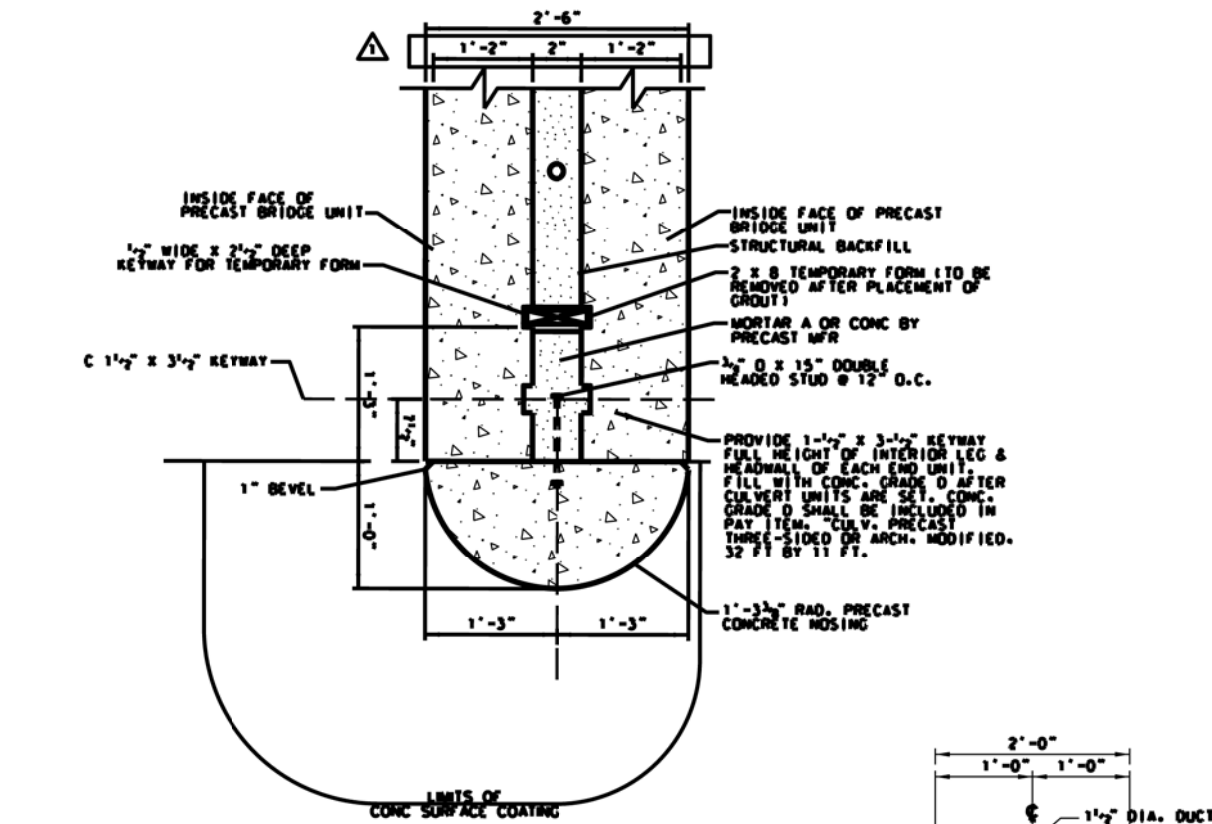
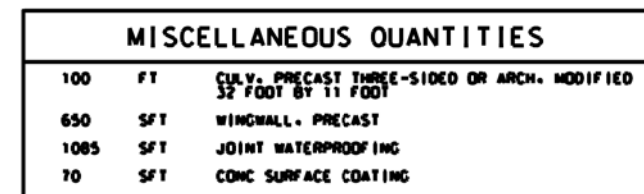
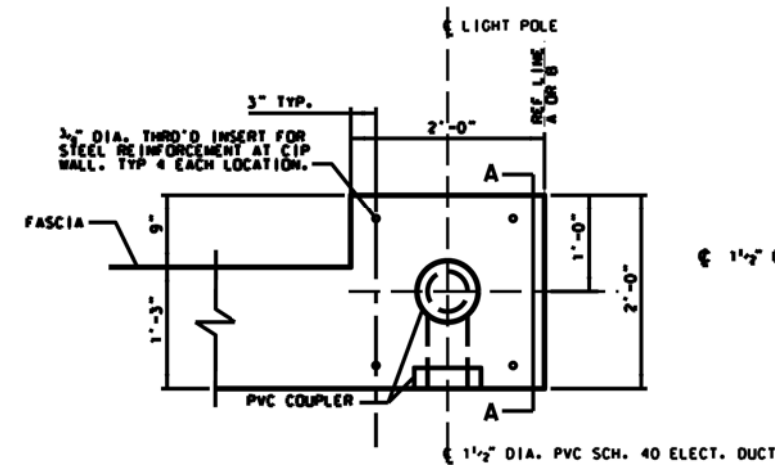




**PIER FASCIA DETAIL**  
SEE DEQUINORE CUT ELECTRICAL DRAWINGS  
FOR UNDERBRIDGE LIGHTING DIAGRAMS



### PRECAST HEADWALL DETAIL

(TYP. 4 CORNERS)

| TOP/HEADWALL ELEVATIONS |          |            |
|-------------------------|----------|------------|
| LOCATION                | REF LINE | ELEV (ODD) |
| NORTH HEADWALL          | 'A'      | 146.67     |
|                         | '1'      | 147.01     |
|                         | '8'      | 146.78     |
| SOUTH HEADWALL          | 'A'      | 146.67     |
|                         | '1'      | 147.01     |
|                         | '8'      | 146.78     |

**NOTES:**

JWP DENOTES JOINT WATERPROOFING

FOR DETAILS OF NAME PLATES, MOLDINGS AND BEVELS, SEE STD PLAN B-103 SERIES.

FOR NAME PLATE LOCATION, SEE GENERAL PLAN OF STRUCTURE SHEET.

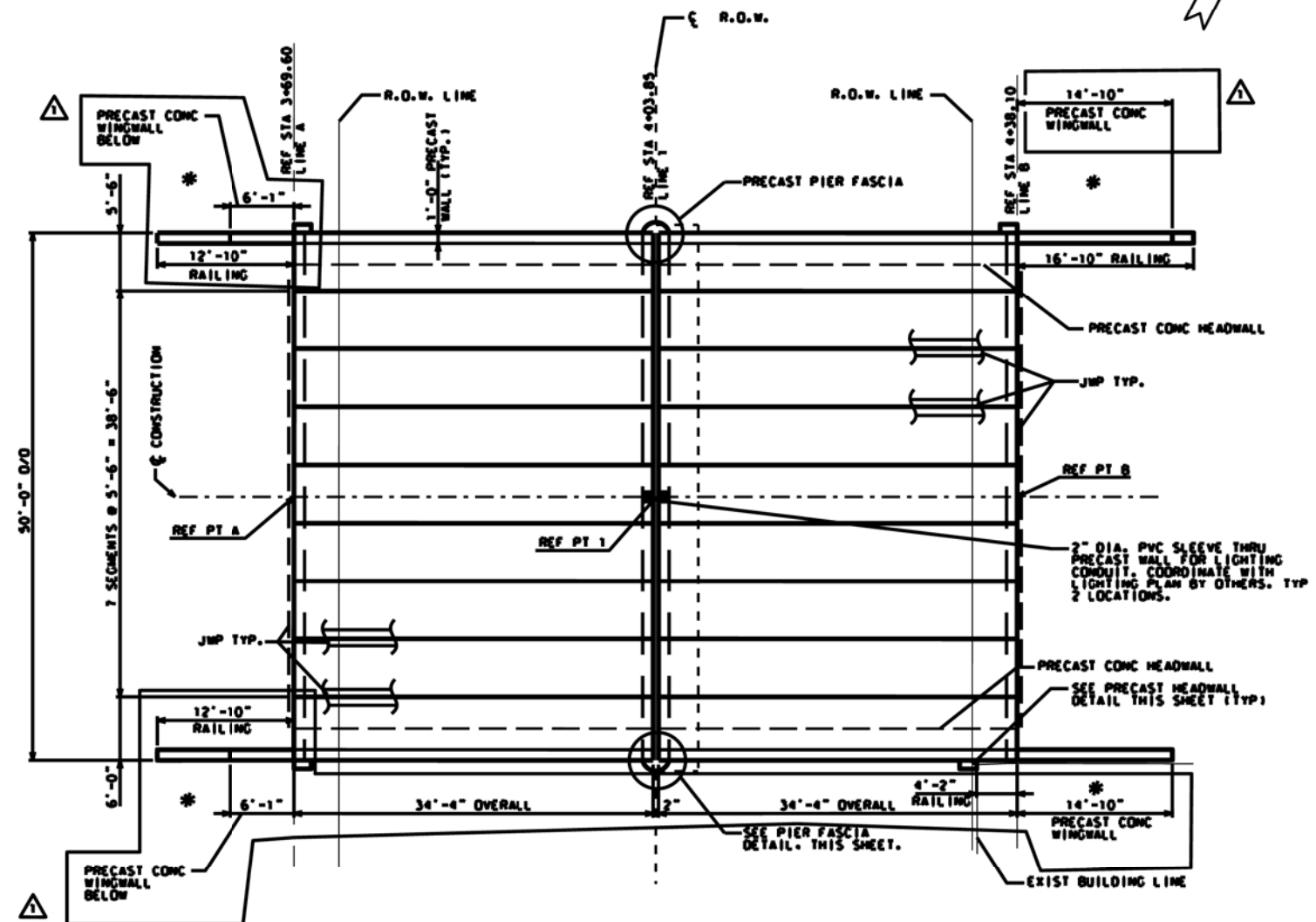
A RUBBED SURFACE FINISH ON THE VERTICAL OUTSIDE SURFACE OF THE PRECAST CONCRETE HEADWALLS IS REQUIRED ON THIS STRUCTURE.

COORDINATE LOCATION OF 1'-2" DIA. PVC CONDUIT @ HEADWALLS WITH RAILING DETAILS ON SHEET 26.

PRECAST PIER FASCIA SHALL BE INCLUDED IN THE PAY ITEM "CULV. PRECAST THREE-SIDED OR ARCH. MODIFIED, 32 FT BY 11 FT.

PRECAST CONCRETE HEADWALL IS INCLUDED IN PAY ITEM "CULV. PRECAST THREE-SIDED OR ARCH. MODIFIED, 32 FT BY 11 FT. ESTIMATED TOTAL LENGTH = 137 FT.

ALL PRECAST ELEMENTS SHALL HAVE 28 DAY STRENGTH  $f'c = 5,000$  PSI MINIMUM.



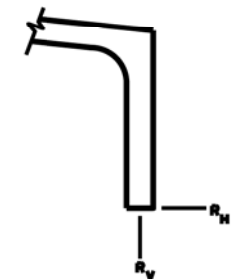
### PRECAST ARCH LAYOUT PLAN

• CONTRACTOR TO FIELD VERIFY PRECAST WALL LENGTHS PRIOR TO FABRICATION.

| DESCRIPTION | DEAD LOAD | LIVE LOAD | TOTAL LOAD |
|-------------|-----------|-----------|------------|
| RH (HORIZ)  | 2.9 K/FT  | 2.7 K/FT  | 5.6 K/FT   |
| RV (VERT)   | 17.1 K/FT | 6.4 K/FT  | 23.5 K/FT  |

REACTION NOTES:

REACTIONS SHOWN ARE UNFACTORED LOADS.  
LIVE LOAD REACTIONS SHOWN ARE MAXIMUM  
REACTION BASED ON VARYING AXLE LOAD  
POSITIONS.  
IMPACT IS NOT INCLUDED.  
DEAD LOAD REACTIONS INCLUDE PRECAST UNIT AND  
WEIGHT OF SOIL AT A UNIT WEIGHT OF 120 PCF.  
PRIOR TO START OF CONSTRUCTION, CONTRACTOR  
SHALL PROVIDE ENGINEER WITH REACTIONS FROM  
PRECAST MANUFACTURER FOR PROJECT.  
THE REACTIONS SHALL BE REVIEWED BY THE ENGINEER  
PRIOR TO PRECAST FABRICATION.



### PRECAST ARCH REACTIONS