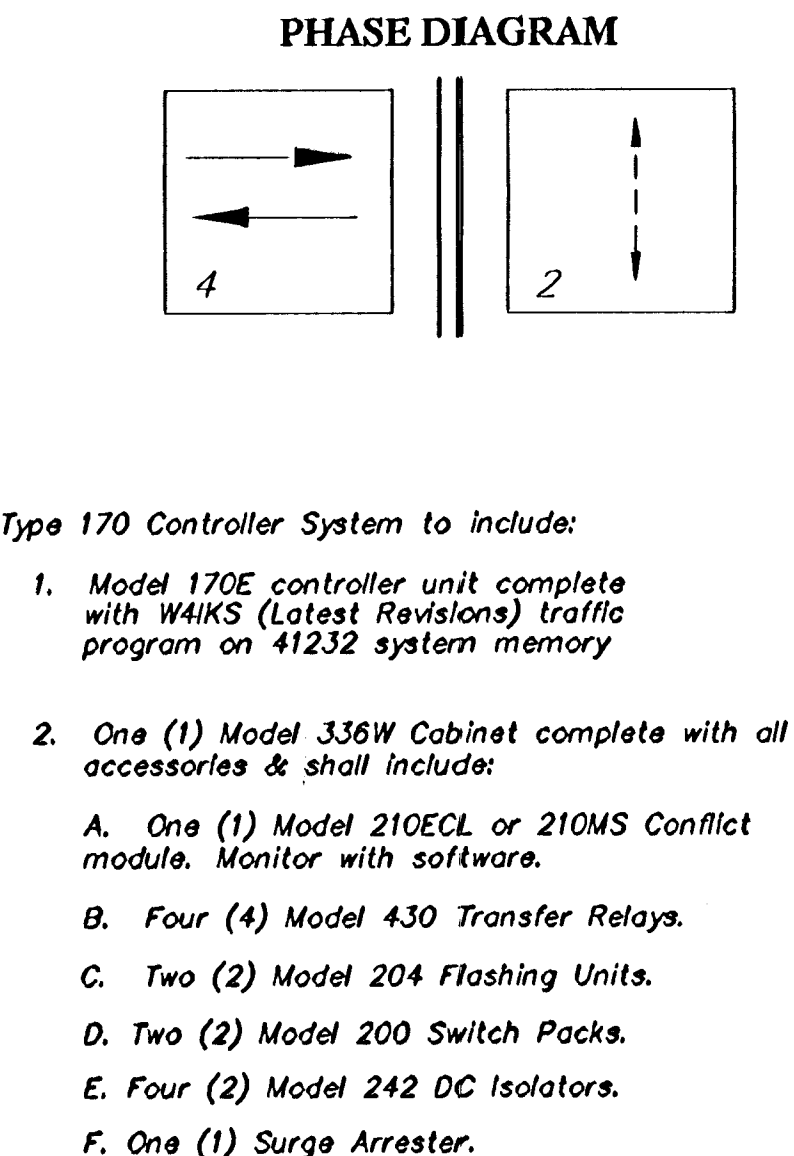
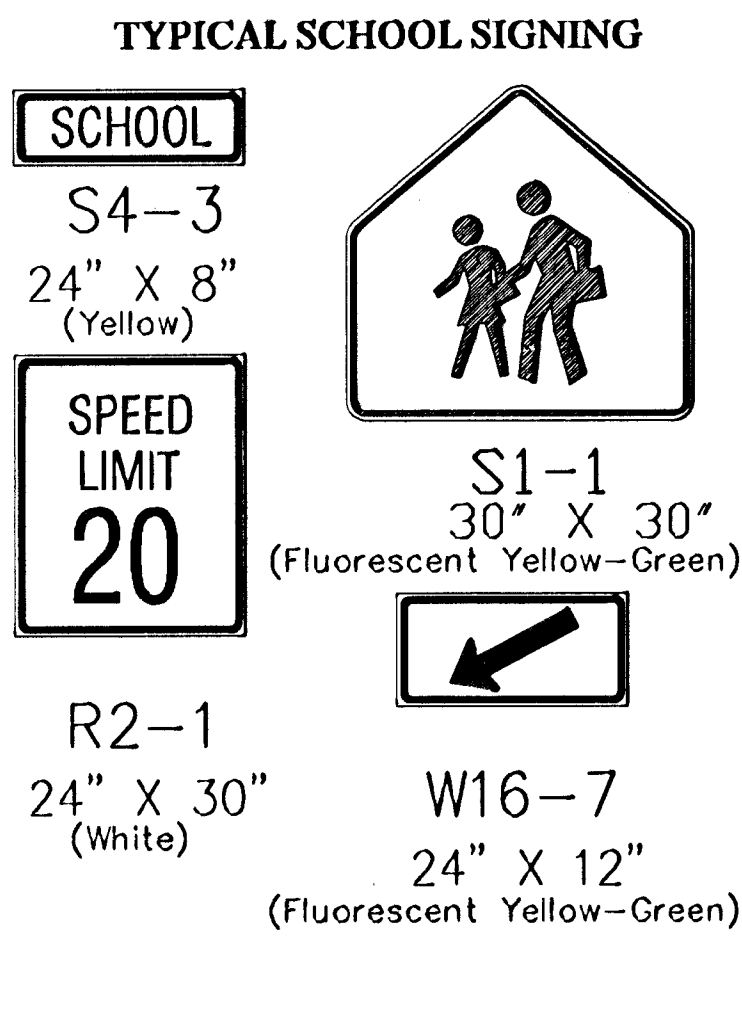
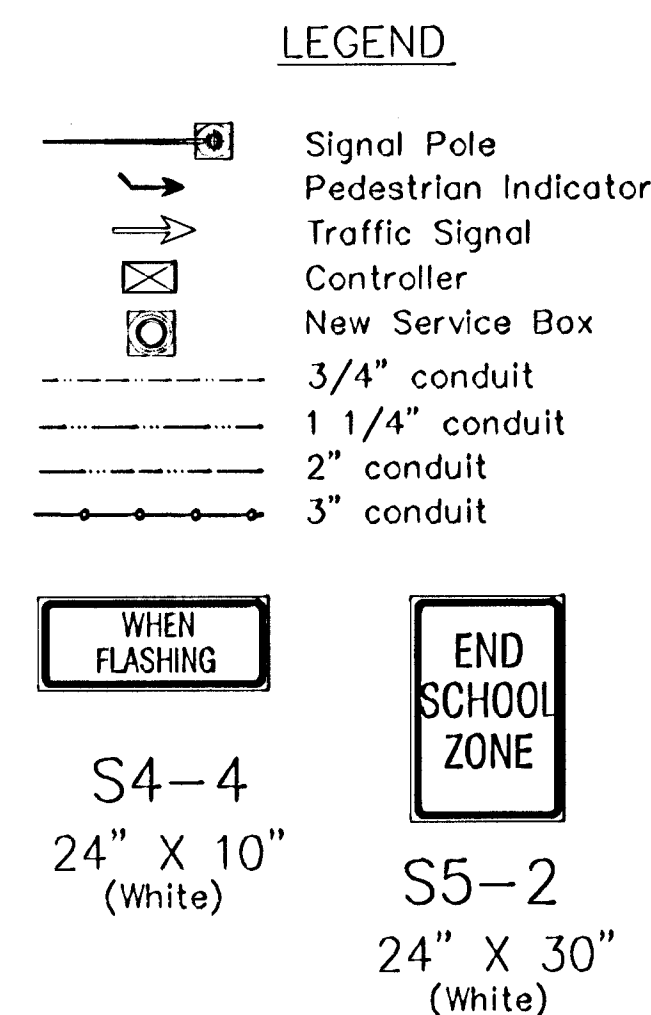


CHART A SIGNAL INVENTORY				
NO. WAYS	NO. SECTIONS (Per Face)	SIGNAL FACE ARRANGEMENT	MOUNTING TYPE	QUANTITY
1	3	A	RIGID MAST ARM	4
1	2	L	VERTICAL BRACKET	2
1	3	A	VERTICAL BRACKET	2
1	3	H	VERTICAL BRACKET	2

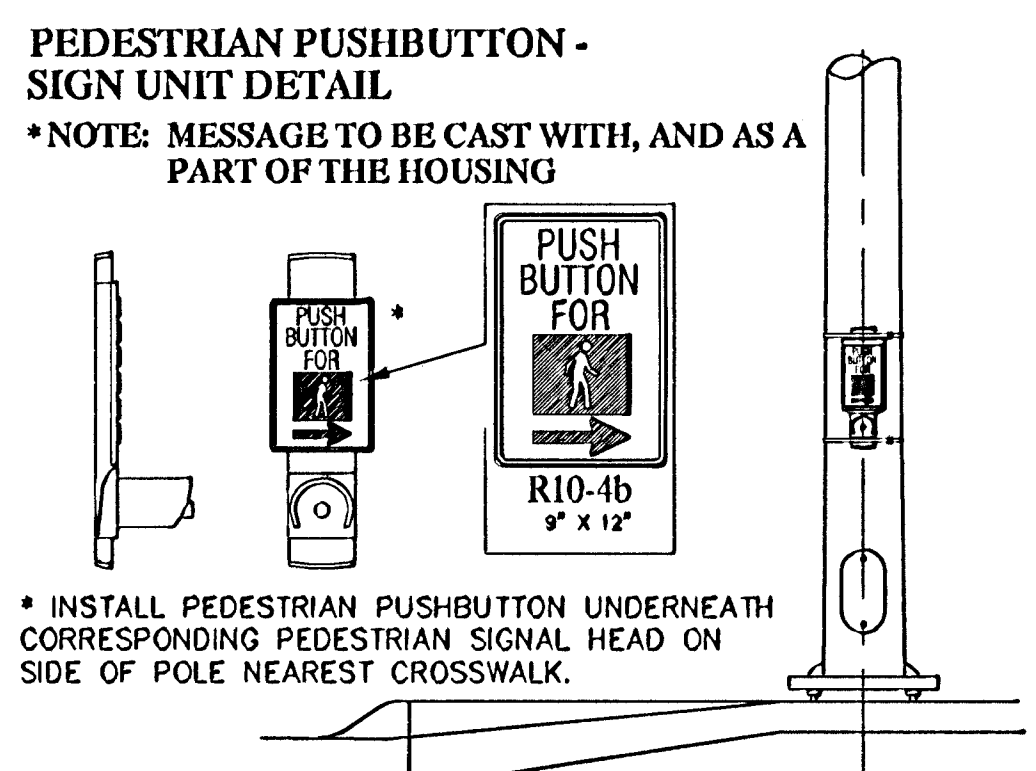
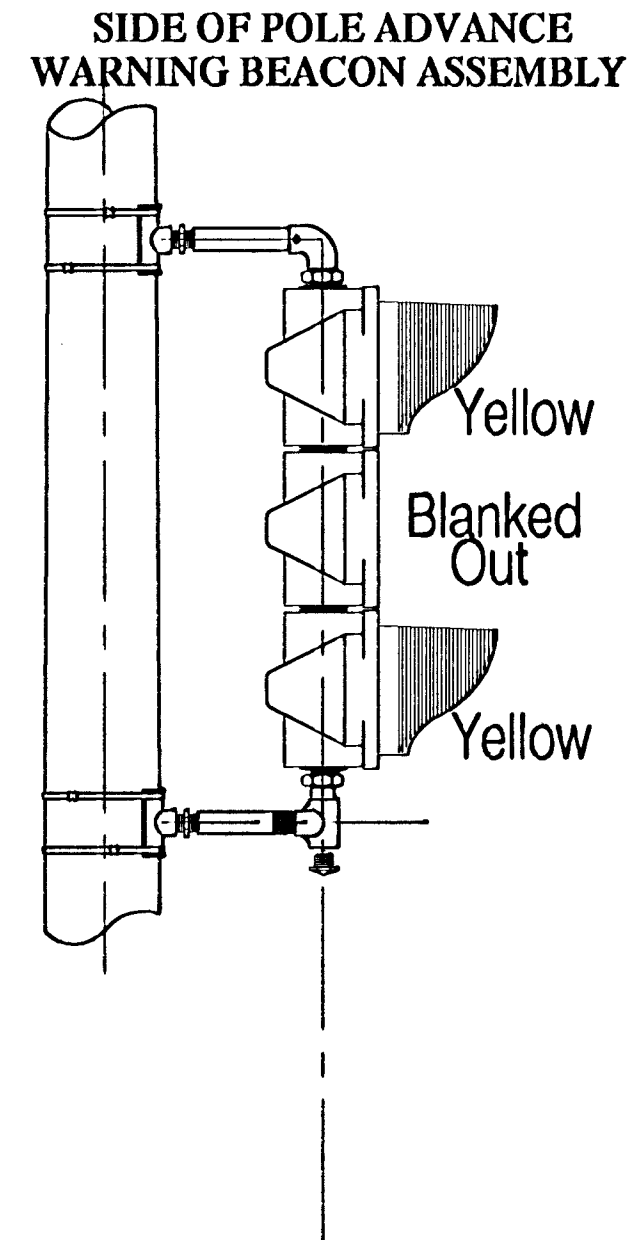
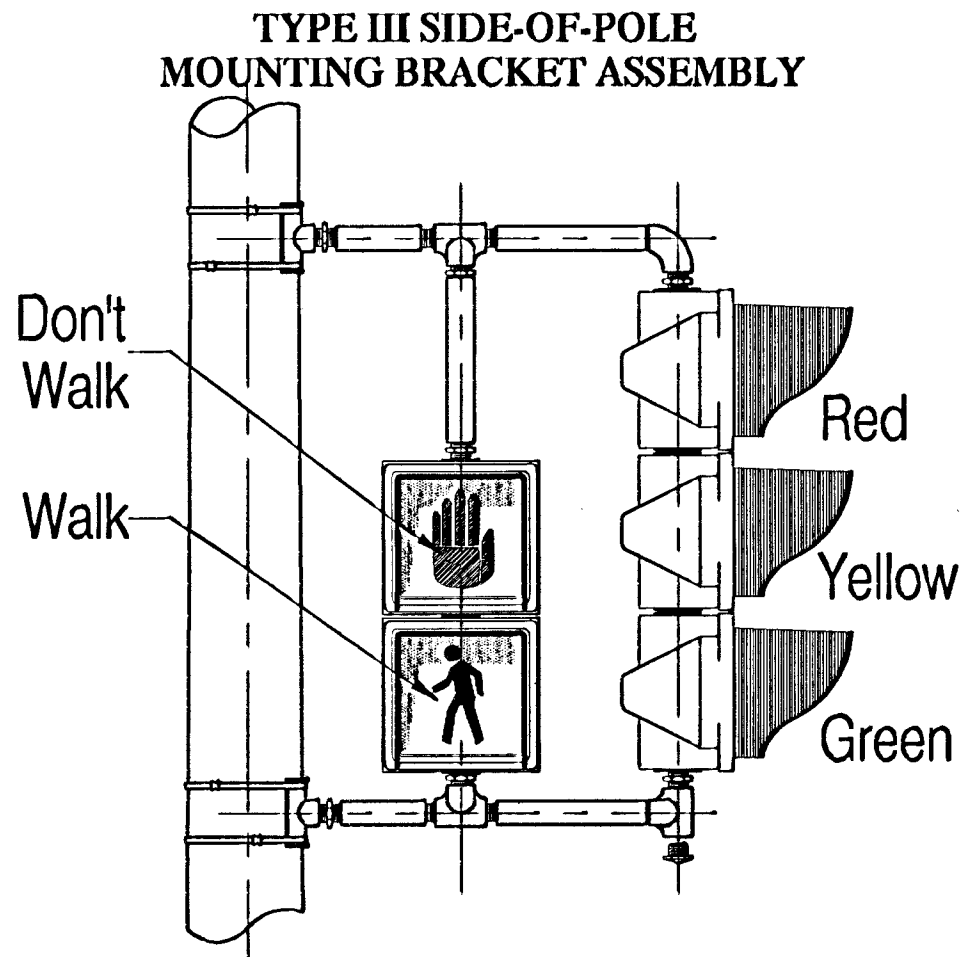
CHART B TRAFFIC SIGNAL POLES					
STATION, DIST. - SIDE	ARM SIZE	HEIGHT	NO. OF SIGNALS ON ARM	SIGNAL SPACING	TYPE
90+41.50, 34.50 Rt	30"	15'	1	11'	PEDESTAL
91+82.50, 40.00 Lt	30"	15'	2	11'	PEDESTAL
91+91.50, 38.00 Rt	30"	15'	2	11'	PEDESTAL
93+32.50, 40.00 Lt	30"	15'	1	11'	PEDESTAL

CHART C		
CONDUIT SIZE	TRENCHED	PUSHED
1 1/4"	290'	35'
3"	80'	

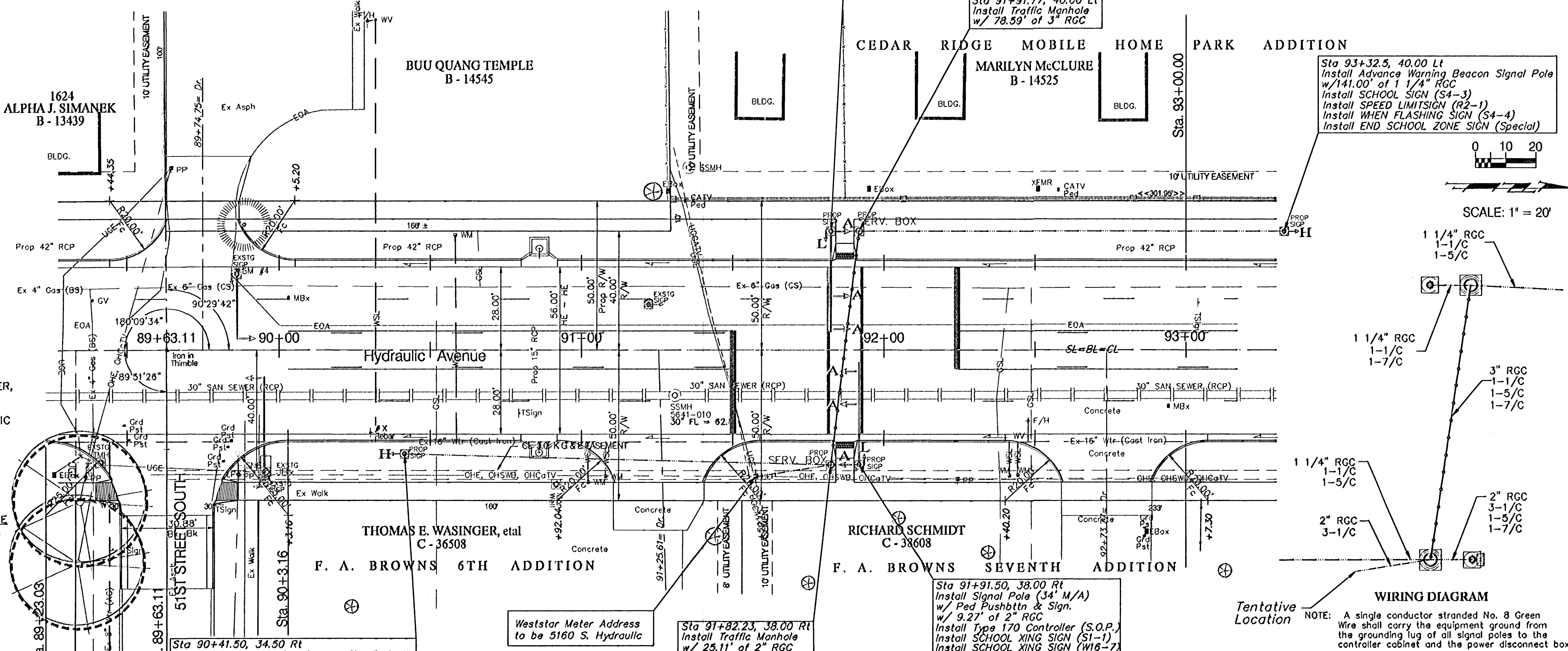
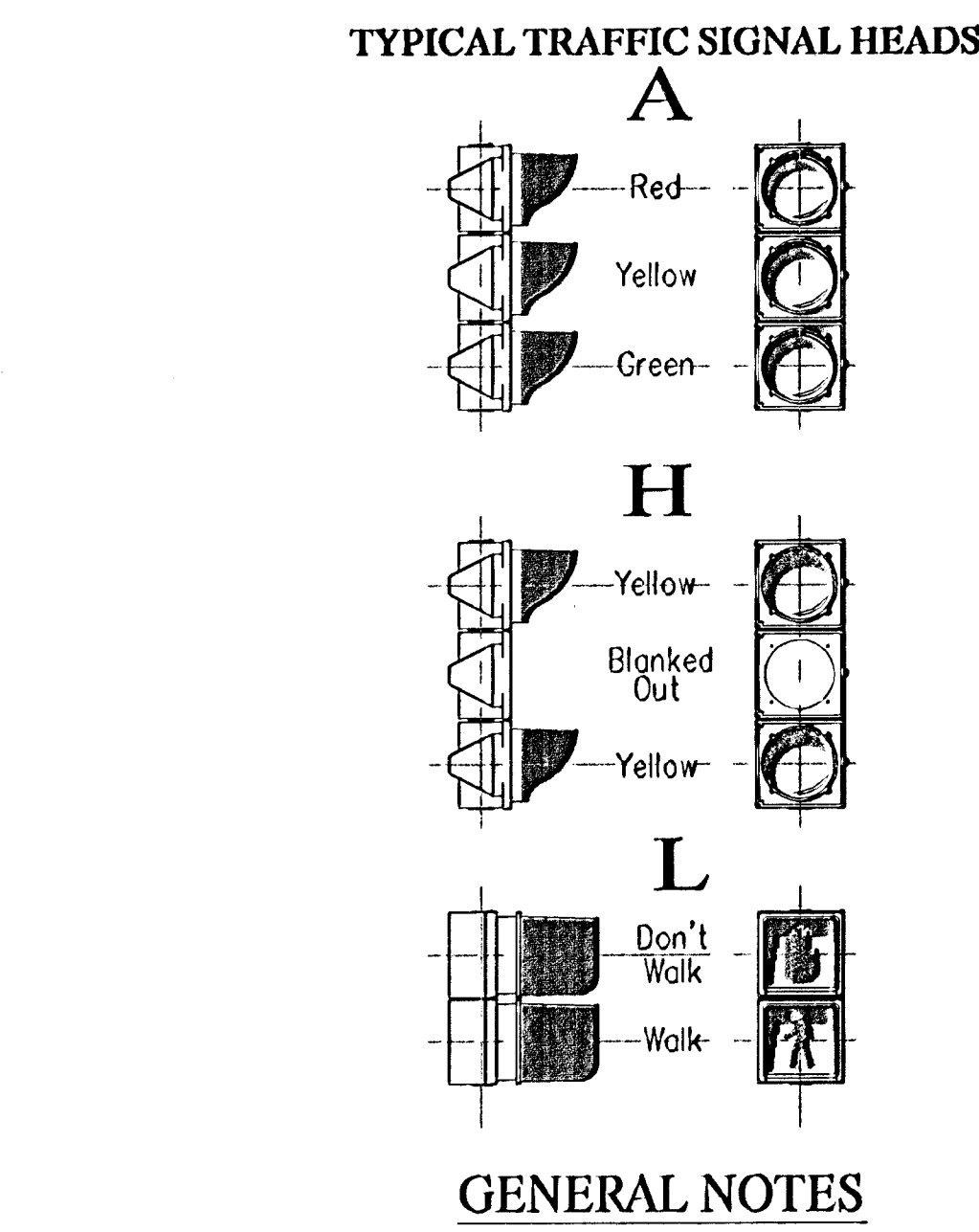
SERVICE BOX SUMMARY	
STATION	DIST. - SIDE
91+91.50	38' Rt



BILL OF MATERIALS		
ITEM	UNIT	QUANTITY
POLE MOUNTED CNTRLR. & CABINET W/ 170 CNTRLR.	EACH	1
TRAFFIC SIGNAL HEAD (SEE CHART A) W/ MOUNTING HARDWARE (12")	EACH	10
TRAFFIC SIGNAL POLE (SEE CHART B) STEEL	EACH	2
ASSEMBLY 'B' BRACKET (SIDE OF POLE)	EACH	4
ASSEMBLY 'H' BRACKET (SIDE OF POLE)	EACH	4
CONCRETE FOOTING - POLE	EACH	2
CONDUIT ELBOW 90°	EACH	As Req'd.
PEDESTAL POLE	EACH	2
CONCRETE FOOTING - PEDESTAL	EACH	2
SERVICE BOX	EACH	2
GROUND ROD & CLAMP	EACH	5
CONDUIT CLAMP	EACH	As Req'd.
TRAFFIC SIGNAL LAMP (LED)	EACH	22
ENTRANCE HEAD	EACH	1
CIRCUIT BREAKER & BOX	EACH	1
PEDESTRIAN SIGNAL HEAD (12" COMBINATION) (LED)	EACH	2
PEDESTRIAN PUSHBUTTON W/SIGN	EACH	2
LEAD-IN WIRE No. 6 A.W.G. 1/C (TYPE THHN)	feet	35.5
MULTI-CONDUCTOR CABLE No. 14 A.W.G. 5/C	feet	372
MULTI-CONDUCTOR CABLE No. 14 A.W.G. 7/C	feet	100
CONDUIT 1 1/4"	feet	290
CONDUIT 3"	feet	80
STANDARD 1C #8 (GROUND)	feet	408
REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT **	L.S.	1 **



RECAPITULATION OF TRAFFIC SIGNAL INSTALLATION		
BID ITEM	QUANTITY	UNIT
CROSSWALK SIGNAL INSTALLATION (HYDRAULIC & 51ST ST. SOUTH)	1 (LUMP SUM)	L.S.



PROJECT NUMBER 472-83902	SHEET NAME xvllksg	ENGINEERING DIRECTORY FVEngHydraulic phs2/Traffic
DESIGN JFB	DRAWN TCA	APPROVED JFB/KK
DATE March 04	SCALE 1"=20'	BAUGHMAN NO 99-09-E451

STREET & SWS IMPROVEMENTS
CROSSWALK SIGNALIZATION
between 50th Street South and 51st Street South
HYDRAULIC AVE PAVING - SOUTH OF 5TH STREET SOUTH TO 4TH STREET SOUTH