

AS BUILT #7324

SR 17  
EAST FOSTER CREEK TO SR 174

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION  
OLYMPIA, WASHINGTON

SCALE HORIZ 1 INCH = 100 FEET VERT. 1 INCH = 10 FEET  
STATION 952+00 TO STATION 1375+00 CONSTRUCTED LENGTH 8.03 MILE  
CONTRACT NO 2468 F A NO F-017(9) CONTRACTOR N.A. DEGERSTROM, INC.  
WORK BEGUN MAY 16, 1983 WORK COMPLETED AUGUST 28, 1984  
PROJECT ENGINEER ROBERT A. MURRAY DISTRICT TRANSPORTATION ADMINISTRATOR ROLAND C. COOK, P.E.  
APPROVED 19

SECRETARY OF TRANSPORTATION



# INDEX

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## INDEX (CONTINUED)


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No Change

FOR "AS CONSTRUCTED  
PLANS" ONLY

SR 174  
Leahy To East Foster Creek  
Douglas Co.  
Sheet 1 of 32 Sheets

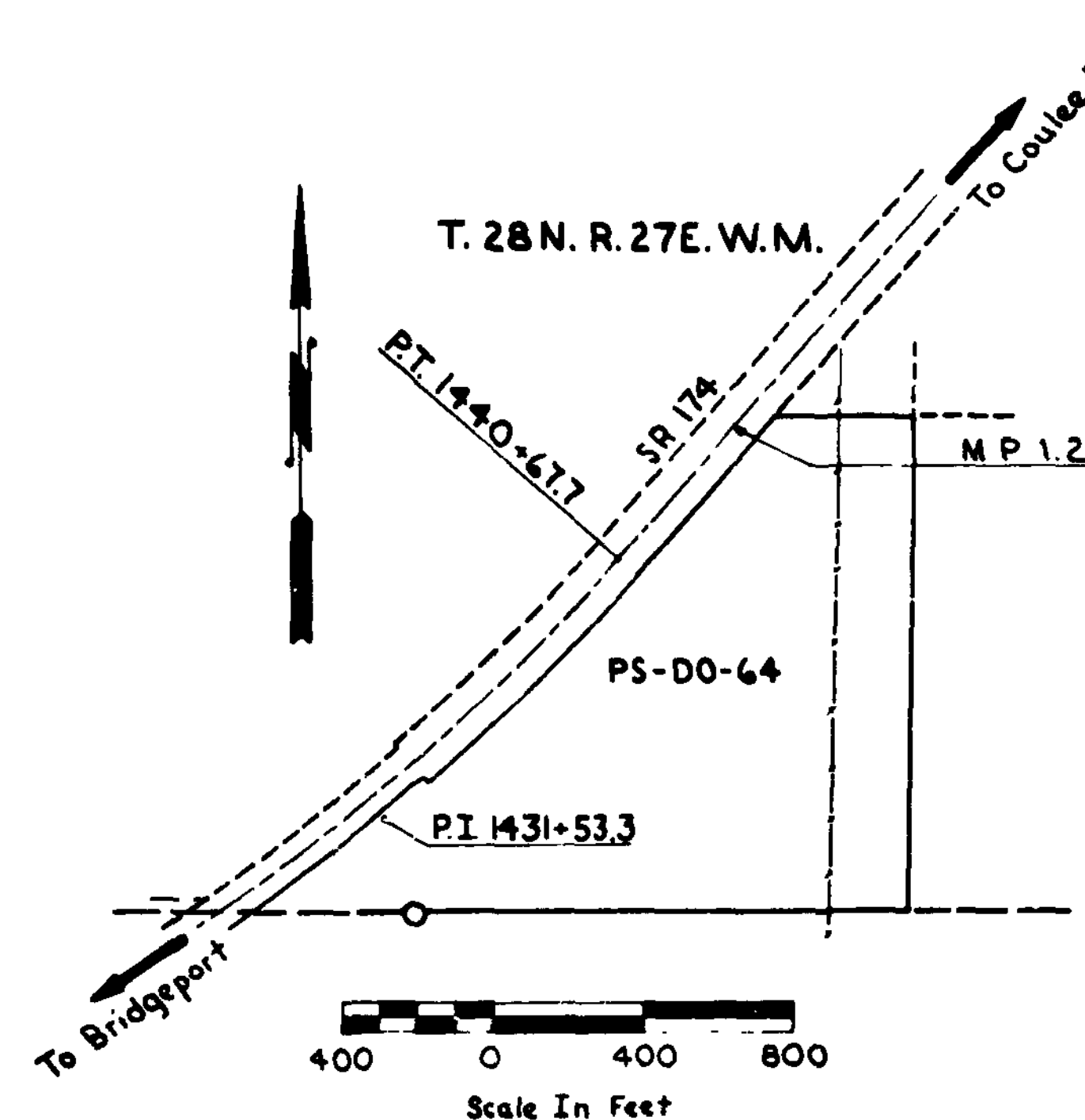
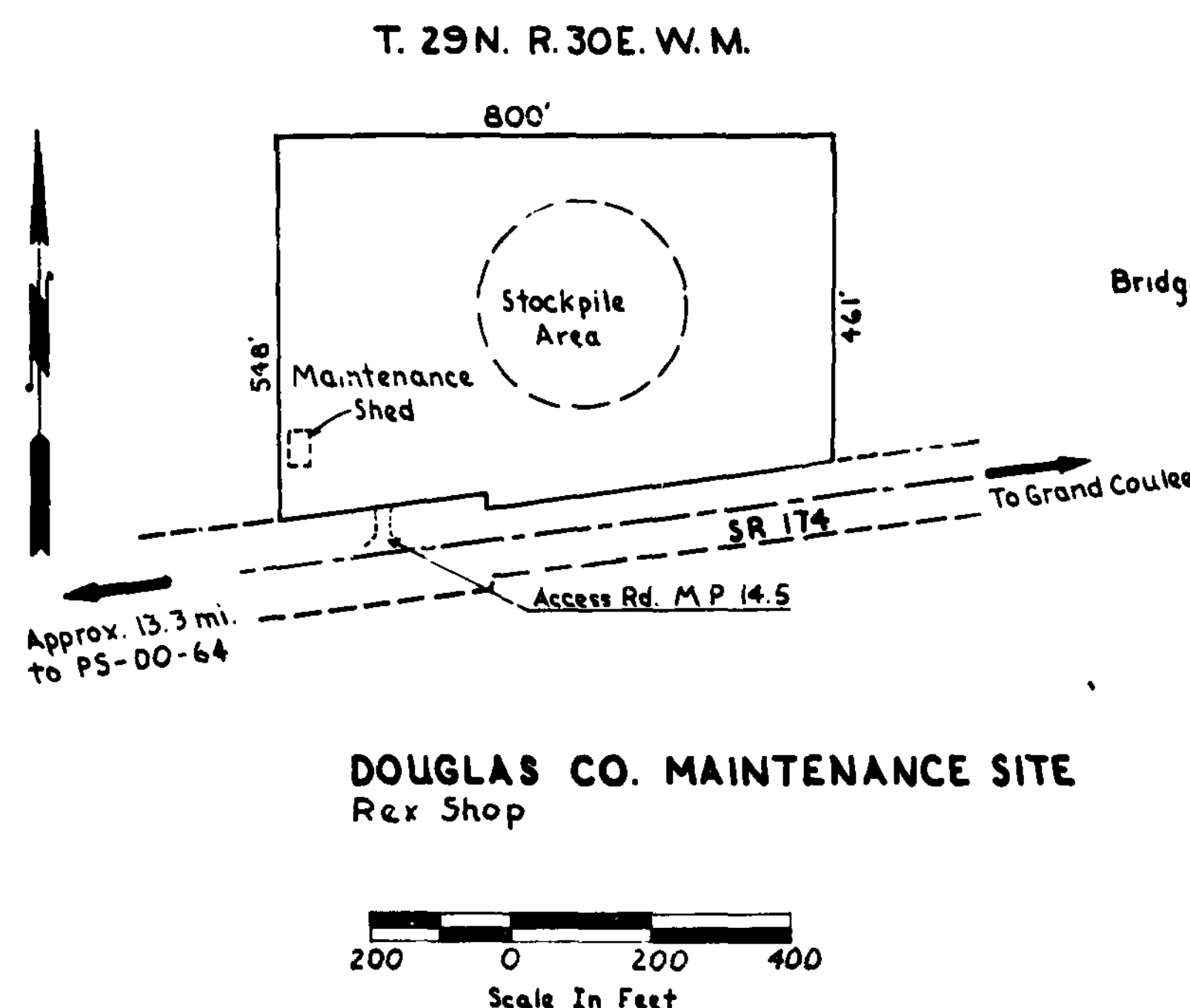
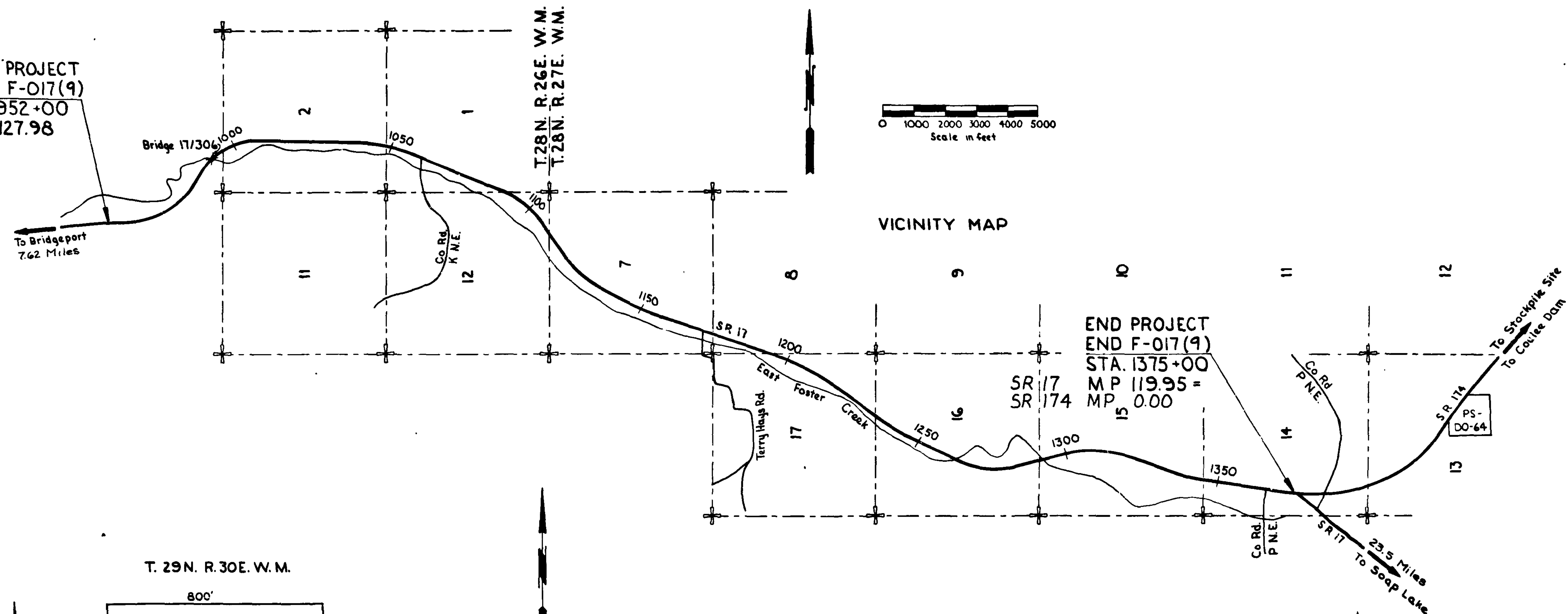
Sheet 1 of 32 Sheets

DRAWN		REGION NO.		STATE		FED. AID PROJ. NO.		DIVISION OF HIGHWAYS		Washington State Department of Transportation		SR 17 EAST FORSTER CREEK TO SR 174		SHEET 1 TO 32 SECTION
CHECKED		10		WASH		F-017(9)		 Jan 31, 1983 APPROVED <i>L.G. Moen</i> PROJECT DEVELOPMENT ENGINEER		INDEX				
PROJ. ENGR.		JOB NUMBER 82E217												
DIST. ADM.		CONTRACT NO.												
DATE		REVISION		BY APPD		2468								

Leahy To East Foster Creek  
Douglas Co.

Sheet 2 of 32 Sheets

BEGIN PROJECT  
BEGIN F-017(9)  
STA. 952+00  
MP 127.98



REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
10	WASH	F-017 (9)		
JOB NUMBER 82E217				
CONTRACT NO. 2468				
DATE 3-1-83				
REVISION				
BY APP'D				



Jan 31, 1983  
APPROVED

HIGHWAY DIVISION



Washington State  
Department of Transportation

SR 17  
EAST FOSTER CREEK TO SR 174

VICINITY MAP

# SUMMARY OF QUANTITIES

82E217/05

## PROJECT LIMITS

SR 17: MP 127.98 TO MP 119.95 =

LENGTH: 8.030 MILES

42,397.70 L.F.

STA. 952+00 TO STA. 1375+00

EQUATION: STA. 1008+47.70 BK.=

STA. 1007+50.00 AND.

ITEM NO.	TOTAL QUANTITY	STD. ITEM NO.	UNIT	ITEM
<b>PREPARATION</b>				
1	40,500	0001	L.S.	MOBILIZATION
2	1,000	0035	L.S.	CLEARING AND GRUBBING
3	100	0045	L.S.	CLEARING AND GRUBBING - SITE PS-00-64
4	6,320.5	0045	C.Y.	STRIPPING INCLUDING HAUL - SITE PS-00-64
5	500		L.S.	PREPARATION OF STOCKPILE SITE - REX SHOP
6	2,237	0230	L.F.	REMOVING WIRE FENCE
<b>GRADING</b>				
7	49,624	0300	C.Y.	ROADWAY EXCAVATION
8	0		DOLLAR	REMOVE UNSUITABLE SHOULDER MATERIAL
9	21,514	0400	UNIT	HAUL
10	819.8	0444	S.Y.	CONSTRUCTION FABRIC FOR FILTER
11	724.4	0448	S.Y.	CONSTRUCTION FABRIC FOR SOIL STABILIZATION
12	33,368	0470	C.Y.	EMBANKMENT COMPACTION
<b>STOCKPILING</b>				
13	4,377	0720	TON	CRUSHED SCREENING 1/2 INCH TO 1/4 INCH IN STOCKPILE
<b>TRAINING</b>				
14	308.5	1030	C.Y.	DITCH EXCAVATION INCLUDING HAUL
15	749	1040	C.Y.	CHANNEL EXCAVATION INCLUDING HAUL
16	785.4		C.Y.	SPECIAL RIPRAP
17	40.9	1080	L.F.	RELAYING CONCRETE CULVERT PIPE 18 INCH DIAMETER
18	24	1080	L.F.	RELAYING CONCRETE CULVERT PIPE 24 INCH DIAMETER
19	399	1180	L.F.	SCHEDULE A CULVERT PIPE 12 IN. DIAMETER
20	100	1200	L.F.	CL. II REINF. CONCRETE CULVERT PIPE 18 IN. DIAMETER
21	66.3	1224	L.F.	CL. II REINF. CONCRETE CULVERT PIPE 24 IN. DIAMETER
22	18	1228	L.F.	CL. II REINF. CONCRETE CULVERT PIPE 36 IN. DIAMETER
23	68	1313	L.F.	PLAIN STEEL CULVERT PIPE 0.064 IN. THICK 18 IN. DIAM.
<b>STRUCTURE</b>				
24	543.03	4455	S.Y.	MEMBRANE WATERPROOFING (DECK SEAL)
<b>SURFACING</b>				
25	44,480.87	5060	TON	GRAVEL BASE CLASS B
26	73,991.74	5120	TON	CRUSHED SURFACING TOP COURSE
<b>LIQUID ASPHALT</b>				
27	271.97	5225	TON	ASPHALT RC-250
28	559.18	5295	TON	ASPHALT CRS-2
29	0	5334	DOLLAR	ANTI-STRIPPING ADDITIVE
<b>BITUMINOUS SURFACE TREATMENT</b>				
30	7.94	5400	MILE	PROCESSING AND FINISHING
31	379	5410	C.Y.	MINERAL AGGREGATE FROM STOCKPILE FOR BST
32	1,990.5	5420	C.Y.	FURNISHING AND PLACING CRUSHED COVER STONE
33	4,239.5	5430	C.Y.	FURNISHING AND PLACING CRUSHED SCREENING 1/2 TO 1/4
<b>ASPHALT CONCRETE PAVEMENT</b>				
34	87.64	5790	TON	ASPHALT CONCRETE PAVEMENT CLASS G INCL. PAVING ASPHALT
<b>SEEDING AND PLANTING</b>				
35	32.02	6414	ACRE	SEEDING, FERTILIZING AND MULCHING
36	32.02	6445	ACRE	SOIL BINDER OR TACKING AGENT
<b>TRAFFIC</b>				
37	2,580	6751	L.F.	BEAM GUARD RAIL TYPE 1
38	22	6771	EACH	BEAM GUARD RAIL ANCHOR TYPE 1
39	61,146.88	6981	DOLLAR	LABOR FOR TRAFFIC CONTROL
<b>OTHER ITEMS</b>				
40	476.6	7006	C.Y.	STRUCTURE EXCAVATION CLASS B INCLUDING HAUL
41	113.8	7013	C.Y.	GRAVEL BACKFILL FOR PIPE BEDDING
42	4,124.9	7018	MGAL	WATER
43	83	7150	C.Y.	GABION CRIBBING
44	24	7152	C.Y.	GABION REVETMENT
45	287	6783	L.F.	RAISING EXISTING BEAM GUARD RAIL
46	500	7400	HR	TRAINING

F-017(9) STATE FUNDS				STATE PS FUNDS		STATE FUNDS															
SR 17				SR 17																	
GROUP 1		GROUP 2	GROUP 3	GROUP 4	GROUP 5	GROUP 6	GROUP 12														
952+00 TO 1375+00	PIT SITE PS-00-64	SAFETY IMPROVE- MENTS	BRIDGE NO. 17/308	E.E.O. TRAINING	STOCK- PILING REX SHOP	STOCK- PILING BP-00-2246	HAUL CSTC														
CS 083200	CS 083200	CS 083200	CS 083200	CS 083200	CS 063200	CS 083200															
38,298.06		1,228.71	279.14		563.26	130.84															
1,000																					
	100																				
	6,320.5																				
2,237					500																
49,624																					
0																					
21,514																					
819.8																					
724.4																					
33,368																					
					3,496	881															
308.5																					
749																					
735.4																					
40.9																					
24																					
399																					
196																					
66.3																					
18																					
68																					
			343.03																		
44,480.87																					
73,991.74																					
271.97																					
559.18																					
0																					
7.94																					
379																					
1,990.5																					
4,239.5																					
46.08			41.58																		
32.02																					
32.02																					
		2,580																			
		22																			
59,900.31		1,246.57																			
476.6																					
113.6																					
4,124.9																					
83																					
24																					
		287																			
				500																	

NOTE: FOR SPECIAL FEATURES SEE SPECIAL PROVISIONS

FOR "AS CONSTRUCTED  
PLANS" ONLY

REGION STATE		FED.AID PROJ.NO.	DIVISION OF HIGHWAYS		Washington State Department of Transportation		SR 17 EAST FOSTER CREEK TO SR 17	
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# SUMMARY OF QUANTITIES


82E217/05

ITEM NO.	TOTAL QUANTITY	STD. ITEM NO.	UNIT	ITEM
47	3,691.55	7480	DOLLAR	ROADSIDE CLEANUP
48	3,000	7490	L.S.	TRIMMING AND CLEANUP
ADDED ITEMS				
49	330.97		DOLLAR	REPAIR EXISTING STEEL IRRIGATION PIPE 6" DIA. F.A.
50	539.5		S.F.	SHORING AND CRIBBING
51	20		L.F.	RELAYING REINF. CONCRETE CULVERT PIPE 48" DIA.
52	2,998.81		TON	PRODUCTION LOST - STATE FURN. CR. SURF. TOP COURSE - CR IT
53	98,267		TON	HAUL CRUSHED SURFACING TOP COURSE
54	1,750.74	6960	DOLLAR	ONE-WAY PILOTED TRAFFIC CONTROL

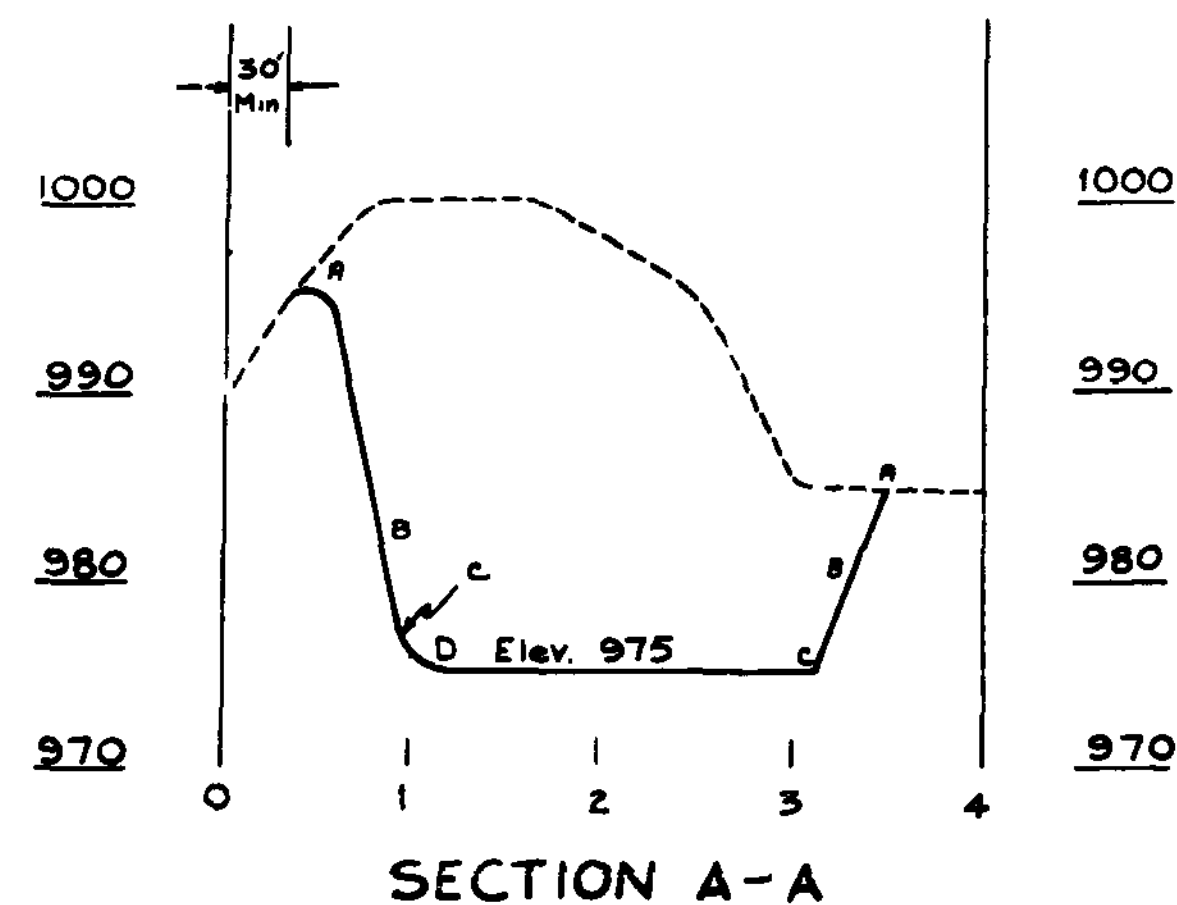
F-017(9) STATE FUNDS				STATE F5 FUNDS		STATE FUNDS															
SC 17				SR 17																	
GROUP 1		GROUP 2	GROUP 3	GROUP 4	GROUP 5	GROUP 6	GROUP 12														
952+00 TO 1375+00	PIT SITE PS-00-64	SAFETY IMPROVE- MENTS	BRIDGE NO. 17/306	E.E.O. TRAINING	STOCK- PILING REX SHOP	STOCK- PILING SF-00-2245	HAUL CSTC														
CS 093200	CS 093200	CS 093200	CS 093200	CS 093200	CS 093200	CS 093200															
3,691.55					42	9															
2,857		92																			
330.97																					
539.5																					
20																					
2,998.81																					
20,942																					
1,750.74																					

NOTE: FOR SPECIAL FEATURES SEE SPECIAL PROVISIONS

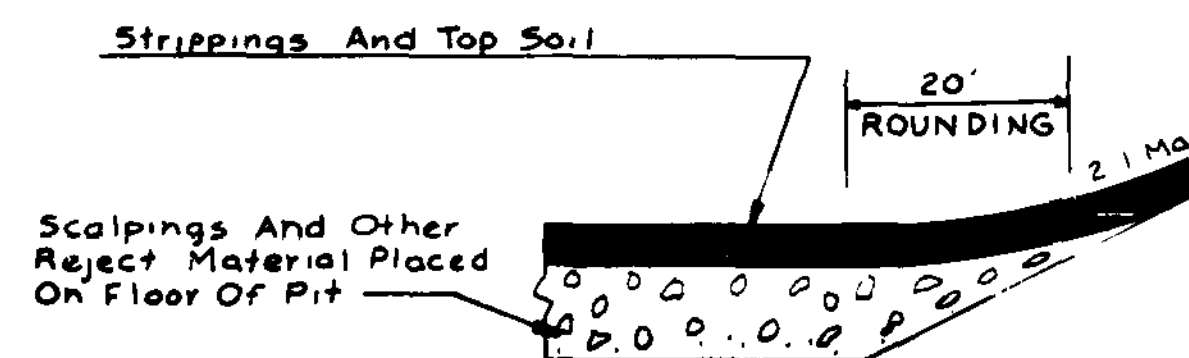
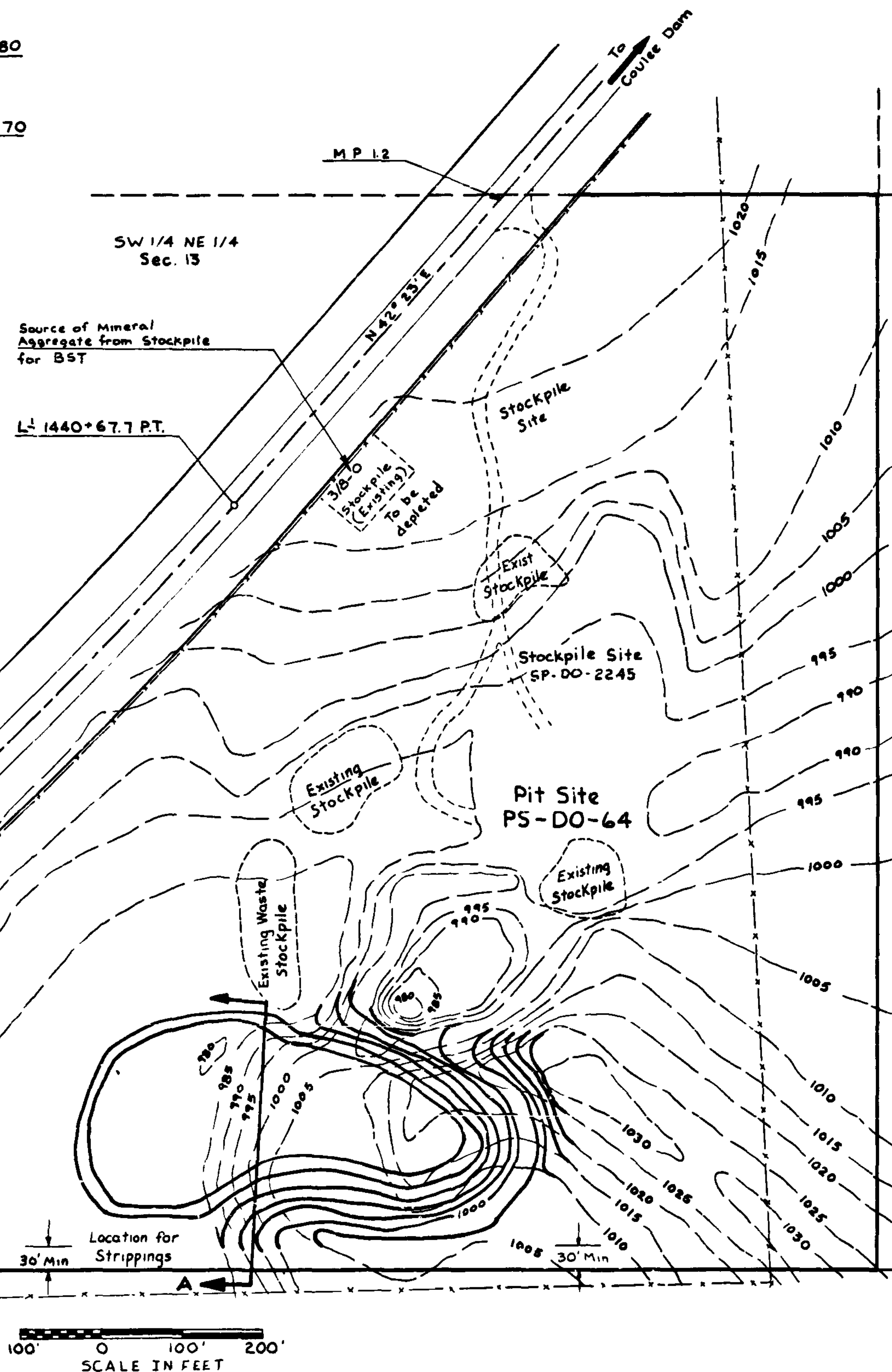
FOR "AS CONSTRUCTED  
PLANS" ONLY

REGION		STATE	FED.AID PROJ.NO.	CONTRACT NO.	TOTAL SHEETS	DIVISION OF HIGHWAYS		Washington State Department of Transportation		SR 17 EAST FOSTER CREEK TO SR 174		SHEET 4 OF 32 SHEETS
10		WASH		F-017(9)		 Jan 31, 1983 APPROVED				SUMMARY OF QUANTITIES		
DATE		REVISION		BY	APPD							

SR 17/05

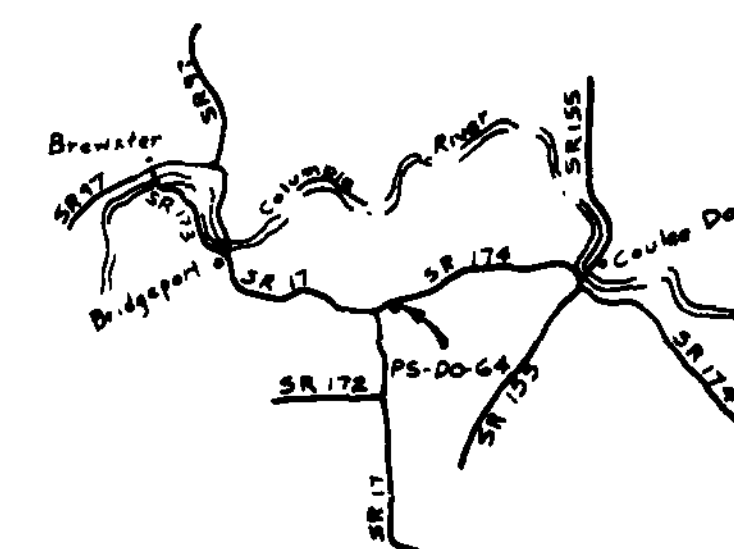


DIMENSIONS	
A	SLOPE TREATMENT CLASS A
B	SLOPES NOT STEEPER THAN 2:1
C	ROUNDING AS REQUIRED FOR NATURAL APPEARANCE
D	SLOPE AS REQUIRED FOR DRAINAGE



NOTES:  
1. No seeding required this contract.

PIT SITE PS-DO-64	
Sufficient material is available for this project	
SOURCE OF MATERIAL FOR PRODUCTION OF	
Crushed Surfacing Top Course	
Gravel Base Class B	
Crushed Coverstone	
Crushed Screening 1/2 Inch to 1/4 Inch	
Gravel Backfill For Pipe Bedding	
Mineral Aggregate From Stockpile For BST	
Clearing and Grubbing-Site PS-DO-64	100.00 DO: LAR
Stripping Including Haul-Site PS-DO-64	6,320.5 LY



LEGEND	
EXISTING CONTOURS	---
INTERIM CONTOURS	---
Contour Interval 5 Feet	

FOR "AS CONSTRUCTED PLANS" ONLY

SR 17  
EAST FOSTER CREEK TO SR 174

INTERIM RECLAMATION PLAN

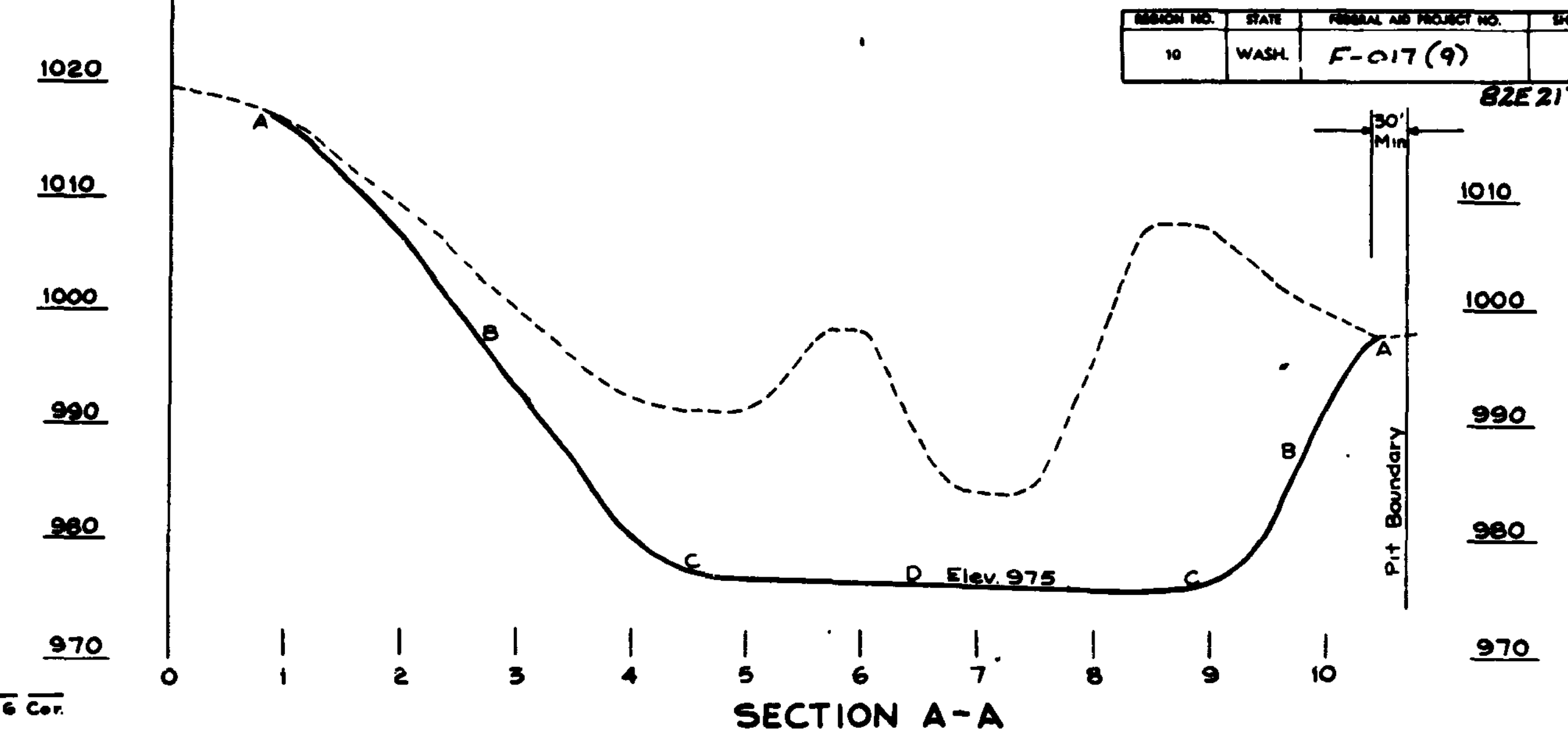
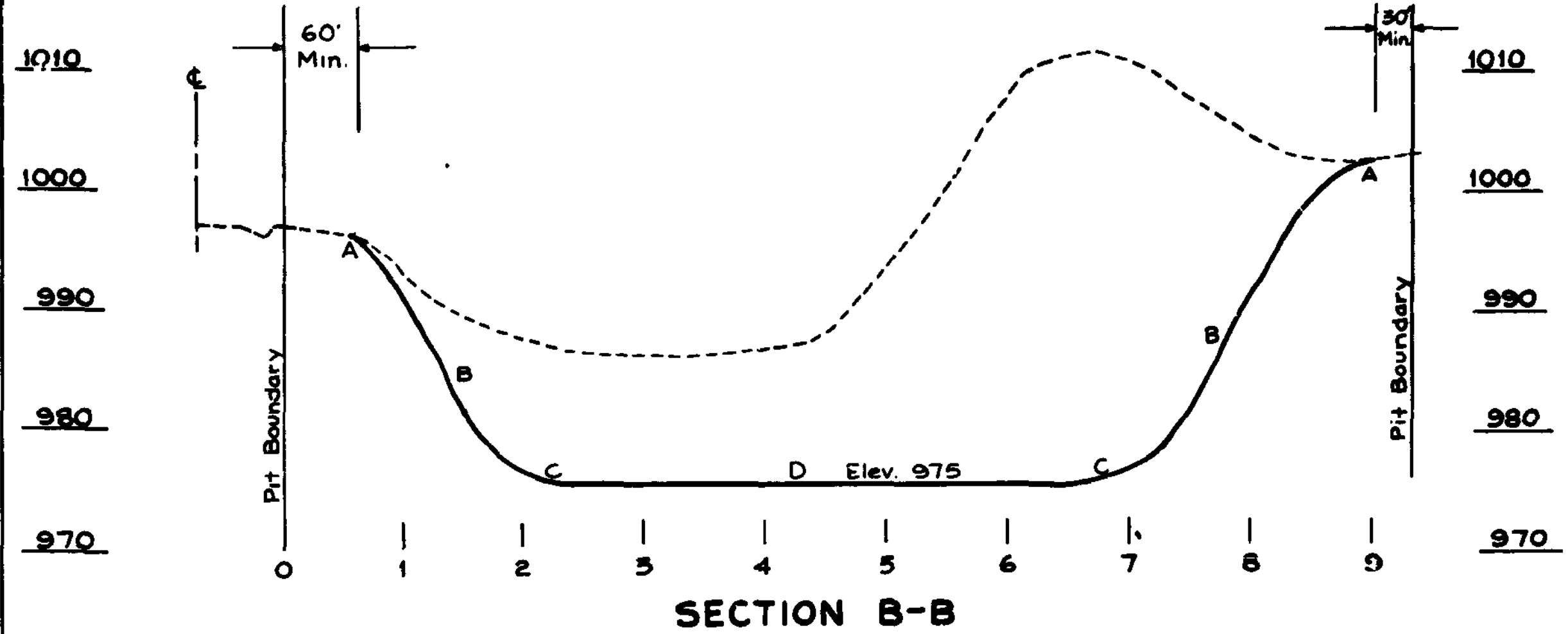
WASHINGTON STATE DEPARTMENT OF TRANSPORTATION  
OLYMPIA, WASHINGTON



18° 27' LT.  
1° 00'  
5730'  
930.6'  
1845.0'

T. 28 N. R. 27 E. W.M.

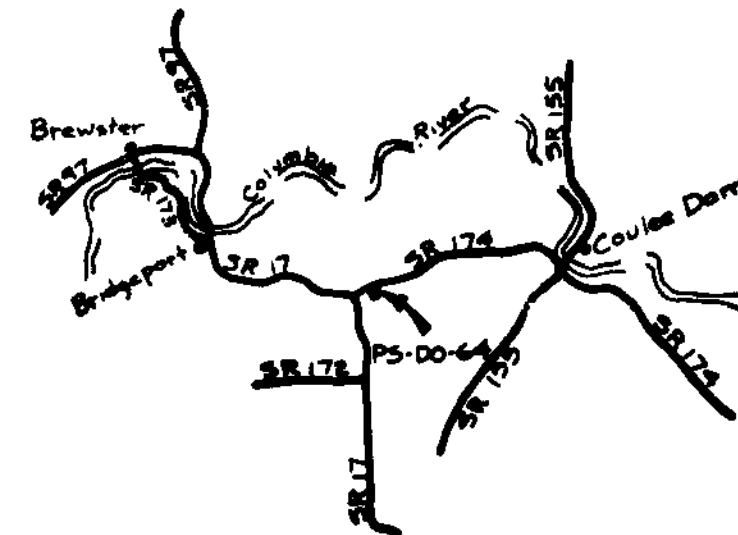
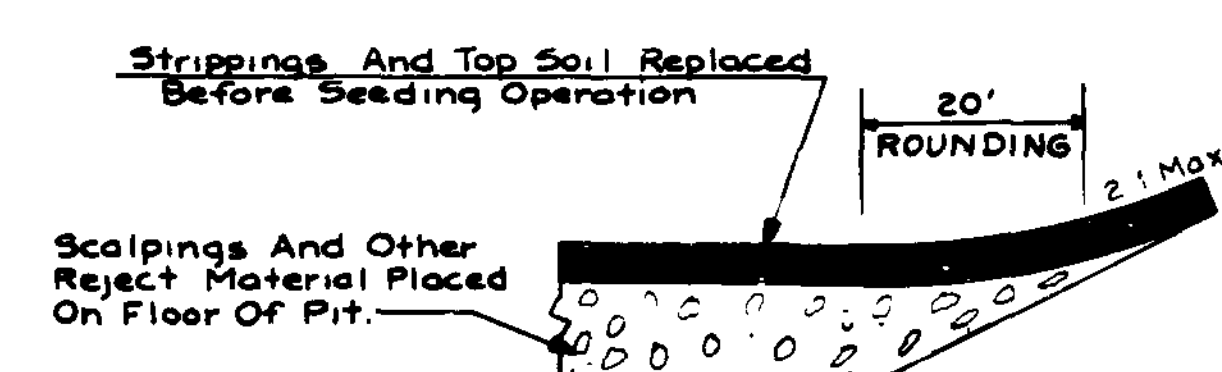
SECTION NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.
10	WASH.	F-017 (9)	82E 217



DIMENSIONS	
A	SLOPE TREATMENT CLASS A
B	SLOPES NOT STEEPER THAN 2:1
C	ROUNDING AS REQUIRED FOR NATURAL APPEARANCE
D	SLOPE AS REQUIRED FOR DRAINAGE

NOTES:

1. The Surrounding Area Is Scab Land Utilized As Pasture.
2. The Area Is Zoned Agricultural
3. Vegetative Cover Consists Of Sagebrush, Rabbit Brush, And Native Grasses.
4. Pit Site Is Owned By The W.S.D.O.T.
5. No Structures Will Be Erected On This Site.
6. No Salt Will Be Used On This Site.
7. All Slopes, Irregularities And Depleted Stockpiles Will Be Graded And Dressed To Provide A Natural Appearance.
8. Surface And Ground Water Drainage Will Not Present Any Problem Because The Pit Floor Is Granular And Free Draining.
9. The Site Will Be Depleted In Stages As Ultimate Contours Are Achieved, Those Areas Shall Be Seeded, Fertilized And Mulched. Drill Seeding Is Acceptable In Lieu Of Mulching
10. Permanent Stockpiling Will Be Allowed On The Floor Of The Pit.



VICINITY MAP  
— EXISTING CONTOUR  
— ULTIMATE CONTOUR  
CONTOUR INTERVAL 5 FT

No Change  
**FOR "AS CONSTRUCTED PLANS" ONLY**

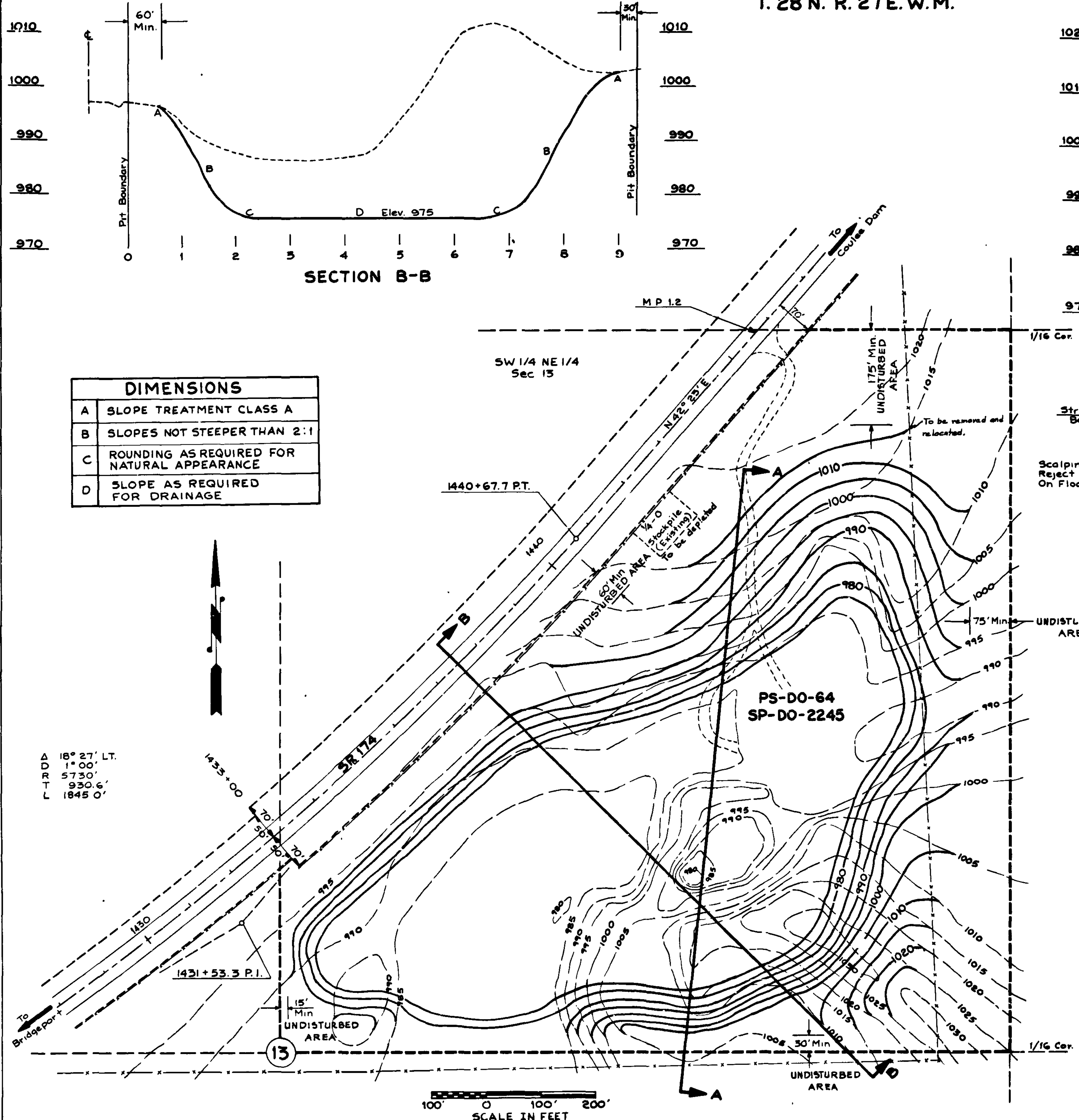
**SR 17  
EAST FOSTER CREEK TO SR 174**

ULTIMATE RECLAMATION PLAN

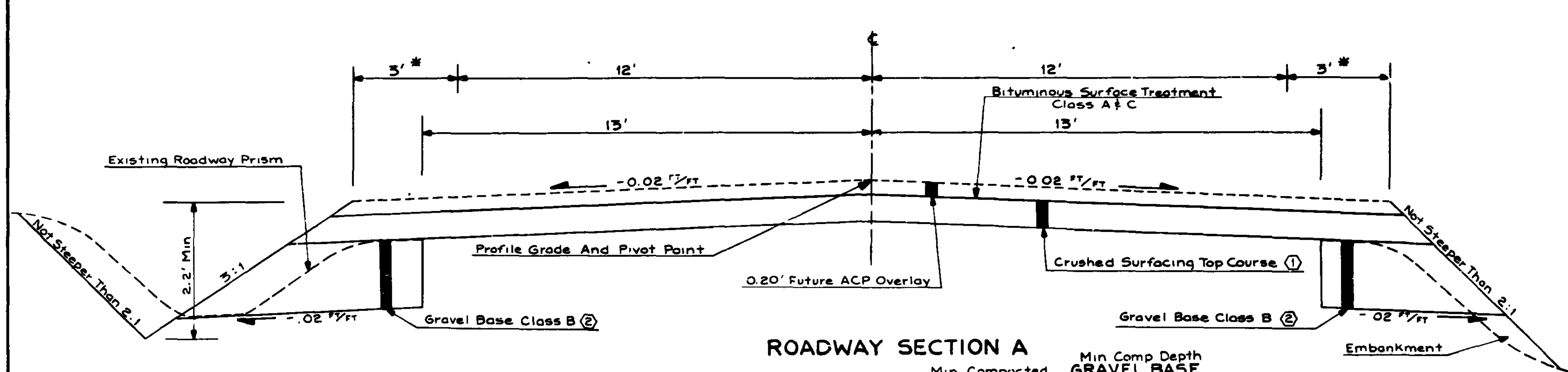
WASHINGTON STATE DEPARTMENT OF TRANSPORTATION  
OLYMPIA, WASHINGTON



APPROVED Jan 31, 1983  
CONTRACT NUMBER 2468 SHEET 6 OF 32 SHEETS







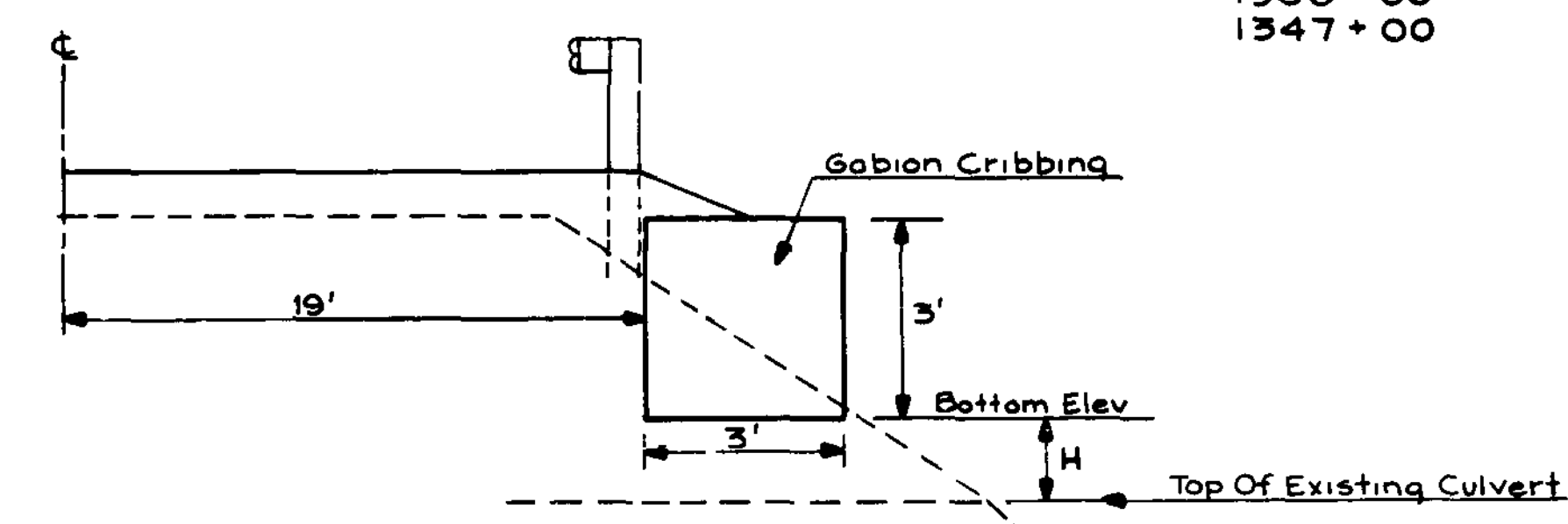
### ROADWAY SECTION A

STATION TO	STATION	Min Compacted DEPTH CSTC (1)	Min Comp Depth GRAVEL BASE CLASS B (2)
952+00	974+00	0.20'	1.0'
974+00	987+00	0.60'	1.0'
987+00	**990+78.4	Var. 0.60'-0	1.0'
**991+95.7	998+00	Var. 0'-0.60'	1.0'
998+00	1008+47.7 BK.	0.40'	1.3'
1007+50 AHD.	1017+00	0.40'	1.3'
1017+00	1022+00	0.40'	1.0'
1022+00	1073+00	0.60'	1.0'
1073+00	1107+00	1.00'	1.0'
1107+00	1121+00	0.60'	1.0'
1121+00	1184+00	0.20'	1.0'
1184+00	1207+25	0.40'	1.0'
1207+25	1231+00	0.20'	1.0'
1232+50	1300+00	0.20'	1.0'
1300+00	1347+00	0.80'	1.0'
1347+00	1375+00	0.30'	1.0'

\* Refer to Standard Plan C-6 for shoulder widening in guard rail areas  
 \*\* See Asphalt Concrete Pavement Taper Detail At Bridge No 17/306 Sheet 8

SEE SPECIAL PROVISIONS:  
 1 Roadway Excavation And Embankment  
 2 Crushed Surfacing Construction

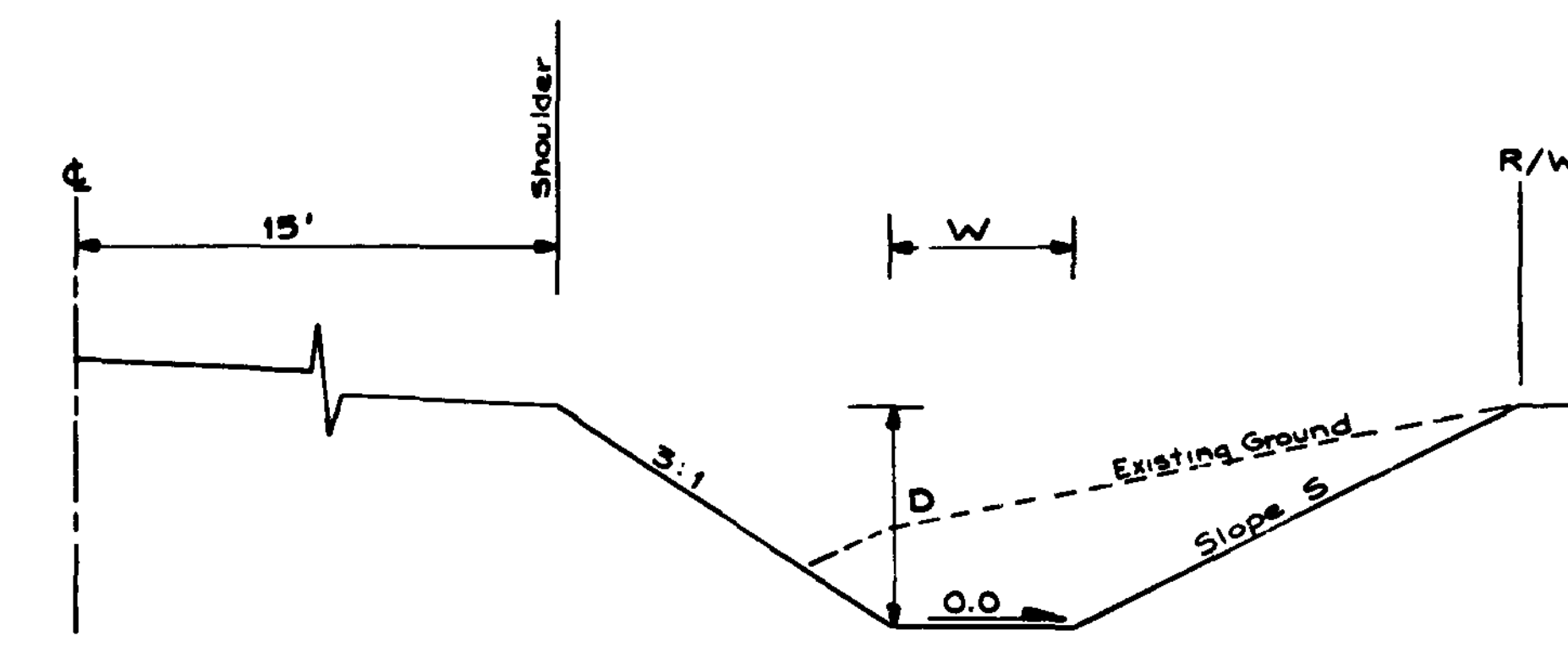
**EQUATIONS**  
 1008 + 47.7 BK. = 1007 + 50 AHD.



### GABION CRIBBING PLACEMENT DETAIL

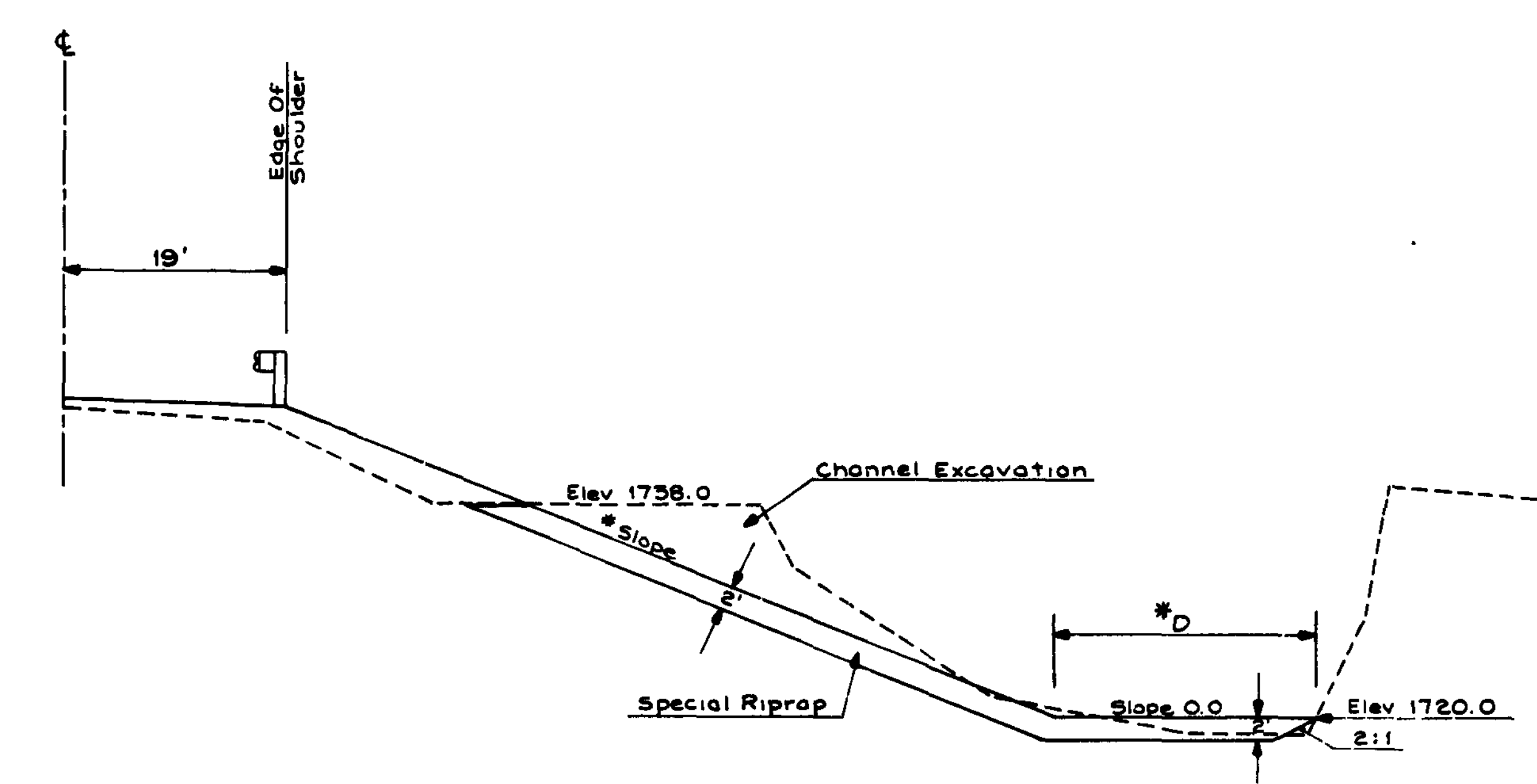
STATION TO	STATION	H
964+89	965+13 RT.	0.5'
1027+43	1027+82 RT.	15.7'
1027+60	1027+99 LT.	11.7'
1112+95	1113+16 RT.	0.4'
1112+95	1113+16 LT.	0.4'

SEE SPECIAL PROVISION:  
 1. Gabions



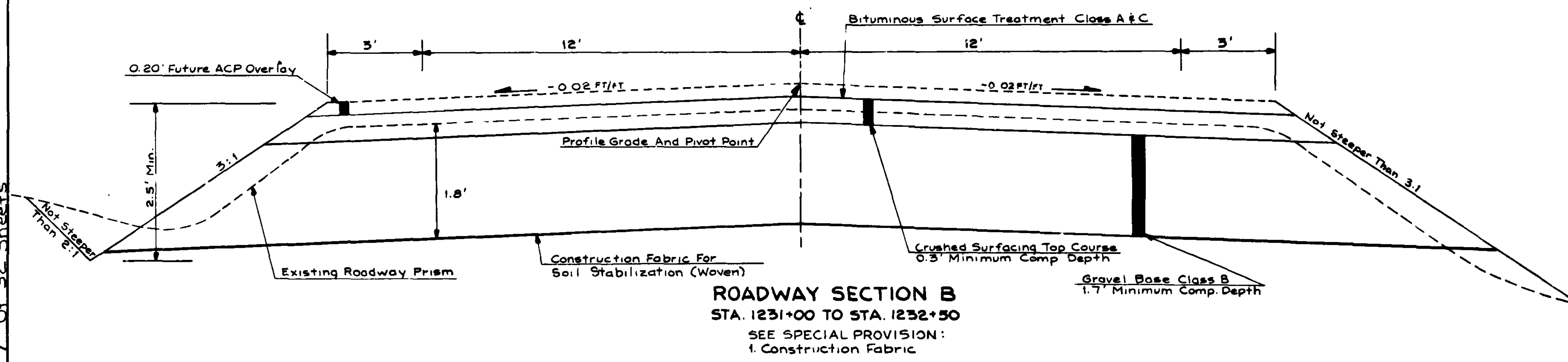
### DETAIL NO. 1 TO ROADWAY SECTION A

STATION TO	STATION	D	W	S
968+00	979+00 LT.	3	6	3:1
981+00	989+75 RT.	3	5	3:1
1003+00	1015+00 LT.	3	15	4:1
1003+00	1015+00 RT.	3	15	4:1
1157+00	1174+00 LT.	3	30	3:1
1200+00	1212+00 LT.	3	8	2:1
1202+00	1211+00 RT.	3	4	3:1
1219+00	1227+00 LT.	6	10	3:1



### DETAIL NO. 2 TO ROADWAY SECTION A

STATION	*SLOPE	*D
1049+00	2:1	18
1049+20	2:1	12
1049+50	2:1	10
1050+00	2.5:1	17
1050+35	3:1	25



### ROADWAY SECTION B

STA. 1231+00 TO STA. 1232+50

SEE SPECIAL PROVISION:  
 1. Construction Fabric

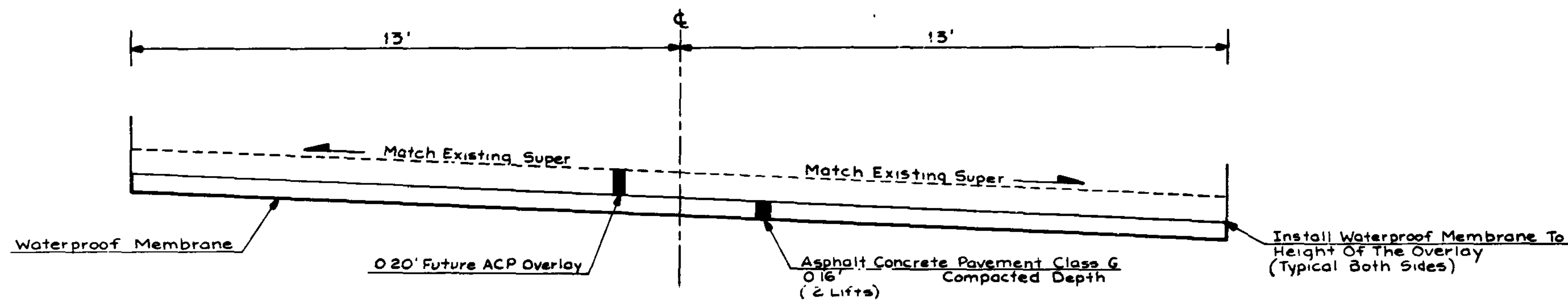
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**FOR "AS CONSTRUCTED PLANS" ONLY**

PROJ ENGR BOB MURRAY DATE REVISION BY APP'D	10 WASH F-017 (9)	JOB NUMBER 82E217	CONTRACT NO 2468	Jan 31, 1983 APPROVED	Washington State Department of Transportation	SR 17 EAST FOSTER CREEK TO SR 174	ROADWAY SECTIONS

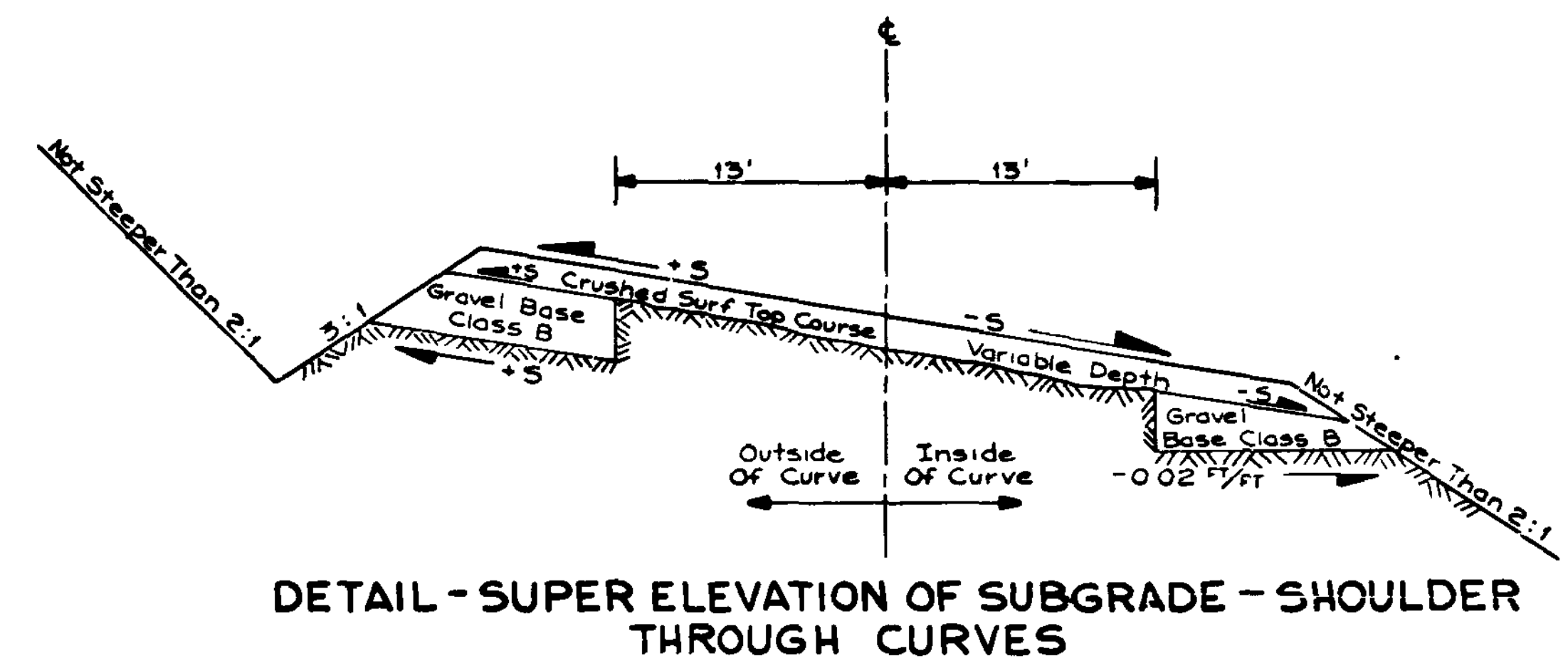
Sheet 7 of 32 Sheets

East Foster Creek Douglas Co

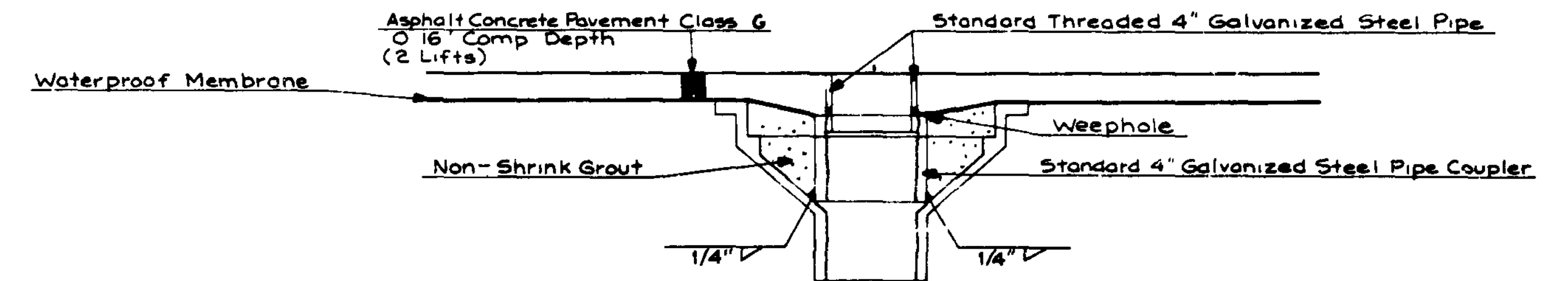




**ROADWAY SECTION C**  
STA. 990+78.4 TO STA. 991+95.7  
Bridge No. 17/306  
SEE SPECIAL PROVISION:  
"Paving At Bridge No. 17/306"

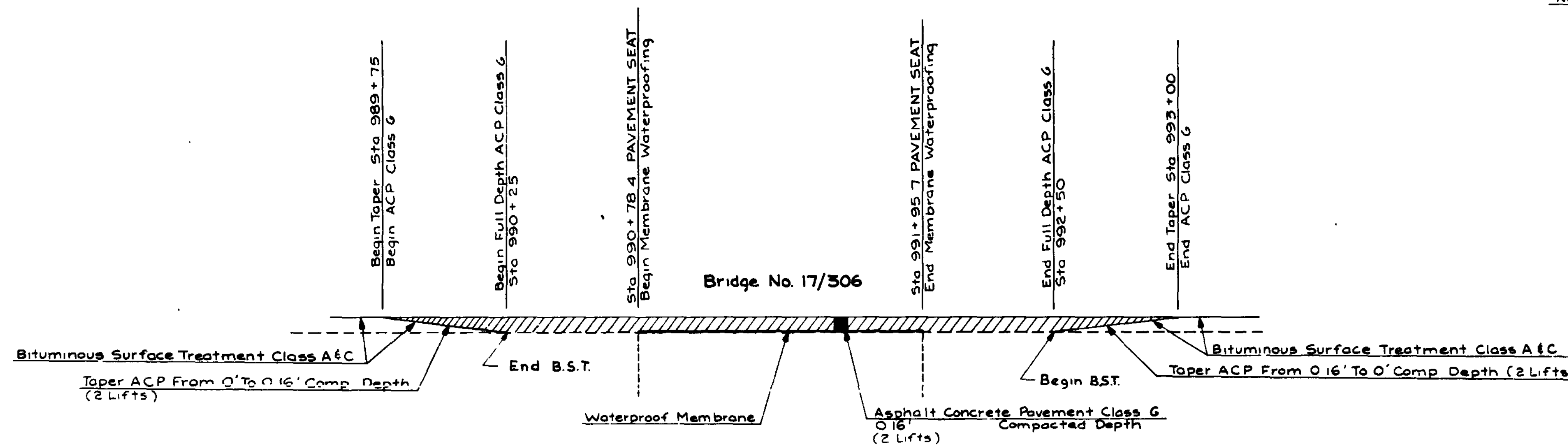


**DETAIL - SUPER ELEVATION OF SUBGRADE - SHOULDER THROUGH CURVES**



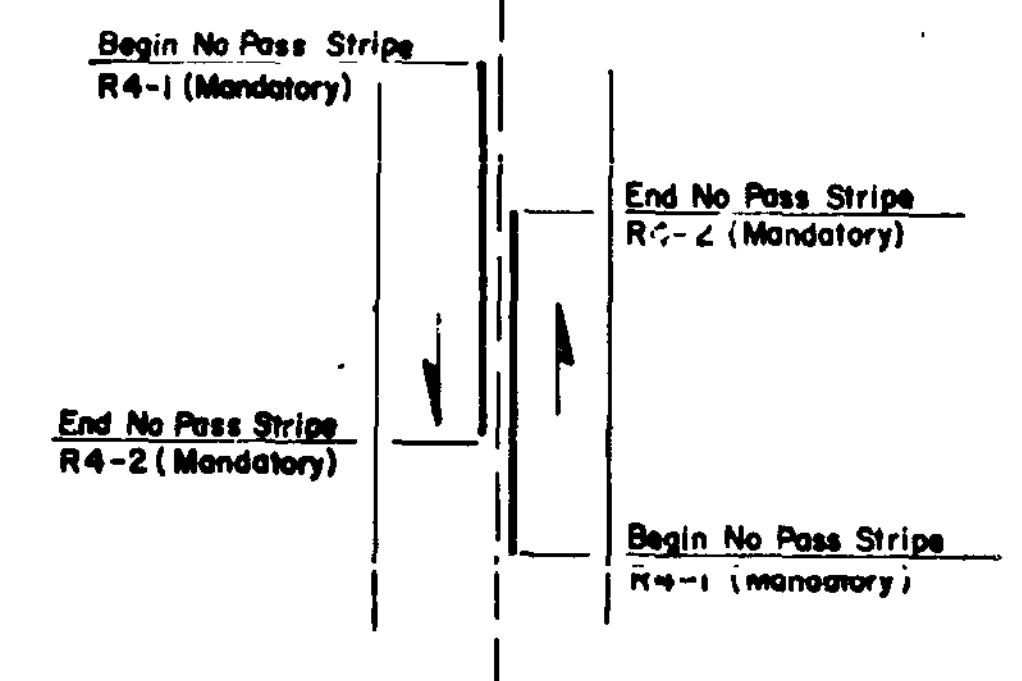
**MODIFY BRIDGE DRAIN DETAIL (2 REQ'D.)**

SEE SPECIAL PROVISIONS:  
"MODIFY BRIDGE DRAIN"



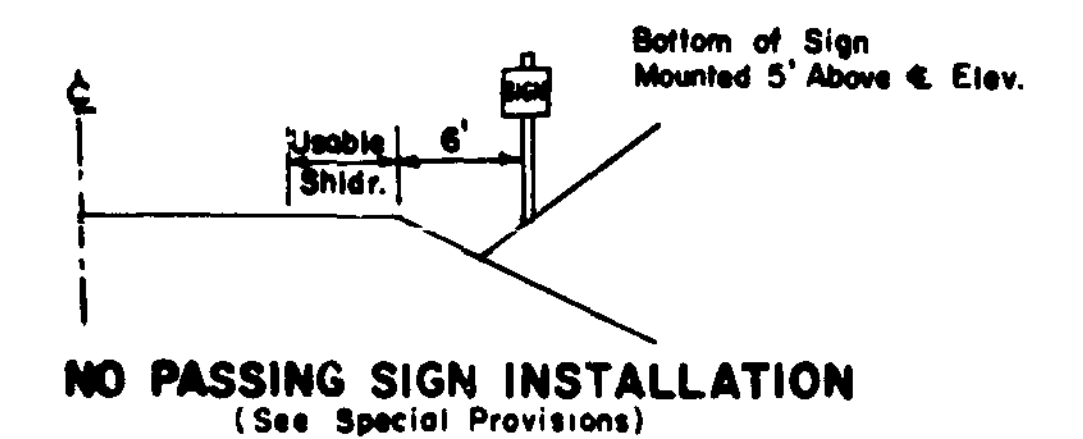
**ASPHALT CONCRETE PAVEMENT TAPER DETAIL AT BRIDGE NO. 17/306**

NOTE:  
ACP Shall Be Paved In 2 Lifts - .08' Compacted Depth Each



**PLAN - NO PASSING SIGN POSITION**

No Change  
**FOR "AS CONSTRUCTED PLANS" ONLY**



**NO PASSING SIGN INSTALLATION**  
(See Special Provisions)

PROJECT	DATE	REVISION	BY	APP'D	CONTRACT NO.	2468	STATE	10	WASH	FED. AID PROJ. NO.	F-017 (9)	SHEET NO.	8	TOTAL SHEETS	32	APPROVED	Jan 31, 1983	Washington State Department of Transportation	SR 17 EAST FOSTER CREEK TO SR 174	ROADWAY SECTION C AND MISCELLANEOUS DETAILS	SHEET 8 OF 32 SHEETS
PROJ. ENGR BOB MURRAY	3/83	Rev Class B to Class G & Spec Prov List	RLB		JOB NUMBER 82E217																

QUANTITY TABULATION

NOTE:  
THE SHEET NUMBER REFERS  
TO THE PLAN SHEET SHOWING  
THE CONSTRUCTION FEATURE.

SH.NO.	STATION	BEAM GUARD RAIL		RAISING EXISTING BEAM GUARD RAIL	CONSTRUCTION FABRIC FOR SOIL STABILIZATION	REMOVING WIRE FENCE											BEGIN PLACEMENT CASE NO.	END PLACEMENT CASE NO.	GENERAL NOTES
		L.F.	EACH				L.F.												
12	963 + 50 to 967 + 50 Rt.	405.6	2														2	2	3
13	991 + 96 to 993 + 46 Lt.		1	124.7															1.2
13	991 + 96 to 994 + 71 Rt.		1	162.3															1.2
14	1001 + 00 to 1003 + 50 Rt.	255.5	2														2	2	
14	1026 + 00 to 1029 + 00 Rt.	305.4	2														2	2	3
14	1027 + 00 to 1029 + 00 Lt.	205.4	2														2	2	3
15	1048 + 00 to 1051 + 00 Rt.	305.3	2														2	2	
17	1111 + 00 to 1113 + 62.5 Lt.	268	2														2	2	3
17	1111 + 00 to 1113 + 62.5 Rt.	266.1	2														2	2	3
21	1253 + 00 to 1254 + 50 Rt.	155.6	2														2	2	3
21	1253 + 50 to 1255 + 00 Lt.	155.6	2														2	2	3
7	1231 + 00 to 1232 + 50				670														4
13	994 + 50 Lt. SHOULDER				54.4														
	1003 + 00 to 1015 + 50 RT.					1,345													5
	1123 + 50 to 1125 + 50 Rt.					200													5
	1131 + 00 to 1136 + 50 Rt.					550													5
	1144 + 50 to 1145 + 50 RT.					100													5
																			5
	1049 + 00 to 1049 + 40 RT.					42													5
24	1333 + 47 to 1335 + 97 RT	255.5	2																
	GRAND TOTAL	2,580	22	287	724.4	2,231													

- GENERAL NOTES
1. See special provisions:  
"RESET BEAM GUARD RAIL ANCHORS"
  2. See special provisions:  
"RAISING EXISTING BEAM GUARD RAIL"
  3. See special provisions:  
"BEAM GUARD RAIL TYPE 1"
  4. Woven fabric required.
  5. See special provisions:  
"REMOVING WIRE FENCE"

FOR 'AS CONSTRUCTED  
PLANS' ONLY

DK 114  
Leahy To East Foster Creek  
Douglas Co.  
Sheet 9 of 31 Sheets

DRAWN		STATE	WASH	FED. AID PROJ. NO.	F-017 (9)	DIVISION OF HIGHWAYS	Washington State Department of Transportation	SR 17 EAST FOSTER CREEK TO SR 174	QUANTITY TABULATION
CHECKED		NO. NUMBER	82E217	CONTRACT NO.	2468	Jan 31, 1983 APPROVED			
PROJ. ENGR.		DATE		REVISION		BY APP'D			
DIST. ADM.									

DOT Form 221-038  
Revised 6/80

SR 171

# STRUCTURE NOTES


**NOTE :**  
THE FIRST NUMBER OF  
"CODE" REFERS TO THE  
SHEET NUMBER OF THE  
CONTRACT PLANS. THE  
SECOND NUMBER REFERS  
TO THE CONSTRUCTION  
FEATURE FOUND ON THE  
PARTICULAR SHEET.

NOTE : THE FIRST NUMBER OF "CODE" REFERS TO THE SHEET NUMBER OF THE CONTRACT PLANS. THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THE PARTICULAR SHEET.			DITCH EXCAVATION INCLUDING HAUL	CHANNEL EXCAVATION INCLUDING HAUL	CONSTRUCTION FABRIC FOR FILTER	SPECIAL RIPRAP	RELAYING CONCRETE CULVERT PIPE 18 IN. DIAMETER	RELAYING CONCRETE CULVERT PIPE 24 IN. DIAMETER	SCHEDULE A CULVERT PIPE 12 IN. DIAMETER	CL. 11 REINF. CONCRETE CULVERT PIPE 18 IN. DIAM.	CL.11 REINF. CONCRETE CULVERT PIPE 24 IN. DIAM.	CL. 11 REINF. CONCRETE CULVERT PIPE 36 IN. DIAM.	PLAIN STEEL CULVERT PIPE 0.064 IN. THICK 18 IN. DIAM.	STRUCTURE EXCAVATION CLASS B INCLUDING HAUL		GRAVEL BACKFILL FOR PIPE BEDDING	GABION CRIBBING	GABION REVETMENT	SHORING & CRIBBING	RELAYING REINF. CONCRETE CULVERT PIPE 48" DIA.	GENERAL NOTES	
CODE	STATION		C.Y.	C.Y.	S.Y.	C.Y.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	C.Y.		C.Y.	C.Y.	C.Y.	C.Y.	L.F.		
12-1	953 + 80	24' RT.							64					31.6		5.9					1.2	13
12-3	960 + 80	Lt.			5.6					6				2.7		1					3.5	8
12-4	964 + 89 TO 965 + 13 Rt.													18.7			8				17.18	12.13
12-5	954 + 00	40' RT.												3.2								
13-1	971 + 23	22' Rt.							64					23		5.9					1.2	13
13-2	971 + 23	30.5' Lt.							52					28		4.8					1.2	13
13-3	994 + 65	35.3' Lt.							70					11.2		6.4					1.2	13
13-4	997 + 72	Rt.	219.8		105.7	36					38			8.3		5.9					3.4	10.12
13-5	998 + 24	Lt.	2.3		28	6.3					7.8			4.5		1					5.7	8.10
13-6	980 + 52	Rt.			4.7		3.2							1.4		0.7						
13-7	980 + 52	Lt.	0.2		9.2	1.2	3.2							0.6		0.4						
14-1	1001 + 03	Rt.	4.2		22.7	1.6				22				8.2		2.8					5.10	12.13
14-2	1027 + 43 To 1027 + 82Rt.													7.2			13				17.18	
14-3	1027 + 60 To 1027 + 99Lt.													8.4			13				17.18	
14-4	1027 + 50	Rt.			26.7	38.6								4.9		8.5			420.4	20		
15-1	1039 + 30	Rt.	0.6		17.9	3.3					13			4.8		2			64.6		3.5	9
15-2	1047 + 46	Rt.	15.9		73.7	36					7.5			2.2		1					3	6.9
15-3	1049 + 00 To 1050 + 35Rt.			704.7		540															17.20	
15-4	1050 + 40	Rt.		44.3	105	50															6.12	20
15-5	1060 + 83	52' Lt.							42					9.5		3.9					2.13	
15-6	1062 + 48.5	Rt.	8.4		101.7	8.4						18		30.8		3.9		24			3.12	13.16
15-7	1048 + 50	85' Rt.						34						13.7		3.2						
16-1	1063 + 00	58' Rt.											62	10.9		8.5					9.10	13.16
16-2	1063 + 70	58' Rt.											6	0.6		0.9					8.10	13
17-1	1097 + 00	Rt.	9.9			6			10					5.7		0.8					14.19	
17-2	1100 + 52	Rt.			5.8		13.5			7.5				9.7		2.6			54.3		3.5	9
17-3	1100 + 52	Lt.			5.8					6				1.2		1					3.5	8
17-4	1110 + 07	Rt.			6.7					7.5				1.7		1.2					5.9	10.12
17-5	1110 + 07	Lt.			6.7					7.5				1.5		1.2					5.8	10.12
17-6	1112 + 95 To 1113 + 16Rt.													6.6			7				17.18	
17-7	1112 + 95 To 1113 + 16Lt.													4.9			7				17.18	
17-8	1124 + 50	Rt.			6.4					6.5				2.8		2.3					5.10	12.13
17-9	1124 + 50	Lt.	2		16.5	1.6				7.5				1.1		0.9					5.8	10.12
18-1	1132 + 02	Rt.			8	1.5				6				2.6		1					5.9	10.12
18-2	1132 + 18	Lt.			17	3				15				14.9		2.1					5.10	12.13
18-3	1156 + 40	Rt.	0.6		14.7	1.2				12				1.7		1.5					3.5	9
SHEET TOTAL			263.9	749	588.5	784.7	19.9	0	336	103.5	66.3	18	68	332.9		81.3	48	24	339.5	20		

### GENERAL NOTES

1. Remove existing 12" concrete culvert pipe.
2. Bevel end section on each end required.
3. Remove one section of attached concrete culvert pipe.
4. Refer to drainage detail sheet 26.
5. Refer to drainage detail sheet 27.
6. Refer to drainage detail sheet 28.
7. Remove 2 intact sections of the existing concrete culvert pipe.
8. Bevel end section required inlet end.
9. Bevel end section required outlet end.
10. Extend existing culvert pipe.
11. Ditch dike required.
12. See special provisions:  
"CONSTRUCTION FABRIC"
13. See special provisions:  
"CULVERT PIPES"
14. See special provision:  
"MODIFICATION OF EXISTING SPRING"
15. See drainage detail sheet 29.
16. See drainage detail sheet 32.
17. Refer to sheet 7.
18. See special provision:  
"GABIONS"
19. See drainage detail sheet 30.
20. See special provisions:  
"SPECIAL RIPRAP"

FOR  
"AS CONSTRUCTED"  
PLANS ONLY

DRAWN CHECKED PROJ. ENGR. DIST. ADM.				DATE REVISION BY APP'D	REGION NO. STATE FED. AID PROJ. NO. F-017(9)	DIVISION OF HIGHWAYS  Jan 31, 1983 APPROVED	Washington State Department of Transportation	SR 17 EAST FORSTER CREEK TO SR 174	SHEET 10 OF 32 SHEETS
								STRUCTURE NOTES	



# STRUCTURE NOTES

NOTE:  
THE FIRST NUMBER OF  
"CODE" REFERS TO THE  
SHEET NUMBER OF THE  
CONTRACT PLANS. THE  
SECOND NUMBER REFERS  
TO THE CONSTRUCTION  
FEATURE FOUND ON THE  
PARTICULAR SHEET.

CODE	STATION	DITCH EXCAVATION INCLUDING HAUL	CHANNEL EXCAVATION INCLUDING HAUL	CONSTRUCTION FABRIC FOR FILTER	SPECIAL RIPRAP	RELAYING CONCRETE CULVERT PIPE 18 IN. DIAMETER	RELAYING CONCRETE CULVERT PIPE 24 IN. DIAMETER	SCHEDULE A CULVERT PIPE 12 IN. DIAMETER	CL. 11 REINF. CONCRETE CULVERT PIPE 18 IN. DIAM.	CL. 11 REINF. CONCRETE CULVERT PIPE 24 IN. DIAM.	CL. 11 REINF. CONCRETE CULVERT PIPE 36 IN. DIAM.	PLAIN STEEL CULVERT PIPE 0.064 IN. THICK 18 IN. DIA.	STRUCTURE EXCAVATION CLASS B INCLUDING HAUL	GRAVEL BACKFILL FOR PIPE BEDDING	GABION CRIBBING	GABION REVETMENT	SHORING & CRIBBING	RELAYING REINF. CONCRETE CULVERT PIPE 48" DIA.	GENERAL NOTES
19-1	1173 + 72 Rt.			3.7									1.2	0.9					5, 12, 13, 20
19-2	1173 + 79 Rt.	9.6		48.3	22.2								6.2	1.4					5, 12, 13, 20
19-3	1174 + 03 Lt.	8.8		17.2	8.7								1.4						5, 20, 12
19-4	1174 + 11 Lt.	7.7		11.5									2.2						5, 20, 12
19-5	1185 + 41 Rt.			25					12				3.5	4.8					9, 10, 12, 13, 5
19-6	1185 + 41 Lt.			10	2				12				3.7	1.8					7, 8, 10, 12, 13, 5
20-1	1215 + 99 Rt.			7					6				2.4	1					10, 12, 13, 5
20-2	1215 + 99 Lt.			6.4					6				1.2	1					10, 12, 13, 5
21-1	1228 + 02 Rt.	1.2		8.6	1.2	3							0.9	0.4					5, 12, 13, 20
21-2	1233 + 47 Lt.			4		3							1.8	1.3					5, 12, 13
21-3	1247 + 29 Rt.	1.1		8	1.8								1.2						3, 5, 12, 13, 20
21-4	1253 + 79 to 1254 + 09.1 Rt.	11.9		27	5.3								12		10				15, 12, 13, 20, 18
21-5	1254 + 25.5 to 1254 + 51.5 Lt.	4.3		13	7.4								34.6		25				15, 12, 13, 20, 18
22-2	1271 + 50 Lt.			10.4					14				6.1	4.3					3, 9, 10, 12, 13, 5
23-1	1292 + 29 53' Lt.								13				2.9	1.9					9, 10, 13
23-2	1292 + 80 53' Lt.					6			8				4.8	2					8, 10, 13
24-1	1322 + 83 41' Lt.							63					44.6	3.9					1, 2, 13
24-2	1336 + 78 Rt.			6.7					7.5				1.9	1.2					3, 5, 9, 10, 12, 13
24-3	1348 + 80 Rt.			9.3	0.5	3			7.5				2.1	1.3					5, 9, 10, 12, 13, 20
24-4	1319 + 94.4 Lt.			4.6	0.8	3							1.8	0.7					
24-5	1319 + 96.6 Rt.			4.3	0.8	3							2.2	1.5					5, 8, 10, 12, 13
25-1	1369 + 57 Lt.			6.1					6.5				1.1	1.1					
SHEET TOTAL		44.6	0	231.3	30.7	21	24	63	92.5	0	0	0	143.7	32.6	35	0	0	0	
GRAND TOTAL		908.5	749	819.8	785.4	40.9	24	399	196	66.3	18	68	476.6	113.8	83	24	539.5	20	

GENERAL NOTES  
See General Notes Sheet 10.

FOR "AS CONSTRUCTED  
PLANS" ONLY

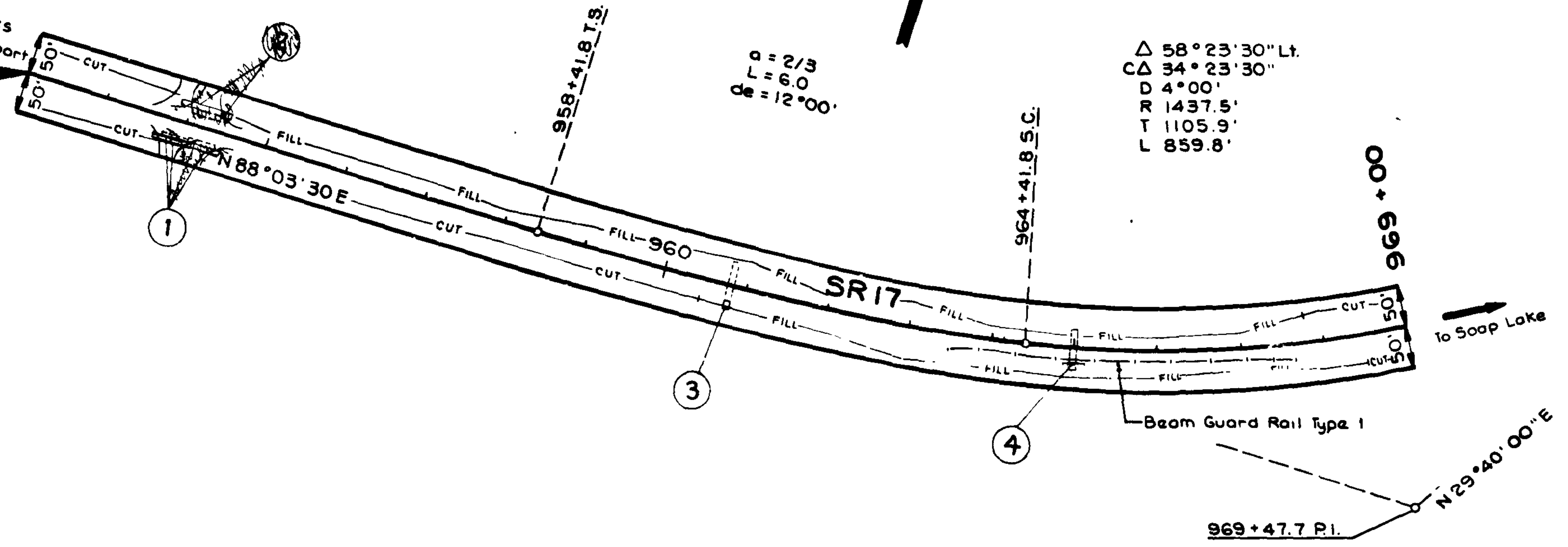
SR 174  
Leahy To East Foster Creek  
Division Co  
Sheet 11 of 31

DRAWN	CHECKED	PROJ. ENGR.	DIST. ADM.	DATE	REVISION	BY/APP	10 WASH F-017(9)	82E217	2468	DIVISION OF HIGHWAYS	Washington State Department of Transportation	SR 17 EAST FOSTER CREEK TO SR 174	STRUCTURE NOTES	
										Jan 31, 1983				

T.28N R.26E. W.M.

BEGIN PROJECT  
BEGIN F-017 (9)  
STA. 952+00  
MP 127.98

7.62 Miles  
To Bridgeport

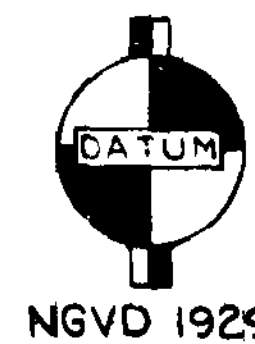
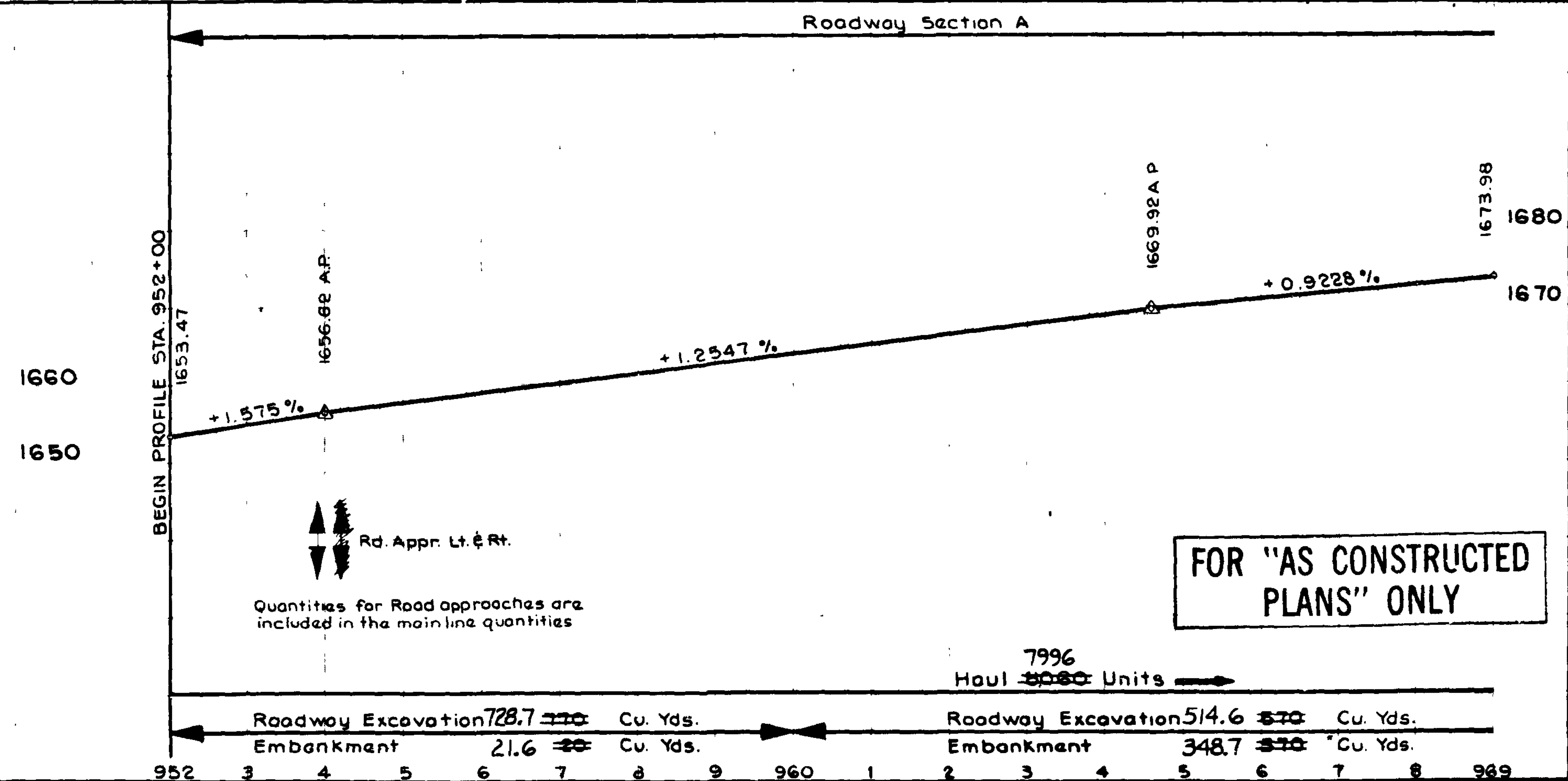


SUPER DATA FOR CURVES

P.I. STATION	(FT./FT.) SUPER	BEGIN TRANSITION	CROWN SLOPE	BEGIN FULL SUPER	END FULL SUPER	CROWN SLOPE	END TRANSITION
969+47.7	0.08 L	958+41.8	960+81.80	964+41.8	973+01.6	976+61.60	979+01.6

100 0 100 200  
Scale In Feet

Roadway Section A



Station	Excavation (Cu. Yds.)	Embankment (Cu. Yds.)
952+00 to 960+00	728.7	21.6
960+00 to 969+00	514.6	348.7

NO.	DATE	REVISION	BY	APP'D	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
DRAWN					10	WASH	F-017 (9)	
CHECKED					JOB NUMBER			
PROJ. ENGR					82E217			
DIST. ADM.					CONTRACT NO.			
					2468			



Jan 31, 1983  
APPROVED



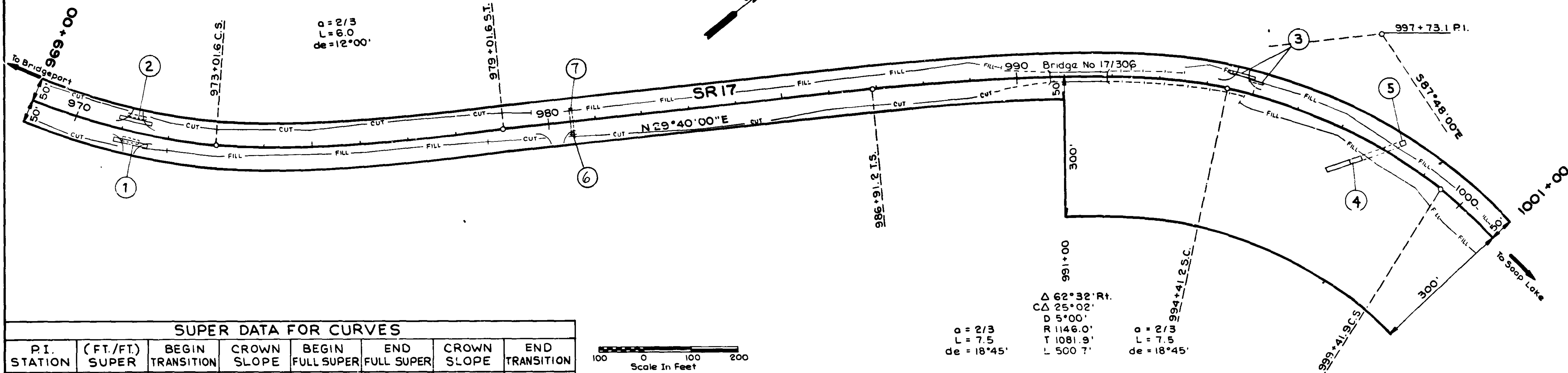
Washington State  
Department of Transportation

SR 17  
EAST FOSTER CREEK TO SR 174

PLAN AND PROFILE

SHEET  
12  
OF  
32  
SHEETS

T.28N. R.26E. W.M.

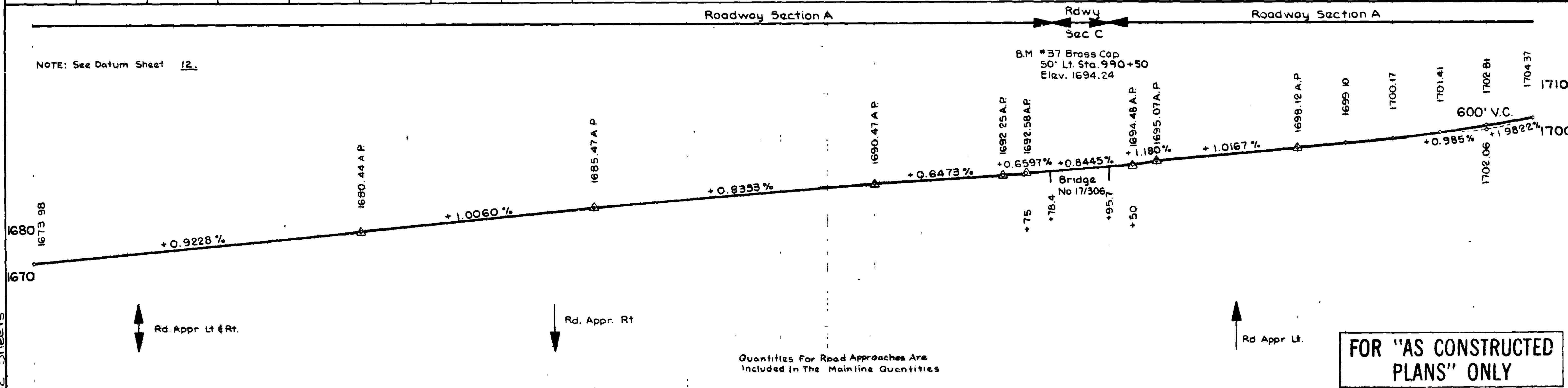


**SUPER DATA FOR CURVES**

P.I. STATION	(FT./FT.) SUPER	BEGIN TRANSITION	CROWN SLOPE	BEGIN FULL SUPER	END FULL SUPER	CROWN SLOPE	END TRANSITION
997+73.1	0.09 Rt.	986+91.2	989+63.93	994+41.2	999+41.9	1004+19.17	1006+91.9

Scale In Feet  
100 0 100 200

NOTE: See Datum Sheet 12.

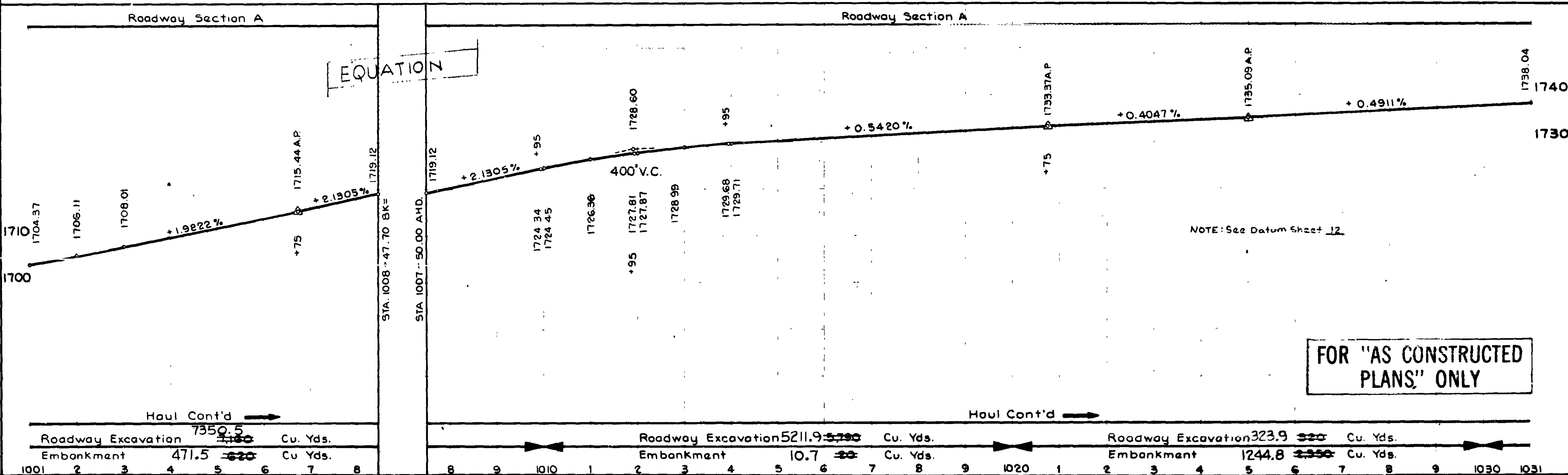
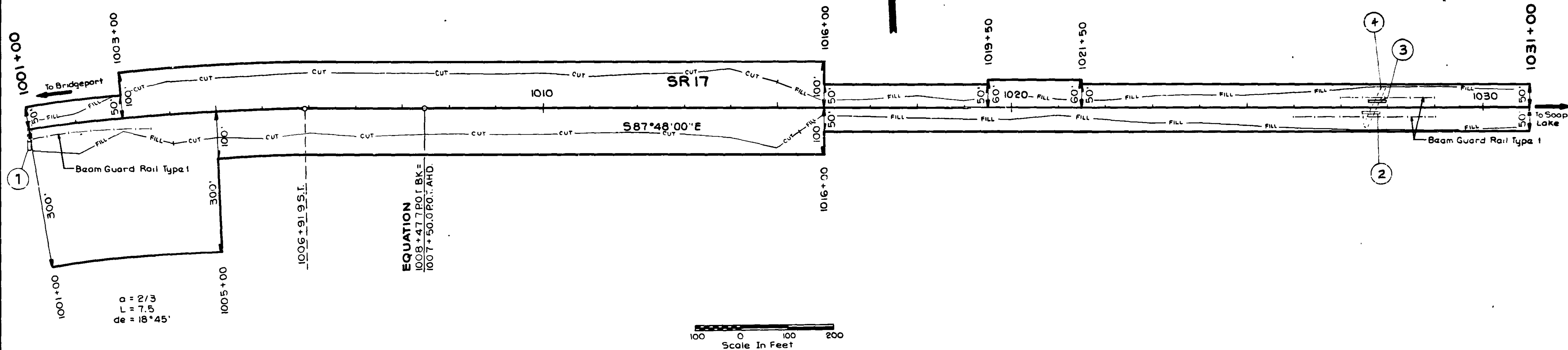


Haul Cont'd

Roadway Excavation 153.2 <del>120</del> Cu. Yds.										Roadway Excavation 1275.2 <del>1250</del> Cu. Yds.										Roadway Excavation 246.6 <del>210</del> Cu. Yds.																			
Embankment 81.5 <del>80</del> Cu. Yds.										Embankment 275.4 <del>250</del> Cu. Yds.										Embankment 569.8 <del>630</del> Cu. Yds.																			
969	970	1	2	3	4	5	6	7	8	9	980	1	2	3	4	5	6	7	8	9	990	1	2	3	4	5	6	7	8	9	1000	1001							
										DIVISION OF HIGHWAYS										Washington State Department of Transportation										SR 17 EAST FOSTER CREEK TO SR 174									
DRAWN										FED. AID PROJ. NO. F-017 (9)										Jan 31, 1983 APPROVED										PLAN AND PROFILE									
CHECKED										STATE WASH																													
PROJ. ENGR. BOB MURRAY										JOB NUMBER 82E217																													
DIST. ADM.										CONTRACT NO. 2468																													
DATE										REVISION										BY APP'D																			

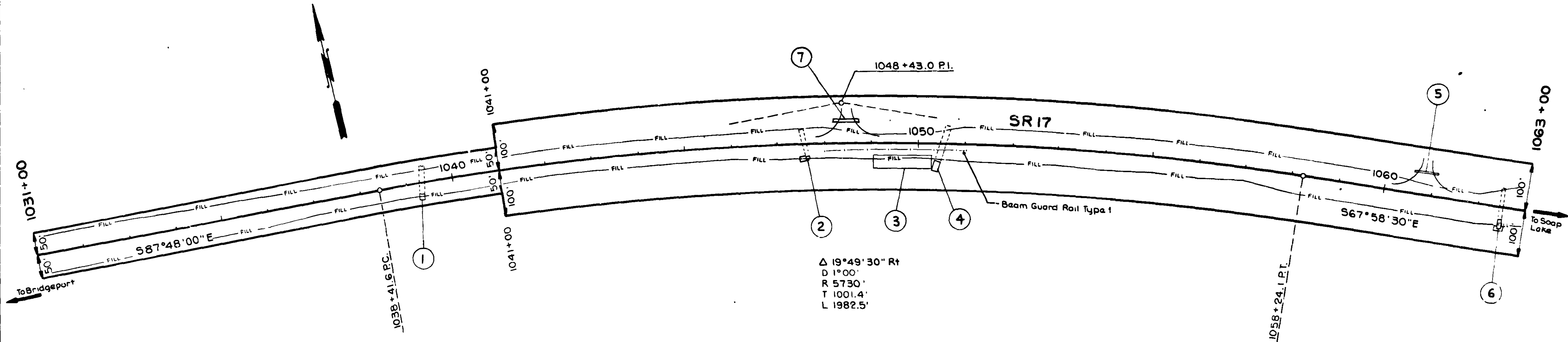


T.28N. R.26E. W.M.



DRAWN		10		STATE		FED. AID PROJ. NO.		SHEET NO.		TOTAL SHEETS		DIVISION OF HIGHWAYS		Washington State Department of Transportation		SR 17 EAST FOSTER CREEK TO SR 174		SHEET 14 OF 32 SHEETS	
CHECKED		10		WASH		F-017 (9)		JOB NUMBER		82E217		CONTRACT NO		2468		PLAN AND PROFILE			
PROJ. ENGR BOB MURRAY																			
DIST. ADM																			
DATE																			
REVISION																			
BY/APPD																			

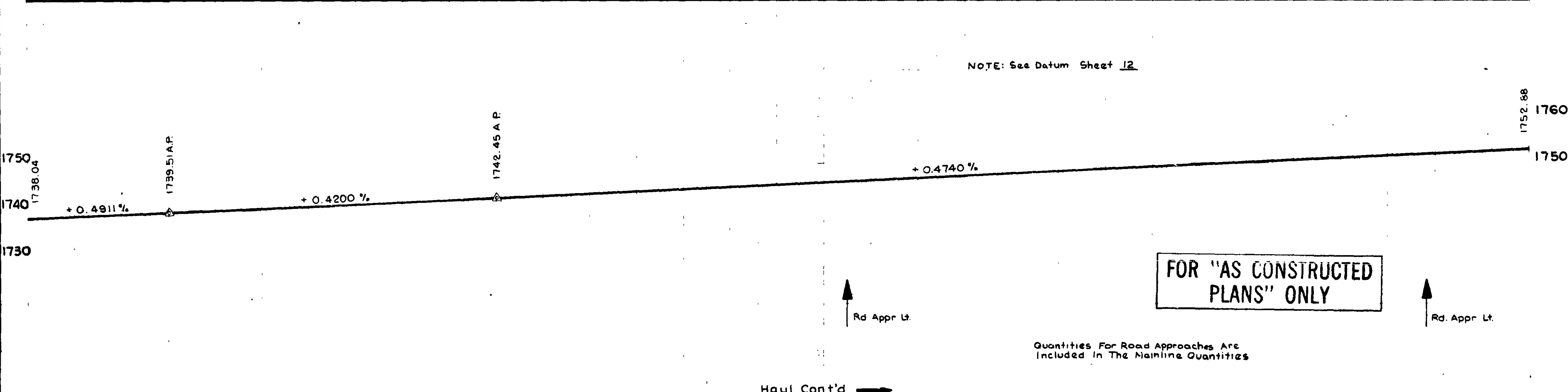
T.28N. R.26E. W.M.



SUPER DATA FOR CURVES							
P.I. STATION	(FT./FT.) SUPER	BEGIN TRANSITION	CROWN SLOPE	BEGIN FULL SUPER	END FULL SUPER	CROWN SLOPE	END TRANSITION
1048+43.0	0.03R	1037+30.9	1038+38.90	1038+65.9	1057+99.8	1058+26.80	1059+34.8



Roadway Section A

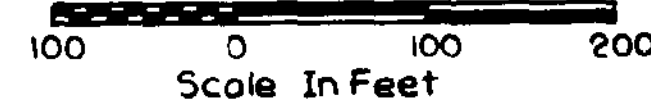


Roadway Excavation 184.7 <del>180</del> Cu. Yds.										Roadway Excavation 302.7 <del>270</del> Cu. Yds.										Roadway Excavation 308.5 <del>300</del> Cu. Yds.																			
Embankment 2178.1 <del>2230</del> Cu. Yds.										Embankment 749.2 <del>820</del> Cu. Yds.										Embankment 1432.4 <del>1370</del> Cu. Yds.																			
1031	2	3	4	5	6	7	8	9	1040	1	2	3	4	5	6	7	8	9	1050	1	2	3	4	5	6	7	8	9	1060	1	2	1063							
DRAWN										DIVISION OF HIGHWAYS										Washington State Department of Transportation										SR 17 EAST FOSTER CREEK TO SR 174		SHEET 15 OF 32 SHEETS							
CHECKED										FED. AID PROJ. NO. 10 WASH F-017 ( 9 )										PLAN AND PROFILE																			
PROJ. ENGR. BOB MURRAY										JOB NUMBER 82E217																													
DIST. ADM.										CONTRACT NO. 2468																													
DATE										BY APPD										Jan 31, 1983 APPROVED																			

Leahy To East Foster Creek Douglas Co.

WE Sheet 15 of 32 Sheets

SR 17



NOTE: See Datum Sheet 12

Co. Rd. Appr Rt.

Quantity For Road Approach Is  
Included In Mainline Quantities



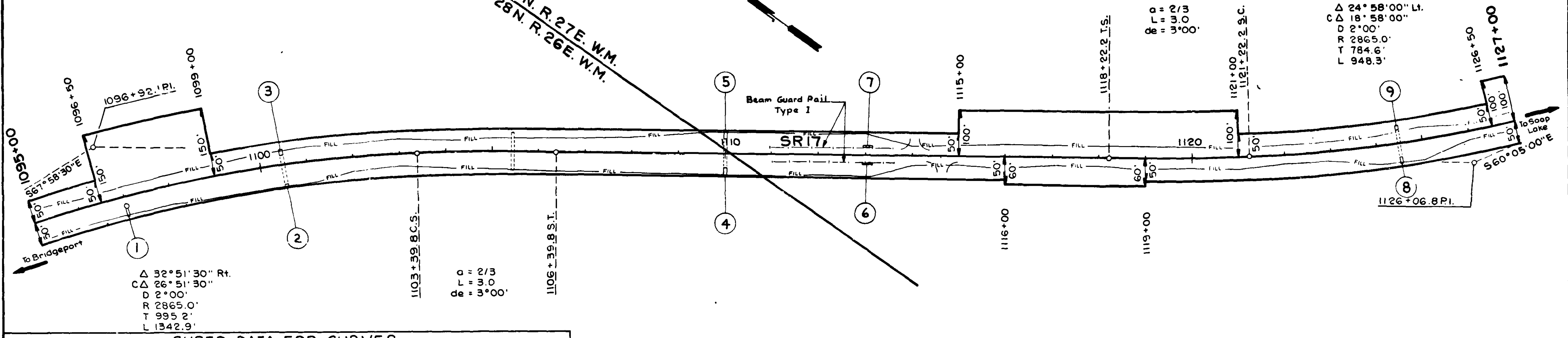
Roadway Excavation 353.6 <del>300</del> Cu. Yds.										Roadway Excavation 291.3 <del>320</del> Cu. Yds.										Roadway Excavation 349.3 <del>370</del> Cu. Yds.										Rdwy. Excav. 221.3 <del>200</del> Cu. Yds.									
Embankment 1952.6 <del>1800</del> Cu. Yds.										Embankment 1159.0 <del>1150</del> Cu. Yds.										Embankment 463.9 <del>400</del> Cu. Yds.										Embankment 1870 <del>1870</del> Cu. Yds.									
63	4	5	6	7	8	9	10	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	

## PLAN AND PROFILE

MEET  
16  
OF  
32  
MEETS



T.28N. R.27E. W.M.  
T.28N. R.26E. W.M.

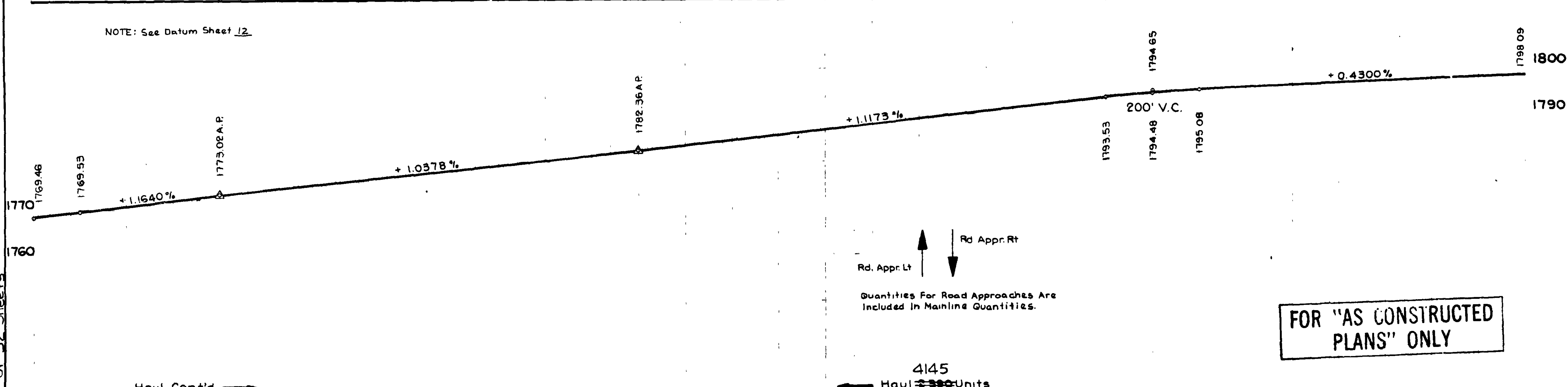


**SUPER DATA FOR CURVES**

P.I. STATION	(FT./FT.) SUPER	BEGIN TRANSITION	CROWN SLOPE	BEGIN FULL SUPER	END FULL SUPER	CROWN SLOPE	END TRANSITION
1096+92.1	0.05 Rt	1086+96.9	1088+68.33	1089+96.9	1103+39.8	1104+68.37	1106+39.8
1126+06.8	0.05 Lt	1118+22.2	1119+93.63	1121+22.2	1130+70.5	1131+99.07	1133+70.5



**Roadway Section A**



**FOR "AS CONSTRUCTED PLANS" ONLY**

Haul Cont'd						Haul 4145 Units					
Rdwy Excav. Cont'd						Roadway Excavation 306.4 Cu. Yds.					
Embankment Cont'd						Embankment 1215.7 Cu. Yds.					
1095	6	7	8	9	1100	1	2	3	4	5	6
1110	1	2	3	4	5	6	7	8	9	1120	1
Roadway Excavation 420.2 Cu. Yds.						Roadway Excavation 338.7 Cu. Yds.					
Embankment 883.3 Cu. Yds.						Embankment 396.1 Cu. Yds.					
1120	1	2	3	4	5	6	7	8	9	1127	1

DRAWN		REL. NO.	10	STATE	WASH	FED. AID PROJ. NO.	F-017 (9)
CHECKED		JOB NUMBER	82E217				
PROJ. ENGR	BOB MURRAY	CONTRACT NO.	2448				
DIST. ADM.		DATE		REVISION		BY	APPD

**DIVISION OF HIGHWAYS**

Jan 31, 1983  
APPROVED

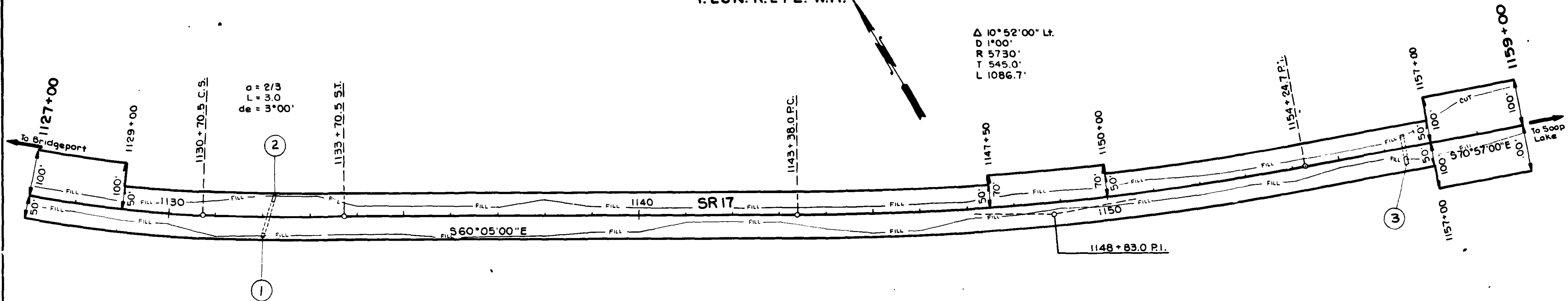
**Washington State  
Department of Transportation**

**SR 17  
EAST FOSTER CREEK TO SR 174**

PLAN AND PROFILE

T.28N. R.27E. W.M.

Δ 10°52'00" Lt.  
D 1°00'  
R 5730'  
T 545.0'  
L 1086.7'



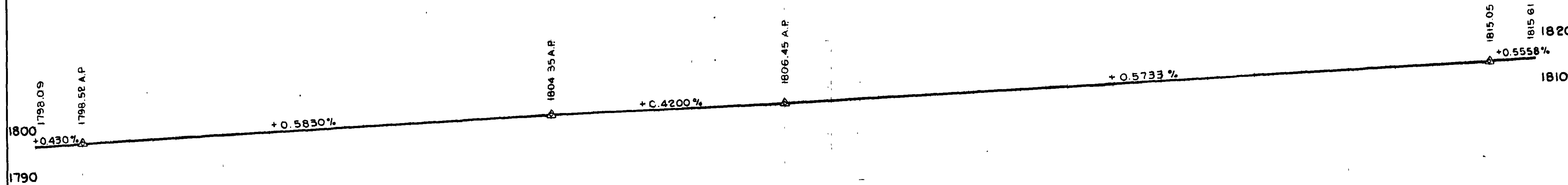
SUPER DATA FOR CURVES

P.I. STATION	(FT./FT) SUPER	BEGIN TRANSITION	CROWN SLOPE	BEGIN FULL SUPER	END FULL SUPER	CROWN SLOPE	END TRANSITION
1148+83.0	0.04 L	1142+27.3	1143+17.30	1143+62.3	1154+00.4	1154+45.40	1155+35.4

100 0 100 200  
Scale In Feet

Roadway Section A

NOTE: See Datum Sheet 12



FOR "AS CONSTRUCTED  
PLANS" ONLY

Haul Cont'd

Roadway Excavation 276.9 <del>280</del> Cu. Yds.	Roadway Excavation 470.6 <del>420</del> Cu. Yds.	Roadway Excavation 301.7 <del>320</del> Cu. Yds.
Embankment 1917.8 <del>2000</del> Cu. Yds.	Embankment 318.3 <del>340</del> Cu. Yds.	Embankment 214.3 <del>200</del> Cu. Yds.

DRAWN		STATE		FED. AID PROJ. NO.		SHEET NO.		TOTAL SHEETS	
CHECKED		10 WASH		F-017 (9)					
PROJ. ENGR. BOB MURRAY		JOB NUMBER		82E 217					
DIST. ADM.		CONTRACT NO.		2468					
DATE	REVISION	BY	APP'D						

DIVISION OF HIGHWAYS

Jan 31, 1983  
APPROVED

Washington State  
Department of Transportation

SR 17  
EAST FOSTER CREEK TO SR 174

PLAN AND PROFILE

SHEET  
18  
OF  
32  
SHEETS



B.M. # 34 Brass Cap  
100' Lt Sta 1173+50  
Elev. 1821.63

NOTE: See Datum Sheet 12



**Haul Cont'd**



Jan 31, 1983  
APPROVED

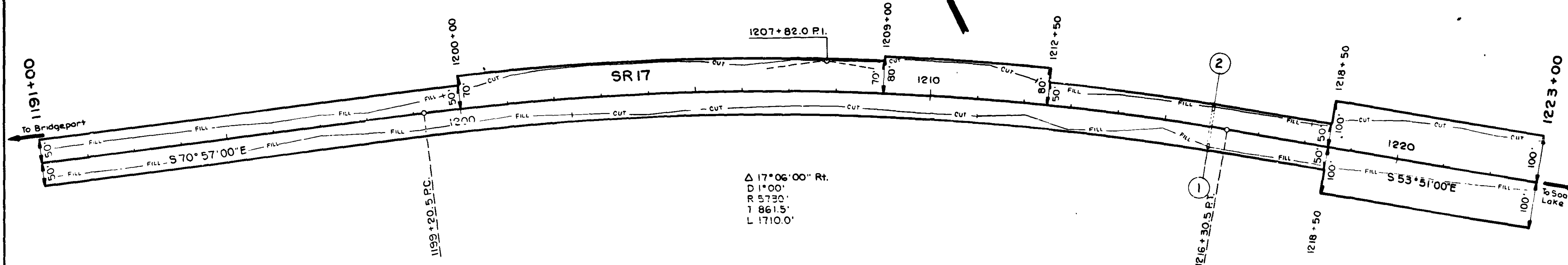
**SR 17**  
**EAST FOSTER CREEK TO SR 174**

## PLAN AND PROFILE

SHEET  
19  
OF  
32  
SHEETS



T.28N. R.27E. W.M.

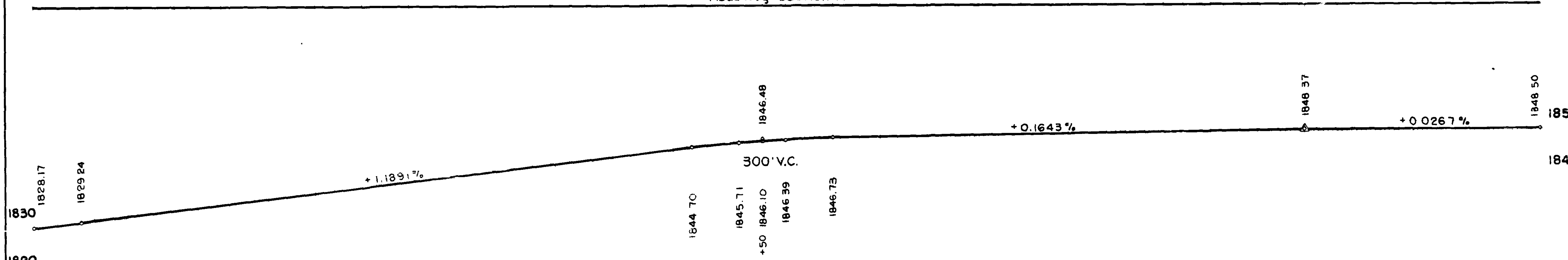


SUPER DATA FOR CURVES

P.I. STATION	(FT./FT.) SUPER	BEGIN TRANSITION	CROWN SLOPE	BEGIN FULL SUPER	END FULL SUPER	CROWN SLOPE	END TRANSITION
1207+82.0	0.04 Rt.	1198+09.8	1198+99.8	1199+44.8	1216+06.2	1216+51.2	1217+41.2



Roadway Section A



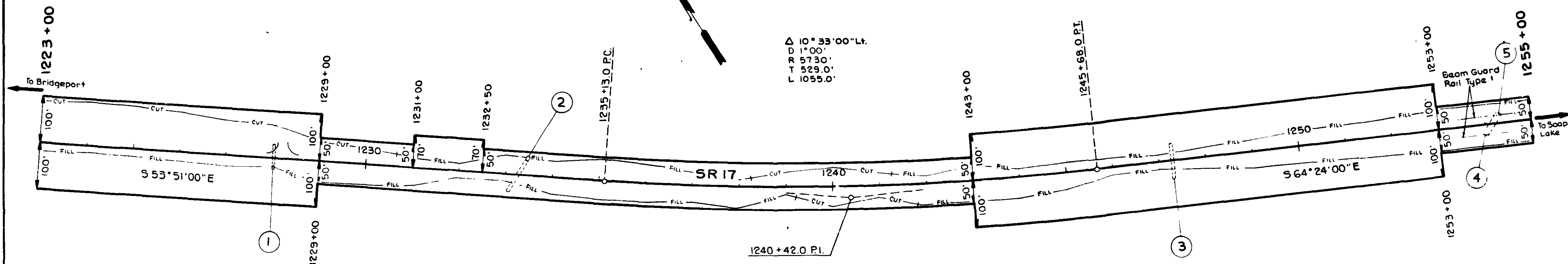
NOTE: See Datum Sheet 12.

FOR "AS CONSTRUCTED PLANS" ONLY

Haul Cont'd										Haul 9360 Units																																																											
Roadway Excavation 243.4 <del>250</del> Cu Yds.										Roadway Excavation 2911.4 <del>3000</del> Cu Yds.										Roadway Excavation 2563.5 <del>2870</del> Cu Yds.																																																	
Embankment 604.6 <del>650</del> Cu Yds.										Embankment 111.1 <del>120</del> Cu Yds.										Embankment 2162.7 <del>2200</del> Cu Yds.																																																	
1191	2	3	4	5	6	7	8	9	1200	1	2	3	4	5	6	7	8	9	1210	1	2	3	4	5	6	7	8	9	1220	1	2	1223																																					
DRAWN										STATE 10 WASH										FED. AID PROJ. NO. F-017(9)										DIVISION OF HIGHWAYS										Washington State Department of Transportation										SR 17 EAST FOSTER CREEK TO SR 174										SHEET 20 OF 32 SHEETS									
CHECKED										JOB NUMBER 82E217										CONTRACT NO. 20028										Jan 31, 1983 APPROVED										PLAN AND PROFILE																													
PROJ. ENGR B. L. MURRAY										DATE										REVISION										BY APP'D																																							
DIST. ADM.																																																																					

T. 28

Δ 10° 33' 00" Lt.  
 D 1° 00'  
 R 5730'  
 T 529.0'  
 L 1055.0'



P.I. STATION	(FT./FT.) SUPER	BEGIN TRANSITION	CROWN SLOPE	BEGIN FULL SUPER	END FULL SUPER	CROWN SLOPE	END TRANSITION
1240+42.0	0.04 L	1234+02.3	1234+92.30	1235+37.3	1245+43.7	1245+88.70	1246+78.7



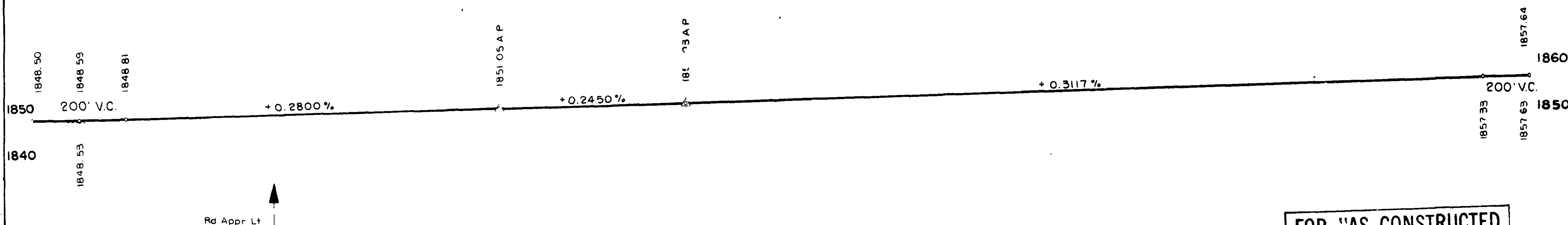
Roadway Section A

Rdwy Sac B

Roadway Section A

B.M #33 Brass Cap	0
100' Lt Sta 1228+25	0
Elev 1852.37	+

NOTE. See Datum Sheet 12



Rd Appr Lt

Quantities For Road Approaches Are Included In The Mainline Quantities.

FOR "AS CONSTRUCTED  
PLANS" ONLY

Haul Cont'd ~~\_\_\_\_\_~~

Roadway Excavation	5931.6	<del>3,590</del>	Cu Yds
Embankment	247.3	<del>250</del>	Cu Yds

Roadway Excavation	1243.0	<del>420</del>	Cu. Yds
Embankment	1513.6	<del>510</del>	Cu. Yds.

Roadway Excavation	432.0	<del>470</del>	Cu Yds.
Embankment	768.9	<del>780</del>	Cu Yds.

Rdwy Excav. ~~440~~ <sup>363.7</sup> Cu Yds.  
Embankment ~~1350~~ <sup>1350</sup> Cu Yds.

1223      4      5      6      7      8      9      1230

2            3            4            5            6            7            8

2            3            4            5            6            7            8

1                      2                      3 <sup>11/29.2</sup> 4                      12

_____	_____	_____
DRAWN	_____	_____
CHECKED	_____	_____
PROJ ENGR	_____	_____
DIST ADM	_____	_____
DATE	_____	REVISION

STATE	FED AID PROJ NO
10 WASH	F-017 (9)
JOB NUMBER	
82E217	
CONTRACT NO	
5008	

## DIVISION OF HIGHWAYS



Jan 31, 1983  
APPROVED



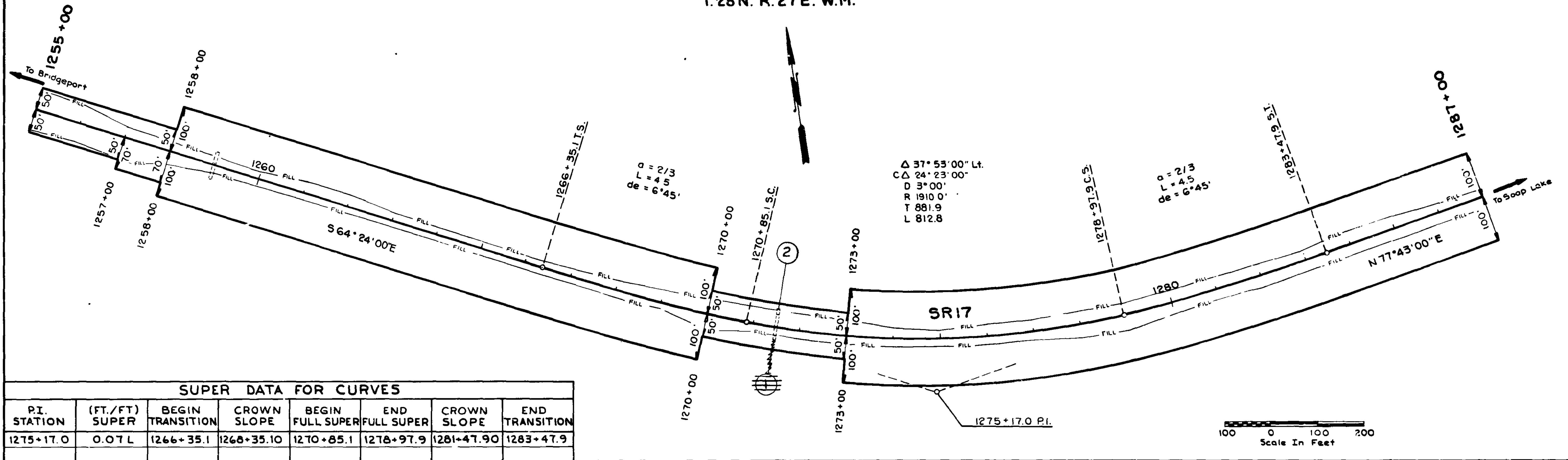
**Washington State  
Department of Transportation**

**SR 17**  
**EAST FOSTER CREEK TO SR 174**

## PLAN AND PROFILE

SHEET  
21  
OF  
32  
SHEETS

T.28N. R.27E. W.M.



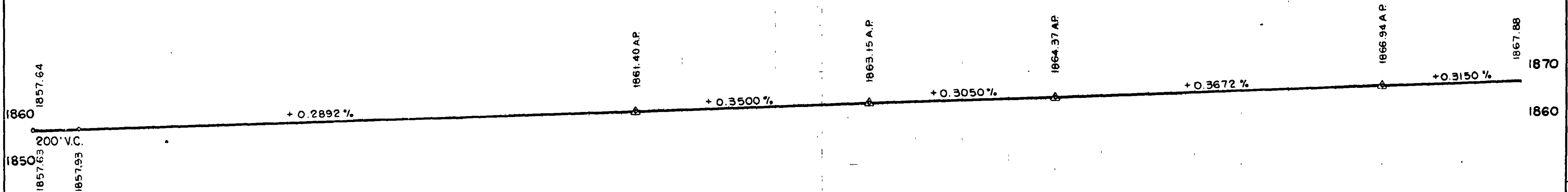
SUPER DATA FOR CURVES

PI. STATION	(FT./FT) SUPER	BEGIN TRANSITION	CROWN SLOPE	BEGIN FULL SUPER	END FULL SUPER	CROWN SLOPE	END TRANSITION
1275+17.0	0.07 L	1266+35.1	1268+35.10	1270+85.1	1278+97.9	1281+47.90	1283+47.9

Roadway Section A

B.M. #32 Brass Cap  
100' L+ STA 1267+50  
Elev 1857.77

NOTE: See Datum Sheet 12

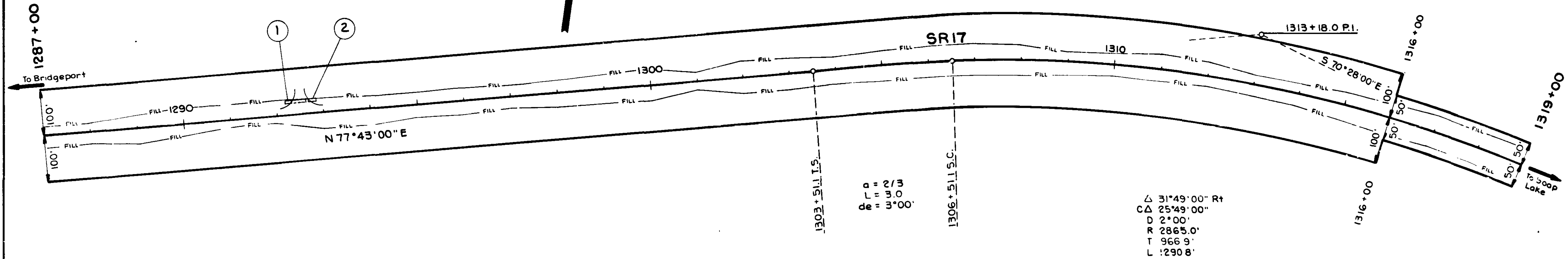


FOR "AS CONSTRUCTED  
PLANS" ONLY

Haul Cont'd.

Rdwy Excav. Cont'd	Roadway Excavation 366.1 <del>380</del> Cu. Yds.	Roadway Excavation 324.3 <del>270</del> Cu. Yds.	Roadway Excavation 254.5 <del>230</del> Cu. Yds.
Embankment Cont'd	Embankment 89.1 <del>110</del> Cu. Yds.	Embankment 622.3 <del>380</del> Cu. Yds.	Embankment 237.7 <del>380</del> Cu. Yds.
1255 6 7 8 9 1260 1 2 3 4 5 6 7 8 9 1270 1 2 3 4 5 6 7 8 9 1280 1 2 3 4 5 6 1287			
DRAWN	STATE WASH F-017 (9)	DIVISION OF HIGHWAYS	Washington State Department of Transportation
CHECKED	JOB NUMBER 82E217	Jan 31, 1983 APPROVED	SR 17 EAST FOSTER CREEK TO SR 174
PROJ. ENGR. BOB MURPHY	CONTRACT NO. 2448		PLAN AND PROFILE
DIST ADM	DATE	REVISION	BY APPD

T. 28 N. R. 27 E. W.M.



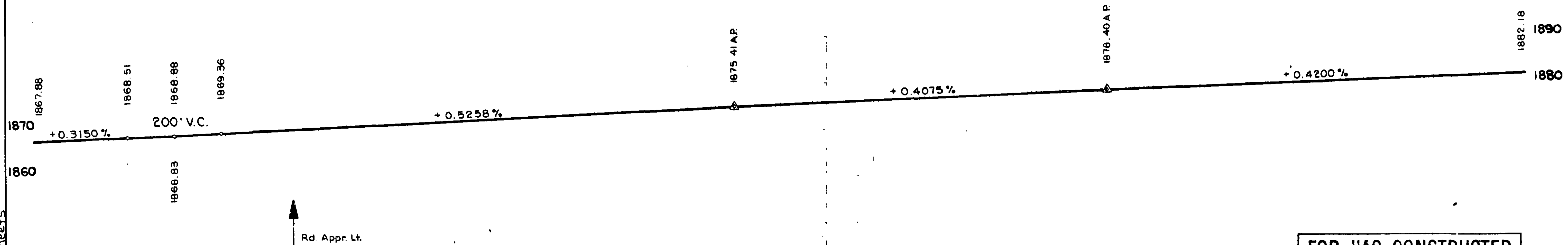
SUPER DATA FOR CURVES

P.I. STATION	(FT./FT.) SUPER	BEGIN TRANSITION	CROWN SLOPE	BEGIN FULL SUPER	END FULL SUPER	CROWN SLOPE	END TRANSITION
1313+18.0	0.05 R+	1303+51.1	1305+22.53	1306+51.1	1319+41.9	1320+70.47	1322+41.9



Roadway Section A

NOTE: See Datum Sheet 12

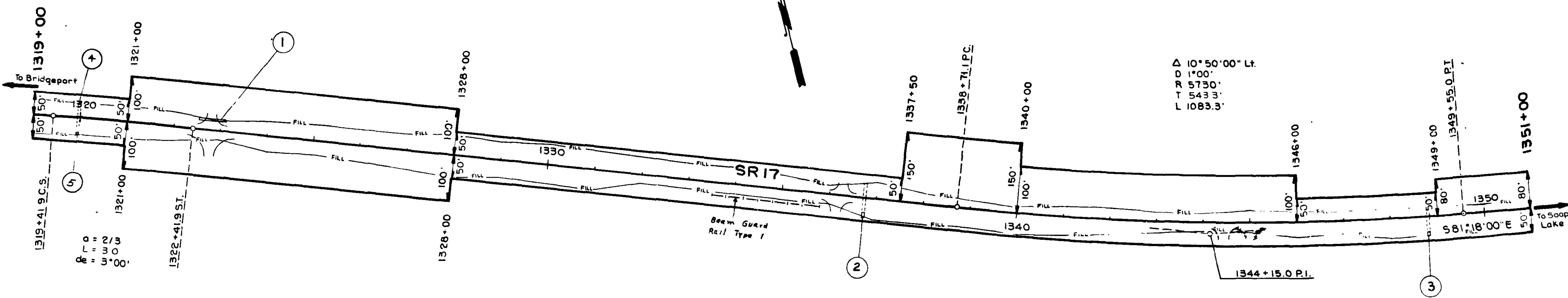


FOR "AS CONSTRUCTED PLANS" ONLY

Roadway Excavation 310.9 <del>320</del> Cu Yds.										Roadway Excavation 347.1 <del>350</del> Cu Yds.										Roadway Excavation 304.7 <del>320</del> Cu Yds.									
Embankment 584.6 <del>590</del> Cu Yds.										Embankment 526.0 <del>540</del> Cu Yds.										Embankment 567.1 <del>580</del> Cu Yds.									
1287	8	9	1290	1	2	3	4	5	6	1300	1	2	3	4	5	6	7	8	9	1310	1	2	3	4	5	6	7	8	1319
DRAWN										DIVISION OF HIGHWAYS										Washington State Department of Transportation									
CHECKED										SR 17										EAST FOSTER CREEK TO SR 174									
PROJ. ENGR. BOB MURRAY										Jan 31, 1983										PLAN AND PROFILE									
DIST. ADM.										APPROVED										SHEET 23 OF 32 SHEETS									
DATE										CONTRACT NO. 2468																			
REVISION										BY APP'D																			



T.28N. R.27E. W.M.

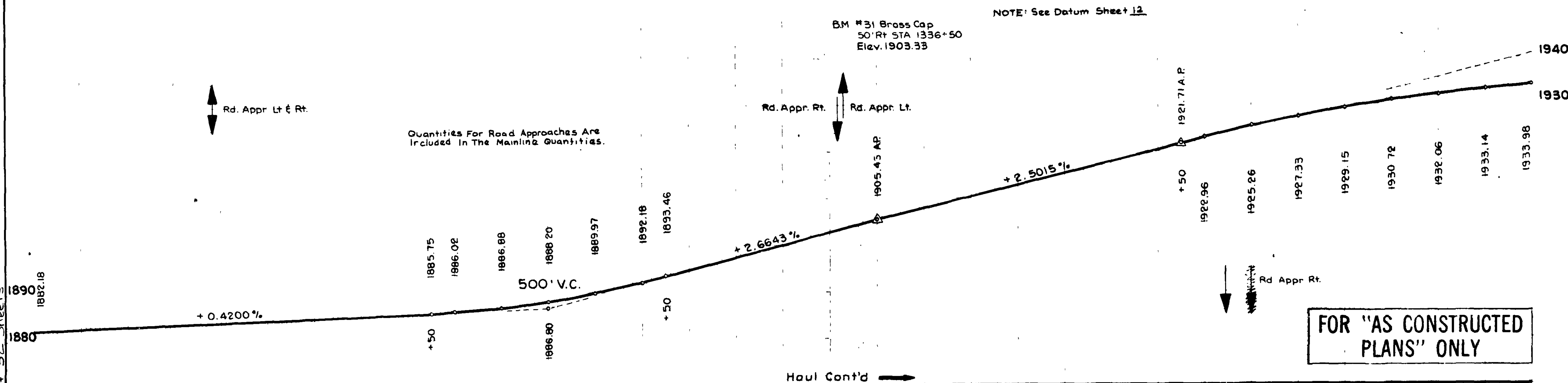



SUPER DATA FOR CURVES

P.I. STATION	(FT./FT.) SUPER	BEGIN TRANSITION	CROWN SLOPE	BEGIN FULL SUPER	END FULL SUPER	CROWN SLOPE	END TRANSITION
1344+15.0	0.04 Lt.	1337+61.0	1338+51.0	1338+96.0	1349+30.7	1349+75.7	1350+65.7

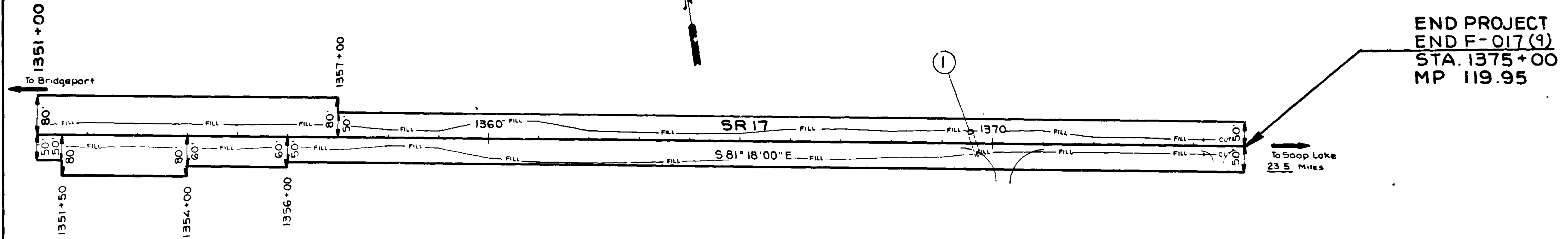
Scale In Feet  
100 0 100 200

Roadway Section A

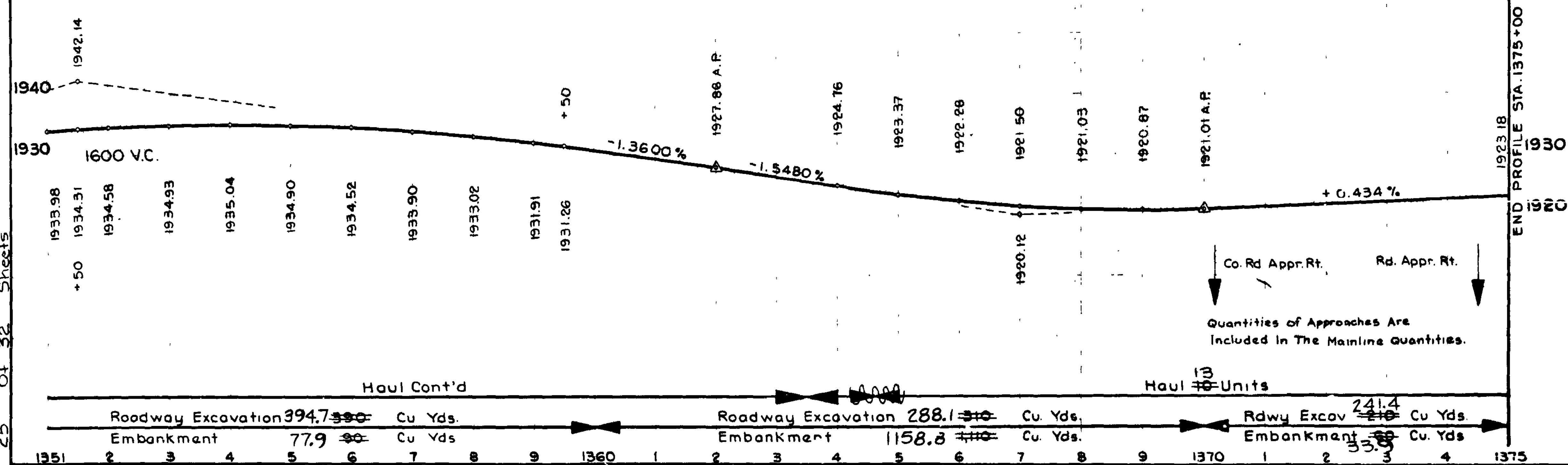


Roadway Excavation 284.7 <del>290</del> Cu Yds.										Roadway Excavation 328.3 <del>330</del> Cu Yds.										Roadway Excavation 385.9 <del>390</del> Cu Yds.																					
Embankment 1654.2 <del>1660</del> Cu Yds.										Embankment 1576.7 <del>1580</del> Cu Yds.										Embankment 494.4 <del>500</del> Cu Yds.																					
1319	1320	1	2	3	4	5	6	7	8	9	1330	1	2	3	4	5	6	7	8	9	1340	1	2	3	4	5	6	7	8	9	1350	1351									
DRAWN										DIVISION OF HIGHWAYS										Washington State Department of Transportation										SR 17 EAST FOSTER CREEK TO SR 174										SHEET 24 OF 32 SHEETS	
CHECKED										FED AID PROJ. NO. F-017 (9)										 Jan 31, 1993 APPROVED										PLAN AND PROFILE											
PROJ. ENGR. BOB MURRAY										JOB NUMBER 82E217																															
DIST. ADM.										CONTRACT 2468																															
DATE										REVISION										BY APPD																					

T.28N. R.27E. W.M.



Roadway Section A

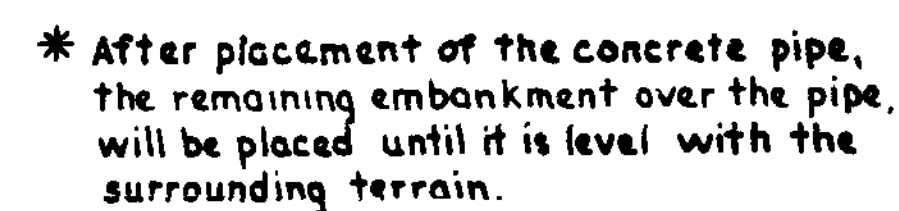


NOTE: See Datum Sheet 12.

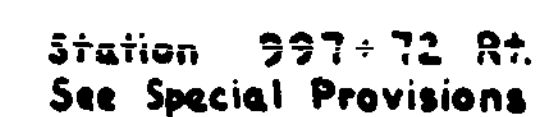
B.M. #30 Brass Cap  
Leahy Jct  
Elev 1940.01

FOR "AS CONSTRUCTED  
PLANS" ONLY

DRAWN		10 WASH		FED. AID PROJ. NO. F-017(9)		SHEET NO. 25		TOTAL SHEETS 32		DIVISION OF HIGHWAYS		Washington State Department of Transportation		SR 17 EAST FOSTER CREEK TO SR 174		SHEET 25 OF 32 SHEETS	
CHECKED		JOB NUMBER 82E217		CONTRACT NO. 2468		DATE		REVISION		BY APP'D		Jan 31, 1983 APPROVED		PLAN AND PROFILE			
PROJ. ENGR. BOB MURRAY																	
DIST. ADM.																	



Station 997+72 Rt.



No Change

**FOR "AS CONSTRUCTED  
PLANS" ONLY**



## HIGHWAY DIVISION

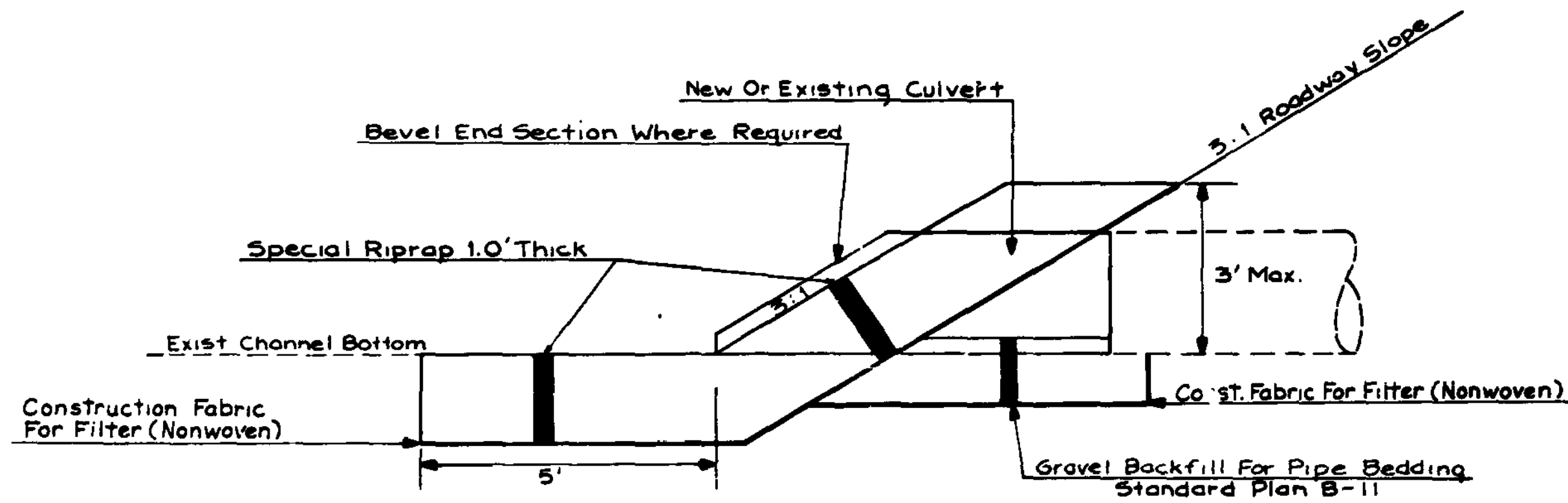


**Washington State  
Department of Transportation**

**SR 17**  
**EAST FOSTER CREEK TO SR 174**

### DRAINAGE DETAILS

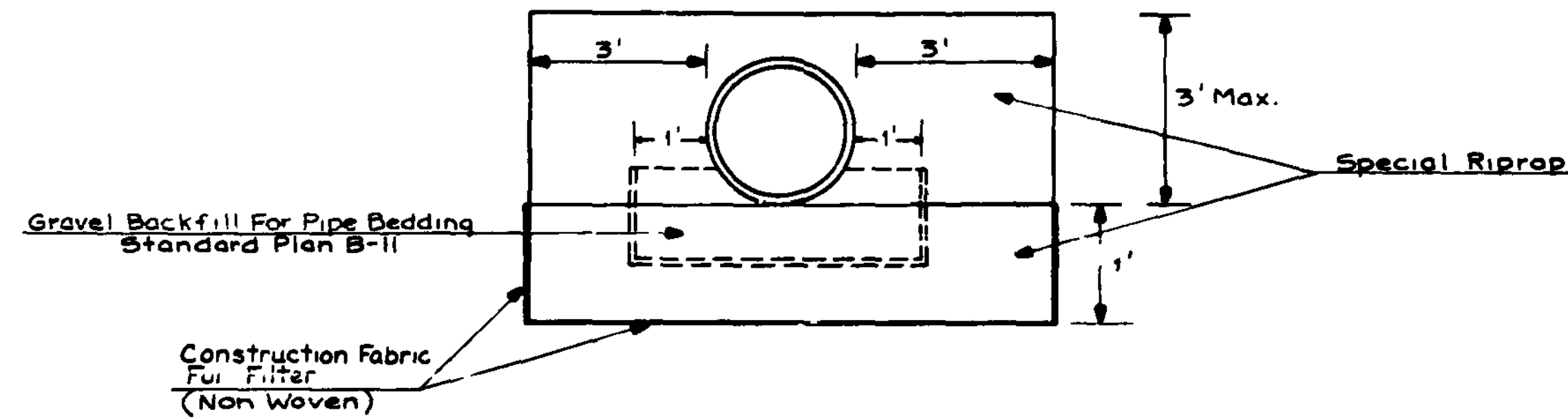
SHEET  
26  
OF  
32  
PAGE 1



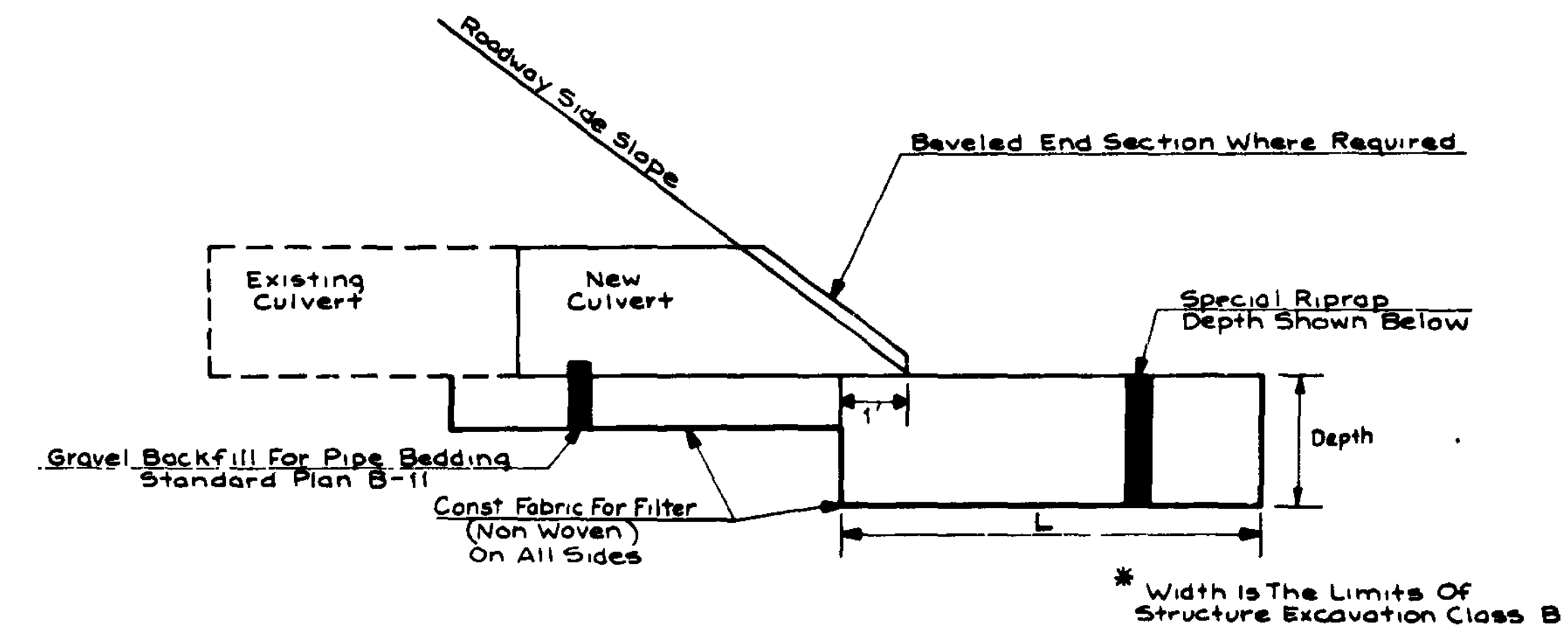
DRAINAGE DETAIL- SPECIAL RIPRAP ON CULVERT INLETS

STATION		
998 + 24	LT.	NEW
1174 + 03	LT.	EXISTING
1174 + 11	LT.	EXISTING

SEE SPECIAL PROVISION :  
1. Special Riprap  
2. Construction Fabric  
3. Culvert Pipes



DETAIL TO SPECIAL RIPRAP ON CULVERT INLETS

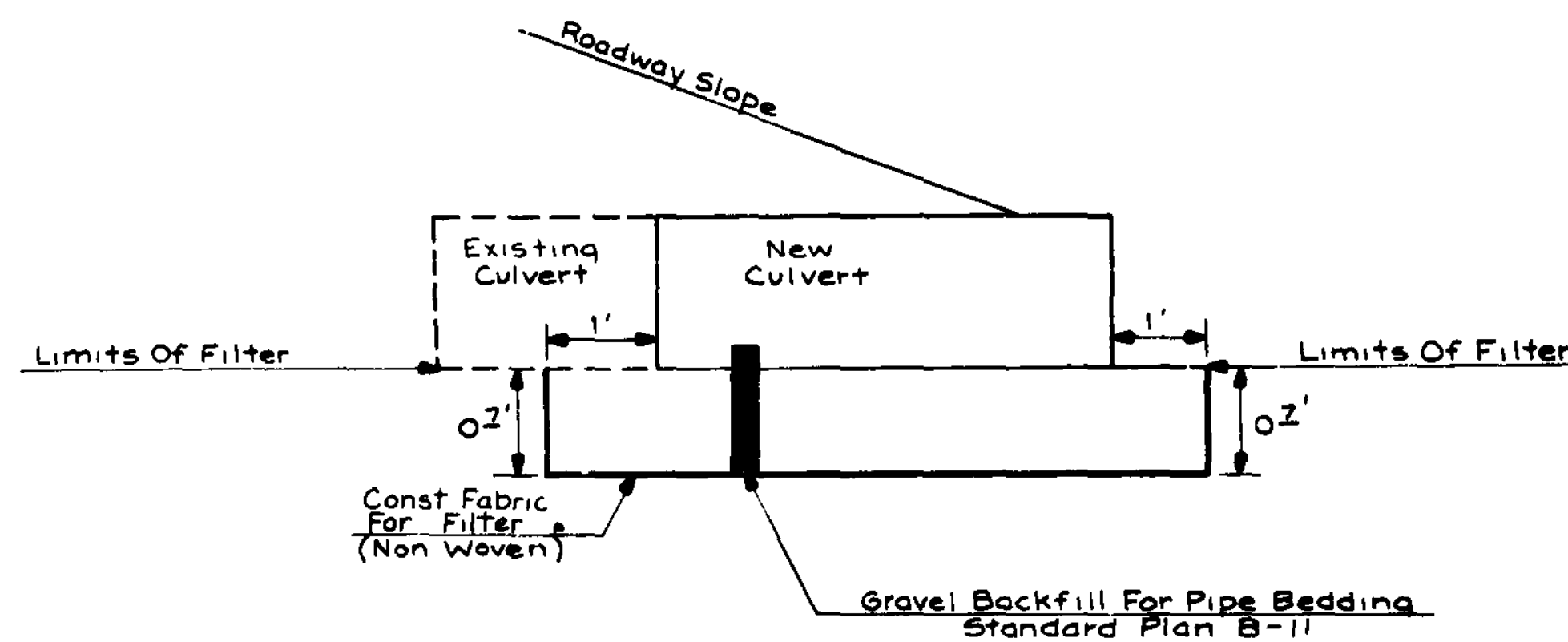


PIPE PLACEMENT DETAIL REQUIRING SPECIAL RIPRAP ON OUTLETS

STATION	L	DEPTH
1001 + 03 RT.	11'	1'
1039 + 30 RT.	11'	2'
1156 + 40 RT.	9'	1'
1173 + 72 RT.	14'	2'
1173 + 79 RT.	14'	2'
1228 + 02 RT.	8'	1'
1247 + 29 RT.	11'	1'
1348 + 80 RT.	3'	1'
1185 + 41 LT.	14'	1'
1319 + 96.6 RT.	5.5'	1'
980 + 52 RT.	8'	1'
1027 + 50 RT.	4.5'	1'
* 1062 + 48.5 RT.	19'	2'
1124 + 50 LT.	11'	1'

SEE SPECIAL PROVISION :  
1. Construction Fabric  
2. Culvert Pipes

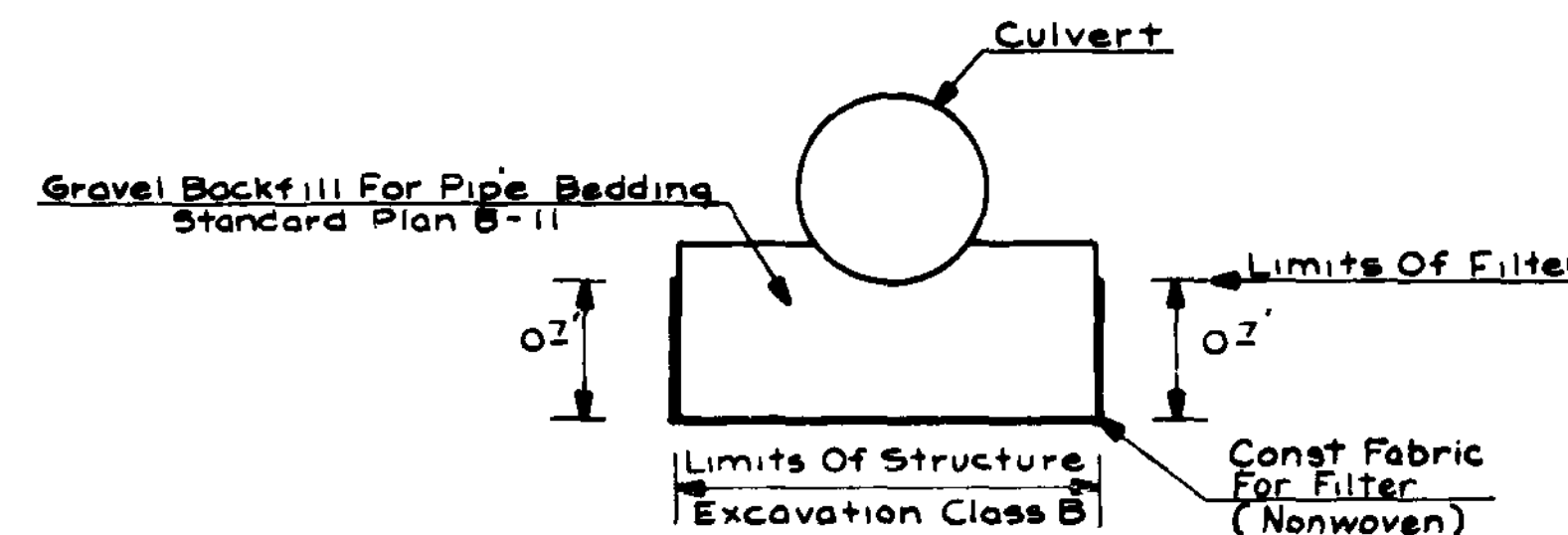
\* End of Revetment



TYPICAL FILTER CLOTH PLACEMENT

STATION		
960 + 80 RT.	1132 + 18 LT.	1336 + 78 RT.
1100 + 52 RT. & LT.	1185 + 41 LT. & RT.	1369 + 57 LT.
1124 + 50 RT. & LT.	1233 + 47 LT.	980 + 52 RT. & LT.
1132 + 02 RT.	1271 + 50 LT.	1027 + 50 RT.

SEE SPECIAL PROVISION :  
1. Construction Fabric  
2. Culvert Pipes



DETAIL TO TYPICAL FILTER CLOTH PLACEMENT

FOR "AS CONSTRUCTED PLANS" ONLY

DATE	REVISION	BY	APP'D	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
3-1-83	Added Depth Arrow	DRD		2448		



Jan 31, 1983  
APPROVED



Washington State  
Department of Transportation

SR 17  
EAST FOSTER CREEK TO SR 174

DRAINAGE DETAILS

SHEET  
27  
OF  
32  
SHEETS



Sheet 28 of 32 Sheets

**DRAINAGE DETAIL SECTION A-A**  
Station 1047+46 Rt.

**DRAINAGE DETAIL SECTION C-C**  
Station 1050 + 40 Rt.

# DRAINAGE PLAN

Station 1047+46 Rt.

**DRAINAGE DETAIL SECTION D-D**  
Station 1050+40 Rt.

**DRAINAGE DETAIL SECTION B-B**  
Station 1047+46 Rt.

# DRAINAGE PLAN

Station 1050+40 Rt.

No Change

FOR "AS CONSTRUCTED  
PLANS" ONLY

See Special Provisions  
1 Construction Fabric  
2 Special Riprap

						REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
DRAWN						10	WASH	F-017(9)		
CHECKED						JOB NUMBER				
PROJ. ENGR. BOB MURRAY						82E217				
DIST. ADM..						CONTRACT NO.				
	DATE		REVISION		BY APP'D					

## HIGHWAY DIVISION



Jan 31, 1983  
APPROVED

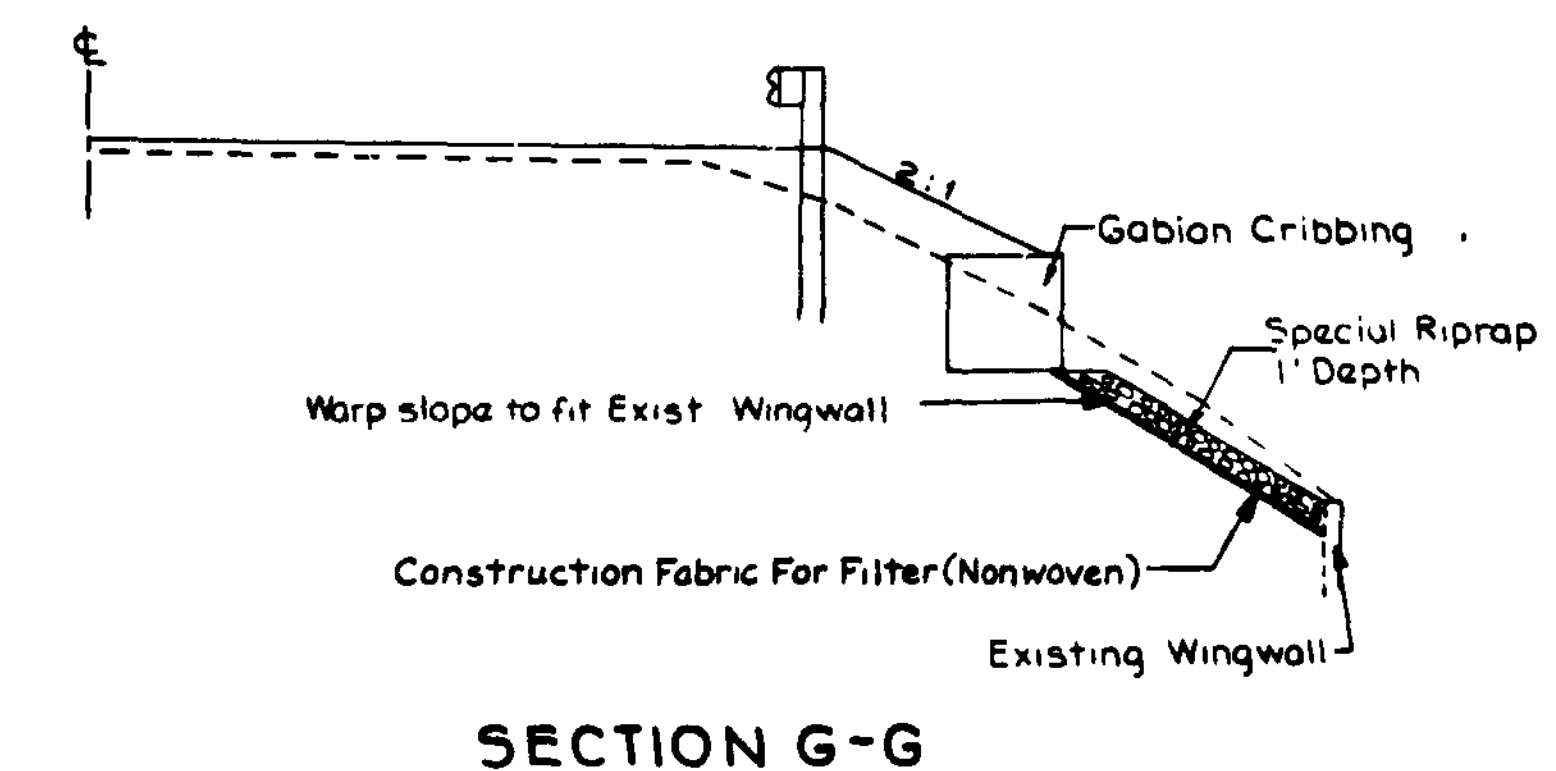
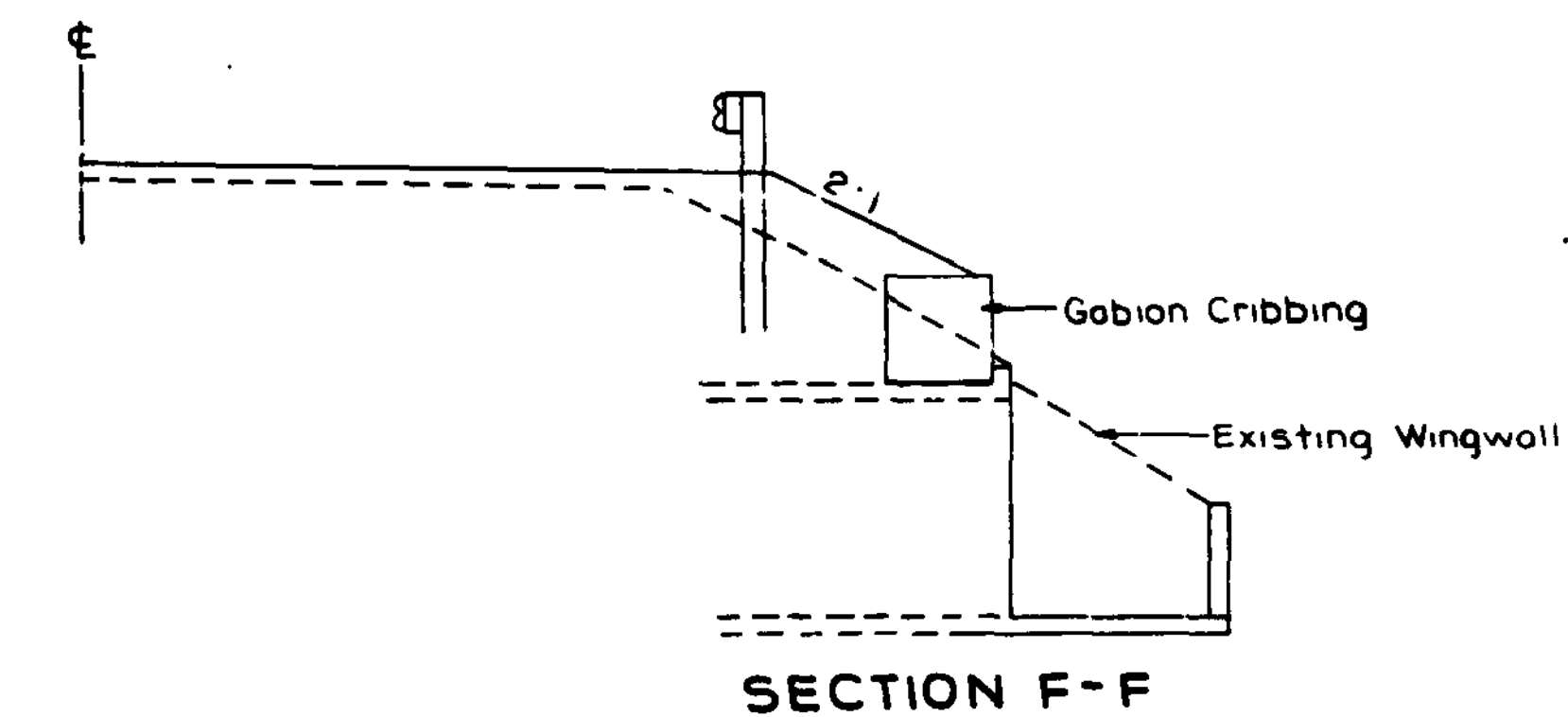
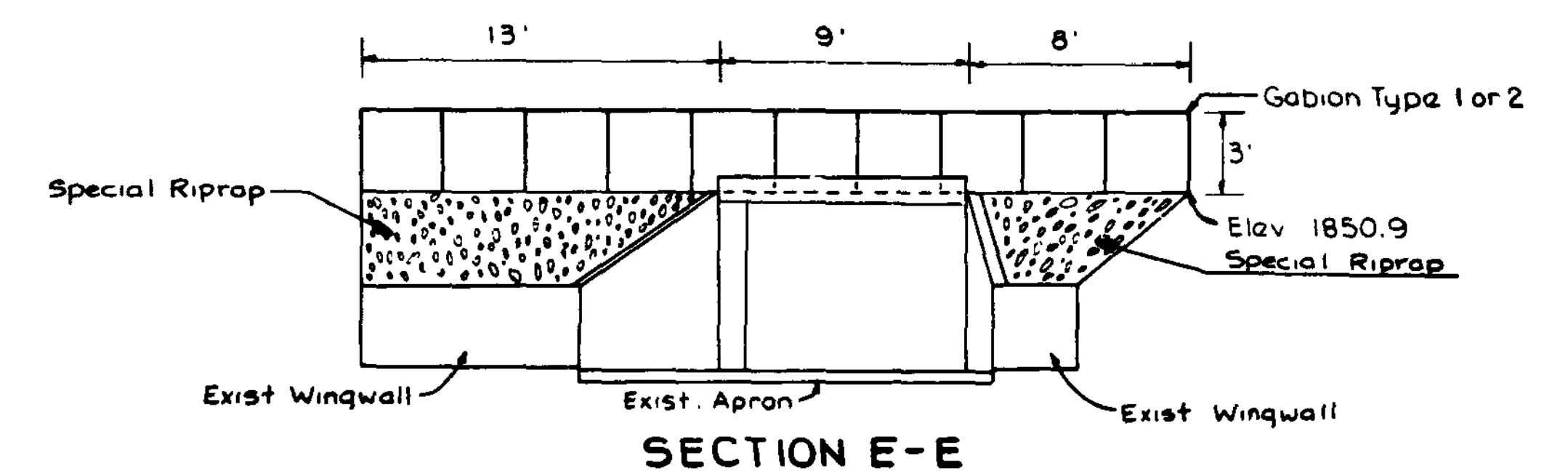
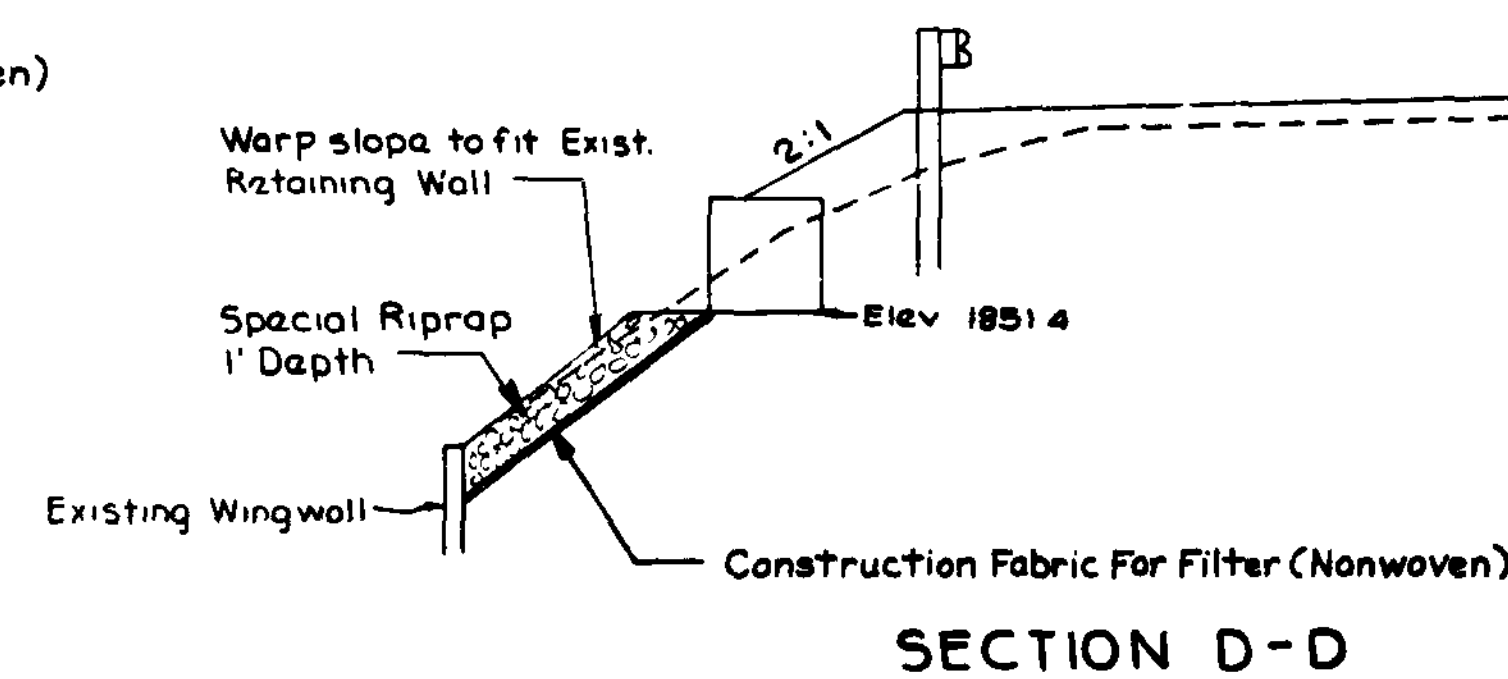
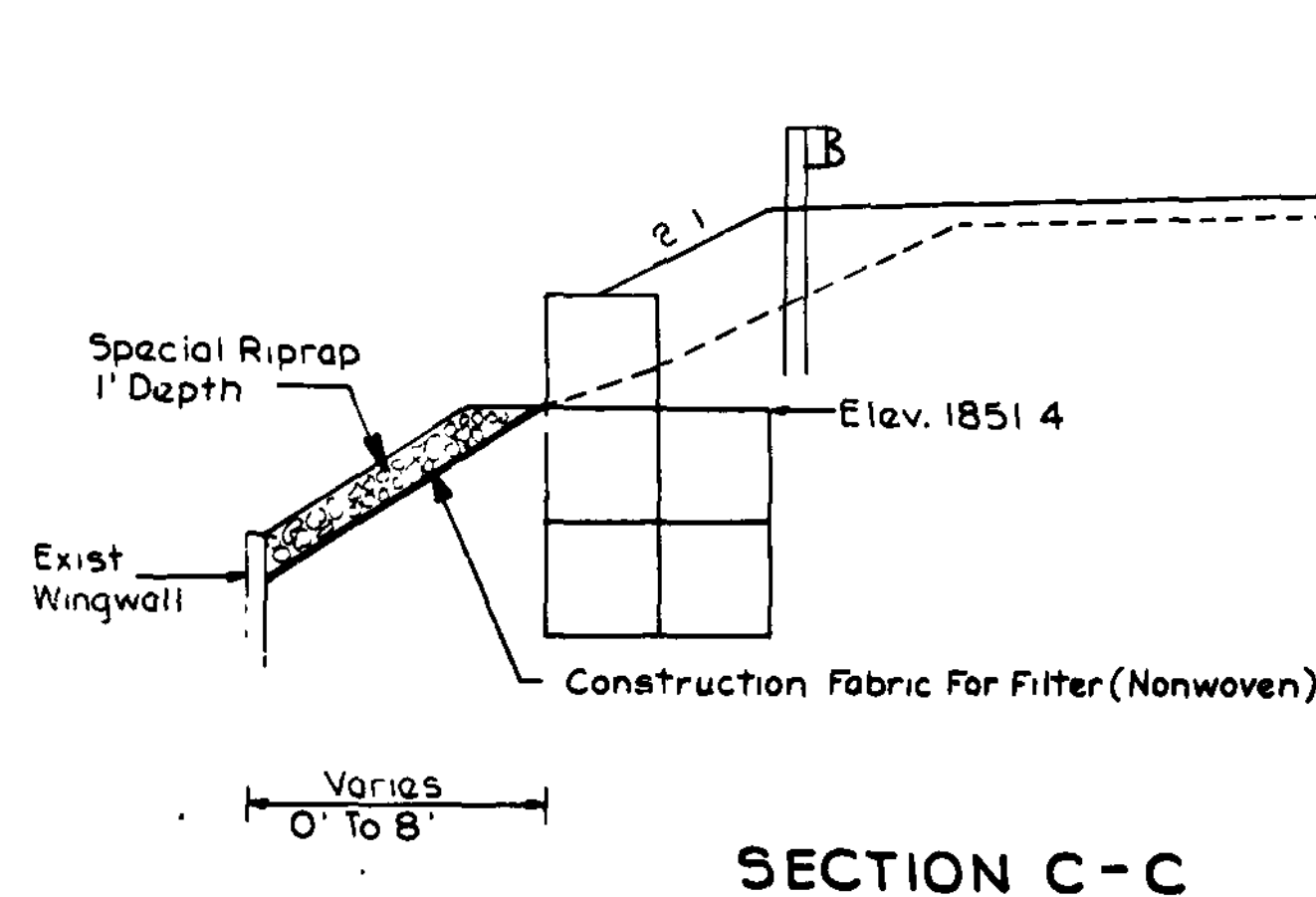
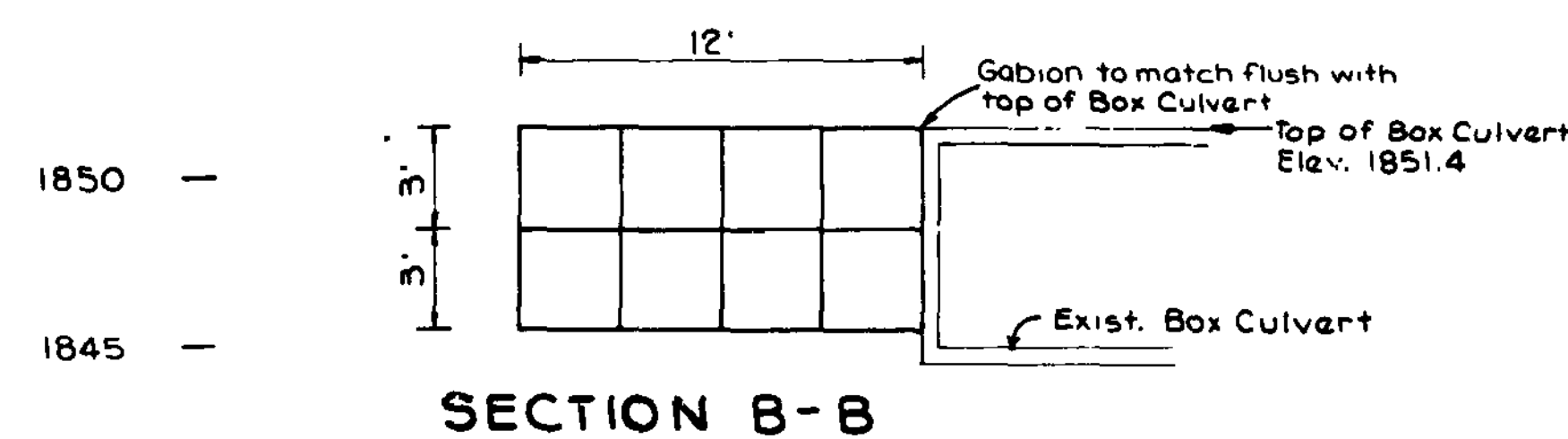
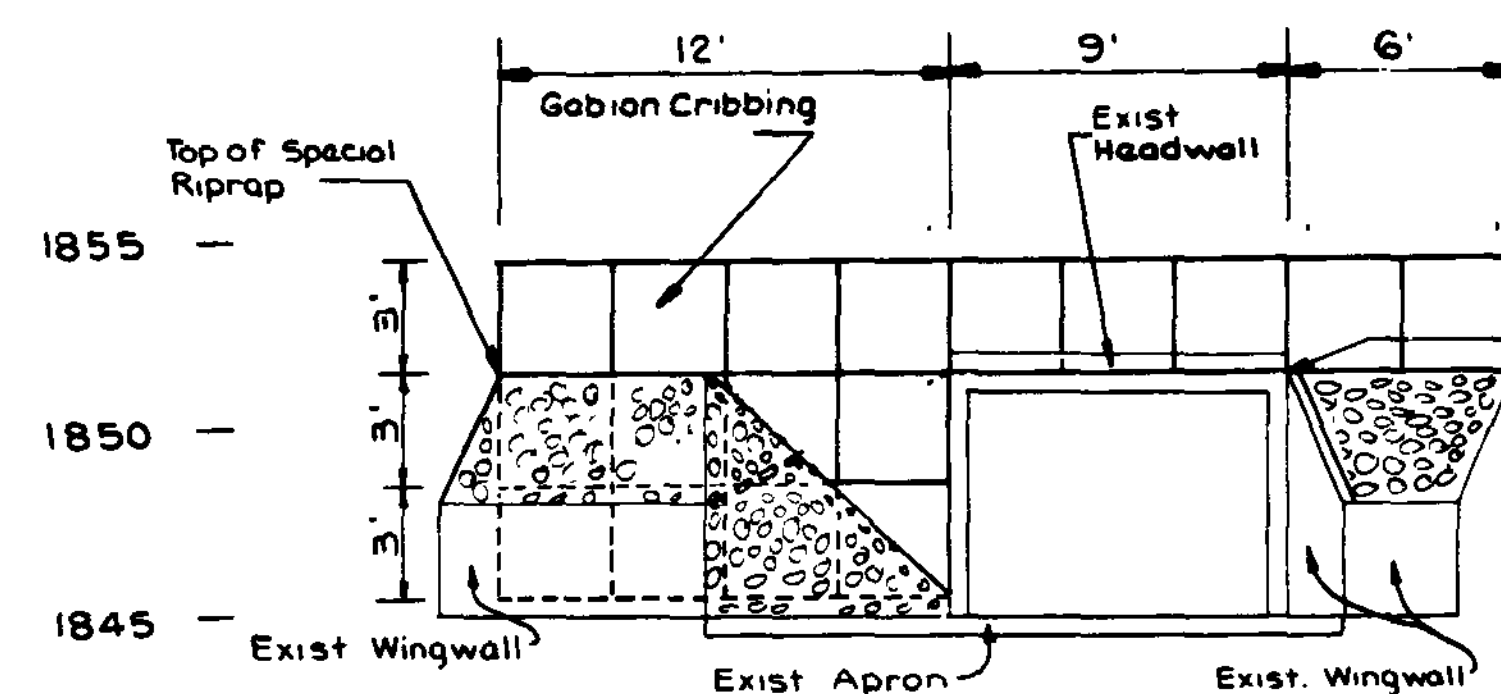


**Washington State  
Department of Transportation**

**SR 17**  
**EAST FOSTER CREEK TO SR 174**

### DRAINAGE DETAILS

**SHEET  
28  
OF  
32**



SEE SPECIAL PROVISION :  
1. Gabions  
2. Special Riprap  
3. Construction Fabric

No Change

FOR "AS CONSTRUCTED  
PLANS" ONLY

**DRAINAGE DETAIL PLAN**  
**Gabion For Box Culvert**  
**STA. 1254+16**

Note: See Std. Plan D-6 & D-6a  
Gobion Type 1 or 2

						SECTION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
						10	WASH	F-017 (9)		
						JOB NUMBER 82E217				
						CONTRACT NO. <i>2468</i>				
						DATE	REVISION	BY APP'D		
<i>PROJ ENGR. BOB MURRAY</i>										



Jan 31, 1983  
APPROVED



**Washington State  
Department of Transportation**

**SR 17**  
**EAST FOSTER CREEK TO SR 174**

### DRAINAGE DETAILS

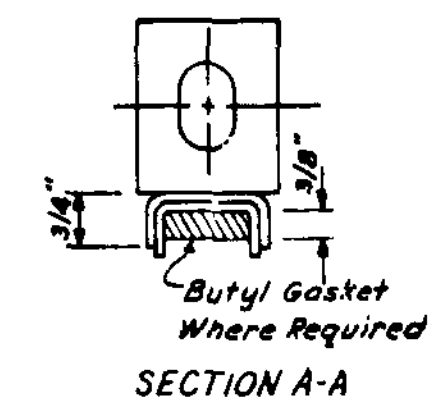
SHEET  
29  
OF  
32  
SHEETS

Sheet 30 of 32 Sheets

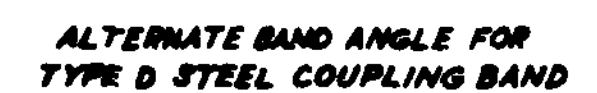
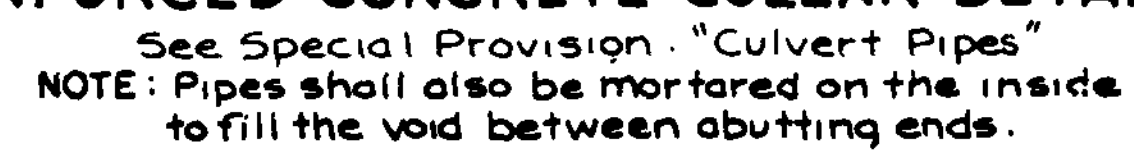


STA. 1097+00 RT.

See Special Provision :  
"Modification Of Existing Spring"



**CORRUGATED STEEL PIPE  
FLANGE COUPLING BAND**



Washington State  
Department of Transportation

**SR 17**  
**EAST FOSTER CREEK TO SR 174**

### DRAINAGE DETAILS

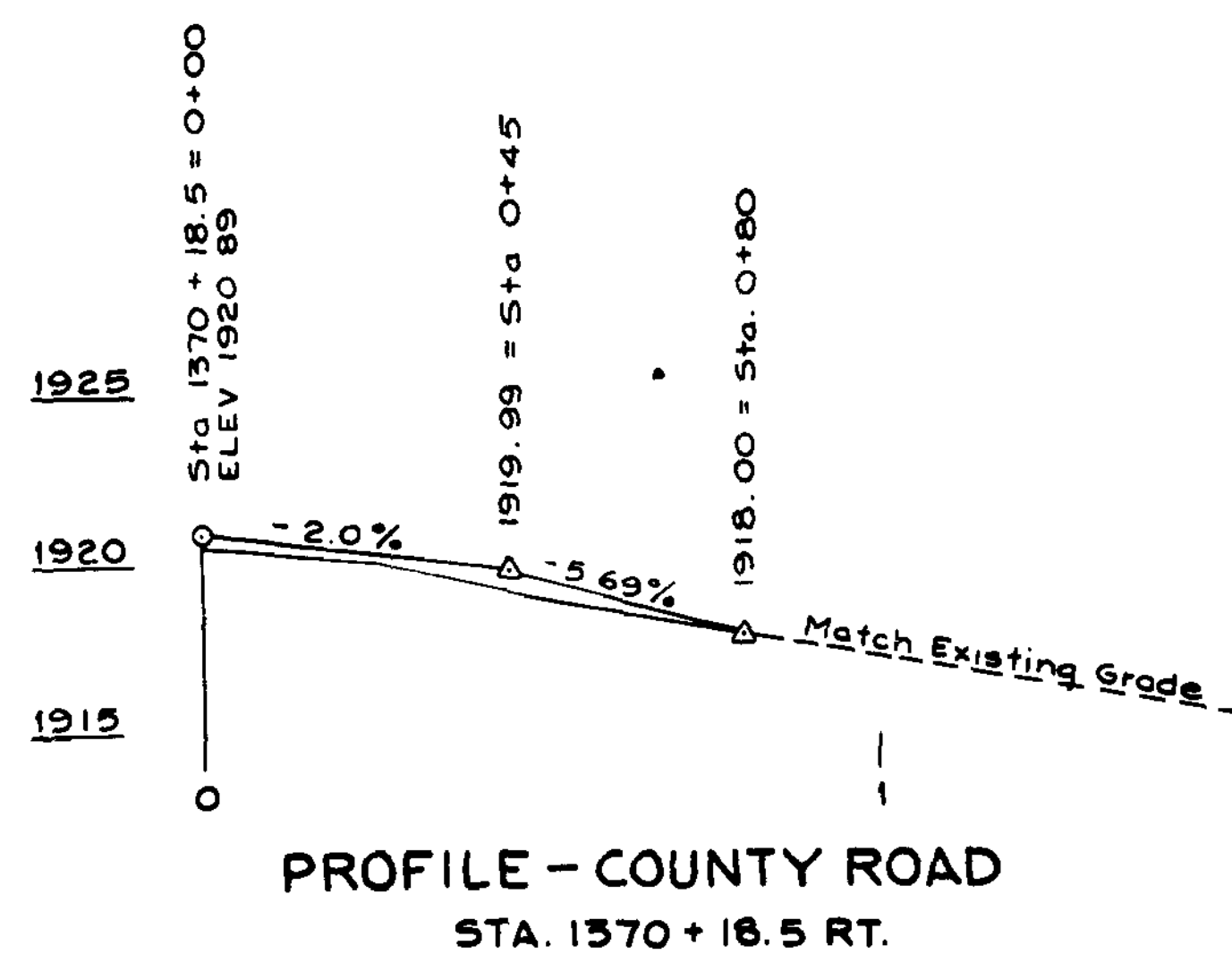
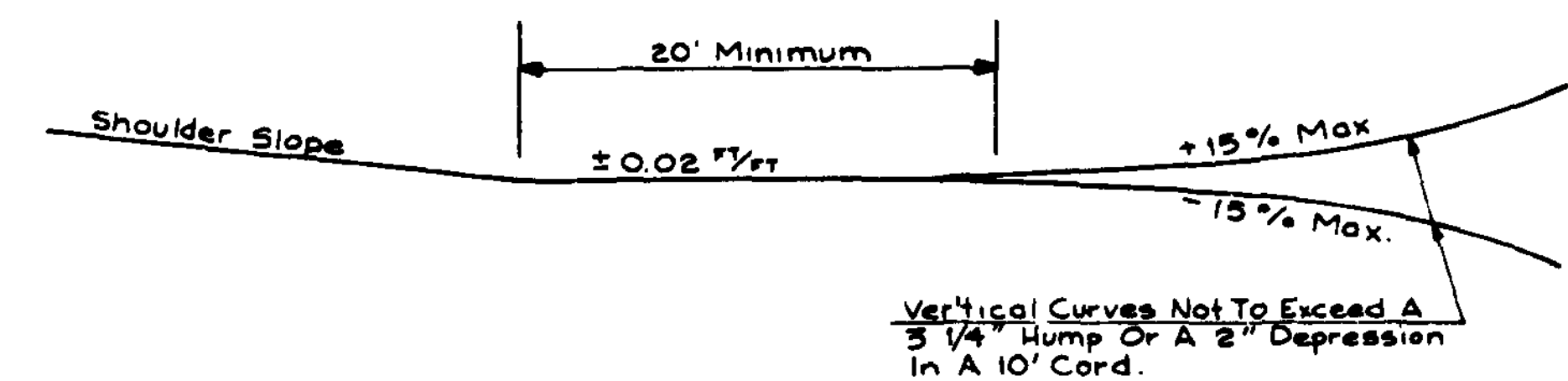
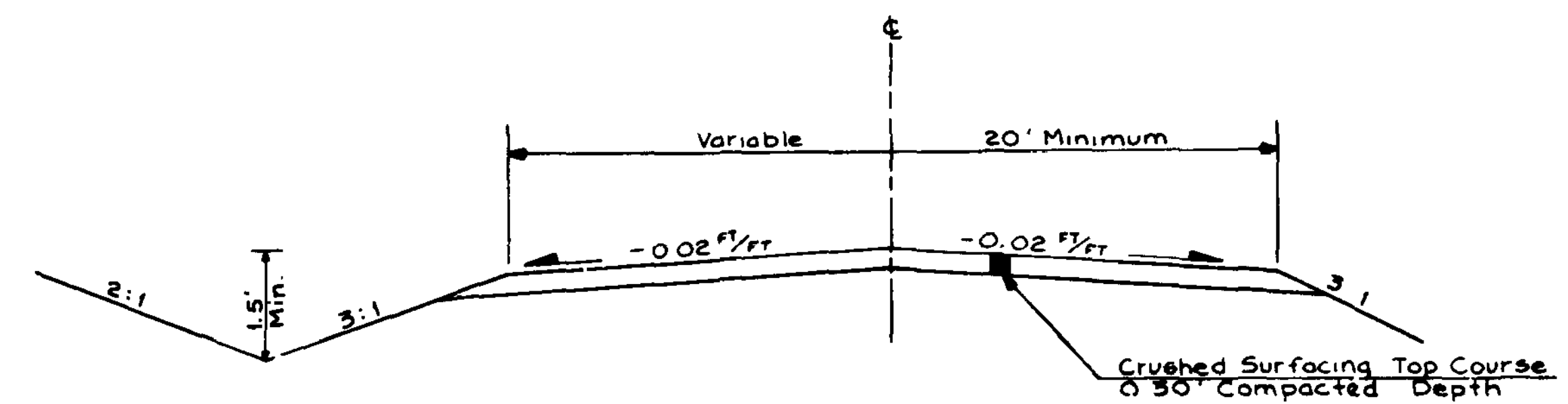
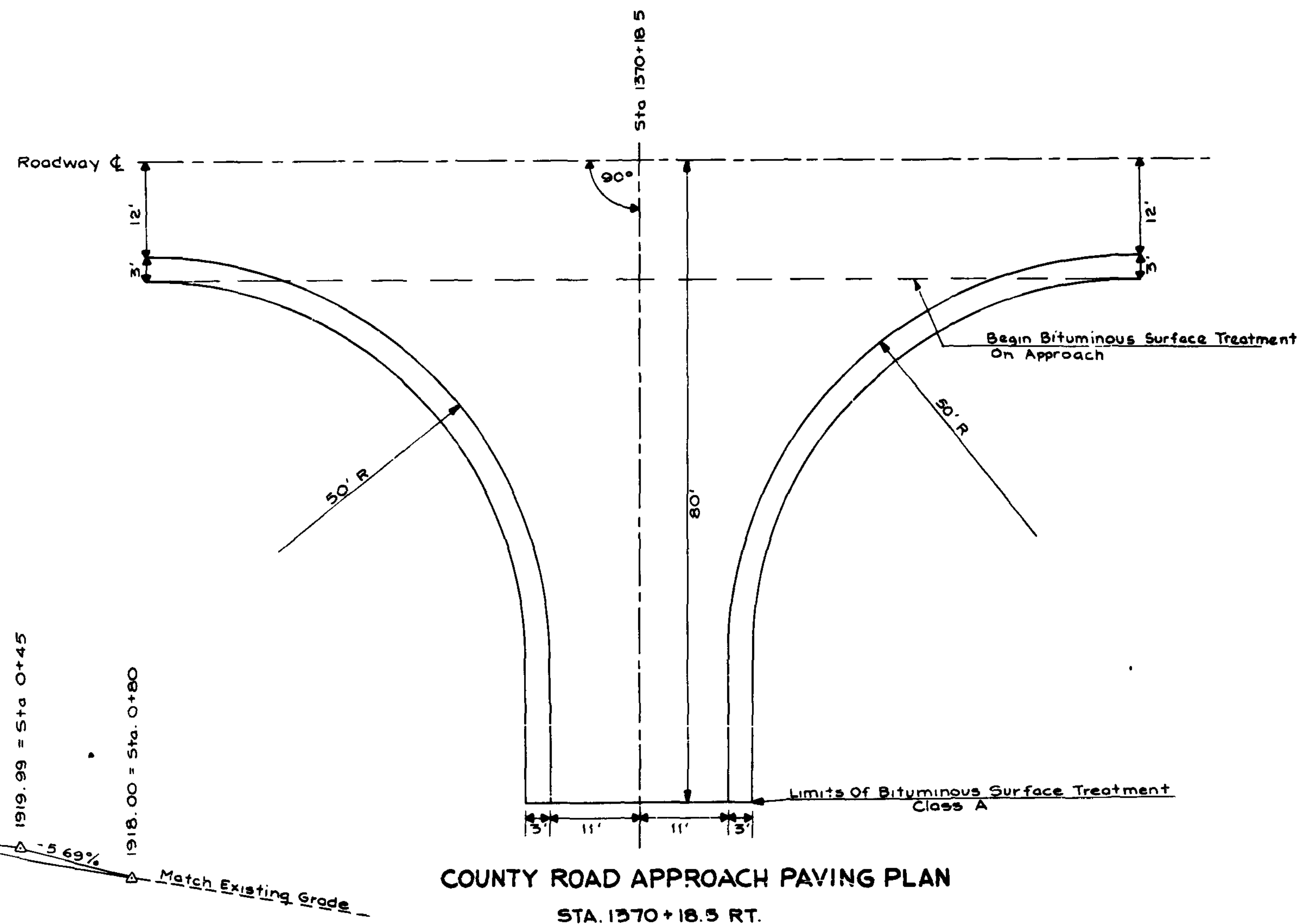
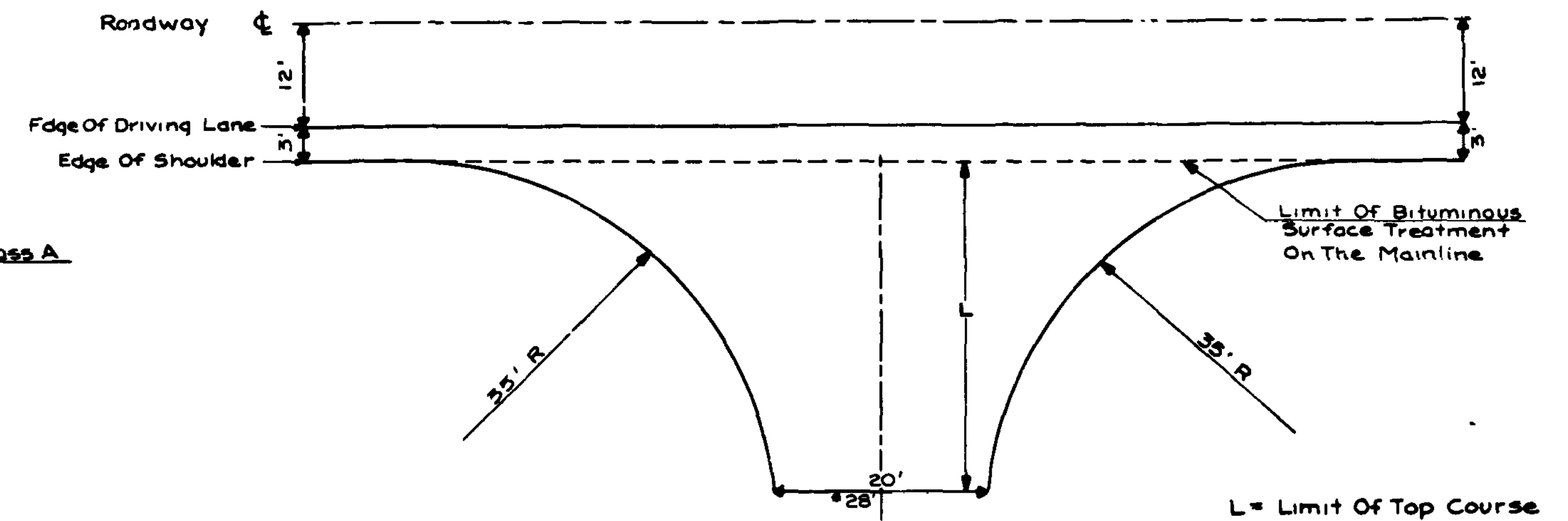
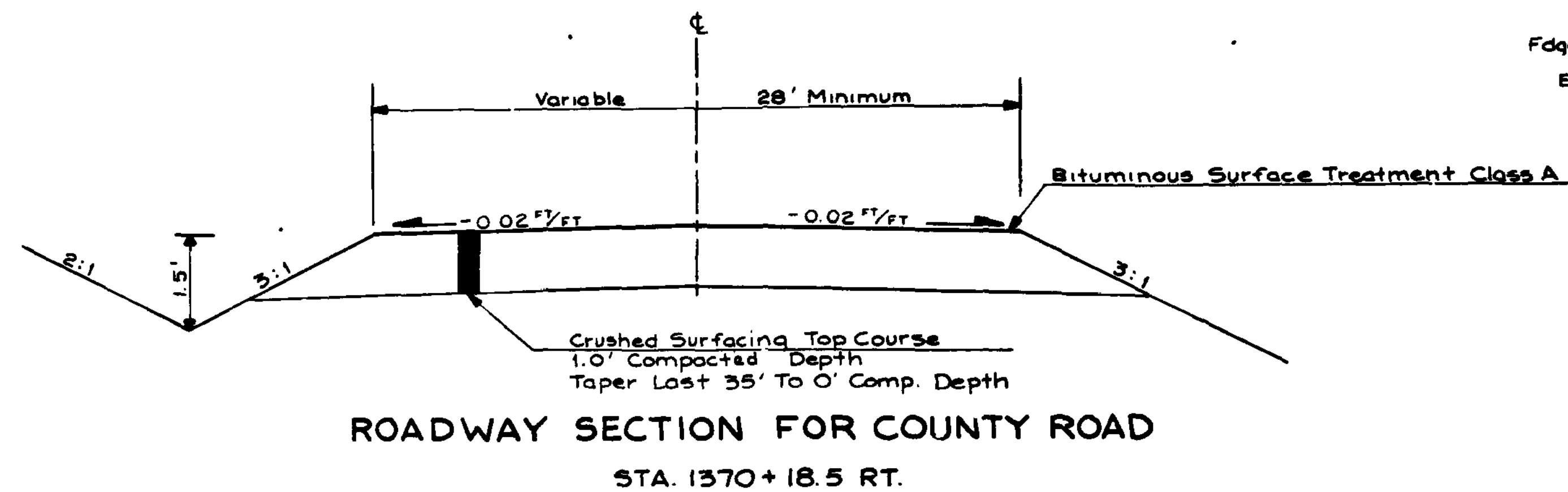
SHEET  
30  
OF  
32  
SHEETS

[illegible]

K-E DOT FORM 221-012  
Revised 6/80

Jan 31, 1983  
APPROVED

SR 17



**FOR "AS CONSTRUCTED  
PLANS" ONLY**

							SHEET NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
							10	WASH	F-017(9)		
						JOB NUMBER BZE 217					
PROJ. ENGR. BOB MURRAY						CONTRACT NO. 2468					
DATE						REVISION	BY APP'D				



Jan 31, 1983  
APPROVED



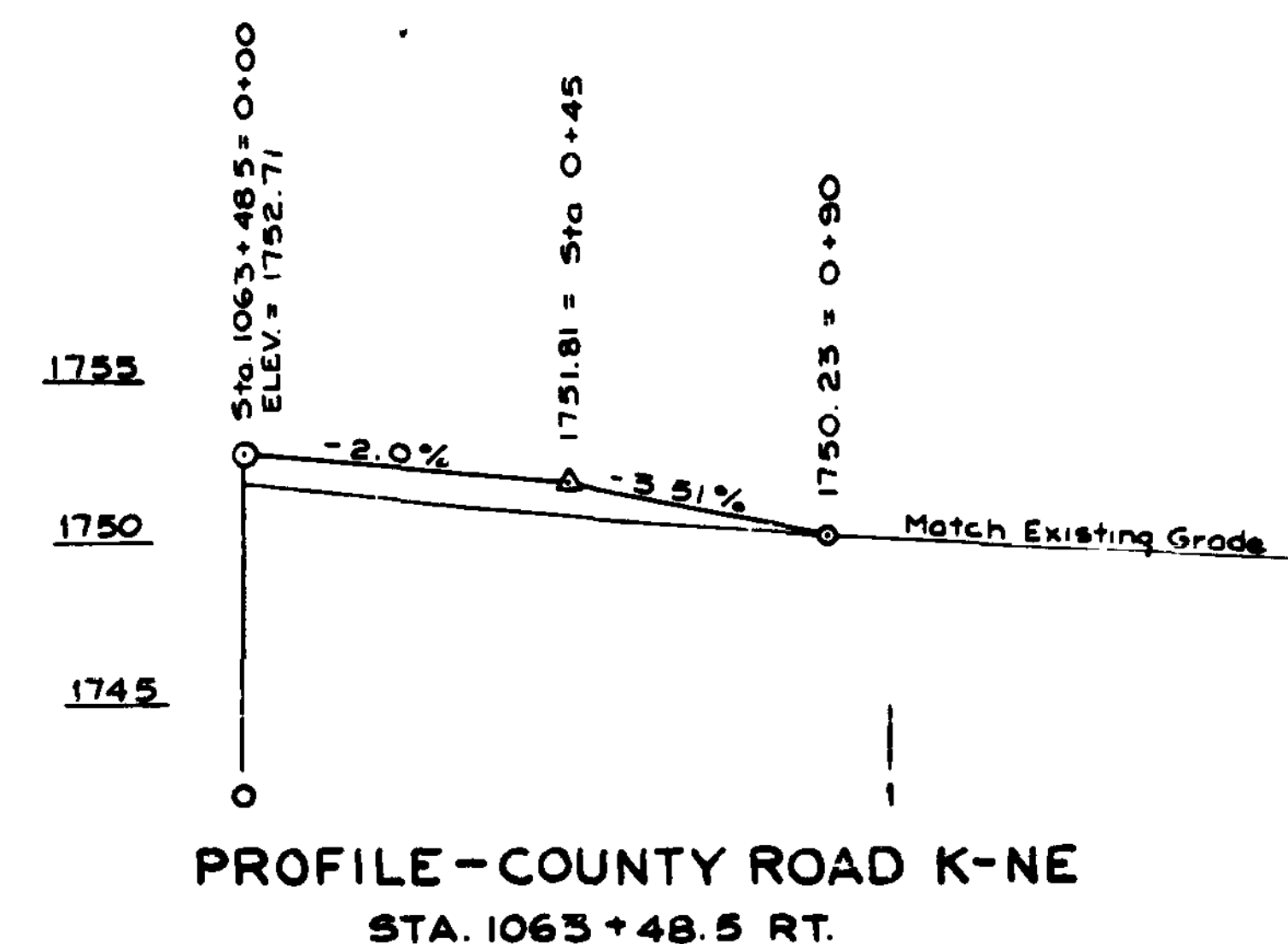
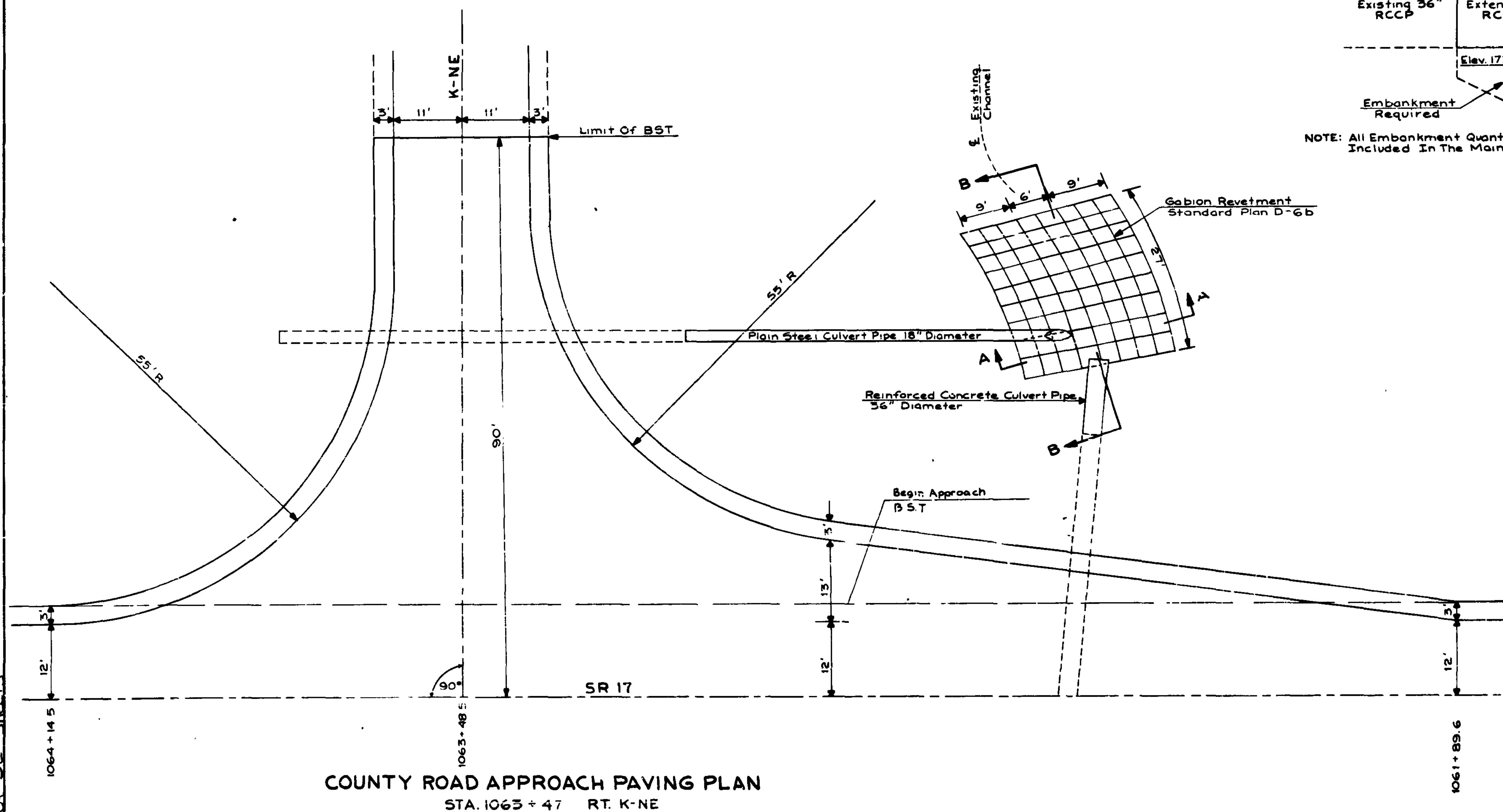
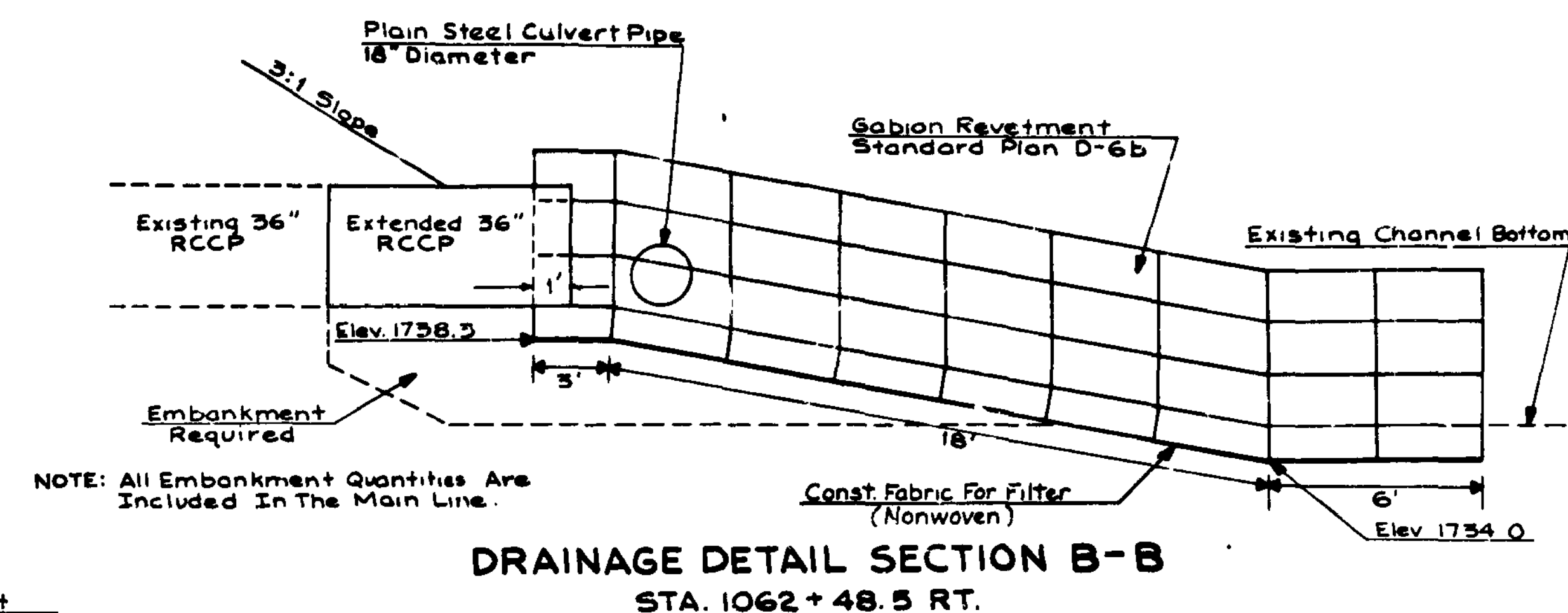
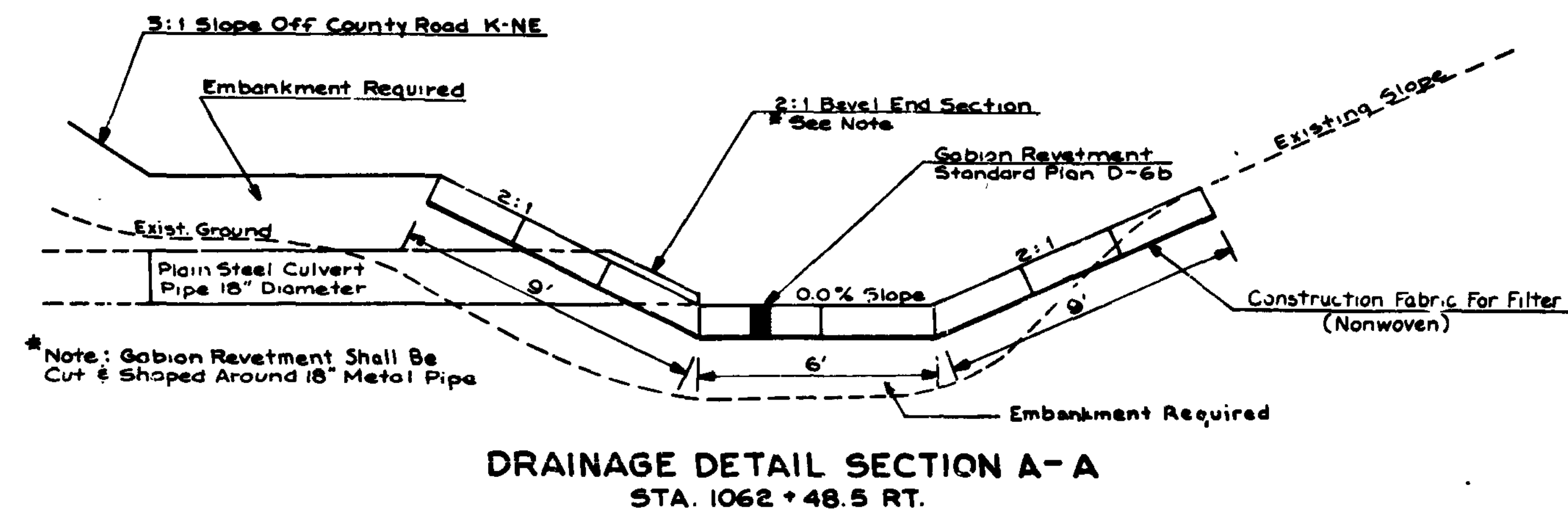
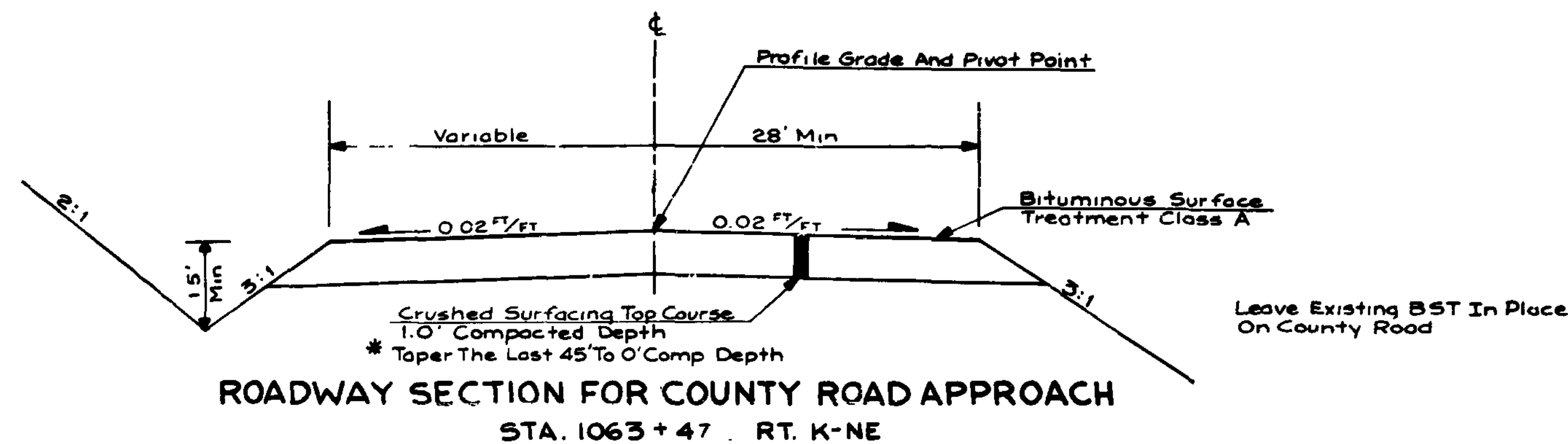
**Washington State  
Department of Transportation**

**SR 17**  
**EAST FOSTER CREEK TO SR 174**

### ROAD APPROACH DETAILS AND SECTIONS

SHEET  
31  
OF  
32  
SHEETS





FOR "AS CONSTRUCTED  
PLANS" ONLY



PROJECT NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
10	WASH	F-017 (9)		
PROJECT ENGR. BOB MURRAY	JOB NUMBER 82E217	CONTRACT NO. 2468		
DATE	REVISION	BY/APPD		



Jan 31, 1983  
APPROVED

Washington State  
Department of Transportation

SR 17  
EAST FOSTER CREEK TO SR 174

PLAN, SECTION, AND DRAINAGE DETAILS  
COUNTY ROAD K-NE AND VICINITY

SHEET  
32  
OF  
32  
SHEETS