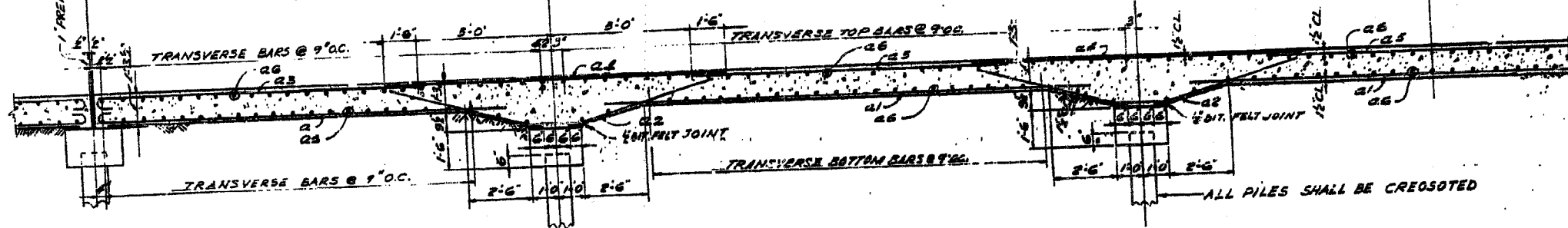


PLAN OF TYPICAL UNIT 'A'  
SCALE 3/8" = 1 FOOT

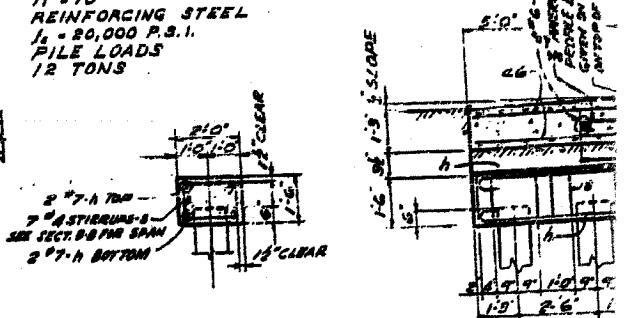


SECTION A-A

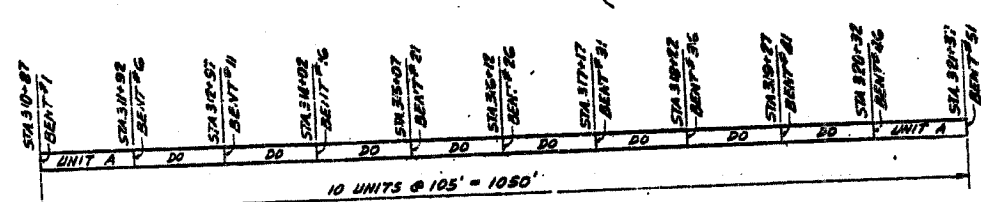
**NOTES!**  
CLASS 'X' CONCRETE SHALL BE USED THROUGHOUT.  
LENGTHS OF PILES GIVEN IN TABLE ARE DRIVEN  
LENGTHS OF SOUTH PILE IN EACH EXISTING BENT  
AS TAKEN FROM RECORDS OF THE DEPARTMENT  
DRIVE 3 TEST PILES AS DIRECTED BY THE ENGINEER  
BEFORE ORDERING REMAINDERS OF PILES.  
ALL PILES TO HAVE A MINIMUM CAPACITY OF 12,000 YARDS  
PROVE ELEVATIONS AS GIVEN ARE TO TOP OF SOUTH  
EDGE OF EXISTING CONCRETE SLAB AS INTERPOLATED  
FROM FIELD SURVEY AT EVEN STATIONS.  
TOP OF NEW CONCRETE SLAB SHALL BE FLUSH WITH  
TOP OF EXISTING SLAB AT THEIR JUNCTION.  
CONTRACTOR SHALL PLACE THE CONCRETE FOR THE NEW  
3'00" WIDE SLAB BETWEEN CONCRETE EXPANSION  
JOINTS IN THE CONTINUOUS OPERATIONS  
PROVISIONS.  
FINISH TOP OF PILE CAP SMOOTH WITH STEEL TROWEL  
AT EXPANSION JOINTS. PLACE LAYER OF ROLL ROOFING  
PAPER BETWEEN CAP AND SLAB  
EXCAVATION REQUIRED FOR PLACING PILE  
CAPS AND BENTS TO BE INCIDENTAL TO  
THE CONTRACT.

DESIGN LOADS  
L.L. H20-R12-44  
D.L. 1.5' BITUMINOUS WEARING SURFACE

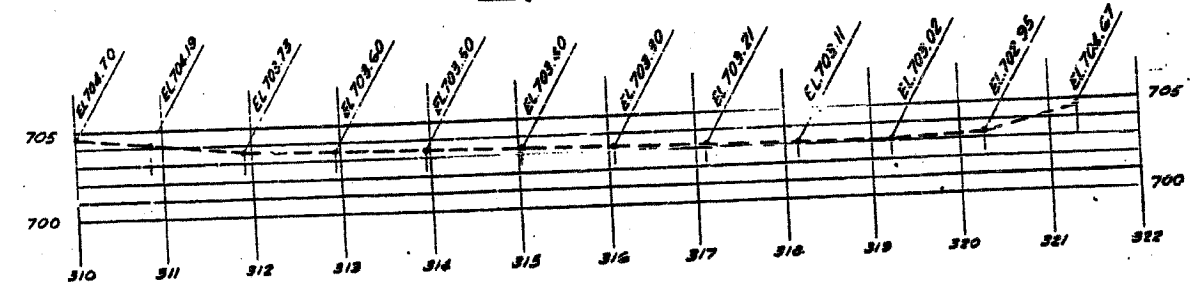
DESIGN STRESSES  
CONCRETE  
f<sub>c</sub> = 3,500 P.S.I.  
f<sub>c</sub> = 1,400 P.S.I.  
f<sub>t</sub> = 10  
REINFORCING STEEL  
f<sub>s</sub> = 20,000 P.S.I.  
PILE LOADS  
12 TONS



SECTION THRU PILE CAP SECTION



PLAN



PROFILE ALONG EDGE OF PAVEMENT

TABLE SHOWING LENGTHS OF PILES  
AT BENTS NO. 1 TO NO. 51

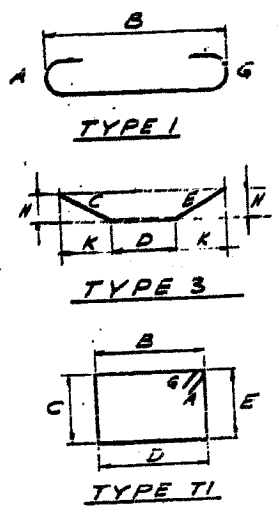
| BENT | STATION | LENGTH | BENT | STATION | LENGTH |
|------|---------|--------|------|---------|--------|
| 1    | 310+27  | 15     | 27   | 316+30  | 25     |
| 2    | 311+28  | 18     | 28   | 316+58  | 28     |
| 3    | 311+28  | 18     | 29   | 316+76  | 28     |
| 4    | 311+28  | 18     | 30   | 316+89  | 25     |
| 5    | 311+28  | 20     | 31   | 317+17  | 25     |
| 6    | 311+28  | 20     | 32   | 317+35  | 25     |
| 7    | 312+10  | 20     | 33   | 317+38  | 28     |
| 8    | 312+23  | 20     | 34   | 317+37  | 28     |
| 9    | 312+26  | 20     | 35   | 318+26  | 28     |
| 10   | 312+29  | 20     | 36   | 318+28  | 28     |
| 11   | 312+29  | 20     | 37   | 318+40  | 28     |
| 12   | 312+18  | 20     | 38   | 318+23  | 28     |
| 13   | 312+28  | 20     | 39   | 318+26  | 28     |
| 14   | 312+28  | 20     | 40   | 318+26  | 28     |
| 15   | 312+28  | 20     | 41   | 318+28  | 28     |
| 16   | 312+28  | 20     | 42   | 318+28  | 28     |
| 17   | 312+28  | 20     | 43   | 318+28  | 28     |
| 18   | 312+28  | 20     | 44   | 318+28  | 28     |
| 19   | 312+28  | 20     | 45   | 318+28  | 28     |
| 20   | 312+28  | 20     | 46   | 318+28  | 28     |
| 21   | 312+28  | 20     | 47   | 318+28  | 28     |
| 22   | 312+28  | 20     | 48   | 318+28  | 28     |
| 23   | 312+28  | 20     | 49   | 318+28  | 28     |
| 24   | 312+28  | 20     | 50   | 318+28  | 28     |
| 25   | 312+28  | 20     | 51   | 318+28  | 28     |
| 26   | 312+28  | 20     |      |         |        |

TOTAL BILL OF MATERIAL

| ITEM                                     | UNIT     | QUANTITY |
|--|----------|----------|
| CLASS X CONCRETE                         | CKYDS.   | 2976     |
| REINFORCEMENT BARS                       | LBS.     | 70,310   |
| TEST PILES (TIMBER)                      | EACH     | 3        |
| FURNISHING CRESOTED PILES UP TO 20 FT.   | LIN. FT. | 1210     |
| FURNISHING CRESOTED PILES 20.1 TO 36 FT. | LIN. FT. | 1026     |
| DRIVING TIMBER PILES                     | LIN. FT. | 2306     |

REINFORCEMENT B

| NO.                         | REQD. SIZE | LENGTH | AMOUNT | A  | B     | C      | D    | E |
|-----------------------------|------------|--------|--------|----|-------|--------|------|---|
| TOTAL REQUIRED FOR STRAIGHT |            |        |        |    |       |        |      |   |
| 210                         | 10         | 19'5"  | a1     |    |       |        |      |   |
| 280                         | 10         | 13'0"  | a4     |    |       |        |      |   |
| 290                         | 16         | 19'0"  | a5     |    |       |        |      |   |
| BENT BARS                   |            |        |        |    |       |        |      |   |
| 180                         | 10         | 17'7"  | a      | 1  | 11'5" | 16'2"  |      |   |
| 208                         | 17         | 6'4"   | b      | 1  | 10'   | 2'8"   |      |   |
| 180                         | 16         | 13'6"  | a5     | 1  | 8'    | 12'10" |      |   |
| 280                         | 15         | 13'4"  | a2     | 3  |       |        | 5'9" |   |
| 357                         | 14         | 6'3"   | 5      | 71 | 42    | 1'9"   | 1'3" |   |



FOR INFORMATION ONLY

SPEC I  
PILE SUPPORT  
FA. ROUTE 2  
LA