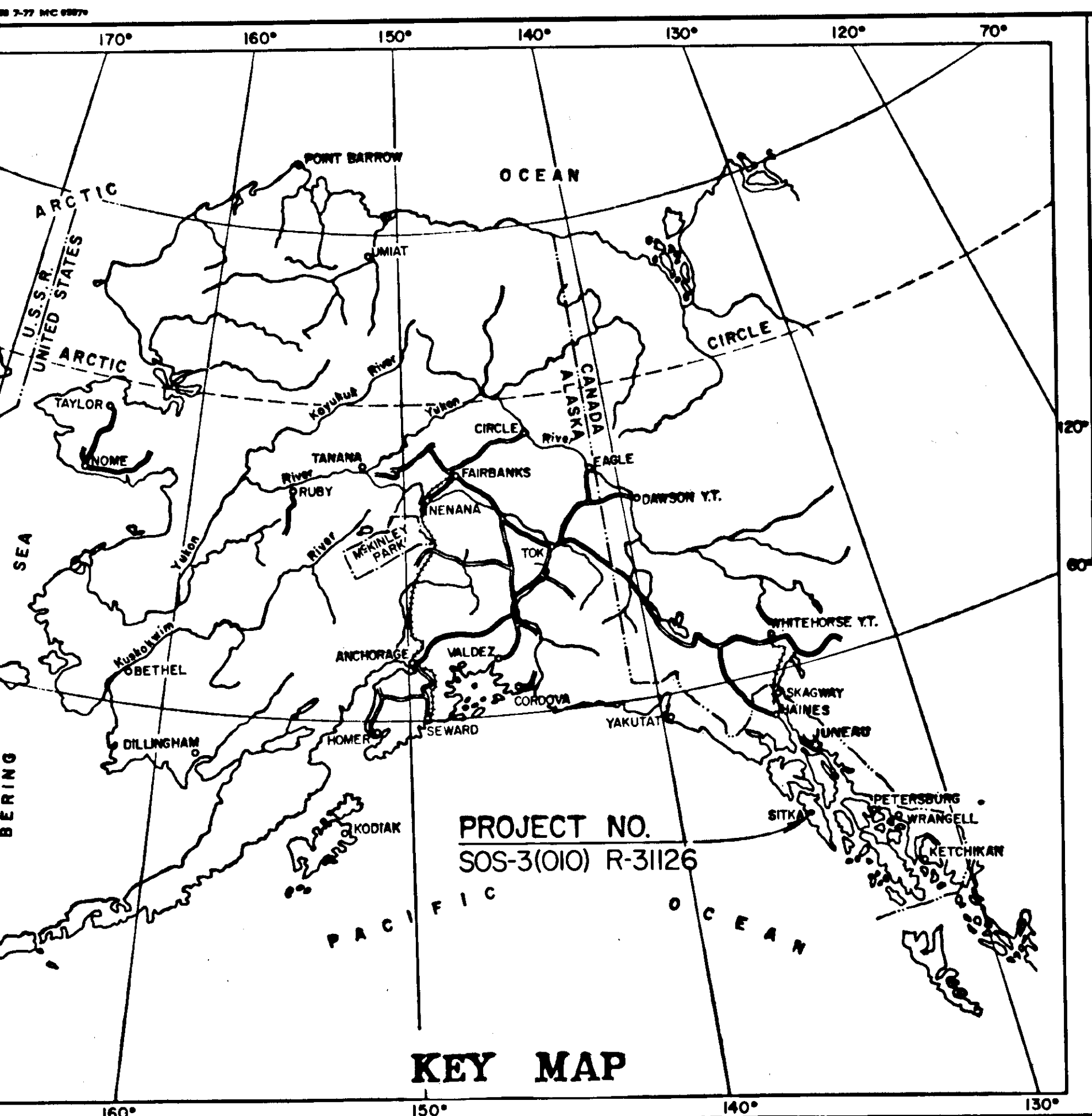




STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

PLAN AND PROFILE
PROPOSED HIGHWAY PROJECT
SOS-3(010) R-31126
KIMSHAM ST. AND EDGE CUMBE DR.
SITKA
GRADING, DRAINAGE AND PAVEMENT

STATE	PROJECT	SHEET NO.	TOTAL SHEETS
ALASKA	SOS-3(010) R-31126	1	6

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTION
3	ESTIMATE OF QUANTITIES
4	KIMSHAM STREET PLAN & PROFILE
5	EDGE CUMBE DRIVE PLAN & PROFILE
6	MISCELLANEOUS

The following Standard Drawings apply to this project:
C-00.04, C-10.02, C-11.02, D-02.02, D-20.10,
M-16.03, T-20.03, T-21.02

PROJECT SUMMARY
EDGE CUMBE DRIVE

WIDTH OF SURFACING = 38 FT.
LENGTH OF GRADING = 500.77 FT. = 0.094 MI.
LENGTH OF PROJECT = 500.77 FT. = 0.094 MI.

KIMSHAM STREET

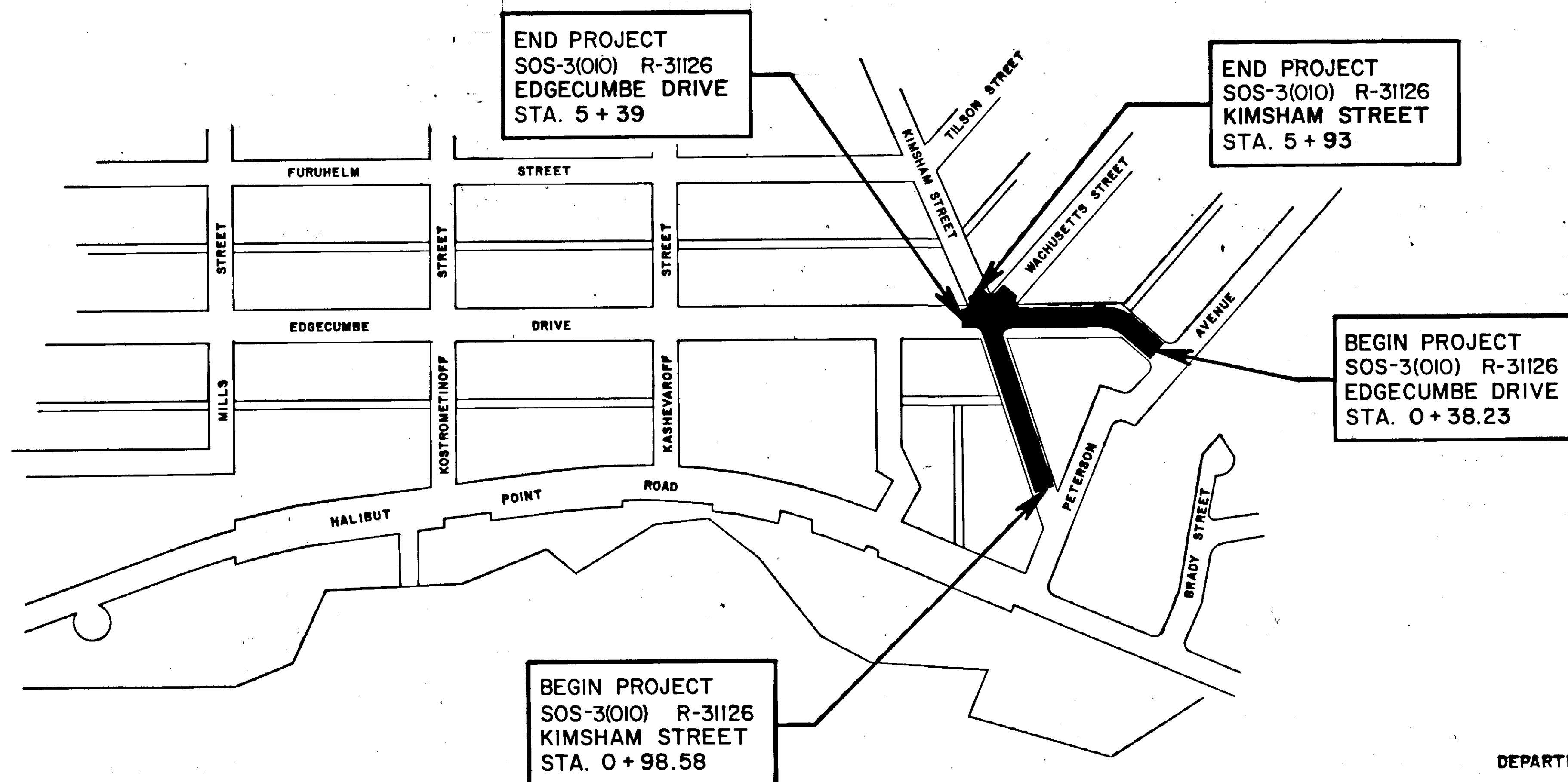
WIDTH OF SURFACING = 38 FT.
LENGTH OF GRADING = 494.42 FT. = 0.093 MI.
LENGTH OF PROJECT = 494.42 FT. = 0.093 MI.

DESIGN DESIGNATION

ADT 1978 = 520.
ADT 1999 = 650.
DHV 12% = 78
D = 60-40
T = 8%
T.I. = 6.0

AS - BUILT PLANS

CONTRACTOR: ASSOCIATED SAND & GRAVEL
PROJECT ENGINEERS: CHUCK HODGES & PHIL SPEER
BEGINNING DATE: SEPT. 18, 1978
COMPLETION DATE: JULY 31, 1979



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

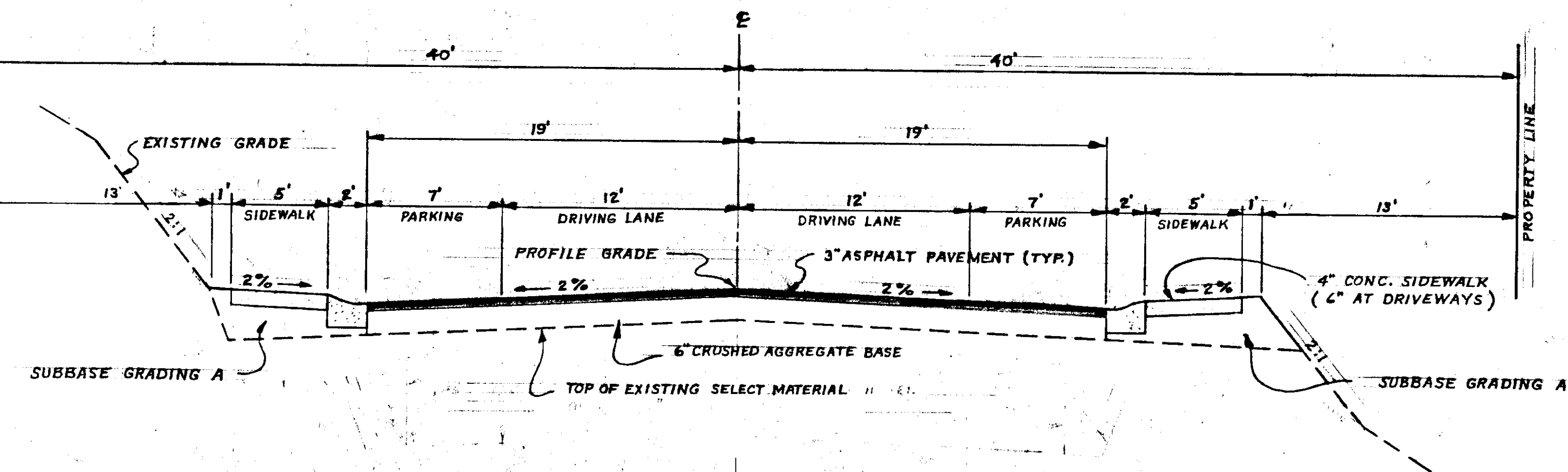
APPROVED

Walton K. Wilson DATE 5/31/78
SOUTHEASTERN REGION DESIGN AND
CONSTRUCTION ENGINEER

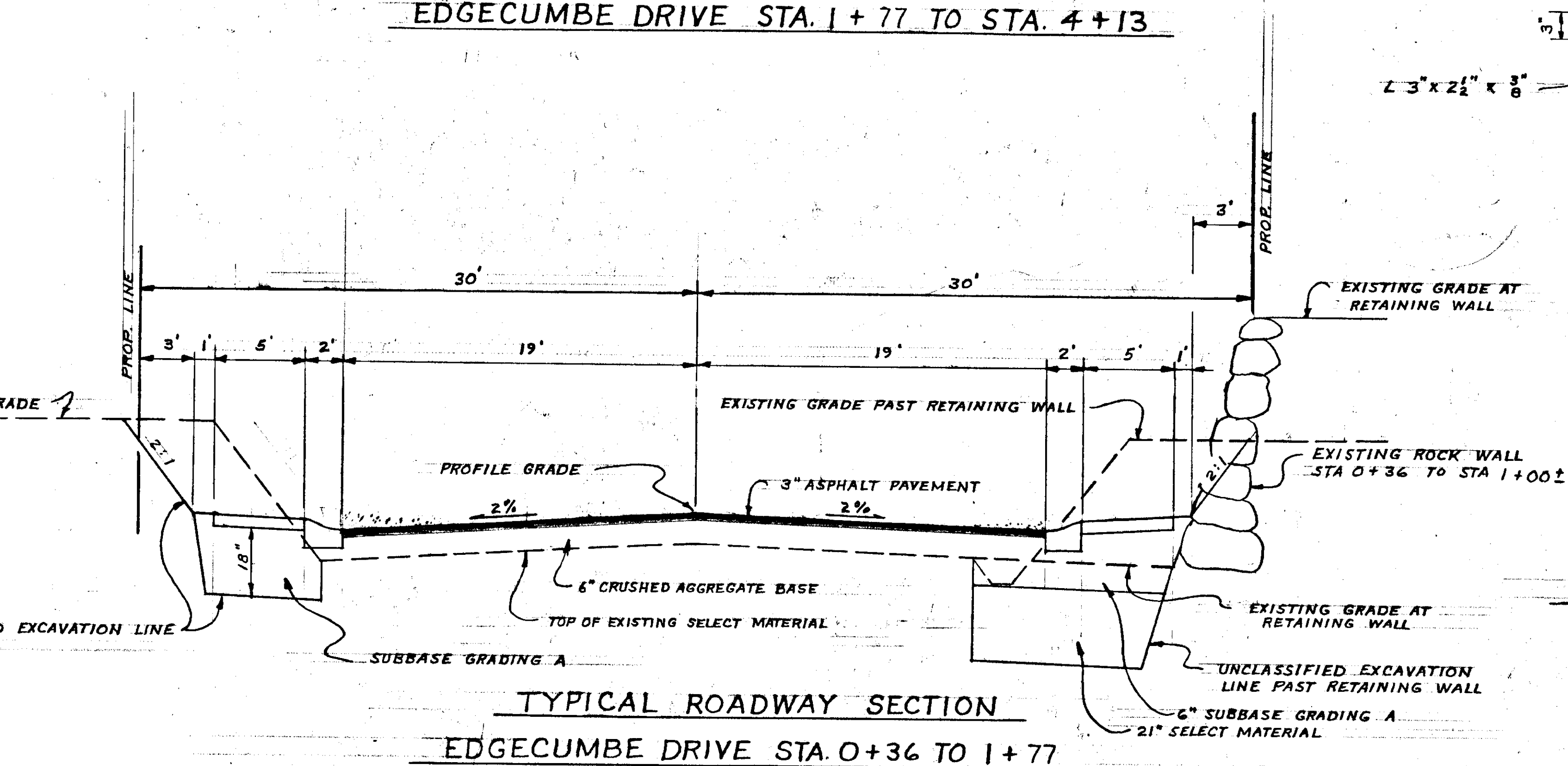
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

APPROVED

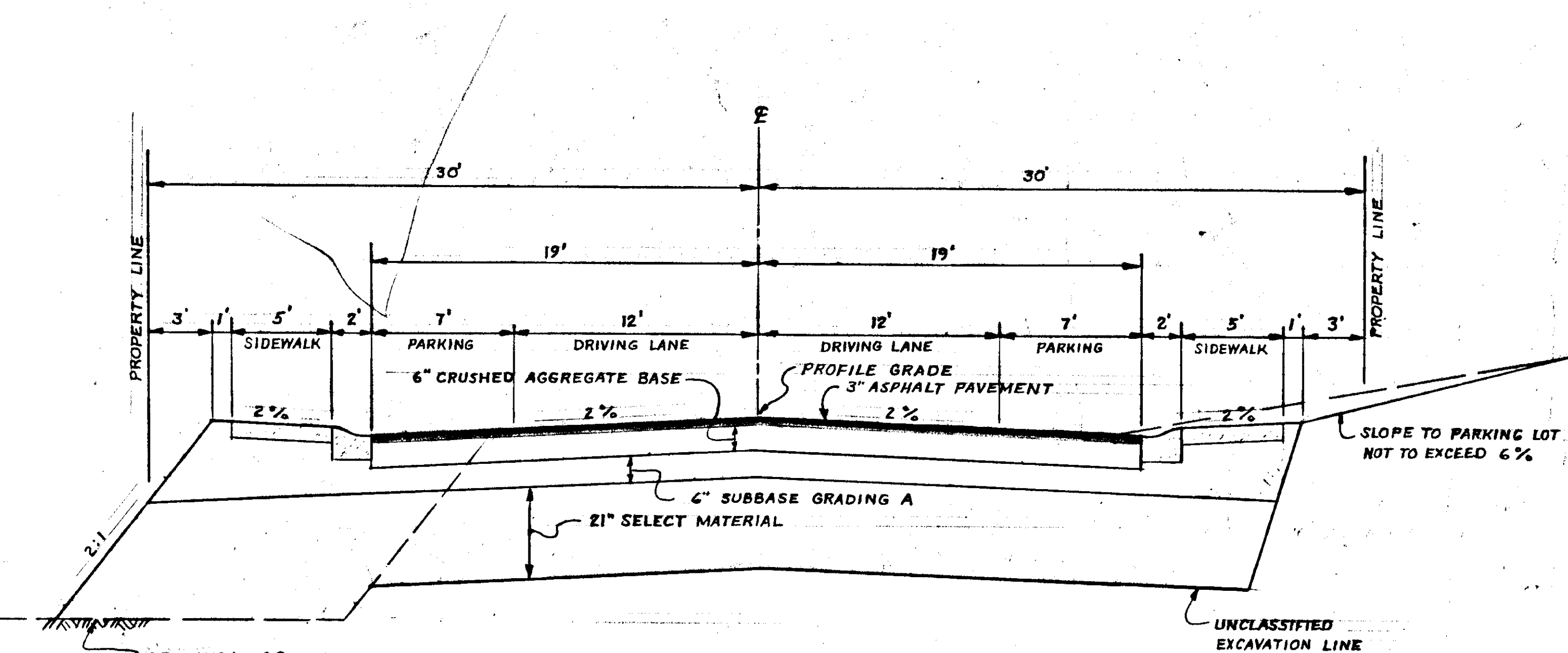
R. D. Spurr PE Date 6/22/78
DIRECTOR-HIGHWAY DESIGN & CONSTRUCTION



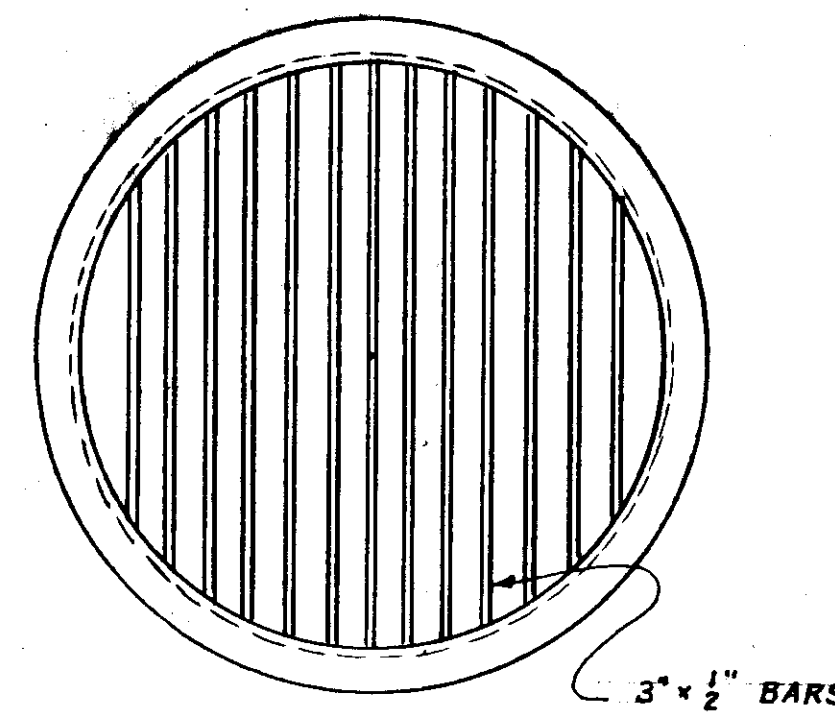
TYPICAL ROADWAY SECTION
EDGUMBE DRIVE STA. 1+77 TO STA. 4+13



TYPICAL ROADWAY SECTION
EDGUMBE DRIVE STA. 0+36 TO 1+77

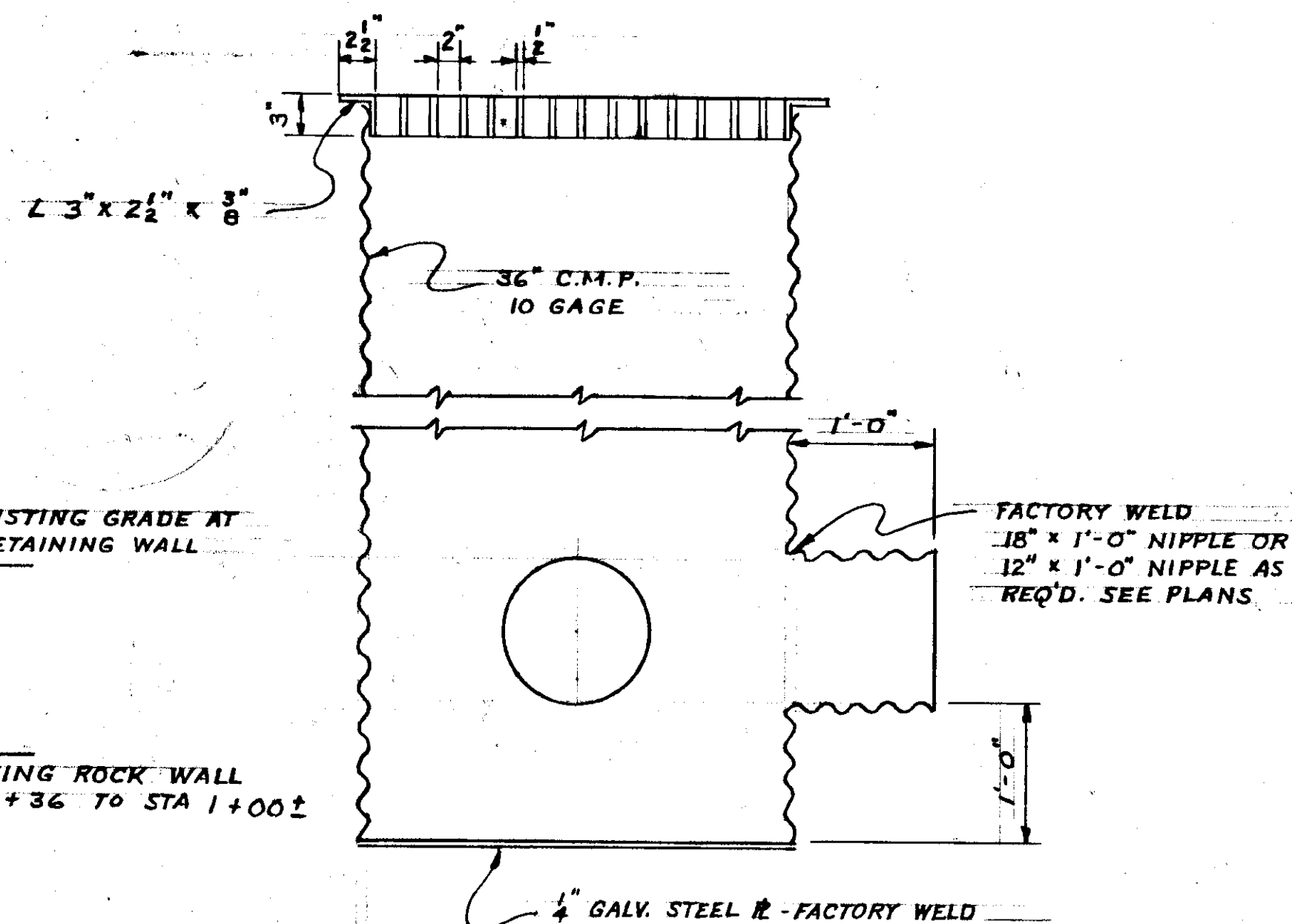


TYPICAL ROADWAY SECTION
KIMSHAM STREET STA. 0+98 TO 4+75

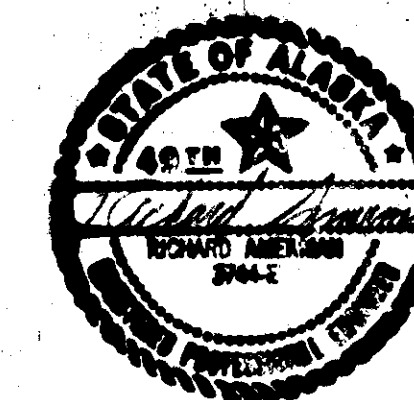


GENERAL NOTES:

1. Grades and Alignment shown on these plans are subject to minor revisions.
2. Curve on Edgumbe Drive will require no superelevation.
3. Refer to Sheet #6 for detail of Rolled Curb and Gutter.
4. Manhole Grate Weight shall be a minimum of 300 lbs.



FIELD CATCH BASIN MANHOLE



STREET IMPROVEMENTS

CITY & BOROUGH OF SITKA

P. O. BOX 79
SITKA, ALASKA 99835

DRAWN BY: J. SIMPSON

SCALE:

CHECKED BY: R. AMERMAN

DATE: JAN 20 1978

ESTIMATE OF QUANTITIES			
Item No.	Item	Unit	Quantity
I	Furnishing and Maintaining Engineering Facilities	L.S.	All Required
110(1)	Mobilization	L.S.	All Required
111(1)	Temporary Erosion and Polution Control	C.S.	All Required
114(1)	Construction Engineering by Contractor	L.S.	All Required
115(1)	Traffic Maintenance	L.S.	All Required
203(3)	Unclassified Excavation	C.Y.	3,820 4,100
203(5B)	Borrow	Ton	2,450 5,988
301(1)	Crushed Aggregate Base Course	Ton	840 1,454
304(1)	Subbase Grading "A"	Ton	730
401(1)	Hot Asphalt Pavement Class I	Ton	748 770.36
401(2)	AC-5 Asphalt Cement	Ton	47 44.30
402(2)	CSS-1 Catonic Emulsified Asphalt for Tack Coat	Ton	17 1.56
603(22C)	12" Pipe Conduit	L.F.	315 314
603(22E)	18" Pipe Conduit	L.F.	466 435
604(4)	Adjust Existing Manhole	Each	2 1
604(6A)	Precast Catch Basin	Each	1
604(7)	Field Type Catch Basin Manhole	Each	3
604(8)	Standard Catch Basin Manhole	Each	5
608(1A)	Concrete Sidewalk 4" Depth	S.Y.	718 741
608(1B)	Concrete Sidewalk 6" Depth	S.Y.	187 140
609(3)	Rolled Curb and Gutter	L.F.	1,556 1,595
614(2)	Monument Cases	Each	1
628(7)	Fire Hydrant Relocation	Each	1
628(11)	Adjustment of Valve Box	Each	3 4
670(1)	Painted Traffic Markings	L.S.	All Required
109(1)	Kimsham St. Test Holes (E.W.O.#1)	L.S.	All Required
109(2)	Sanitary Sewer Excavation (E.W.O.#2)	L.S.	" "
612(1A)	Slope Protection (E.W.O.#6)	L.S.	" "
604(3)	Reconstruct Existing Man Hole (E.W.O.#4)	L.S.	" "

BASIS OF ESTIMATE	
Item No.	Estimating Factor
203(5B)	1.80 Ton / C.Y.
301(1)	1.87 Ton / C.Y.
304(1)	1.94 Ton / C.Y.
401(1)	112 Pounds / Sq. Yd. / In. Depth
402(2)	0.1 Gal. / Sq. Yd.

EDGE CUMBE DRIVE DRAINAGE SUMMARY			
Station	12" CMP	18" CMP	Remarks
0+36 Lt to 1+71 Lt	120 L.F.	124.5	
1+71 Lt to 1+93 Rt	44 L.F.	38.5	

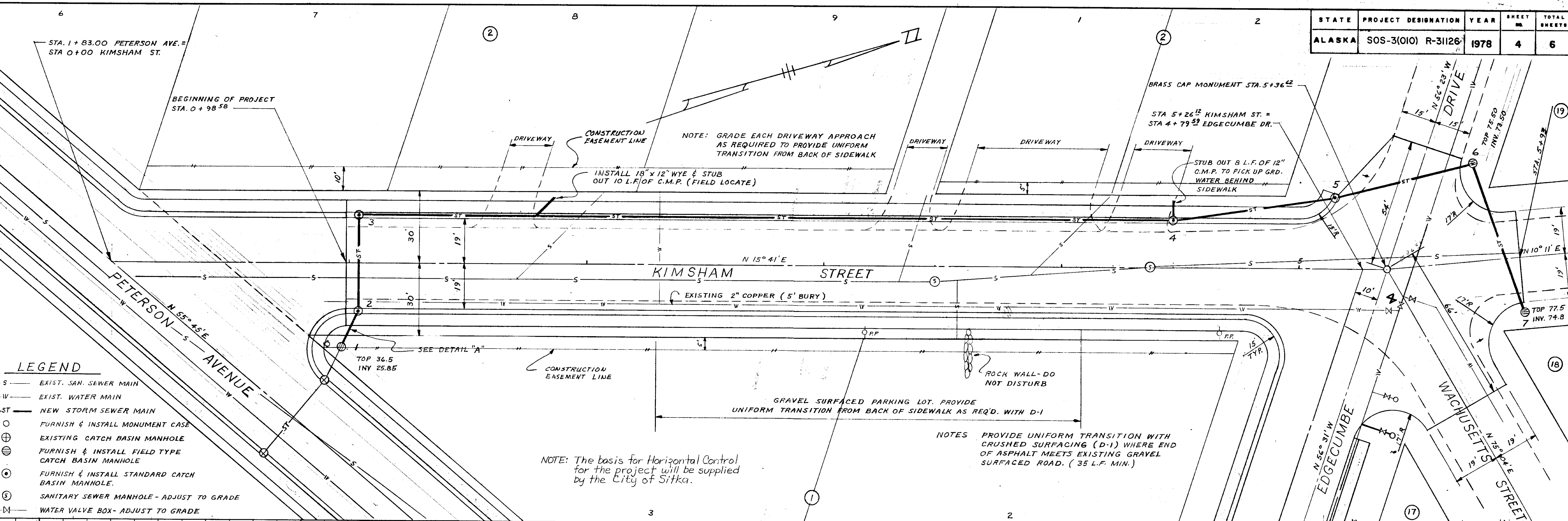
KIMSHAM STREET DRAINAGE SUMMARY			
Station	12" CMP	18" CMP	Remarks
0+96 Rt. to 1+01 Rt.		16 L.F.	
1+01 Rt. to 1+01 Lt.		40 L.F.	50.8
1+82 Lt.	101 L.F.	20	18" x 12" Y and Stub Out
1+01 Lt. to 4+47 Lt.		342 L.F.	304.5
4+47 Lt.	8 L.F.		Stub out
4+47 Lt. to 5+14 Lt.		68 L.F.	63.3
5+14 Lt. to 5+77 Lt.	60 L.F.	56.8	
5+77 Lt. to 5+93 Rt.	65 L.F.	66.4	

EDGE CUMBE DRIVE DRAINAGE SUMMARY				
Station	Offset		Standard Precast Catch Basin Inlet	Standard Catch Basin Manhole
	Left	Right		
1+72	20 Ft.			1
1+93		20 Ft.	1	

KIMSHAM STREET DRAINAGE SUMMARY				
Station	Offset		Standard Precast Catch Basin Inlet	Standard Catch Basin Manhole
	Left	Right		
0+96		35 Ft.		
1+01		20 Ft.		1
1+01 36.5	20 Ft.			1
4+47	20 Ft.			1
5+14	30 Ft.			1
5+77	41 Ft.			1
5+93		23 Ft.		1

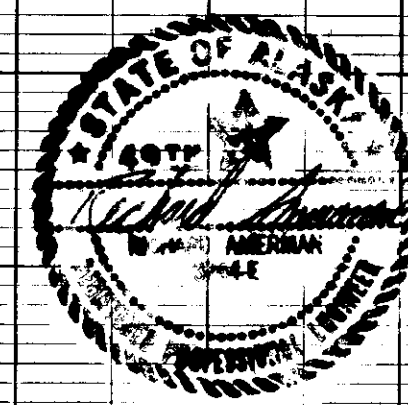
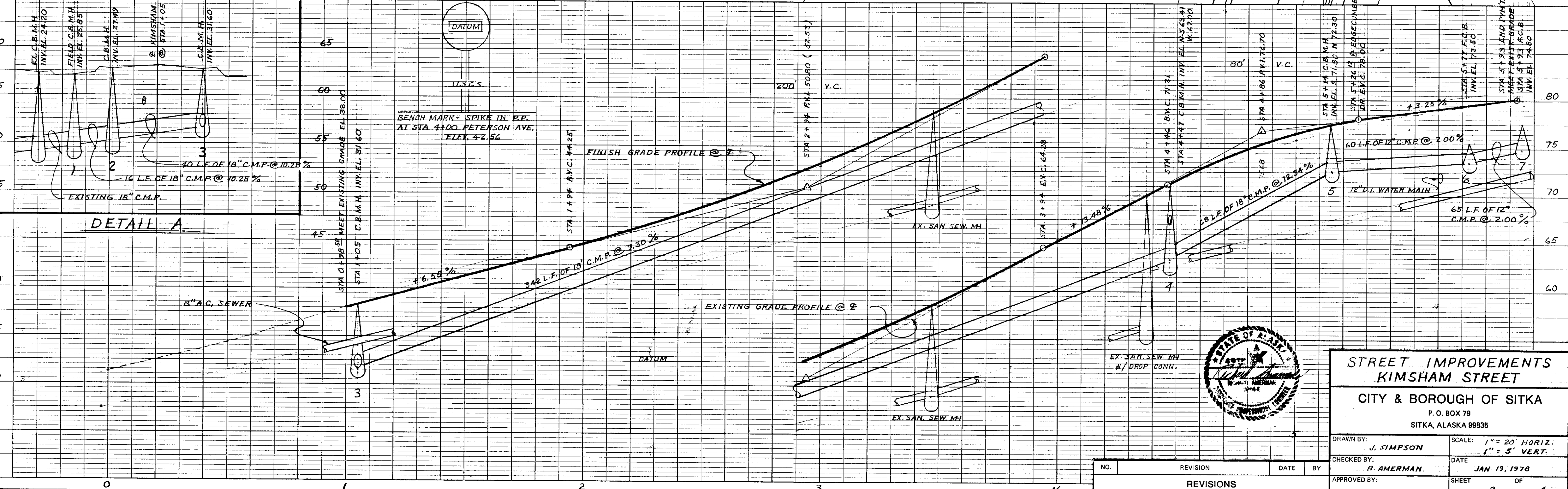
ADJUST EXISTING MANHOLE	
Station	Remarks
3+47	Kimsham Street
4+37	Kimsham Street Reconstruct

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SOS-3(010) R-31126	1978	4	6



LEGEND

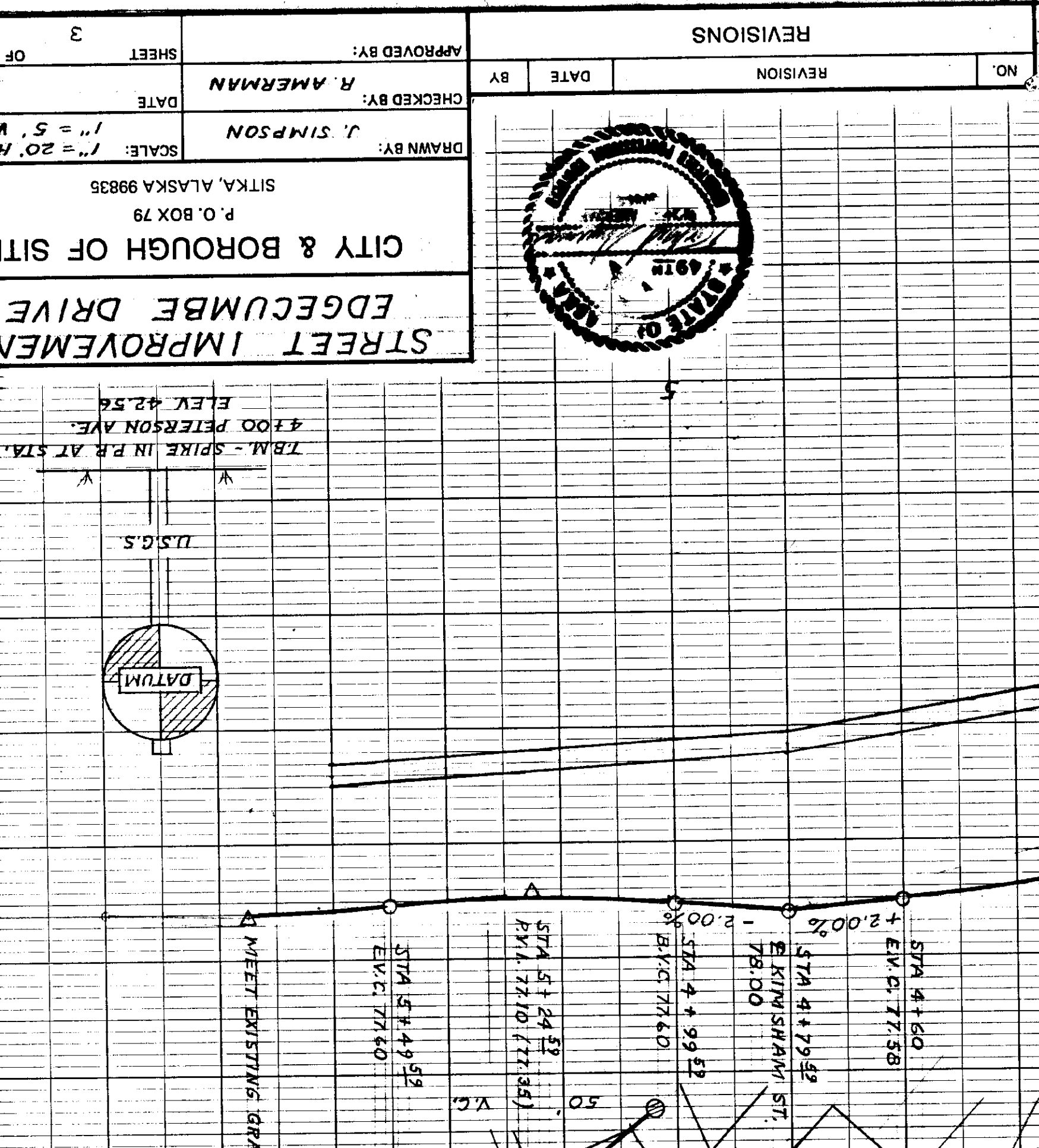
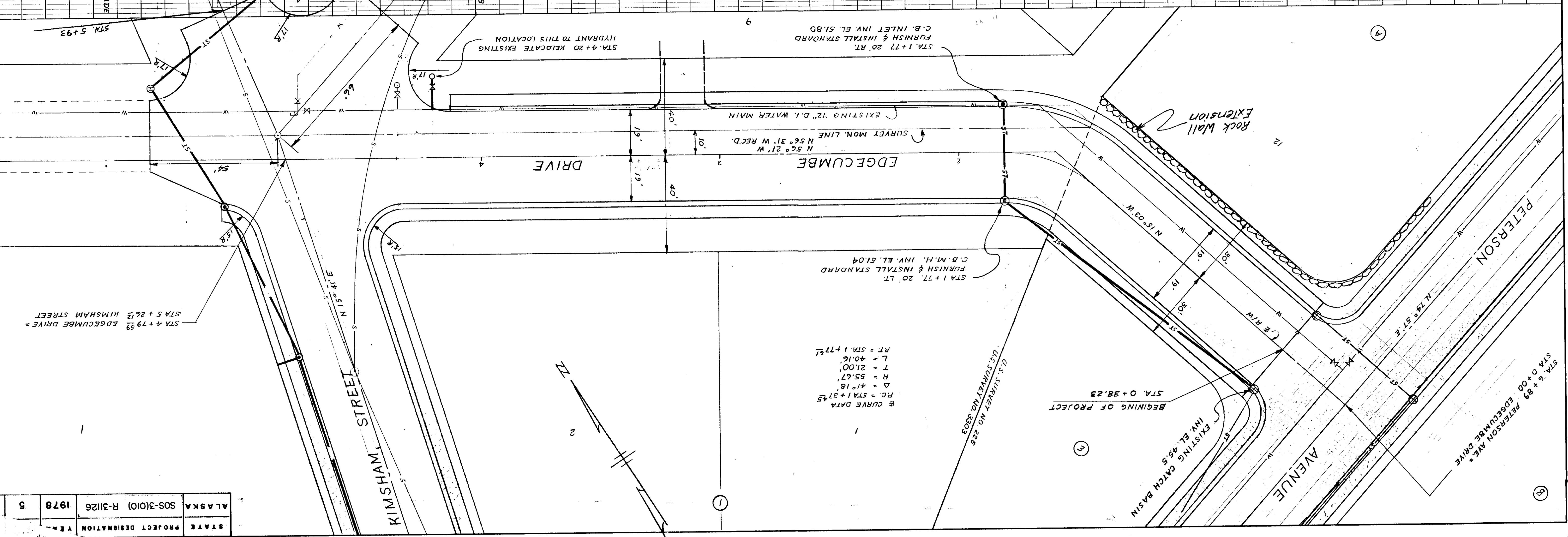
S	EXIST. SAN. SEWER MAIN
W	EXIST. WATER MAIN
ST	NEW STORM SEWER MAIN
○	FURNISH & INSTALL MONUMENT CASE
⊕	EXISTING CATCH BASIN MANHOLE
⊕	FURNISH & INSTALL FIELD TYPE CATCH BASIN MANHOLE
⊕	FURNISH & INSTALL STANDARD CATCH BASIN MANHOLE
⊕	SANITARY SEWER MANHOLE - ADJUST TO GRADE
⊕	WATER VALVE BOX - ADJUST TO GRADE



STREET IMPROVEMENTS KIMSHAM STREET			
CITY & BOROUGH OF SITKA			
P. O. BOX 79 SITKA, ALASKA 99835			
DRAWN BY:	J. SIMPSON	SCALE:	1" = 20' HORIZ. 1" = 5' VERT.
CHECKED BY:	R. AMERMAN	DATE:	JAN 19, 1978
APPROVED BY:		SHEET	2 OF 4

NO.	REVISION	DATE	BY
REVISIONS			

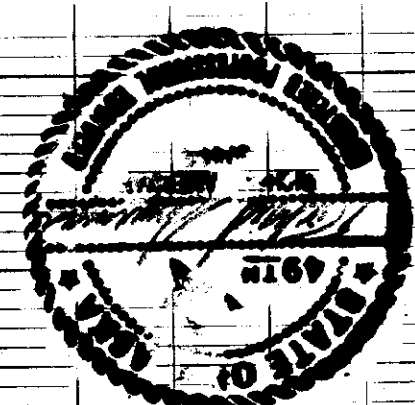
STATE	PROJECT DESIGNATION	YEAR
ALASKA	SOS-3(10) R-31126	1978
		5



NO.	REVISION	DATE	BY
1	REVISION		
2	REVISION		
3	REVISION		

STREET IMPROVEMENT
EDGE CUMBE DRIVE
CITY & BOROUGH OF SITKA
P.O. BOX 79
SITKA, ALASKA 99835

APPROVED BY: J. SIMPSON
CHECKED BY: R. AMERMAN
DATE: 11-5-78
SCALE: 1" = 20' H
1" = 5' V

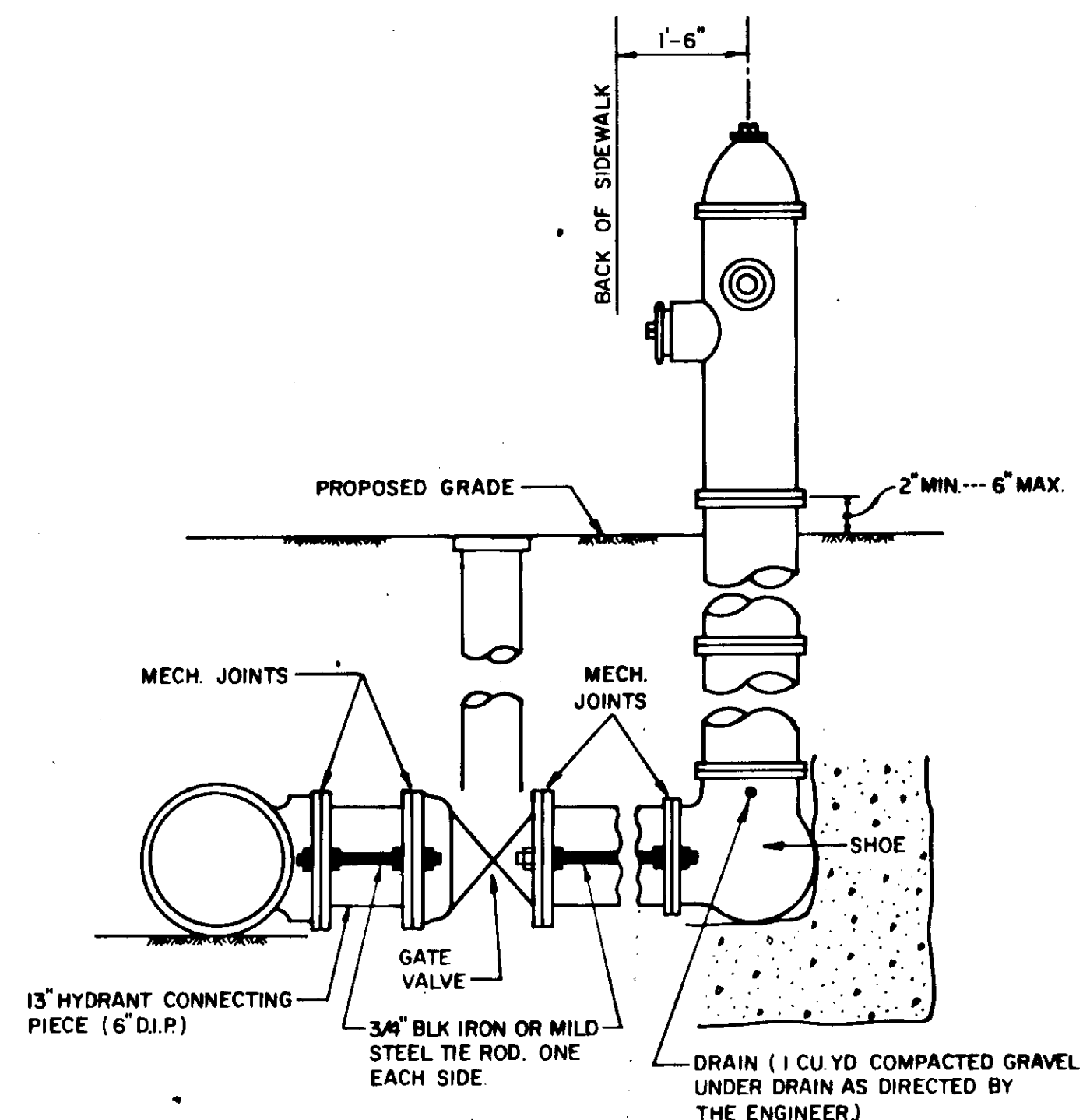


487004 PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.

NO. RT. OF WAY CHECKED.

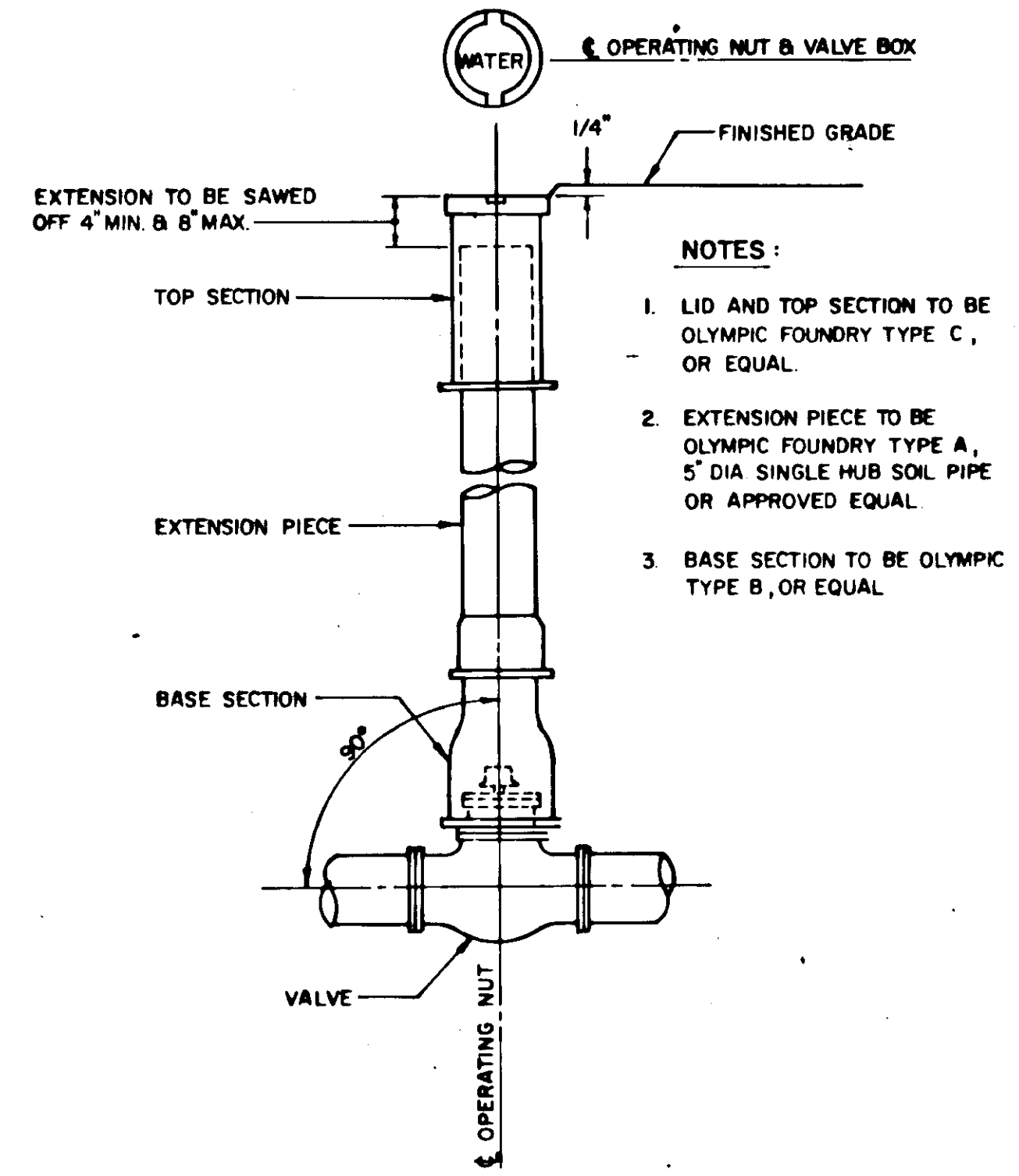
NO. GRADES CHECKED
STRUCTURE NOTATIONS CHECKED

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SOS-3(10) R-31126	1978	6	6

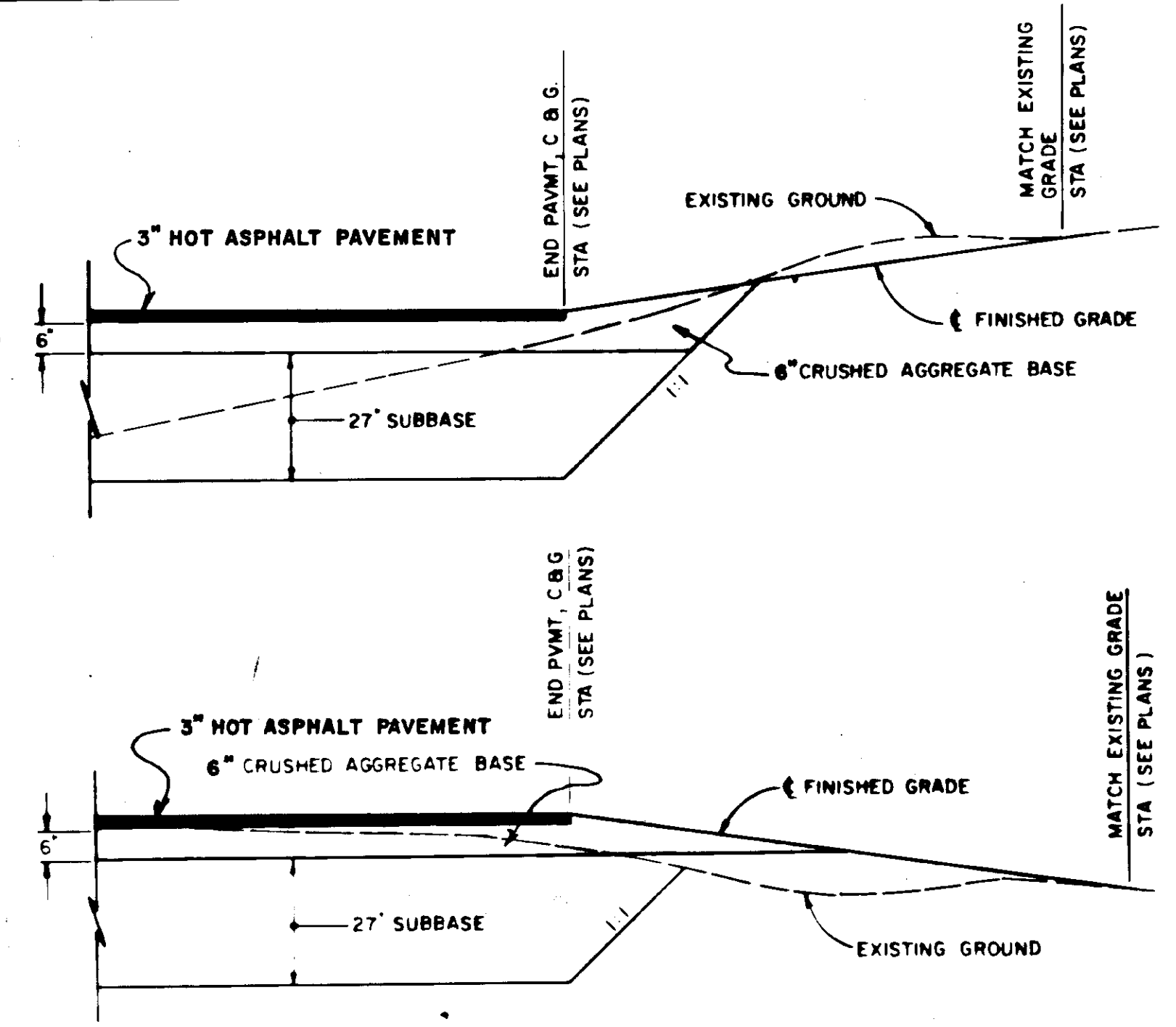


- NOTES:**
- HYDRANT BARREL MUST BE INSTALLED PLUMB AND THE LEG MUST BE INSTALLED LEVEL.
 - AUXILIARY GATE VALVE BOX TO BE INSTALLED ACCORDING TO DETAIL FOR TYPICAL VALVE BOX.
 - DRAIN PLUG TO BE REMOVED BY CONTRACTOR.

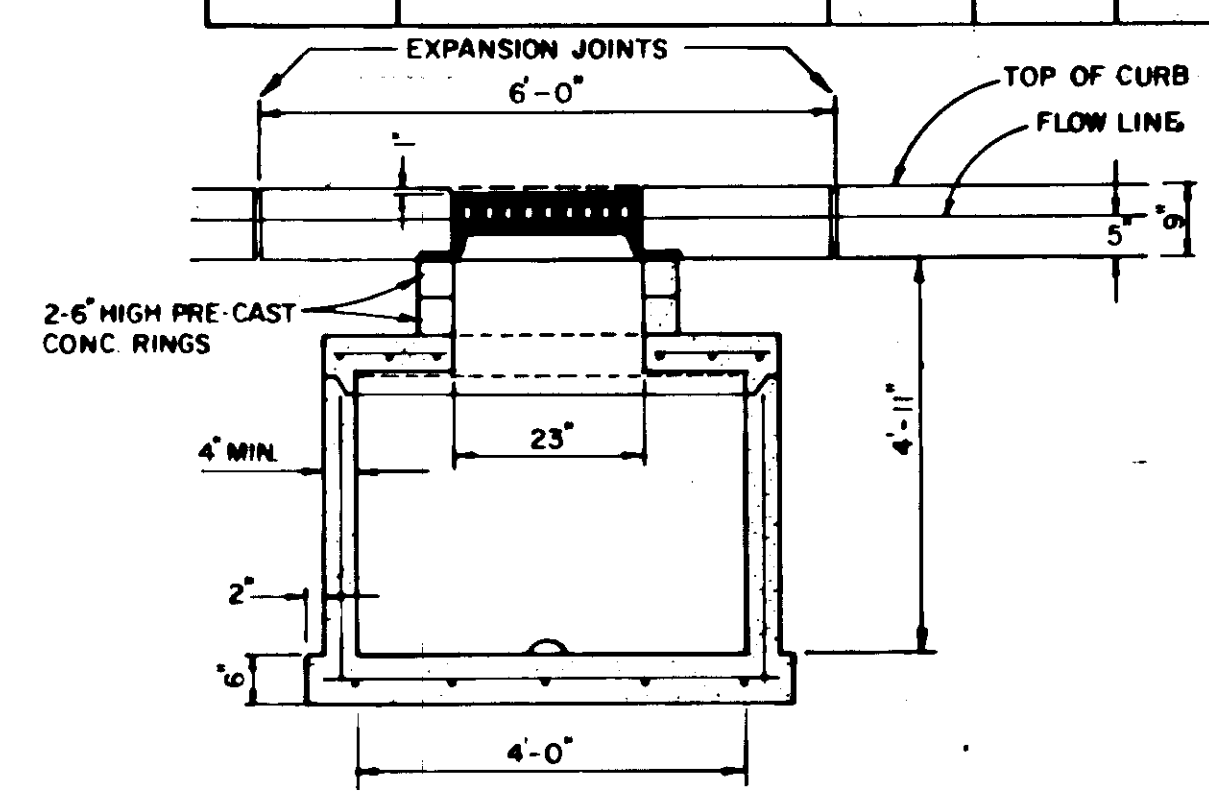
FIRE HYDRANT INSTALLATION



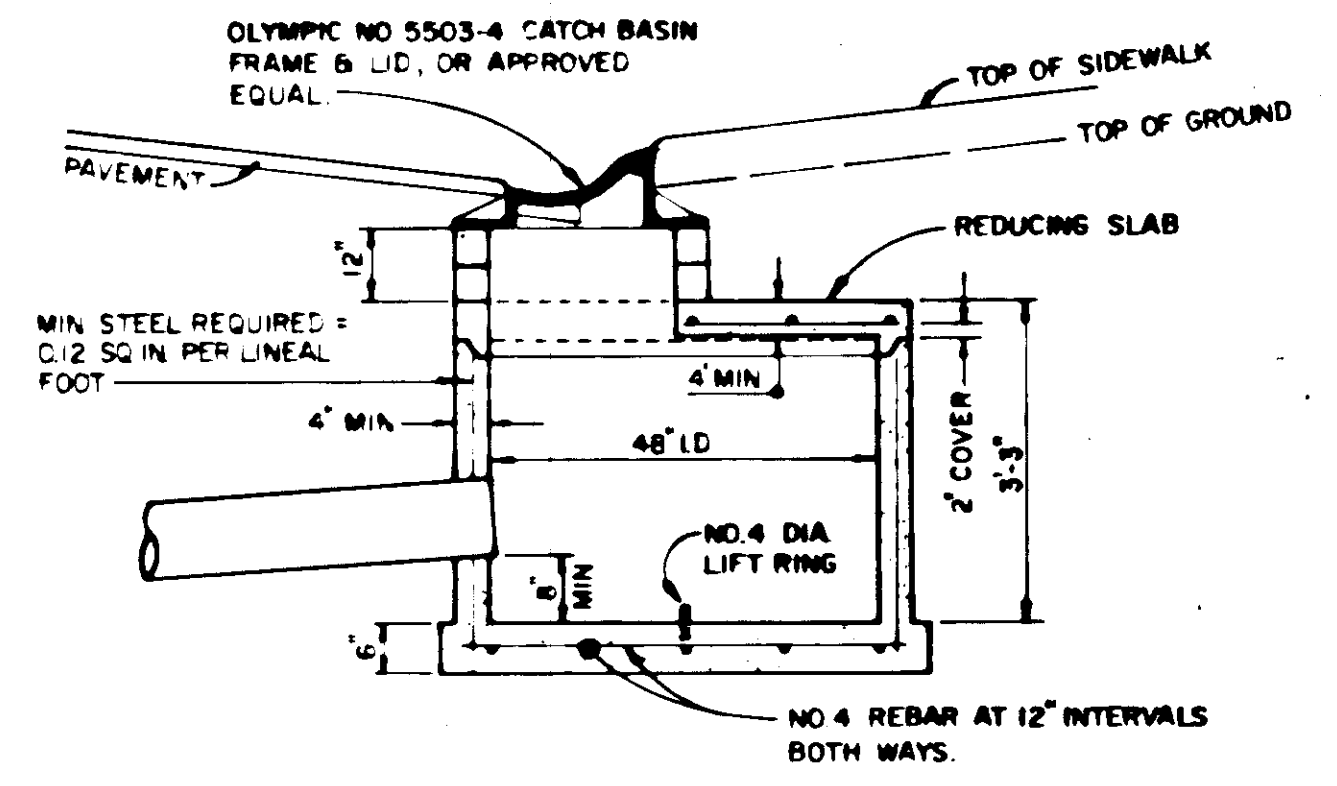
WATER VALVE BOX



TRANSITION DETAIL -- END OF PAVEMENT TO EXISTING GRADE ON INTERSECTING STREETS



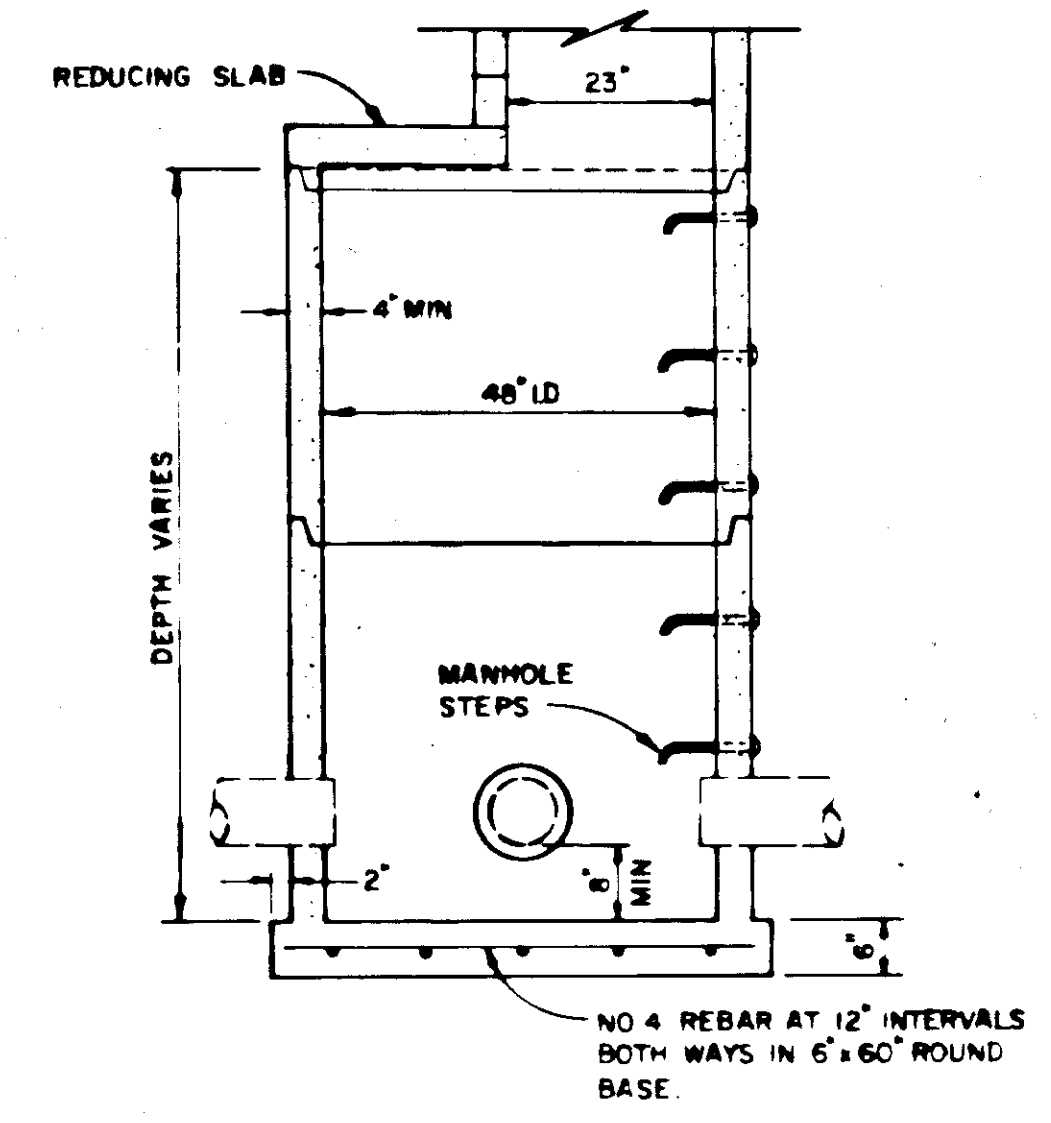
FRONT VIEW



SIDE VIEW

- NOTES:**
- AT CATCH BASIN, DELETE CONC CURB & GUTTER, PAVE TO FACE OF CATCH BASIN INLET.
 - COMPRESSIVE STRENGTH OF CONCRETE SHALL BE MINIMUM 4,000 PSI EXCEPT BASE SLAB WHICH MAY BE 3,000 PSI. BASE & BARREL SHALL BE CONNECTED BY CONTINUOUS STEEL.
 - CATCH BASIN RISERS & RINGS SHALL CONFORM TO ASTM C-478-69.

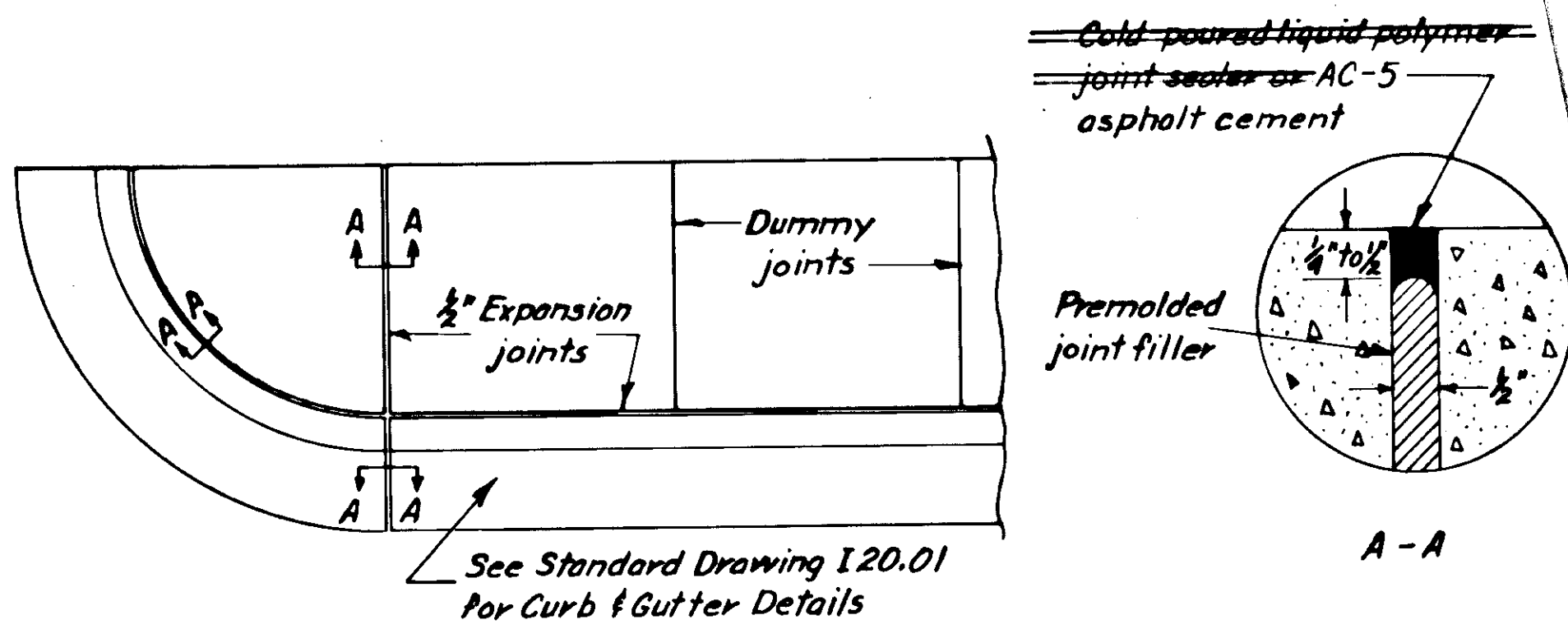
PRECAST CATCH BASIN



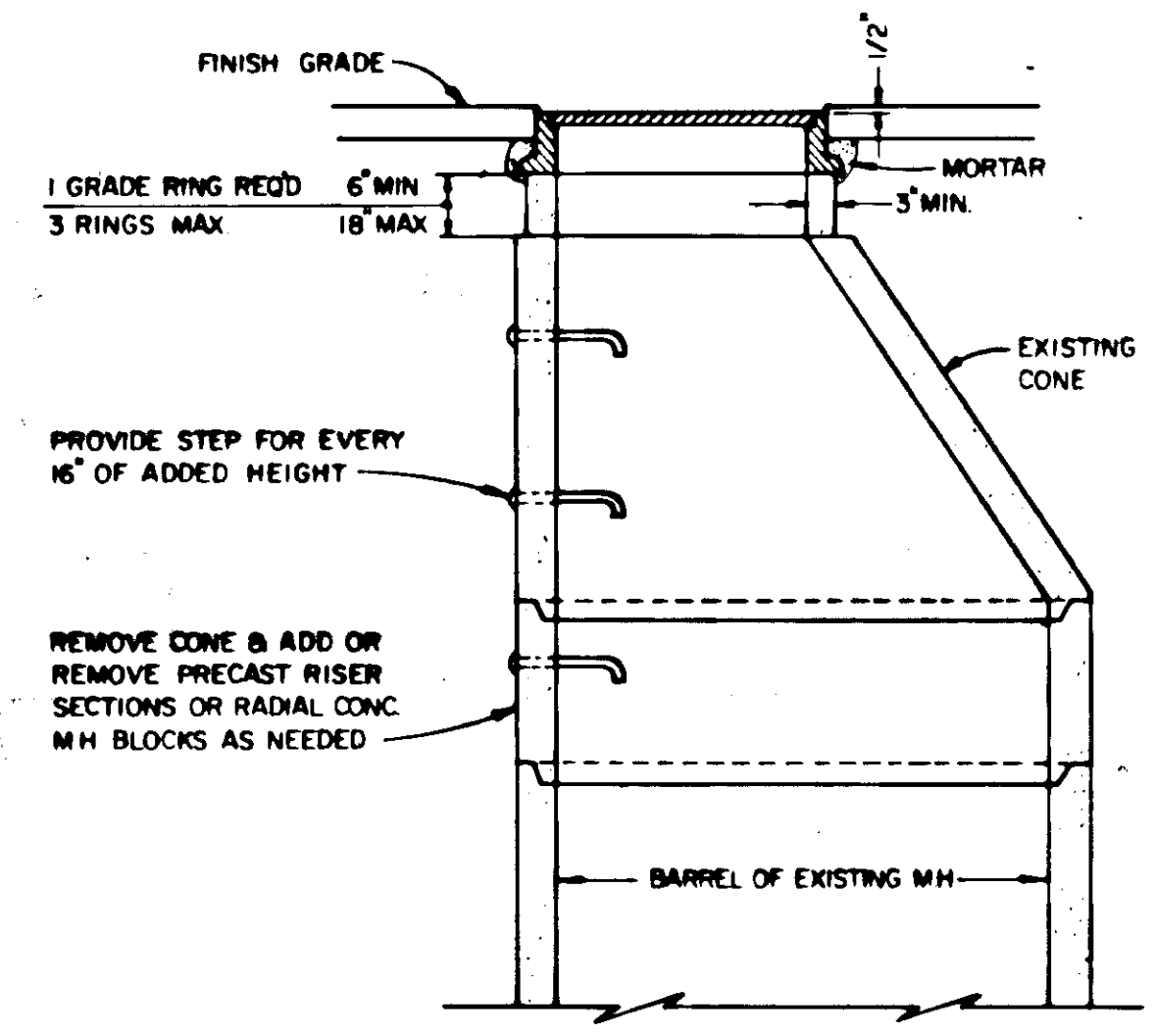
1. MANHOLE STEPS TO BE CONSTRUCTED PER ALASKA DEPARTMENT OF HIGHWAYS STANDARD D-2010.

CATCH BASIN MANHOLE

TYPICAL CURB & SIDEWALK JOINT DETAIL

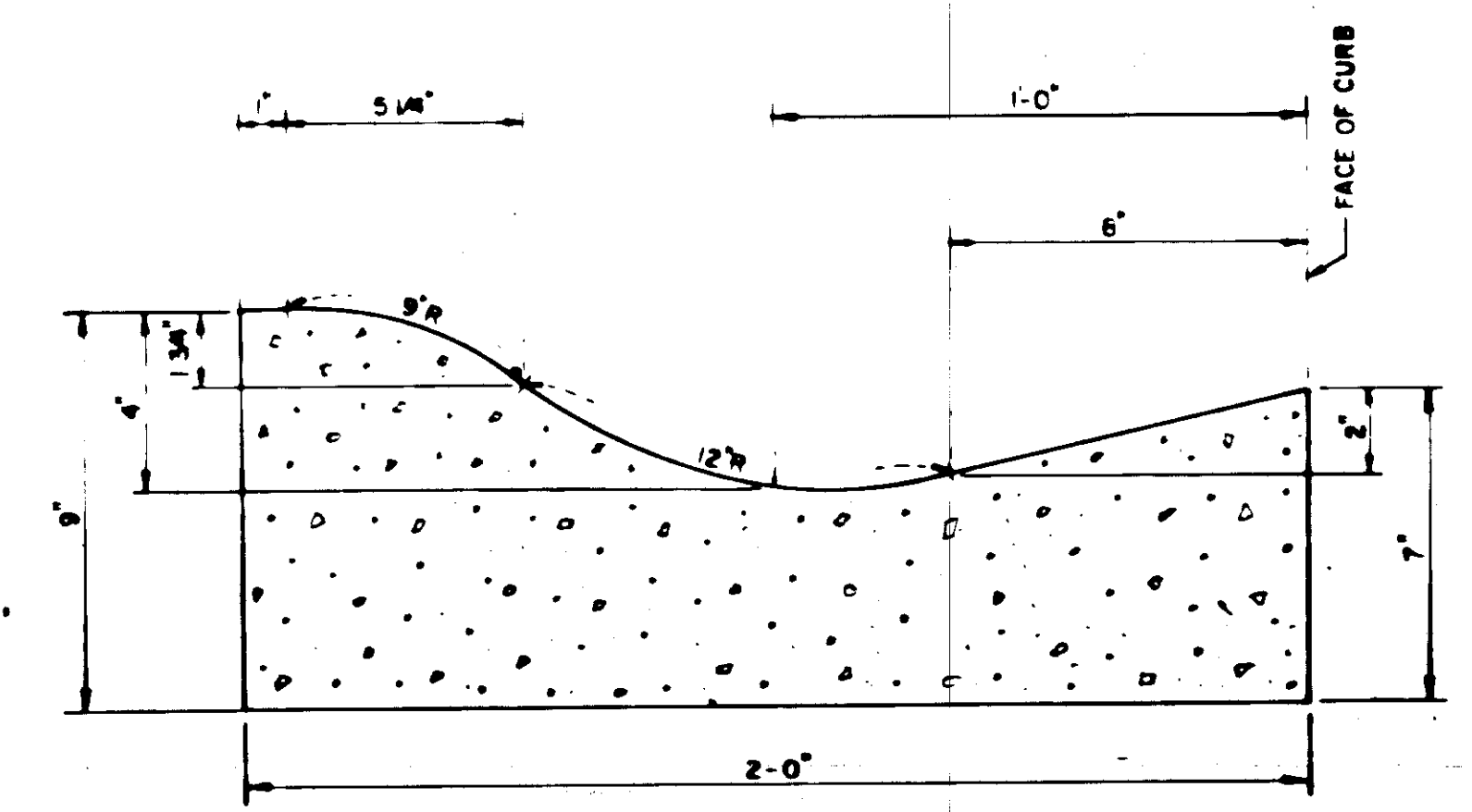


- Notes:**
- Premolded expansion joint filler and liquid polymer joint sealer (see specifications) or AC-5 asphalt cement shall be considered incidental to pay Item 608(1) "Concrete Sidewalk" and no separate payment shall be made therefore.
 - Curb and Gutter expansion joints shall be at each end of the curb return, and immediately following and preceding 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 and the spacing shall not exceed 6'.

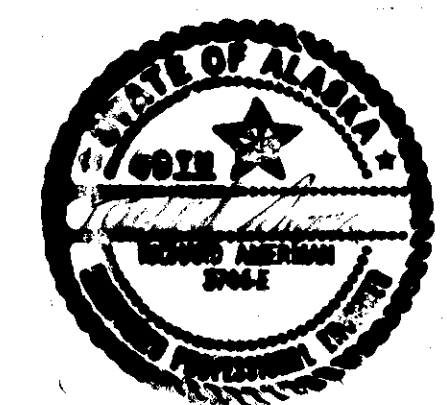


- NOTES:**
- RESET RING IN FULL BED OF MORTAR
 - RESET CONE IN MASTIC GASKET
 - REFER TO ASTM DESIGNATION C-478-69 FOR DESIGN AND STRENGTH REQUIREMENTS

MANHOLE CONE ADJUSTMENT



ROLLED CURB AND GUTTER



STREET IMPROVEMENTS

CITY & BOROUGH OF SITKA
P.O. BOX 79
SITKA, ALASKA 99835

DRAWN BY: J. SIMPSON
CHECKED BY: R. AMERMAN
SCALE:
DATE: JAN. 20, 1978

NO.	REVISION	DATE	BY