

BANGOR

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

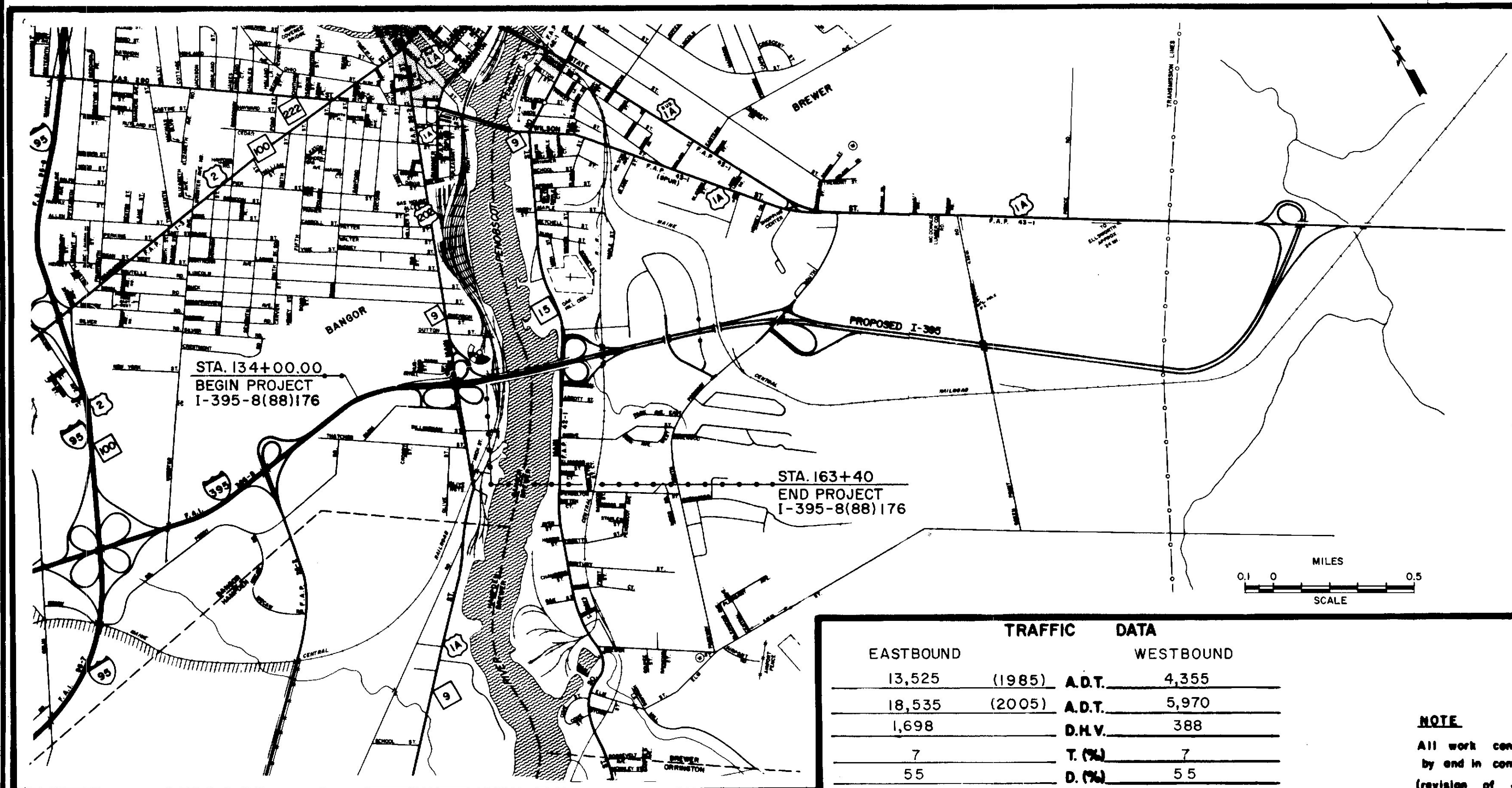
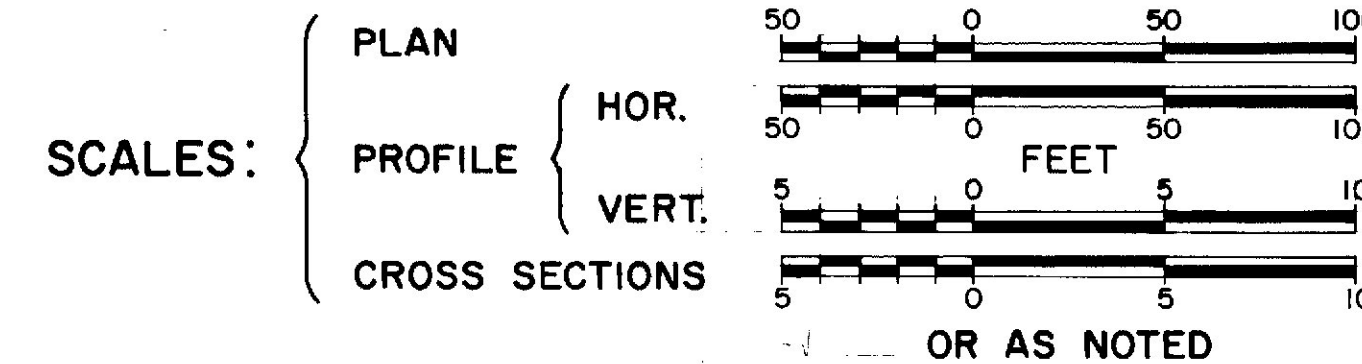


PLANS

CITY OF BANGOR
PENOBSCOT COUNTY
MAINE FEDERAL AID INTERSTATE

I - 395 - 8(88)176

PROJECT LENGTH: 0.557 MILES
GRADING, DRAINAGE, BASE, PAVEMENT & BRIDGE
COMPLETED 1986

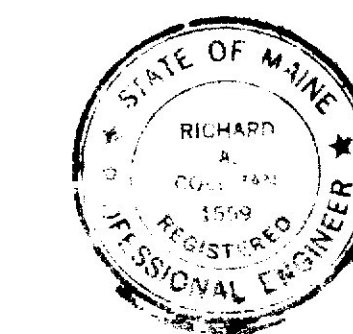


A PORTION OF PENOBSCOT COUNTY

TRAFFIC DATA					
EASTBOUND			WESTBOUND		
13,525	(1985)	A.D.T.	4,355		
18,535	(2005)	A.D.T.	5,970		
1,698		D.H.V.	388		
7		T. (%)	7		
55		D. (%)	55		
60 MPH		V.	60 MPH		
N/A		P.S.D. (%)	N/A		
527		18 KIPS	527		

NOTE

All work contemplated under this contract to be governed by and in conformity with the STANDARD SPECIFICATIONS (revision of January 1984) and supplements thereto, except as modified on the plans and in the special provisions.



APPROVED:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

7/10/85

COMMISSIONER

Richard A. Cushman
CHIEF ENGINEER

7/12/85

UNITED STATES
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
REGION 1

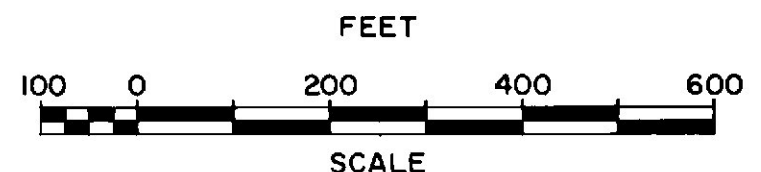
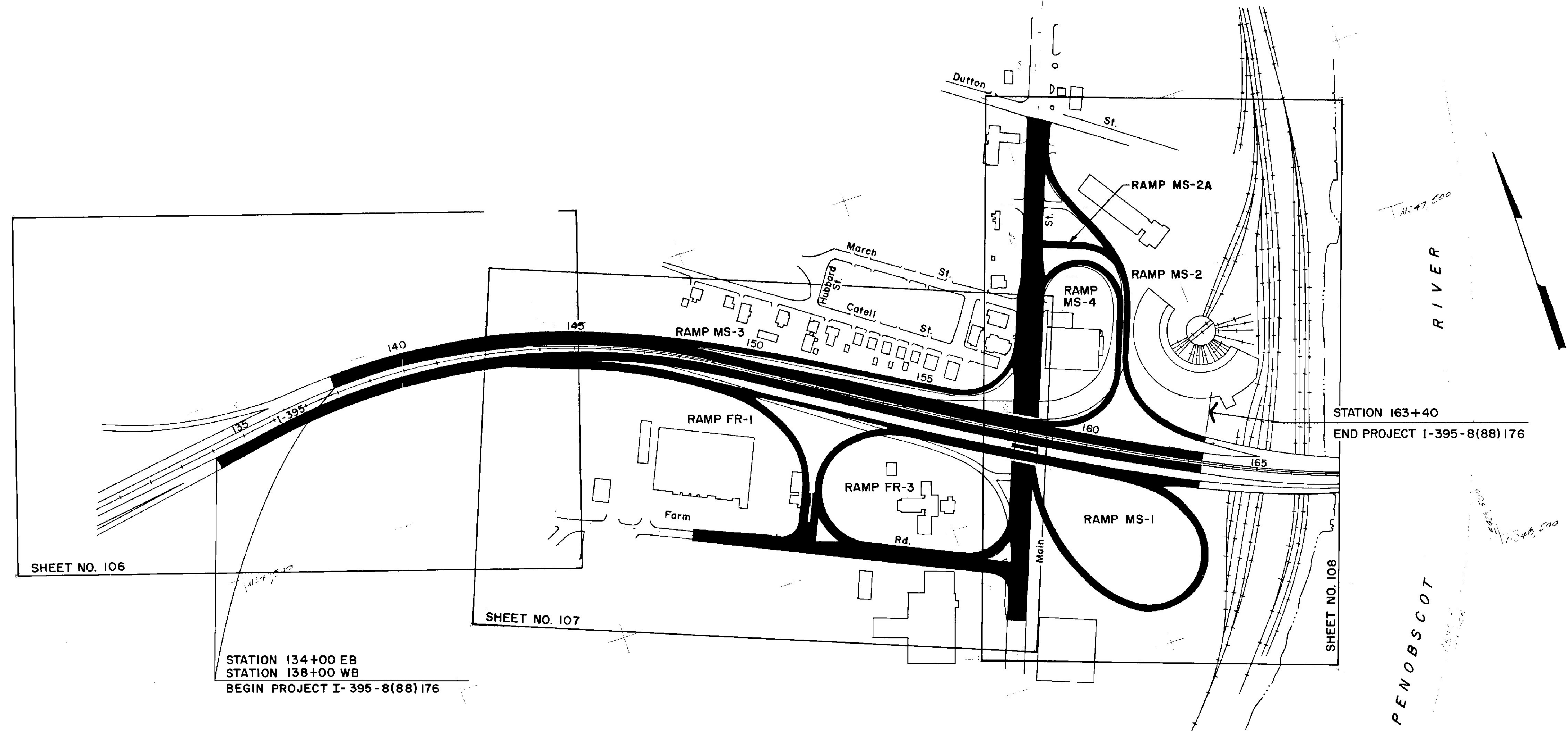
APPROVED:

DIVISION ADMINISTRATOR DATE

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BANGOR

I-395

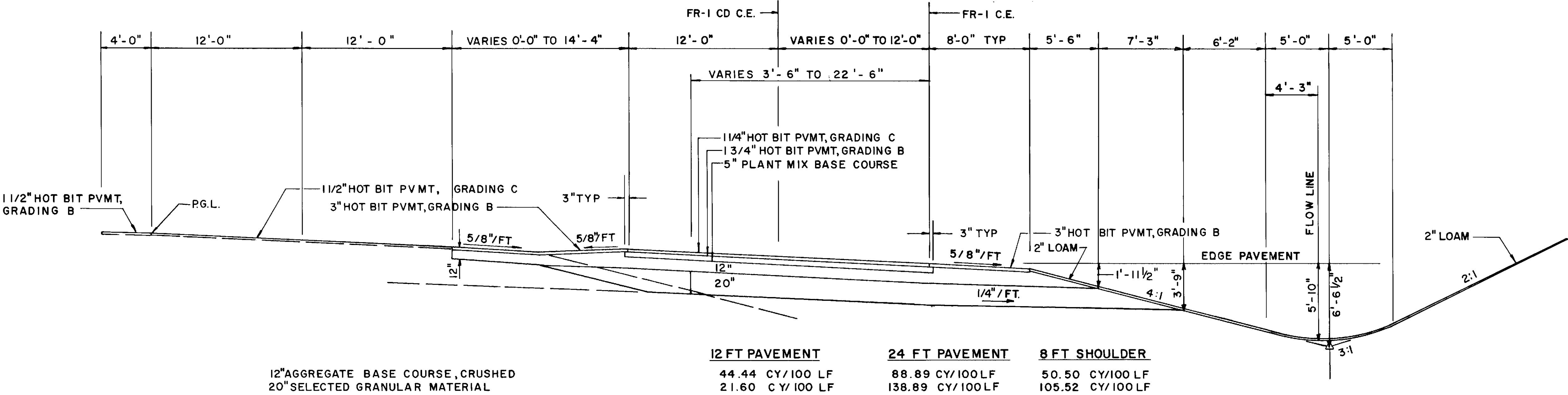


STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
LAYOUT PLAN	
SHEET 1 OF 1 AUGUSTA, MAINE	

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

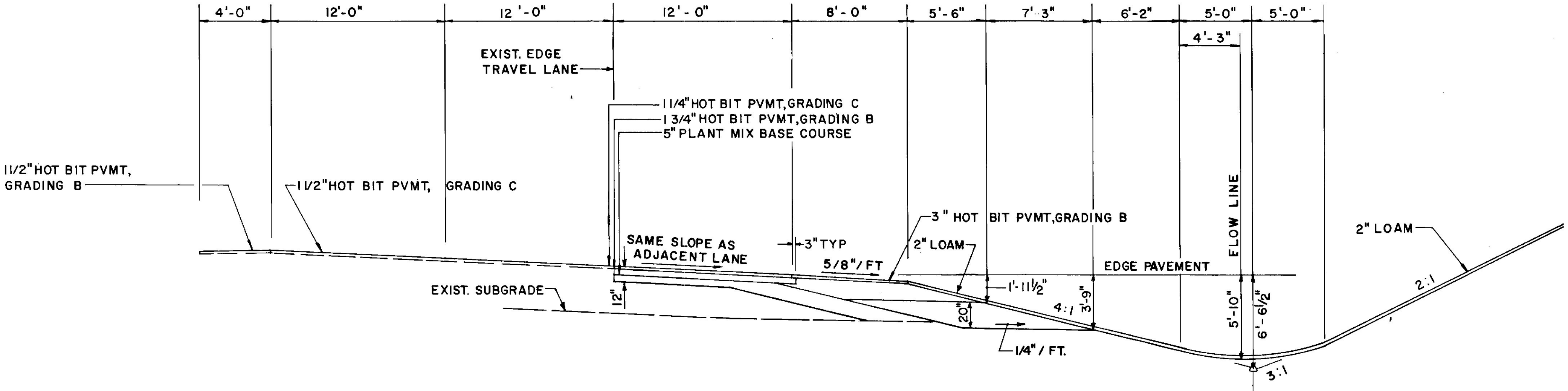
3" HOT BITUMINOUS PAVEMENT

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-8(88)	3	216



I-395 EASTBOUND AND FR-1 CD ROAD
STA. 143+00 TO STA. 147+50

RAMP FR-1 SHOULDER
STA. 0+00.14 TO STA. 1+93.73



I-395 EASTBOUND
STA. 134+00 TO STA. 143+00

- NOTES:
1. THE PAVEMENT, BASE AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
 2. FOR SUPERELEVATION DATA, REFER TO ROADWAY AND CURBING PLANS.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
EASTBOUND M
& CD ROAD

TYPICALS AS CONSTRUCTED
P DUNN FEB 1987

SHEET 1 OF 12 AUGUSTA, MAINE

BANGOR

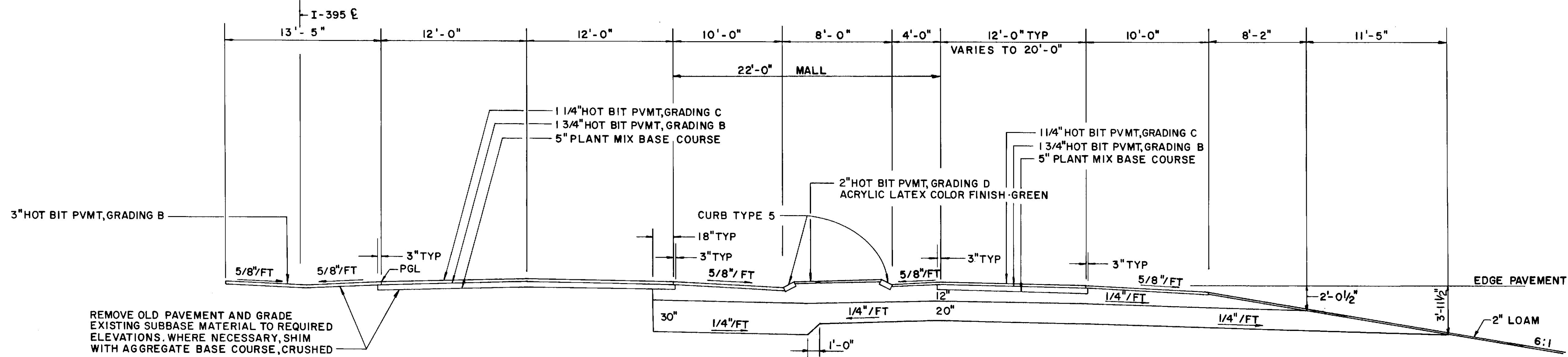
I-395

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

BRUNING 44-132 45710-1

3" HOT BITUMINOUS PAVEMENT

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-8(88)	4	216

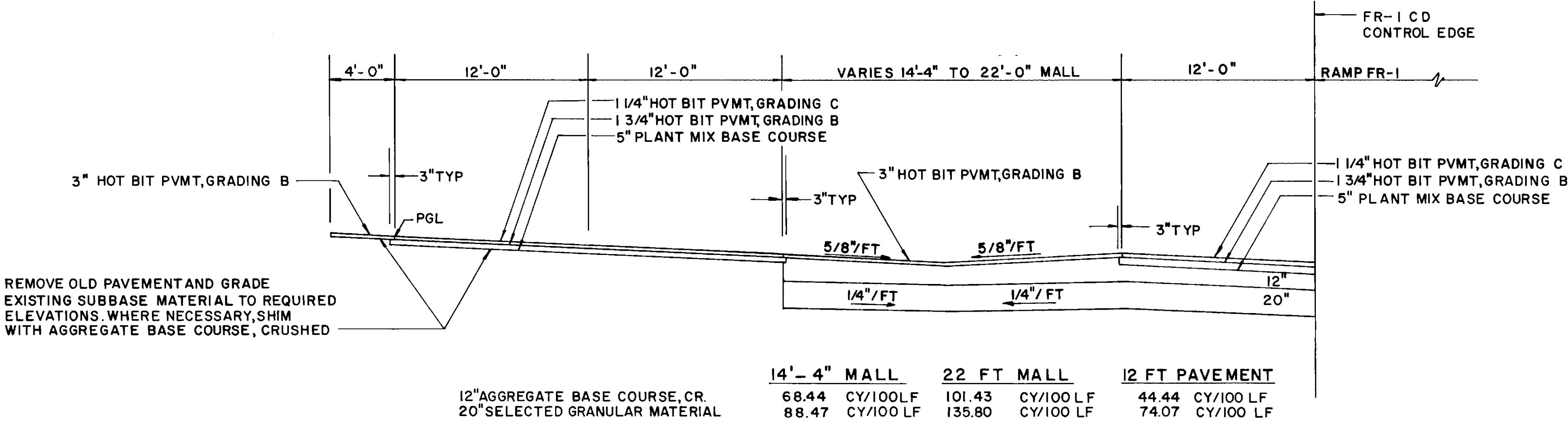


	22 FT MALL	12 FT PAVEMENT	20 FT PAVEMENT	10 FT SHOULDER
12" AGGREGATE BASE COURSE, CRUSHED	113.54 CY/100 LF	44.44 CY/100 LF	74.07 CY/100 LF	64.18 CY/100 LF
20" SELECTED GRANULAR MATERIAL	171.29 CY/100 LF	74.07 CY/100 LF	123.46 CY/100 LF	147.23 CY/100 LF

13'-5" MALL
STA. 149 + 29.92 TO STA. 153 + 50

EASTBOUND
STA. 149 + 29.92 TO STA. 154 + 00

SHOULDER
STA. 150 + 65± TO STA. 154 + 35±



	14'-4" MALL	22 FT MALL	12 FT PAVEMENT
12" AGGREGATE BASE COURSE, CR.	68.44 CY/100 LF	101.43 CY/100 LF	44.44 CY/100 LF
20" SELECTED GRANULAR MATERIAL	88.47 CY/100 LF	135.80 CY/100 LF	74.07 CY/100 LF

EASTBOUND
STA. 147 + 50 TO STA. 149 + 29.92

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

EASTBOUND M
& CD ROAD

TYPICALS AS CONSTRUCTED
P DUNN FEB 1987

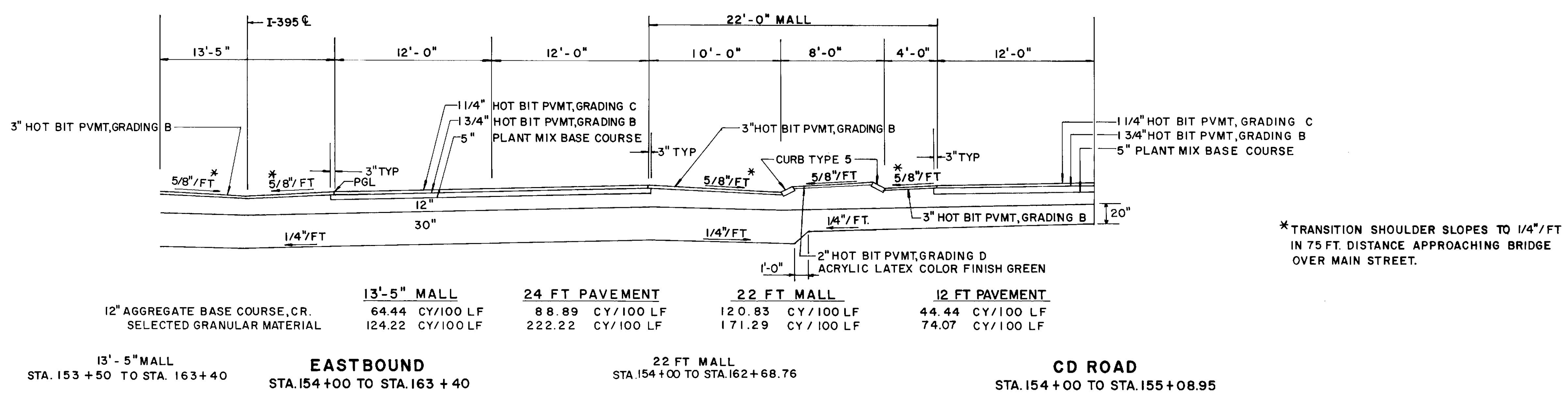
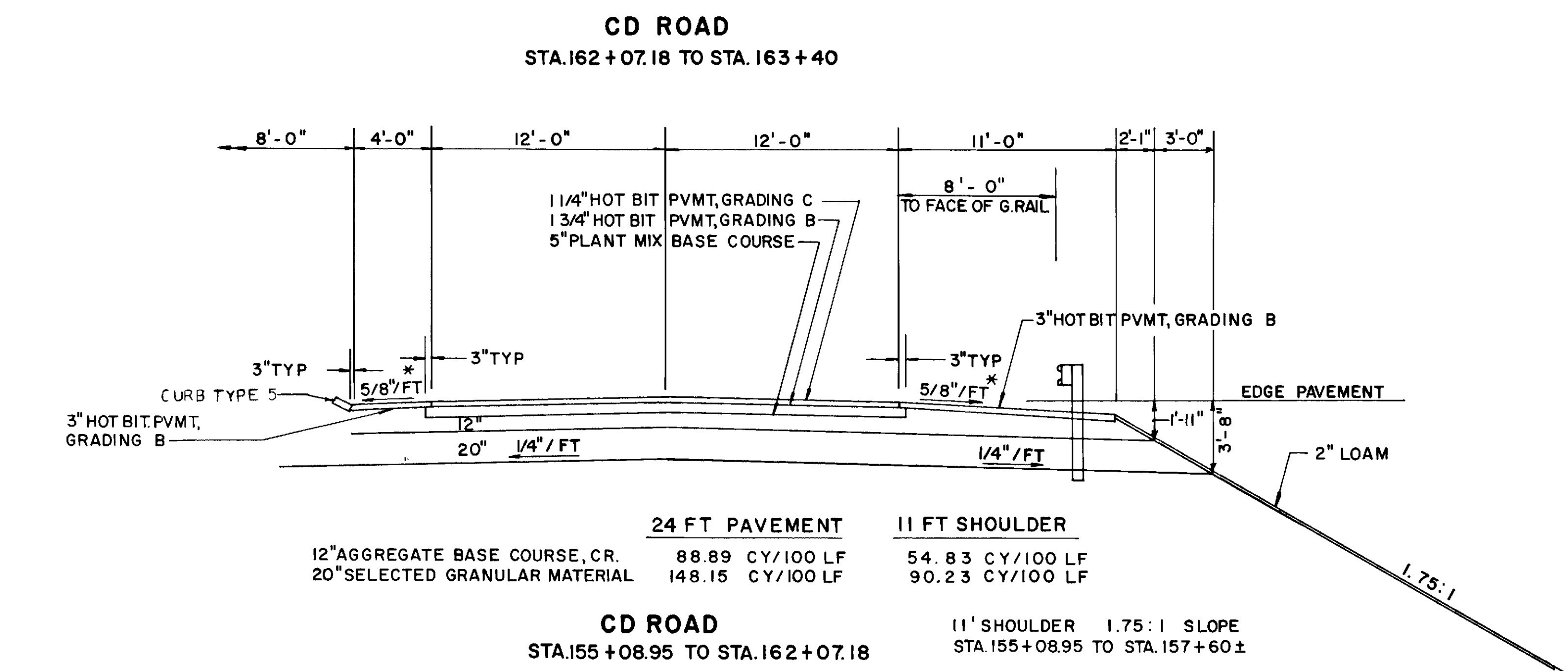
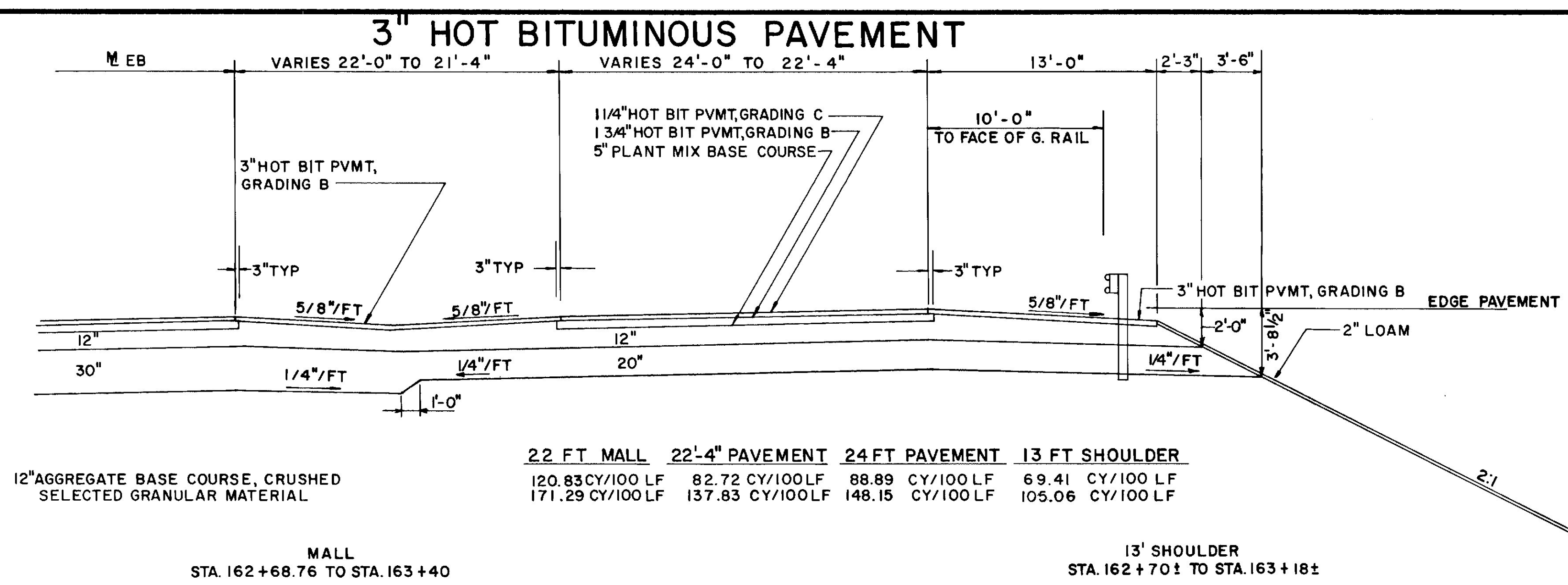
SHEET 2 OF 12 AUGUSTA, MAINE

BANGOR

I-395

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

BRUNING 44-132 45710-1



- NOTES:
1. THE PAVEMENT, BASE AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

EASTBOUND M & CD ROAD

TYPICALS AS CONSTRUCTED
P DUNN FEB 1987

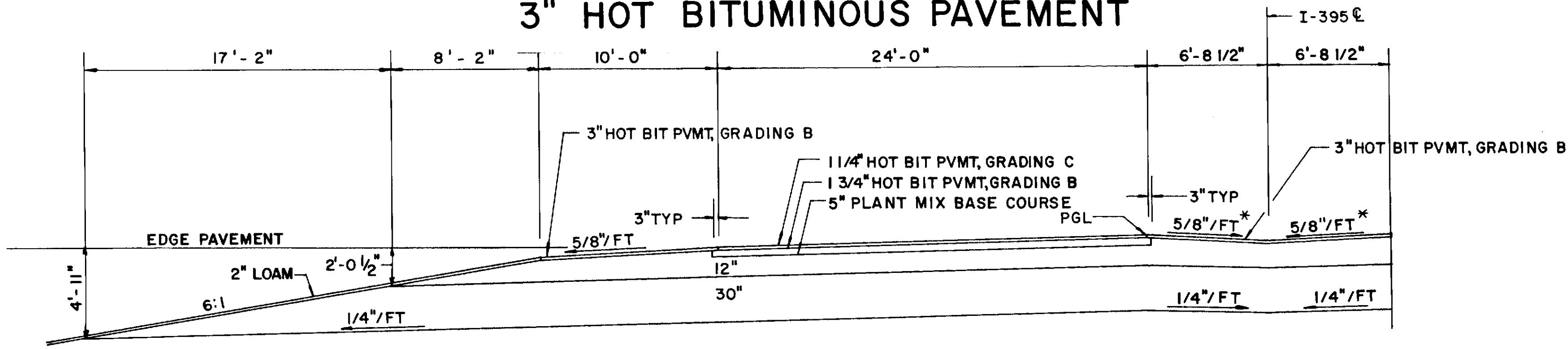
PROJECT DESIGN ENGINEER
DESIGN - DETAILED
CHECKED
REVISIONS
FIELD CHANGES
PLANS
BY
DATE

BRUNING 44-32-45710-1

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

3" HOT BITUMINOUS PAVEMENT

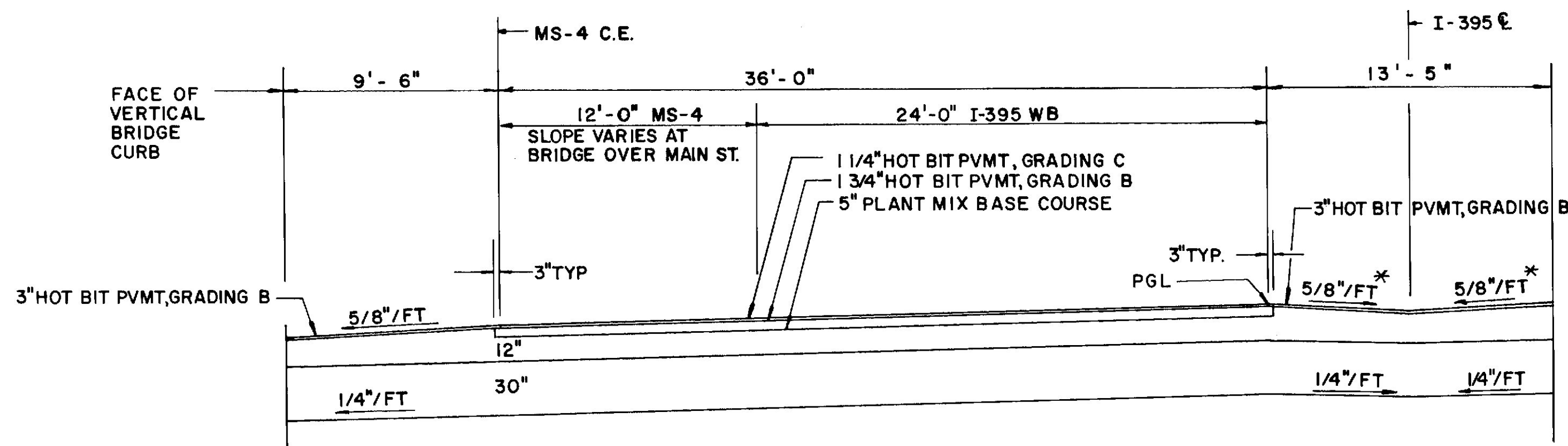
F.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-8(88)	7	216



10 FT SHOULDER	24 FT PAVEMENT	13'-5" MALL
12" AGGREGATE BASE COURSE, CRUSHED	64.13 CY/100 LF	64.44 CY/100 LF
30" SELECTED GRANULAR MATERIAL	246.94 CY/100 LF	124.22 CY/100 LF

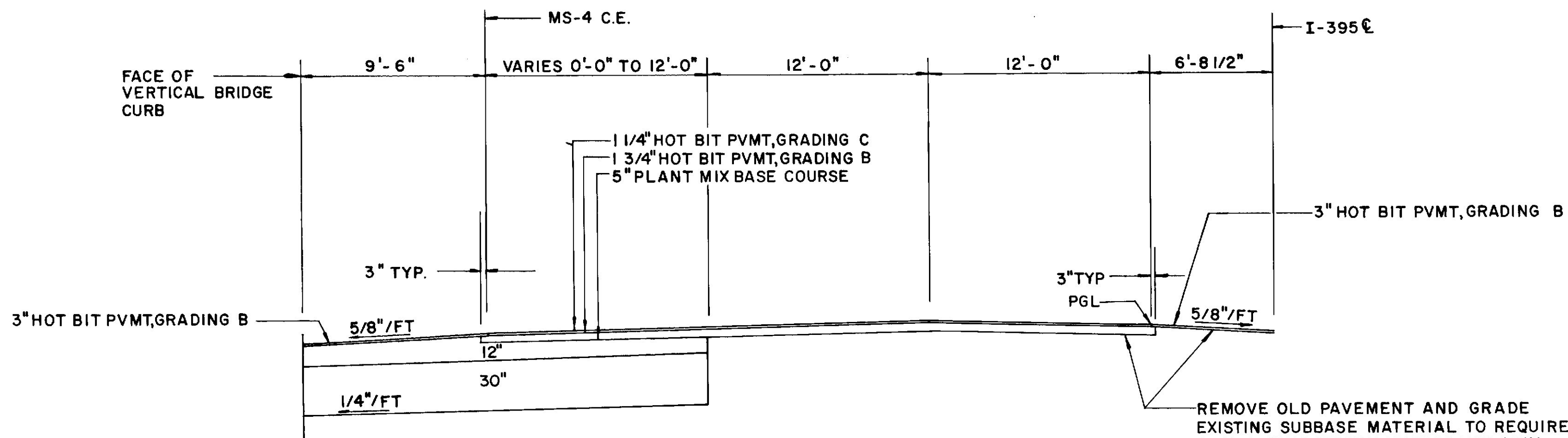
10 FT SHOULDER
STA. 159+44.1 TO STA. 163+40

I-395 WESTBOUND
STA. 158+25 TO STA. 163+40



9'-6" SHOULDER	36 FT PAVEMENT	13'-5" MALL
12" AGGREGATE BASE COURSE, CR.	44.24 CY/100 LF	64.44 CY/100 LF
30" SELECTED GRANULAR MATERIAL	87.96 CY/100 LF	124.22 CY/100 LF

I-395 WESTBOUND
STA. 153+50 TO STA. 158+25



9'-6" SHOULDER	12 FT LANE
12" AGGREGATE BASE COURSE, CR.	44.24 CY/100 LF
30" SELECTED GRANULAR MATERIAL	87.96 CY/100 LF

I-395 WESTBOUND
STA. 150+50 TO STA. 153+50

*TRANSITION SHOULDER SLOPES TO 1/4"/FT.
IN 75 FT. DISTANCE APPROACHING BRIDGE
OVER MAIN STREET.

- NOTES:
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

WESTBOUND MAINLINE

TYPICALS AS CONSTRUCTED
P.D. JUNE 1987

SHEET 5 OF 12 AUGUSTA, MAINE

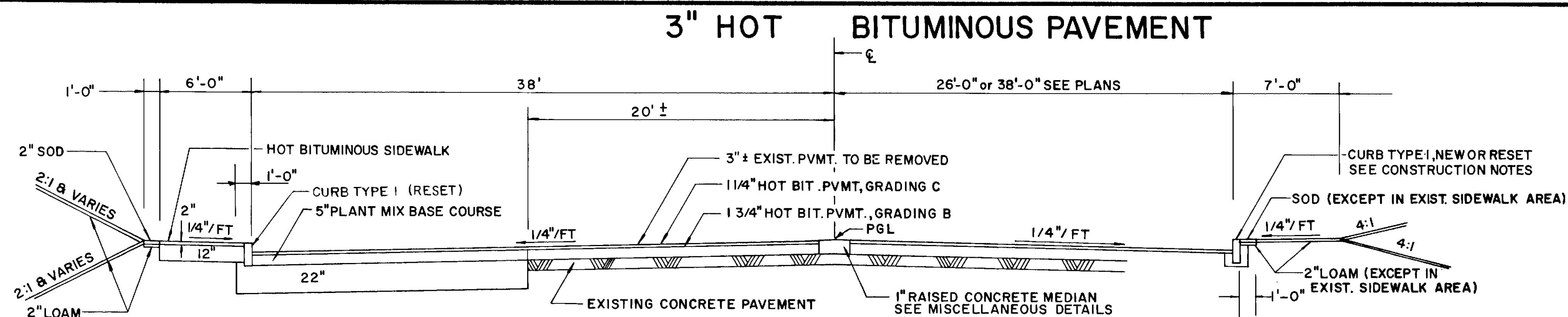
BANGOR

I-395

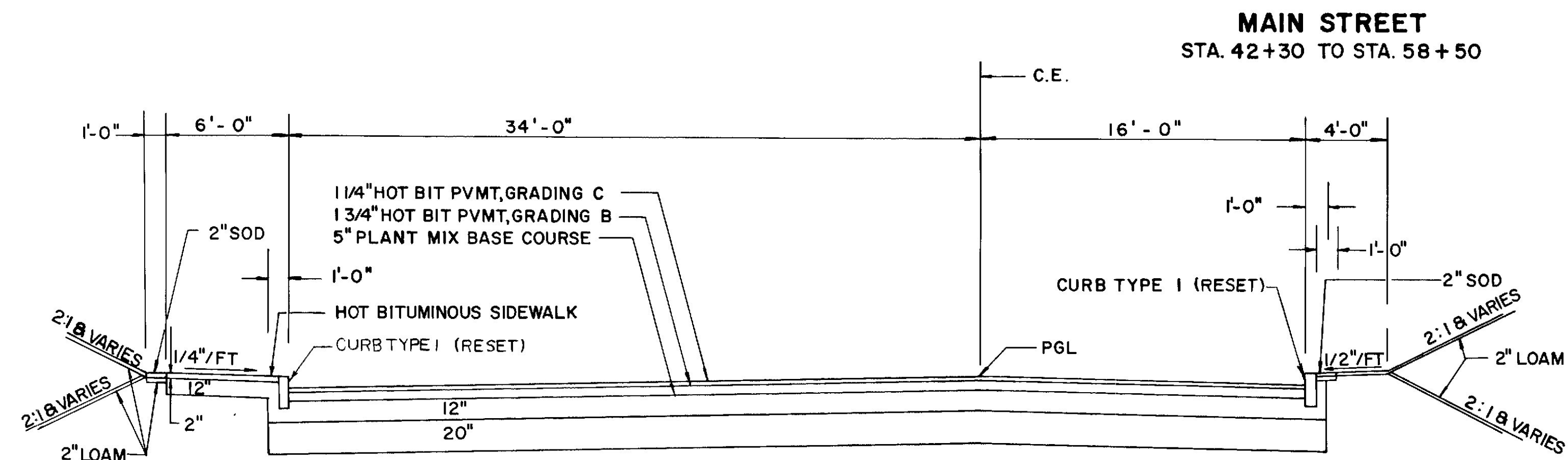
PROJECT DESIGN ENGINEER	BY	DATE
DESIGN - DETAILED		
CHECKED		
REVISIONS		
FIELD CHANGES		

PLANS

BRUNING 44-132 4570-1



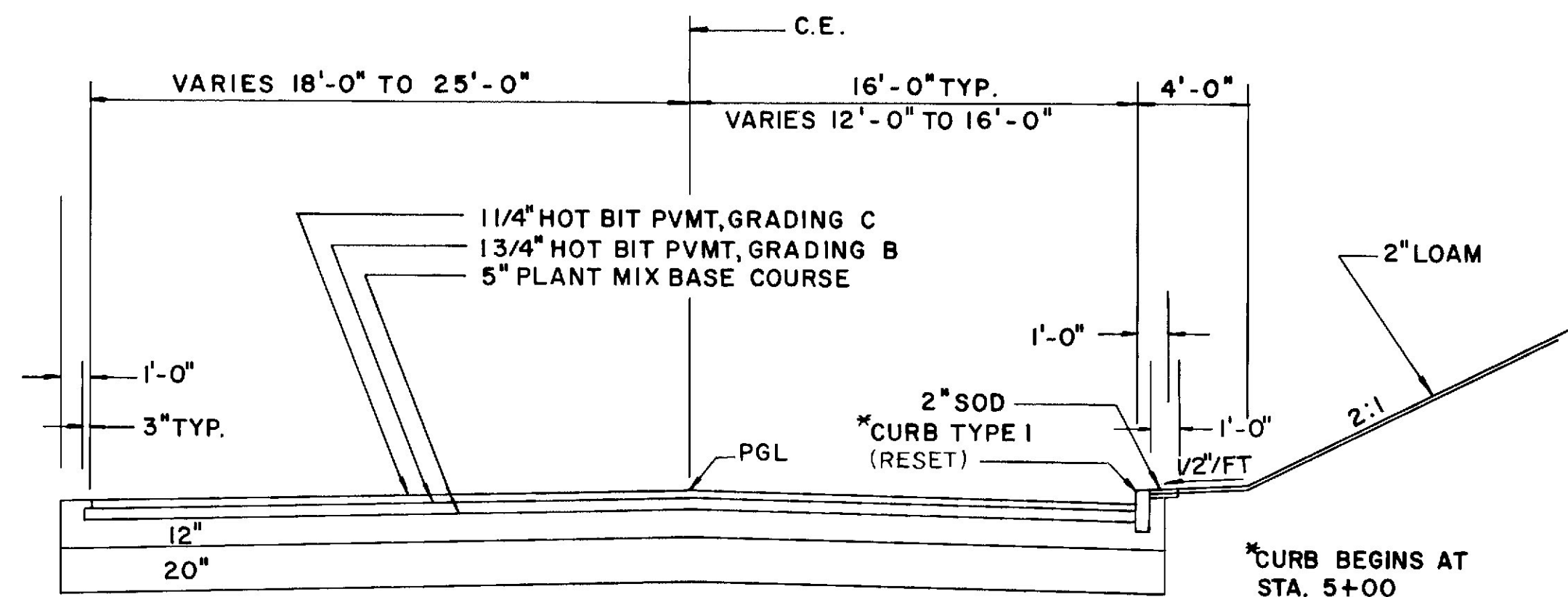
6 FT SIDEWALK	18 FT PAVEMENT	26'-0" PAVEMENT	30'-0" PAVEMENT	38'-0" PAVEMENT
12" AGGREGATE BASE COURSE, CRUSHED	20.68 CY/100LF	45+69.84 TO 47+70.63 RT	42+30 TO 44+81 LT	47+10.47 TO 52+80.00 LT
22" AGGREGATE SUBBASE COURSE, GRAVEL	6.83 CY/100LF	55+04.97 TO 58+20.00 RT	53+50 TO 58+41 LT	48+50.00 TO 53+21.38 RT
	122.22 CY/100LF			
		1" RAISED CONCRETE MEDIAN		
		45+99 TO 52+57 CL		



6 FT SIDEWALK	50 FT PAVEMENT
12" AGGREGATE BASE COURSE, CR.	24.41 CY/100LF
20" SELECTED GRANULAR MATERIAL	6.17 CY/100LF
	190.76 CY/100LF
	314.81 CY/100LF

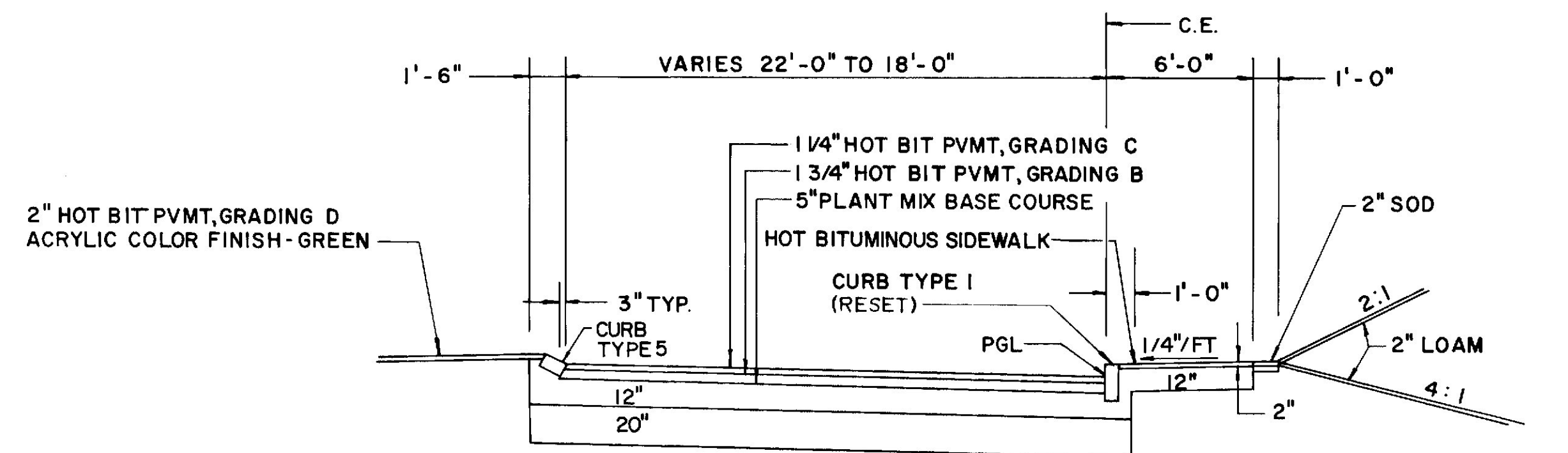
6 FT SIDEWALK
STA. 9+62 TO STA. 11+71.29

FARM ROAD
STA. 8+97.50 TO STA. 13+05



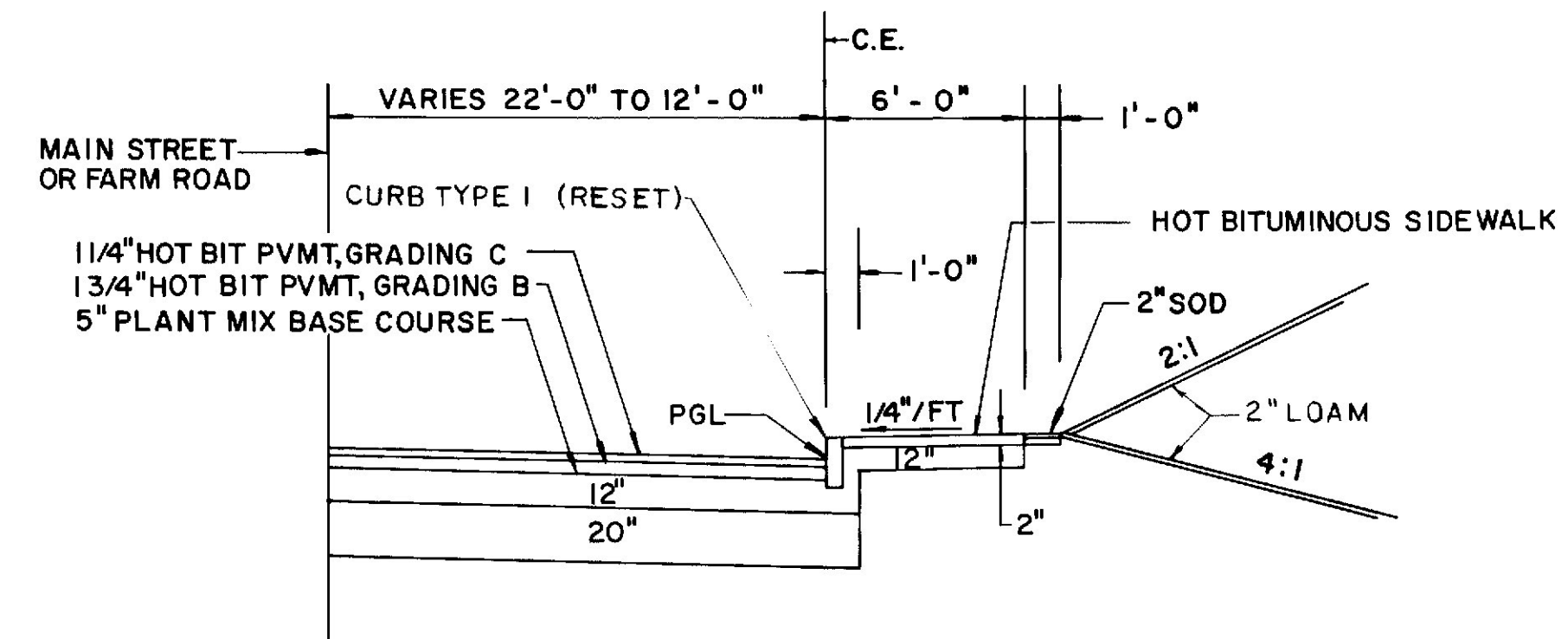
30 FT PAVEMENT	41 FT PAVEMENT
12" AGGREGATE BASE COURSE, CR.	122.69 CY/100 LF
20" SELECTED GRANULAR MATERIAL	197.53 CY/100 LF
	157.42 CY/100 LF
	259.26 CY/100 LF

FARM ROAD
STA. 4+00 TO STA. 8+97.50



18 FT PAVEMENT	22 FT PAVEMENT	6 FT SIDEWALK
12" AGGREGATE BASE COURSE, CR.	75.06 CY/100 LF	24.41 CY/100 LF
20" SELECTED GRANULAR MATERIAL	120.37 CY/100 LF	6.17 CY/100 LF
	89.87 CY/100 LF	
	145.06 CY/100 LF	

RAMP FR-3
STA. 0+63 TO STA. 1+54



12 FT PAVEMENT	22 FT PAVEMENT	6 FT SIDEWALK
12" AGGREGATE BASE COURSE, CR.	44.44 CY/100 LF	24.41 CY/100 LF
20" SELECTED GRANULAR MATERIAL	74.07 CY/100 LF	6.17 CY/100 LF
	81.48 CY/100 LF	
	135.80 CY/100 LF	

RAMP FR-3
STA. 0+00 TO STA. 0+63
STA. 1+54 TO STA. 2+03.37

- NOTES:
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
MAIN STREET
FARM ROAD
RAMP FR-3
(STA. 0+00 TO STA. 2+03.37)
TYPICALS AS CONSTRUCTED
P. DUNN FEB 1987

SHEET 6 OF 12 AUGUSTA, MAINE

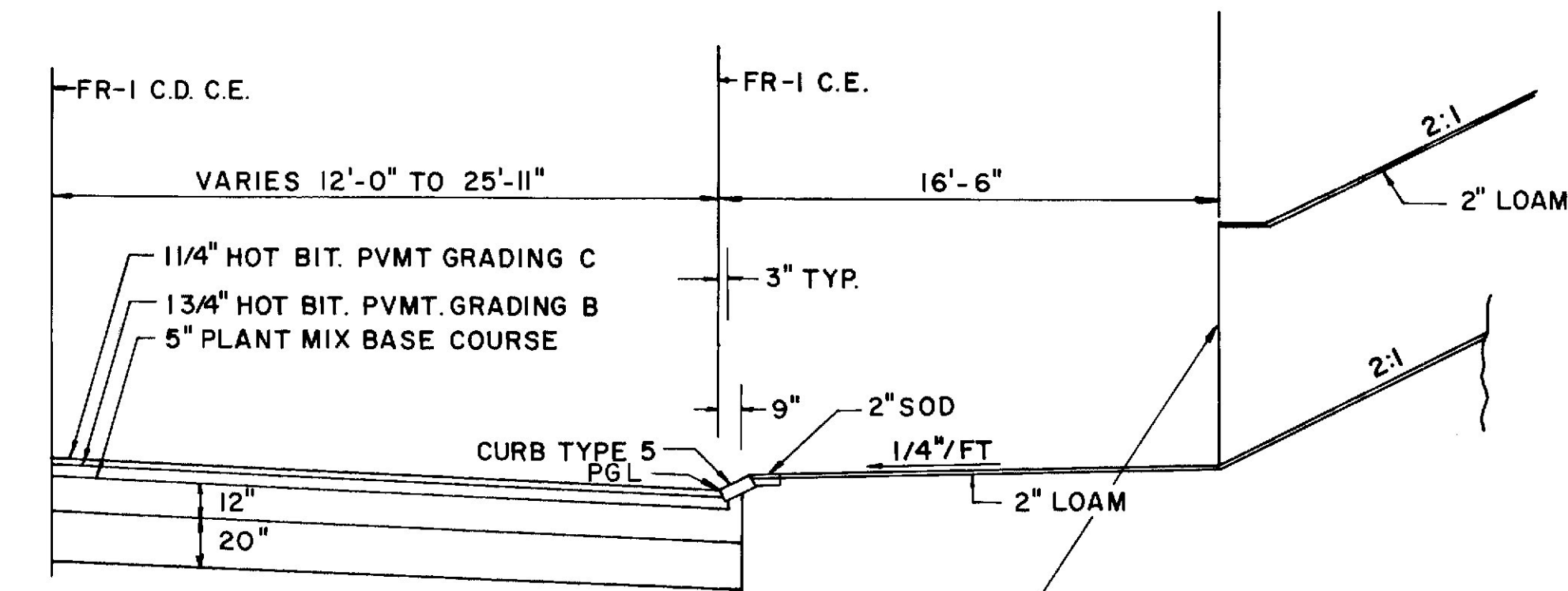
BANGOR

I-395

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

3" HOT BITUMINOUS PAVEMENT

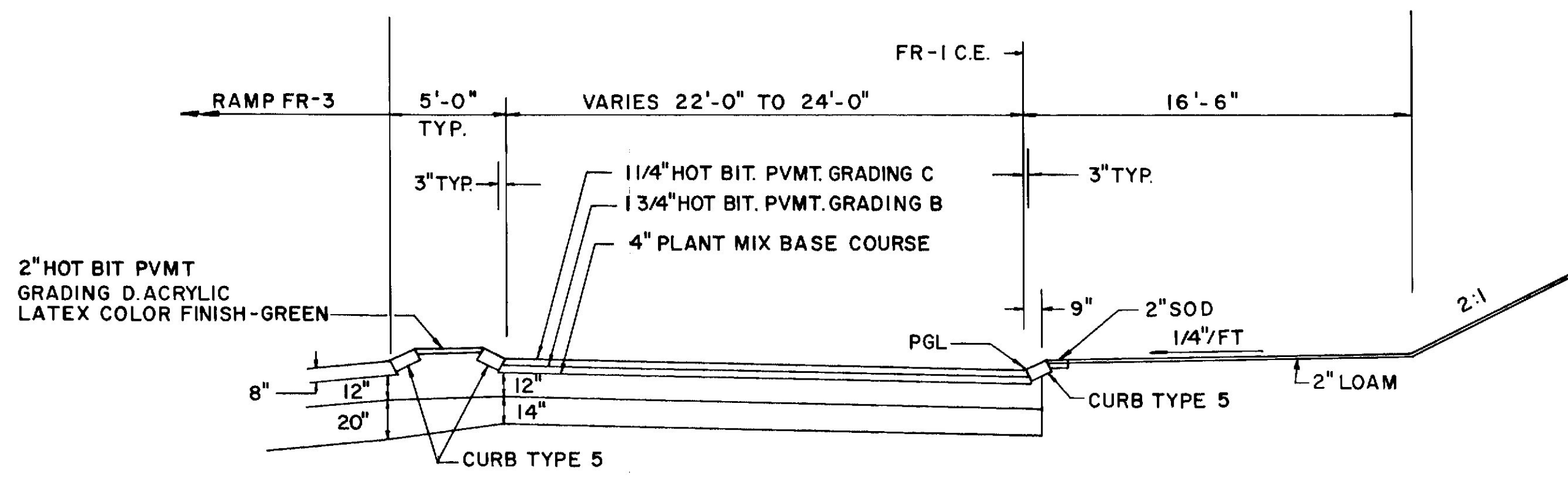
R.H.W.A. RES. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-8(80)	9	216



25'-11" PAVEMENT
12" AGGREGATE BASE COURSE, CR 99.52 CY/100 LF
20" SELECTED GRANULAR MATERIAL 164.75 CY/100 LF

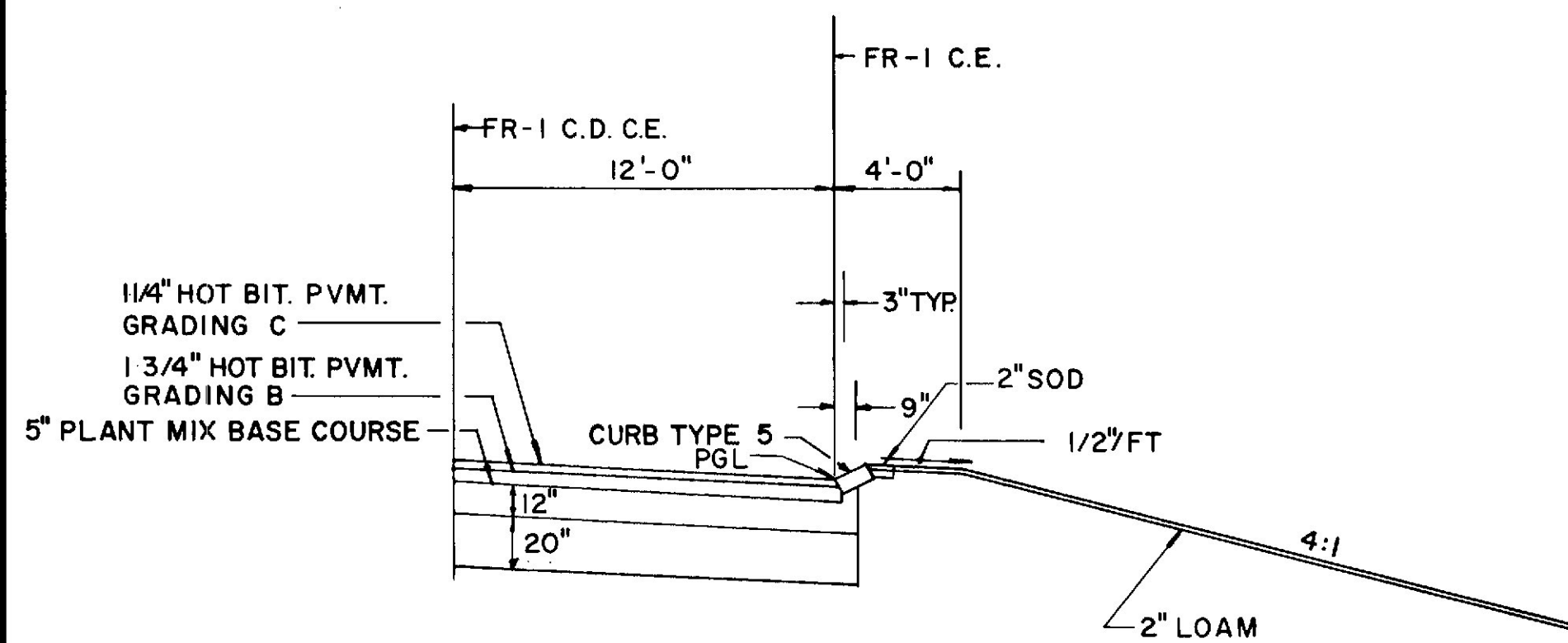
METAL BIN RETAINING WALL
STA. 5+72.00 TO STA. 7+35
SEE SPECIAL DETAIL SHEETS 36 & 37

RAMP FR-1
STA. 4+50 TO STA. 7+35



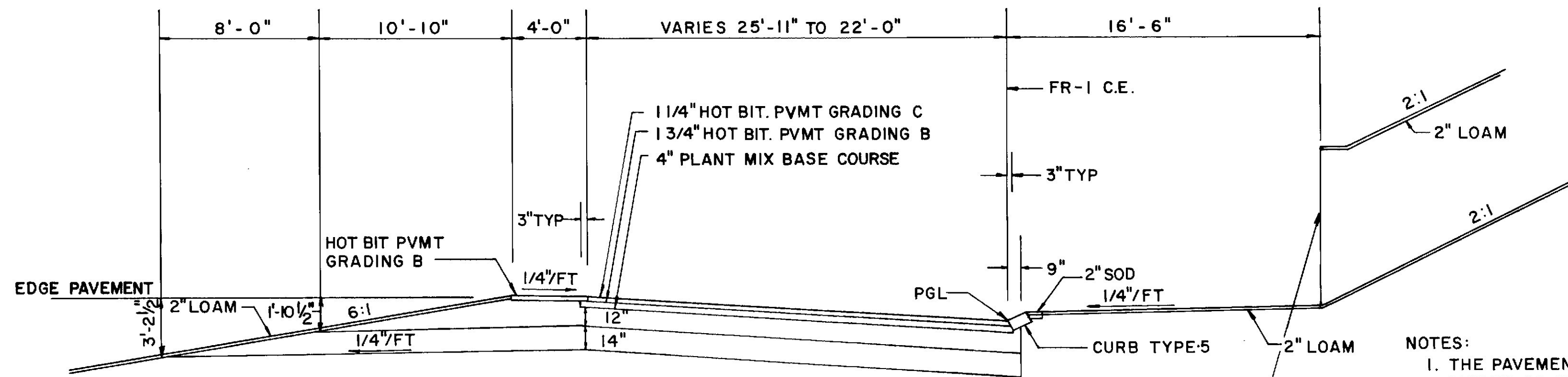
	22 FT PAVEMENT	24 FT PAVEMENT	5 FT MEDIAN
12" AGGREGATE BASE COURSE, CR	84.78 CY/100 LF	92.19 CY/100 LF	30.56 CY/100 LF
14" SELECTED GRANULAR MATERIAL	98.30 CY/100 LF	106.94 CY/100 LF	26.23 CY/100 LF

RAMP FR-1
STA. 9+74.85 TO STA. 11+00±



12 FT PAVEMENT
12" AGGREGATE BASE COURSE, CR 47.89 CY/100 LF
20" SELECTED GRANULAR MATERIAL 78.70 CY/100 LF

RAMP FR-1
STA. 3+00 TO STA. 4+50



	4 FT SHOULDER-HIGH SIDE	22 FT PAVEMENT	25'-11" PAVEMENT
12" AGGREGATE BASE COURSE, CR	52.51 CY/100 LF	84.78 CY/100 LF	99.37 CY/100 LF
14" SELECTED GRANULAR MATERIAL	81.48 CY/100 LF	98.30 CY/100 LF	115.33 CY/100 LF

RAMP FR-1
STA. 8+13 TO STA. 9+74.85

- NOTES:
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 2. FOR SUPERELEVATION DATA, REFER TO ROADWAY AND CURBING PLANS.

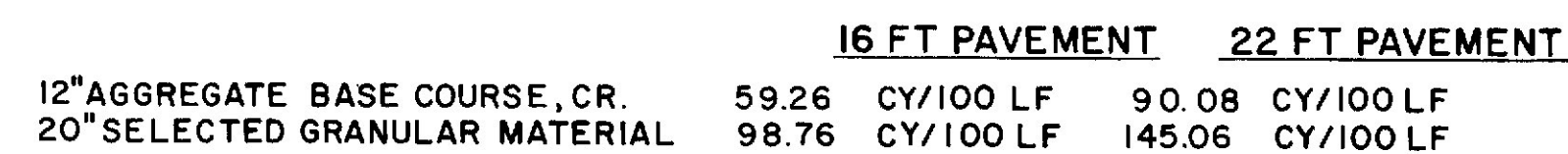
METAL BIN RETAINING WALL
STA. 7+35 TO STA. 9+07.32
SEE SPECIAL DETAIL SHEETS 36 & 37

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

RAMP FR-1
TYPICALS AS CONSTRUCTED
P DUNN FEB 1987

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



	<u>12 FT PAVEMENT</u>		<u>18 FT PAVEMENT</u>		<u>CURBED SHOULDER-FILL</u>	
12" AGGREGATE BASE COURSE, CR.	44.44	CY/100 LF	66.67	CY/100 LF	39.66	CY/100 LF
20" SELECTED GRANULAR MATERIAL	74.07	CY/100 LF	111.11	CY/100 LF	59.94	CY/100 LF

	<u>4 FT SHOULDER HIGH SIDE</u>	<u>18 FT PAVEMENT</u>	<u>CURBED SHOULDER-FILL</u>
12" AGGREGATE BASE COURSE, CR.	57.11 CY/100 LF	66.67 CY/100 LF	47.09 CY/100 LF
20" SELECTED GRANULAR MATERIAL	130.56 CY/100 LF	111.11 CY/100 LF	78.67 CY/100 LF

	18 FT PAVEMENT	22 FT PAVEMENT
12" AGGREGATE BASE COURSE, CR	75.26 CY/100 LF	90.08 CY/100 LF
20" SELECTED GRANULAR MATERIAL	120.37 CY/100 LF	145.06 CY/100 LF

	<u>13 FT PAVEMENT</u>	<u>23 FT PAVEMENT</u>
12" AGGREGATE BASE COURSE, CR.	56.75 CY/100 LF	93.79 CY/100 LF
20" SELECTED GRANULAR MATERIAL	89.51 CY/100 LF	151.23 CY/100 LF

			<u>16 FT PAVEMENT</u>
12" AGGREGATE BASE COURSE, CR.	67.85	CY/100LF	
20" SELECTED GRANULAR MATERIAL	108.02	CY/100LF	

NOTES:

1. THE PAVEMENT, BASE AND SUBBASE DEPTH AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.

GRADING D
COLOR FINISH - GREEN

2. FOR SUPERELEVATION DATA, REFER TO ROADWAY AND CURBING PLANS.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

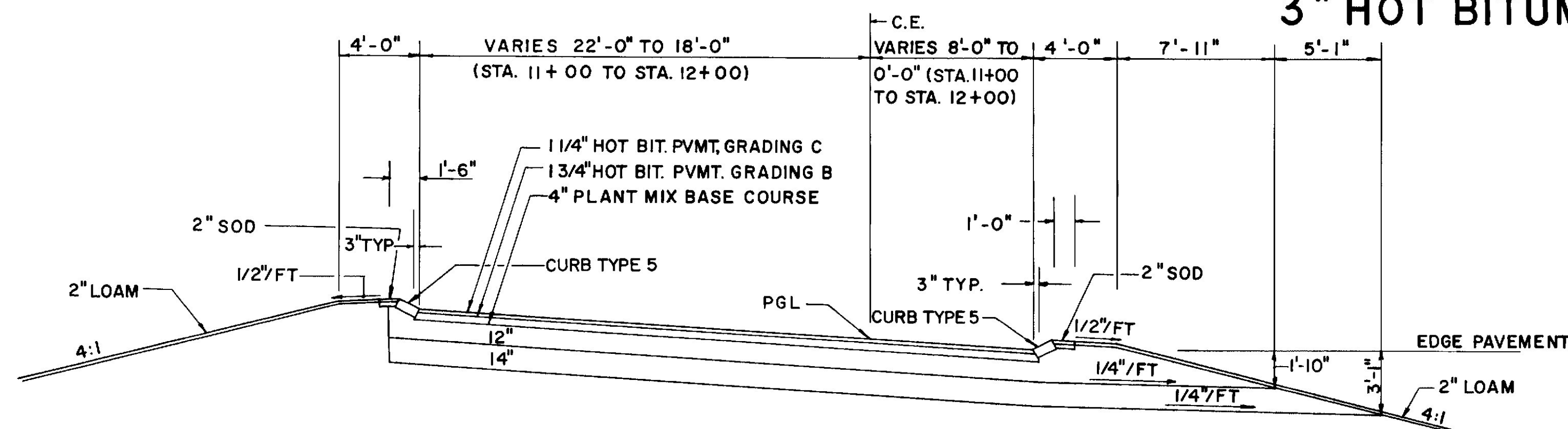
RAMP FR-3
TYPICALS AS CONSTRUCTED
PDUNN FEB 1987

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

LIBRARY AA.132 45710-1

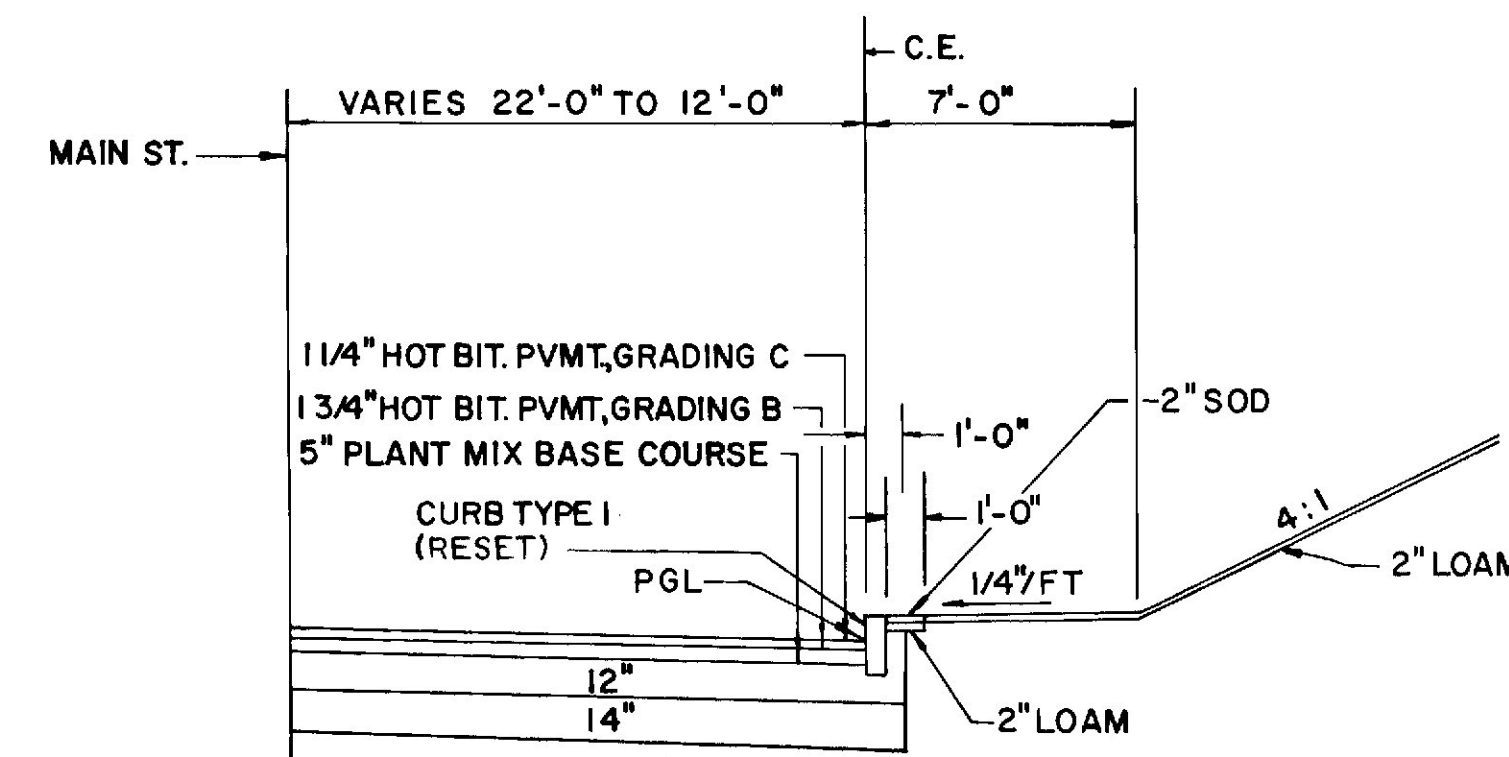
3" HOT BITUMINOUS PAVEMENT

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-8(88)	11	216



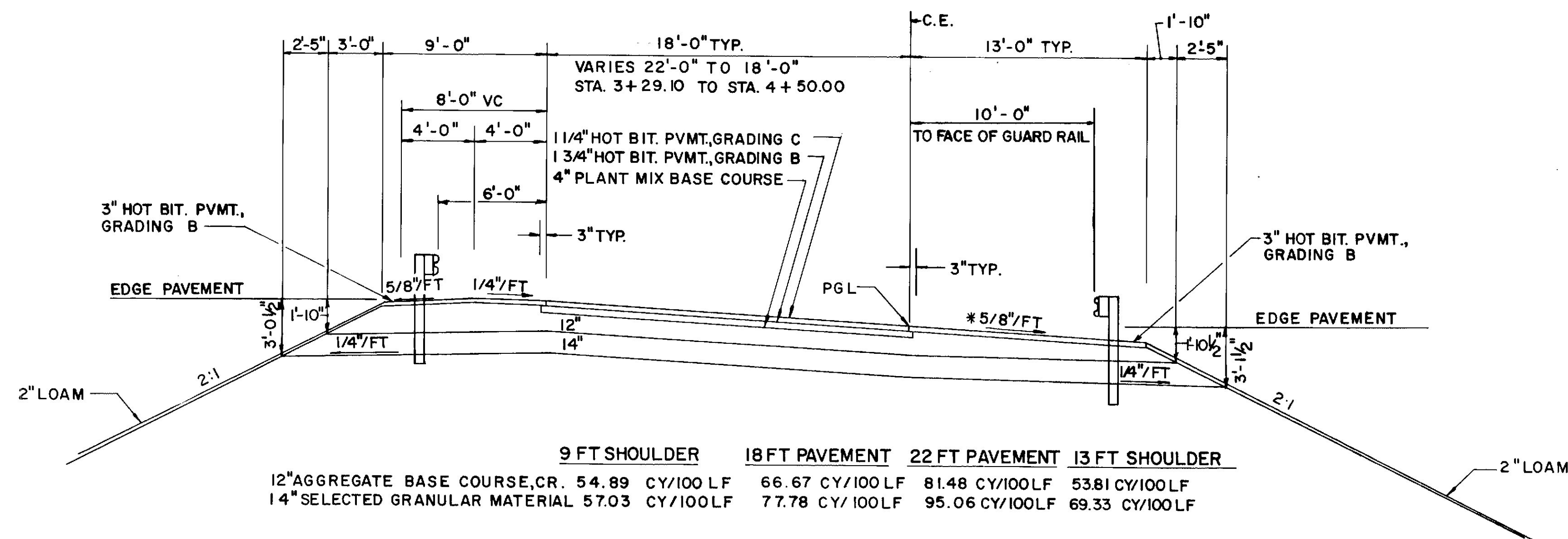
	18 FT PAVEMENT	30 FT PAVEMENT	CURBED SHOULDER-FILL
12" AGGREGATE BASE COURSE, CRUSHED	74.11 CY/100 LF	118.56 CY/100 LF	38.68 CY/100 LF
14" SELECTED GRANULAR MATERIAL	84.26 CY/100 LF	136.11 CY/100 LF	62.55 CY/100 LF

RAMP MS-1
STA. 11+00 TO STA. 12+25



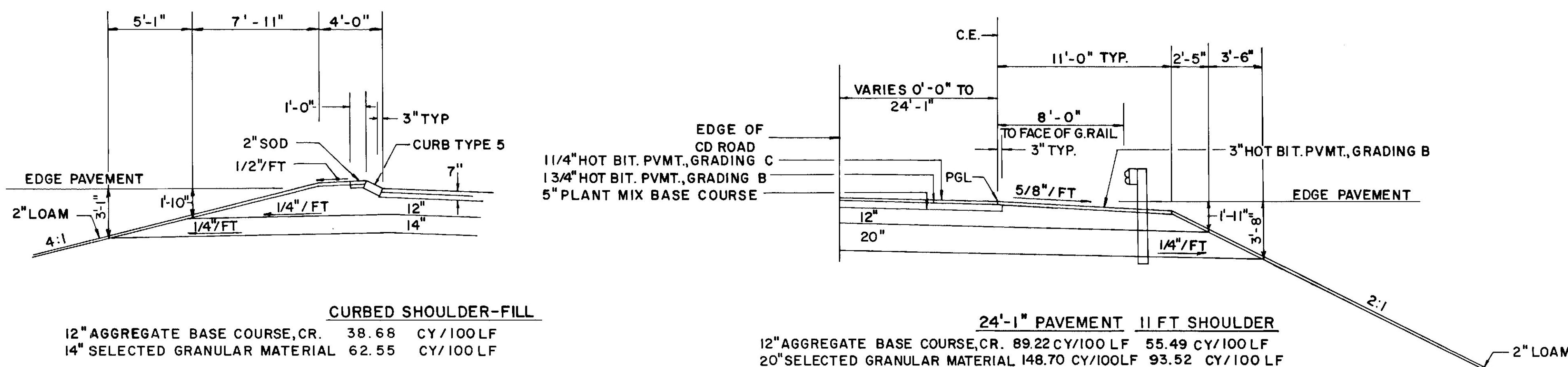
	12 FT PAVEMENT	22 FT PAVEMENT
12" AGGREGATE BASE COURSE, CR.	50.01 CY/100 LF	87.05 CY/100 LF
14" SELECTED GRANULAR MATERIAL	56.17 CY/100 LF	99.38 CY/100 LF

RAMP MS-1
STA. 12+25 TO STA. 13+46.98



	9 FT SHOULDER	18 FT PAVEMENT	22 FT PAVEMENT	13 FT SHOULDER
12" AGGREGATE BASE COURSE, CR.	54.89 CY/100 LF	66.67 CY/100 LF	81.48 CY/100 LF	53.81 CY/100 LF
14" SELECTED GRANULAR MATERIAL	57.03 CY/100 LF	77.78 CY/100 LF	95.06 CY/100 LF	69.33 CY/100 LF

RAMP MS-1
STA. 3+29.10 TO STA. 11+00



	CURBED SHOULDER-FILL
12" AGGREGATE BASE COURSE, CR.	38.68 CY/100 LF
14" SELECTED GRANULAR MATERIAL	62.55 CY/100 LF

RAMP MS-1
STA. 10+50 TO STA. 11+00

	24'-1" PAVEMENT	11 FT SHOULDER
12" AGGREGATE BASE COURSE, CR.	89.22 CY/100 LF	55.49 CY/100 LF
20" SELECTED GRANULAR MATERIAL	148.70 CY/100 LF	93.52 CY/100 LF

RAMP MS-1
STA. 0+00 TO STA. 3+29.10

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

RAMP MS-1

TYPICALS AS CONSTRUCTED
PDUNN FEB 1987

* USE PAVEMENT SLOPE WHEN
SUPERELEVATION EXCEEDS 5/8"/FT.

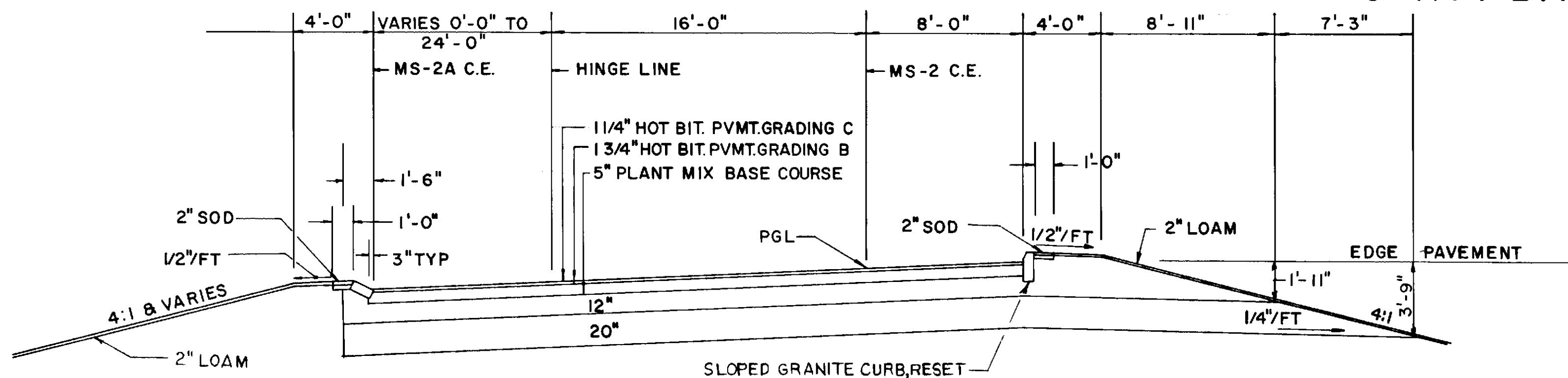
SHEET 9 OF 12 AUGUSTA, MAINE

BANGOR

I-395

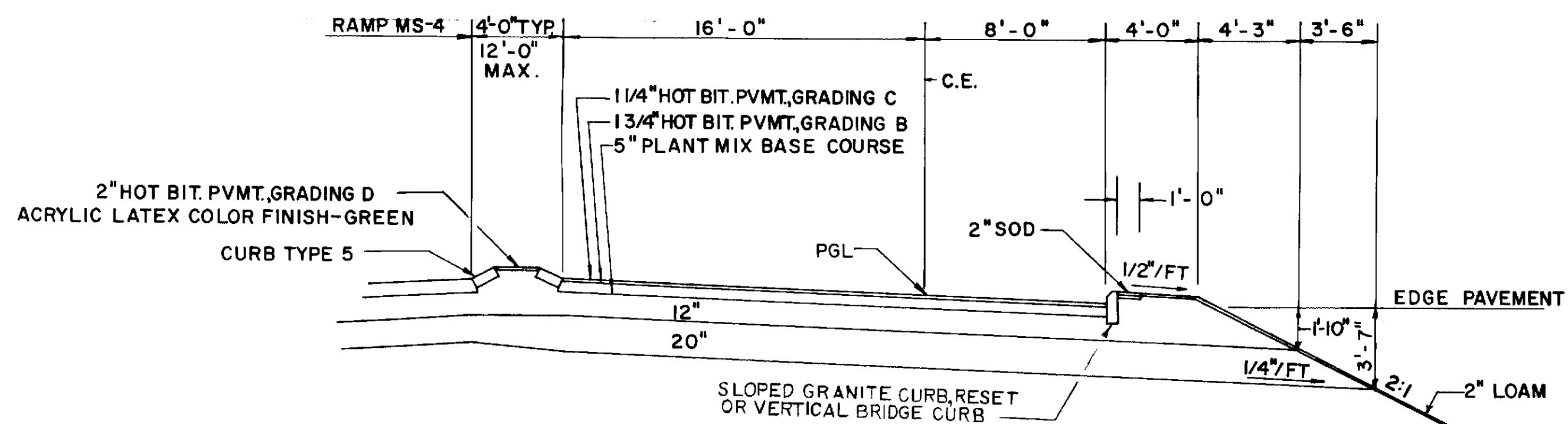
3" HOT BITUMINOUS PAVEMENT

F.H.W.A. REV. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-8(88)	12	216



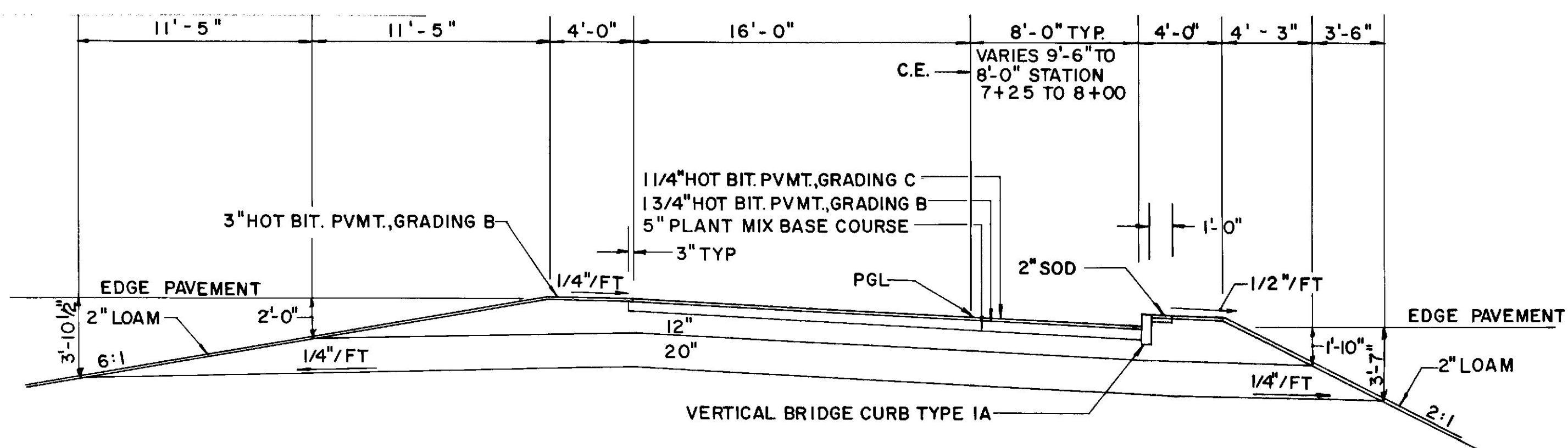
	CURBED SHOULDER CUT	24' PAVEMENT	CURBED SHOULDER 4:1
12" AGGREGATE BASE COURSE, CRUSHED	8.18 CY/100 LF	88.89 CY/100 LF	61.88 CY/100 LF
20" SELECTED GRANULAR MATERIAL	9.26 CY/100 LF	148.15 CY/100 LF	102.13 CY/100 LF

RAMP MS-2 STA. 12+75 TO STA. 14+10
RAMP MS-2A STA. 0+00 TO STA. 1+15



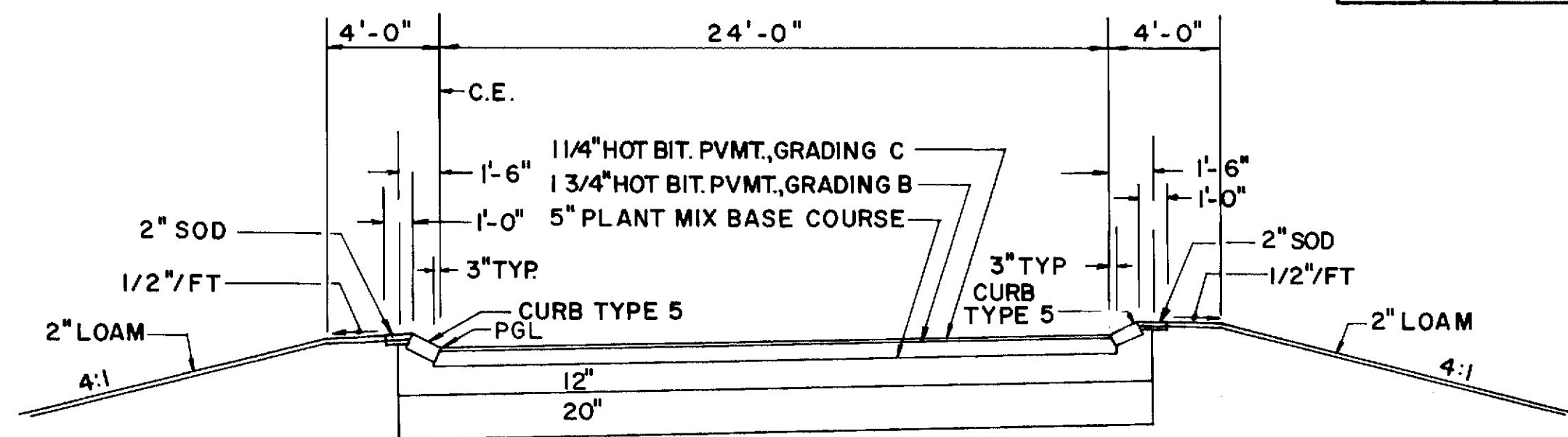
	4 FT MEDIAN	24 FT PAVEMENT	CURBED SHOULDER 2:1
12" AGGREGATE BASE COURSE, CR.	23.55 CY/100 LF	88.89 CY/100 LF	44.30 CY/100 LF
20" SELECTED GRANULAR MATERIAL	20.99 CY/100 LF	148.15 CY/100 LF	61.73 CY/100 LF

RAMP MS-2 STA. 10+00 TO STA. 12+75



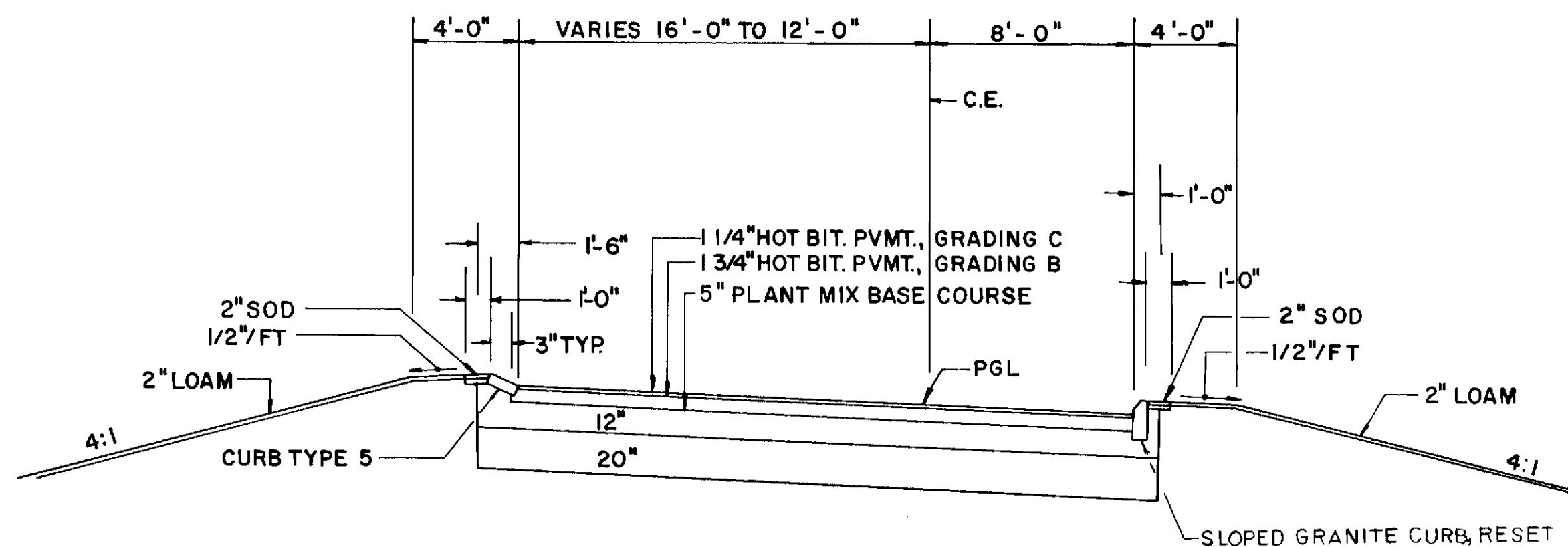
	4 FT SHOULDER HIGH SIDE	24 FT PAVEMENT	CURBED SHOULDER 2:1
12" AGGREGATE BASE COURSE, CR.	57.11 CY/100 LF	88.89 CY/100 LF	44.30 CY/100 LF
20" SELECTED GRANULAR MATERIAL	130.56 CY/100 LF	148.15 CY/100 LF	61.73 CY/100 LF

RAMP MS-2 STA. 6+98 TO STA. 10+00



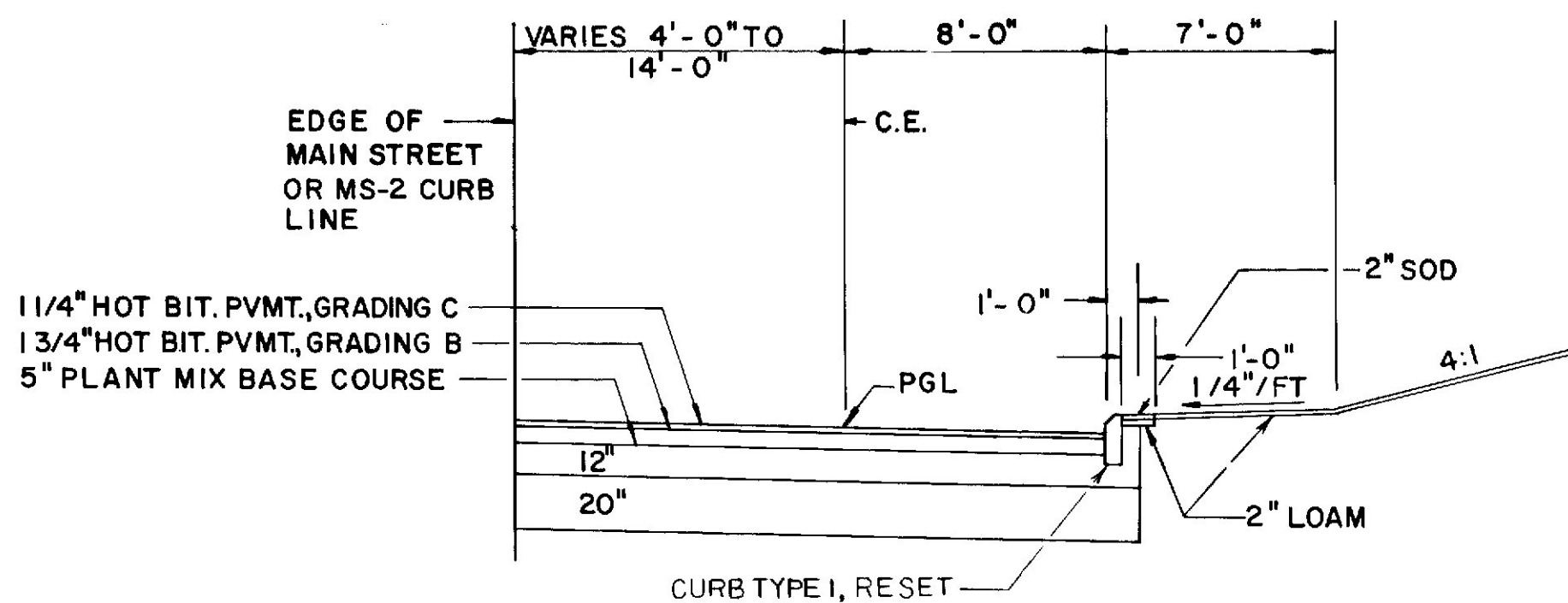
	24 FT PAVEMENT
12" AGGREGATE BASE COURSE, CR.	105.08 CY/100 LF
20" SELECTED GRANULAR MATERIAL	166.67 CY/100 LF

RAMP MS-2A STA. 1+15 TO STA. 2+67.57



	20 FT PAVEMENT	24 FT PAVEMENT
12" AGGREGATE BASE COURSE, CR.	87.65 CY/100 LF	102.47 CY/100 LF
20" SELECTED GRANULAR MATERIALS	138.89 CY/100 LF	163.58 CY/100 LF

RAMP MS-2 STA. 14+10 TO STA. 16+15



	12 FT PAVEMENT	18 FT PAVEMENT	22 FT PAVEMENT	24 FT PAVEMENT
AGGREGATE BASE COURSE, CR.	50.01 CY/100 LF	72.24 CY/100 LF	87.05 CY/100 LF	94.46 CY/100 LF
SELECTED GRANULAR MATERIAL	80.25 CY/100 LF	117.28 CY/100 LF	141.98 CY/100 LF	154.32 CY/100 LF

RAMP MS-2 STA. 16+15 TO STA. 17+06.67

- NOTES:
1. THE PAVEMENT, BASE AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
 2. FOR SUPERELEVATION DATA, REFER TO ROADWAY AND CURBING PLANS.

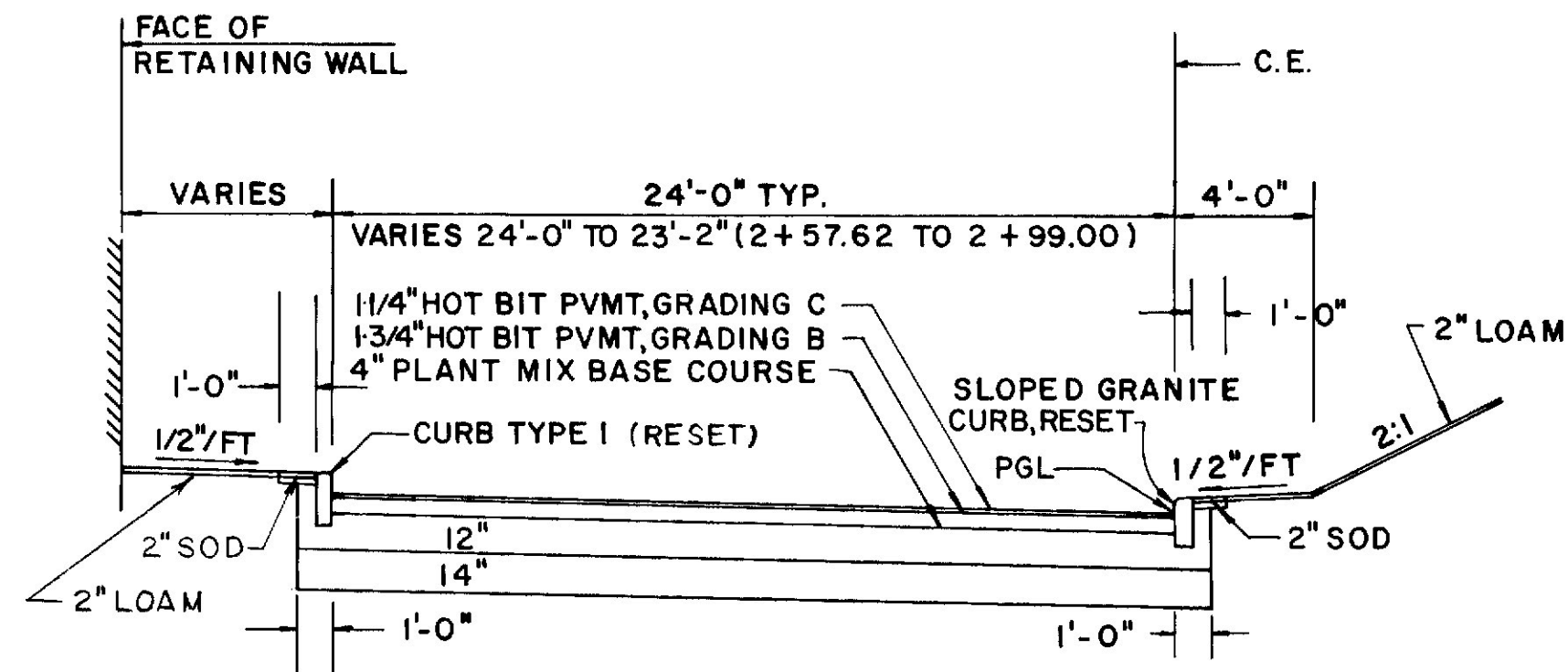
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
RAMPS MS-2
MS-2A

TYPICALS AS CONSTRUCTED
P DUNN FEB 1987

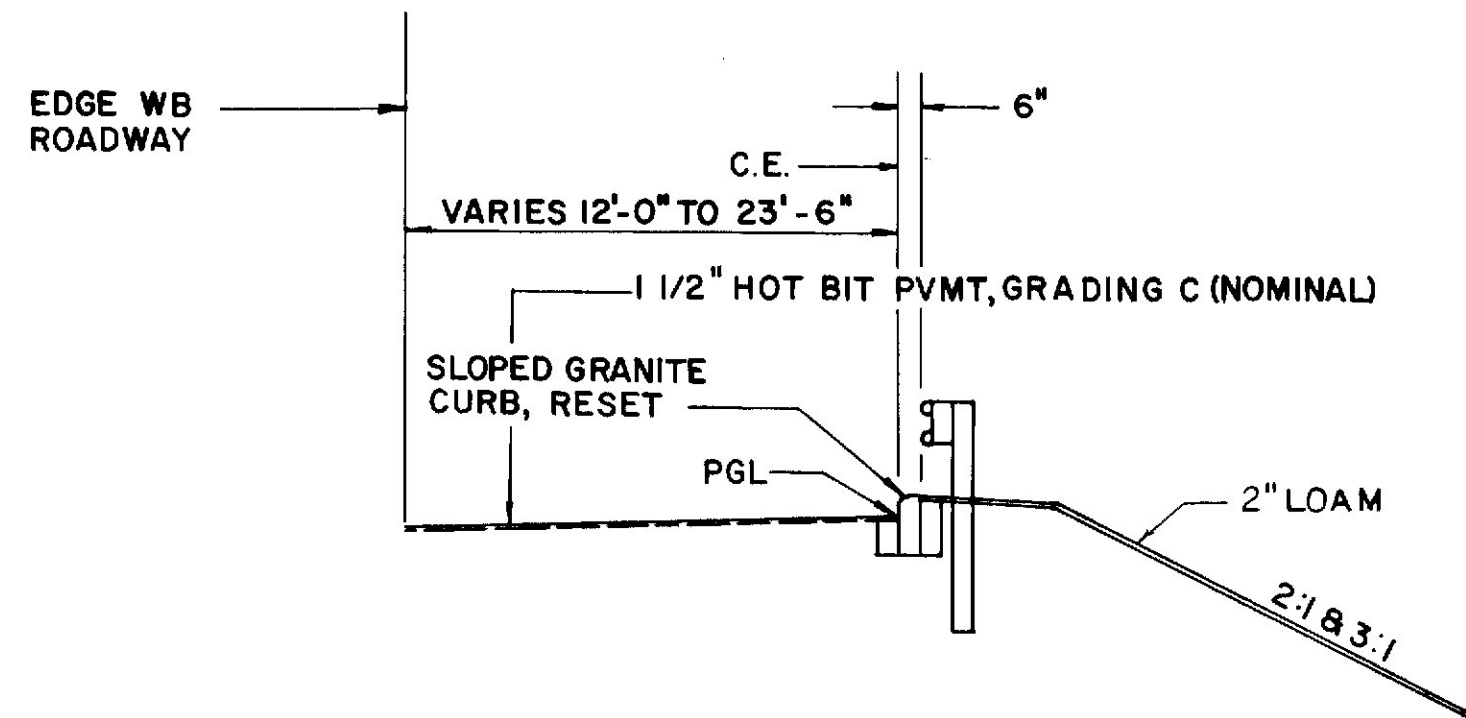
3" HOT BITUMINOUS PAVEMENT

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-8(88)	13	216

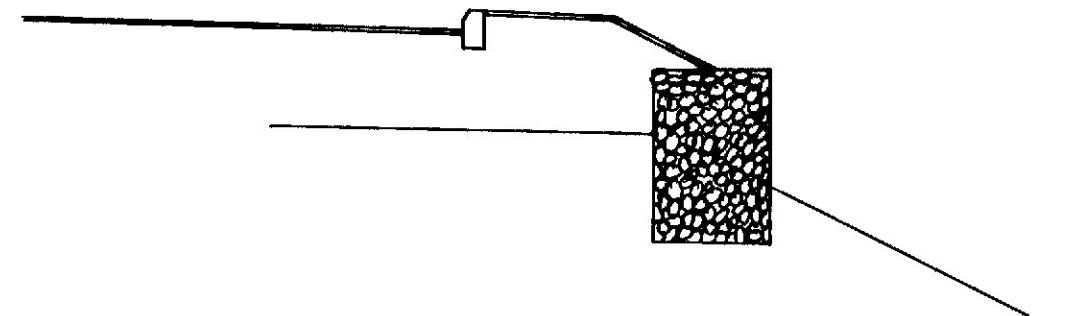


	23'-2" PAVEMENT	24 FT PAVEMENT
12" AGGREGATE BASE COURSE, CR	95.73 CY/100 LF	98.82 CY/100 LF
14" SELECTED GRANULAR MATERIAL	108.76 CY/100 LF	112.35 CY/100 LF

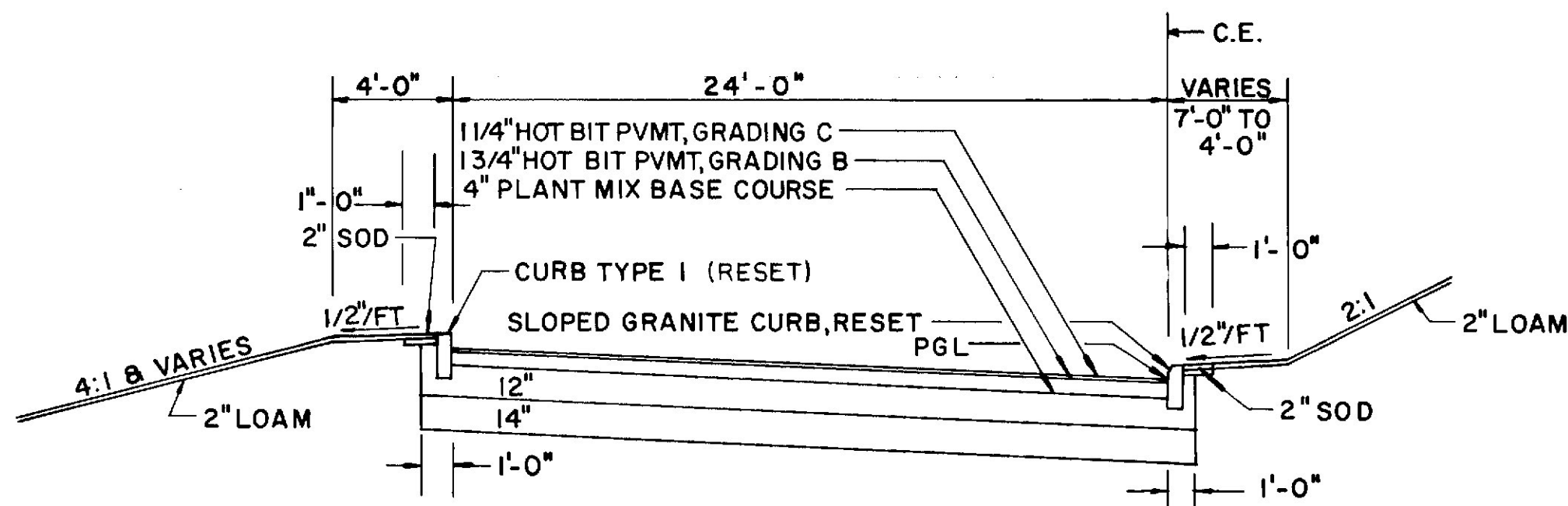
RAMP MS-3
STA. 1+75 TO STA. 2+99



RAMP MS-3
STA. 9+49.26 TO STA. 13+51.86

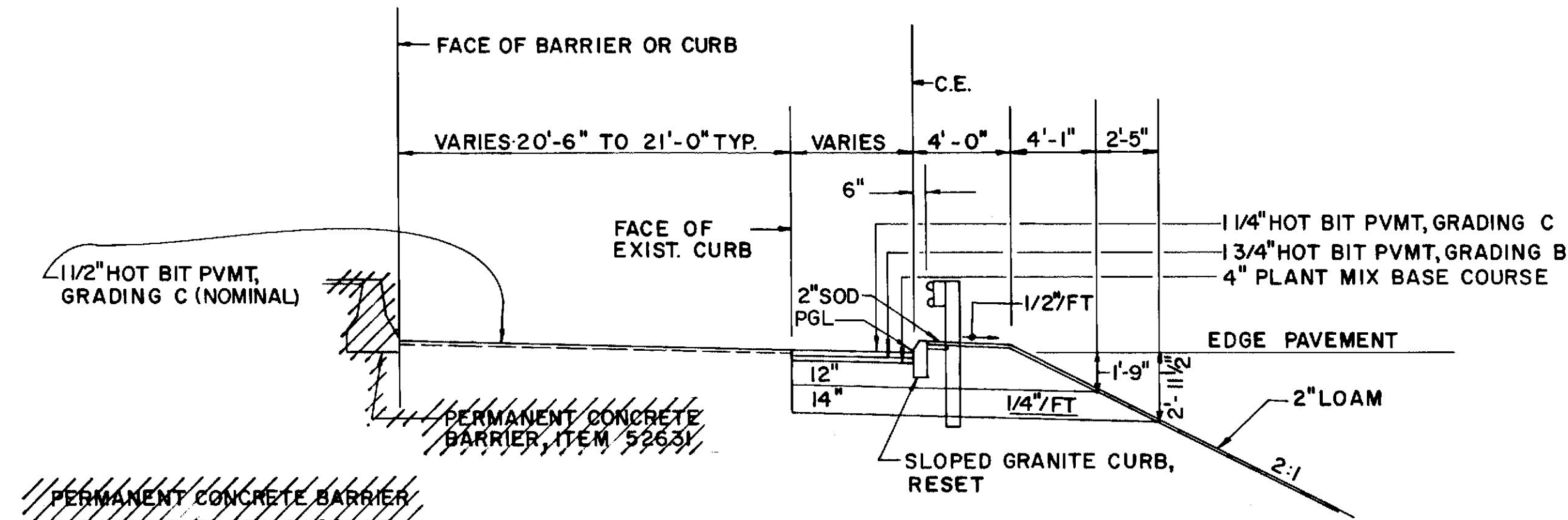


CURBED SHOULDER W/ GABION WALL
STA. 4+48 TO STA. 7+96
SEE SPECIAL DETAILS

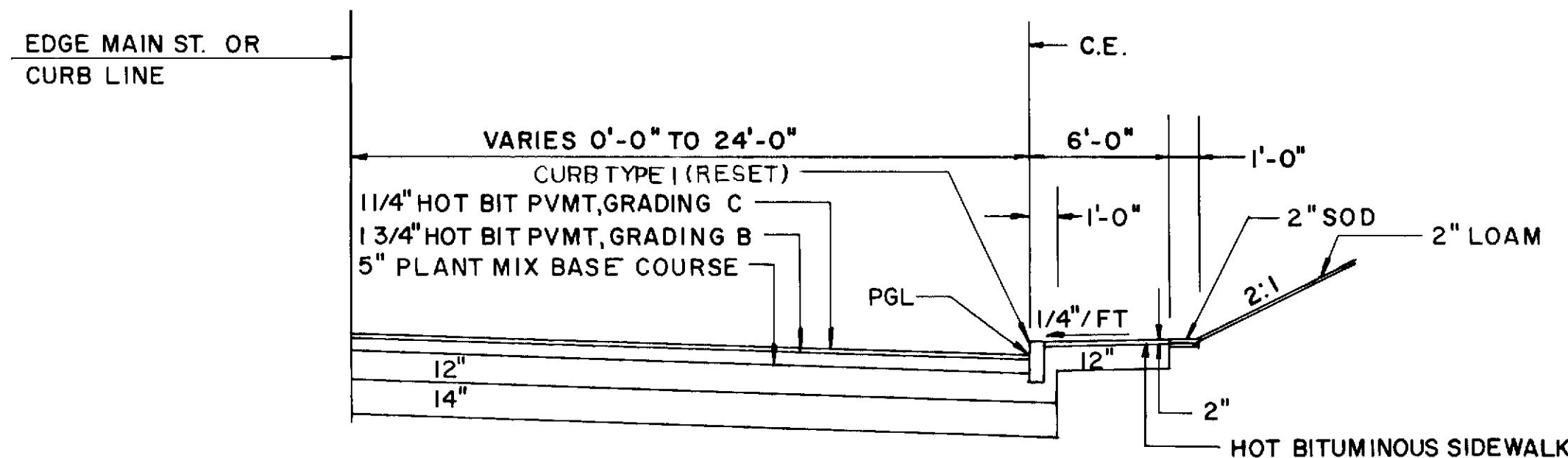


	24 FT PAVEMENT
12" AGGREGATE BASE COURSE, CR	98.82 CY/100 LF
14" SELECTED GRANULAR MATERIAL	112.35 CY/100 LF

RAMP MS-3
STA. 1+00 TO STA. 1+75

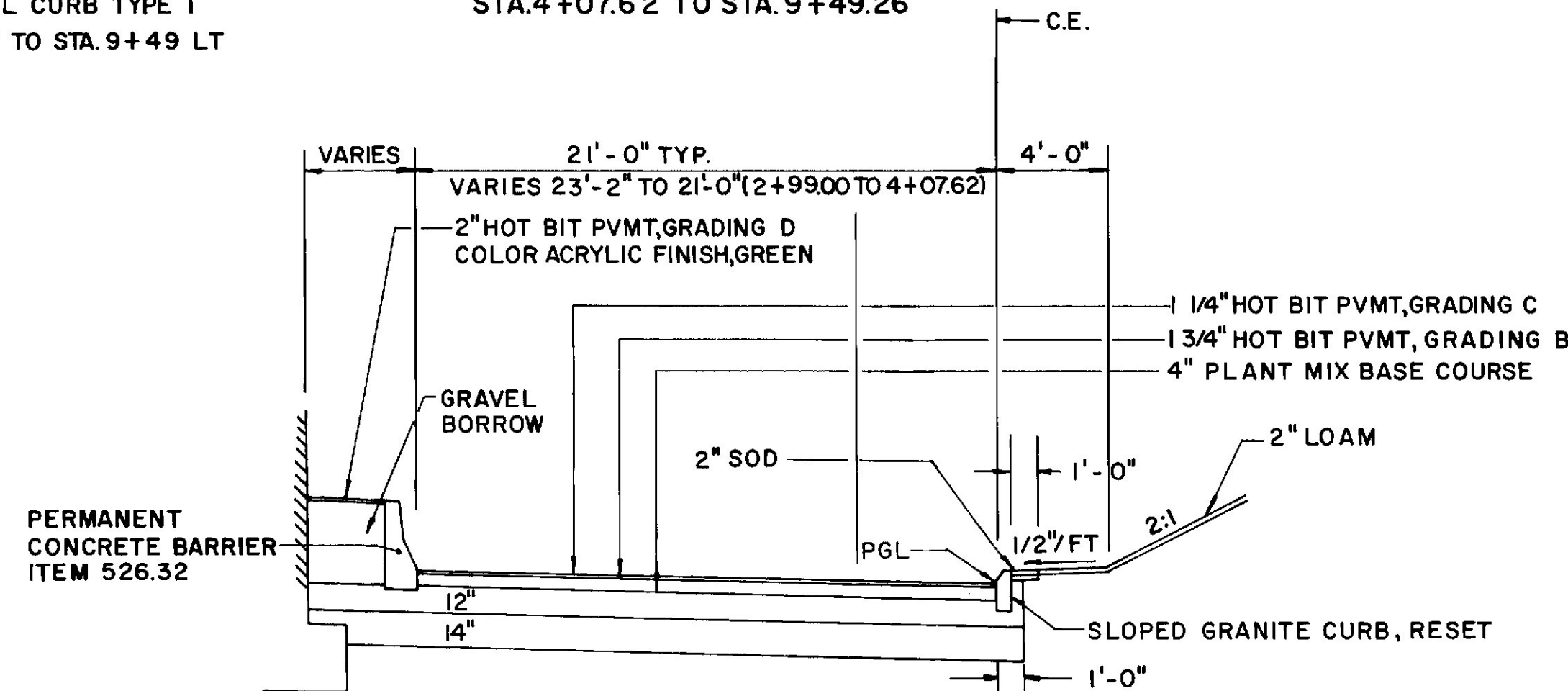


RAMP MS-3
STA. 4+07.62 TO STA. 9+49.26



	24 FT PAVEMENT	6 FT SIDEWALK
12" AGGREGATE BASE COURSE, CR	88.89 CY/100 LF	24.41 CY/100 LF
14" SELECTED GRANULAR MATERIAL	103.70 CY/100 LF	4.32 CY/100 LF

RAMP MS-3
STA. 0+00 TO STA. 1+00



	21 FT PAVEMENT	23'-2" PAVEMENT
12" AGGREGATE BASE COURSE, CR	82.68 CY/100 LF	90.70 CY/100 LF
14" SELECTED GRANULAR MATERIAL	95.06 CY/100 LF	104.44 CY/100 LF

RAMP MS-3
STA. 2+99 TO STA. 4+07.62

- NOTES:
1. THE PAVEMENT, BASE AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
 2. FOR SUPERELEVATION DATA, REFER TO ROADWAY AND CURBING PLANS.

Revised Sheet Addendum No. 1

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

RAMP MS-3
TYPICALS AS CONSTRUCTED
P. DUNN FEB 1987

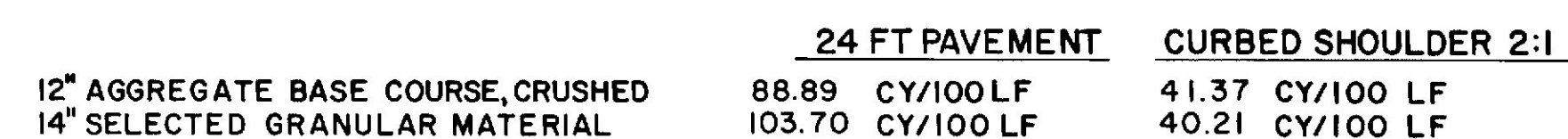
SHEET 11 OF 12 AUGUSTA, MAINE

BANGOR

I-395

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

BROWNING 44-132 45710-1



4'-0" 16'-0" 8'-0" 4'-0"

C.E.

11/4" HOT BIT PVMT, GRADING C
1 3/4" HOT BIT PVMT, GRADING B
4" PLANT MIX BASE COURSE

2" SOD 1'-0" 3" TYP CURB TYPE 5 1/2" /FT 1'-0" 2" SOD 2'-1 4:1 2" LOAM 4:1

SLOPED GRANITE CURB, RESET PGL 1/2" /FT * 2'-1 4:1

4'-1 & VARIES 2" LOAM 1'-6" 1'-0"

12" 14"

* USE + 1/2" /FT IN CUT SECTION

24 FT PAVEMENT

12" AGGREGATE BASE COURSE, CR.	101.80	CY/100 LF
14" SELECTED GRANULAR MATERIAL	114.51	CY/100 LF

EDGE OF MAIN STOR CURB LINE

VARIES 4'-0" TO 8'-0" TO 16'-0"

C.E.

8'-0"

7'-0"

1 1/4" HOT BIT PVMT, GRADING C

1 3/4" HOT BIT PVMT, GRADING B

5" PLANT MIX BASE COURSE

SLOPED GRANITE CURB, RESET

PGL

1'-0"

2" SOD

4:1

2" LOAM

12"

14"

1/4" FT

2" LOAM

1'-0"

[illegible]

NOTES:

1. THE PAVEMENT, BASE AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. FOR SUPERELEVATION DATA, REFER TO ROADWAY AND CURBING PLANS.

TYPICAL SECTIONS

RAMP MS-4
TYPICALS AS CONSTRUCTED
P DUNN FEB 1987

RUNING 44-132 45710-1

DRAINAGE CONT'D.

F. H. W. A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-8(88)	16	216

STATION	RCP			BCCMP		CMP			CATCH BASINS								MAN HOLE	UNDERDRAINS				REMARKS		
	SIZE	LENGTH	CLASS	SIZE	LENGTH	SIZE	LENGTH	GA	A1	A1-C	A5	A6	B1	B1-C	B2	F6		B		C			B OUTLET	
																		LENGTH	SIZE	LENGTH	LENGTH			
I-395																								
145+70 R	30"	16'	III																				REPL EXIST. CMP	
145+70 MED													1 1/2											
145+72 TO 147+66																			18"	193.2'				
147+68 MED													1 1/4											
147+70 TO 149+48 MED																			18"	178'				
149+50 MED													1 1/2											
148+22 R TO 149+22 R																		100'						
149+24 D													1 1/2											
151+05 LT																							Adj. grade to grade	
149+52 TO 152+48																			18"	296'			Rebuild man hole box RT EASTBOUND	
150+52 RT																		1						
152+50 TO 152+50 R	18"	37.7'	III										1 1/2											
152+50 EB RT																								
152+50 R TO 152+50 MALL	18"	6'	III										1 1/2											
149+48 R TO 152+48 R																			300'					
152+50 MALL													1 1/2											
152+50 MALL TO 8+28 L FR-3	18"	63'	III										1 1/2											
152+50 MED																								
152+50 WB LT													1											
152+50 L TO 152+50	12"	43'	III																					
157+30 TO 155+70 WB LT																			12"	155.9'				
152+69 TO 155+56 WB LT																			287'					
153+98 TO 155+66 MED																			168"					
155+58 WB LT													1 1/2											
155+58 L TO 155+68 L	12"	6.3'	III																					
157+24 WB LT													1 1/4											
157+00 M TO 155+70 M																			130'					
152+36 R TO 155+56 R																			300'					
155+58 RT																								
155+58 R TO 155+68 R	12"	6'	III																					
156+25 EB RT																		3					REMOVE EXIST. MH AND CONSTRUCT NEW 5' DIAM.	
157+30 M TO 157+36 R	12"	358'	III																					
157+30 M																								
157+36 R													1 1/2											
													1 1/4											
157+37 MALL TO 157+36 R	12"	7.2'	III																					
157+37 MALL																								
157+37 TO 155+70 EB RT																			12"	164'				
155+68 CD Rd LT													1 1/2											
155+68 L TO 155+68 M	12"	46'	III																					
155+68 M TO 155+68 R	12"	35'	III																					
155+68 R TO 155+68 MALL	12"	6'	III																					
155+68 MALL TO 155+68 *	12"	64'	III																				* TOE OF SLOPE	
159+10 CD Rd LT																								
157+106 MALL TO 159+09.5 R	12"	7.5'	III																					
159+09 R																								
157+09.5 R TO 159+04 M	12"	36'	III																					
159+04 M																								

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DRAINAGE SUMMARY

REVISED AS BUILT
Philip D. 2-25-87

SHEET 1 OF 2 AUGUSTA, MAINE

BANGOR

I-395

I-395-8(88)176

3BRUNING 44-132 35926

DRAINAGE CONT'D.

F. H. W. A REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-8(88)	17	216

10-11-12

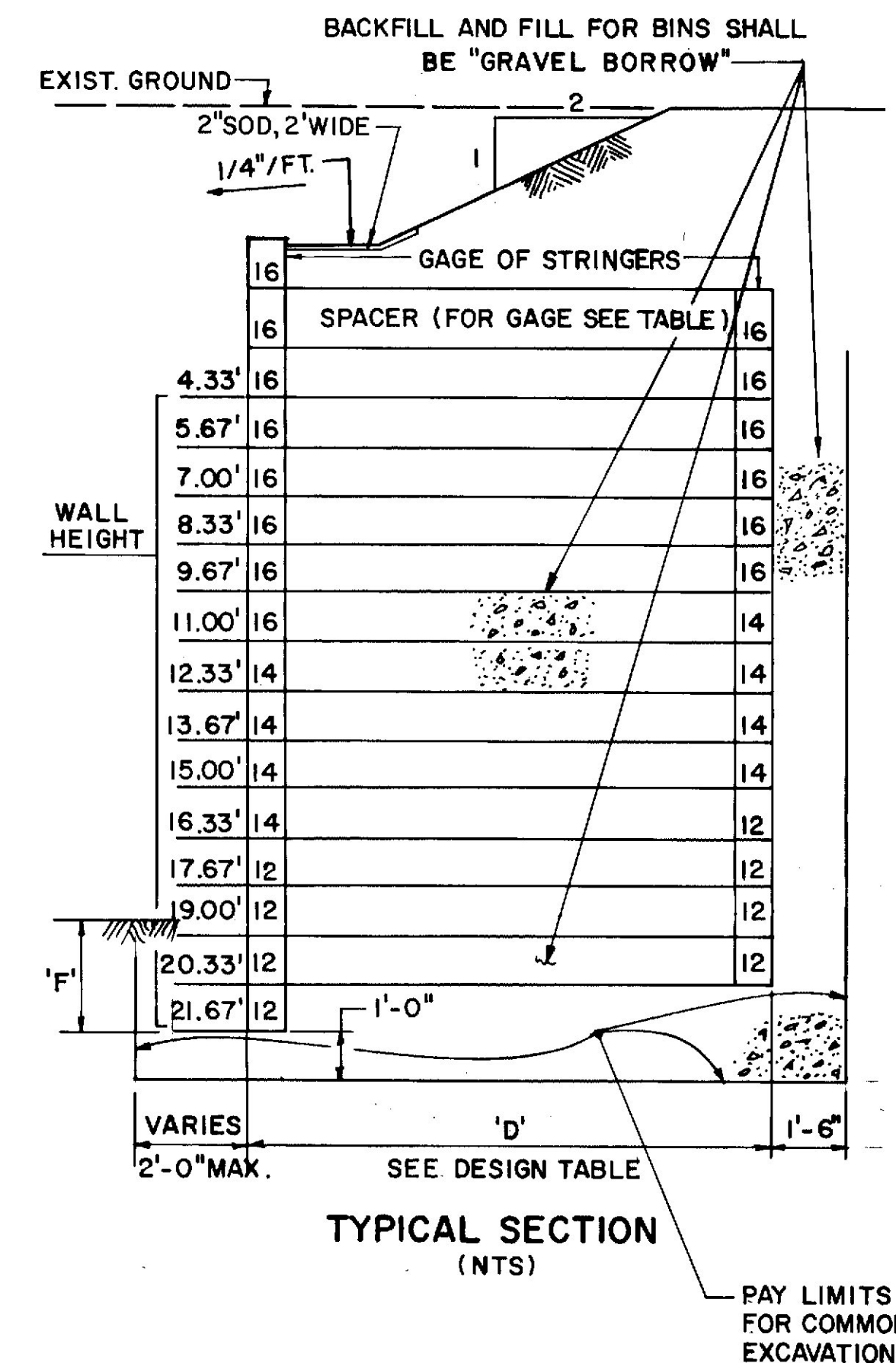
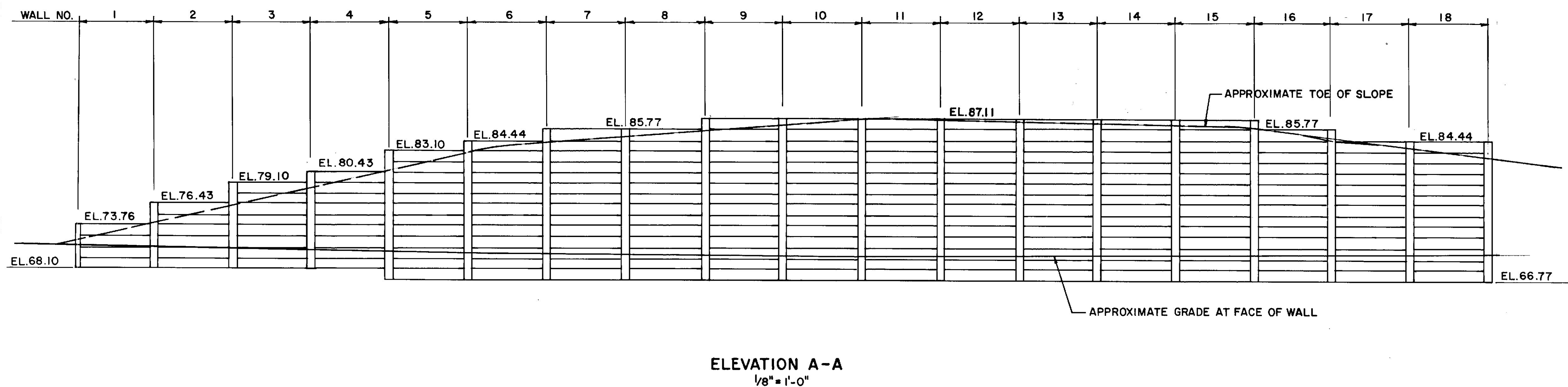
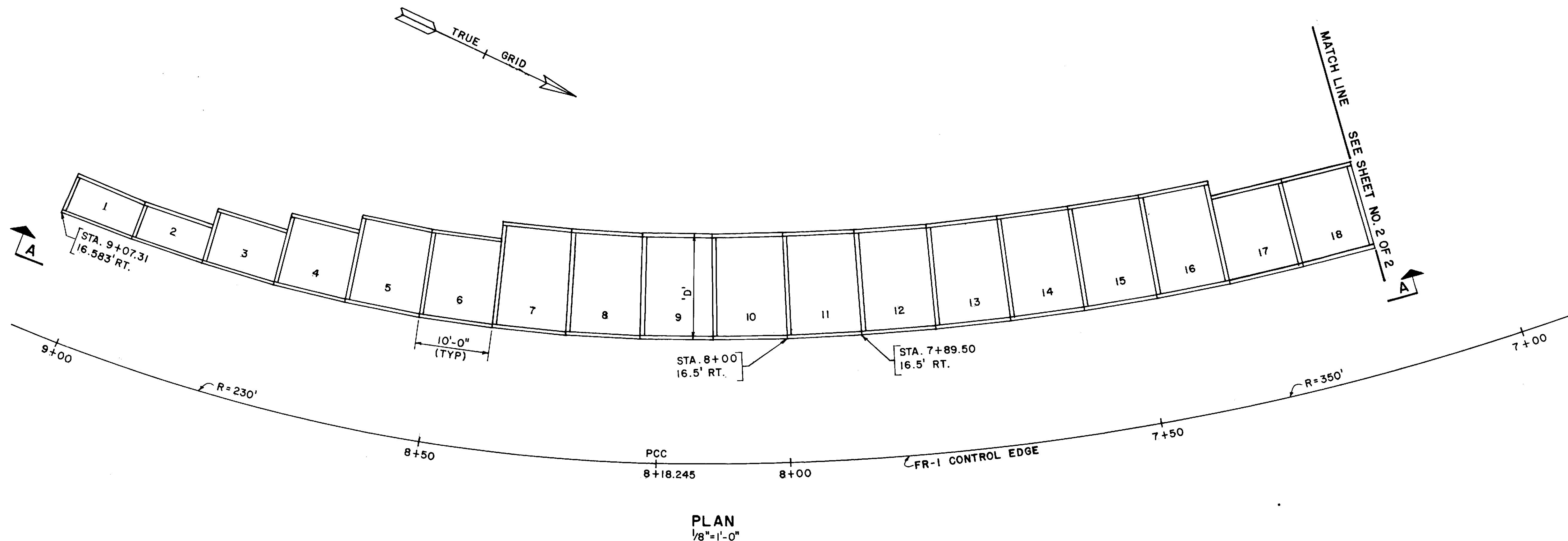
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DRAINAGE SUMMARY

REVISED AS BUILT
Dispay 2-26-81

F.H.W.A. RES. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-8(88)	36	216



NOTE:
PREPARATION OF FOUNDATION MATERIAL GRADATION AND CONSTRUCTION OF THE EMBANKMENT SHALL BE AS DESCRIBED UNDER SUBSECTION 203.09 THRU 203.11 OF THE STANDARD SPECIFICATIONS.

METAL BIN WALL REPLACED BY
RETAINED EARTH WALL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

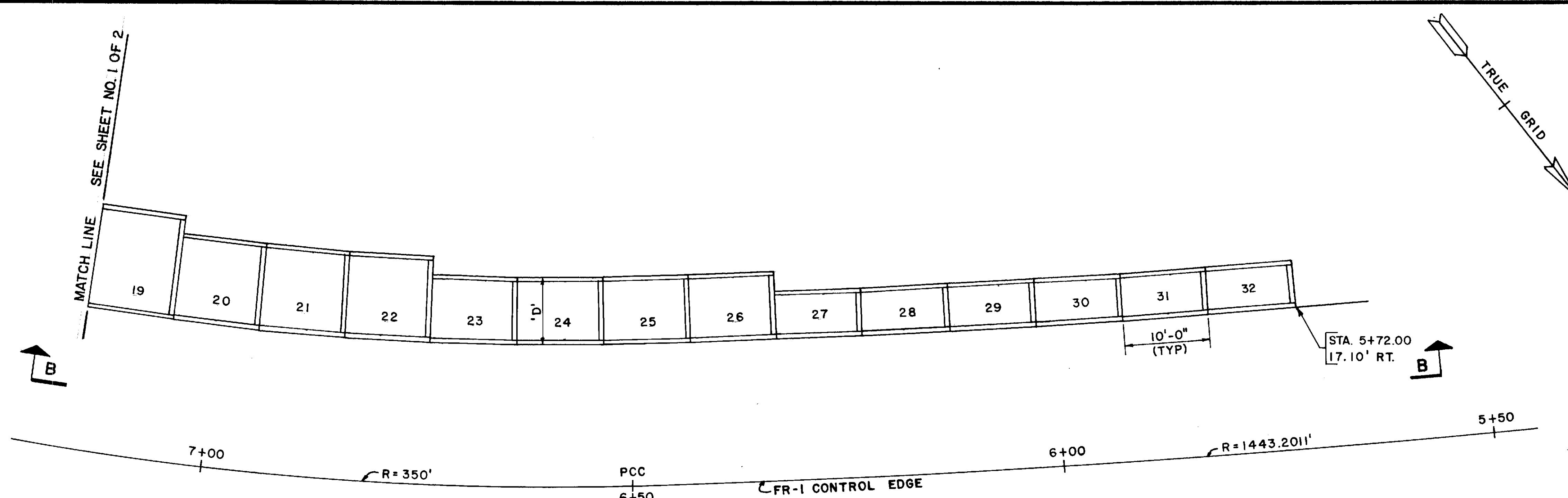
SPECIAL DETAIL
METAL BIN WALL
AT RAMP FR-1

SHEET 1 OF 2 AUGUSTA, MAINE

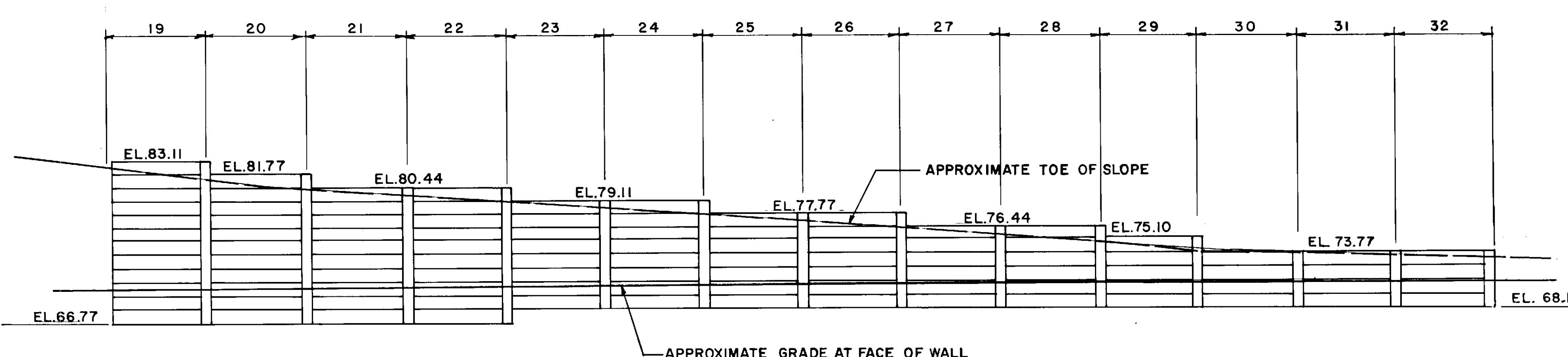
BANGOR I-395

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

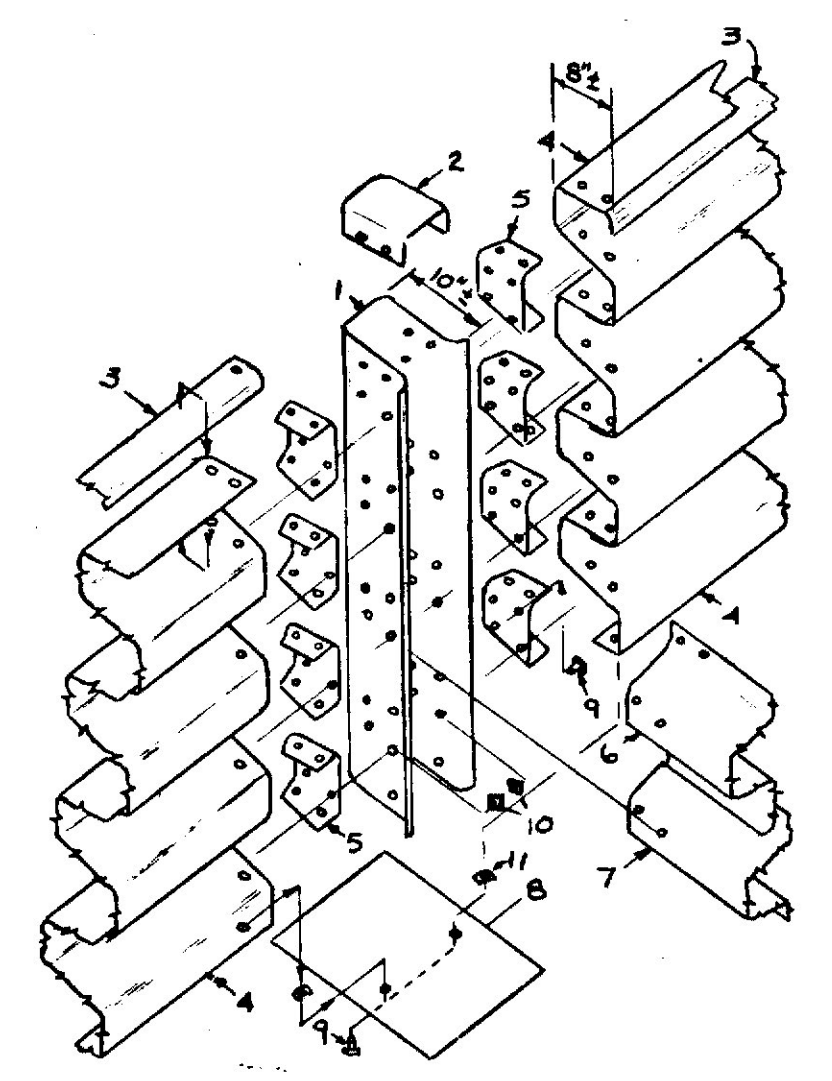
BRUNING 44-132 45710-1



PLAN
1/8" = 1'-0"



ELEVATION B-B
1/8" = 1'-0"



BIN WALL DETAIL
NO SCALE

Exploded view of a front panel joint of steel bin-type retaining wall, as seen from the rear. Other wall member configuration may be used if it is of equal strength and approved by the Engineer. See Parts Table below. Materials shall conform to the requirements of Subsection 713.07, except that asbestos fiber coating and bituminous saturant will not be required.

PARTS LIST

UNIT	NAME	GAGE	DESCRIPTION
1	Column	8	Vertical member connecting all other units
2	Column Cap	12	Cover for front column
3	Stringer Stiffener	8	Top Flange protector
4	Stringer	see typ section	Horizontal longitudinal member in front and rear walls
5	Connecting Panel	8	Connector for attaching stringers to columns
6	Spacer	see des. table	Transverse members that separate the front and rear columns
7	Bottom Spacer		Special bottom transverse member
8	Base Plate		Installation plate on which the column rests
*	Column Splice	1	Connects columns for higher walls
*	Split Column	8	Connects rear stringer of thinner wall to spacers of thicker wall
9	1 1/2"-5/8" Bolts		
10	5/8" Nuts		
11	5/8" Spring Nuts		

* Not Shown

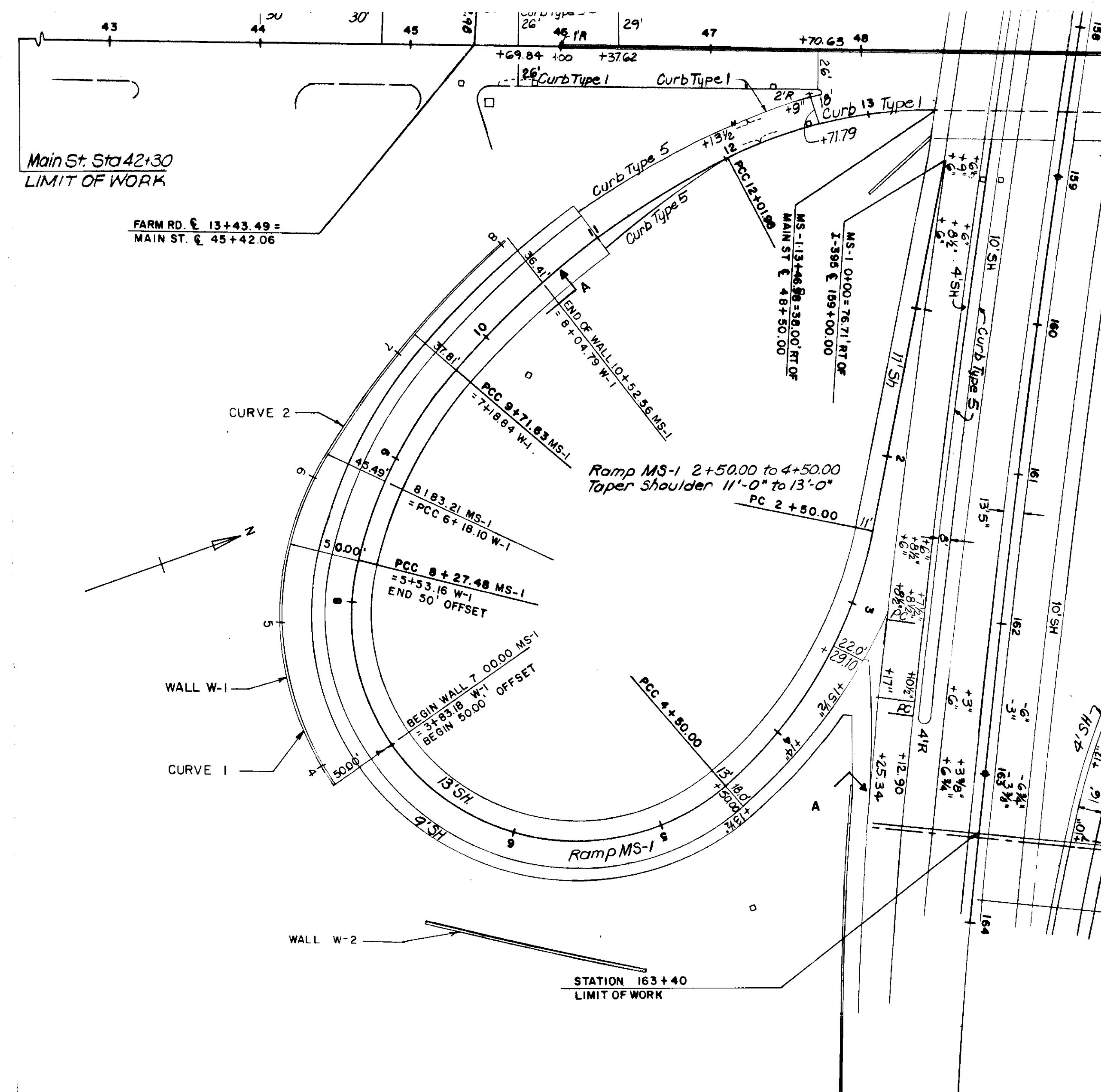
DESIGN TABLE (Type 1 Bin Wall)				
WALL NO.	TYPE	SHORT STRINGER (ON BACK) LENGTH (Inches)	'D'	SPACER GAGE
1	Special Bin Type A	116 5/8	5.5'	16
2	Special Bin Type A	116 5/8	5.5'	16
3	Special Bin Type B	115 7/16	7.7'	16
4	Special Bin Type C	114 1/4	9.9'	14
5	Special Bin Type D	113	12.1'	12
6	Special Bin Type D	113	12.1'	12
7	Special Bin Type E	113	14.3'	12
8	Special Bin Type E	113	14.3'	12
9	Special Bin Type E	113	14.3'	12
10	Special Bin Type E	114 1/4	14.3'	12
11	Special Bin Type E	114 1/4	14.3'	12
12	Special Bin Type E	114 1/4	14.3'	12
13	Special Bin Type E	114 1/4	14.3'	12
14	Special Bin Type E	115 7/16	14.3'	12
15	Special Bin Type E	114 1/4	14.3'	12
16	Special Bin Type E	114 1/4	14.3'	12
17	Special Bin Type D	115 7/16	12.1'	12
18	Special Bin Type D	115 7/16	12.1'	12
19	Special Bin Type D	115 7/16	12.1'	12
20	Special Bin Type C	115 7/16	9.9'	14
21	Special Bin Type C	116 5/8	9.9'	14
22	Special Bin Type C	115 7/16	9.9'	14
23	Special Bin Type B	116 5/8	7.7'	16
24	Special Bin Type B	116 5/8	7.7'	16
25	Standard Bin Type B	---	7.7'	16
26	Standard Bin Type B	---	7.7'	16
27	Special Bin Type A	116 5/8	5.5'	16
28	Standard Bin Type A	---	5.5'	16
29	Standard Bin Type A	---	5.5'	16
30	Standard Bin Type A	---	5.5'	16
31	Standard Bin Type A	---	5.5'	16
32	Standard Bin Type A	---	5.5'	16

METAL BIN WALL REPLACED BY
RETAINED EARTH WALL

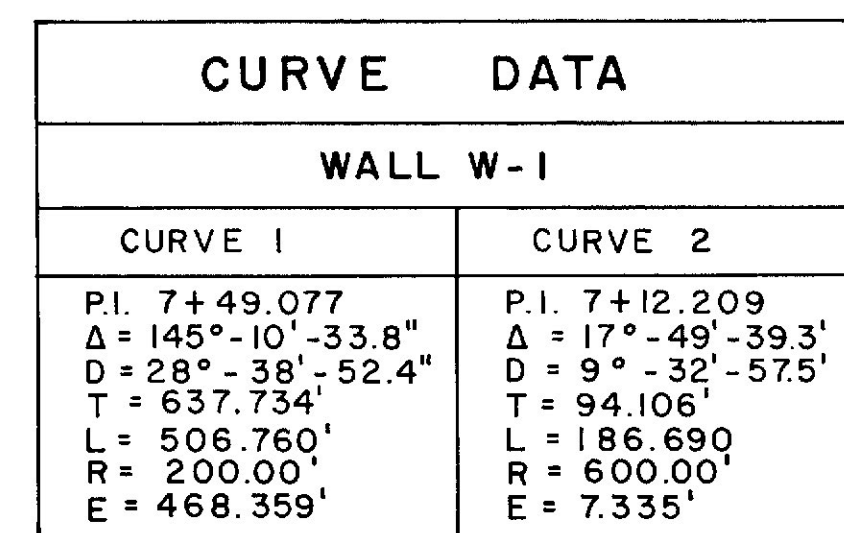
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SPECIAL DETAIL
METAL BIN WALL
AT RAMP FR-1

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



RETAINING WALL LAYOUT PLAN

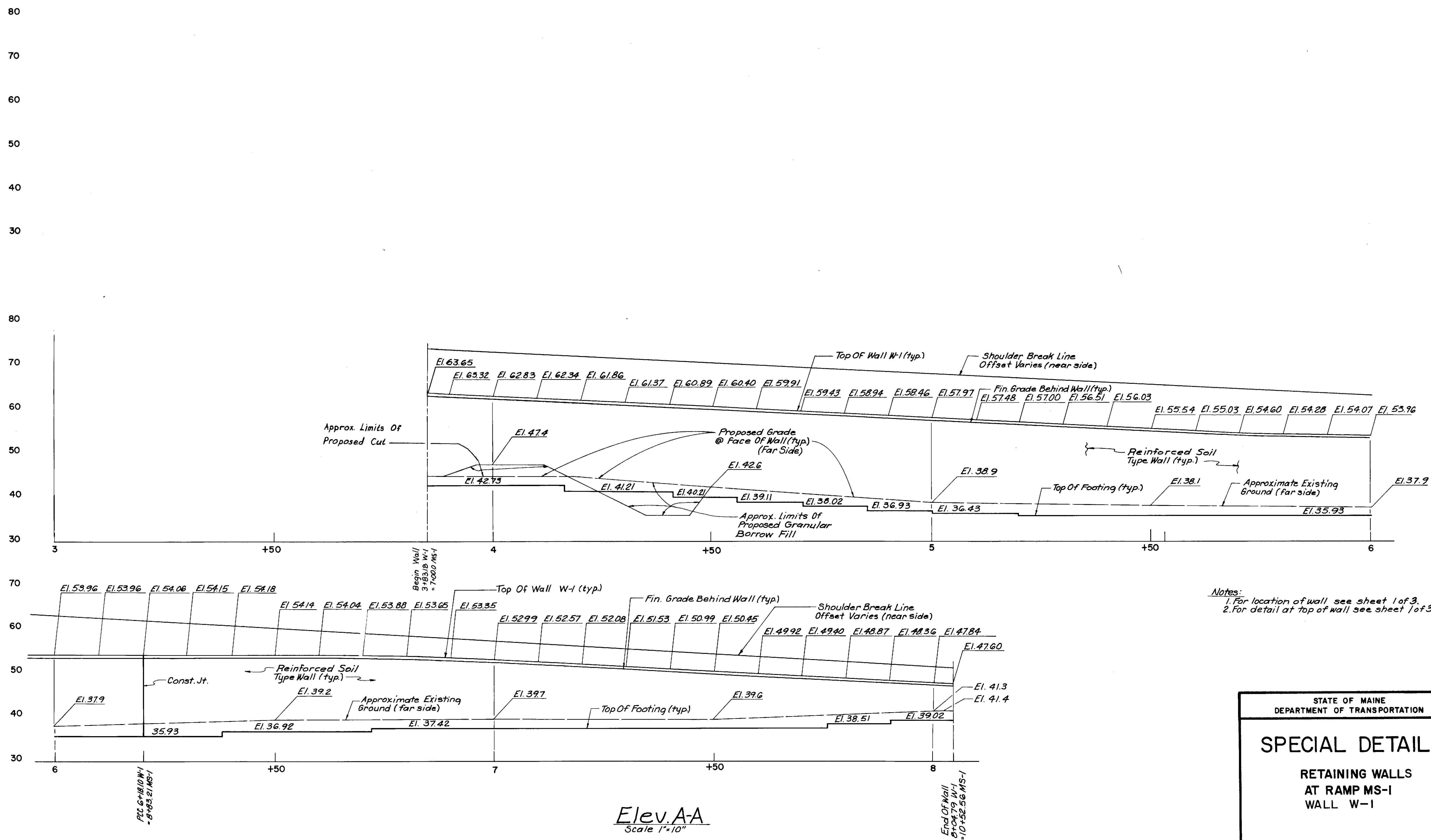


1. ALL OFFSETS TO REINFORCED SOIL WALL ARE RADIAL FROM STA. LINE MS-1 TO THE OUTSIDE FACE OF WALL.

2. SEE GEOMETRICS SHEETS 1 & 2 OF 2 FOR RAMP MS-1 HORIZ. GEOMETRY.

3. FOR ELEV. A-A SEE SHEET 2 OF 3.

**SPECIAL DETAIL
RETAINING WALLS
AT RAMP MS-1**



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SPECIAL DETAIL

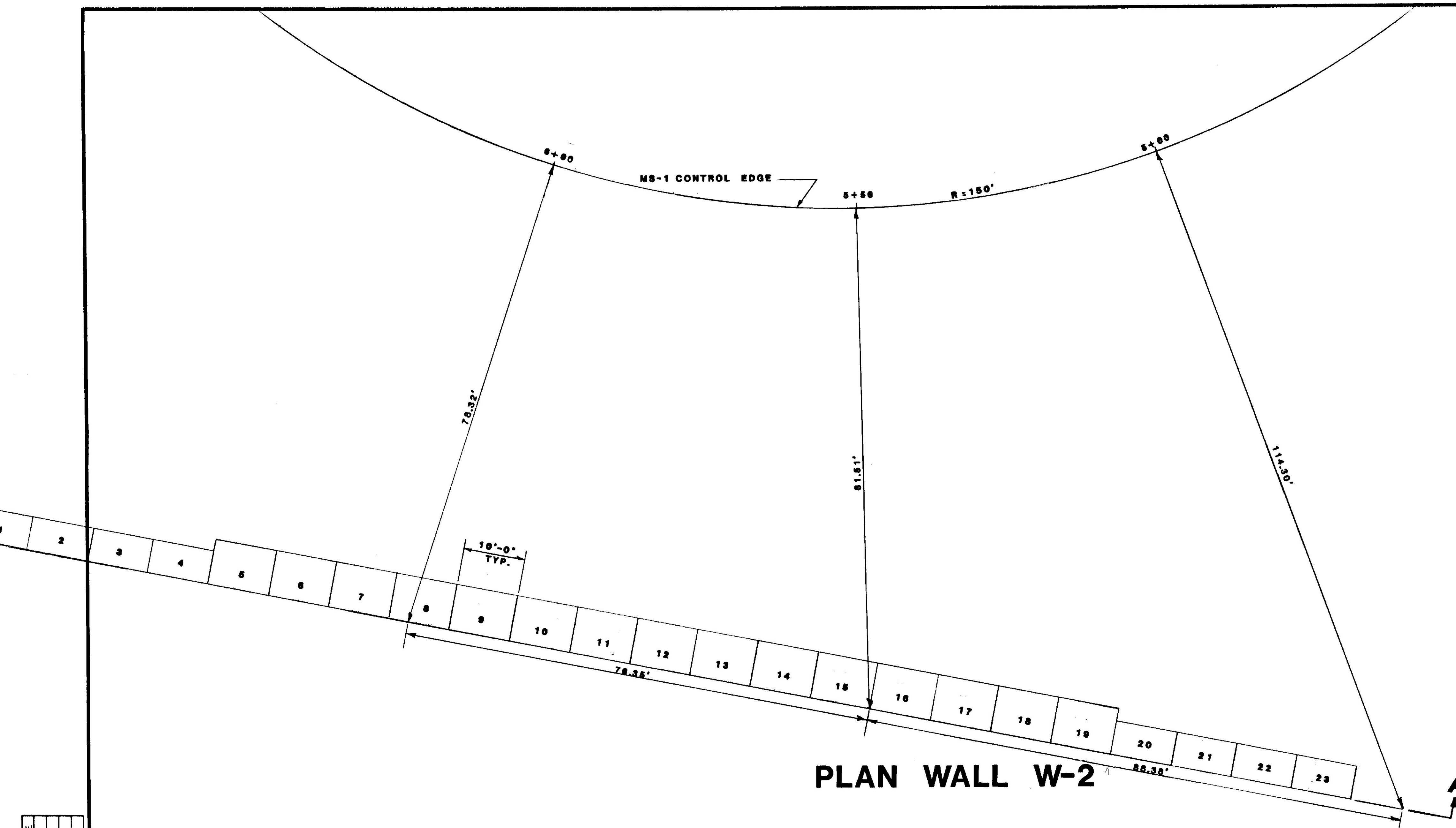
RETAINING WALLS
AT RAMP MS-1
WALL W-1

SHEET 2 OF 3 AUGUSTA, MAINE

PROJECT ENGINEER	DATE
DESIGN - DETAILED	
CHECKED	
REVISIONS	
FIELD CHANGES	

PLANS

BRUNING 44132 45710-1

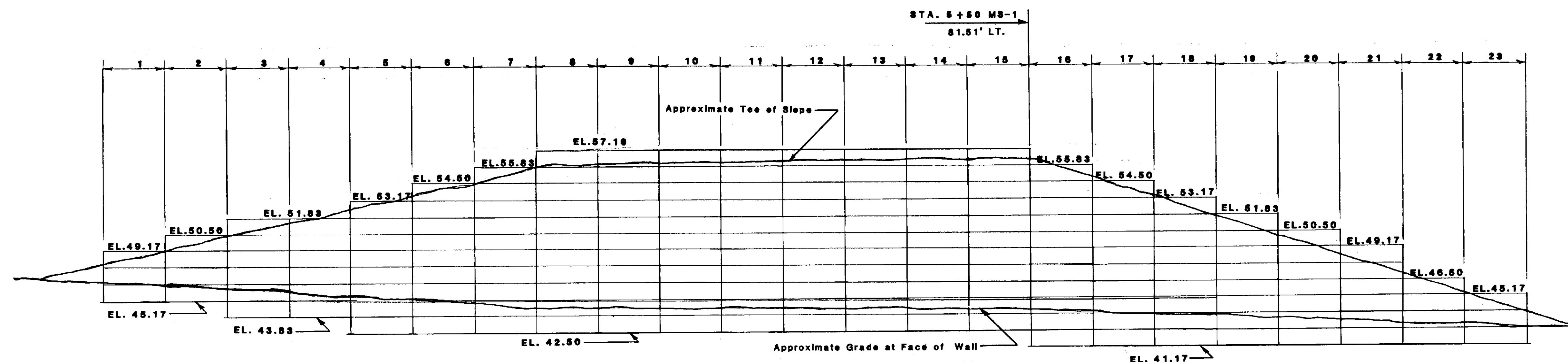


PLAN WALL W-2

BIN NO.	TYPE	"d"	SPACER GAGE
1 THRU 4	STANDARD BIN TYPE A	5.5'	16
5 THRU 19	STANDARD BIN TYPE B	7.7'	16
20 THRU 23	STANDARD BIN TYPE A	5.5'	16

FOR TYPICAL SECTION SEE SHEET NO. 36
FOR BIN WALL DETAIL SEE SHEET NO. 37

NOTE: PREPARATION OF FOUNDATION MATERIAL GRADATION
AND CONSTRUCTION OF THE EMBANKMENT SHALL BE
AS DESCRIBED UNDER SECTION 203.09 THRU 203.11
OF THE STANDARD SPECIFICATIONS.



ELEVATION A-A WALL W-2

METAL BIN WALL REPLACED
BY RETAINED EARTH WALL

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
SPECIAL DETAIL	
RETAINING WALL	
AT RAMP MS-1	
WALL W-2	
SHEET	OF AUGUSTA, MAINE

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