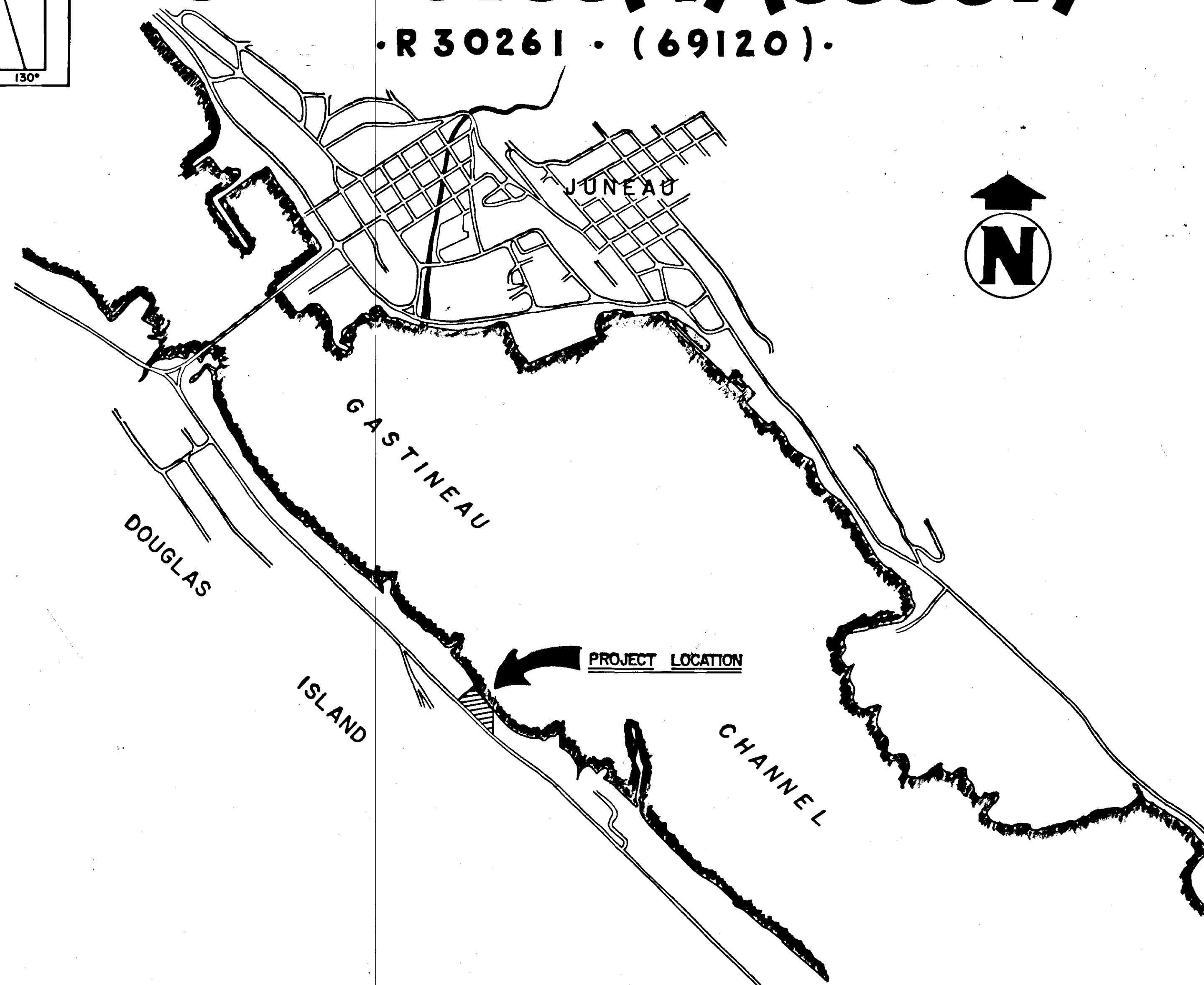


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

PLAN AND PROFILE
PROPOSED HIGHWAY PROJECT
**DOUGLAS HIGHWAY
SCENIC TURNOUT**
RS-M-0958(4) (68809)

• R 30261 • (69120) •



NOTES

During construction of the "Cordova St. to Douglas Project No. D.P.S.-0958(3), boulders were encountered. Contractor is to be aware that the potential for large boulders at this site exists. In the event boulders are encountered during pile placement boring operations, the Engineer shall order, in writing, the appropriate action to be taken by the Contractor. Any deviation from the planned pre-bore installation will be paid for in accordance with Section 104-1.04 Extra Work of the specs.

STATE	PROJECT	SHEET NO.	TOTAL SHEETS
ALASKA	RS-M-0958(4)	1	5

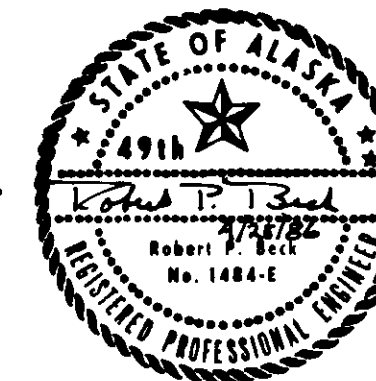
SHEET NO.	INDEX OF SHEETS
1.	TITLE SHEET
2.	ESTIMATE OF QUANTITIES & TYPICAL SECTIONS
3.	PLAN SHEET
4.	RETAINING WALL DETAILS
5.	STRIPING & MISC. DETAILS

THE FOLLOWING STANDARD DRAWING SHALL APPLY: A-1, I-20.01, T-20.00, T-21.01, C-01.02, C-02.00, S-00.00, S-05.00, S-20.00, S-30.01, C-03.01.

"AS-BUILT" plans
MP & M INC.
Soc Kreuzenstein, Proj. Engr.
1-20-87 to 6-3-87

Plans Developed by Geoff Barnard

Under the Supervision of



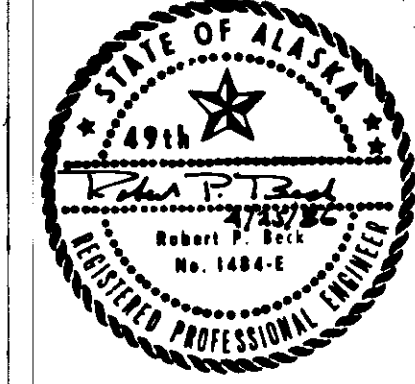
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

APPROVED
Wallace Kreuzenstein Date 5/30/86
CHIEF OF DESIGN

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

APPROVED
Robert P. Hill Date 5-30-86
DIRECTOR, S.E. DESIGN & CONSTRUCTION

Plans Revised and re-issued Aug. 1986
change quantity estimates



ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
109(2)	DBE & WBE Adjustments	C.S.	All Required
110(2)	Mobilization & Demobilization	L.S.	All Required
111(1)	Temporary Erosion & Pollution Control	C.S.	All Required
113(1)	Flagging	M.H.	All Required
114(1)	Construction Surveying by the Contractor	L.S.	All Required
115(1)	Traffic Maintenance	L.S.	All Required
201(2B)	Clearing and Grubbing	L.S.	All Required
203(3A)	Unclassified Excavation	L.S.	All Required
203(5A)	Borrow, Type "A"	C.Y.	126.44 ± 54.7
301(1)	Crushed Aggregate Base Course	Ton	352 341.7
304(1)	Subbase Grading "B"	Ton	400 389
401(1)	Asphalt Concrete, Type II	Ton	134 143.2
401(2)	Asphalt Cement AC-5	Ton	8.0 8.49
402(2)	CSS-1 Asphalt for Tack Coat	L.S.	All Required
504(3)	Structural Steel Retaining Wall	L.F.	235.6
608(1)	Concrete Sidewalk, 4 Inch Depth	S.Y.	285 320.1
609(2A)	Curb & Gutter, Type "Standard"	L.F.	535 645.5
609(4)	Concrete Gutter, Type "Standard"	L.F.	122 121.5
615(1)	Standard Signs	S.F.	21.50
604(5)	INLET, GRATE & PIPE EWO # 1	L.S.	ALL REQUIRED
625(2)	Handrail	L.F.	559 336.4
670(1)	Painted Traffic Markings	L.S.	All Required

SIGNING SCHEDULE (See sheet 5 for plan)

No.	Station	offset LT	Code No.	Legend	Sign panel			Posts				Face Traffic	
					Size	Thick	Area	No.	Type	Size	Leng.		Embed.
1.	65+59	37'	R1-1	STOP	30"x30"	.080	6.25	1	P.S.T.	2"x2"	12'	3'	N.B.
2.	66+38	31'	R5-1	DO NOT ENTER	30"x30"	.080	6.25	1	P.S.T.	2"x2"	12'	1.5'	S.B.
3.	66+38	31'	R6-1(R)	ONE WAY	36"x12"	.080	3.00			(Mount above No. 2)			S.B.
4.	66+38	31'	R6-1(L)	ONE WAY	36"x12"	.080	3.00			(Mount above No. 2)			N.B.
5.	66+27	60.5'	RT-108A	1/2 HR. PARKING	18"x12"	.080	1.50	1	P.S.T.	2"x2"	10'	1.5'	
6.	68+20	60.5'	RT-108A	1/2 HR. PARKING	18"x12"	.080	1.50	1	P.S.T.	2"x2"	10'	1.5'	

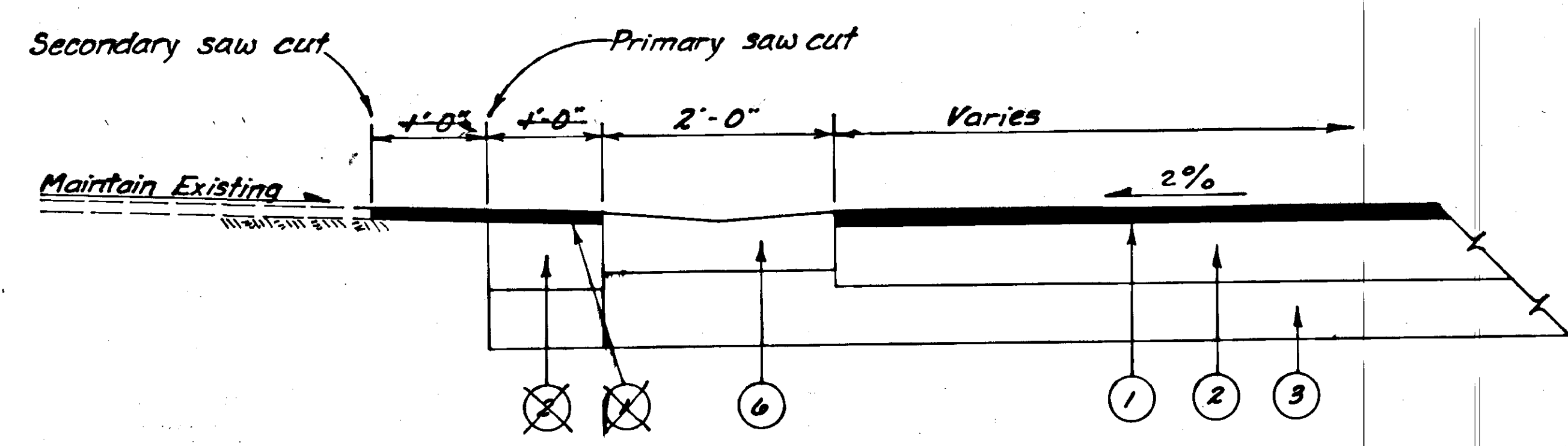
General Signing Notes

1. Sign locations are approximate only and are subject to minor revisions.
2. All sign posts shall be telescoping, perforated, galvanized steel. The 2" size shall be above ground and the 2 1/4" size shall be used below ground.
3. Sign post length includes the 12' telescoped inside the base. Lengths are for estimating only. Actual lengths may vary.

BASIS OF ESTIMATE

ITEM NO.	ITEM	FACTOR
301(1)	Crushed Aggregate Base Course	1.96 Tons/C.Y.
304(1)	Subbase, Grading "B"	1.90 Tons/C.Y.
401(1)	Asphalt Concrete, Type II	116 lbs./S.Y./Inch Depth
401(2)	Asphalt Cement, AC-5	6% of Item 401(1)
402(1)	CSS-1 Asphalt for Tack Coat	0.04 Gal./S.Y. (Residual) 240 Gal./S.Y. Application Rate: 0.10 Gal./S.Y.

TYPICAL SECTIONS OF IMPROVEMENT



APPROACH TRANSITION DETAIL

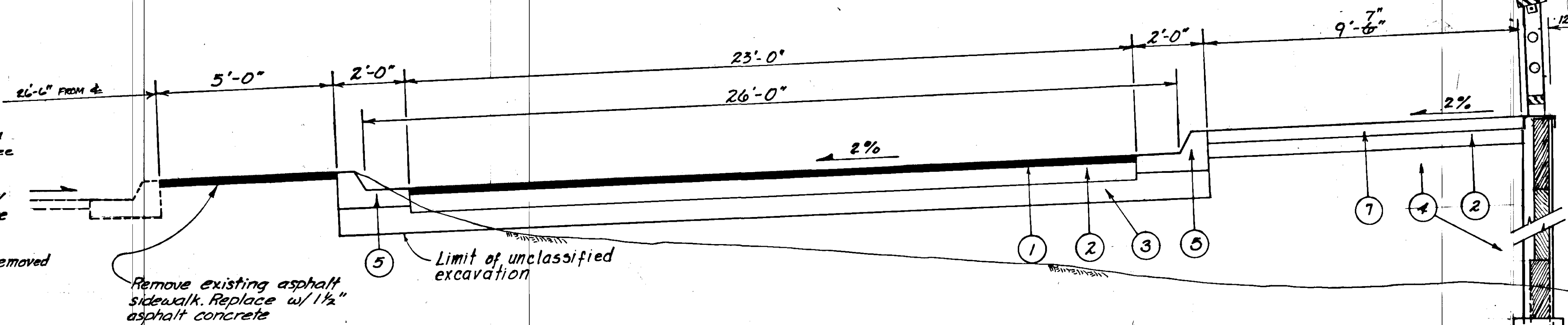
Looking North NO SCALE

LABELING INDEX

1. 3" Asphalt Concrete, Type II (2 Lifts)
2. 6" Crushed Aggregate Base Course
3. 9" Subbase, Grading "B"
4. Borrow, Type "A"
5. Standard Concrete Curb & Gutter
6. Standard Concrete Gutter
7. 4" Concrete Sidewalk

GENERAL NOTES

1. Grades and Alignments shown on the plans are subject to minor revisions.
2. Clearing and Grubbing limits shall be coincidental with construction limits as directed by the Engineer. See sheet 5 for construction limits.
3. All waste material shall be disposed of outside the R/W limits shown on the plans at a location selected by the Contractor and approved by the Engineer.
4. All existing pavement and concrete curb and gutter removed will be paid for as Item 203(3) Unclassified Excavation. Saw Cut shall be considered incidental.
Remove existing asphalt sidewalk. Replace w/ 1 1/2" asphalt concrete
5. The Contractor is responsible for any damage to underground or suspended utilities that results from his construction activities.
6. Existing power poles are to be relocated or removed under separate contract prior to start of this project. Overhead wires will remain. Contractor to exercise proper caution with equipment & personnel. New power pole locations shown on plan sheet #3.



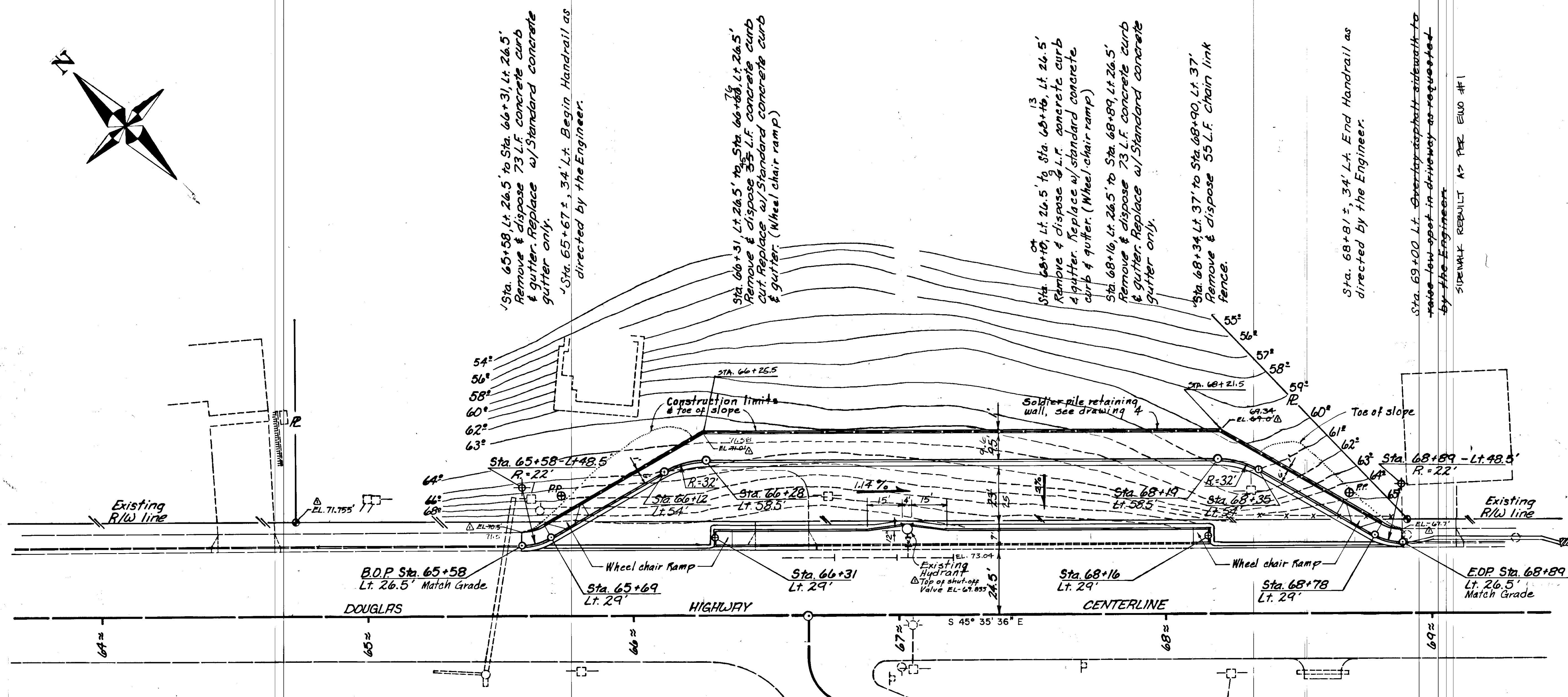
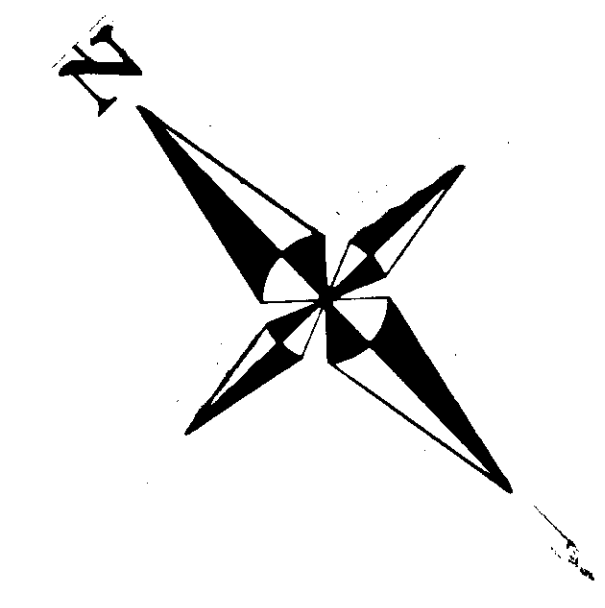
TYPICAL SECTION

Looking North NO SCALE

Handrail, See sht. 5 for details.

Revised Aug. 1986 Δ add control elevations

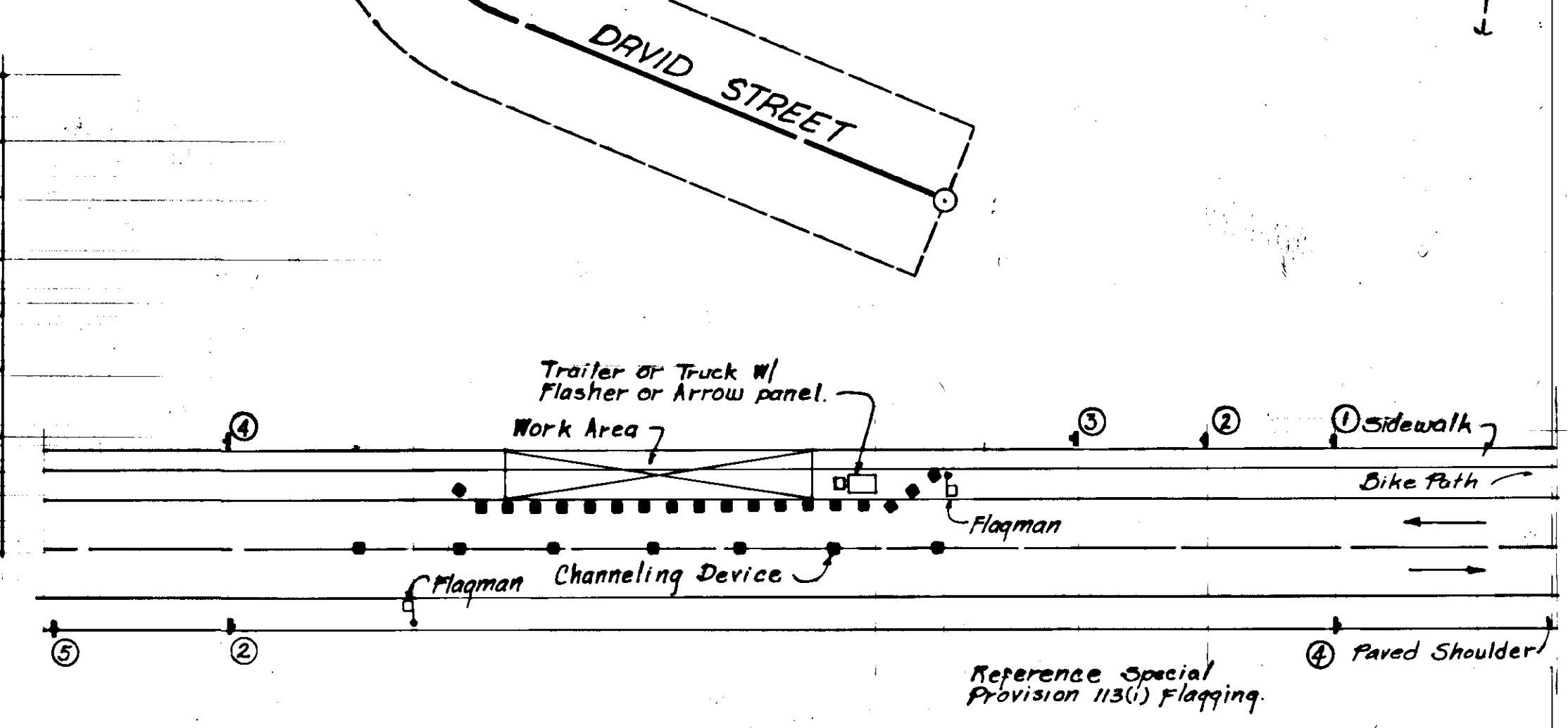
DOUGLAS HWY. SCENIC TURNOUT



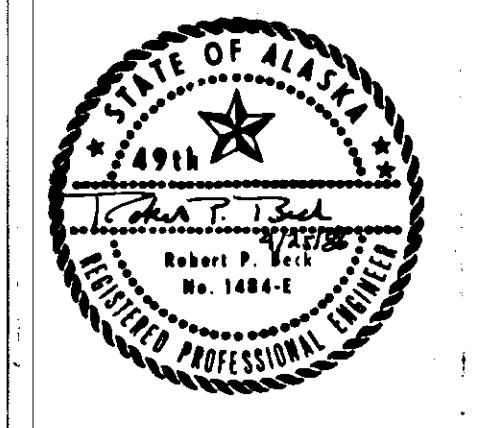
- CONTROL NOTES**
1. Basis of BEARING is the record bearing between recovered & monuments at STA. 63+25.00, P.O.T. and 77+81.17, P.C.; given as $S 45^{\circ} 35' 36'' E$ in D.O.T. project D.P.S.-958(3), Cordova St. to Douglas, 1981.
 2. Basis of VERTICAL control originated from U.S.C. & G.S. Bench Mark 21 (1972) a standard disk marked "NO. 21 1972", set flush in the circular base for a flag pole in front of Alaska National Guard Armory, with an elevation of 25.93' MLLW. For this project, MATCH EXISTING grades at TOP OF CURB, BACK EDGE, at STA. 65+58.00, "B.O.P.", and STA. 68+89.00, "E.O.P."
 3. Survey monuments will be accurately referenced and restored if disturbed during construction, by the contractor in conformance to A.S. chapter 32.

CONSTRUCTION SIGNS		
1	CW20-1E	Construction 1500 ft.
2	CW21-5 R2-1-20	Shoulder Work 20 M.P.H.
3	CW20-7A CW20-8	Flag man 500 ft. Be Prepared to Stop.
4	G20-2	End Construction
5	CW20-1B R2-1-20	Construction 1000 ft. 20 M.P.H.

Alaska Sign Design Specs.

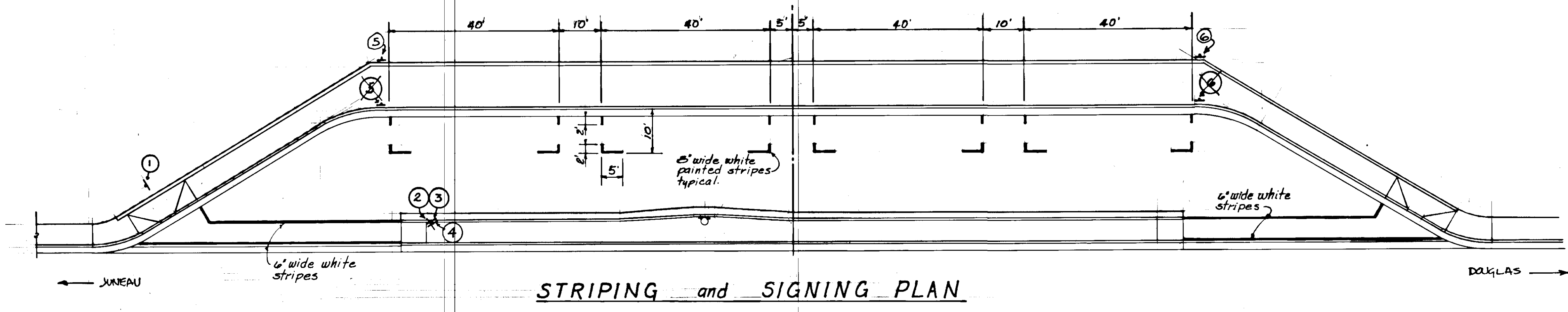


TRAFFIC CONTROL PLAN

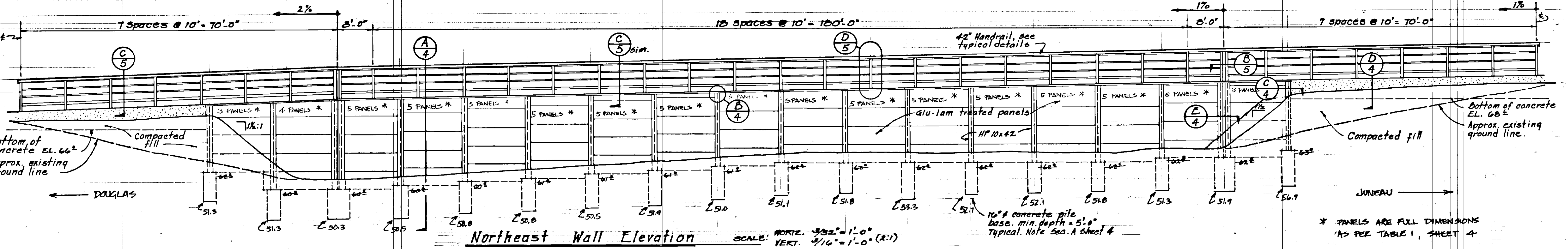


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-M-0958(4)	1986	5	5

Δ Misc. Revisions - Aug 86



- ### Striping & Signing Notes
1. All pavement markings shall be painted.
 2. Markings as shown on plans are approximate only, the exact locations shall be determined after grade is complete. The contractor is responsible for all alignment layout.
 3. See standard drawings T-20.00 and T-21.01 for additional striping information.
 4. See standard drawings S-00.00 and S-05.00 for additional signing information.
 5. Reference drawing no. 2 of 5 for signing schedule and notes.



Sidewalk Notes

Premoulded expansion joint filler & liquid polymer joint sealer (see specs) or AC-5 asphalt cement shall be considered incidental to Items 608(1), 609(2A) & 609(4) and no separate payment shall be made therefore.

Curb & Gutter expansion joints, shall be at each end of the curb returns & immediately preceding and following all curb cuts. Thereafter they shall be placed at intervals of 30' except, where shorter sections are needed for closure.

Sidewalk expansion joints shall be opposite expansion joints in adjoining curb & gutter. Dummy joints shall be equally spaced between expansion joints, spacing shall not exceed 5'-0".

