

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



BUREAU OF HIGHWAYS
CUMBERLAND COUNTY
SOUTH PORTLAND-PORTLAND
MAINE FEDERAL AID INTERSTATE
PROJECT NO. I-295-3(76)47
TOTAL LENGTH 3.678 MILES
A PAVING PROJECT

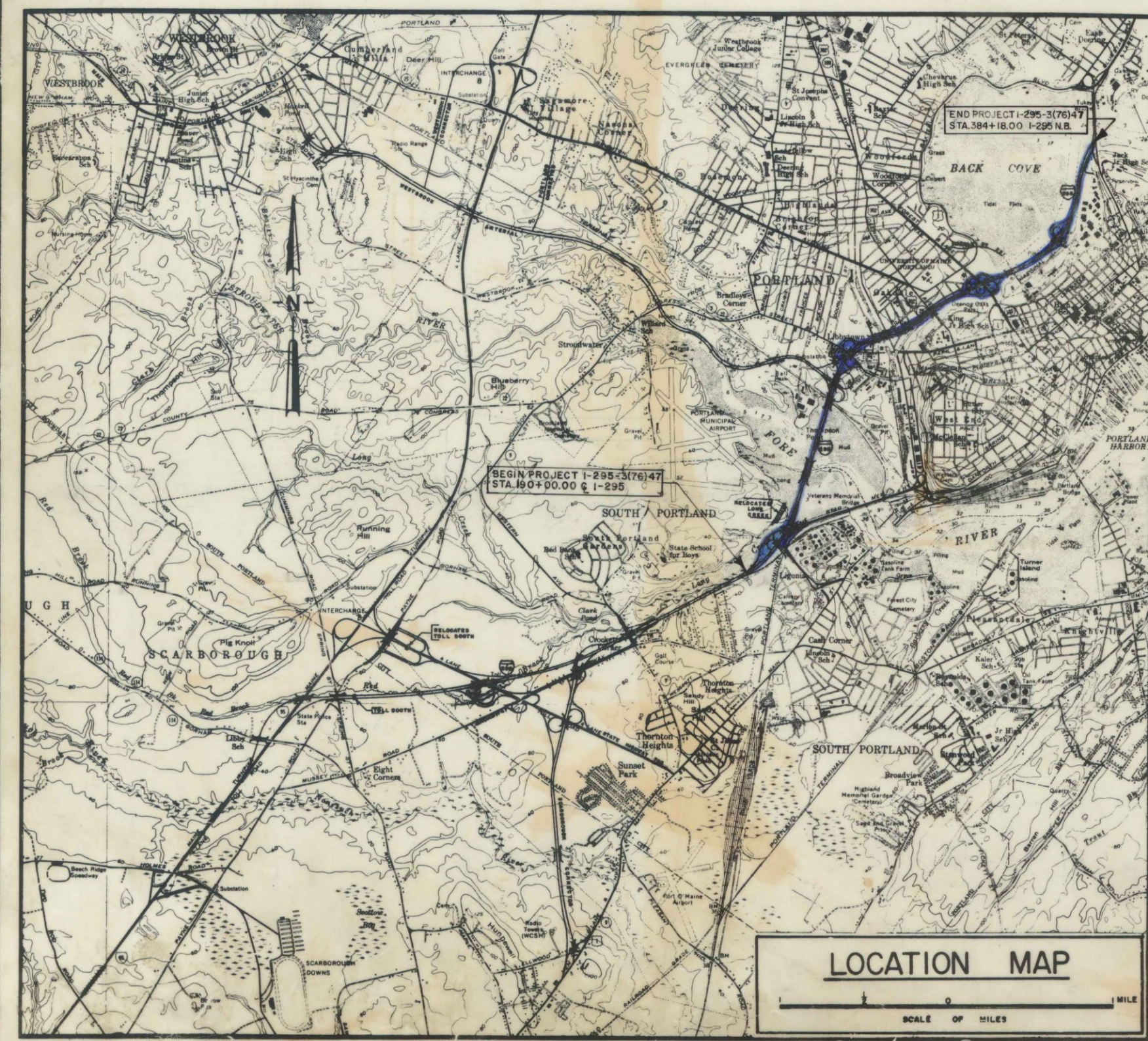
CONVENTIONAL SIGNS		
COUNTY LINES	----	TRAVELLED WAY - PROPOSED
TOWN LINES	----	UNDERGROUND UTILITIES - EXISTING
PROPERTY LINES	----	UNDERGROUND UTILITIES - PROPOSED
R/W LINES - EXISTING	----	RAILROAD - SINGLE TRACK
R/W LINES - NEW - ACCESS CONTROL	----	RAILROAD - DOUBLE TRACK
R/W LINES - NEW - NO ACCESS CONTROL	----	UTILITY POLE - EXISTING
CULVERT - EXISTING	----	UTILITY POLE - JOINT OCCUPANCY
CULVERT - PROPOSED	----	PROPOSED UTILITY POLE - TEMPORARY
CURBING - EXISTING	----	PROPOSED UTILITY POLE - PERMANENT
CURBING - PROPOSED	----	TREES
TRAVELLED WAY - EXISTING	----	WOODS

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SCALES
PLANS 1" = 50'
PROFILES VERT. 1" = 5'
HOR. 1" = 50'
CROSS SECTIONS 1" = 10'
OR AS NOTED

BUILT 1974

TRAFFIC DATA	
A.D.T. 1974	26210
A.D.T. 1994	42120
D.H.V.	4212
T. (%)	11
D. (%)	55
V.	50 M.P.H.
P.S.D. (%)	N.A.
18 KIPS	9.79



NOTE
ALL WORK CONTEMPLATED UNDER THIS CONTRACT
SHALL BE GOVERNED BY AND IN CONFORMITY WITH
THE STANDARD SPECIFICATIONS (REVISION OF JUNE
1968) AND SUPPLEMENTS THERETO, EXCEPT AS MOD-
IFIED ON THE PLANS AND IN THE SPECIAL PROVIS-
IONS.

APPROVED:
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
COMMISSIONER
DATE
JULIE -15- 1973
JUNE -15- 1973



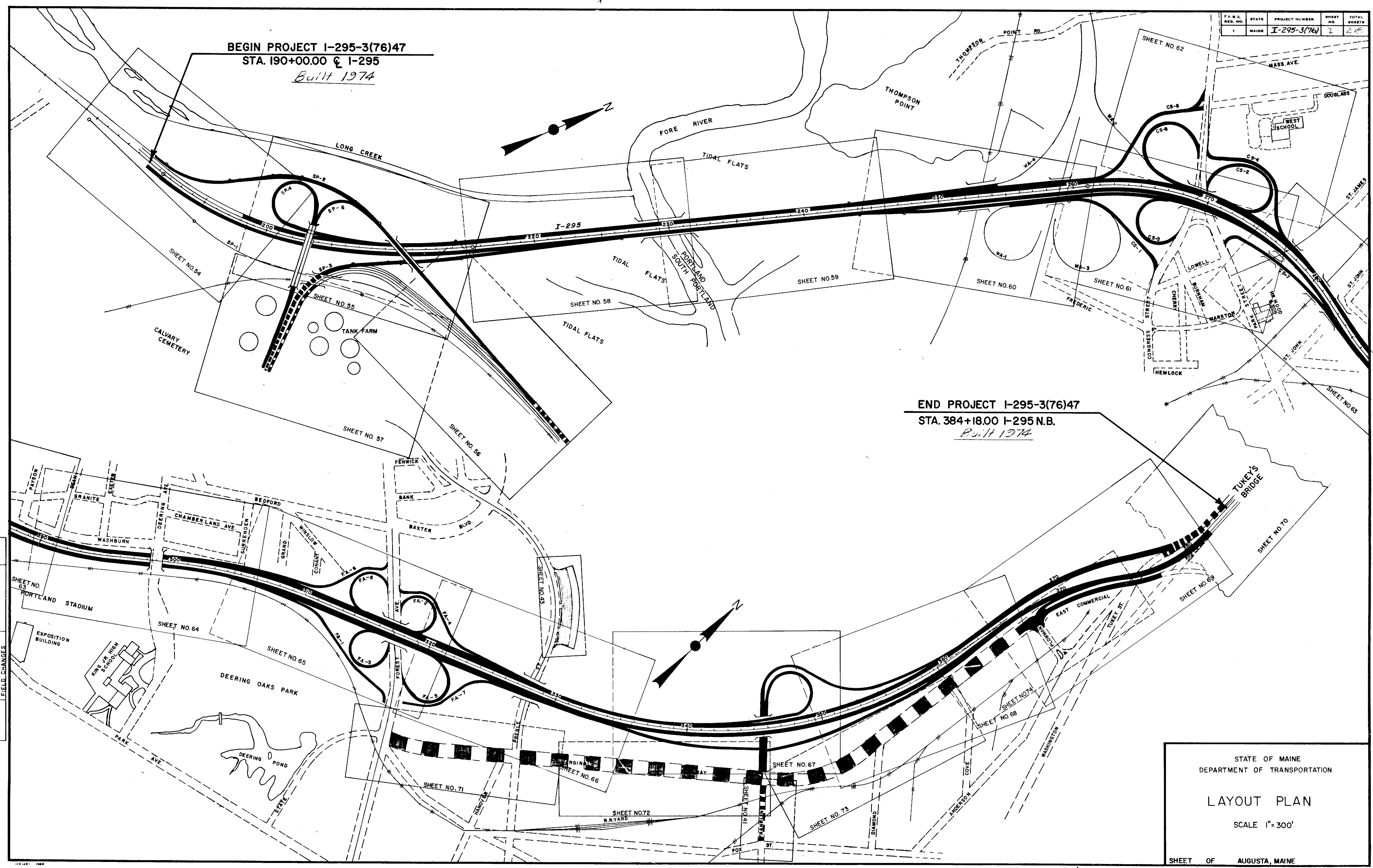
UNITED STATES
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
REGION 1
APPROVED:
DIVISION ENGINEER
DATE

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-295-3(76)	2	215

BEGIN PROJECT I-295-3(76)47
STA. 190+00.00 & I-295
Built 1974

END PROJECT I-295-3(76)47
STA. 384+18.00 I-295 N.B.
Built 1974

PLANS	DESIGN - DETAILED	CHECKED	REVISIONS	FIELD CHANGES
	BY	DATE		



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

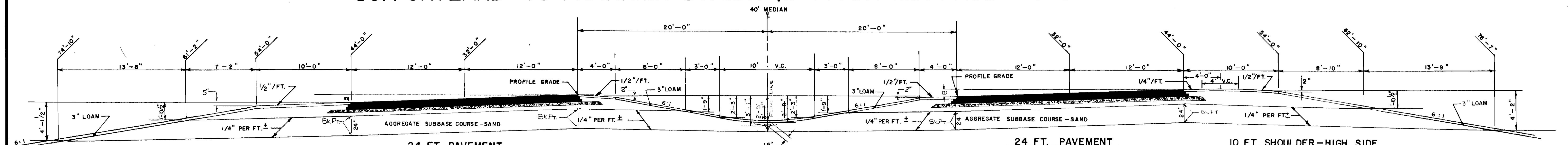
LAYOUT PLAN

SCALE 1"=300'

SHEET OF AUGUSTA, MAINE

3" HOT BITUMINOUS PAVEMENT SO. PORTLAND TO FRANKLIN STREET (3" PLANT MIX BASE COURSE)

F.N.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-295-2(76)	3	15



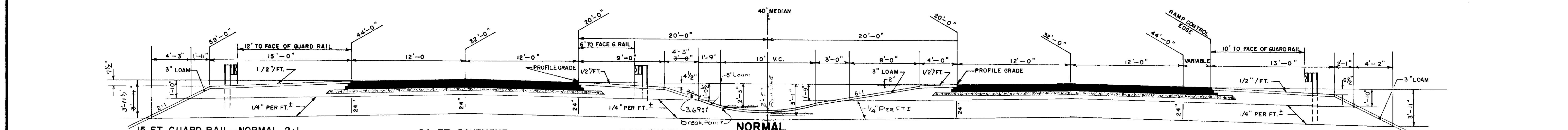
10 FT. SHOULDER NORMAL LOW SIDE
 AGGREGATE SUBBASE COURSE - GRAVEL = 53.01 CU. YDS. PER 100 LIN. FT.
 AGGREGATE SUBBASE COURSE - SAND = 176.23 CU. YDS. PER 100 LIN. FT.

24 FT. PAVEMENT
 4" AGGREGATE BASE COURSE - CRUSHED = 35.39 CU. YDS. PER 100 LIN. FT. (29' WIDE)
 5" AGGREGATE SUBBASE COURSE - GRAVEL = 37.04 CU. YDS. PER 100 LIN. FT. (24' WIDE)
 24" AGGREGATE SUBBASE COURSE - SAND = 177.78 CU. YDS. PER 100 LIN. FT. (24' WIDE)

SUPERELEVATION
 MEDIAN - INCLUDING INSIDE SHOULDERS
 AGGREGATE SUBBASE COURSE - GRAVEL = 66.76 CU. YDS. PER 100 LIN. FT.
 AGGREGATE SUBBASE COURSE - SAND = 196.92 CU. YDS. PER 100 LIN. FT.

24 FT. PAVEMENT
 4" AGGREGATE BASE COURSE - CRUSHED = 35.39 CU. YDS. PER 100 LIN. FT.
 5" AGGREGATE SUBBASE COURSE - GRAVEL = 37.04 CU. YDS. PER 100 LIN. FT.
 24" AGGREGATE SUBBASE COURSE - SAND = 177.78 CU. YDS. PER 100 LIN. FT.

10 FT. SHOULDER - HIGH SIDE
 AGGREGATE SUBBASE COURSE - GRAVEL = 53.01 CU. YDS. PER 100 LIN. FT.
 AGGREGATE SUBBASE COURSE - SAND = 191.05 CU. YDS. PER 100 LIN. FT.

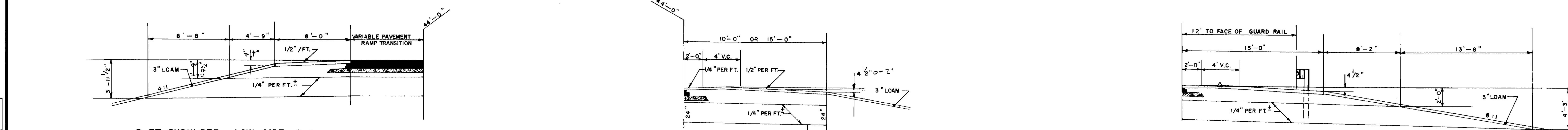


15 FT. GUARD RAIL-NORMAL 2:1
 AGGREGATE SUBBASE COURSE - GRAVEL = 59.99 CU. YDS. PER 100 LIN. FT.
 AGGREGATE SUBBASE COURSE - SAND = 142.34 CU. YDS. PER 100 LIN. FT.

24 FT. PAVEMENT
 QUANTITIES SAME AS ABOVE

9 FT. GUARD RAIL PIER PROTECTION
 AGGREGATE SUBBASE COURSE - GRAVEL = 44.59 CU. YDS. PER 100 LIN. FT.
 AGGREGATE SUBBASE COURSE - SAND = 134.01 CU. YDS. PER 100 LIN. FT.

13 FT. GUARD RAIL-NORMAL 2:1
 AGGREGATE SUBBASE COURSE - GRAVEL = 54.33 CU. YDS. PER 100 LIN. FT.
 AGGREGATE SUBBASE COURSE - SAND = 126.92 CU. YDS. PER 100 LIN. FT.



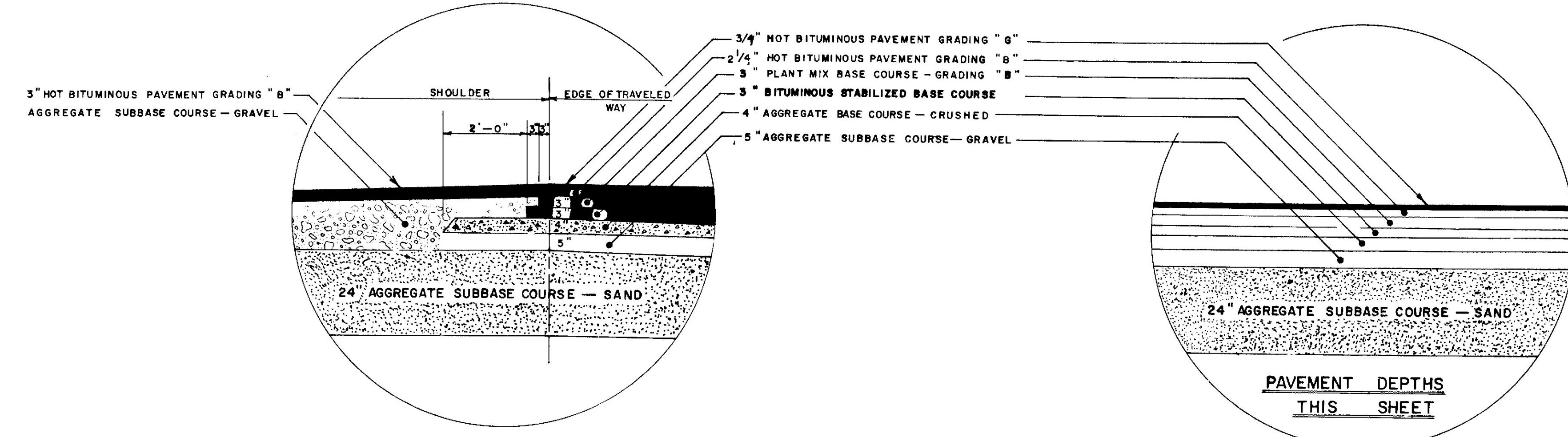
8 FT. SHOULDER - LOW SIDE 4:1
 AGGREGATE SUBBASE COURSE - GRAVEL = 40.91 CU. YDS. PER 100 LIN. FT.
 AGGREGATE SUBBASE COURSE - SAND = 125.80 CU. YDS. PER 100 LIN. FT.

10 FT. SHOULDER
 AGGREGATE SUBBASE COURSE - GRAVEL = 46.3 CU. YDS. PER 100 LIN. FT.
 AGGREGATE SUBBASE COURSE - SAND = 74.07 CU. YDS. PER 100 LIN. FT.

15 FT. SHOULDER
 AGGREGATE SUBBASE COURSE - GRAVEL = 72.51 CU. YDS. PER 100 LIN. FT.
 AGGREGATE SUBBASE COURSE - SAND = 111.11 CU. YDS. PER 100 LIN. FT.

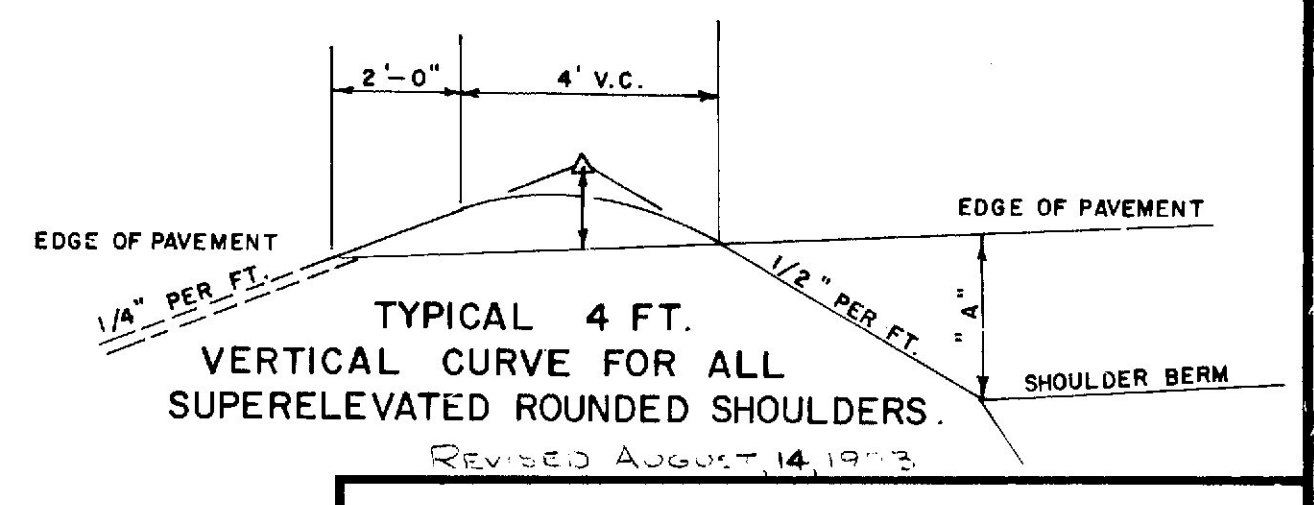
15 FT. GUARD RAIL - HIGH SIDE PIER PROTECTION
 AGGREGATE SUBBASE COURSE - GRAVEL = 87.51 CU. YDS. PER 100 LIN. FT.
 AGGREGATE SUBBASE COURSE - SAND = 220.29 CU. YDS. PER 100 LIN. FT.

DATE	1/1/73
BY	SEA
DESIGN - DETAILED	
CHECKED	
REVISIONS	
FIELD CHANGES	
PLANS	



NOTE:
FOR LIMIT OF EXISTING
CONSTRUCTION SEE PROFILES.

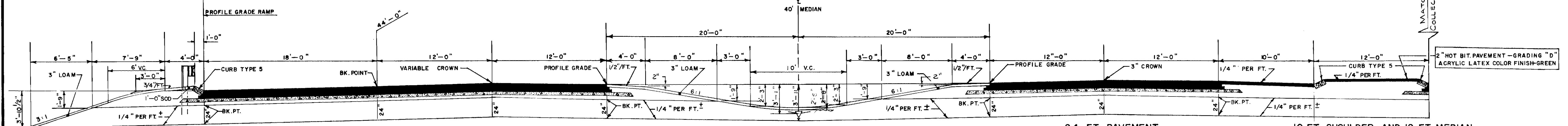
NOTE: THE PAVEMENT
BASE AND SUBBASE DEPTHS AS SHOWN
ON THE PLANS ARE INTENDED TO BE
NOMINAL.



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
1-295
STA. 190+00 TO STA. 252+30 ±
 SHEET OF AUGUSTA, MAINE

NOTE:
THE 18' AND 24' PAVEMENT SHOWN BELOW
APPLY AT THE RAMP CS-6 ACCEL. LANE. THE
SAME TYPICAL APPLIES AT RAMP CS-2 ACCEL.
LANE EXCEPT THAT THE 24' PAVEMENT IS
BANKED UP AT 1/2" PER FT. AND THE 18'
PAVEMENT HAS A VARIABLE CROSS SLOPE.

3" HOT BITUMINOUS PAVEMENT SO. PORTLAND TO FRANKLIN STREET 3" PLANT MIX BASE COURSE



4 FT. BERM 3:1 SLOPE

47.79
AGGREGATE SUBBASE COURSE - GRAVEL = 45.55 CU. YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE - SAND = 110.55 CU. YDS. PER 100 LIN. FT.

18 FT. PAVEMENT

4" AGGREGATE BASE COURSE - CRUSHED = 25.10 CU. YDS. PER 100 LIN. FT.
5" AGGREGATE SUBBASE COURSE - GRAVEL = 27.78 CU. YDS. PER 100 LIN. FT.
24" AGGREGATE SUBBASE COURSE - SAND = 133.33 CU. YDS. PER 100 LIN. FT.

MEDIAN

MEDIAN INCLUDING INSIDE SHOULDERS

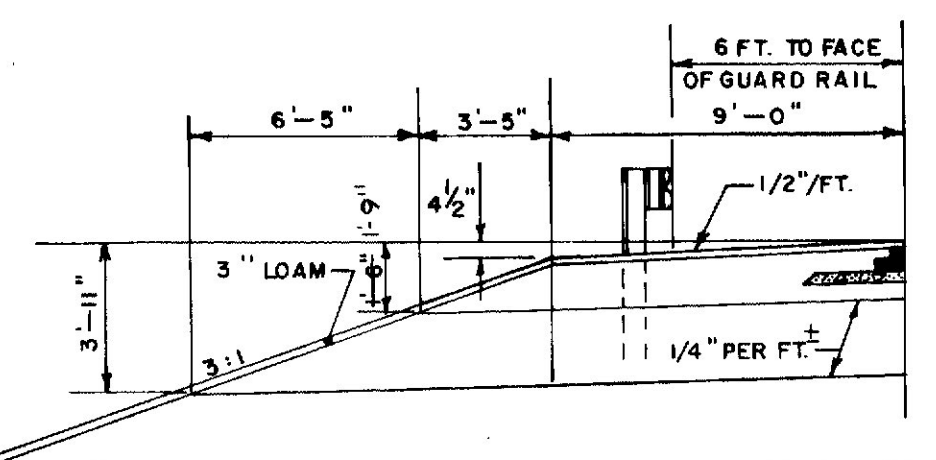
63.22
AGGREGATE SUBBASE COURSE - GRAVEL = 64.02 CU. YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE - SAND = 266.92 CU. YDS. PER 100 LIN. FT.

24 FT. PAVEMENT

4" AGGREGATE BASE COURSE - CRUSHED = 35.39 CU. YDS. PER 100 LIN. FT.
5" AGGREGATE SUBBASE COURSE - GRAVEL = 37.04 CU. YDS. PER 100 LIN. FT.
24" AGGREGATE SUBBASE COURSE - SAND = 177.78 CU. YDS. PER 100 LIN. FT.

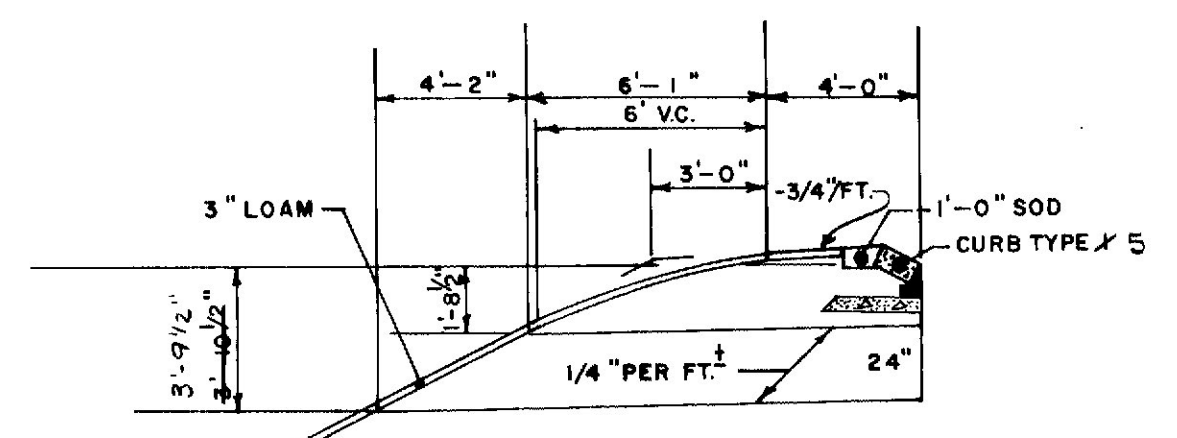
10 FT. SHOULDER AND 12 FT. MEDIAN

124.65
AGGREGATE SUBBASE COURSE - GRAVEL = 136.07 CU. YDS. PER 100 LIN. FT.
24" AGGREGATE SUBBASE COURSE - SAND = 162.96 CU. YDS. PER 100 LIN. FT.



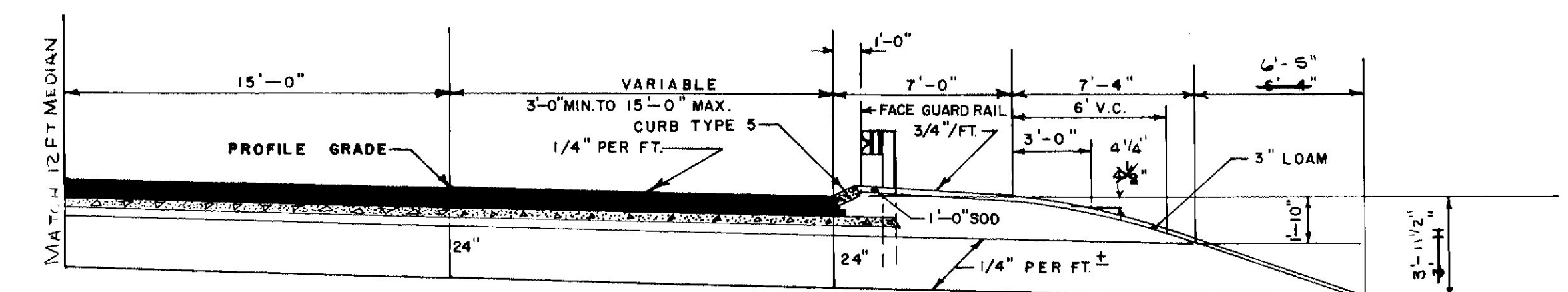
9 FT. SHOULDER GUARD RAIL - 3:1 SLOPE

AGGREGATE SUBBASE COURSE - GRAVEL = 41.55 CU. YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE - SAND = 116.60 CU. YDS. PER 100 LIN. FT.



4 FT. BERM - 2:1 SLOPE

43.14
AGGREGATE SUBBASE COURSE - GRAVEL = 38.64 CU. YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE - SAND = 69.16 CU. YDS. PER 100 LIN. FT.



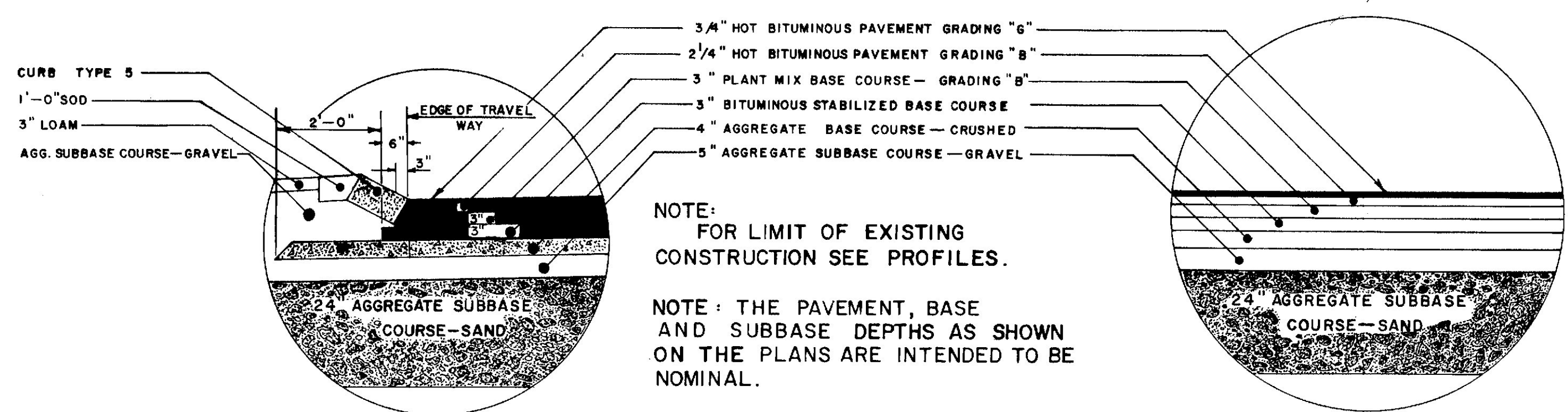
COLLECTOR DISTRIBUTOR

15 FT. PAVEMENT

18.52
4" AGGREGATE BASE COURSE - CRUSHED = 21.40 CU. YDS. PER 100 LIN. FT.
5" AGGREGATE SUBBASE COURSE - GRAVEL = 23.15 CU. YDS. PER 100 LIN. FT.
24" AGGREGATE SUBBASE COURSE - SAND = 111.11 CU. YDS. PER 100 LIN. FT.

7 FT. BERM GUARD RAIL - 3:1 SLOPE

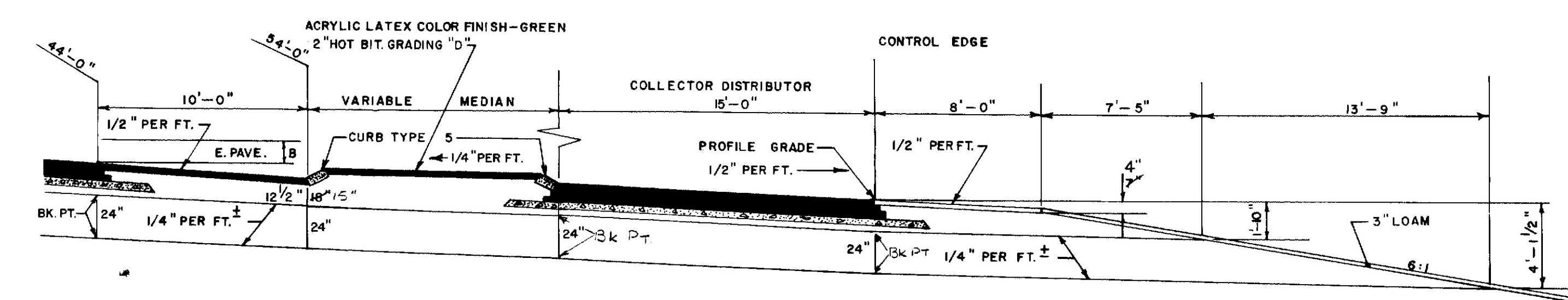
61.95
AGGREGATE SUBBASE COURSE - GRAVEL = 59.81 CU. YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE - SAND = 127.95 CU. YDS. PER 100 LIN. FT.



NOTE:
FOR LIMIT OF EXISTING
CONSTRUCTION SEE PROFILES.

NOTE: THE PAVEMENT, BASE
AND SUBBASE DEPTHS AS SHOWN
ON THE PLANS ARE INTENDED TO BE
NOMINAL.

PAVEMENT DEPTHS THIS SHEET



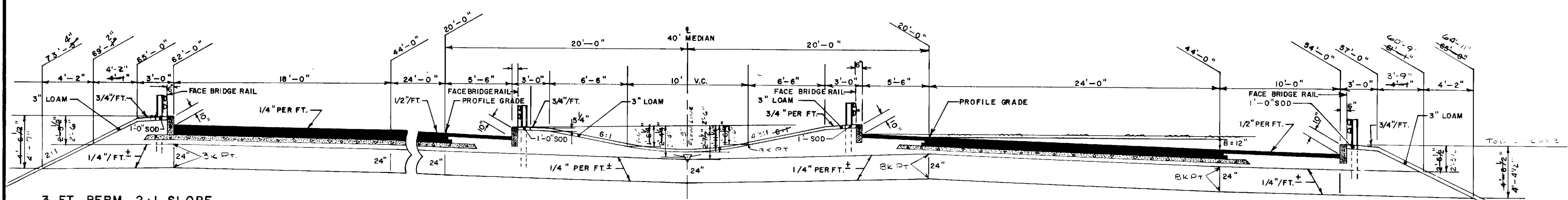
10 FT. SHOULDER

38.82
AGGREGATE SUBBASE COURSE - GRAVEL = 36.68 CU. YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE - SAND = 74.07 CU. YDS. PER 100 LIN. FT.

8 FT. SHOULDER 6:1 SLOPE

AGGREGATE SUBBASE COURSE GRAVEL = 46.06 CU. YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE SAND = 164.96 CU. YDS. PER 100 LIN. FT.

NOTE:
FOR TYPICAL SECTIONS SHOWING THE 10' SHOULDER-HIGH SIDE,
9' MEDIAN SHOULDER AND SUPERELEVATED 24' PAVEMENT SEE
TYPICAL SECTION SHEET ENTITLED "I-295 STA. 190+00 TO STA.
252+30 ±."



3 FT. BERM 2:1 SLOPE

32.41
AGGREGATE SUBBASE COURSE - GRAVEL = 34.44 CU. YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE - SAND = 63.34 CU. YDS. PER 100 LIN. FT.

CURBED MEDIAN (INCLUDING INSIDE SHOULDERS)

ST. JAMES TO ST. JOHN STREET

184.80
AGGREGATE SUBBASE COURSE - GRAVEL = 266.72 CU. YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE - SAND = 296.30 CU. YDS. PER 100 LIN. FT.

10 FT. SHOULDER WITH CURB

69.39
AGGREGATE SUBBASE COURSE - GRAVEL = 34.44 CU. YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE - SAND = 139.20 CU. YDS. PER 100 LIN. FT.

DATE	1/15/75
BY	6882
DESIGN - DETAILED	
CHECKED	
REVISIONS	
FIELD CHANGES	

PLANS

STATE OF MAINE DEPARTMENT OF TRANSPORTATION TYPICAL SECTIONS

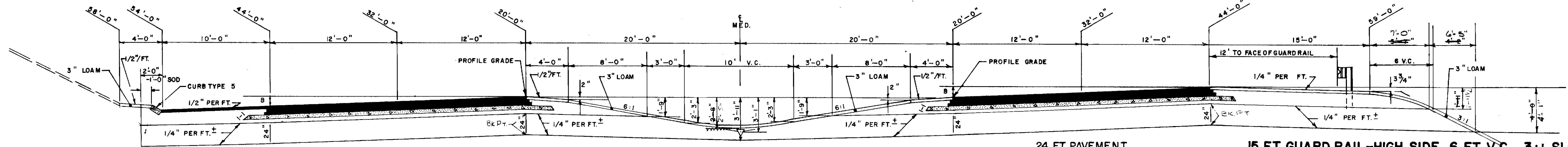
I-295
STA. 253+80 ± TO STA. 282+20 ±

SHEET OF AUGUSTA, MAINE

295 PORTLAND

3" HOT BITUMINOUS PAVEMENT SO. PORTLAND TO FRANKLIN STREET (3" PLANT MIX BASE COURSE)

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-295-2(16)	5	218



10 FT. BOX SHOULDER

AGGREGATE SUBBASE COURSE - GRAVEL = 47.72 CU. YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE - SAND = 88.88 CU. YDS. PER 100 LIN. FT.

24 FT. PAVEMENT

4" AGGREGATE BASE COURSE - CRUSHED = 30.23 CU. YDS. PER 100 LIN. FT.
5" AGGREGATE SUBBASE COURSE - GRAVEL = 37.04 CU. YDS. PER 100 LIN. FT.
24" AGGREGATE SUBBASE COURSE - SAND = 177.78 CU. YDS. PER 100 LIN. FT.

SUPERELEVATION

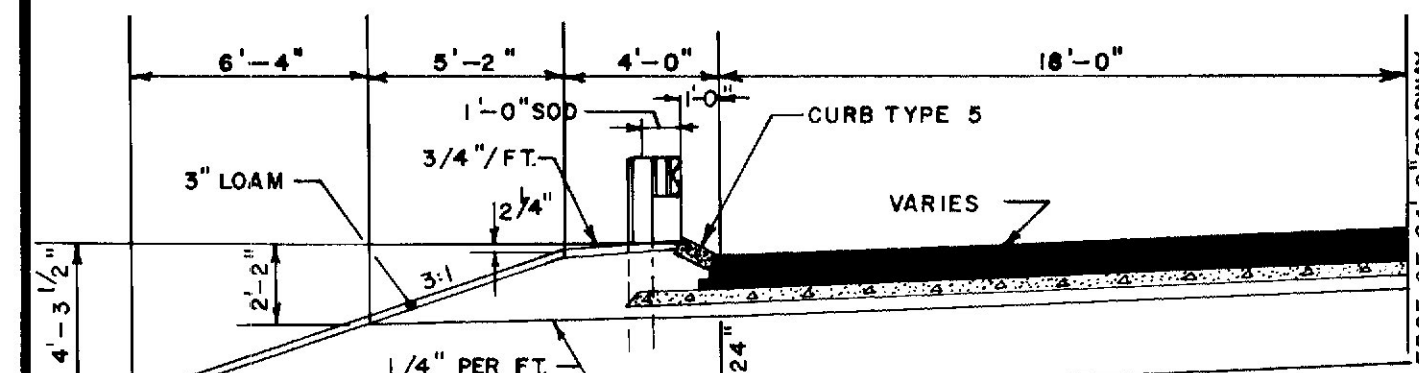
MEDIAN - INCLUDING INSIDE SHOULDERS
AGGREGATE SUBBASE COURSE - GRAVEL = 55.24 CU. YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE - SAND = 266.92 CU. YDS. PER 100 LIN. FT.

24 FT. PAVEMENT

4" AGGREGATE BASE COURSE - CRUSHED = 35.39 CU. YDS. PER 100 LIN. FT.
5" AGGREGATE SUBBASE COURSE - GRAVEL = 37.04 CU. YDS. PER 100 LIN. FT.
24" AGGREGATE SUBBASE COURSE - SAND = 177.78 CU. YDS. PER 100 LIN. FT.

15 FT. GUARD RAIL-HIGH SIDE 6 FT. V.C. 3:1 SLOPE

AGGREGATE SUBBASE COURSE - GRAVEL = 87.20 CU. YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE - SAND = 167.66 CU. YDS. PER 100 LIN. FT.

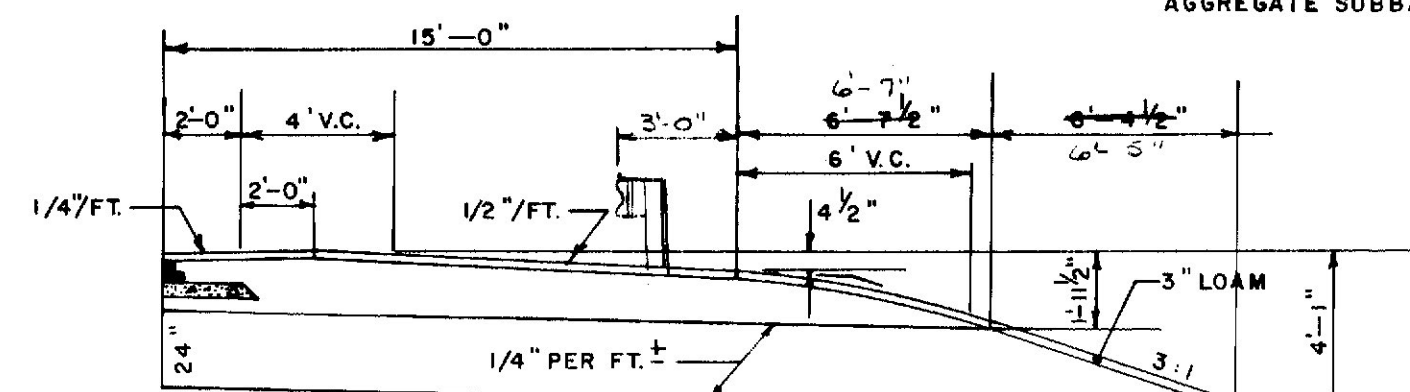


4 FT. BERM-GUARD RAIL 3:1 SLOPE

AGGREGATE SUBBASE COURSE - GRAVEL = 34.55 CU. YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE - SAND = 91.04 CU. YDS. PER 100 LIN. FT.

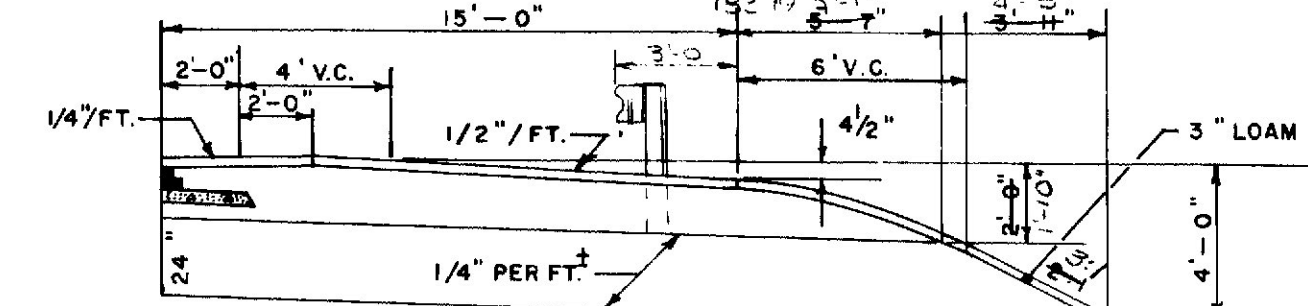
18 FT. PAVEMENT

AGGREGATE BASE COURSE - CRUSHED = 25.10 CU. YDS. PER 100 LIN. FT. (20'-6" WIDE)
AGGREGATE SUBBASE COURSE - GRAVEL = 27.76 CU. YDS. PER 100 LIN. FT. (18'-0" WIDE)
AGGREGATE SUBBASE COURSE - SAND = 133.33 CU. YDS. PER 100 LIN. FT. (16'-0" WIDE)



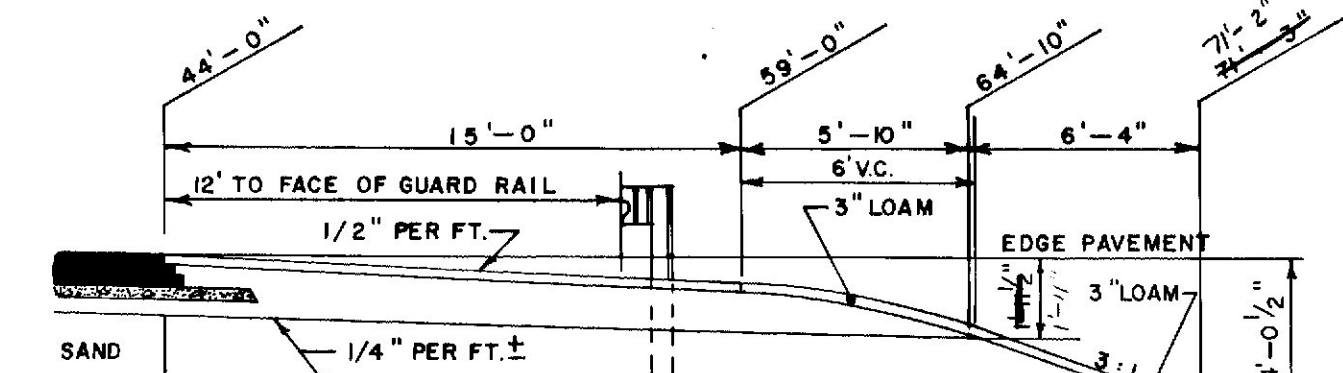
15 FT. SHOULDER-HIGH SIDE 3:1 SLOPE

AGGREGATE SUBBASE COURSE - GRAVEL = 35.27 CU. YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE - SAND = 105.99 CU. YDS. PER 100 LIN. FT.



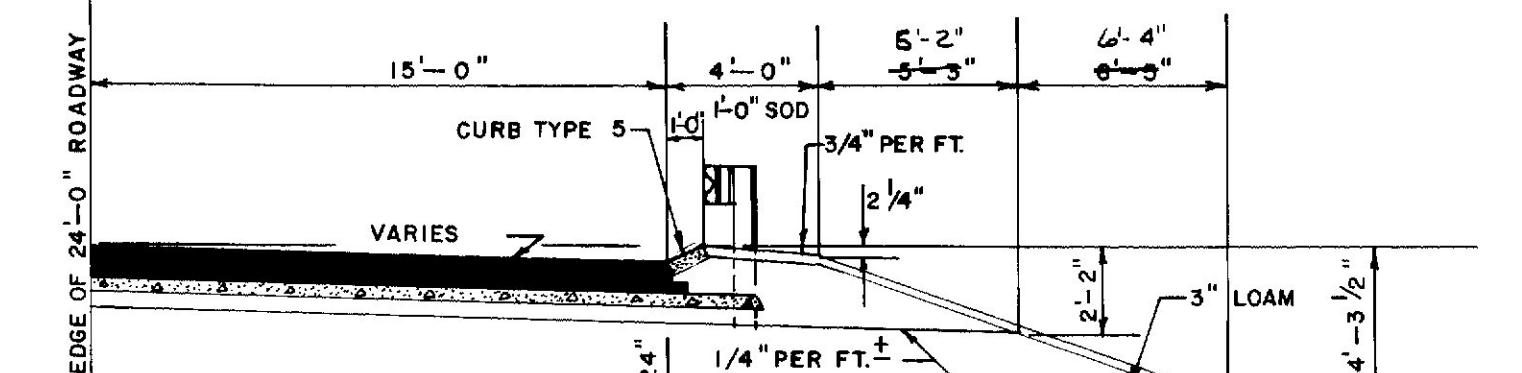
15 FT. SHOULDER-HIGH SIDE 2:1 SLOPE

AGGREGATE SUBBASE COURSE - GRAVEL = 35.27 CU. YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE - SAND = 105.99 CU. YDS. PER 100 LIN. FT.



15 FT. SHOULDER

AGGREGATE SUBBASE COURSE - GRAVEL = 35.27 CU. YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE - SAND = 105.99 CU. YDS. PER 100 LIN. FT.

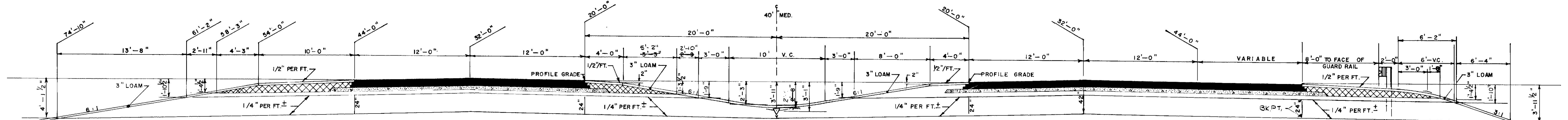


15 FT. PAVEMENT*

4" AGGREGATE BASE COURSE - CRUSHED = 21.40 CU. YDS. PER 100 LIN. FT. (17'-6" WIDE)
5" AGGREGATE SUBBASE COURSE - GRAVEL = 23.15 CU. YDS. PER 100 LIN. FT. (15'-0" WIDE)
24" AGGREGATE SUBBASE COURSE - SAND = 111.11 CU. YDS. PER 100 LIN. FT. (15'-0" WIDE)

NOTE:

* SHIM TOP OF AGGREGATE SUBBASE COURSE - SAND SIMILAR TO TREATMENT OF ROADWAY AND SHOULDER TAPER STATION 287+50. DIMENSIONS AND QUANTITIES SHOWN ARE FOR 1/4" PER FOOT SLOPE DOWN.



10 FT. SHOULDER NORMAL- LOW SIDE

AGGREGATE SUBBASE COURSE - GRAVEL (CROSS HATCHED) = 28.26 CU. YDS. PER 100 LIN. FT.
5" AGGREGATE SUBBASE COURSE - GRAVEL (UNDER SHOULDER) = 24.86 CU. YDS. PER 100 LIN. FT.
24" AGGREGATE SUBBASE COURSE - SAND (UNDER SHOULDER) = 176.23 CU. YDS. PER 100 LIN. FT.

24 FT. PAVEMENT

QUANTITIES SAME AS ABOVE

NORMAL

QUANTITIES SAME AS ABOVE

4 FT. SHOULDER

AGGREGATE SUBBASE COURSE - GRAVEL (CROSS HATCHED) = 15.46 CU. YDS. PER 100 LIN. FT.
5" AGGREGATE SUBBASE COURSE - GRAVEL (UNDER CROSS HATCHED) = 14.90 CU. YDS. PER 100 LIN. FT.

24 FT. PAVEMENT

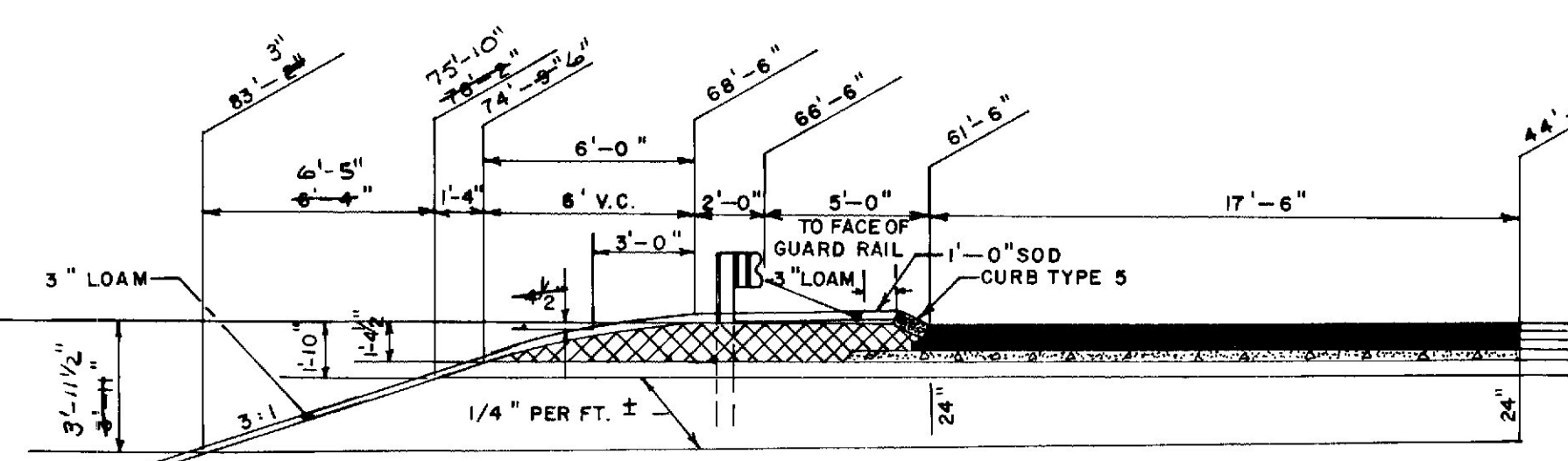
QUANTITIES SAME AS ABOVE

10 FT. SHOULDER-GUARD RAIL 3:1 SLOPE

AGGREGATE SUBBASE COURSE - GRAVEL (CROSS HATCHED) = 30.66 CU. YDS. PER 100 LIN. FT.
5" AGGREGATE SUBBASE COURSE - GRAVEL (UNDER SHOULDER) = 23.24 CU. YDS. PER 100 LIN. FT.
24" AGGREGATE SUBBASE COURSE - SAND (UNDER SHOULDER) = 143.04 CU. YDS. PER 100 LIN. FT.

NOTE:

FOR TREATMENT OF ROADWAY AND SHOULDER TAPER STATION 287+00 TO STATION 293+50 RIGHT, SEE MISCELLANEOUS DETAILS.
FOR TYPICAL SECTIONS SHOWING 10' SHOULDER-HIGH SIDE 6:1, 9' MEDIAN SHOULDER, AND 8' SHOULDER 6:1 SEE TYPICAL SECTION SHEETS ENTITLED "1-295 STA. 190+00 TO STA. 252+30" AND "1-295 STA. 253+80 TO STA. 282+20".



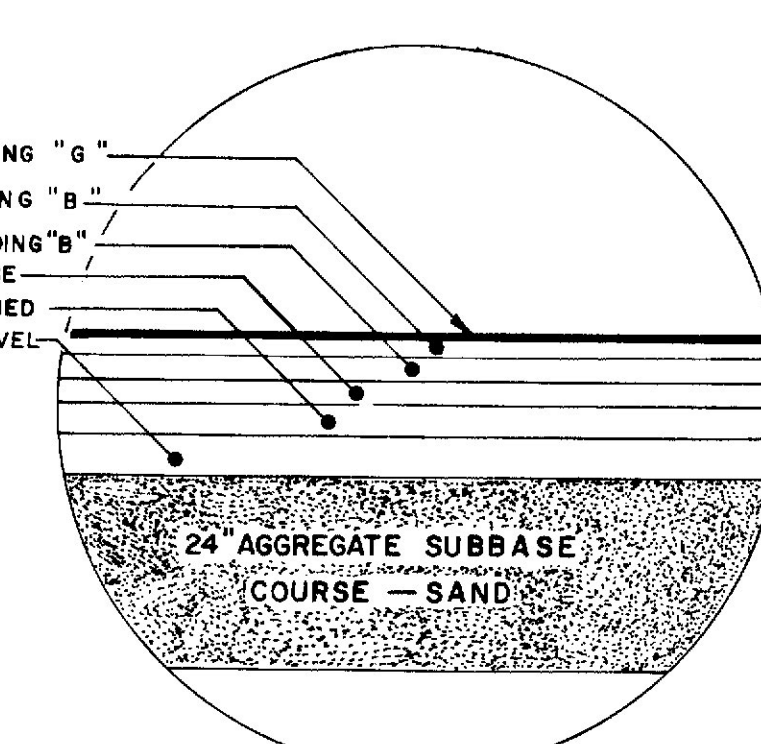
CURBED-GUARD RAIL TO 3:1 SLOPE

AGGREGATE SUBBASE COURSE - GRAVEL (CROSS HATCHED) = 40.63 CU. YDS. PER 100 LIN. FT.
5" AGGREGATE SUBBASE COURSE - GRAVEL (UNDER SHOULDER) = 21.37 CU. YDS. PER 100 LIN. FT.
24" AGGREGATE SUBBASE COURSE - SAND (UNDER SHOULDER) = 129.30 CU. YDS. PER 100 LIN. FT.

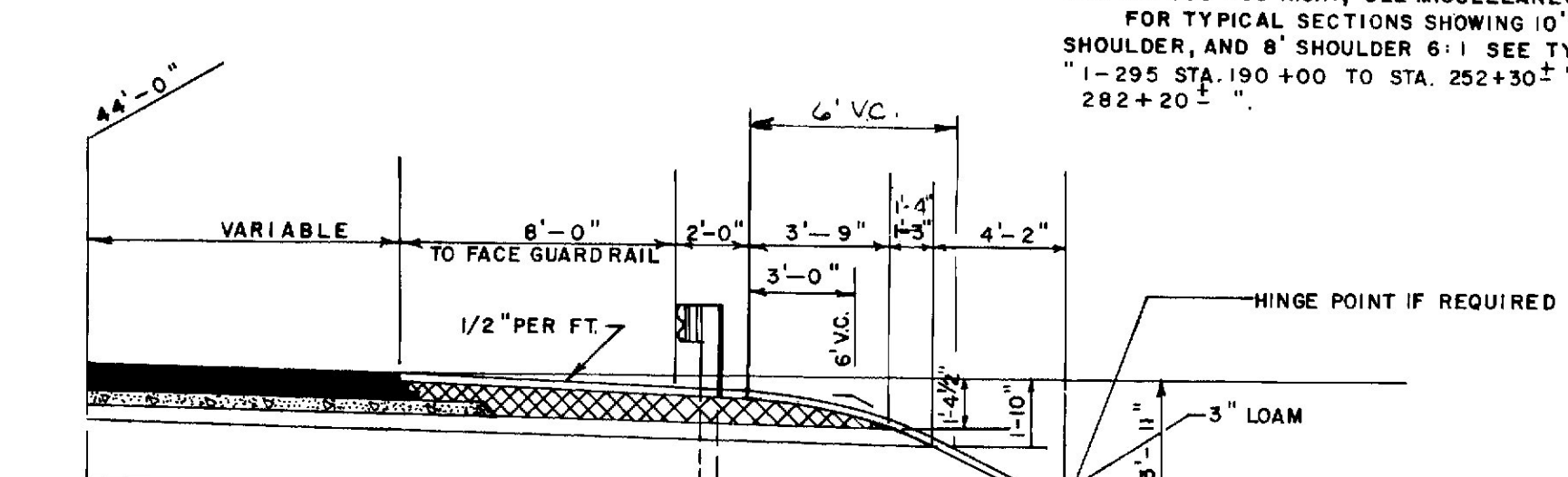
NOTE:

FOR LIMIT OF EXISTING CONSTRUCTION SEE PROFILES.

NOTE: THE PAVEMENT, BASE AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.



PAVEMENT DEPTHS THIS SHEET.



10 FT. SHOULDER-GUARD RAIL 2:1 SLOPE

AGGREGATE SUBBASE COURSE - GRAVEL (CROSS HATCHED) = 24.11 CU. YDS. PER 100 LIN. FT.
5" AGGREGATE SUBBASE COURSE - GRAVEL (UNDER SHOULDER) = 22.00 CU. YDS. PER 100 LIN. FT.
24" AGGREGATE SUBBASE COURSE - SAND (UNDER SHOULDER) = 127.58 CU. YDS. PER 100 LIN. FT.

REVISED AUGUST 14, 1973

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS

1-295
STA. 283+35 TO STA. 345+15

SHEET OF AUGUSTA, MAINE

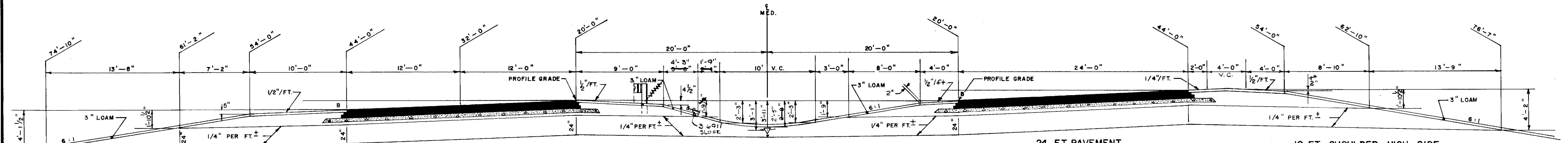
295 PORTLAND

As Built 1974

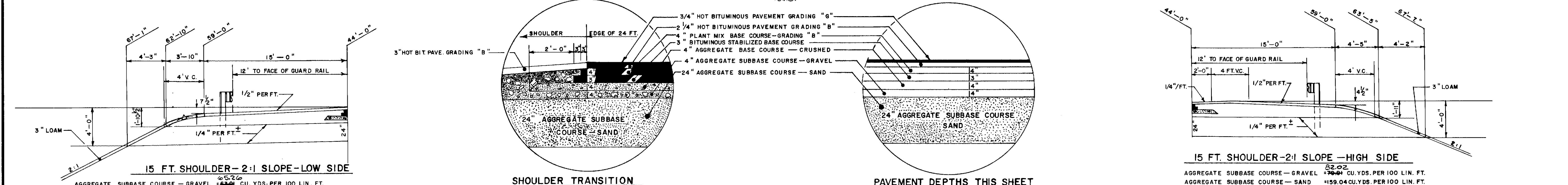
LWP 3-26-76

3" HOT BITUMINOUS PAVEMENT FRANKLIN STREET TO TUKEY BRIDGE(4" PLANT MIX BASE COURSE)

F.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-295-306	6	218

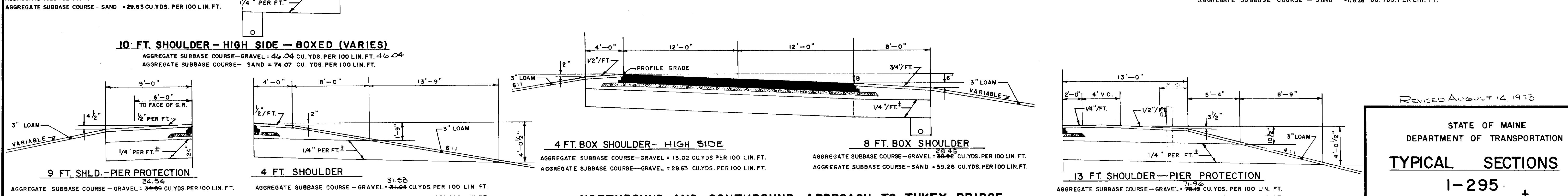
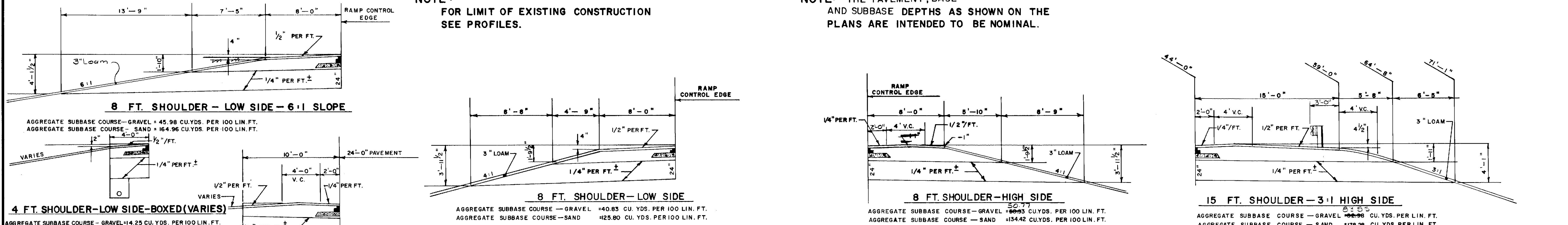


10 FT. SHOULDER—LOW SIDE	24 FT. PAVEMENT	MEDIAN	24 FT. PAVEMENT	10 FT. SHOULDER—HIGH SIDE
AGGREGATE SUBBASE COURSE—GRAVEL = 52.93 CU. YDS. PER 100 LIN. FT. AGGREGATE SUBBASE COURSE—SAND = 176.23 CU. YDS. PER 100 LIN. FT.	4" AGGREGATE BASE COURSE—CRUSHED = 35.39 CU. YDS. PER 100 LIN. FT. (29'-0" WIDE) 4" AGGREGATE SUBBASE COURSE—GRAVEL = 29.63 CU. YDS. PER 100 LIN. FT. (24'-0" WIDE) 24" AGGREGATE SUBBASE COURSE—SAND = 177.78 YDS. PER 100 LIN. FT. (24'-0" WIDE)	AGGREGATE SUBBASE COURSE—GRAVEL = 42.57 CU. YDS. PER 100 LIN. FT. AGGREGATE SUBBASE COURSE—SAND = 134.01 CU. YDS. PER 100 LIN. FT.	4" AGGREGATE BASE COURSE—CRUSHED = 35.39 CU. YDS. PER 100 LIN. FT. 4" AGGREGATE SUBBASE COURSE—GRAVEL = 29.63 CU. YDS. PER 100 LIN. FT. 24" AGGREGATE SUBBASE COURSE—SAND = 177.78 CU. YDS. PER 100 LIN. FT.	AGGREGATE SUBBASE COURSE—GRAVEL = 66.55 CU. YDS. PER 100 LIN. FT. AGGREGATE SUBBASE COURSE—SAND = 191.05 CU. YDS. PER 100 LIN. FT.



NOTE:
FOR LIMIT OF EXISTING CONSTRUCTION
SEE PROFILES.

NOTE: THE PAVEMENT, BASE
AND SUBBASE DEPTHS AS SHOWN ON THE
PLANS ARE INTENDED TO BE NOMINAL.



NORTHBOUND AND SOUTHBOUND APPROACH TO TUKEY BRIDGE MISCELLANEOUS SHOULDERS

REVISED AUGUST 14, 1973

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

I-295
STA. 346 + 30⁺ TO
TUKEY BRIDGE

SHEET OF AUGUSTA, MAINE

295 PORTLAND

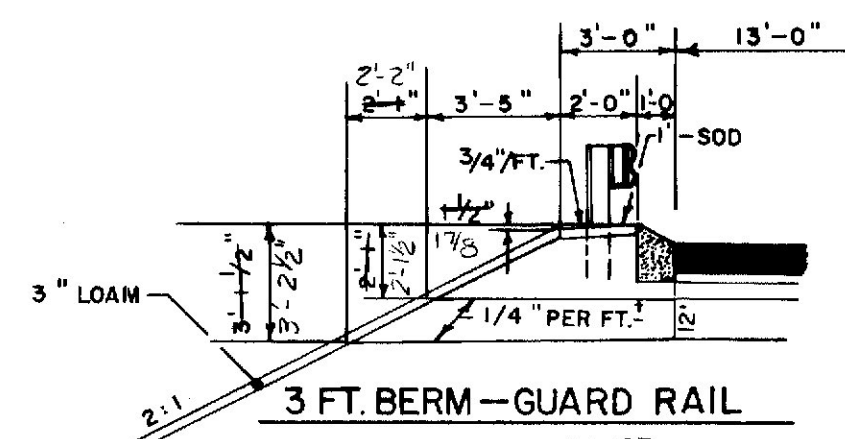
As Built 1974
F.W.P. 3-26-16

DATE	BY	DESIGN - DETAILED	CHECKED	REVISIONS	FIELD CHANGES
1/14/73					

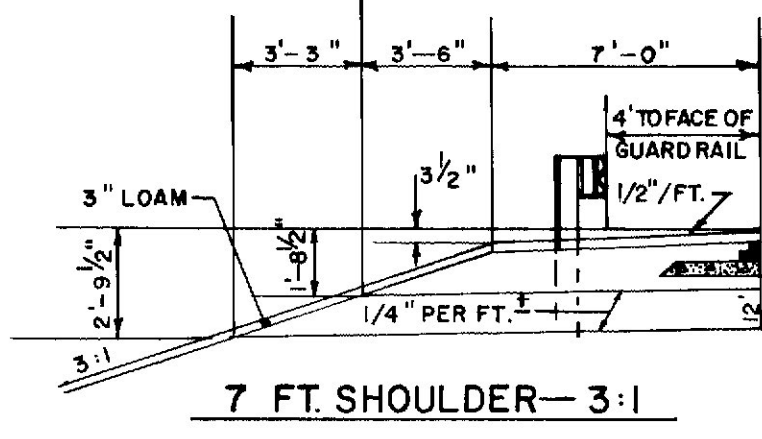
PLANS

3" HOT BITUMINOUS PAVEMENT

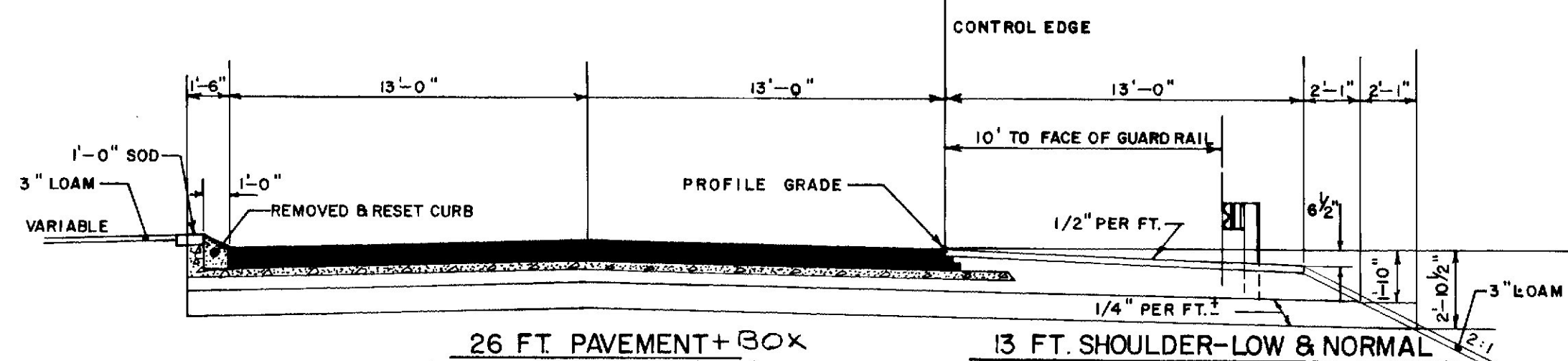
F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-95-306	7	218



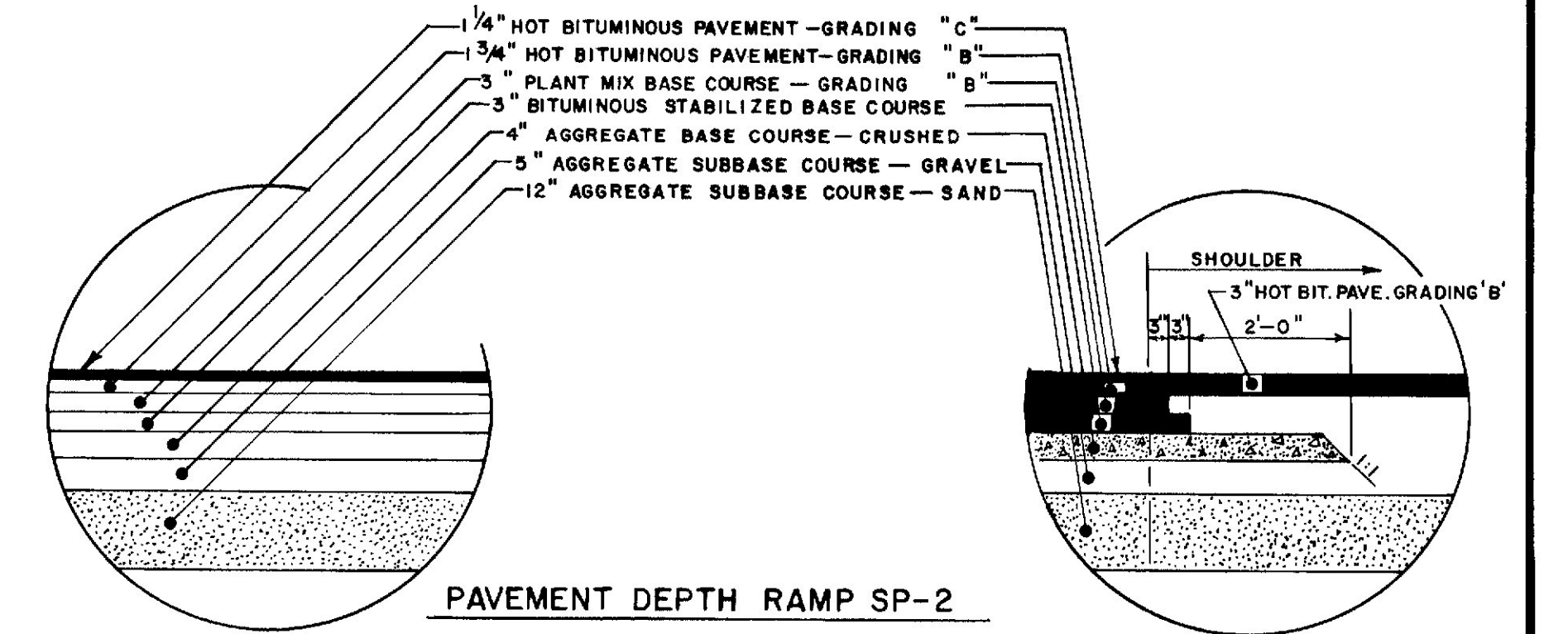
3 FT. BERM—GUARD RAIL
AGGREGATE SUBBASE COURSE—GRAVEL=24.40 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=27.64 CU.YDS. PER 100 LIN. FT.



7 FT. SHOULDER—3:1
AGGREGATE SUBBASE COURSE—GRAVEL=33.97 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=45.27 CU.YDS. PER 100 LIN. FT.



26 FT. PAVEMENT+30x
13 FT. SHOULDER—LOW & NORMAL
4" AGGREGATE BASE COURSE—CRUSHED=24.29 CU.YDS. PER 100 LIN. FT. (20'-0" WIDE)
5" AGGREGATE SUBBASE COURSE—GRAVEL=23.15 CU.YDS. PER 100 LIN. FT. (15'-0" WIDE)
12" AGGREGATE SUBBASE COURSE—SAND=55.55 CU.YDS. PER 100 LIN. FT. (15'-0" WIDE)
AGGREGATE SUBBASE COURSE—GRAVEL=54.33 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=59.60 CU.YDS. PER 100 LIN. FT.

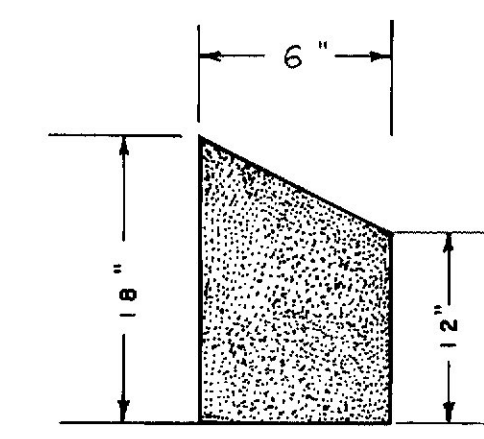


PAVEMENT DEPTH RAMP SP-2

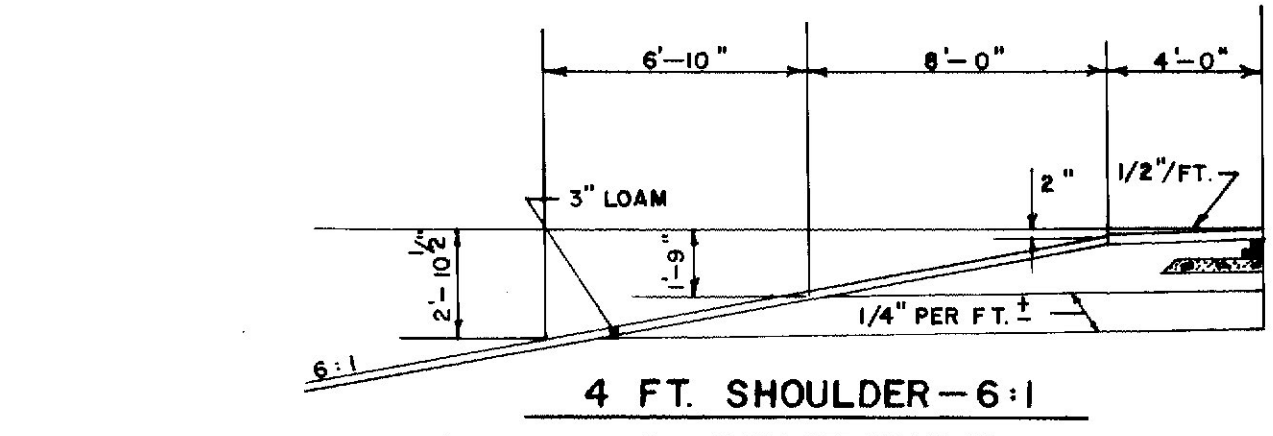
NOTE:
FOR LIMIT OF EXISTING
CONSTRUCTION SEE PROFILES.

NOTE: THE PAVEMENT, BASE
AND SUBBASE DEPTHS AS SHOWN ON
THE PLANS ARE INTENDED TO BE NOMINAL.

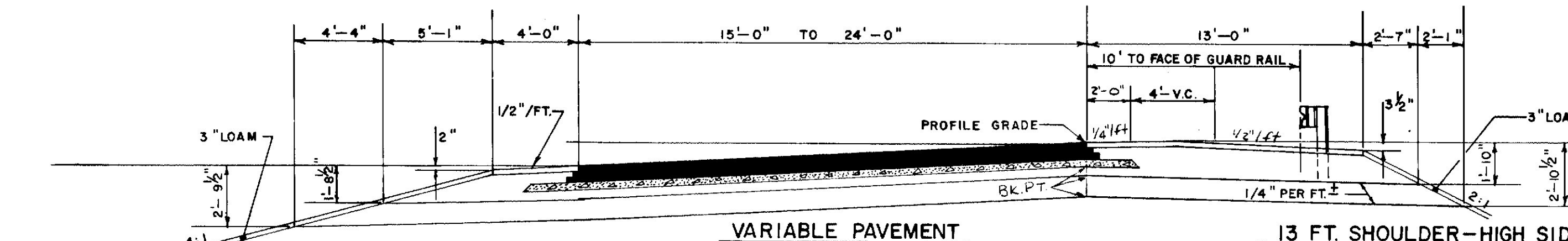
RAMP SP-2



CURB—REMOVED AND RESET
(ASSUMED DIMENSIONS)



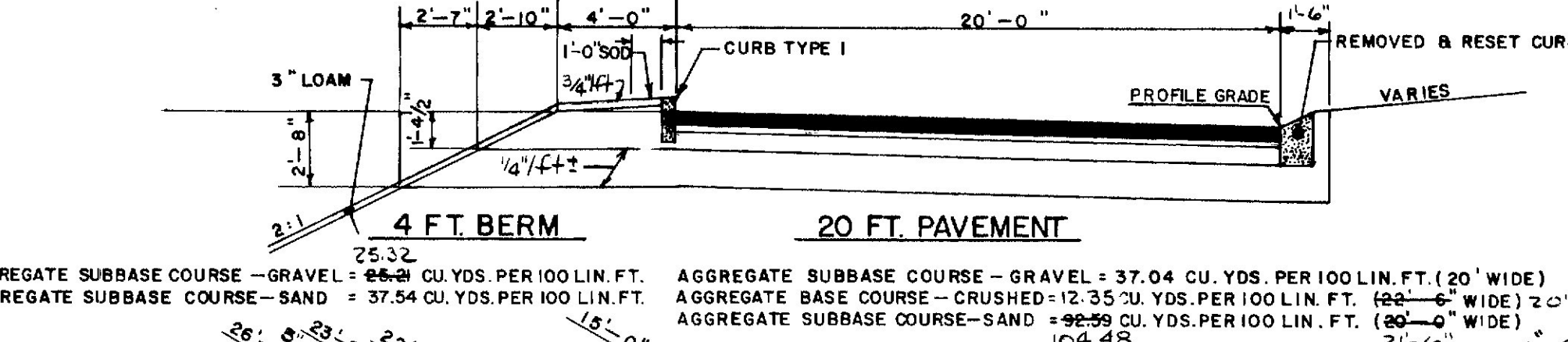
4 FT. SHOULDER—6:1
AGGREGATE SUBBASE COURSE—GRAVEL=31.61 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=56.71 CU.YDS. PER 100 LIN. FT.



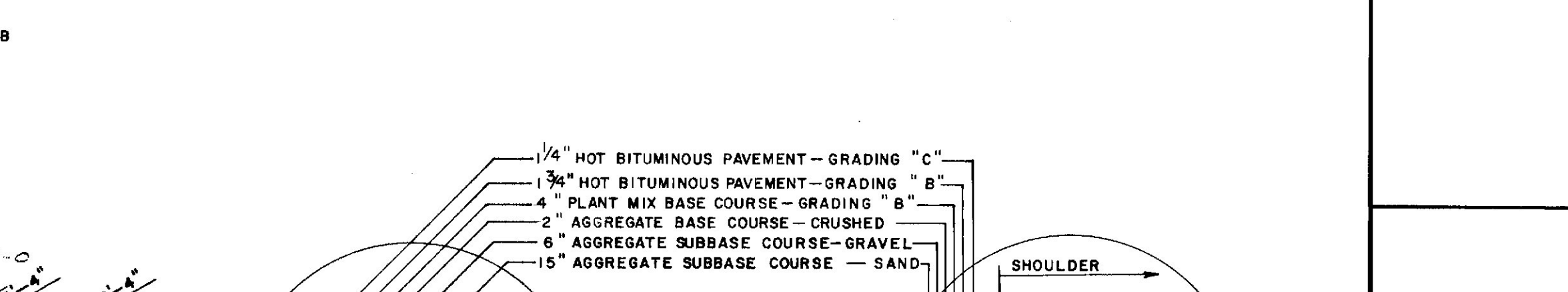
4 FT. SHOULDER—4:1
AGGREGATE SUBBASE COURSE—GRAVEL=25.45 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=41.40 CU.YDS. PER 100 LIN. FT.

VARIABLE PAVEMENT
4" AGGREGATE BASE COURSE—CRUSHED=24.29 CU.YDS. PER 100 LIN. FT. (20'-0" WIDE)
5" AGGREGATE SUBBASE COURSE—GRAVEL=23.15 CU.YDS. PER 100 LIN. FT. (15'-0" WIDE)
12" AGGREGATE SUBBASE COURSE—SAND=55.55 CU.YDS. PER 100 LIN. FT. (15'-0" WIDE)
4" AGGREGATE BASE COURSE—CRUSHED=35.39 CU.YDS. PER 100 LIN. FT. (29'-0" WIDE)
5" AGGREGATE SUBBASE COURSE—GRAVEL=32.04 CU.YDS. PER 100 LIN. FT. (24'-0" WIDE)
12" AGGREGATE SUBBASE COURSE—SAND=88.89 CU.YDS. PER 100 LIN. FT. (24'-0" WIDE)

13 FT. SHOULDER—HIGH SIDE
AGGREGATE SUBBASE COURSE—GRAVEL=66.37 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=61.49 CU.YDS. PER 100 LIN. FT.



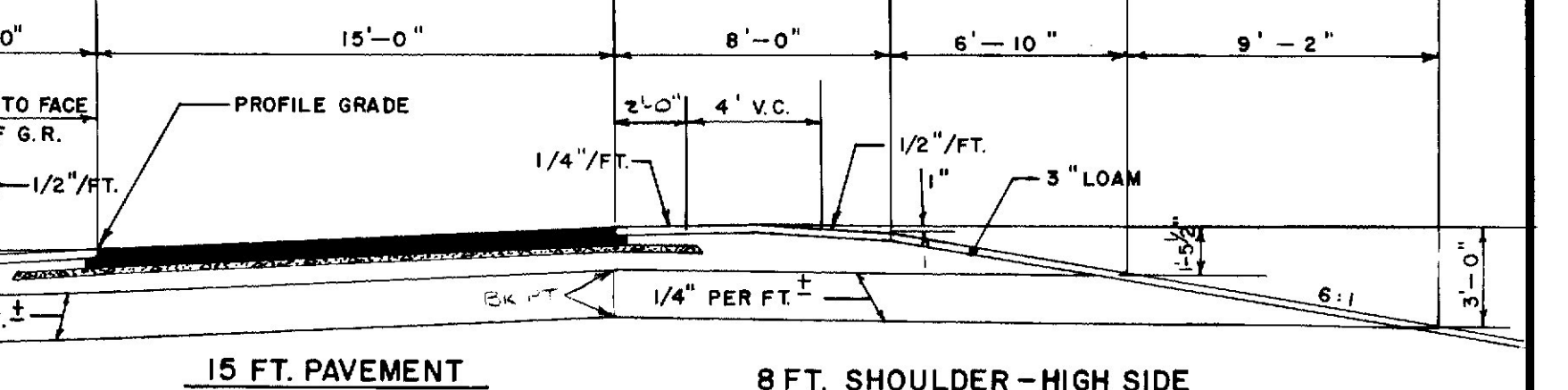
4 FT. BERM
20 FT. PAVEMENT
AGGREGATE SUBBASE COURSE—GRAVEL=25.32 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=37.54 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—GRAVEL=37.04 CU.YDS. PER 100 LIN. FT. (20'-0" WIDE)
AGGREGATE SUBBASE COURSE—CRUSHED=12.35 CU.YDS. PER 100 LIN. FT. (20'-0" WIDE)
AGGREGATE SUBBASE COURSE—SAND=92.29 CU.YDS. PER 100 LIN. FT. (20'-0" WIDE)



4 FT. SHOULDER—4:1
AGGREGATE SUBBASE COURSE—GRAVEL=25.45 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=41.40 CU.YDS. PER 100 LIN. FT.

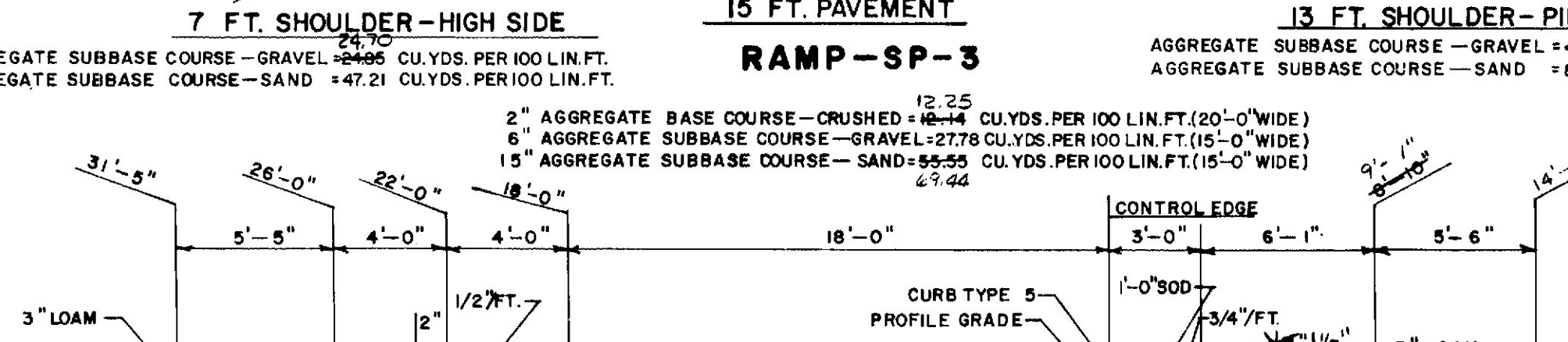
13 FT. SHOULDER—PIER PROTECTION
AGGREGATE SUBBASE COURSE—GRAVEL=23.15 CU.YDS. PER 100 LIN. FT. (15'-0" WIDE)
AGGREGATE SUBBASE COURSE—SAND=55.55 CU.YDS. PER 100 LIN. FT. (15'-0" WIDE)

7 FT. SHOULDER—HIGH SIDE
AGGREGATE SUBBASE COURSE—GRAVEL=23.65 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=57.23 CU.YDS. PER 100 LIN. FT.



15 FT. PAVEMENT
RAMP SP-6
AGGREGATE SUBBASE COURSE—GRAVEL=42.77 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=96.66 CU.YDS. PER 100 LIN. FT.

8 FT. SHOULDER—HIGH SIDE
AGGREGATE SUBBASE COURSE—GRAVEL=42.77 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=96.66 CU.YDS. PER 100 LIN. FT.



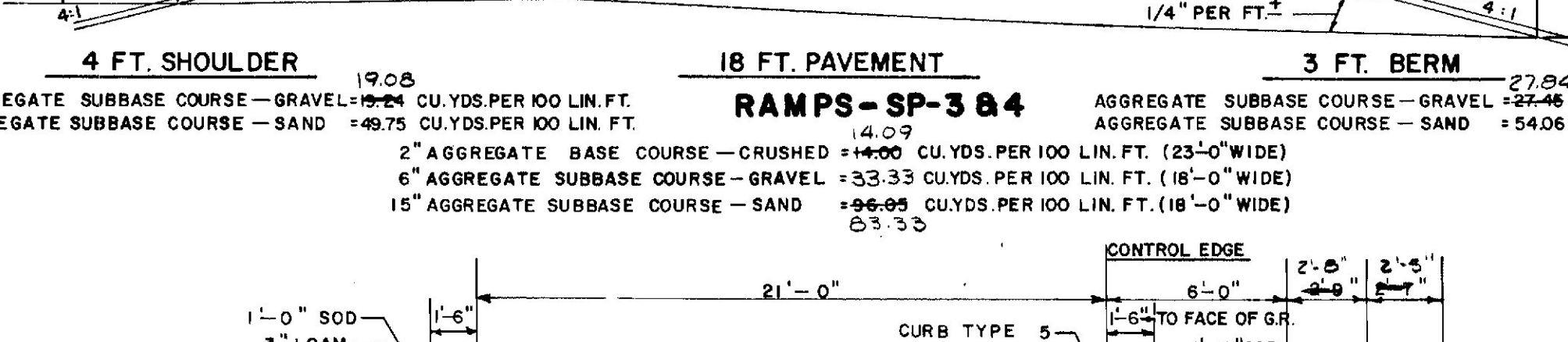
7 FT. SHOULDER—HIGH SIDE
15 FT. PAVEMENT
AGGREGATE SUBBASE COURSE—GRAVEL=24.40 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=27.64 CU.YDS. PER 100 LIN. FT.

13 FT. SHOULDER—PIER PROTECTION
AGGREGATE SUBBASE COURSE—GRAVEL=23.15 CU.YDS. PER 100 LIN. FT. (15'-0" WIDE)
AGGREGATE SUBBASE COURSE—SAND=55.55 CU.YDS. PER 100 LIN. FT. (15'-0" WIDE)

4 FT. SHOULDER
AGGREGATE SUBBASE COURSE—GRAVEL=31.61 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=56.71 CU.YDS. PER 100 LIN. FT.

18 FT. PAVEMENT (RAMP SP-6)
AGGREGATE SUBBASE COURSE—GRAVEL=42.77 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=96.66 CU.YDS. PER 100 LIN. FT.

18 FT. PAVEMENT (RAMP SP-6)
AGGREGATE SUBBASE COURSE—GRAVEL=42.77 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=96.66 CU.YDS. PER 100 LIN. FT.



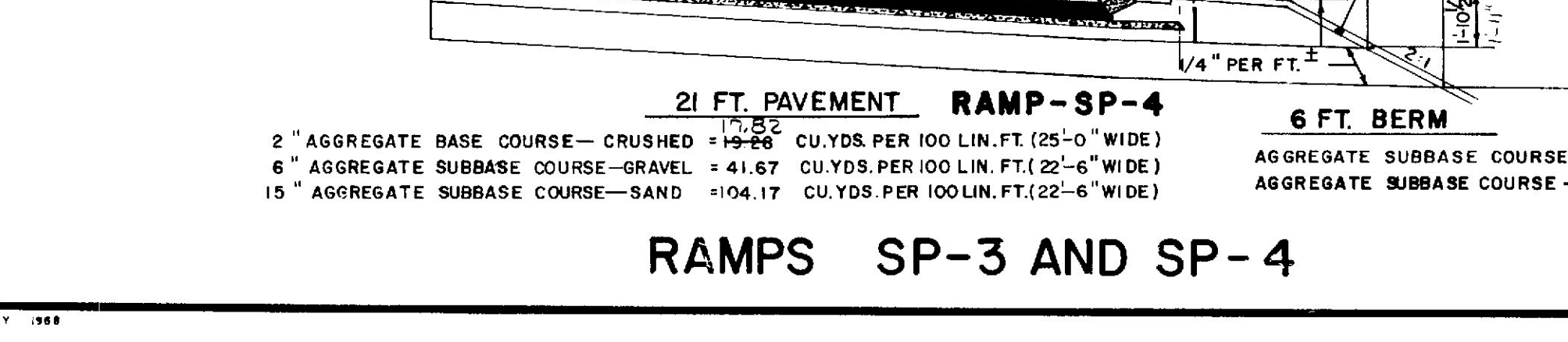
4 FT. SHOULDER
18 FT. PAVEMENT
AGGREGATE SUBBASE COURSE—GRAVEL=24.40 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=27.64 CU.YDS. PER 100 LIN. FT.

13 FT. SHOULDER—PIER PROTECTION
AGGREGATE SUBBASE COURSE—GRAVEL=23.15 CU.YDS. PER 100 LIN. FT. (15'-0" WIDE)
AGGREGATE SUBBASE COURSE—SAND=55.55 CU.YDS. PER 100 LIN. FT. (15'-0" WIDE)

4 FT. SHOULDER
AGGREGATE SUBBASE COURSE—GRAVEL=31.61 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=56.71 CU.YDS. PER 100 LIN. FT.

18 FT. PAVEMENT (RAMP SP-6)
AGGREGATE SUBBASE COURSE—GRAVEL=42.77 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=96.66 CU.YDS. PER 100 LIN. FT.

18 FT. PAVEMENT (RAMP SP-6)
AGGREGATE SUBBASE COURSE—GRAVEL=42.77 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=96.66 CU.YDS. PER 100 LIN. FT.



21 FT. PAVEMENT
6 FT. BERM
AGGREGATE SUBBASE COURSE—GRAVEL=24.40 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=27.64 CU.YDS. PER 100 LIN. FT.

13 FT. SHOULDER—PIER PROTECTION
AGGREGATE SUBBASE COURSE—GRAVEL=23.15 CU.YDS. PER 100 LIN. FT. (15'-0" WIDE)
AGGREGATE SUBBASE COURSE—SAND=55.55 CU.YDS. PER 100 LIN. FT. (15'-0" WIDE)

4 FT. SHOULDER
AGGREGATE SUBBASE COURSE—GRAVEL=31.61 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=56.71 CU.YDS. PER 100 LIN. FT.

18 FT. PAVEMENT (RAMP SP-6)
AGGREGATE SUBBASE COURSE—GRAVEL=42.77 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=96.66 CU.YDS. PER 100 LIN. FT.

18 FT. PAVEMENT (RAMP SP-6)
AGGREGATE SUBBASE COURSE—GRAVEL=42.77 CU.YDS. PER 100 LIN. FT.
AGGREGATE SUBBASE COURSE—SAND=96.66 CU.YDS. PER 100 LIN. FT.

RAMPS SP-3 AND SP-4

RAMP SP-6

PAVEMENT DEPTHS FOR RAMP SP-6

REVISED AUGUST 14, 1973

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
RAMPS
SP-2,3,4, AND SP-6
SOUTH PORTLAND
INTERCHANGE

SHEET OF AUGUSTA, MAINE

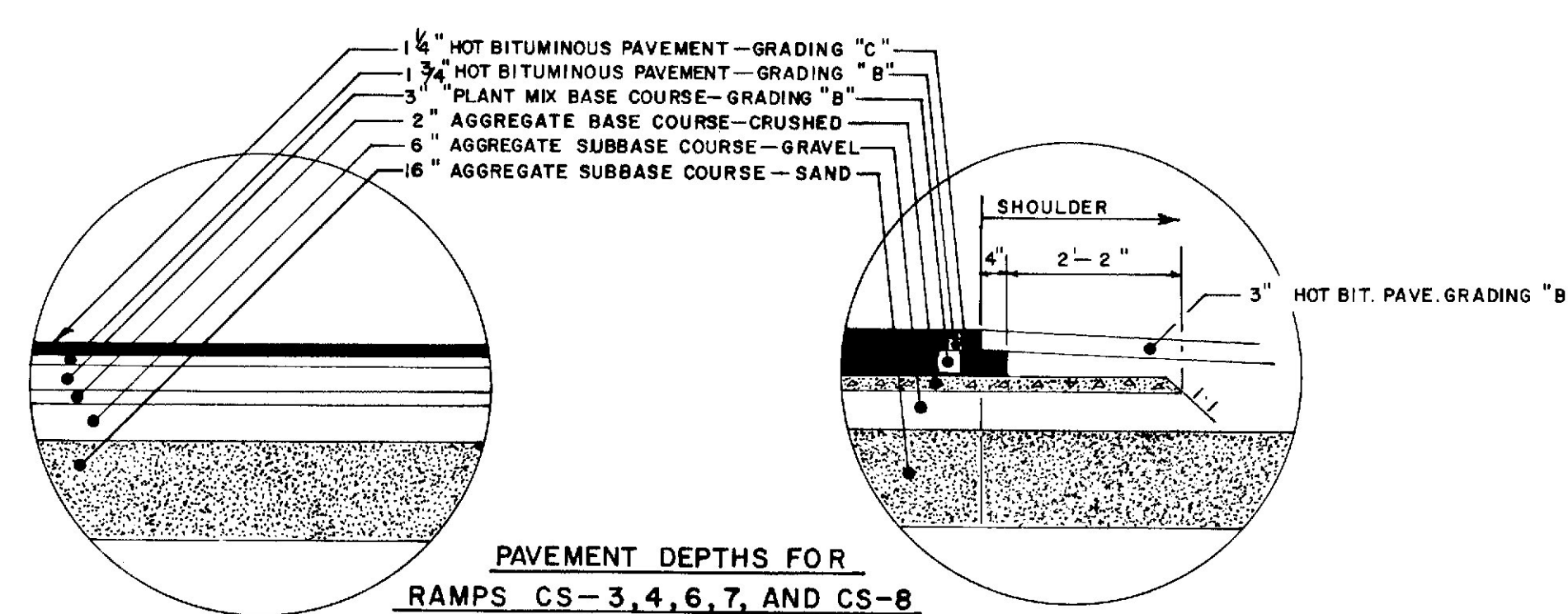
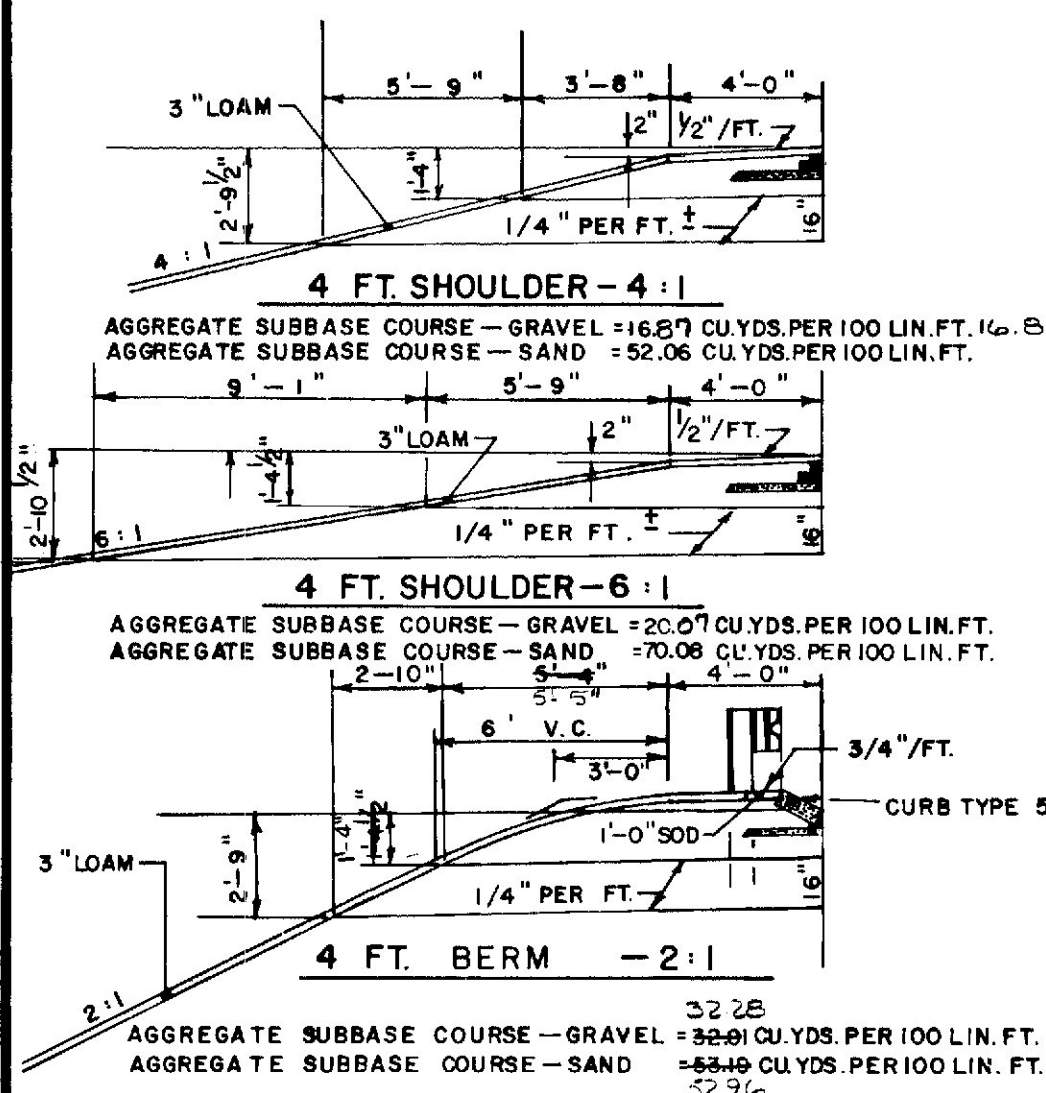
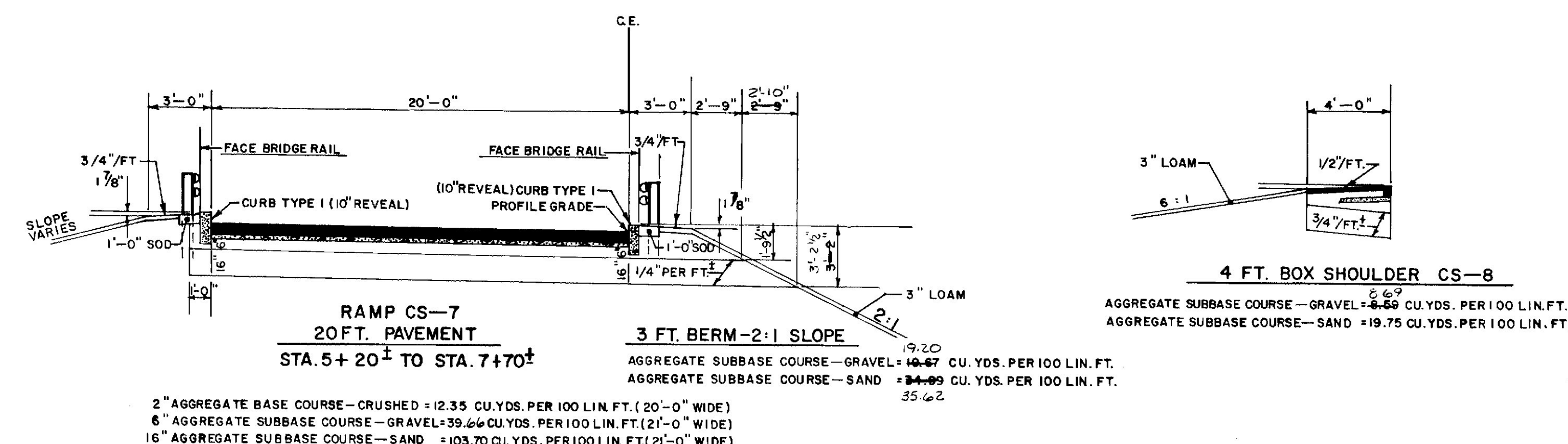
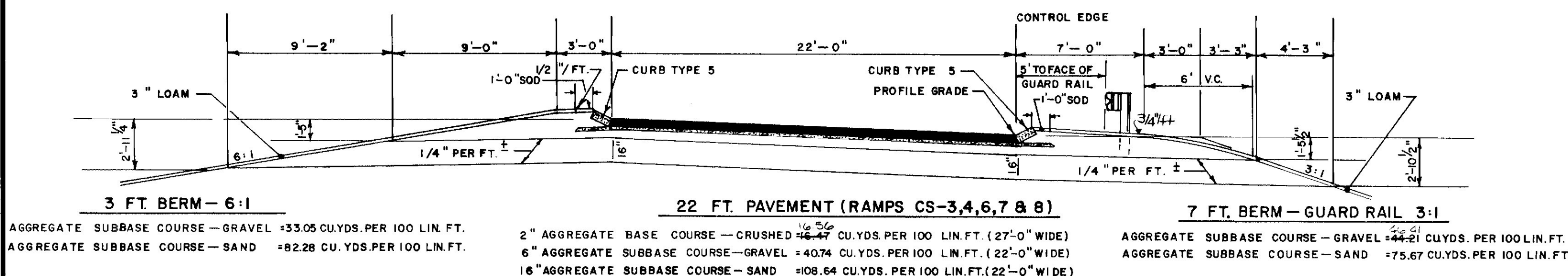
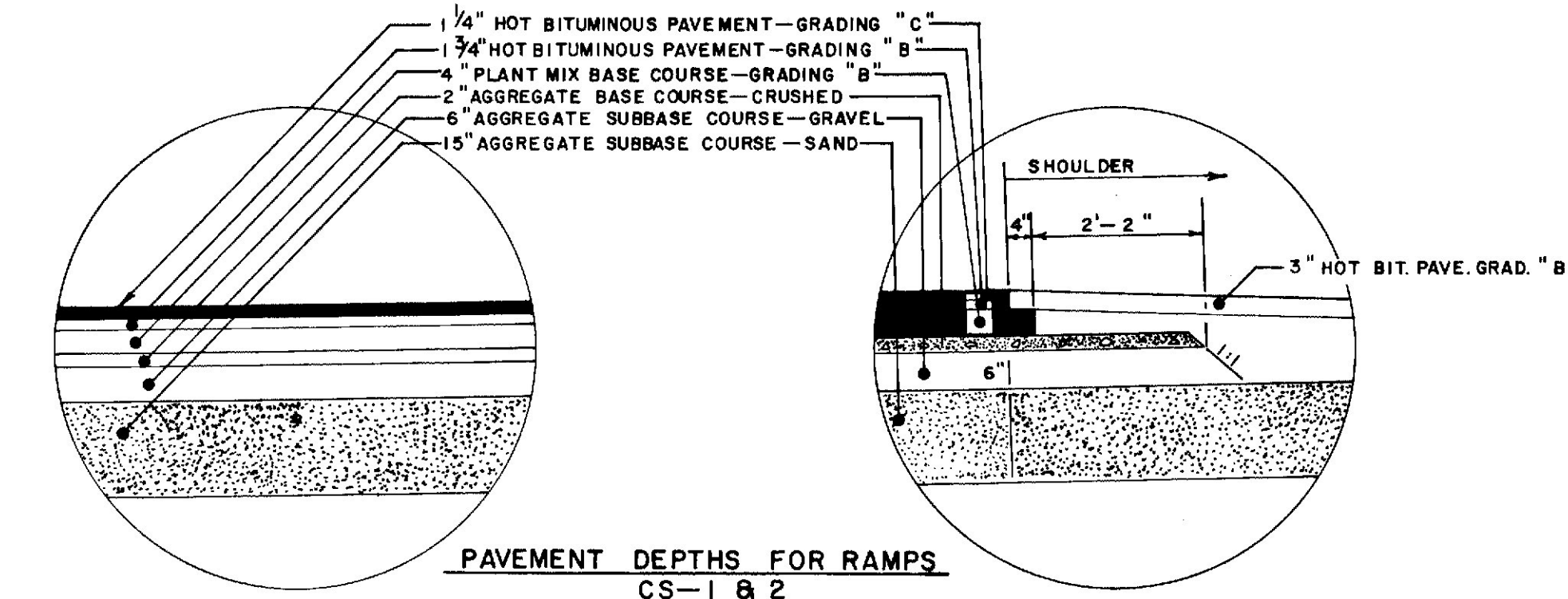
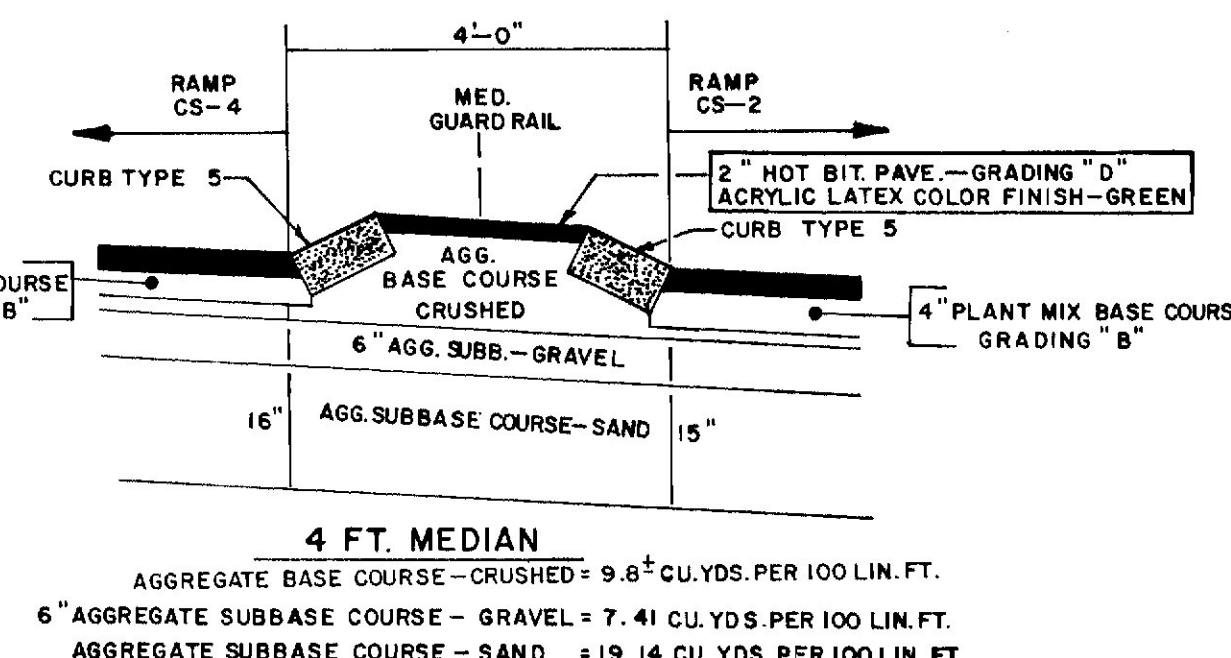
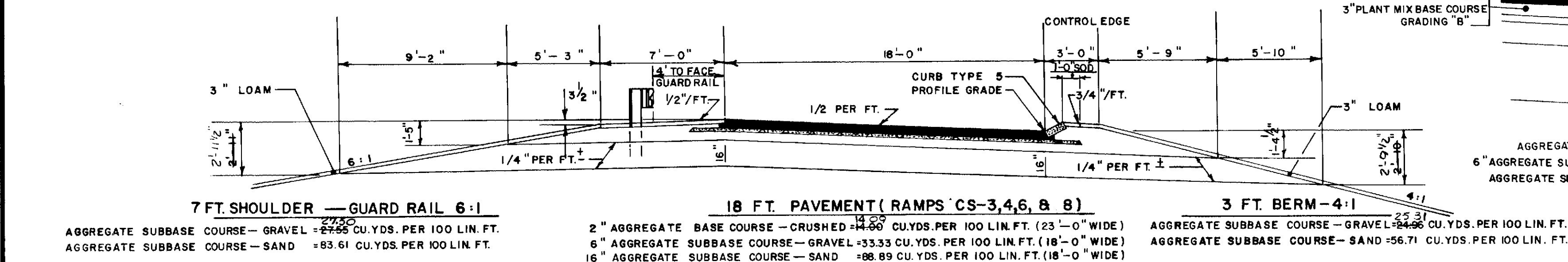
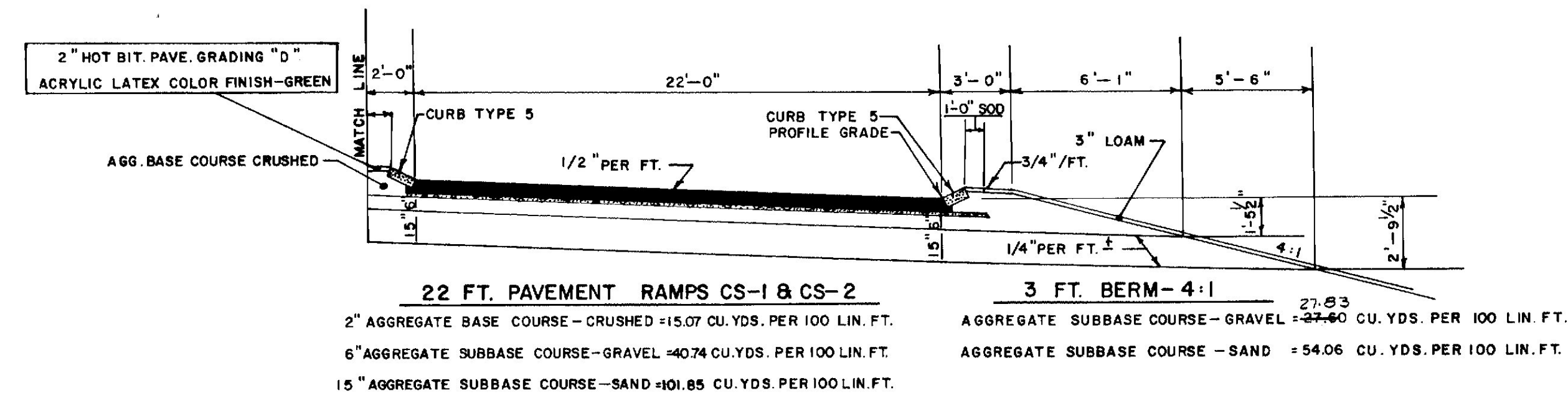
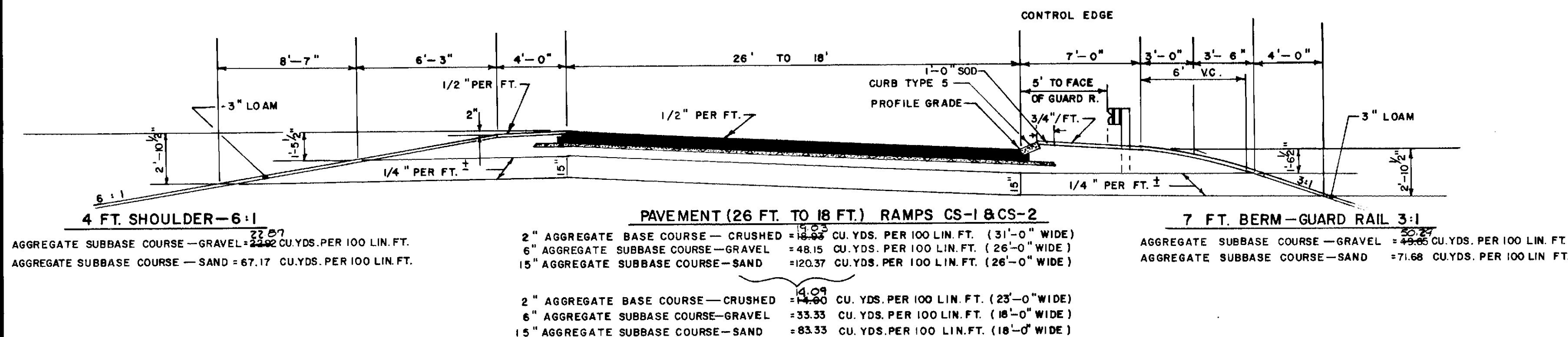
295 PORTLAND

203-1 2060

DATE
BY
DESIGN-DETAILED
CHECKED
REVISIONS
FIELD CHANGES
PLANS

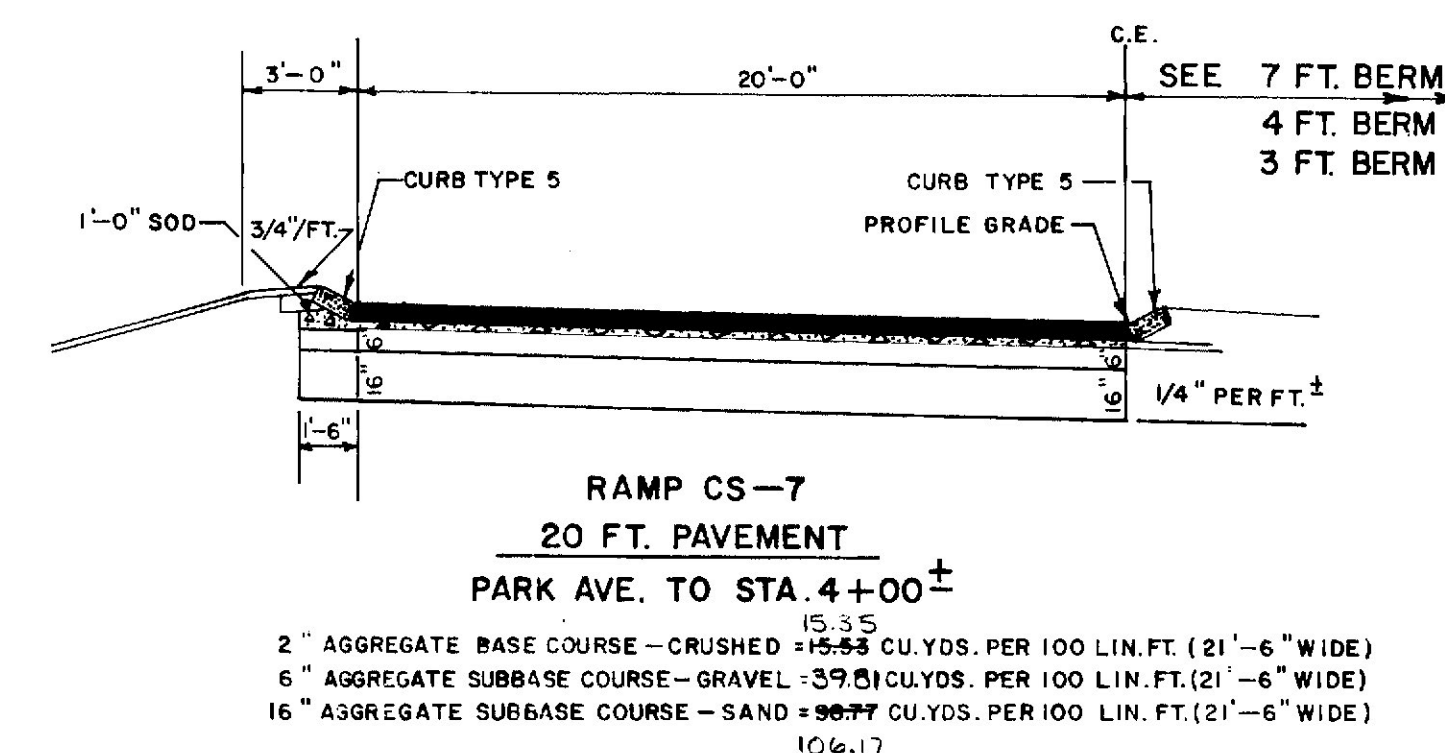
3" HOT BITUMINOUS PAVEMENT

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-295-3076	8	218



NOTE:
FOR LIMIT OF EXISTING
CONSTRUCTION SEE PROFILES.

NOTE: THE PAVEMENT, BASE
AND SUBBASE DEPTHS AS SHOWN ON
THE PLANS ARE INTENDED TO BE NOMINAL.



NOTE:
THE OFFSET SHOWN FOR GUARD RAIL WITH CURBED
BERMS IS GENERAL. WHEN A 5'-0" OFFSET IS REQUIRED
IT IS SHOWN ON THE PLANS. ALL OTHER OFFSETS SHALL
BE 1'-0" FOR CURB TYPE 5 AND 0'-6" FOR CURB TYPE 1.

REVISED August 14, 1973

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
**TYPICAL SECTIONS
RAMPS**
CS-1, 2, 3, 4, 6, 7 & 8
CONGRESS ST.—PARK AVE.
INTERCHANGE
SHEET OF AUGUSTA, MAINE

295 PORTLAND

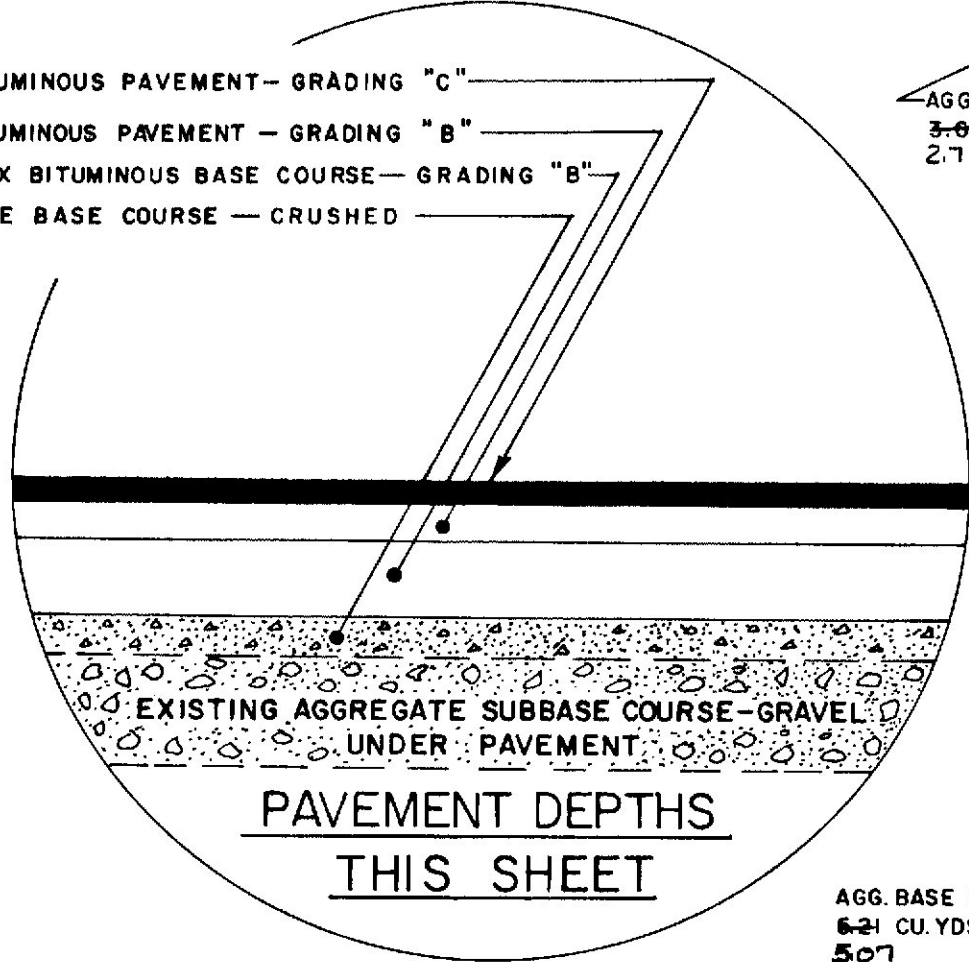
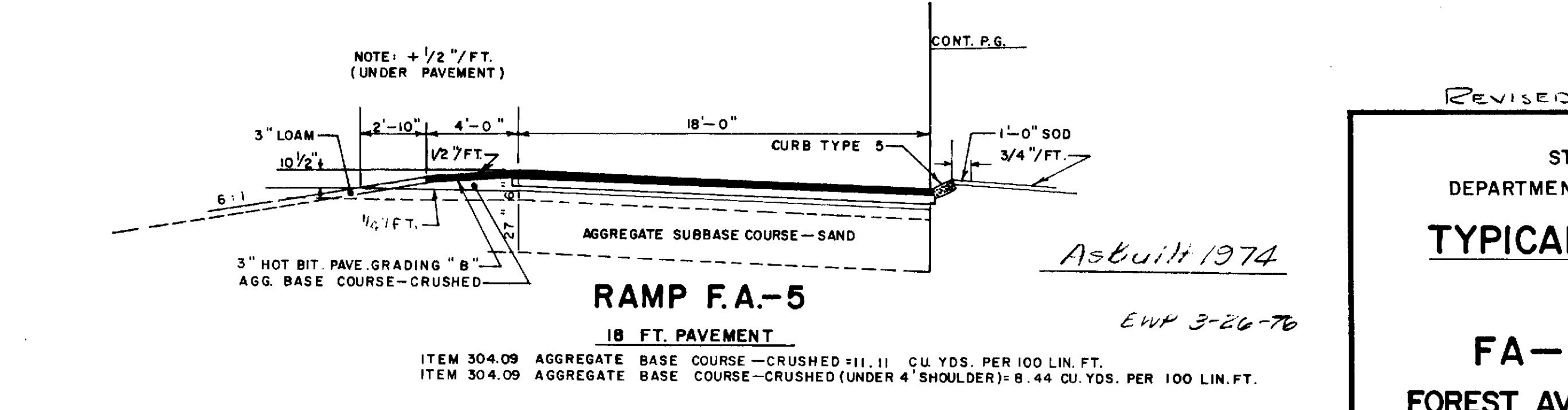
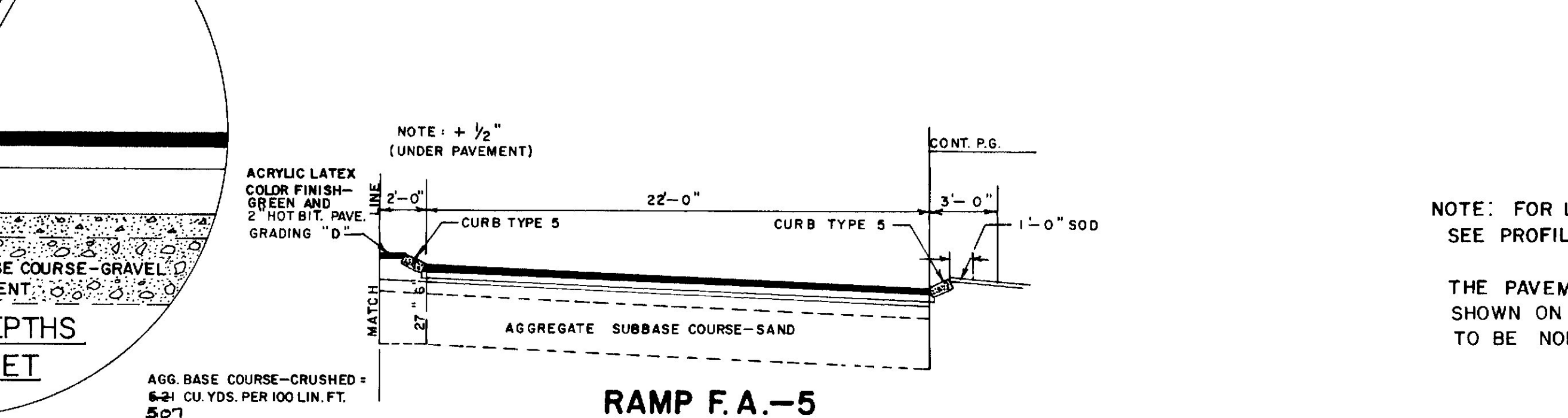
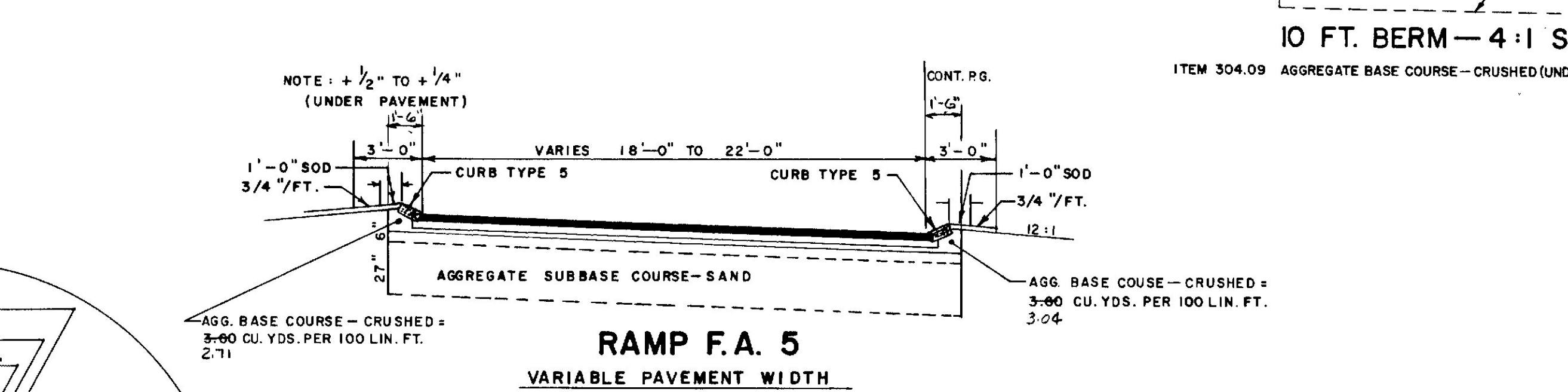
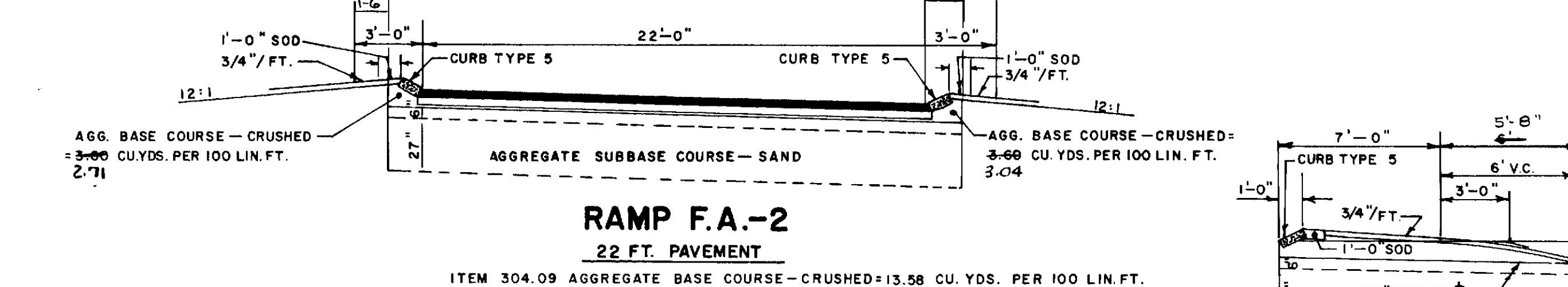
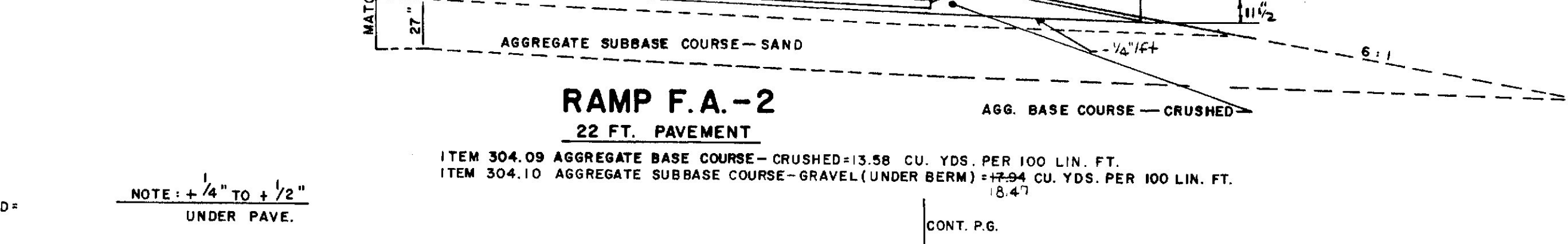
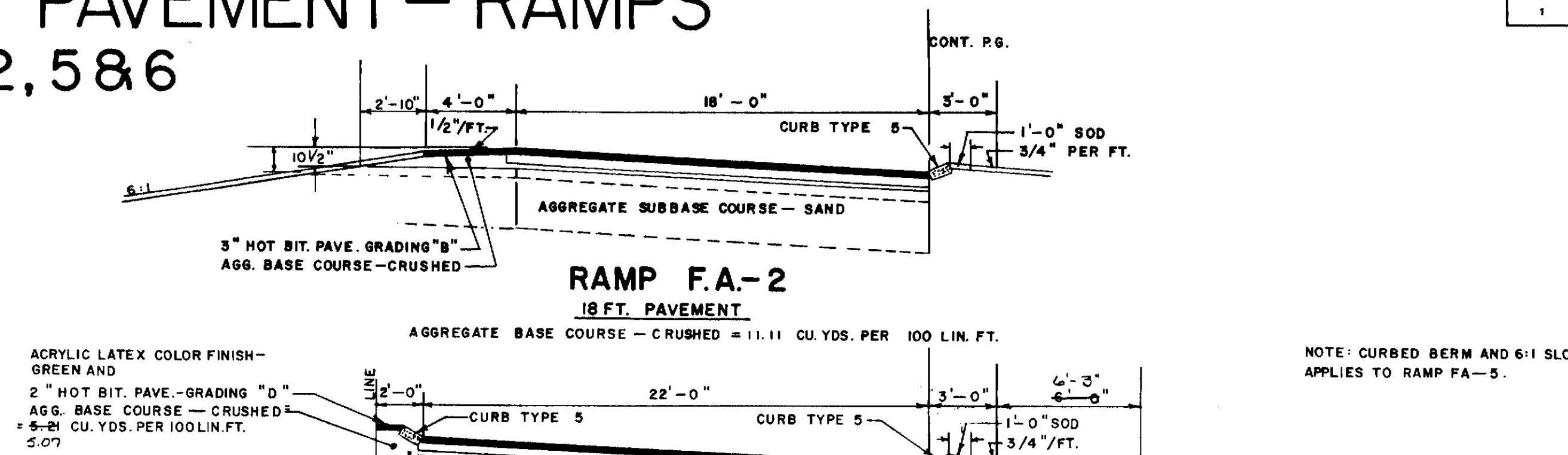
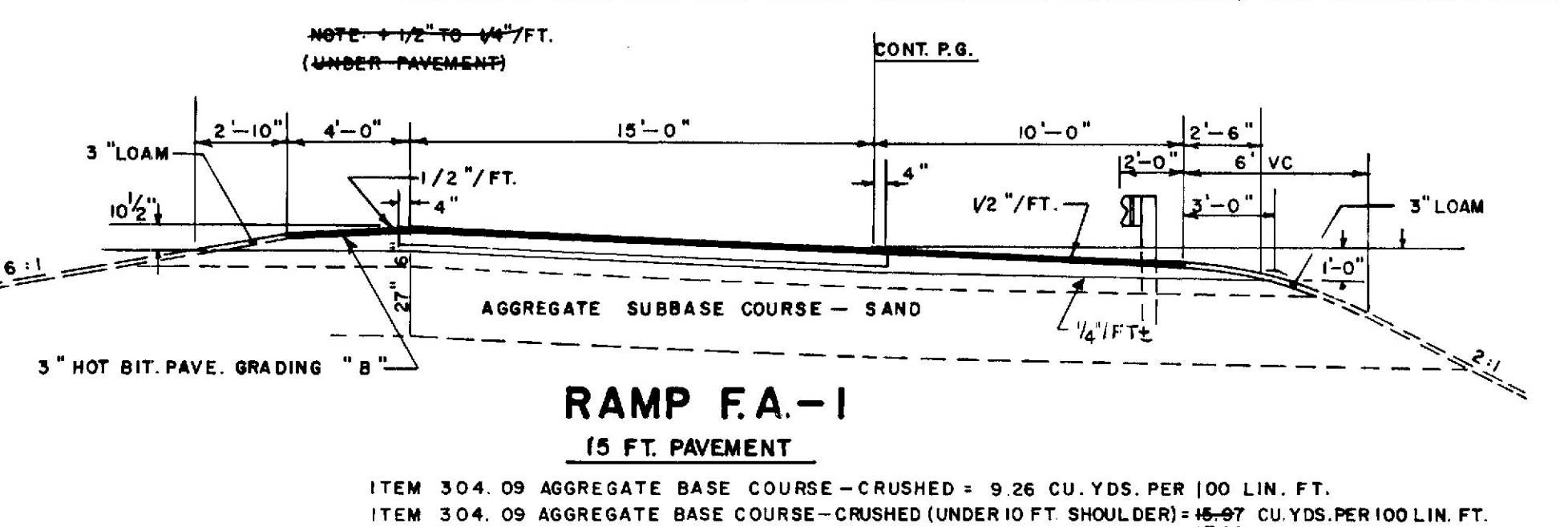
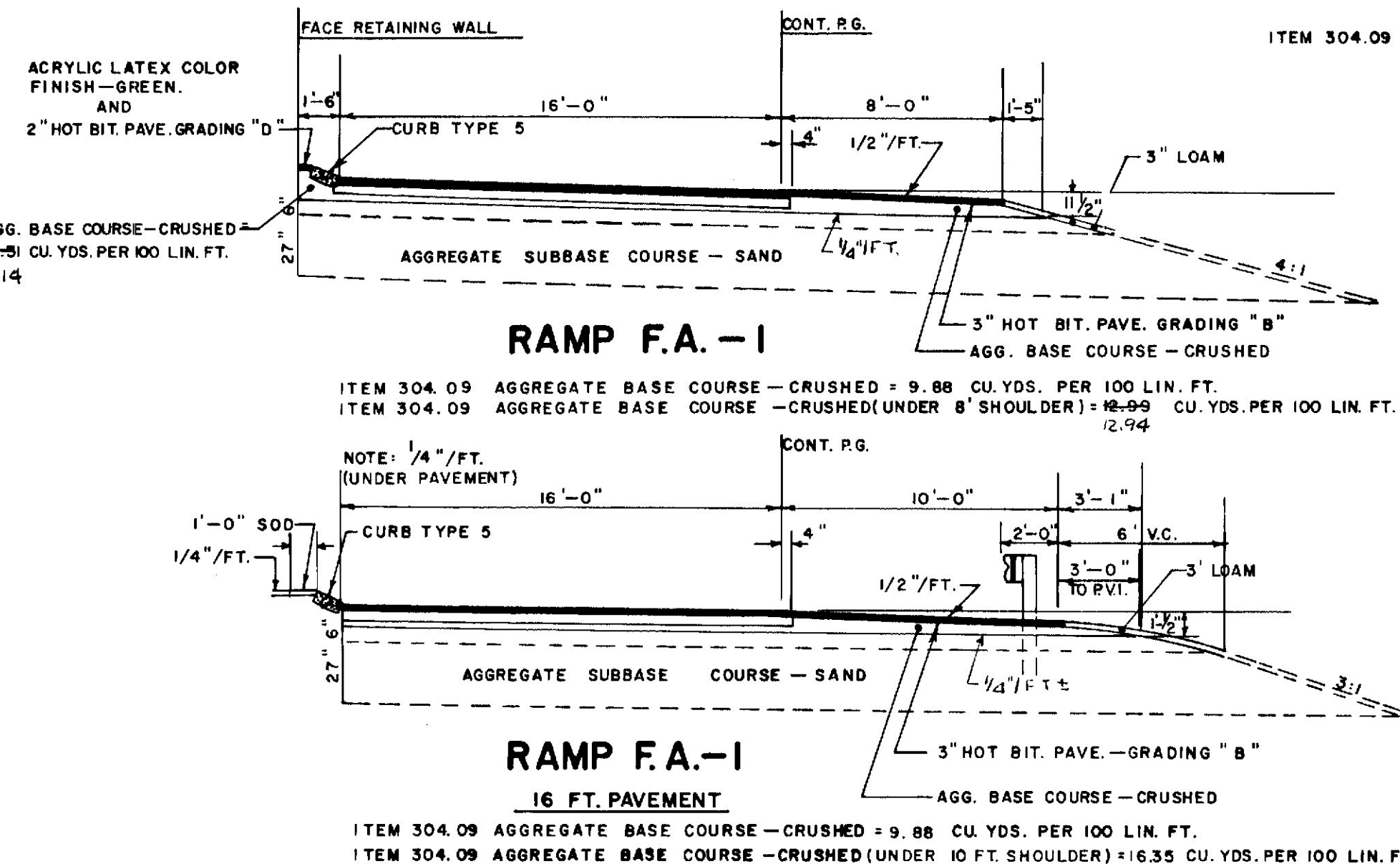
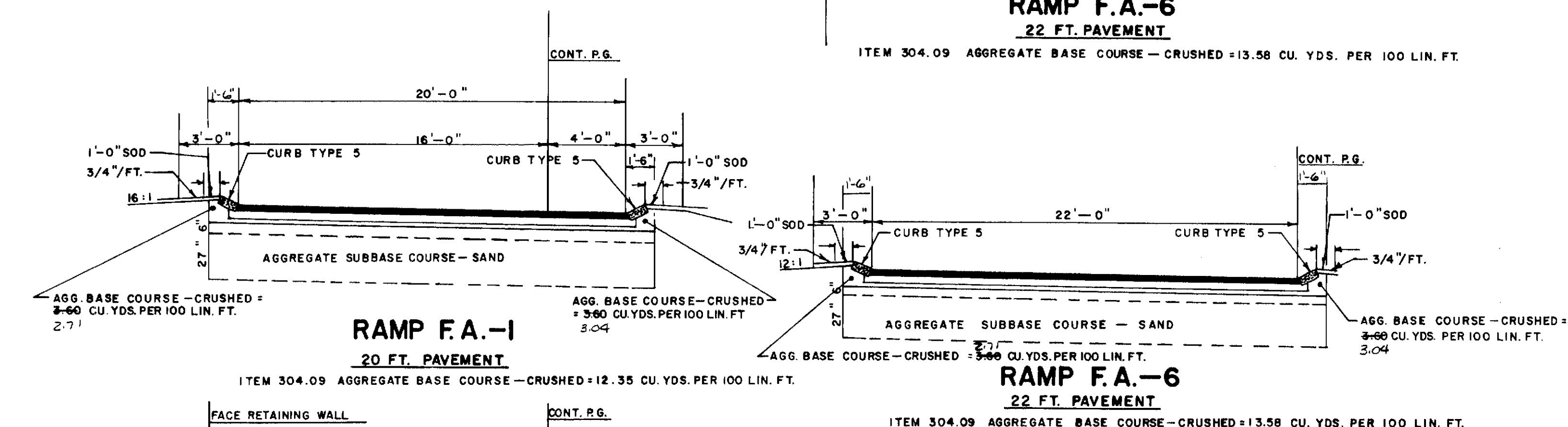
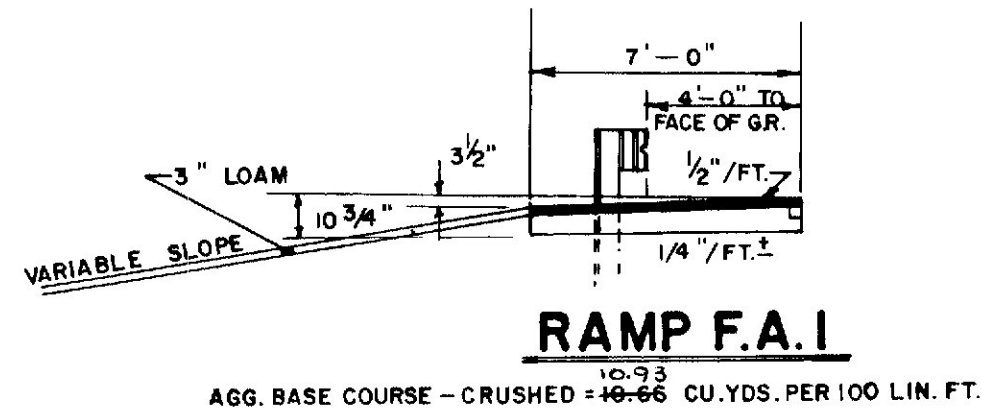
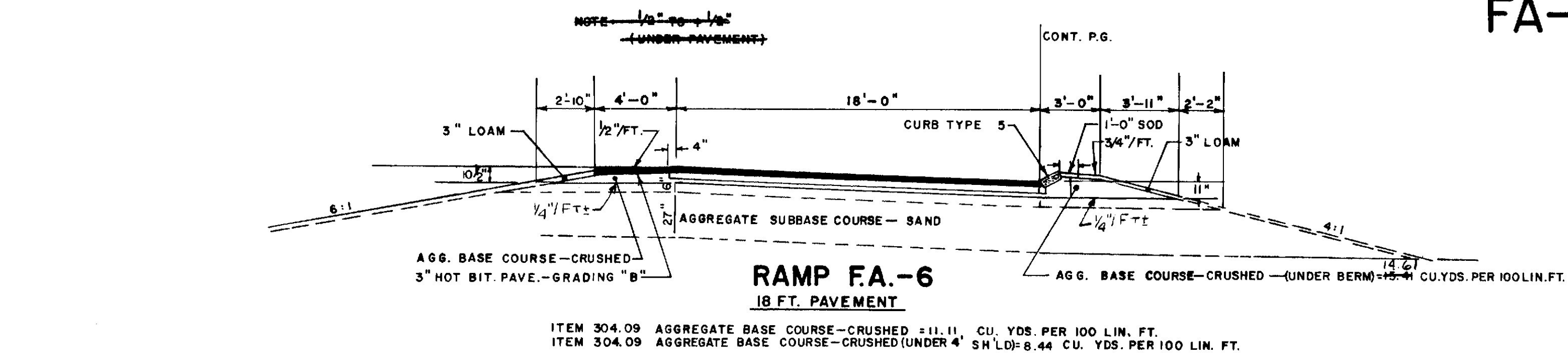
As Built 1974

ENR 3-26-76

203-1 2080

3" HOT BITUMINOUS PAVEMENT - RAMPS FA-1, 2, 5 & 6

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	2-PP-5-2(16)	9	215



NOTE: FOR LIMITS OF EXISTING CONST. SEE PROFILES

THE PAVEMENT AND BASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL

REVISED AUGUST 14, 1973

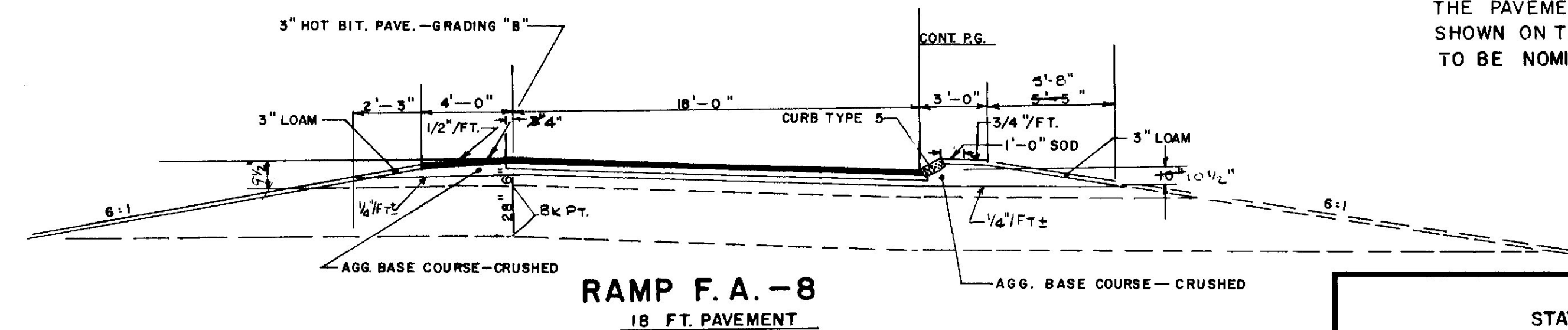
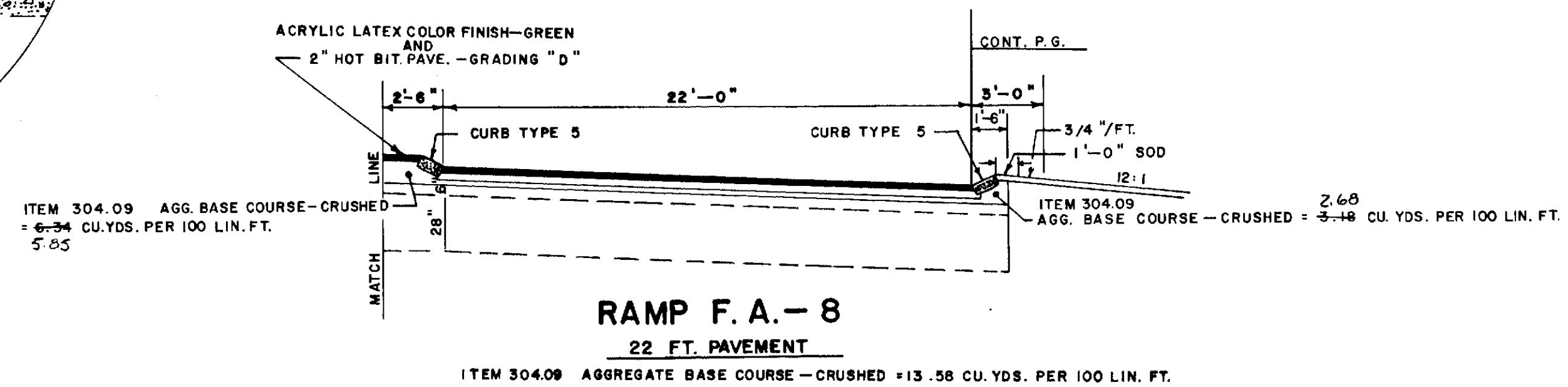
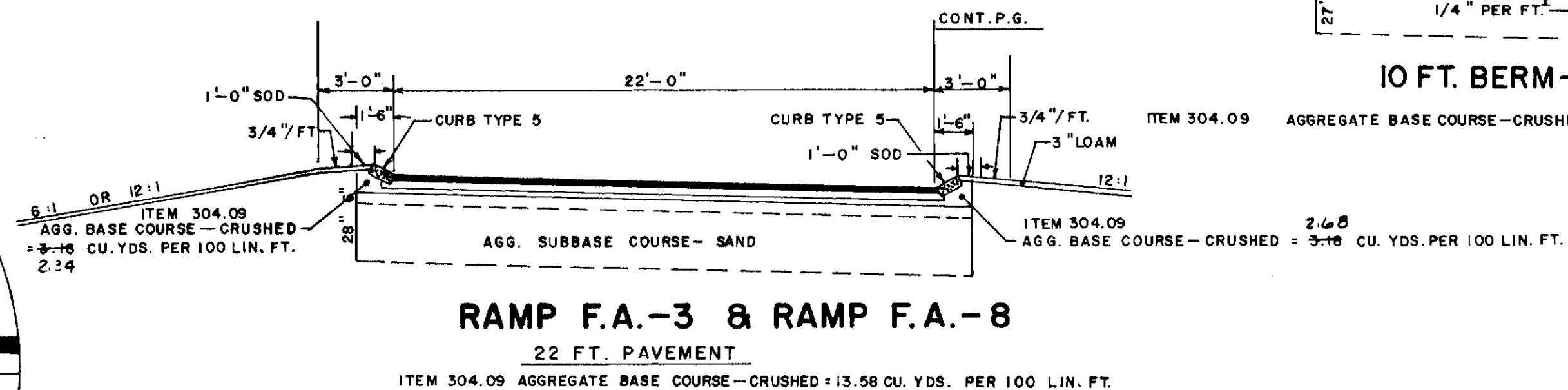
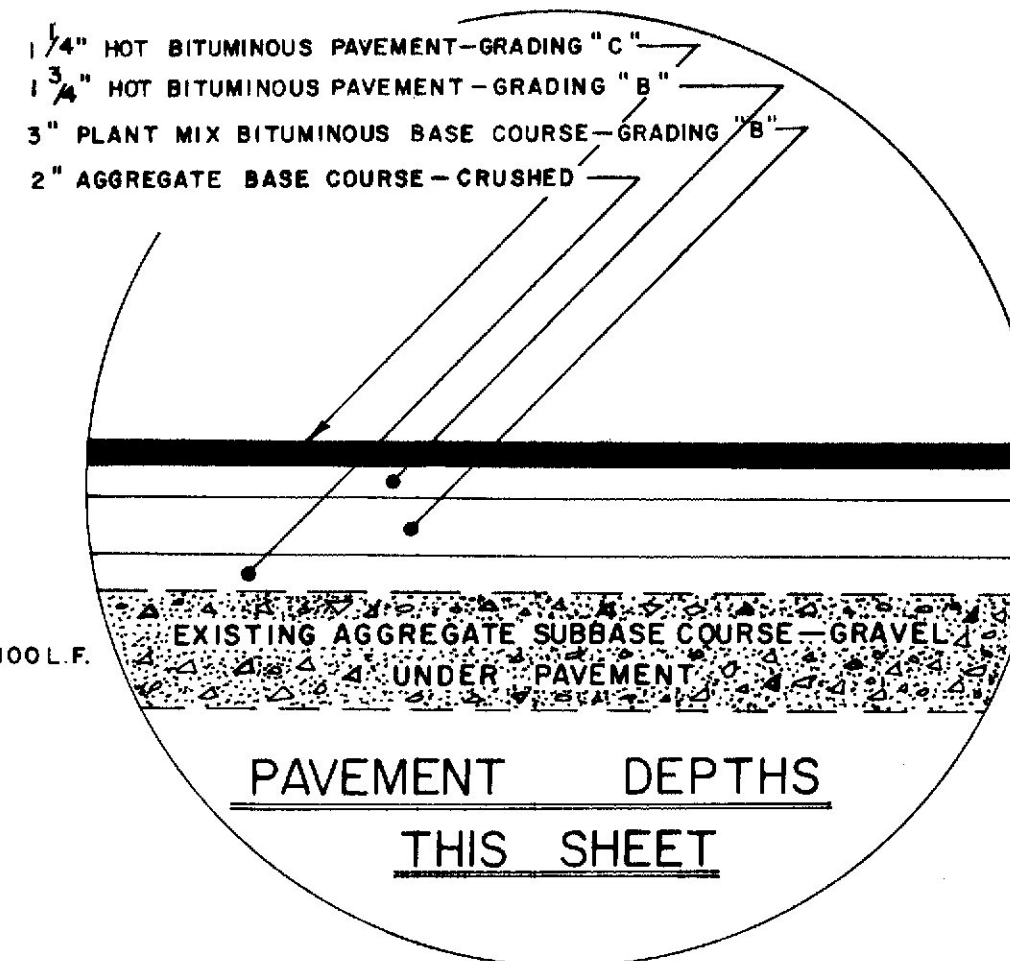
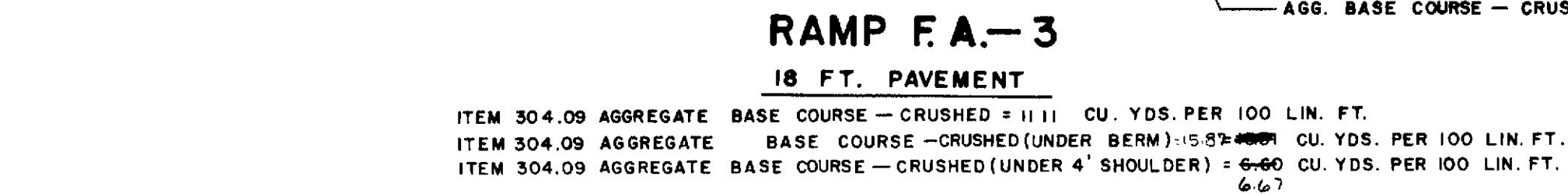
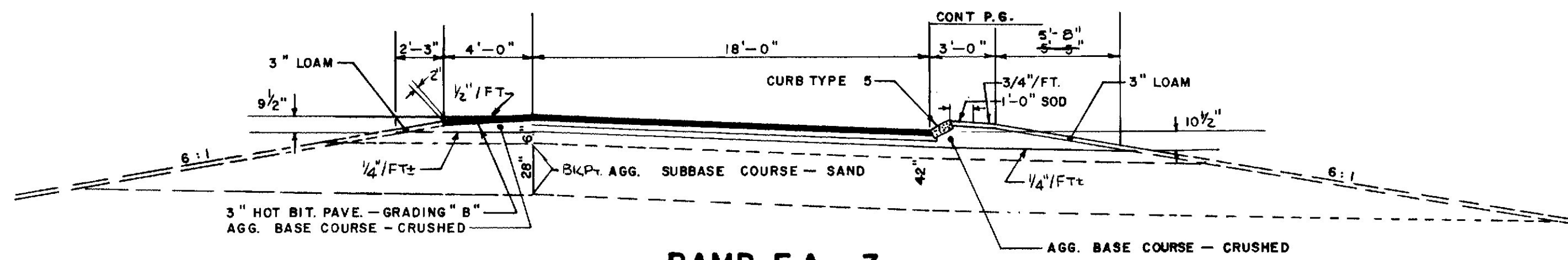
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
RAMPS
FA-1, 2, 5 & 6
FOREST AVENUE INTERCHANGE

SHEET OF AUGUSTA, MAINE

295 PORTLAND

DESIGN - DETAILED	DATE
CHECKED	1/1/73
REVISIONS	
FIELD CHANGES	

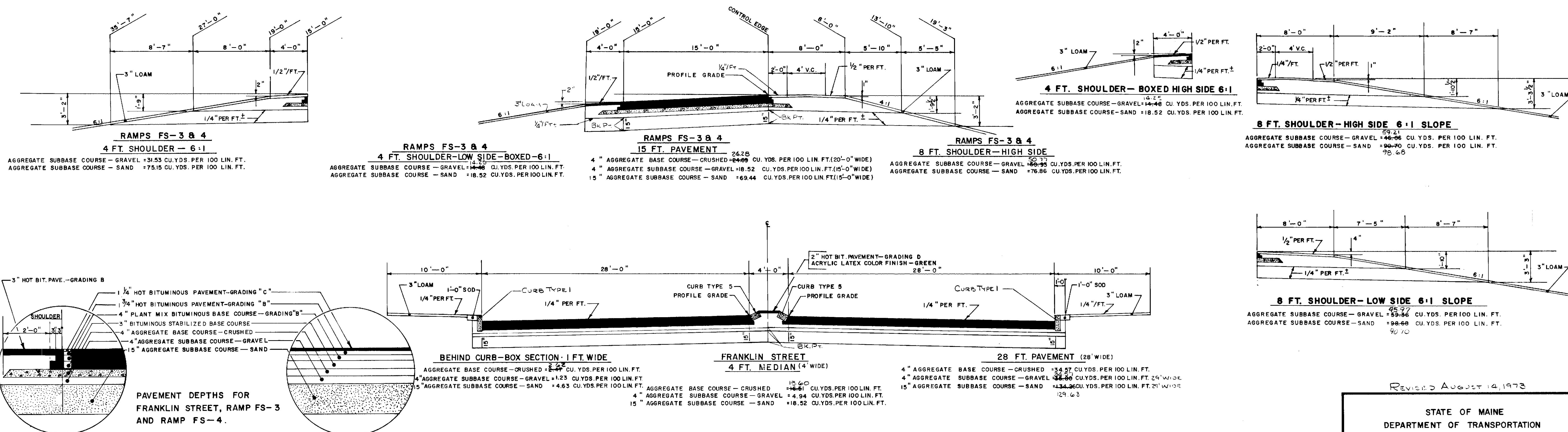
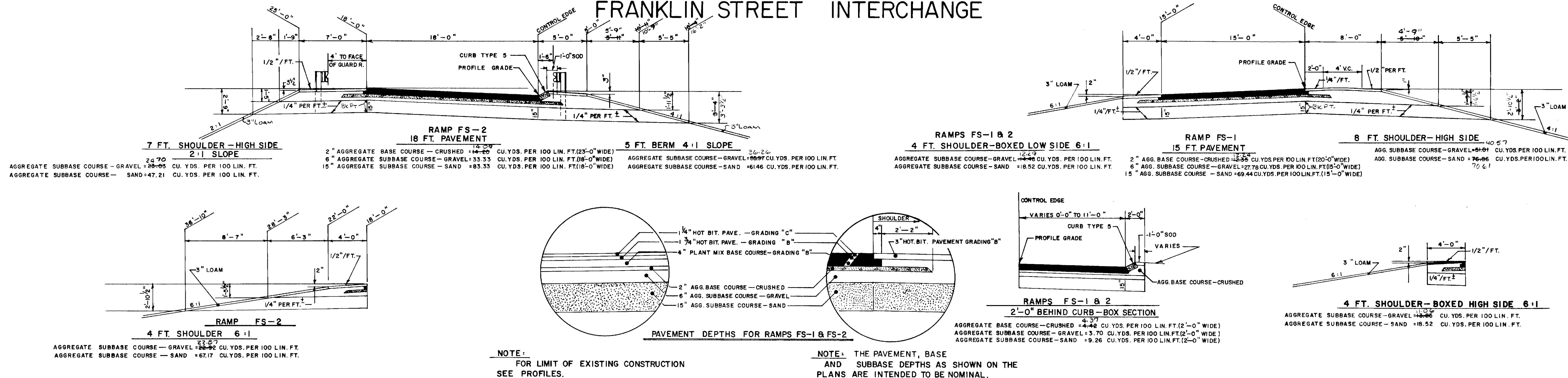
PLANS



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
RAMPS
FA-3,4,7 & 8
FOREST AVENUE INTERCHANGE

REVISED AUGUST 14, 1973

3" HOT BITUMINOUS PAVEMENT FRANKLIN STREET INTERCHANGE



REVISED AUGUST 14, 1978

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
RAMPS
FS-1, 2, 3, 4 AND
FRANKLIN STREET
FRANKLIN STREET INTERCHANGE
SHEET OF AUGUSTA, MAINE

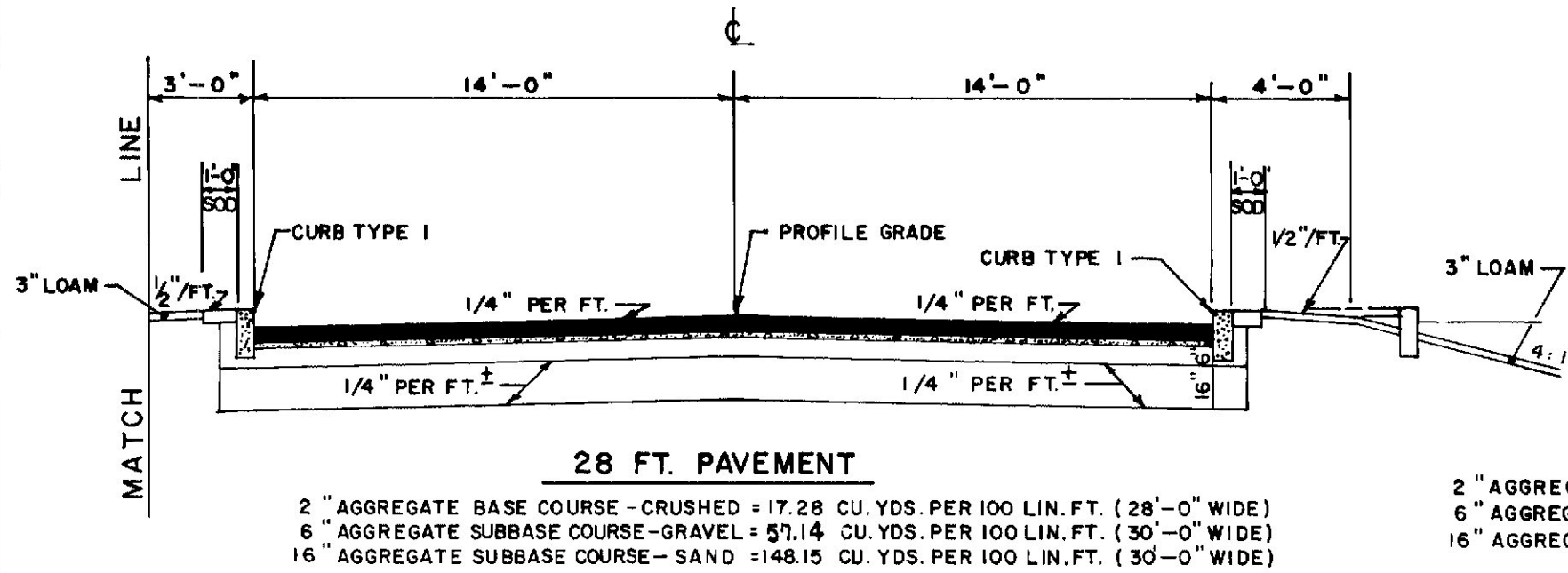
As Built 1974

ENR 3-26-76

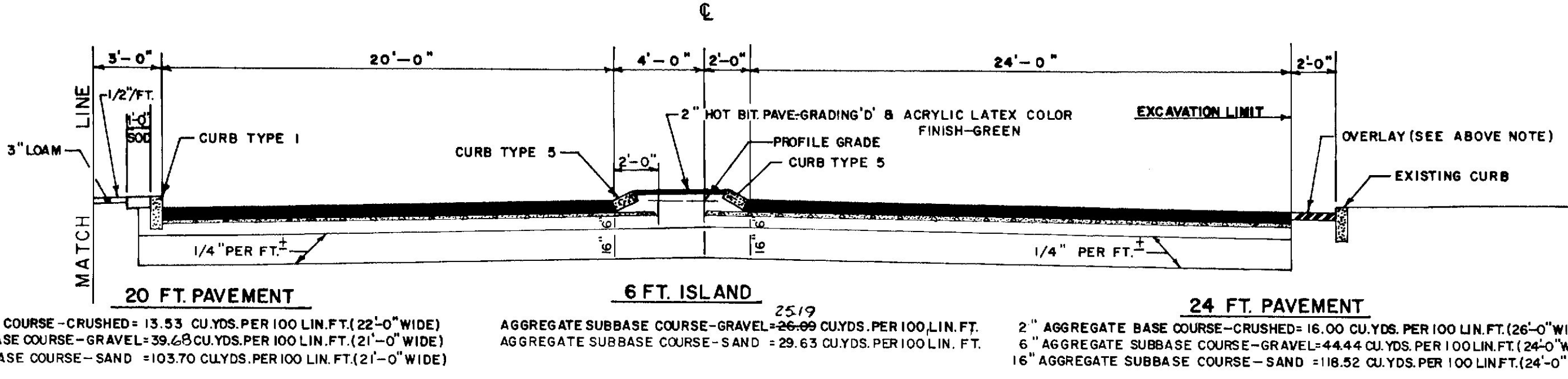
3" HOT BITUMINOUS PAVEMENT

NOTE:
REMOVE TOP COURSE OF EXISTING
PAVEMENT AND REPLACE WITH 1 1/4" HOT
BITUMINOUS PAVEMENT GRADING "C" OR
AS DIRECTED BY THE ENGINEER.

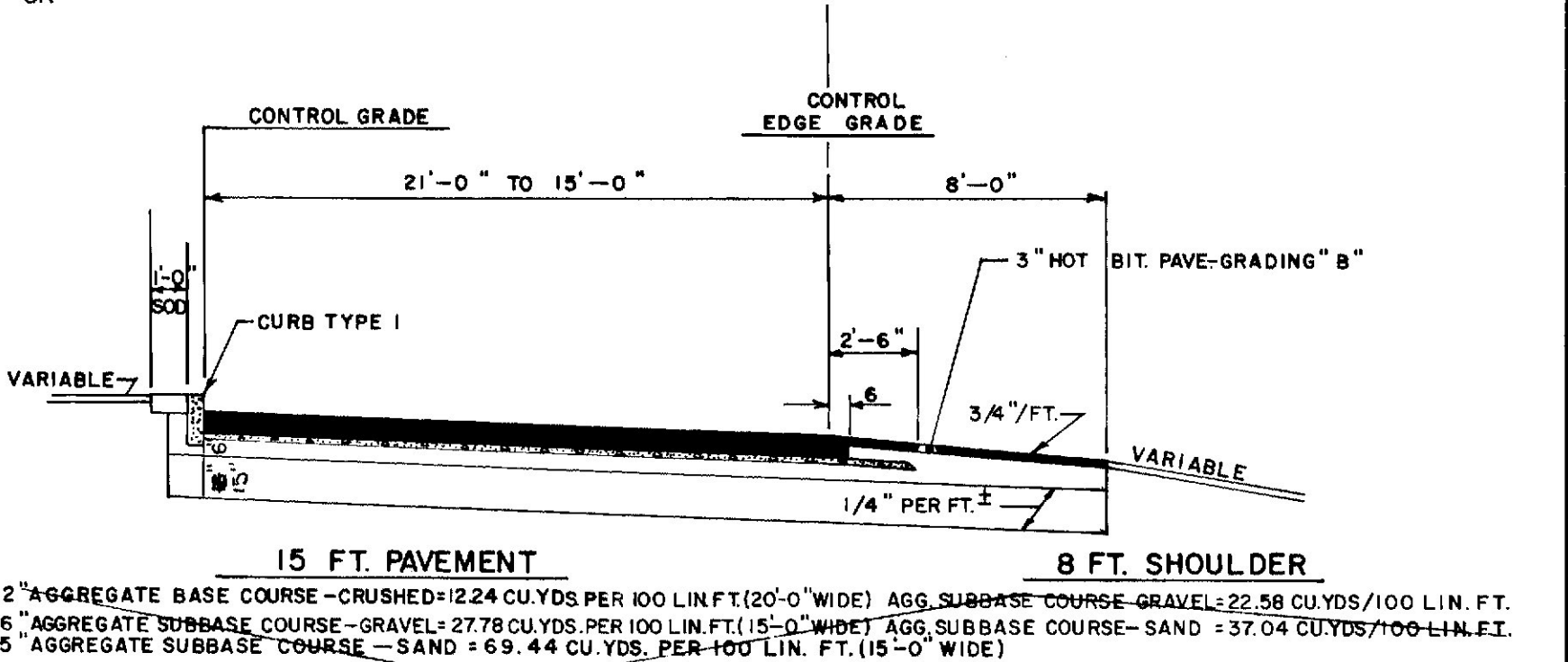
F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1225-376	12	218



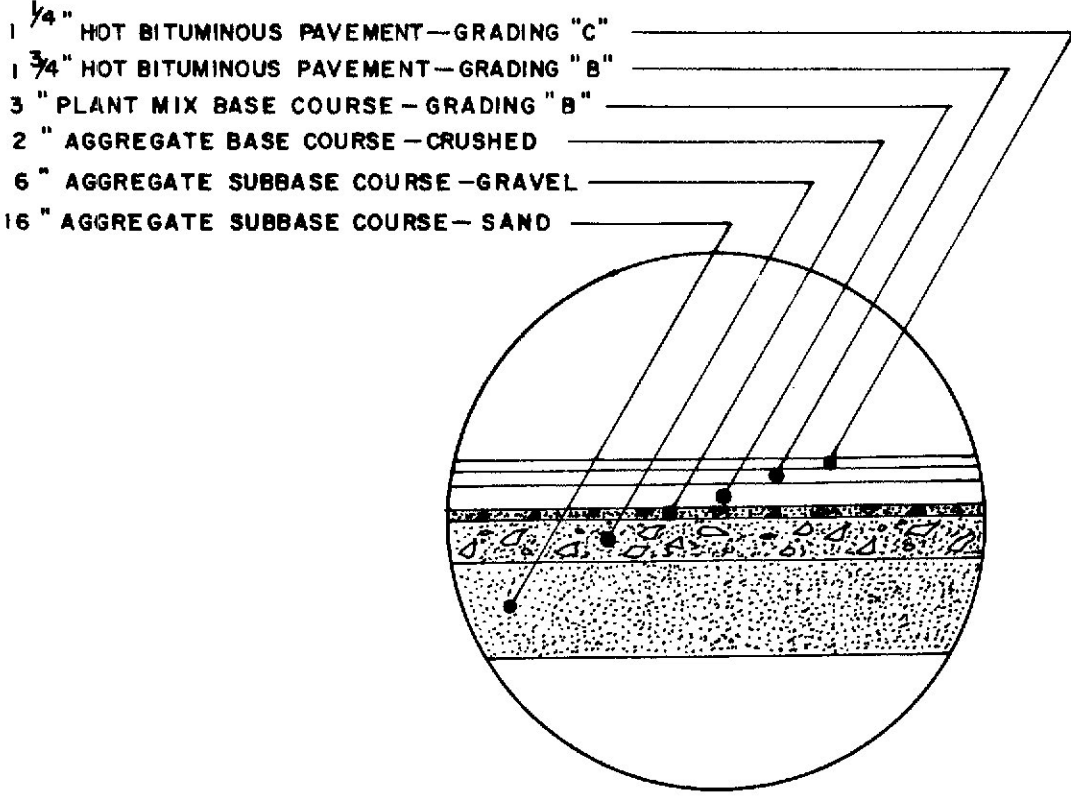
EAST COMMERCIAL STREET



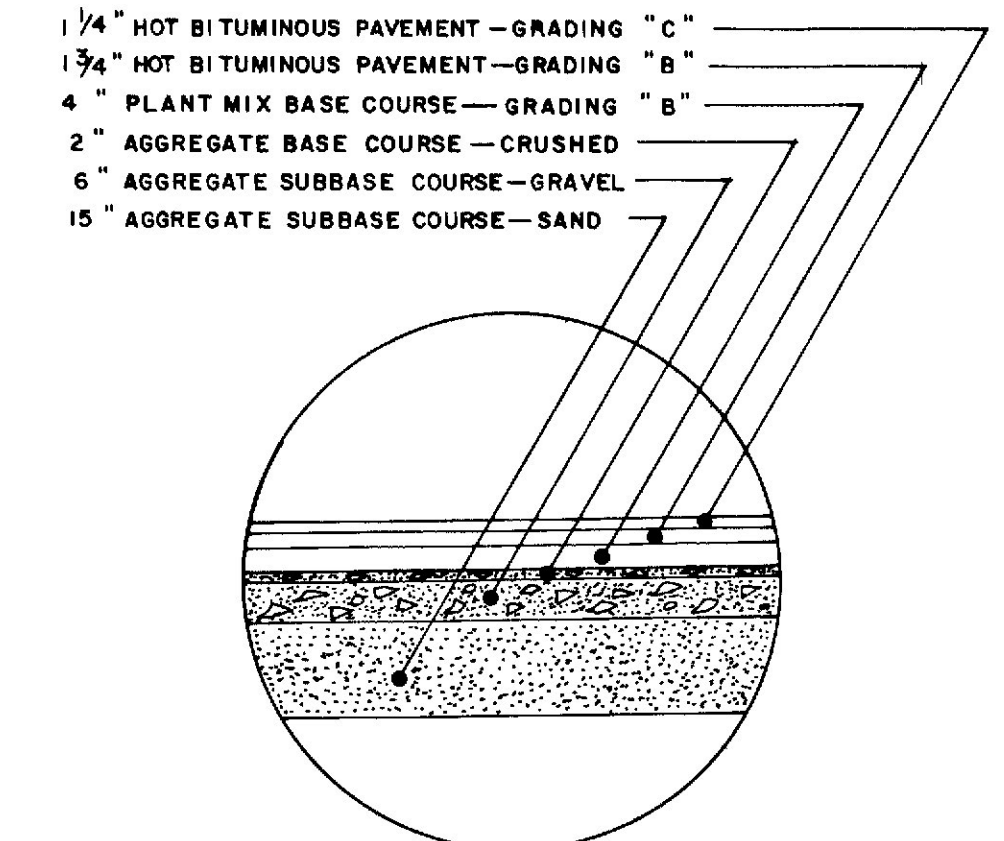
MARGINAL WAY



RAMP M.W.



PAVEMENT, BASE, AND SUBBASE DEPTHS FOR
MARGINAL WAY, PLOVERMAN, AND EAST COMMERCIAL ST.



PAVEMENT, BASE, AND SUBBASE DEPTHS
FOR RAMP M.W.

NOTE: THE PAVEMENT, BASE AND SUBBASE DEPTHS
AS SHOWN ON THE PLANS ARE INTENDED
TO BE NOMINAL.

REVISED AUGUST 14, 1973

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
RAMP M.W.
EAST COMMERCIAL ST.
AND MARGINAL WAY

As Built 1974

LWP 3-26-76

SHEET OF AUGUSTA, MAINE

295 PORTLAND

2000

DESIGN - DETAILED	CHECKED	REVISIONS	FIELD CHANGES
BY	DATE		
6/2/73	4/4/73		

PLANS

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
20220	Removing Bituminous Concrete Pavement	414	S.Y.
20320	Common Excavation	232,000	C.Y.
**20324	Common Borrow	125,000	C.Y.
*20325	Granular Borrow	5,000	C.Y.
20606	Str. Earth Excav.-Drainage & Minor Strs.	8,750	C.Y.
301.09	Plant Mix Bit. Base Course, Grading B	31,300	TON
304.09	Aggregate Base Course-Crushed	21,230	C.Y.
304.10	Aggregate Subbase Course-Gravel	62,200	C.Y.
304.12	Aggregate Subbase Course-Sand	162,000	C.Y.
310.13	Plant Mixed Bit. Stabilized Pavement	21,100	TON
403.07	Hot Bit. Pavement, Grading B	31,800	TON
403.08	Hot Bit. Pavt., Grading C	2,900	TON
403.101	Hot Bit Pavt., Grading D (Sidewalks, Drives, Etc)	630	TON
403.121	Hot Bit Pavt., Grading E (Shimming)	2,870	TON
403.131	Hot Bit Pavt., Grading G	5,700	TON
410.15	Emulsified Asphalt, Applied	12,000	GAL
410.161	Cover Coat Material, Sand (Leveling)	500	C.Y.
502.36	Struct. Conc. Exist. Struct. Modifications	L.S.	L.S.
502.45	Struct. Conc., Approach Slab	470	C.Y.
503.12	Reinforcing Steel, Fab. & Delivered	122,619	LB.
503.13	Reinforcing Steel, Placing	122,619	LB.
508.10	Membrane Waterproofing	18,883	S.Y.
515.20	Protective Coating for Conc. Surfaces	135	S.Y.
603.152	12inch Bit. Coated Corr. Metal Pipe	54	L.F.
603.153	12inch Corrugated Aluminum Pipe	18	L.F.
603.155	12inch R.C.P. Class III	4,472	L.F.
603.156	12inch Culvert Pipe, Option II	380	L.F.
603.163	15inch Corrugated Aluminum Pipe	40	L.F.
603.165	15inch R.C.P. Class III	256	L.F.
603.175	18inch R.C.P. Class III	288	L.F.
603.193	24inch Corrugated Aluminum Pipe	216	L.F.
603.195	24inch Culvert Pipe, Option II	4	L.F.
603.39	24inch R.C.P. Class IV	44	L.F.
604.07	Catch Basins Type A1	16	EACH
604.071	Catch Basins Type A-1-P	12	EACH
604.09	Catch Basins Type B1	67	EACH
604.091	Catch Basins Type B-1-P	1	EACH
604.16	Altering Catch Basins To Manholes	8	EACH
604.17	Altering Manholes To Catch Basins	2	EACH
604.18	Adjusting M.H. & C.B. to Grade	31	EACH
604.186	Aluminum Manhole Covers	3	EACH
604.20	12inch Traps	1	EACH
604.21	15inch Traps	2	EACH
604.24	Catch Basins, Type F	21	EACH
605.09	6inch Underdrain Type B	15,750	L.F.
605.10	6inch Underdrain Outlet	2,446	L.F.
605.11	12inch Underdrain Type C	1,189	L.F.
605.12	15inch Underdrain Type C	702	L.F.
605.13	18inch Underdrain Type C	372	L.F.

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
609.11	Vertical Curb-Type I	13,200	L.F.
609.12	Vertical Curb- Circular-Type I	575	L.F.
609.23	Terminal Curb, Type I	57	EACH
609.25	Curb Transition Section A-Type I	2	EACH
609.26	Curb Transition Section B-Type I	35	EACH
609.27	Curb Transition Section C-Type I	10	EACH
609.32	Curb Type 3a	110	L.F.
609.34	Curb Type 5	24,300	L.F.
609.35	Curb-Circular-Type 5	160	L.F.
609.38	Resetting Curb Type I	2,200	L.F.
610.02	Plain Riprap	60	C.Y.
610.07	Hand Laid Riprap	120	C.Y.
615.07	Loam	250	C.Y.
616.08	Sodding	100	S.Y.
*617.09	Erosion Control Mesh	4000	S.Y.
*618.14	Seeding Method No. 2	750	UNITS
*618.15	Temporary Seeding	225	L.B.
619.09	Hay Mulch	1650	UNIT
*629.05	Labor, Straight Time	250	M.HR.
*630.06	Traffic Officers	450	M.HR.
*631.10	Air Compressor (inc. operator)	50	HOURL
*631.11	Air Tool (inc. op.)	100	HOURL
*631.12	All Purpose Excavator (inc. op.)	60	HOURL
*631.13	Bulldozer (inc. op.)	100	HOURL
*631.14	Grader (inc. op.)	20	HOURL
*631.171	Truck-small (inc. op.)	160	HOURL
*631.20	Stump Chipper rental (inc. op.)	20	HOURL
*631.21	Road Broom (inc. op. & hauler)	40	HOURL
*631.22	Front End Loader (inc. op.)	20	HOURL
632.08	Warning Lights	3	GRP
633.02	Portable Barricade	17	EACH
634.176	Bituminized Fibre Junction Box	1	EACH
634.184	2" Steel Conduit Exposed Or In Trench	312	L.F.
634.225	Light Standard Foundation, Type A	4	EACH
634.266	Remove & Reset Light Standards	4	EACH
*637.07	Sprinkling	750	M.G.
*637.08	Calcium Chloride	75	TON
*639.08	Field Office, Type A	1	EACH
*639.11	Testing Facilities, Soils	NEC	L.S.
*639.12	Testing Facilities, Bit. Mixes	NEC	L.S.
646.19	Adjusting And Caping Riser Pipes	20	EACH
*656.50	Baled Hay, in place	15	EACH
*656.51	Sand Bags, in place	15	EACH
*656.55	Dumped Stone	10	C.Y.
*656.60	Temporary Berms	10,000	L.F.
*656.62	Temporary Slope Drains	200	L.F.
*657.601	Seed And Application, Method A	220	UNIT
658.20	Acrylic Latex Color Finish, Green	5,200	S.Y.
*660.21	On-the-Job Training (Bid)	3,000	M.HR.

SUMMARY OF EXCAVATION AND BORROW

COMMON EXCAVATION FOR ESTIMATE

Common Excavation (From Cross Sections) _____ 225,823
Grubbing In Fill Sections _____ 5,084
Total Common Excavation _____ 230,907

FILL FOR COMMON BORROW CALCULATIONS

Common Fill (From Cross Sections) _____ 288,853
Grubbing (Fill Areas) _____ 5,084
Total Fill _____ 293,937

AVAILABLE COMMON EXCAVATION FOR COMMON BORROW CALCULATIONS

(1) Total Common Excavation _____ 230,907
Deductions:
Grubbing In Cut Areas 20,407 x 0% = 0
Grubbing In Fill Areas 5,804 x 0% = 0
(2) Total Deductions _____ 0
Total Available Common Excav. (1) Minus (2) _____ 230,907
Total Available Struct. Excav. (Underdrain Only) _____ 4,781
Total Available Non-Rock Excav. _____ 235,688

COMPUTATION OF COMMON BORROW FOR ESTIMATE

Total Fill _____ 293,937
Total Available Non-Rock Excav. 235,688 x 0.85 = _____ 200,335
Total Available Excav. _____ 200,335
Total Fill Minus Total Available Excavation _____ 93,602
Common Borrow= 93,602 x 1.15 = _____ 107,642
See General Note 23 On Sheet 24 _____ 17,000
Total Common Borrow _____ 124,642

NOTE:

*=Undetermined Location
**=1850 S.Y. Undetermined Location
***=17000 C.Y. Undetermined Location

QUANTITY SHEET

[illegible][illegible]

203-1 2080

DRAINAGE

[illegible]

NOTE 1. CULVERT PIPE EXTENSIONS SHALL BE INCIDENTAL TO THE CATCH BASINS.

DRAINAGE CONT'D.

[illegible]

Revised As Built C.W. Putney of 4-27-76