

BANGOR

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

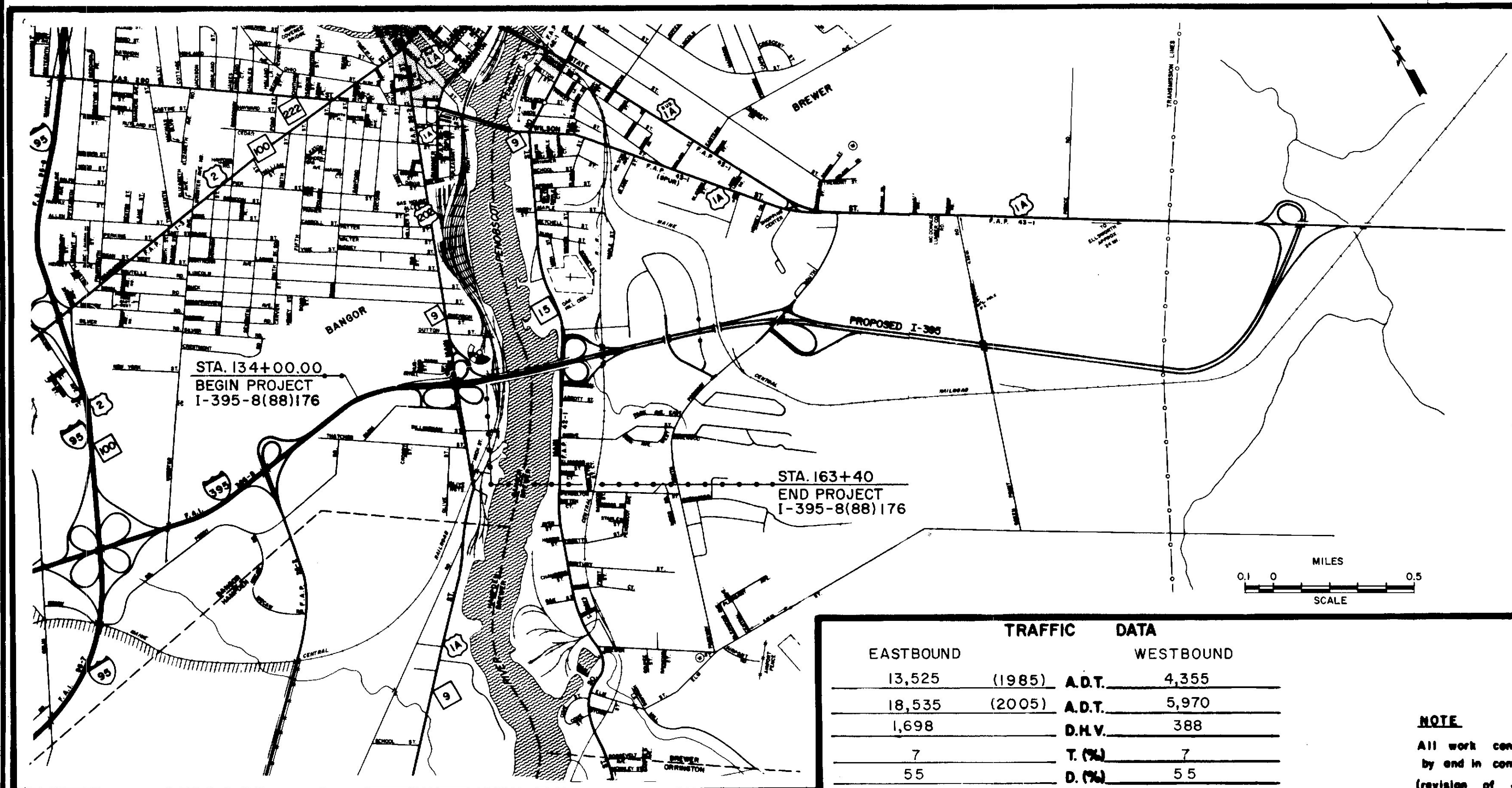
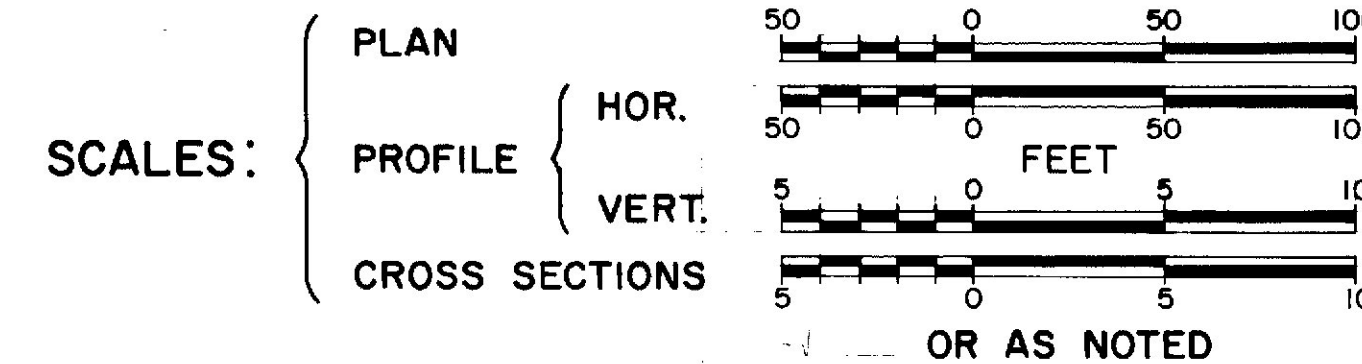


PLANS

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

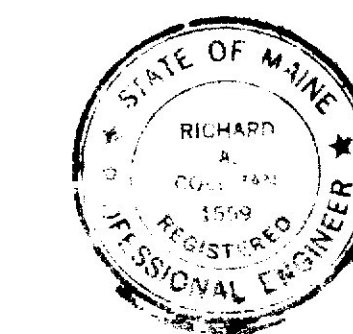


A PORTION OF PENOBSCOT COUNTY

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

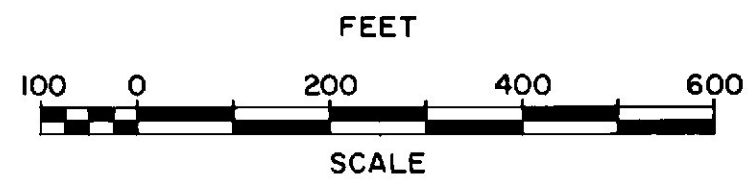
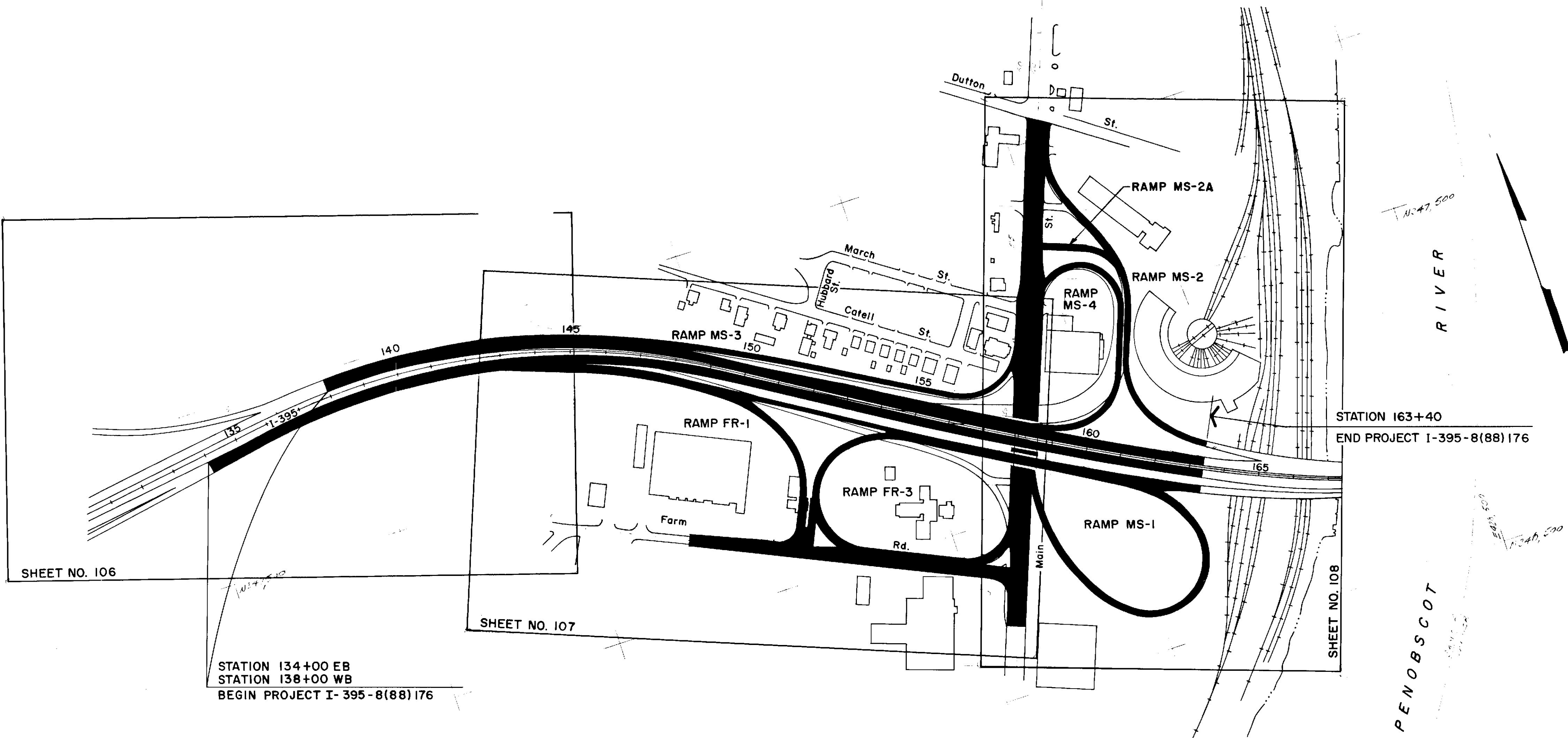
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BANGOR

I-395

F.H.W.A. SHEET NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-8(88)	2	216



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

LAYOUT PLAN

SHEET 1 OF 1 AUGUSTA, MAINE

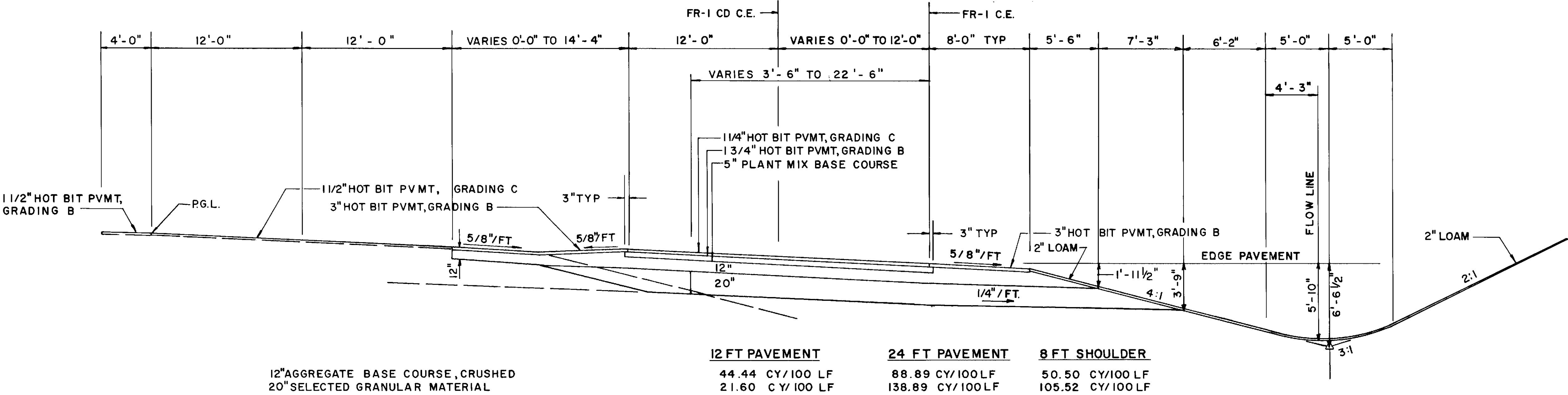
BANGOR I-395

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

BRUNING 44-132 45710-1

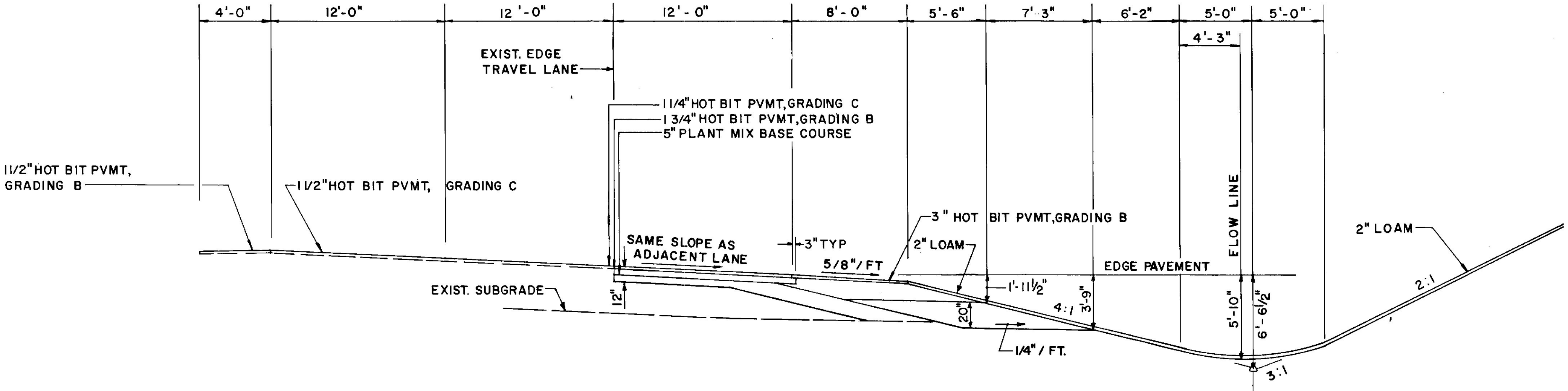
3" HOT BITUMINOUS PAVEMENT

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

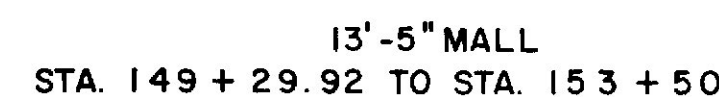
SHEET 1 OF 12 AUGUSTA, MAINE

BANGOR

I-395

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

BRUNING 44-132 45710-1



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

SHOULDER
STA. 150+65± TO STA. 154+35±



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

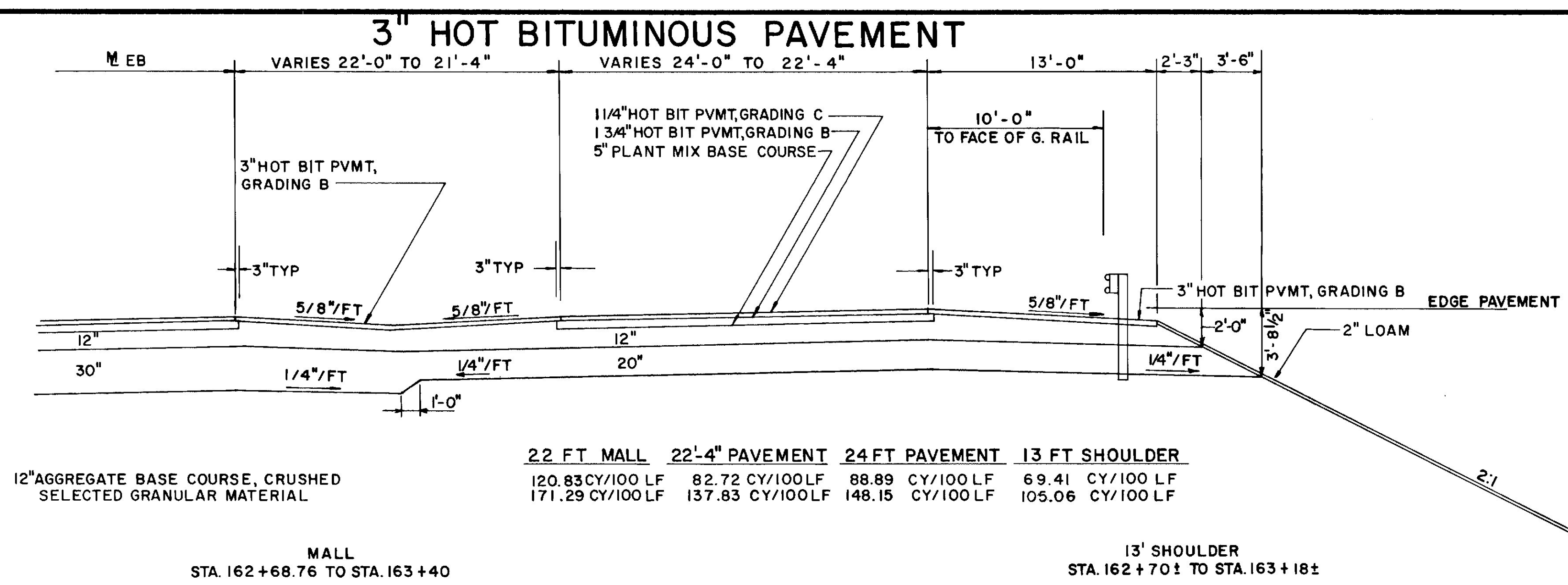
EASTBOUND M
& CD ROAD

TYPICALS AS CONSTRUCTED
P DUNN FEB 1987

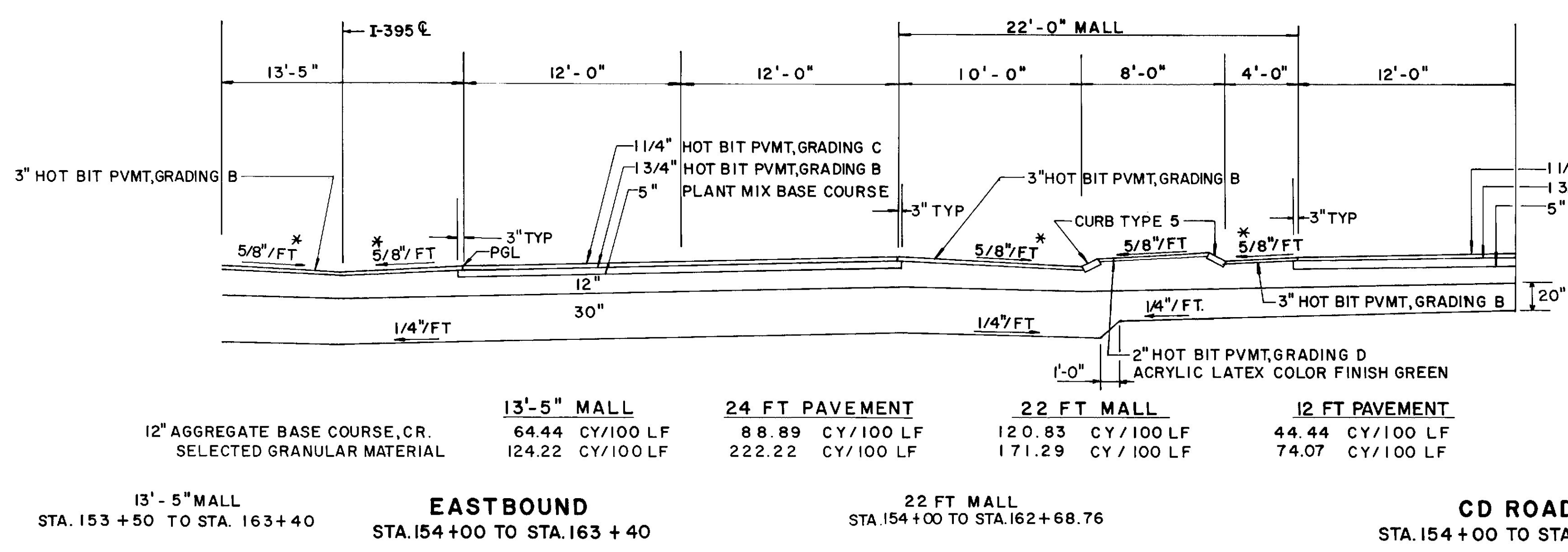
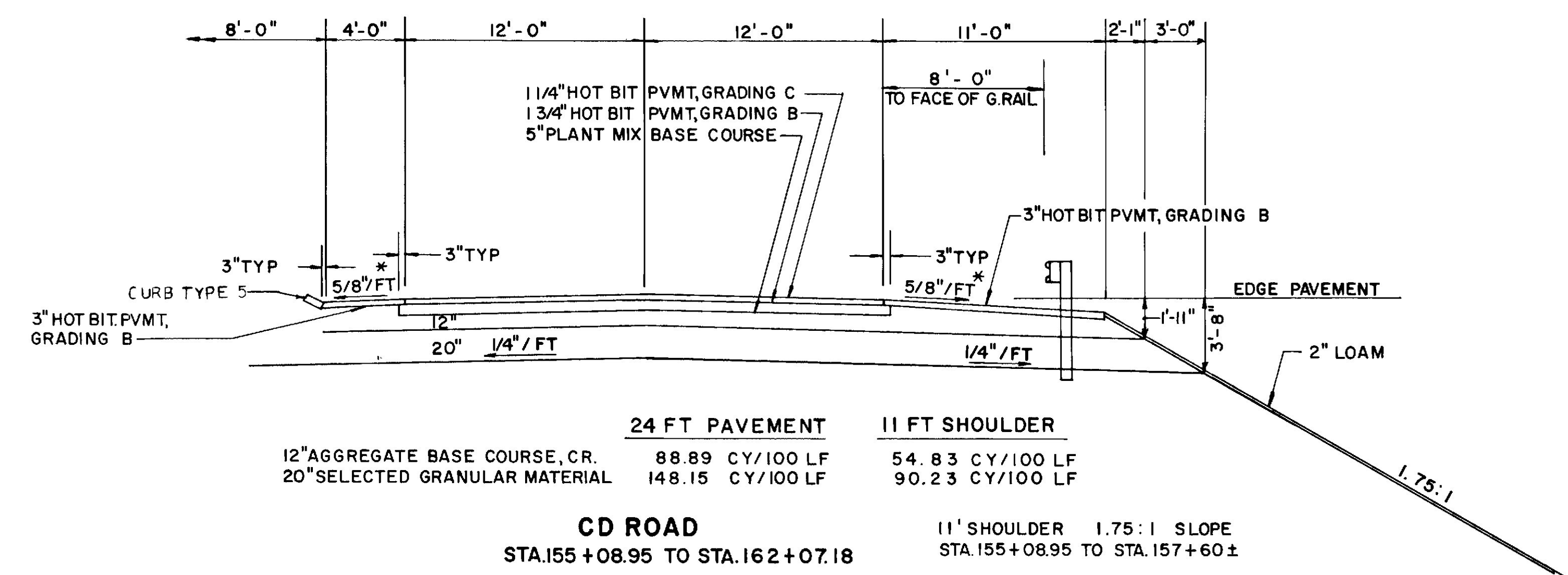
SHEET 2 OF 12 AUGUSTA, MAINE

BANGOR

I-395



CD ROAD
STA. 162+07.18 TO STA. 163+40



*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
EASTBOUND M & CD ROAD
TYPICALS AS CONSTRUCTED
P DUNN FEB 1987

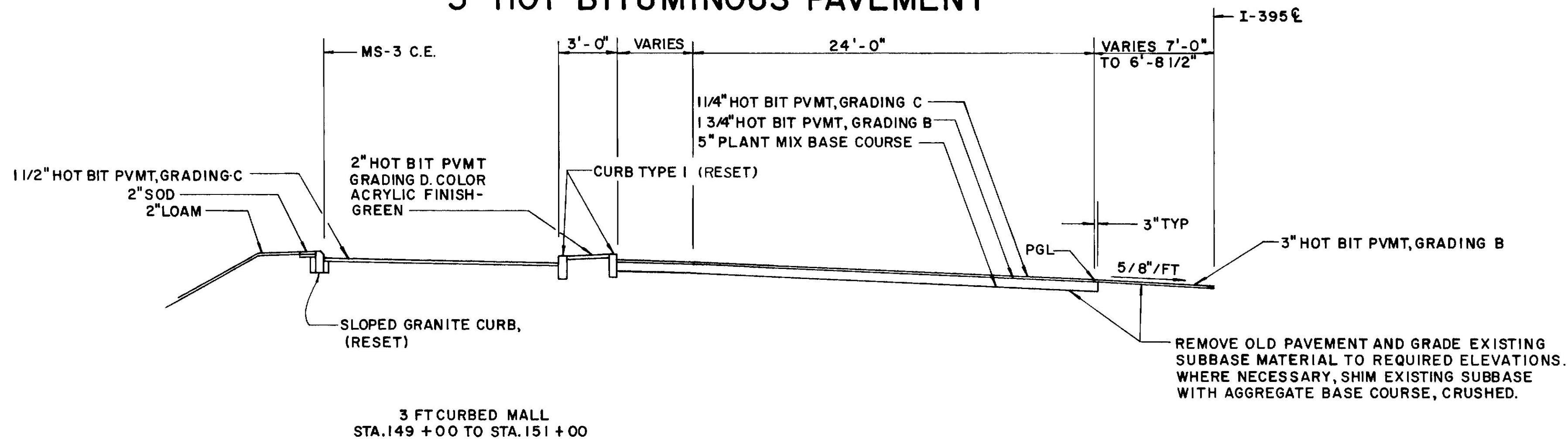
PROJECT DESIGN ENGINEER
DESIGN - DETAILED
CHECKED
REVISIONS
FIELD CHANGES

PLANS

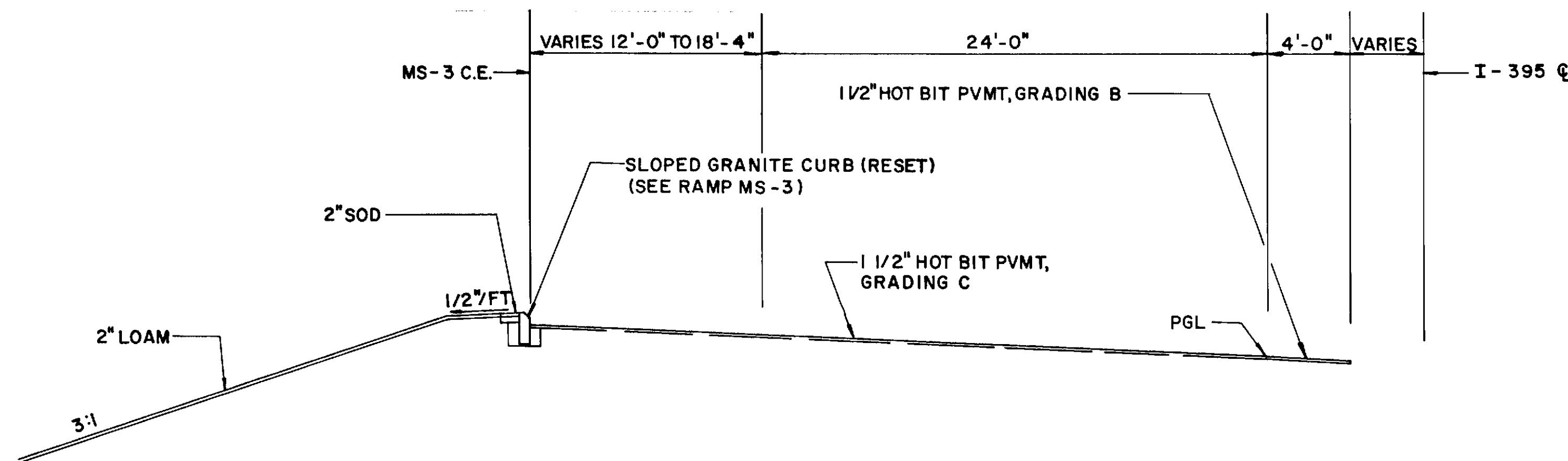
BY
DATE

3" HOT BITUMINOUS PAVEMENT

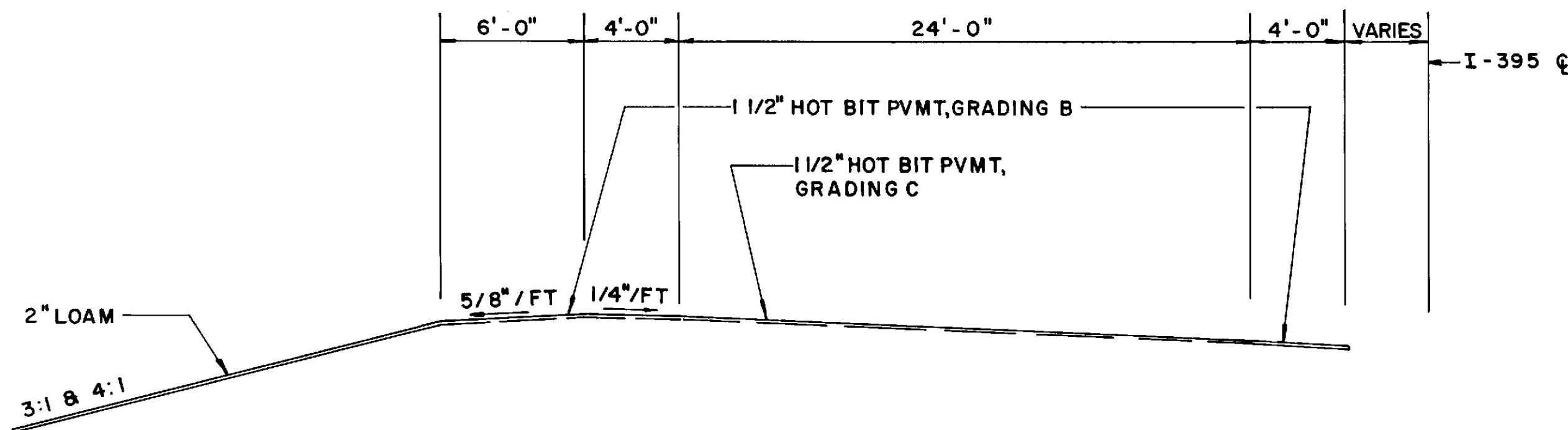
F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-8(88)	6	216



I-395 WESTBOUND STA. 148+00 TO STA. 150+50



I-395 WESTBOUND STA. 145+07.27 TO STA. 148+00



I-395 WESTBOUND STA. 138+00 TO STA. 145+07.27

- NOTES:
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

WESTBOUND MAINLINE

TYPICALS AS CONSTRUCTED
PDU NN FEB 1987

SHEET 4 OF 12 AUGUSTA, MAINE

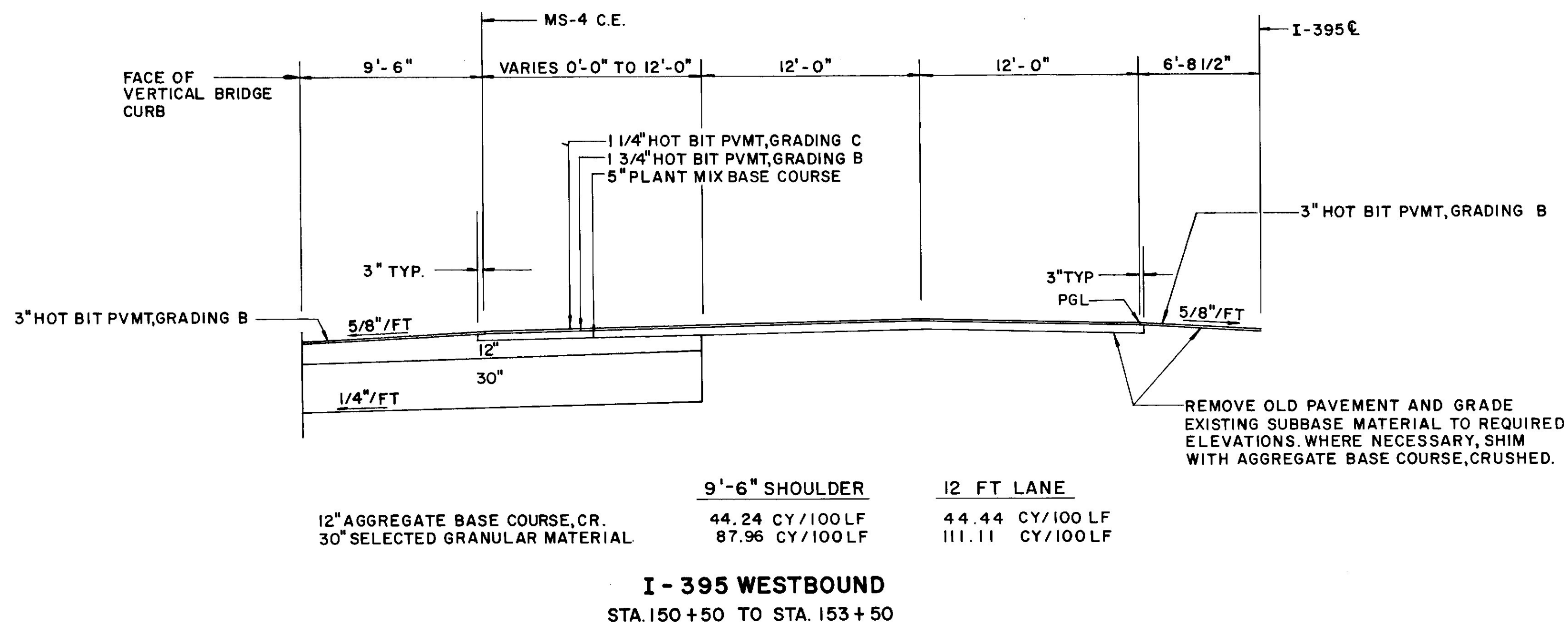
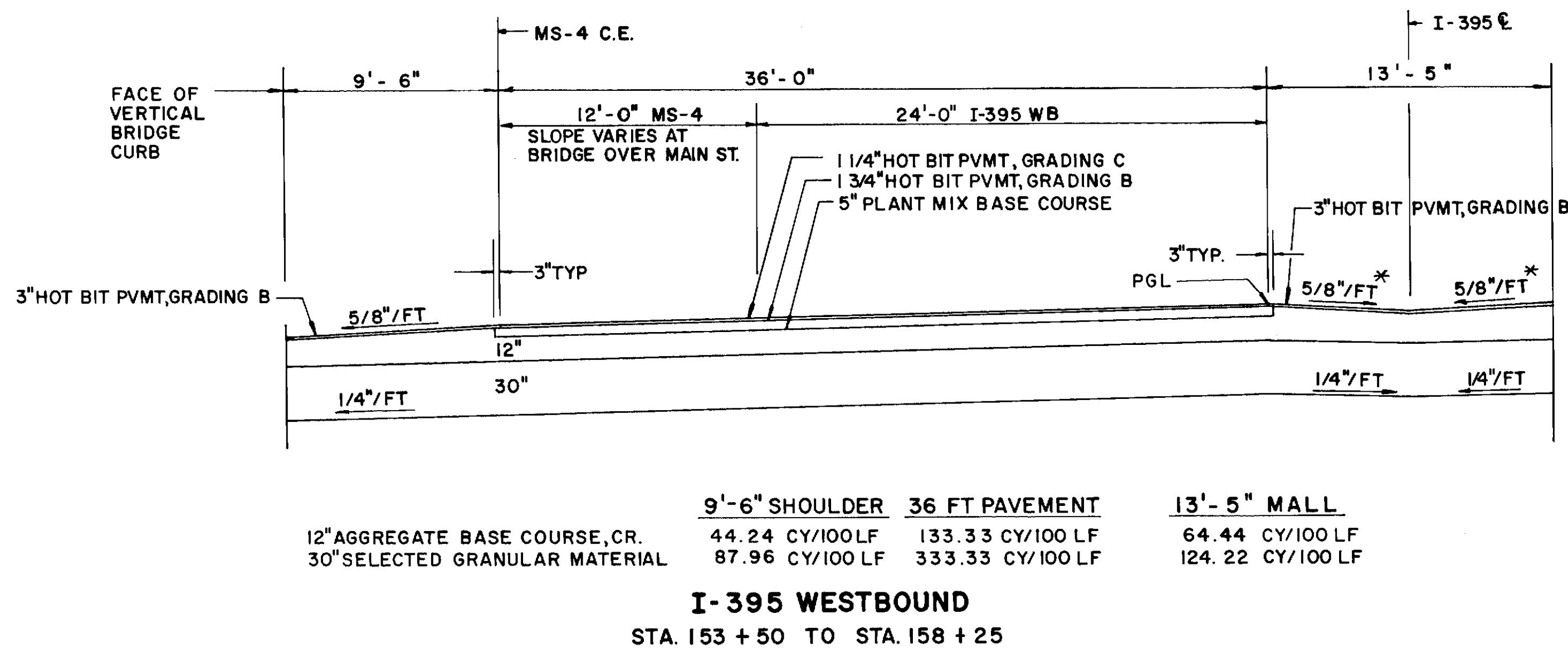
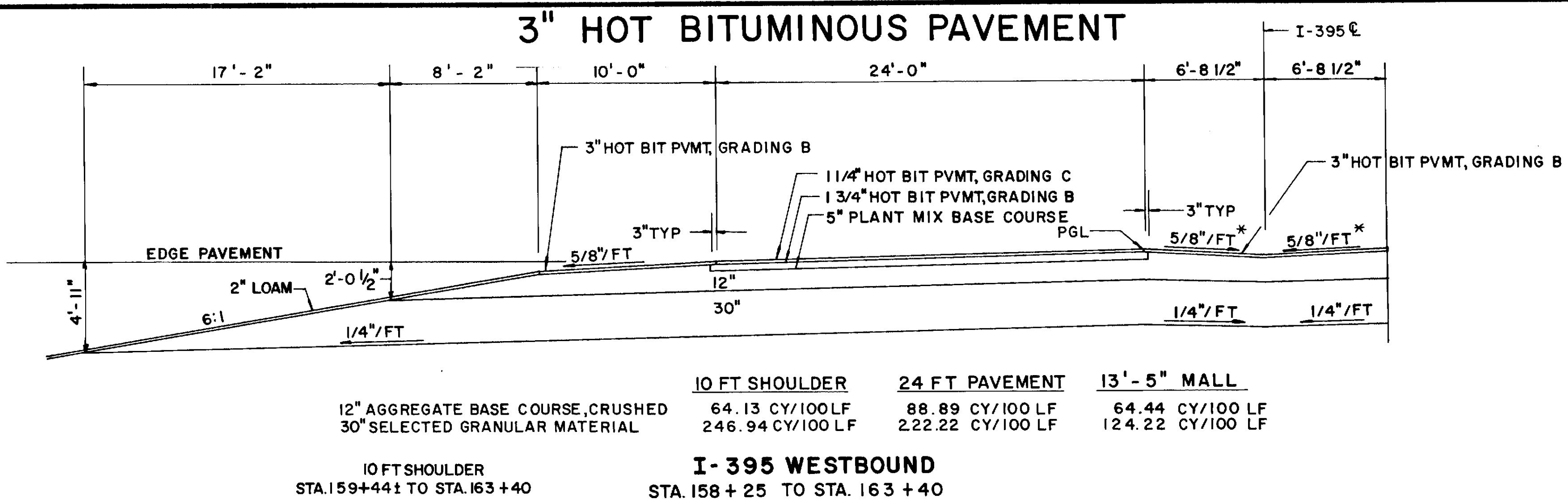
BANGOR

I-395

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

PLANS

BRUNING 44-132 45710-1



- NOTES:
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

WESTBOUND MAINLINE

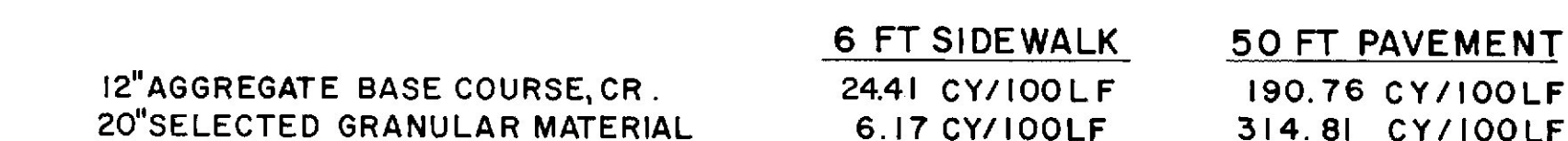
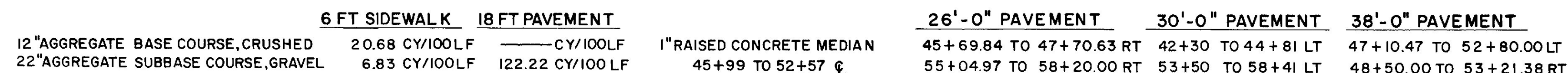
TYPICALS AS CONSTRUCTED
P.D. JUNE 1987

SHEET 5 OF 12 AUGUSTA, MAINE

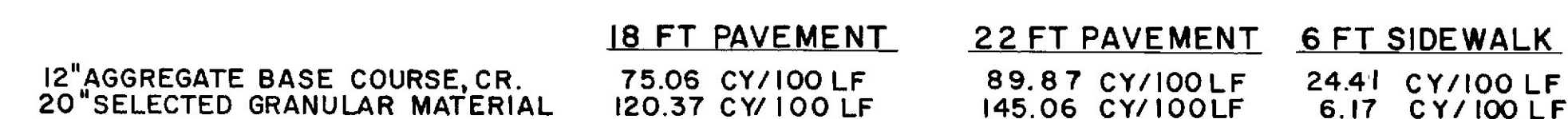
BANGOR

I-395

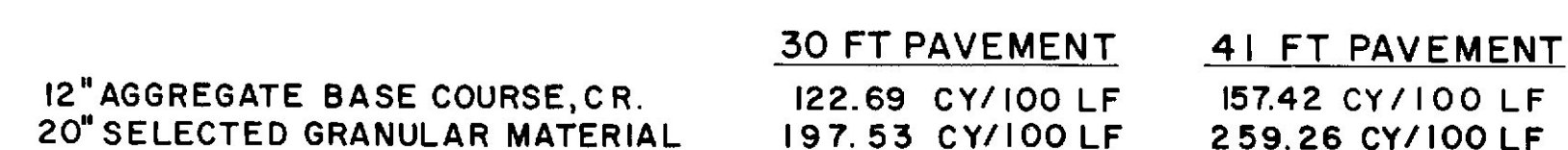
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DESIGN - DETAILED		
CHECKED		
REVISIONS		
FIELD CHANGES		
PLANS		



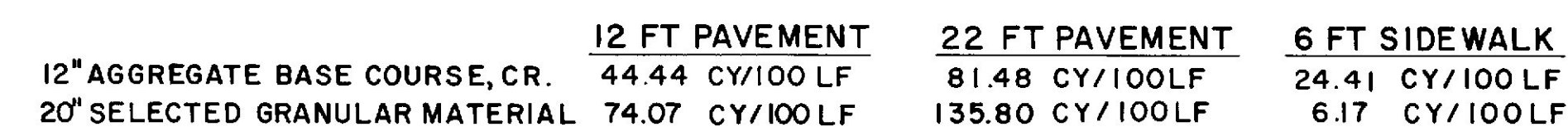
STA. 8 + 97.50 TO STA. 13 + 05



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



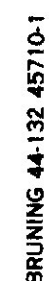
FARM ROAD
STA. 4 + 00 TO STA. 8 + 97.50



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

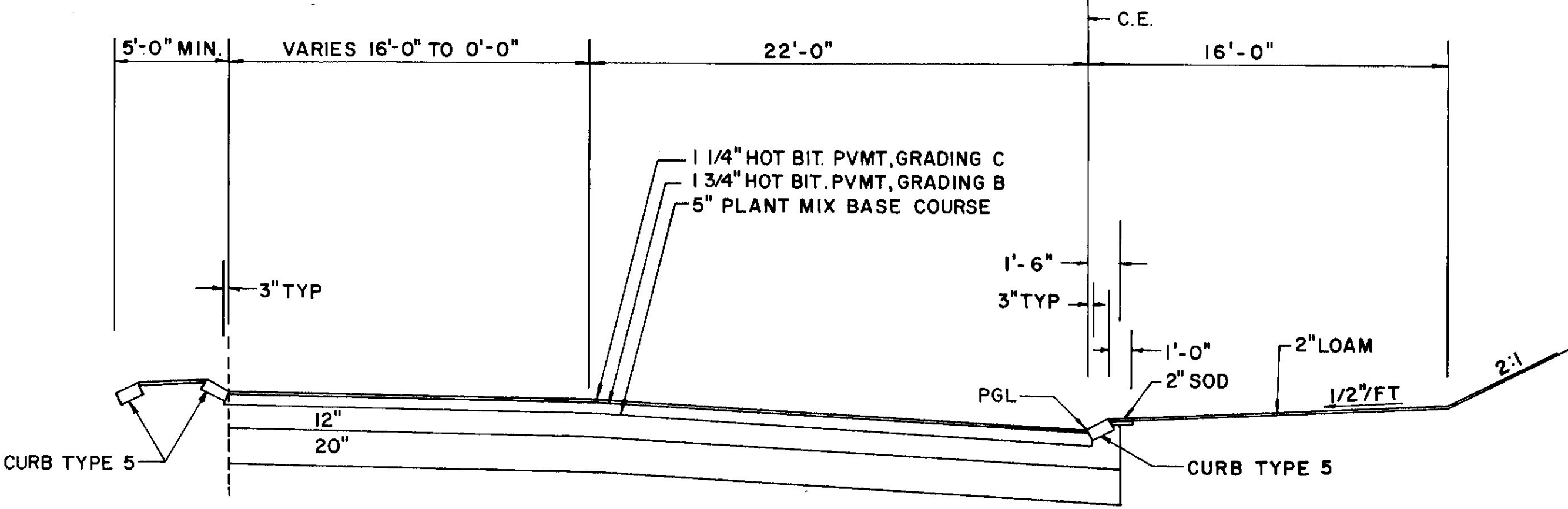
- TYPICAL SECTIONS**
MAIN STREET
FARM ROAD
RAMP FR-3
(STA. 0+00 TO STA. 2+03.37)
TYPICALS AS CONSTRUCTED
P DUNN FEB 1987

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO	TOTAL SHEETS
1	MAINE	395-8(88)	9	216



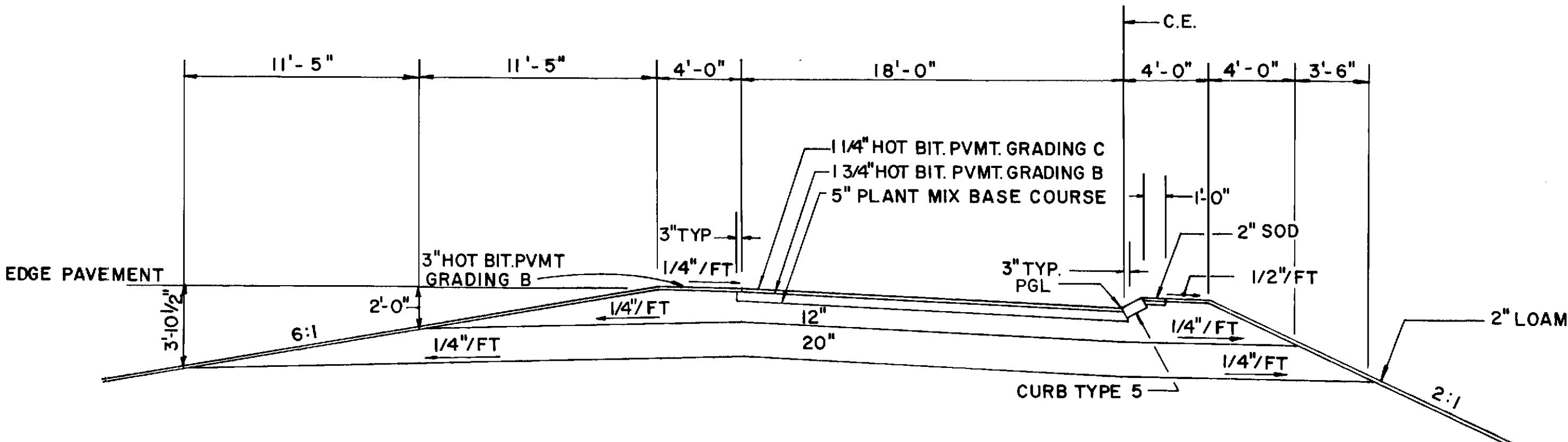
3" HOT BITUMINOUS PAVEMENT

F.H.W.A. REQ. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-8(88)	10	216



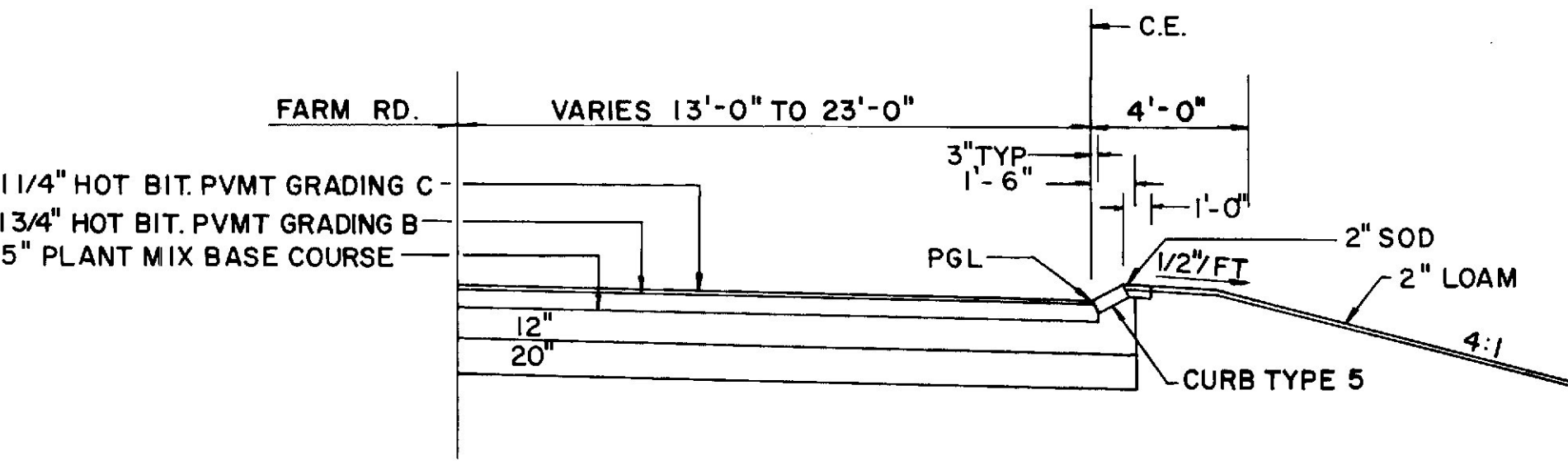
	16 FT PAVEMENT	22 FT PAVEMENT
12" AGGREGATE BASE COURSE, CR.	59.26 CY/100 LF	90.08 CY/100 LF
20" SELECTED GRANULAR MATERIAL	98.76 CY/100 LF	145.06 CY/100 LF

RAMP FR-3
STA. 6+47.12 TO STA. 7+30



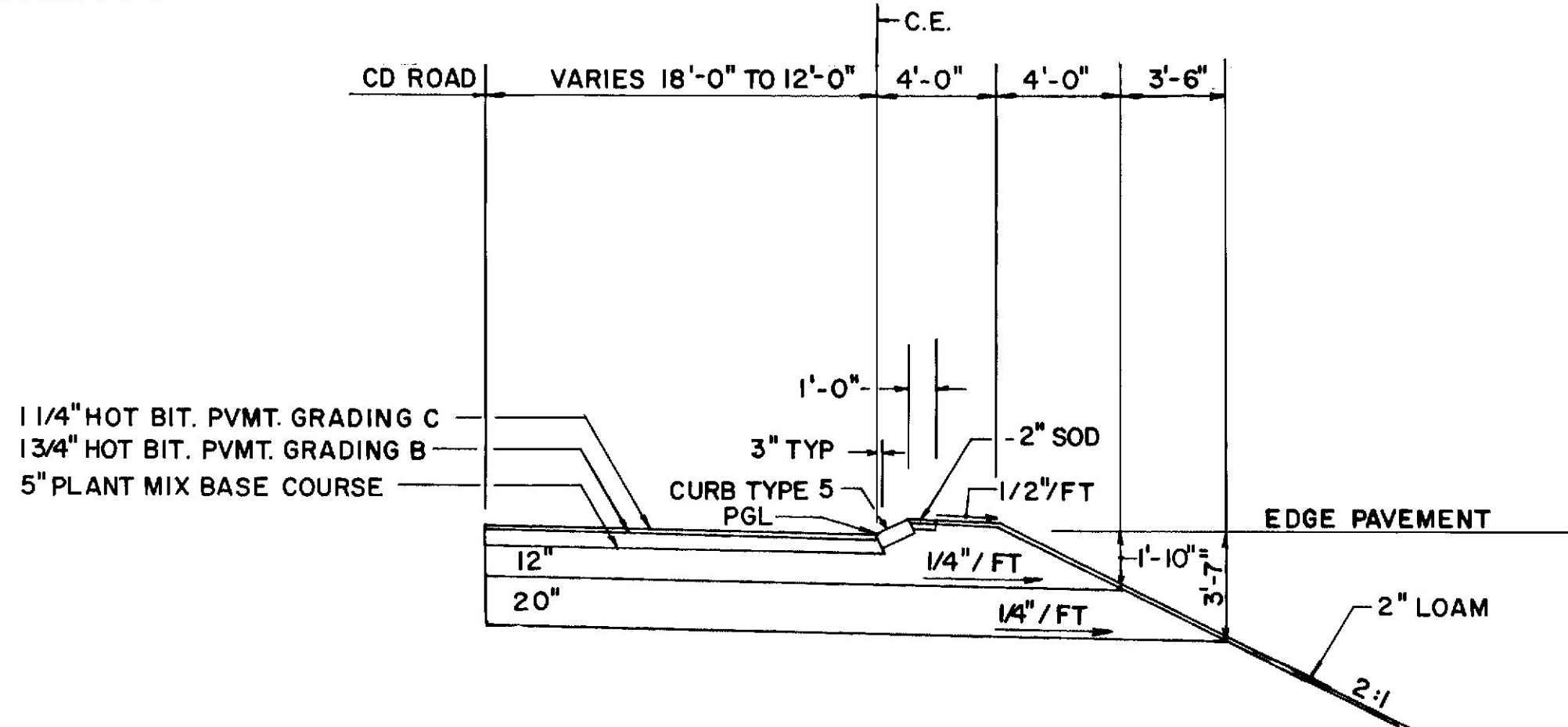
	4 FT SHOULDER HIGH SIDE	18 FT PAVEMENT	CURBED SHOULDER-FILL
12" AGGREGATE BASE COURSE, CR.	57.11 CY/100 LF	66.67 CY/100 LF	47.09 CY/100 LF
20" SELECTED GRANULAR MATERIAL	130.56 CY/100 LF	111.11 CY/100 LF	78.67 CY/100 LF

RAMP FR-3
STA. 7+30 TO STA. 9+45



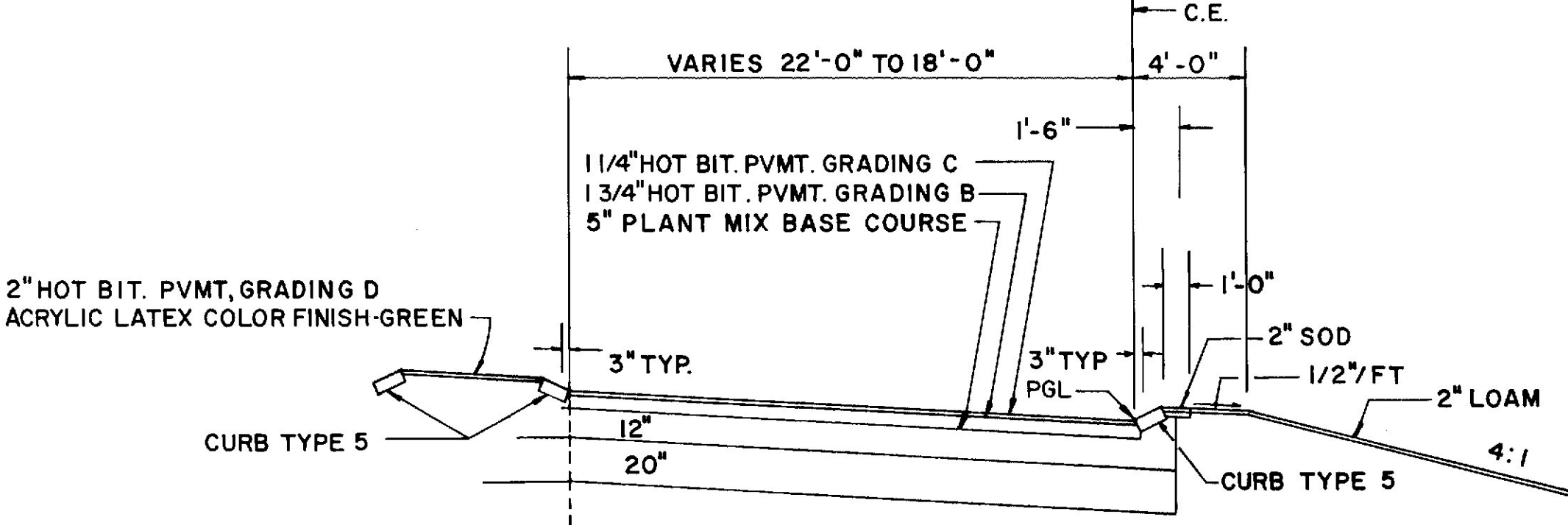
	13 FT PAVEMENT	23 FT PAVEMENT
12" AGGREGATE BASE COURSE, CR.	56.75 CY/100 LF	93.79 CY/100 LF
20" SELECTED GRANULAR MATERIAL	89.51 CY/100 LF	151.23 CY/100 LF

RAMP FR-3
STA. 4+77.16 TO STA. 5+47.62



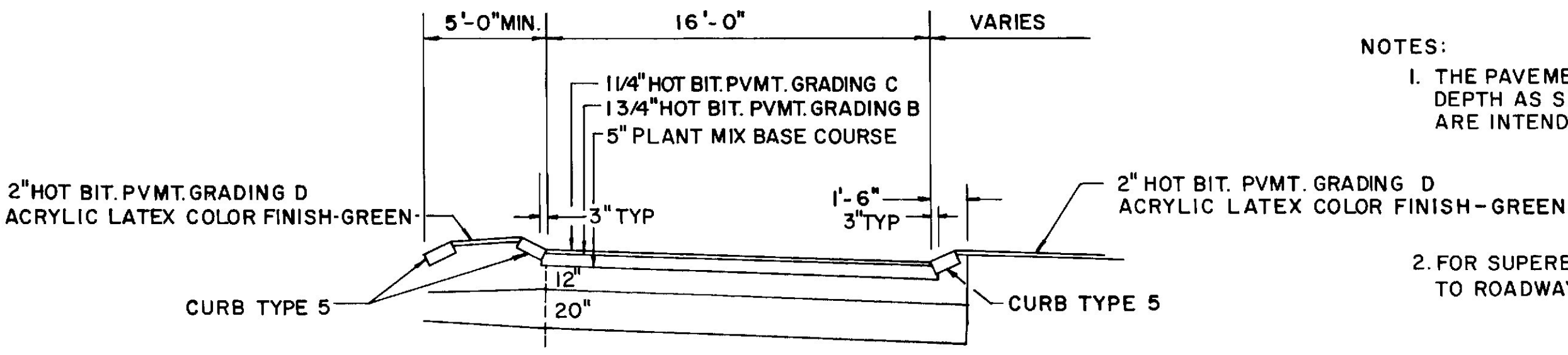
	12 FT PAVEMENT	18 FT PAVEMENT	CURBED SHOULDER-FILL
12" AGGREGATE BASE COURSE, CR.	44.44 CY/100 LF	66.67 CY/100 LF	39.66 CY/100 LF
20" SELECTED GRANULAR MATERIAL	74.07 CY/100 LF	111.11 CY/100 LF	59.94 CY/100 LF

RAMP FR-3
STA. 9+45 TO STA. 10+60.54



	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

RAMP FR-3
STA. 5+47.62 TO STA. 6+47.12



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

RAMP FR-3 LEFT TURN
ENTRANCE FROM FARM ROAD

- NOTES:
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

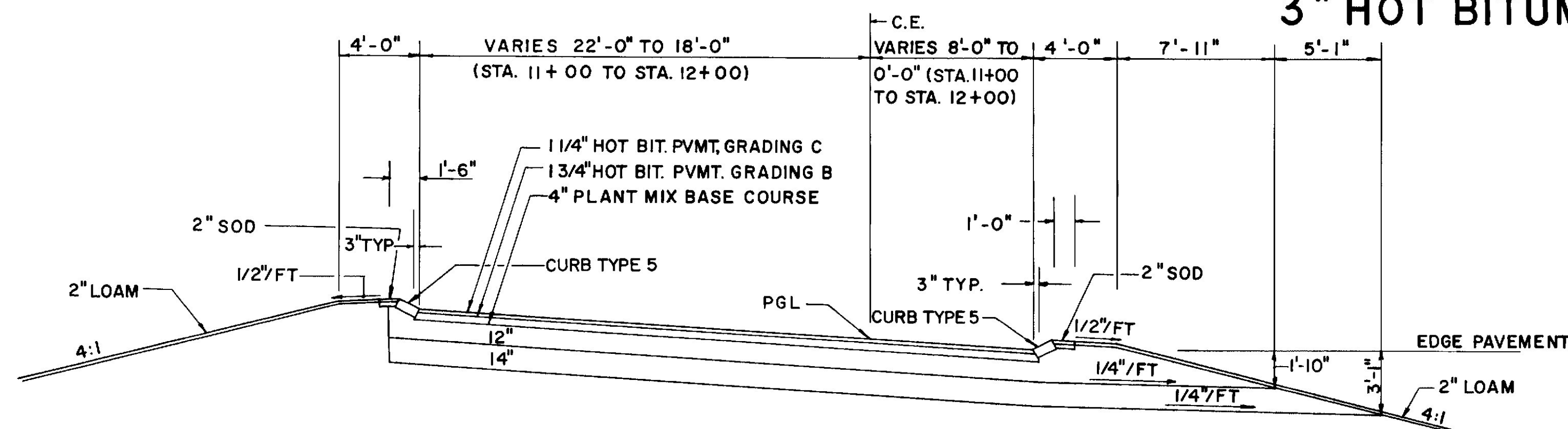
RAMP FR-3
TYPICALS AS CONSTRUCTED
PDUNN FEB 1987

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

PLANS

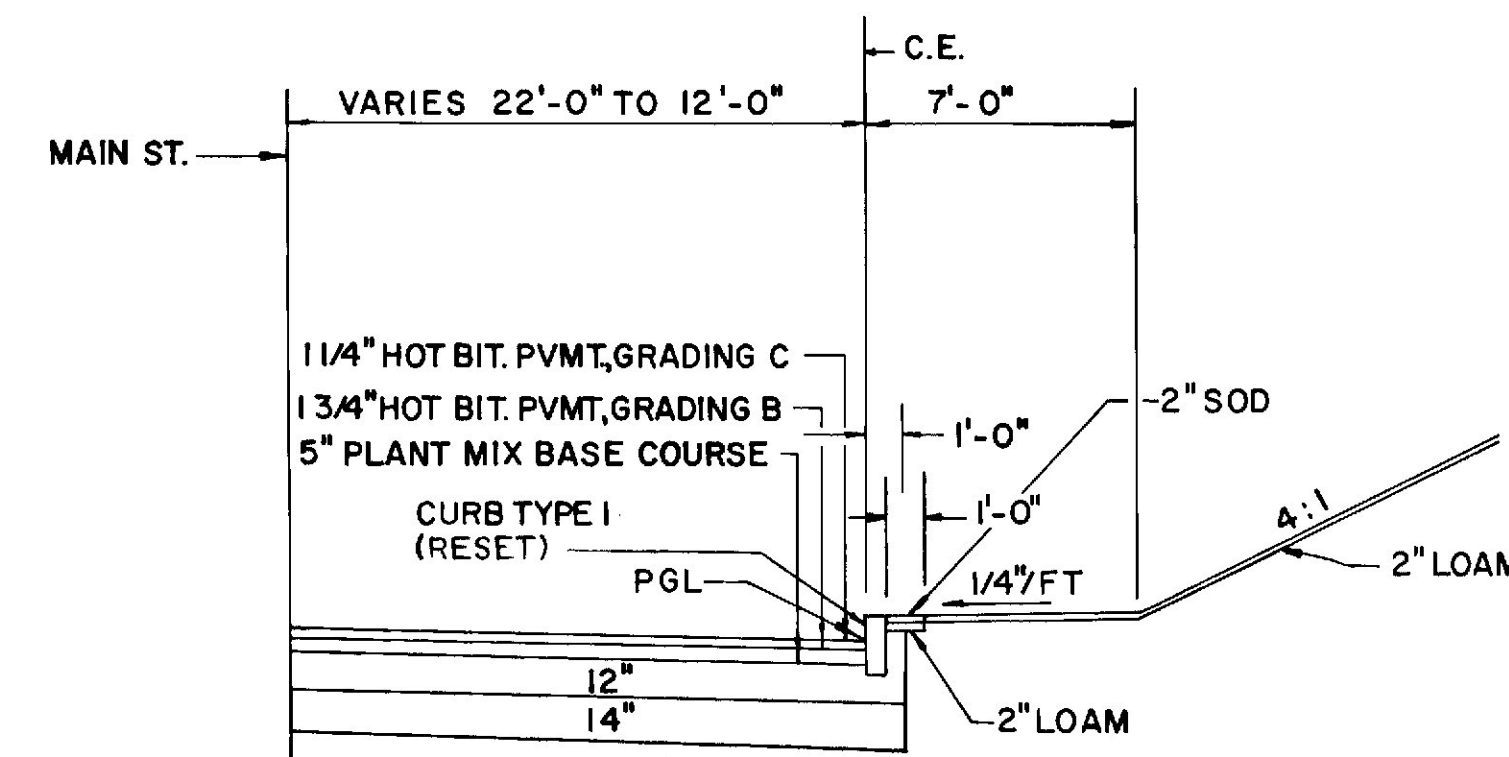
3" HOT BITUMINOUS PAVEMENT

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



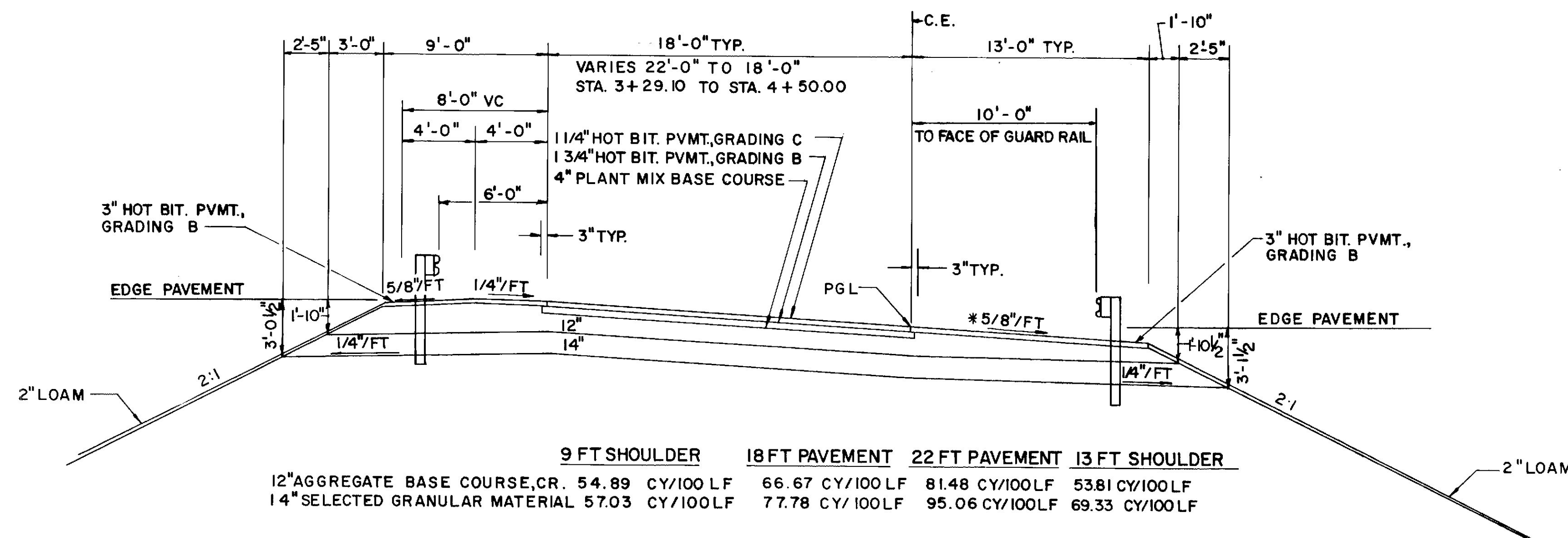
	18 FT PAVEMENT	30 FT PAVEMENT	CURBED SHOULDER-FILL
12" AGGREGATE BASE COURSE, CRUSHED	74.11 CY/100 LF	118.56 CY/100 LF	38.68 CY/100 LF
14" SELECTED GRANULAR MATERIAL	84.26 CY/100 LF	136.11 CY/100 LF	62.55 CY/100 LF

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



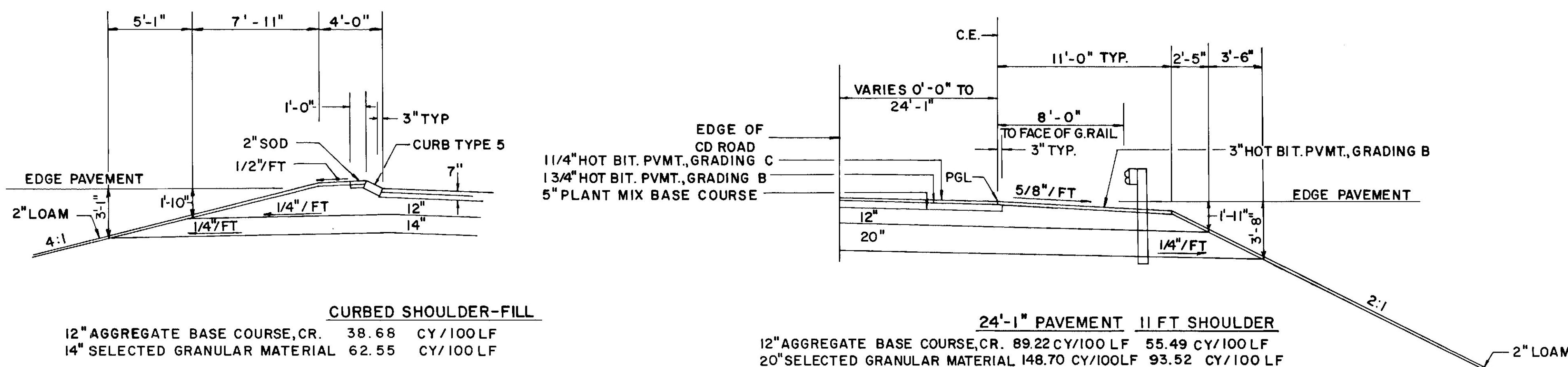
	12 FT PAVEMENT	22 FT PAVEMENT
12" AGGREGATE BASE COURSE, CR.	50.01 CY/100 LF	87.05 CY/100 LF
14" SELECTED GRANULAR MATERIAL	56.17 CY/100 LF	99.38 CY/100 LF

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

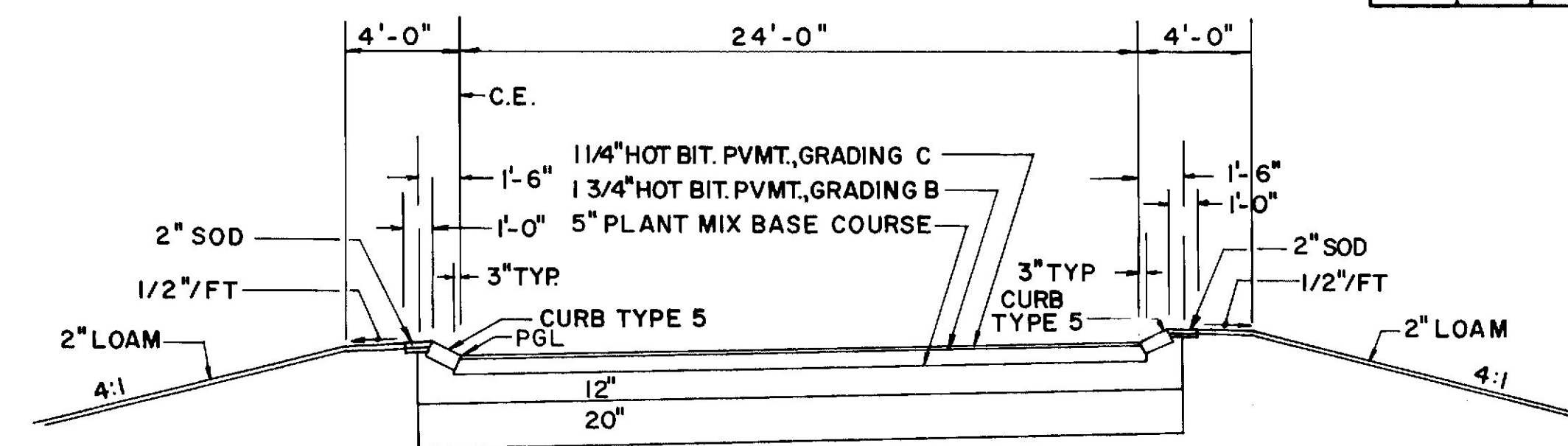
TYPICALS AS CONSTRUCTED
PDUNN FEB 1987

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

SHEET 9 OF 12 AUGUSTA, MAINE

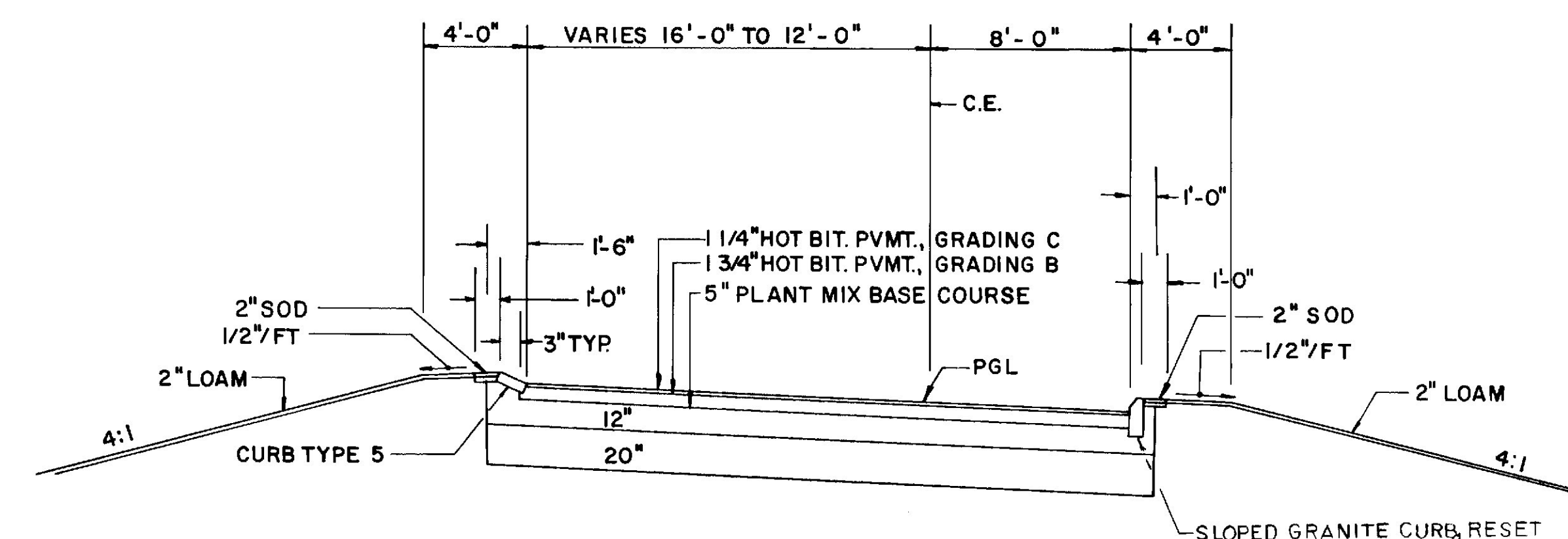
BANGOR

I-395



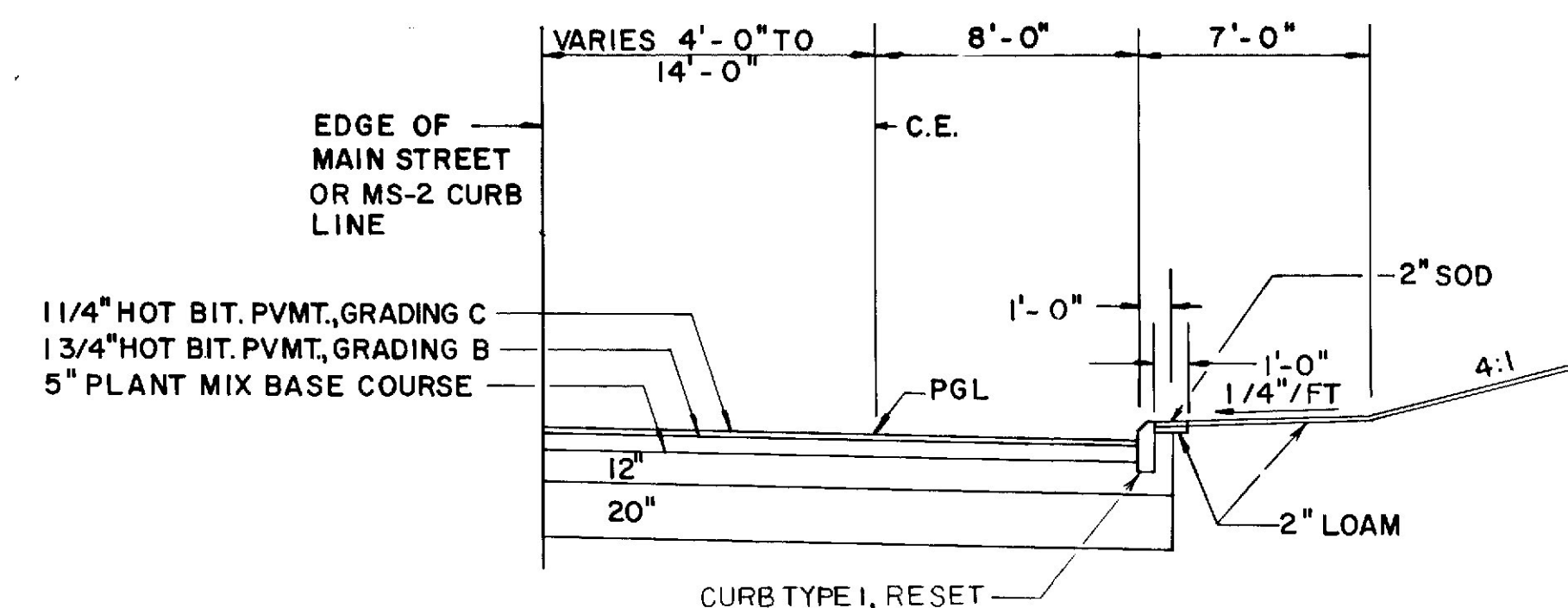
<u>24 FT PAVEMENT</u>		
12" AGGREGATE BASE COURSE, CR	105.08	CY/100 LF
20" SELECTED GRANULAR MATERIAL	166.67	CY/100 LF

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



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

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



	<u>4 FT SHOULDER HIGH SIDE</u>	<u>24 FT PAVEMENT</u>	<u>CURBED SHOULDER 2:1</u>
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

	<u>12 FT PAVEMENT</u>	<u>18 FT PAVEMENT</u>	<u>22 FT PAVEMENT</u>	<u>24 FT PAVEMENT</u>
AGGREGATE BASE COURSE, CR.	50.01 CY/100LF	72.24 CY/100 LF	87.05 CY/100 LF	9446 CY/100LF
SELECTED GRANULAR MATERIAL	80.25 CY/ 100LF	117.28 CY/100 LF	141.98 CY/100 LF	154.32 CY/100 LF

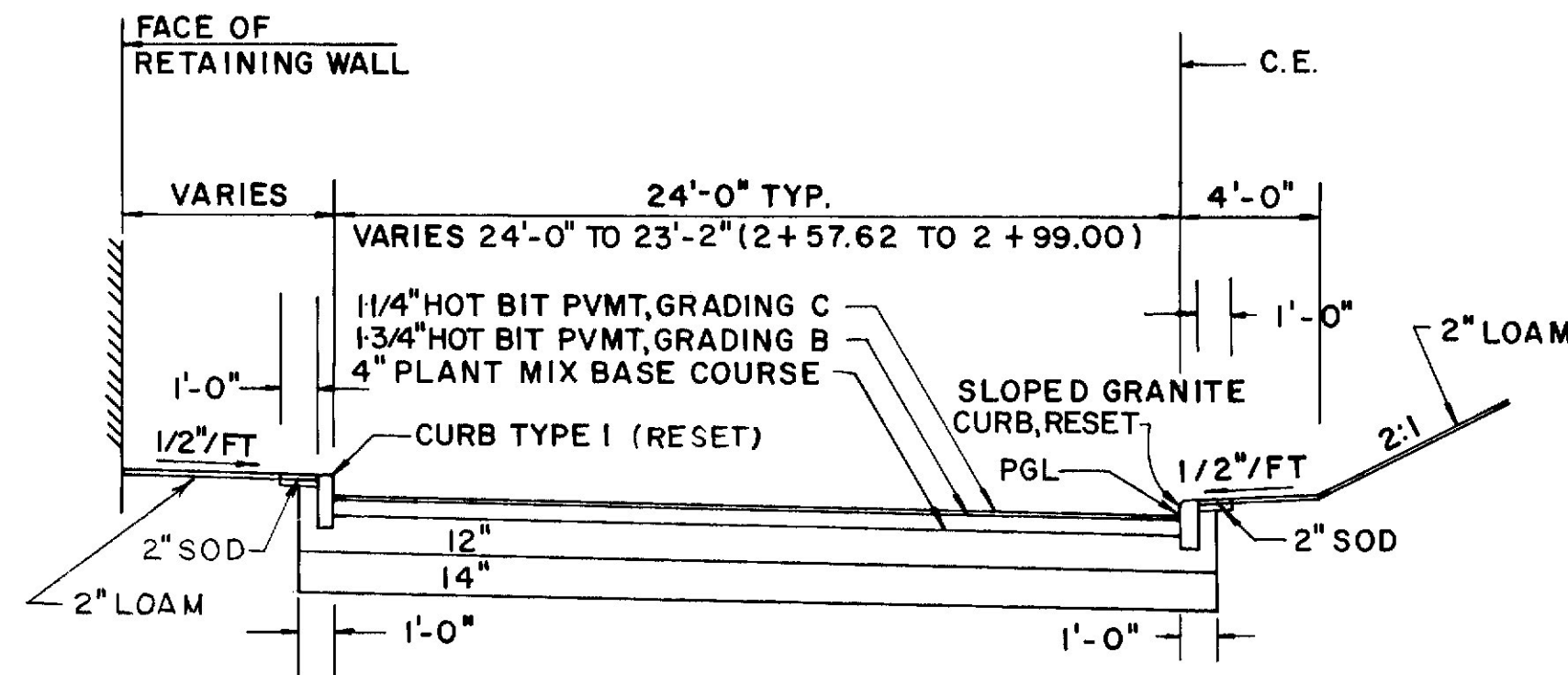
RAMP MS - 2 STA. 16+15 TO STA. 17+06.67

TYPICAL SECTIONS
RAMPS MS-2
MS-2A

TYPICALS AS CONSTRUCTED
P DUNN FEB 1987

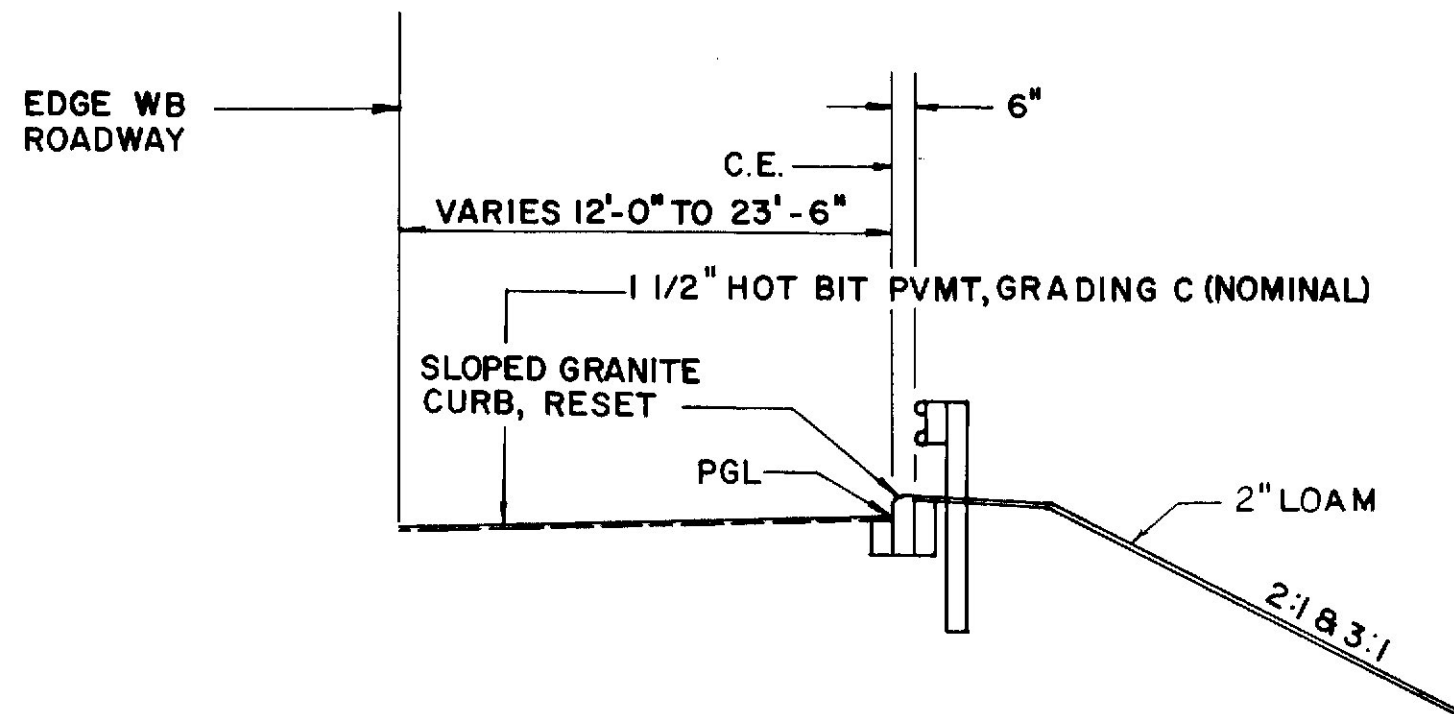
3" HOT BITUMINOUS PAVEMENT

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

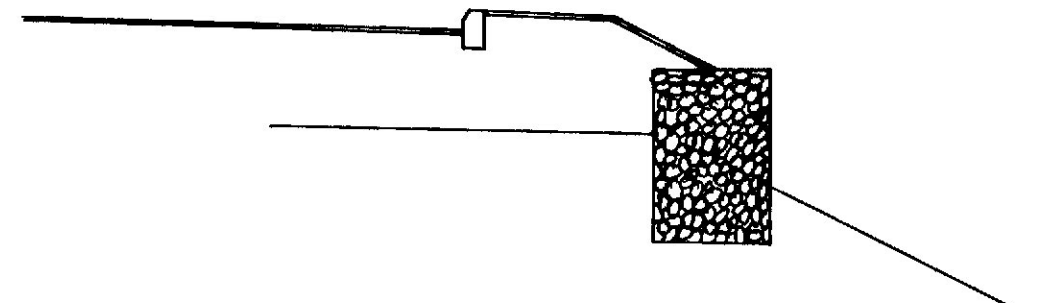


	23'-2" PAVEMENT	24 FT PAVEMENT
12" AGGREGATE BASE COURSE, CR	95.73 CY/100 LF	98.82 CY/100 LF
14" SELECTED GRANULAR MATERIAL	108.76 CY/100 LF	112.35 CY/100 LF

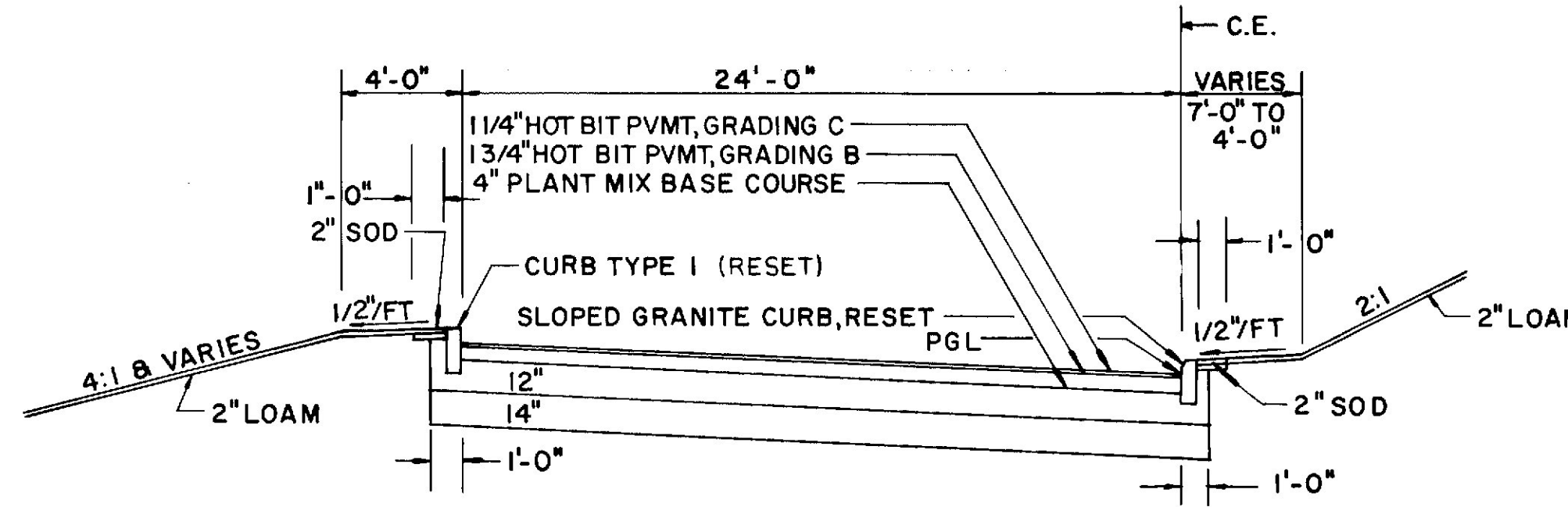
RAMP MS-3
STA. 1+75 TO STA. 2+99



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

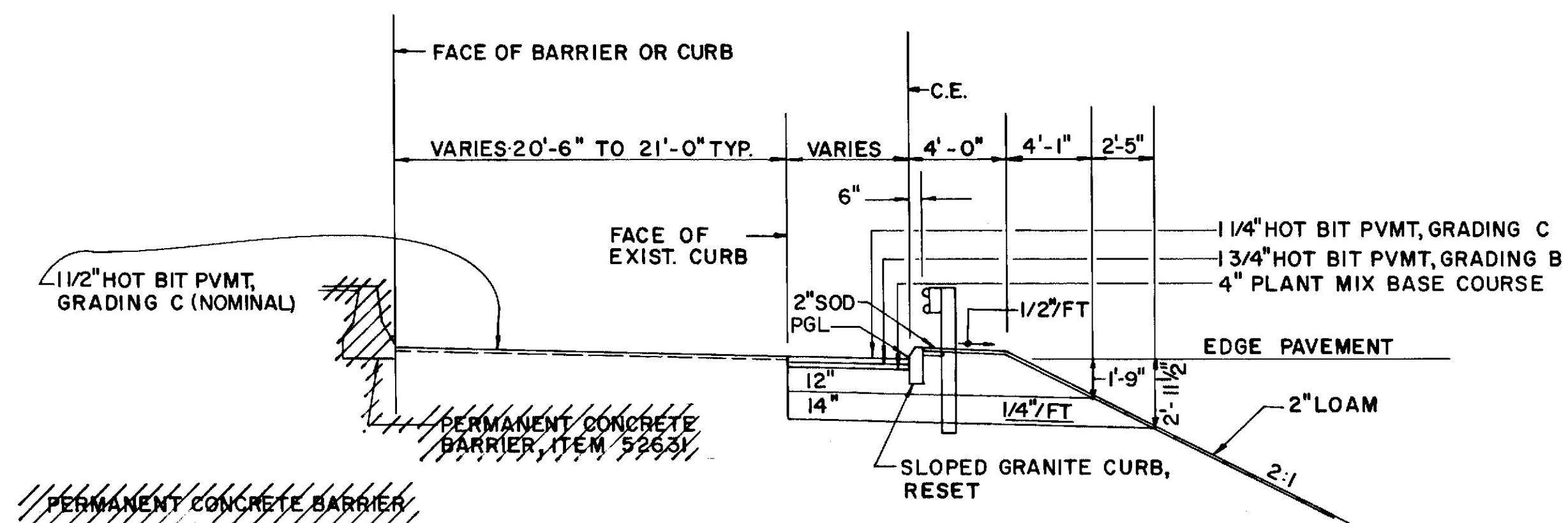


CURBED SHOULDER W/ GABION WALL
STA. 4+48 TO STA. 7+96
SEE SPECIAL DETAILS

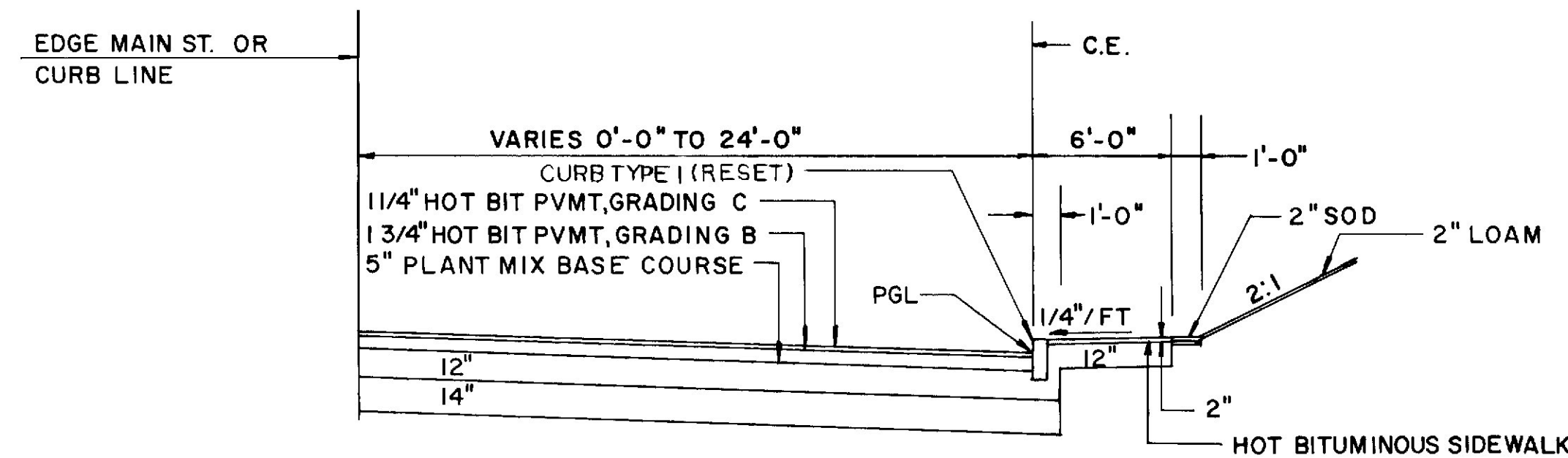


	24 FT PAVEMENT
12" AGGREGATE BASE COURSE, CR	98.82 CY/100 LF
14" SELECTED GRANULAR MATERIAL	112.35 CY/100 LF

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

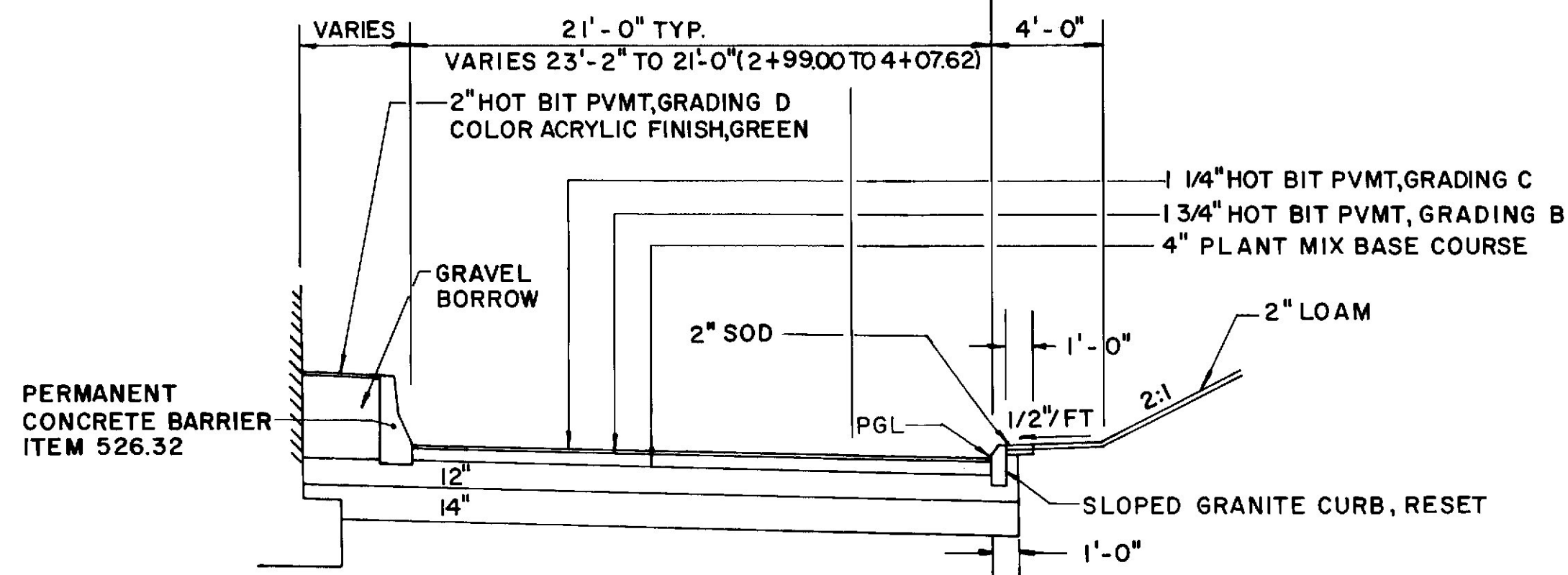


RAMP MS-3
STA. 4+07.62 TO STA. 9+49.26



	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

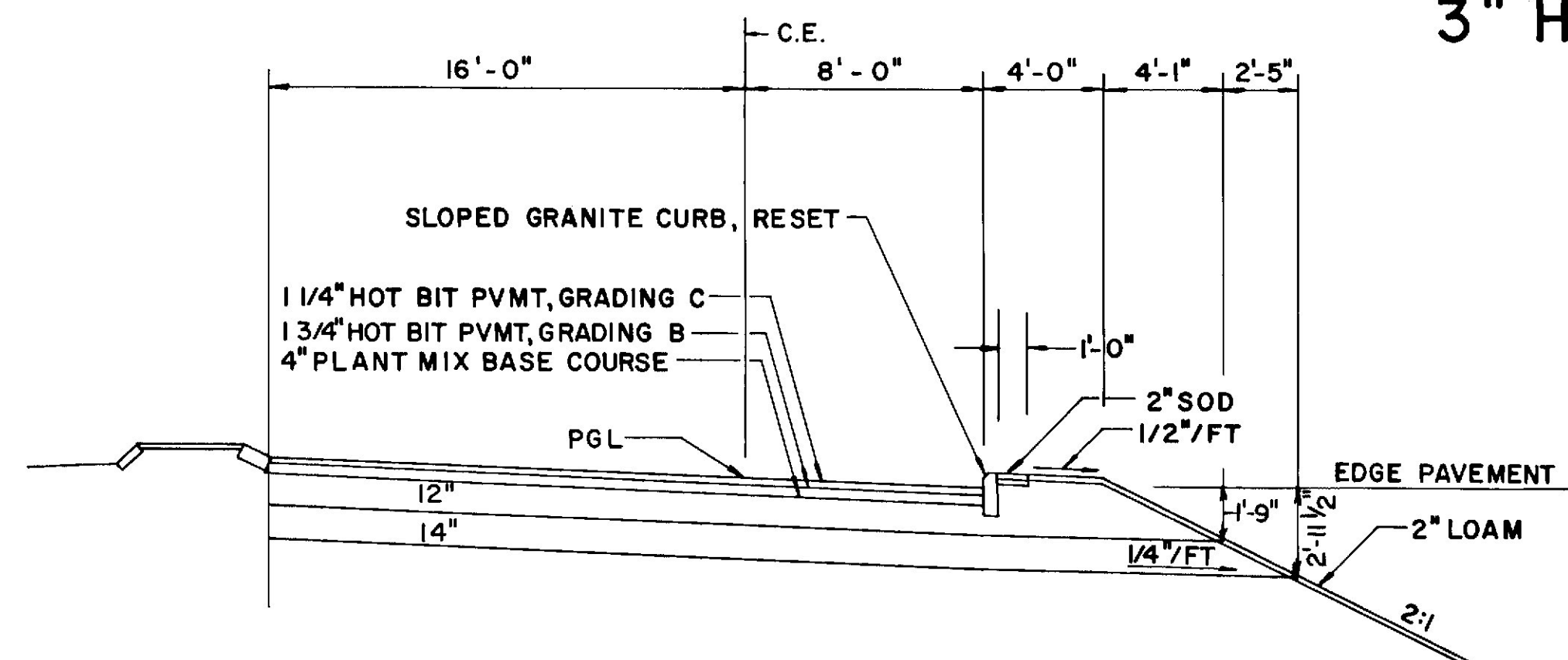
I-395

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

BRUNING 44-32 45710-1

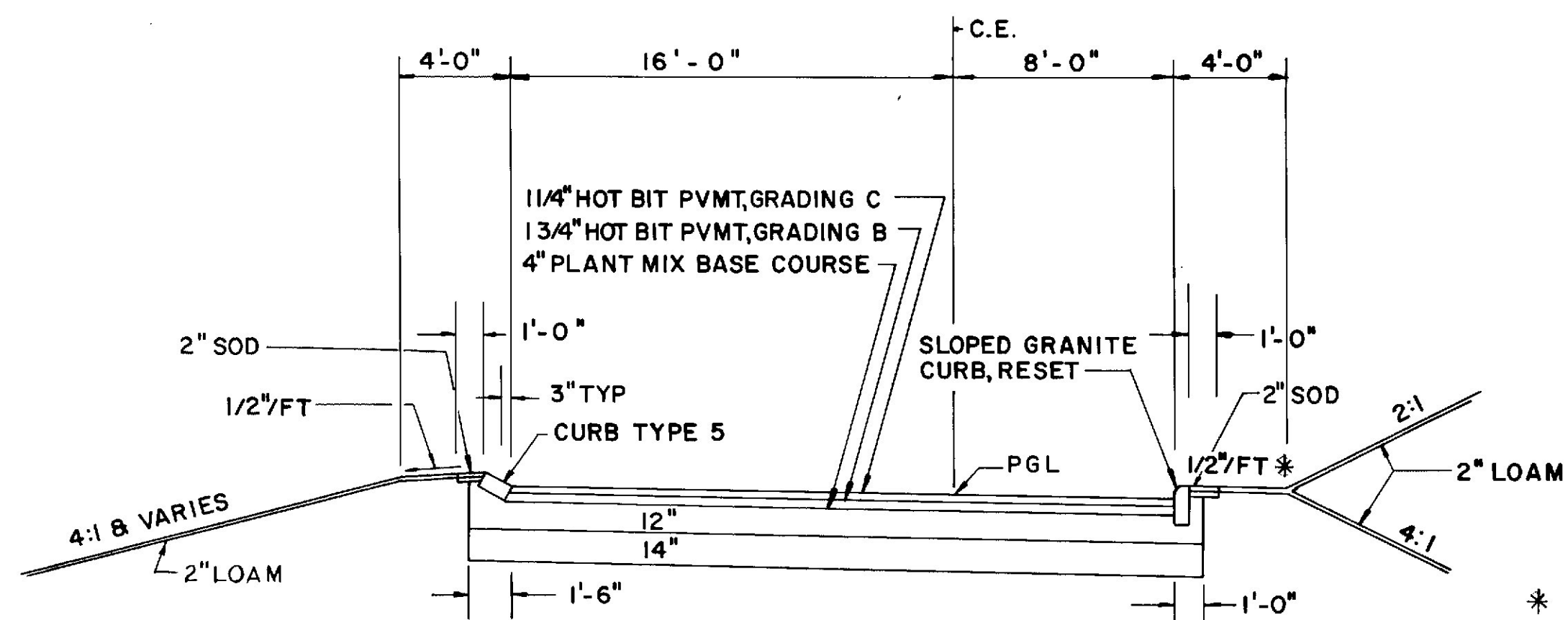
3" HOT BITUMINOUS PAVEMENT

F.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	395-8(88)	14	216



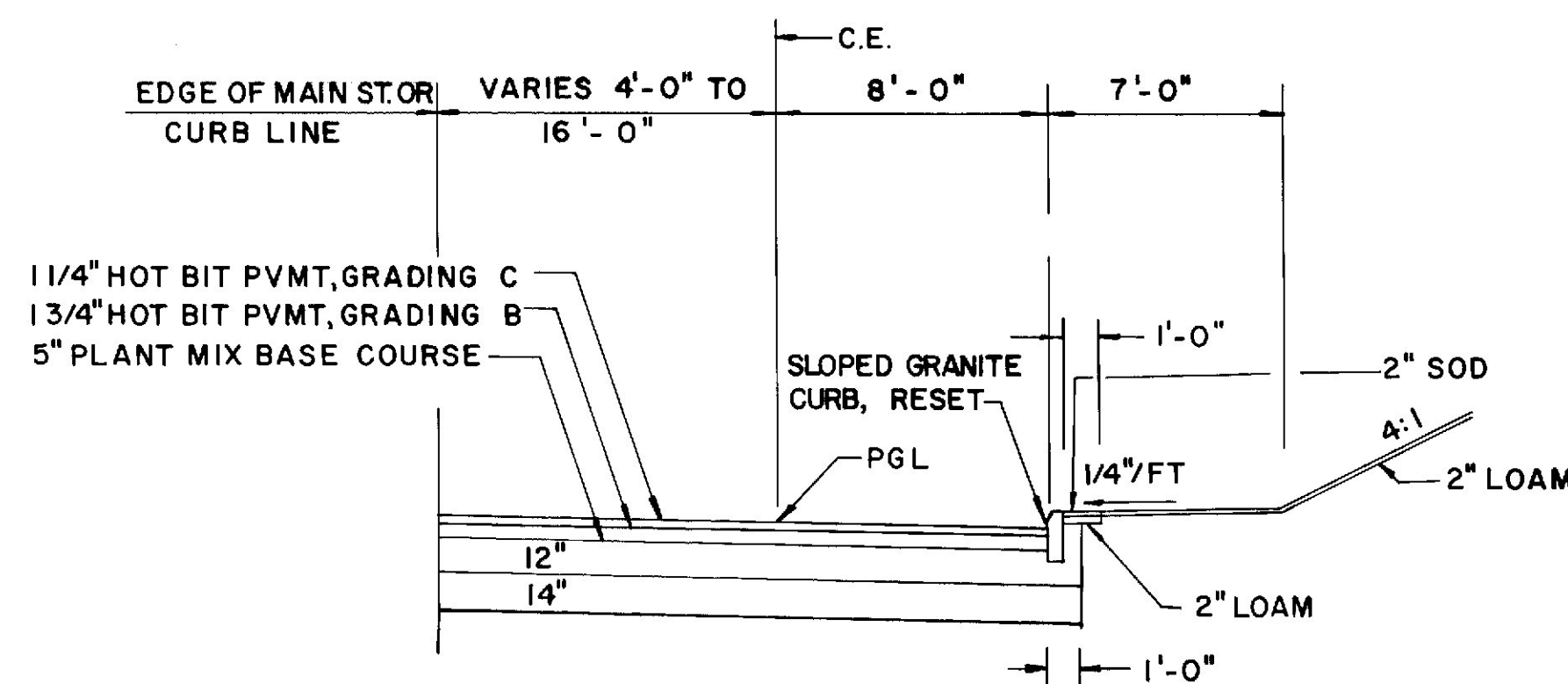
	24 FT PAVEMENT	CURBED SHOULDER 2:1
12" AGGREGATE BASE COURSE, CRUSHED	88.89 CY/100 LF	41.37 CY/100 LF
14" SELECTED GRANULAR MATERIAL	103.70 CY/100 LF	40.21 CY/100 LF

RAMP MS-4
STA. 9 + 43.64 TO STA. 11 + 91.41



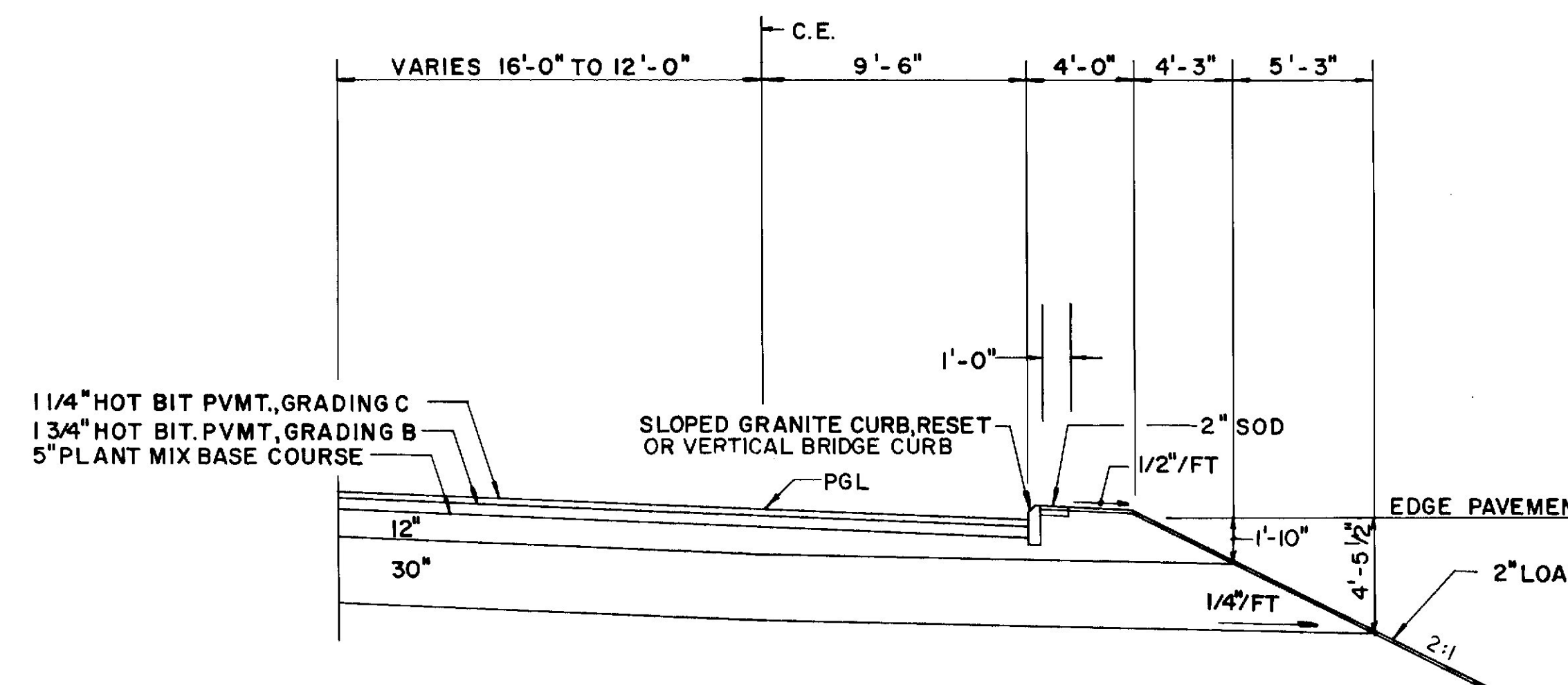
	24 FT PAVEMENT
12" AGGREGATE BASE COURSE, CR.	101.80 CY/100 LF
14" SELECTED GRANULAR MATERIAL	114.51 CY/100 LF

RAMP MS-4
STA. 7 + 38.66 TO STA. 9 + 43.64



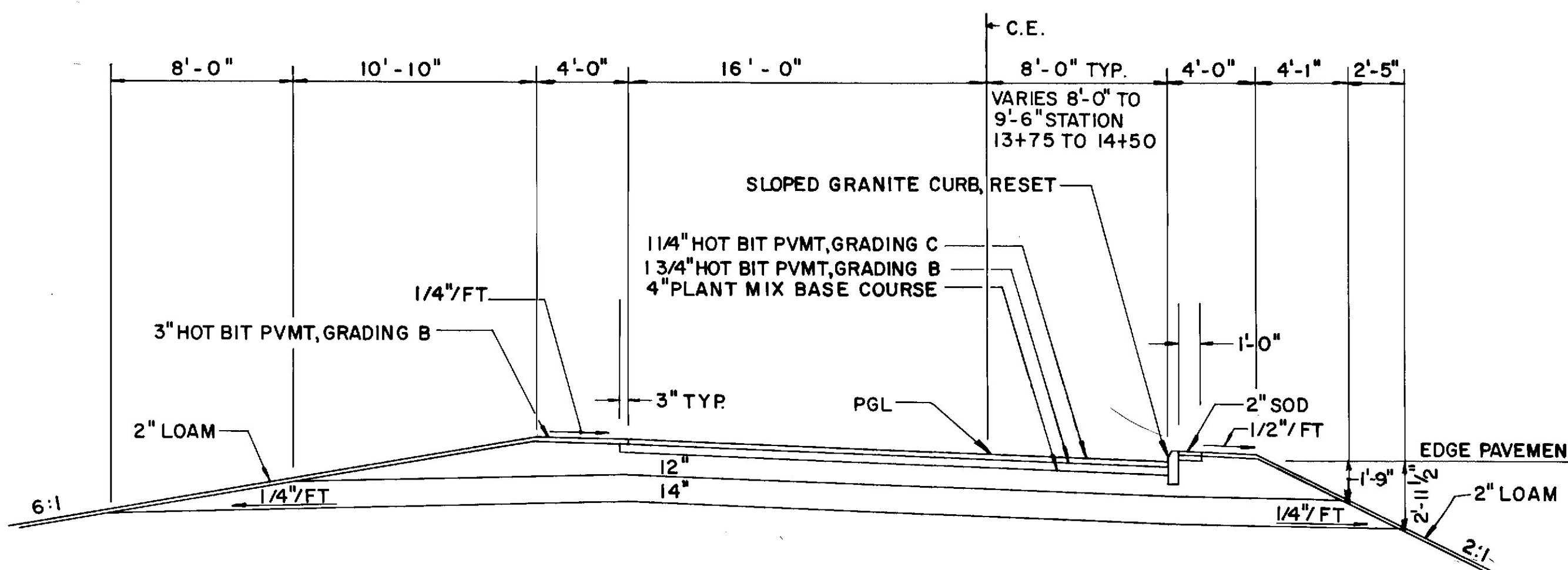
	12 FT PAVEMENT	24 FT PAVEMENT
12" AGGREGATE BASE COURSE, CR.	49.34 CY/100 LF	93.79 CY/100 LF
14" SELECTED GRANULAR MATERIAL	56.17 CY/100 LF	108.02 CY/100 LF

RAMP MS-4
STA. 6 + 56.33 TO STA. 7 + 38.66



	21'-6" PAVEMENT	25'-6" PAVEMENT	CURBED SHOULDER 2:1
12" AGGREGATE BASE COURSE, CR.	79.63 CY/100 LF	94.44 CY/100 LF	43.89 CY/100 LF
30" SELECTED GRANULAR MATERIAL	199.07 CY/100 LF	236.11 CY/100 LF	100.65 CY/100 LF

RAMP MS-4
STA. 14 + 41.55 TO STA. 15 + 05.70



	4 FT SHOULDER, HIGH SIDE	24 FT PAVEMENT	CURBED SHOULDER 2:1
12" AGGREGATE BASE COURSE, CR.	52.51 CY/100 LF	88.89 CY/100 LF	41.37 CY/100 LF
14" SELECTED GRANULAR MATERIAL	81.48 CY/100 LF	103.70 CY/100 LF	40.21 CY/100 LF

RAMP MS-4
STA. 11 + 91.41 TO STA. 14 + 41.55

- 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

RAMP MS-4
TYPICALS AS CONSTRUCTED
P DUNN FEB 1987

DRAINAGE

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' OUTLET			
																			B' LENGTH	C' SIZE		C' LENGTH
FARM ROAD																						
3+93L TO 6+43L																		250'				
3+96R TO 6+46R																		250'				
6+45 L										1/8												
6+48 R										1/8												
6+47L TO 7+38L																		12"	91			
7+40L													1/4									
7+42L TO 8+70L																		12"	128'			
6+50R TO 8+98R																		12"	249.33'			
8+72L										1/4												
9+00R										1/8												
10+00 RT.																		20'				
11+77L										1/4												
9+02R TO 11+98R																		12"	297.05'			
12+00R										1/8												
12+02R TO 13+03R																		15"	105.1'			
13+03L														1								
13+03L TO 13+05R	18"	50.5'	III																			
13+05R										1												
13+05R TO 45+33R MAIN ST	18"	62'	III																			
FR-1																						
2+58 TO 5+98																		340'				
6+00 L													1 1/2									
6+00 TO 149+24R I-395	12"	35.5'	III																			
																		2 3/4				
7+25, 3+R																						
7+25 TO 150+92R I-395 E.B													1 1/2								8"x80' PVC	
7+97																						
7+99 TO 9+63																		160'				
7+97 TO 8+28L FR-3	15"	117.5'	III																			
8+02R													1 1/2									
8+02R TO 9+65	12"	148.5'	III																			
9+65													1									
9+65 TO 8+00FR-3	15"	88'	III																			
9+67 TO 11+27																		160'				
FR-3																						
9+54 TO 155+68 TOE I-395 E.B.	21"	162.5'	III																			
9+54													1 3/4									
8+00 TO 8+28L	15"	88'	III																			
8+28L TO 9+54	21"	168'	III																			
8+00													1 1/4									
8+28L													1									
2+09 TO 5+03																		12'	294'			
5+07 TO 7+98																		294'				
0+94 TO 2+05																		15'	110'			
0+68 TO 0+90																		24'	29.5'			
0+9=L										1												
0+92 TO 13+05" FARM RD.	18"	64'	III																			
I-395 E.B.																						
146+65 LT																						
155+68 EB RT													1 3/4					1 1/2				
155+68 RT TOE													1 1/2									
155+68 TOE TO 157+00R	24"	130.25'	III																			
157+00R TO 157+75R	24"	72'	III																			
157+00RT TOE																		1 1/2				
155+68 MED													1 1/2									
157+75R TO 48+25L MAIN ST	24"	20'	III																			

DRAINAGE CONT'D.

STATION	RCP			BCCMP		CMP			CATCH BASINS								MAN HOLE	UNDERDRAINS				REMARKS
	SIZE	LENGTH	CLASS	SIZE	LENGTH	SIZE	LENGTH	G A	A1	A1-C	A5	A6	B1	B1-C	B2	F6		B	C	OUTLET		
																				LENGTH	SIZE	
I-395																						
145+70R	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+22R TO 149+22R																	100'					
149+24R													1 1/8									
151+05 LT																					Adj. grade to grade	
149+52 TO 152+48																		18"	296'		Rebuild manhole 80' RT EASTBOUND	
150+92 RT																						
152+50 TO 152+50R	18"	37.7'	III										1 1/2									
152+50 EB RT																						
152+50R TO 152+50 MALL	18"	6'	III																			
149+48 R TO 152+48 R													1 1/2				300'					
152+50 MALL																						
152+50 MALL TO 8+28L FR-3	18"	63'	III										1 1/2									
152+50 MED																						
152+50 WB LT													1									
152+50L TO 152+50	12"	43'	III																			
157+30 TO 155+70 WB LT																		12"	155.5'			
152+69 TO 155+56 WB LT																		287'				
153+98 TO 155+66 MED																		168'				
155+58 WB LT													1 1/2									
155+58L TO 155+68L	12"	6.3'	III																			
157+24 WB LT													1 1/4									
157+00 M TO 155+70 M																		130'				
152+56R TO 155+56R																		300'				
155+58 RT																						
155+58R TO 155+68R	12"	6'	III										1 1/2									
156+25 EB RT																	3				REMOVE EXIST. MH AND CONSTRUCT NEW 5' DIA.	
157+30M TO 157+36R	12"	35.8'	III																			
157+30 M													1 1/2									
157+36R													1 1/4									
157+37 MALL TO 157+36R	12"	7.2'	III																			
157+37 MALL													1 1/4									
157+37 TO 155+70 EB RT																		12"	164'			
155+68 CD Rd LT													1 1/2									
155+68L TO 155+68M	12"	46'	III																			
155+68M TO 155+68R	12"	35'	III																			
155+68R TO 155+68 MALL	12"	6'	III																			
155+68 MALL TO 155+68 *	12"	64'	III																		* TOE OF SLOPE	
159+10 CD Rd LT																						
159+06 MALL TO 159+09.5R	12"	7.5'	III										1									
159+09 R																						
159+09.5 R TO 159+04 M	12"	36'	III																			
159+04 M													1									

DRAINAGE CONT'D.

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

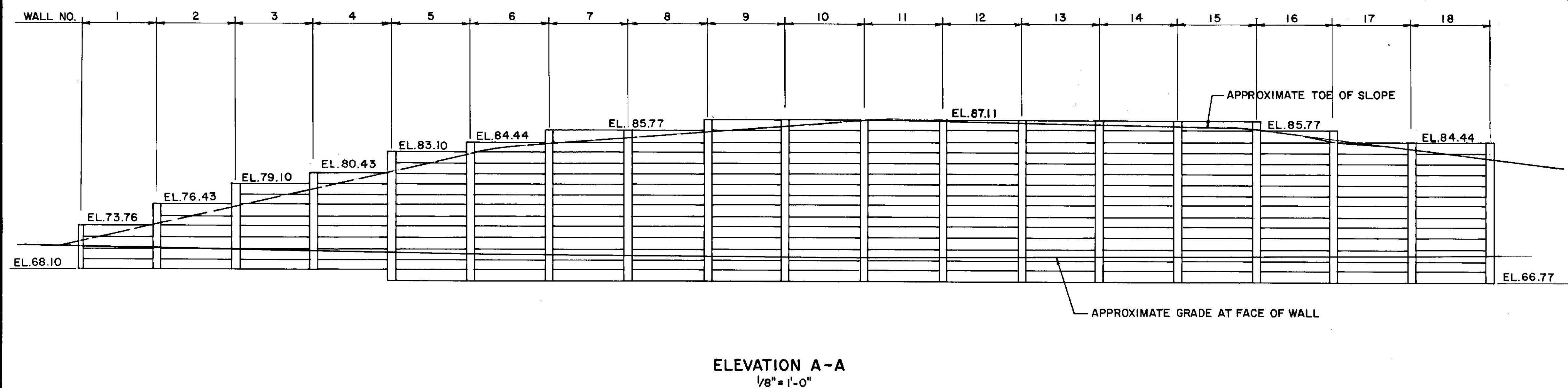
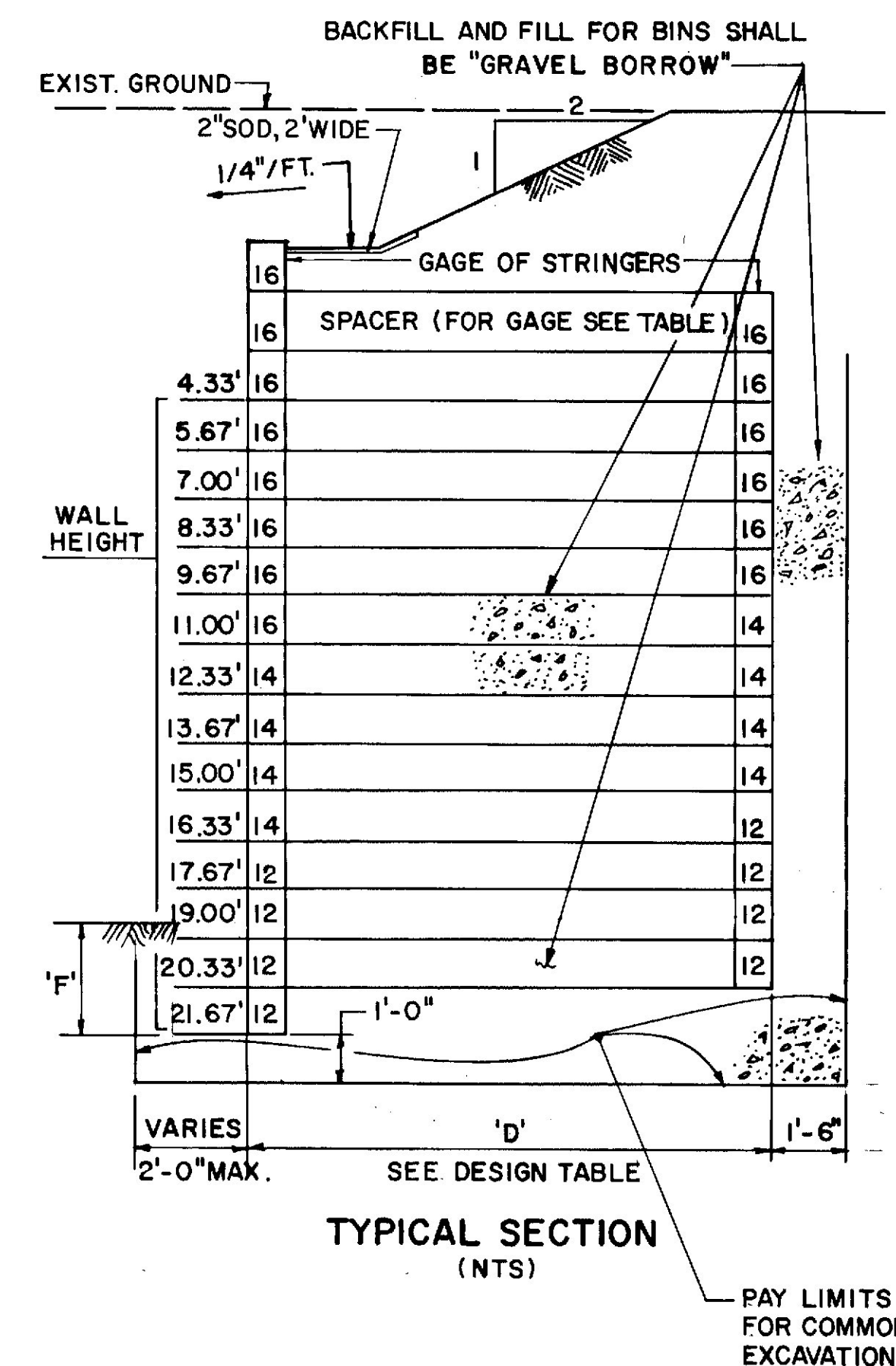
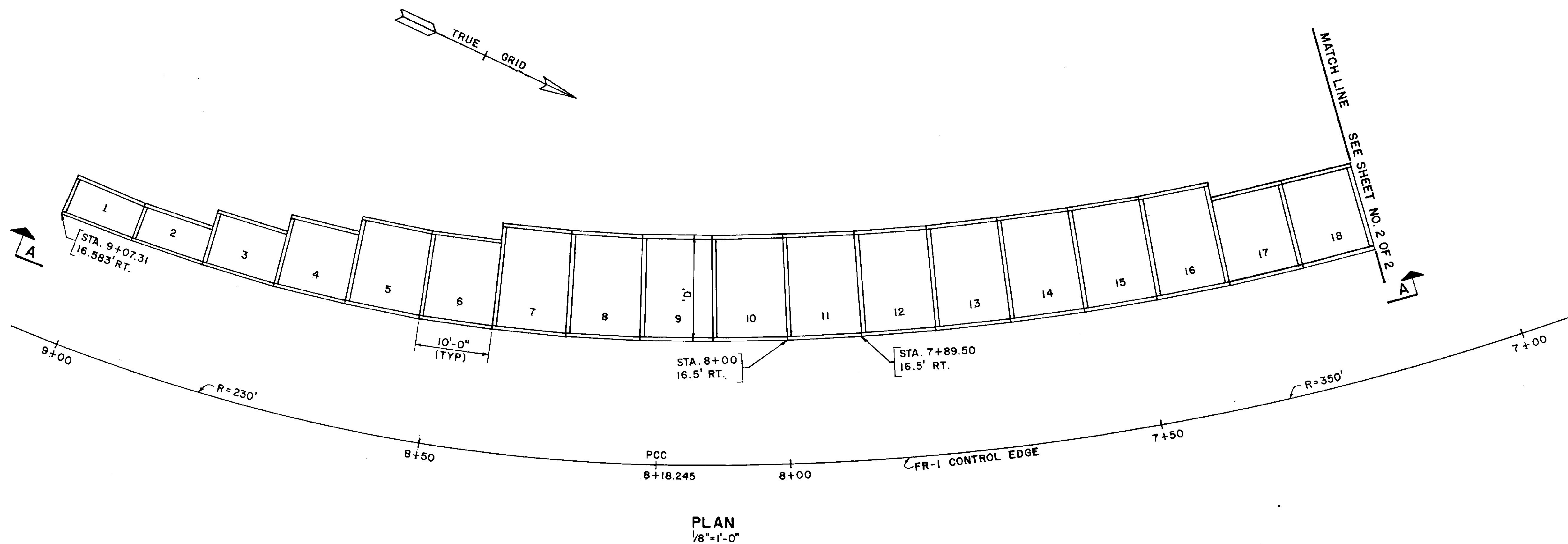
10-11-12

[illegible]

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

REVISED AS BUILT
D. J. A. 2-26-81

P.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEET
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

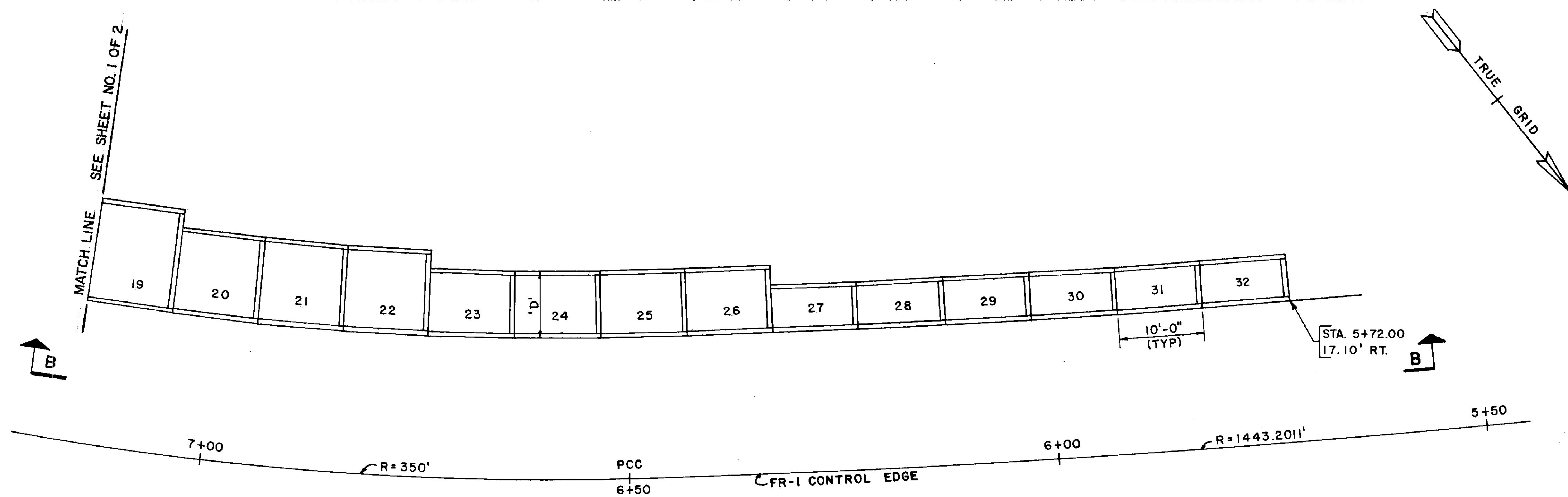
SPECIAL DETAIL
METAL BIN WALL
AT RAMP FR-1

SHEET 1 OF 2 AUGUSTA, MAINE

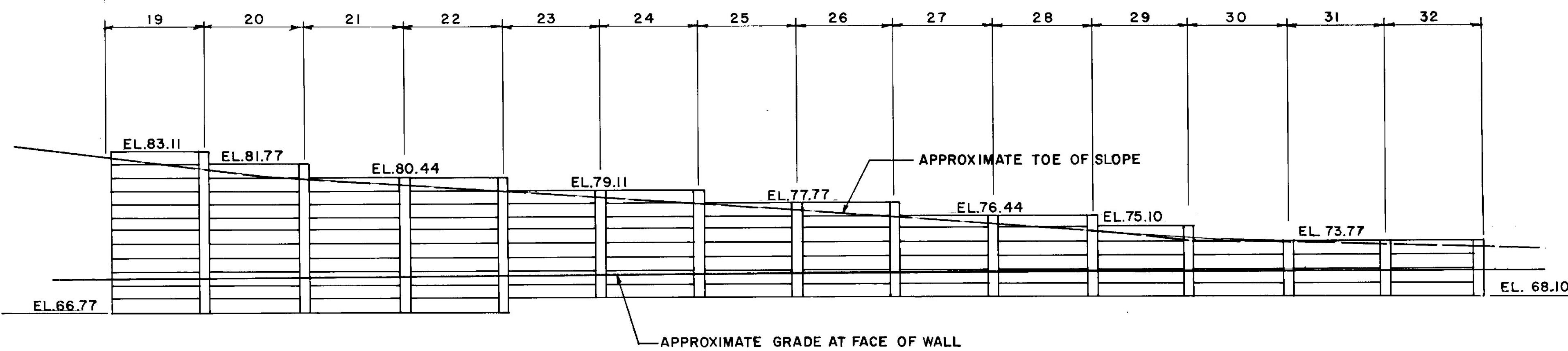
BANGOR **I-395**

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

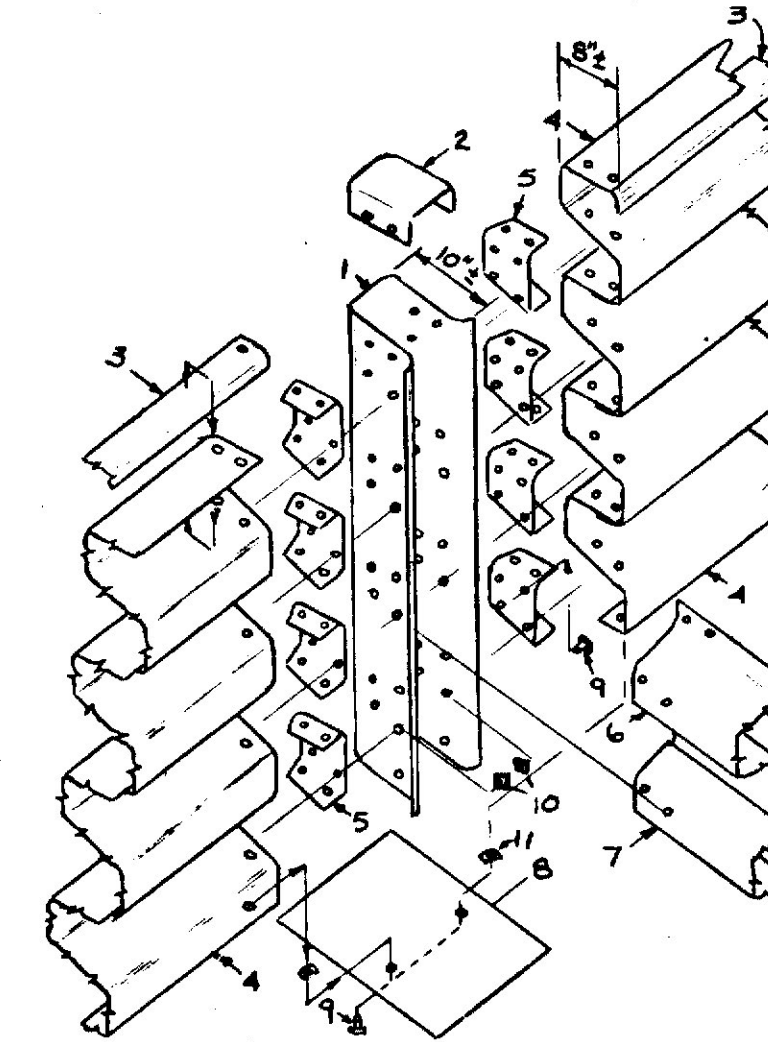
IRUNING 44-132 45710-1



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.

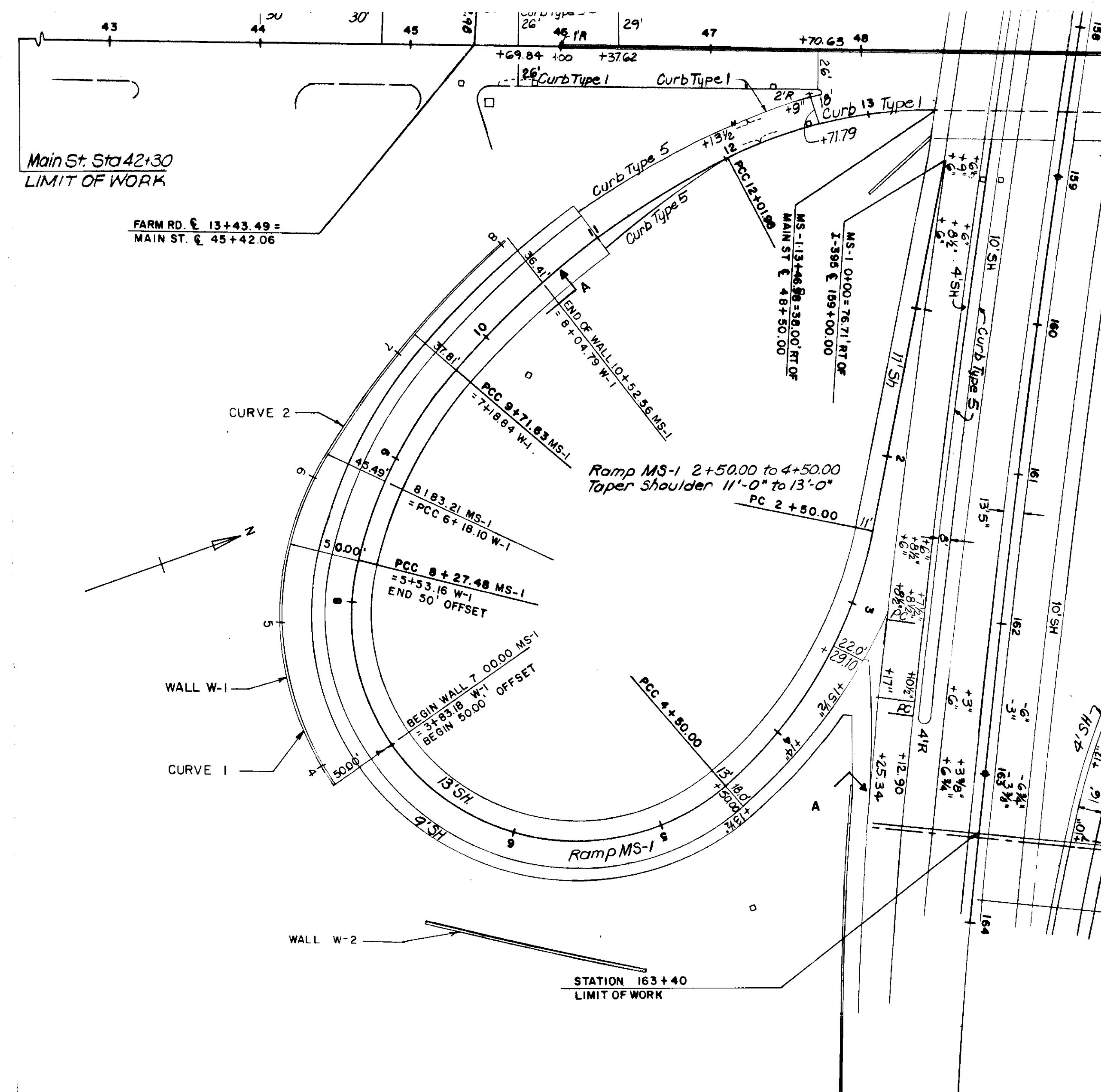
<u>DESIGN TABLE</u>				
<u>(Type 1 Bin Wall)</u>				
<u>SHORT STRINGER</u>				
<u>(ON BACK)</u>				
<u>WALL NO.</u>	<u>TYPE</u>	<u>LENGTH (Inches)</u>	<u>'D'</u>	<u>'SPACER GAGE</u>
1	Special Bin Type A	116 5/8	5.5'	16
2	Special Bin Type A	116 5/8	5.5'	16
3	Special Bin Type B	115 7/16	7.7'	16
4	Special 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

<u>PARTS LIST</u>			
<u>UNIT</u>	<u>NAME</u>	<u>QAGE</u>	<u>DESCRIPTION</u>
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 8	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	1	Installation plate on which the column rests
*	Column Splice	10	Connects columns for higher walls
*	Split Column	8	Connects rear stringer of thinner wall to spacers of thicker wall
9	1/4"-5/8" Bolts		
10	5/8" Nuts		
11	5/8" Spring Nuts		
* Not Shown			

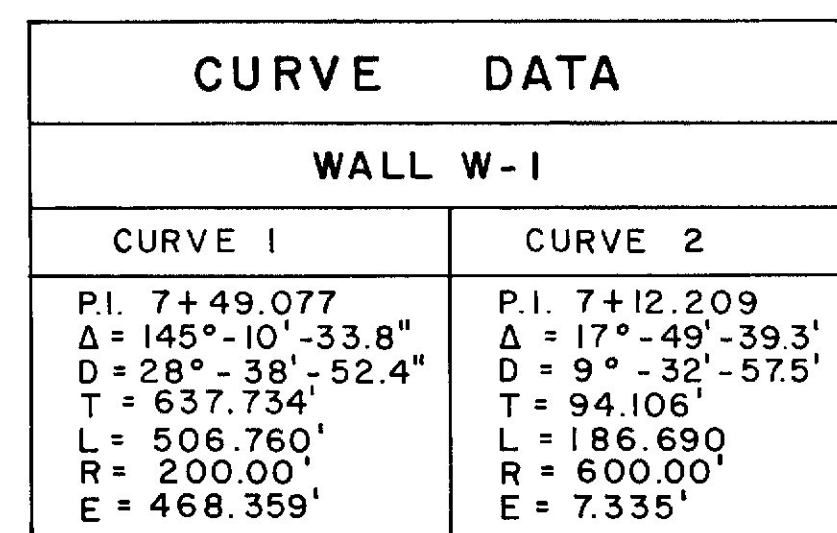
METAL BIN WALL REPLACED BY
RETAINED EARTH WALL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SPECIAL DETAIL
METAL BIN WALL
AT RAMP FR-1



RETAINING WALL LAYOUT PLAN

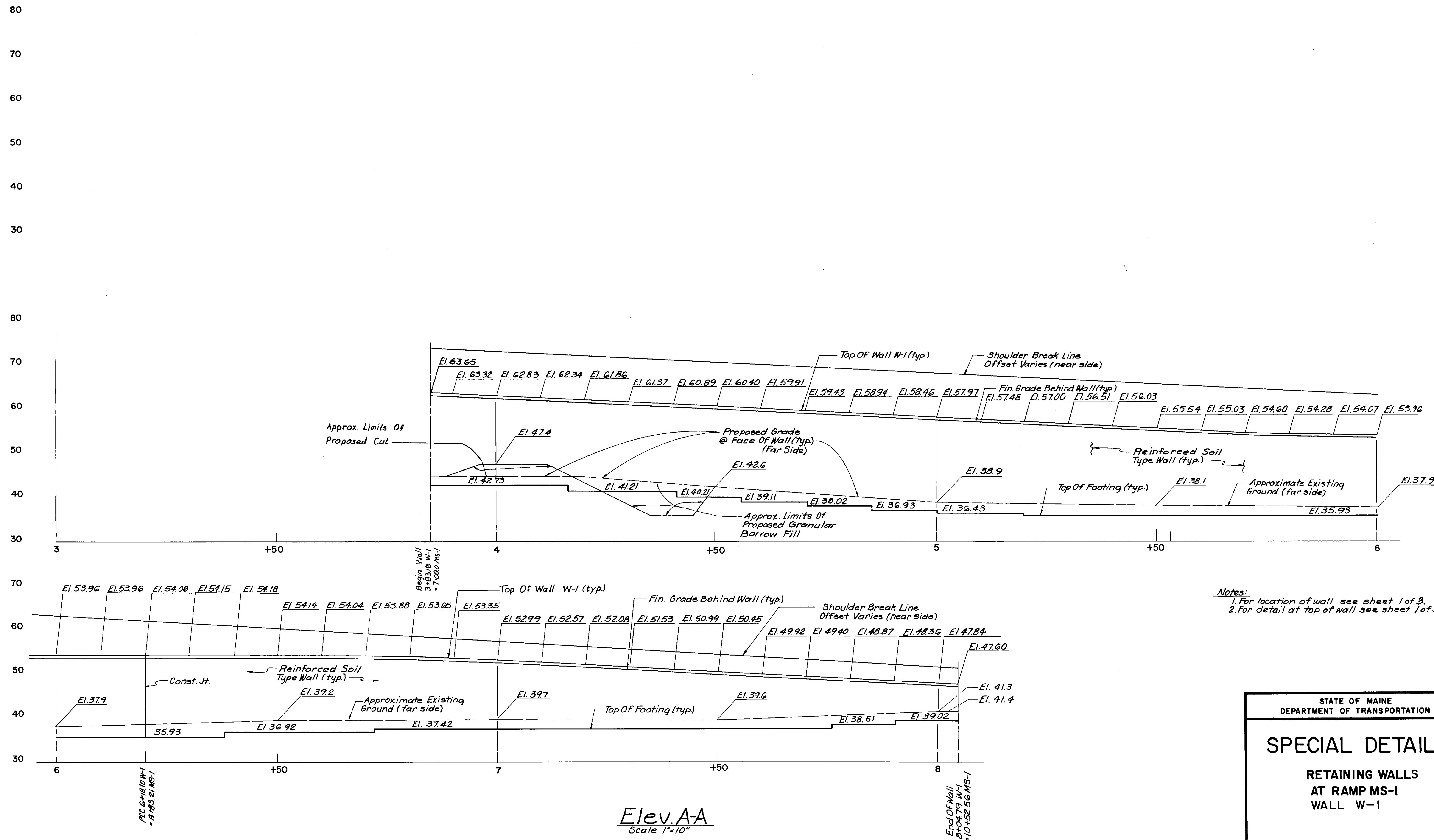


1. ALL OFFSETS TO REINFORCED SOIL WALL ARE RADIAL FROM STA. LINE MS-1 TO THE OUTSIDE FACE OF WALL.

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

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

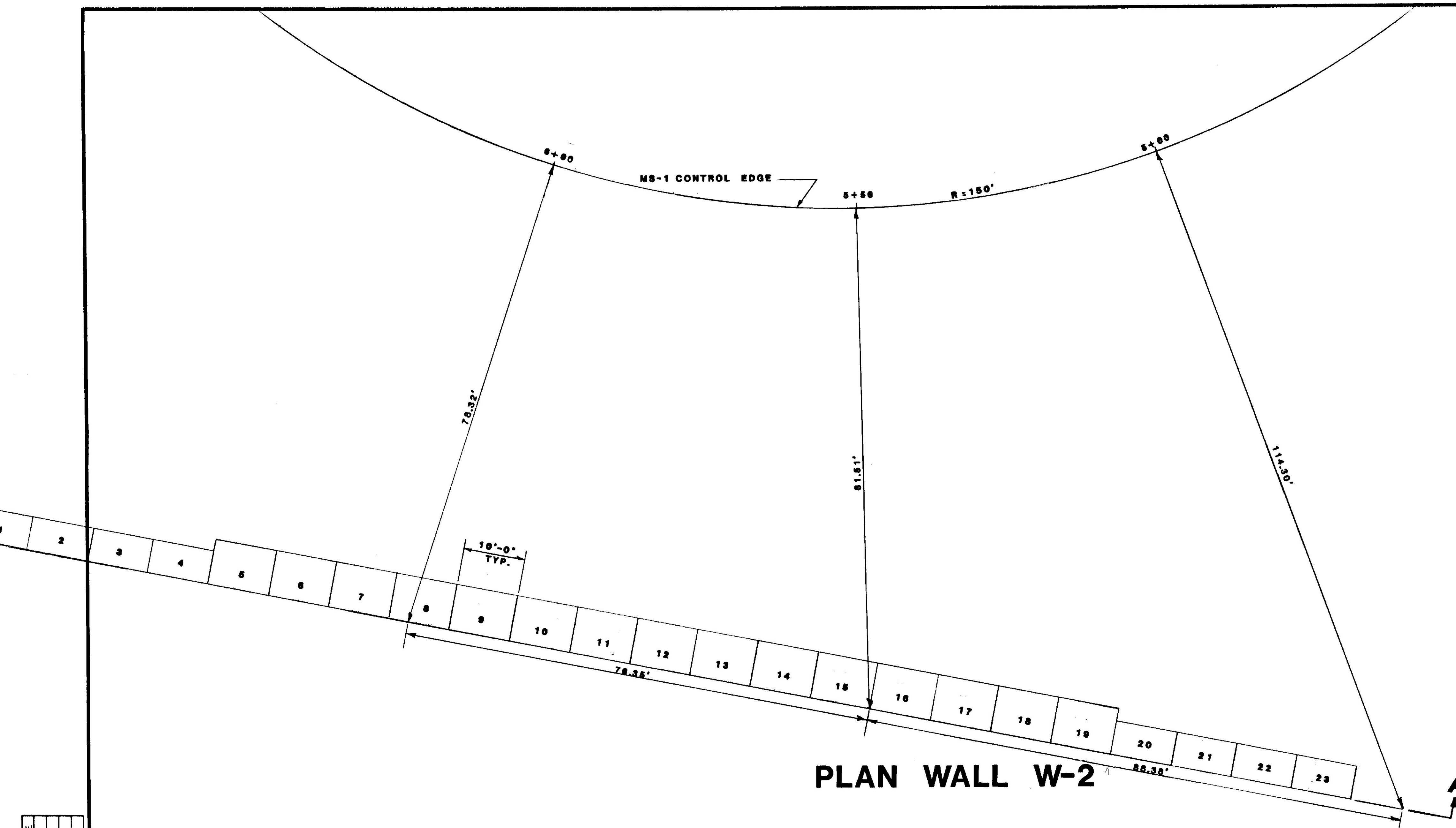
**SPECIAL DETAIL
RETAINING WALLS
AT RAMP MS-1**



Notes:
1. For location of wall see sheet 1 of 3.
2. For detail at top of wall see sheet 1 of 3.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
SPECIAL DETAIL	
RETAINING WALLS AT RAMP MS-1 WALL W-1	
SHEET 2 OF 3	AUGUSTA, MAINE

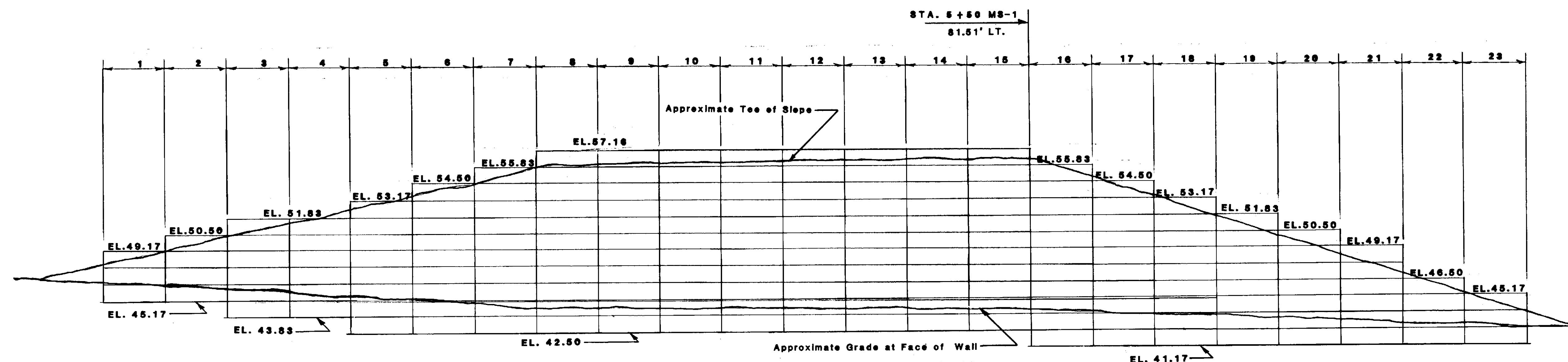
PROJECT DESIGN ENGINEER
BY
DATE
DESIGN - DETAILED
CHECKED
REVISIONS
FIELD CHANGES
PLANS



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.



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		