



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0016

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

April 27, 2021
Subject: Highway Lighting
State WIN: 024359.00
Location: **Brunswick**
Amendment No. 1

Dear Sir/Ms.:

Please make the following changes to the Bid Documents:

In the Bid Book:

ADD the attached “As-built” Lighting Plan details, 2 pages.

The following questions have been received:

Question: If bedrock is found during drilling of 48" foundations, how is the bedrock removal paid for?

Response: The Department completed geotechnical borings at each foundation location. Encountering of significant amounts of solid rock in excavation of drilled shafts for 48-inch diameter foundations is not anticipated. If solid rock is encountered, the Contractor shall notify the Department in accordance with requirements of Standard Specifications Section 626.034 for determination of whether it must be removed or if an alternative foundation design will be provided by the Department. Payment for removal of any solid rock encountered in excavation for either drilled shaft or spread footing foundations will be paid under Item 206.07 for the quantity required to be removed.

Question: Can we install a mainline or ramp shoulder closure during the day?

Response: Per Special Provision Section 105 General Scope of Work (limitations of Operations), daytime shoulder closures are allowed.

Question: The I-295 NB off ramp and I-295 SB on ramp have 2 lanes. Can we close one of lanes during the day?

Response: Per Special Provision Section 105 General Scope of Work (limitations of Operations), ramp closures shall only be allowed from 11:00 P.M. to 5:00 A.M. Contractors shall submit bids based on the specifications provided. Requests to change the work time restrictions require the submittal of a detailed schedule and traffic control plan for review by the Department. If the successful bidder submits a request with these documents, after award, approval shall be at the sole discretion of the Department.

Question: Can the control cabinet on concrete foundation next to Durham Rd be moved due to the steepness of the slope?

Response: Yes, there is some flexibility in the location of this unit, subject to pre-approval by the Department of an alternative location.

Question: Can you please provide locations for Item # 626.36 Rem Or Mod Concrete Foundations? What size are the foundations? Does the entire foundation need to be completely removed? Do conduit run that are associated with the foundations need to be removed?

Response: "As-built" lighting plans from previous projects at the interchange are attached for reference. The plans indicate approximately 27 foundations (30-inches in diameter). However, some foundations have been removed or are no longer visible reducing the number needed to be removed to approximately 16. Foundations may be removed to a minimum of one foot below the surface grade of the adjacent slope in lieu of complete removal. Existing conduit and junction boxes are intended to be abandoned in place.

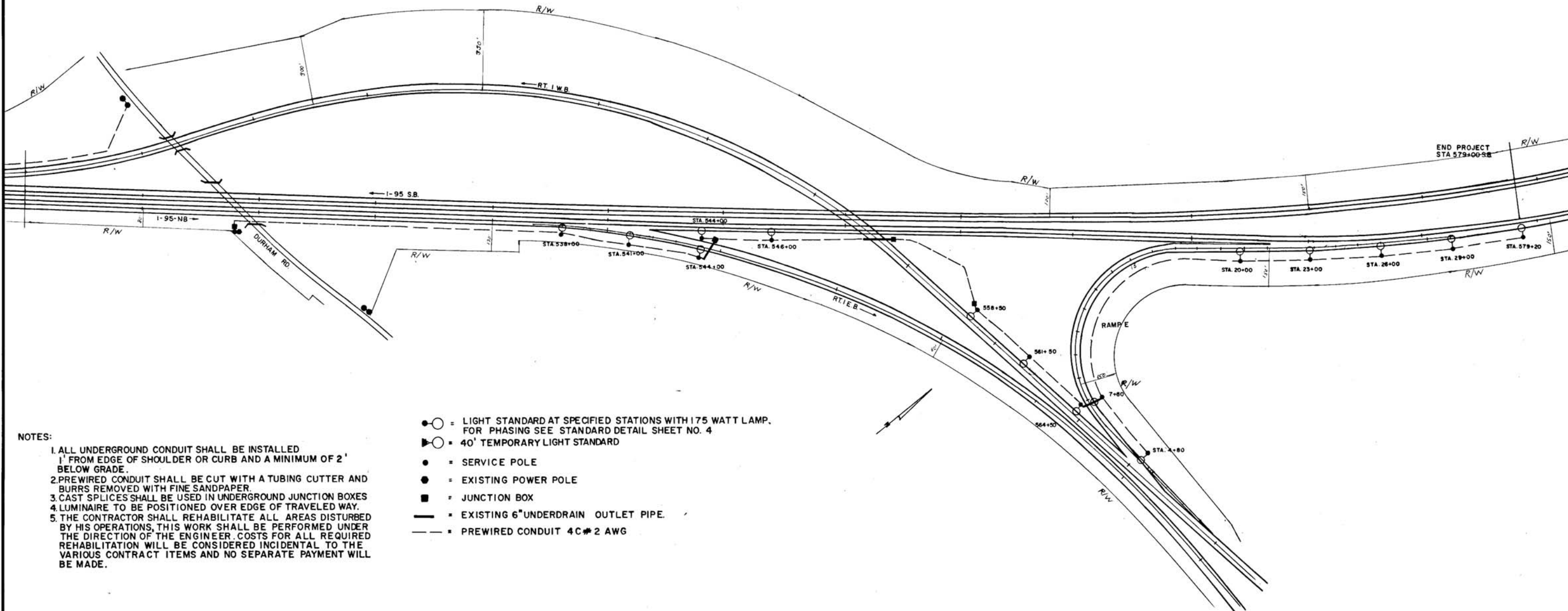
Consider these changes and information prior to submitting your bid on **April 28, 2021**.

Sincerely,



George M. A. Macdougall P.E.
Contracts & Specifications Engineer

S. P. R. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-95-4(32) 1-95-5(28)	5	7



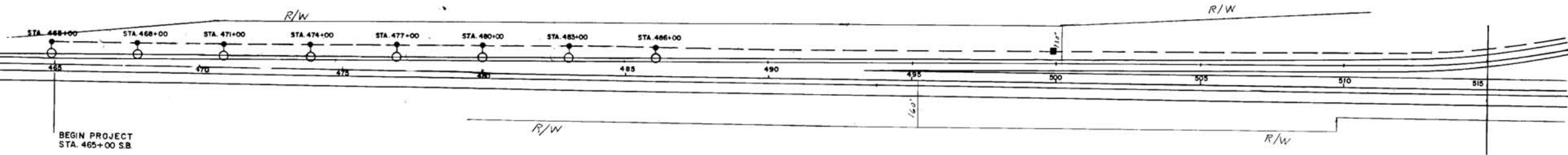
NOTES:

1. ALL UNDERGROUND CONDUIT SHALL BE INSTALLED 1' FROM EDGE OF SHOULDER OR CURB AND A MINIMUM OF 2' BELOW GRADE.
2. PREWIRED CONDUIT SHALL BE CUT WITH A TUBING CUTTER AND BURRS REMOVED WITH FINE SANDPAPER.
3. CAST SPLICES SHALL BE USED IN UNDERGROUND JUNCTION BOXES.
4. LUMINAIRE TO BE POSITIONED OVER EDGE OF TRAVELED WAY.
5. THE CONTRACTOR SHALL REHABILITATE ALL AREAS DISTURBED BY HIS OPERATIONS, THIS WORK SHALL BE PERFORMED UNDER THE DIRECTION OF THE ENGINEER. COSTS FOR ALL REQUIRED REHABILITATION WILL BE CONSIDERED INCIDENTAL TO THE VARIOUS CONTRACT ITEMS AND NO SEPARATE PAYMENT WILL BE MADE.

- = LIGHT STANDARD AT SPECIFIED STATIONS WITH 175 WATT LAMP. FOR PHASING SEE STANDARD DETAIL SHEET NO. 4
- = 40' TEMPORARY LIGHT STANDARD
- = SERVICE POLE
- = EXISTING POWER POLE
- = JUNCTION BOX
- = EXISTING 6" UNDERDRAIN OUTLET PIPE
- - - = PREWIRED CONDUIT 4C # 2 AWG

BY	DATE
DESIGN - DETAILED	
CHECKED	
REVISIONS	
FIELD CHANGES	
PLANS	

32



AS BUILT 1975

STATE HIGHWAY COMMISSION

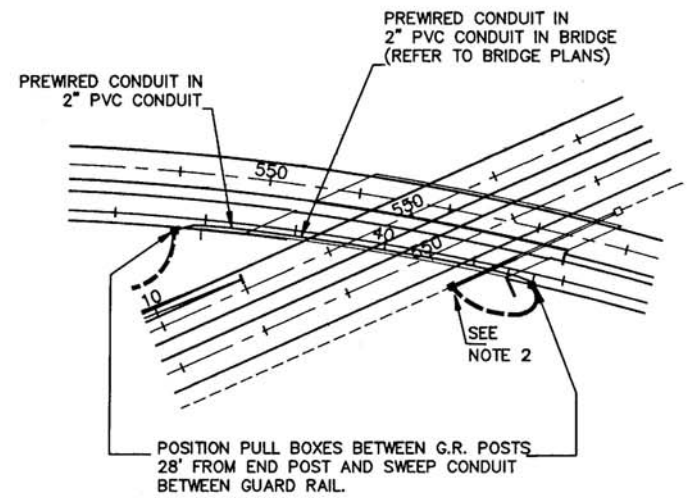
**BRUNSWICK
LIGHTING SYSTEM**

SCALE 1" = 200'

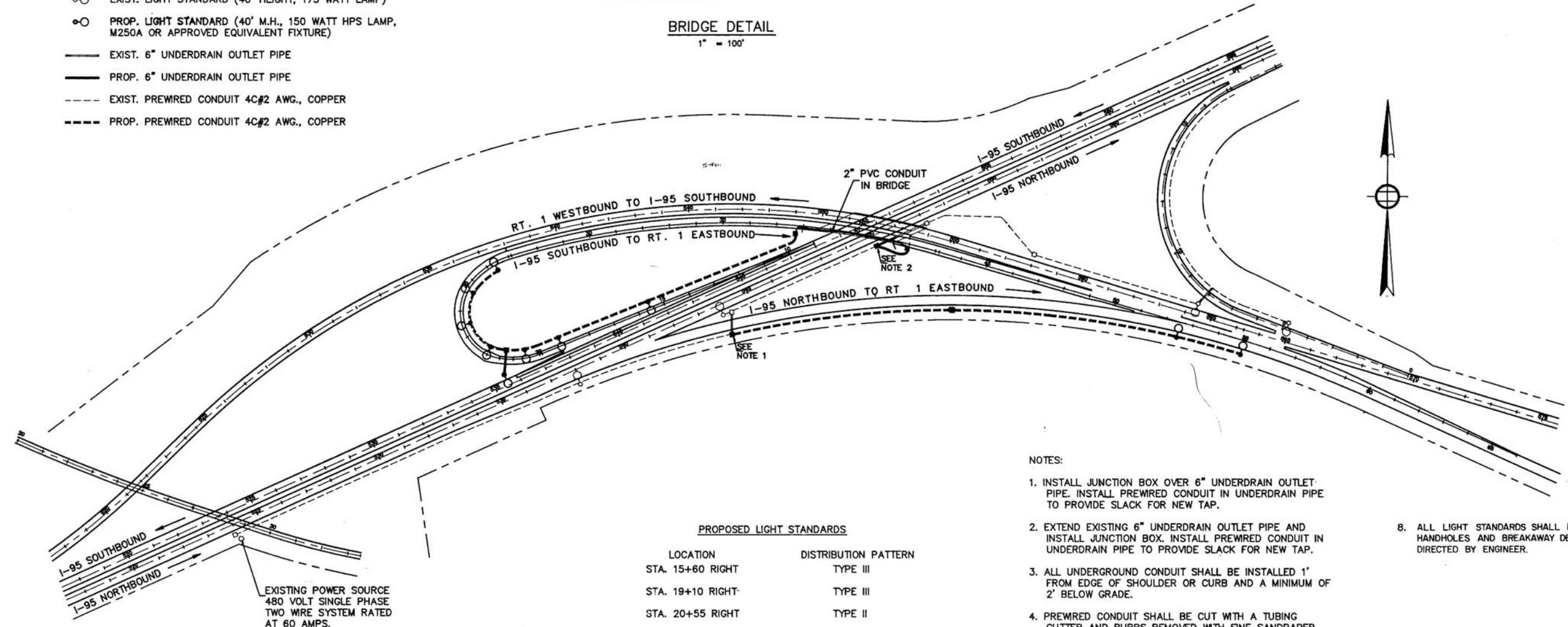
SHEET OF AUGUSTA, MAINE

HHS

- LEGEND**
- EXIST. POWER POLE
 - EXIST. JUNCTION BOX
 - PROP. JUNCTION BOX
 - EXIST. LIGHT STANDARD (40' HEIGHT, 175 WATT LAMP)
 - PROP. LIGHT STANDARD (40' M.H., 150 WATT HPS LAMP, M250A OR APPROVED EQUIVALENT FIXTURE)
 - EXIST. 6" UNDERDRAIN OUTLET PIPE
 - PROP. 6" UNDERDRAIN OUTLET PIPE
 - - - EXIST. PREMWERED CONDUIT 4C#2 AWG., COPPER
 - - - PROP. PREMWERED CONDUIT 4C#2 AWG., COPPER



BRIDGE DETAIL
1" = 100'

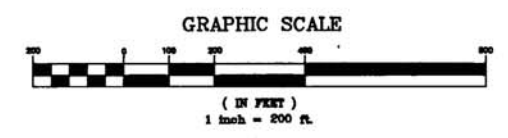


PROPOSED LIGHT STANDARDS

LOCATION	DISTRIBUTION PATTERN
STA. 15+60 RIGHT	TYPE III
STA. 19+10 RIGHT	TYPE III
STA. 20+55 RIGHT	TYPE II
STA. 535+50 LEFT (I-95 S.B.)	TYPE III
STA. 22+00 RIGHT	TYPE II
STA. 23+45 RIGHT	TYPE II
STA. 24+90 RIGHT	TYPE II
STA. 26+35 RIGHT	TYPE II
STA. 52+50 RIGHT	TYPE III
STA. 55+00 RIGHT	TYPE III

NOTES:

1. INSTALL JUNCTION BOX OVER 6" UNDERDRAIN OUTLET PIPE. INSTALL PREMWERED CONDUIT IN UNDERDRAIN PIPE TO PROVIDE SLACK FOR NEW TAP.
2. EXTEND EXISTING 6" UNDERDRAIN OUTLET PIPE AND INSTALL JUNCTION BOX. INSTALL PREMWERED CONDUIT IN UNDERDRAIN PIPE TO PROVIDE SLACK FOR NEW TAP.
3. ALL UNDERGROUND CONDUIT SHALL BE INSTALLED 1' FROM EDGE OF SHOULDER OR CURB AND A MINIMUM OF 2' BELOW GRADE.
4. PREMWERED CONDUIT SHALL BE CUT WITH A TUBING CUTTER AND BURRS REMOVED WITH FINE SANDPAPER.
5. CAST SPLICES SHALL BE USED IN UNDERGROUND JUNCTION BOXES.
6. LUMINAIRE TO BE POSITIONED OVER EDGE OF TRAVELED WAY.
7. THE CONTRACTOR SHALL REHABILITATE ALL AREAS DISTURBED BY HIS OPERATIONS. THIS WORK SHALL BE PERFORMED UNDER THE DIRECTION OF THE ENGINEER. COSTS FOR ALL REQUIRED REHABILITATION WILL BE CONSIDERED INCIDENTAL TO THE VARIOUS CONTRACT ITEMS AND NO SEPARATE PAYMENT WILL BE MADE.
8. ALL LIGHT STANDARDS SHALL HAVE 4" x 6" HANDHOLES AND BREAKAWAY DEVICES, UNLESS DIRECTED BY ENGINEER.



PROJECT DESIGN ENGINEER	BY	DATE
DESIGN - DETAILED		
CHECKED		
REVISIONS		
FIELD CHANGES		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN

SHEET 1 OF 1 AUGUSTA, MAINE

Revised As Built Richard Whamond 5/91