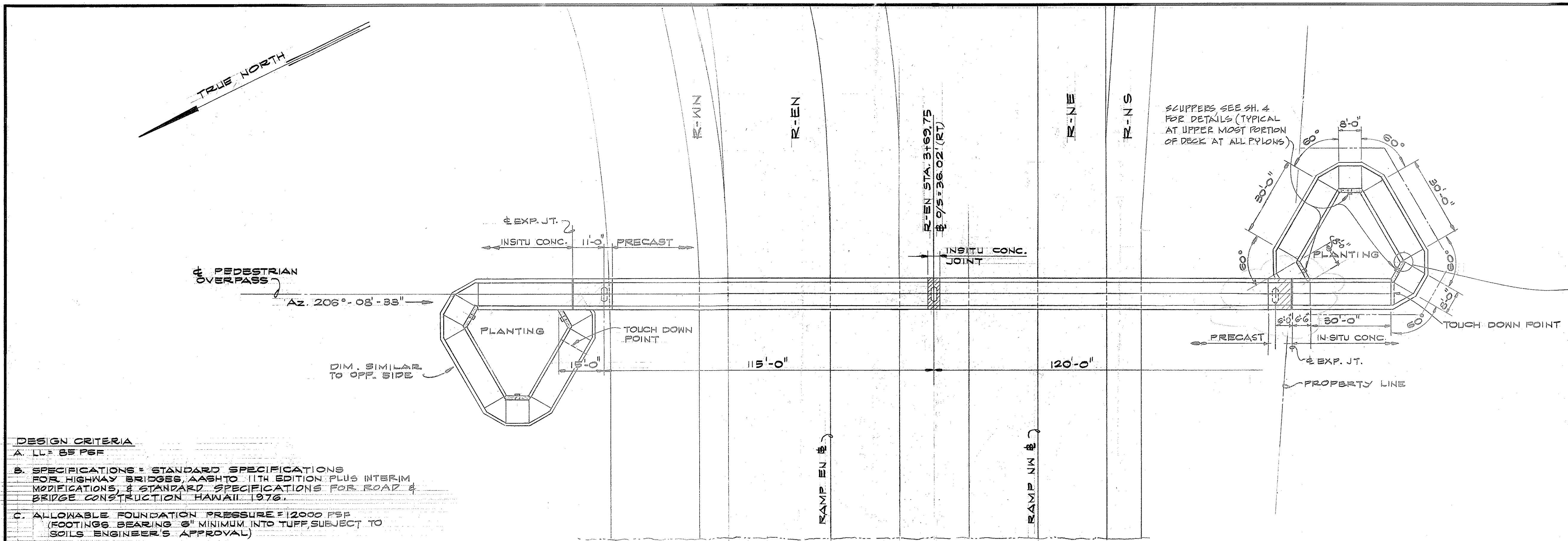


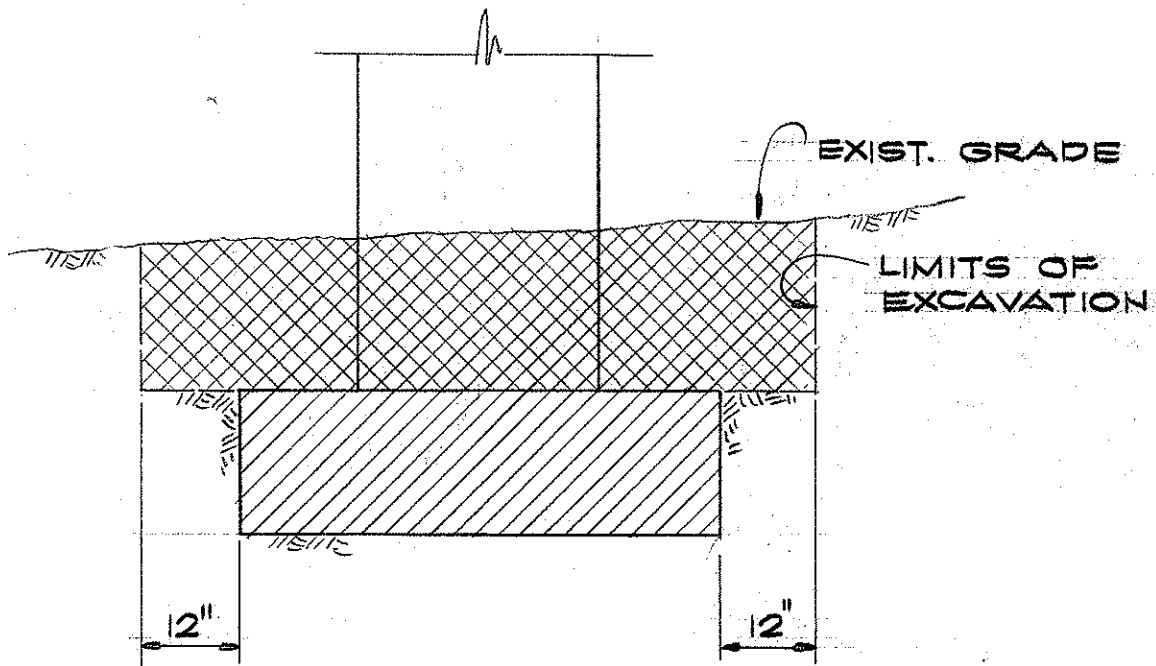
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | I-HI-1(143):15     | 1976        | 3         | 11           |



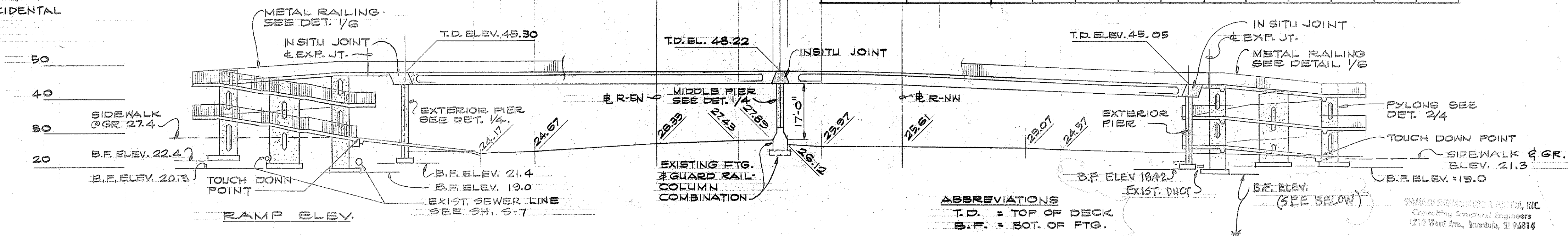
- DESIGN CRITERIA**
- A. LL = 85 PSF
  - B. SPECIFICATIONS - STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, AASHTO 11TH EDITION PLUS INTERIM MODIFICATIONS, & STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION HAWAII 1976.
  - C. ALLOWABLE FOUNDATION PRESSURE = 12000 PSF (FOOTINGS BEARING 8" MINIMUM INTO TUFF, SUBJECT TO SOILS ENGINEER'S APPROVAL)
  - D. 28 DAY CONCRETE STRENGTHS:
    - 1. PIERS, PRECAST DECK, INSITU JOINTS AND PRESTRESSED HOLLOW CORE PLANKS ..... 5000 PSI LIGHT WEIGHT
    - 2. PYLONS, CAST-IN-PLACE CONCRETE TOPPING, SLABS AND BEAMS ..... 3000 PSI LIGHT WEIGHT
    - 3. CONCRETE IN FOOTINGS CLASS A
  - E. REINFORCING STEEL, ASTM A615, GRADE 60 EXCEPT THAT #3 BARS MAY BE GRADE 40
  - F. WELDED WIRE FABRIC - ASTM A-185

- SPECIAL NOTES**
- SEE SH. 6 FOR SUPERSTRUCTURE CONSTRUCTION CONDITIONS & SEQUENCE.
  - THE CONTRACTOR SHALL PROVIDE, ERECT & MAINTAIN THE NECESSARY PORTABLE CONCRETE GUARD RAILS & SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF THE TEMPORARY SUPPORTS & SAFETY OF THE PUBLIC. TRAFFIC FACE OF THE GUARD RAIL SHALL BE AT LEAST 2'-0" FROM THE NEAREST TRAVELED WAY. PROVISIONS FOR PROTECTION OF THE TEMPORARY SUPPORTS SHALL NOT BE PAID FOR SEPARATELY & SHALL BE CONSIDERED INCIDENTAL TO THE ITEMS OF WORK REQUIRING THE TEMPORARY SUPPORTS.

| PEDESTRIAN-BIKEWAY OVERPASS |  | ESTIMATED QUANTITIES             |                                |                                 |                      |                                              |                                             |                                                                           |                      |                                          |  |
|-----------------------------|--|----------------------------------|--------------------------------|---------------------------------|----------------------|----------------------------------------------|---------------------------------------------|---------------------------------------------------------------------------|----------------------|------------------------------------------|--|
| ITEM NO.                    |  | 206                              | 206                            | 503                             | 503                  | 503                                          | 504                                         | 504                                                                       | 507                  | 602                                      |  |
|                             |  | .60                              | .65                            | .090                            | .091                 | .001                                         | .44                                         | .52                                                                       | .01                  | .070                                     |  |
| ITEM                        |  | STRUCTURE EXCAVATION FOR BRIDGES | STRUCTURE BACKFILL FOR BRIDGES | CONCRETE IN PEDESTRIAN OVERPASS | CONCRETE IN FOOTINGS | CONCRETE IN PRECAST PEDESTRIAN OVERPASS DECK | CONCRETE FOR PRESTRESSED HOLLOW CORE PLANKS | POST-TENSIONING OPERATION FOR CAST-IN-PLACE STRUCTURE PEDESTRIAN OVERPASS | METAL BRIDGE RAILING | REINFORCING STEEL IN PEDESTRIAN OVERPASS |  |
| UNIT USED                   |  | CUYD                             | CUYD                           | L.S.                            | L.S.                 | L.S.                                         | L.S.                                        | L.S.                                                                      | LFMT                 | L.S.                                     |  |
| PER OVERPASS                |  | 140                              | 99                             | 240 (C.Y.)                      | 235 (C.Y.)           | 145 (C.Y.)                                   | 3058 (S.F.)                                 | 12000 (LBS.)                                                              | 1718                 | 105114 (LBS.)                            |  |



**PAY LIMITS FOR STRUCTURAL EXCAVATION & BACKFILL**



**ABBREVIATIONS**

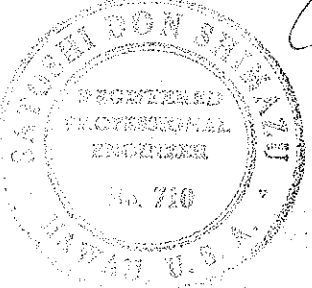
T.D. = TOP OF DECK

B.F. = BOT. OF FTG.

CHAMBERLAIN & ASSOCIATES, INC.  
Consulting Structural Engineers  
1210 Wood Ave., Honolulu, HI 96814

This work was prepared by me or under my supervision.

*[Signature]*



| 1-24-78 | MOVED SOUTHSIDE RAMP COMPLEX 2'-6" SOUTHWARD & LOWERED FTG. |
|---------|-------------------------------------------------------------|
| DATE    | REVISION                                                    |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

LAYOUT PLAN AND LONGITUDINAL SECTION

PEDESTRIAN-BIKEWAY OVERPASS  
PEARL HARBOR INTERCHANGE  
F.A.I. PROJ. No. I-HI-1(143):15

Scale: AS SHOWN Date: Oct. 1976

SHEET NO. 3 OF 11 SHEETS

|                   |  |
|-------------------|--|
| DATE              |  |
| SURVEY PLOTTED BY |  |
| ORIGINAL PLAN     |  |
| DRAWN BY          |  |
| TRACED BY         |  |
| NOTED BY          |  |
| QUANTITIES BY     |  |
| CHECKED BY        |  |
| NO.               |  |