

STATE OF ALASKA DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE PROPOSED HIGHWAY PROJECT

S-0953(I)

FISH CREEK ROAD GRADING, DRAINAGE & BRIDGE

AS BUILT (2)

Rev'd 9-12-75

CONTRACTOR, ALASKA BEATIFICATION, INC.

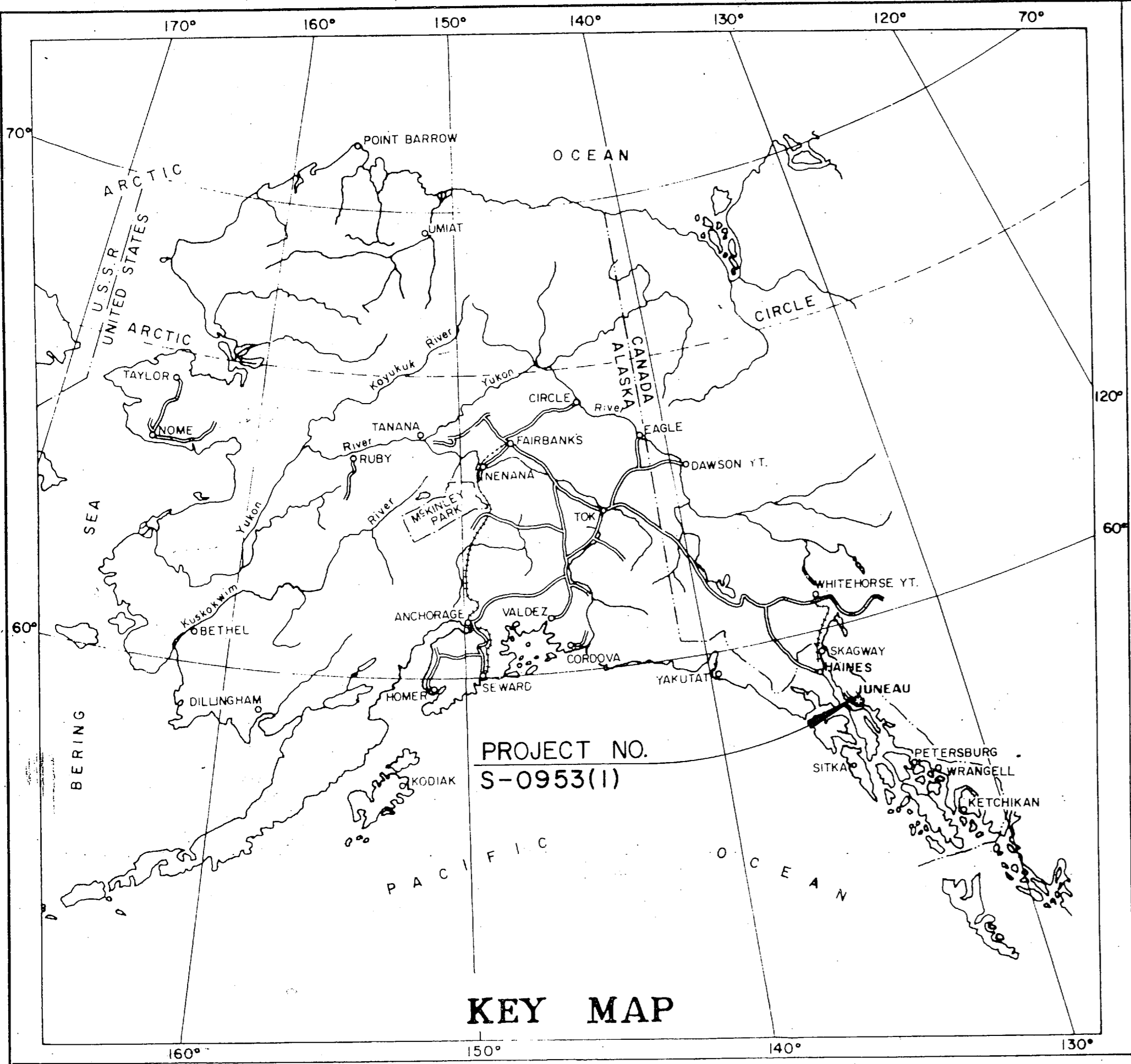
TIME OF CONTRACT- FEB. 22-74
TO
AUG. 25-75

PROJECT ENGR. ROBERT TEMPLETON

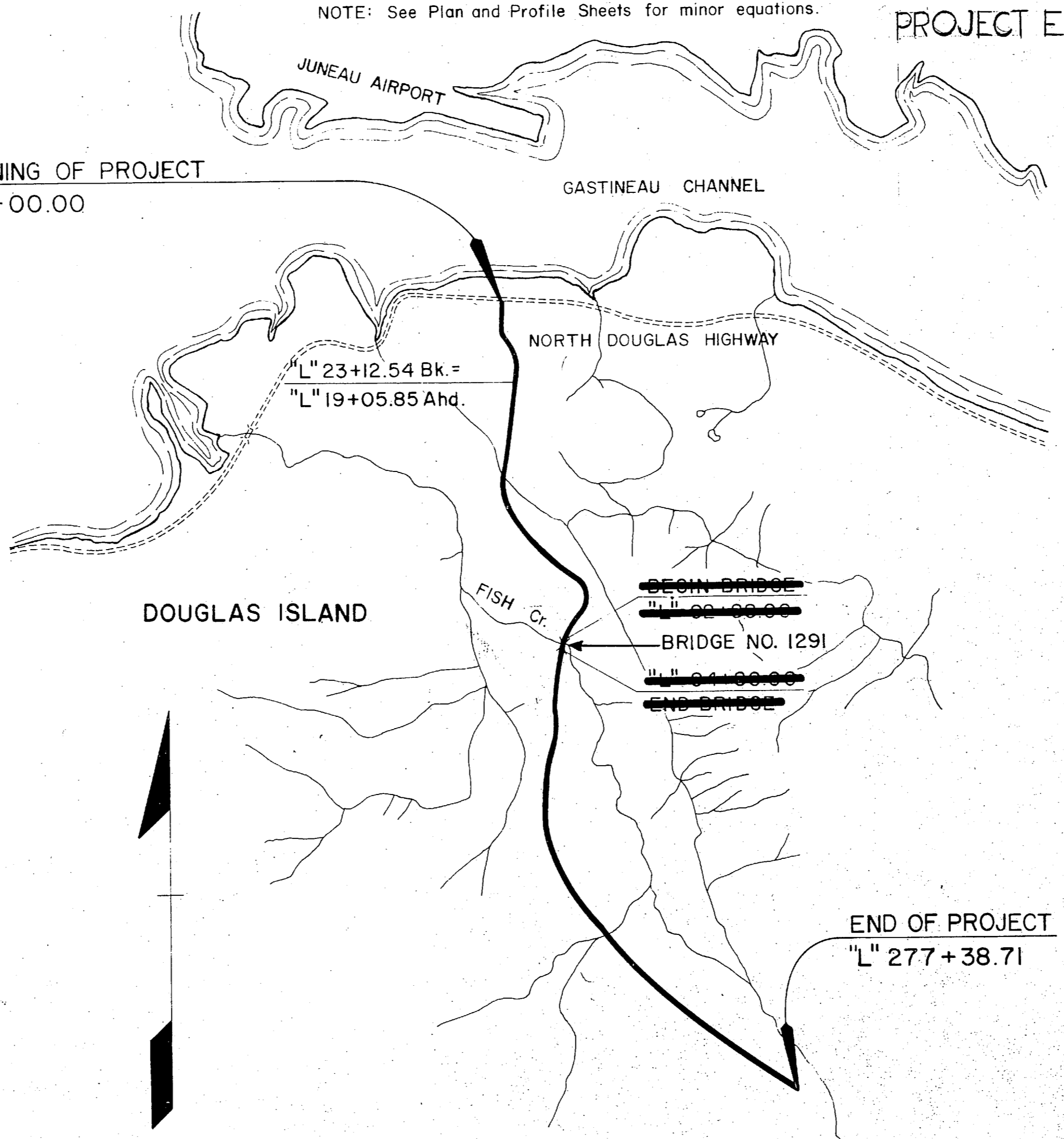
NOTE: See Plan and Profile Sheets for minor equations.

INDEX OF SHEETS	
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2	TYPICAL SECTIONS
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The following Standard Drawing apply to this project: A-1, C-00.00, C-10.00, C-11.00, D-02.00, D-03.00, ~~D-07.00, D-08.00, D-09.00, D-10.00, D-11.00, D-12.00, D-13.00, D-14.00, D-15.00, D-16.00, D-17.00, D-18.00, D-19.00, D-20.00, D-21.00, D-22.00, D-23.00, D-24.00, D-25.00, D-26.00, D-27.00, D-28.00, D-29.00, D-30.00, D-31.00, D-32.00, D-33.00, D-34.00, D-35.00, D-36.00, D-37.00, D-38.00, D-39.00, D-40.00, D-41.00, D-42.00, D-43.00, D-44.00, D-45.00, D-46.00, D-47.00, D-48.00, D-49.00, D-50.00, D-51.00, D-52.00, D-53.00, D-54.00, D-55.00, D-56.00, D-57.00, D-58.00, D-59.00, D-60.00, D-61.00, D-62.00, D-63.00, D-64.00, D-65.00, D-66.00, D-67.00, D-68.00, D-69.00, D-70.00, D-71.00, D-72.00, D-73.00, D-74.00, D-75.00, D-76.00, D-77.00, D-78.00, D-79.00, D-80.00, D-81.00, D-82.00, D-83.00, D-84.00, D-85.00, D-86.00, D-87.00, D-88.00, D-89.00, D-90.00, D-91.00, D-92.00, D-93.00, D-94.00, D-95.00, D-96.00, D-97.00, D-98.00, D-99.00, D-100.00~~



BEGINNING OF PROJECT
"L" 0+00.00



"NOTE"

Due To Nature of Contract, No Grades Are Shown on plans. Grades Were Not Staked Adequately, No Profile of Road Was Taken or Submitted, After Completion of Road Work.

DESIGN DESIGNATION	
ADT (1975) =	180
ADT (1995) =	800
DHV (25%) =	200
D =	25-75
T =	<5%
<hr style="border: 1px solid black;"/>	
35 MPH	

PROJECT SUMMARY	
LENGTH OF 20' GRADING	26,931.64' = 5.101 MILES
LENGTH OF 14' GRADING	458.71' = 0.087 MILES
LENGTH OF EXCEPTION	12.00' = 0.002 MILES
LENGTH OF BRIDGE	192.00' = 0.036 MILES
LENGTH OF PROJECT	= 27,594.35' = 5.226 MILES

STATE OF ALASKA
DEPARTMENT OF HIGHWAYS

APPROVED:
SOUTHEAST DISTRICT ENGINEER DATE

[Signature]
COMMISSIONER OF HIGHWAYS DATE 8-2-73

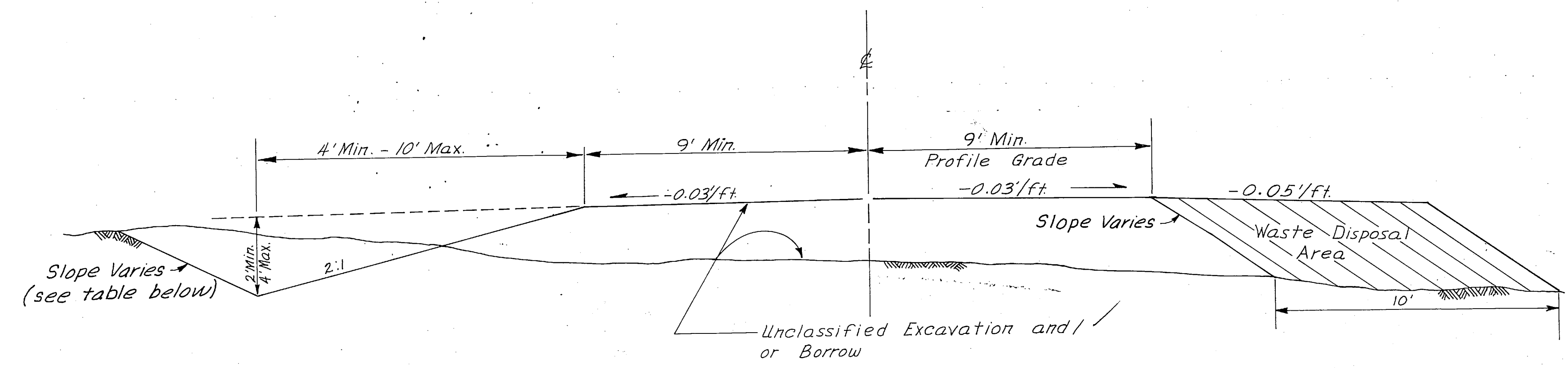
FISH CREEK S-0953(I) AS BUILT

STATION	48" Pipe Conduit	60" Pipe Conduit	8'-2" X 5'-9" Pipe Arch	11'-5" X 7'-3" Pipe Arch	Minimum Channel Opening for Timber Bridges (Sq. Ft.)
174+50		452			100
2-179+00 to 179+14				48	440
213+60			88		120
214+50	40				24
222+82		50			40
233+40	100				24
242+30 to 261+90	4050				24
273+20	5044				24

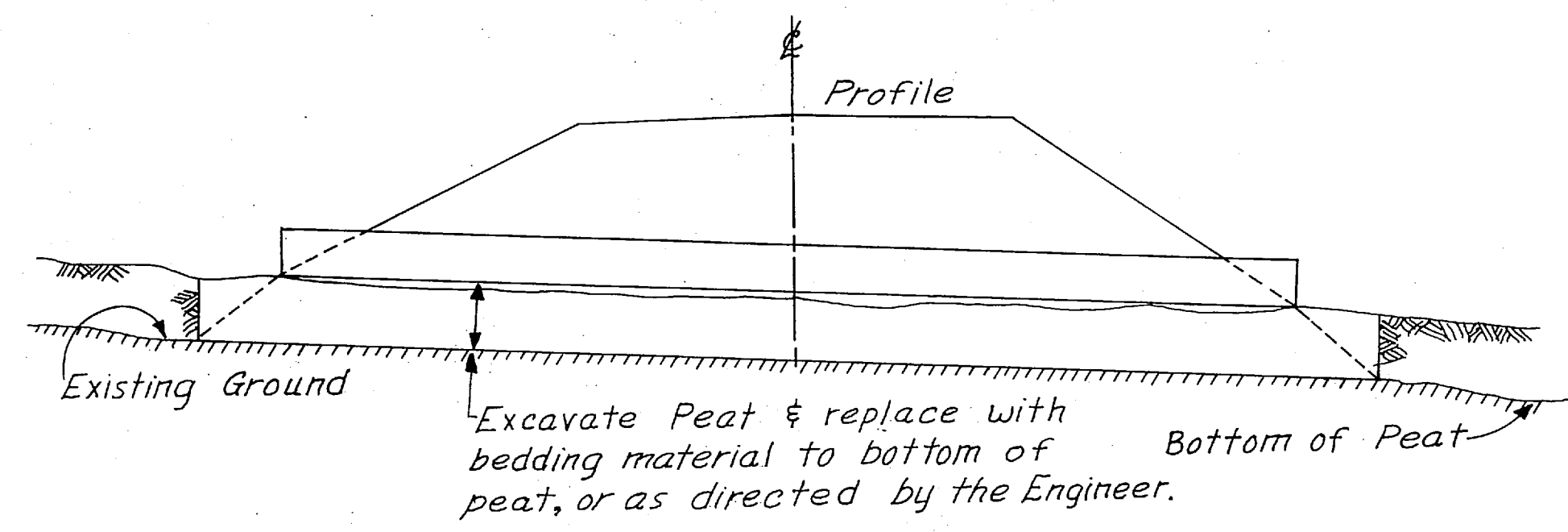
TYPICAL SECTIONS OF IMPROVEMENTS

NOTE: The contractor may furnish native timber bridges at the locations shown in the table in lieu of pipe conduits. The bridges shall meet the following requirements.

1. Bridges shall be designed by the contractor.
2. The bridge design shall conform to AASHO Standards for not less than H.15 live load.
3. The Bridge shall have a minimum clear width of 18'.
4. Minimum Channel Opening for Timber Bridges shall be as shown in the table



- ### GENERAL NOTES
1. The clearing limits shall be to a neat line ten feet beyond the slope limits in cut sections and five feet beyond the slope limits in fill sections or to the R.O.W. limits whichever is less.
 2. The top approximate 12" of the embankment shall be Selected Material. No stone larger than 3" shall be left on the finished surface.
 3. Maximum grade allowed on this project is 11% except intermittent grades of 15% may be used for a maximum length of 1000'.
 4. Slope limits as shown on shts. No. 5-14 are for the ultimate construction.
 5. Profile grade shown on Shts. No. 5-14 does not apply to this project.
 6. All points of grade changes shall have a verticle curve.
 7. Clearing will be required in waste disposal areas within the R.O.W. Waste material shall not be placed around living trees.

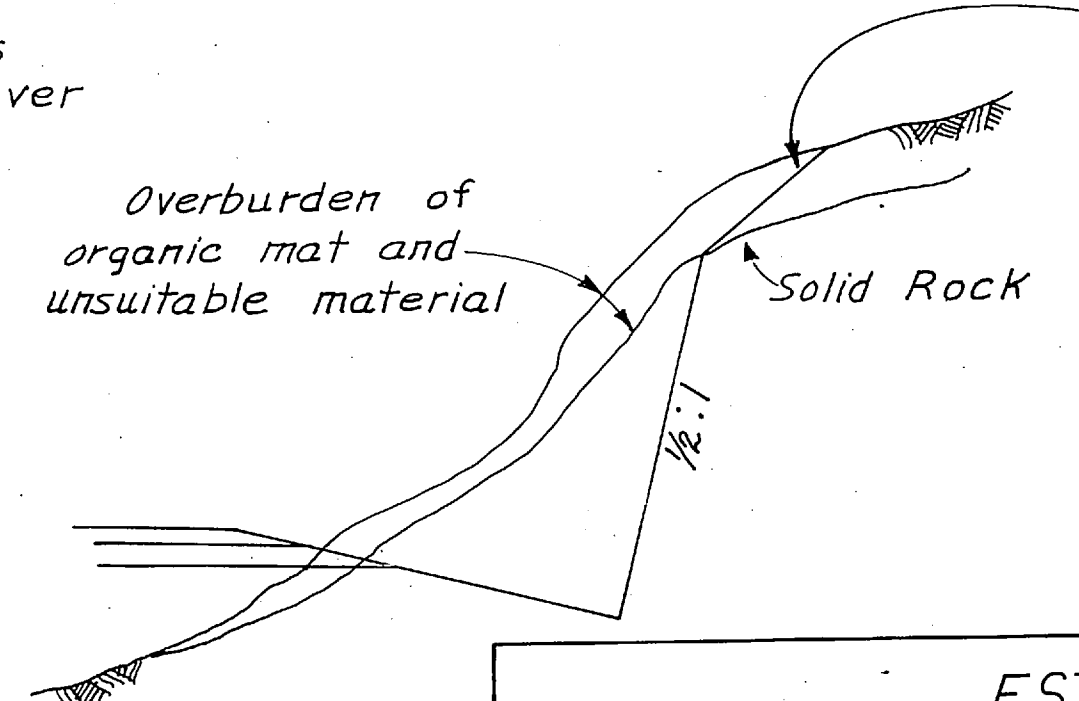


* DETAIL FOR SOLID ROCK CUTS

Note: From "L" 0+50 to "D" 3+00 Cut slopes shall be 1 1/2:1 or to R.O.W. limits whichever is less.

Station	Lt	Rt
"L" 0+12	1 1/2:1	1 1/2:1
"L" 92+88	1 1/2:1	1 1/2:1
"L" 94+80	1 1/2:1	1 1/2:1
"L" 192+50	1 1/2:1	1 1/2:1
"L" 212+00	1 1/2:1	1 1/2:1
"L" 277+38	1 1/2:1	1 1/2:1

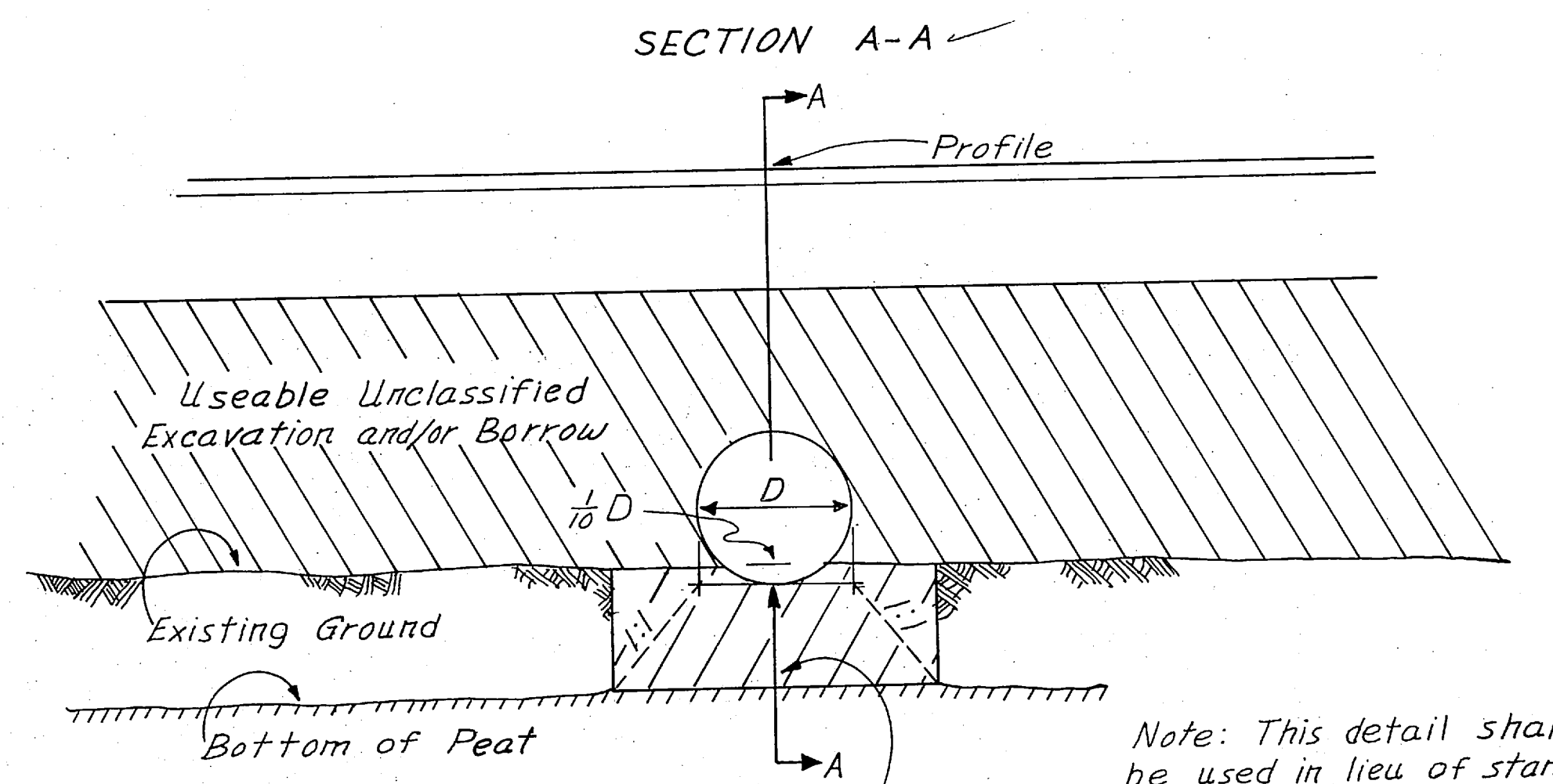
* Solid Rock cut slopes shall be 1/2:1. See Detail.



The slope from top of solid rock to surface of original ground shall be as steep as the condition of the type of material will stand without sluffing until seeding can be accomplished. In areas of excessive moisture temporary soil stabilization and erosion controls shall be utilized as specified in section III of the specifications.

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL
111	Temporary Erosion & Pollution Control	Cont. Sum	All Req'd
515(1)	Fish Creek Bridge	Lump Sum	All Req'd
603(22g)	24" Pipe Conduit	L.F.	3139
800(1)	Roadway Construction	Lump Sum	All Req'd



BEDDING DETAIL FOR PEAT AREAS

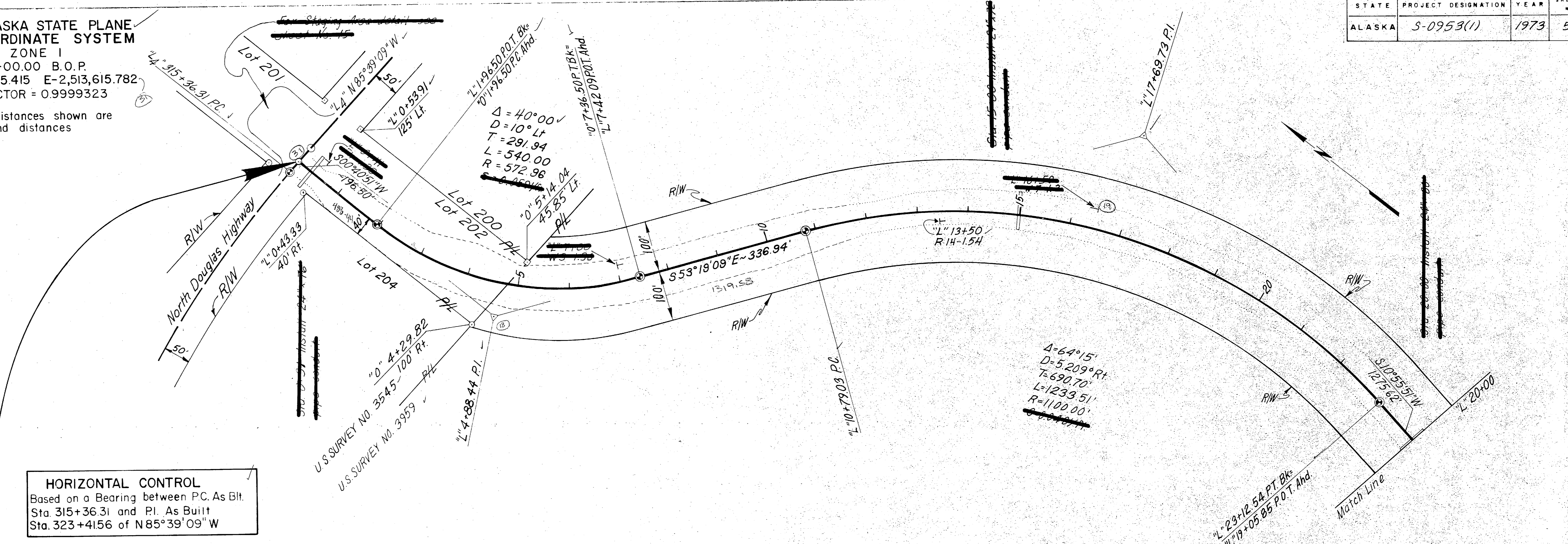
Note: This detail shall be used in lieu of standard drawing D-02.00 in peat areas, or as directed by the Engineer.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0953(1)	1973	5	20

**ALASKA STATE PLANE
CO-ORDINATE SYSTEM**

ZONE 1
"L" 0+00.00 B.O.P.
N-2,378,015.415 E-2,513,615.782
SCALE FACTOR = 0.9999323

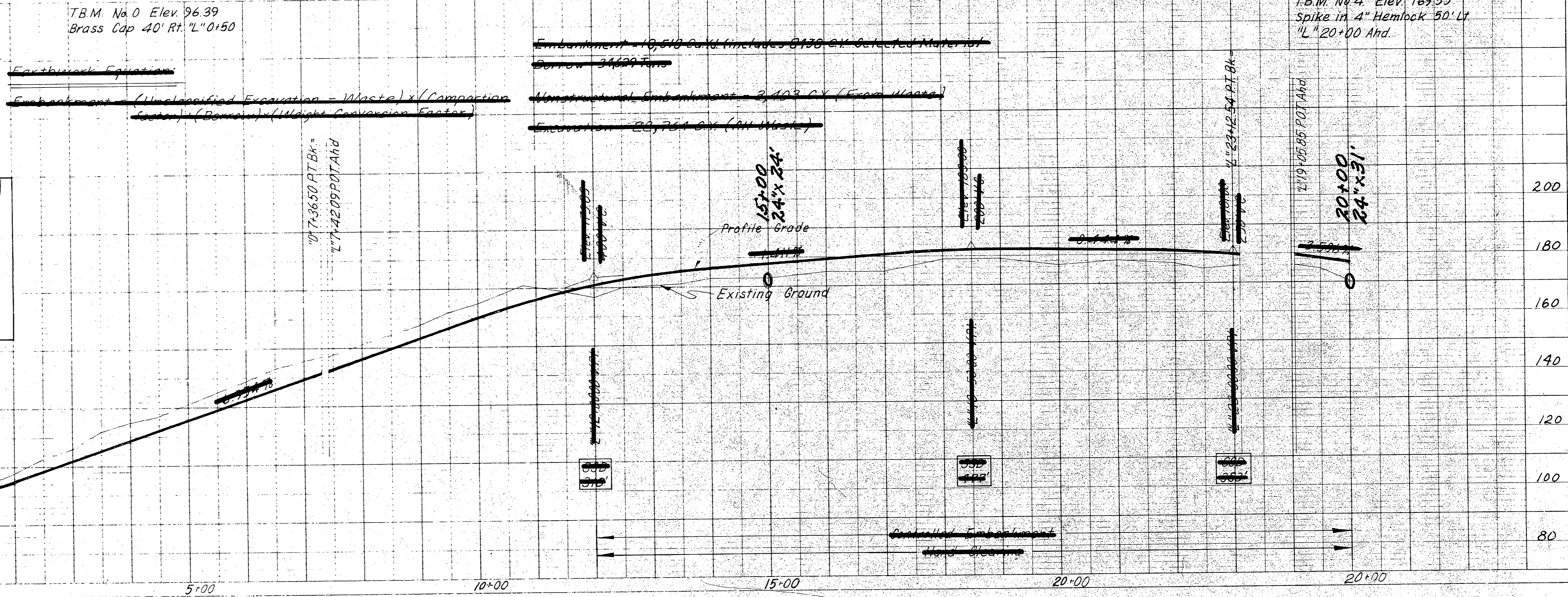
Note: All distances shown are ground distances



HORIZONTAL CONTROL
Based on a Bearing between P.C. As Bt.
Sta. 315+36.31 and P.I. As Built
Sta. 323+41.56 of N85°39'09"W

BEGIN PROJECT
S-0953(1)
NORTH DOUGLAS HIGHWAY
As Built S-0959(6), 315+21.32
"L" 0+00.00
FISH CREEK ROAD

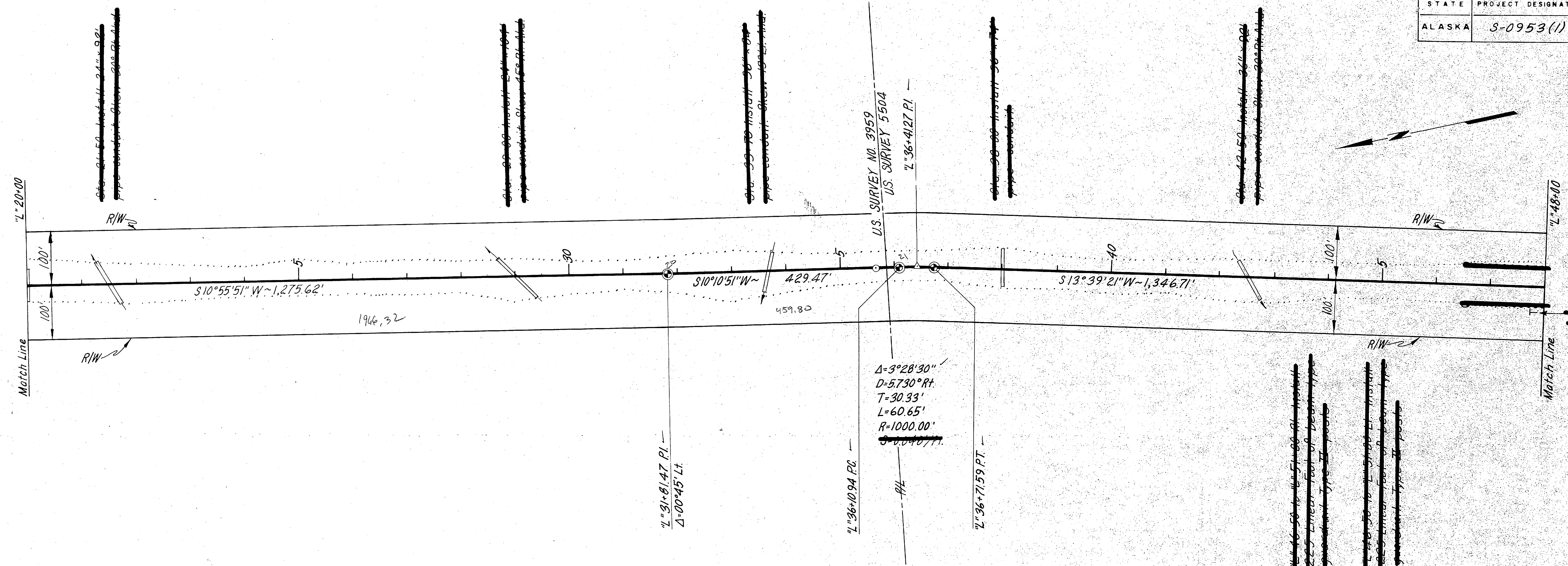
VERTICAL CONTROL
Based on brass cap property corner
No. 4 of Lot 202 & No. 1 of Lot
204 USS 3545
40' Rt. of Sta. "L" 0+50
Assumed Elev. 96.39
VERTICAL EQUATION
B.O.P. 0+00 Elev. 97.79
North Douglas 315+21.32 Elev. 74.53



DATE	BY	REVISION

DATE	BY	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0953 (1)	1973	6	20



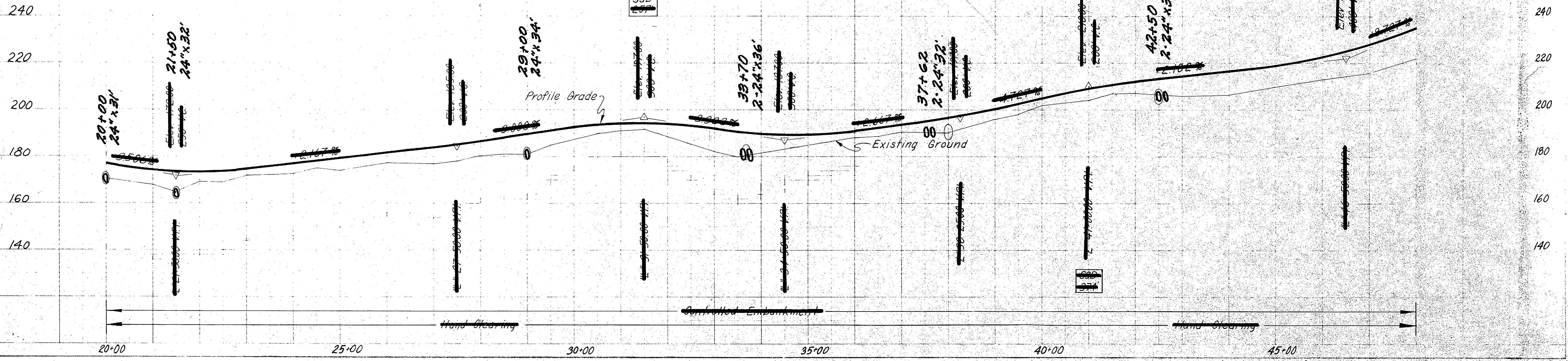
T.B.M. No. 5 Elev. 177.52' ✓
Spike in 10" Hemlock 75' Rt.
"L" 25+00

T.B.M. No. 6 Elev. 193.43' ✓
Spike in 6" Spruce 100' Lt.
"L" 31+50

T.B.M. No. 7 Elev. 190.46' ✓
Spike in 24" Spruce 50' Lt.
"L" 36+10.94

T.B.M. No. 8 Elev. 210.06' ✓
Spike in 14" Hemlock 60' Rt.
"L" 44+25

Embankment 30,199 C.Y. (Includes 11,981 C.Y. Selected Material)
~~Gravel 7,320 Tons~~
 Nonstructural Embankment = 11,622 C.Y. (Figure 4 notes)
 Excavation 9 C.Y.



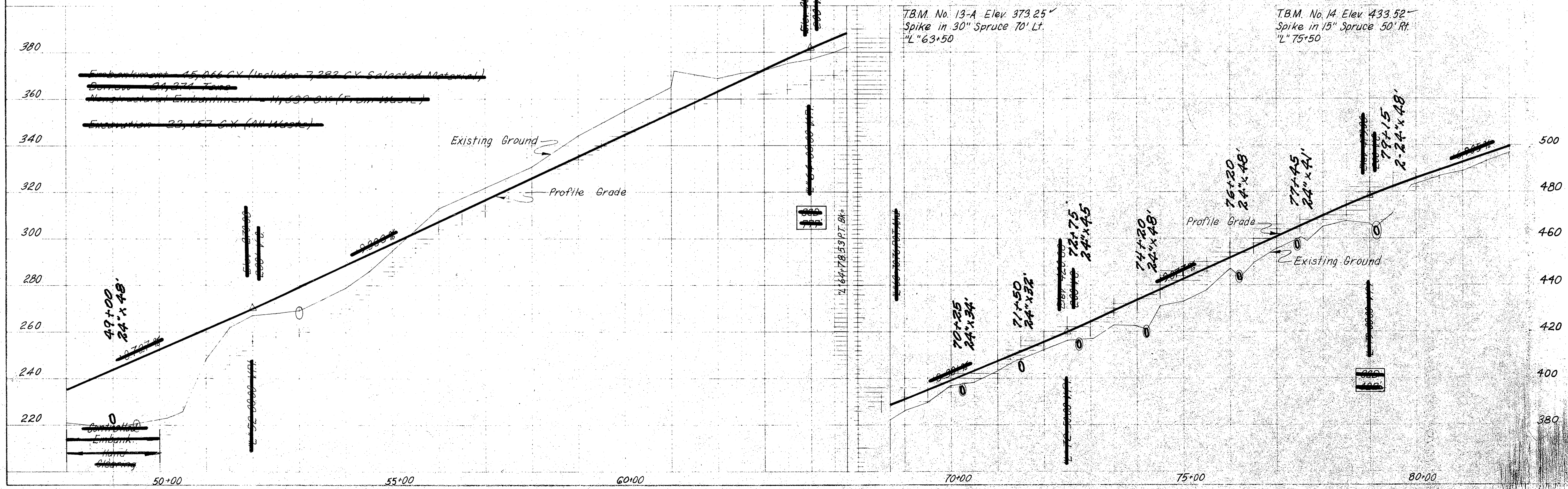
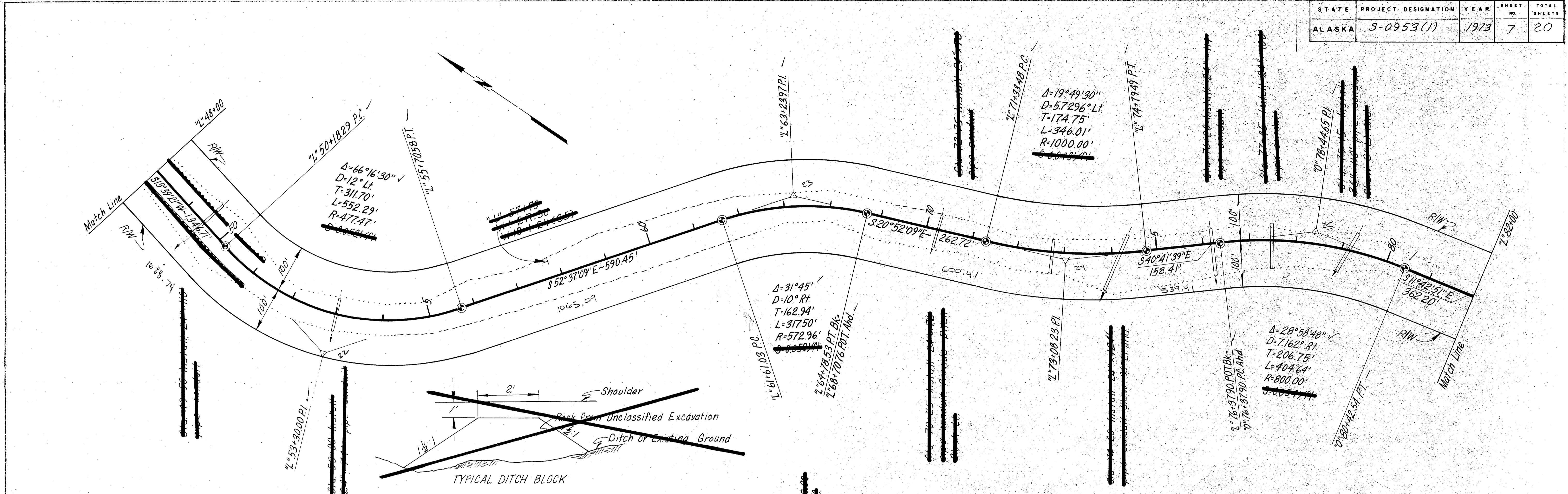
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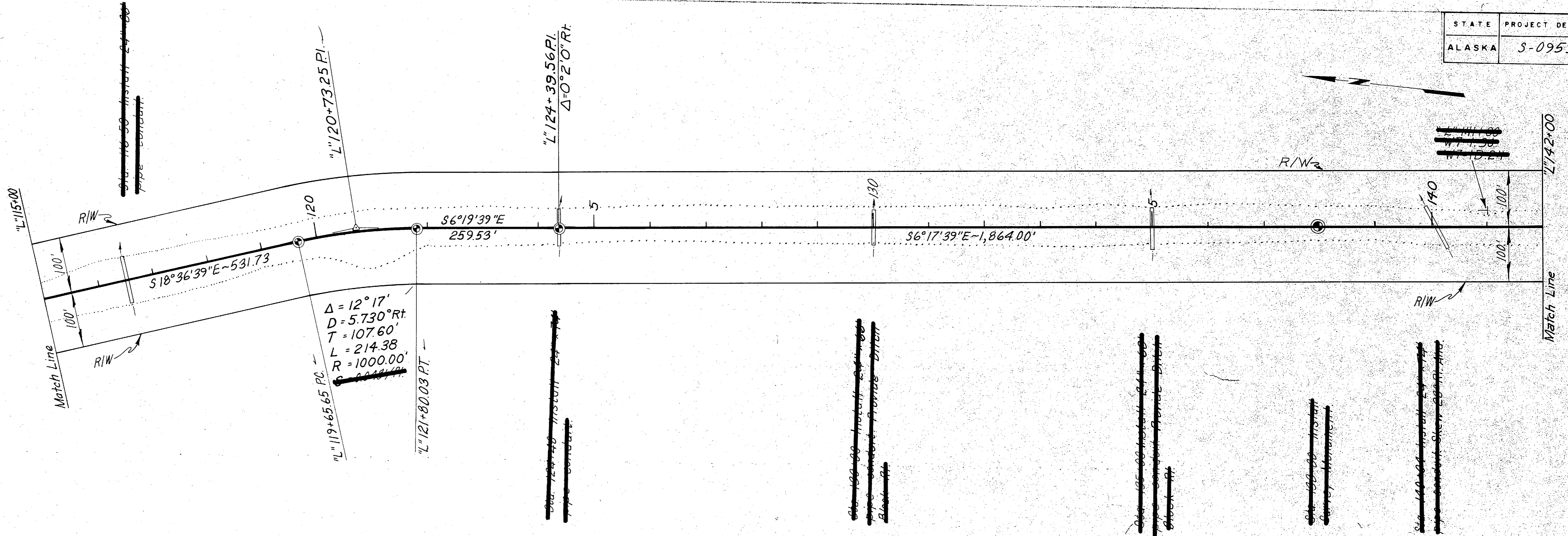
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ALASKA	S-0953(1)	1973	7	20

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 GRADES CHECKED
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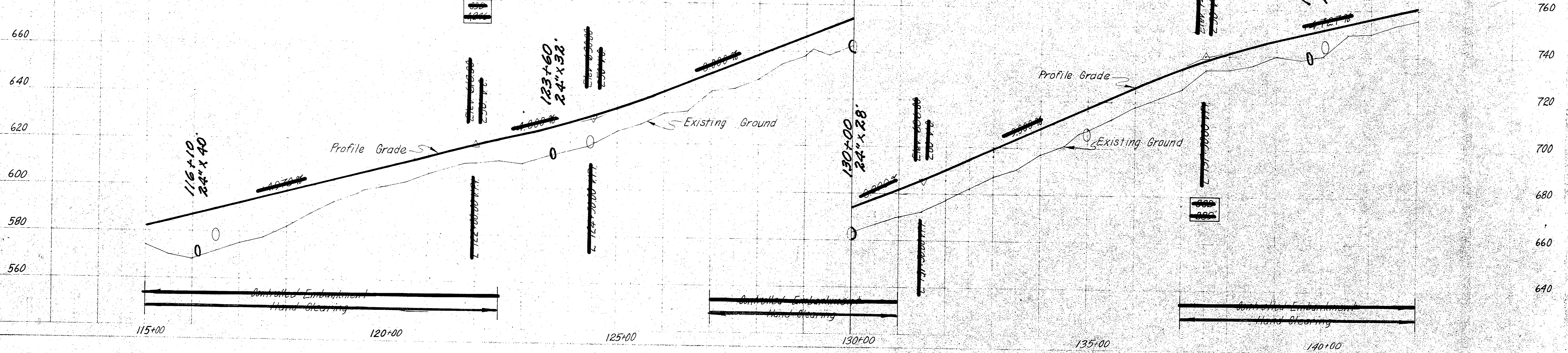


T.B.M. No 21 Elev. 597.16
Spike in 12" Spruce 100' Lt
"L" 120+00

T.B.M. No 22 Elev. 645.24
Spike in 24" Hemlock 100' Lt
"L" 128+50

T.B.M. No 23 Elev. 712.46
Spike in 18" Spruce 100' Rt
"L" 137+50

- Embankment * 53,522 C.Y. (Includes 14,097 C.Y. Selected Material)
- * 25,036 C.Y. From Unclassified Excavation, Sheet No. 12
- Reservoir 19,067 Tons
- Structural Embankment 3,215 C.Y. (From Waste)
- Excavation 8 C.Y.

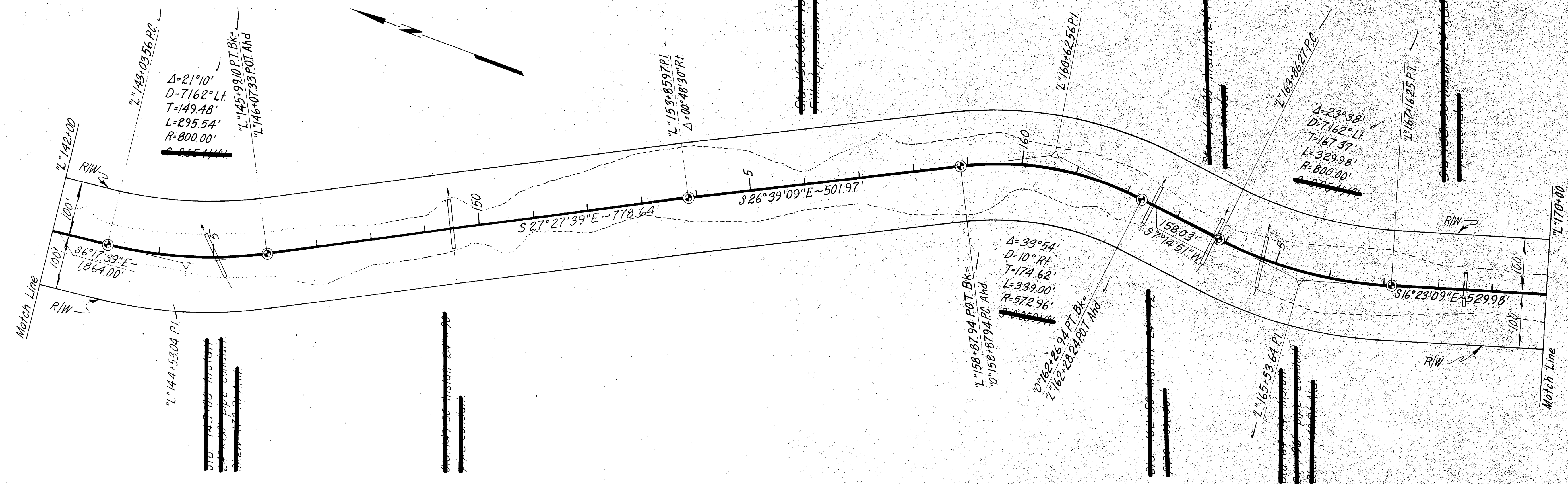


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STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0953(1)	1973	10	20

DATE: _____ BY: _____
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T.B.M. No 24 Elev 769.34
 Spike in 18" Spruce 100' Rt.
 "L" 144+50

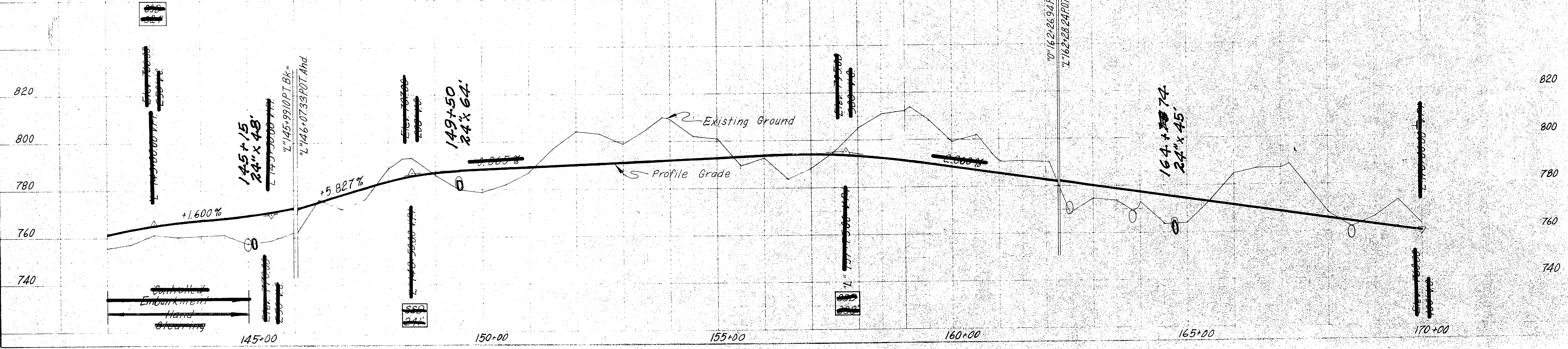
T.B.M. No 25 Elev 791.61
 Spike in 6" Spruce 100' Rt.
 "L" 153+50

T.B.M. No 26 Elev 806.25
 Spike in 48" Hemlock 60' Lt.
 "L" 159+10.17 PC

T.B.M. No 27 Elev 759.62
 Spike in 30" Hemlock 75' Lt.
 "L" 169+50

- Embankment * 13,877 CY (Includes 7,913 CY Selected Material)
- * 18,257 CY From the existing Embankment
- Remove 13,675 Tons
- Nonstructural Embankment - 2,051 CY Fines Material
- Excavation - 71,446 CY (Includes 25,659 CY of Material)

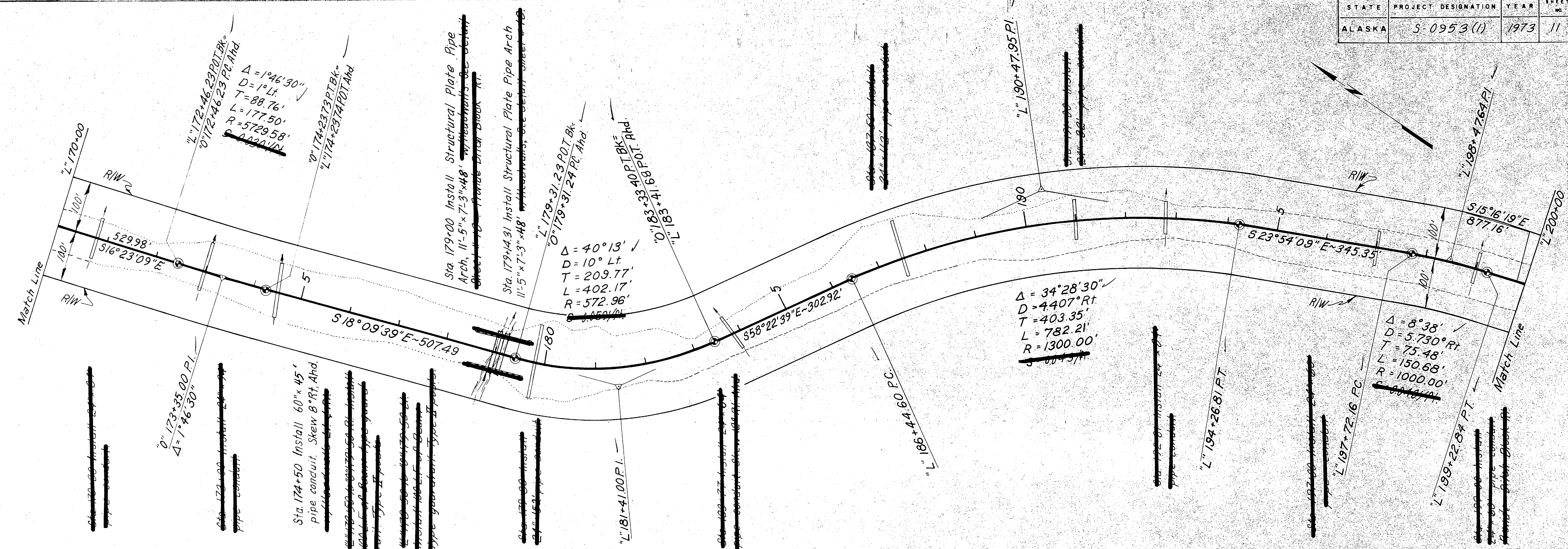
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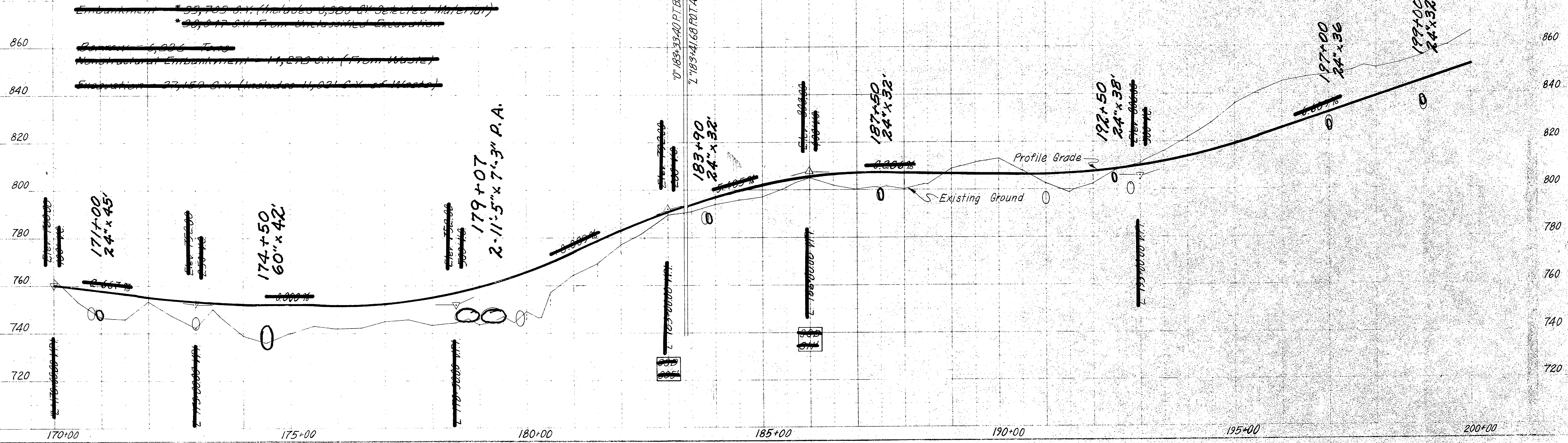
T.B.M. No. 28 Elev. 750.02
 Spike in 48" Hemlock 70' Rt.
 "L" 177+50

T.B.M. No. 29 Elev. 752.53
 Spike in 6" Hemlock 100' Rt.
 "L" 180+31.18 P.C.

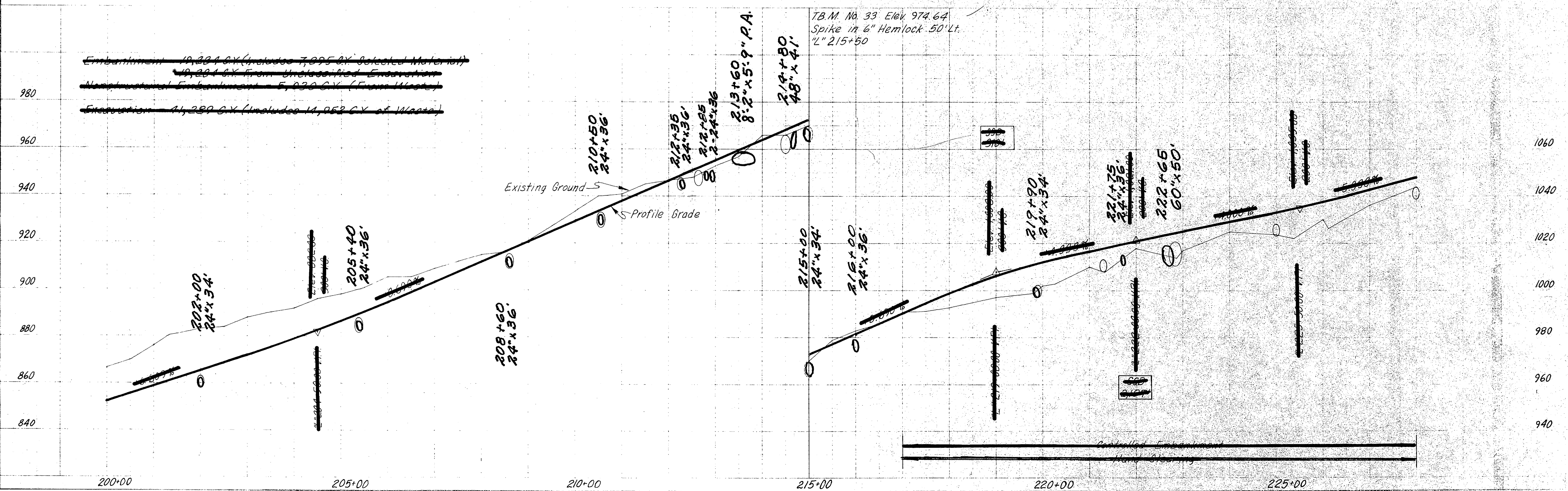
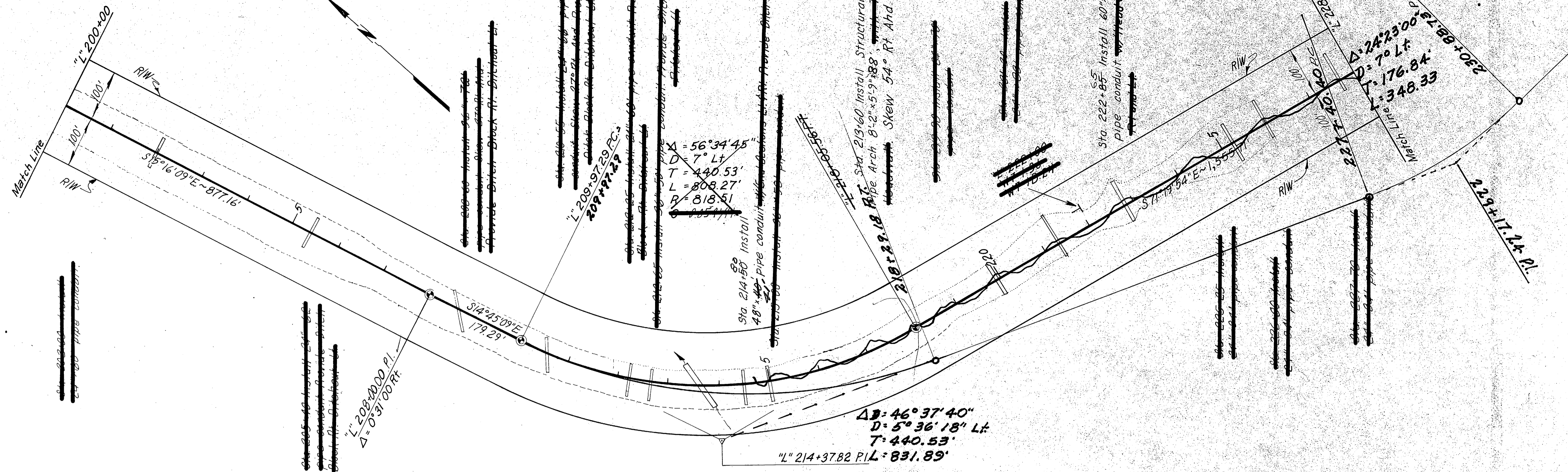
T.B.M. No. 30 Elev. 818.26
 Spike in 18" Spruce 100' Rt.
 "L" 188+50

T.B.M. No. 31 Elev. 883.24
 Spike in 14" Hemlock 60' Lt.
 "L" 197+50

- Embankment * 33,785 C.Y. (Includes 6,500 C.Y. Selected Material)
- * 38,817 C.Y. From Unclassified Excavation
- Concrete Embankment 11,278 C.Y. (From 166312)
- Excavation 23,159 C.Y. (Includes 4,001 C.Y. of Waste)



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0953(1)	1973	12	20

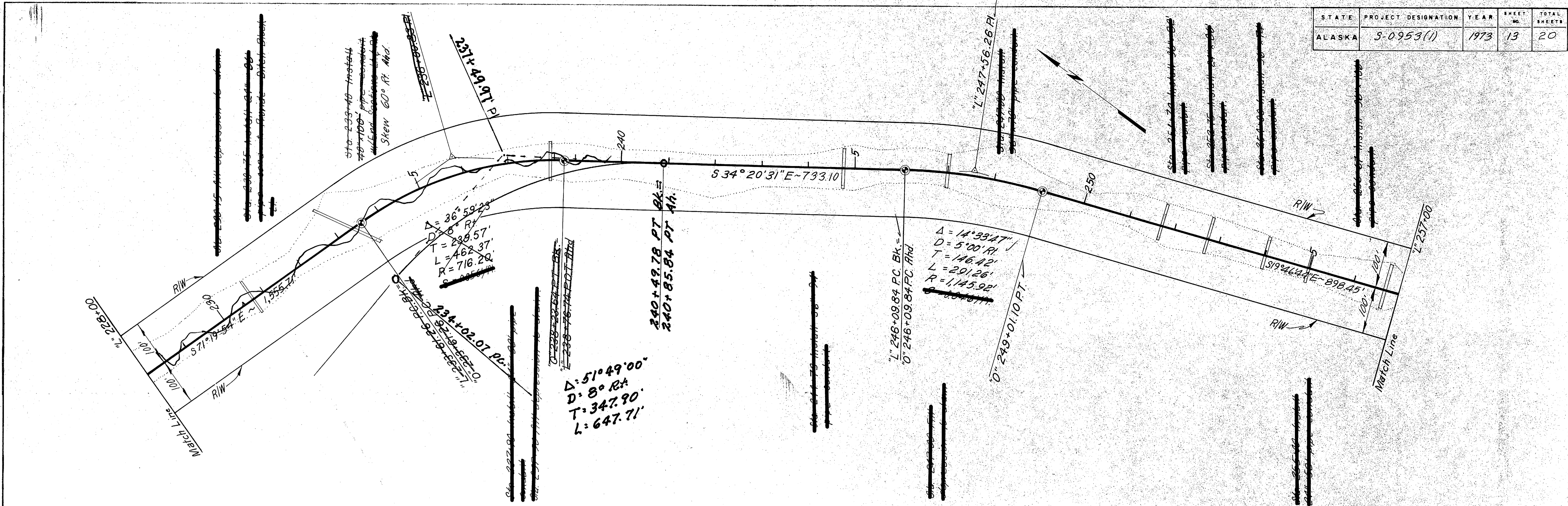


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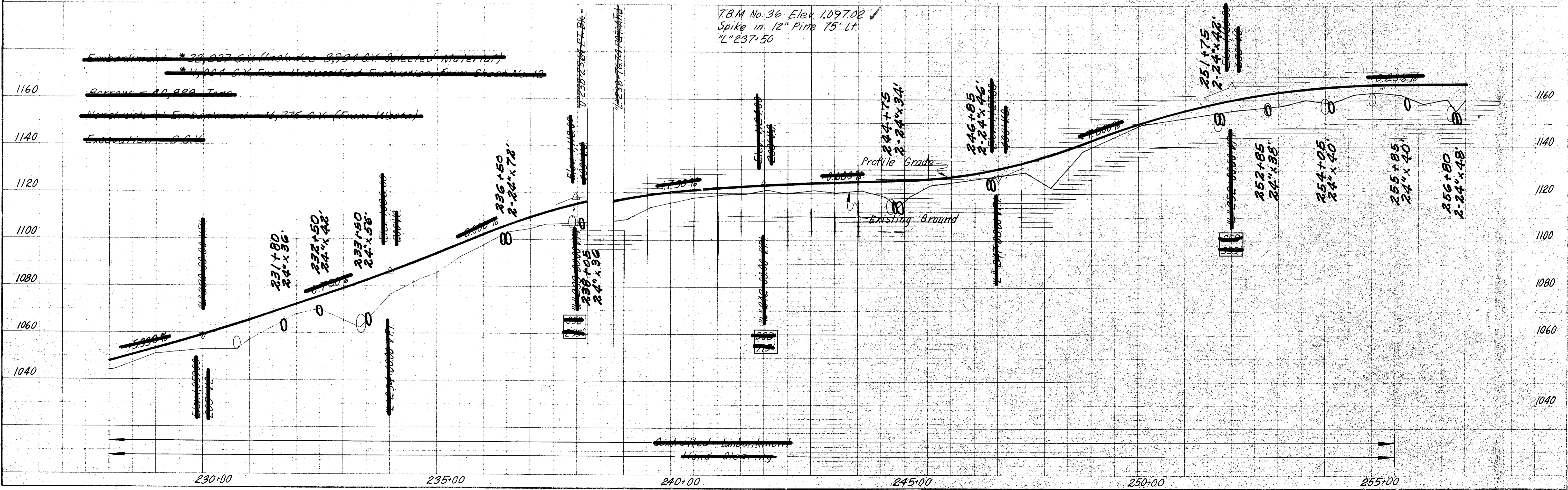
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STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	3-0953(1)	1973	13	20

PLAN	DATE	BY
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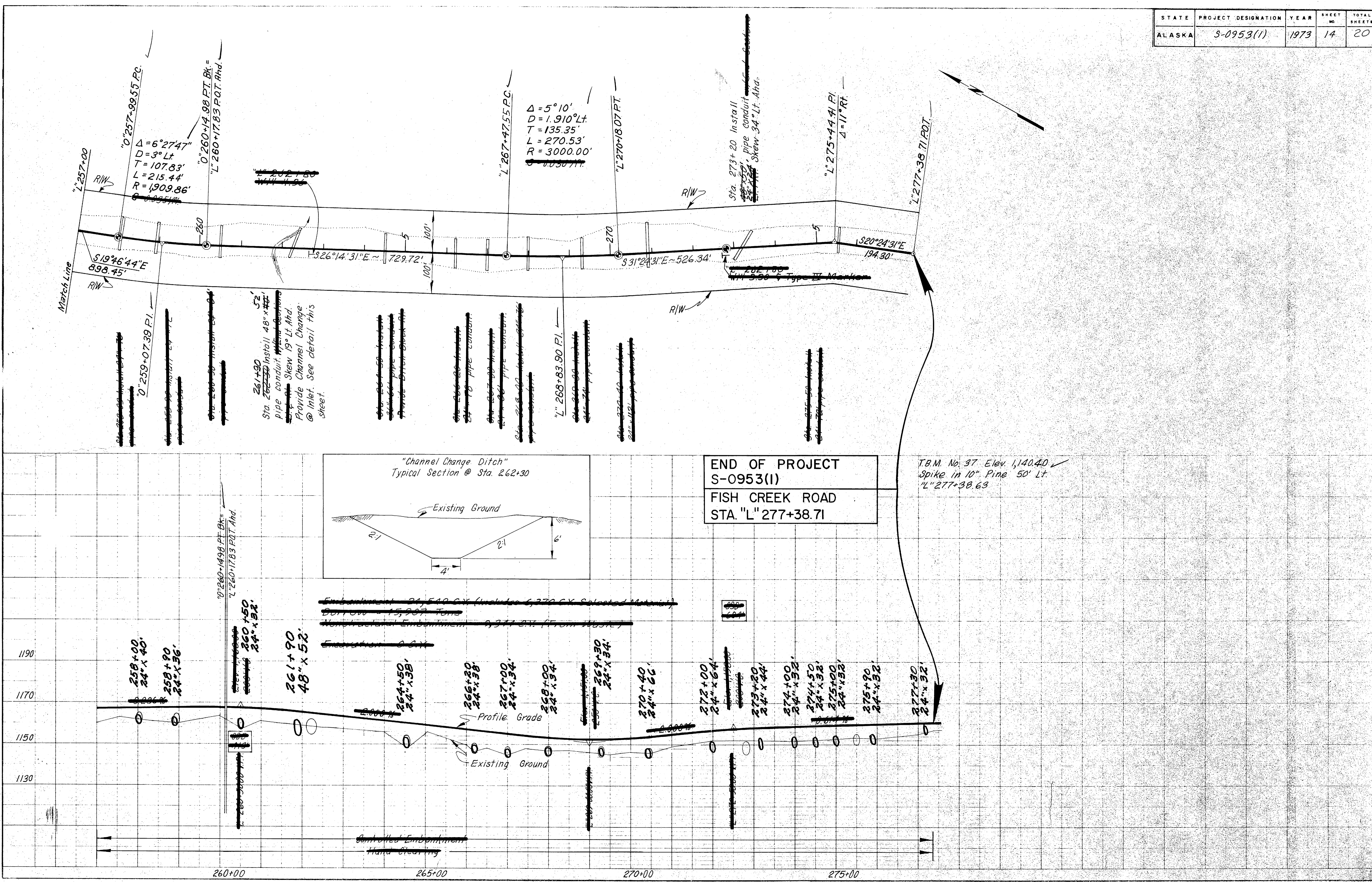


PROFILE	DATE	BY
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 DATE: _____
 NOTE BOOK: _____
 NO. OF WAYS CHECKED: _____

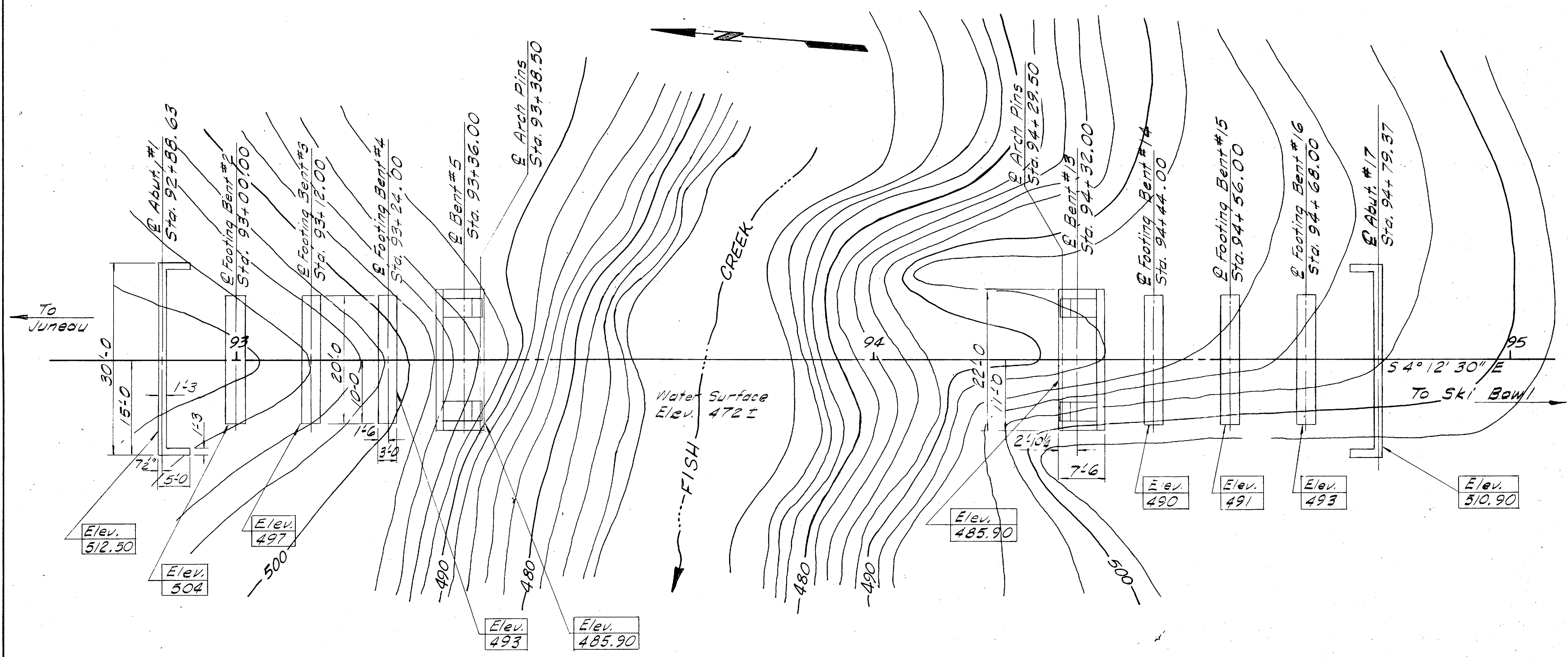
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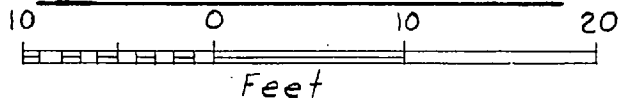
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0953 (I)	1973	15	20

GENERAL NOTES

The abutments & Footing Bents shown on this site plan pertain to the Ultimate bridge.



SITE PLAN



Note: Elevations shown Elev. are to bottom of Footings.

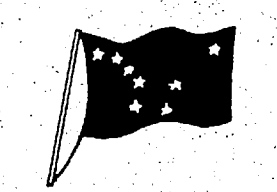
Contours from U.S. Forest Service

Designed By: _____ Date: _____
 Checked By: _____ Date: _____
 Traced By: _____ Date: _____

FISH CREEK BRIDGE
 Route No. S-953
SITE PLAN

State of Alaska
DEPARTMENT OF HIGHWAYS
 Juneau, Alaska

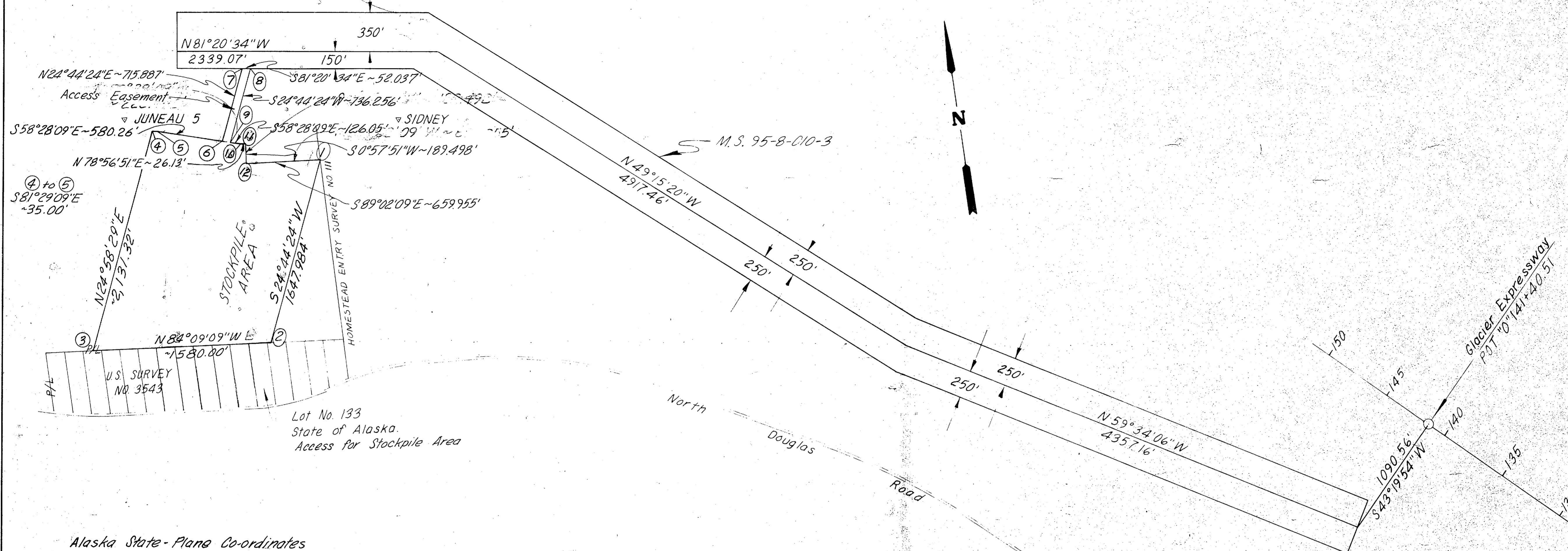
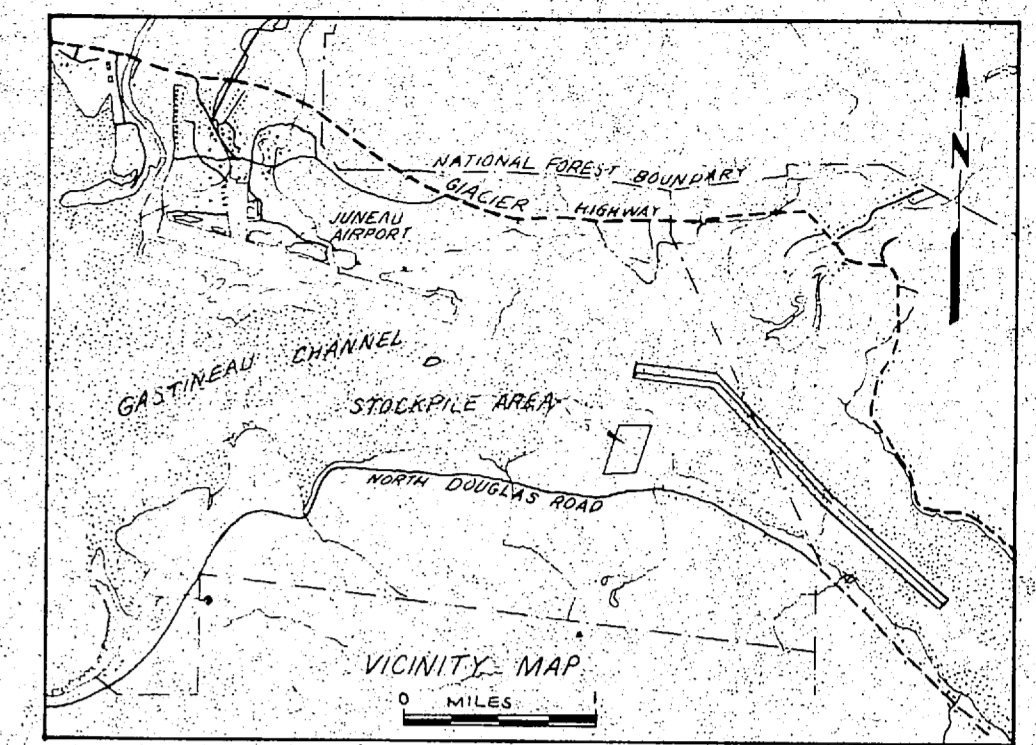
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 Approved: *Whitely*



BRIDGE NO. 1291
 DWNG. NO. 2898

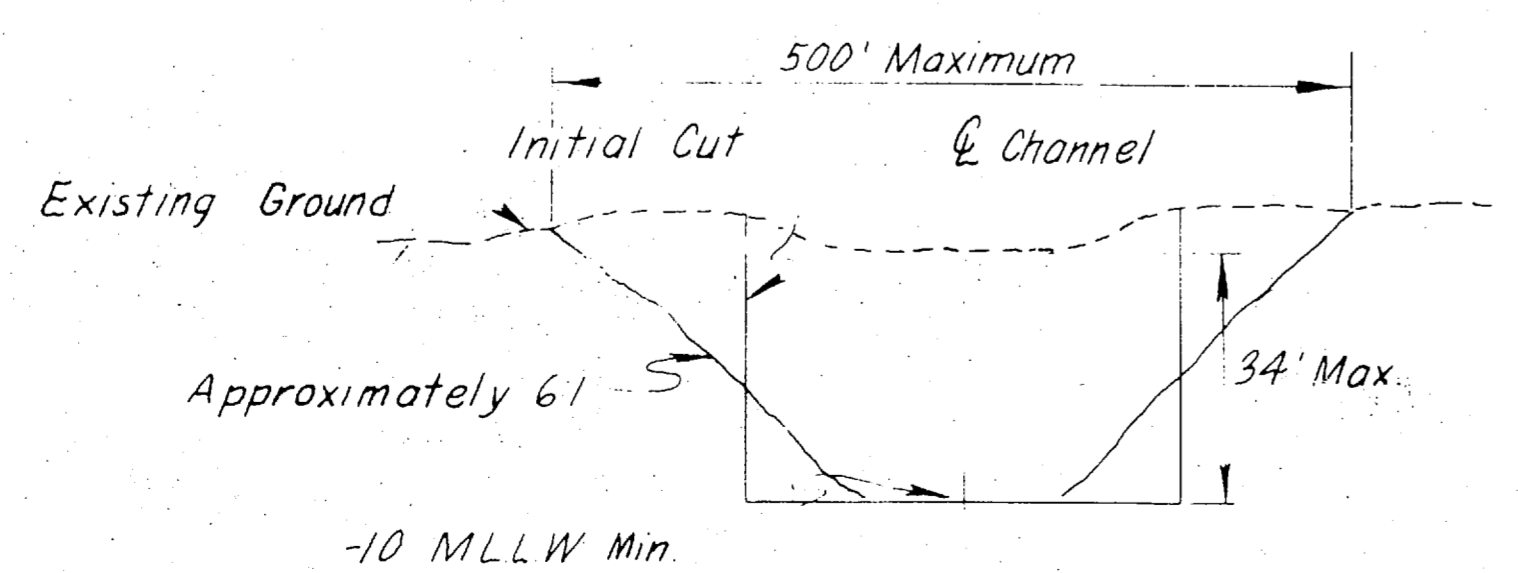
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0953(1)	1973	19	20

STATE FURNISHED MATERIAL SOURCE & STOCKPILE AREA



Alaska State-Plane Co-ordinates

	North	East
1.	2379342.739	2519995.191
2.	2377846.014	2519305.510
3.	2378006.984	2517733.731
4.	2379939.006	2518633.612
5.	2379933.824	2518668.226
6.	2379630.559	2519162.512
7.	2380280.739	2519462.112
8.	2380272.907	2519513.556
9.	2379604.227	2519205.432
10.	2379538.306	2519312.873
11.	2379943.315	2519338.518
12.	2379353.844	2519335.329

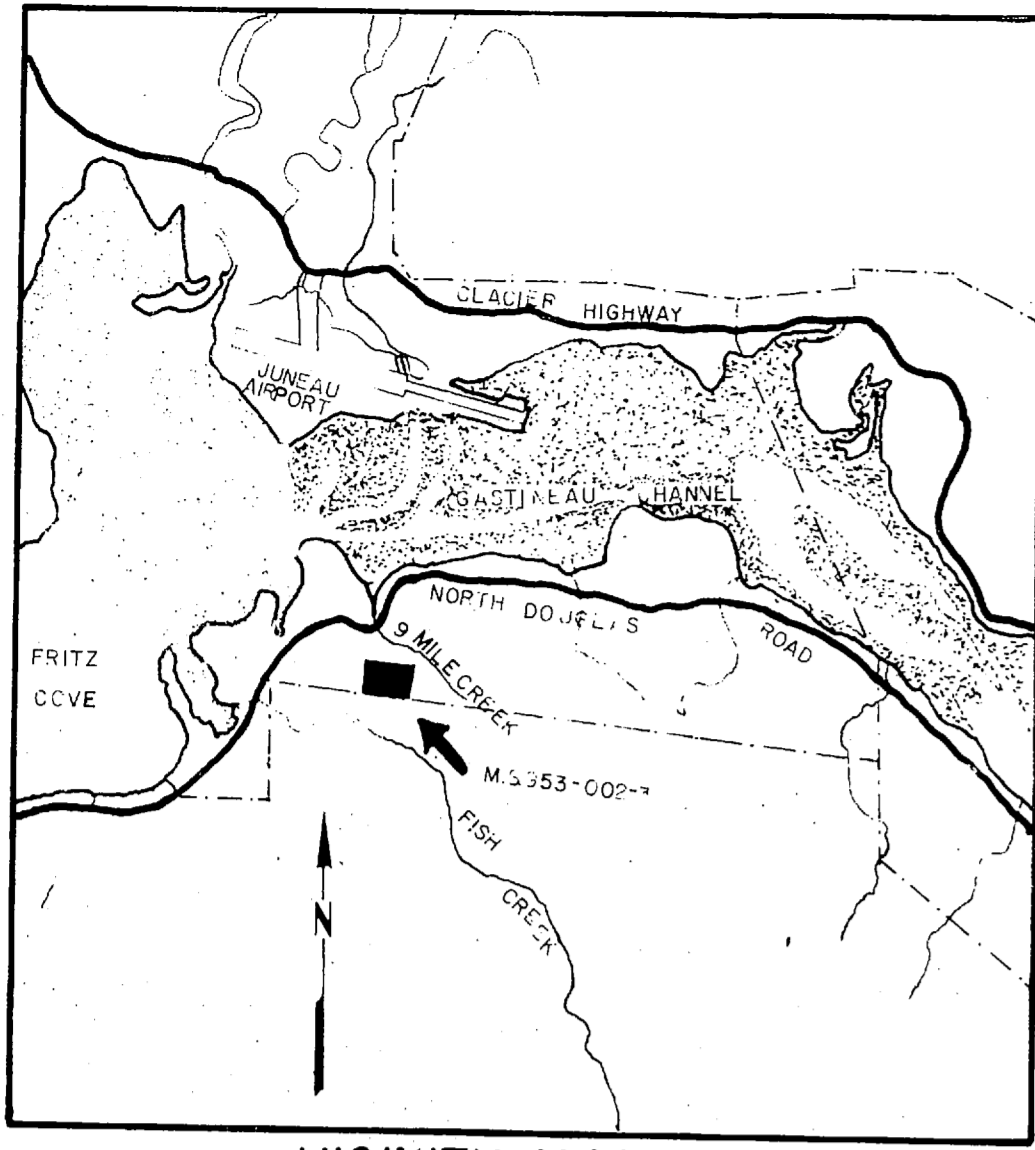


TYPICAL CHANNEL DREDGE SECTION

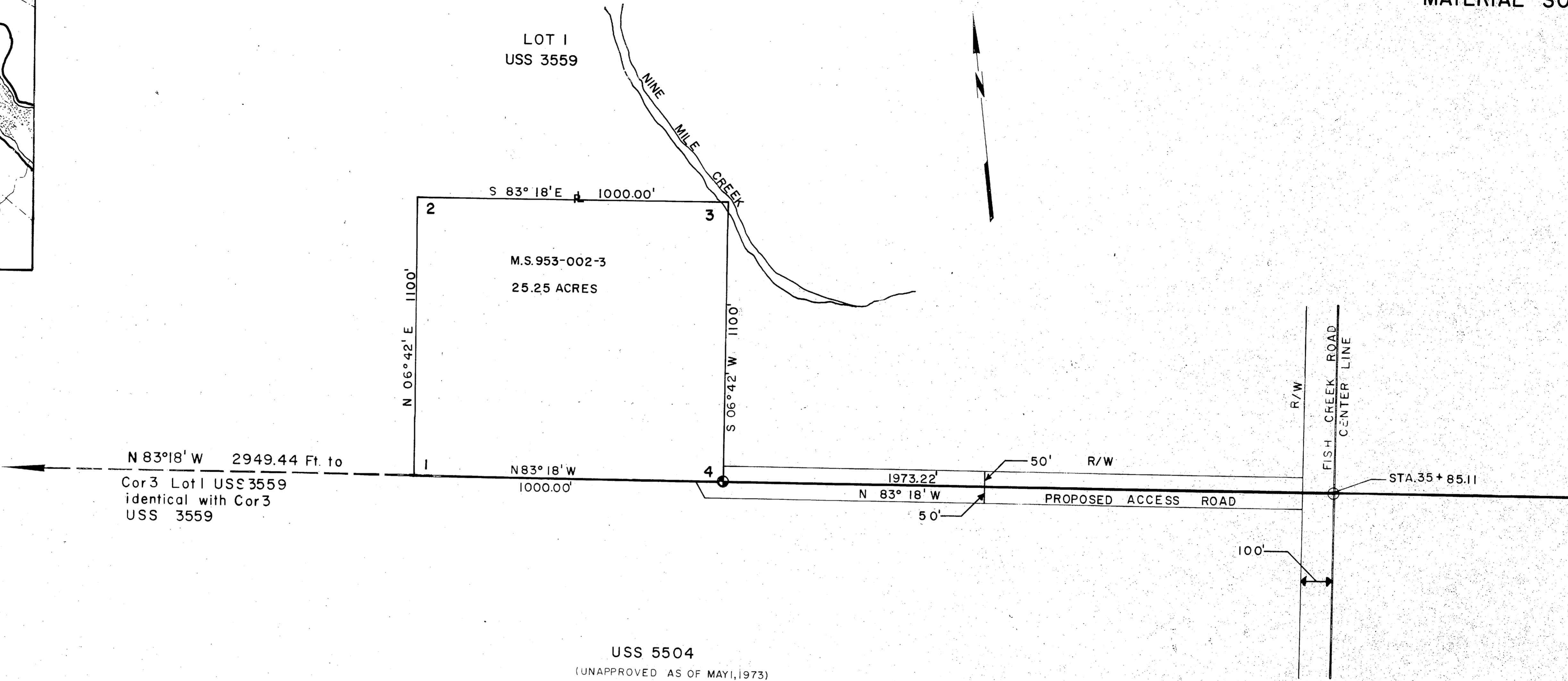
1. Upon removal of material from stockpile area, the area shall be graded to match existing terrain and seeded in accordance with Section 618 of the Specifications.
2. Clearing & Grubbing operations shall be limited to the area actually utilized for the stockpile plus an allowance of 10' beyond the slope limits.
3. The Contractor shall furnish a development plan for the stockpile area to the Engineer for approval prior to the work.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	S-0953(1)	1973	20	20

STATE FURNISHED
MATERIAL SOURCE



VICINITY MAP



DESCRIPTION

M.S. 953-002-3
A portion of Lot 1, USS 3559, Section 11, R 66 E, T 41 S CRM (Protracted) more particularly described as follows:
Beginning at Cor. No. 1 M.S. 953-002-3, a point on Line 2-3 USS 3559 common with a Line of USS 5504 unapproved as of May 1, 1973, from which Corner No. 3, Lot 1 USS 3559 common with Cor. 3 USS 3559 BEARS N 83° 18' W, a distance of 2 949.44 feet; Thence N 6° 42' E, a distance of 1100 feet to Cor. 2 M.S. 953-002-3; Thence S 83°18' E, a distance of 1,000.00 feet to Cor. 3; Thence S 6° 42' W, a distance of 1100 feet to Cor. 4 M.S. 953-002-3 a brass cap monument marked WP 5 USS 3559 a point on Line 2-3 USS 3559; Thence N 83° 18' W a distance of 1,000.00 feet to Cor. 1 M.S. 953-002-3 the place of Beginning; Containing in all 25.25 Acres.

LEGEND

⊙ DENOTES MONUMENTS LOCATED

STATE of ALASKA
Department of Highways

A Plat of M.S. 953-002-3
A Portion of Lot 1 U.S.S 3559

About 10 Miles Northwest
of Douglas, Alaska

MAY 1973