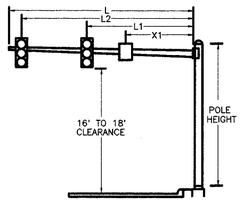
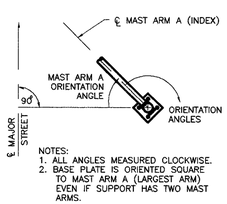
CALC. BY: DATE:	LAKE COUNTY LAK-91-4.56	OHIO
CHKD. BY: DATE:		FHWA REGION 5
		FEDERAL PROJECT





NOTES:
1. ALL ANGLES MEASURED CLOCKWISE.
2. BASE PLATE IS ORIENTED SQUARE TO MAST ARM A (LARGEST ARM) EVEN IF SUPPORT HAS TWO MAST ARMS.

SUPPORT NO.	SIGNAL SUPPORT TC-81.20 TC-12.30											ORIENTATION ANGLES (DEG.) FROM MAST ARM "A"											
	POLE DESIGN NO. TC-81.20	POLE DESIGN NO. TC-12.30	ARM DESIGN NO.	POLE HEIGHT (FT)	FOUNDATION STATION	FOUNDATION OFFSET	L (FT.)	L 1 (FT.)	L 2 (FT.)	L 3 (FT.)	X 1 (FT.)	MAST ARM A ANGLE (DEG.)	MAST ARM B	PEDESTRIAN SIGNALS	PEDESTRIAN PUSH BUTTONS	POWER SERVICE	CONTROLLER	LUMINAIRE BRACKET	HANDHOLE	CABLE ENTRANCE (12" FROM TOP)			
P1	11		11	21'	266+75	47'R	44	19	31	43	40	0							180				
P2	PED			8'	266+67	61'R						0		90 270	0 270				180				
P3	11		11	21'	265+69	64'R	41	22	40			90		0 270	90 270				180				
P4	12		12	21'	265+55	48'L	45	20	32	44	41	0							180				
P5	12		12	21'	266+67	57'L	45	25	44			90		0 180	90 180				180				
P6	PED			8'	265+67	56'L						0		90 270	90 270				180				

ORIENTATION ANGLE CHART

PROP. 18" PULLBOX, PB7
STA 265+03, 44'L

PROP. 18" PULLBOX, PB8
STA 265+61, 50'L

REMOVE EXIST. PEDESTRIAN SIGNALS
EXIT. STRAIN POLE (TO REMAIN)
STA 265+63, 53'L

PROP. SIGNAL SUPPORT, P4
TYPE TC-81.20 DES. 12, 45' ARM WITH
STA 265+55, 48'L

PROP. 8' PEDESTAL, P6, WITH
PEDESTRIAN SIGNALS AND PUSHBUTTONS
STA 265+67, 56'L

PROP. 18" PULLBOX, PB9
STA 266+53, 92'L

PROP. SIGNAL SUPPORT, P5
TYPE TC-81.20 DES. 12, 45' ARM WITH
PEDESTRIAN SIGNALS AND PUSHBUTTONS
STA 266+67, 57'L

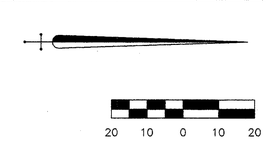
PROP. 18" PULLBOX, PB10
STA 266+71, 57'L

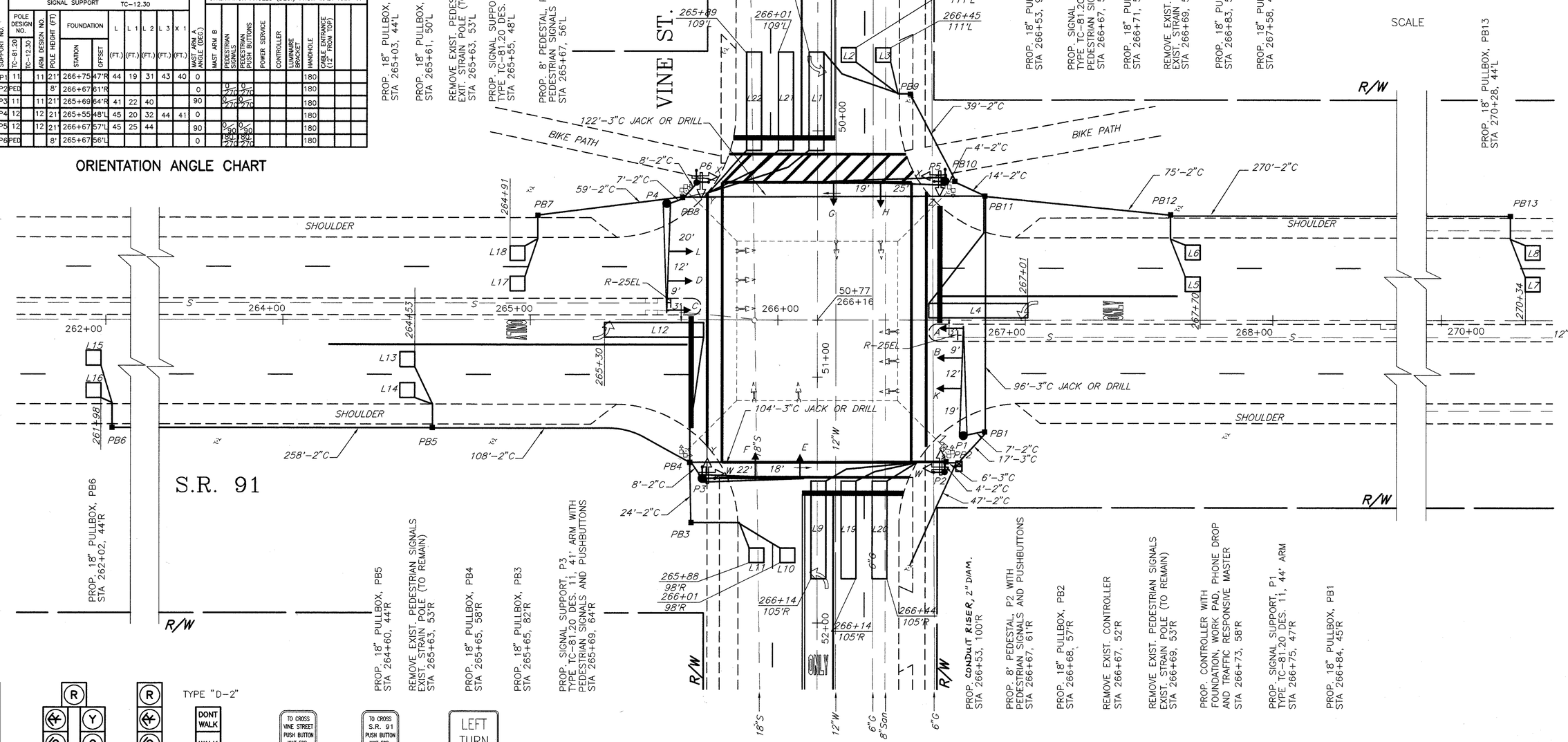
REMOVE EXIST. PEDESTRIAN SIGNALS
EXIST. STRAIN POLE (TO REMAIN)
STA 266+69, 53'L

PROP. 18" PULLBOX, PB11
STA 266+83, 51'L

PROP. 18" PULLBOX, PB12
STA 267+58, 44'L

PROP. 18" PULLBOX, PB13
STA 270+28, 44'L





PROP. 18" PULLBOX, PB6
STA 262+02, 44'R

PROP. 18" PULLBOX, PB5
STA 264+60, 44'R

REMOVE EXIST. PEDESTRIAN SIGNALS
EXIST. STRAIN POLE (TO REMAIN)
STA 265+63, 53'R

PROP. 18" PULLBOX, PB4
STA 265+65, 58'R

PROP. 18" PULLBOX, PB3
STA 265+65, 82'R

PROP. SIGNAL SUPPORT, P3
TYPE TC-81.20 DES. 11, 41' ARM WITH
PEDESTRIAN SIGNALS AND PUSHBUTTONS
STA 265+69, 64'R

PROP. CONDUIT RISER, 2" DIAM.
STA 266+53, 100'R

PROP. 8' PEDESTAL, P2 WITH
PEDESTRIAN SIGNALS AND PUSHBUTTONS
STA 266+67, 61'R

PROP. 18" PULLBOX, PB2
STA 266+68, 57'R

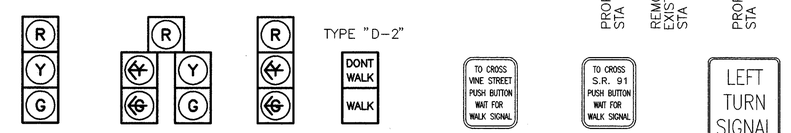
REMOVE EXIST. CONTROLLER
STA 266+67, 52'R

REMOVE EXIST. PEDESTRIAN SIGNALS
EXIST. STRAIN POLE (TO REMAIN)
STA 266+69, 53'R

PROP. CONTROLLER WITH
FOUNDATION, WORK PAD, PHONE DROP
AND TRAFFIC RESPONSIVE MASTER
STA 266+73, 58'R

PROP. SIGNAL SUPPORT, P1
TYPE TC-81.20 DES. 11, 44' ARM
STA 266+75, 47'R

PROP. 18" PULLBOX, PB1
STA 266+84, 45'R



B, D, F, H, K & L — E & G — A & C

ALL HEADS ARE 12" POLY

W — W
X — X
Y — Y
Z — Z

SIGNALS

R-73A-9
QTY. = 4

R-73A-9
QTY. = 4

PED SIGNS

R-25 EL
24" x 30"
QTY. = 2

SIGNS

THE UNDERGROUND UTILITIES ARE SHOWN ACCORDING TO INFORMATION FURNISHED BY THE UTILITIES CONCERNED. THEIR ACCURACY IS NOT GUARANTEED, THEREFORE THEY SHOULD BE RECHECKED BEFORE UNDERGROUND CONSTRUCTION BEGINS.

REVISED 4-26-94

S.R. 91 & VINE STREET (S.R. 640) TRAFFIC CONTROL PLAN