			
	⊗	⊗	10' 1"-10'							50	
	(JUMPERS)			210							
TOTALS				1910	525	1620		935	680	4970	50

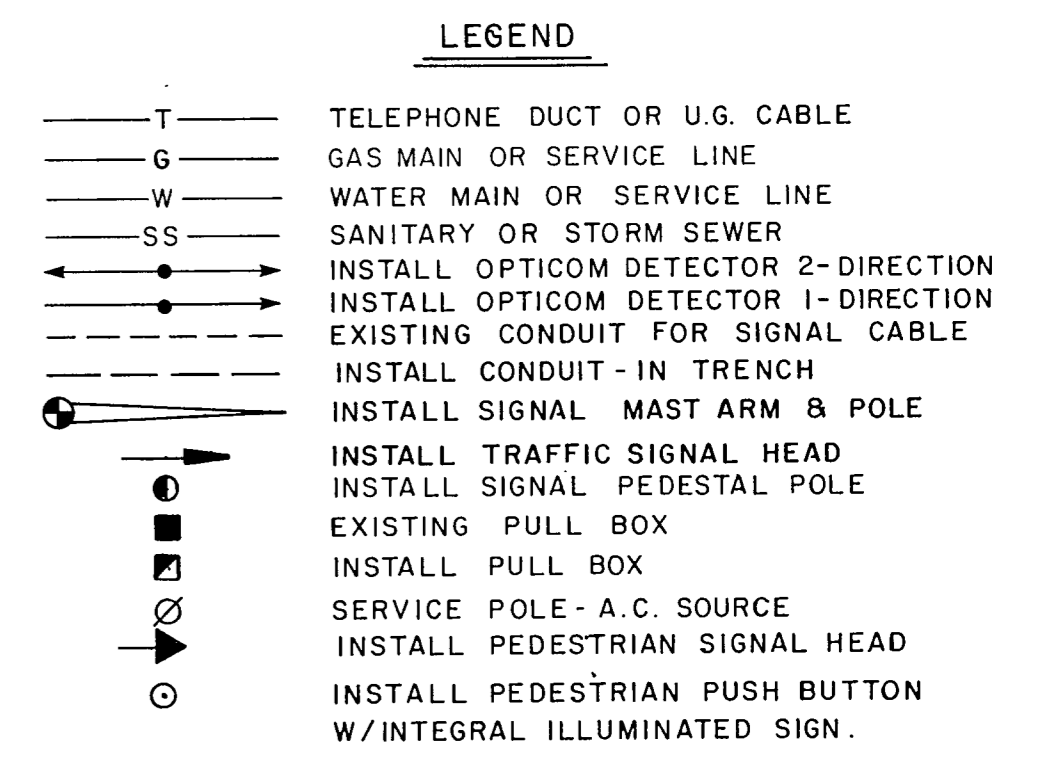
E = EXISTING

SIGNAL HEAD ARRAYS

HEAD NUMBERS	1,2, 11,12	5,6,7, 15,16,17	8, 18	3,4, 9,10	13,14, 19,20
LENS SIZE	12"	12"	12"	12"	12"
TYPE	CONV.	CONV.	CONV.	CONV. PED.	CONV. PED.
LENS CONFIGURATION	R	R	R	DW	DW
	Y	Y	Y	WALK	WALK
	G	G	G		
TOTAL NUMBER OF UNITS	4	6	2	4	4

QUANTITIES

ITEM	UNIT	QUAN.
PULL BOX	EA.	4
CONDUIT:		
1" INCH P.V.C. IN TRENCH	L.F.	10
2" INCH P.V.C. IN TRENCH	L.F.	80
3" INCH P.V.C. IN TRENCH	L.F.	55
3" INCH P.V.C. PUSHED	L.F.	155
PEDESTRIAN PUSH BUTTON	PR.	4
CABLE-WIRE:		
5 CONDUCTOR #12	L.F.	1910
7 CONDUCTOR #12	L.F.	525
2 CONDUCTOR #12 (PED. DET.)	L.F.	1620
4 CONDUCTOR (DETECTOR)	L.F.	935
1 CONDUCTOR #8 (GROUND)	L.F.	680
XHHW DETECTOR LOOP	L.F.	4970
3 CONDUCTOR #8 POWER	L.F.	50
FOUNDATIONS:		
CONTROLLER (IN-PLACE)	EA.	1
TYPE A	EA.	2
TYPE B	EA.	2
TYPE C	EA.	2
POLES:		
SIGNAL PEDESTAL	EA.	2
MAST ARM POLE W/20' ARM	EA.	2
MAST ARM POLE W/30' ARM	EA.	2
SIGNAL HEADS:		
5 SECTION - 12" LENS	EA.	2
3 SECTION - 12" LENS	EA.	10
2 SECTION - 12" PEDESTRIAN	EA.	8
POWER SUPPLY ASSEMBLY	EA.	1
LOOP DETECTOR AMPLIFIER	EA.	12



5 PHASE FULLY ACTUATED SIGNAL CONTROL
SEE SHEET NO. 1 FOR PHASING DIAGRAM AND INTERVAL CHART.
CONTROLLER FRAME TO BE OF AMPLE CAPACITY FOR FUTURE EXPANSION TO 6 PHASE OPERATION.
EMERGENCY VEHICLE PREMPT SYSTEM (3M-OPTICOM) WILL BE INCLUDED WITH CONTROLLER. IT WILL BE DETECTED FROM 4 DIRECTION (PHASE A & B).

CITY OF ADDISON
DALLAS COUNTY, TEXAS

TRAFFIC SIGNAL INSTALLATIONS
MIDWAY ROAD AND BELTWAY ROAD

GINN, INC.
Consulting Engineers Dallas, Texas

DESIGNED-H.J. DRAWN-S.M.M. DATE: JOB No. J188
APPROVED-H.W.G. CHECKED-A.G.F. SCALE-1"=20' SHEET 8 OF 14