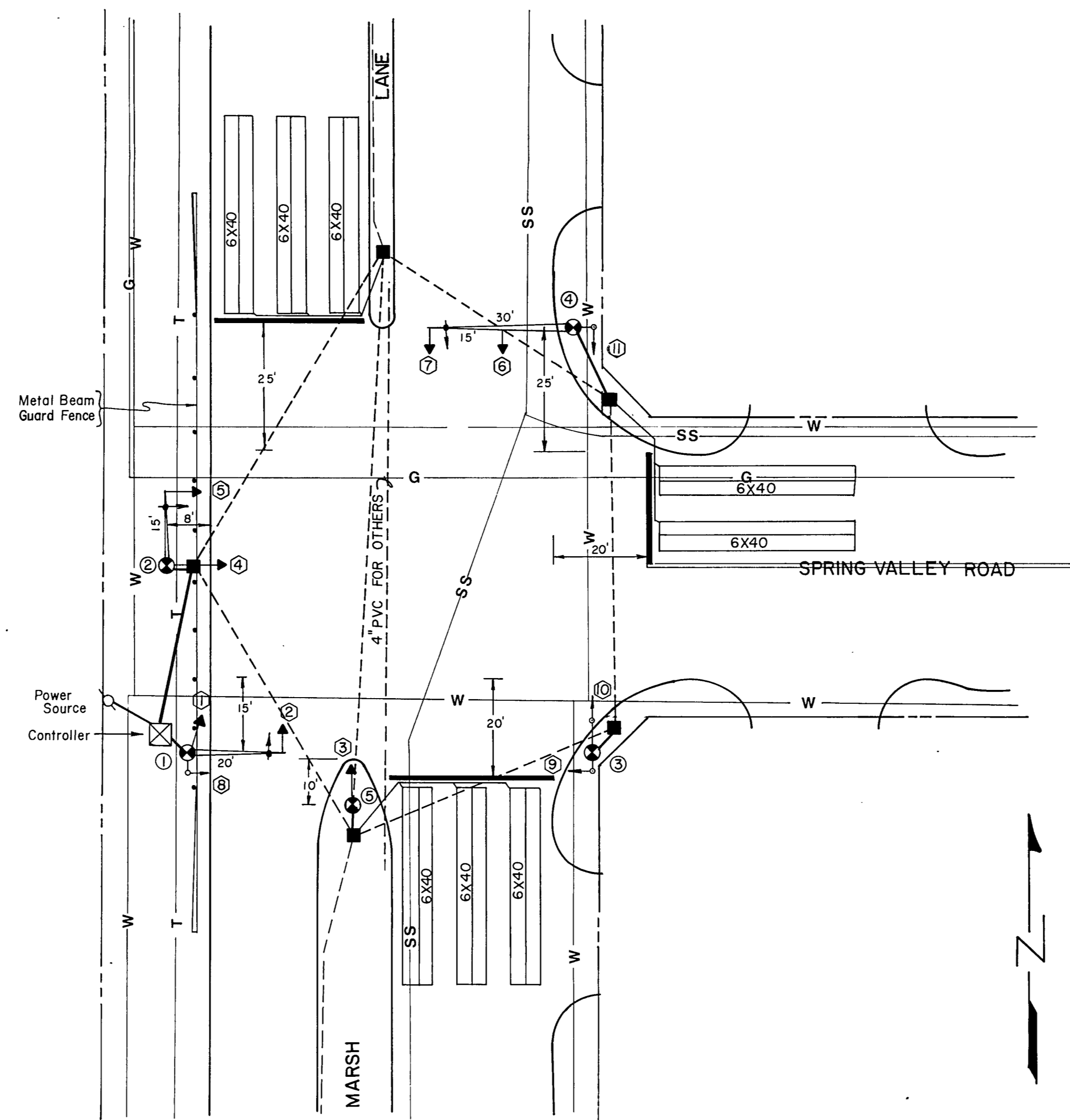


PVC & WIRING DIAGRAM



CONDUIT & CABLE QUANTITIES

FROM	TO	DISTANCE	PVC CONDUIT TRENCH P-PUSHED	CABLE									
				SWITCHING 5C	7C	20C	2C PED	2C DET	1C #8	1C #12	3C #8	POWER	
☐	☒	10'	1-1" T-25										45
☒	①	5'	1-3" T-15	15					15				
☒	PB1	30'	2-3" T-35	70	35	105	280	35					
PB1	②	5'	1-3" T-10	10					20				
PB1	PB2	60'	---	65	65	195	325	65	724				
PB2	③	5'	1-3" T-10	10					20				
PB2	PB3	55'	---		60	180	120	60					
PB3	④	5'	1-3" T-10	10	10	30			20				
PB3	PB4	65'	---	70	70	140	70	480					
PB4	⑤	15'	1-3" T-20	20		25		20					
PB1	PB5	75'	---					240	735				
TOTAL				270	170	605	1105	325	1939	45			

SIGNAL ARRAYS

HEAD NUMBERS	1,2 6,7	4	3	5	8,9 10,11
LENS SIZE	12"	12"	12"	12"	*
TYPE	Conv.	Conv.	Conv.	Conv.	Ped.
LENS CONFIGURATION	R	R	R	R	DW
	Y	Y	Y	Y	WALK
	G	G	G	G	
Total Number of Units	4	1	1	1	4

**QUANTITIES**

ITEM	DESCRIPTION	UNIT	QUANT.
<b>CONDUIT:</b>			
	1-3" PVC TRENCH	LF	65
	1-3" PVC PUSH		-
	2-3" PVC TRENCH		35
	3-3" PVC TRENCH		-
	1-2" PVC TRENCH		-
	1-1" PVC TRENCH	LF	25
	<b>PULL BOX</b>	EA	-
<b>CABLE WIRE</b>			
	5 CONDUCTOR #12	LF	-
	7 " #12		270
	20 " #12		170
	2 " #12 (PED. DET)		605
	2 " SHIELDED LOOP LEAD		1105
	1 " #8 GROUND		325
	3 " #8 POWER		45
	<b>LOOP WIRE #12 XHHW</b>	LF	1935
	<b>PEDESTRIAN PUSH BUTTON</b>	PR	2
	<b>3-M OPTICOM DETECTOR</b>	EA	3
	<b>LOOP DETECTOR AMPLIFIER</b>	EA	8
<b>FOUNDATIONS:</b>			
	SIGNAL CONTROLLER	EA	1
	TYPE A POLES	EA	1
	TYPE B "	EA	2
	TYPE C "	EA	2
<b>POLES:</b>			
	PEDESTAL	EA	2
	MAST ARM ASSEMBLY w/15' ARM		1
	" w/20' ARM		1
	" w/30' ARM		1
	" w/35' ARM		-
	4 SECTION 12" SIGNAL HEAD w/1 DUAL ARROW	EA	2
	3 SECTION 12" SIGNAL HEAD		5
	1 PEDESTRIAN HEAD	EA	4
	<b>CONTROLLER - 4 PHASE FULLY ACTUATED</b>		
	w/3M OPTICOM PRE-EMPT	EA	1
	<b>POWER SUPPLY</b>	EA	1
	12" PLASTIC STOP BAR (60mil.)	LF	90
	RETRO-REFLECTIVE	LS	

- ① → 30' INSTALL SIGNAL MAST ARM & POLE
- ① → INSTALL TRAFFIC SIGNAL HEAD
- ① → INSTALL PEDESTRIAN BUTTON
- → INSTALL OPTICOM DETECTOR ONE-DIRECTION
- INSTALL SIGNAL PULL BOX
- EXISTING SIGNAL PULL BOX
- INSTALL CONTROLLER & FOUNDATION
- ⊙ POWER POLE - SERVICE SOURCE
- INSTALL PEDESTRIAN SIGNAL POLE
- INSTALL PVC CONDUIT
- - - EXISTING PVC CONDUIT
- W-SS-T-G- EXISTING U.G. UTILITES - WATER - SAN. SEW. - TEL. - GAS
- ||||| STORM SEWER

\* One Section Pedestrian Head (WINKO-MATIC Model V1-2L-AG or Equal)  
 \*\* Dual Arrow Fiber Optics - Amber/Green Arrow (WINKO-MATIC Model AFO-12 or Equal)

UNDER CONTRACT BY  
**H. B. JONES**  
 Consulting Engineers Garland, Texas

*H. B. Jones*

No.	Revision	By	Date
CITIES OF ADDISON & FARMERS BRANCH DALLAS COUNTY, TEXAS			
<b>TRAFFIC SIGNAL INSTALLATION</b>			
INTERSECTION LAYOUT SPRING VALLEY ROAD AND MARSH LANE			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - H.B.J.	Drawn - R.G.B.	Date - 9-83	Job No. -
Approved - H.B.J.	Checked - H.B.J.	Scale - 1" = 20'	Sheet 4 of 14