

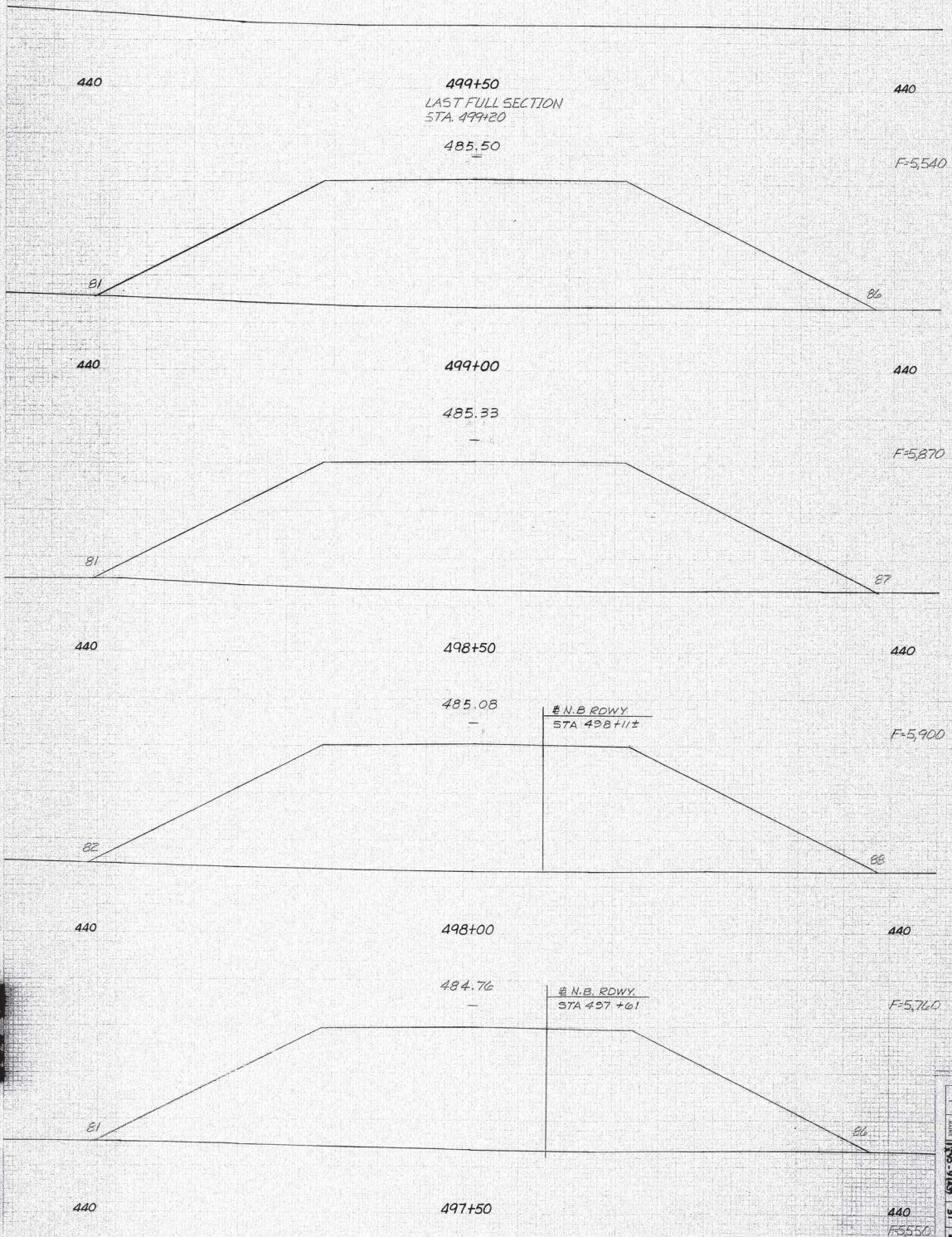
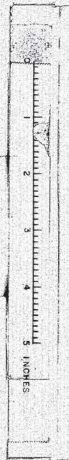
943

SHC
JAN 1964
JAN 1964
JAN 1964

STA. 499+751
C-SECTION

STRUCTURE

485.59



497+50 499+50

943

SHC 3-44
JAW 1000 7-44
SFC 1000 7-44
JAW 1000 7-44

485.38

STRUCTURE
FIRST FULL SECTION
STA 501+25

440

501+00

440

F=3820
C=68
M=6

STRUCTURE

MUCK EXCAVATION STA.
500+80± TO STA 504+00±

440

500+83

440

STRUCTURE

STA 500+70
D-SECTION

450

500+60

450

STRUCTURE

440

500+27

440

STRUCTURE

485.60

450

500+00

450



1/2" = 10' 0"

(43)

DATE	10/1/44
BY	JAW
CHECKED	SHC
APPROVED	
SCALE	1/2" = 10' 0"
PROJECT	
SHEET	32
TOTAL	127

500+00 501+00

943

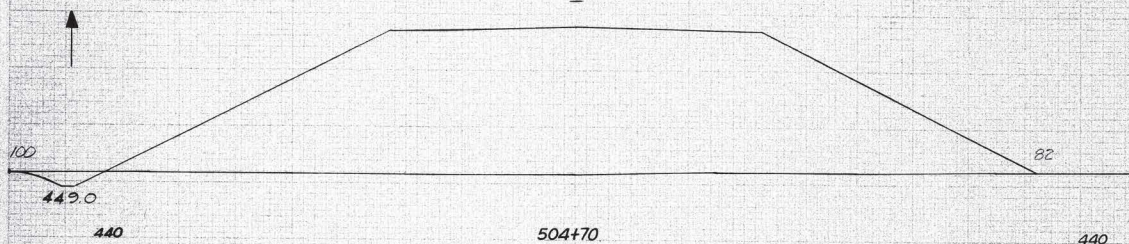
546
JAW 1000 3-64
JAW 1000 3-64
JAW 1000 3-64

STA 505+55
D-SECTION

F=5.810
C=39

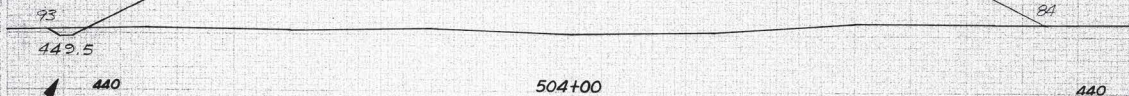
LAST FULL SECTION
STA 504+90

TO FISH STREAM.



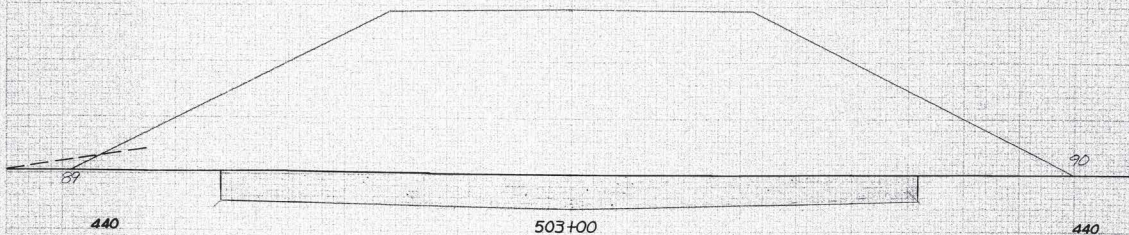
482.99

F=8.100
C=35



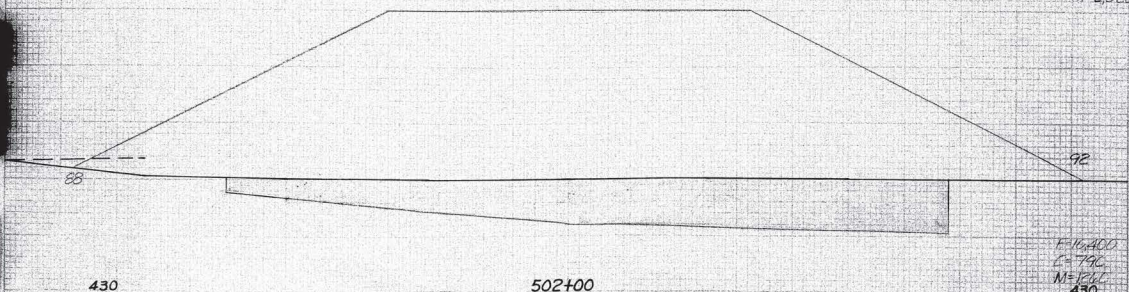
484.00

F=12.600
C=716
M=570



484.85

F=13.500
C=940
M=2020

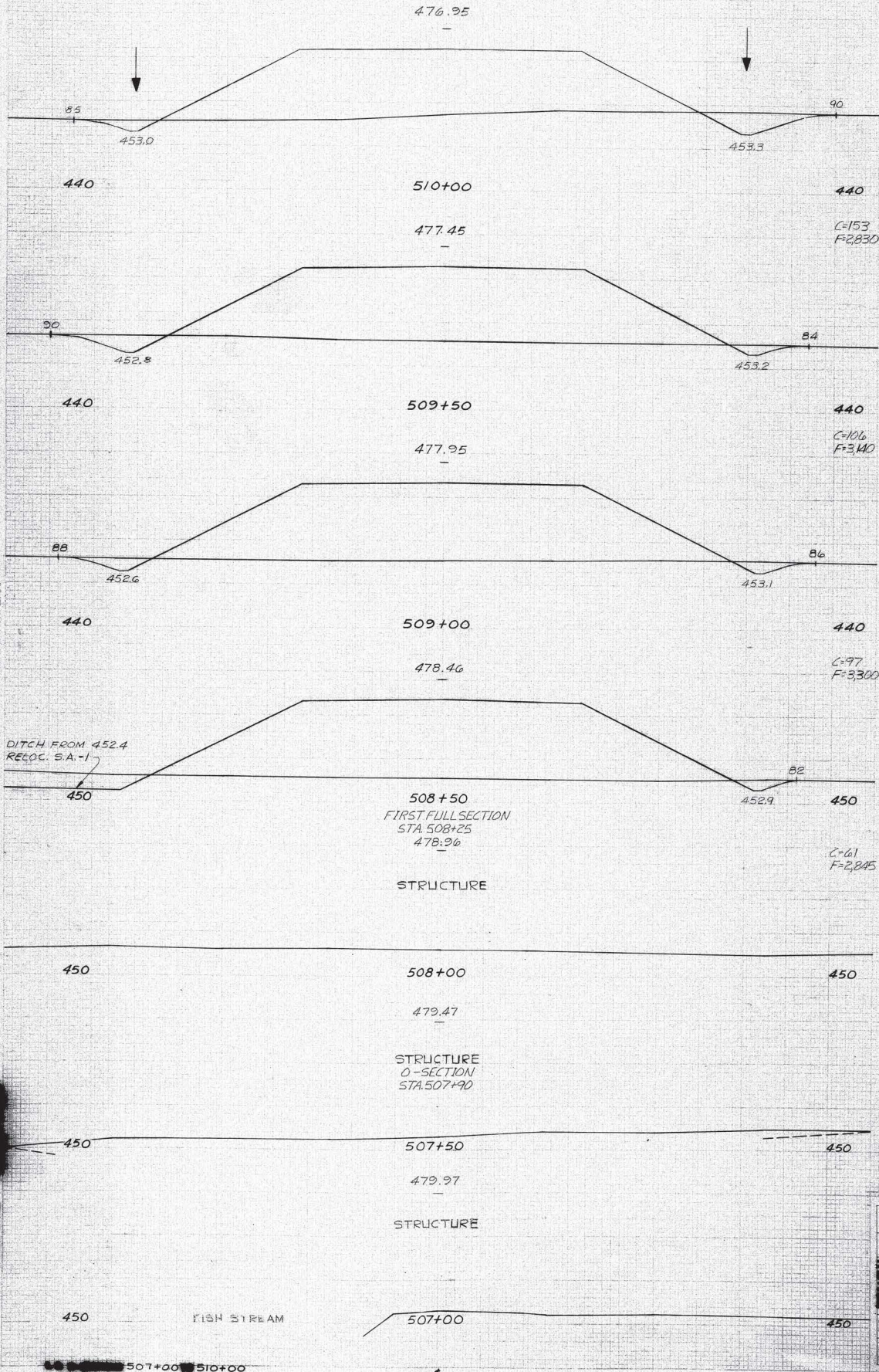


F=16.400
C=790
M=2020
430

502+00 TO 504+70

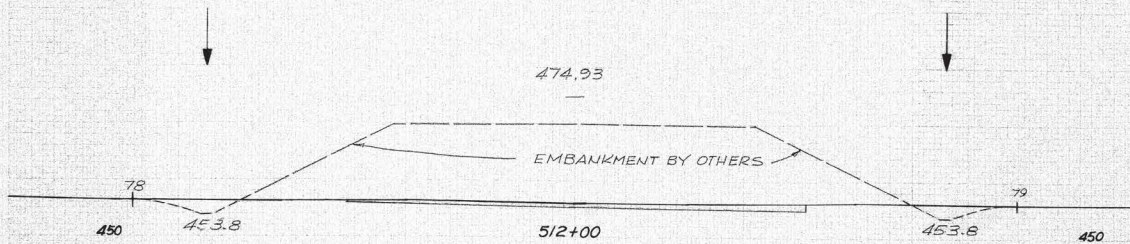
943

S.H.C. 8-24
JAW 1-000 7-24
2-27 1-24
JAW 2-25

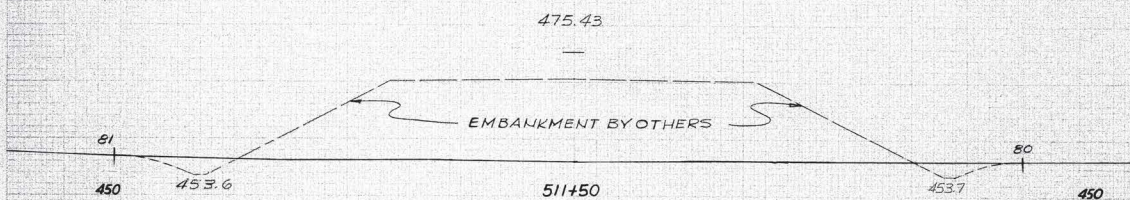


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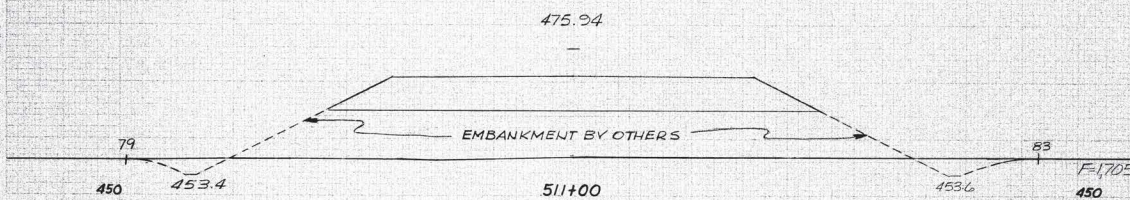
546 1000 3:54
 546 1000 3:54
 546 1000 3:54



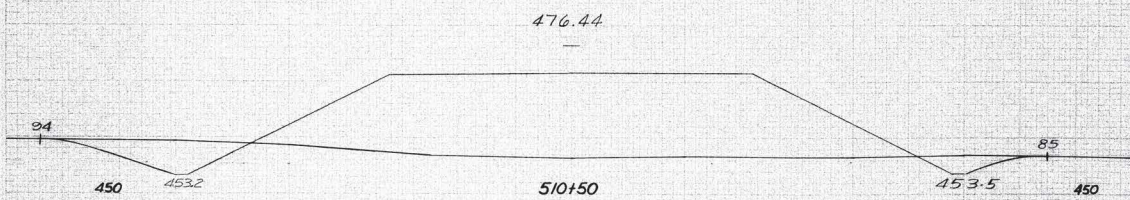
STA 511+66.00
 END PROJECT I-16-95-9(43)
 BEGIN PROJECT I-95-9(37)
 LIMIT OF WORK



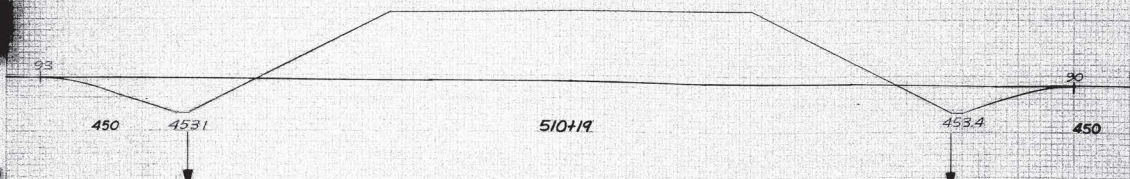
F=320



F=1705
 450



C=190
 F=1430



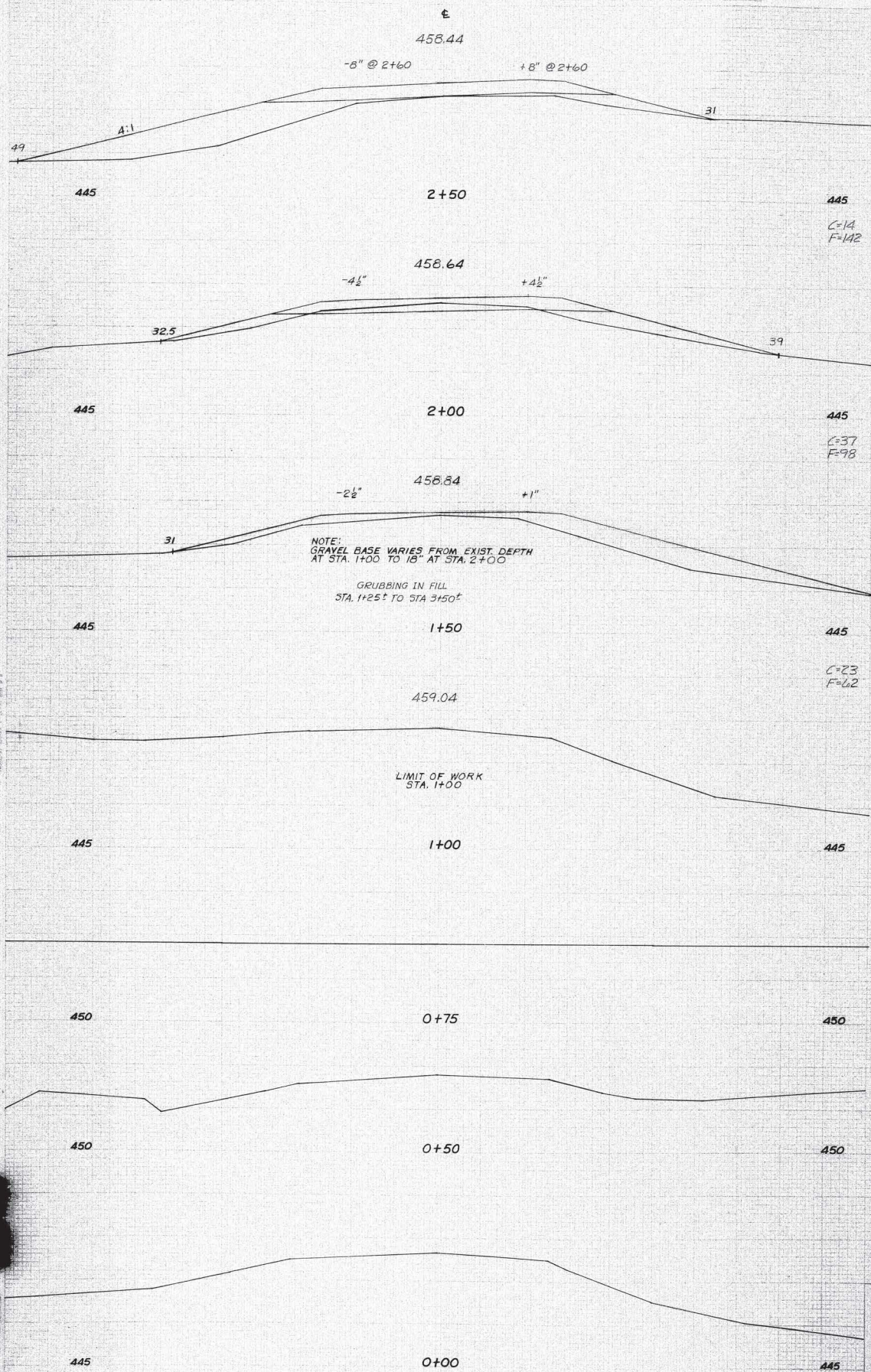
C=102
 F=900

510+19 TO 512+00

DATE	BY	CHECKED	APPROVED
11/11/95	J. L. H.	J. L. H.	J. L. H.
11/11/95	J. L. H.	J. L. H.	J. L. H.
11/11/95	J. L. H.	J. L. H.	J. L. H.

243

DESIGNED BY: C. E. A. 1-65
 CHECKED BY: J. W. 1-65
 DATE: 1-65



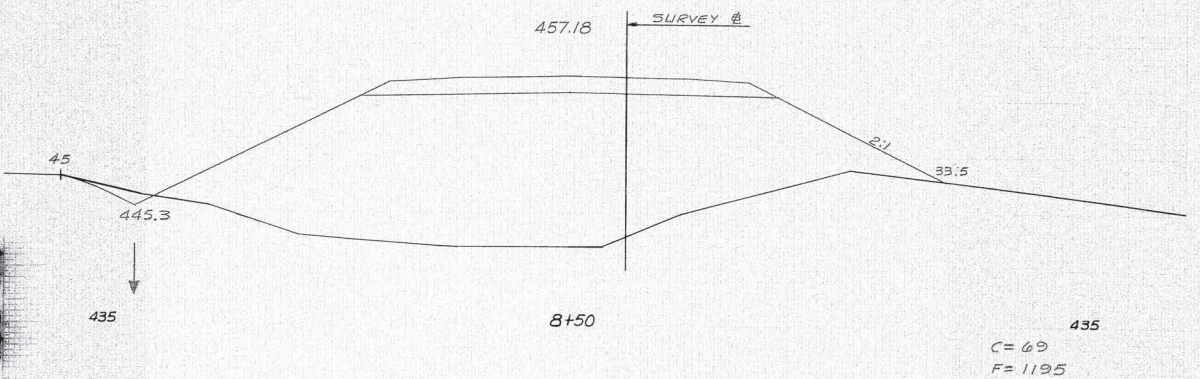
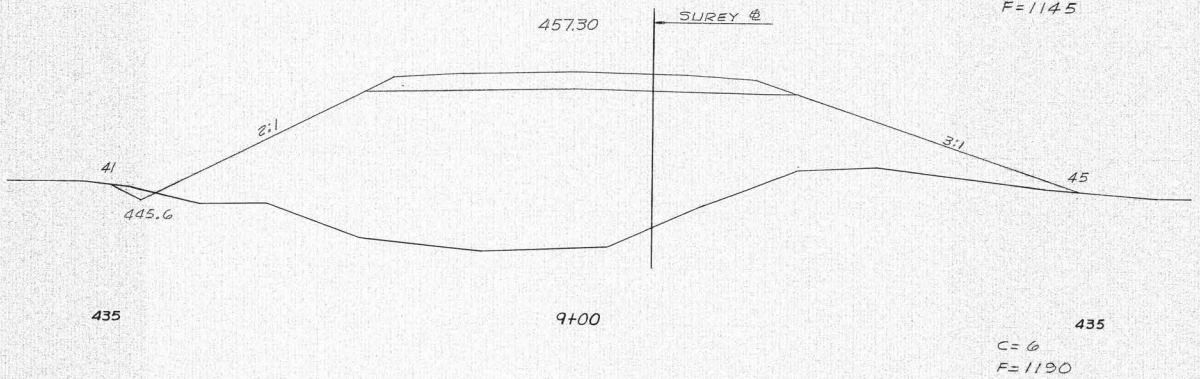
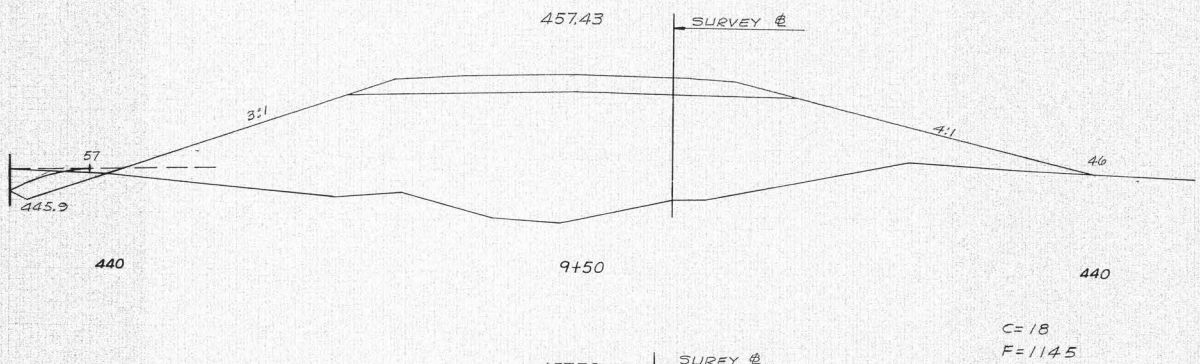
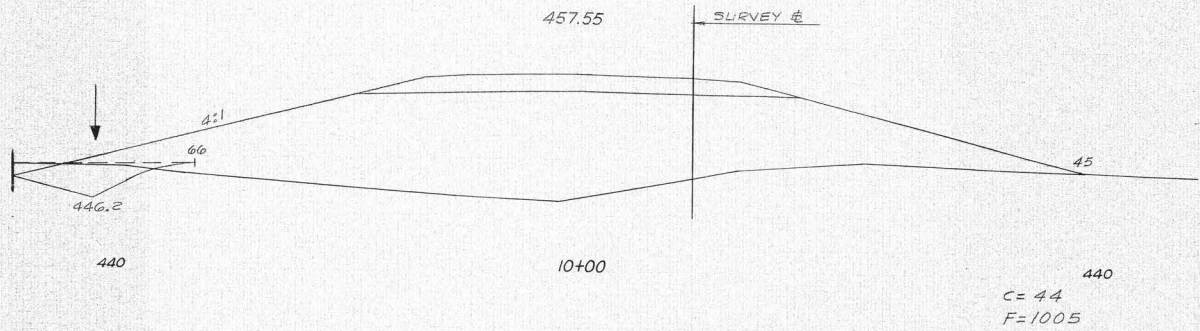
DATE	1-65
BY	C. E. A.
CHECKED BY	J. W.
DATE	1-65

S.P.N.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
REG. NO.	MAINE	16-0-0(43)	37	45

Φ

S.P.E. SEC. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1595-9(43)	38	45

⌘



SCALE 1" = 5'

SCALE 1" = 5'

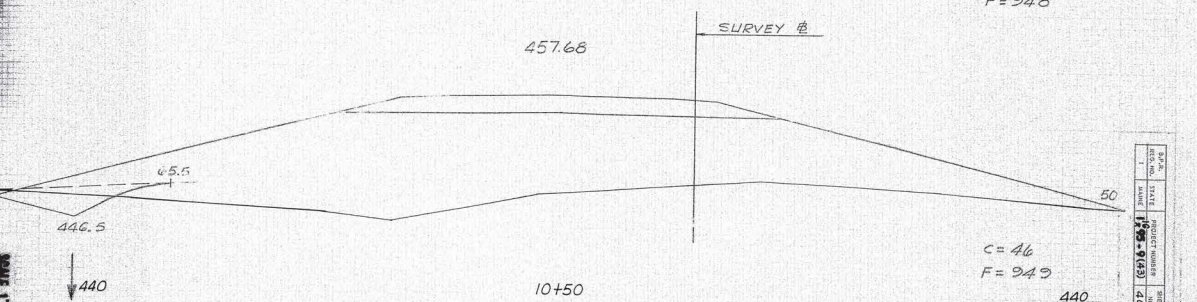
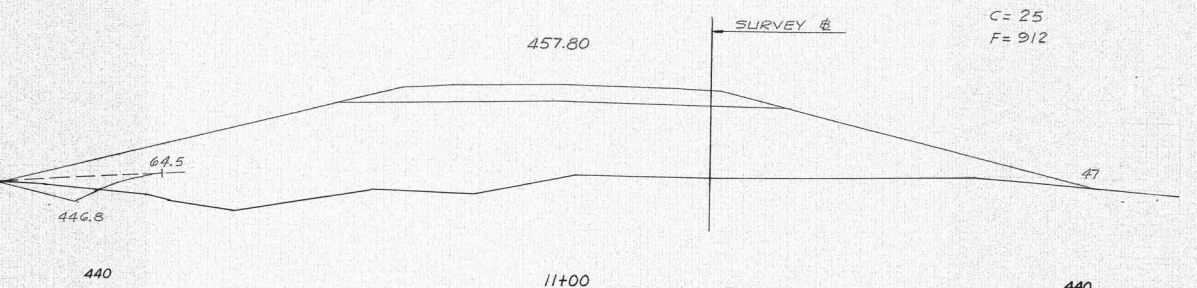
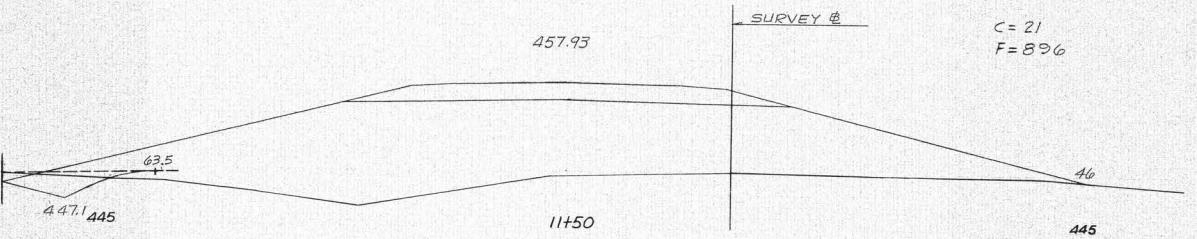
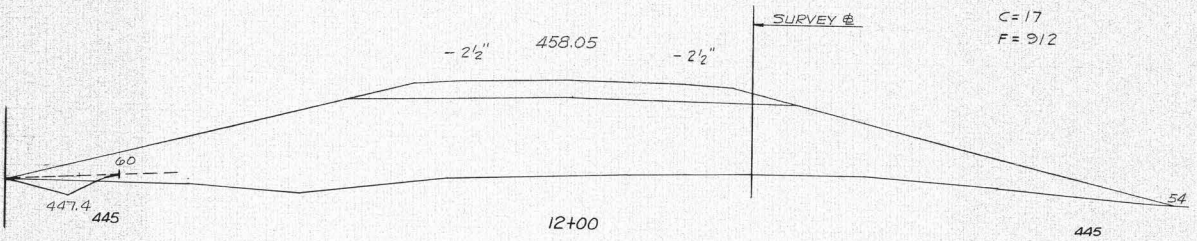
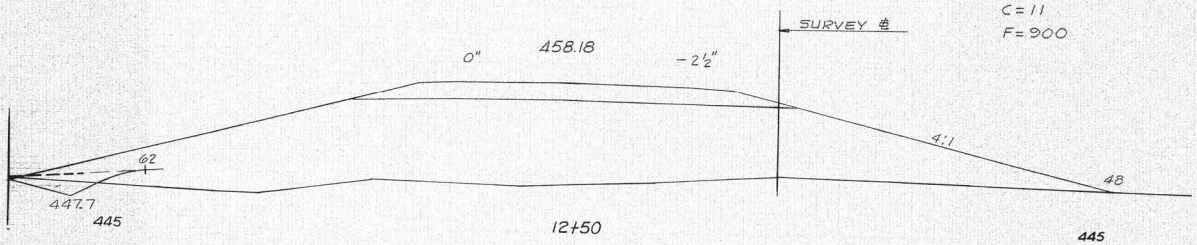
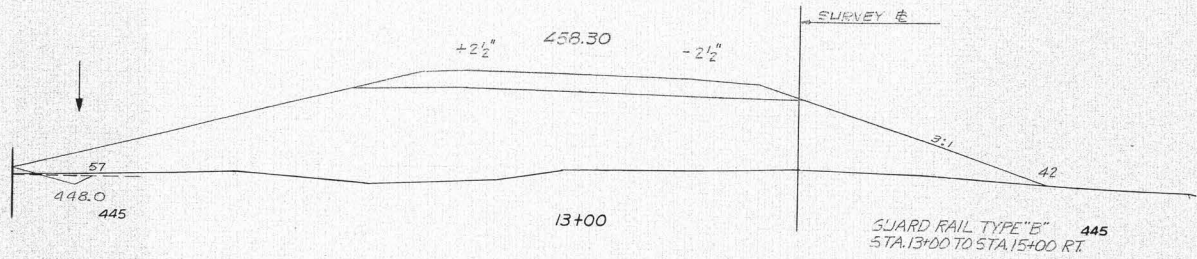
S.A. * 1 X-SECT. STA. 8+50 TO 10+00

⊕

R.P.R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	16 1895-9(43)	39	45

DOLGOS, H. C.
 P. A. C.
 P. A. C. C.E.A.

4

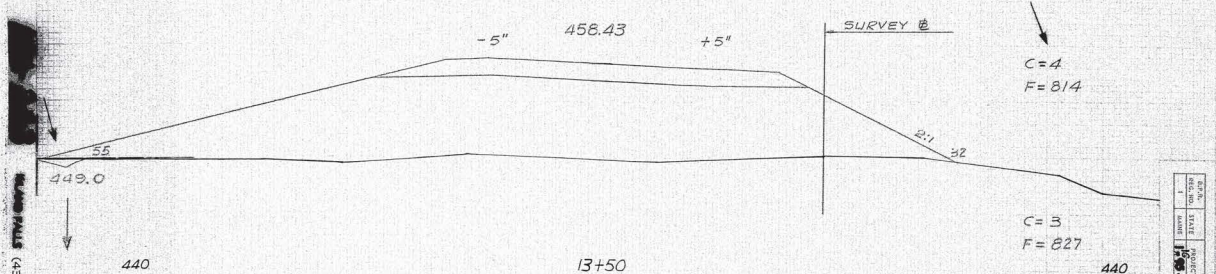
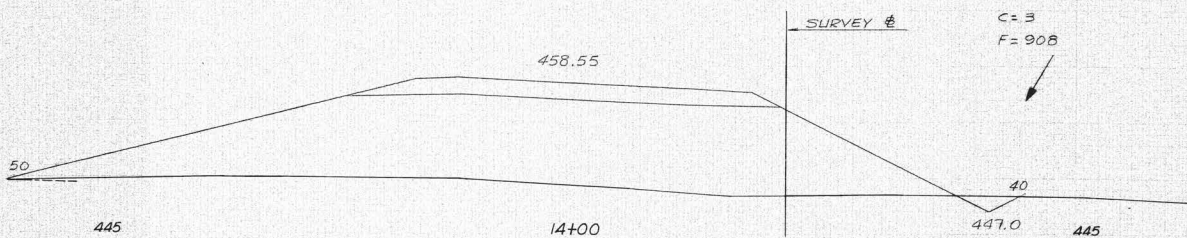
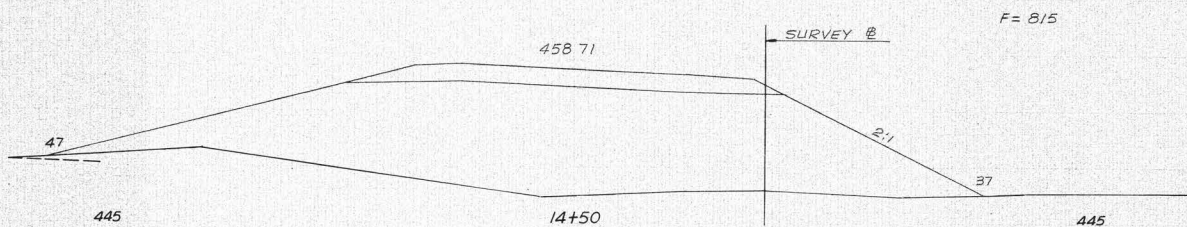
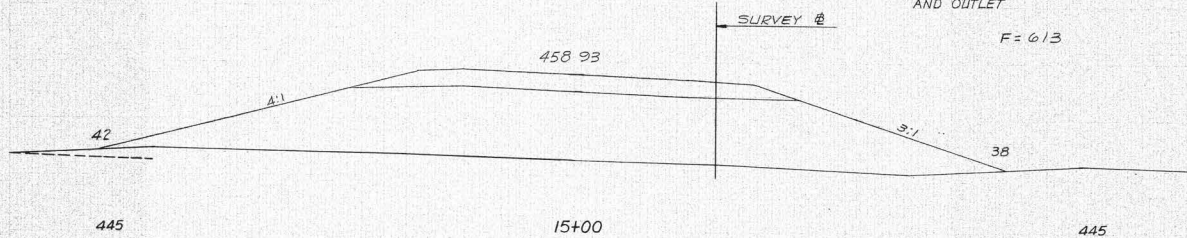
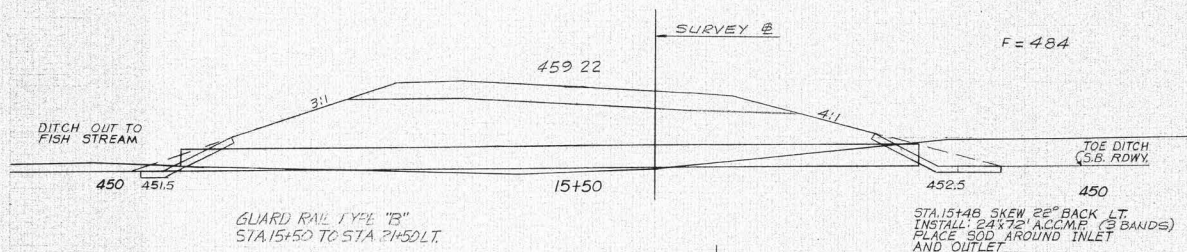
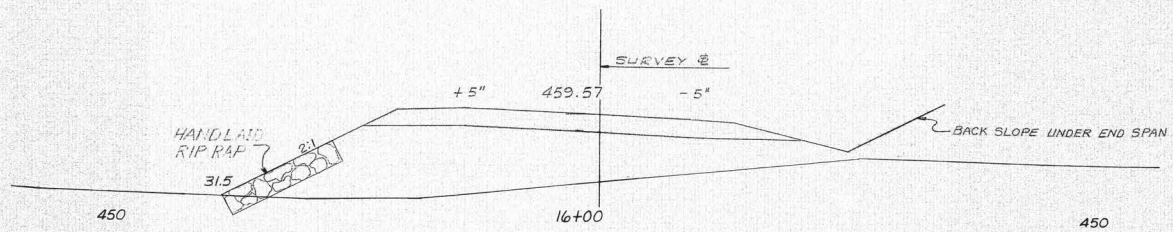


SEE X-SECT. STA. 10+50 TO 13+00

4

NO.	DATE	PROJECT NUMBER	NO.	DATE
1	1-20-43	40	43	

DEC 09
MILL
P. 1
C.E.A.
CROSSING



13+50 TO 16+00

13+50

14+00

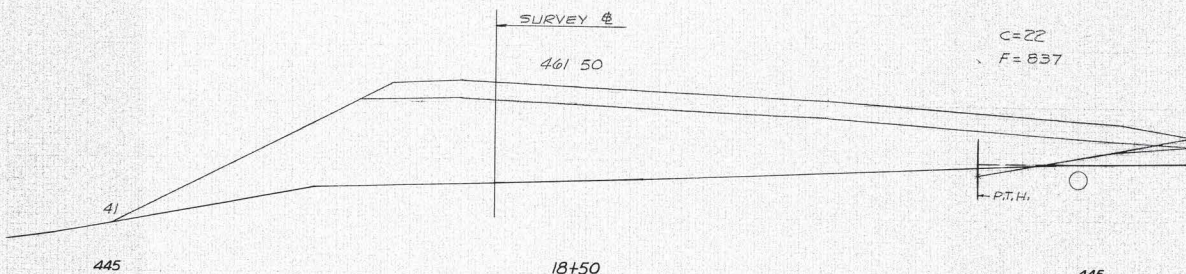
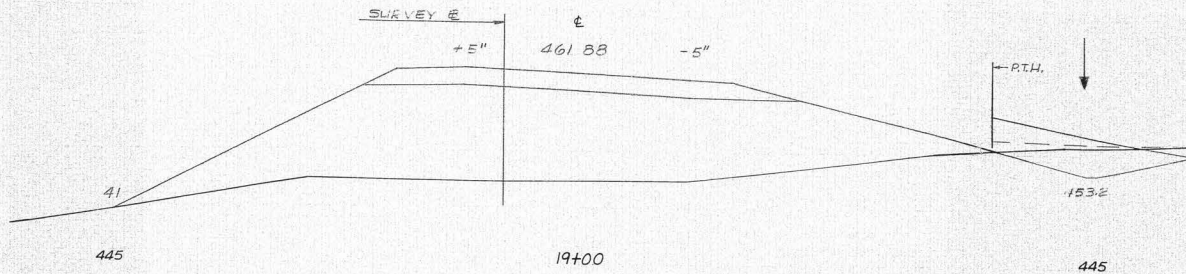
14+50

15+00

15+50

16+00

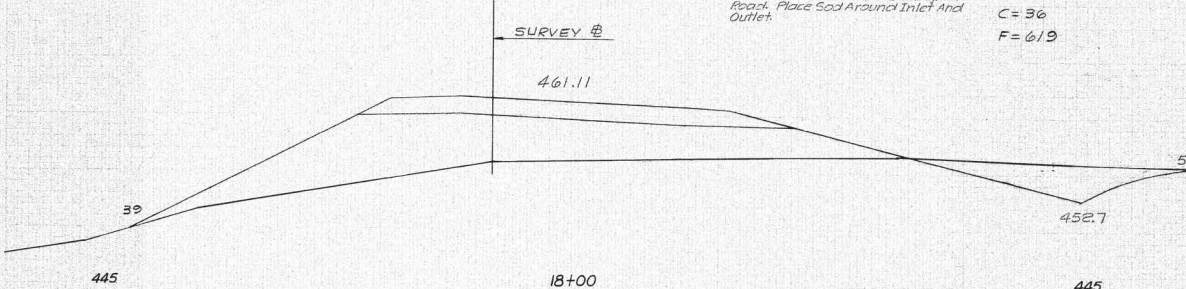
NO. 100
MID-11
DATE: 1-1-50
C.E.A.
SHEET NO. 1



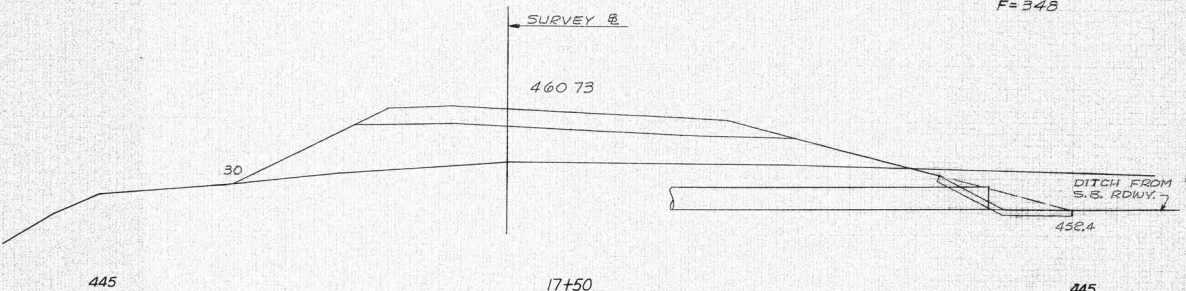
Sta. 18+50 to Sta. 19+00: 45' ft.
Install 18" x 30" AGCMIP (2 Bands)

Notes: All A.C.C. MAP And 2 Bands To
Be Relaid From Sta. 51100 Marginal
Road. Place Sod Around Inlet And
Outlet.

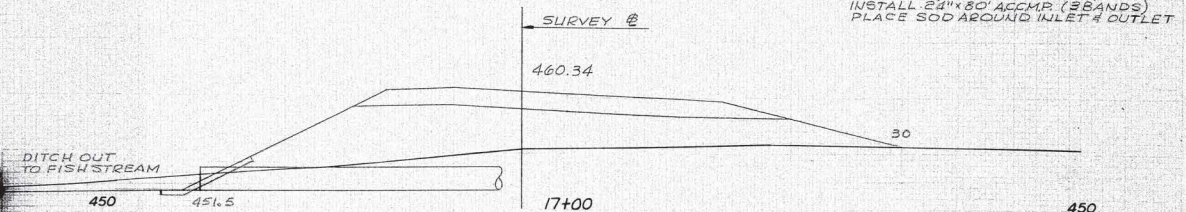
C=22
F=637



C=36
F=619

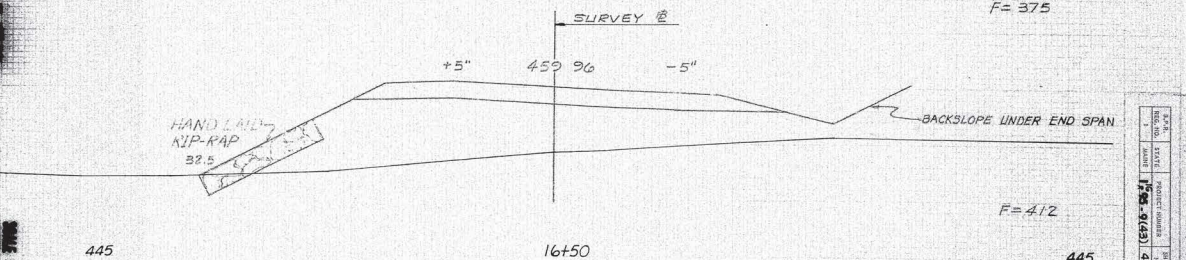


F=315

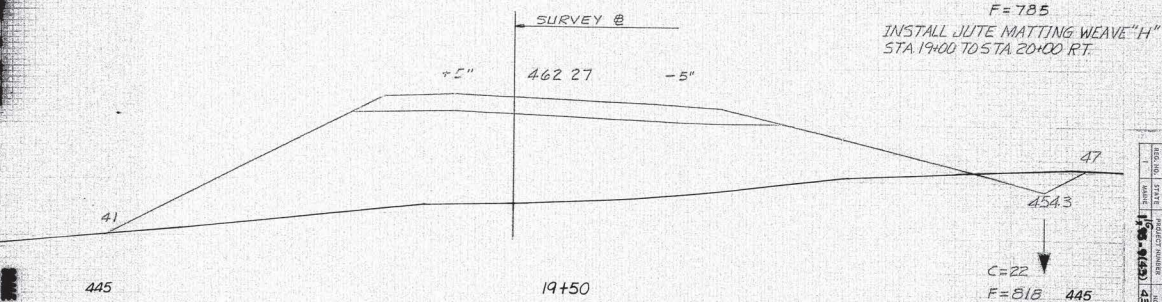
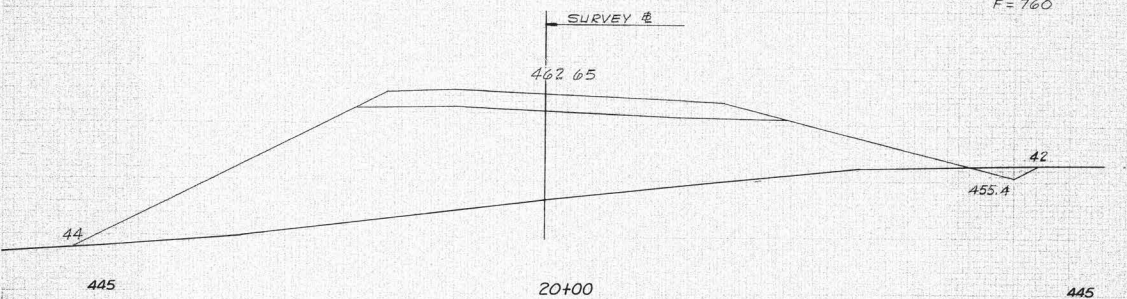
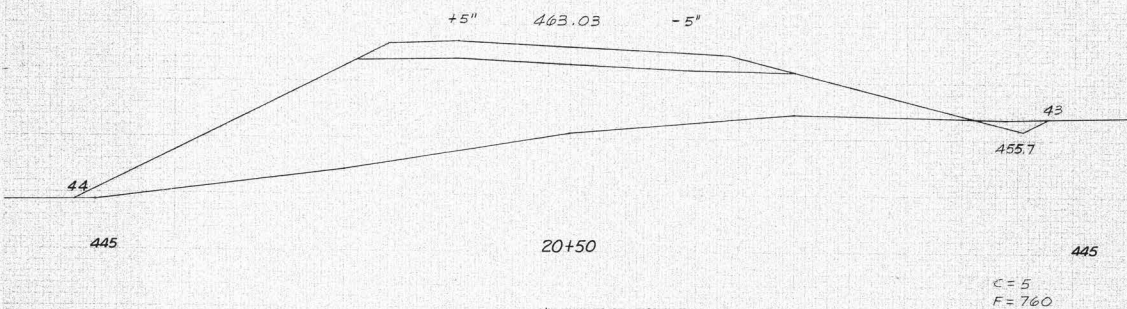
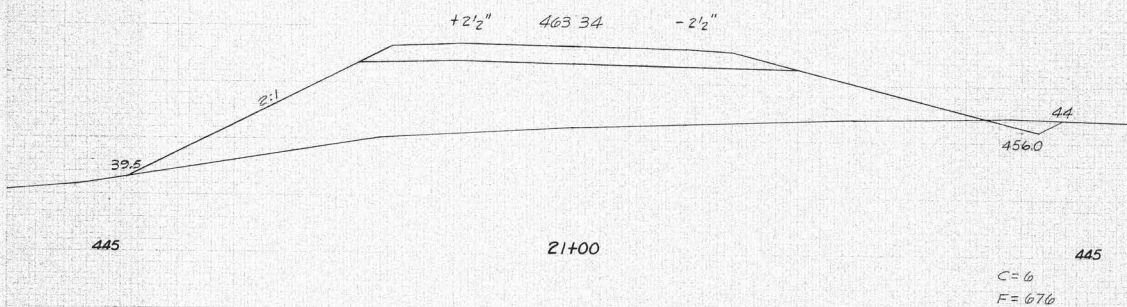
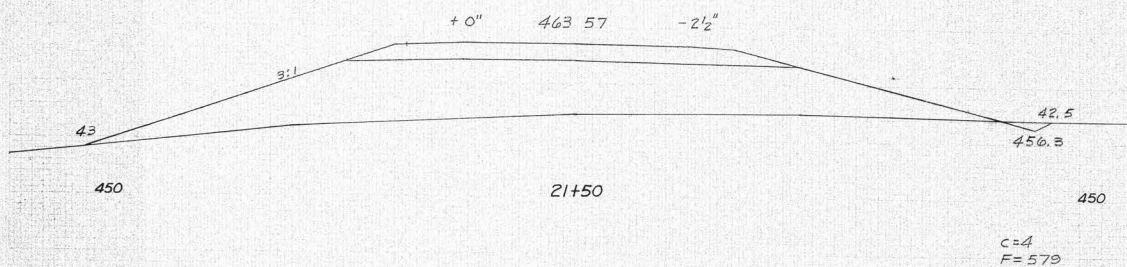
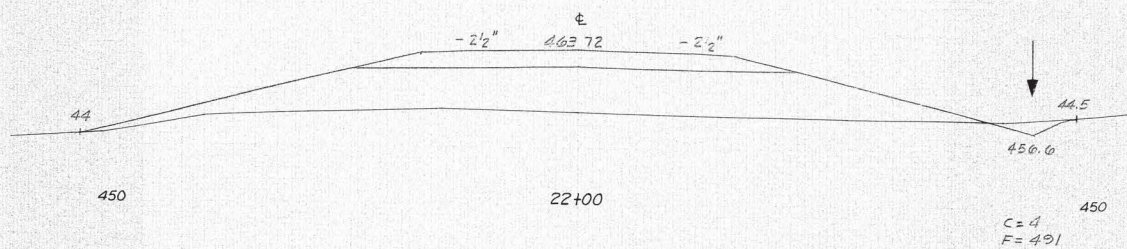


STA. 17+00 (SKEWED 29° 34' 17")
INSTALL 24" x 30" AGCMIP (3 BANDS)
PLACE SOD AROUND INLET & OUTLET

F=375



F=412



00.00
00.00
00.00
00.00

4

463.31

LIMIT OF WORK
STA. 26+00

455

26+00

C = 48

455

463.81

34

460.8

455

25+50

C = 122

455

463.81

40

460.5

NOTE: GRAVEL BASE VARIES FROM 15" AT STA. 25+00
TO EXIST. DEPTH AT STA. 26+00

461.0

455

25+00

C = 107

455

463.81

44

460.2

30

460.6

455

24+50

C = 49

455

463.81

F = 33

32

459.5

30.5

460.3

455

24+00

C = 30

455

STA 24+02.93 & RELOC. SA-1 BK=
STA 23+94.20 @ EXIST. SA-1 AH.=

463.81

F = 227

32

460.0

53

459.2

450

23+50

C = 22

450

F = 498

463.81

35.6

459.7

51

450

23+00

C = 20

450

F = 539

GRUBBING IN FILL
STA. 23+00 TO STA. 24+60

463.80

44.5

458.2

450

22+50

C = 14

450

F = 454



WATER FALLS (43) INTER.

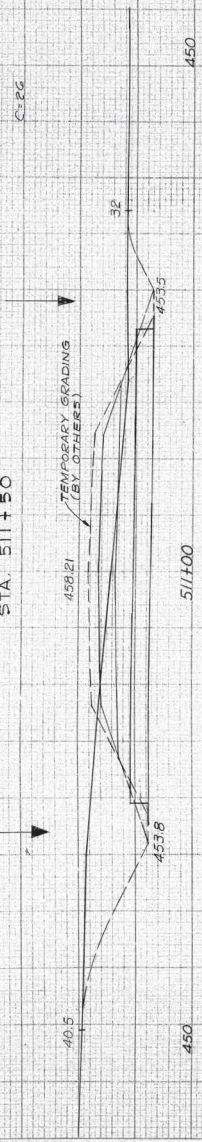
DATE	10-1-58
BY	W. H. H.
CHECKED	W. H. H.
APPROVED	W. H. H.
SCALE	1" = 40'

DIVISION OF HIGHWAYS
 SURVEY
 NAME
 NO.

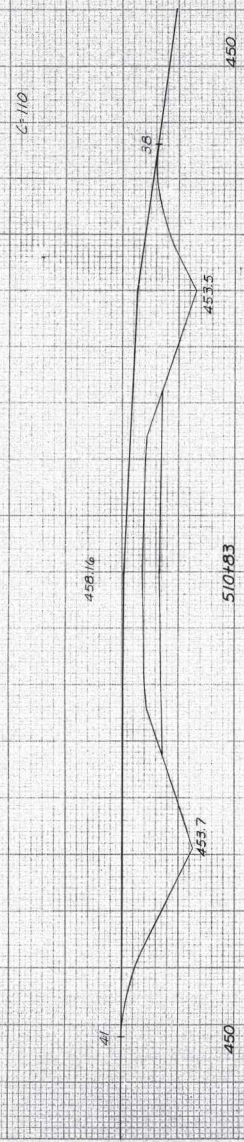
DIVISION OF HIGHWAYS
 SURVEY
 NAME
 NO.

CONST. & SURVEY

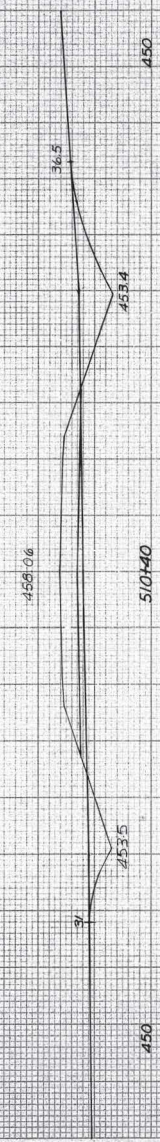
LIMIT OF WORK
 STA. 511+50



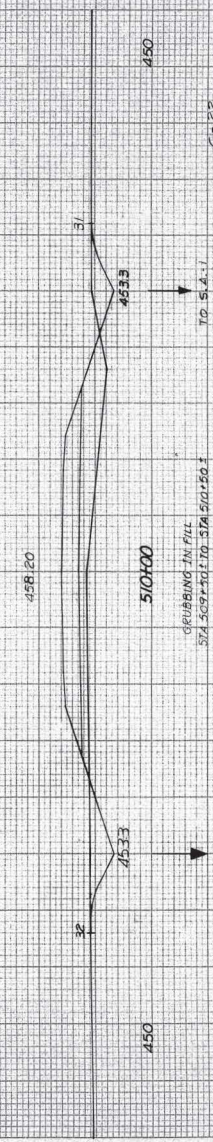
STA 511+10 (SKEWED 17° 34' RT)
 18' X 14' APPROX. (BANDS)
 TO BE REMOVED + REPAID TO STA 511+124
 TO 19+00 FT. - 14' 0" S.A. - 1



C=220
 F=3



C=32
 F=41



C=22
 F=76



DATE	STATE	PROJECT NUMBER	SHEET	TOTAL
1955-9	43	45	45	

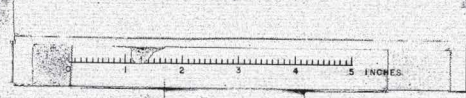
SCALE 1" = 5'

CONST. & SURVEY

MARGINAL RD. X-SECT. STA. 508+50 TO 511+00

101-237

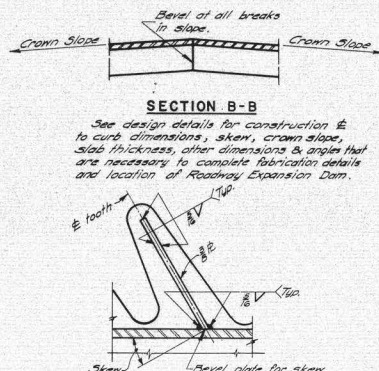
ISLAND FALLS (43)





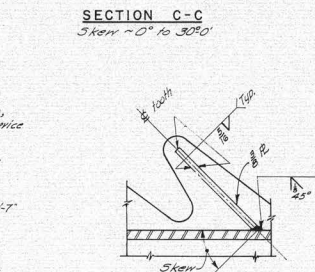
SECTION B-B

See design details for construction & to curb dimensions, skew, crown slope, slab thickness, other dimensions & angles that are necessary to complete fabrication details and location of Roadway Expansion Dam.



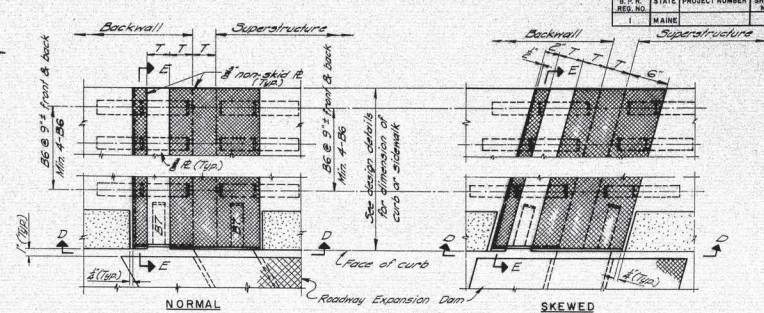
SECTION C-4

Skew $\sim 0^\circ$ to 30°

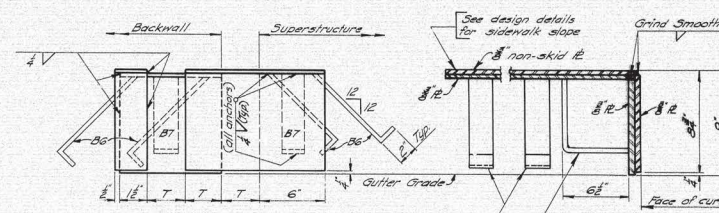


SECTION C-C

Skew over 30°



VIEW D-D



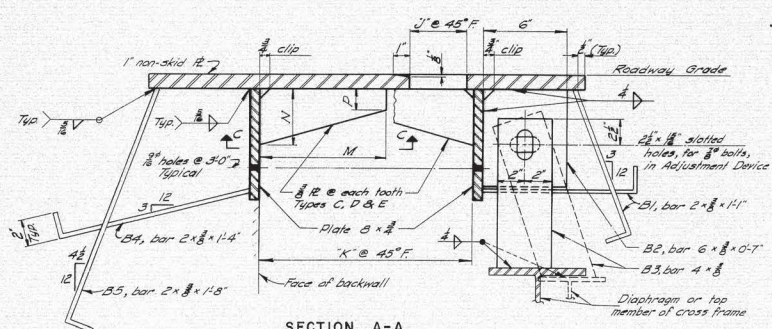
SECTION E-E

TYPE	V	W	X	Y	Z
Exp. Length	100'-280'	280'-440'	440'-600'	600'-760'	760'-920'
T	3"	4"	5"	6"	7"

CURB AND SIDEWALK EXPANSION DAM - DETAILS

SECTION A-A

Bar B3 may be vertical or inclined as indicated, depending on design conditions.
After Adjustment Device is in final position weld bars B2 to B3 with $\frac{1}{4}$ " fillet weld.



ROADWAY EXPANSION DAM - DETAILS

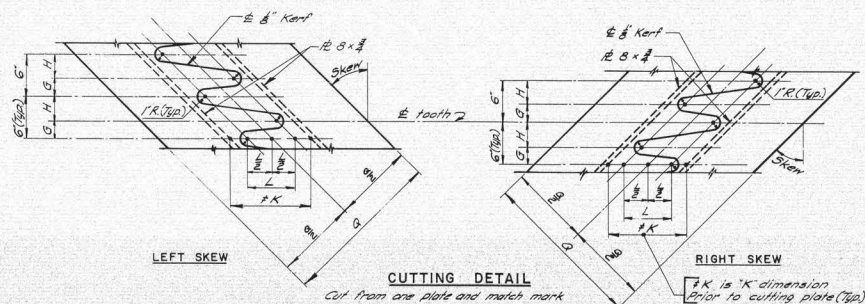


TABLE OF DIMENSIONS											
Type	Exp. Length	3ken	# K	L	G	H	45	M	N	P	G
A	100'-280'	0'-5" incl.	7	3	9	28					2
		0'-10" incl.	74	4	3	94					2
		10'-20"	8	48	28	38	10	28			2
		20'-30"	58	54	28	34	108				2
		30'-40"	58	54	28	38	118	28			2
		40'-50" incl.	14	66	28	38	128				2
B	280'-440'	0'-5" incl.	9	6	5	3	12	38			2
		5'-10"	58	68	28	38	128	38			2
		10'-20"	10	68	28	38	138	38			2
		20'-30"	128	74	28	34	138				2
		30'-40"	12	8	28	34	15	38			2
		40'-50" incl.	138	88	28	38	168	38			2
C	440'-600'	0'-10" incl.	118	84	3	3	158	48	9'	4'	18
		10'-20"	12	88	28	38	168	48	10'	4'	18
		20'-30"	128	94	28	38	168	48	11'	4'	18
		30'-40"	14	10	28	34	18	48	11'	4'	18
		40'-50" incl.	158	108	28	38	198	48	12'	4'	18
		0'-10" incl.	148	10	68	58					2
D	600'-760'	10'-20"	14	108	28	34	19	58	12'	5'	2
		20'-30"	148	118	28	38	198	58	13'	5'	2
		30'-40"	16	12	28	38	21	58	13'	5'	2
		40'-50" incl.	178	13	28	38	228	58	15'	5'	2
		0'-10" incl.	158	128	5	3	218	68	15'	6	28
		10'-20"	16	128	28	38	22	68	14	6	28
E	760'-920'	20'-30"	168	138	28	34	228	68	15'	6	28
		30'-40"	18	138	28	34	248	68	15'	6	28
		40'-50" incl.	198	14	28	34	258	68	17	6	28
		0'-10" incl.	188	14	28	34	268	68	17	6	28
		10'-20"	16	128	28	38	22	68	14	6	28
		20'-30"	168	138	28	34	228	68	15'	6	28

GENERAL NOTES

If there is conflict between this Standard Detail and the design details, the requirements of the design details shall be followed.

Steel Classification : A.S.T.M. A36

MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

STANDARD DETAILS
(BD 105 - 64)

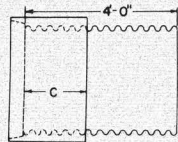
(BD 105 - 64)

EXPANSION DAMS

APRIL 1964

101-238 ISLAND FALLS (43)

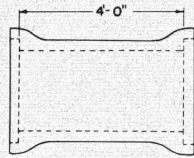
PIPE CONNECTIONS



GROOVE END COMBINATION
For 24" to 72" inclusive, diameter connection
between concrete and metal pipe

"C" = 17" min. for sizes 30" to 48" incl.
"C" = 23" min. for sizes over 48"

Asphalt coated corrugated metal pipe
shall conform to the latest
standard specifications

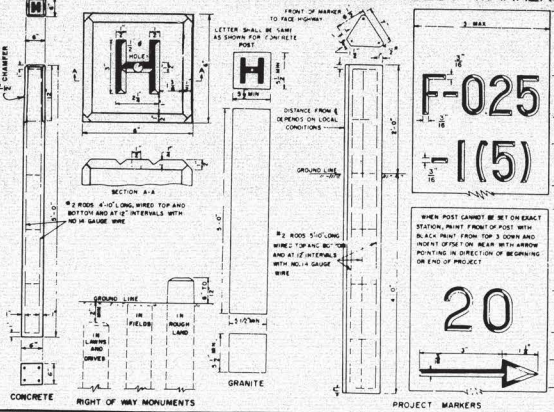


**REINFORCED CONCRETE PIPE CONNECTOR
DOUBLE BELL**

For 12" to 18" inclusive, diameter connection
between concrete and metal pipe

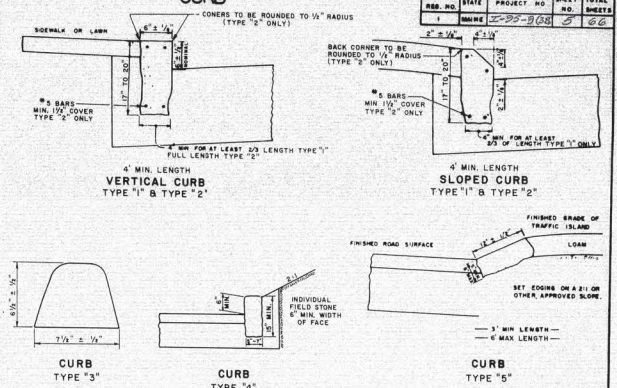
Reinforced concrete pipe shall
conform to the latest standard
specifications

RIGHT OF WAY MONUMENTS & PROJECT MARKERS



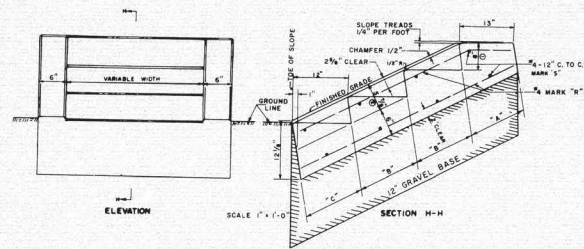
CONCRETE RIGHT OF WAY MONUMENTS GRANITE PROJECT MARKERS

CURB



CURB TYPE "3" CURB TYPE "4" CURB TYPE "5"

CONCRETE STEPS



ELEVATION

SCALE 1" = 1'-0"

SECTION H-H

CONCRETE CLASS "A"			
SECTION	STEPS PER FT. OF WIDTH	PARAPET EACH WALL	
"A" HEAD	030 CU YDS	015 CU YDS	
"B" INTER ST	030 CU YDS	020 CU YDS	
"C" FOOTER	030 CU YDS	020 CU YDS	

ITEMS

ITEM NO.	DESCRIPTION
204-10	Struct earth excav - drain
204-11	Struct rocks excav - drain
302-14	Gravel for foundations
705-13	Reinforcing steel, delivered
705-14	Reinforcing steel, placed
904-11	Gravel for foundations

CONCRETE CLASS "A"			
SECTION	STEPS PER FT. OF WIDTH	PARAPET EACH WALL	
"A" HEAD	035 CU YDS	018 CU YDS	
"B" INTER ST	035 CU YDS	024 CU YDS	
"C" FOOTER	035 CU YDS	024 CU YDS	

8" RISE-12" TREAD
(1 1/2 : 1 SLOPE)

MARK	SIZE	NUMBER	LENGTH (EACH)
"A"	#4	2 EACH PARAPET	11" FOR "A"
"B"	#4	2 EACH INTER ST	14 1/2" FOR EACH "B"
"C"	#4	2 EACH FOOTER	12" FOR "C"

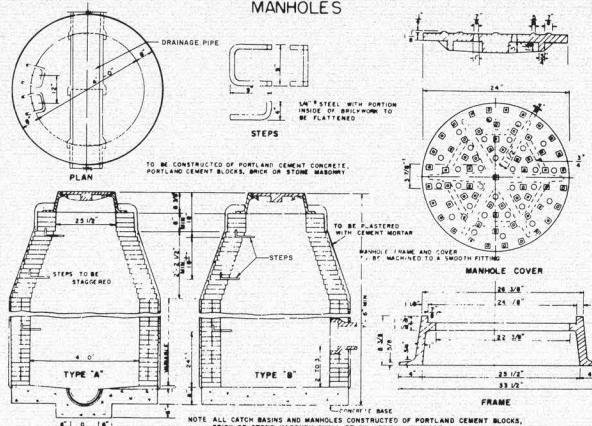
NOTE

To determine the quantity of "Structural Excavation"
for payment refer to the "Standard Specifications"
section 204-60, structural earth and rock excavation -
abutments and retaining wall or piers.

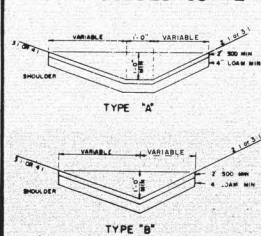
MARK	SIZE	NUMBER	LENGTH (EACH)
"A"	#4	2 EACH PARAPET	11" FOR "A"
"B"	#4	2 EACH INTER ST	14 1/2" FOR EACH "B"
"C"	#4	2 EACH FOOTER	12" FOR "C"

① 1/8"
② 1/4"

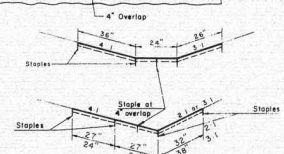
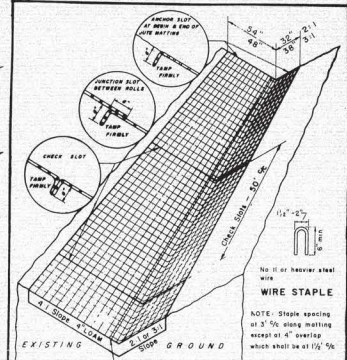
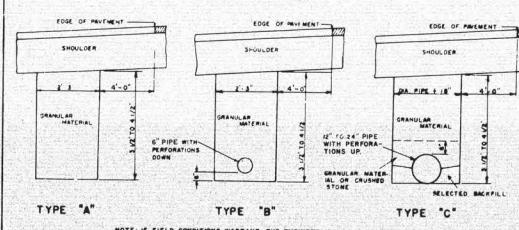
MANHOLES



SODDED GUTTER



UNDERDRAIN



JUTE MATTING - DITCH SECTION

MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

STANDARD DETAILS

MISCELLANEOUS ITEMS

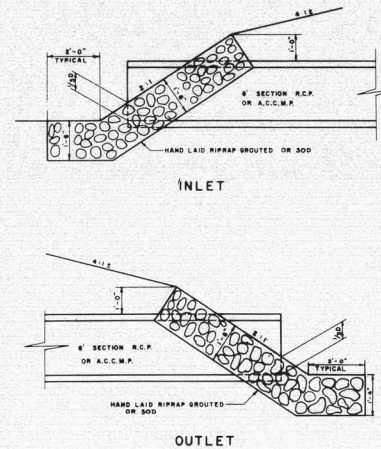
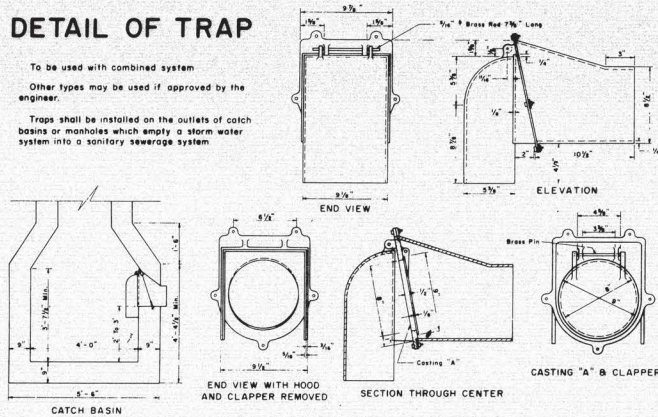
Feb
3-65

101-239 ISLAND FALLS (43)

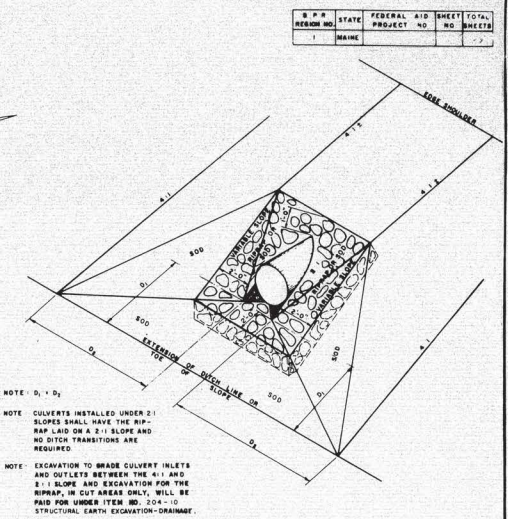
DETAIL OF TRAP

To be used with combined system
Other types may be used if approved by the
engineer.

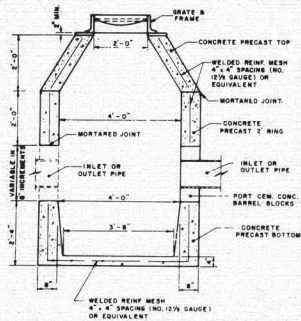
Traps shall be installed on the outlets of catch
basins or manholes which empty a storm water
system into a sanitary sewerage system



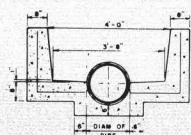
TYPICAL RIPRAP DETAIL FOR R.C.P. OR A.C.C.M.P.



NOTE: $D_1 + D_2$
NOTE: CULVERTS INSTALLED UNDER 2:1
SLOPES SHALL HAVE THE RIP-
RAP LAID ON A 2:1 SLOPE AND
NO DITCH TRANSITIONS ARE
REQUIRED
NOTE: EXCAVATION TO MAKE CULVERT INLETS
AND OUTLETS BETWEEN THE 4:1 AND
2:1 SLOPE AND EXCAVATION FOR THE
RIPRAP, IN CUT AREAS ONLY, WILL BE
PAID FOR UNDER ITEM NO. 204-10
STRUCTURAL EARTH EXCAVATION-DRAINAGE

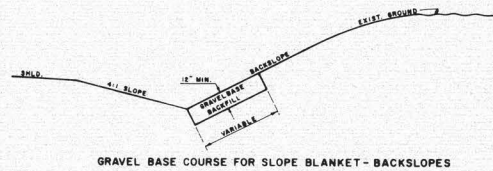


PRECAST PORTLAND CEMENT CONCRETE
CATCH BASINS
TYPES C, F, H & I - MANHOLE TYPE B

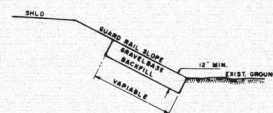


PRECAST PORTLAND CEMENT CONCRETE
CATCH BASIN TYPE G
MANHOLE TYPE A

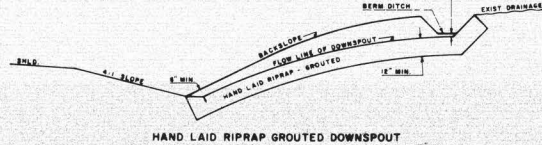
NOTE:
THE THREE SECTIONS DETAILED BELOW SHALL
BE USED WHEN DIRECTED BY THE ENGINEER
OR AS SHOWN ON THE PLANS



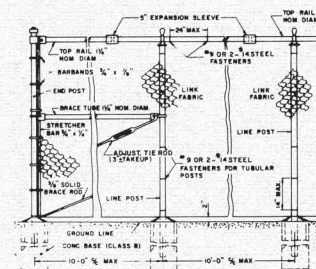
GRAVEL BASE COURSE FOR SLOPE BLANKET - BACKSLOPES



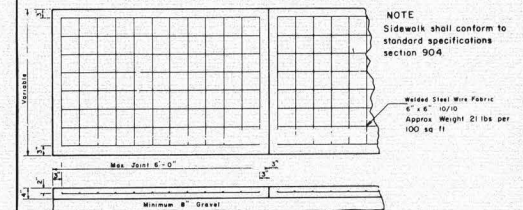
GRAVEL BASE COURSE FOR SLOPE BLANKET - FILL SLOPES



HAND LAID RIPRAP GROUTED DOWNSPOUT



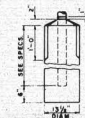
REINFORCED PORTLAND CEMENT CONCRETE SIDEWALK



NOTE
Sidewalk shall conform to
standard specifications
section 904

Welded Steel Wire Fabric
6" x 6" 10/10
Approx. Weight 21 lbs per
100 sq ft

PORTLAND CEMENT CONCRETE
(CLASS B)



LINE, GATE AND
END POST BASE

"CHAIN LINK FENCE

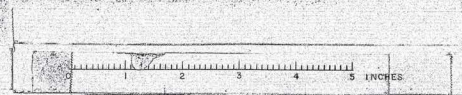
MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

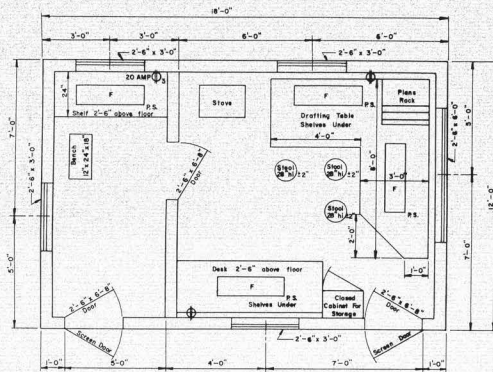
STANDARD DETAILS

DETAIL OF TRAP; REINFORCED
PORTLAND CEMENT CONCRETE SIDEWALK,
CHAIN LINK FENCE, TYPICAL
RIPRAP DETAIL & PRECAST CATCH
BASINS & MANHOLES

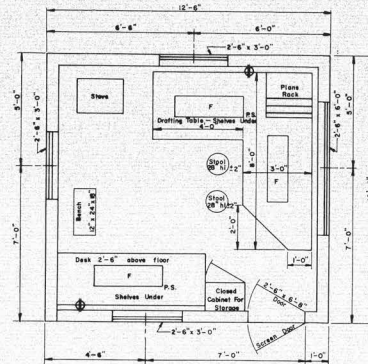
Feb
4-65

101-240 ISLAND FALLS (43)

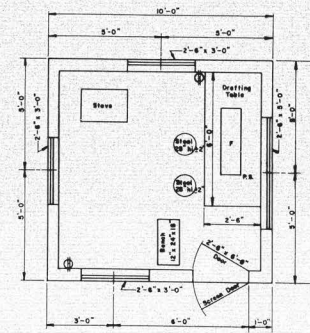




FLOOR PLAN
TYPE "A"

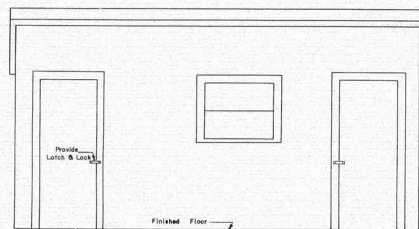


FLOOR PLAN
TYPE "B"

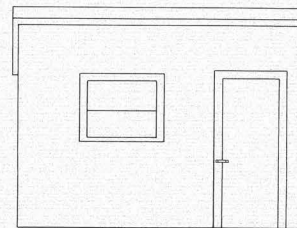


FLOOR PLAN
TYPE "C"

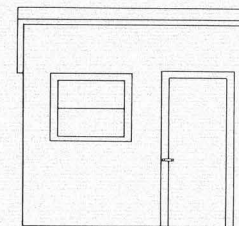
- GENERAL NOTES**
- Drafting table shall be 3'-4" high at front edge and placed 2" from studs to allow pipes to hang down behind table when in use.
 - Shelves under desk shall be constructed to receive 11 1/2" x 16" x 25" transfiles.
 - Windows shall be double hung.
 - Stoves shall not be in direct contact with combustible material; the pipe shall be surrounded with at least 4" of fireproof material.
 - Continuous 110 volt 60 cycle electric service shall be supplied.
 - The engineer may rearrange the items shown on the plan views during construction of the field office.
 - FURNISHINGS TO BE SUPPLIED:**
 - 2 Straight back chairs for types A and B
 - 1 Bench for types A, B & C
 - 3 Stool for type A
 - 2 Stools for types B & C
 - SYMBOLS:**
 - F Fluorescent lights (2 light, rapid start 48" strips and 40 watt bulbs).
 - P.S. Pull switch
 - D Duplex wall outlet—15 amp unless otherwise noted
 - T Triplex Wall Outlet
 - For the Type "A" Field Office one clean 55 gal. drum shall be supplied, installed on a suitable rack and equipped with a spigot suitable for drawing off water. The drum shall be furnished with water at all times.



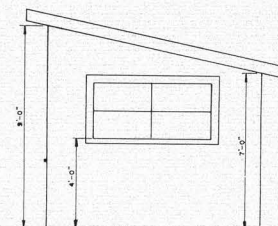
FRONT ELEVATION
TYPE "A"



FRONT ELEVATION
TYPE "B"



FRONT ELEVATION
TYPE "C"



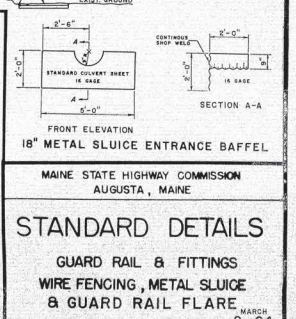
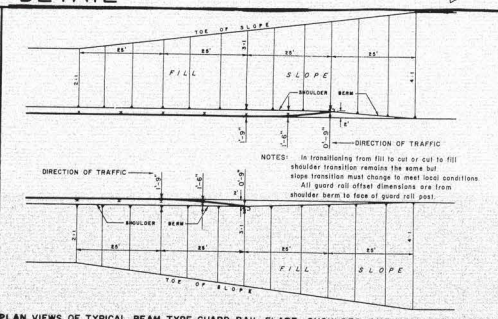
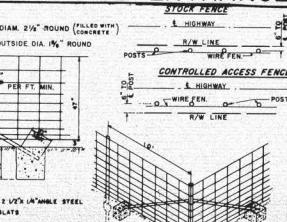
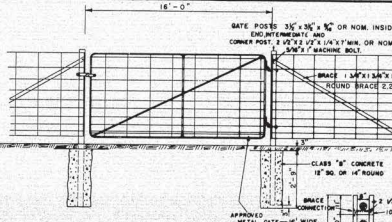
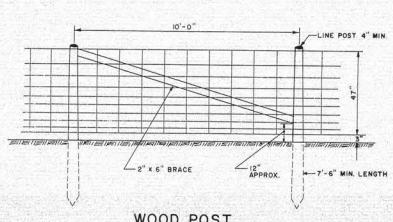
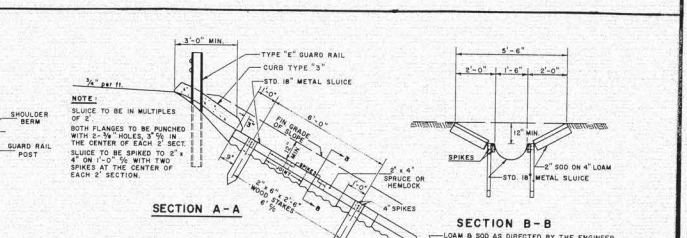
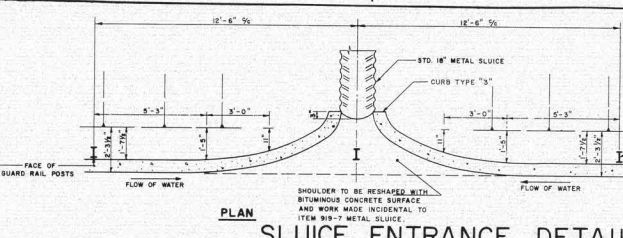
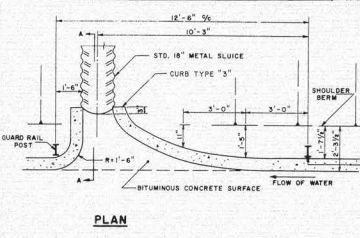
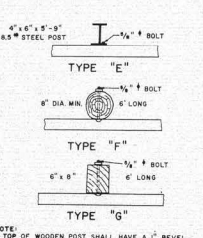
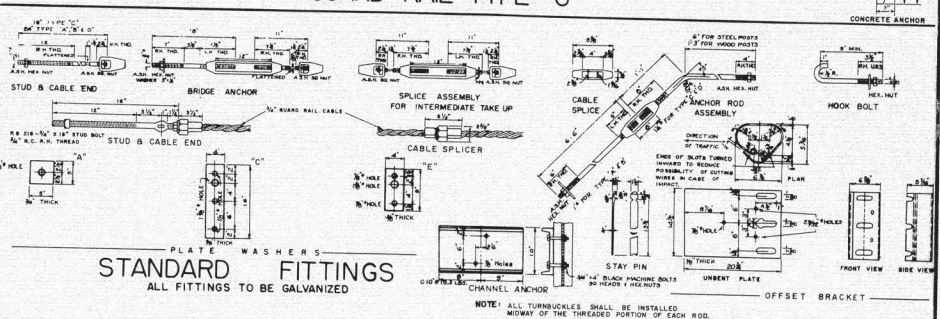
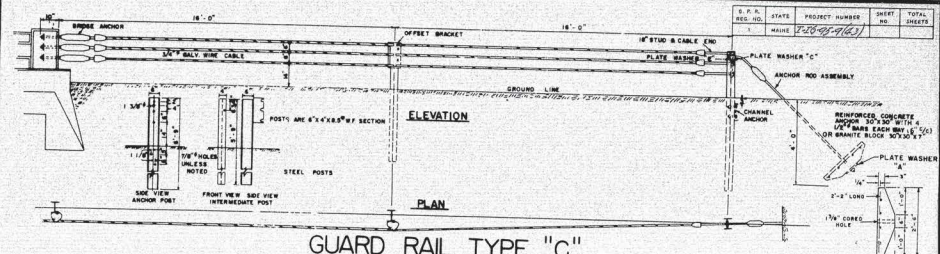
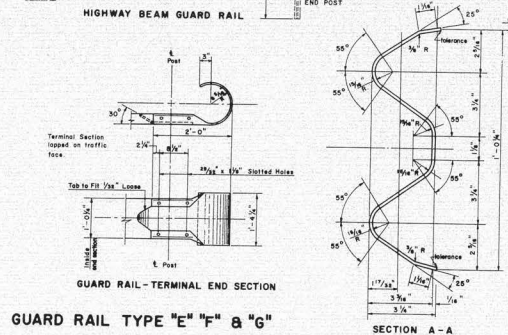
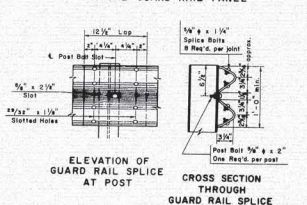
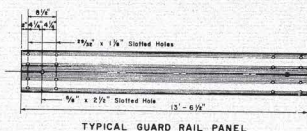
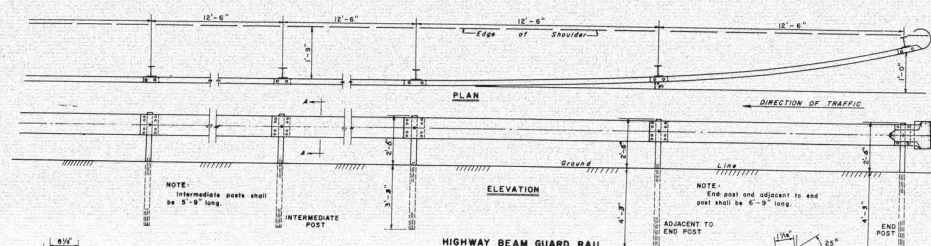
SIDE ELEVATION
TYPES "A" "B" & "C"

REVISIONS		MAINE STATE HIGHWAY COMMISSION AUGUSTA, MAINE	
		STANDARD DETAILS	
		FIELD OFFICES TESTING LABORATORY	
		AUG. 1965	

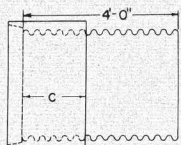
101-241

1-1/2" LAND FALLS (8'5")





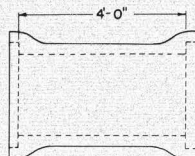
PIPE CONNECTIONS



GROOVE END COMBINATION
For 24" to 72" inclusive, diameter connection
between concrete and metal pipe

"C" = 17" min. for sizes 30" to 48" incl.
"C" = 23" min. for sizes over 48"

Asphalt coated corrugated metal pipe
shall conform to the latest
standard specifications

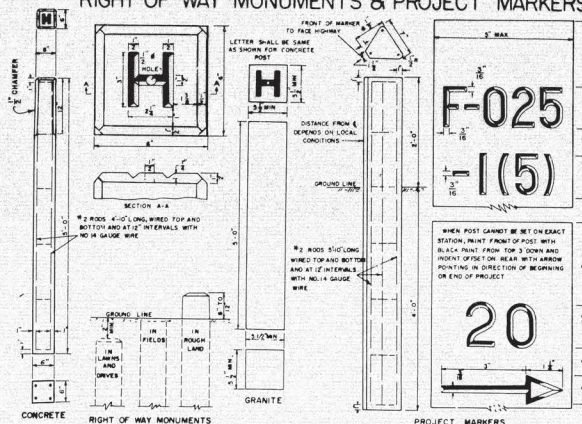


REINFORCED CONCRETE PIPE CONNECTOR
DOUBLE BELL

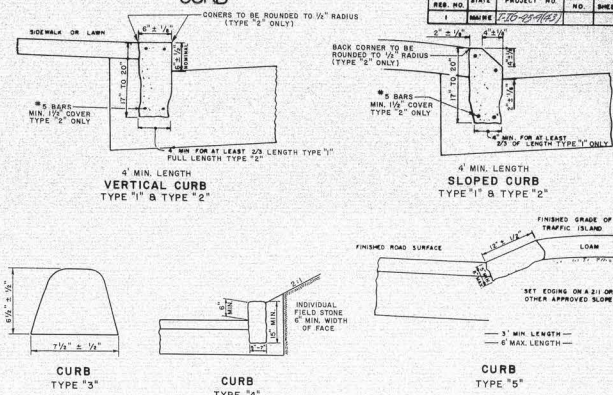
For 12" to 18" inclusive, diameter connection
between concrete and metal pipe

Reinforced concrete pipe shall
conform to the latest standard
specifications

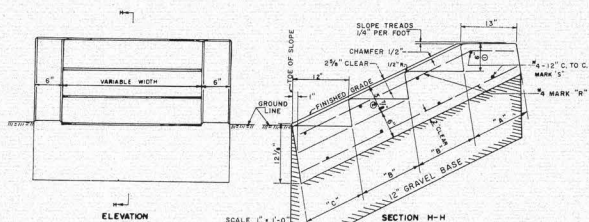
RIGHT OF WAY MONUMENTS & PROJECT MARKERS



CURB



CONCRETE STEPS



CONCRETE CLASS "A"			
SECTION	STEPS PER FT. OF WIDTH	PARAPET EACH WALL	
"A" HEADER	.030 CU. YDS.	.015 CU. YDS.	
"A" EA. INTER. ST.	.030 CU. YDS.	.020 CU. YDS.	
"C" FOOTER	.030 CU. YDS.	.030 CU. YDS.	

PAY ITEMS

ITEM NO.	DESCRIPTION
204-10	---Struct. earth excav.-drain.
204-11	---Struct. rock excav.-drain.
302-14	---Drill for foundations
701-47	---Portland cement
705-13	---Reinforcing steel, delivered
705-14	---Reinforcing steel, placed
904-1	---Reinforced concrete steps

CONCRETE CLASS "A"			
SECTION	STEPS PER FT. OF WIDTH	PARAPET EACH WALL	
"A" HEADER	.035 CU. YDS.	.018 CU. YDS.	
"A" EA. INTER. ST.	.035 CU. YDS.	.024 CU. YDS.	
"C" FOOTER	.035 CU. YDS.	.024 CU. YDS.	

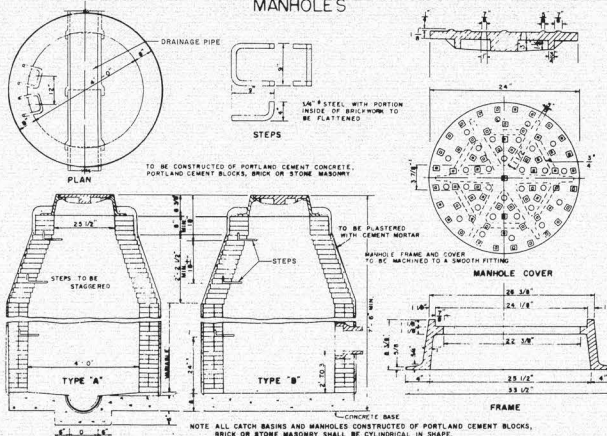
REINFORCING STEEL			
MARK	SIZE	NUMBER	LENGTH (EACH)
"A"	"#4"	2 EACH PARAPET	11' FOR "A"
"B"	"#4"	2 EACH PARAPET	11' FOR "B"
"C"	"#4"	2 EACH PARAPET	11' FOR "C"

NOTE:
To determine the quantity of "Structural Excavation"
for payment refer to the "Standard Specifications"
section 204-60, structural earth and rock excavation-
abutments and retaining wall or piers.

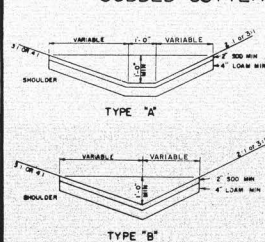
REINFORCING STEEL			
MARK	SIZE	NUMBER	LENGTH (EACH)
"A"	"#4"	2 EACH PARAPET	11' FOR "A"
"B"	"#4"	2 EACH PARAPET	11' FOR "B"
"C"	"#4"	2 EACH PARAPET	11' FOR "C"

① "8"
② "7 1/2"

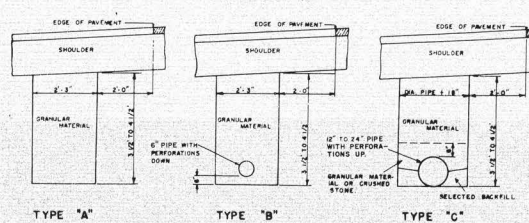
MANHOLES



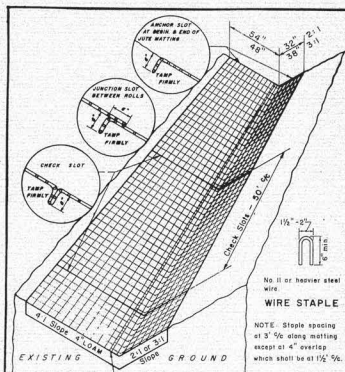
SODDED GUTTER



UNDERDRAIN



NOTE: IF FIELD CONDITIONS WARRANT, THE ENGINEER MAY
CHANGE THE DIMENSIONS DETAILED ABOVE.



JUTE MATTING - DITCH SECTION

MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

STANDARD DETAILS

MISCELLANEOUS ITEMS

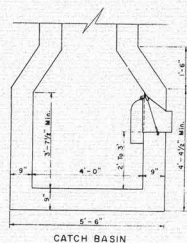
MARCH
3-64

101-243 ISLAND FALLS (43)

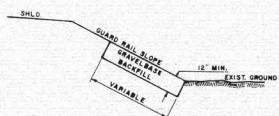
To be used with combined system.

Other types may be used if approved by the engineer.

Traps shall be installed on the outlets of catch basins or manholes which empty a storm water system into a sanitary sewerage system.



NOTE: THE THREE SECTIONS DETAILED BELOW SHALL BE USED WHEN DIRECTED BY THE ENGINEER OR AS SHOWN ON THE PLANS



The drawing consists of two parts: an 'INLET' view at the top and an 'OUTLET' view at the bottom. Both views show a cross-section of a culvert structure with a sloped riprap apron.

INLET View:

- The culvert is shown in plan view with a width of 8'-0" TYPICAL.
- The riprap apron slopes at a ratio of 1:1.
- The structure is labeled '8' SECTION R.C.P. OR A.C.C.M.P.'.
- The apron is labeled 'HAND LAID RIPRAP GROUDED OR SOD'.
- Dimensions include a 1'-0" vertical offset and a 4:1:2 slope for the approach embankment.

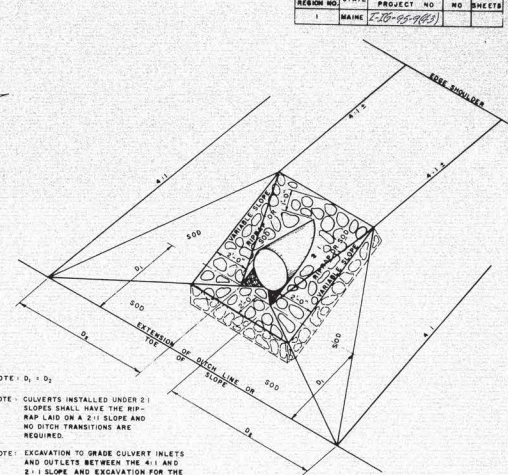
OUTLET View:

- The culvert is shown in plan view with a width of 8'-0" TYPICAL.
- The riprap apron slopes at a ratio of 1:1.
- The structure is labeled '8' SECTION R.C.P. OR A.C.C.M.P.'.
- The apron is labeled 'HAND LAID RIPRAP GROUDED OR SOD'.
- Dimensions include a 1'-0" vertical offset and a 4:1:2 slope for the approach embankment.

NOTE: $D_1 = D_2$

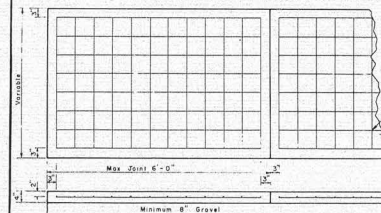
NOTE: CULVERTS INSTALLED UNDER 2:1 SLOPES SHALL HAVE THE RIPRAP LAID ON A 2:1 SLOPE AND NO DITCH TRANSITIONS ARE REQUIRED.

NOTE: EXCAVATION TO GRADE CULVERT INLET AND OUTLETS BETWEEN THE 4:1 AND 2:1 SLOPE AND EXCAVATION FOR THE RIPRAP, IN CUT AREAS ONLY, WILL BE PAID FOR UNDER ITEM NO. 204-10 STRUCTURAL EARTH EXCAVATION-DRAINAGE



REINFORCED PORTLAND CEMENT
CONCRETE SIDEWALK

NOTE
Sidewalk shall conform to
standard specifications
section 904.



" CHAIN LINK FENCE

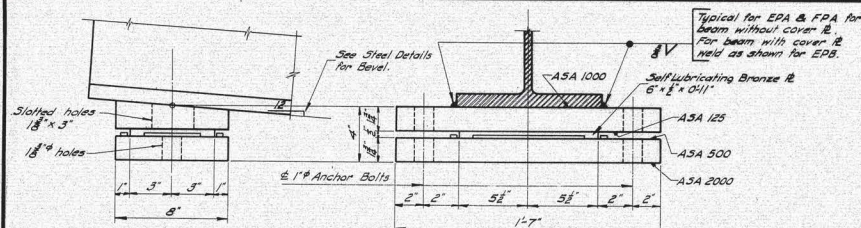
MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

STANDARD DETAILS

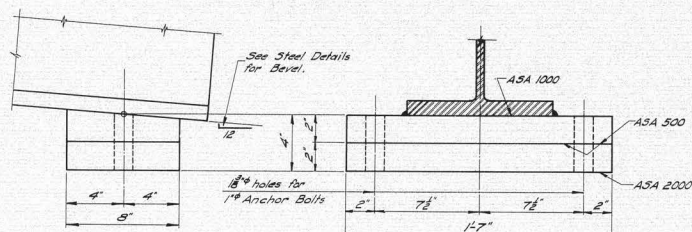
DETAIL OF TRAP, REINFORCED
PORTLAND CEMENT CONCRETE SIDEWALK,
CHAIN LINK FENCE, TYPICAL
RIPRAP DETAIL & PRECAST CATCH
BASINS & MANHOLES

H
MARCH
4-64

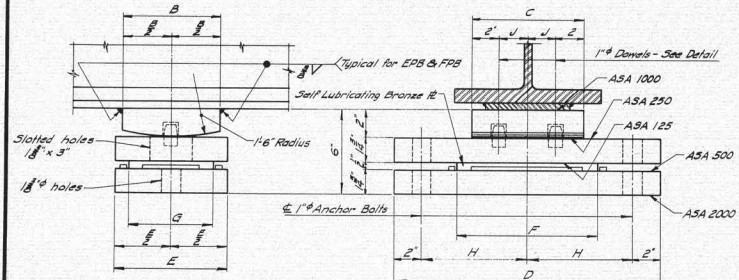
101-244 ISLAND FALLS (43)



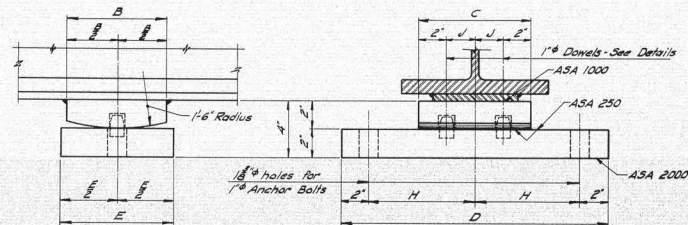
EXPANSION PEDESTAL - EPA



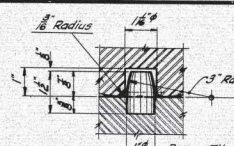
FIXED PEDESTAL - FPA



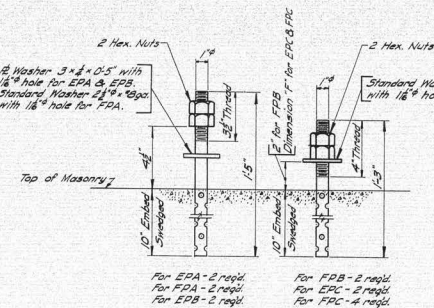
EXPANSION PEDESTAL - EPB



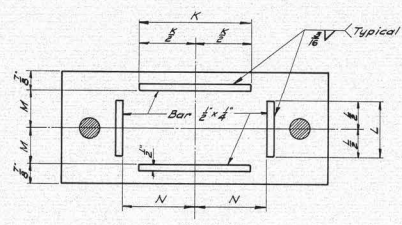
FIXED PEDESTAL - FPB



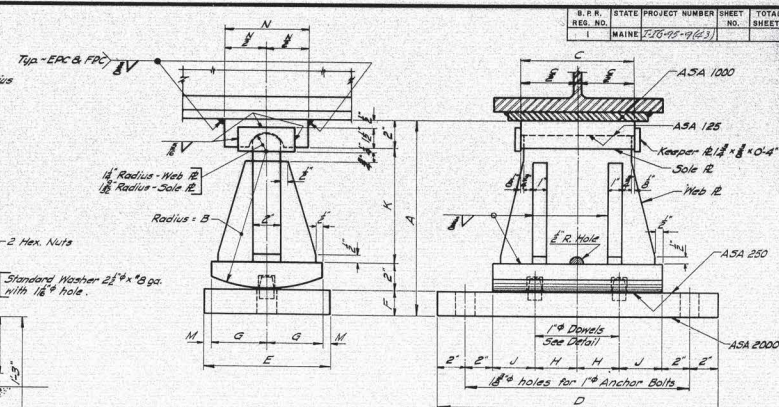
DOWEL DETAIL



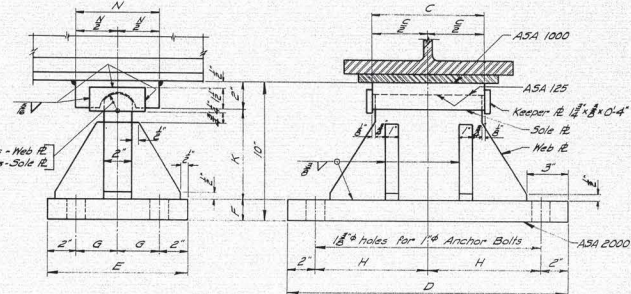
ANCHOR BOLT DETAIL



For EPA & EPB
MASONRY PLATE



EXPANSION PEDESTAL - EPC



FIXED PEDESTAL - FPC

NOTE: At the location of bearing pedestals the concrete bridge seats shall be dressed one inch larger all around than size of masonry plates and to exact elevations shown on the plans. It is desired to leave the surface of the surrounding bridge seat a small channel shall be cut to the edge of the bridge seat for drainage where required by the Engineer. Channels shall have a min. width of 6" and min. slope of 1 inch per foot. No separate payment for this work will be made as it shall be considered incidental to contract items.

DESIGN SPECIFICATIONS

A.A.S.H.O., *Standard Specifications for Highway Bridges*, 1961, with *Interim Specifications*, 1961 & 1962

A.S.T.M. STEEL CLASSIFICATION

Anchor Bolts ~ A7, A36, or A 307
All other ~ A36.

PEDESTALS		ALLOWABLE LOADS & DIMENSIONS													
<i>Reactor</i>	<i>Load</i>	A	B	C	D	E	F	G	H	J	K	L	M	N	
FPA	152*	—	—	—	—	—	—	—	—	—	8"	4"	3 1/2"	—	
FPA	150*	—	—	—	—	—	—	—	—	—	8"	4"	3 1/2"	—	
EPB-1	120*	—	6"	8"	1 1/2"	8"	10"	6"	7 1/2"	2"	8"	4"	4"	5 1/2"	
EPB-2	165*	—	7"	10"	1 1/8"	9"	10 1/2"	7"	8"	10"	5"	4"	4"	5 1/2"	
EPB-3	224*	—	8"	1 1/4"	2 1/8"	10"	1 1/4"	7"	10"	4 1/2"	1 1/2"	5"	5"	4 1/2"	
FPB-1	120*	—	6"	8"	1 1/8"	8"	—	—	7 1/2"	8"	—	—	—	—	
FPB-2	165*	—	7"	10"	1 1/8"	9"	—	—	8"	3"	—	—	—	—	
FPB-3	224*	—	8"	1 1/2"	2 1/8"	10"	—	—	10"	5"	—	—	—	—	
EPG-1	70*	9 1/2"	6"	8"	1 1/8"	8"	1 1/2"	3 1/2"	3"	3"	4 1/2"	—	1"	6"	
EPG-2	100*	1 1/4"	8"	6"	1 1/8"	8"	1 1/2"	3 1/2"	3"	3"	6 1/2"	—	1"	6"	
EPG-3	160*	1 1/2"	10"	8"	1 1/8"	9"	1 1/2"	4"	4"	3"	5 1/2"	—	1"	7"	
EPG-4	200*	1 1/2"	10"	8"	1 1/8"	9"	1 1/2"	4"	4"	3"	5 1/2"	—	1"	7"	
EPG-5	190*	1 1/2"	10"	10"	2 1/8"	10"	2"	4 1/2"	5"	3"	6 1/2"	—	1"	8"	
EPG-6	220*	1 1/2"	10"	10"	2 1/8"	10"	2"	5"	5"	3"	10 1/2"	—	1"	8"	
EPG-7	220*	1 1/2"	10"	10"	2 1/8"	10"	2"	5"	5"	4"	10 1/2"	—	1"	8"	
FGP-1	100*	—	8"	1 1/8"	9"	1 1/2"	2 1/2"	8"	—	6 1/2"	—	—	—	6"	
FGP-2	160*	—	8"	1 1/8"	10"	1 1/2"	3"	8"	—	6 1/2"	—	—	—	7"	
FGP-3	160*	—	8"	2 1/8"	10"	1 1/2"	3"	10"	—	6 1/2"	—	—	—	8"	
FGP-4	220*	—	10"	2 1/8"	10"	1 1/2"	3"	10"	—	6 1/2"	—	—	—	8"	
FGP-5	250*	—	10"	2 1/8"	10"	1 1/2"	4"	10"	—	6 1/2"	—	—	—	8"	

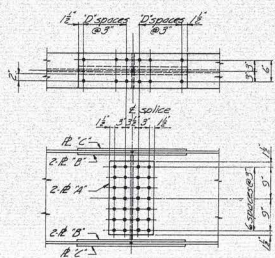
MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

STANDARD DETAILS

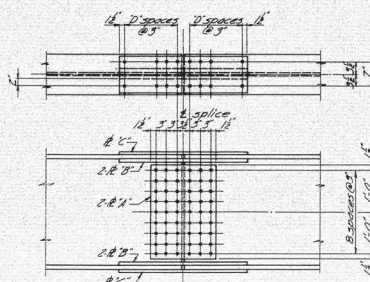
(BD 101 - 64)

BEARING PEDESTALS

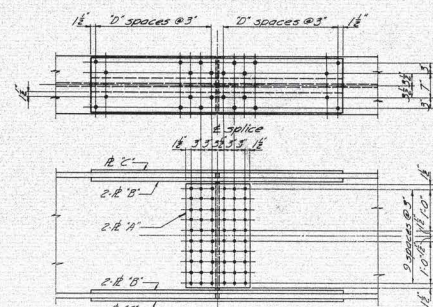
JANUARY 1964



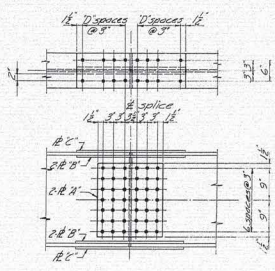
27 WF 84



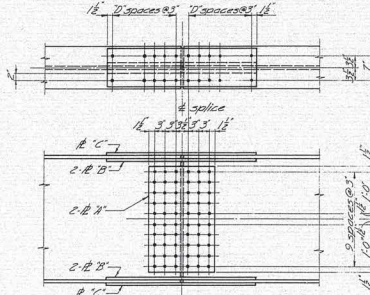
33 WF 118, 130, 141, 152



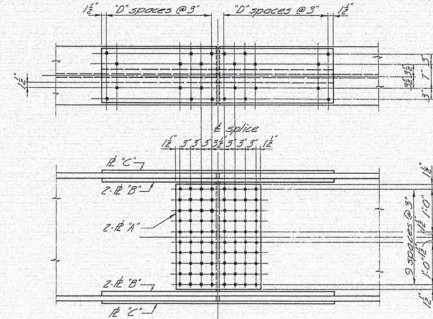
36 WF 245, 280



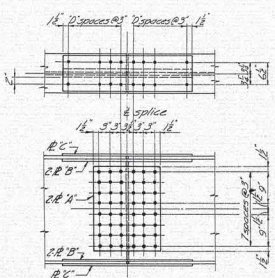
27 WF 94, 102, 114



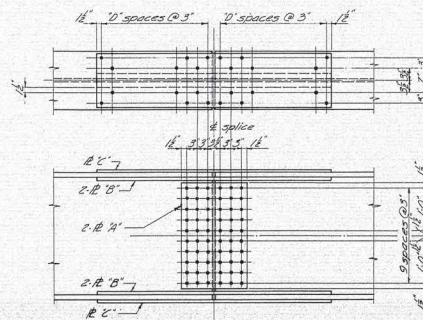
36 WF 135, 150, 160, 170, 182, 194



36 WF 300



30 WF 99, 108, 116, 124, 132



36 WF 230, 260

SPlice DESIGN, PLATES AND FLANGE HOLES									
BEAM	BEND. M.	SHEAR	PLATE "A"	PLATE "B"	PLATE "C"	"D"			
27" 84	3070"	111"	12 1/2 x 6	4 x 6	10 x 6	3			
27" 94	3260"	115"	12 1/2 x 6	4 x 6	10 x 6	3			
27" 102	3460"	118"	12 1/2 x 6	4 x 6	10 x 6	4			
27" 114	4341"	140"	12 1/2 x 6	4 x 6	10 x 6	4			
30" 99	3921"	130"	12 1/2 x 6	4 x 6	10 x 6	3			
30" 108	4360"	147"	12 1/2 x 6	4 x 6	10 x 6	4			
30" 116	4780"	152"	12 1/2 x 6	4 x 6	10 x 6	4			
30" 124	5170"	159"	12 1/2 x 6	4 x 6	10 x 6	4			
30" 132	5530"	168"	12 1/2 x 6	4 x 6	10 x 6	5			
33" 118	5081"	164"	12 1/2 x 6	4 x 6	11 x 6	4			
33" 130	5978"	175"	12 1/2 x 6	4 x 6	11 x 6	5			
33" 141	6604"	181"	12 1/2 x 6	4 x 6	11 x 6	5			
33" 152	7193"	191"	12 1/2 x 6	4 x 6	11 x 6	6			
36" 135	6473"	191"	12 1/2 x 6	4 x 6	11 x 6	4			
36" 150	7436"	202"	12 1/2 x 6	4 x 6	11 x 6	5			
36" 160	8005"	212"	12 1/2 x 6	4 x 6	11 x 6	6			
36" 170	8519"	222"	12 1/2 x 6	4 x 6	11 x 6	7			
36" 182	9004"	231"	12 1/2 x 6	4 x 6	11 x 6	7			
36" 194	9838"	239"	12 1/2 x 6	4 x 6	11 x 6	8			
36" 230	12576"	247"	12 1/2 x 6	6 x 1	16 x 6	10			
36" 245	13441"	260"	12 1/2 x 6	6 x 1	16 x 6	11			
36" 260	14350"	276"	12 1/2 x 6	6 x 1	16 x 6	12			
36" 280	15351"	291"	12 1/2 x 6	6 x 1	16 x 6	13			
36" 300	16676"	312"	12 1/2 x 6	6 x 1	16 x 6	14			

GENERAL NOTES

1. Splice connections to be made with 8 # high tensile strength bolts. Holes to be 1/8 inch.
2. The design bending moment is 50% of the net resisting moment of the beam with an allowable stress of 20,000 p.s.i. The design shear is 75% of the shear strength of the gross section of the web with an allowable stress of 12,000 p.s.i.
3. If beams of different sizes are to be spliced, use splice details shown for the smaller of the beams being spliced unless otherwise directed by design details. See design details for filler plate dimensions.
4. See design details for slopes of beams in order to correctly fabricate bevels at the splices.

A.S.T.M. STEEL CLASSIFICATION

High Tensile Strength Bolts..... A-325
Splice Plates..... A-36

DESIGN SPECIFICATIONS

AASHTO Standard Specifications for Highway Bridges, 1961 with Interim Specifications, 1961 & 1962

MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

STANDARD DETAILS
(BD 103-64)
BEAM SPLICES

Revised Feb. 1966

JANUARY 1964

101-246 ISLAND FALLS (43)

