

WATERFORD W.B. REST AREA

POLE NO.	LOCATION	OFF-SET	LENGTH OF POLE ARM	LUMINAIRE WATTS TYPE	MOUNTING HEIGHT	REMARKS
1	EXISTING		25' 4"	100W NC II	20'	
2	"		" "	100W "	"	
3	"		" "	100W "	"	
4	"		" "	150W NC III	"	
5	"		" @ 2' 4"	2 @ 150W "	"	TWO ARMS, TWO LUMINAIRES
6	"		" @ 2' 4"	2 @ 150W "	"	TWO ARMS, TWO LUMINAIRES
7	"		" 4'	150W "	"	
8	"		" "	100W NC II	"	
9	"		" "	100W "	"	
10	"		" 6'	100W NC III	"	REPLACE OR REPAIR LUMINAIRE REPLACE ARM AS REQUIRED
11	"		" "	100W "	"	
12	"		" "	100W "	"	
13	"		" "	100W "	"	
14	"		" "	100W "	"	
15	"		" 4'	100W NC II	"	

NOTE:
THE LUMINAIRE WATTS AND TYPE ARE LISTED ON THIS SHEET FOR INFORMATION IF REPLACEMENT IS REQUIRED.

WORK TO BE PERFORMED BY THE CONTRACTOR

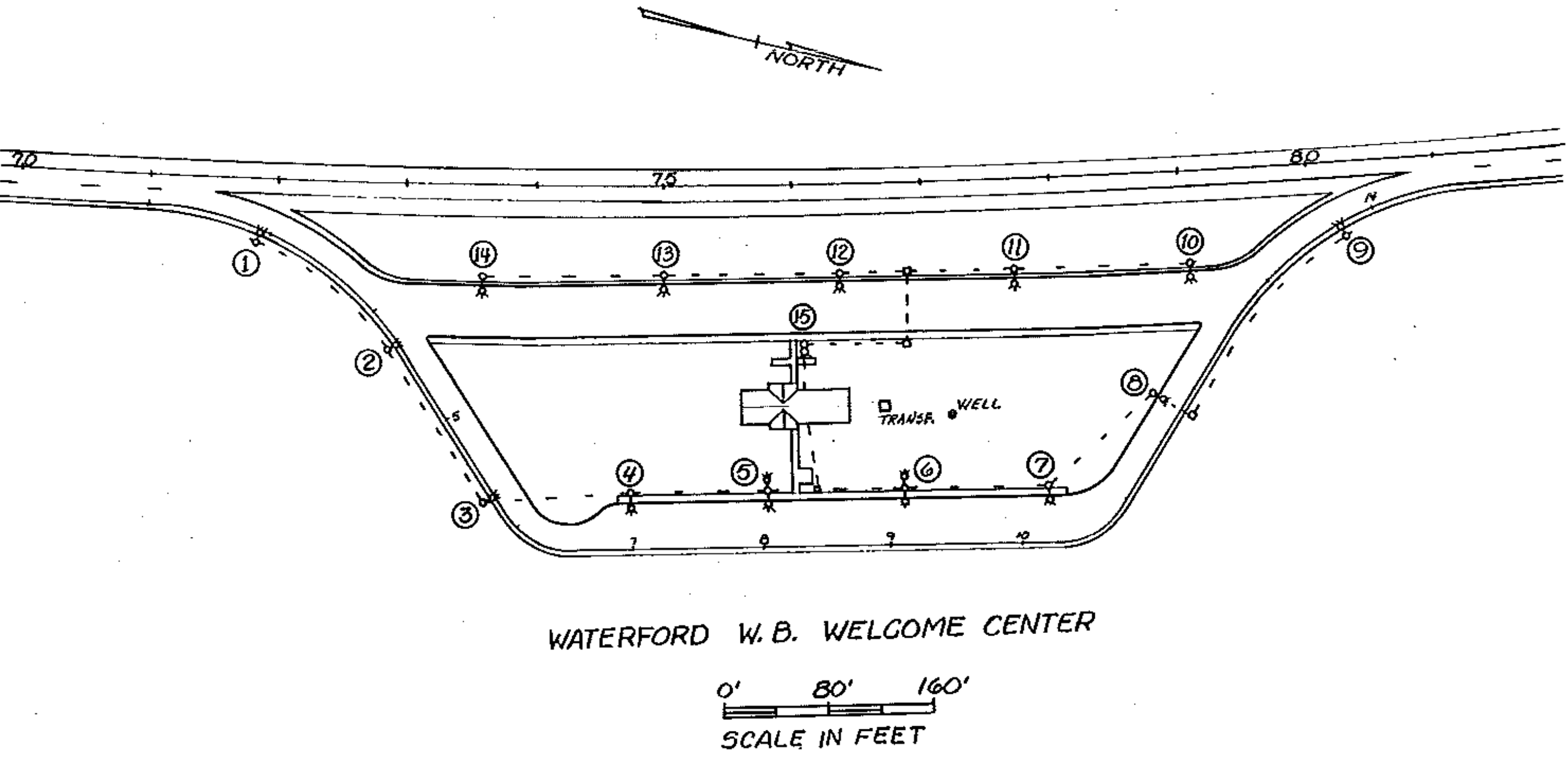
THE CONTRACTOR SHALL:

1. PERFORM AN INSULATION TEST ON EXISTING NON-GROUNDED CONDUCTORS (INCLUDING NEUTRAL). IF READING IS AROUND ONE MEGOHM OR LESS, A) LOCATE BAD SEGMENT, B) CONTACT TRAFFIC AND SAFETY SECTION WITH THE READINGS ON THE REST OF CIRCUITRY FOR A DETERMINATION FOR EXTENT OF REPLACEMENT OF WIRING AND/OR CONDUIT.
2. PERFORM A RESISTANCE TO GROUND TEST AT SPECIFIED GROUNDS, 25 OHMS OR LESS ACCEPTABLE.
3. FURNISH THE TRAFFIC AND SAFETY SECTION VIA THE RESIDENT ENGINEER, INSULATION TEST READINGS ON THE EXISTING AND NEW (IF REQUIRED) ELECTRICAL SYSTEM, RESISTANCE TO GROUND READINGS AT SPECIFIED GROUNDS, VOLTAGE READINGS AT CIRCUIT BREAKERS AND IF CIRCUIT LENGTH IS OVER 1000 FEET IN LENGTH FURNISH A VOLTAGE READING (WITH FULL LOAD) AT END OF CIRCUITS.
4. DISCONNECT AND REMOVE EXISTING LUMINAIRES (IF INOPERABLE), INSTALL NEW LUMINAIRES AS REQUIRED, STOCKPILE OLD LUMINAIRES FOR PICK UP BY DISTRICT FORCES.
5. REPAIR OR REPLACE ANY FAULTY MATERIAL WHICH MAY HAMPER THE SAFETY OR OPERATION OF THE COMPLETED LIGHTING SYSTEM.
6. PLUMB EXISTING POLES AS REQUIRED.
7. AT POLE LOCATION #10, INSTALL NEW ARM, ALSO AT OTHER LOCATIONS IF REQUIRED.
8. INSTALL NEW JUNCTION BOXES AT THE BASE OF EACH LIGHT POLE AS PER PLAN.
9. INSTALL 6" UNDERDRAIN AS PER PLAN.
10. INSTALL NEW CONDUIT AS PER PLAN AND AS DETERMINED NECESSARY AFTER ELECTRICAL CIRCUIT TESTING.
11. INSTALL NEW CONCRETE DROP INLET WITH CONCRETE COVER AS PER PLAN.

ALL THE ABOVE WORK, INCLUDING ELECTRICAL CIRCUIT TESTING, WHICH IS NOT PAID FOR UNDER A SEPARATE ITEM NUMBER, SHALL BE PAID FOR UNDER ITEM 679.15, STREET LIGHTING (MOD).

GENERAL NOTES

- POLES #4 THRU #7 SHALL BE BRACED DURING EXCAVATION OF TRENCH DUE TO CLOSE PROXIMITY OF TRENCH.
- EXISTING POWER, WATER AND SEPTIC LINES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS, USE CARE DURING EXCAVATION.
- JUNCTION BOXES SHALL MEET THE LOADING REQUIREMENTS AS MENTIONED IN THE STANDARD SPECIFICATIONS FOR CONSTRUCTION, 752J2 AND SHALL HAVE A WATERTIGHT COVER, CONDUIT ENTERIES AND HAVE CONDUIT SEALING BUSHINGS IN ALL CONDUITS.
- ESTABLISHMENT OF TURF, EXCAVATE AND REPLACE EXISTING TOPSOIL AS DIRECTED BY THE RESIDENT ENGINEER, SEED, FERTILIZER, LIME AND MULCH SHALL BE PAID FOR SUBSIDIARY TO OTHER ITEMS.
- THE NEW DROP INLET SHALL BE POURED IN PLACE. A TWO FOOT LONG SECTION OF THE EXISTING PIPE TO BE REMOVED AS NECESSARY.



WATERFORD I-93 WELCOME CENTER	
STREET LIGHTING DESIGN CRITERIA AND GENERAL NOTES	PREPARED BY <u>R. DAVIS</u> DATE <u>4-88</u> CHECKED BY _____ DATE _____ DESIGN SUPERVISOR <u>DAR</u> DATE _____ PROJ. STATEWIDE IR LITE (2) TRAFFIC SHEET NO. <u>3</u> OF <u>7</u> SHEET <u>3</u> OF <u>18</u> SHEETS