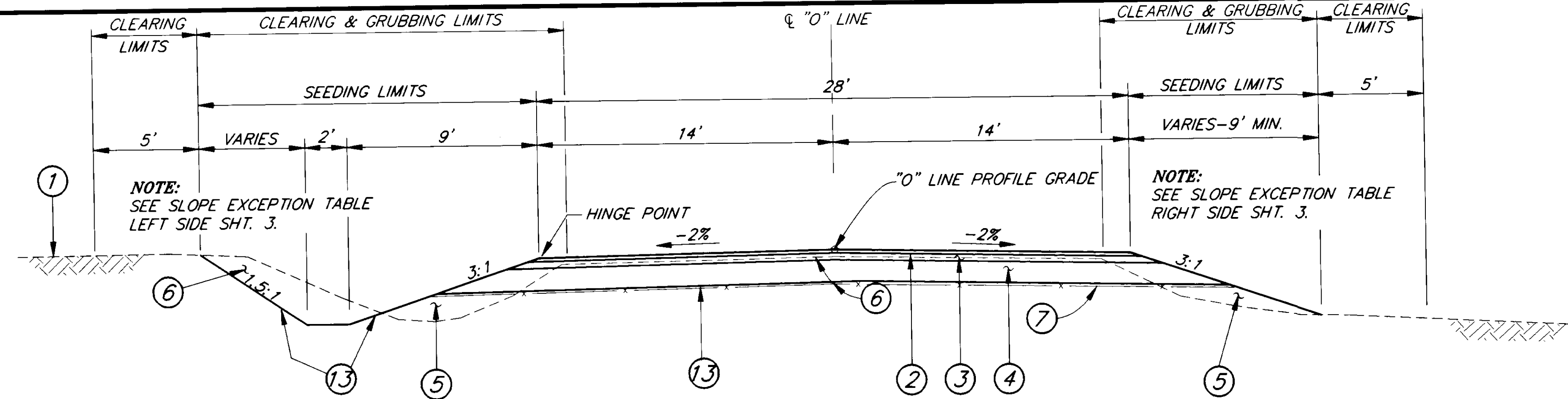


GENERAL NOTES

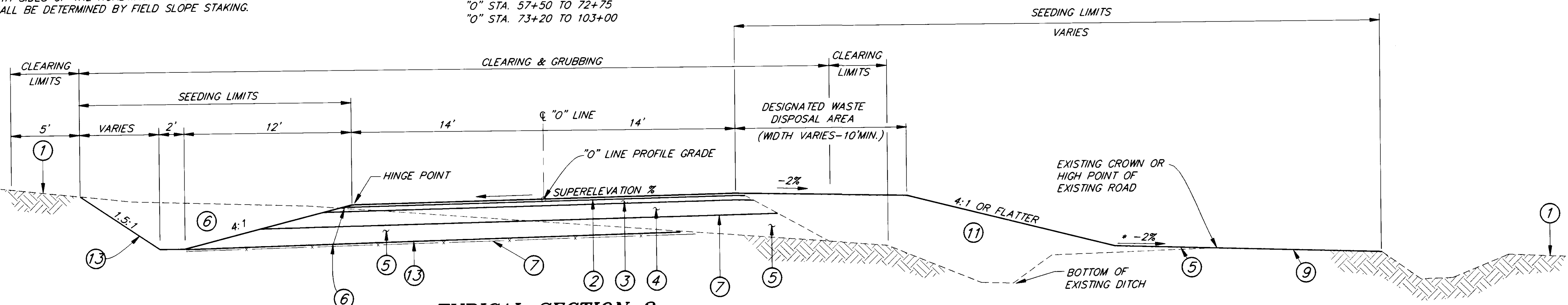
1. CROSS SECTIONS ARE AVAILABLE FOR CONTRACTOR USE. SEE NOTICE TO BIDDERS.
2. GRADES AND ALIGNMENT ARE APPROXIMATE ONLY AND SUBJECT TO MINOR REVISION BY THE ENGINEER.
3. CULVERT LOCATIONS AND INVERT ELEVATIONS ARE APPROXIMATE ONLY AND SUBJECT TO MINOR FIELD REVISION BY THE ENGINEER.
4. SEE SHEETS 25 THRU 28 FOR EROSION AND SEDIMENT CONTROL REQUIREMENTS.
5. THE ENGINEER MAY REQUIRE ROADWAY SUBEXCAVATION TO REMOVE POCKETS OF UNSUITABLE MATERIAL. BACKFILL SHALL BE BORROW, TYPE "B".
6. SUPERELEVATION SHALL ROTATE ABOUT CENTERLINE.
7. WASTE AREA WIDTH AT THIS LOCATION TO BE DETERMINED BY ENGINEER.
8. THE ESTIMATED QUANTITY FOR UNCLASSIFIED EXCAVATION INCLUDES 2,000 C.Y. ESTIMATED QUANTITY OF SUBEXCAVATION.



TYPICAL SECTION 1

"O" STA. 13+50 TO 49+50
 "O" STA. 57+50 TO 72+75
 "O" STA. 73+20 TO 103+00

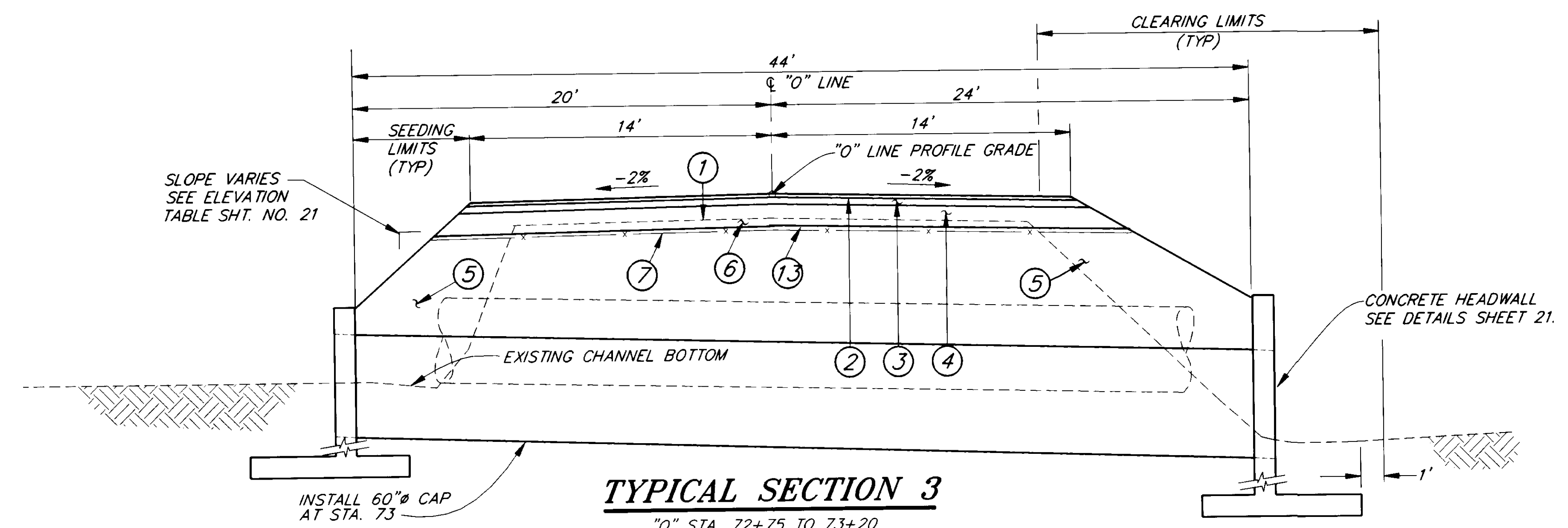
NOTE:
 CUT & FILL TYPICALS ARE ILLUSTRATIVE ONLY AND MAY APPLY TO EITHER OR BOTH SIDES OF THE ROADWAY. APPLICATION SHALL BE DETERMINED BY FIELD SLOPE STAKING.



TYPICAL SECTION 2

"O" STA. 49+50 TO 57+50
 ("O" STA. 49+00; BEGIN 50' TRANSITION TO TYPICAL SECTION 2)
 ("O" STA. 58+00; END 50' TRANSITION FROM TYPICAL SECTION 2)

* GRADE TO DRAIN. FINAL SLOPE TO BE DETERMINED BY THE ENGINEER.



TYPICAL SECTION 3

"O" STA. 72+75 TO 73+20

LEGEND

1	EXISTING GROUND
2	2" ASPHALT CONCRETE, TYPE II, CLASS "B" WITH MC-250 LIQUID ASPHALT FOR PRIME COAT
3	6" CRUSHED AGGREGATE BASE COURSE
4	12" SUBBASE GRADING "E"
5	BORROW, TYPE "B" OR USEABLE EXCAVATION MEETING REQUIREMENTS OF BORROW, TYPE "B"
6	UNCLASSIFIED EXCAVATION
7	GEOTEXTILE SEPARATION FABRIC
8	CLASS I RIPRAP
9	4" DEEP ROADWAY SCARIFICATION
10	2' MIN. DRAIN ROCK
11	WASTE EXCAVATION
12	GEOTEXTILE RIPRAP LINER
13	LIMITS OF EXCAVATION

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: P:\HNS\71400\DR\TYP PLOT.PCP(4) OR PLOT.H.PCP(8)

BY:	DATE:	DESCRIPTION OF CHANGE:

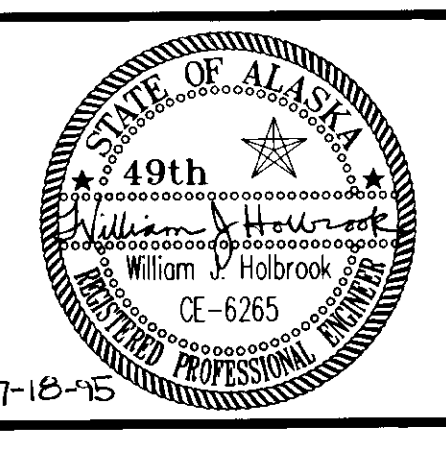
RECORD OF REVISIONS

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

HAINES

SMALL TRACTS ROAD
 REHABILITATION & PAVING
 STP-0003(25) ~ 71400
TYPICAL SECTIONS

ALASKA	DESIGNED BY: W.J. HOLBROOK	PROJECT NO. 71400
	DRAWN BY: K. SNYDER	DATE: 1995
	CHECKED BY: C.N. MORROW	SHEET 2 OF 30



SLOPE EXCEPTION TABLE - LEFT SIDE

STATION	FILL SLOPE	DITCH SECTION		REMARKS
		FORE SLOPE	BACK SLOPE	
13+50 TO 14+00				DAYLIGHT @ -2%
14+50	50:1			
15+00	8:1			
16+00 TO 19+00		3:1	1 1/2:1	2' DEEP DITCH
19+50		3:1	50:1	2' DEEP DITCH
20+50			8:1	
21+00 TO 21+50			20:1	
26+50 TO 31+00			50:1	
32+00 TO 33+00				4' DEEP DITCH
33+50 TO 35+00			50:1	
35+50 TO 36+00			50:1	
42+00			50:1	
45+50 TO 46+50			50:1	
60+50 TO 63+00			50:1	
66+50 TO 69+50			50:1	
74+00 TO 76+00			50:1	
81+00			50:1	
88+50			50:1	
89+00			4:1	
90+00 TO 93+00				10' WIDE DITCH

SLOPE EXCEPTION TABLE - RIGHT SIDE

STATION	FILL SLOPE	DITCH SECTION		REMARKS
		FORE SLOPE	BACK SLOPE	
13+50	15:1			
14+00	6:1			
14+50	20:1			
15+50 TO 16+00		3:1	1 1/2:1	2' DEEP DITCH
16+50 TO 19+00		3:1	50:1	2' DEEP DITCH
19+50 TO 21+50			50:1	
22+50 TO 23+50			50:1	
24+50 TO 25+50			50:1	
27+50 TO 30+00			50:1	
31+00 TO 31+50			50:1	
38+00 TO 39+50			50:1	
58+00 TO 62+00				4' DEEP DITCH
68+00			50:1	
70+00			50:1	
71+00			50:1	
72+50			50:1	
73+50	20:1			
75+00 TO 75+50			50:1	
77+00			50:1	
80+50 TO 81+00			50:1	
83+00 TO 83+50			4:1	
84+00 TO 86+00			50:1	
89+00			2:1	
90+50 TO 91+00	10:1			
92+50	6:1			
96+00	6:1			
96+50 TO 97+00				DAYLIGHT @ -2%
97+50 TO 98+50	4:1			
99+50			50:1	
100+00	6:1			
100+50			4:1	
101+50 TO 102+00			50:1	
102+50 TO 103+00			10:1	

SLOPE BREAK POINT

NOTE:

CLASS I RIPRAP & LINER THIS END EXTENDS FROM STA. 99+50 TO STA. 103+00. SEE PLAN SHEETS.

GENERAL NOTES

- ALL DITCH DEPTHS THIS SHEET MEASURED FROM SHOULDER - SLOPE JUNCTION (HINGE POINT).
- SEE SPECIAL DITCH PROFILE INFORMATION GIVEN ON PROFILE - PLAN AND PROFILE SHEETS.
- FOR TYPICAL DRIVEWAY RECONSTRUCTION DETAILS SEE SHEETS 19 & 20.
- LIMITS OF PAVING AT DRIVEWAYS SHALL BE 35' FROM "O" LINE, EXCEPT AS NOTED. SEE PLAN SHEETS.

SPECIAL DITCH EXCEPTION TABLE

STATION	OFFSET	*DITCH DEPTH	REMARKS
25+00	LT.	3.7'	MAINTAIN 3:1 FORESLOPE
25+50	LT.	4.4'	" " " "
26+00	LT.	5.0'	" " " "
25+00	RT.	3.9'	" " " "
25+50		4.7'	" " " "
26+00		5.5'	" " " "
26+50		4.8'	" " " "
27+00		4.3'	" " " "
27+50		3.8'	" " " "
28+00	RT.	3.4'	" " " "
31+50	RT.	3.7'	" " " "
32+00		4.3'	" " " "
32+50		4.8'	" " " "
33+00		5.2'	" " " "
33+50		5.6'	" " " "
34+00		6.0'	" " " "
34+50		6.4'	" " " "
35+00		5.6'	" " " "
35+50		4.9'	" " " "
36+00		4.3'	" " " "
36+50		3.8'	" " " "
37+00	RT.	3.4'	" " " "
40+00	RT.	3.4'	" " " "
40+50		3.8'	" " " "
41+00		4.1'	" " " "
41+50		4.4'	" " " "
42+00		4.9'	" " " "
42+50		4.4'	" " " "
43+00		4.0'	" " " "
43+50		3.7'	" " " "
44+00		3.3'	" " " "
51+50	RT.	5.0'	MAINTAIN 4:1 FORESLOPE

* SEE GENERAL NOTE 2

SPECIAL DITCH EXCEPTION TABLE

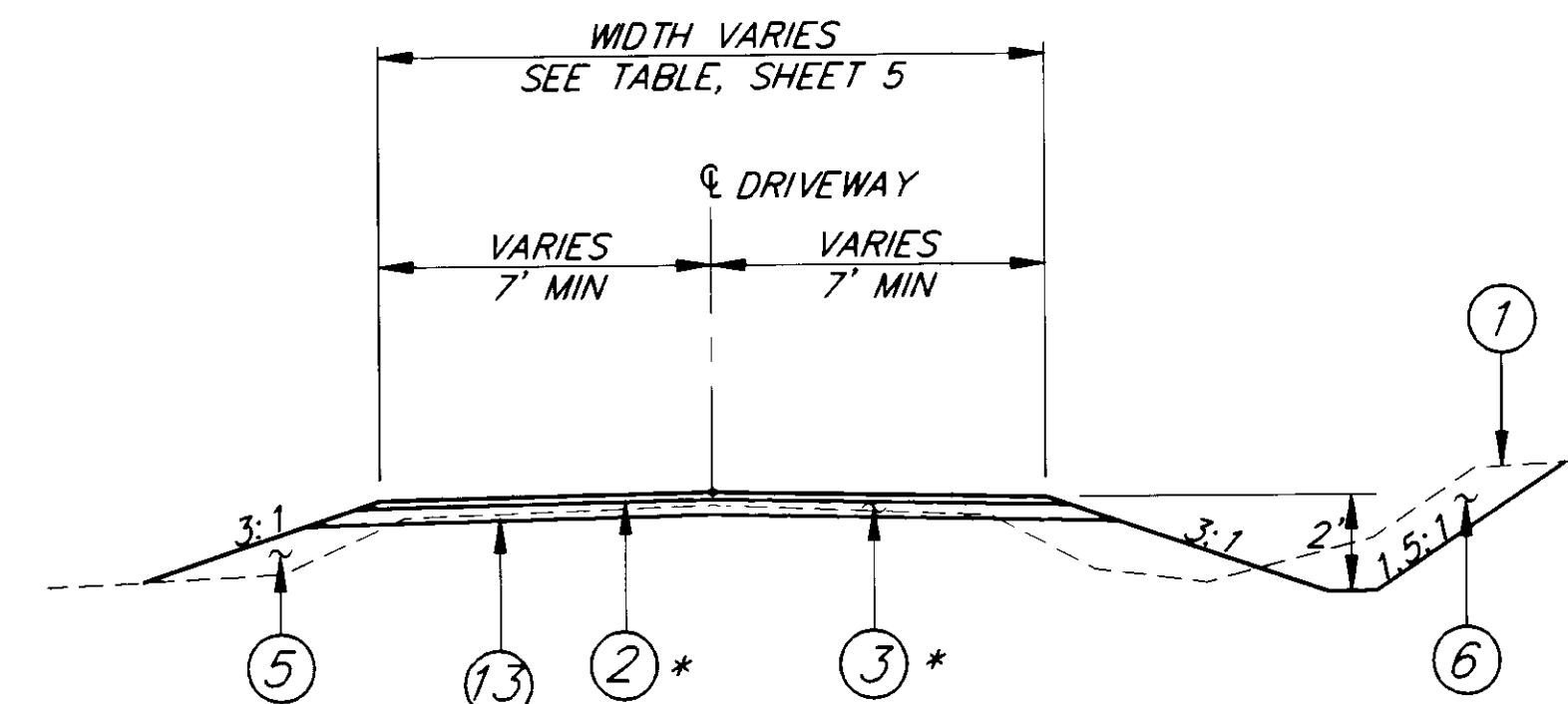
STATION	OFFSET	DITCH DEPTH	REMARKS
52+00	RT.	7.3'	MAINTAIN 4:1 FORESLOPE
53+00	LT.	3.6'	MAINTAIN 4:1 FORESLOPE
53+40		4.6'	" " " "
53+50		4.3'	" " " "
54+00	LT.	3.3'	" " " "
72+00	LT. & RT.	3.1'	MAINTAIN 3:1 FORESLOPE
72+50	LT. & RT.	4.1'	" " " "
76+00	LT.	3.4'	" " " "
76+50		4.3'	" " " "
77+00		5.2'	" " " "
77+50		5.8'	" " " "
78+00		6.2'	" " " "
78+50		6.1'	" " " "
79+00		5.7'	" " " "
79+50		5.2'	" " " "
80+00		4.6'	" " " "
80+50		4.1'	" " " "
81+00		3.7'	" " " "
81+50		3.4'	" " " "
82+00		3.2'	" " " "
82+50		3.2'	" " " "
83+00	LT.	3.3'	" " " "
77+50	RT.	3.4'	" " " "
78+00		3.4'	" " " "
79+00		5.2'	" " " "
79+50		4.7'	" " " "
80+00		4.2'	" " " "
80+50		3.8'	" " " "
81+00		3.1'	" " " "
82+00	RT.	2.5'	GRADE TO DRAIN

NOTE: FOR OTHER LOCATIONS WHERE DITCH DEPTH VARIES FROM TYPICALS SEE SLOPE EXCEPTION TABLE REMARKS THIS SHEET.

FRENCH DRAIN TYPICAL SECTION

(STA. 100+50 TO STA. 101+50)

NOTE: FOR FRENCH DRAIN QUANTITIES SUMMARY SEE SHEET NO. 23



DRIVEWAY TYPICAL SECTION

*NOTE: FOR GRADED, NON-PAVED PART OF DRIVEWAY APPROACHES SUBSTITUTE 6" CRUSHED AGGREGATE BASE COURSE SEE GENERAL NOTE 4.

LEGEND

- ① EXISTING GROUND
- ② 2" ASPHALT CONCRETE, TYPE II, CLASS "B" WITH MC-250 LIQUID ASPHALT FOR PRIME COAT
- ③ 6" CRUSHED AGGREGATE BASE COURSE
- ④ 12" SUBBASE GRADING "E"
- ⑤ BORROW, TYPE "B" OR USEABLE EXCAVATION MEETING REQUIREMENTS OF BORROW, TYPE "B"
- ⑥ UNCLASSIFIED EXCAVATION
- ⑦ GEOTEXTILE SEPARATION FABRIC
- ⑧ CLASS I RIPRAP
- ⑨ 4" DEEP ROADWAY SCARIFICATION
- ⑩ 2' MIN. DRAIN ROCK
- ⑪ WASTE EXCAVATION
- ⑫ GEOTEXTILE RIPRAP LINER
- ⑬ LIMITS OF EXCAVATION

PATH: P:\LIB\DR\ -EXCEPT < PLO1F.PCP(1) OR PLO1H.PCP(2) >
BY: _____ DATE: _____ DESCRIPTION OF CHANGE: _____
RECORD OF REVISIONS

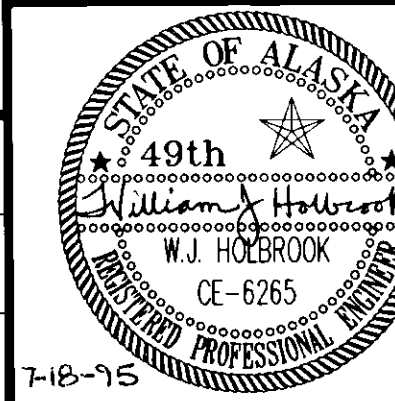
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

HAINES

SMALL TRACTS ROAD
 REHABILITATION & PAVING
 STP-0003(25) ~ 71400
SLOPE AND DITCH EXCEPTIONS

ALASKA

DESIGNED BY: B. HOLBROOK	PROJECT NO. 71400
DRAWN BY: K. KLEMMETSON	DATE: 1995
CHECKED BY: C. MORROW	SHEET 3 OF 30



ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY	REMARKS
120(1)	DBE ADJUSTMENT	C.S.	ALL REQ'D.	
201(1B)	CLEARING	L.S.	ALL REQ'D.	APPROX. QUANTITY = 5.3 ACRE
201(3B)	CLEARING AND GRUBBING	L.S.	ALL REQ'D.	APPROX. QUANTITY = 1.4 ACRE
202(1)	REMOVAL OF STRUCTURES & OBSTRUCTIONS	L.S.	ALL REQ'D.	
203(3)	UNCLASSIFIED EXCAVATION	C.Y.	13,580	13,335
203(6)	BORROW TYPE "B"	TON	2,000	3,138
203(11)	DRAIN ROCK	C.Y.	660	361.4
301(1)	* CRUSHED AGGREGATE BASE COURSE	TON	12,960	13,343.0
304(1)	SUBBASE, GRADING "E"	TON	24,675	29,194
401(1)	ASPHALT CONCRETE, TYPE II, CLASS "B"	TON	4,085	4,090.4
401(2)	PBA-2 ASPHALT CEMENT	TON	245.1	224.97
403(3)	MC-250 LIQUID ASPHALT FOR PRIME COAT	TON	27.1	18.23
403(3a)	PRIME COAT RETURN C.O.	L.S.	ALL REQ'D.	
501(6)	CLASS W CONCRETE	C.Y.	39.2	37.54
603(9-36)	36 INCH CORRUGATED ALUMINUM PIPE	L.F.	220	
603(9-60)	60 INCH CORRUGATED ALUMINUM PIPE	L.F.	46	
603(22-12)	12 INCH CORRUGATED POLYETHYLENE PIPE	L.F.	476	559.5
603(22-18)	18 INCH CORRUGATED POLYETHYLENE PIPE	L.F.	1942	2,052.0
603(22-24)	24 INCH CORRUGATED POLYETHYLENE PIPE	L.F.	456	484
606(1)	W-BEAM GUARDRAIL	L.F.	250	
606(5)	REMOVAL & DISPOSAL OF GUARDRAIL	L.F.	250	
606(6)	END ANCHORAGES	EACH	3	2
611(1A)	RIPRAP, CLASS I	C.Y.	550	901.9
611(1B)	RIPRAP, CLASS II	C.Y.	75	38.7
614(1)	SURVEY MONUMENTS	EACH	10	
614(2)	MONUMENT CASES	EACH	8	
615(1)	STANDARD SIGNS	SQ. FT.	157	187
615(8)	REMOVAL & DISPOSAL OF EXISTING SIGNS	EACH	8	10
618(1)	SEEDING	ACRE	6	5.924
626(2)	ADJUSTMENT OF SEWER MANHOLE	EACH	1	
627(10)	ADJUSTMENT OF VALVE BOX	EACH	5	4
630(1)	GEOTEXTILE, SEPARATION	S.Y.	31,200	36,547
631(2)	GEOTEXTILE, RIPRAP LINER	S.Y.	1,630	1,299
633(1)	GEOTEXTILE, SEDIMENT CONTROL	L.F.	400	67
639(1)	RESIDENCE DRIVEWAYS	EACH	75	76
640(1)	MOBILIZATION & DEMOBILIZATION	L.S.	ALL REQ'D.	
641(1)	TEMP. EROSION & POLLUTION CNTRL. ADMIN.	L.S.	ALL REQ'D.	
641(2)	TEMP. EROSION & POLLUTION CONTROL	L.S.	ALL REQ'D.	
641(3)	TEMP. EROSION & POLLUTION CNTRL. - MANPOWER	MAN-HR.	100	98.5
641(4)	STRAW BALES	EACH	68	47
642(1)	CONSTRUCTION SURVEYING	L.S.	ALL REQ'D.	
642(2)	THREE PERSON SURVEY PARTY	HOUR	20	0
643(3)	PERMANENT CONSTRUCTION SIGNING	L.S.	ALL REQ'D.	
643(4)	CONSTRUCTION SIGN	EA.PER DAY	800	577
643(6)	TYPE III BARRICADE	EA.PER DAY	100	24
643(7)	TRAFFIC CONE	EA.PER DAY	3,000	2,147
643(8)	DRUM	EA.PER DAY	800	359
643(13)	TEMPORARY PAVEMENT MARKINGS	STATION	88	89
643(15)	FLAGGING	HOUR	2,000	1,573
643(18)	WATERING	M-GAL	100	72
670(1)	PAINTED TRAFFIC MARKINGS	L.S.	ALL REQ'D.	
	* INCLUDES AN ADDITIONAL INCH OF MATERIAL TO REESTABLISH PLAN THICKNESS AFTER WINTER SHUTDOWN.			

BASIS OF ESTIMATE

ITEM NO.	ITEM	QUANTITY
203 (6)	BORROW, TYPE "B"	1.90 TON/C.Y.
301(1)	CRUSHED AGGREGATE BASE COURSE	1.95 TON/C.Y.
304(1)	SUBBASE, GRADING "E"	1.90 TON/C.Y.
401(1)	ASPHALT CONCRETE, TYPE II, CLASS B	123 LBS. PER SQ.YD. PER INCH DEPTH
401(2)	PBA-2 ASPHALT CEMENT	6% OF ITEM 401
402(2)	STE-1 ASPHALT FOR TACK COAT	0.10 GAL/S.Y. 253 GAL/TON
403(3)	MC-250 LIQUID ASPHALT FOR PRIME COAT	0.25 GAL/S.Y. 253 GAL/TON

NOTE: DO NOT SCALE FROM THESE PLANS--USE DIMENSIONS

PATH:	DATE:	DESCRIPTION OF CHANGE:
P:\HNS\71400\DR\ -E51 < PLOT.PCP(1) OR PLOT.PCP(2) >		
BY:		

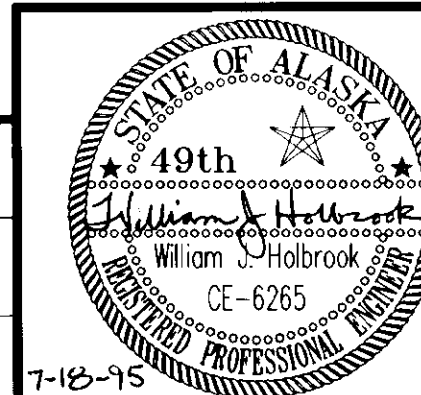
STATE OF ALASKA
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 SOUTHEAST REGION DESIGN & CONSTRUCTION

HAINES

SMALL TRACTS ROAD
 REHABILITATION & PAVING
 STP-0003(25) ~ 71400
ESTIMATE OF QUANTITIES

ALASKA

DESIGNED BY: W.J. HOLBROOK	PROJECT NO. 71400
DRAWN BY: K. KLEMMETSON	DATE: 1995
CHECKED BY: C.N. MORROW	SHEET 4 OF 30

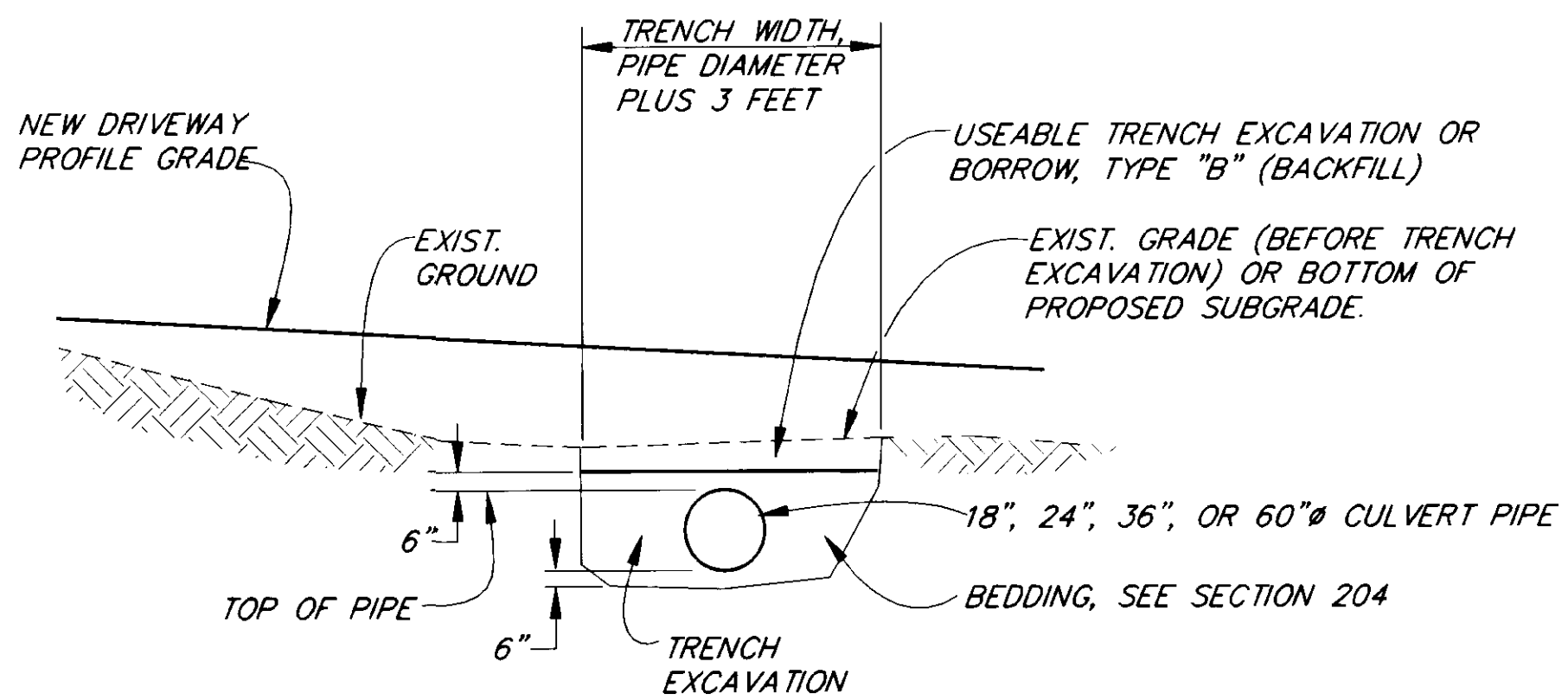


7-10-95

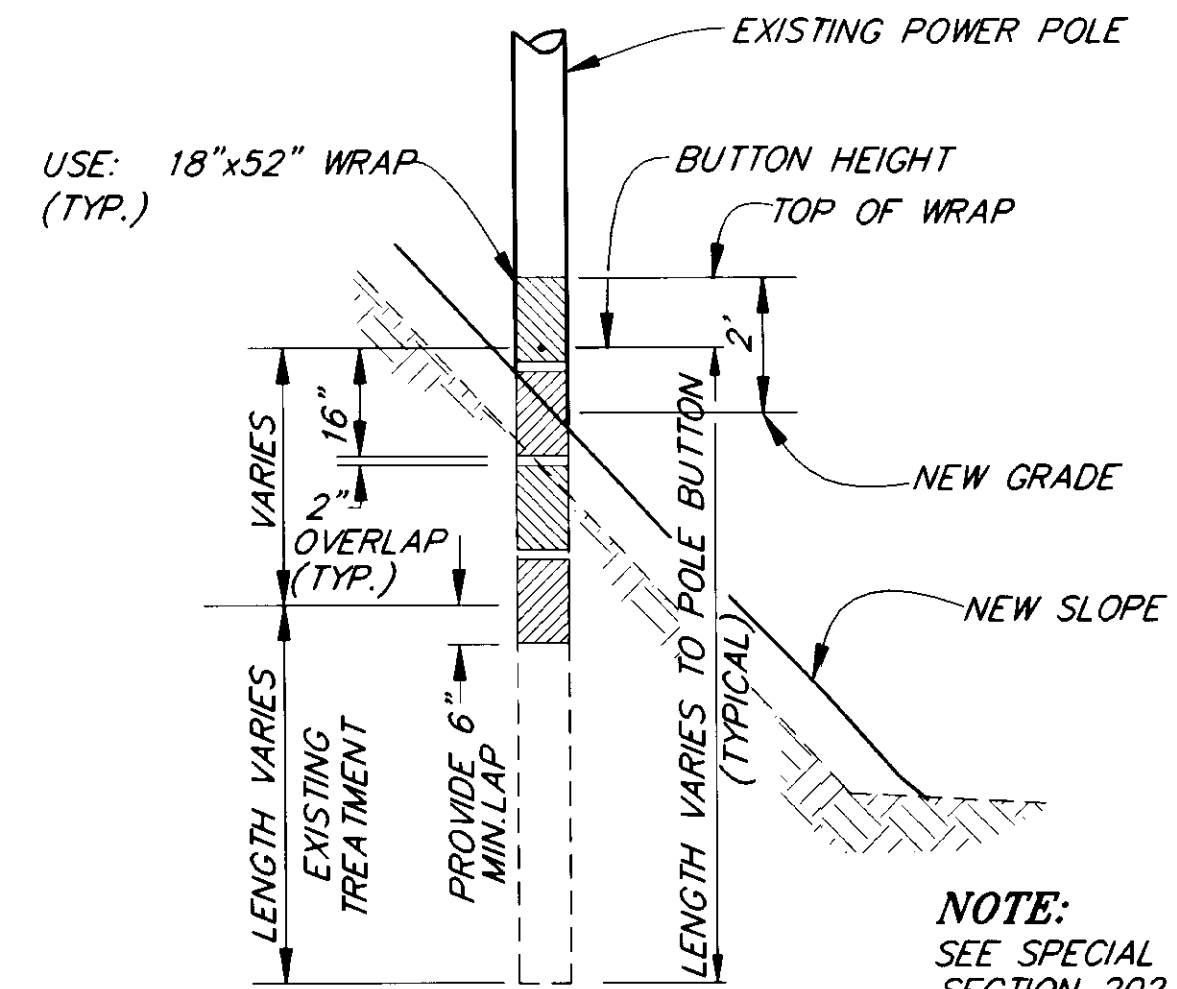
CULVERT SUMMARY									
PIPE NO.	STATION	OFFSET		12"	18"	24"	36"	60"	REMARKS
		LT.	RT.						
(P-1)	14+75		X		38'				
(P-2)	15+40	X		40'					
(P-3)	16+70		X	36'					
(P-4)	16+80	X		40'41'					
(P-5)	17+40	X		36'36.5					
(P-6)	17+40		X	34'33.5					
(P-7)	18+05		X	36'					
(P-8)	18+85		X	34'					
(P-9)	18+90	X		34'33.5					
(P-10)	19+90	X		34'					
(P-11)	21+10	X			34'				
(P-12)	21+55		X		34'				
(P-13)	21+80	X			44'				
(P-14)	22+75		X		44'47'				
(P-15)	23+60	X			34'34.5				
(P-16)	26+00	X	X			64'			
(P-17)	27+95.77	X			34'33.5				
(P-18)	29+20	X			34'35				
(P-19)	30+95	X			50'60.5				
(P-20)	32+25	X			34'46.5				
(P-21)	34+80	X			48'44				
(P-22)	36+15		X		52'50				
(P-23)	38+65	X			34'35.5				
(P-24)	39+50		X		40'41				
(P-25)	41+35	X			50'51				
(P-26)	43+40		X		50'50.5				
(P-27)	43+75	X				34'			
(P-28)	44+35		X		40'41				
(P-29)	44+65	X				44'			
(P-30)	45+10		X		34'51.5				
(P-31)	46+35		X		40'41				
(P-32)	47+65	X				44'51.5			
(P-33)	47+80		X		40'41				
(P-34)	49+10	X				34'61.5			
(P-35)	49+85		X		34'				
(P-36)	50+55		X		50'50.5				
(P-37)	51+57		X		34'33.5				
(P-38)	52+55		X		44'48.5				
(P-39)	53+40	X	X				220'	TWIN PIPES	
(P-40)	53+79		X		34'				
(P-41)	54+60		X		40'41.5				
(P-42)	56+03		X		50'65				
(P-43)	56+67		X		40'61				
(P-44)	58+10	X				40'41.5			
(P-45)	58+10		X		32'31.5				
(P-46)	59+85	X				40'42			
(P-47)	60+75		X		30'				
(P-48)	60+95	X				40'41.5			
(P-49)	62+00		X		30'31				
(P-50)	63+25		X		30'				
(P-51)	63+80	X			35'				
(P-52)	64+70		X		30'31				
(P-53)	65+40	X			345'				
(P-54)	66+25	X			36'				
(P-55)	67+80	X			34'33.5				
(P-56)	69+00		X		34'40				
(P-57)	70+60		X		34'35				
(P-58)	71+65		X		34'				
(P-59)	71+80	X			34'				
(P-76)	24+30	X			10'				

CULVERT SUMMARY									
PIPE NO.	STATION	OFFSET		12"	18"	24"	36"	60"	REMARKS
		LT.	RT.						
(P-60)	73+00	X	X					46'	⊗
(P-61)	73+55	X				54'42'			
(P-62)	73+85		X		70'68'				
(P-63)	74+45		X		40'41'				
(P-64)	76+40		X		40'41.5				
(P-65)	79+00	X	X			62'			
(P-77)	36+70	X			10'				
(P-66)	82+00		X		34'				
(P-67)	84+15	X			50'				
(P-68)	84+35		X		34'40'				
(P-69)	84+80		X		38'43'				
(P-70)	87+20		X		44'40.5				
(P-71)	88+50		X		44'41				
(P-72)	89+2588+90	X			50'40.5				
(P-73)	96+10	X			40'41				
(P-74)	100+10		X	46.5	50'				
TOTALS=				476'	1942'	456'	220'	46'	

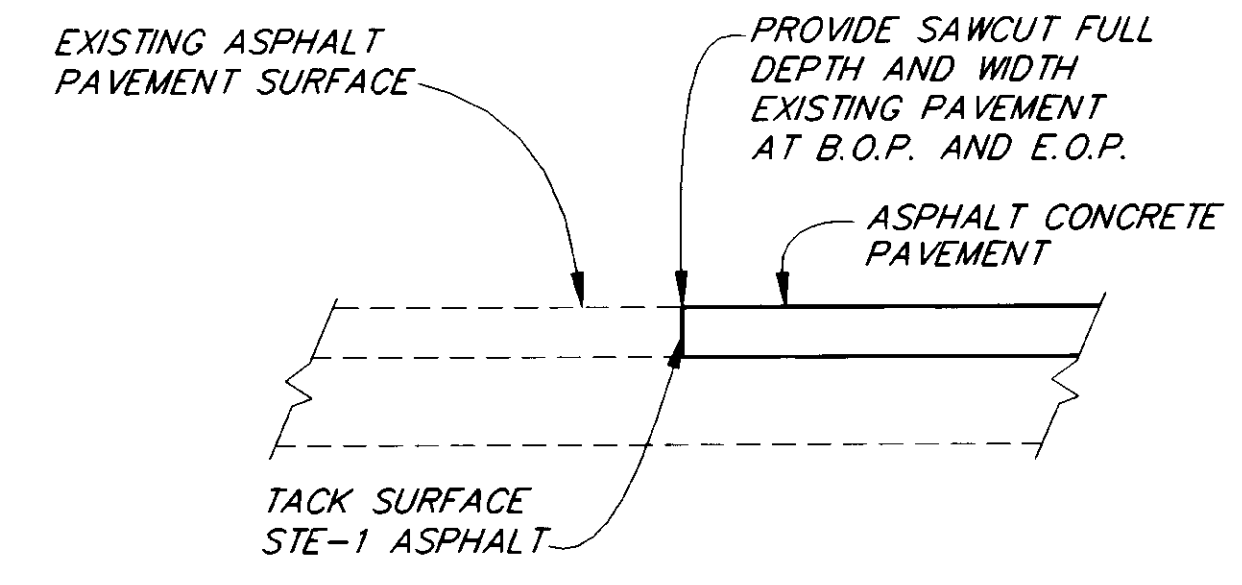
⊗ INDICATES FISH STREAM. IN STREAM WORK IS RESTRICTED. SEE SECTION 107-1.11 AND SHEET 24.



DRIVEWAY AND ROADWAY CULVERT PIPE CONSTRUCTION DETAILS



UTILITY POLE PROTECTION WRAP DETAIL



PAVEMENT JOINT DETAIL

⊗ "0" STA. 13+50 & "0" STA. 103+00

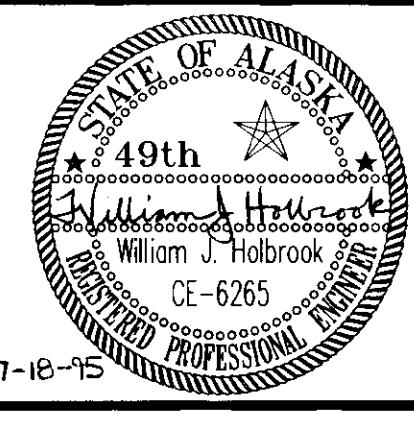
CULVERT REMOVAL SUMMARY			
"0" STATION	OFFSET	LENGTH	REMARKS
14+75	RT	32'	
15+40	LT	40'	
16+70	RT	40'	
17+40	LT	29'	
17+40	RT	29'	
18~	RT	27'	
18+90	LT	20'	
19+95	LT	24'	
21+10	LT	20'	
21+55	RT	20'	
21+95	LT	40'	
22+85	RT	30'	
23+50	LT	25'	
26+05	LT	30'	
27+95	LT	20'	
29+20	LT	22'	
31~	LT	40'	
32+25	LT	20'	
34+85	LT	40'	
36+15	RT	25'	
38+65	LT	21'	
39+50	RT	25'	
41+35	LT	40'	
43+35	RT	44'	
43+75	LT	30'	
44+35	RT	28'	
44+65	LT	30'	
45+10	RT	25'	
46+35	RT	27'	
47+65	LT	35'	
47+80	RT	28'	
49+10	LT	23'	
49+85	RT	25'	
50+55	RT	35'	
51+60	RT	27'	
52+55	RT	27'	
53+40	LT/RT	52'	
53+80	RT	20'	
54+50	RT	29'	
58+05	LT	20'	
59+85	LT	28'	
60+75	RT	20'	
60+95	LT	30'	
62~	RT	25'	
63+80	LT	25'	
65+40	LT	30'	
66+20	LT	32'	
67+85	LT	20'	
69+05	RT	22'	
70+60	RT	22'	
71+65	RT	22'	
73~	LT/RT	36'	⊗
73+55	LT	35'	
76+35	RT	30'	
80+95	LT/RT	40'	
81+95	RT	20'	
84+35	RT	25'	
84+80	RT	30'	
87+20	RT	40'	
88+55	RT	36'	
96+10	LT	30'	
TOTAL		1,762'	

PATH: P:\HNS\71400\DR\SUM1 < PLOT.PCP(1) OR PLOT.PCP(2) >	STATE OF ALASKA	HAINES	SMALL TRACTS ROAD REHABILITATION & PAVING	ALASKA	DESIGNED BY: W.J. HOLBROOK	PROJECT NO. 71400
BY: _____	DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES		STP-0003(25) ~ 71400		DRAWN BY: B. ADAMS	DATE: 1995
DATE: _____	SOUTHEAST REGION DESIGN & CONSTRUCTION		SUMMARY OF QUANTITIES		CHECKED BY: C.N. MORROW	SHEET 5 OF 30
DESCRIPTION OF CHANGE: _____						

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

HAINES
SMALL TRACTS ROAD REHABILITATION & PAVING
STP-0003(25) ~ 71400
ALASKA
SUMMARY OF QUANTITIES

DESIGNED BY: W.J. HOLBROOK
DRAWN BY: B. ADAMS
CHECKED BY: C.N. MORROW
PROJECT NO. 71400
DATE: 1995
SHEET 5 OF 30



BASIS OF CONTROL

HORIZONTAL CONTROL:

THE BASIS OF HORIZONTAL CONTROL FOR THIS PROJECT IS THE BEARING OF S 13°03'17" E FROM THE BRASS CAP MONUMENT ST-1 AT THE INTERSECTION OF TOWER RD. & SMALL TRACTS ROAD TO THE ALUMINUM CAP ST-2 AT "O" STATION 17+02.54; 20.56' LT.

VERTICAL CONTROL:

THE BASIS OF VERTICAL CONTROL IS THE CENTERLINE BRASS CAP MONUMENT ST-1 AT THE INTERSECTION OF TOWER RD. & SMALL TRACTS RD. WITH AN ELEVATION OF 198.66' ABOVE MLLW.

QUANTITIES SUMMARY

DESCRIPTION	QUANTITY (CUBIC YARDS)
UNCLASSIFIED EXCAVATION	760
EMBANKMENT	135

KEY

(X) DENOTES SIGN LOCATION SEE SUMMARY SHEET 22

----- DENOTES BOTTOM OF EXISTING DITCH

INTERSECTION "ST1"
"O" STA. 11+07.32
N 10,063.877
E 19,961.790

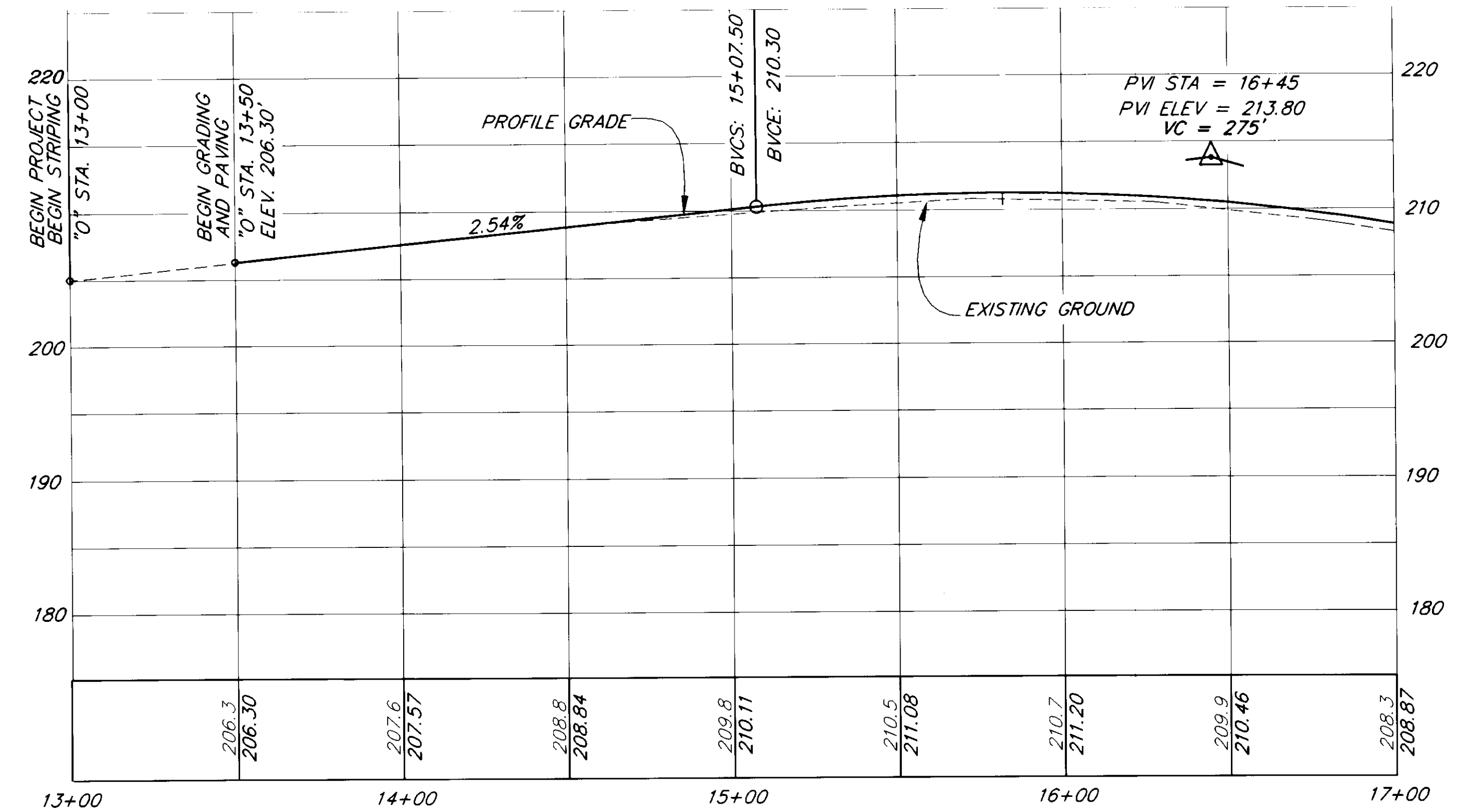
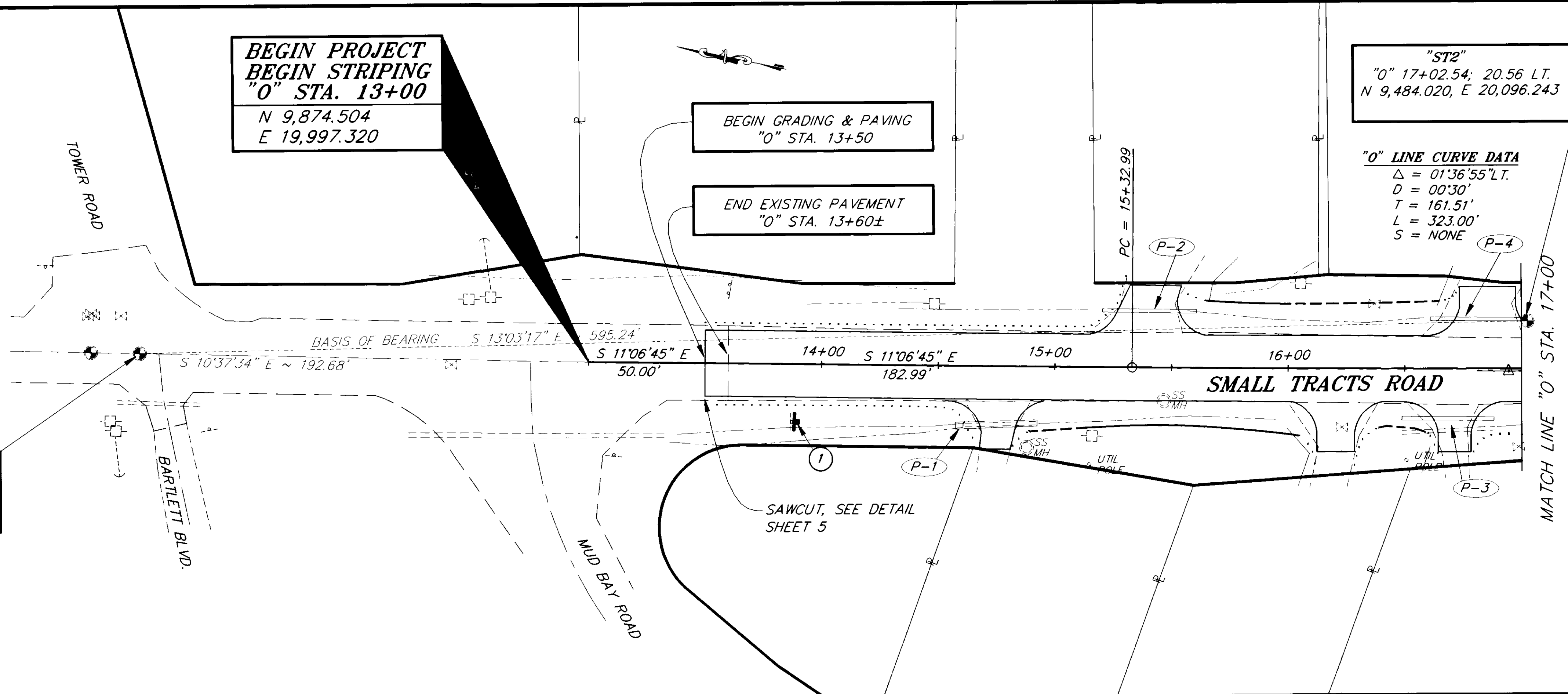
BEGIN PROJECT
BEGIN STRIPING
"O" STA. 13+00
N 9,874.504
E 19,997.320

BEGIN GRADING & PAVING
"O" STA. 13+50

END EXISTING PAVEMENT
"O" STA. 13+60±

"ST2"
"O" 17+02.54; 20.56 LT.
N 9,484.020, E 20,096.243

"O" LINE CURVE DATA
Δ = 01°36'55" LT.
D = 00°30'
T = 161.51'
L = 323.00'
S = NONE



NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

DTWST = 78'

PATH:	P:\HNS\71400\DR\ -P1300 PLOT.PCP(30) OR PLOT.H.PCP(60)	
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

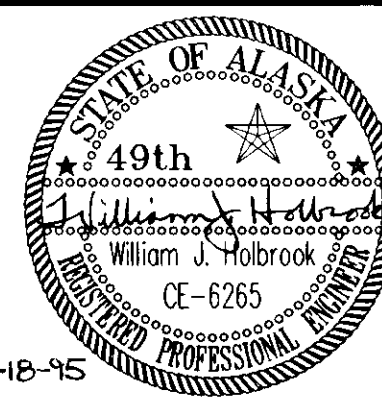
HAINES

SMALL TRACTS ROAD
REHABILITATION & PAVING
STP-0003(25) ~ 71400

ALASKA

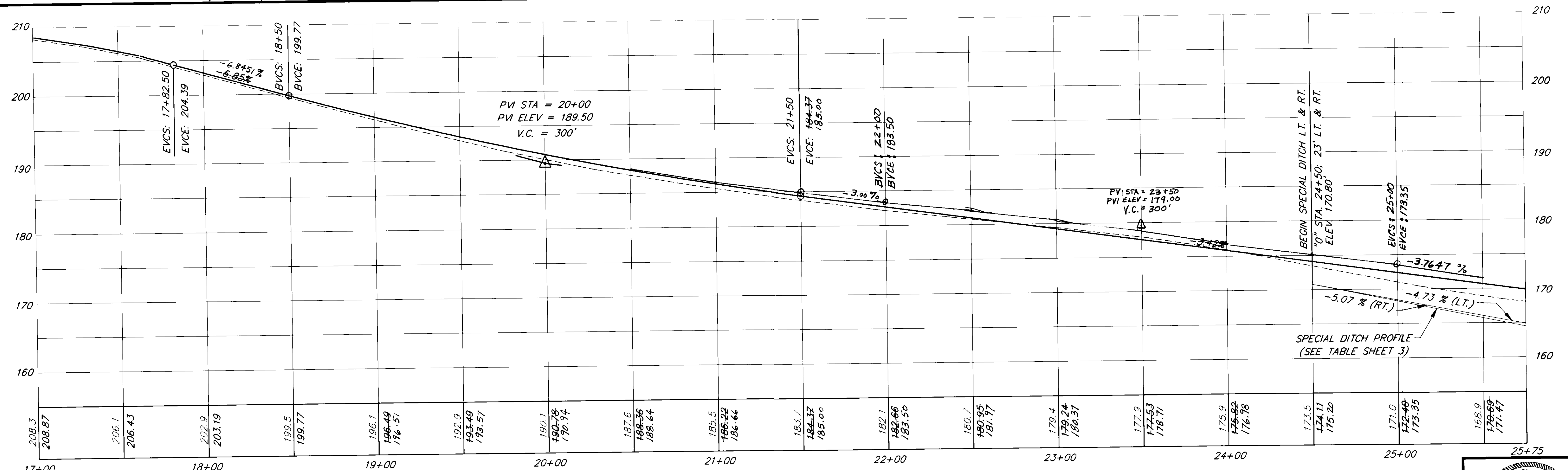
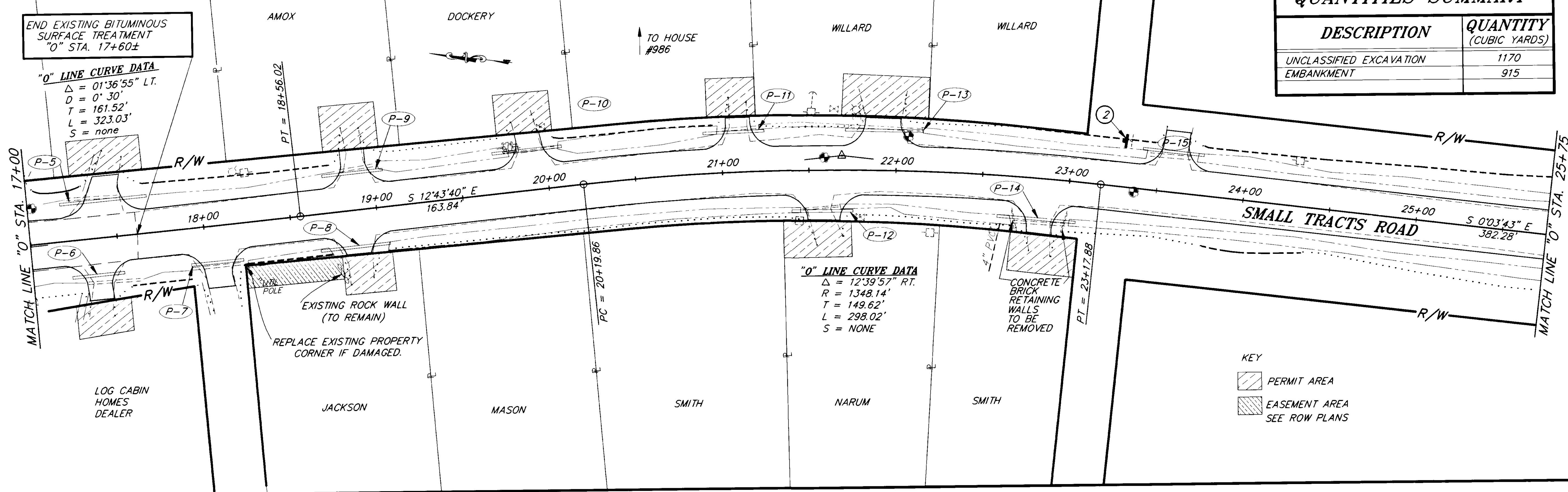
DESIGNED BY:
W.J. HOLBROOK
DRAWN BY:
K. SNYDER
CHECKED BY:
C.N. MORROW

PROJECT NO.
71400
DATE:
1995
SHEET 7 OF 30



B.O.P. "O" STA. 13+00 TO "O" STA. 17+00

QUANTITIES SUMMARY	
DESCRIPTION	QUANTITY (CUBIC YARDS)
UNCLASSIFIED EXCAVATION	1170
EMBANKMENT	915



DTWST = 83'

PATH: P:\HNS\71400\DR\ -P1700 PLOT.PCP(30) OR PLOT.PCP(60)

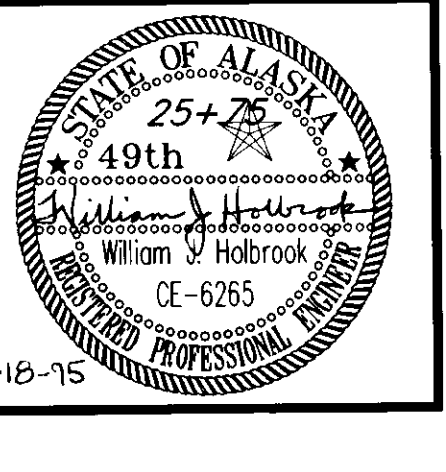
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

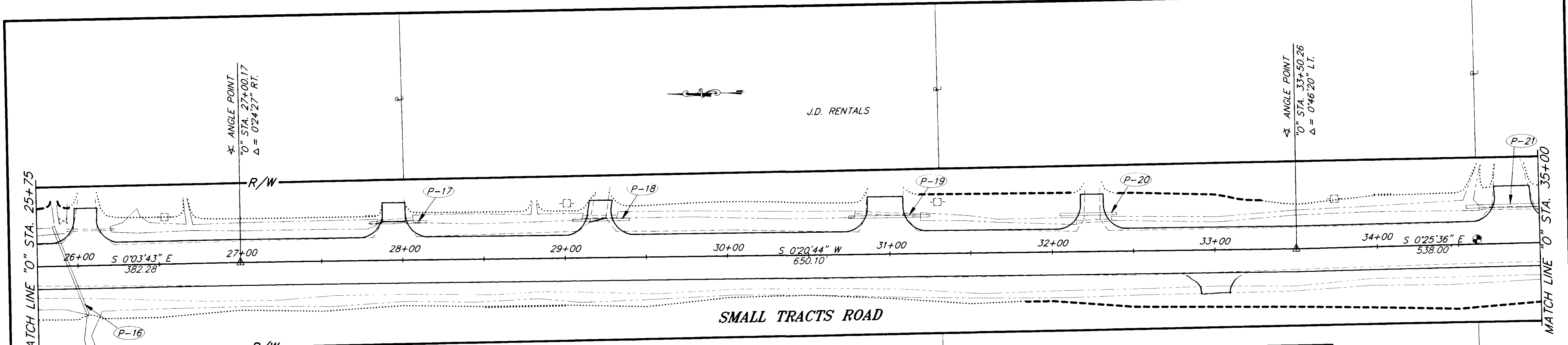
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

HAINES
 SMALL TRACTS ROAD
 REHABILITATION & PAVING
 STP-0003(25) ~ 71400
 ALASKA
 "O" STA. 17+00 TO "O" STA. 25+75

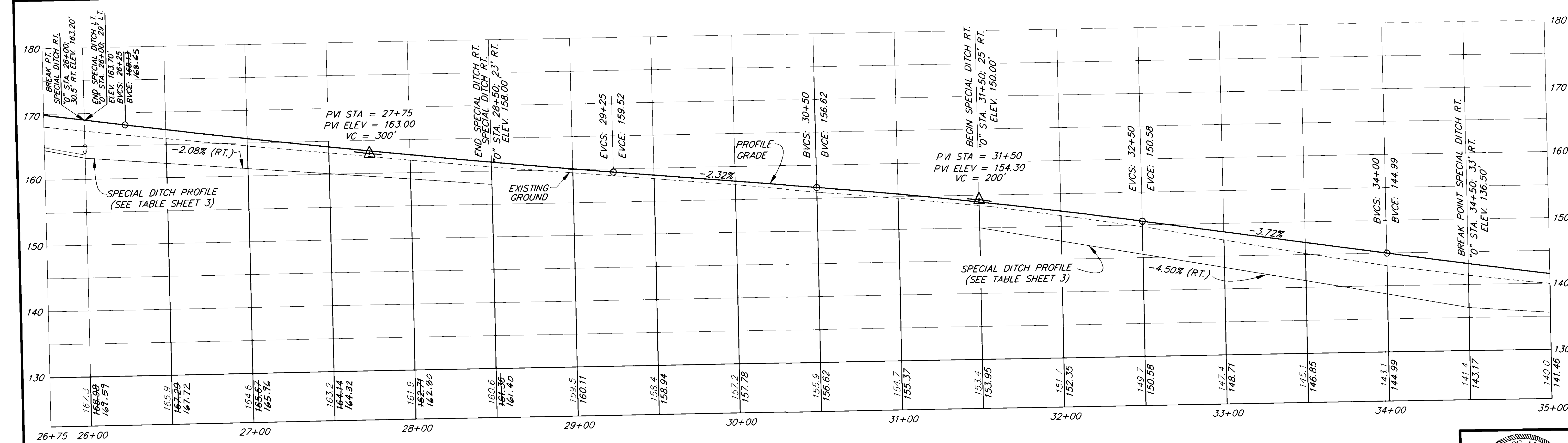
DESIGNED BY: W.J. HOLBROOK	PROJECT NO. 71400
DRAWN BY: K. SNYDER	DATE: 1995
CHECKED BY: C.N. MORROW	SHEET 8 OF 30



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS



QUANTITIES SUMMARY	
DESCRIPTION	QUANTITY (CUBIC YARD)
UNCLASSIFIED EXCAVATION	990
EMBANKMENT	1,410



NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

DTWIST = 90°

PATH: P:\HNS\71400\DR\ -P2575 PLOTH.PCP(30) OR PLOTH.PCP(60)

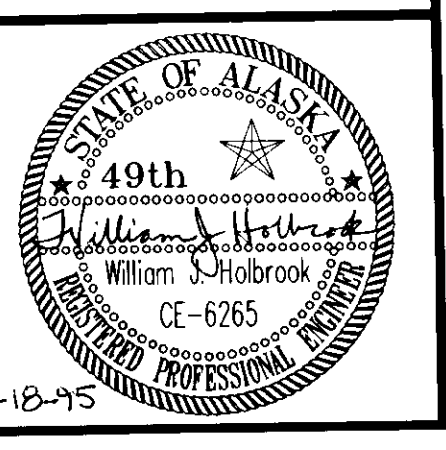
BY:	DATE:	DESCRIPTION OF CHANGE:

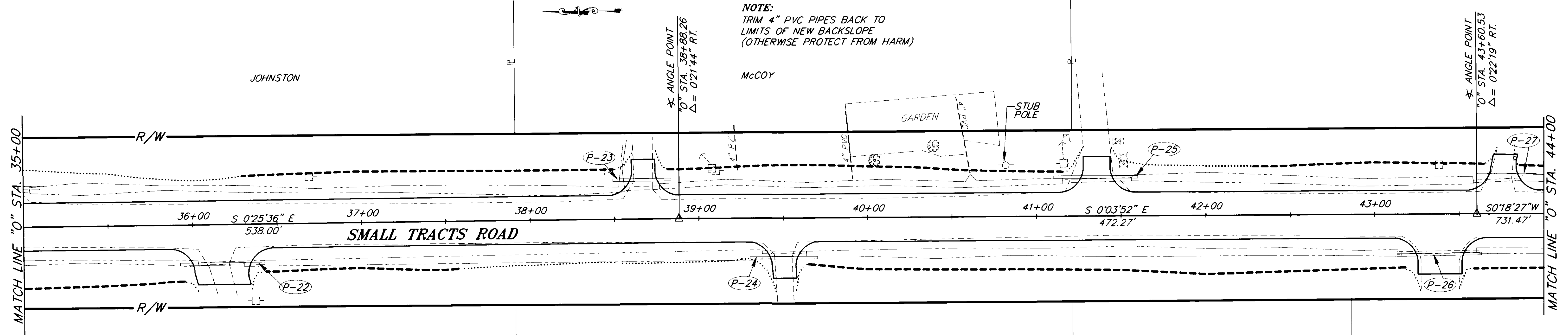
RECORD OF REVISIONS

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

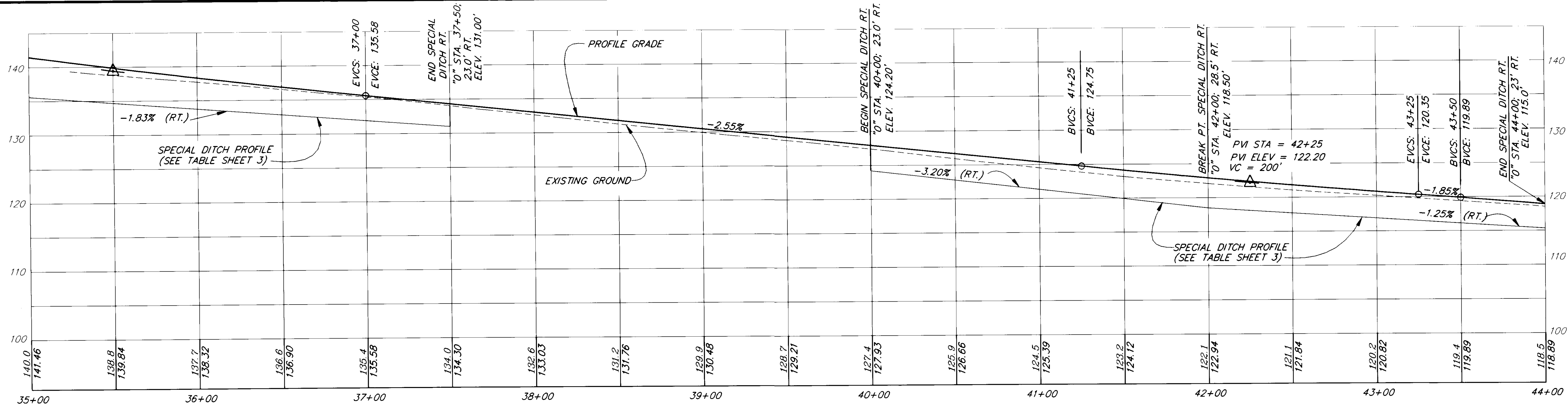
HAINES
 SMALL TRACTS ROAD
 REHABILITATION & PAVING
 STP-0003(25) ~ 71400
 "0" STA. 25+75 TO "0" STA. 35+00

DESIGNED BY: W.J. HOLBROOK	PROJECT NO. 71400
DRAWN BY: K. SNYDER	DATE: 1995
CHECKED BY: C.N. MORROW	SHEET 9 OF 30





QUANTITIES SUMMARY	
DESCRIPTION	QUANTITY (CUBIC YARD)
UNCLASSIFIED EXCAVATION	1325
EMBANKMENT	1150



DTWIST = 90°

BY:	DATE:	DESCRIPTION OF CHANGE:

PATH: P:\HNS\71400\DR\ -P3500 PLOT.F.PCP(30) OR PLOT.H.PCP(60)

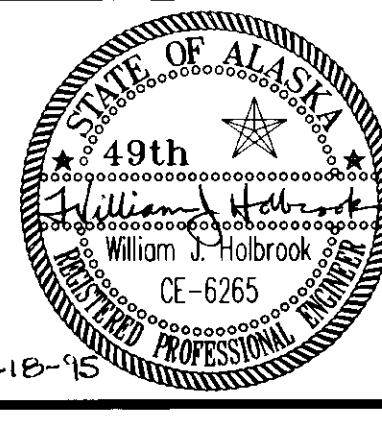
RECORD OF REVISIONS

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

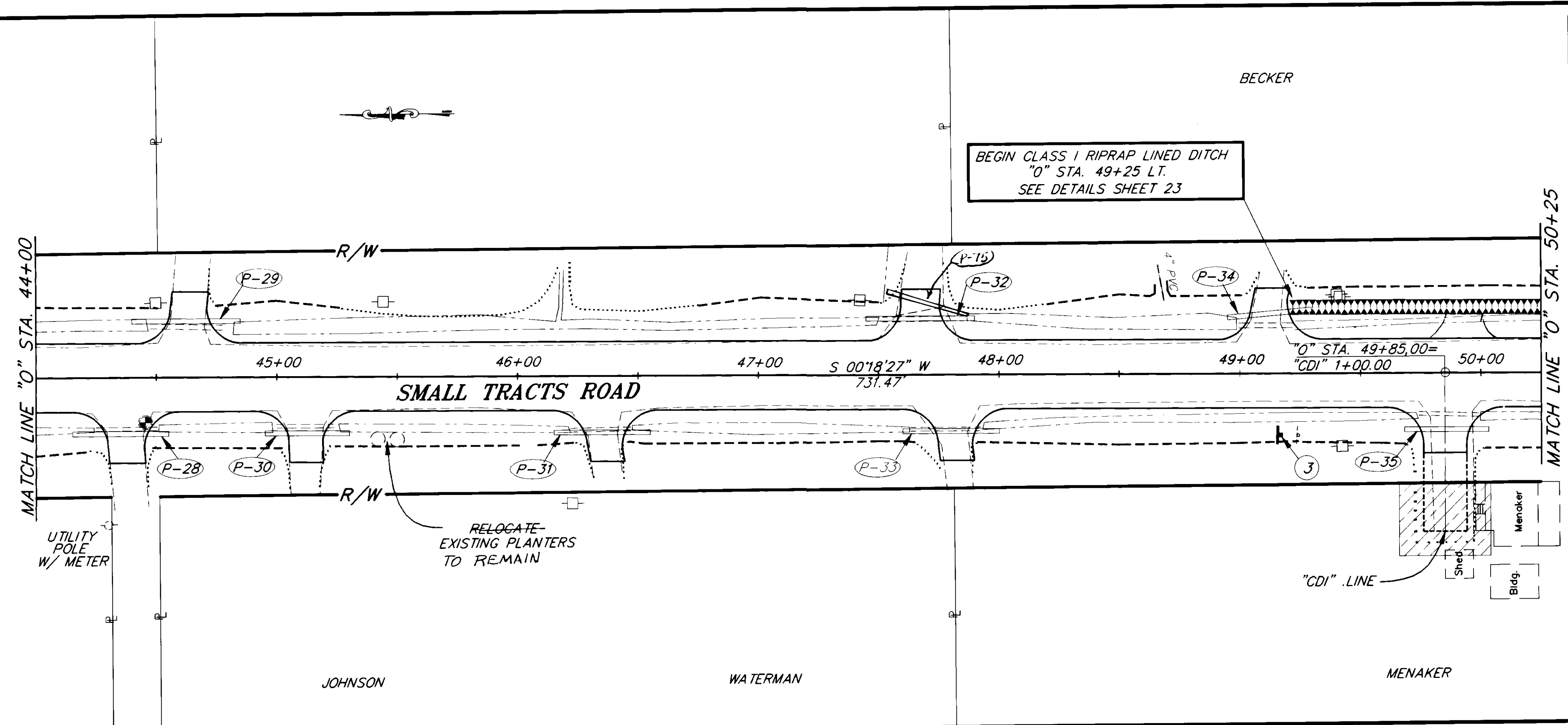
HAINES
 SMALL TRACTS ROAD
 REHABILITATION & PAVING
 STP-0003(25) ~ 71400
 "0" STA. 35+00 TO "0" STA. 44+00

ALASKA
 DESIGNED BY: W.J. HOLBROOK
 DRAWN BY: K. SNYDER
 CHECKED BY: C.N. MORROW
 PROJECT NO. 71400
 DATE: 1995
 SHEET 10 OF 30

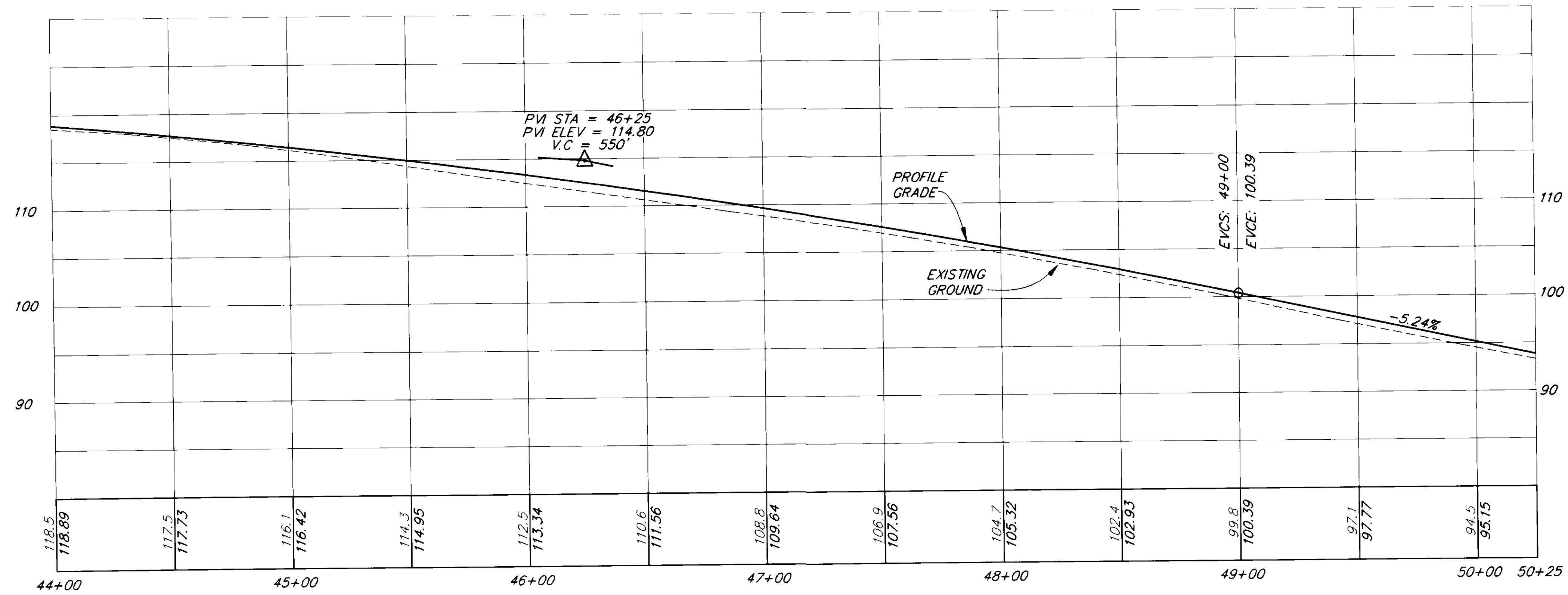
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS



QUANTITIES SUMMARY	
DESCRIPTION	QUANTITY (CUBIC YARD)
UNCLASSIFIED EXCAVATION	990
EMBANKMENT	860



NOTE:
FOR DRIVEWAY PLAN AND PROFILE
SEE SHEET 19.



NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

DTWIST = 90°

PATH: P:\HNS\71400\DR\ -P4400 PLOT.PCP(30) OR PLOT.H.PCP(60)

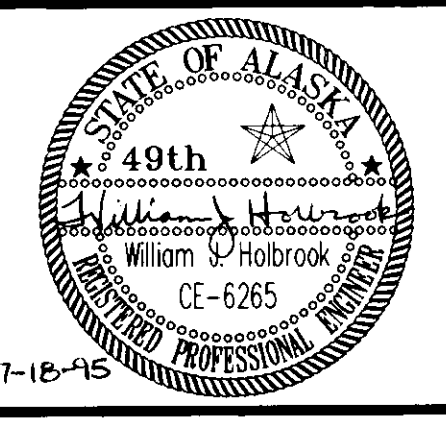
BY:	DATE:	DESCRIPTION OF CHANGE:

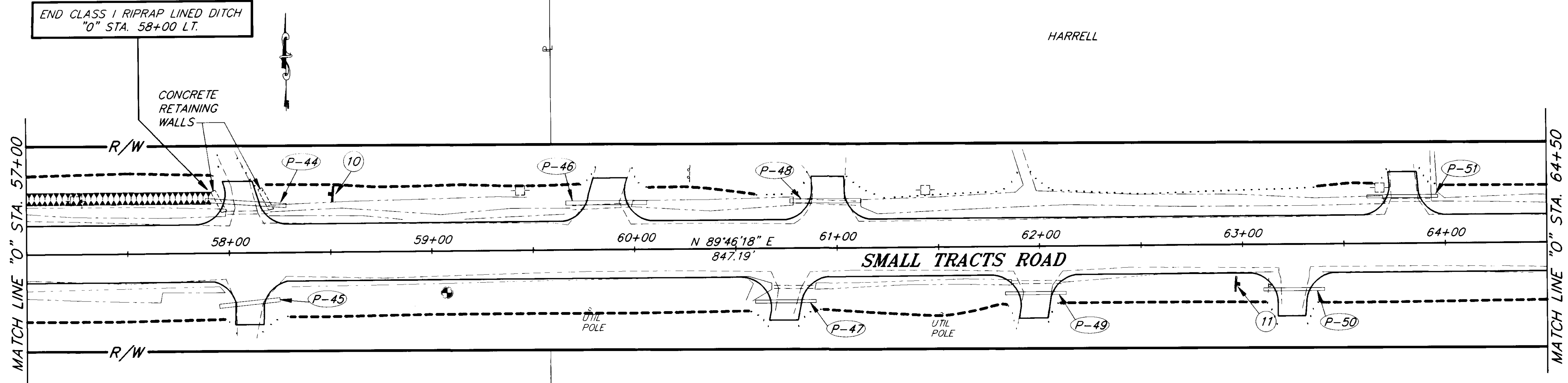
RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

HAINES
SMALL TRACTS ROAD
REHABILITATION & PAVING
STP-0003(25) ~ 71400
ALASKA
"O" STA. 44+00 TO "O" STA. 50+25

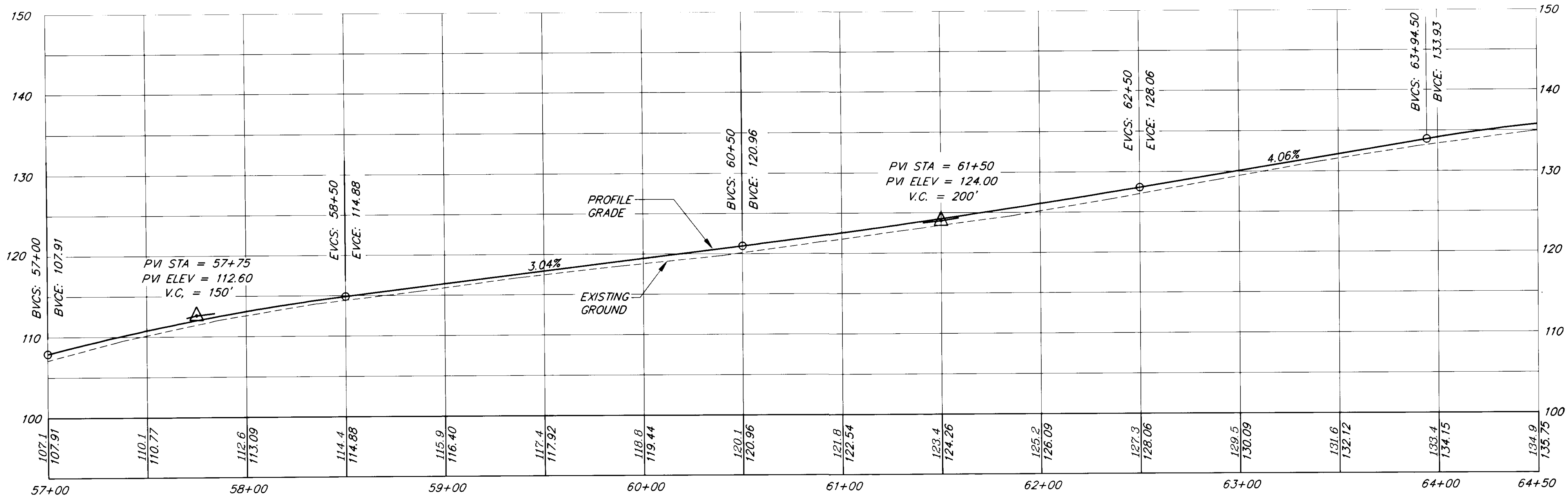
DESIGNED BY: W.J. HOLBROOK	PROJECT NO. 71400
DRAWN BY: K. SNYDER	DATE: 1995
CHECKED BY: C.N. MORROW	SHEET 11 OF 30





QUANTITIES SUMMARY

DESCRIPTION	QUANTITY (CUBIC YARD)
UNCLASSIFIED EXCAVATION	1210
EMBANKMENT	690



NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

PATH: P:\HNS\71400\DR\ -P5700 PLOT.PCP(30) OR PLOT.PCP(60)

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

HAINES

SMALL TRACTS ROAD
REHABILITATION & PAVING
STP-0003(25) ~ 71400
"O" STA. 57+00 TO "O" STA. 64+50

ALASKA

DESIGNED BY:
W.J. HOLBROOK

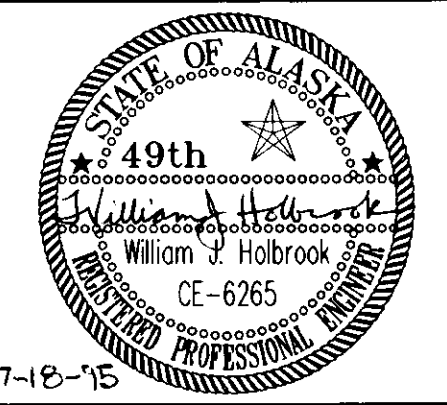
DRAWN BY:
K. SNYDER

CHECKED BY:
C.N. MORROW

PROJECT NO.
71400

DATE:
1995

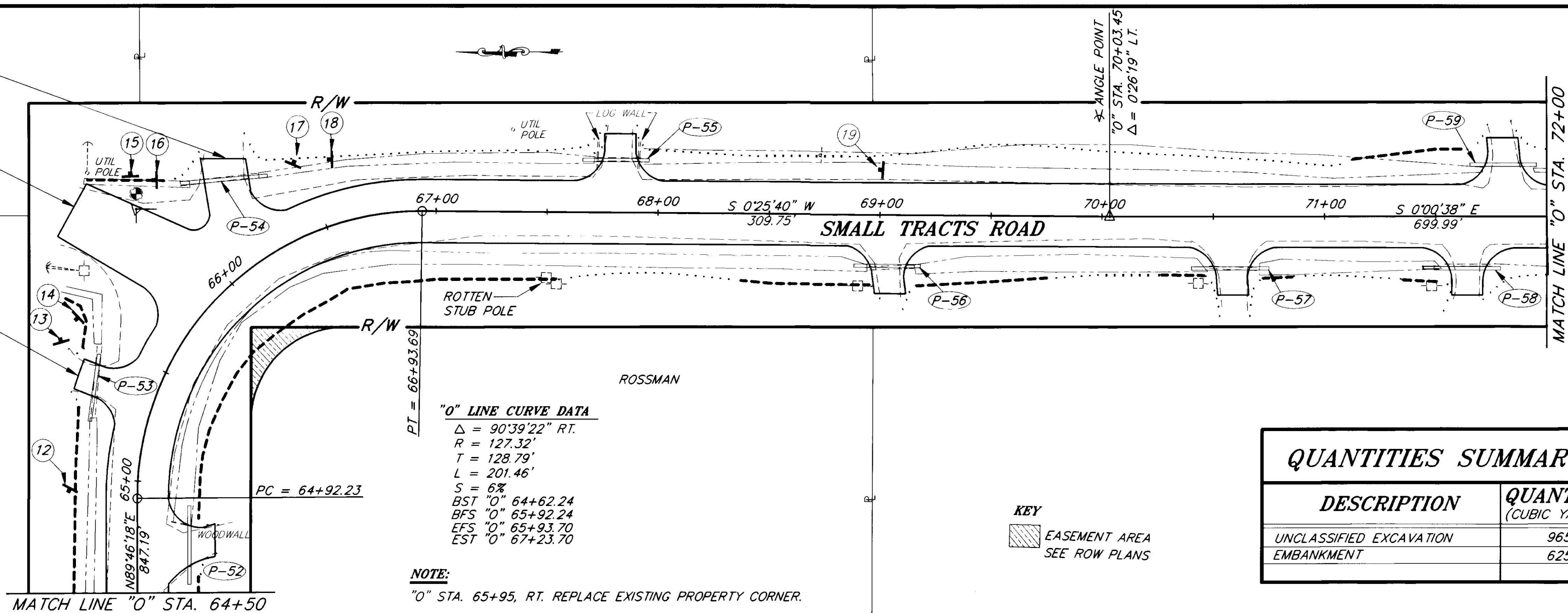
SHEET 13 OF 30



"0" 66+25, 50' LT.
END PAVING

"0" 65+80, 75' LT.
END PAVING

"0" 65+35, 35' LT.
END PAVING



"0" LINE CURVE DATA

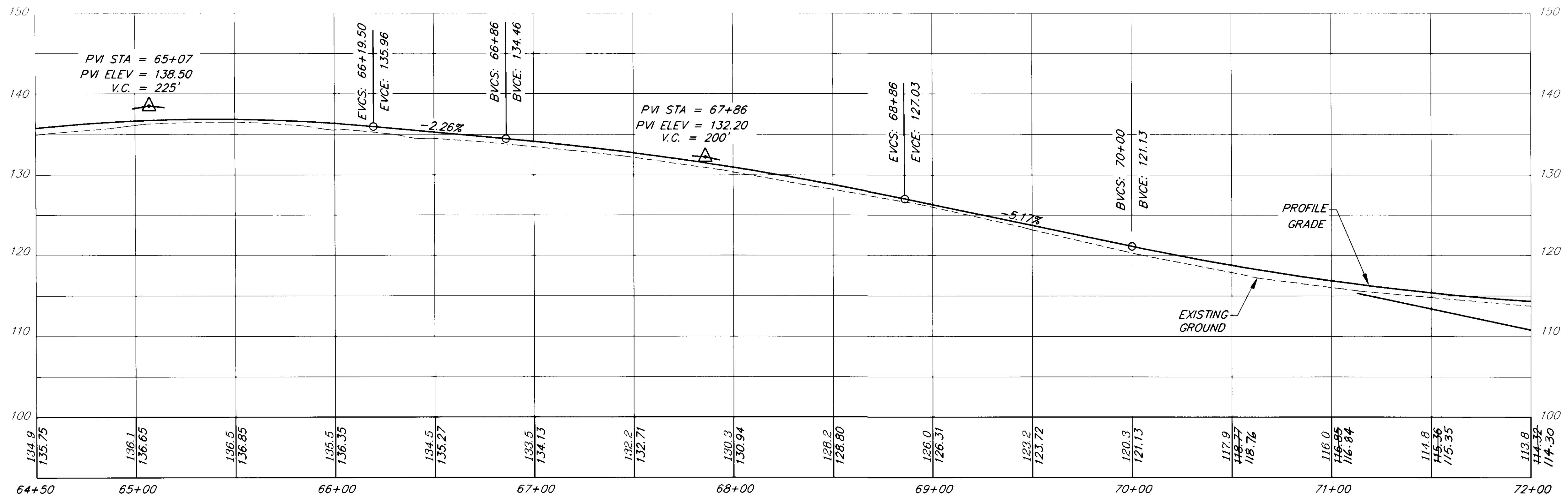
Δ = 90°39'22" RT.
R = 127.32'
T = 128.79'
L = 201.46'
S = 6%
BST "0" 64+62.24
BFS "0" 65+92.24
EFS "0" 65+93.70
EST "0" 67+23.70

NOTE:

"0" STA. 65+95, RT. REPLACE EXISTING PROPERTY CORNER.

QUANTITIES SUMMARY	
DESCRIPTION	QUANTITY (CUBIC YARDS)
UNCLASSIFIED EXCAVATION	965
EMBANKMENT	625

KEY
 EASEMENT AREA
 SEE ROW PLANS



DTWST = 90'

BY:	DATE:	DESCRIPTION OF CHANGE:
PATH: P:\HNS\71400\DR\ -P6450 PLOT.PCP(30) OR PLOTH.PCP(60)		

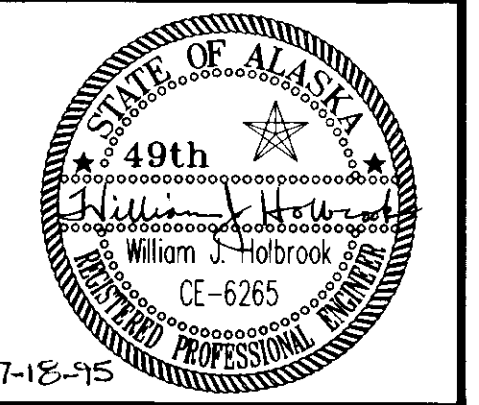
RECORD OF REVISIONS

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

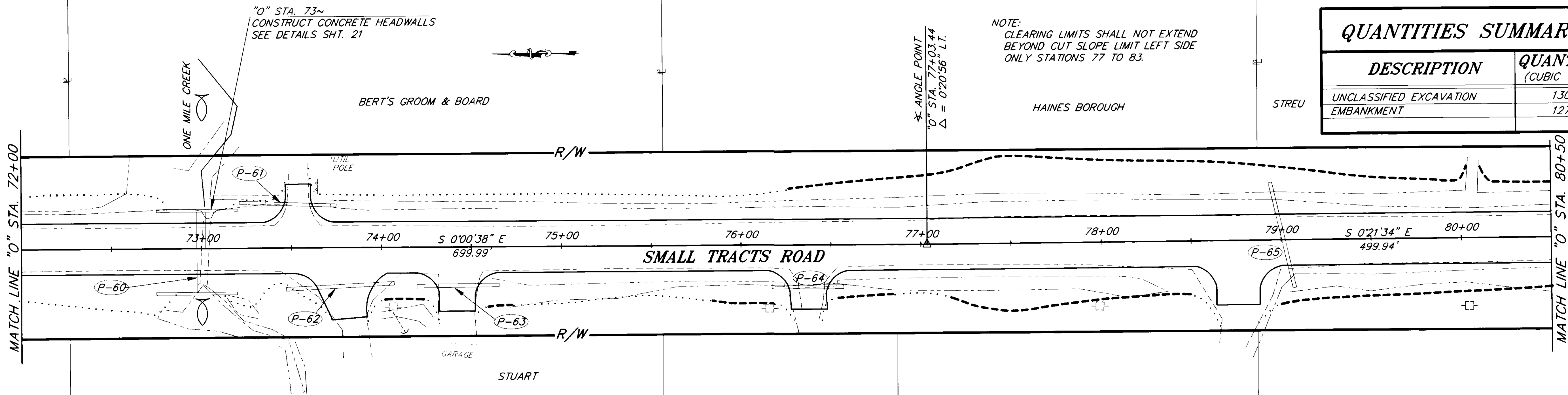
HAINES
 SMALL TRACTS ROAD
 REHABILITATION & PAVING
 STP-0003(25) ~ 71400
 ALASKA
 "0" STA. 64+50 TO "0" STA. 72+00

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

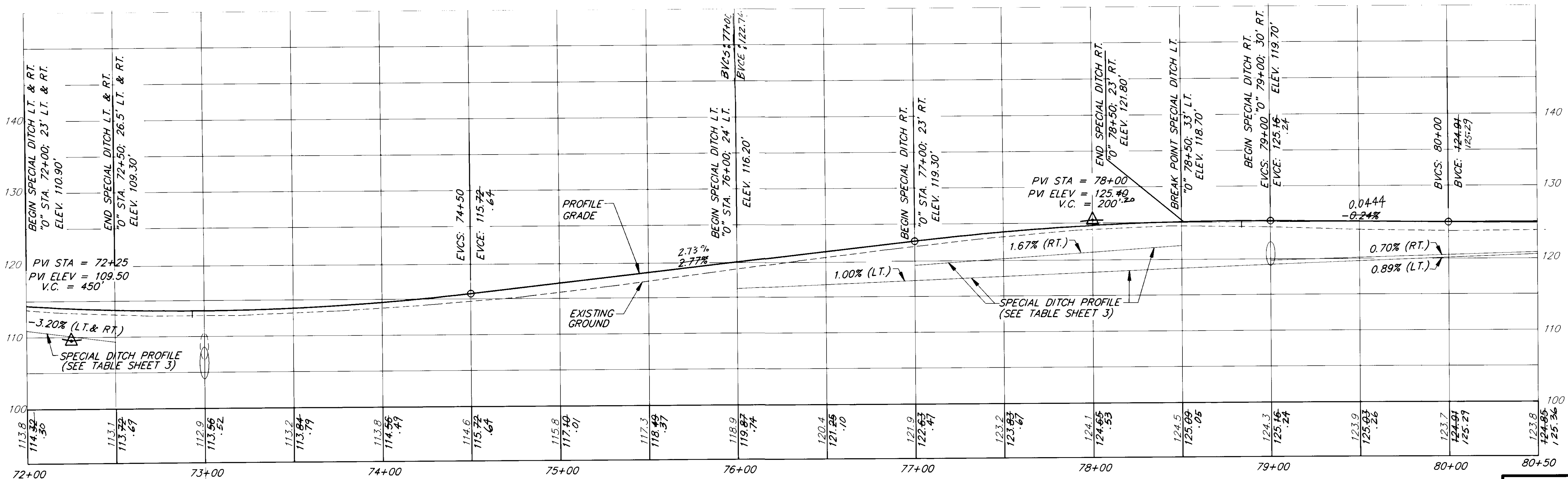
DESIGNED BY: W.J. HOLBROOK	PROJECT NO. 71400
DRAWN BY: K. SNYDER	DATE: 1995
CHECKED BY: C.N. MORROW	SHEET 14 OF 30



QUANTITIES SUMMARY	
DESCRIPTION	QUANTITY (CUBIC YARD)
UNCLASSIFIED EXCAVATION	1305
EMBANKMENT	1275



HYDROLOGIC AND HYDRAULIC SUMMARY	
DRAINAGE AREA	0.6 SQ. MI.
EXCEEDANCE PROBABILITY	1.5% 10%
DESIGN DISCHARGE	184 111
DESIGN HIGHWATER ELEVATION	114 -

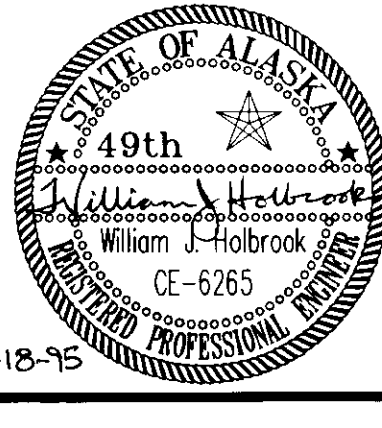


RECORD OF REVISIONS		
BY:	DATE:	DESCRIPTION OF CHANGE:

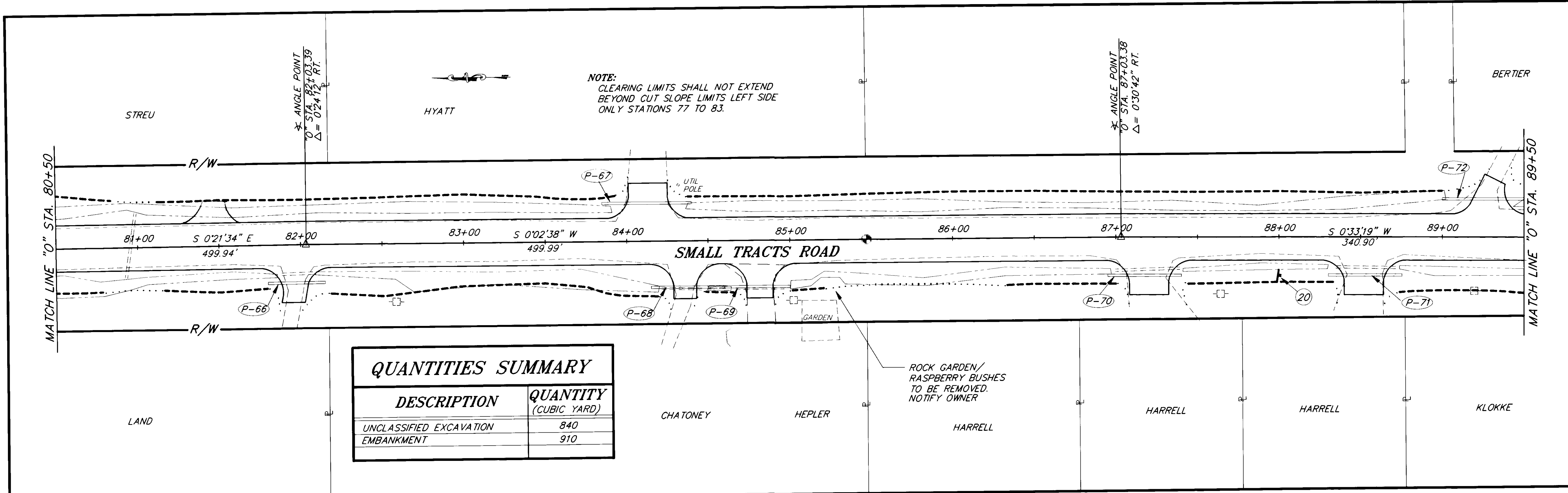
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

HAINES ALASKA
 SMALL TRACTS ROAD
 REHABILITATION & PAVING
 STP-0003(25) ~ 71400
 "0" STA. 72+00 TO "0" STA. 80+50

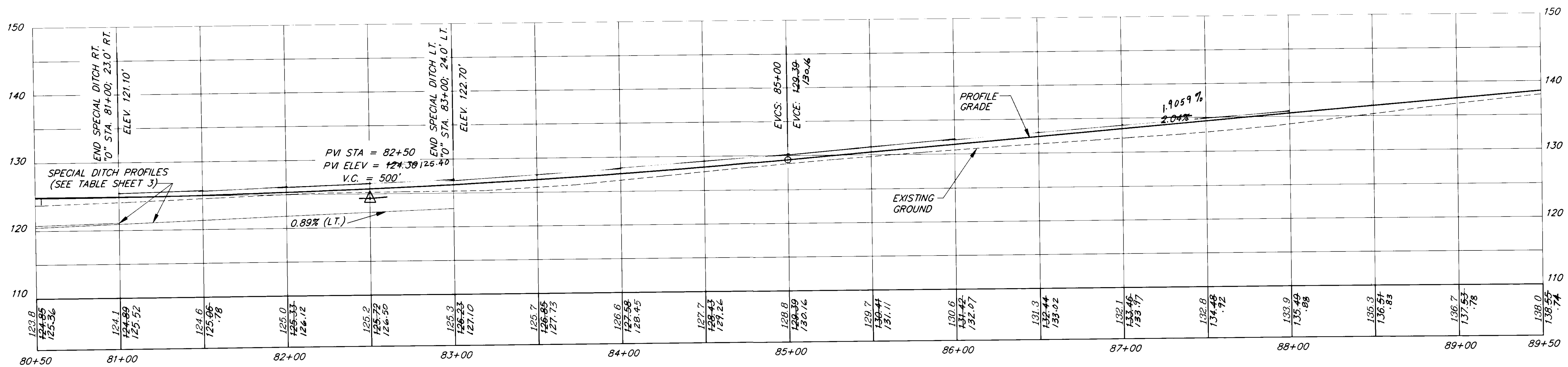
DESIGNED BY: W.J. HOLBROOK	PROJECT NO. 71400
DRAWN BY: K. SNYDER	DATE: 1995
CHECKED BY: C.N. MORROW	SHEET 15 OF 30



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS



QUANTITIES SUMMARY	
DESCRIPTION	QUANTITY (CUBIC YARD)
UNCLASSIFIED EXCAVATION	840
EMBANKMENT	910



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DTWIST = 90'

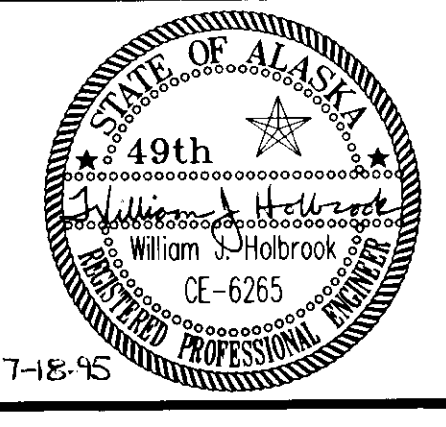
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BY:	DATE:
DESCRIPTION OF CHANGE:	

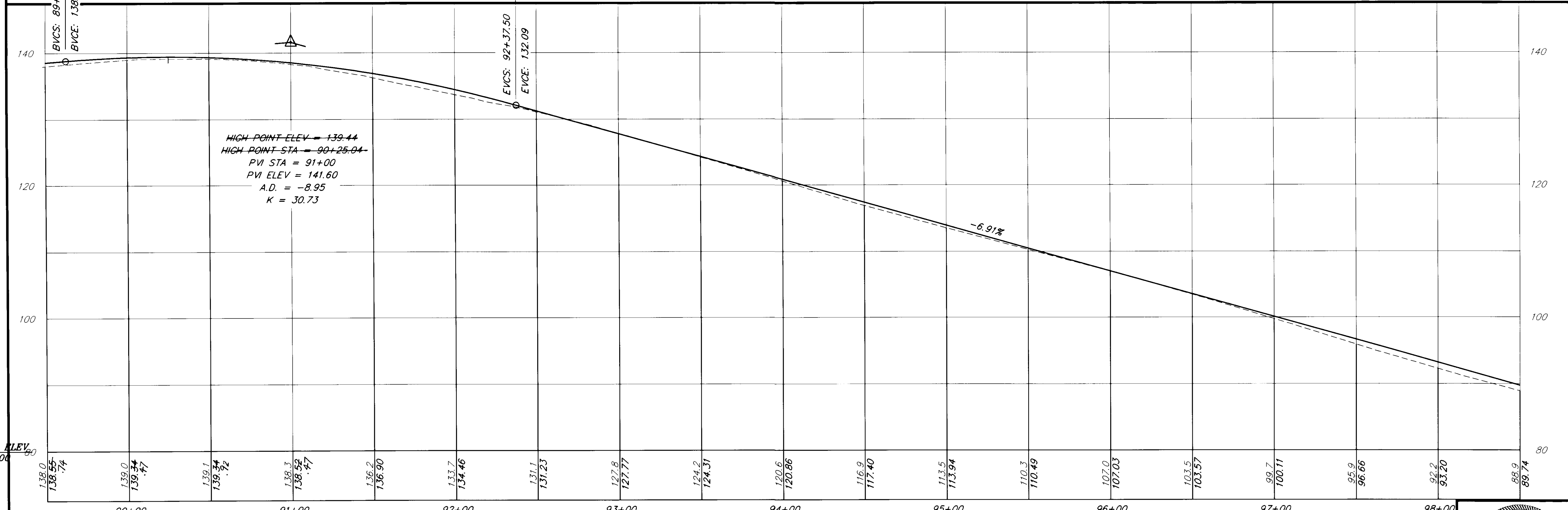
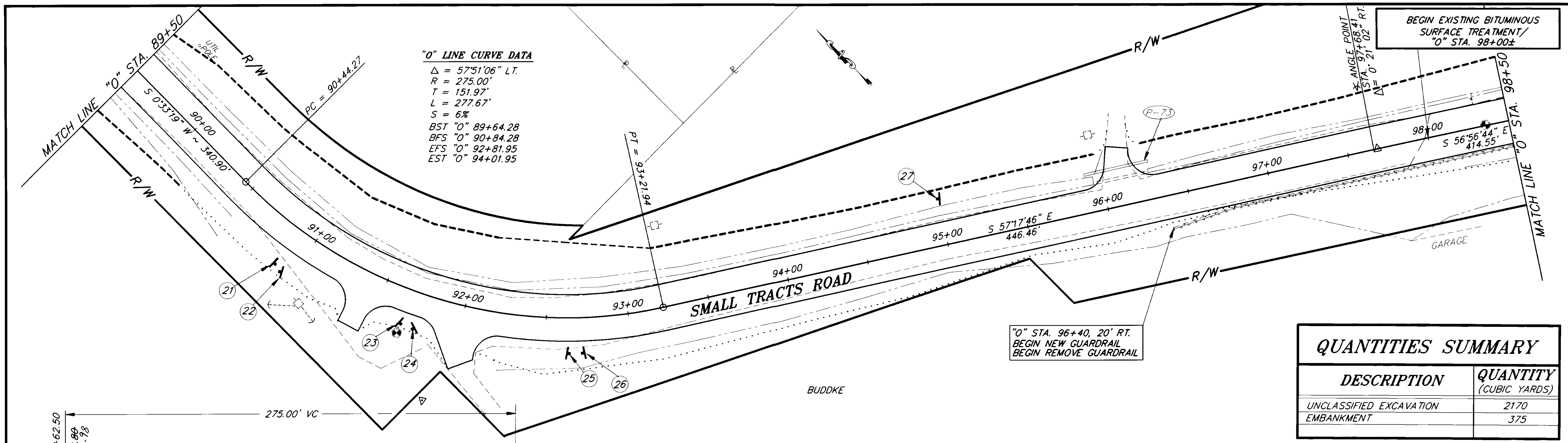
RECORD OF REVISIONS

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

HAINES
 SMALL TRACTS ROAD
 REHABILITATION & PAVING
 STP-0003(25) ~ 71400
 "0" STA. 80+50 TO "0" STA. 89+50

DESIGNED BY: W.J. HOLBROOK	PROJECT NO. 71400
DRAWN BY: K. SNYDER	DATE: 1995
CHECKED BY: C.N. MORROW	SHEET 16 OF 30





DTWIST = 90°

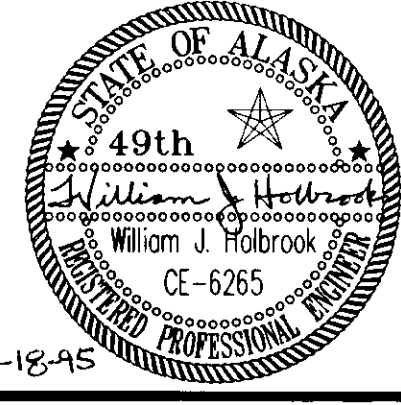
NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

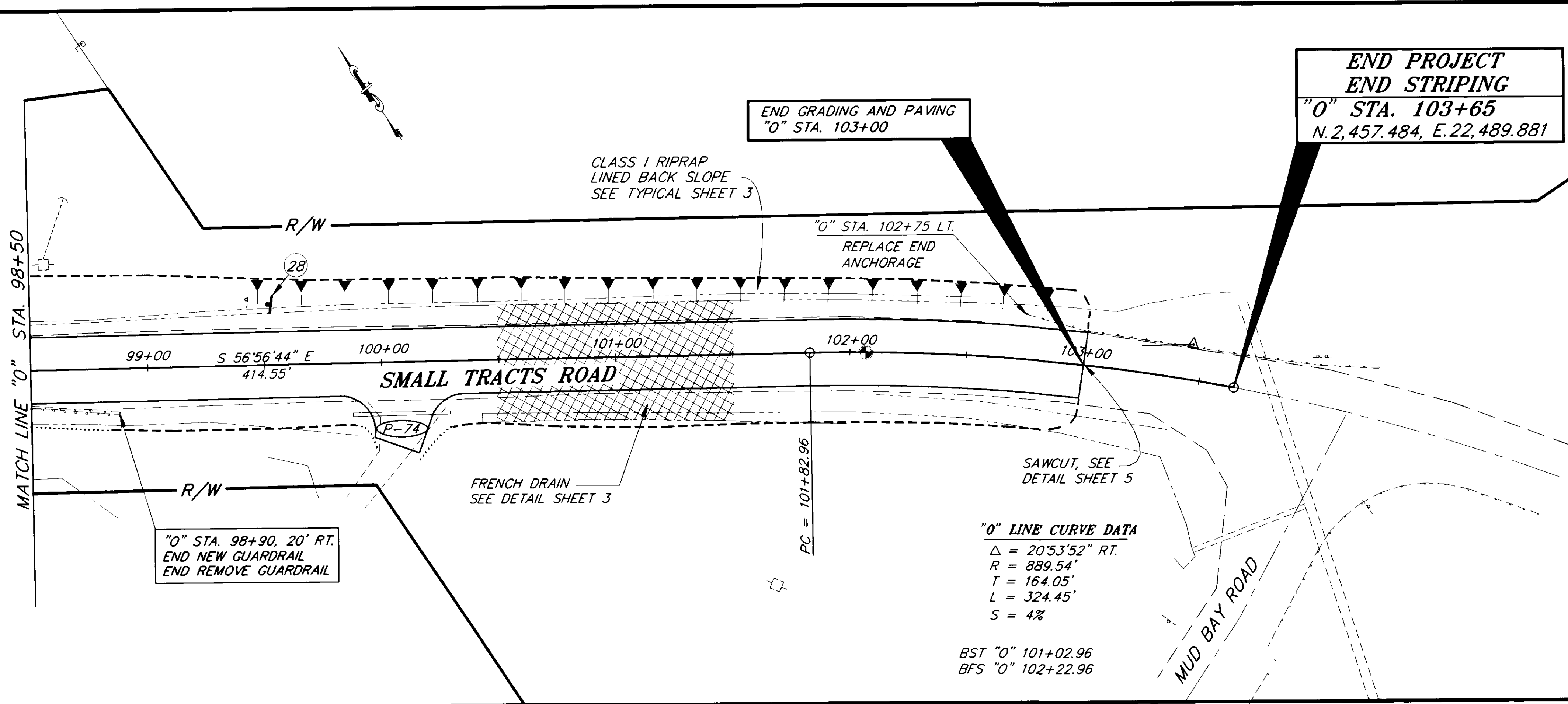
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION DESIGN & CONSTRUCTION	HAINES	ALASKA	DESIGNED BY: W.J. HOLBROOK	PROJECT NO. 71400
SMALL TRACTS ROAD REHABILITATION & PAVING STP-0003(25) ~ 71400			DRAWN BY: K. SNYDER	DATE: 1995
"O" STA. 89+50 TO "O" STA. 98+50			CHECKED BY: C.N. MORROW	SHEET 17 OF 30

7-18-95

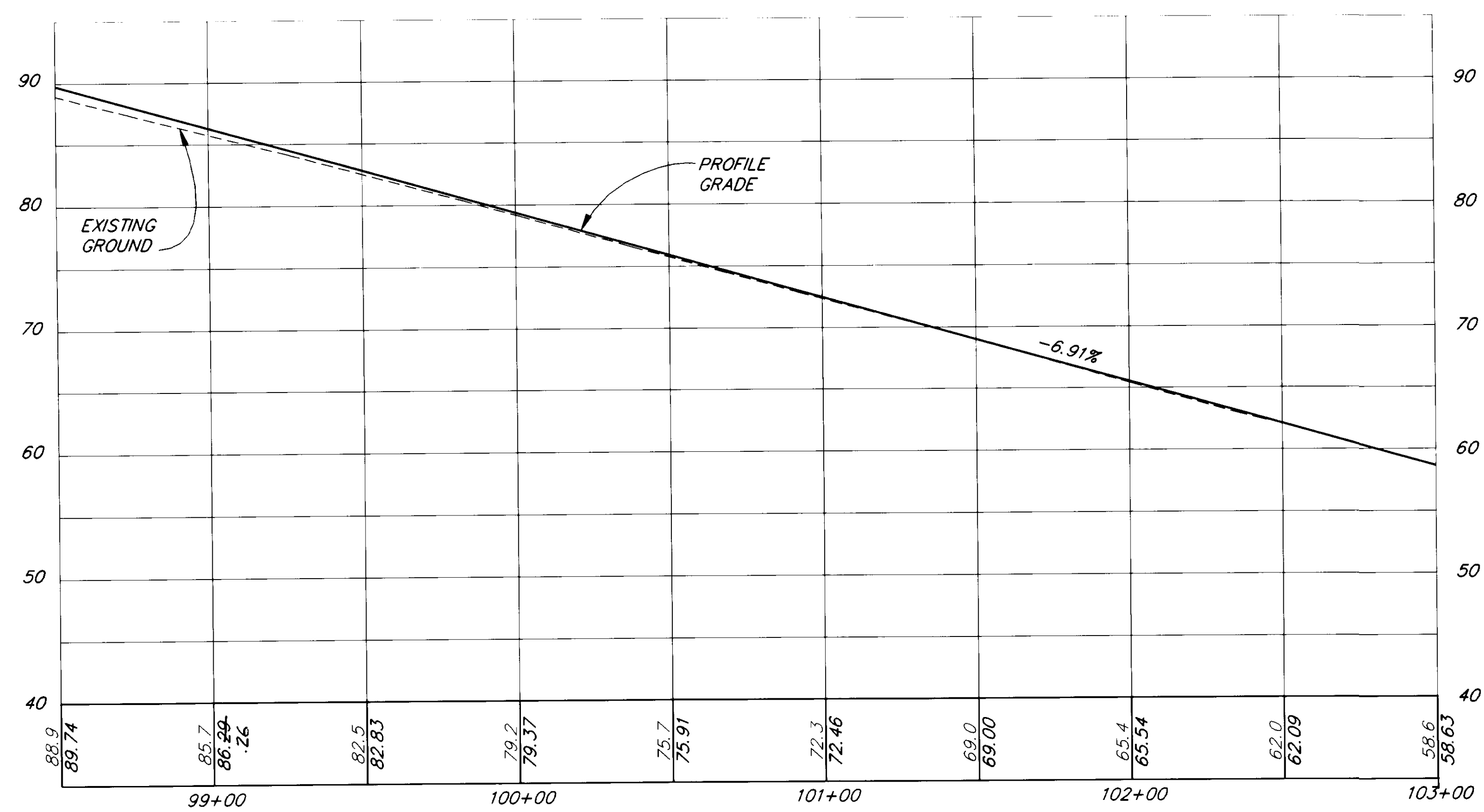
RECORD OF REVISIONS

NO.	DATE	DESCRIPTION OF CHANGE





QUANTITIES SUMMARY	
DESCRIPTION	QUANTITY (CUBIC YARDS)
UNCLASSIFIED EXCAVATION	1030
EMBANKMENT	35



DTWST = 34'

PATH: P:\HNS\71400\DR\--P9850 PLOT1.PCP(30) OR PLOT1.PCP(60)
BY: DATE: DESCRIPTION OF CHANGE:

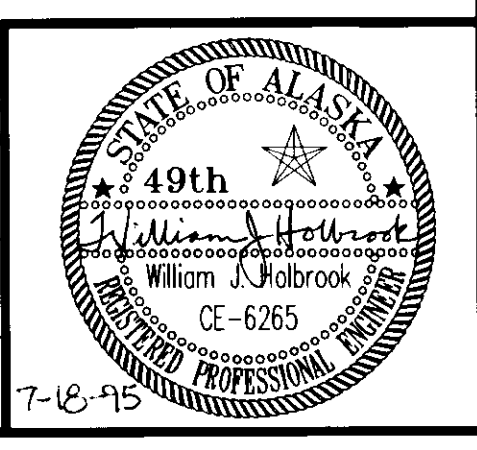
RECORD OF REVISIONS

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

HAINES
 SMALL TRACTS ROAD
 REHABILITATION & PAVING
 STP-0003(25) ~ 71400
 "O" STA. 98+50 TO E.O.P. "O" STA. 103+65

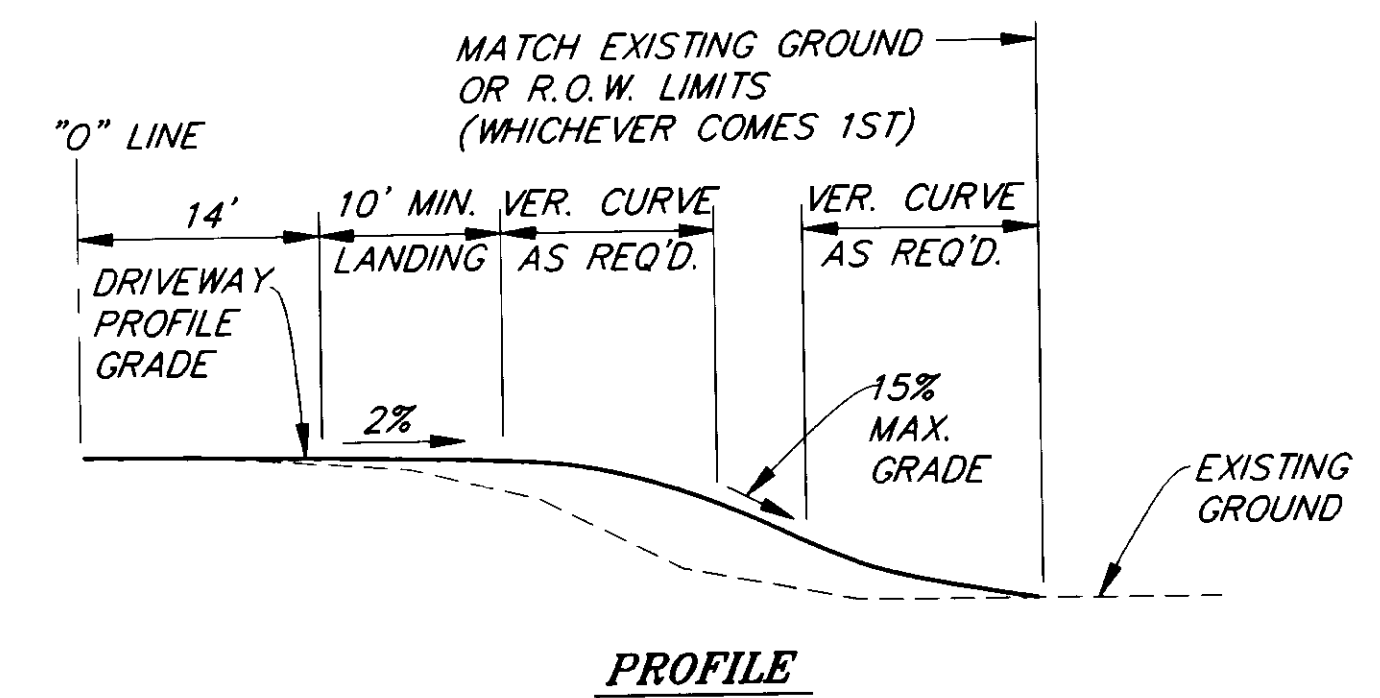
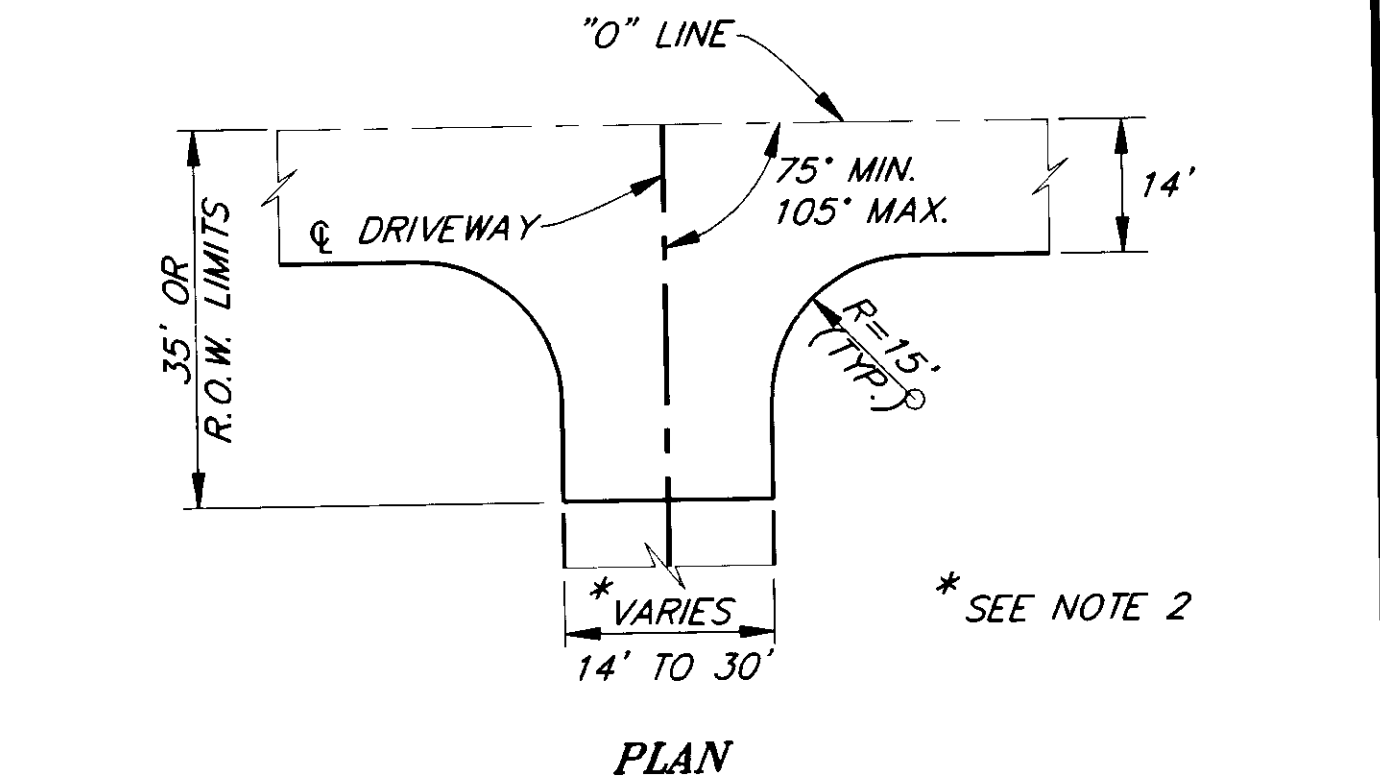
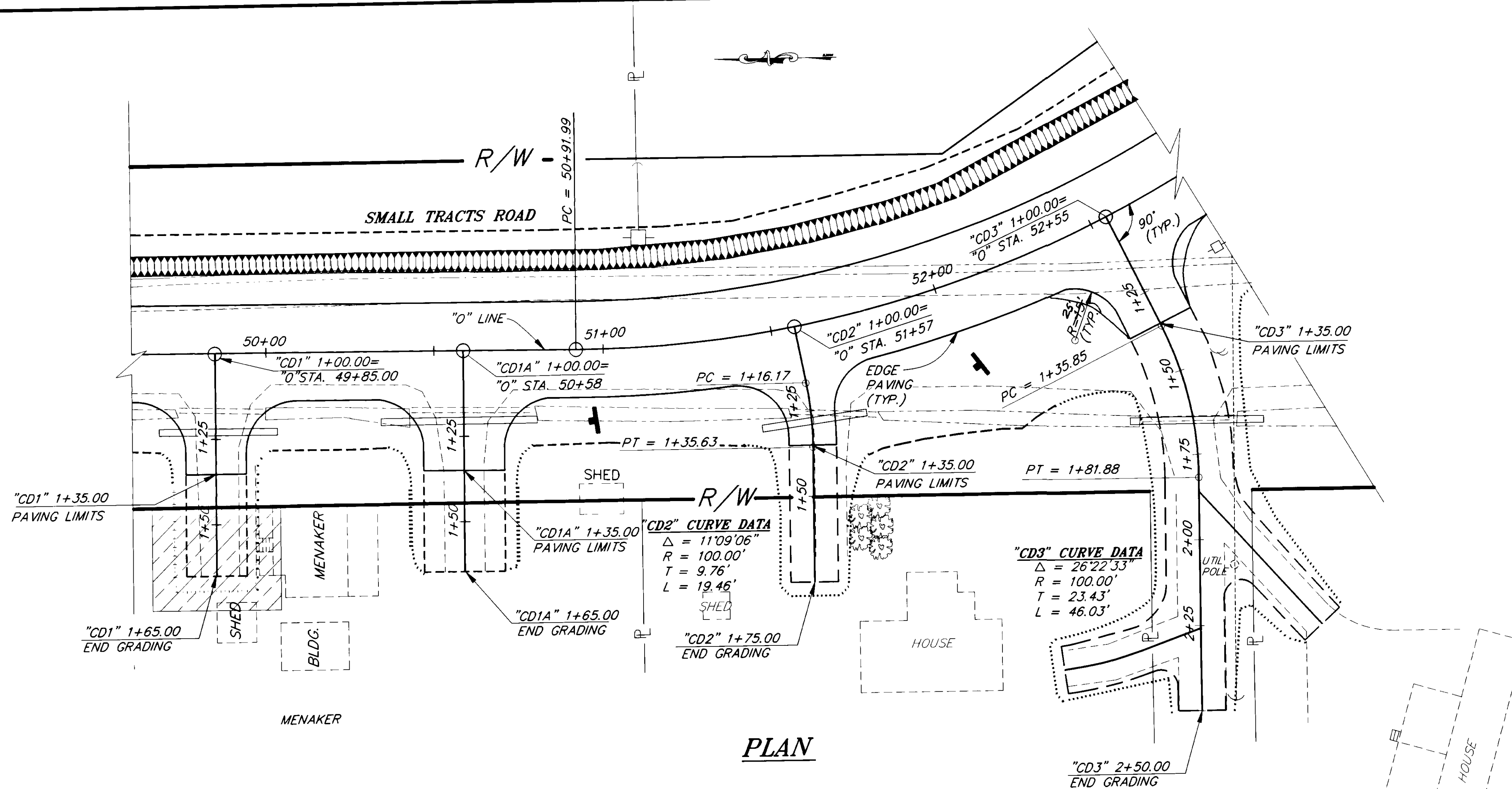
NOTE: DO NOT SCALE FROM THESE PLANS--USE DIMENSIONS

DESIGNED BY: W.J. HOLBROOK	PROJECT NO. 71400
DRAWN BY: K. SNYDER	DATE: 1995
CHECKED BY: C.N. MORROW	SHEET 18 OF 30

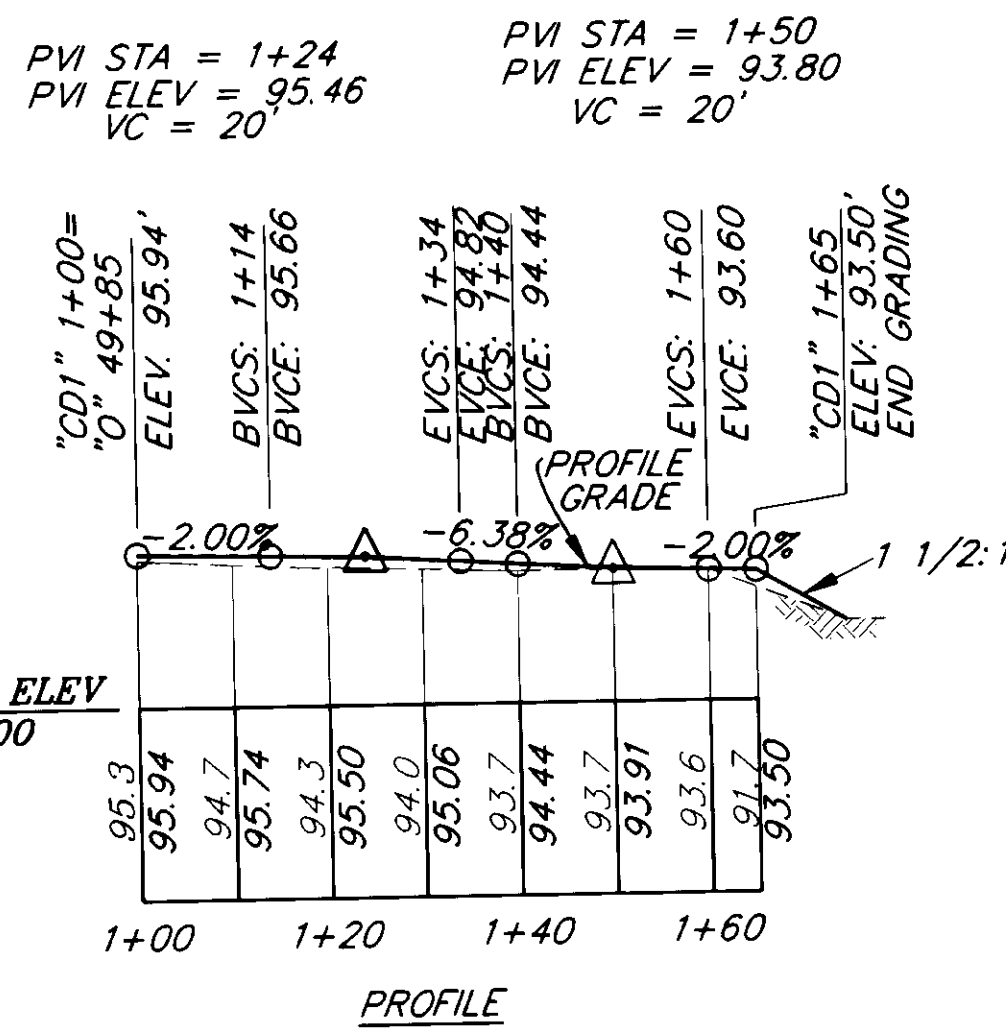


GENERAL NOTES

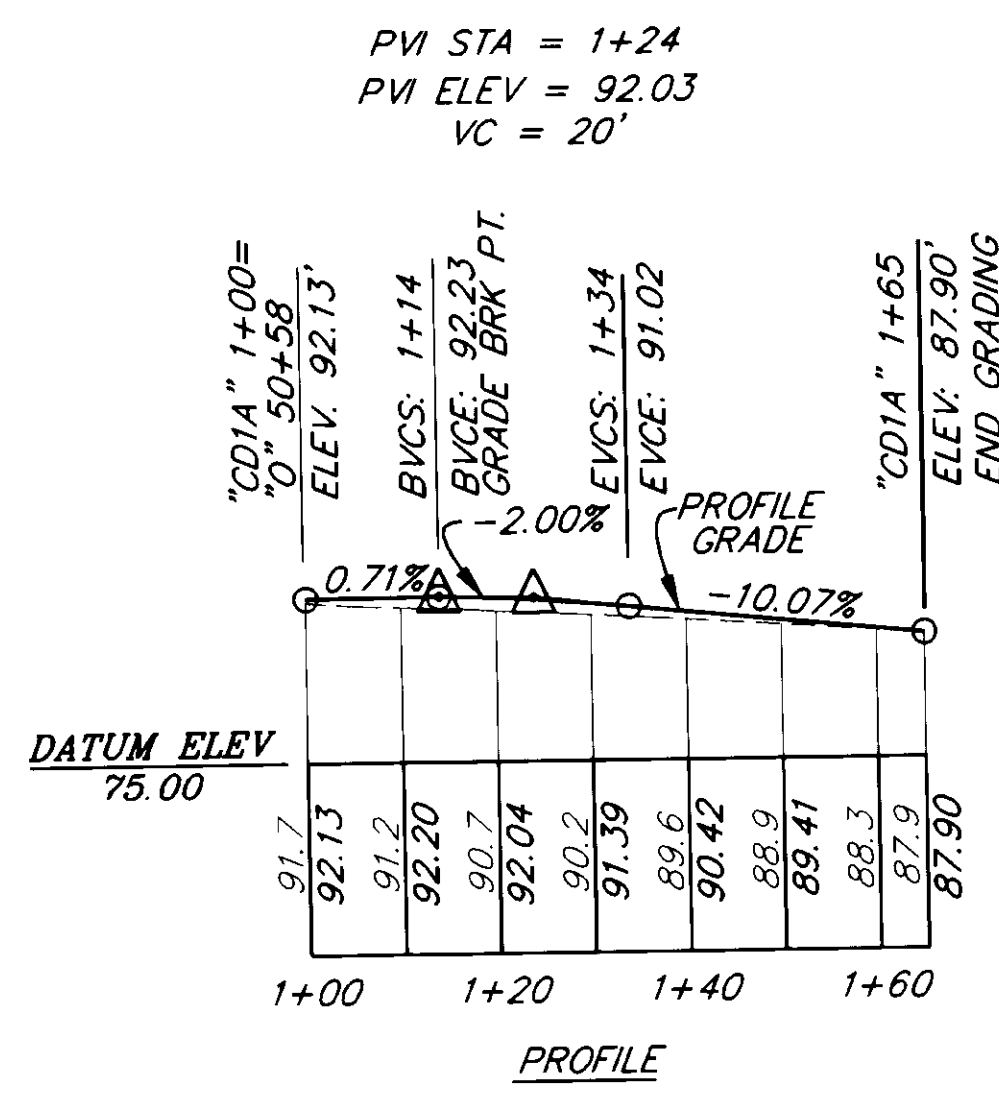
- STANDARD DRIVEWAY PLAN & PROFILES SHALL BE AS DETAILED THIS SHEET.
- DRIVEWAYS SHALL BE CONSTRUCTED TO WIDTHS SHOWN IN DRIVEWAY SUMMARY TABLE SHEET 6. INDIVIDUAL DRIVEWAY WIDTHS MAY BE ALTERED UPON APPROVAL OF ENGINEER. A 14' MINIMUM WIDTH SHALL BE CONSTRUCTED IN ALL CASES.



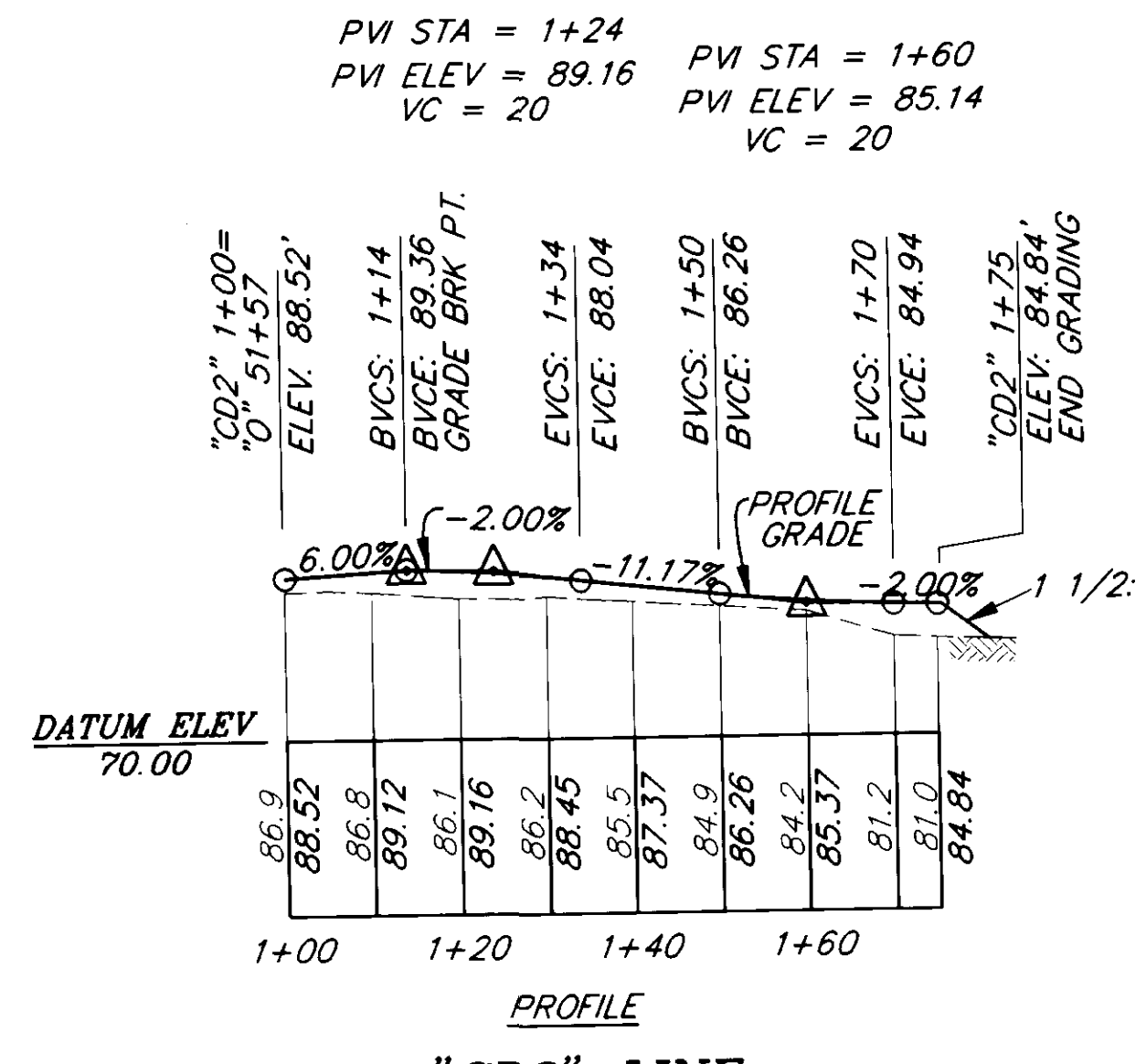
TYPICAL DRIVEWAY DETAILS



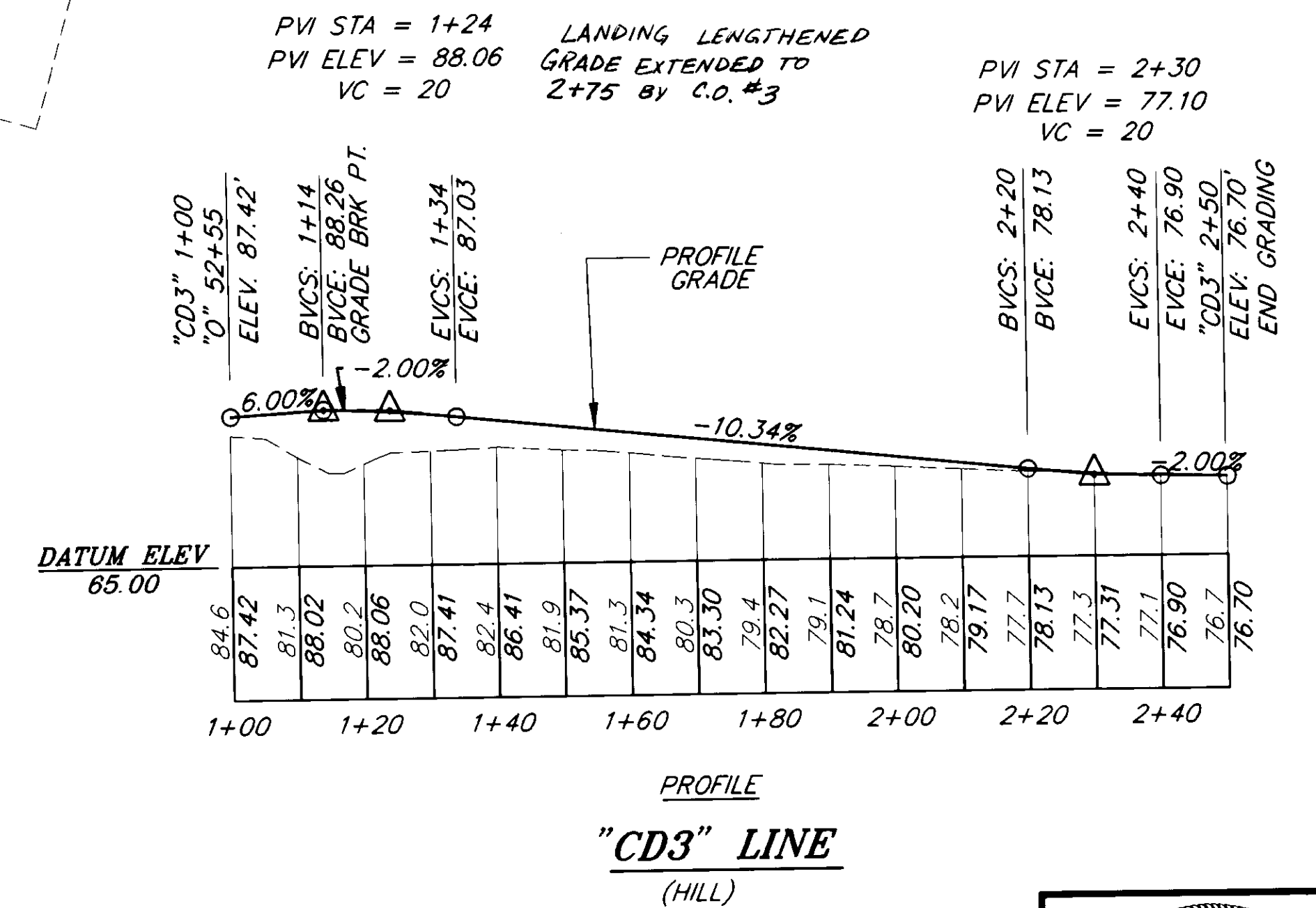
"CD1" LINE
(MENAKER HOUSE)



"CD1A" LINE
(MENAKER)



"CD2" LINE
(ELDREDGE)



"CD3" LINE
(HILL)

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

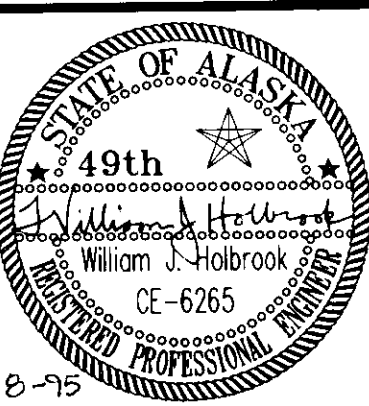
PATH: P:\HNS\71400\DR\DRIVE1	PLOT.PCP(20) OR PLOT.PCP(40)
BY:	DATE:
DESCRIPTION OF CHANGE:	
RECORD OF REVISIONS	

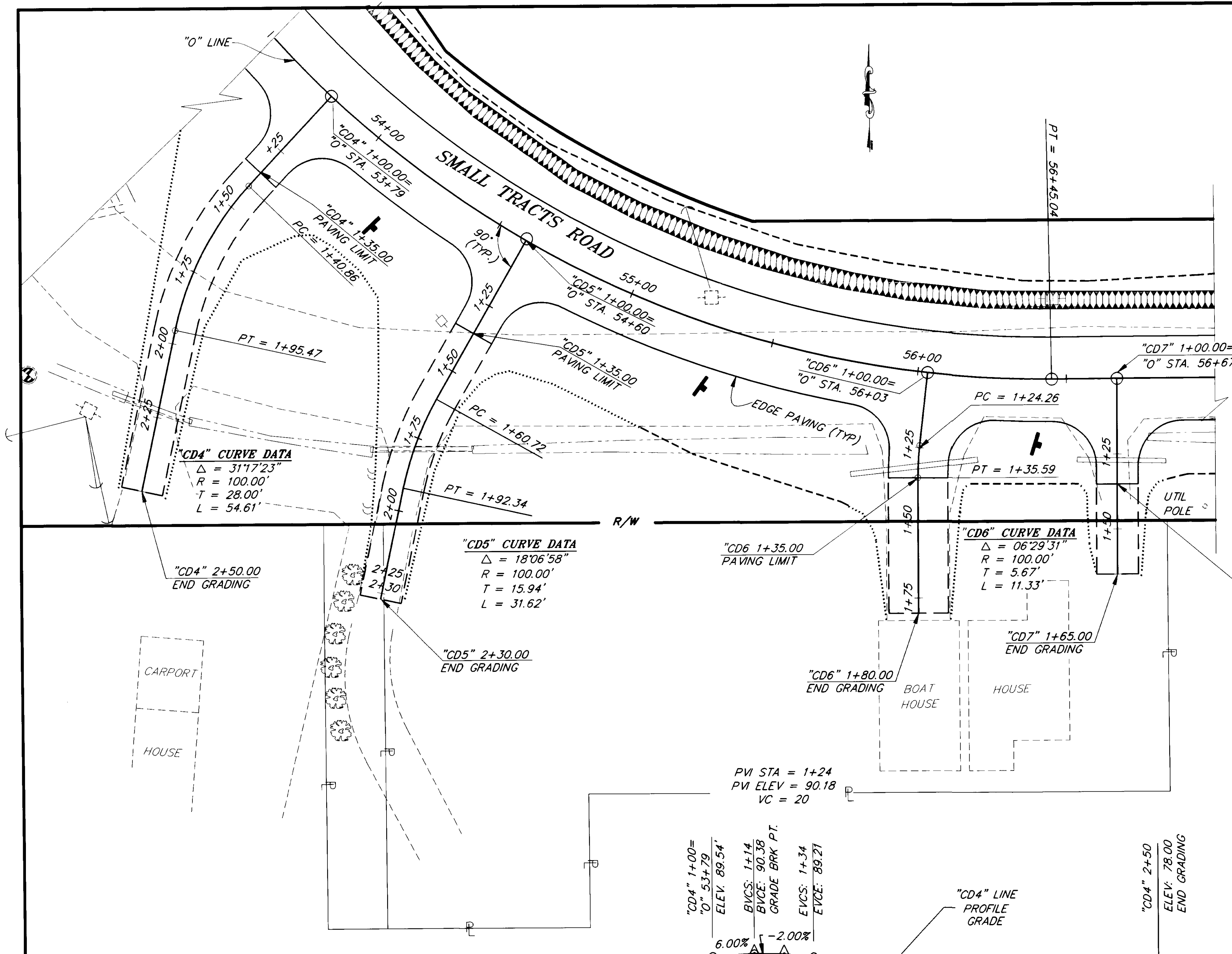
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

HAINES

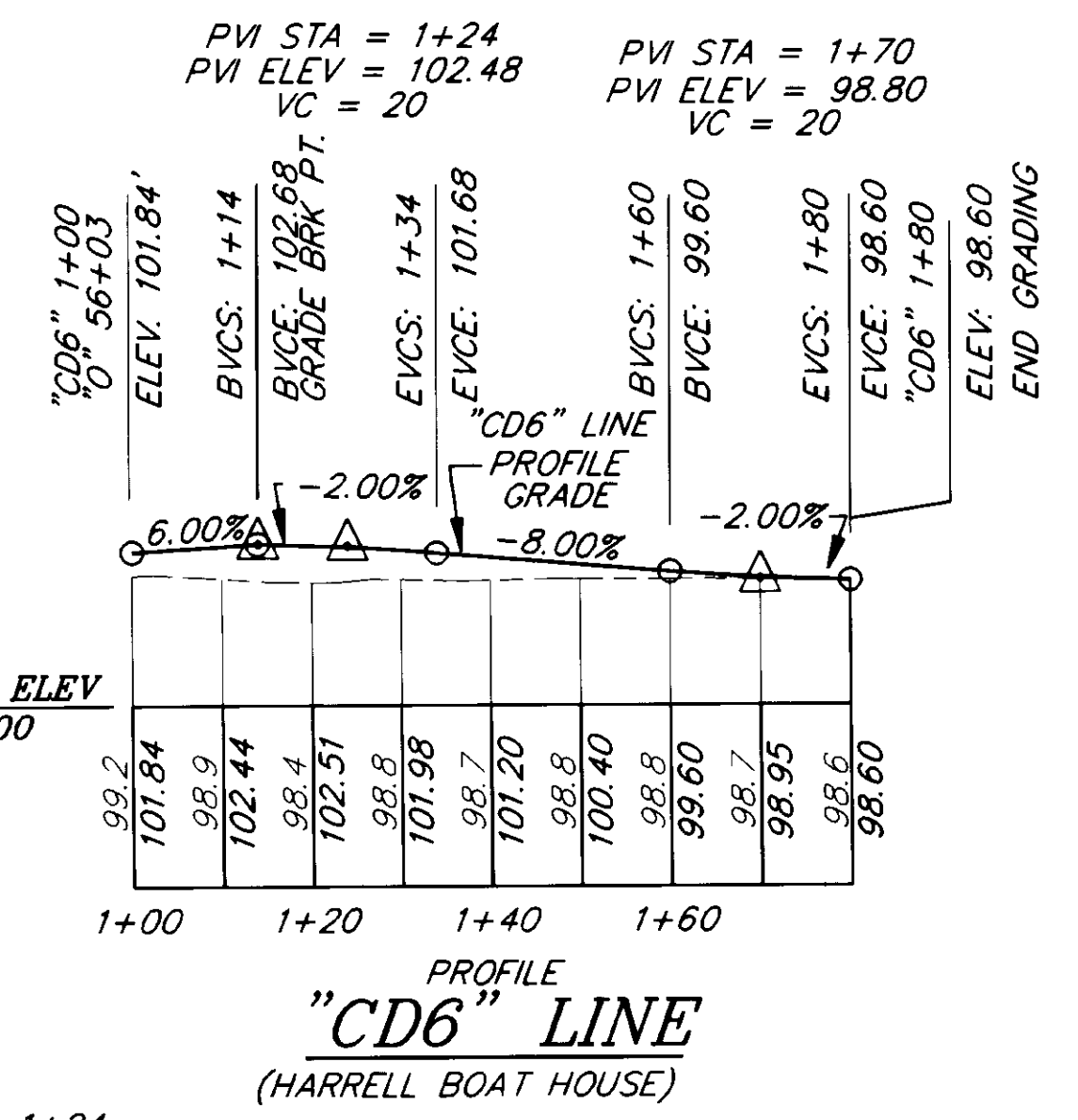
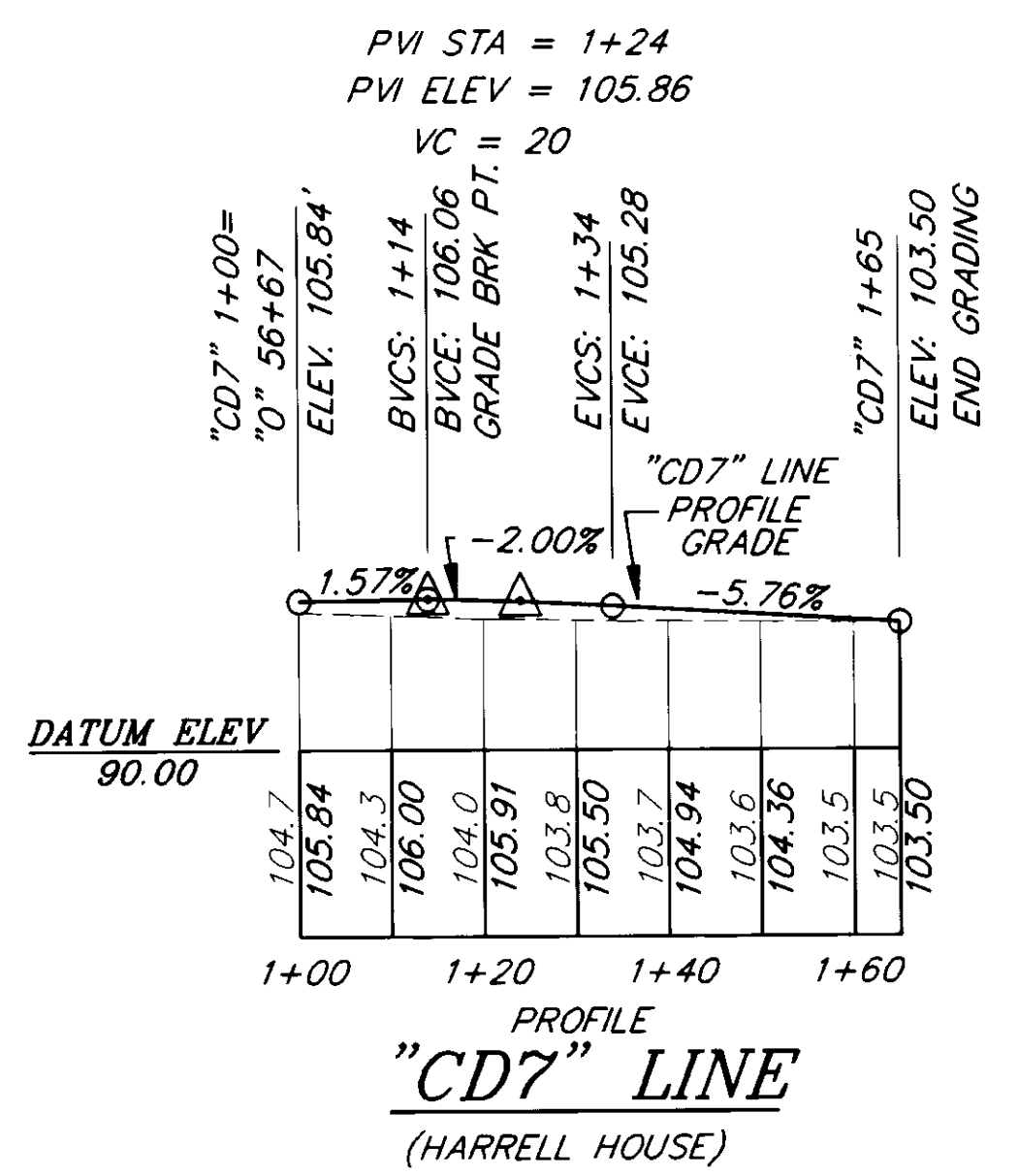
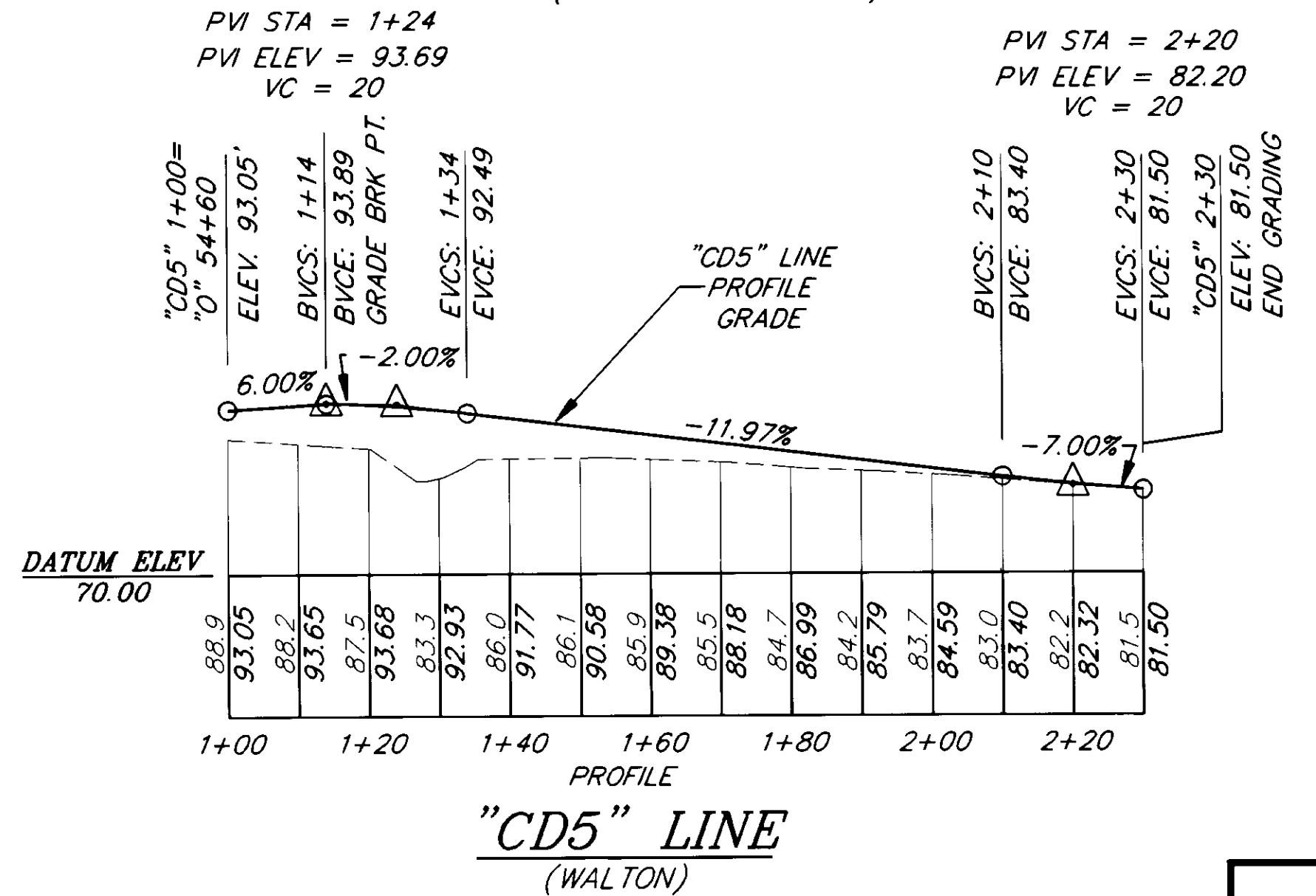
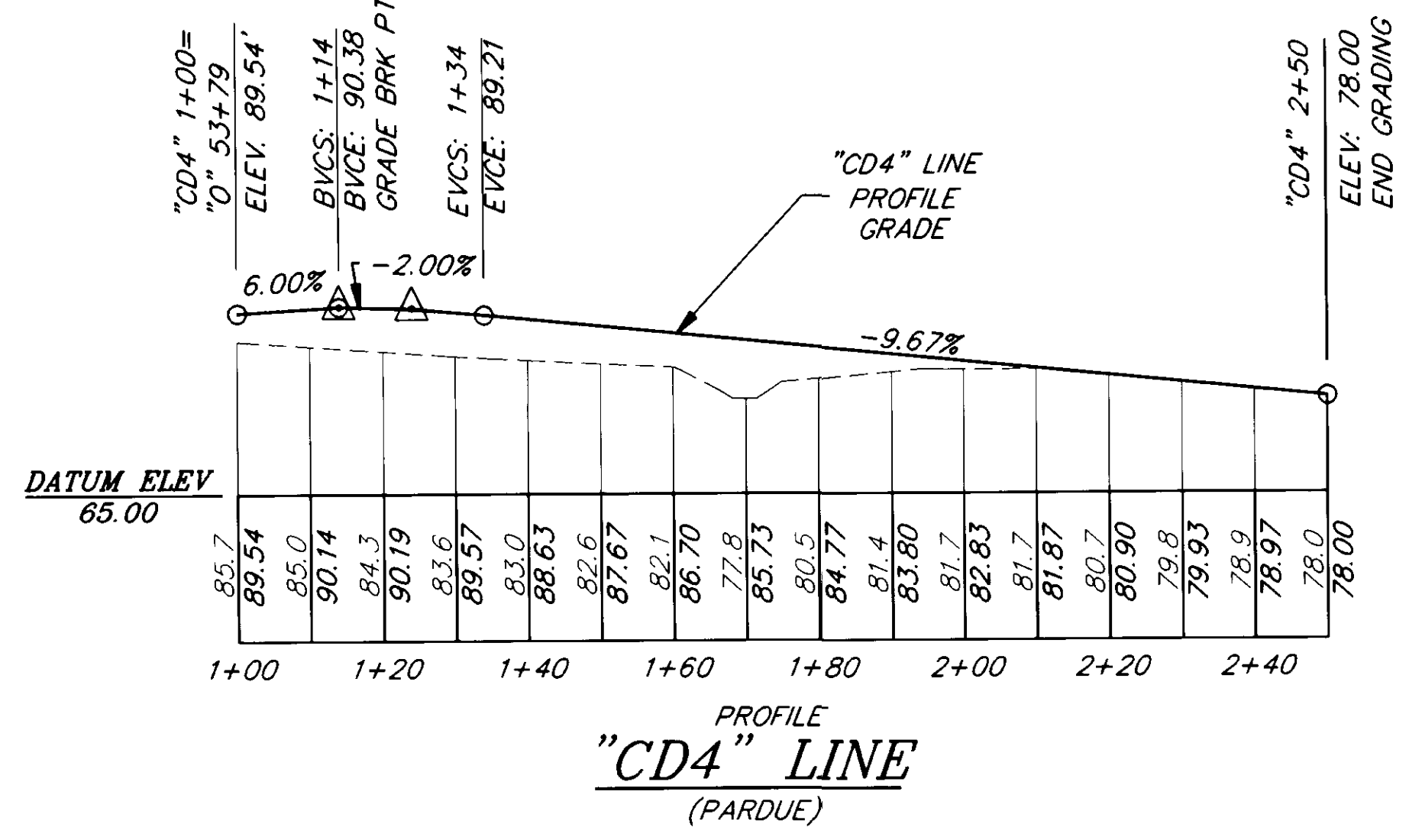
SMALL TRACTS ROAD
 REHABILITATION & PAVING
 STP-0003(25) ~ 71400
 DRIVEWAY DETAILS

ALASKA	DESIGNED BY: W.J. HOLBROOK	PROJECT NO. 71400
	DRAWN BY: K. SNYDER	DATE: 1995
	CHECKED BY: C.N. MORROW	SHEET 19 OF 30





PLAN



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: P:\HNS\71400\DR\DRIVE2 PLOT1.PCP(20) OR PLOT1.PCP(40)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

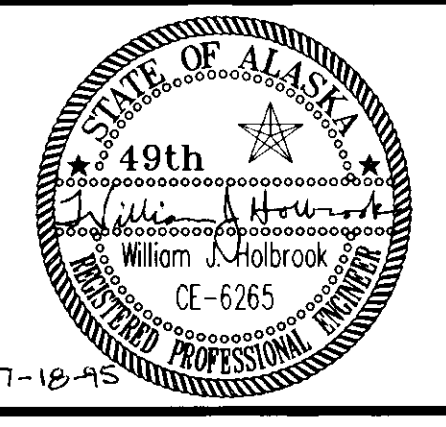
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

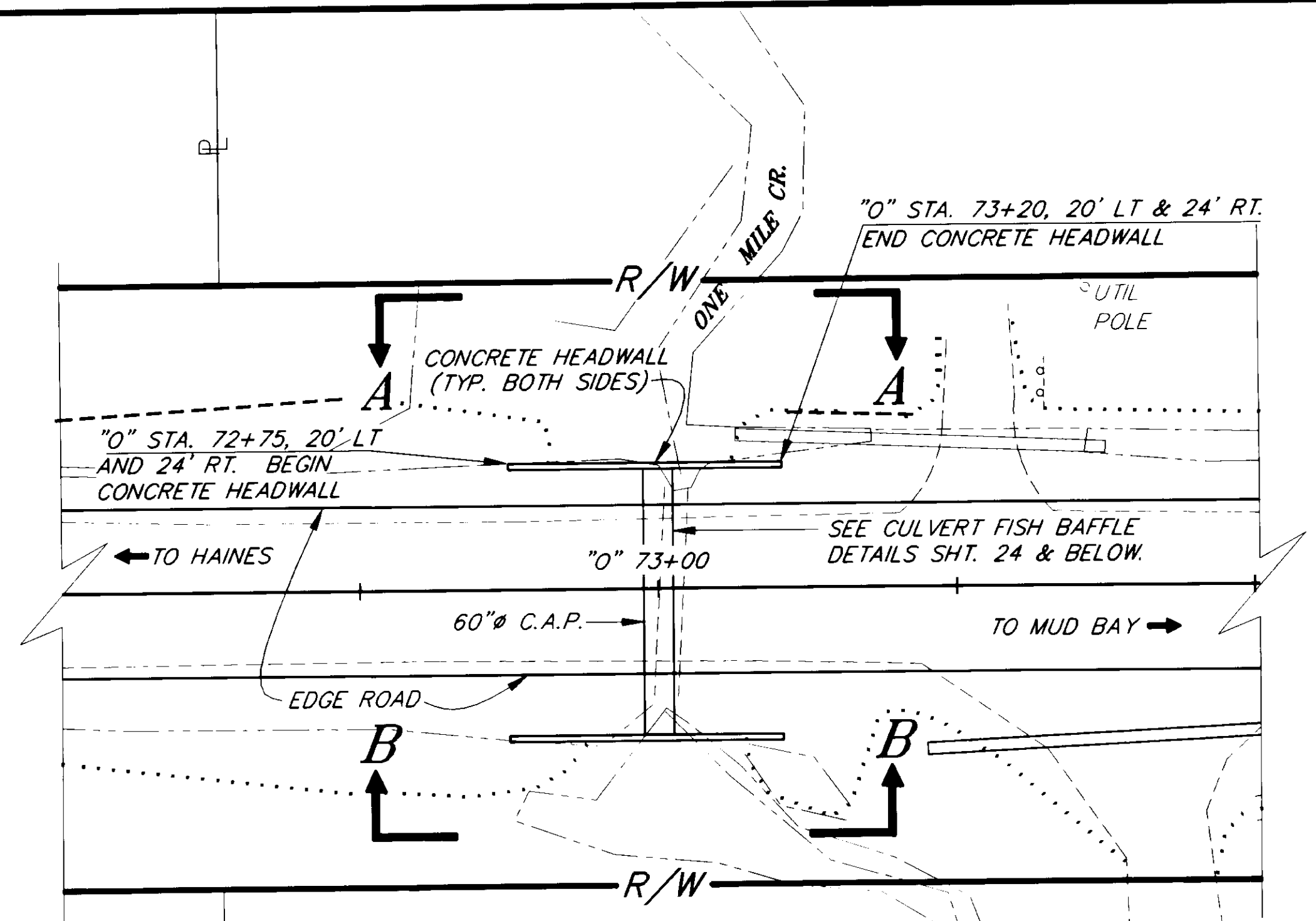
HAINES

SMALL TRACTS ROAD
REHABILITATION & PAVING
STP-0003(25) ~ 71400
DRIVEWAY DETAILS

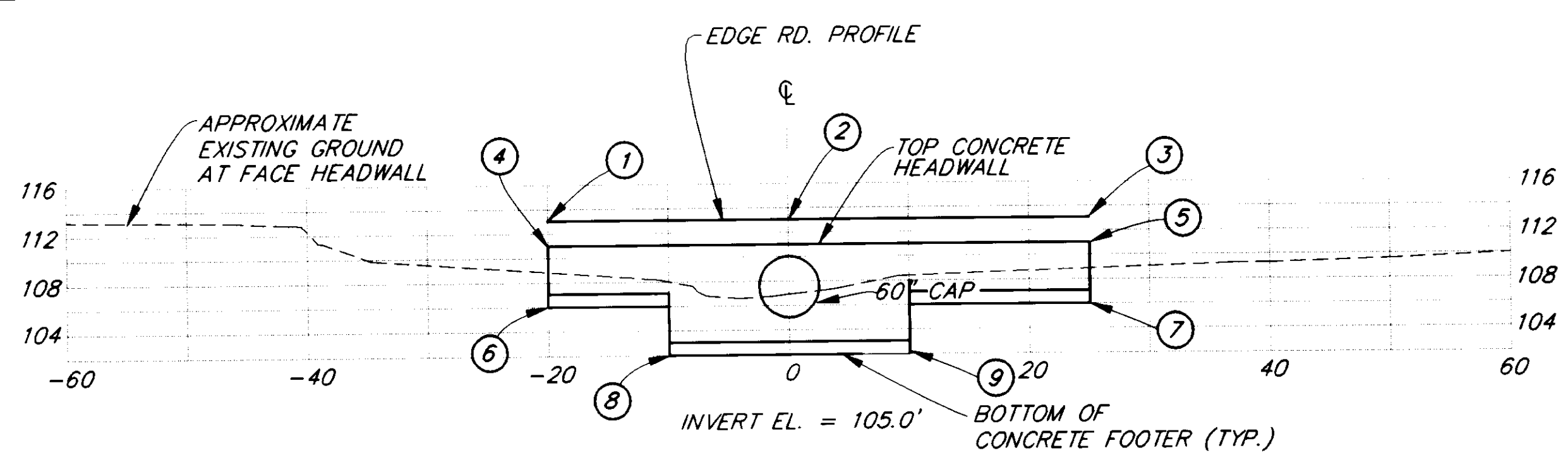
ALASKA

DESIGNED BY: W.J. HOLBROOK	PROJECT NO. 71400
DRAWN BY: K. SNYDER	DATE: 1995
CHECKED BY: C.N. MORROW	SHEET 20 OF 30

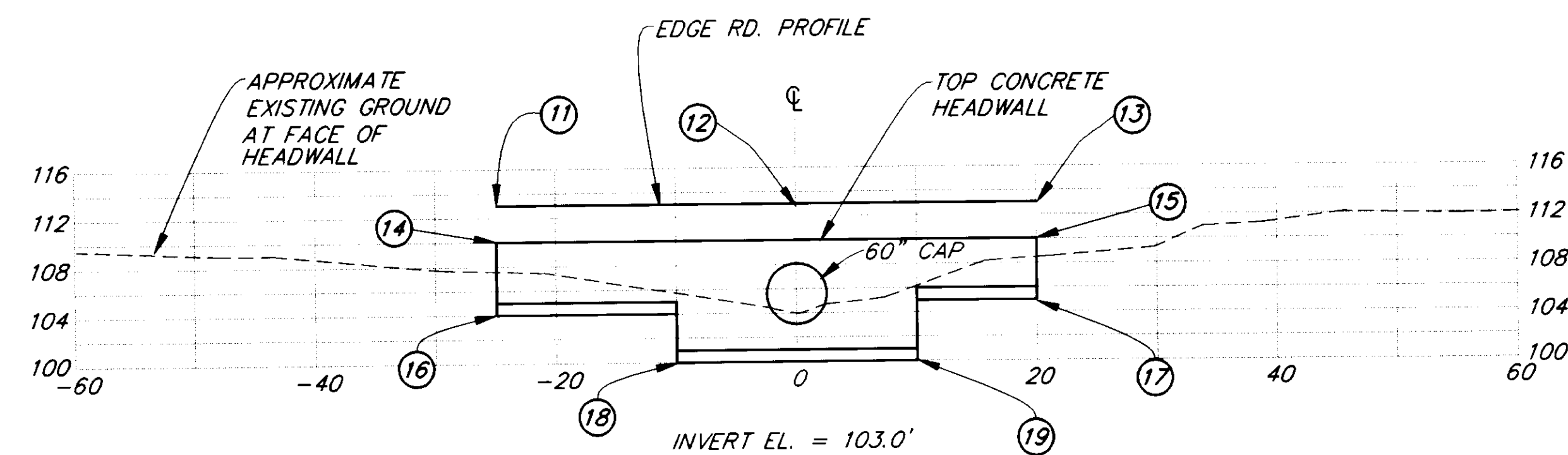




HEADWALL PLAN
@ "O" STA. 73+00



ELEVATION A-A
INLET

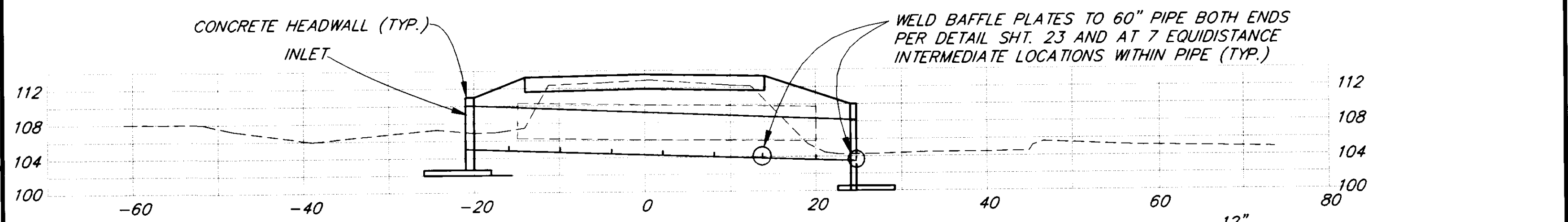


ELEVATION B-B
OUTLET

PT. NO.	"O" STATION	OFFSET	ELEVATION	PT. NO.	"O" STATION	OFFSET	ELEVATION
1	73+20	14' LT.	113.34'	11	72+75	14' RT.	113.31'
2	73+00	14' LT.	113.28'	12	73+00	14' RT.	113.28'
3	72+75	14' LT.	113.31'	13	73+20	14' RT.	113.34'
4	73+20	20' LT.	111.00'	14	72+75	24' RT.	110.00'
5	72+75	20' LT.	111.00'	15	73+20	24' RT.	110.00'
6	73+20	20' LT.	106.00'	16	72+75	24' RT.	104.00'
7	72+75	20' LT.	106.00'	17	73+20	24' RT.	105.00'
8	73+10	20' LT.	+02-00-103	18	72+90	24' RT.	+00-00-101
9	72+90	20' LT.	+02-00-103	19	73+10	24' RT.	+00-00-101

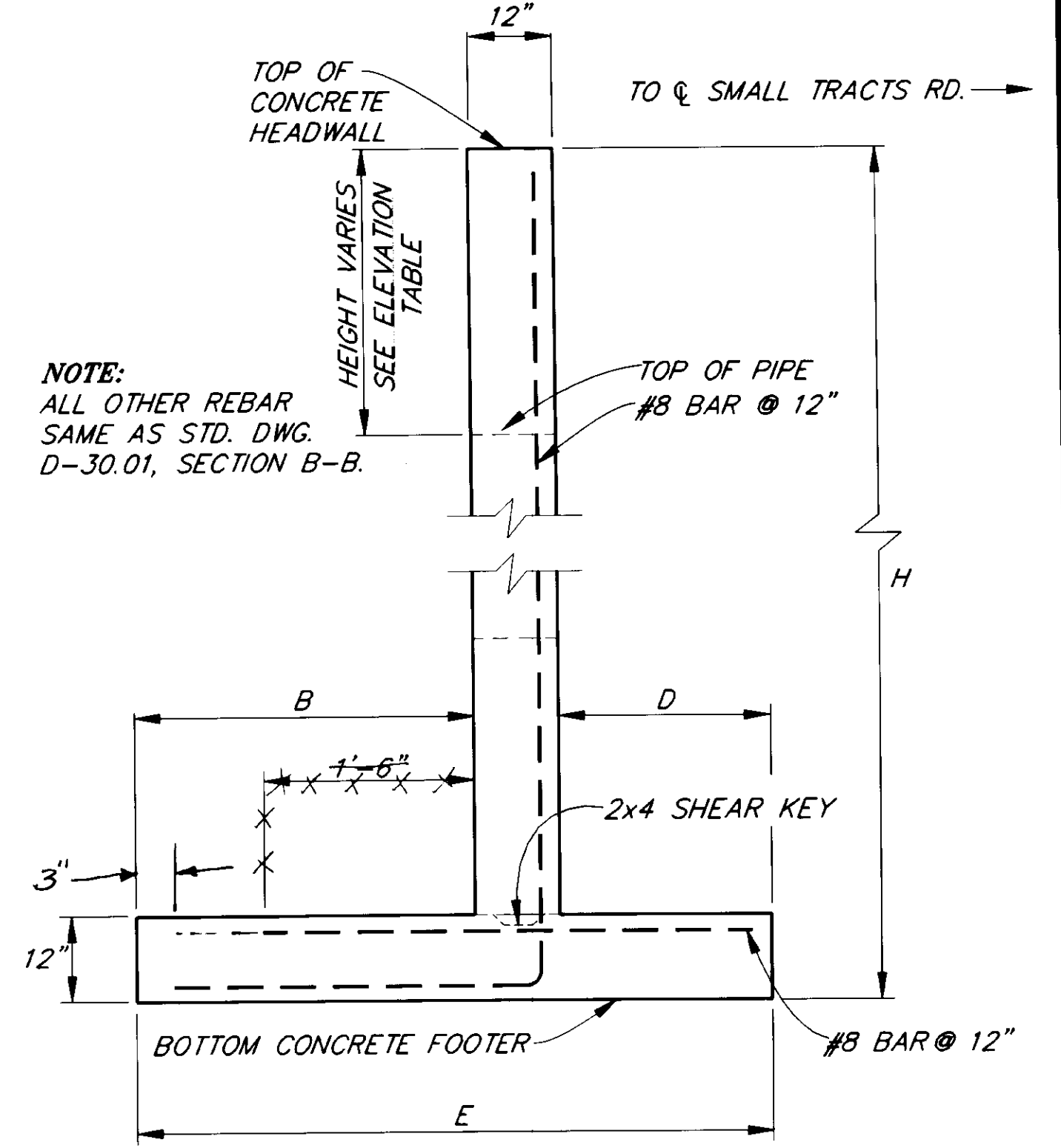
DIA.	W	H	B	D	E	CU. YD. CONCRETE PER FT./WALL
60"	12'	VARIES	1'-2" 4'-0"	4'-0" 2'-6"	6'-0" 7'-6"	VARIES
			2'-0"	4'-0"	7'-0"	7'-0"
			1'-2"	3'-0"	5'-0"	5'-0"

- GENERAL NOTES**
- HEADWALL SHALL BE TYPE II IN ACCORDANCE WITH STD. DWG. D-30.01 EXCEPT AS NOTED ON THIS SHEET. SINGLE PIPE INSTALLATION ONLY.
 - SUBSTITUTE CORRUGATED ALUMINUM PIPE AS SHOWN IN TABLE BELOW FOR CORRUGATED METAL PIPE AS SHOWN IN TABLE GIVEN IN STD. DWG. D-30.01.
 - FOR WALL HEIGHTS (H) GREATER THAN 5'-7", SUBSTITUTE REINFORCING STEEL ILLUSTRATED IN DETAIL "C" FOR SIMILARLY LOCATED REBAR IN SECTION B-B, STD. DWG. D-30.01.
 - HEADWALL CONCRETE SHALL BE CLASS "W" MINIMUM PER SECTION 501. HEADWALL REINFORCING SHALL BE GRADE 60.
 - FOUNDATION SOIL SHALL BE EXAMINED BY ENGINEER PRIOR TO HEADWALL CONSTRUCTION. IF DEEMED UNSUITABLE, IT SHALL BE SUBCUT AND REPLACED WITH APPROVED MATERIAL. DEPTH TO BE DETERMINED BY THE ENGINEER. FOUNDATION SOIL SHALL BE SUITABLY COMPACTED.
 - ONE MILE CREEK IS AN ANADROMOUS FISH STREAM. SEE STREAM WORK RESTRICTIONS, SHEET 24, BEFORE COMMENSING ANY WORK.
 - NO CLEARING AND GRUBBING IS PERMITTED OUTSIDE NEATLINES OF FOUNDATION EXCAVATION FOR HEADWALLS. SEE SECTION 204-4.01 FOR NEATLINES DEFINITION.



NEW PIPE PROFILE
@ "O" STA. 73+00

ITEM	QUANTITY
CLASS "W" CONCRETE	37.5 39-2 C.Y.



DETAIL "C"

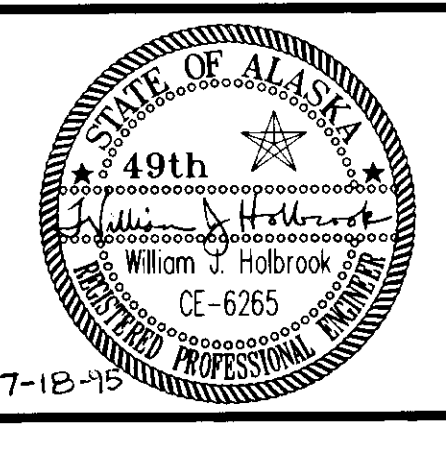
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: P:\HNS\71400\DR\DET2	DESCRIPTION OF CHANGE:
BY:	DATE:
RECORD OF REVISIONS	

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

HAINES
SMALL TRACTS ROAD
REHABILITATION & PAVING
STP-0003(25) ~ 71400
ALASKA
HEADWALL DETAILS

DESIGNED BY: W.J. HOLBROOK	PROJECT NO. 71400
DRAWN BY: K. SNYDER	DATE: 1995
CHECKED BY: C.N. MORROW	SHEET 21 OF 30



STANDARD SIGNING SCHEDULE

SIGN NO.	STATION	LT.	RT.	TYPE	LEGEND	SIZE W X H	AREA S.F.	POST SIZE	FACING TRAFFIC	REMARKS
①	13+90		X	R2-1	SPEED LIMIT 35	30X36	7.5	2.5"	S.B.	
②	23+33	X		12A	HAINES CITY LIMIT	42X24	7.0	2"	N.B.	6" UC, 4.5" LC (HAINES) 4" UC (CITY LIMITS)
③	49+00		X	W1-2L	LEFT CURVE SIGN	36X36	9.0	2.5"	S.B.	
④	51+05		X	W1-8	RIGHT CHEVRON	18X24	3.0	2"	N.B.	
⑤	52+00		X	W1-8	RIGHT CHEVRON	18X24	3.0	2"	W.B.	
⑥	53+25		X	W1-8	RIGHT CHEVRON	18X24	3.0	2"	W.B.	
⑦	54+10		X	W1-8	LEFT CHEVRON	18X24	3.0	2"	S.B.	
⑧	55+35		X	W1-8	LEFT CHEVRON	18X24	3.0	2"	E.B.	
⑨	56+35		X	W1-8	LEFT CHEVRON	18X24	3.0	2"	E.B.	
⑩	58+50	X		W1-2R	RIGHT CURVE SIGN	36X36	9.0	2.5"	W.B.	
		*		W1-3-1	30 MPH	24X24	4.0		W.B.	MOUNT ON SAME POST REMOVED @ ENGINEERS REQUEST
⑪	63+00		X	W1-1R	RIGHT TURN SIGN	36X36	9.0	2.5"	E.B.	
			X	W1-3-1	20 MPH	24X24	4.0		E.B.	MOUNT ON SAME POST
⑫	64+90	X		W1-8	LEFT CHEVRON	18X24	3.0	2"	W.B.	
⑬	65+50	X		W1-8	RIGHT CHEVRON	18X24	3.0	2"	E.B.	
⑭	65+50	X		W1-8	LEFT CHEVRON	18X24	3.0	2"	W.B.	
⑮	66+00	X		W1-8	RIGHT CHEVRON	18X24	3.0	2"	E.B.	
⑯	66+00	X		W1-8	LEFT CHEVRON	18X24	3.0	2"	W.B.	
⑰	66+50	X		W1-8	RIGHT CHEVRON	18X24	3.0	2"	E.B.	
⑱	66+50	X		W1-8	LEFT CHEVRON	18X24	3.0	2"	W.B.	
⑲	69+00	X		W1-1L	LEFT TURN SIGN	36X36	9.0	2.5"	N.B.	
	69+00	X		W1-3-1	20 MPH	24X24	4.0		N.B.	MOUNT ON SAME POST
⑳	88+00		X	W1-2L W1-1R	LEFT CURVE SIGN	36X36	9.0	2.5"	S.B.	
	88+00		X	W1-3-1	30 MPH	24X24	4.0		S.B.	MOUNT ON SAME POST
㉑	90+90		X	W1-8	LEFT CHEVRON	18X24	3.0	2"	S.B.	
㉒	90+90		X	W1-8	RIGHT CHEVRON	18X24	3.0	2"	W.B.	
㉓	91+70		X	W1-8	LEFT CHEVRON	18X24	3.0	2"	S.B.	
㉔	91+70		X	W1-8	RIGHT CHEVRON	18X24	3.0	2"	W.B.	
㉕	92+75		X	W1-8	LEFT CHEVRON	18X24	3.0	2"	S.B.	
㉖	92+75		X	W1-8	RIGHT CHEVRON	18X24	3.0	2"	W.B.	
㉗	95+00	X		W1-2R W1-1K	RIGHT CURVE SIGN	36X36	9.0	2.5"	W.B.	
	95+00	X		W1-3-1	30 MPH	24X24	4.0		W.B.	MOUNT ON SAME POST
㉘	99+50	X		R2-1	SPEED LIMIT 35	30X36	7.5	2.5"	W.B.	
5A	52+00		X	W1-8	LEFT CHEVRON	18x24			E.B.	MOUNT ON POST #5
6A	53+25		X	W1-8	LEFT CHEVRON	18x24			E.B.	MOUNT ON POST #6
7A	54+10		X	W1-8	RIGHT CHEVRON	18x24			W.B.	MOUNT ON POST #7
8A	55+35		X	W1-8	RIGHT CHEVRON	18x24			W.B.	MOUNT ON POST #8
					TOTAL =	157 S.F.	161			

GENERAL SIGNING NOTES

1. SIGN LOCATIONS ARE APPROXIMATE ONLY AND ARE SUBJECT TO MINOR REVISIONS.
2. SEE STD. DWG. S-30.01 FOR POST SLEEVE TYPE SOIL EMBEDMENT.
3. ALL SIGN POSTS SHALL BE TELESCOPING PERFORATED GALVANIZED SQUARE STEEL POSTS, FABRICATED FROM SHEET STEEL ASTM A-446, GRADE D MIN.
4. ALL SIGNS SHALL BE .080" THICK EXCEPT AS NOTED IN THE STANDARD SIGN SCHEDULE. ALL SIGNS SHALL BE SHEET ALUMINUM ALLOY 6061-T6 OR 5052-H36 OR H38 PER SECTION 730.
5. ALL NEW SIGNS SHALL BE UNFRAMED EXCEPT AS NOTED IN THE STANDARD SIGN SCHEDULE.
6. ALL EXISTING SIGNS NOT BEING RELOCATED SHALL BE DISMANTLED BY THE CONTRACTOR AND STOCKPILED AT THE STATE OF ALASKA D.O.T./P.F. MAINTENANCE STATION AS DIRECTED BY THE ENGINEER.
7. SIGNS SHALL BE INSTALLED SO THAT THE BOTTOM OF THE SIGN PANEL IS 7 FEET ABOVE THE ROADWAY SURFACE.
8. SIGN LOCATIONS ARE DESIGNATED ON THE PLAN & PROFILE SHEETS BY SIGN NUMBER CORRESPONDING TO THOSE SHOWN IN THE SIGNING SUMMARY.

EXISTING SIGN SUMMARY

STATION	OFFSET		LEGEND	REMARKS
	LT.	RT.		
13+86		24'	SPEED LIMIT 35	REMOVE SIGN
23+32	27'		HAINES CITY LIMIT	REMOVE SIGN
49+24		25'	20 MPH	REMOVE SIGN
57+27	26'		20 MPH	REMOVE SIGN
60+28	37'		WELCOME TO BEAR CREEK CAMP	SIGN TO REMAIN
63+12		20'	20 MPH	REMOVE SIGN
68+73	26'		20 MPH	REMOVE SIGN
73+65	34'		BERT'S GROOM & BOARD	SIGN TO REMAIN
98+31	18'		PAVEMENT ENDS	REMOVE SIGN
99+43	28'		SPEED LIMIT 35	REMOVE SIGN
88+00		X	LEFT CURVE SIGN	REMOVED @ ENGINEERS REQUEST
95+00	X		LEFT CURVE SIGN	REMOVED @ ENGINEERS REQUEST

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

PATH: P:\HNS\71400\DR\SIGNSUM PLOT.PCP(1) OR PLOT.PCP(2)

BY: DATE: DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

HAINES

SMALL TRACTS ROAD
REHABILITATION & PAVING
STP-0003(25) ~ 71400
SIGNING SUMMARIES

ALASKA

DESIGNED BY:
W.J. HOLBROOK

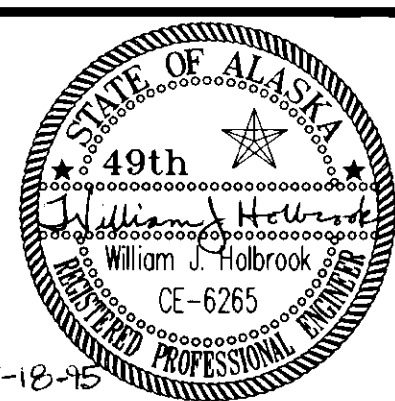
PROJECT NO.
71400

DRAWN BY:
K. KLEMMETSON

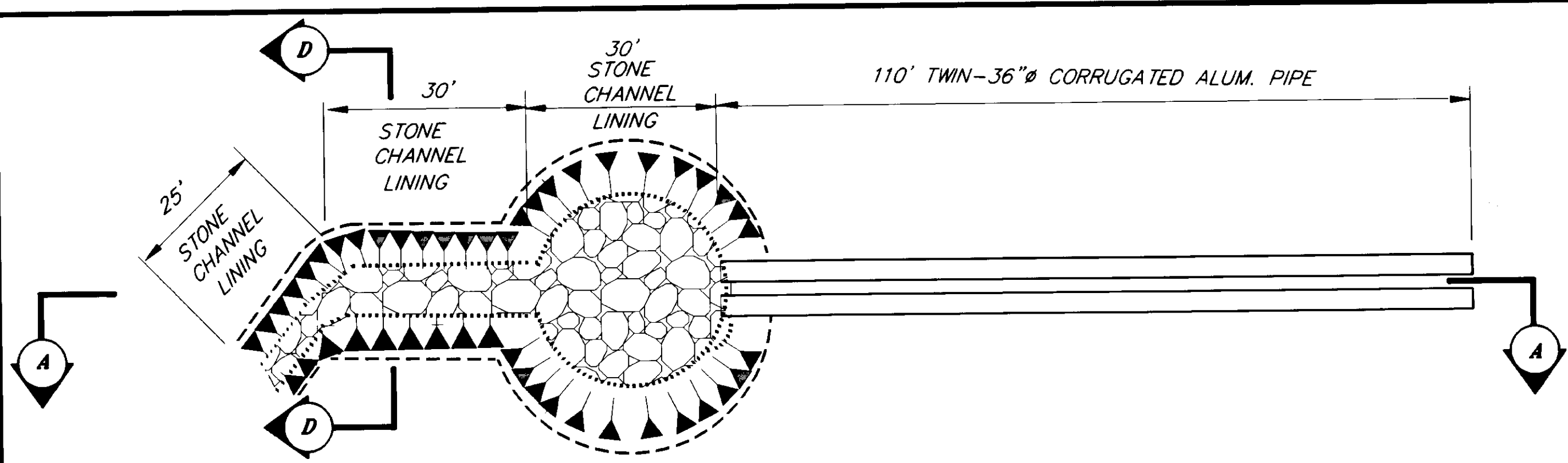
DATE:
1995

CHECKED BY:
W.J. HOLBROOK

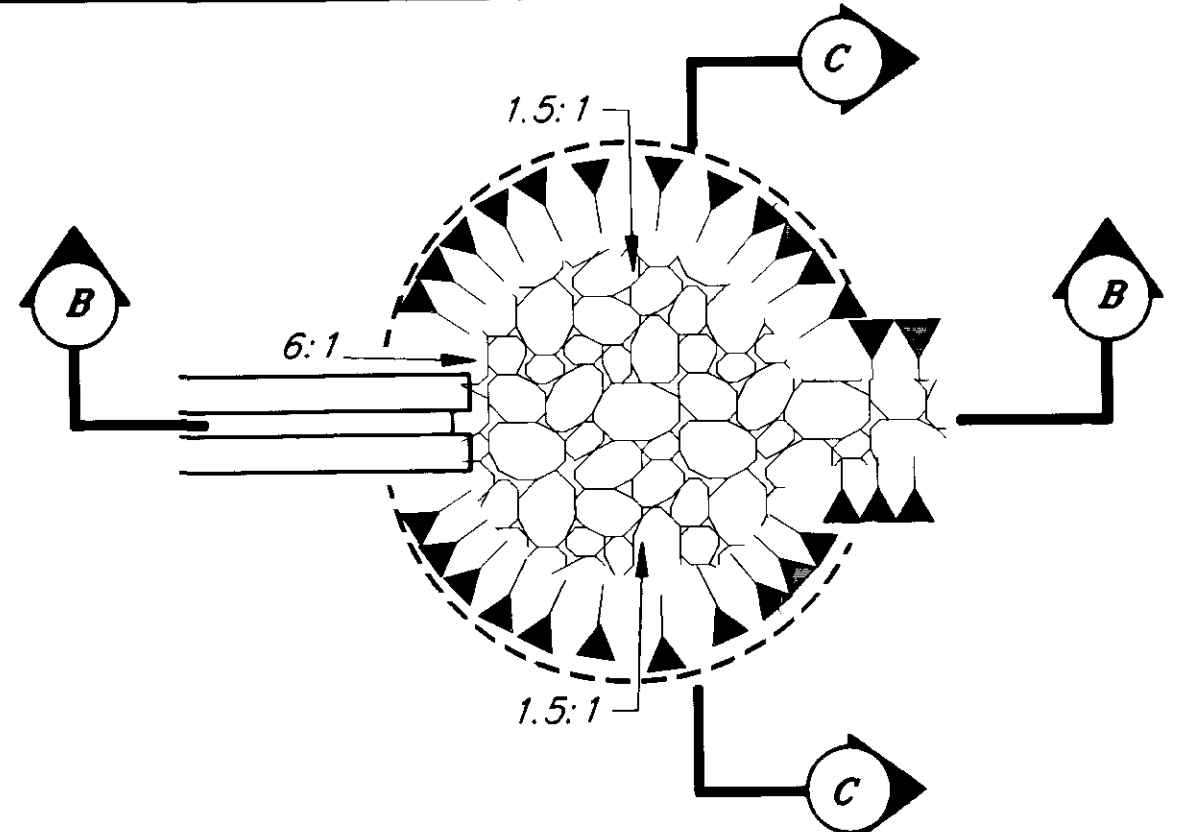
SHEET 22 OF 30



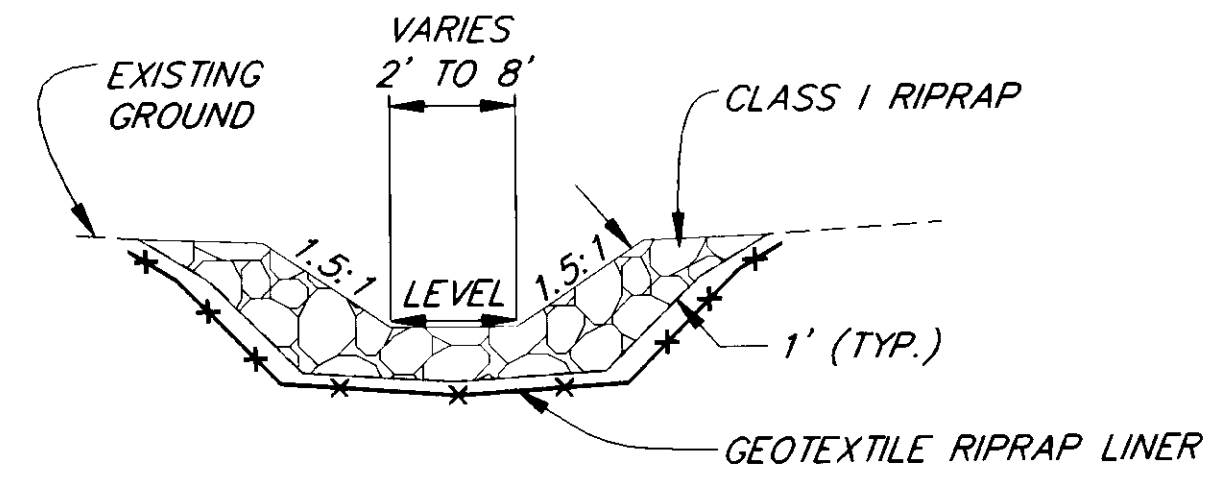
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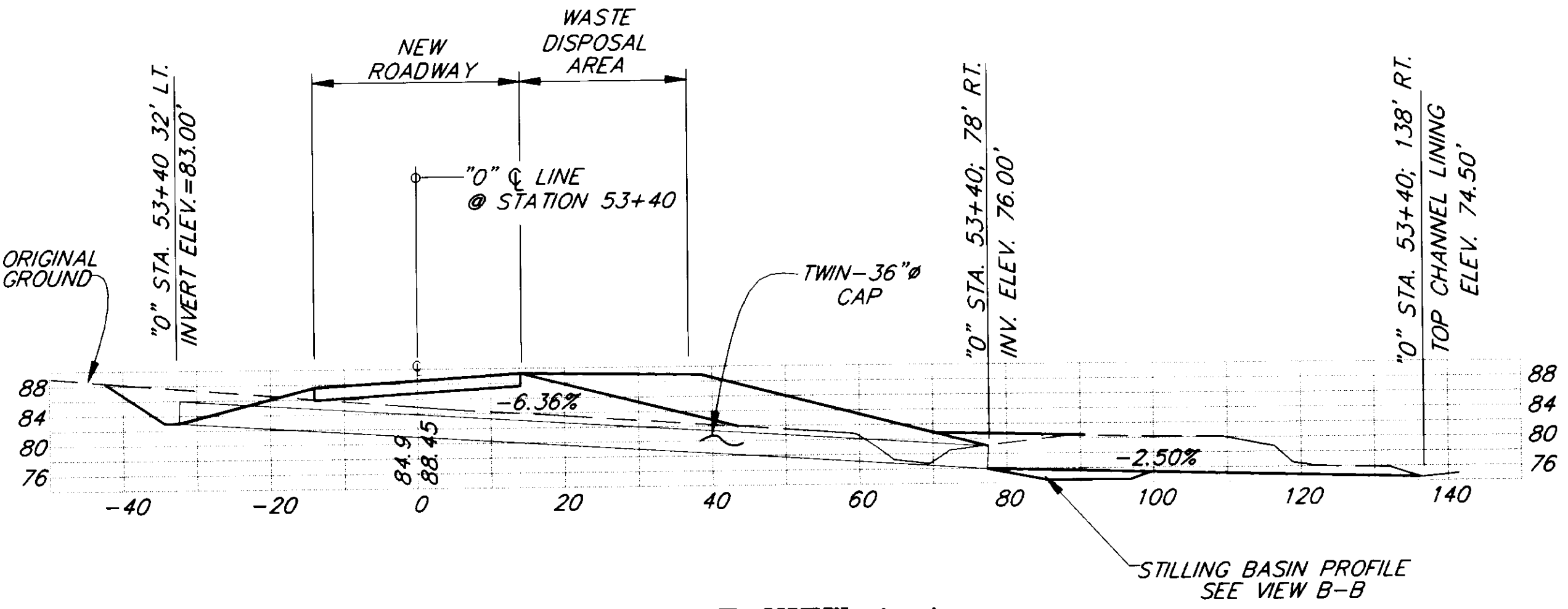
**CHANNEL - STILLING BASIN
PIPE PLAN @ "0" STATION 53+40 RT.**



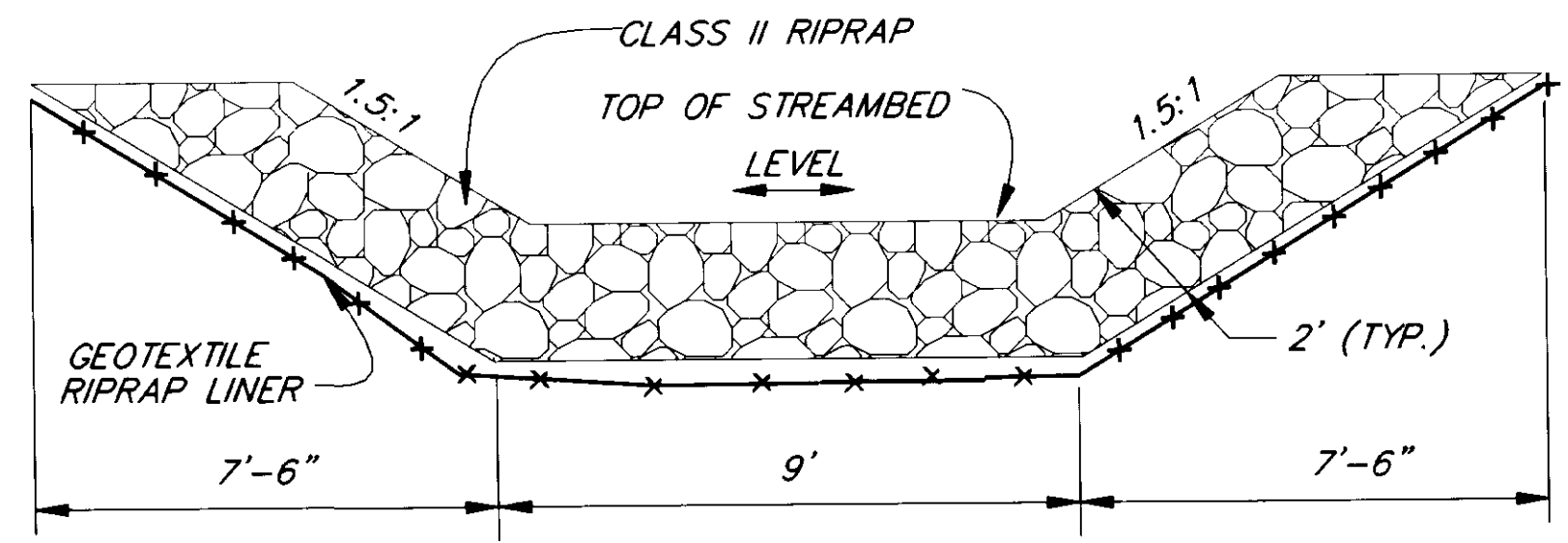
STILLING BASIN PLAN



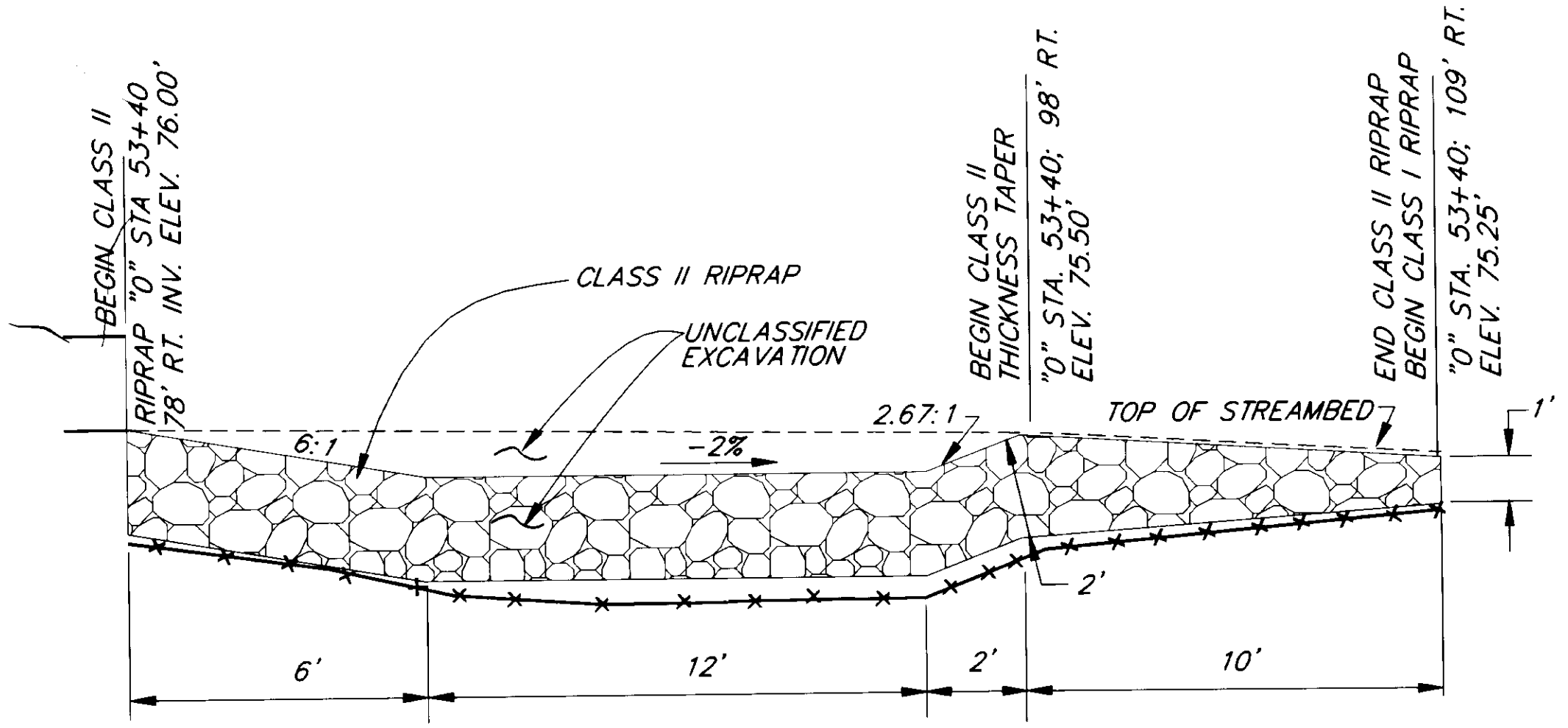
**VIEW D-D
STONE CHANNEL LINING DETAIL**



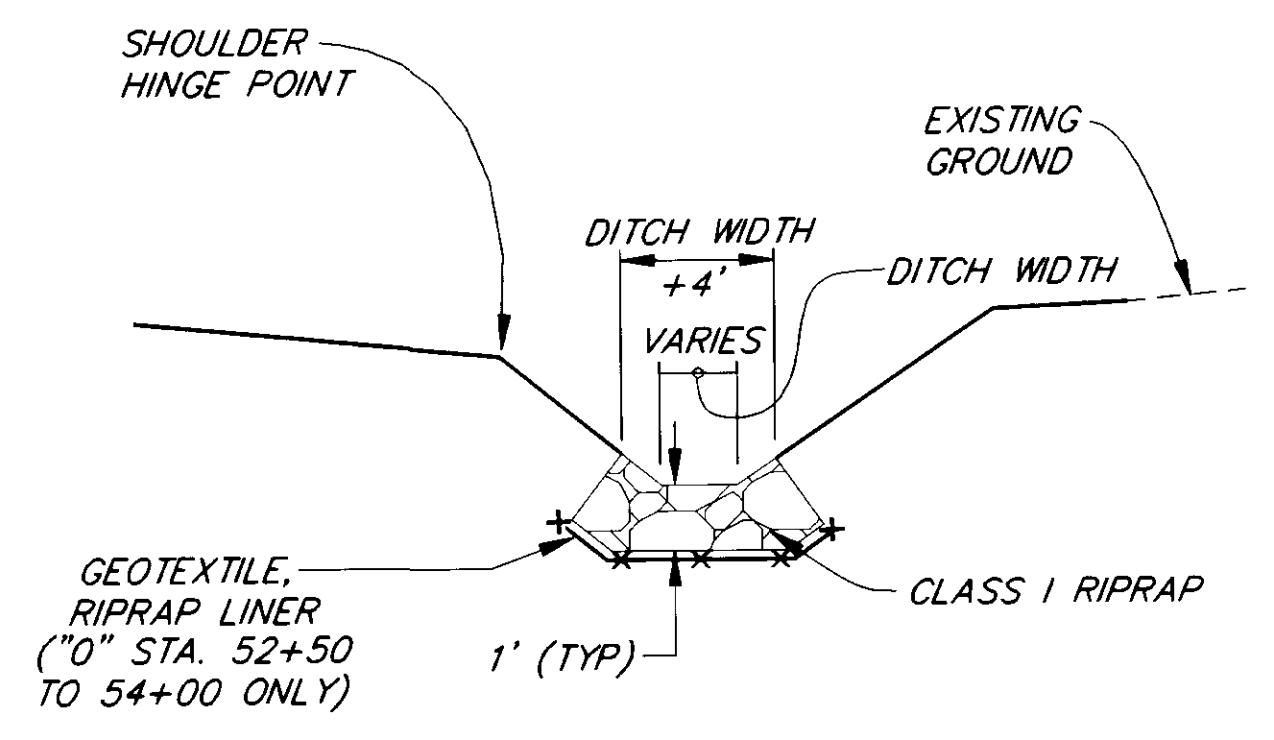
PROFILE VIEW A-A



**SECTION C-C
STILLING BASIN**



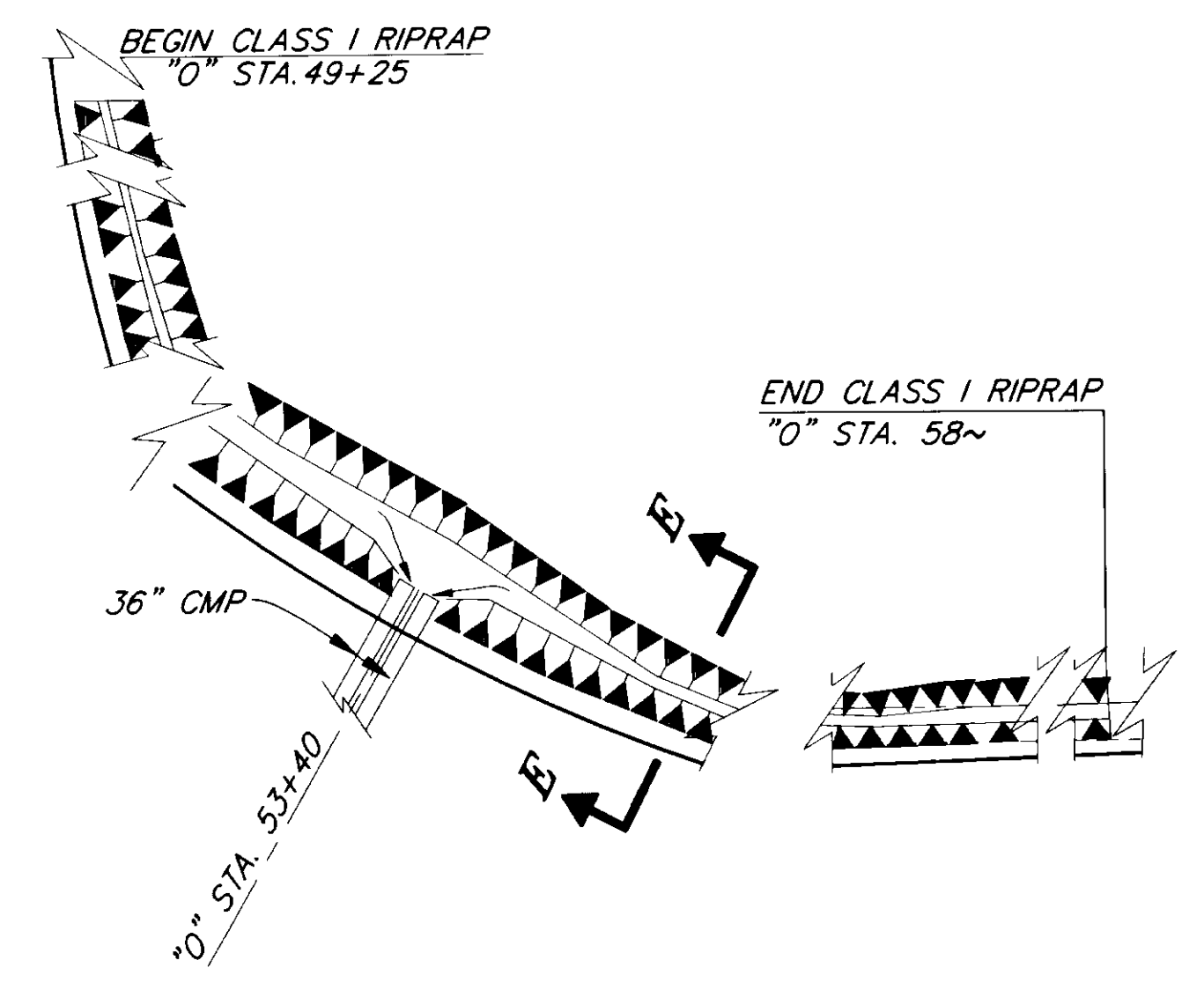
**SECTION B-B
STILLING BASIN**



**VIEW E-E
INLET DITCH LINING**

- GENERAL NOTES**
1. STILLING BASIN SHALL BE CONSTRUCTED AS SHOWN USING CLASS II RIPRAP.
 2. ALL OTHER CHANNEL LININGS SHALL BE CLASS I RIPRAP. THICKNESSES AS SHOWN.
 2. SEE STILLING BASIN PLAN LOCATION SHEET 12.

QUANTITY SUMMARY					
DESCRIPTION	STATION	OFFSET	QUANTITY	UNIT	REMARKS
CLASS I RIPRAP	53+40	LT.	270		
" " "	53+40	RT.	60		
" " "	101+00	LT.	220		
			TOTAL =	550	C.Y.
CLASS II RIPRAP	53+40	RT.	75		
			TOTAL =	75	C.Y.
RIPRAP LINER	53+40	LT.	70		
" " "	53+40	RT.	200		
" " "	101~	LT.	800		
" " "	101+50		560		SEE TYP. SHEET 3
			TOTAL	1,630	S.Y.
DRAIN ROCK	101~		660		
			TOTAL	660	C.Y.



**INLET DITCH LINING PLAN
@ "0" STA. 49+25 TO 58+00 LT.**

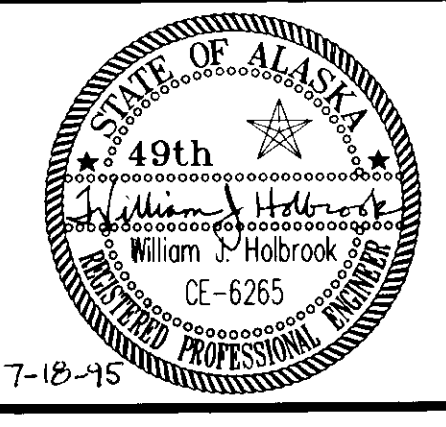
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

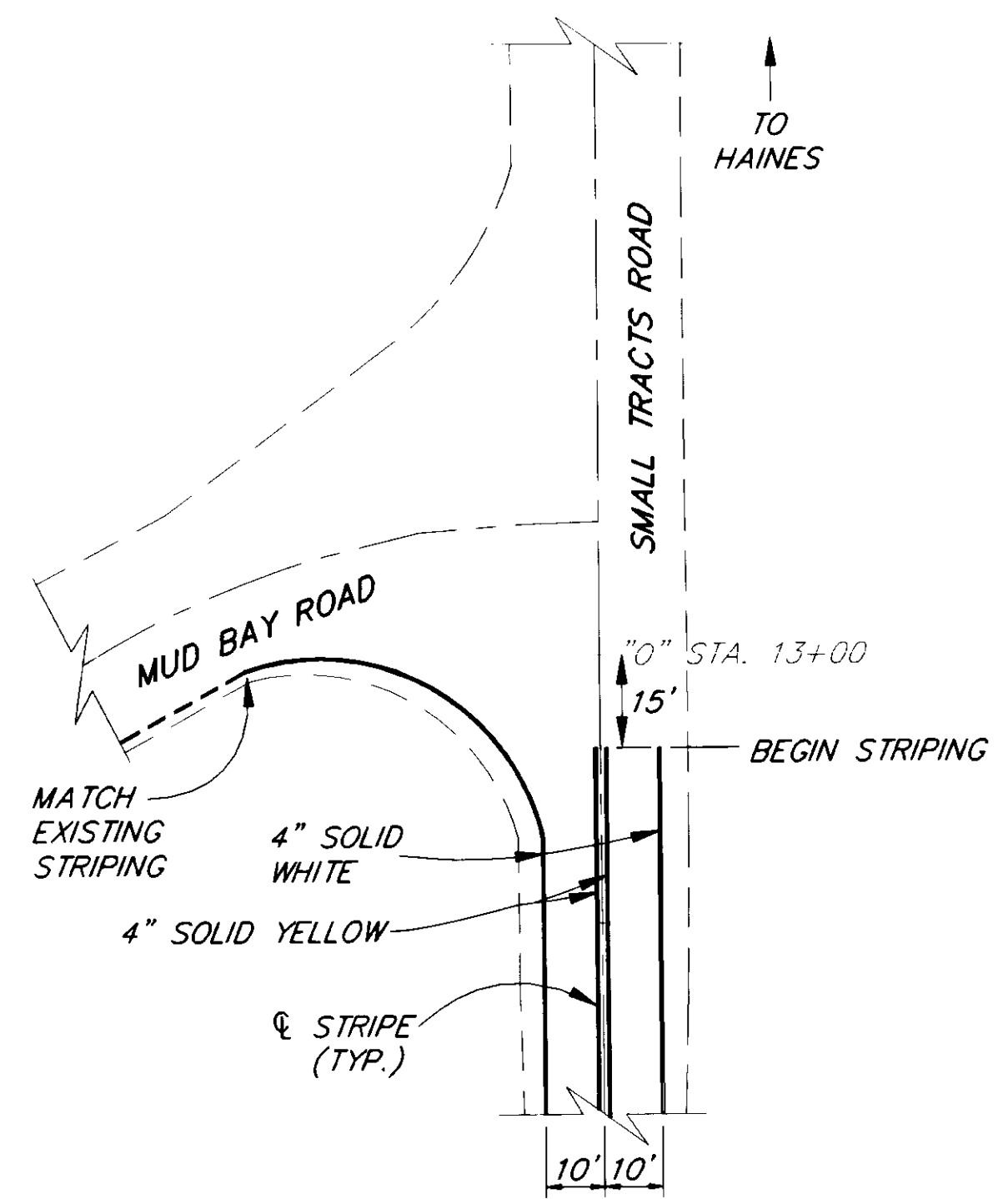
RECORD OF REVISIONS		
NO.	DATE	DESCRIPTION OF CHANGE

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

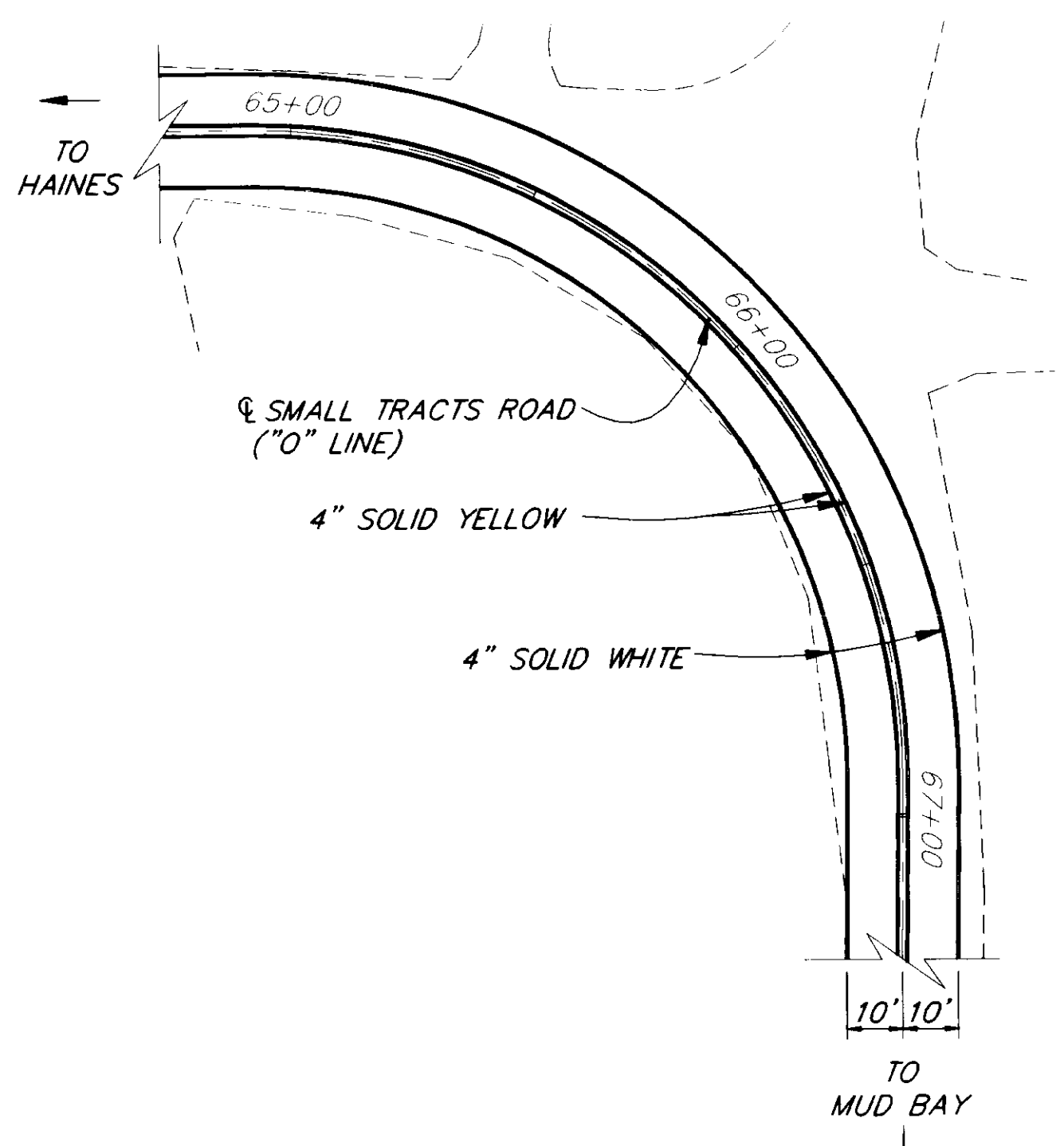
HAINES
SMALL TRACTS ROAD
REHABILITATION & PAVING
STP-0003(25) ~ 71400
MISCELLANEOUS DETAILS

DESIGNED BY: W.J. HOLBROOK	PROJECT NO. 71400
DRAWN BY: K. SNYDER	DATE: 1995
CHECKED BY: C.N. MORROW	SHEET 23 OF 30

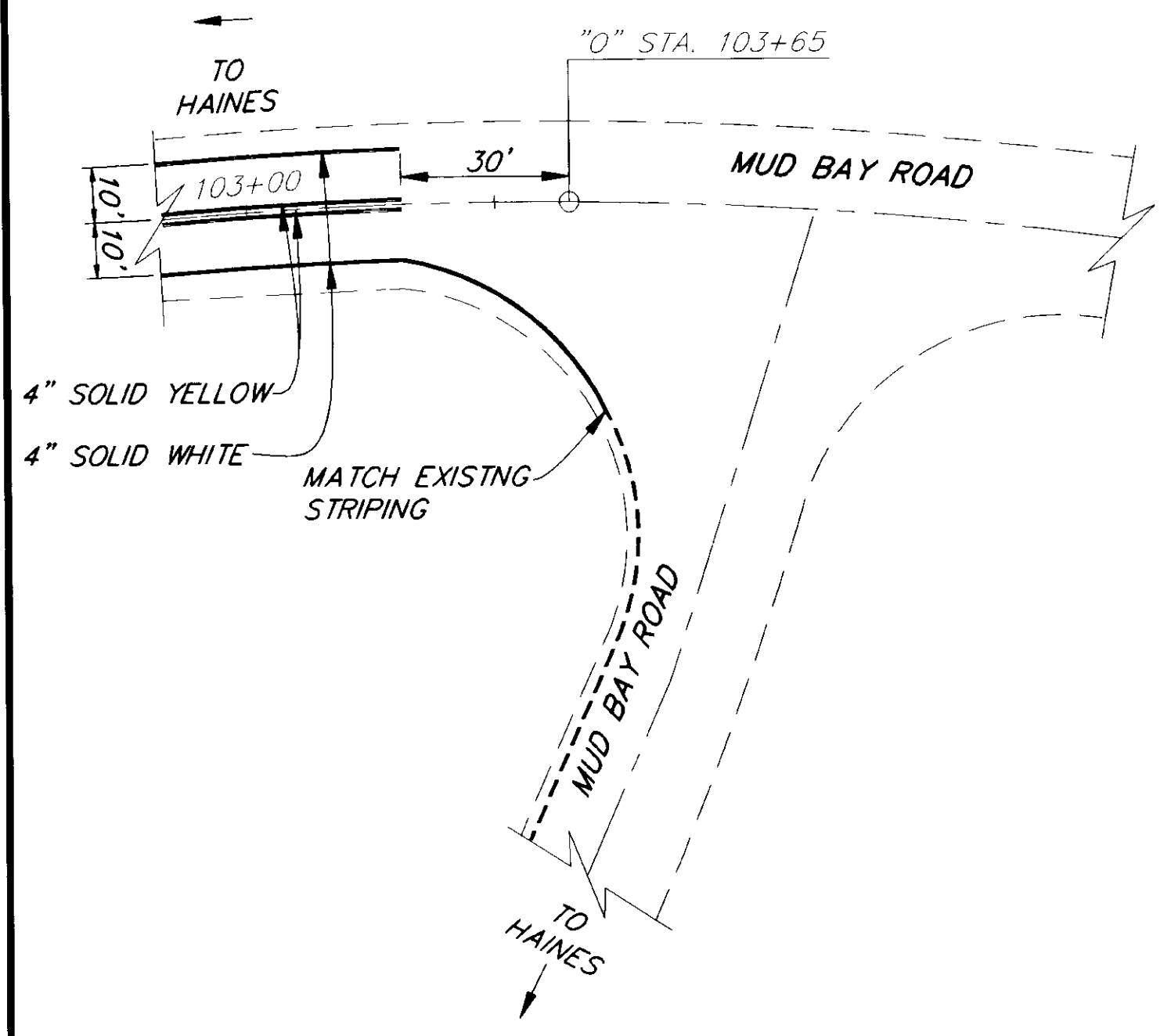




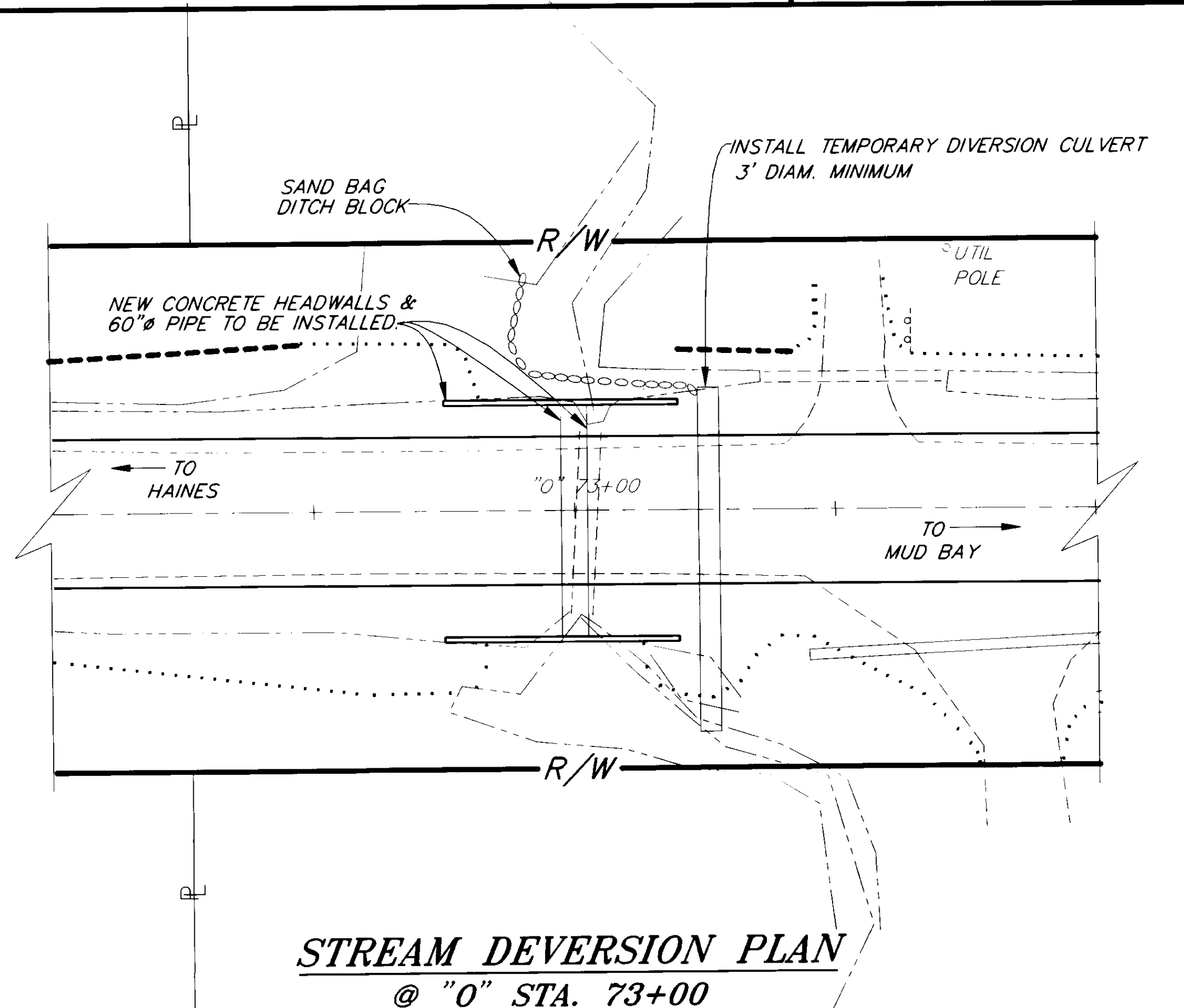
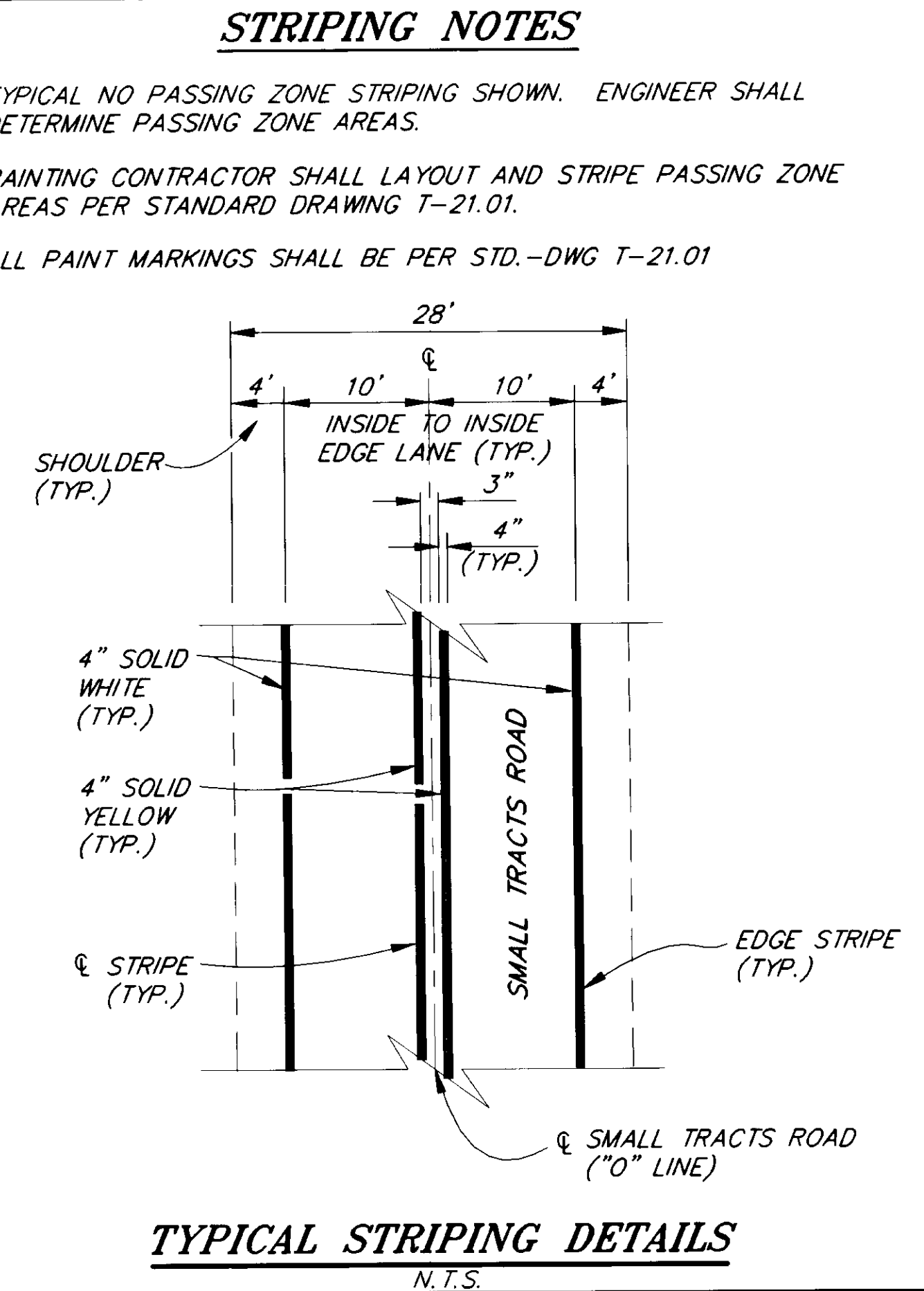
(NORTH END)
SMALL TRACTS ROAD - MUD BAY ROAD
 INTERSECTION STRIPING PLAN



SMALL TRACTS ROAD - "0" STA. 66+00
 INTERSECTION STRIPING PLAN

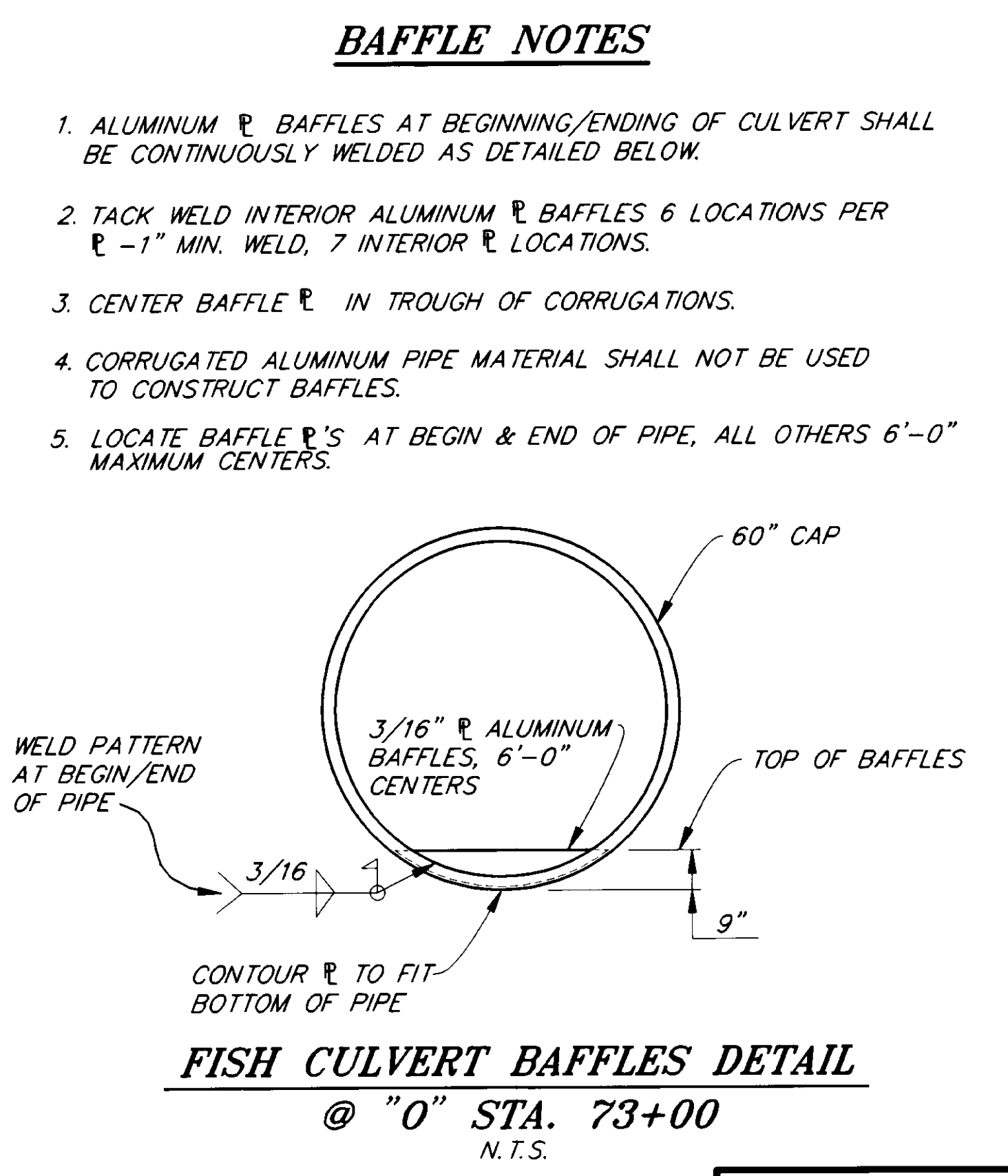
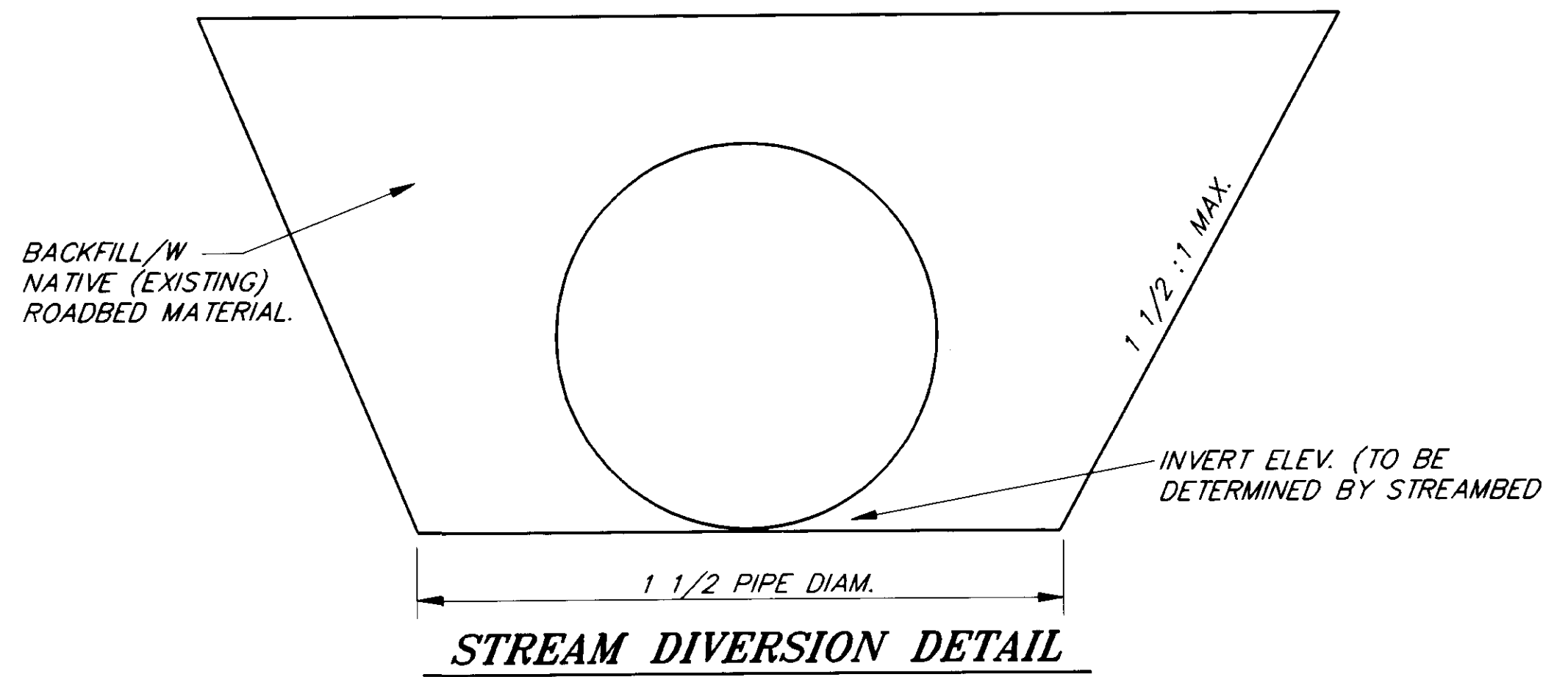


(SOUTH END)
SMALL TRACTS ROAD - MUD BAY ROAD
 INTERSECTION STRIPING PLAN



STREAM DEVERSION PLAN
 @ "0" STA. 73+00

- STREAM DIVERSION NOTES**
1. ONE MILE CREEK IS AN ANADROMOUS FISH STREAM. WATER QUALITY AND FLOW SHALL BE MAINTAINED ENVIRONMENTAL COMMITMENTS REQUIRE NO IN-STREAM WORK BE DONE IN THIS STREAM OTHER THAN BETWEEN AUGUST 15 AND SEPTEMBER 30. SEE FISH HABITAT PERMIT APPENDIX A FOR FURTHER EXPLANATION.
 2. A 3' MINIMUM CULVERT MAY BE USED FOR STREAM DIVERSION WORK IN THE EVENT PUMPING AS DESCRIBED BELOW IS NOT USED. OTHER ALTERNATIVE STREAM BY-PASS OPTIONS SUCH AS OPEN DITCH OR LINED FLUME WITH PLATE COVER ARE ACCEPTABLE PROVIDED TRAFFIC CAN BE MAINTAINED SUBJECT TO RESTRICTIONS OF SECTION 643.
 3. ALL WORK AREAS WITH FLOWING WATER MUST BE DEWATERED BY PUMPING, OR STREAM DIVERTED. IF TRENCH WATER IS PUMPED, EFFLUENT (DISCHARGE) MUST BE RELEASED TO A VEGETATED AREA, AT LEAST 50' FROM THE FISH STREAM. SEE DEPARTMENT'S BEST MANAGEMENT PRACTICES MANUAL FOR FURTHER DESCRIPTION.
 4. ONCE HEADWALLS & NEW 60" PIPE ARE INSTALLED & SLOPES GROOMED, DIVERSION PIPE AND SAND BAGS SHALL BE REMOVED.



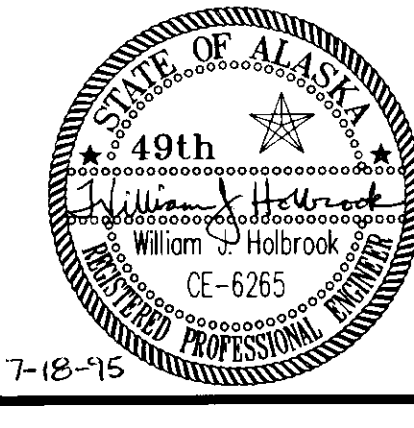
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

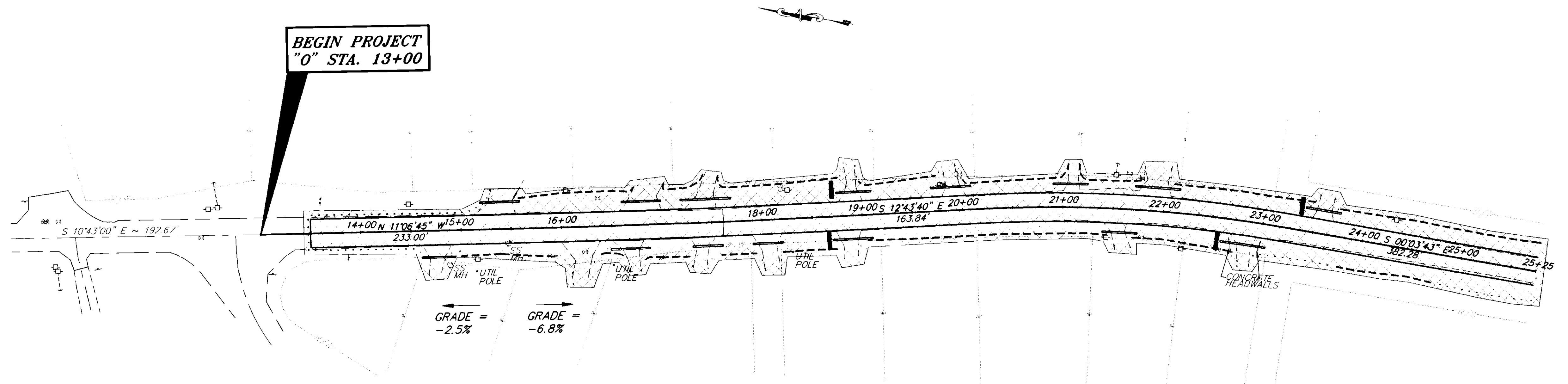
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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

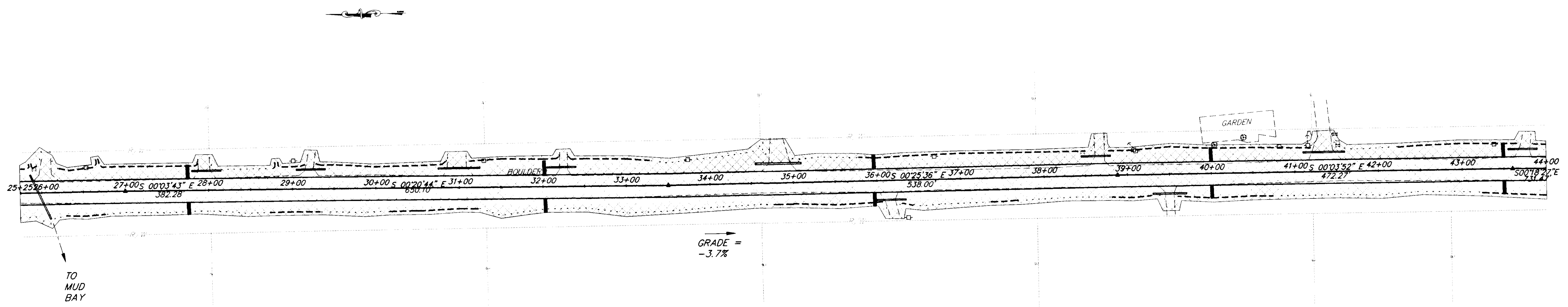
HAINES
 ALASKA
 SMALL TRACTS ROAD
 REHABILITATION & PAVING
 STP-0003(25) ~ 71400
MISCELLANEOUS DETAILS

DESIGNED BY:	PROJECT NO.
W.J. HOLBROOK	71400
DRAWN BY:	DATE:
K. SNYDER	1995
CHECKED BY:	SHEET 24 OF 30
C.N. MORROW	7-18-95





LEGEND	
STRAW BALE	—
SILT FENCE	—
AREA OF DISTURBANCE	▨



NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

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BY:	DATE:	DESCRIPTION OF CHANGE:

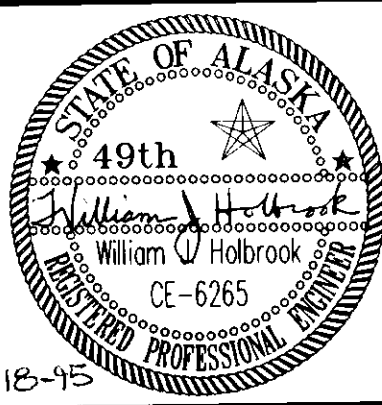
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

HAINES

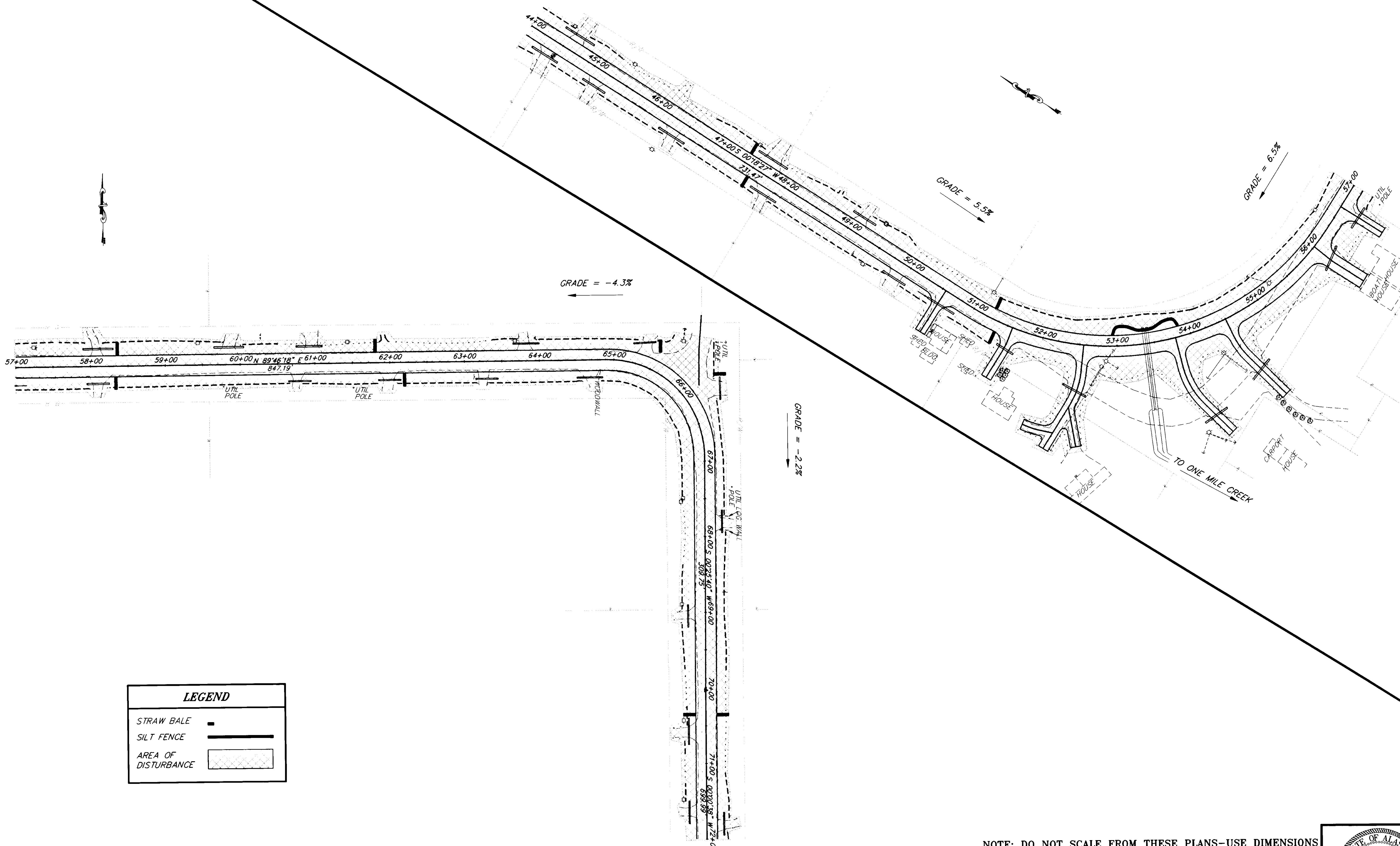
SMALL TRACTS ROAD
 REHABILITATION & PAVING
 STP-0003(25) ~ 71400
EROSION AND SEDIMENT CONTROL PLANS
 B.O.P. "0" STA. 13+00 TO "0" STA. 44+00

ALASKA

DESIGNED BY:	PROJECT NO.
W.J. HOLBROOK	71400
DRAWN BY:	DATE:
K. SNYDER	1995
CHECKED BY:	SHEET 25 OF 30
C.N. MORROW	7-18-95



RECORD OF REVISIONS



LEGEND	
STRAW BALE	-
SILT FENCE	—
AREA OF DISTURBANCE	▨

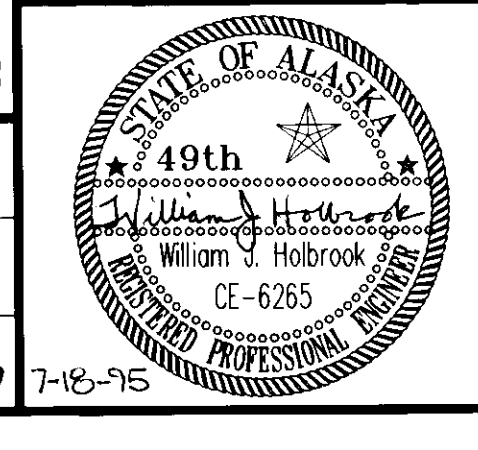
NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

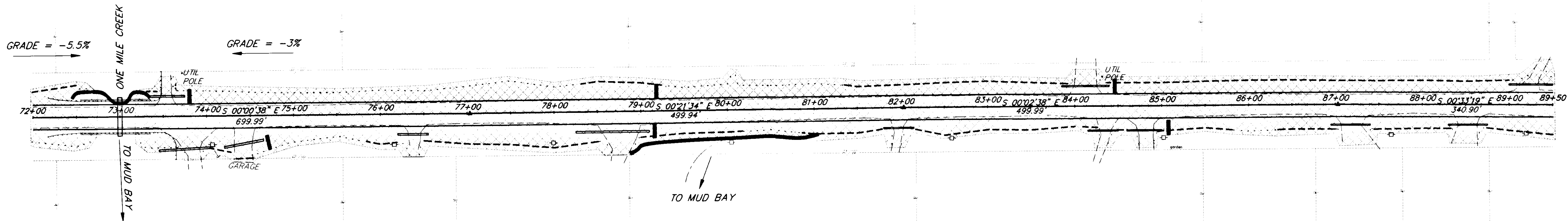
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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

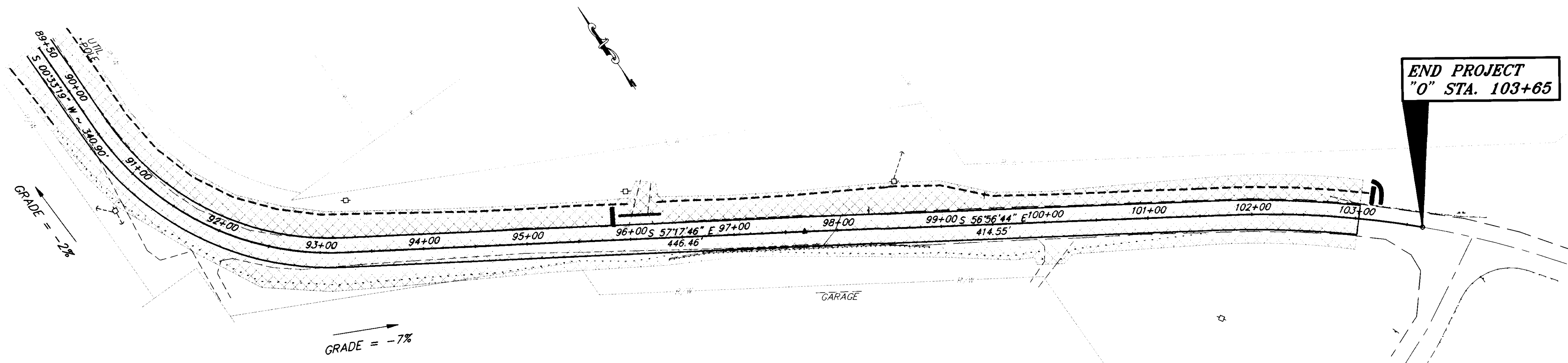
HAINES ALASKA
 SMALL TRACTS ROAD
 REHABILITATION & PAVING
 STP-0003(25) ~ 71400
EROSION AND SEDIMENT CONTROL PLANS
 "0" STA. 44+00 TO "0" STA. 72+00

DESIGNED BY:	PROJECT NO.
W.J. HOLBROOK	71400
DRAWN BY:	DATE:
K. SNYDER	1995
CHECKED BY:	SHEET 26 OF 30
C.N. MORROW	





LEGEND	
STRAW BALE	-
SILT FENCE	—
AREA OF DISTURBANCE	[Hatched Box]



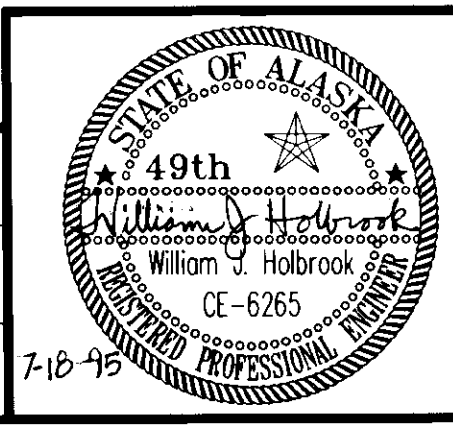
NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

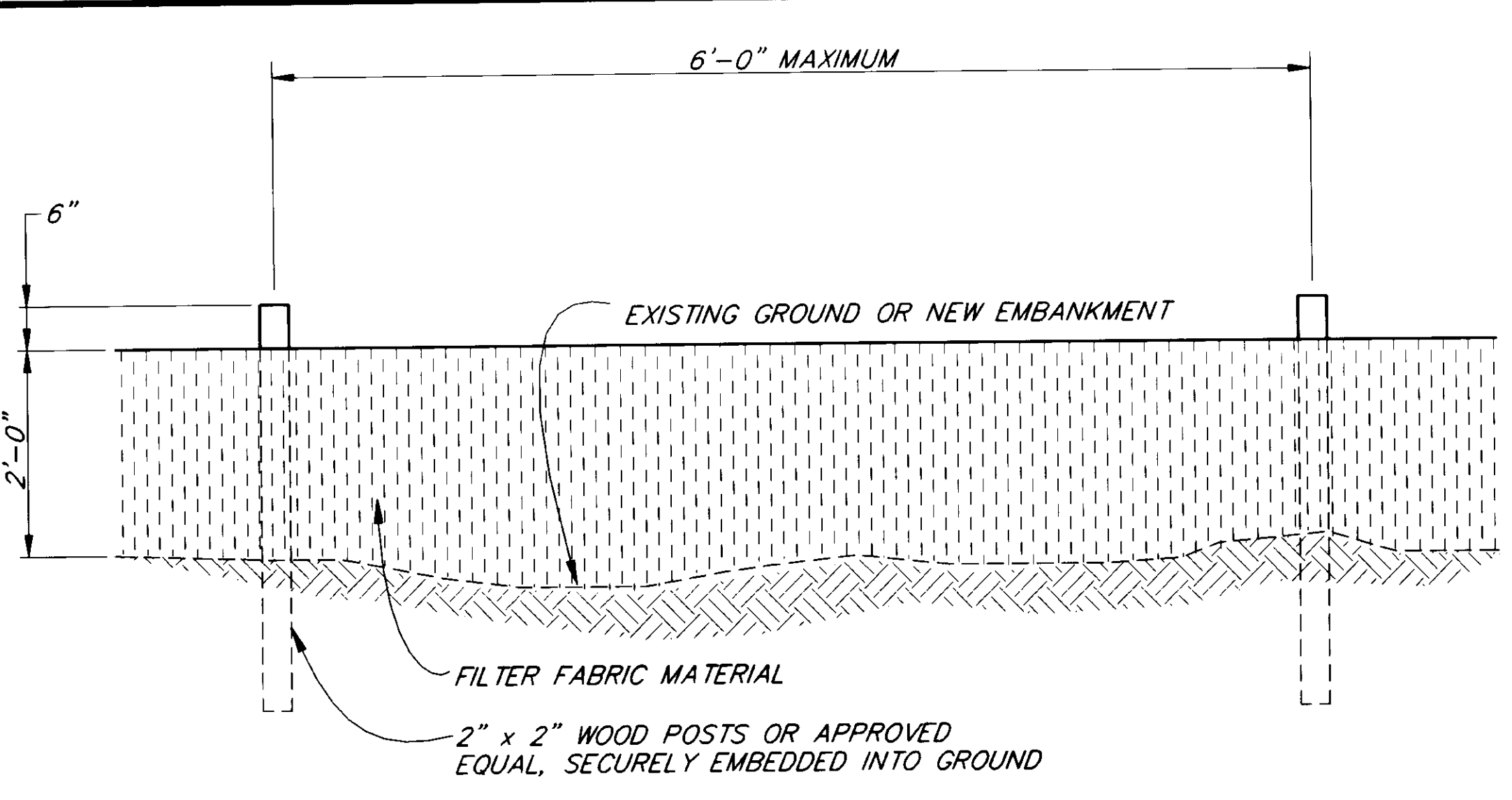
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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

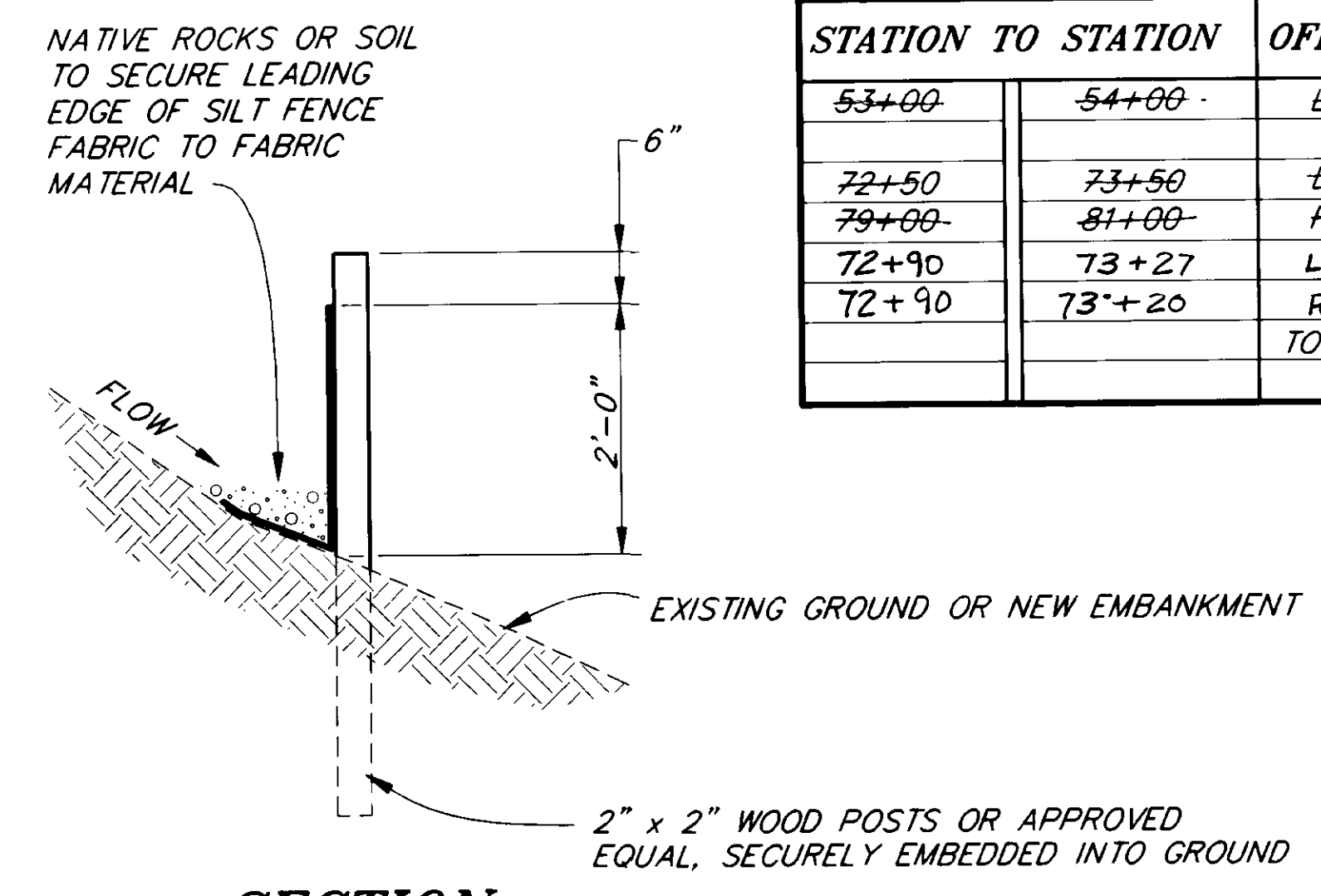
HAINES ALASKA
 SMALL TRACTS ROAD
 REHABILITATION & PAVING
 STP-0003(25) ~ 71400
EROSION AND SEDIMENT CONTROL PLANS
 "O" STA. 72+00 TO E.O.P. "O" STA. 103+65

DESIGNED BY: W.J. HOLBROOK	PROJECT NO. 71400
DRAWN BY: K. SNYDER	DATE: 1995
CHECKED BY: C.N. MORROW	SHEET 27 OF 30





ELEVATION

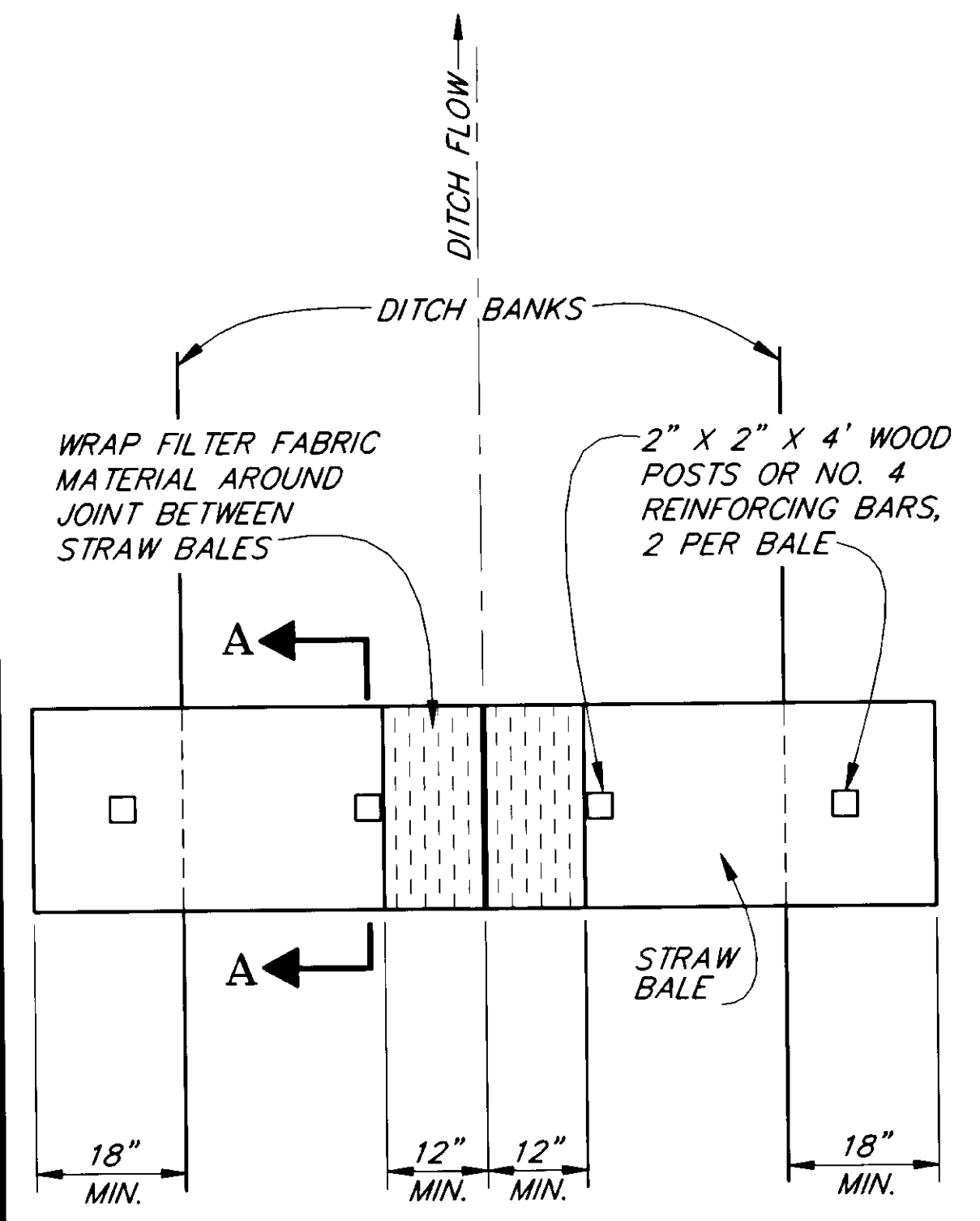


SECTION

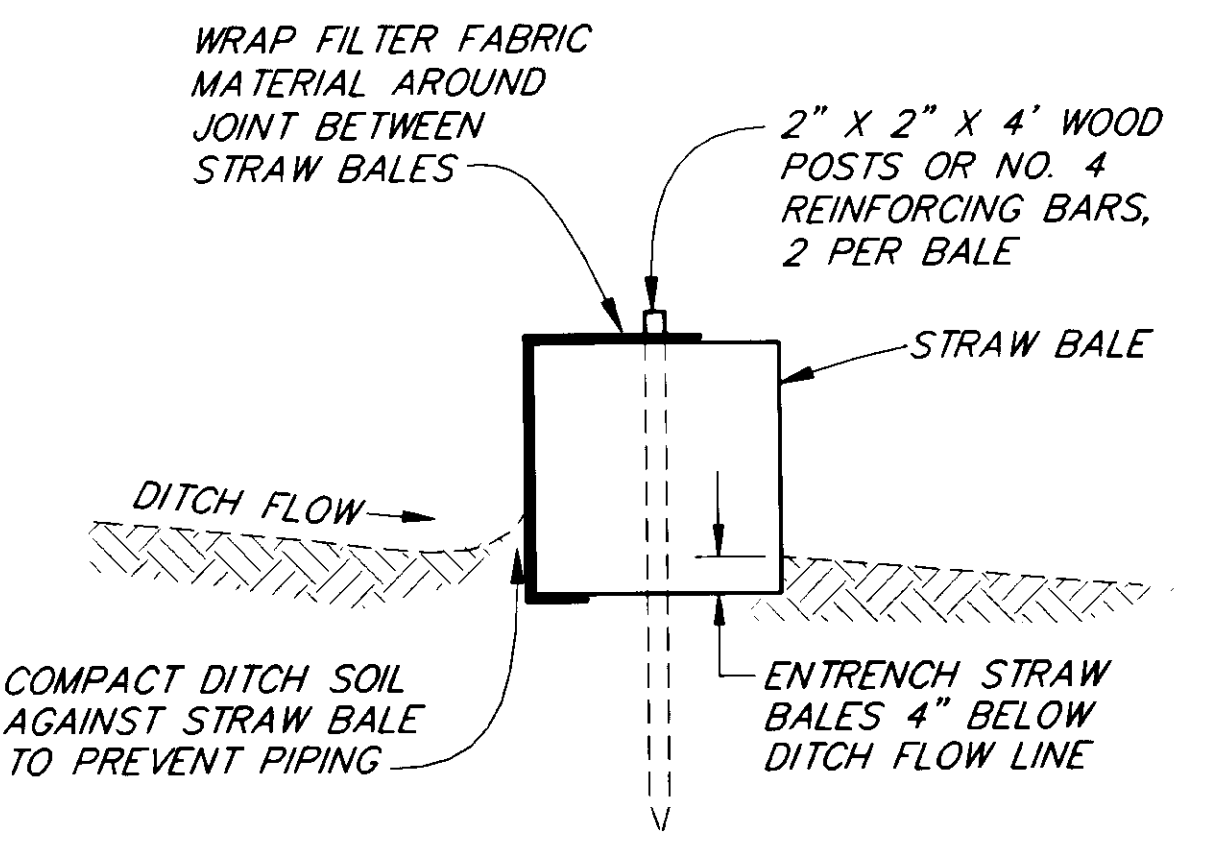
SILT FENCE DETAILS

SILT FENCE SUMMARY				
STATION TO	STATION	OFFSET	L.F. REQ'D.	REMARKS
53+00	54+00	LT.	+100'	NOT USED
72+50	73+50	LT.	+100'	NOT USED
79+00	81+00	RT.	200'	NOT USED
72+90	73+27	LT.	37	
72+90	73+20	RT.	30	
			TOTAL =	400 L.F.
				67

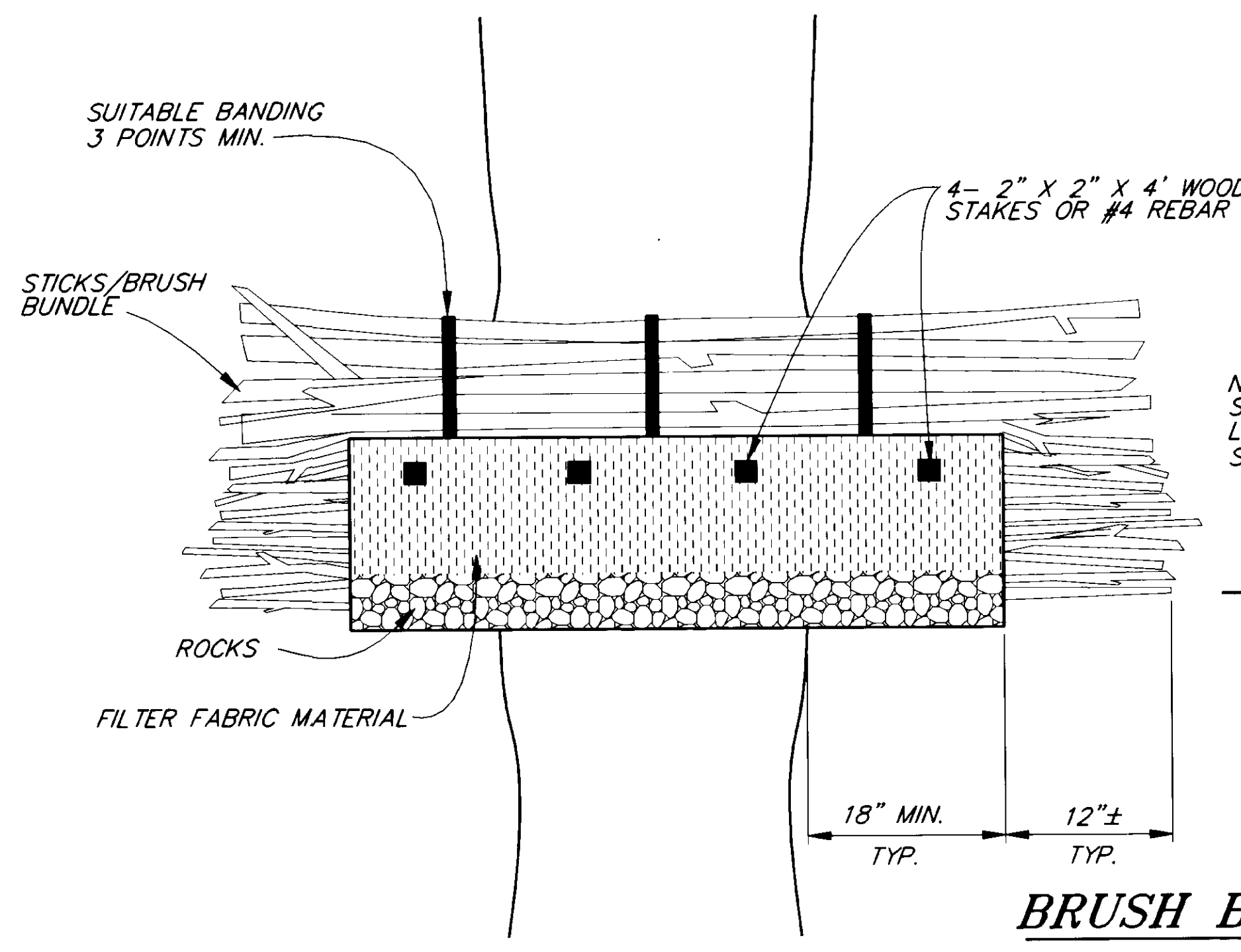
STRAW BALE BRUSH BUNDLE SUMMARY				
STATION	OFFSET	No. BALES REQUIRED	REMARKS	
48+80	LT. & RT.	4	NOT USED	
22+50	RT.	2	NOT USED	
23+40	LT.	2	NOT USED	
27+80	LT. & RT.	4	NOT USED	
32+00	LT. & RT.	4	NOT USED	
36+00	LT. & RT.	4	NOT USED	
40+00	LT. & RT.	4	NOT USED	
43+50	LT. & RT.	4	NOT USED	
47+40.25	LT. & RT.	4	NOT USED	
51+30	LT. & RT.	4	NOT USED	
58+40.00	LT. & RT.	4	NOT USED	
61+90	LT.	2	NOT USED	
62+10	RT.	2	NOT USED	
65+50	LT.	2	NOT USED	
66+00	LT.	2	NOT USED	
7370+40	LT. & RT.	4	NOT USED	
73+70.75	LT.	2	NOT USED	
74+70	RT.	2	NOT USED	
79+20	LT. & RT.	4	NOT USED	
97.84+50.50	LT.	2	NOT USED	
85+10	RT.	2	NOT USED	
95+90	LT.	2	NOT USED	
101+60	LT.	2	NOT USED	
		TOTAL =	68	



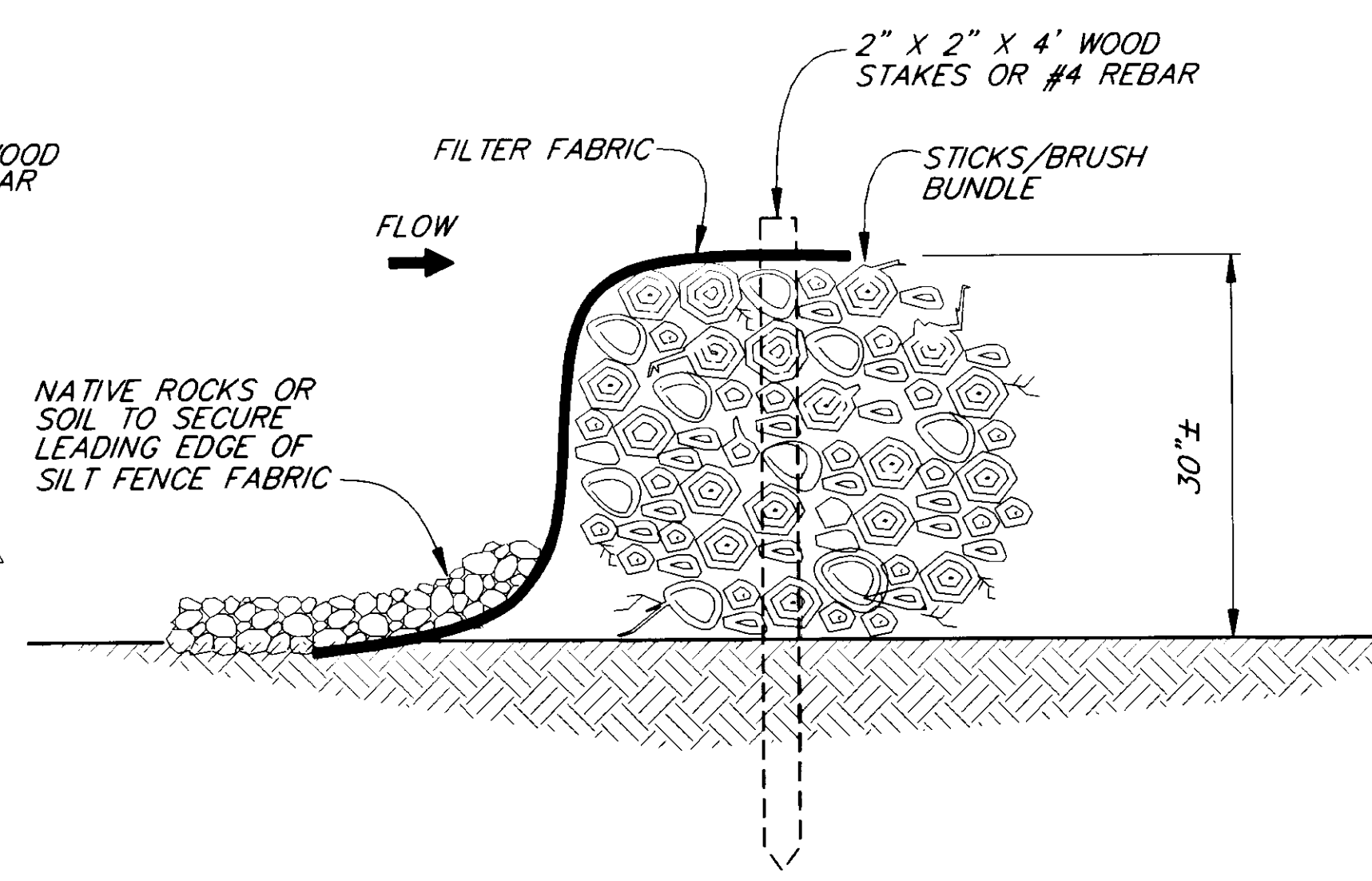
PLAN



SECTION



BRUSH BUNDLE ALTERNATE



SECTION

TYPICAL STRAW BALE SEDIMENT CONTROL FILTER INSTALLATION DETAILS

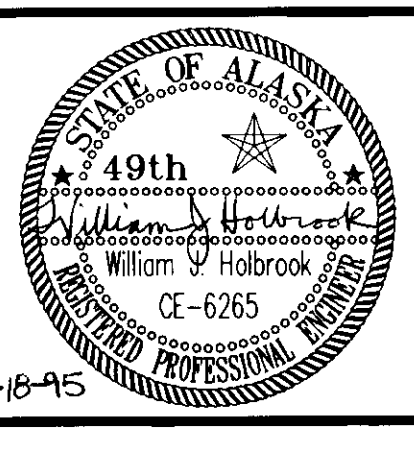
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: P:\HNS\71400\DR\DET3 PLOT.F.PCP(1) OR PLOT.H.PCP(2)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

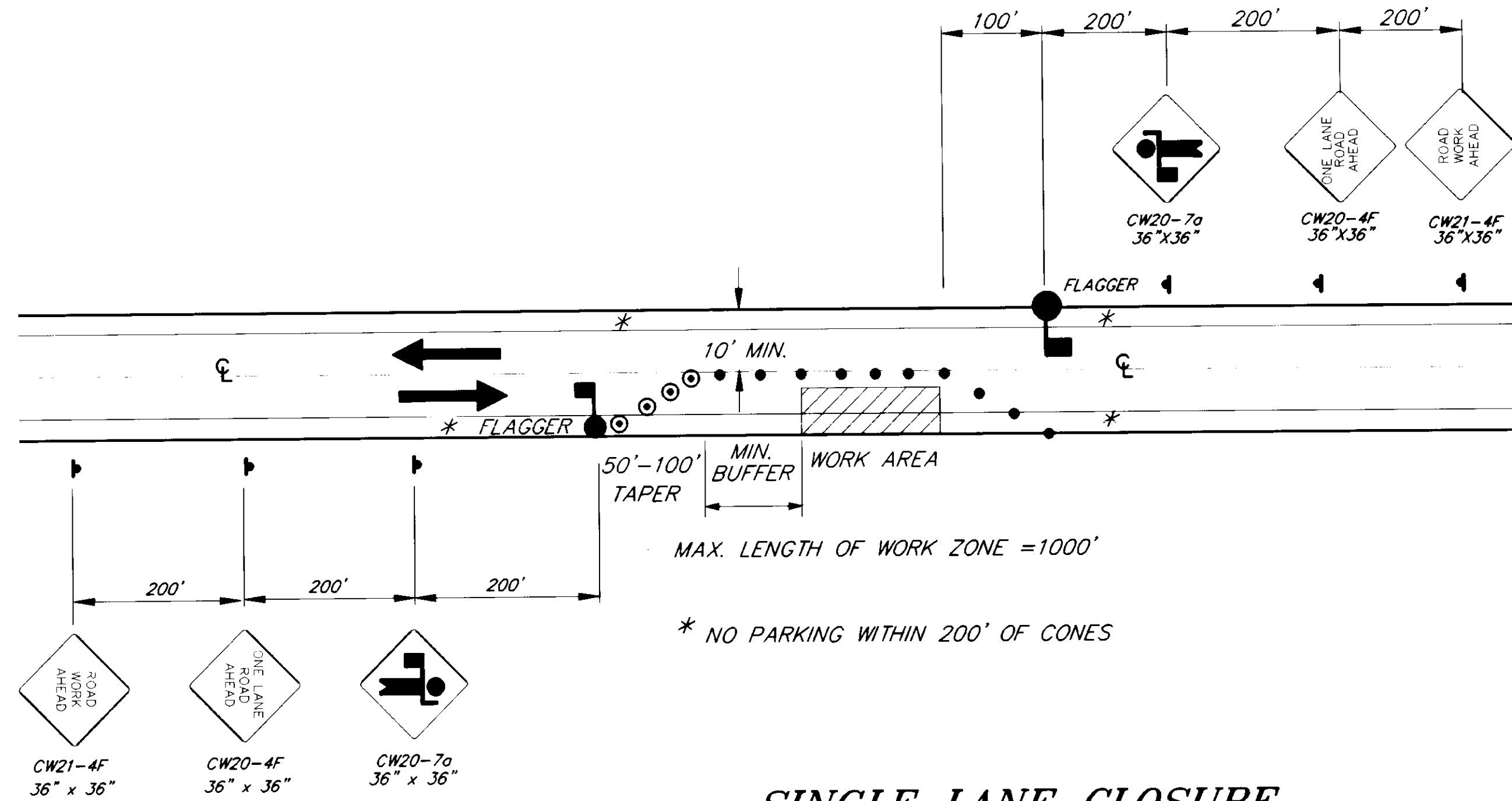
HAINES
 SMALL TRACTS ROAD REHABILITATION & PAVING
 STP-0003(25) ~ 71400
 ALASKA
EROSION AND SEDIMENT CONTROL DETAILS

DESIGNED BY:	PROJECT NO.
W.J. HOLBROOK	71400
DRAWN BY:	DATE:
KK/BA/CA	1995
CHECKED BY:	SHEET 28 OF 30
C.N. MORROW	7-18-95



TRAFFIC CONTROL NOTES

1. TWO LANES SHALL BE MAINTAINED AT ALL TIMES IN NON-WORK AREAS AND DURING NON-WORKING HOURS.
2. TEMPORARY DRIVING LANES SHALL HAVE A MINIMUM WIDTH OF 10'-0".
3. CONSTRUCTION SIGNING SHALL BE IN PLACE ONLY WHEN THE CONDITIONS EXIST FOR WHICH THE SIGNS ARE INTENDED.
4. TEMPORARY PAVEMENT MARKINGS WILL BE REQUIRED AS DESCRIBED IN SECTION 643-3.04 OF THE SPECIFICATIONS.
5. FLOOD LIGHTS SHALL BE PROVIDED FOR FLAGGER STATIONS DURING NIGHT OPERATIONS.
6. A SINGLE FLAGGER MAY BE APPROVED BY THE ENGINEER IF THE ENTIRE WORK AREA IS LESS THAN 300' AND VISIBLE FROM THE FLAGGER STATION.
7. CHANNELIZATION DEVICES IF USED AT NIGHT SHALL BE LIT IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL.
8. THE MAXIMUM LENGTH OF A ONE LANE, TWO-WAY WORK AREA SHALL BE 2500 FT. THE MINIMUM SEPARATION BETWEEN ONE LANE WORK AREAS SHALL BE 1000 FT.
9. DRIVEWAYS MAY BE CLOSED DURING ACTUAL WORK ON A GIVEN DRIVEWAY, PROVIDED THAT THE CLOSURE DOES NOT EXCEED 8 HOURS AND THE AFFECTED RESIDENTS HAVE BEEN GIVEN 24 HOURS NOTICE OF THE CLOSURE.
10. IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME, NOT ALL, OF THE TRAFFIC CONTROL SETUPS WHICH WILL BE REQUIRED ON THIS PROJECT. PLANS FOR CONFIGURATIONS NOT COVERED BY THE TCP SHALL BE CREATED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL. WHERE APPROPRIATE, THEY SHALL INCORPORATE APPLICABLE PORTIONS OF DETAILS ON THESE SHEETS.



**SINGLE LANE CLOSURE
TWO LANE ROAD**

LEGEND

- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION

FORMULAS FOR L (TAPER LENGTH)

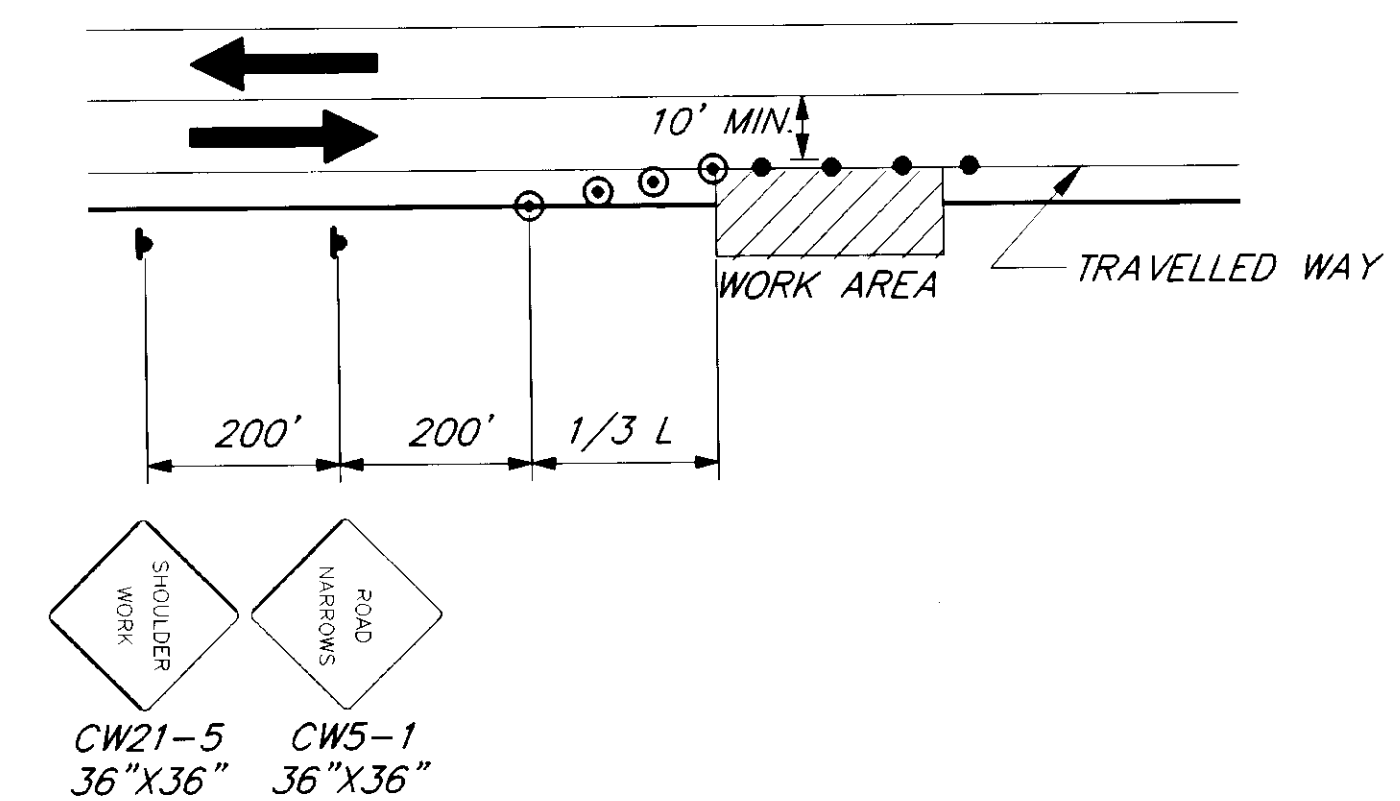
40 MPH OR LESS $L = \frac{W \times S^2}{60}$

45 MPH OR GREATER $L = W \times S$

WHERE W= WIDTH OF OFFSET
S= POSTED SPEED LIMIT

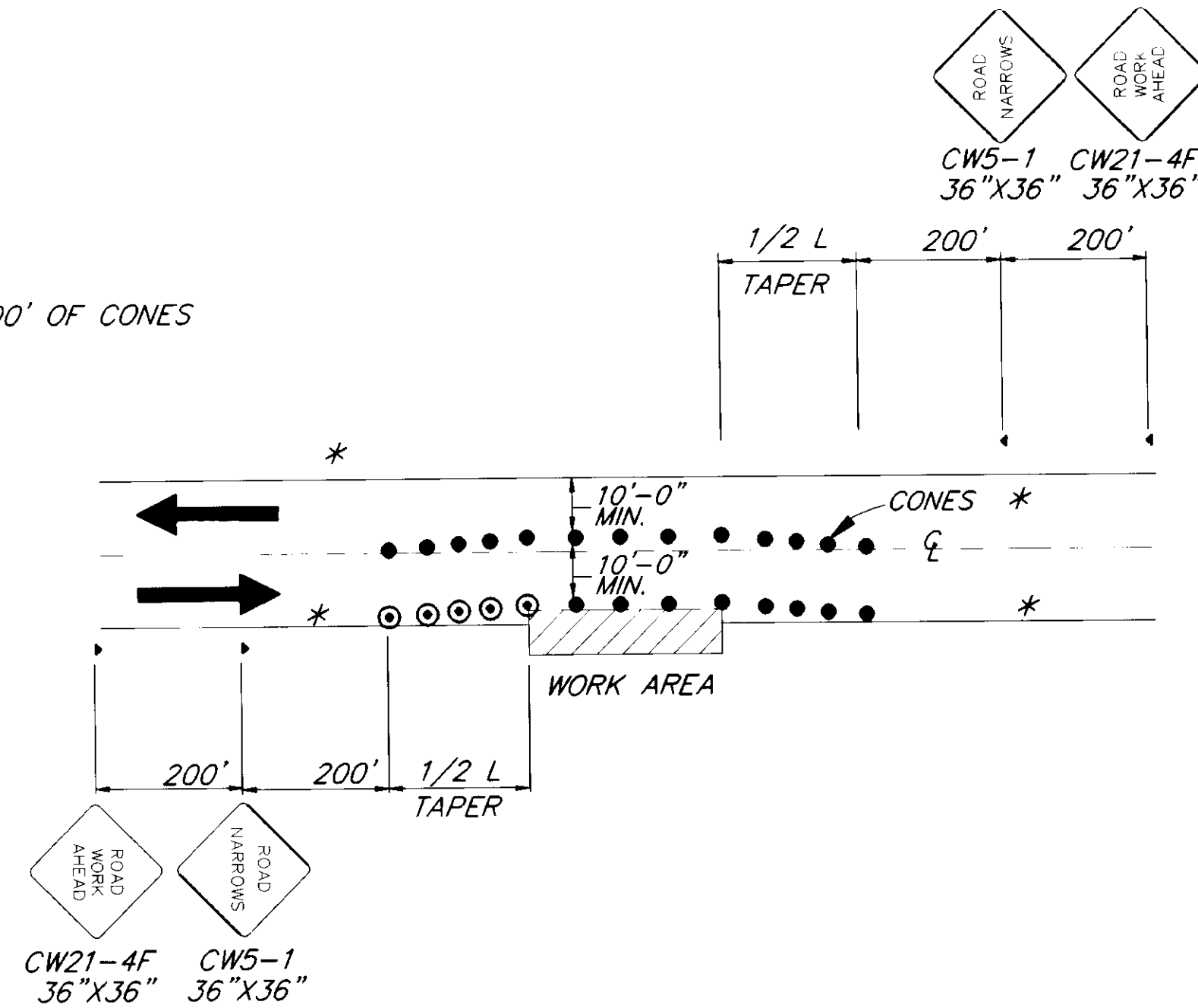
DRUM OR CONE SPACING = S (IN FEET)

MIN. BUFFER S	LENGTH
20	35
25	55
30	85
35	120
40	170
45	220
50	280
55	335
60	415
65	485



SHOULDER WORK

* NO PARKING WITHIN 200' OF CONES



ROADWAY ENCROACHMENT

NOTE: IF ONLY ONE LANE IS EFFECTED BY ROAD WORK (THAT IS, THE CONES ALONG THE WORK AREA ARE NO CLOSER THAN 10' TO CENTERLINE) THE CENTERLINE CONES FOR THE OPPOSING LANE MAY BE DELETED.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: P:\HNS\71400\1-TCP1 < PLOT1.PCP(1) OR PLOT1.PCP(2) >

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

HAINES

SMALL TRACTS ROAD
REHABILITATION & PAVING
STP-0003(25) ~ 71400

ALASKA

TRAFFIC CONTROL PLAN

DESIGNED BY:
K. MATTSON

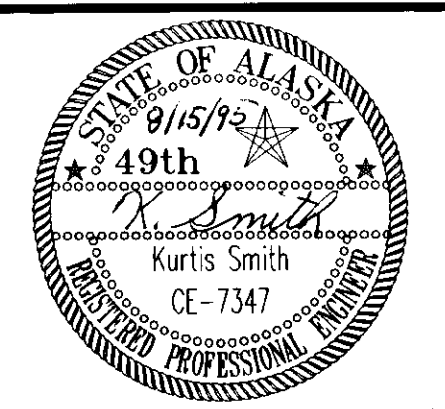
DRAWN BY:
K. MATTSON

CHECKED BY:
K. SMITH

PROJECT NO.
71400

DATE:
1995

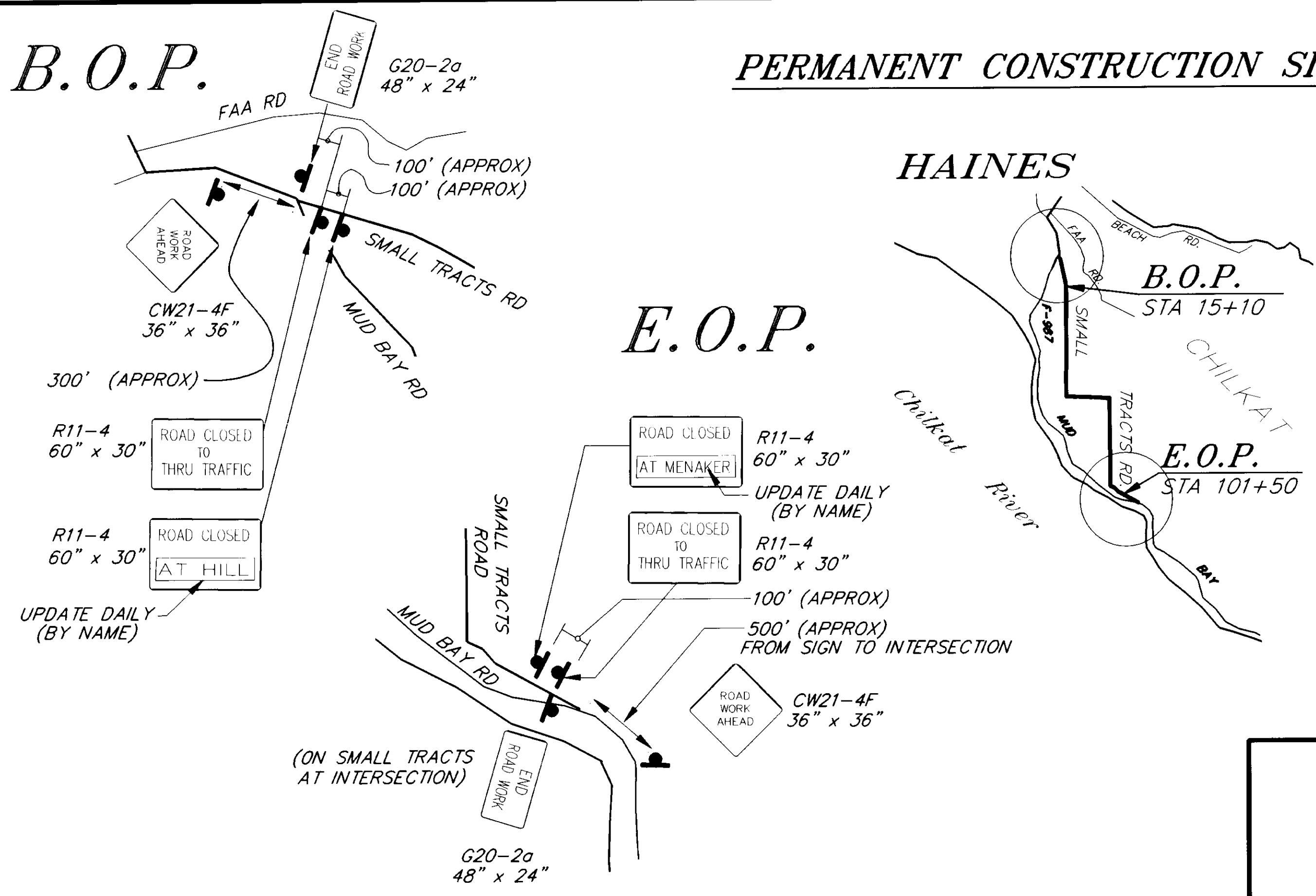
SHEET 29 OF 30



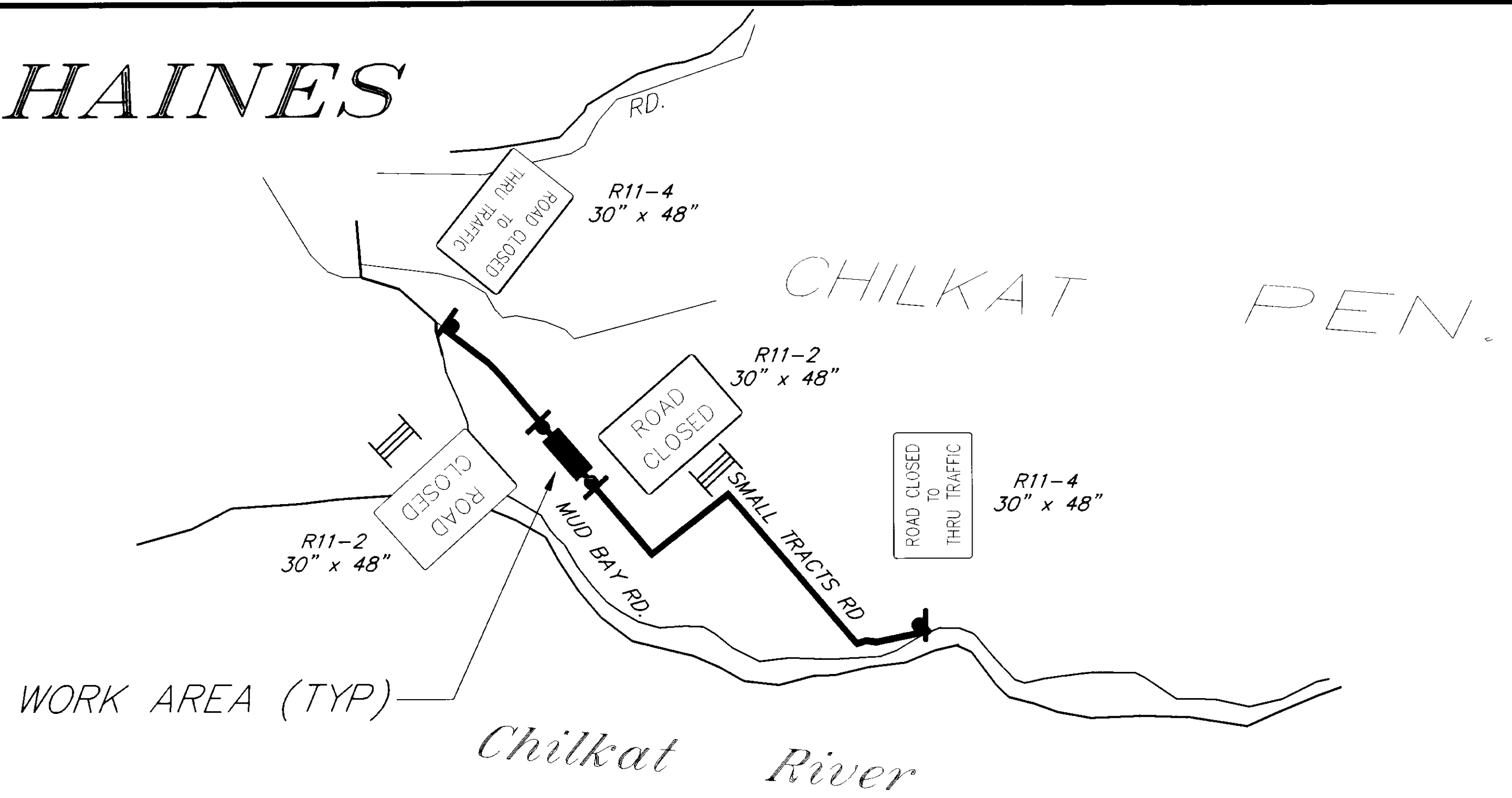
B.O.P.

PERMANENT CONSTRUCTION SIGNING

HAINES



E.O.P.



TYPICAL ROAD CLOSURE

LEGEND

- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION

FORMULAS FOR L (TAPER LENGTH)

40 MPH OR LESS $L = \frac{W \times S^2}{60}$

45 MPH OR GREATER $L = W \times S$

WHERE W= WIDTH OF OFFSET
S= POSTED SPEED LIMIT

DRUM OR CONE SPACING = S (IN FEET)

MIN. BUFFER	
S	LENGTH
20	35
25	55
30	85
35	120
40	170
45	220
50	280
55	335
60	415
65	485

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: P:\HNS\11400\DR\1-TCP2 < PLOT.PCP(1) OR PLOT.PCP(2) >		
BY:	DATE:	DESCRIPTION OF CHANGE:
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

HAINES

SMALL TRACTS ROAD
REHABILITATION & PAVING
STP-0003(25) ~ 71400
TRAFFIC CONTROL PLAN

ALASKA

DESIGNED BY: K. MATTSON	PROJECT NO. 71400
DRAWN BY: K. MATTSON	DATE: 1995
CHECKED BY: K. SMITH	SHEET 30 OF 30

