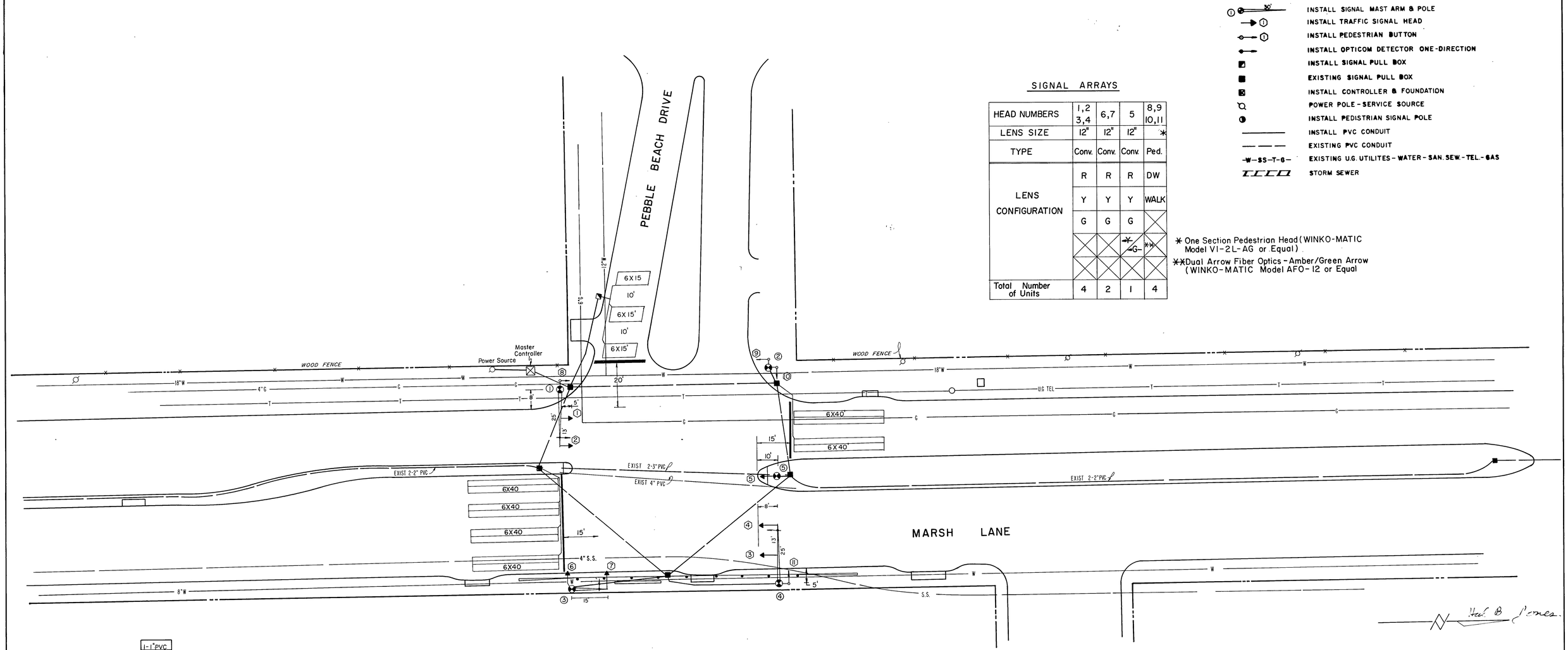


SIGNAL ARRAYS

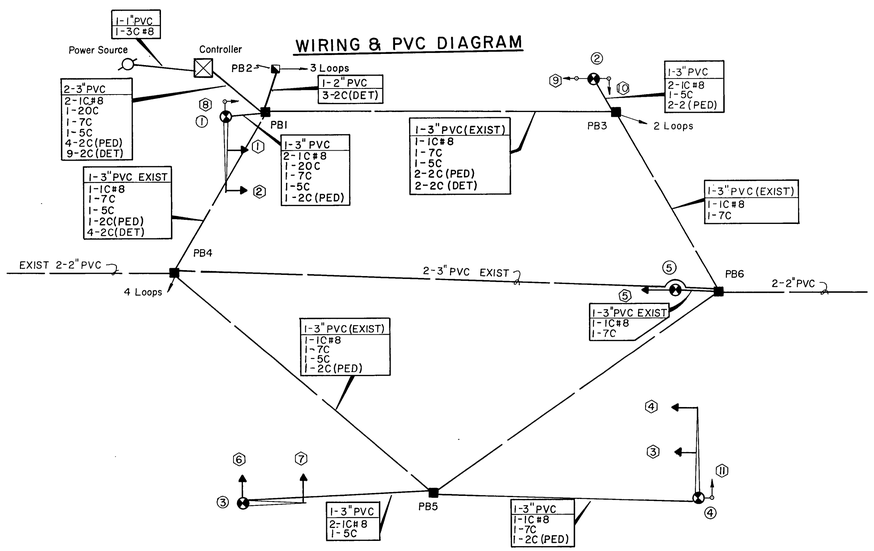
HEAD NUMBERS	1,2 3,4	6,7	5	8,9 10,11
LENS SIZE	12"	12"	12"	*
TYPE	Conv.	Conv.	Conv.	Ped.
LENS CONFIGURATION	R	R	R	DW
	Y	Y	Y	WALK
	G	G	G	
			←Y / ←G-	**
Total Number of Units	4	2	1	4

* 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

- INSTALL SIGNAL MAST ARM & POLE
- INSTALL TRAFFIC SIGNAL HEAD
- 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
- EXISTING U.G. UTILITES - WATER - SAN. SEW. - TEL. - GAS
- STORM SEWER

WIRING & PVC DIAGRAM



CONDUIT & CABLE QUANTITIES

FROM	TO	DISTANCE	PVC CONDUIT T-TRENCH P-PUSHED	CABLE SWITCHING 5C	7C	20C	DETECTOR 2C PED	2C DET	GRD. 1C #8	LOOP 1C #12	POWER 3C #8
⌀	⊠	15'	1-1"T-30'								55
⊠	PB1	15	2-3"T-20'	30	30	30	120	270	60		
PB1	PB2	40'	1-2"P-15' 1-2"T-25'					135		250	
PB1	(1)	5'	1-3"T-10'	10'	10'	10'	15'	20'			
PB1	PB3	90'	——	95	95		190	190	95	484	
PB3	(2)	5'	1-3"T-10'	10			30		20		
PB3	PB6	40'	——		45				45		
PB6	(5)	5'	1-3"T-10'		10				10'		
PB1	PB4	40'	——	45	45		45	180	45	1014	
PB4	PB5	75'	——	80	80		80		80		
PB5	(3)	40	1-3"T-45'	45					90		
PB5	(4)	50'	1-3"T-55'		55		60		55		
TOTALS				315	370	40	540	795	500	1748	55

QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANT.
	CONDUIT:		
	1-3" PVC TRENCH	LF	130
	1-3" PVC PUSH		—
	2-3" PVC TRENCH		20
	3-3" PVC TRENCH		—
	1-2" PVC TRENCH		25
	1-1" PVC TRENCH	LF	30
	1-2" PVC PUSH	LF	15
	PULL BOX	EA	1
	CABLE WIRE		
	5 CONDUCTOR #12	LF	315
	7 " #12		370
	20 " #12		40
	2 " #12 (PED. & DET)		540
	2 " SHIELDED LOOP LEAD		795
	1 " #8 GROUND		500
	3 " #8 POWER		55
	LOOP WIRE #12 XHHW	LF	1748
	PEDESTRIAN PUSH BUTTON	PR	2
	3-M OPTICOM DETECTOR	EA	3
	LOOP DETECTOR AMPLIFIER	EA	9
	FOUNDATIONS:		
	SIGNAL CONTROLLER	EA	1
	TYPE A POLES	EA	—
	TYPE B "	EA	3
	TYPE C "	EA	2

	POLES:		
	PEDESTAL	EA	2
	MAST ARM ASSEMBLEY w/15' ARM		1
	" w/25' ARM		2
	" w/30' ARM	EA	—
	" w/35' ARM		—
	4 SECTION 12" SIGNAL HEAD w/1 DUAL ARROW		1
	3 SECTION 12" SIGNAL HEAD		6
	1 " PEDESTRIAN HEAD	EA	4
	CONTROLLER-4 PHASE FULLY ACTUATED w/3M OPTICOM PRE-EMPT	EA	1
	POWER SUPPLY	EA	1
	12" PLASTIC STOP BAR (60 mil.)		
	RETRO-REFLECTIVE	LF	95
	REMOVE EXIST SPAN WIRE CONTROLLER	LS	—

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

No	Revision	By	Date

CITIES OF ADDISON & FARMERS BRANCH
DALLAS COUNTY, TEXAS

TRAFFIC SIGNAL INSTALLATION

INTERSECTION LAYOUT

MARSH LANE AND PEBBLE BEACH DR.

GINN, INC.
Consulting Engineers Dallas, Texas

DESIGN H.B.J.	DRAWN R.G.B.	SCALE 1"=20'	PROJ.
APPR'D H.W.G.	CHK'D H.B.J.	DATE SEPT. 1983	SHEET 5 of 14