

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

JUNEAU, ALASKA

**GLACIER SPUR ROAD
GLACIER SPUR BIKE PATH
GRADING, DRAINAGE & PAVING
PROJECT NO. TE-0966(19)/71521**

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-3	TYPICAL SECTIONS
4	ESTIMATE OF QUANTITIES & GENERAL NOTES
5	MISCELLANEOUS DETAILS & SUMMARIES
6-11	PLAN AND PROFILE SHEETS
12	ENVIRONMENTAL DETAILS
13	TRAFFIC CONTROL PLAN & SIGNING SUMMARY

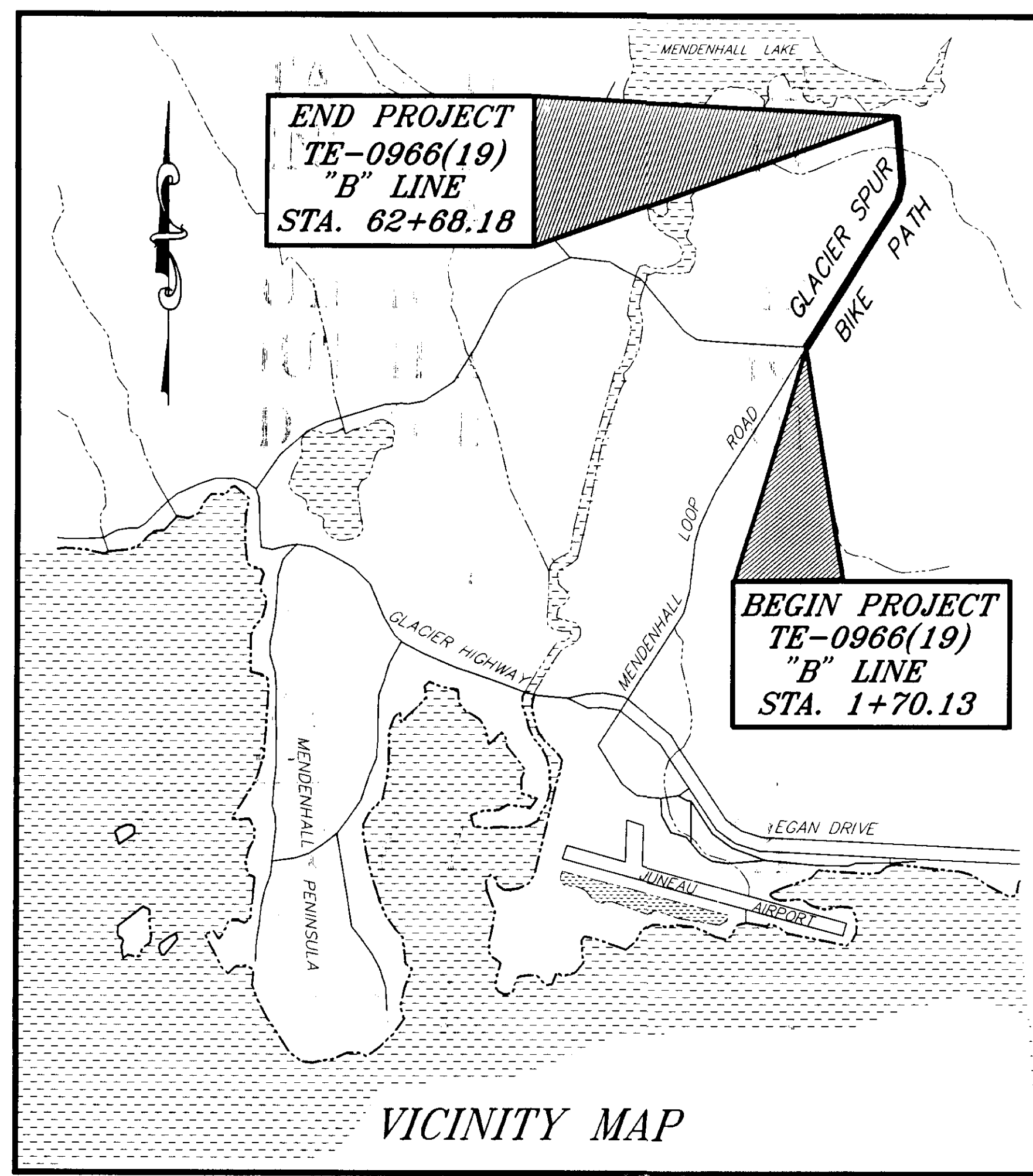
THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:
A-1, C-01.03, C-02.01, D-01.02, D-04.10, D-05.10, D-06.01, D-23.00,
D-24.00, D-26.01, I-20.11, S-00.00, S-05.00, S-20.00, S-30.01.

PROJECT DESIGN CRITERIA

- MAXIMUM PROFILE GRADIENT..... 5%
- MAXIMUM CROSS SLOPE..... 2%
- DESIGN SPEED..... 20 MPH
- MINIMUM CURVE RADIUS..... 95'
- STOPPING SIGHT DISTANCE..... 125'

PROJECT SUMMARY

- WIDTH OF PAVING..... 8 FEET
- LENGTH OF PROJECT..... 6,098 FT. (1.15 MILE)
- LENGTH OF PAVING..... 6,098 FT. (1.15 MILE)



Contractor: Miller Construction
Project Engineer: Al Culbreath
Project Began: August 26, 1996
Project End: June 15, 1997

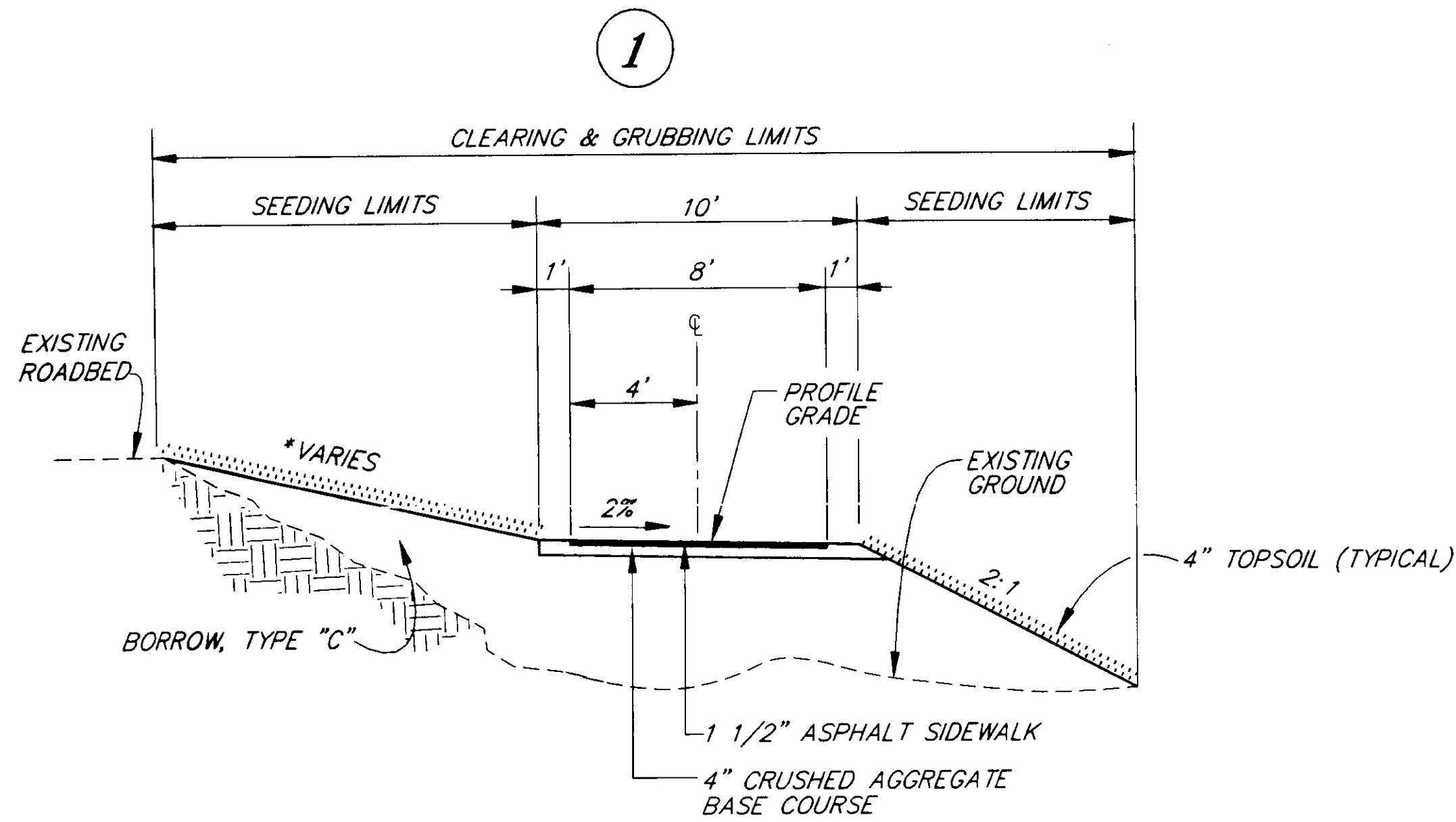
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST REGION DESIGN SECTION

APPROVED Date 5/20/96
Regional Preconstruction Engineer

APPROVED Date 5/20/96
Director, S.E. Region Design & Construction

PROJECT NUMBER: 71521	ENGINEER'S SEAL
DATE: 1995	
SHEET 1 OF 13	

A:\AL\71521\001 - TSHT - PLOT.PCF(1) OF 110.H.PCF(2) >

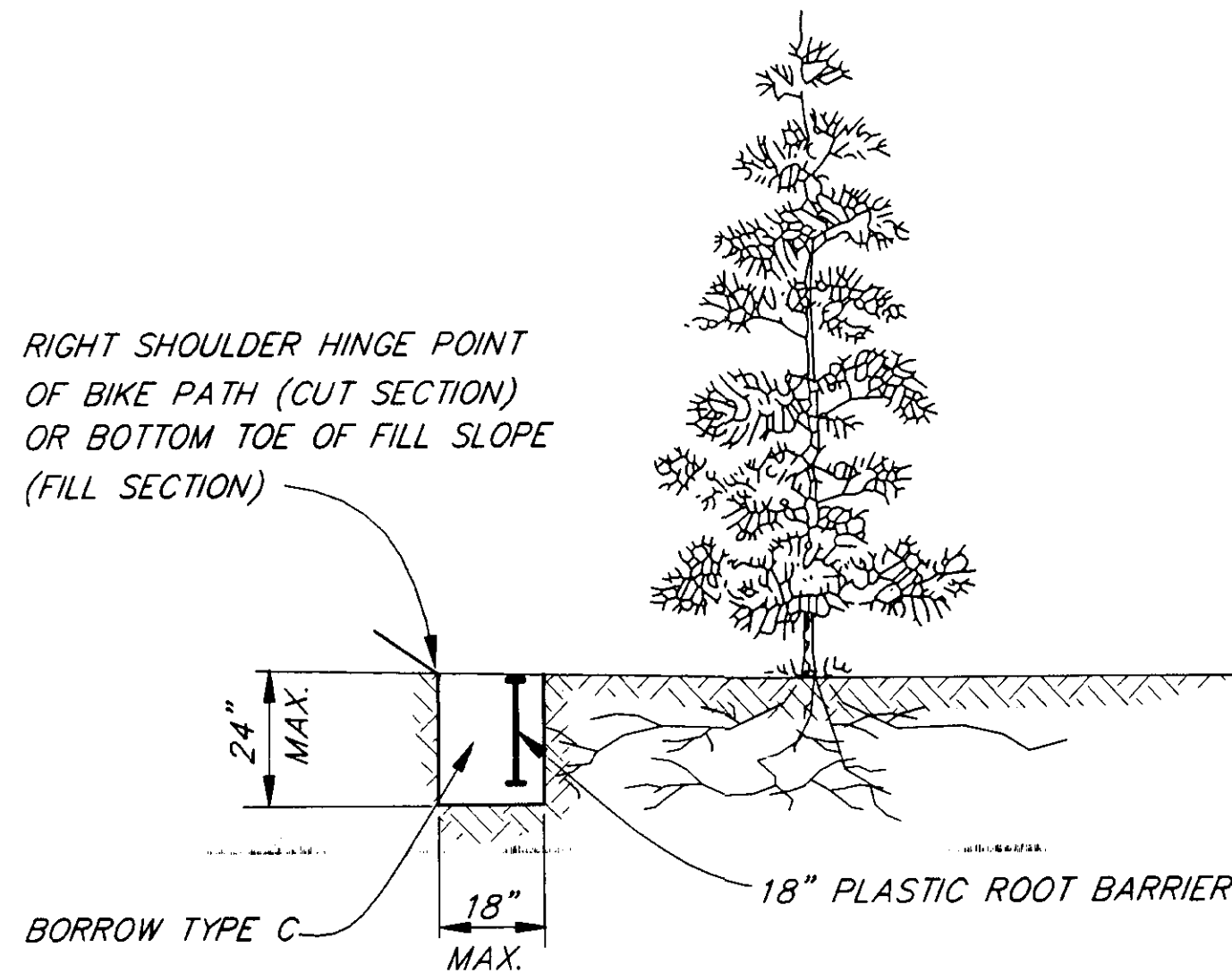


TYPICAL SECTION

STA. 1+70.13 TO STA. 18+50
 STA. 28+00 TO STA. 42+00
 STA. 48+00 TO STA. 50+00

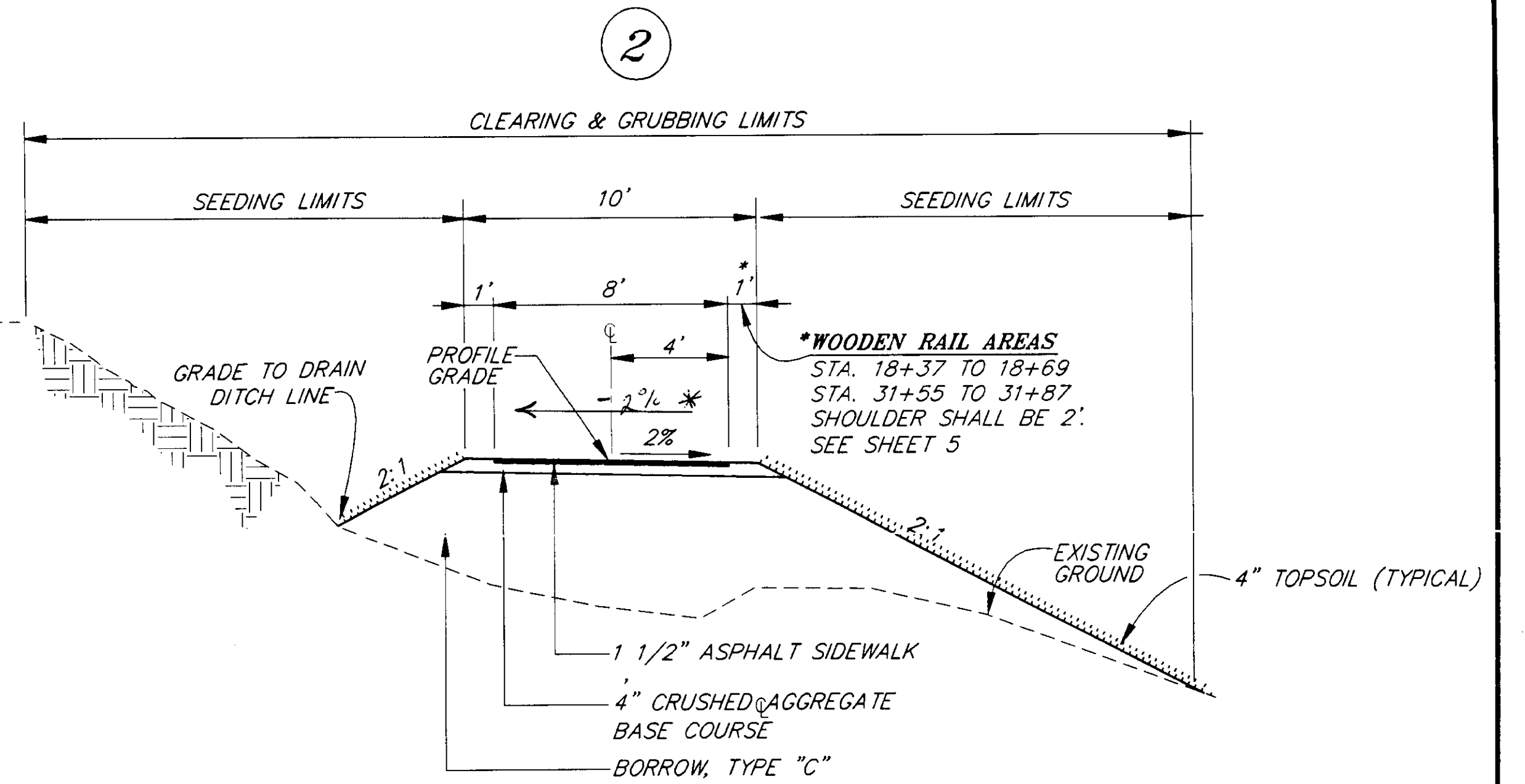
NOTE:
 * ON FORESLOPES STRAIGHT LINE BETWEEN THE EXISTING ROADBED AND THE BIKEPATH BIKEPATH SUPERELEVATION SHALL ROTATE ABOUT CENTERLINE

RIGHT SHOULDER HINGE POINT OF BIKE PATH (CUT SECTION) OR BOTTOM TOE OF FILL SLOPE (FILL SECTION)



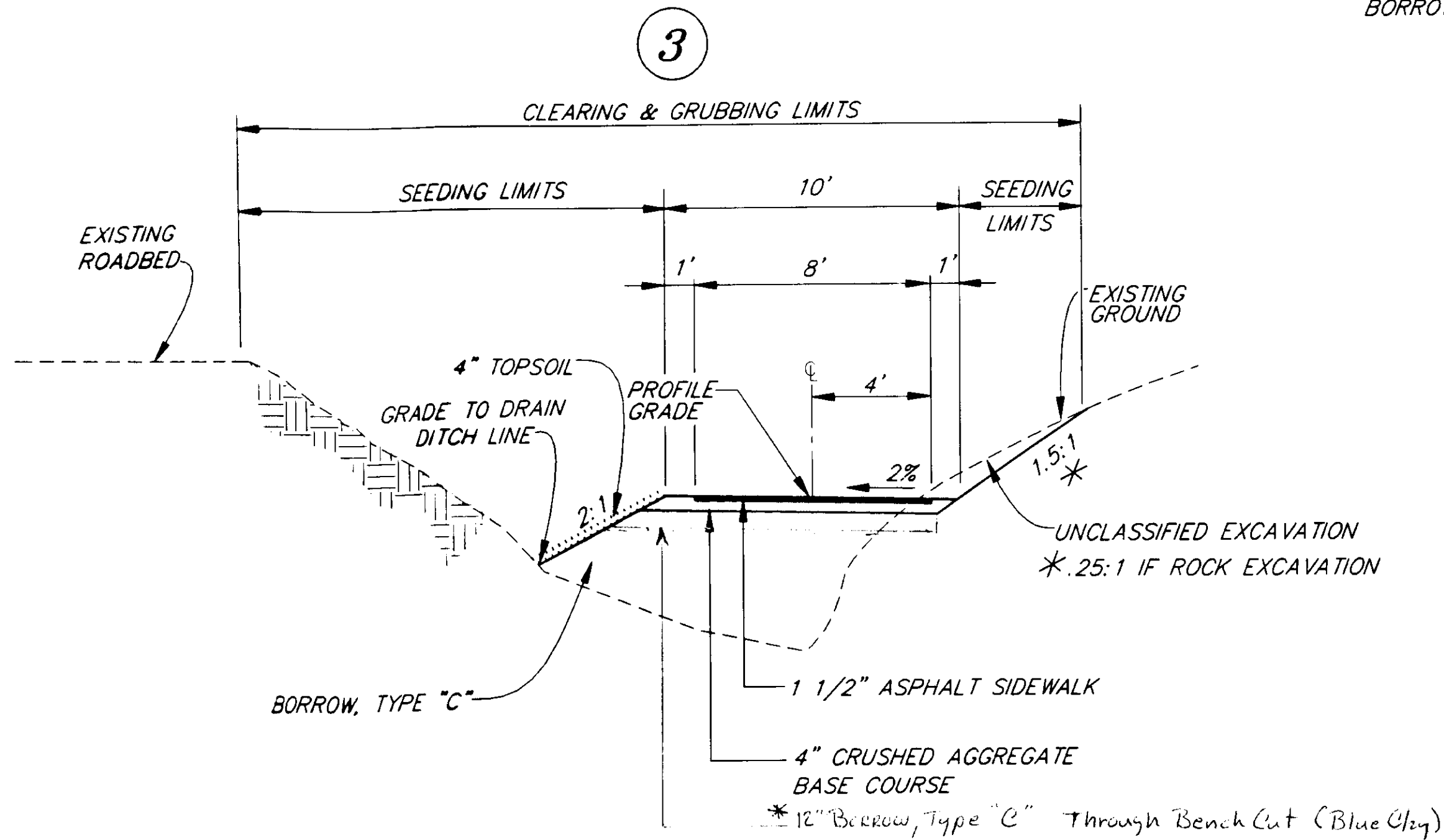
ROOT BARRIER DETAILS

STA. 20+00 TO STA. 24+00
 STA. 28+00 TO STA. 29+00



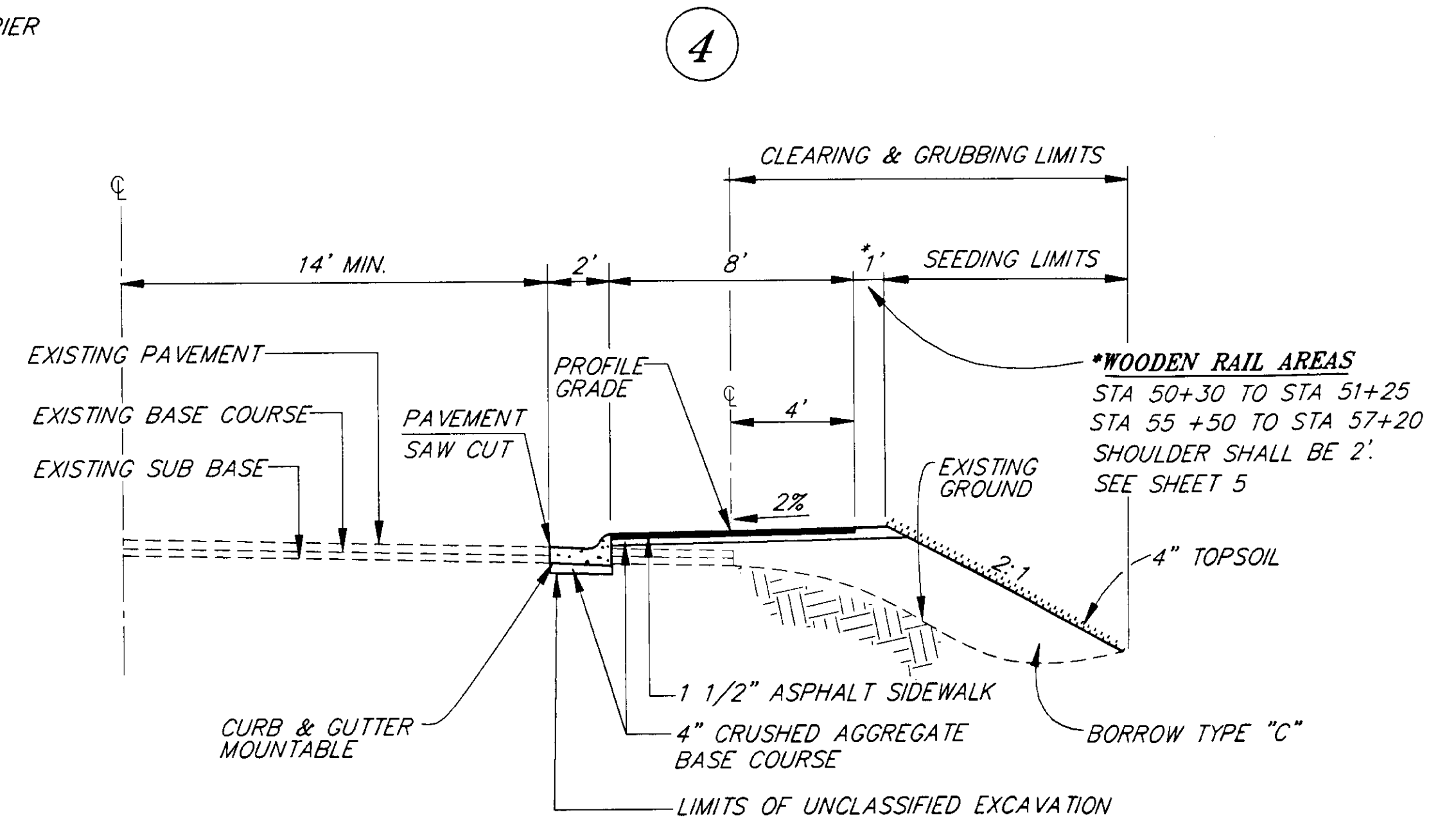
TYPICAL SECTION

STA. 18+50 TO STA. 19+50
 STA. 24+50 TO STA. 28+00
 STA. 42+~ TO STA. 46+~
 STA. 46+75 TO STA. 48+00
 *STA. 17+90 TO STA. 19+50



TYPICAL CUT SECTION

STA. 46+00 TO STA. 46+75
 *STA. 19+50 TO STA. 24+50



MOUNTABLE CURB & GUTTER TYPICAL

STA. 50+00 TO STA. 59+30

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

PATH: P:\JNU\71521\DR - DET2 : = 4 (1=8) (1=4)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

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

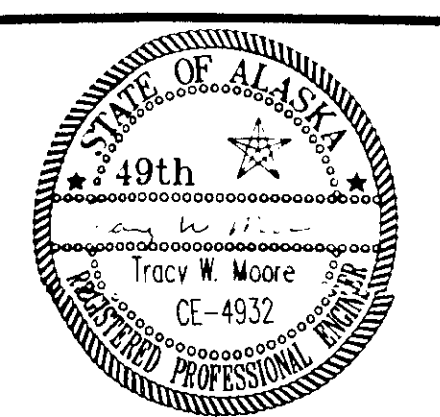
JUNEAU

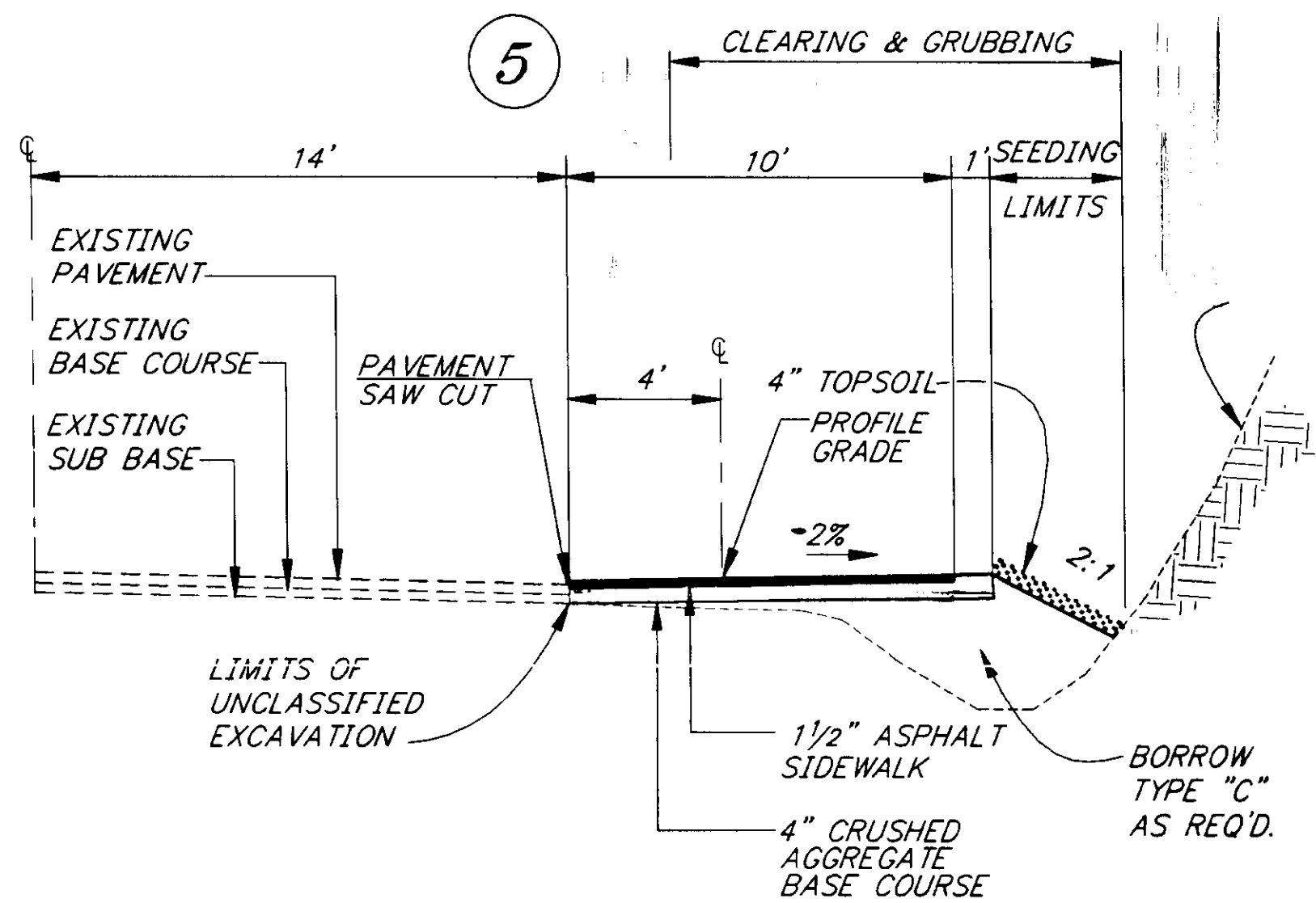
GLACIER SPUR BIKE PATH
 TE-0966(19) ~ PROJECT NO. 71521

ALASKA

TYPICAL SECTIONS

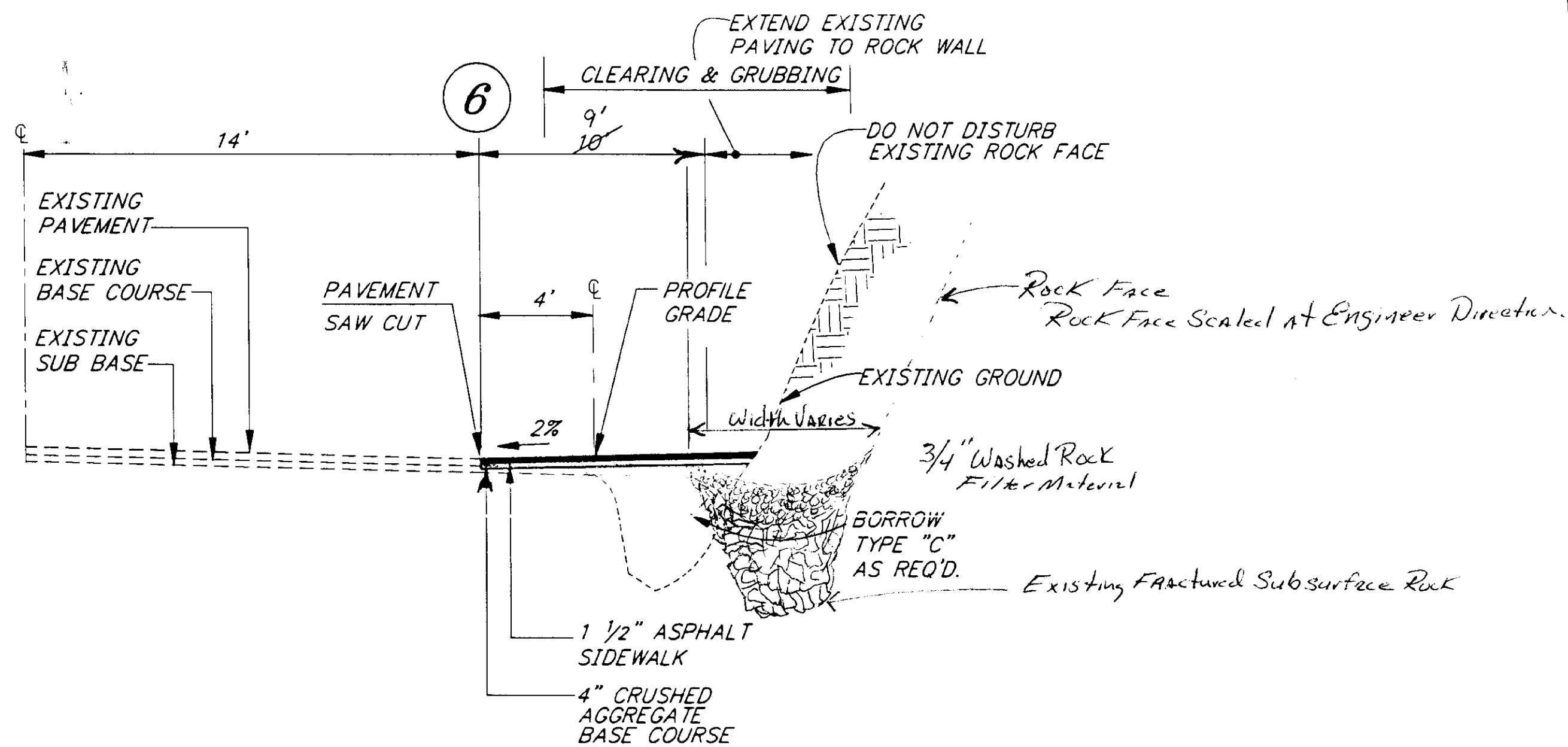
DESIGNED BY:	J. GAMBLIN	PROJECT NO.	71521
DRAWN BY:	K. KLEMMETSON/CSA	DATE:	1995
CHECKED BY:	T. MOORE	SHEET 2 OF 13	





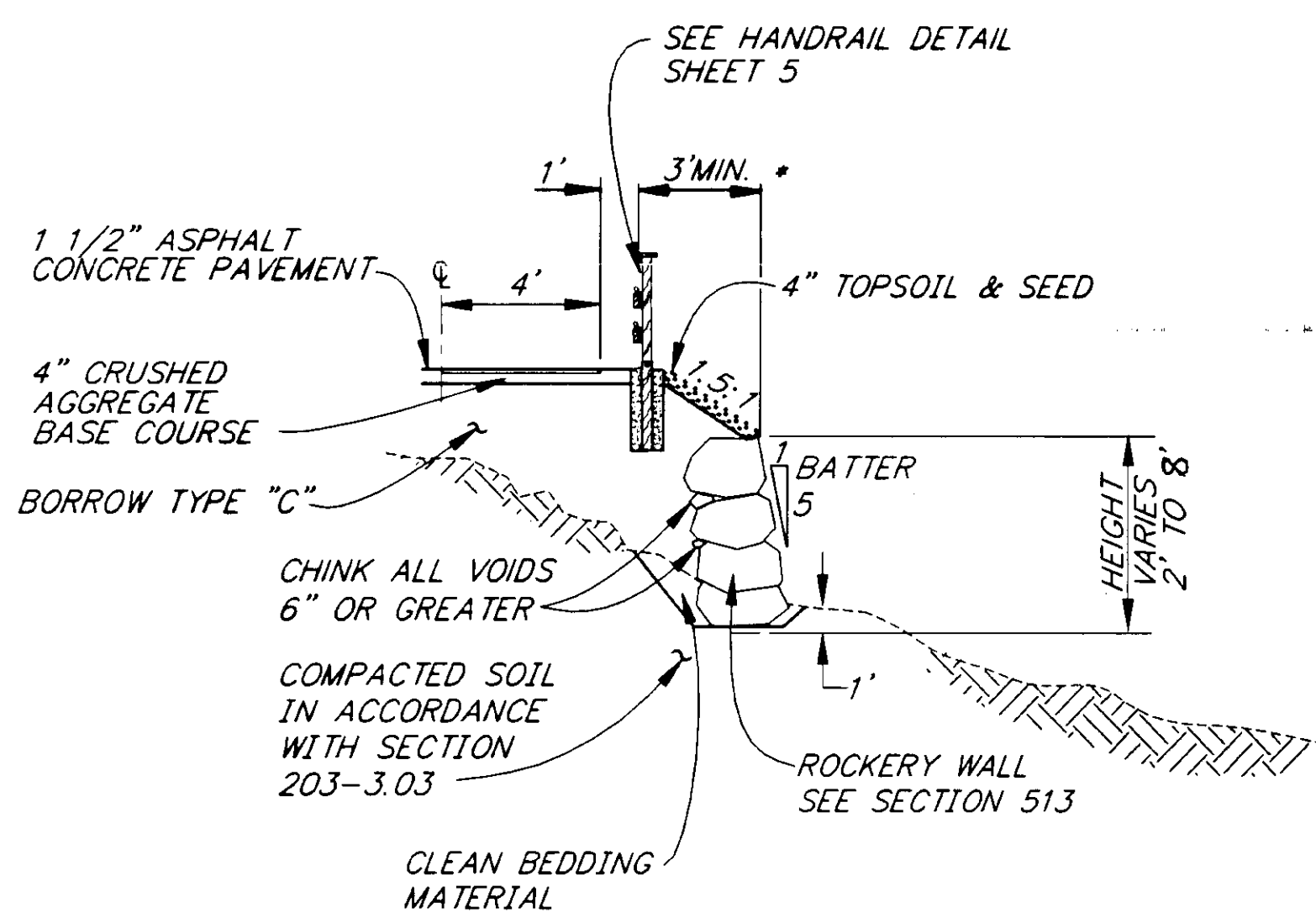
TYPICAL SECTION

STA. 59+30 TO STA. 60+40
Transition to from End of 59+30

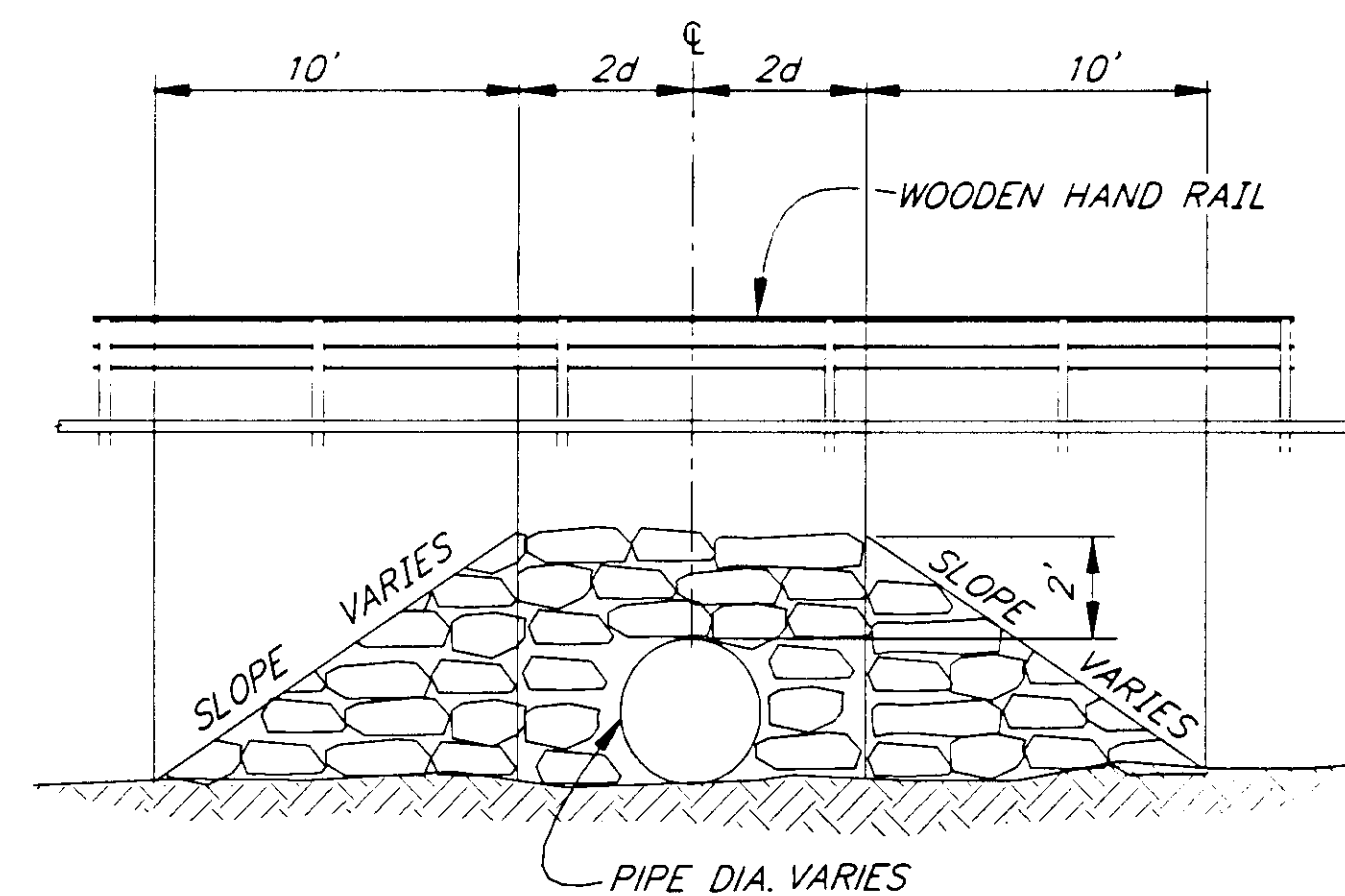


TYPICAL SECTION

STA. 61+40 TO E.O.P.
60+40 TO E.O.P.

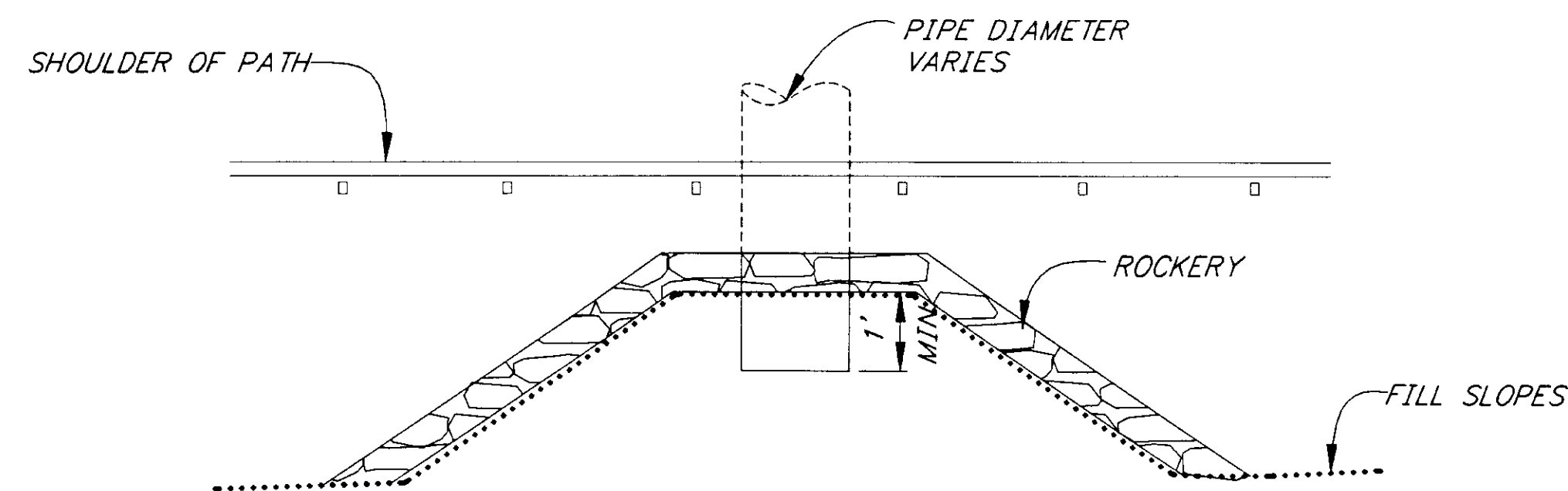


ROCKERY WALL SECTION



ROCKERY WALL DETAIL

NOT TO SCALE



ROCKERY WALL PLAN VIEW

NOT TO SCALE

ROCKERY WALL SUMMARY				
STATION TO STATION	LT	RT	SQ. YARDS	REMARKS
18+37 - 18+69		X	927.2	
31+35 - 31+87		X	9	* CHANGE TO 1'
30+00 - 31+93			87.7	
50+30 - 51+25			4837.3	
55+50 - 57+20		X	8841.0	
TOTAL			153 S.Y.	

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU

GLACIER SPUR BIKE PATH
TE-0966(19) ~ PROJECT NO. 71521

ALASKA

TYPICAL SECTIONS

DESIGNED BY: J. GAMBLIN	PROJECT NO. 71521
DRAWN BY: K. KLEMMETSON/CSA	DATE: 1995
CHECKED BY: T. MOORE	SHEET 3 OF 13



ESTIMATE OF QUANTITIES

ITEM NO.	PAY ITEM	UNIT	QUANTITY
120(1)	DBE ADJUSTMENT	C.S.	ALL REQ'D.
201(3B)	CLEARING AND GRUBBING	L.S.	ALL REQ'D.
203(6)	BORROW	TON	13,025.7,077
203(13)	UNCLASSIFIED EXCAVATION	L.S.	ALL REQ'D.
301(1)	CRUSHED AGGREGATE BASE COURSE	TON	2,324 7,650
408(1)	PAVEMENT SAW CUTTING	L.F.	1,302 368
506(5)	WOODEN RAIL	L.F.	294 329
513(1)	ROCKERY WALL	SQ. YD.	144 153
603(17-18)	18 INCH PIPE	L.F.	76 314
603(17-24)	24 INCH PIPE	L.F.	74 66
603(17-36)	36 INCH PIPE	L.F.	23
603(20-18)	END SECTION FOR 18 INCH PIPE	EACH	2 4
603(20-24)	END SECTION FOR 24 INCH PIPE	EACH	4 5
603(23)	CURB DRAIN	EACH	4 1
604(5)	INLET, TYPE "A"	EACH	1 6
608(3)	ASPHALT SIDEWALK	SQ. YD.	5,414
609(2)	CURB AND GUTTER, TYPE 1	L.F.	930
615(1)	STANDARD SIGNS	SQ. FT.	45.0
618(1)	SEEDING	ACRE	2
620(1)	TOPSOIL	SQ. YD.	8,700
633(1)	SILT FENCE	L.F.	395
634(1)	ROOT BARRIER	L.F.	500
640(1)	MOBILIZATION AND DEMOBILIZATION	L.S.	ALL REQ'D.
641(1)	EROSION AND POLLUTION CONTROL ADMINISTRATION	L.S.	ALL REQ'D.
641(3)	EROSION AND POLLUTION CONTROL	C.S.	ALL REQ'D.
641(4)	STRAW BALES	EACH	6
642(1)	CONSTRUCTION SURVEYING	L.S.	ALL REQ'D.
643(2)	TRAFFIC MAINTENANCE	L.S.	ALL REQ'D.
643(3)	PERMANENT CONSTRUCTION SIGNING	L.S.	ALL REQ'D.
643(4)	CONSTRUCTION SIGN	EACH PER DAY	360
643(5)	TYPE II BARRICADE	EACH PER DAY	100
643(7)	TRAFFIC CONE	EACH PER DAY	2,475
643(8)	DRUM	EACH PER DAY	270
643(15)	FLAGGING	M.H.	400

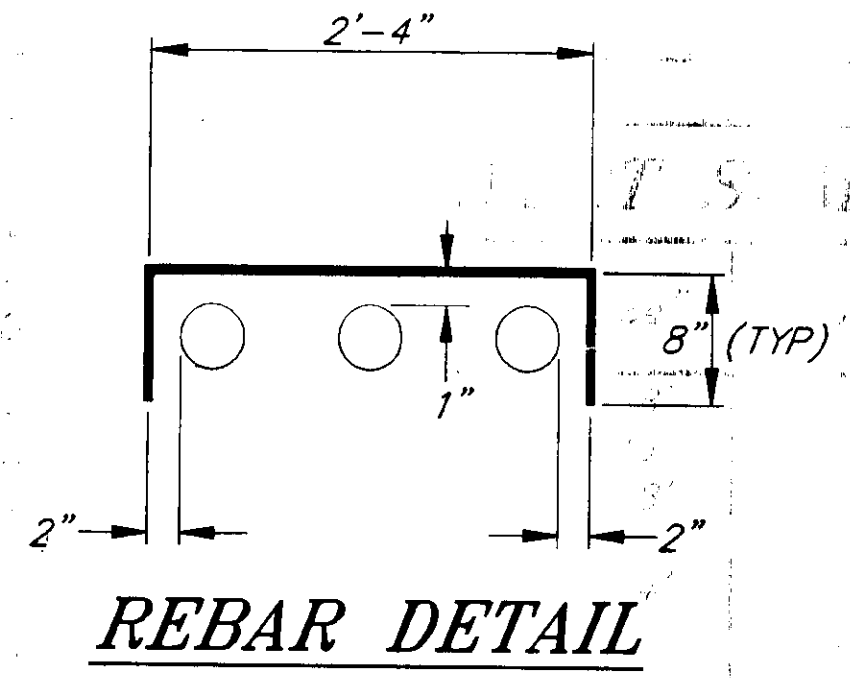
BASIS OF ESTIMATE	
ITEM NO.	ESTIMATING FACTOR
203(6)	1.80 TON/CUBIC YARD
301(1)	1.96 TON/CUBIC YARD
608(3)	116 LBS (SY/IN DEPTH 6% ASPHALT CEMENT)

CULVERT SUMMARY

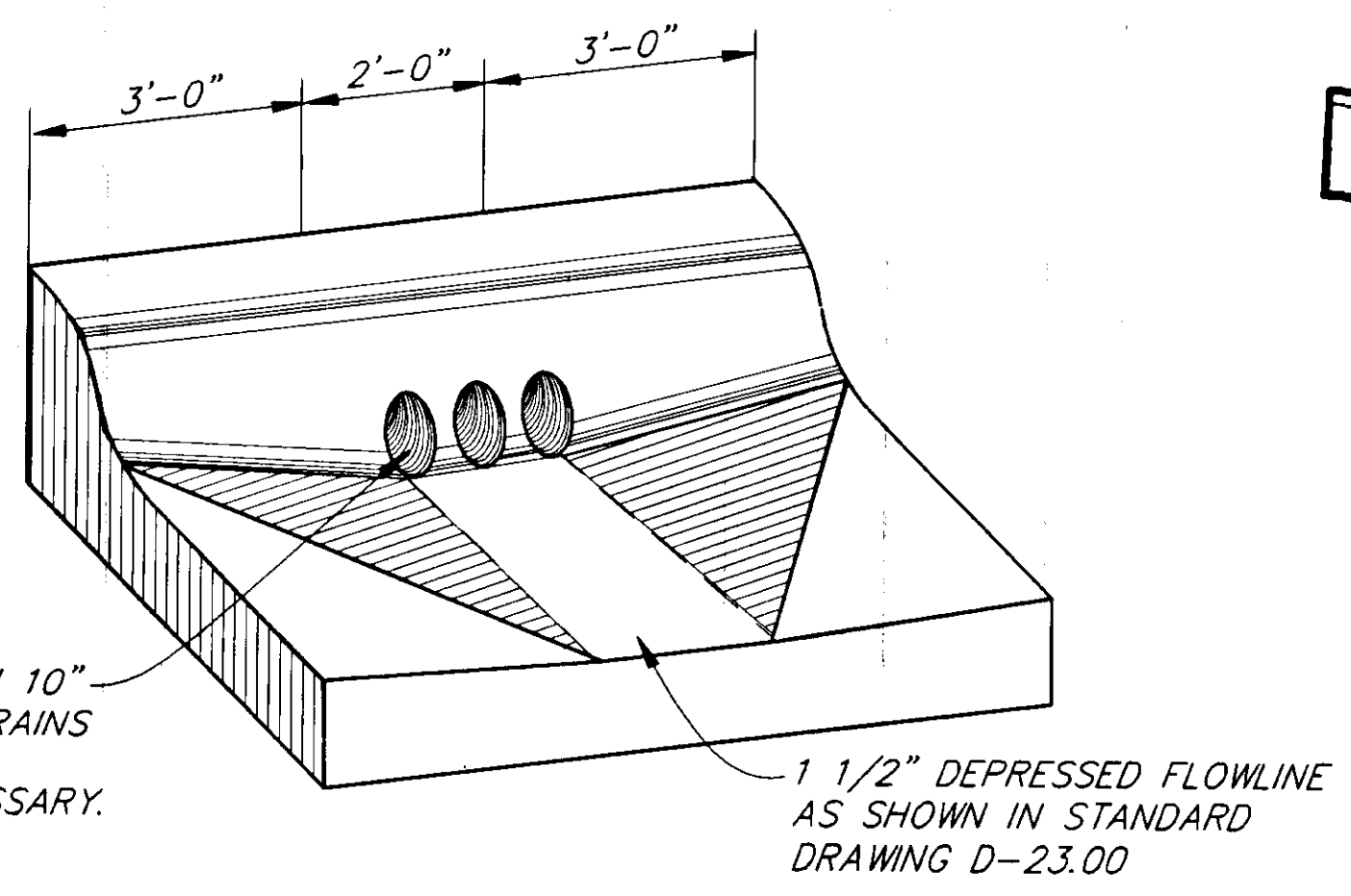
PIPE NO.	STATION	18"	24"	36"	REMARKS	
(P-1)	3+00		8'		END SECTION FOR EXISTING PIPE	12"
(P-2)	7+84		16'		END SECTION FOR EXISTING PIPE	
(P-3)	10+22		8'		END SECTION FOR EXISTING PIPE	
(P-4)	14+29	11'	14'		END SECTION FOR EXISTING PIPE	
(P-5)	16+32				END SECTION FOR EXISTING PIPE	
(P-6)	18+53			24' 23'	END SECTION FOR EXISTING PIPE	
(P-6A)	18+55	23'			NEW CULVERT	
(P-7)	25+51		20'		END SECTION FOR EXISTING PIPE	
(P-8)	26+72					23'
(P-9)	43+00	22'			NEW CULVERT	20'
(P-9A)	47+50	23'			NEW CULVERT	
(P-10A)	56+20	14'	5'		SEE NOTE 2	
(P-11)	56+95	18'			SEE NOTE 2	
(P-12)	58+73	18'			SEE NOTE 2	
(P-13)	61+10	30'			OUT OF INLET BOX S-4 RUN UNDER SHOULDER TO DITCH AT 61+20	
(P-14)	61+37	75'			FROM INLET BOX S-4 TO INLET S-2	
(P-15)	61+15	75'			FROM INLET BOX S-5 TO INLET S-6	
P-16	60+22		33'			14'
P-8A	25+67	36'				
TOTALS		314' 76	86' 74	24' 23'	L.F.	57'

NOTES:

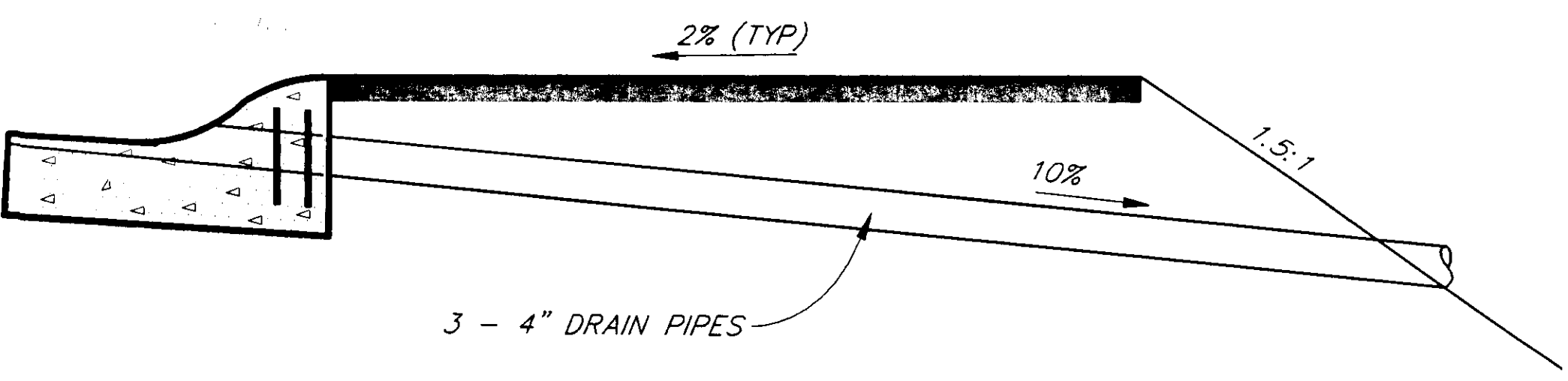
- CULVERT LENGTHS ARE APPROXIMATE ONLY AND SHOULD BE FIELD VERIFIED BY THE CONTRACTOR.
- INSTALL INLET AT CURB-LINE. PROVIDE NEW PIPE FROM INLET TO DAYLIGHT IN THE NEW DITCHLINE.



REBAR NOTE:
2-NO. 4, GRADE 50 REBARS SHALL BE PLACED AS SHOWN FOR EACH CURB DRAIN. 2 INCHES OF CLEARANCE FROM THE DRAIN PIPES SHALL BE MAINTAINED ON ALL SIDES.



3 - 4" GALVANIZED RMC DRAIN PIPES ON 10" CENTERS. (7 FT. MIN. LENGTH) CURB DRAINS SHALL BE APPROVED BY THE ENGINEER. MINOR FIELD ADJUSTMENTS MAY BE NECESSARY.



CURB DRAIN DETAILS

STATION 54+00.50
56+22
57+00
58+42

GENERAL NOTES

- APPROACH SIGNS AND CULVERT EXTENSION LOCATIONS ARE APPROXIMATE ONLY AND ARE SUBJECT TO MINOR FIELD REVISIONS AS DIRECTED BY THE ENGINEER.
- GRADES AND ALIGNMENT AS SHOWN ON THE PLANS ARE SUBJECT TO MINOR REVISIONS.
- CLEARING AND GRUBBING LIMITS SHALL BE TO THE SLOPE LIMITS UNLESS OTHERWISE DIRECTED. THE AREA ADJACENT TO THE PROJECT IS IN THE TONGASS NATIONAL FOREST AND EVERY EFFORT SHOULD BE MADE TO KEEP CLEARING AND GRUBBING TO A MINIMUM. SEE SPECIAL PROVISIONS 203.
- ALL UNCLASSIFIED EXCAVATION EXCEPT ROCK IS CONSIDERED WASTE MATERIAL.
- MINOR REVISIONS TO CURB DRAIN AND INLET LOCATIONS MAY BE REQUIRED BY THE ENGINEER.
- ALL SIGNS AND POSTS WITHIN THE CONSTRUCTION ZONE SHALL BE REMOVED, SALVAGED AND REINSTALLED AFTER COMPLETION OF THE SIDEWALK EMBANKMENT.
- A SMOOTH TRANSITION SHALL BE PROVIDED BETWEEN TYPICAL SECTIONS.
- BEDROCK MAY BE ENCOUNTERED.
- INTERSECTING TRAILS SHALL BE ADJUSTED WITH CRUSHED AGGREGATE TO MATCH BIKEPATH GRADE.
- PAVE EXISTING BICYCLE PARKING FACILITY AT E.O.P. AND EXPAND AREA AS DIRECTED BY THE ENGINEER. PAID FOR AS ASPHALT SIDEWALK.
- TOPSOIL, & SEEDING SHALL BE PLACED ON ALL FORESLOPES AND BACKSLOPES EXCLUDING ROCK SLOPES AT A 4" DEPTH.
- THE CENTERLINE, TOP OF ASPHALT OF THE BIKEPATH IS THE PROFILE GRADE POINT.
- ANY SLOPES EXCAVATED THAT AFFECTS STORM WATER SHALL BE TEMPORARILY HAND SEEDED AND MATTED TO REDUCE SILTATION PROBLEMS.
- THE SEWER LINE, UNDERGROUND ELECTRIC CONDUIT, AND UNDERGROUND TELEPHONE CONDUIT INSTALLATION IS NOT PART OF THIS CONTRACT, THE LOCATION OF THESE FACILITIES IS SHOWN ON THE PLANS, AND IS APPROXIMATE IN LOCATION ONLY. THE UNDERGROUND DEPTH OF THESE FACILITIES IS NOT SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND WORKING AROUND THESE FACILITIES IN EXCAVATION AREAS.
- PAVEMENT SAWCUTS SHALL BE A NEAT SMOOTH CUT.
- DITCHES SHALL BE CONSTRUCTED TO DRAIN.

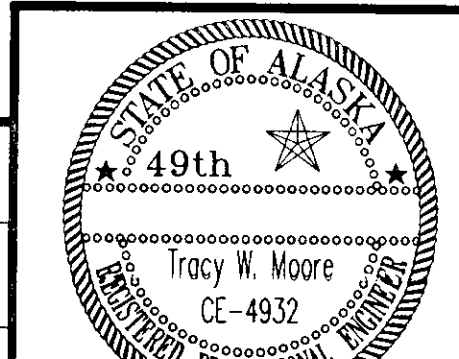
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AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU
GLACIER SPUR BIKE PATH
TE-0966(19) ~ PROJECT NO. 71521
ESTIMATE OF QUANTITIES & GENERAL NOTES

DESIGNED BY: J. GAMBLIN	PROJECT NO. 71521
DRAWN BY: KLEMMETSON/CSA	DATE: 1995
CHECKED BY:	SHEET: 1 OF 10



TYPE "A" INLET SUMMARY

STRUCTURE	STATION	OFFSET	TOP INLET EL.	REMARKS
S-1	56+20	5' LT.	X	MATCH EXISTING GRADE
S-2	56+95	5' LT.	X	MATCH EXISTING GRADE
S-3	58+73	5' LT.	X	MATCH EXISTING GRADE
S-4	61+00	5' LT.	X	MATCH EXISTING GRADE
S-5	61+75	5' LT.	X	MATCH EXISTING GRADE
S-6	62+50	5' LT.	X	MATCH EXISTING GRADE

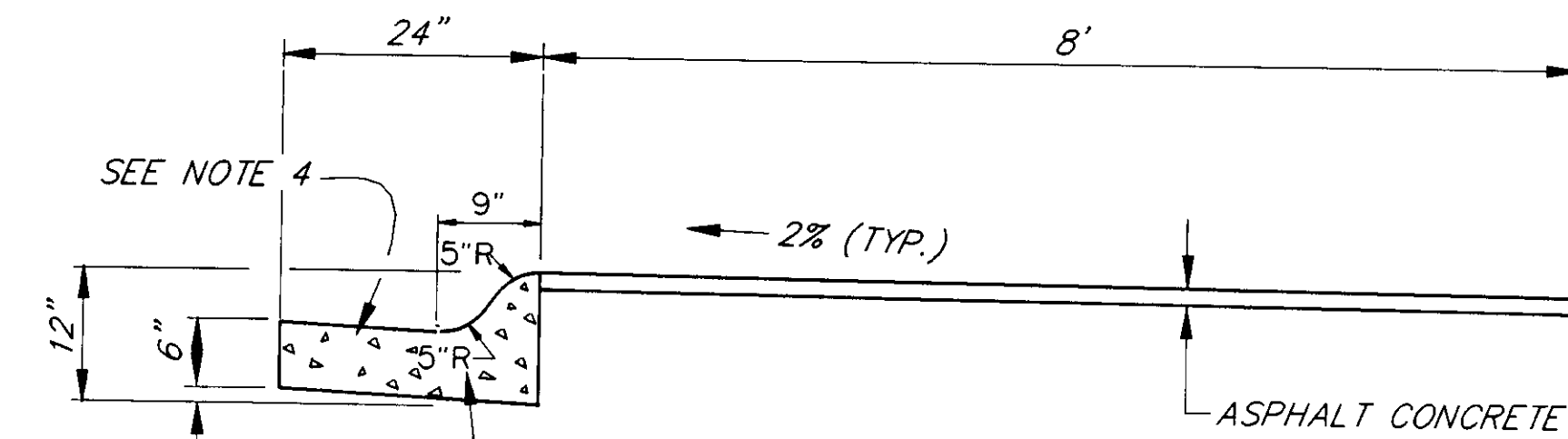
NOTE:
TYPE "A" INLETS WILL REQUIRE 18" SUMPS. INSTALL FIRST CMP AT MINIMUM DEPTH (SEE STANDARD DRAWING) AT STA. 62+50. USE A MINUS 1/2% GRADE FROM INLET S-4 TO S-3, S-3 TO S-2 AND S-2 TO S-1.

MOUNTABLE CURB & GUTTER SUMMARY

STATION TO STATION	LT	RT	LENGTH
50+00 TO 59+30		X	930

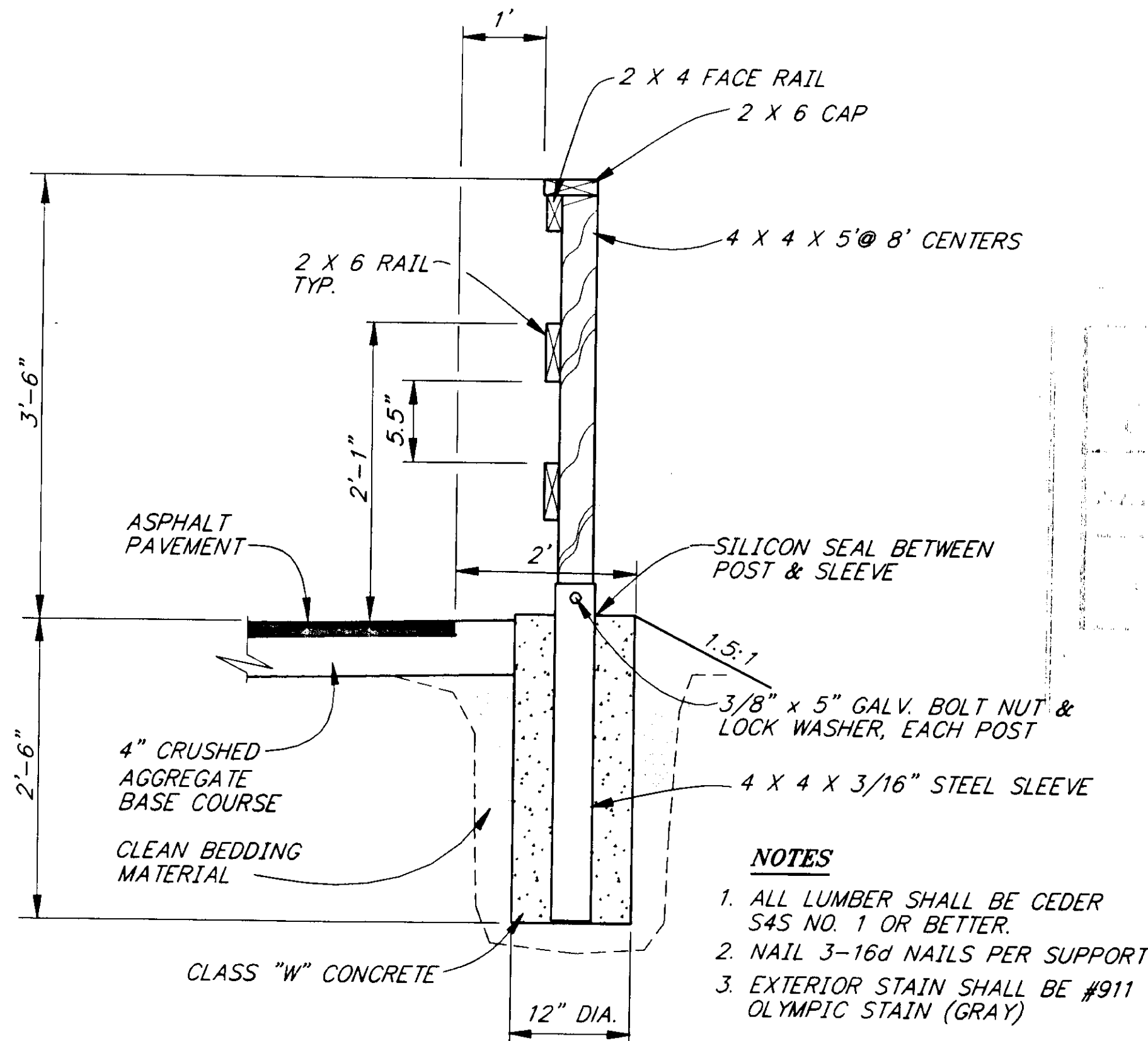
BIKEPATH, CURB AND GUTTER NOTES

- CURB AND GUTTER EXPANSION JOINTS SHALL BE AT EACH END OF CURB RETURNS AND CURB CUTS. SPACING SHALL BE AT 30'-0" MAX. INTERVALS. JOINT FILLER SHALL EXTEND THE FULL DEPTH OF THE CONCRETE. USE AN APPROVED 1/2" THICK FIBER EXPANSION JOINT FILLER.
- ALL CURB AND GUTTER SHALL BE CLASS "A" CONCRETE.
- DUMMY JOINTS SHALL EXTEND INTO THE CONCRETE 2" AND BE 1/8" WIDE ON TEN FOOT CENTERS.
- WHERE THERE IS SUPERELEVATION THE GUTTER PAN ON THE HIGH SIDE OF THE ROADWAY SHALL MATCH THE SLOPE OF THE ROADWAY AND DRAIN TOWARD THE CENTER OF THE ROADWAY.



SECTION A-A

MOUNTABLE CURB AND GUTTER TYPE 1 (CONCRETE)
SEE STD. DWG. I-20.11

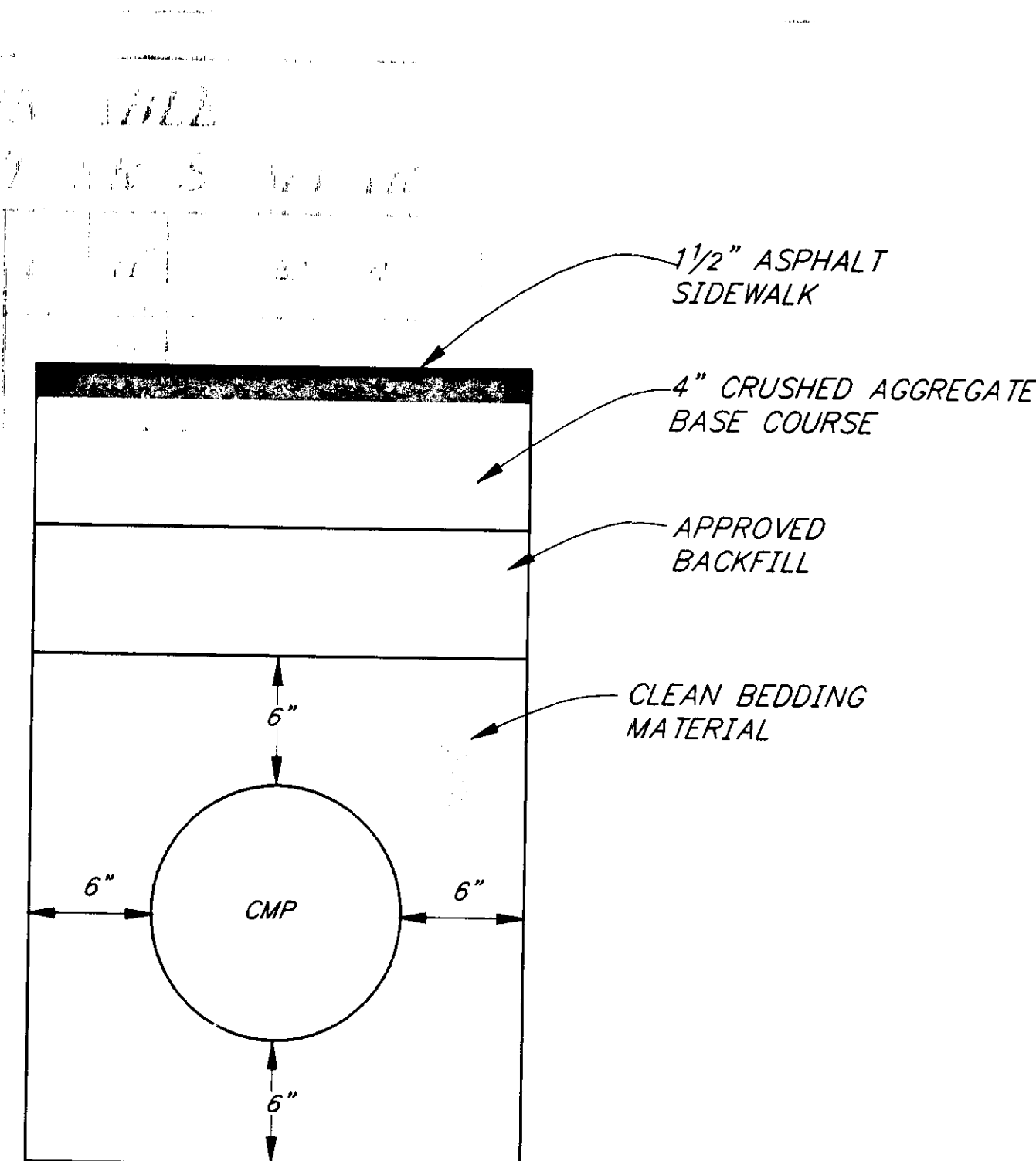


- NOTES**
- ALL LUMBER SHALL BE CEDER S4S NO. 1 OR BETTER.
 - NAIL 3-16d NAILS PER SUPPORT
 - EXTERIOR STAIN SHALL BE #911 OLYMPIC STAIN (GRAY)

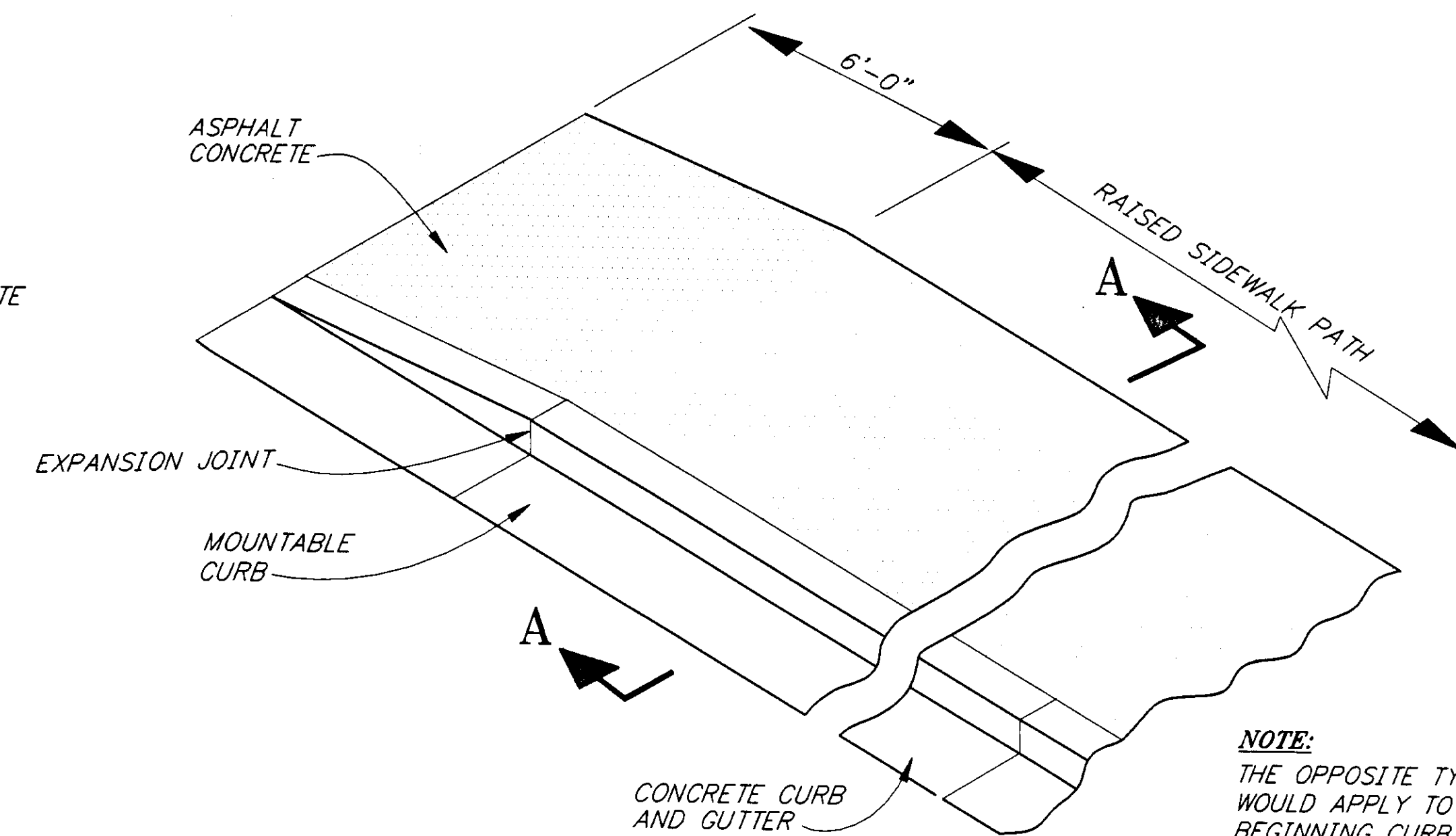
WOODEN RAIL DETAIL

NOT TO SCALE

WOODEN RAIL OCCURS AT THE FOLLOWING STATIONS
 STA. 18+37 TO STA. 18+69
 STA. 31+55 TO STA. 31+87
 STA. 50+30 TO STA. 51+25
 STA. 55+50 TO STA. 57+20



CMP TRENCH DETAIL



NOTE:
THE OPPOSITE TYPICAL WOULD APPLY TO THE BEGINNING CURB AND GUTTER.

TYPICAL BIKEPATH, CURB & GUTTER DETAIL

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

BY:	DATE:	DESCRIPTION OF CHANGE:

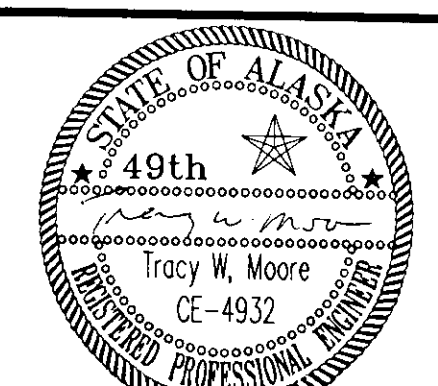
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JUNEAU
 GLACIER SPUR BIKE PATH
 TE-0966(19) ~ PROJECT NO. 71521

MISCELLANEOUS DETAILS & SUMMARIES

DESIGNED BY: J. GAMBLIN	PROJECT NO. 71521
DRAWN BY: KLEMMETSON/CSA	DATE: 1995
CHECKED BY: T. MOORE	SHEET 6 OF 10



BASIS OF CONTROL

HORIZONTAL CONTROL

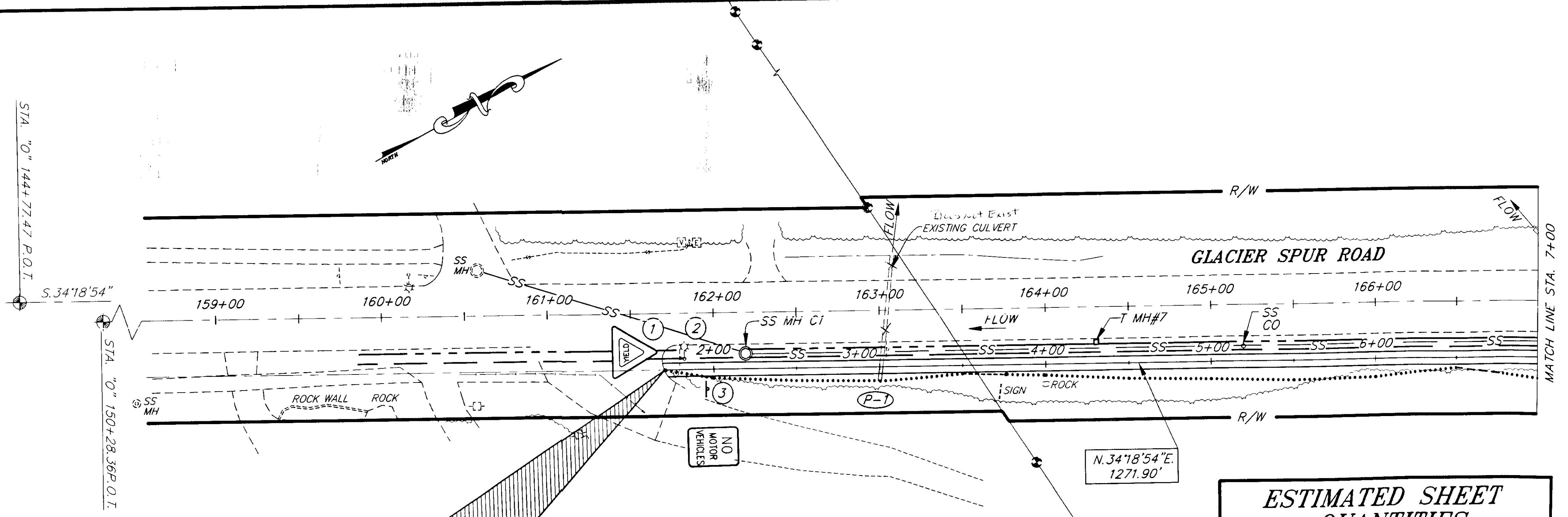
THE BASIS OF HORIZONTAL CONTROL FOR THIS PROJECT IS THE RECORD BEARING OF S. 34° 18' 54" W. BETWEEN HIGHWAY CENTERLINE MONUMENT AT STATION "0" 150+28.36 POT AND HIGHWAY CENTERLINE MONUMENT AT STATION "0" 144+77.47 POT. THE PROJECT BASIS OF COORDINATES IS THE CENTERLINE MONUMENT AT STATION "0" 150+28.36 P.O.T. WITH ISOLATED COORDINATES OF N 3906.40 E 7592.40

VERTICAL CONTROL

THE BASIS OF VERTICAL CONTROL FOR THIS PROJECT IS THE 0+00 STATION OF THE CALIBRATION BASE LINE, ON THE RIGHT SHOULDER OF GLACIER SPUR ROAD AT APPROXIMATE STATION "0" 152+65.35, 16.93' RT. THE ACCEPTED ELEVATION IS 70.31 FEET. THE BASIS OF THIS ELEVATION IS THE "AS-BUILT" FINISHED FLOOR OF THE RESTROOM AT THE ENTRANCE WAY AT THE VISITOR'S CENTER.

LEGEND

- (X-X) = NEW CULVERT PIPE OR EXTENSION
- (X) = NEW SIGN
- SF- = SILT FENCE
- = STRAW BALE
- ~ = TREE LINE
- ⊞ = ROCK WALL
- ⊞ = EXISTING POND
- ROCK ⊞ = EXISTING ROCK
- - - = EXISTING CULVERT
- = = NEW CULVERT EXTENSION
- ⊞ = EXISTING LIGHT POLE
- ⊞ = EXISTING LIGHTS
- ⊞ = EXISTING POWER POLE
- ⊞ = EXISTING TRAFFIC SIGN
- ⊞ = EXISTING INFORMATION SIGN
- SS- = PROP. SANITARY SEWER (6" PVC) NOTE 1
- ⊞ SS MH = EXISTING SANITARY MANHOLE
- - - = PROP. UG ELECTRIC (4") NOTE 1
- ⊞ = EXISTING UTILITY POLE
- - - = PROP. UG TELEPHONE (2" PVC) NOTE 1
- ⊞ = EXISTING UTILITY STUB UP
- = NEW LINE OF FILL
- - - = NEW CUT LINE
- - - = CENTER OF DITCH
- FLOW → = FLOW ARROW
- - - = EDGE OF DIRT
- - - = EDGE OF ASPHALT CONCRETE
- - - = CENTERLINE BIKEPATH
- - - = EDGE OF EXISTING ROAD
- - - = RIGHT OF WAY
- - - = EXISTING CONSTRUCTION
- - - = EXISTING TRAIL

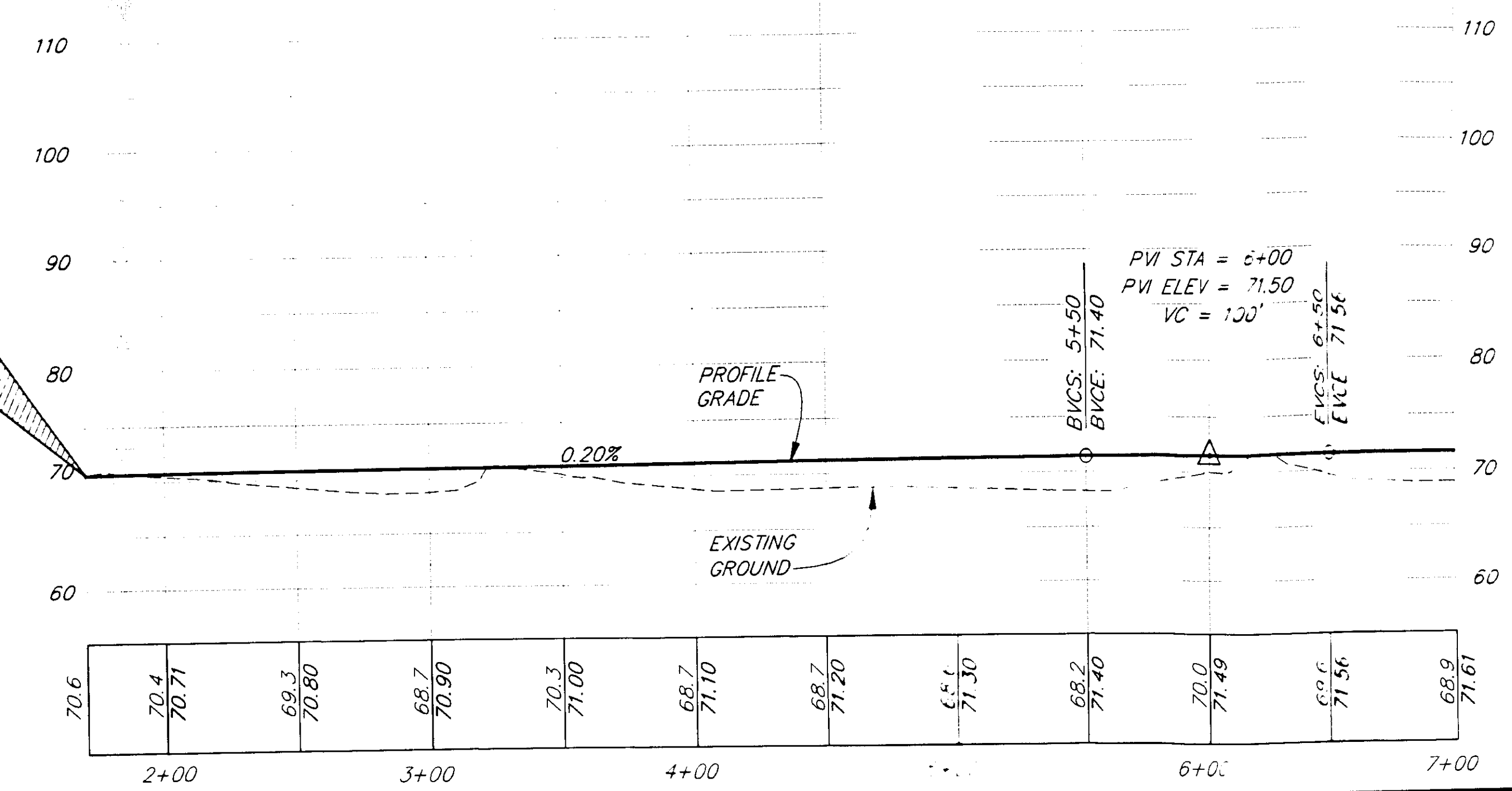


BEGINNING OF PROJECT
TE-0966(19) - 71521
STA. 161+70.13
33' RT. OF GLACIER SPUR
"B" LINE STATION 1+70.13
N.4375.87, E. 7952.78

NO.	STATION *	OFFSETS *
C1	2+18	9'
C0	5+16	10'
C2	8+14	8'
C0	11+39	8'
C3	14+65	8'
C4	18+64	19'
C0	22+14	9'
C5	25+65	18'
C0	28+79	8'
C6	32+08	10'
C0	36+16	10'
C7	39+97	13'
C0	43+96	21'
C8	47+96	13'
C0	61+45	8'

* STATIONS AND OFFSETS ARE APPROXIMATE ONLY.
NOTE NO. 1
 THE PROPOSED 6" SANITARY SEWER FACILITY, THE PROPOSED 2" UNDERGROUND TELEPHONE FACILITY, AND THE 4" UNDERGROUND ELECTRIC FACILITY WILL BE INSTALLED BY OTHERS.

PAY ITEM	QUANTITY
CLEARING AND GRUBBING	0.32 ACRES
UNCLASSIFIED EXCAVATION	9 C.Y.
BORROW TYPE "C"	432 TON



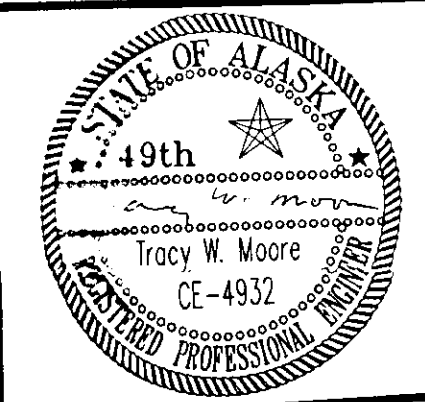
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

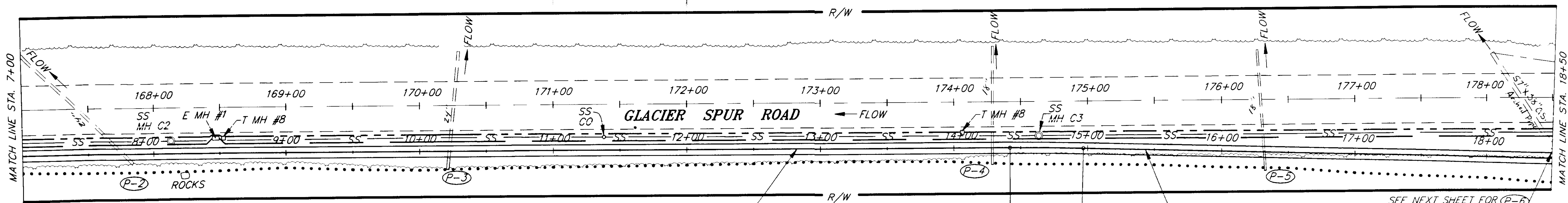
DATE	DESCRIPTION OF CHANGE

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

JUNEAU ALASKA
 GLACIER SPUR BIKE PATH
 TE-0966(19) ~ PROJECT NO. 71521
B.O.P. STA. 1+70.13 TO STA. 7+00
 PLAN & PROFILE

DESIGNED BY: J. GAMBLIN	PROJECT NO. 71521
DRAWN BY: K. KLEMMETSON/CSA	DATE: 1995
CHECKED BY: T.W. MOORE	SHEET 6 OF 13



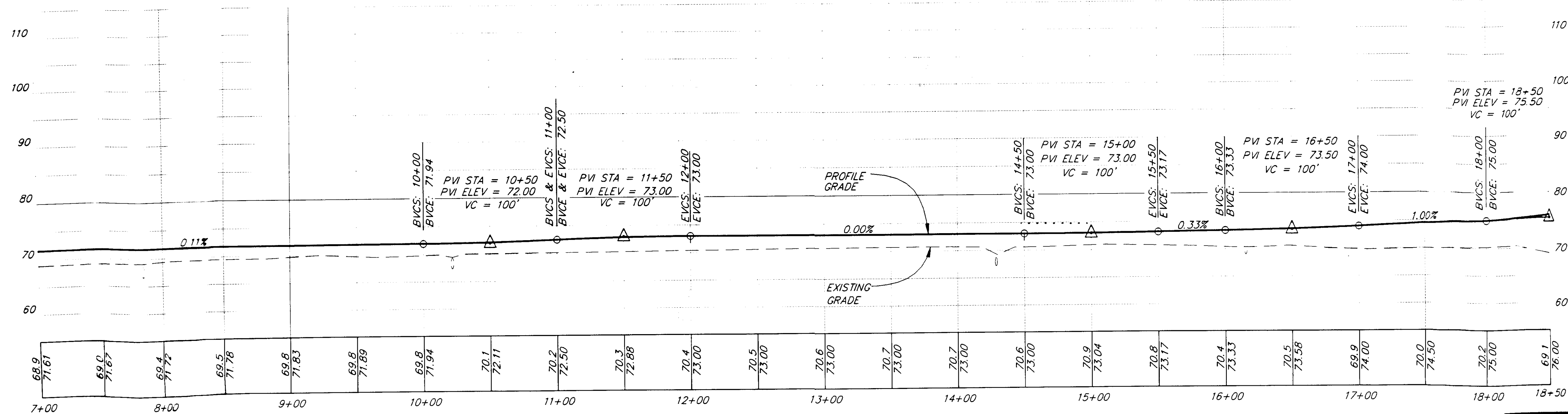


N.34°18'54"E.
1271.90'

N.35°53'10"E.
395.88'

CURVE DATA
 $\Delta = 01^{\circ}34'16''$
 $R = 2000.00'$
 $T = 27.42'$
 $L = 54.84'$

ESTIMATED SHEET QUANTITIES	
PAY ITEM	QUANTITY
CLEARING AND GRUBBING	0.83 ACRES
UNCLASSIFIED EXCAVATION	0 C.Y.
BORROW TYPE "C"	1,880 TON



NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

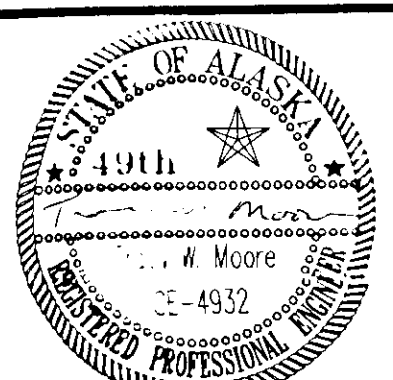
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 BY: _____ DATE: _____ DESCRIPTION OF CHANGE: _____

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

JUNEAU ALASKA
 GLACIER SPUR BIKE PATH
 TE-0966(19) ~ PROJECT NO. 71521
STA. 7+00 TO STA. 18+50
 PLAN & PROFILE

DESIGNED BY: J. GAMBLIN
 DRAWN BY: K. KLEMMETSON/CSA
 CHECKED BY: T. MOORE

PROJECT NO. 71521
 DATE: 1995
 SHEET 7 OF 13



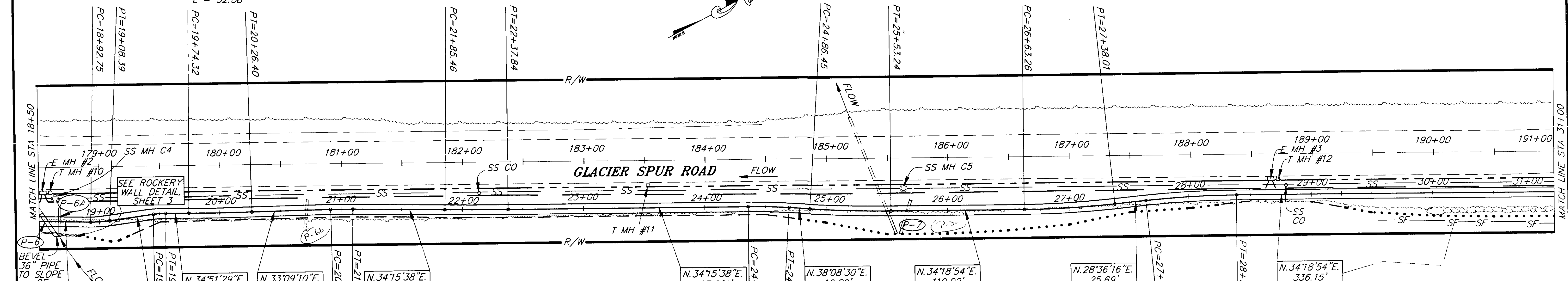
CURVE DATA
 $\Delta = 08^{\circ}57'26''$
 $R = 100.00'$
 $T = 7.83'$
 $L = 15.63'$

CURVE DATA
 $\Delta = 01^{\circ}42'19''$
 $R = 1750.00'$
 $T = 26.04'$
 $L = 52.08'$

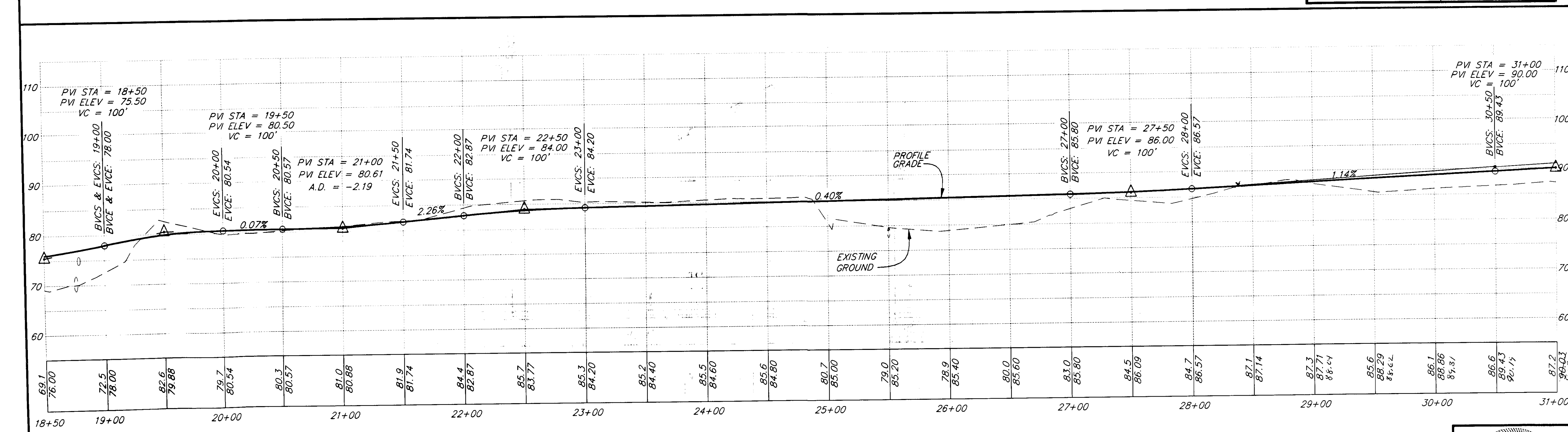
CURVE DATA
 $\Delta = 01^{\circ}00'01''$
 $R = 3000.00'$
 $T = 26.19'$
 $L = 52.38'$

CURVE DATA
 $\Delta = 03^{\circ}49'36''$
 $R = 1000.00'$
 $T = 33.41'$
 $L = 66.79'$

CURVE DATA
 $\Delta = 05^{\circ}42'38''$
 $R = 750.00'$
 $T = 37.41'$
 $L = 74.75'$



ESTIMATED SHEET QUANTITIES	
PAY ITEM	QUANTITY
CLEARING AND GRUBBING	1.07 ACRES
UNCLASSIFIED EXCAVATION	323 C.Y.
BORROW TYPE "C"	1,777 TON



RECORD OF REVISIONS

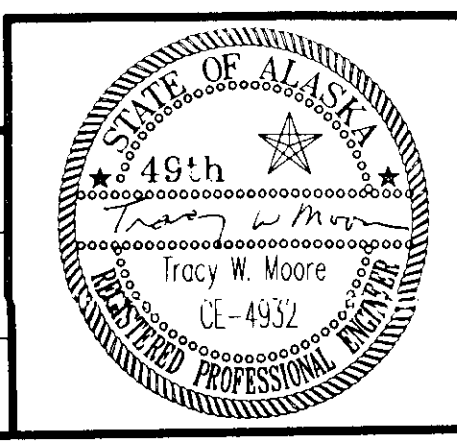
NO.	DATE	DESCRIPTION OF CHANGE

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

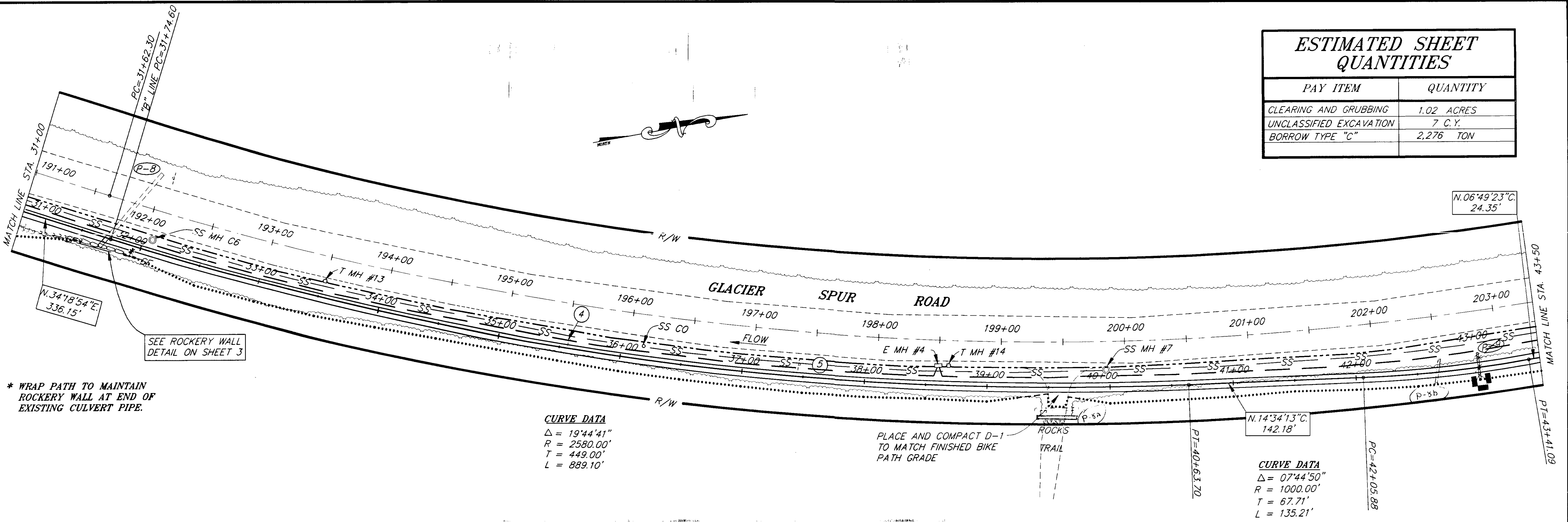
JUNEAU
 GLACIER SPUR BIKE PATH
 TE-0966(19) ~ PROJECT NO. 71521
STA. 28+50 TO STA. 31+00
 PLAN & PROFILE

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

DESIGNED BY: J. GAMBLIN	PROJECT NO. 71521
DRAWN BY: K. KLEMMETSON	DATE: 1995
CHECKED BY: T. MOORE	SHEET 8 OF 13



ESTIMATED SHEET QUANTITIES	
PAY ITEM	QUANTITY
CLEARING AND GRUBBING	1.02 ACRES
UNCLASSIFIED EXCAVATION	7 C.Y.
BORROW TYPE "C"	2,276 TON

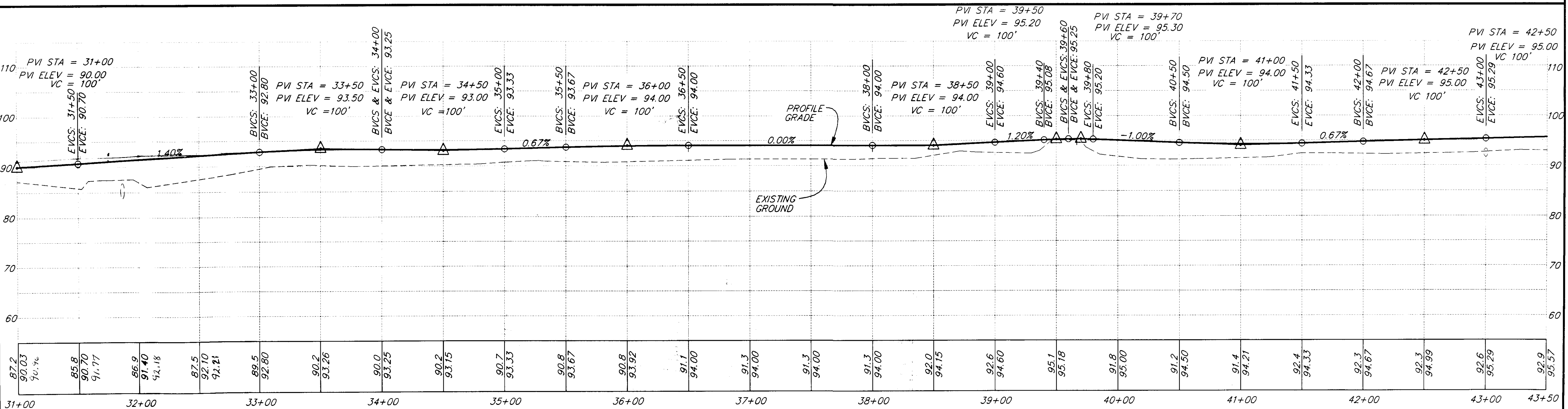


* WRAP PATH TO MAINTAIN ROCKERY WALL AT END OF EXISTING CULVERT PIPE.

CURVE DATA
 $\Delta = 19^{\circ}44'41''$
 $R = 2580.00'$
 $T = 449.00'$
 $L = 889.10'$

PLACE AND COMPACT D-1 TO MATCH FINISHED BIKE PATH GRADE

CURVE DATA
 $\Delta = 07^{\circ}44'50''$
 $R = 1000.00'$
 $T = 67.71'$
 $L = 135.21'$



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: P:\JNU\71521\DR\ -P1910 < PLOT.PCP(40) OR PLOT.PCP(80) >
 BY: DATE: DESCRIPTION OF CHANGE:

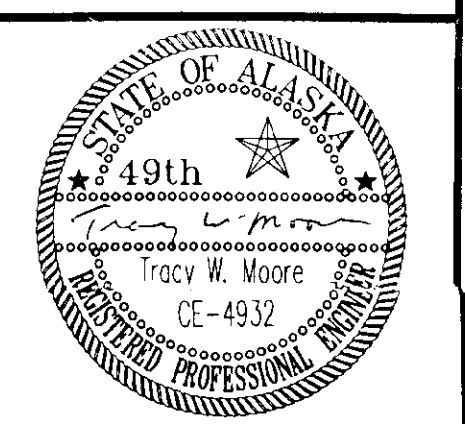
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU

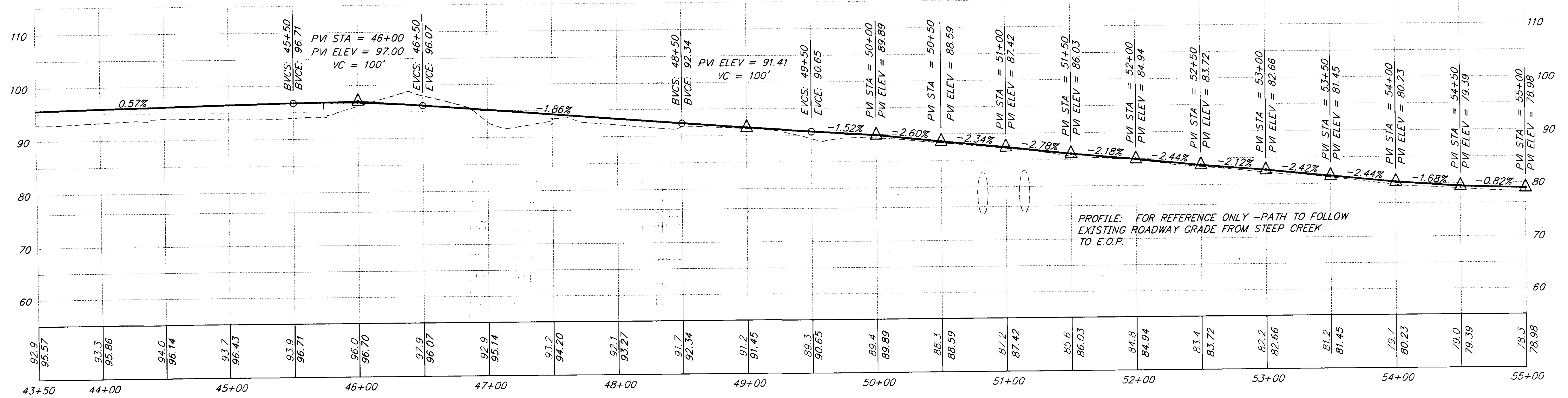
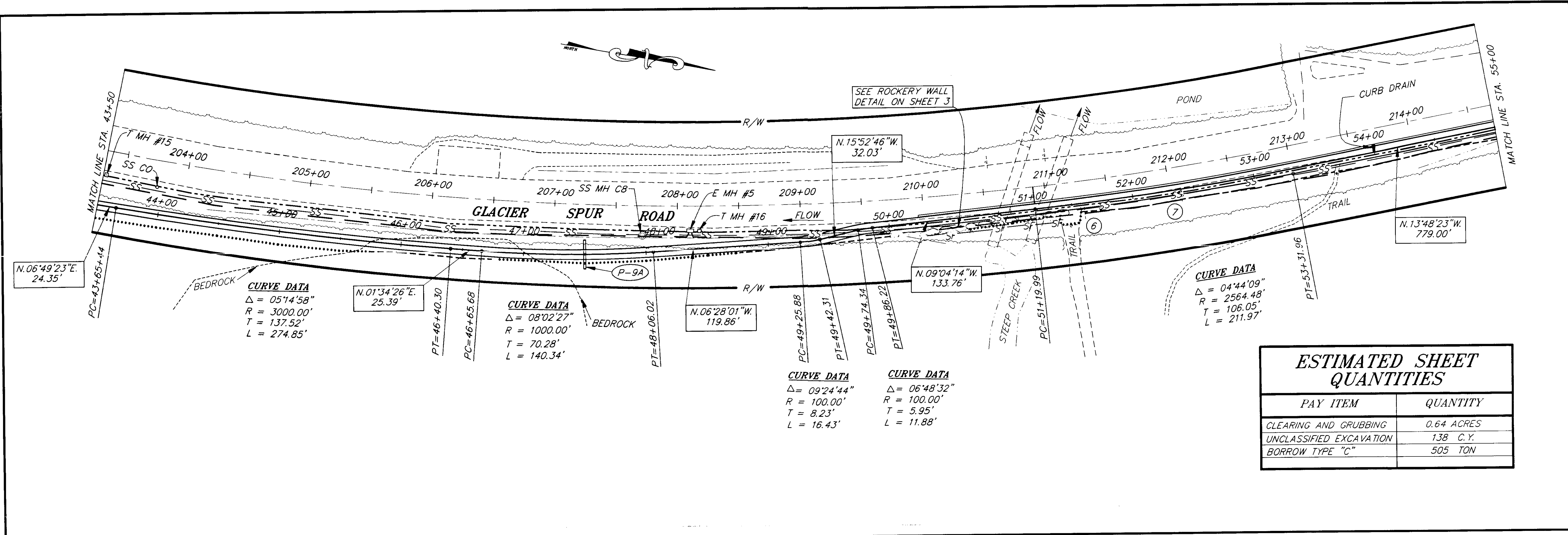
ALASKA
 GLACIER SPUR BIKE PATH
 TE-0966(19) ~ PROJECT NO. 71521
STA. 31+00 TO STA. 43+50
 PLAN & PROFILE

DESIGNED BY:
J. GAMBLIN
 DRAWN BY:
K. KLEMMETSON/CSA
 CHECKED BY:
T. MOORE

PROJECT NO.
71521
 DATE:
1995
 SHEET 9 OF 13



RECORD OF REVISIONS



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: P:\JWU\71521\DR\ -P2030 < PLOT.PCP(40) OR PLOTH.PCP(80) >

BY:	DATE:	DESCRIPTION OF CHANGE:

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

JUNEAU

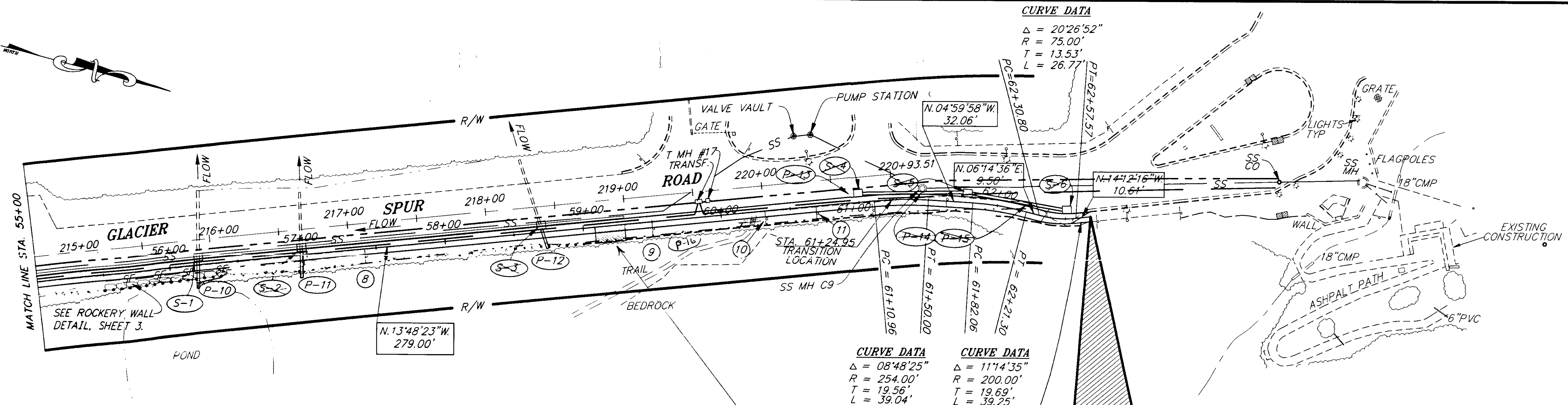
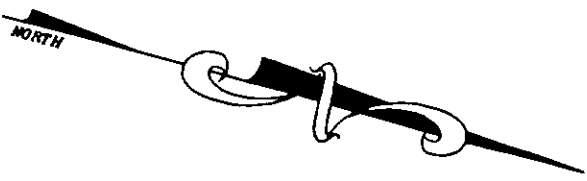
ALASKA
 GLACIER SPUR BIKE PATH
 TE-0966(19) ~ PROJECT NO. 71521
STA. 43+50 TO STA. 55+00
 PLAN & PROFILE

ALASKA

DESIGNED BY:
J. GAMBLIN
 DRAWN BY:
K. KLEMMETSON/CSA
 CHECKED BY:
T. MOORE

PROJECT NO.
71521
 DATE:
1995
 SHEET 10 OF 13



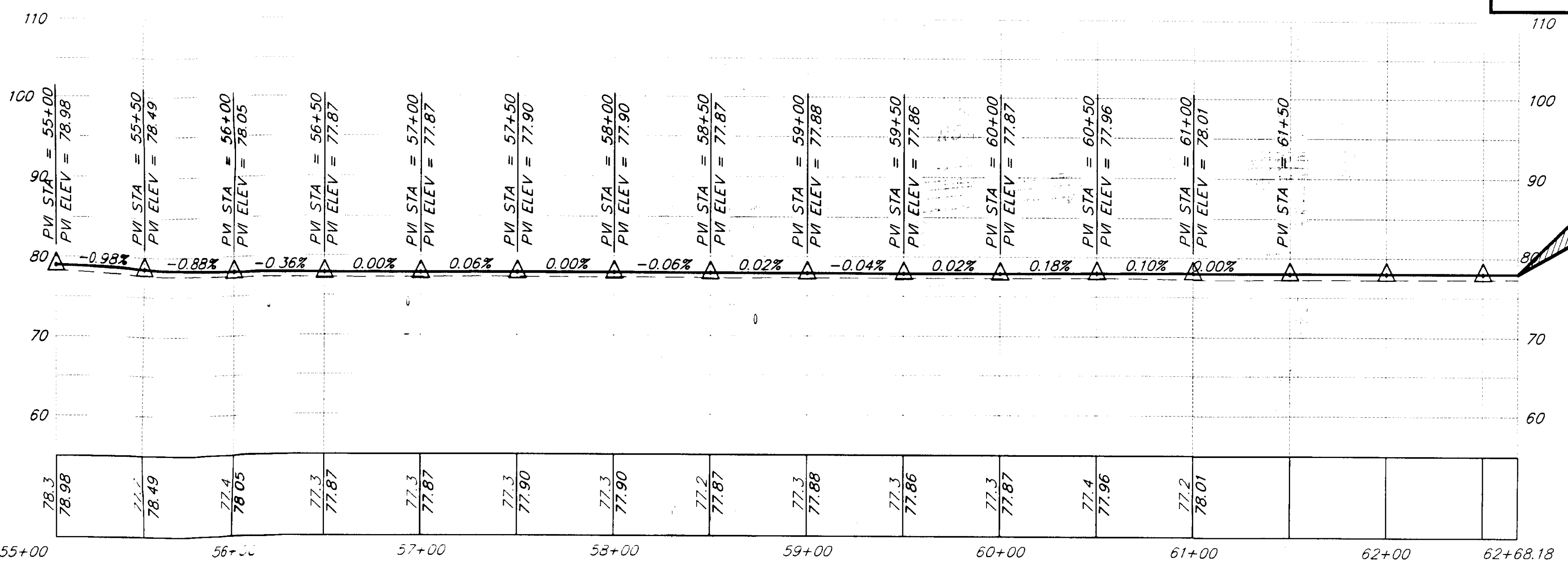


ESTIMATED SHEET QUANTITIES

PAY ITEM	QUANTITY
CLEARING AND GRUBBING	0.08 ACRES
UNCLASSIFIED EXCAVATION	49 C.Y.
BORROW TYPE "C"	207 TON

PAVE 1/2" EXISTING BIKE PATH WITH HOT ASPHALT PAVEMENT AND EXPAND AREA BY 100 FOOT AS DIRECTED BY THE ENGINEER.

END OF PROJECT
TE-0966(19)-71521
"B" LINE STA. 62+68.18
 MATCH INTO EXISTING CURB, GUTTER AND SIDEWALK



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: P:\JNU\71521\DR\--130 < PLOTT.F-1, 40 > OR PLOTT.PCP(80) >

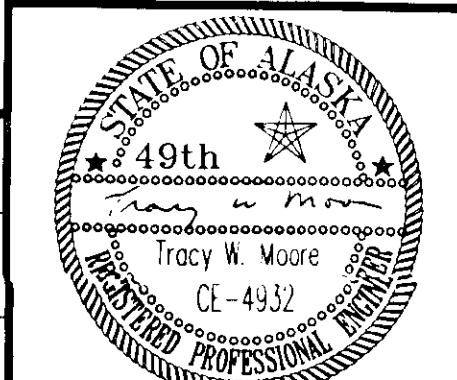
BY:	DATE:	DESCRIPTION OF CHANGE:

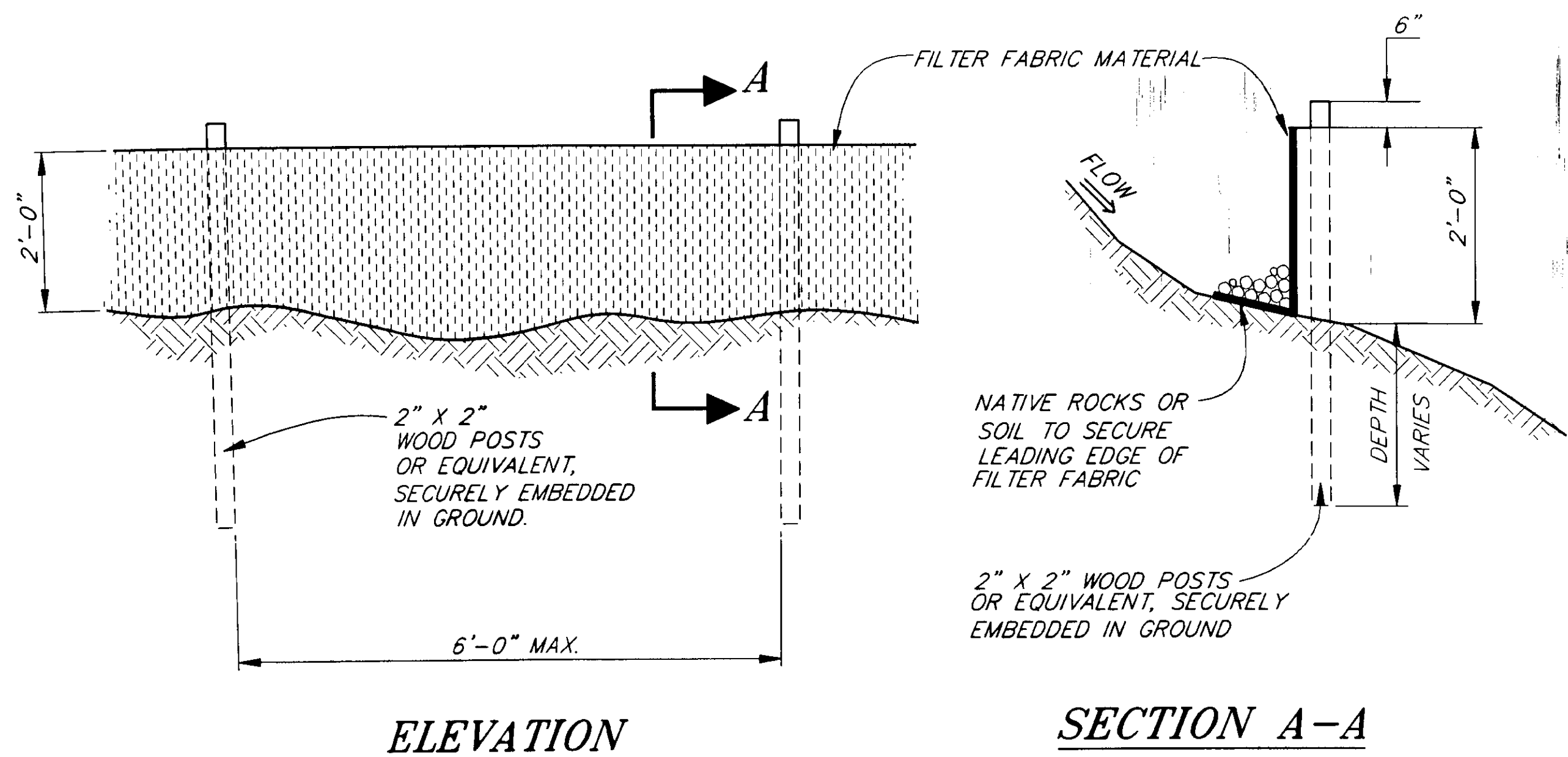
RECORD OF REVISIONS

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

JUNEAU ALASKA
 GLACIER SPUR BIKE PATH
 TE-0966(19) ~ PROJECT NO. 71521
STA. 55+00 TO E.O.P. STA. 61+24.95
 PLAN & PROFILE

DESIGNED BY: J. GAMBLIN	PROJECT NO. 71521
DRAWN BY: K. KLEMMETSON/CSA	DATE: 1995
CHECKED BY: T. MOORE	SHEET 11 OF 13





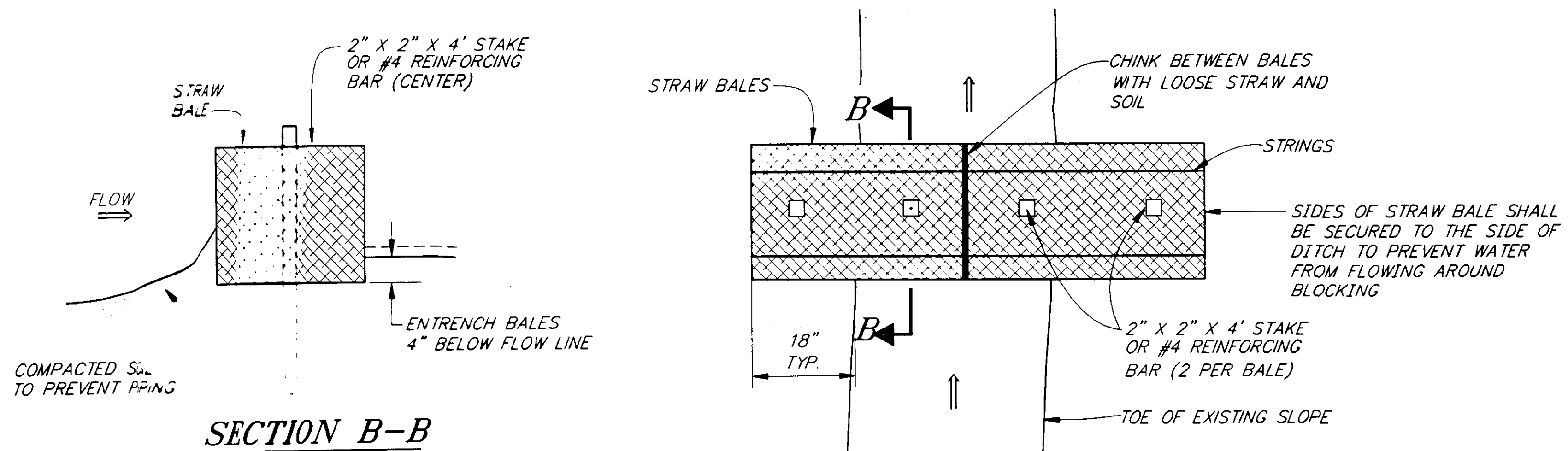
ELEVATION

SECTION A-A

SILT FENCE DETAIL

SILT FENCE SUMMARY				
STATION TO STATION	LT	RT	LENGTH	REMARKS
29+50 TO 31+85		X	235'	
50+50 TO 51+10		X	60'	
55+50 TO 56+50		X	100'	
TOTAL			395'	

NOTE: STRAW BALES SHALL BE MAINTAINED BY REMOVING TRAPPED SEDIMENTS



SECTION B-B

STRAW BALE SEDIMENT FILTER DETAIL

STA. 45+00, AND AS DESIGNATED

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

RECORD OF REVISIONS		
BY:	DATE:	DESCRIPTION OF CHANGE:

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

JUNEAU

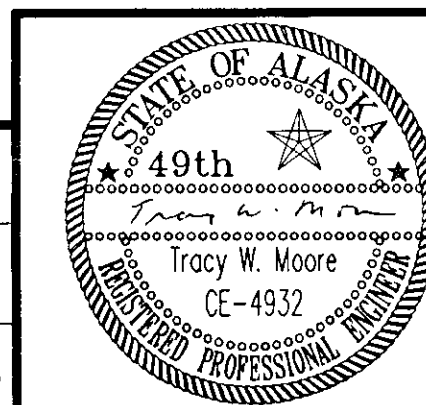
GLACIER SPUR BIKEPATH
 TE-0966(19) ~ PROJECT NUMBER 71521

ALASKA

ENVIRONMENTAL DETAILS

DESIGNED BY:
 J. GAMBLIN
 DRAWN BY:
 K. KLEMMETSON/CSA
 CHECKED BY:
 T. MOORE

PROJECT NO.
 71521
 DATE:
 1995
 SHEET 12 OF 13



Missing page 13