

PLAN SPECIFICATION REFERENCES

REFERENCE TO SUPPLEMENTAL SPECIFICATIONS 843, 857, 858, 859, 957, 958, AND 959 ON THE TRAFFIC CONTROL STANDARD CONSTRUCTION DRAWINGS IN THESE PLANS SHALL BE CONSIDERED TO READ AS RESPECTIVE REFERENCES TO ITEMS 630, 631, 632, 730, 731, 732, 861 AND 961.

ITEM 605 UNDERDRAINS

AN ESTIMATED QUANTITY OF 80 LINEAR FEET OF 605 SHALLOW PIPE UNDERDRAINS IS PROVIDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER IN PROVIDING POSITIVE DRAINAGE FOR PULL BOXES. PERFORATED PVC PIPE OR CONDUIT MATERIAL APPROVED BY THE ENGINEER SHALL BE USED IN THE CONSTRUCTION OF THIS ITEM.

608-4" CONCRETE WALK, AS PER PLAN

A QUANTITY OF 12 SQ. FT. OF 4" CONCRETE WALK, AS PER PLAN, IS INCLUDED FOR USE WHEN DIRECTED BY THE ENGINEER. THIS IS TO PROVIDE 4 FT. X 3 FT. PLATFORMS NEAR POLE OR PEDESTAL MOUNTED SIGNAL CONTROL CABINETS IN UNPAVED AREAS, FROM WHICH SIGNAL MAINTENANCE PERSONNEL CAN CONVENIENTLY REACH THE SIGNAL EQUIPMENT FOR SERVICE.

ITEM 625 POWER SUPPLY FOR TRAFFIC SIGNALS

ELECTRIC POWER SHALL BE OBTAINED FROM THE CLEVELAND ELECTRIC ILLUMINATING COMPANY AT THE LOCATIONS INDICATED ON THE PLANS. POWER SUPPLIED SHALL BE 120 VOLTS.

ITEM 632 POWER SERVICE, AS PER PLAN

THIS ITEM SHALL BE AS DETAILED IN SPECIFICATION 632.23, EXCEPT THE ELECTRICAL SERVICE SHALL BE UNMETERED.

DISCONNECT SWITCH ENCLOSURES SHALL INCLUDE A PADLOCK EQUAL TO MASTER NO. 4B KA OR WILSON BOHANNON 660 WITH LOCK BODY OF BRONZE OR BRASS. ALL PADLOCKS SHALL USE THE SAME KEY AND FOUR KEYS SHALL BE GIVEN TO THE ENGINEER.

PAYMENT FOR ITEM 632, "POWER SERVICE, AS PER PLAN," WILL BE MADE AT THE CONTRACT UNIT BID PRICE FOR EACH INSTALLATION, COMPLETE AND INCLUDING ALL INCIDENTAL ITEMS.

ITEM 632 REMOVAL OF TRAFFIC SIGNAL INSTALLATION

TRAFFIC SIGNAL INSTALLATIONS, INCLUDING SIGNAL HEADS, CABLES, MESSENGER WIRE, CABINET, CONTROLLER, AND OTHER INCIDENTAL ITEMS REQUIRED BY THE ENGINEER, SHALL BE REMOVED AND STORED OR DISPOSED OF BY THE CONTRACTOR. ITEMS DESIGNATED TO BE STORED SHALL BE CAREFULLY REMOVED AND SUITABLY STORED AND PROTECTED ON THE PROJECT FOR SALVAGE BY THE CITY OF EASTLAKE, IN ACCORDANCE WITH 614.03. SIGNALS SHALL NOT BE REMOVED UNTIL A NEW SIGNAL SYSTEM OR A TEMPORARY TRAFFIC CONTROL METHOD APPROVED BY THE ENGINEER IS IN OPERATION.

ITEMS TO BE STORED: ALL VEHICULAR SIGNAL HEADS, THE CONTROLLER, CABINET AND POLES.

ITEMS TO BE DISPOSED OF: ALL WIRES AND CABLES BEING A PART OF THE EXISTING SIGNAL INSTALLATION.

843 CONTROLLER, BY TYPE

IN ADDITION TO THE REQUIREMENTS OF SUPPLEMENTAL SPECIFICATION 843, CONTROLLERS WITH PREWIRED CABINETS SHALL HAVE THE FOLLOWING REQUIREMENTS OR FEATURES:

CABINETS SHALL BE PAINTED YELLOW FEDERAL STANDARD 595, COLOR 13655.

CONTROLLER HARNESS LENGTH SHALL BE SUFFICIENT TO REACH ANY POINT WITHIN THE SPACE PROVIDED FOR THE CONTROLLER.

LOAD SWITCHES SHALL CONTAIN INDICATOR LIGHTS FOR EACH CIRCUIT, VISIBLE FROM THE FRONT.

LIGHTNING PROTECTION SHALL BE PROVIDED AS SHOWN ON SHEET 33 A.

PAVEMENT MARKING QUANTITIES

621 4" EDGE LINES (WHITE)

139+37 TO 143+50 (BOTH SIDES)	826 LF
146+00 TO 150+15 (BOTH SIDES)	830 LF
4+30 TO 8+90 (BOTH SIDES)	920 LF
11+00 TO 15+50 (RIGHT SIDE)	450 LF
12+25 TO 15+50 (LEFT SIDE)	325 LF
TOTAL	3,351 LF OR 0.63 MILE

621 4" CENTER LINES (SOLID DOUBLE YELLOW)

139+37 TO 144+09	472 LF
143+00 TO 140+70 (ON DIAGONAL)	230 LF
143+00 TO 143+40 (ON DIAGONAL)	42 LF
145+12 TO 150+15	503 LF
146+68 TO 147+08 (ON DIAGONAL)	42 LF
147+08 TO 150+15	307 LF
4+30 TO 9+48	518 LF
8+48 TO 8+88 (ON DIAGONAL)	42 LF
6+25 TO 8+48	223 LF
10+65 TO 15+50	485 LF
11+45 TO 11+85 (ON DIAGONAL)	42 LF
11+85 TO 14+50	265 LF
TOTAL	3,171 LF OR 0.60 MILE

621 8" CHANNELIZING CINES

143+40 TO 144+09	69 LF
8+88 TO 9+48	60 LF
10+67 TO 11+45	78 LF
145+12 TO 146+68	156 LF
TOTAL	363 LF

621 24" STOP LINES

144+11	26 LF
9+50	27 LF
10+65	31 LF
145+10	27 LF
TOTAL	111 LF

621-24" BROAD TRANSVERSE LINES (YELLOW)

140+70 TO 143+40	281 LF
6+25 TO 8+88	272 LF
11+45 TO 14+50	323 LF
146+68 TO 150+15	366 LF
TOTAL	1,242 LF

621 LANE ARROWS

143+81	1 EACH
145+40	1 EACH
9+20	1 EACH
10+95	1 EACH
TOTAL	4 EACH

621 WORD "ONLY" ON PAVEMENT 72"

146+14	1 EACH
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ORIENTATION ANGLES FOR POLE FITTINGS AND FOUNDATION DATA

INTERSECTION	REF. LETTER	POLE LOCATION	DESIGN TC-81.10	HEIGHT FEET	PERCENT SAG	POLE TOP TO SPAN WIRE CLAMP	0 DEG. REF. SPAN LOCK-ING FROM	1ST WIRE INLET DEGREE	CONTROLLER DEGREE	POWER SERVICE DEGREE	CONDUIT ELLS ANGLE SIZE
LAKESHORE BLVD.	A	144+87, 45.5'L	7	27	5	1.30'	A TO B	0°	90°	235°	180°, 1"
AND ERIE RD.	B	144+34.5, 38.5'R	7	26	5	0.80'	B TO A				25°, 1"

ORIENTATION ANGLES ARE MEASURED CLOCKWISE FROM LISTED REFERENCE SPAN.  
 ALL ANCHOR BOLTS SHALL BE PERPENDICULAR TO LINES OF STRESS.