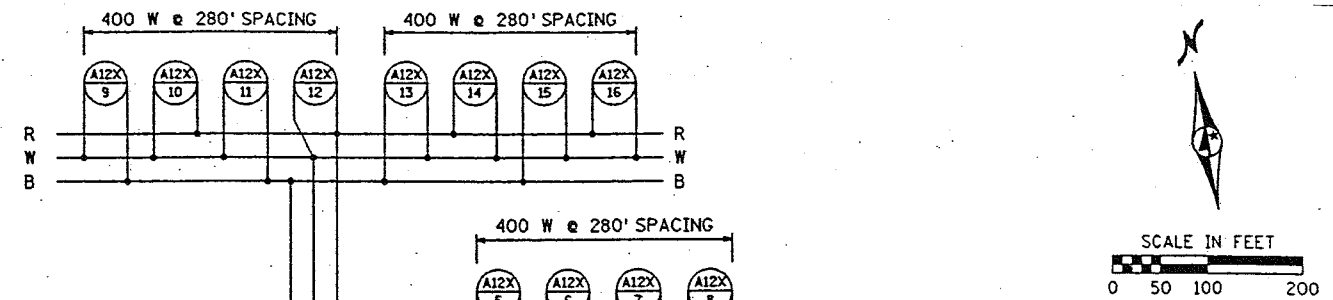


**LEGEND**

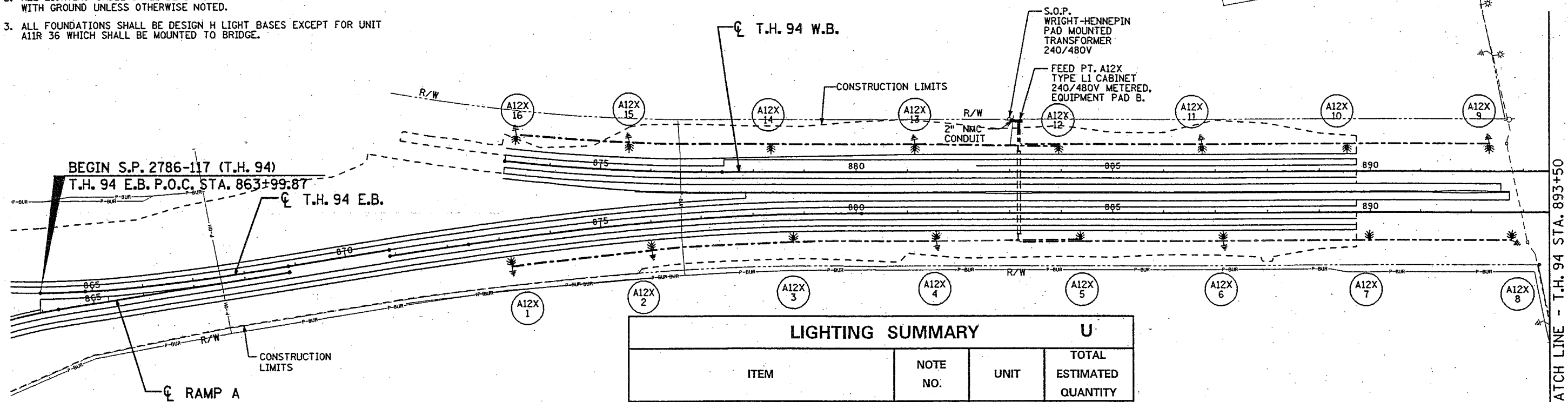
- ⊖ EXISTING SOURCE OF POWER
- INPLACE HANDHOLE
- ===== 3" NON-METALLIC CONDUIT (UNLESS OTHERWISE NOTED)
- 1-3/8" #4 DIRECT BURIED ARMORED CABLE
- INPLACE 1-3/8" #4 DIRECT BURIED ARMORED CABLE
- INPLACE CONDUIT
- EXISTING FEED POINT
- FEED POINT (SERVICE CABINET, SECONDARY TYPE L1)
- ⊕ GROUND ROD
- ☀ INPLACE LIGHTING UNIT
- INSTALL LIGHTING UNIT
- ☀ F&I HIGH PRESSURE SODIUM LIGHTING UNIT

LIGHTING STANDARDS AND BASES				
NO.	LOCATION	STATIONS	POLE TYPE	FIXTURE
FOR FEED POINT A12X				
1	T.H. 94 E.B.	873+17	VM-49	400 W HPS
2	T.H. 94 E.B.	875+98	VM-49	400 W HPS
3	T.H. 94 E.B.	878+78	VM-49	400 W HPS
4	T.H. 94 E.B.	881+57	VM-49	400 W HPS
5	T.H. 94 E.B.	884+37	VM-49	400 W HPS
6	T.H. 94 E.B.	887+16	VM-49	400 W HPS
7	T.H. 94 W.B.	889+96	VM-49	400 W HPS
8	T.H. 94 W.B.	892+76	VM-49	400 W HPS
9	T.H. 94 W.B.	889+55	VM-49	400 W HPS
10	T.H. 94 W.B.	892+35	VM-49	400 W HPS
11	T.H. 94 W.B.	886+75	VM-49	400 W HPS
12	T.H. 94 W.B.	883+95	VM-49	400 W HPS
13	T.H. 94 W.B.	881+15	VM-49	400 W HPS
14	T.H. 94 W.B.	878+35	VM-49	400 W HPS
15	T.H. 94 W.B.	875+55	VM-49	400 W HPS
16	T.H. 94 W.B.	873+29	VM-49	400 W HPS



**NOTES:**

1. ALL NEW CONDUIT PLACED UNDER THE INPLACE ROADWAY SHALL BE 3" NMC INSTALLED BY DIRECTIONAL BORING.
2. ALL LIGHTING CABLE SHALL BE 1 - 3/8" #4 ARMORED DIRECT BURIED WITH GROUND UNLESS OTHERWISE NOTED.
3. ALL FOUNDATIONS SHALL BE DESIGN H LIGHT BASES EXCEPT FOR UNIT A11R 36 WHICH SHALL BE MOUNTED TO BRIDGE.



LIGHTING SUMMARY			
ITEM	NOTE NO.	UNIT	TOTAL ESTIMATED QUANTITY
SALVAGE LUMINAIRE		EACH	1
SALVAGE LIGHTING UNIT		EACH	11
LIGHTING UNIT TYPE VMB-45		EACH	1
LIGHTING UNIT TYPE VM-45		EACH	6
LIGHTING UNIT TYPE VM-49		EACH	58
LUMINAIRE	(2)	EACH	1
LIGHT BASE DESIGN H		EACH	64
2" NON-METALLIC CONDUIT		LIN FT	30
3" NON-METALLIC CONDUIT		LIN FT	571
ARMORED CABLE 3 COND NO 4		LIN FT	17999
OVERHEAD LIGHT CABLE 4 COND NO 4	(1)	LIN FT	300
SERVICE CABINET SECONDARY TYPE L1		EACH	2
EQUIPMENT PAD B		EACH	2
INSTALL SALVAGED LIGHTING UNIT		EACH	10

(1) TO BE INSTALLED AS NEEDED AT THE DISCRETION OF THE ENGINEER.  
 (2) 400 WATT HPS LUMINAIRE.

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DRAWN BY: SP  
 CHECKED BY: GAR

CERTIFIED BY *Gerald A. Romber* LIC. NO. 22469 DATE 1/6/03  
 LICENSED PROFESSIONAL ENGINEER

**TKDA**  
 TOLTZ, KING, DUVALL, ANDERSON  
 AND ASSOCIATES, INCORPORATED  
 ENGINEERS-ARCHITECTS-PLANNERS SAINT PAUL, MINNESOTA

**LIGHTING PLANS**  
 T.H. 94 STA. 863+99.87 TO STA. 893+50

STATE PROJ. NO. 2786-117 (T.H. 94)  
 Sheet No. 253 of 325 Sheets