

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST REGION

*JNU-GLACIER HIGHWAY/ANKA ST.
INTERSECTION IMPROVEMENTS*

JUNEAU _____ ALASKA

FED. No. CA-0955(11)
PROJECT No. 67898

INDEX OF SHEETS

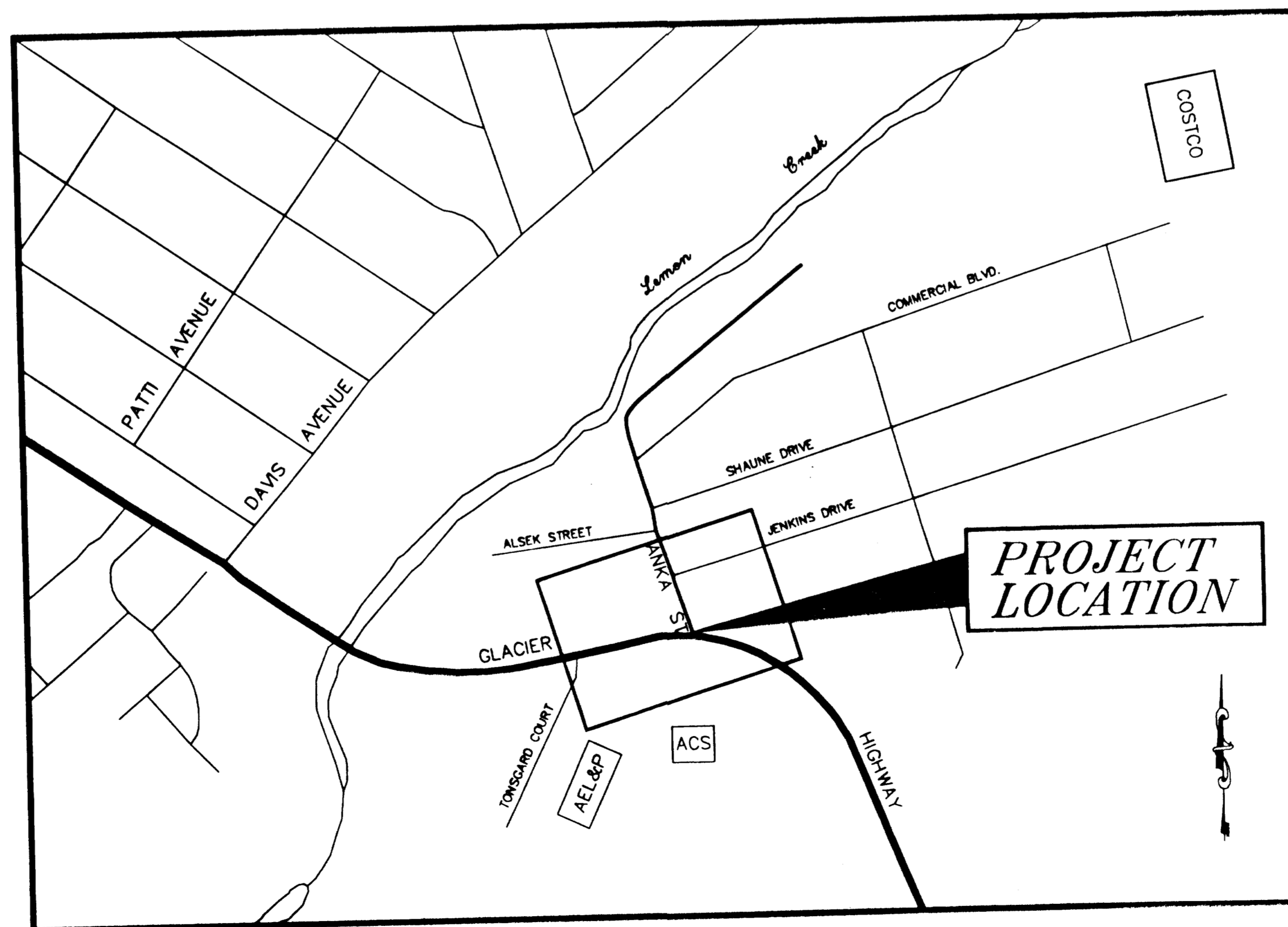
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C-1 TO C-2	TYPICAL SECTIONS
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DESIGN DESIGNATION

	GLACIER HIGHWAY
ADT 2001	9,990
ADT 2021	18,050
DHV 12% (2021)	2,150
% T	4.3%

PROJECT SUMMARY

	ANKA STREET	GLACIER HIGHWAY
LENGTH OF PROJECT	63.7m	260m
LENGTH OF GRADING	56.24m	73.24m
LENGTH OF PAVING	56.24m	73.24m
WIDTH OF PAVING	11.69m TO 20.78m	0.902m TO 2.53m



VICINITY MAP

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-1[M], C-01.03[M], C-02.01[M], C-03.10[M], C-04.11[M], C-05.10[M],
D-01.02[M], D-04.20[M], D-05.10[M], D-20.05[M], D-22.00[M], D-23.00[M],
D-24.00[M], D-26.04[M], D-35.02[M], D-36.01[M], F-01.01[M], I-20.13[M],
I-21.00[M], L-03.03[M], L-23.01[M], M-13.01[M], M-16.01[M], S-00.00[M],
S-05.01[M], S-20.00[M], S-30.02[M], T-20.01[M], T-21.02[M], T-22.03[M],
T-23.00[M], T-31.00[M], T-34.01[M], T-40.00[M], T-52.15[M], U-03.00[M]

*As shown
Approved: [Signature]
Project Engineer: Al Church
Signed: [Signature] July 2001
Date: Nov. 1, 2001
Total Contract Amt: \$649,165.00*

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST REGION

APPROVED: [Signature] Date: 4/24/01
Regional Preconstruction Engineer

APPROVED: [Signature] Date: 4/24/01
Director, S.E. Region

PROJECT NUMBER: 67898

DATE: March, 2001

SHEET A-1 OF 1

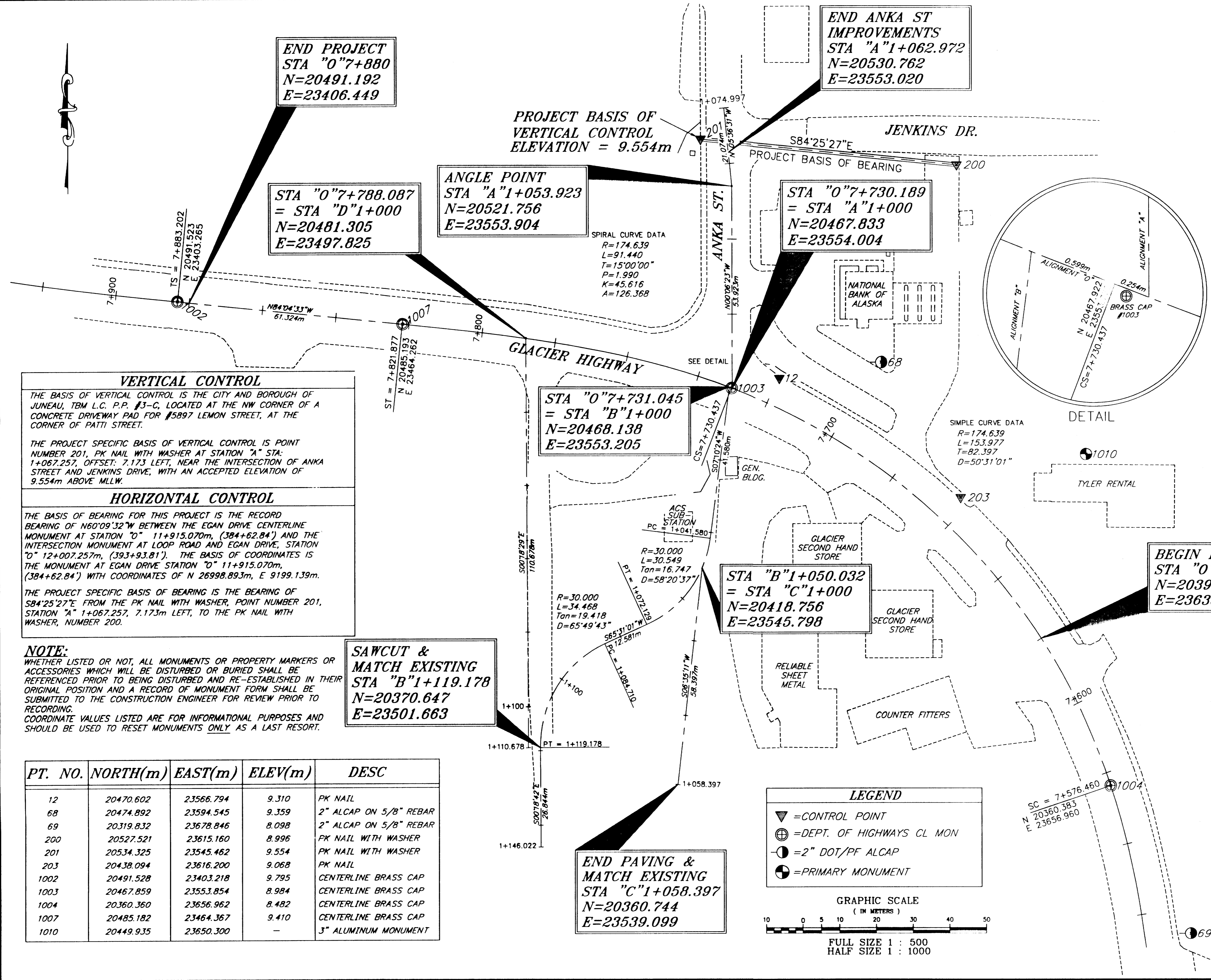
ENGINEER'S SEAL
STATE OF ALASKA
David D. Saldovar
CE-8307

SHEET NUMBER	TOTAL SHEETS	
B-1	2	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
APPENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
TR/GM	TR/GM	CH
ELECTRONIC PATHWAY:		
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EDTIME		
Kris Wed, 20/Jun/01 10:42AM		
STANDARDS:		
SPECIFICATIONS:		

JNU-GLACIER HIGHWAY/ANKA STREET INTERSECTION IMPROVEMENTS CONTROL DIAGRAM



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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VERTICAL CONTROL
THE BASIS OF VERTICAL CONTROL IS THE CITY AND BOROUGH OF JUNEAU, TBM L.C. P.P. #3-C, LOCATED AT THE NW CORNER OF A CONCRETE DRIVEWAY PAD FOR #5897 LEMON STREET, AT THE CORNER OF PATTI STREET.

THE PROJECT SPECIFIC BASIS OF VERTICAL CONTROL IS POINT NUMBER 201, PK NAIL WITH WASHER AT STATION "A" STA: 1+067.257, OFFSET: 7.173 LEFT, NEAR THE INTERSECTION OF ANKA STREET AND JENKINS DRIVE, WITH AN ACCEPTED ELEVATION OF 9.554m ABOVE MLLW.

HORIZONTAL CONTROL
THE BASIS OF BEARING FOR THIS PROJECT IS THE RECORD BEARING OF N60°09'32"W BETWEEN THE EGAN DRIVE CENTERLINE MONUMENT AT STATION "O" 11+915.070m, (384+62.84') AND THE INTERSECTION MONUMENT AT LOOP ROAD AND EGAN DRIVE, STATION "O" 12+007.257m, (393+93.81'). THE BASIS OF COORDINATES IS THE MONUMENT AT EGAN DRIVE STATION "O" 11+915.070m, (384+62.84') WITH COORDINATES OF N 26998.893m, E 9199.139m.

THE PROJECT SPECIFIC BASIS OF BEARING IS THE BEARING OF S84°25'27"E FROM THE PK NAIL WITH WASHER, POINT NUMBER 201, STATION "A" 1+067.257, 7.173m LEFT, TO THE PK NAIL WITH WASHER, NUMBER 200.

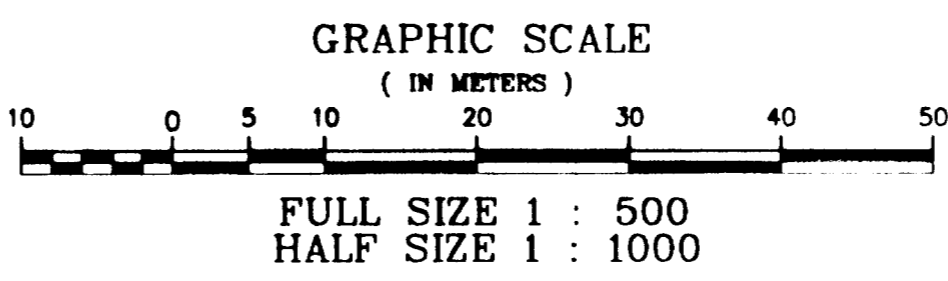
NOTE:
WHETHER LISTED OR NOT, ALL MONUMENTS OR PROPERTY MARKERS OR ACCESSORIES WHICH WILL BE DISTURBED OR BURIED SHALL BE REFERENCED PRIOR TO BEING DISTURBED AND RE-ESTABLISHED IN THEIR ORIGINAL POSITION AND A RECORD OF MONUMENT FORM SHALL BE SUBMITTED TO THE CONSTRUCTION ENGINEER FOR REVIEW PRIOR TO RECORDING.
COORDINATE VALUES LISTED ARE FOR INFORMATIONAL PURPOSES AND SHOULD BE USED TO RESET MONUMENTS ONLY AS A LAST RESORT.

PT. NO.	NORTH(m)	EAST(m)	ELEV(m)	DESC
12	20470.602	23566.794	9.310	PK NAIL
68	20474.892	23594.545	9.359	2" ALCAP ON 5/8" REBAR
69	20319.832	23678.846	8.098	2" ALCAP ON 5/8" REBAR
200	20527.521	23615.160	8.996	PK NAIL WITH WASHER
201	20534.325	23545.462	9.554	PK NAIL WITH WASHER
203	20438.094	23616.200	9.068	PK NAIL
1002	20491.528	23403.218	9.795	CENTERLINE BRASS CAP
1003	20467.859	23553.854	8.984	CENTERLINE BRASS CAP
1004	20360.360	23656.962	8.482	CENTERLINE BRASS CAP
1007	20485.182	23464.367	9.410	CENTERLINE BRASS CAP
1010	20449.935	23650.300	-	3" ALUMINUM MONUMENT

END PAVING & MATCH EXISTING
STA "C"1+058.397
N=20360.744
E=23539.099

LEGEND

- ▼ = CONTROL POINT
- ⊕ = DEPT. OF HIGHWAYS CL MON
- = 2" DOT/PF ALCAP
- ⊙ = PRIMARY MONUMENT



SAWCUT & MATCH EXISTING
STA "B"1+119.178
N=20370.647
E=23501.663

STA "O"7+731.045
= STA "B"1+000
N=20468.138
E=23553.205

STA "B"1+050.032
= STA "C"1+000
N=20418.756
E=23545.798

STA "O"7+730.189
= STA "A"1+000
N=20467.833
E=23554.004

STA "O"7+788.087
= STA "D"1+000
N=20481.305
E=23497.825

ANGLE POINT
STA "A"1+053.923
N=20521.756
E=23553.904

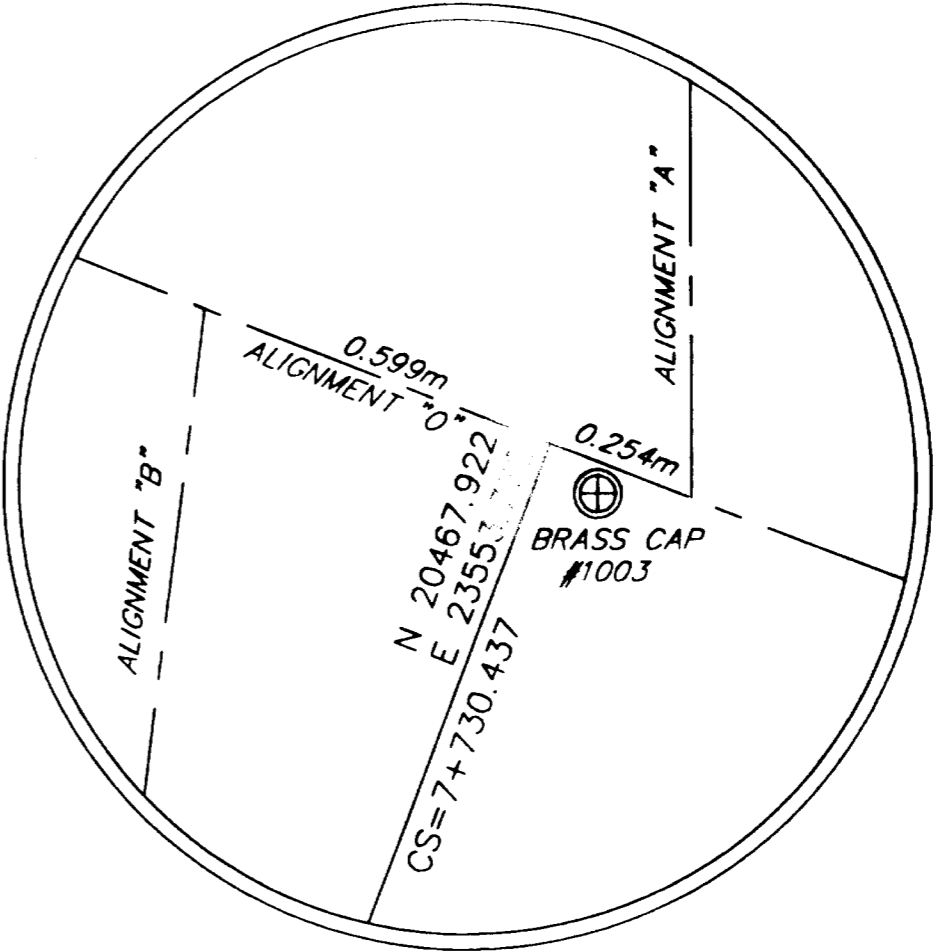
END ANKA ST IMPROVEMENTS
STA "A"1+062.972
N=20530.762
E=23553.020

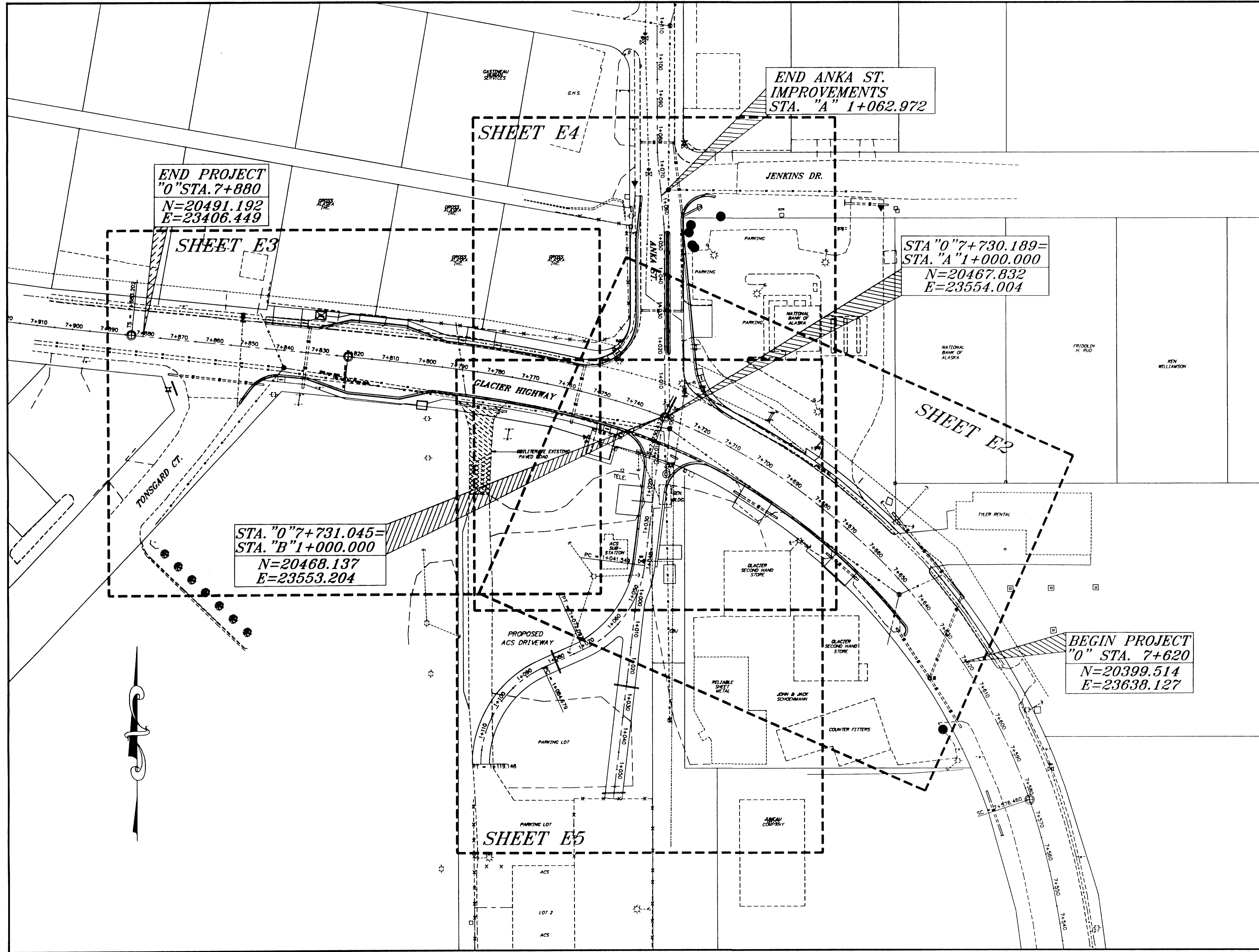
END PROJECT
STA "O"7+880
N=20491.192
E=23406.449

PROJECT BASIS OF VERTICAL CONTROL
ELEVATION = 9.554m

SPIRAL CURVE DATA
R=174.639
L=91.440
T=15°00'00"
P=1.990
K=45.616
A=126.368

SIMPLE CURVE DATA
R=174.639
L=153.977
T=82.397
D=50°31'01"





SHEET NUMBER	TOTAL SHEETS	
B-2	2	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
APPENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
CH	KK	DS
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SPECIFICATIONS:		

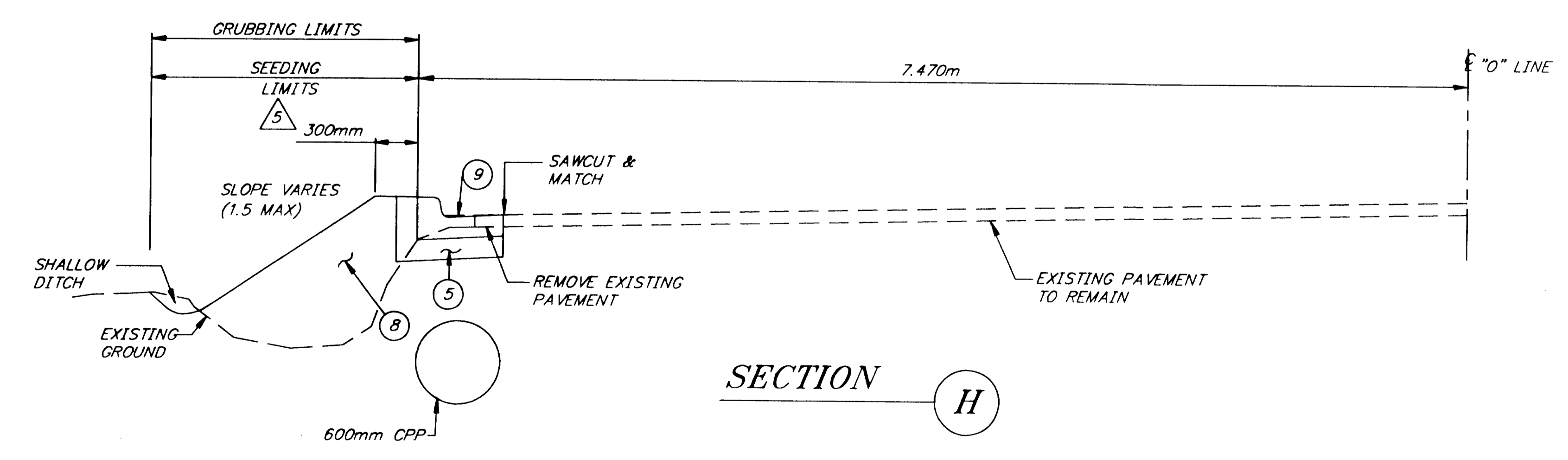
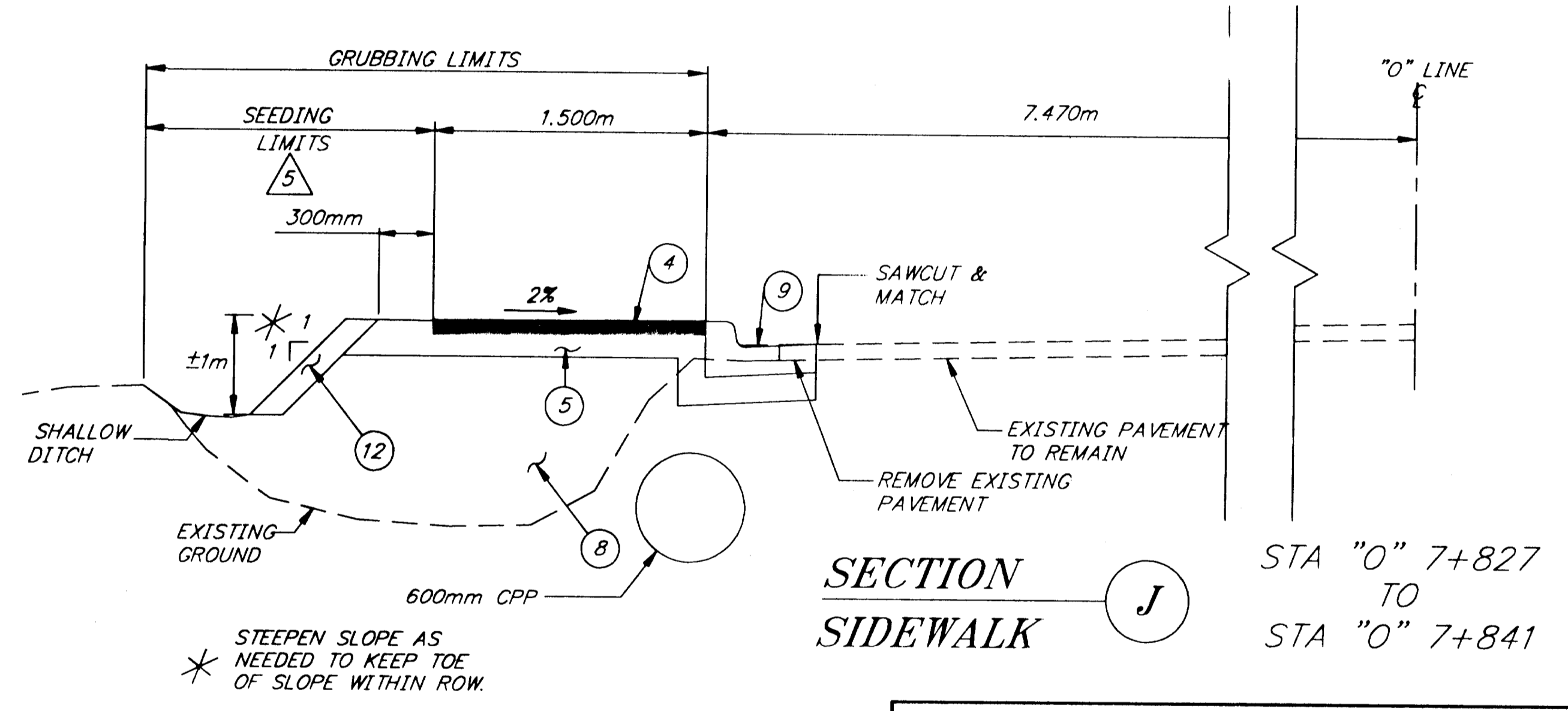
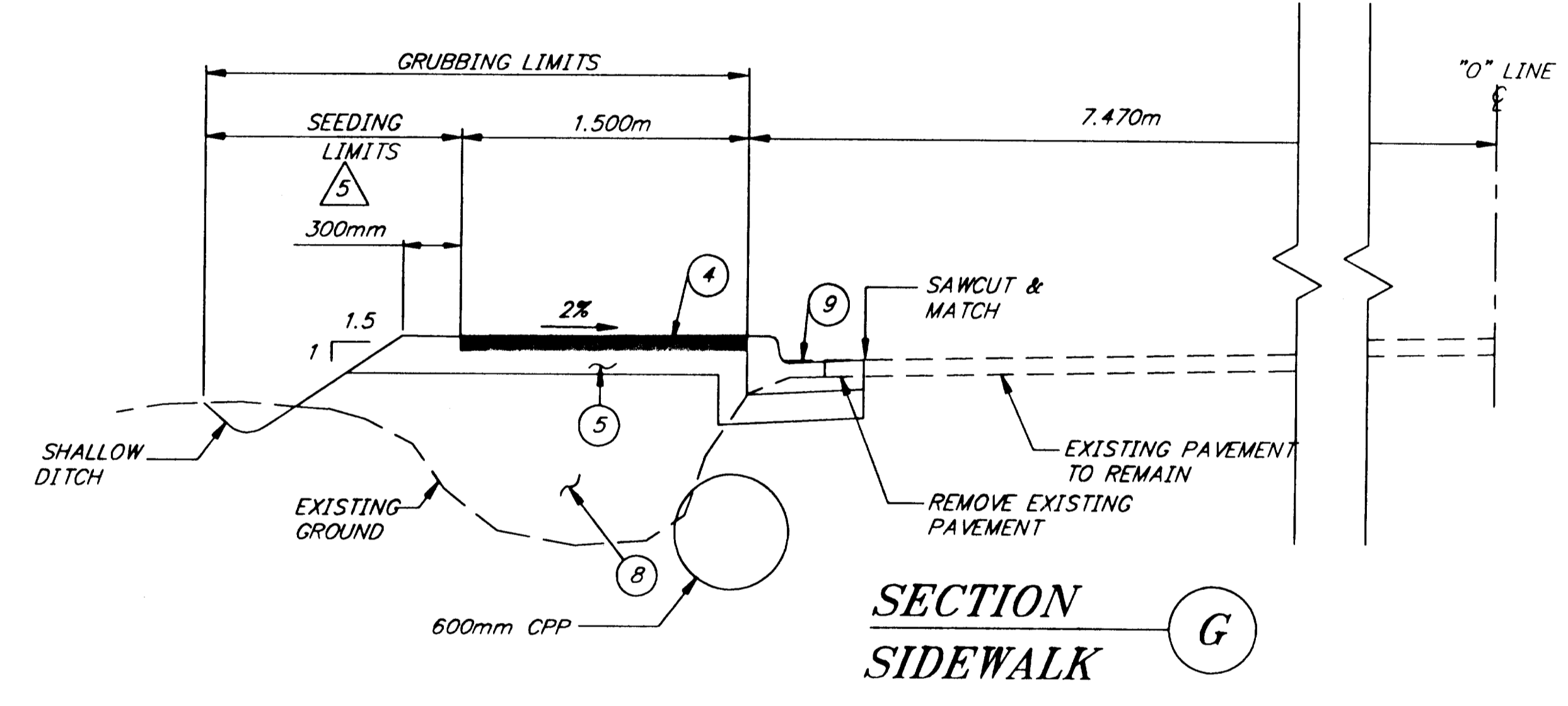
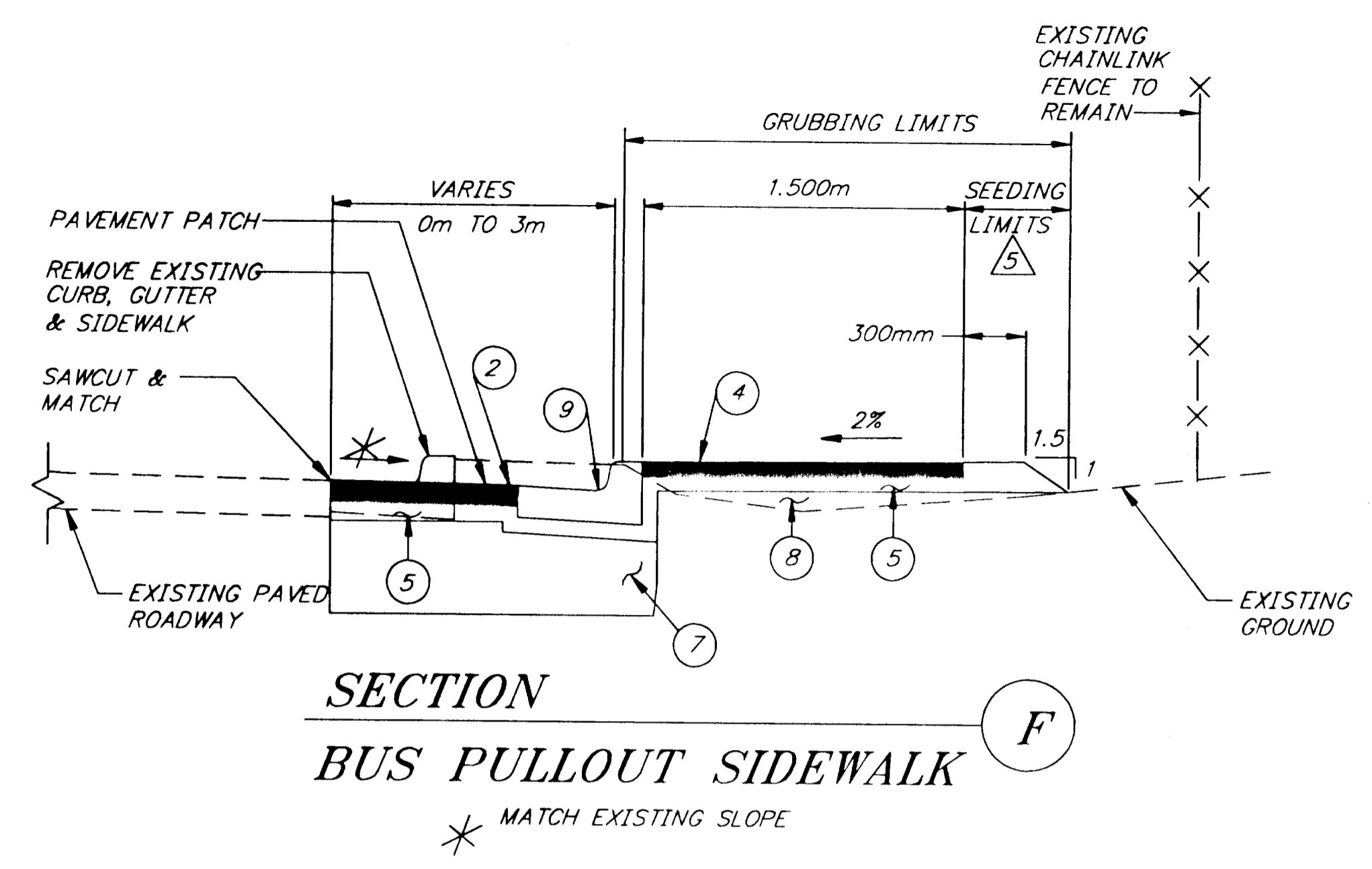
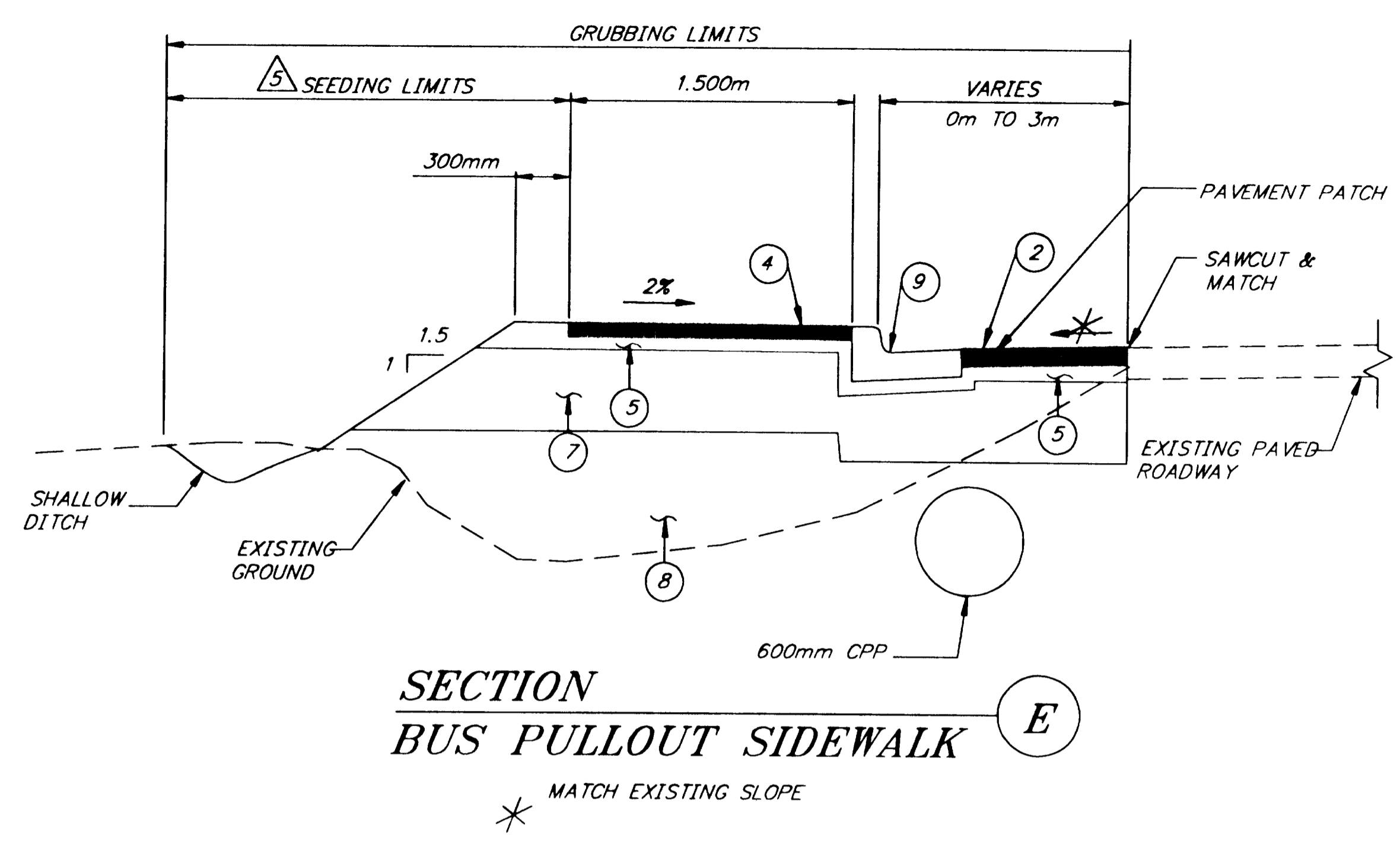
JNU-GLACIER HIGHWAY/ANKA STREET
 INTERSECTION IMPROVEMENTS
 LAYOUT PLAN



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
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 SOUTHEAST
 REGION

SHEET NUMBER	TOTAL SHEETS	
C-2	2	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
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C.H.	K.K.	D.S.
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SPECIFICATIONS:		

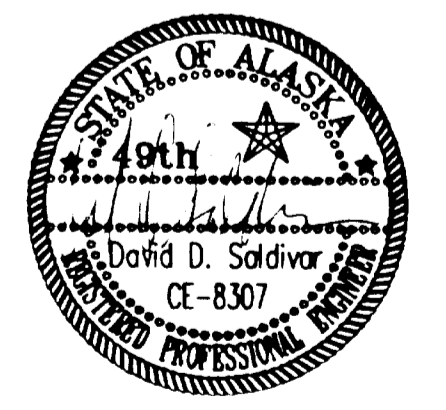


- LEGEND**
- ① 100mm ASPHALT CONCRETE, TYPE II, CLASS A
 - ② 75mm ASPHALT CONCRETE, TYPE II, CLASS A
 - ③ 65mm ASPHALT CONCRETE, TYPE II, CLASS A
 - ④ 38mm ASPHALT SIDEWALK
 - ⑤ 100mm AGGREGATE BASE COURSE
 - ⑥ 300mm SELECTED MATERIAL, TYPE A
 - ⑦ 450mm SELECTED MATERIAL, TYPE A
 - ⑧ SELECTED MATERIAL, TYPE A
 - ⑨ STANDARD CURB & GUTTER, TYPE I
 - ⑩ EXPRESSWAY CURB & GUTTER, TYPE I
 - ⑫ 300mm RIPRAP, CLASS I

⑤ 50mm OF TOPSOIL SHALL BE APPLIED TO SLOPE SURFACE PRIOR TO SEEDING.

NOTE: DO NOT SCALE FROM THESE PLANS -USE DIMENSIONS

JNU - GLACIER HIGHWAY/ANKA STREET INTERSECTION IMPROVEMENTS TYPICAL SECTIONS



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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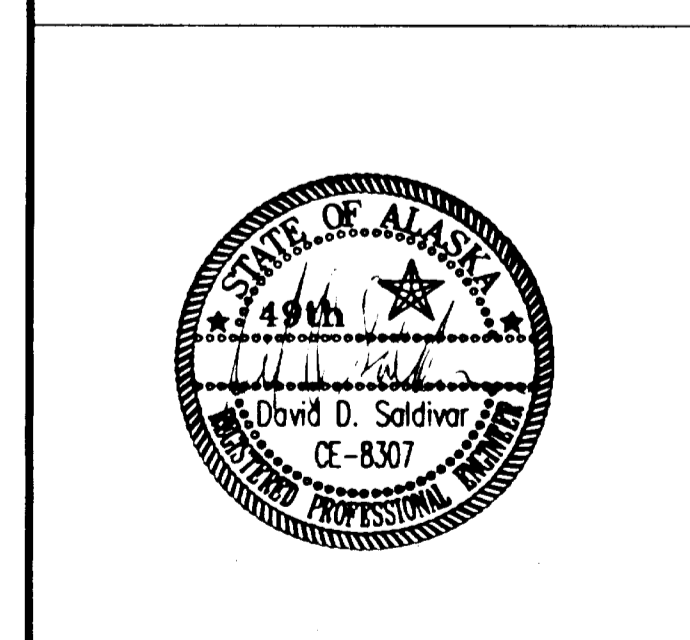
ESTIMATE OF QUANTITIES			
ITEM No.	ITEM	UNIT	TOTAL
202 (1)	Removal of Structures and Obstructions	Lump Sum	All Required
203 (3)	Unclassified Excavation	Cubic Meter	325
203 (6)	Borrow	Megagram	1700
301 (1)	Aggregate Base Course	Megagram	750
401 (1)	Asphalt Concrete, Type II, Class A	Megagram	450
401 (2)	Asphalt Cement, Grade PG 58-28	Megagram	27
402 (1)	STE-1 Asphalt for Tack Coat	Megagram	1
511 (1)	Bus Stop Shelter	Each	2
603 (1-200)	200 mm CSP	Meter	6.5
603 (1-300)	300 mm CSP	Meter	45.1
603 (1-380)	380 mm CSP	Meter	27
603 (21-460)	460 mm Corrugated Polyethylene Pipe	Meter	18.4
603 (21-600)	600 mm Corrugated Polyethylene Pipe	Meter	247.4
603 (22)	Culvert Grate	Each	1
604 (1-1.2)	1.2m Storm Sewer Manhole	Each	8
604 (1-1.8)	1.8m Storm Sewer Manhole	Each	2
604 (3)	Reconstruct Existing Manhole	Each	1
604 (4)	Adjust Existing Manhole	Each	2
604 (5)	Inlet, Type "A"	Each	4
604 (8)	Field Inlet, Type I	Each	5
604 (9)	Field Inlet, Type II	Each	1
607 (3)	Chain Link Fence	Meter	36
607 (7)	Relocate Chain Link Fence Gates	Lump Sum	All Required
608 (3)	Asphalt Sidewalk	Square Meter	540
608 (7)	Red Concrete Landing	Square Meter	12
609 (2A)	Standard Curb And Gutter, Type I	Meter	587.3
615 (1)	Standard Sign	Square Meter	7.67
615 (5)	Delineator, Flexible	Each	13
615 (7)	Remove and Relocate Existing Business Sign	Lump Sum	All Required
618 (5)	Seeding	Lump Sum	All Required
627 (10)	Adjustment of Valve Box	Each	2
630 (2)	Geotextile, Reinforcement	Square Meter	800
693 (2)	Commercial Driveway	Each	7
640 (1)	Mobilization and Demobilization	Lump Sum	All Required
641 (2)	Erosion and Pollution Control	Contingent Sum	All Required
641 (3)	Erosion and Pollution Control	Lump Sum	All Required
642 (1)	Construction Surveying	Lump Sum	All Required
642 (3)	Three Person Survey Party	Hour	5
643 (2)	Traffic Maintenance	Lump Sum	All Required
643 (3)	Permanent Construction Signs	Lump Sum	All Required
643 (15)	Flagging	Contingent Sum	All Required
643 (25)	Traffic Control	Contingent Sum	All Required
660 (1)	Traffic Signal System Complete	Lump Sum	All Required
660 (3)	Highway Lighting System Complete	Lump Sum	All Required
660 (14)	Uninterruptible Power System Complete	Lump Sum	All Required
660 (15)	Signal Cabinet Shop Testing	Contingent Sum	All Required
661 (1)	Load Center, Type 1	Each	1
670 (8)	Recessed Pavement Marker	Each	30
670 (10)	Methyl Methacrylate Pavement Markings	Lump Sum	All Required

203 (6)	300 mm Borrow, CD # 1	Megagram	325
203 (1a)	Traffic Signal System, CD # 2	Lump Sum	All Required
401 (1a)	Slit Surface Asphalt, Type II, Class A, CD # 1	Megagram	240.71
401 (1b)	Asphalt Concrete, Type II, Class B, CD # 1	Megagram	219.58
401 (2a)	Asphalt Cement, Grade 64-78, CD # 1	Megagram	30.72

BASIS OF ESTIMATE		
ITEM No.	ITEM	QUANTITY
203 (6)	Borrow	2.17 Mg/m ³
301 (1)	Aggregate Base Course	2.32 Mg/m ³
401 (1)	Asphalt Concrete, Type II, Class A	2.48 kg/m ² per mm
401 (2)	Asphalt Cement, Grade PG 58-28	6% of 401 (1)
402 (1)	STE-1 Asphalt For Tack Coat	0.363 l/m ² , 923 l/Mg

SHEET NUMBER	TOTAL SHEETS	
D-1	6	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
APPENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
C.H.	K.K.	D.S.
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SPECIFICATIONS:		

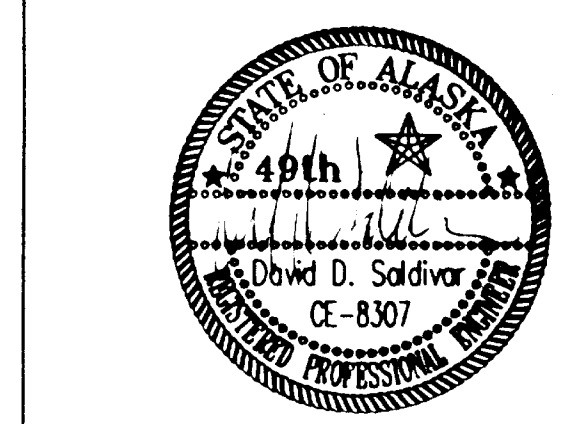
**JNU - GLACIER HIGHWAY/ANKA STREET
 INTERSECTION IMPROVEMENTS
 ESTIMATE OF QUANTITIES**



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
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 SOUTHEAST
 REGION

SHEET NUMBER	TOTAL SHEETS	
D-2	6	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
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STANDARDS:		
SPECIFICATIONS:		

JNU-GLACIER HIGHWAY/ANKA STREET
 INTERSECTION IMPROVEMENTS
 SUMMARY



STATE OF ALASKA
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REMOVAL OF STRUCTURES AND OBSTRUCTIONS SUMMARY

INLET REMOVAL SUMMARY			
STATION	OFFSET		REMARKS
	LEFT	RIGHT	
"O" 7+755.82		6.85	REMOVE AND DISPOSE OF EXISTING INLET BOX.
"O" 7+833.223		7.23	REMOVE AND DISPOSE OF EXISTING INLET BOX.
"A" 1+030.03		4.89	REMOVE AND DISPOSE OF EXISTING INLET BOX.
"A" 1+030.28	6.61		REMOVE AND DISPOSE OF EXISTING INLET BOX.
"A" 1+056.80		5.21	REMOVE AND DISPOSE OF EXISTING INLET BOX.

CULVERT REMOVAL						
FROM		TO		SIZE	LENGTH	REMARKS
STATION	OFFSET	STATION	OFFSET	(mm)	(m)	
"O" 7+622.00	10.137 LT	"O" 7+639.48	9.47 LT	460	17.06	
"O" 7+657.67	8.48 LT	"O" 7+670.09	9.00 LT	460	11.81	
"O" 7+688.01	9.78 LT	"O" 7+703.26	10.10 LT	460	14.38	
"O" 7+722.39	9.35 LT	"O" 7+724.77	9.24 LT	460	2.26	
"O" 7+740.19	9.47 LT	"O" 7+749.00	9.49 LT	460	8.40	
"O" 7+755.81	9.44 LT	"O" 7+755.80	6.50 LT	600	2.95	
"O" 7+774.94	9.80 LT	"O" 7+789.53	9.77 LT	460	14.83	
"O" 7+833.66	10.11 LT	"O" 7+833.56	6.50 LT	600	3.61	
"O" 7+844.65	10.18 LT	"O" 7+871.87	9.88 LT	460	27.22	
"A" 1+030.27	6.41 LT	"A" 1+030.04	4.60 RT	460	11.01	
"A" 1+030.34	4.90 RT	"A" 1+056.499	5.14 RT	460	26.64	
"A" 1+056.74	5.40 RT	"A" 1+058.97	10.78 RT	460	5.99	
TOTAL =					146.16	

REMOVAL OF PAVEMENT = 955m²

REMOVAL OF SIDEWALK = 485m²

REMOVAL OF CURB AND GUTTER = 223m

REMOVE AND RELOCATE EXISTING SIGN = 3 SIGNS

SALVAGE SIGN = 1 SIGN

CURB CUT SUMMARY

STATION	OFFSET		TYPE	CURB CUT WIDTH (m)	REMARKS
	LEFT	RIGHT			
"O" 7+663.687	7.470		II	8 m	DRIVEWAY
"O" 7+696.586	7.470		II	9 m	DRIVEWAY
"O" 7+743.086	7.470		I	2 m	WHEELCHAIR RAMP
"O" 7+785.657		7.470	II	8 m	DRIVEWAY
"O" 7+839.927		7.470	II	8 m	DRIVEWAY
"O" 7+843.107	8.003		III	4.22 m	WHEELCHAIR RAMP
"A" 1+012.733		9.030	I	1.5 m	WHEELCHAIR RAMP
"A" 1+016.813	14.974		I	1.5 m	WHEELCHAIR RAMP
"A" 1+027.060		6.426	II	9 m	DRIVEWAY
"B" 1+023.847		3.500	II	8 m	DRIVEWAY

NOTE:
STATION AND OFFSET ARE MEASURED TO BACK OF CURB AND CENTER OF WHEELCHAIR RAMP/DRIVEWAY.

DRIVEWAY SUMMARY

STATION	OFFSET		WIDTH (m)	REMARKS
	LEFT	RIGHT		
"O" 7+663.687	X		8 m	
"O" 7+696.586	X		9 m	
"O" 7+785.657		X	8 m	
"O" 7+839.927		X	8 m	
"A" 1+027.060		X	9 m	
"B" 1+023.847		X	8 m	
"B" 1+037.412	X		4 m	

NOTE:
SEE SHEET F-1 FOR DRIVEWAY PROFILES.

UTILITY ADJUSTMENT SUMMARY

STATION	OFFSET		REMARKS
	LEFT	RIGHT	
"O" 7+722.653	11.252		ADJUST VALVE BOX TO GRADE.
"B" 1+040.520		1.116	ADJUST VALVE BOX TO GRADE.
"B" 1+032.371	2.7		ADJUST MANHOLE TO GRADE
"B" 1+044.949	1.3		ADJUST MANHOLE TO GRADE

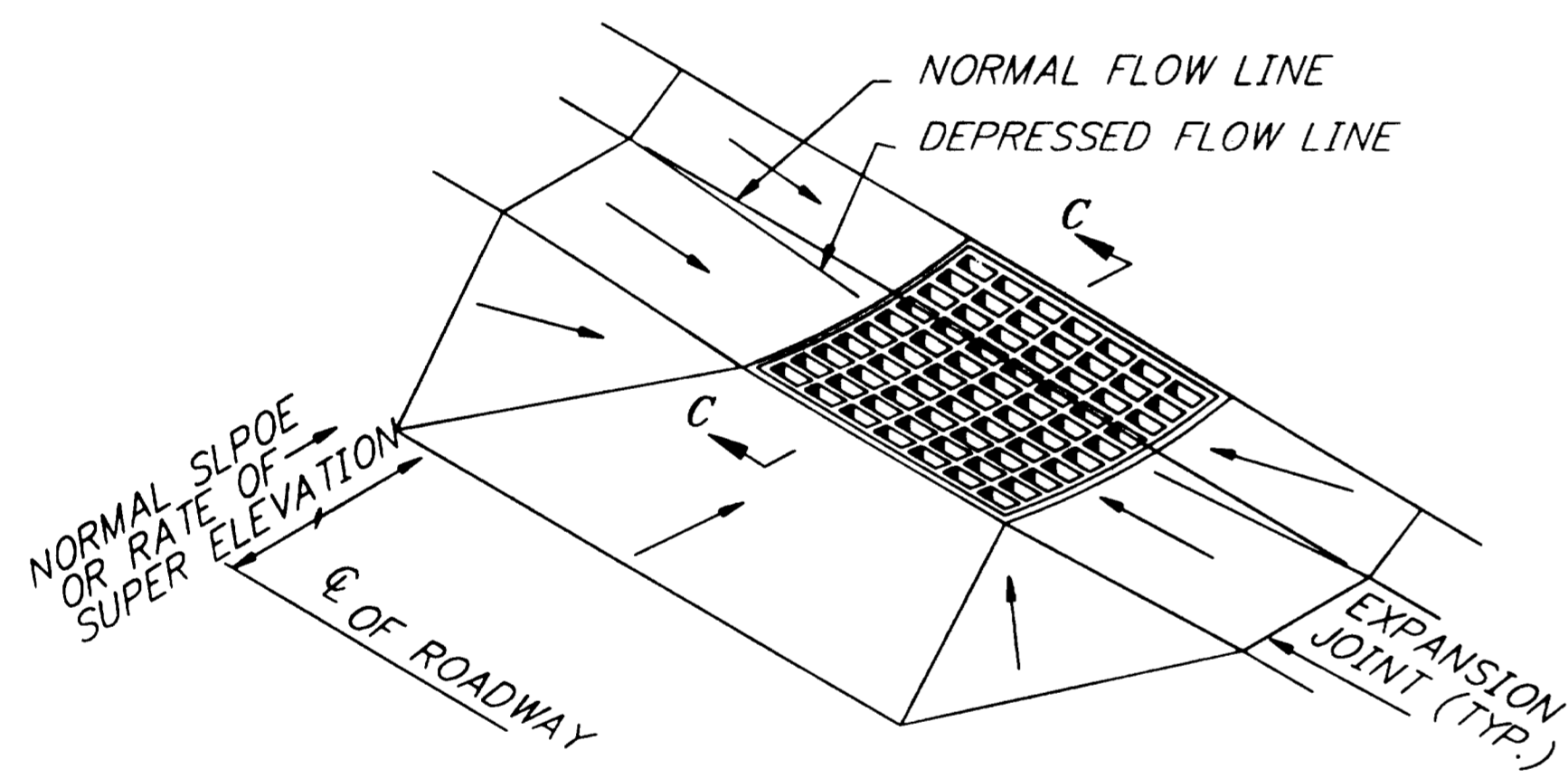
CHAIN LINK FENCE SUMMARY

FROM		TO		LENGTH (m)	HEIGHT (m)	REMARKS
STATION	OFFSET	STATION	OFFSET			
"B" 1+015.000	7.702m LT	"B" 1+048.366	13.391m LT	36	1.2	NEW FENCE
"O" 7+809	12m RT	"O" 7+785.299	12.214m RT			RELOCATE EXISTING CHAIN LINK FENCE GATE
"O" 7+822	12m RT	"O" 7+839.927	12.876m RT			RELOCATE EXISTING CHAIN LINK FENCE GATE

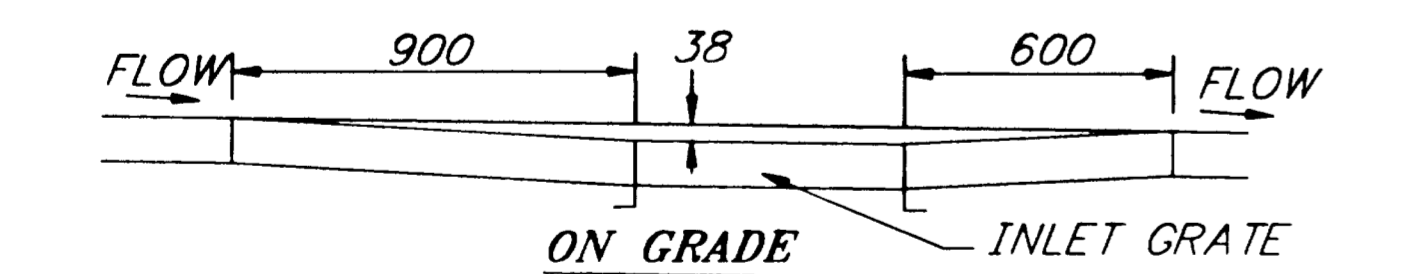
PIPE SUMMARY								
PIPE NUMBER	TYPE	DIAMETER	LENGTH	FROM STRUCTURE	INVERT	TO STRUCTURE	INVERT	REMARKS
P-1	CPP	600	16.400	S-2	7.334	S-1	7.260	
P-2	CPP	600	3.230	S-3	7.347	S-2	7.334	
P-3	CPP	600	32.764	S-4	7.499	S-3	7.347	
P-4	CPP	600	33.107	S-5	7.653	S-4	7.499	
P-4A	CSP	300	3.398	S-4A	7.624	S-4	7.584	
P-5	CPP	600	33.752	S-6	7.810	S-5	7.653	
P-5A	CSP	300	2.686	S-5A	7.710	S-5	7.680	
P-6	CPP	600	12.573	S-7	7.869	S-6	7.810	
P-7	CPP	600	26.900	S-8	7.994	S-7	7.869	
P-7A	CSP	300	3.406	S-7A	7.971	S-7	7.940	
P-8	CPP	600	23.100	S-9	8.101	S-8	7.994	
P-8A	CSP	300	3.367	S-8A	8.100	S-8	8.050	
P-9	CPP	600	27.200	S-10	8.228	S-9	8.101	
P-10	CPP	600	38.335	STA. "O" 7+871.869, 9.884m LT	8.460	S-10	8.280	INSTALL CULVERT GRATE, SEE DETAIL SHEET K-3.
P-10A	CSP	300	5.861	S-10A	8.290	S-10	8.260	
P-11	CPP	460	12.533	S-11A	8.590	S-11	8.340	
P-12	CPP	460	5.895	S-12	8.189	OUTFALL	8.165	CONSTRUCT CONCRETE HEADWALL, SEE DETAIL SHEET K-1.
P-13	CSP	380	26.946	S-13	8.316	S-12	8.209	
P-14	CSP	300	14.976	S-14	8.376	S-13	8.316	
P-15	CSP	300	6.500	STA. "B" 1+080.522, 3.195m RT	8.040	STA. "B" 1+080.815, 3.298m LT	7.940	CULVERT PIPE
P-16	CSP	300	7.000	STA. "C" 1+026.368, 3.436m RT	7.500	STA. "C" 1+026.242, 3.563m LT	7.360	CULVERT PIPE
P-17	CSP	200	6.500	STA. "C" 1+057.259, 3.280m RT	7.180	STA. "C" 1+056.227, 3.137m LT	7.150	CULVERT PIPE, SEE P-17 DETAIL, SHEET K-1.

SHEET NUMBER	TOTAL SHEETS	
D-3	6	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
APPENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
C.H.	K.K.	D.S.
ELECTRONIC PATHWAY:		
Q:\Jnu\67898\Dr\Sum4.dwg		
EDTIME		
Rhonda Wed, 20/Jun/01 11:15AM		
STANDARDS:		
SPECIFICATIONS:		

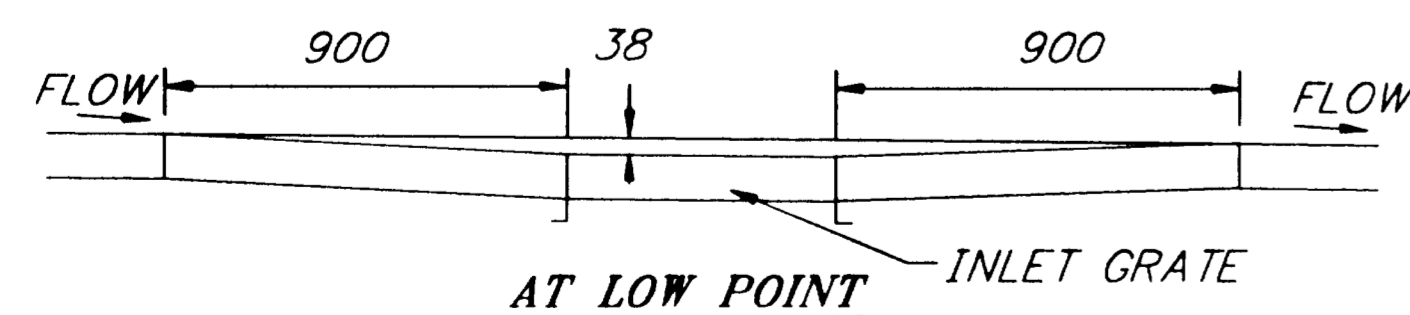
DRAINAGE STRUCTURE SUMMARY					
STRUCTURE NUMBER	STATION	OFFSET (m)	TOP OF GRATE/LID	STRUCTURE INVERT	REMARKS
S-1	0 7+621.406	10.368 LT	8.150	EXISTING	RECONSTRUCT EXISTING MANHOLE TO LOWER P-1
S-2	0 7+638.841	10.418 LT	8.110	6.874	FIELD INLET TYPE II
S-3	0 7+638.817	6.870 LT	8.380	6.887	1.2m STORM DRAIN MANHOLE WITH TYPE "B" HOOD
S-4	0 7+673.024	6.870 LT	8.410	7.039	1.2m STORM DRAIN MANHOLE WITH TYPE "B" HOOD
S-4A	0 7+673.011	10.493 LT	8.110	7.164	FIELD INLET TYPE I
S-5	0 7+707.588	6.870 LT	8.610	7.193	1.2m STORM DRAIN MANHOLE WITH TYPE "B" HOOD
S-5A	0 7+707.691	9.779 LT	8.150	7.250	FIELD INLET TYPE I
S-6	0 7+742.798	6.870 LT	8.965	7.350	1.2m STORM DRAIN MANHOLE WITH GUTTER INLET
S-7	0 7+755.786	6.870 LT	9.110	7.409	1.8m STORM DRAIN MANHOLE WITH TYPE "B" HOOD
S-7A	0 7+755.815	10.500 LT	8.480	7.511	FIELD INLET TYPE I
S-7B	0 7+755.775	6.997 RT	9.230	7.874	TYPE "A" CURB INLET WITH TYPE "B" HOOD
S-8	0 7+783.353	6.870 LT	9.410	7.534	1.2m STORM DRAIN MANHOLE WITH TYPE "B" HOOD
S-8A	0 7+783.092	10.452 LT	8.580	7.660	FIELD INLET TYPE I
S-9	0 7+806.555	9.892 LT	9.460	7.641	1.2m STORM DRAIN MANHOLE WITH TYPE "B" HOOD
S-10	0 7+833.634	6.870 LT	9.490	7.768	1.8m STORM DRAIN MANHOLE WITH TYPE "B" HOOD
S-10A	0 7+837.700	11.317 LT	8.740	7.820	FIELD INLET TYPE I
S-11	0 7+833.238	6.870 RT	9.354	7.780	1.2m STORM DRAIN MANHOLE WITH TYPE "B" HOOD
S-11A	0 7+821.069	9.870 RT	9.334	8.130	TYPE "A" CURB INLET WITH TYPE "B" HOOD
S-12	A 1+056.850	5.010 RT	9.190	7.729	1.2m STORM DRAIN MANHOLE WITH TYPE "B" HOOD
S-13	A 1+030.398	6.813 RT	8.980	7.856	TYPE "A" GUTTER INLET
S-14	A 1+030.382	7.639 LT	8.940	7.916	TYPE "A" CURB INLET WITH TYPE "B" HOOD



GUTTER INLET INSTALLATION



ON GRADE INLET GRATE



AT LOW POINT INLET GRATE

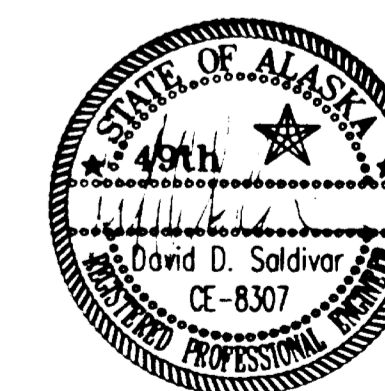
DEPRESSION IN FLOW LINE AT INLET CONSTRUCTION DETAILS

NOTE:

1. STATION AND OFFSETS FOR CURB INLETS ARE MEASURED TO EDGE OF GUTTER AND FIELD INLETS ARE MEASURED TO CENTER OF STRUCTURE.
2. TOP OF GRATE/LID ELEVATIONS ARE GIVEN TO THE NORMAL FLOW LINE.
3. ALL STRUCTURES ARE REQUIRED TO HAVE A 460mm SUMP, STRUCTURE INVERT IS GIVEN TO BOTTOM OF SUMP.
4. FIELD INLET DETAILS SEE SHEET K-2.

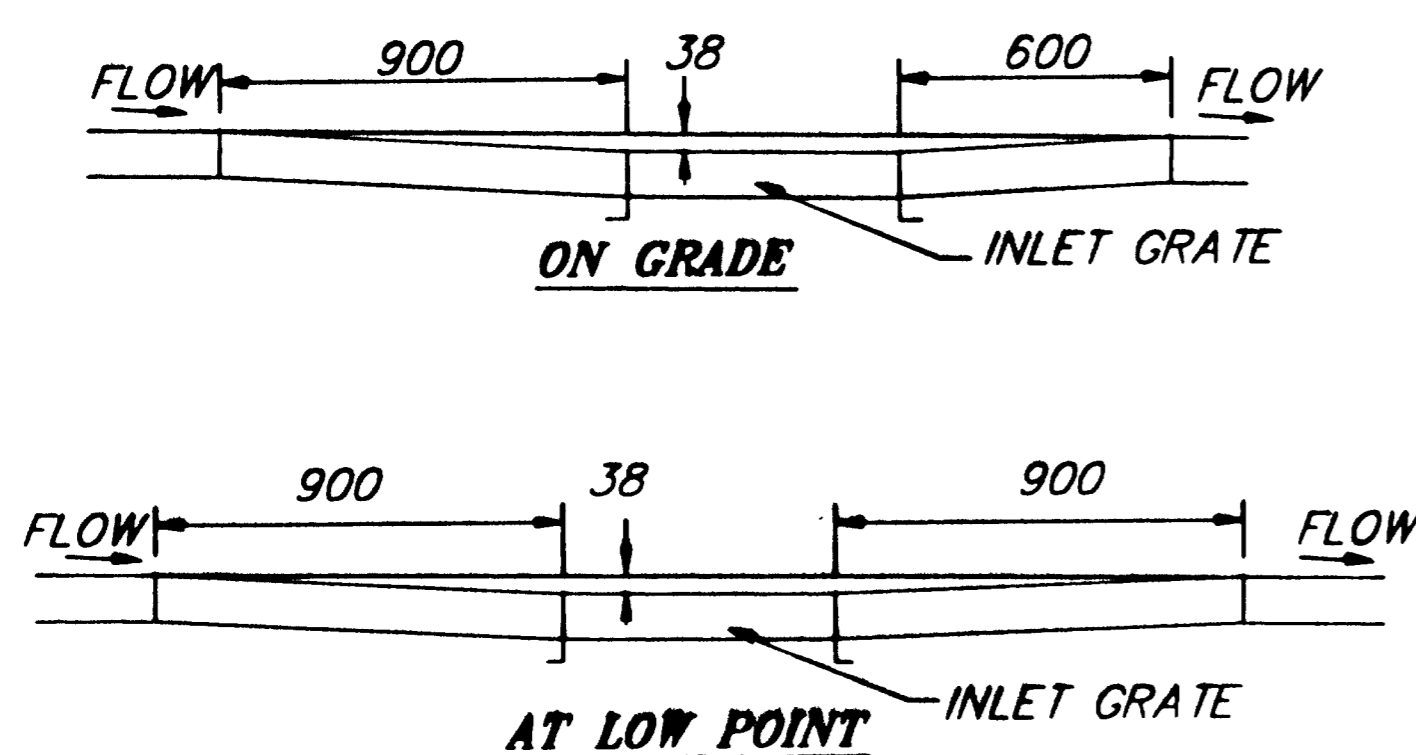
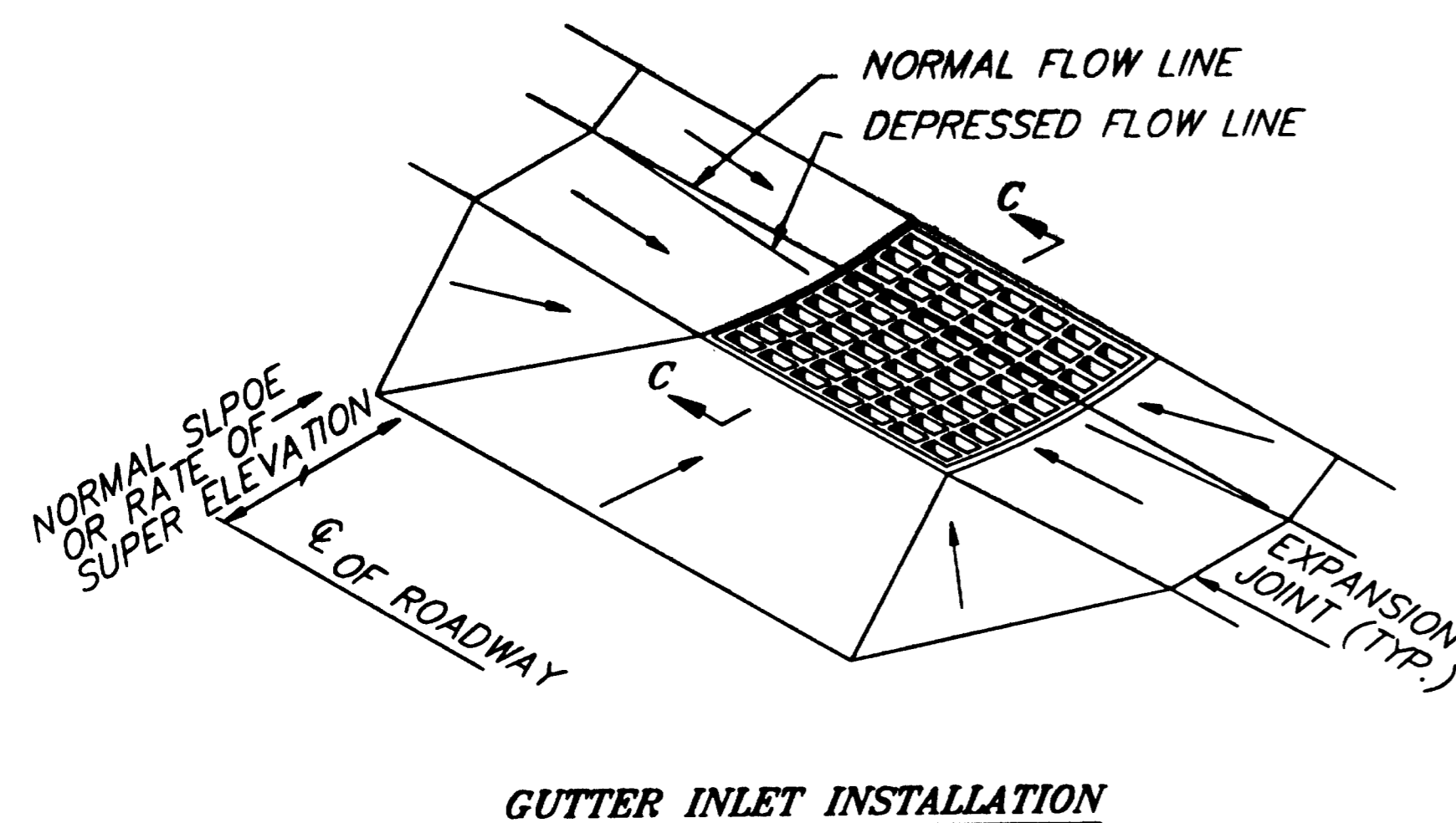
INSULATION BOARD SUMMARY				
STATION	OFFSET		QUANTITY	REMARKS
	LT	RT		
"O" 7+728.31	7.90		0.30m ³	
"O" 7+750.97	7.07		0.30m ³	
"O" 7+755.78	7.49		0.30m ³	
"O" 7+790.76	8.21		0.30m ³	
"O" 7+829.33		8.14	0.30m ³	
"O" 7+851.91	8.43		0.30m ³	
"A" 1+030.38		0.56	0.30m ³	

JNU-GLACIER HIGHWAY/ANKA STREET
 INTERSECTION IMPROVEMENTS
 PIPE AND DRAINAGE SUMMARY



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
 SOUTHEAST
 REGION

PIPE SUMMARY								
PIPE NUMBER	TYPE	DIAMETER	LENGTH	FROM STRUCTURE	INVERT ST	TO STRUCTURE	INVERT	REMARKS
P-1	CPP	460	16.400	S-2	7.164	S-1	7.090	
P-2	CPP	460	3.230	S-3	7.177	S-2	7.164	
P-3	CPP	460	32.764	S-4	7.329	S-3	7.177	
P-4	CPP	460	33.107	S-5	7.483	S-4	7.329	
P-4A	CPP	300	3.398	S-4A	7.454	S-4	7.414	
P-5	CPP	460	33.752	S-6	7.640	S-5	7.483	
P-5A	CPP	300	2.686	S-5A	7.540	S-5	7.510	
P-6	CPP	460	12.573	S-7	7.699	S-6	7.640	
P-7	CPP	460	26.900	S-8	7.824	S-7	7.699	
P-7A	CPP	300	3.406	S-7A	7.801	S-7	7.770	
P-8	CPP	460	23.100	S-9	7.931	S-8	7.824	
P-8A	CPP	300	3.367	-8A	7.930	S-8	7.880	
P-9	CPP	460	27.200	-10	7.958	S-9	7.931	
P-10	CPP	460	38.330	STA. "O" 7+1.869, 9.884m LT	7.844	S-10	8.090	INSTALL CULVERT GRATE, SEE DETAIL SHEET K-3.
P-10A	CPP	300	5.861	S-10A	8.120	S-10	8.110	
P-11	CPP	460	12.533	S-11A	8.550	S-11	8.300	
P-12	CPP	460	5.895	S-12	8.189	OUTFALL	8.165	CONSTRUCT CONCRETE HEADWALL, SEE DETAIL SHEET K-1.
P-13	CPP	300	26.946	S-13	8.316	S-12	8.209	
P-14	CSP	300	14.976	S-14	8.376	S-13	8.316	
P-15	CAP	300	6.500	TA. "B" 1+080.5, 3.195m RT	8.040	STA. "B" 1+080.815, 3.298m LT	7.940	CULVERT PIPE
P-16	CAP	300	7.000	TA. "C" 1+026.2, 3.436m RT	7.500	STA. "C" 1+026.242, 3.563m LT	7.360	CULVERT PIPE
P-17	CPP	200	6.500	STA. "C" 1+057.259, 3.280m RT	7.180	STA. "C" 1+056.227, 3.137m LT	7.150	CULVERT PIPE, SEE P-17 DETAIL, SHEET K-1.
P-1A	CPP	460	16.207	S-1	7.087	STA. "O" 7+603.840, 9.710m LT	7.041	OUTFALL

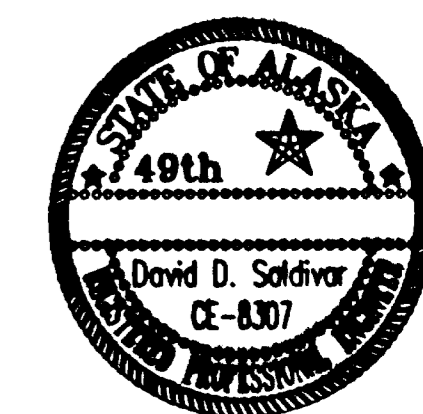


DEPRESSION IN FLOW LINE AT INLET CONSTRUCTION DETAILS

DRAINAGE STRUCTURE SUMMARY					
STRUCTURE NUMBER	STATION	OFFSET (m)	TOP OF GRATE/LID	STRUCTURE INVERT	REMARKS
S-1	0 7+621.406	10.368 LT	8.150	6.627	1.2m STORM DRAIN MANHOLE WITH MANHOLE COVER
S-2	0 7+638.841	10.418 LT	8.110	6.704	FIELD INLET TYPE II
S-3	0 7+638.817	6.870 LT	8.380	6.717	1.2m STORM DRAIN MANHOLE WITH TYPE "B" HOOD
S-4	0 7+673.024	6.870 LT	8.410	6.869	1.2m STORM DRAIN MANHOLE WITH TYPE "B" HOOD
S-4A	0 7+673.011	10.493 LT	8.110	6.844	FIELD INLET TYPE I
S-5	0 7+707.588	6.870 LT	8.610	7.023	1.2m STORM DRAIN MANHOLE WITH TYPE "B" HOOD
S-5A	0 7+707.691	9.779 LT	8.150	6.930	FIELD INLET TYPE I
S-6	0 7+742.798	6.870 LT	8.965	7.180	TYPE "A" WITH GUTTER INLET
S-7	0 7+755.786	6.870 LT	9.110	7.239	1.8m STORM DRAIN MANHOLE WITH TYPE "B" HOOD
S-7A	0 7+755.815	10.500 LT	8.480	7.191	FIELD INLET TYPE I
S-7B	0 7+755.775	6.997 RT	9.230	7.280	TYPE "A" CURB INLET WITH TYPE "B" HOOD
S-8	0 7+783.353	6.870 LT	9.410	7.364	1.2m STORM DRAIN MANHOLE WITH TYPE "B" HOOD
S-8A	0 7+783.092	10.452 LT	8.580	7.320	FIELD INLET TYPE I
S-9	0 7+806.555	9.892 LT	9.460	7.471	1.2m STORM DRAIN MANHOLE WITH TYPE "B" HOOD
S-10	0 7+833.634	6.870 LT	9.490	7.598	1.8m STORM DRAIN MANHOLE WITH TYPE "B" HOOD
S-10A	0 7+837.700	11.317 LT	8.740	7.510	FIELD INLET TYPE I
S-11	0 7+833.238	6.870 RT	9.354	7.740	1.2m STORM DRAIN MANHOLE WITH TYPE "B" HOOD
S-11A	0 7+821.069	9.870 RT	9.334	7.980	TYPE "A" CURB INLET WITH TYPE "B" HOOD
S-12	A 1+056.850	5.010 RT	9.190	7.729	1.2m STORM DRAIN MANHOLE WITH TYPE "B" HOOD
S-13	A 1+030.398	6.813 RT	8.980	7.706	TYPE "A" GUTTER INLET
S-14	A 1+030.382	7.639 LT	8.940	7.766	TYPE "A" CURB INLET WITH TYPE "B" HOOD

INSULATION BOARD SUMMARY				
STATION	OFFSET		QUANTITY	REMARKS
	LT	RT		
"O" 7+728.31	7.90		0.30m ³	
"O" 7+750.97	7.07		0.30m ³	
"O" 7+755.78	7.49		0.30m ³	
"O" 7+790.76	8.21		0.30m ³	
"O" 7+829.33		8.14	0.30m ³	
"O" 7+851.91	8.43		0.30m ³	
"A" 1+030.38		0.56	0.30m ³	

JNU - GLACIER HIGHWAY/ANKA STREET
INTERSECTION IMPROVEMENTS
PIPE AND DRAINAGE SUMMARY



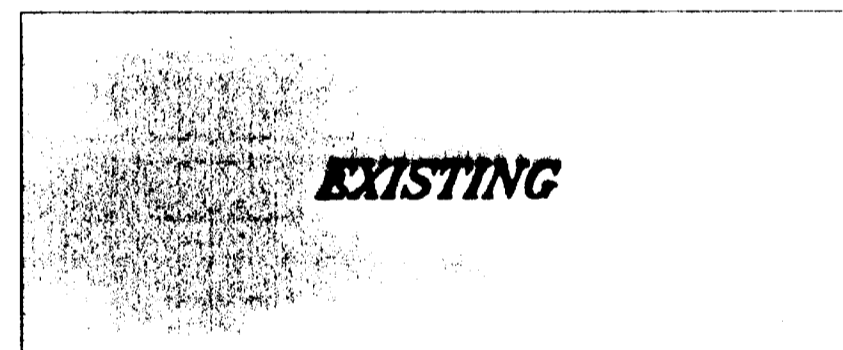
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST
REGION

SHEET NUMBER	TOTAL SHEETS	
D-3A	6	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
APPENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
C.H.	K.K.	D.S.
ELECTRONIC PATHWAY:		
Q:\jnu\67898\Dr\Sum4_7_10_01.dwg		
EDTIME		
Michael Lin\baug\Aug/02 01:43PM		
STANDARDS:		
SPECIFICATIONS:		

SUMMARY OF LOAD CENTER: 1				
LOAD CENTER TYPE 1				
LOAD CENTER:		LOCATION DATA: "0" 7+744.0, 12.75 LT.		
POWER SOURCE:		TRANSFORMER, "0" 7+743.0, 12.75 LT.		
PHOTOELECTRIC CONTROL: YES				
SERVICE VOLTAGE 1 PHASE, 3-WIRE, 120/240 VOLTS, 60 Hz.				
INTERRUPTING CAPACITY OF CIRCUIT BREAKERS—SERIES RATED 10,000 AIC				
PROVIDE METER SOCKET? YES SERVICE AMPS 125				
MAIN BREAKER A: 120/240 VOLT, 2 POLE, 100 AMPHERES				
CONTACTOR: 600 VOLT, 12 POLE, 30 AMPHERES				
LOAD PANEL A SUMMARY				
CIRCUIT NUMBER	DESCRIPTION	KVA LOAD	BREAKER	
			AMPS	POLES
A1	PHOTO ELECTRIC CONTROL	0.10	15	2
A2	TRAFFIC SIGNAL	6.85	20	1
A3	STREET LIGHTING	5.85	20	2
A4	SPARE	-	20	2
A5	SPARE	-	20	2
A6	SPACE	-	-	-
TOTAL DEMAND =		12.80		

LOAD CENTER NOTES

- CONTRACTOR SHALL HAVE METERS INSTALLED, AND PAY ANY FEES REQUIRED BY THE LOCAL UTILITY. THE STATE WILL ACCEPT MONTHLY UTILITY BILLING AFTER FINAL PROJECT COMPLETION.
- INSTALL THE PHOTO ELECTRIC CONTROL ON TOP OF THE LOAD CENTER WITH A (PHOTO CELL GUARD ("SEE PLAN SHEET G-9.))



LOAD CENTER SUMMARY				
NO.	STATION	OFFSET	TYPE	REMARKS
1	'0' 7+743.22	12.75 LT.	I	NEW, OWNER IS D.O.T./ P.F.

JUNCTION BOX SUMMARY				
NO.	STATION	OFFSET	TYPE	JUNCTION BOX COVER LEGEND
1	"0" 7+747.0	16.07 RT.	II	TRAFFIC
2	"0" 7+719.6	10.0 RT.	II	TRAFFIC
3	"0" 7+719.0	9.72 LT.	II	TRAFFIC
4	"0" 7+746.5	9.95 LT.	III	TRAFFIC
5	"0" 7+747.7	14.75 RT.	IA	TRAFFIC
6	"0" 7+718.2	10.32 LT.	II	TRAFFIC
7	"0" 7+748.0	28.56 RT.	IA	TRAFFIC
8	"0" 7+792.6	8.09 RT.	IA	LIGHTING
9	"0" 7+833.2	8.09 RT.	IA	LIGHTING
10	"0" 7+870.4	8.09 RT.	IA	LIGHTING
11	"0" 7+690.9	8.27 RT.	IA	LIGHTING
12	"0" 7+660.5	8.27 RT.	IA	TRAFFIC
13	"0" 7+618.9	7.98 RT.	IA	TRAFFIC
14	"0" 7+774.3	8.12 LT.	IA	TRAFFIC
*15T	"0" 7+804.1	8+/- LT.	IA	TRAFFIC
15	"0" 7+804.1	10.62 LT.	IA	TRAFFIC
16	"0" 7+837.7	8.06 LT.	IA	TRAFFIC

***NOTE**

- RELOCATE JUNCTION 15T TO STA "0" 7+804.1 AND 10.62 LT. RENAME JUNCTION BOX 15T TO 15.

ELECTROLIER SUMMARY						
POLE NO.	STATION	OFFSET	MASTARM	NEW POLE AND BASE	RELOCATE EXISTING LUMINAIRE	REMARKS
1	'0' 7+872.5	10.04 LT.	4.57m	X		250 WATT, HPS IES TYPE MC-III
2	'0' 7+832.5	10.04 LT.	4.57m	X		250 WATT, HPS IES TYPE MC-III
3	'0' 7+792.5	10.04 LT.	4.57m	X		250 WATT, HPS IES TYPE MC-III
4	'0' 7+689.1	11.05 LT.	4.57m		X	RELOCATE FROM "A" 1+009.8 , 8.202 RT (SEE NOTE 1).

NOTE:

- THE CONTRACTOR MAY USE THE EXISTING LUMINAIRE FOUNDATION IF APPROVED BY THE ENGINEER, OTHERWISE MAKE THE TOP OF THE OLD FOUNDATION FLUSH WITH THE CURB.

SHEET NUMBER	TOTAL SHEETS	
D-4	6	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
M.L.	K.K.	K.M.
ELECTRONIC PATHWAY:		
Q:\jnu\67898\Dr\LEMONRD\Lumin1.dwg		
EDTIME		
Bert Thu, 21/Jun/01 09:17AM		
STANDARDS:		
SPECIFICATIONS:		

**JNU-GLACIER HIGHWAY/ANKA STREET
 INTERSECTION IMPROVEMENTS
 ELECTROLIER SUMMARY**



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST
REGION

LOOP DETECTOR SUMMARY

LOOP No.	LOOP DETECTOR DET. No.	CHAN. No.	390 CJ CONTROLLER CHAN. No.	PHASE	FUNCTION TYPE	STATION	OFFSET	REMARKS
111	2	2	VEH 1	1	PRESENCE	0'7+762.4	CL	DETECTORS 111, 112, 114, 115 WRED IN SERIES
112	2	2	VEH 1	1	PRESENCE	0'7+757.5	CL	DETECTORS 111, 112, 114, 115 WRED IN SERIES
113	2	3	AUX 1	1	PRESENCE	0'7+752.6	CL	BIKE LOOP
114	2	2	VEH 1	1	PRESENCE	0'7+747.7	CL	DETECTORS 111, 112, 114, 115 WRED IN SERIES
115	2	2	VEH 1	1	PRESENCE	0'7+742.8	CL	DETECTORS 111, 112, 114, 115 WRED IN SERIES
211	3	3	AUX 2	2	EXT	0'7+619.4	3.66 RT.	ADVANCE DETECTION
212	3	3	AUX 2	2	EXT	0'7+656.7	3.66 RT.	ADVANCE DETECTION
213	3	4	VEH 2	2	EC/DC	0'7+710.7	3.66 RT.	DETECTORS 213-215 WRED IN SERIES
214	3	4	VEH 2	2	EC/DC	0'7+715.6	3.66 RT.	DETECTORS 213-215 WRED IN SERIES
215	3	4	VEH 2	2	EC/DC	0'7+720.5	3.66 RT.	DETECTORS 213-215 WRED IN SERIES
411	1	1	VEH 4	4	PRESENCE	A'1+033.3	1.909 LT.	DETECTORS 411, 412, 413, 415 WRED IN SERIES
412	1	1	VEH 4	4	PRESENCE	A'1+028.4	1.909 LT.	DETECTORS 411, 412, 413, 415 WRED IN SERIES
413	1	1	VEH 4	4	PRESENCE	A'1+023.6	1.909 LT.	DETECTORS 411, 412, 413, 415 WRED IN SERIES
414	1	2	AUX 4	4	PRESENCE	A'1+013.9	1.909 LT.	BIKE LOOP
415	1	1	VEH 4	4	PRESENCE	A'1+018.7	1.909 LT.	DETECTORS 411, 412, 413, 415 WRED IN SERIES
421	1	3	AUX 3	4	PRESENCE	A'1+033.3	5.720 LT.	RIGHT TURN DELAY
511	4	3	VEH 5	5	PRESENCE	0'7+699.5	CL	DETECTORS 511, 512, 513, 515 WRED IN SERIES
512	4	3	VEH 5	5	PRESENCE	0'7+704.4	CL	DETECTORS 511, 512, 513, 515 WRED IN SERIES
513	4	3	VEH 5	5	PRESENCE	0'7+709.3	CL	DETECTORS 511, 512, 513, 515 WRED IN SERIES
514	4	4	AUX 5	5	PRESENCE	0'7+714.2	CL	BIKE LOOP
515	4	3	VEH 5	5	PRESENCE	0'7+719.1	CL	DETECTORS 511, 512, 513, 515 WRED IN SERIES
611	3	1	AUX 6	6	EXT	0'7+840.5	3.66 LT.	ADVANCE DETECTION
612	3	1	AUX 6	6	EXT	0'7+804.0	3.66 LT.	ADVANCE DETECTION
613	3	2	VEH 6	6	EC/DC	0'7+751.1	3.66 LT.	DETECTORS 613-615 WRED IN SERIES
614	3	2	VEH 6	6	EC/DC	0'7+746.2	3.66 LT.	DETECTORS 613-615 WRED IN SERIES
615	3	2	VEH 6	6	EC/DC	0'7+741.3	3.66 LT.	DETECTORS 613-615 WRED IN SERIES
811	2	1	VEH 8	8	PRESENCE	B'1+020.0	1.477 LT.	DETECTORS 811, 812, 813, WRED IN SERIES
812	2	1	VEH 8	8	PRESENCE	B'1+015.2	1.477 LT.	DETECTORS 811, 812, 813, WRED IN SERIES
813	2	1	VEH 8	8	PRESENCE	B'1+010.4	1.477 LT.	DETECTORS 811, 812, 813, WRED IN SERIES

NOTES:

- SIGNAL CABINET SHALL COME WITH 3 SPARE 4-CHANNEL LOOP AMPLIFIERS.
- LOOPS 111-115, 211-215, 511-515, 611-615 ARE ALREADY INSTALLED. THE CONTRACTOR SHALL CONNECT THESE LOOPS TO THE SIGNAL CABINET, INCLUDING A NEW LOOP LEAD-IN WIRE(S) IF NECESSARY.

SIGNAL POLE SUMMARY

POLE No.	STATION	OFFSET (m)	FEATURES	MAST ARM LENGTH	LUMINAIRE MAST ARM LENGTH	REMARKS
1	0'7+749.28	13.77 RT	NEW MAST ARM ONLY	13.4m	EXISTING	EXISTING POLE & LUMINAIRE
2	0'7+720.42	11.86 RT	STANDARD W/ LUMINAIRES	15.2m/14.3m	2 x 4.57m	NEW W/TWO LUMINAIRE MASTARMS
3	0'7+714.65	9.07 LT	POST	-	-	NEW
4	0'7+740.78	8.47 LT	STANDARD NO LUMINAIRE	10.4m	-	NEW
5	0'7+723.56	14.56 RT	PED POST	-	-	NEW

SIGNAL HEAD SUMMARY

SIGNAL HEAD NO.	POLE	PHASE	INDICATION	LENS SIZE	MOUNTING TYPE	FACING	REMARKS
1	1	2,5	R-Y-G-LY-LG	300mm	ASTRO BRAC AB 109	WB	MUTCD CONFIG S
2	1	2	R-Y-G	300mm	S-1	WB	
3	1	4,8	PED		CLAM SHELL MOUNT	NB	
4	1	2,6	PED		CLAM SHELL MOUNT	WB	
5	2	8	R-Y-G	300mm	ASTRO BRAC AB 109	NB	
6	2	8	R-Y-G	300mm	S-2	NB	
7	2	1,6	R-Y-G-LY-LG	300mm	S-2	EB	MUTCD CONFIG M
8	5	2,6	PED		TW-1	EB	
9	2	1,6	R-Y-G-LY-LG	300mm	ASTRO BRAC AB 109	EB	MUTCD CONFIG S
10	3	6	R-Y-G	300mm	T-1	EB	
11	4	4	R-Y-G	300mm	ASTRO BRAC AB 109	SB	
12	4	4	R-Y-G	300mm	S-2	SB	
13	4	2,5	R-Y-G-LY-LG	300mm	S-2	WB	MUTCD CONFIG M
14	4	4,8	PED		CLAM SHELL MOUNT	SB	

NOTES:

- FOR THIS TABLE, ANKA STREET IS CONSIDERED AS ORIENTED NORTH/SOUTH
- INSTALL PELCO ASTRO BRAC OR EQUAL WITH 50mm GALVANIZED STEEL NIPPLE, AND STAINLESS STEEL HARDWARE.
- ALL SIGNAL HEADS SHALL BE LED SIGNALS EXCEPT YELLOWS.
- FOR SIGNAL HEADS 7 AND 13, SEE MOUNTING DETAIL ON SHEET G-10.

NOTE:

THE CONTRACTOR SHALL SUPPLY TO 2 EXTRA 300mm LED RED, YELLOW, GREEN BALLS TO THE ENGINEER.

PEDESTRIAN PUSH BUTTONS

POLE NO.	BUTTON NO.	STREET CROSSING	PHASE	FACING *
1	1A	GLACIER HIGHWAY	4,8	NB
1	1B	ANKA STREET	2,6	WB
5	5	ANKA STREET	2,6	EB
4	4A	GLACIER	4,8	SB

* NOTE: FOR THIS TABLE, ANKA STREET IS CONSIDERED AS ORIENTED NORTH/SOUTH

SHEET NUMBER TOTAL SHEETS

D-5 6

STATE YEAR

ALASKA 2001

PROJECT DESIGNATION NUMBERS

67898 CA-0955(11)

APPENDIX NUMBER

ATTACHMENT NUMBER

DESIGNED BY: DRAWN BY: CHECKED BY:

M.L. K.K. K.M.

ELECTRONIC PATHWAY:

Q:\jml\67898\01\LEMONROAD\table.dwg

EDTIME

Rhonda Wed, 20/Jun/01 11:18AM

STANDARDS:

SPECIFICATIONS:

SHEET NUMBER	TOTAL SHEETS	
D-6	6	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
6789B	CA-0955(11)	
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
K.M.	K.K.	M.L.
ELECTRONIC PATHWAY:		
Q:\jnu\6789B\Dr\Sum3.dwg		
EDTIME		
Kris Wed, 20/Jun/01 11:20AM		
STANDARDS:		
SPECIFICATIONS:		

SIGN SUMMARY 615(1), and 202(1)												
No.	STATION	OFFSET		CODE NO. (ASDS)	FACING TRAFFIC	SIGN LEGEND	SIZE (mm)		AREA (m ²)	POST SIZE	POST TYPE	REMARKS
		LT	RT				WD	HT				
1	"0" 7+847	X			NB	STOP						Remove and Relocate
2	"0" 7+829	X				Bus Stop (CBJ)						Remove and Relocate on Post 3
3	"0" 7+813	X		R7-107		No Parking Bus Stop	305	457	0.139	50	PST	
4	"0" 7+813		X			Bus Stop (CBJ)						Remove and Relocate on Post 5
5	"0" 7+813		X	R7-107		No Parking Bus Stop	305	457	0.139	50	PST	
6	Pole 1		X	D3-1B	WB	Anka St.	1676	457	0.766	-	-	On Mast Arm. See Sheet G-5.
7	Pole 1		X	R10-13	WB	Yield on Green Ball	762	914	0.696	-	-	On Mast Arm. See Sheet G-5.
8	Pole 1		X	R9-4		Meaning of Ped. Signals	152	114	0.017	-	-	Affix decal directly to pole
9	Pole 1		X	R10-4B(R)		To Cross Street..	229	305	0.070	-	-	
10	Pole 1		X	R10-4B(R)		To Cross Street..	229	305	0.070	-	-	
11	Pole 4	X		D3-1B	SB	Glacier Hwy	2286	457	1.045	-	-	On Mast Arm. See Sheet G-5.
12	Pole 4	X		R10-4B(R)		To Cross Street..	229	305	0.070	-	-	
13	Pole 4	X		R9-4		Meaning of Ped. Signals	152	114	0.017	-	-	Affix decal directly to pole
14	Pole 2		X	D3-1B	NB	Glacier Hwy	2286	457	1.045	-	-	On Mast Arm. See Sheet G-5.
15	Pole 2		X	R10-4B(L)		To Cross Street..	229	305	0.070	-	-	
16	Pole 2		X	R9-4		Meaning of Ped. Signals	152	114	0.017	-	-	Affix decal directly to pole
17	Pole 3	X		D3-1B	EB	Anka St.	1676	457	0.766	-	-	On Mast Arm. See Sheet G-5.
18	Pole 3	X		R10-13	EB	Yield on Green Ball	762	914	0.696	-	-	On Mast Arm. See Sheet G-5.
19	"0" 7+590		X	W3-3	WB	Signal Ahead (Symbol)	914	914	0.835	64	PST	
20	"0" 7+590		X	W3-3 Plaque	WB	Signal Ahead (text)	610	457	0.279			On Post 19
21	"0" 7+588		X		WB	Truck Crossing						Salvage Existing Sign
22	"0" 7+748		X			Stop						Remove and Dispose.
23	"0" 7+727	X				Stop						Remove and Dispose.
24	Pole 2		X	R10-12	NB	Left turn must yield	610	762	0.465	-	-	On Mast Arm. See Sheet G-5.
25	Pole 4	X		R10-12	SB	Left turn must yield	610	762	0.465	-	-	On Mast Arm. See Sheet G-5.

TOTAL = 7.67

NOTES:

- * INSTALL SIGN USING TWO 24 INCH HORIZONTAL BRACES WITH PELCO, ASTRO-BRAC TYPE BRACKETS BANDED TO POLE (OR EQUAL).
- ** INSTALL SIGN USING TWO VERTICAL BRACES WITH PELCO, ASTRO-BRAC TYPE BRACKETS BANDED TO MAST ARM (OR EQUAL).
- 1. INSTALL SIGNS USING "URBAN" HEIGHT DIMENSION ON STANDARD DRAWING S-05.00
- 2. PST = PERFORATED STEEL TUBE.
- 3. D3-1 SIGNS SHALL BE EXTRUDED ALUMINUM PANELS
- 4. EXISTING SIGNS NOT LISTED IN SIGN SUMMARY SHALL REMAIN IN PLACE.
- 5. ALL OVERHEAD SIGNS SHALL BE 3m "DIMOND GRADE. VP," STIMSONITE 622 OR AN APPROVED EQUAL ALUMINUM SHEETING MATERIAL.

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.
4. ALL SIGNS SHALL BE 2mm THICK EXCEPT AS NOTED IN THE STANDARD SIGN SCHEDULE.
5. ALL NEW SIGNS SHALL BE UNFRAMED EXCEPT AS NOTED IN THE STANDARD SIGN SCHEDULE.
6. POST MOUNTED SIGNS SHALL BE INSTALLED SO THAT THE BOTTOM OF THE SIGN PANEL IS 2.1 meter ABOVE THE ROADWAY SURFACE.

FLEXIBLE DELINEATOR SUMMARY				
STATION	OFFSET		TYPE	REMARKS
	LEFT	RIGHT		
"A" 1+018.428		0.750	A	
"A" 1+052.288		0.750	A	
"A" 1+062.645	6.145		B	
"A" 1+050.379	8.240		B	
"0" 7+796.868	7.470		B	
"0" 7+805.950	10.498		B	
"0" 7+821.026	10.483		B	
"0" 7+833.068	7.470		B	
"0" 7+794.703		7.470	B	
"0" 7+806.620		10.470	B	
"0" 7+821.792		10.470	B	
"0" 7+830.792		7.470	B	
"0" 7+850.773	16.350		B	

REMOVE AND RELOCATE EXISTING BUSINESS SIGN				
FROM		TO		REMARKS
STATION	OFFSET	STATION	OFFSET	
"A" 1+019.920	8.57m RT	"A" 1+019.911	10.176m RT	NATIONAL BANK OF ALASKA STATION & OFFSET GIVEN TO CENTER OF SIGN.

JNU-GLACIER HIGHWAY/ANKA STREET
 INTERSECTION IMPROVEMENTS
 SIGNING SUMMARY

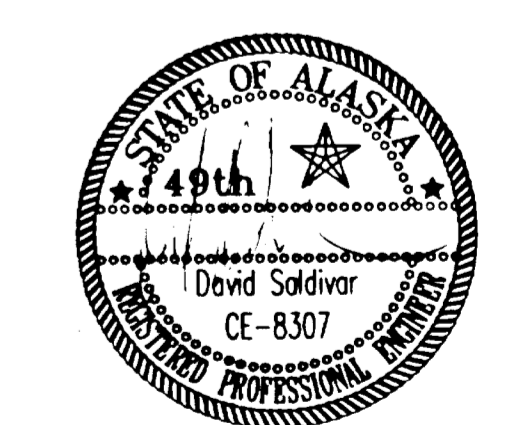


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST
REGION

LAYOUT POINTS SUMMARY TABLE							
POINT NUMBER	STATION	OFFSET		NORTHING	EASTING	ELEVATION	DESCRIPTION
		LEFT	RIGHT				
1	"O" 7+636.715	8.977		20407.5354	23621.3618	-	PC/BEGIN CURB & GUTTER
2	"O" 7+638.296	8.970		20408.7121	23620.4319	-	RADIUS POINT/R=1.500m
3	"O" 7+638.296	7.470		20409.6529	23621.6001	-	PT
4	"B" 1+020.760	12.400		20445.9915	23562.9147	-	RADIUS POINT/R=8.900m
5	"O" 7+712.340	7.470		20453.9310	23566.9365	8.785	PC
6	"B" 1+013.484	7.275		20453.8508	23558.7392	8.860	POC
7	"B" 1+020.760	3.501		20447.1030	23554.0853	8.814	PT, BEGIN GUTTER
8	"B" 1+035.396	3.500		20432.5817	23552.2572	8.596	BACK OF GUTTER
9	"B" 1+034.620	9.647		20432.5844	23558.4529	8.720	ANGLE POINT, EDGE OF PAVEMENT
10	"B" 1+038.588	10.148		20428.5844	23558.4546	8.703	ANGLE POINT, EDGE OF PAVEMENT
11	"B" 1+039.428	3.500		20428.5815	23551.7538	8.569	BACK OF GUTTER
12	"B" 1+041.580	3.500		20426.4460	23551.4850	8.554	END GUTTER
13	"B" 1+041.580		30.000	20430.6293	23518.2472	-	RADIUS POINT/R=32.900m
14	"B" 1+049.820	2.900		20417.8212	23548.5518	-	PRC
15	"B" 1+049.820	12.900		20413.9282	23557.7629	-	RADIUS POINT/R=10.000m
16	"B" 1+052.346	3.422		20415.0752	23547.8289	-	PT
17	"B" 1+062.094	4.203		20405.8805	23541.8548	-	PC
18	"B" 1+062.668	3.440		20405.9952	23540.8614	-	RADIUS POINT/R=1.000m
19	"B" 1+062.668	2.440		20406.7319	23540.1851	-	PRC
20	"B" 1+095.800		7.531	20397.0395	23504.8193	-	PT
21	"B" 1+094.030		5.440	20397.0301	23507.8193	-	RADIUS POINT/R=3.000m
22	"B" 1+094.030		2.440	20394.8106	23509.8376	-	PC
23	"B" 1+072.129		2.440	20405.5472	23529.6686	-	PT
24	"B" 1+074.660		33.351	20432.6299	23514.5548	-	RADIUS POINT/R=31.014m
25	"B" 1+040.275		3.500	20428.6150	23544.7028	-	PC
26	"B" 1+047.431		3.703	20422.3514	23543.2074	-	END CURB & GUTTER
27	"O" 7+741.559	7.470		20464.4496	23541.0231	-	PC
28	"B" 1+014.920		13.400	20455.0077	23538.0466	-	RADIUS POINT/R=9.900m
29	"B" 1+014.920		3.500	20453.7713	23547.8688	-	PT
30	"O" 7+796.868	7.470		20475.0361	23488.2031	-	ANGLE POINT
31	"O" 7+805.950	10.498		20473.0745	23478.9329	-	ANGLE POINT
32	"O" 7+821.026	10.483		20474.6784	23464.0261	-	ANGLE POINT
33	"O" 7+833.068	7.470		20478.9182	23452.3594	-	ANGLE POINT
34	"O" 7+839.910	17.320		20469.8270	23444.5375	-	RADIUS POINT/R=9.850m
35	"O" 7+839.910	7.470		20479.6244	23445.5541	9.618	PC
36	"O" 7+844.796	8.767		20478.8383	23440.5604	9.578	POC
37	"O" 7+848.395	12.317		20475.6790	23436.6142	9.478	PT
38	"O" 7+850.773	16.350		20471.9130	23433.8326	9.423	END CURB & GUTTER
39	"O" 7+855.401	23.800		20464.9801	23428.4605	9.290	ANGLE POINT
40	"O" 7+860.429	21.983		20467.3064	23423.6465	9.315	PAVEMENT EDGE
41	"O" 7+876.814	18.354		20472.6077	23407.7241	-	RADIUS POINT/R=11.500m
42	"O" 7+865.458	20.166		20469.6327	23418.8326	9.370	PC
43	"O" 7+866.902	12.522		20477.3848	23418.1849	9.550	POC
44	"O" 7+872.882	7.547		20482.9511	23412.7506	9.817	PT
45	"O" 7+713.174		7.685	20467.8426	23573.0059	-	MATCH EXISTING/BEGIN CURB & GUTTER
46	"A" 1+015.974		26.280	20483.8555	23580.2541	-	RADIUS POINT/R=17.500m
47	"O" 7+714.747		7.787	20468.6625	23571.5792	9.275	PC
48	"O" 7+718.661		8.590	20471.1473	23568.2228	9.300	POC
49	"A" 1+006.358		11.659	20474.2122	23565.6508	9.260	POC
50	"A" 1+009.890		9.871	20477.7416	23563.8568	9.210	POC
51	"A" 1+014.396		8.851	20482.2456	23562.8283	9.180	PT
52	"A" 1+055.390		6.215	20523.8232	23559.9459	-	PC
53	"A" 1+054.844		13.194	20523.9619	23566.9448	-	RADIUS POINT/R=7.000m
54	"A" 1+060.933		16.647	20530.3592	23569.7862	-	PT/END CURB & GUTTER
55	"A" 1+018.428		0.750	20486.2624	23554.7199	-	RADIUS POINT/R=0.150m
56	"A" 1+052.288		0.750	20520.1220	23554.6570	-	RADIUS POINT/R=0.150m
57	"A" 1+063.547	6.060		20530.7415	23546.9324	-	MATCH EXISTING/BEGIN CURB & GUTTER
58	"A" 1+062.645	6.145		20529.8355	23546.9360	-	ANGLE POINT
59	"A" 1+050.379	8.240		20518.1966	23545.6706	-	ANGLE POINT
60	"A" 1+028.023	21.340		20495.8167	23532.6121	-	RADIUS POINT/R=13.100m
61	"A" 1+028.023	8.240		20495.8410	23545.7121	9.158	PC
62	"A" 1+022.758	9.345		20490.5739	23544.6173	9.213	POC
63	"A" 1+018.381	12.472		20486.1909	23541.4978	9.293	POC
64	"O" 7+751.283		9.282	20483.2499	23536.3114	9.373	POC
65	"O" 7+757.532		7.470	20483.0697	23529.5914	-	PT
66	"O" 7+794.703		7.470	20489.5910	23492.2070	-	ANGLE POINT
67	"O" 7+806.620		10.470	20493.9871	23480.5917	-	ANGLE POINT
68	"O" 7+821.792		10.470	20495.5986	23465.4270	-	ANGLE POINT
69	"O" 7+830.792		7.470	20493.5435	23456.1653	-	ANGLE POINT
70	"O" 7+845.927		7.470	20495.1057	23441.1108	-	MATCH EXISTING/END CURB & GUTTER

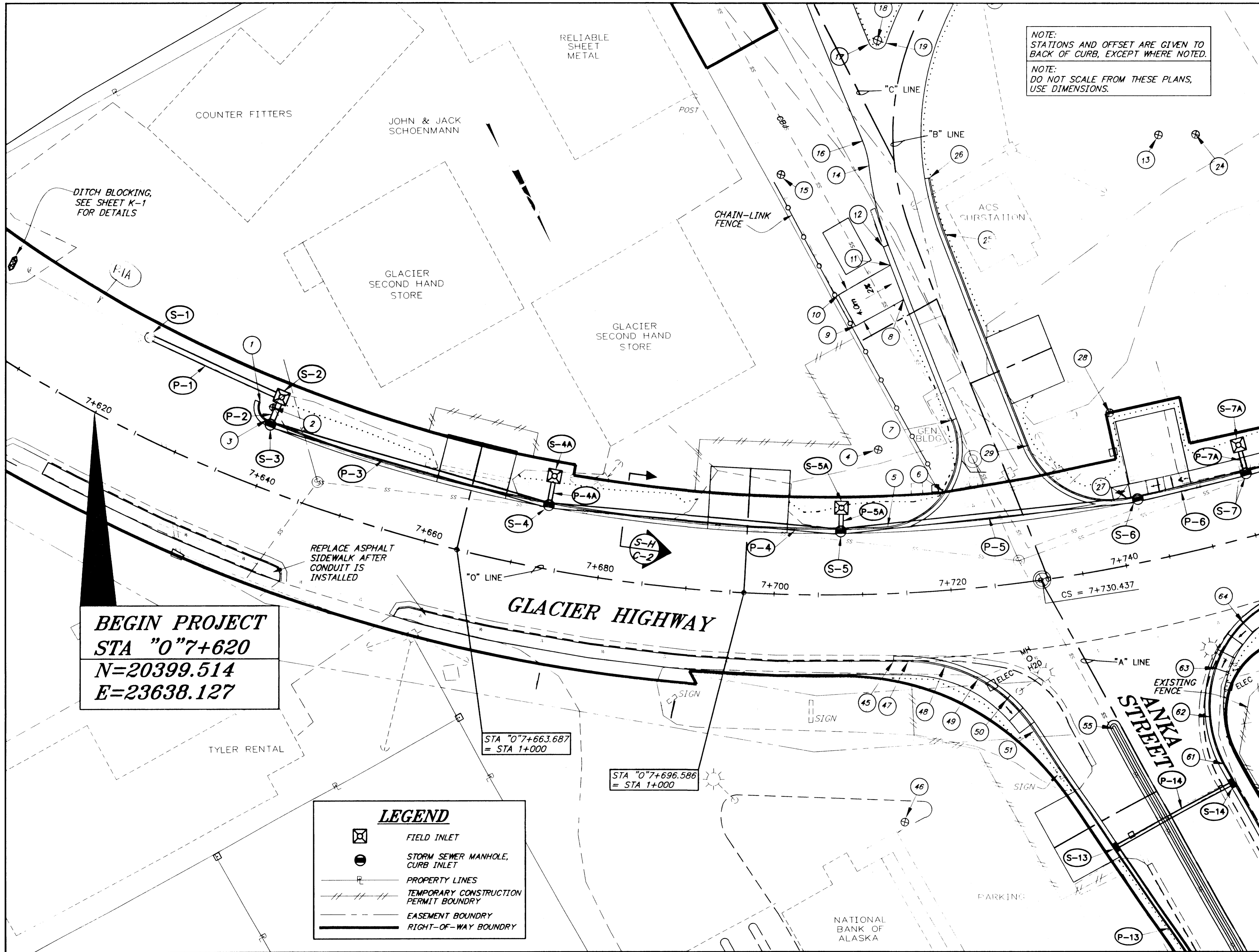
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STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
APPENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
C.H.	K.K.	D.S.
ELECTRONIC PATHWAY:		
Q:\jnu\67898\Dr\ -LAYOUT PIS.DWG		
EDTIME		
Rhonda Wed, 20/Jun/01 11:43AM		
STANDARDS:		
SPECIFICATIONS:		

JNU - GLACIER HIGHWAY/ANKA STREET
INTERSECTION IMPROVEMENTS
LAYOUT POINTS SUMMARY



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

SOUTHEAST
REGION



NOTE:
STATIONS AND OFFSET ARE GIVEN TO
BACK OF CURB, EXCEPT WHERE NOTED.

NOTE:
DO NOT SCALE FROM THESE PLANS,
USE DIMENSIONS.

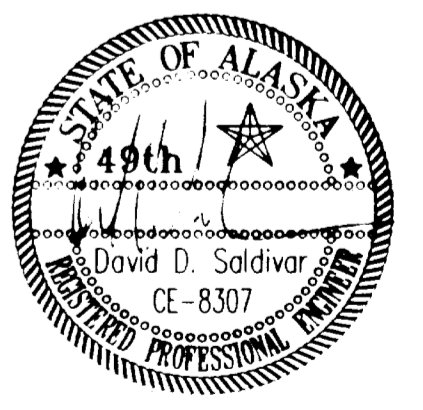
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ALASKA	2001	
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67898	CA-0955(11)	
APPENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY	DRAWN BY:	CHECKED BY:
CH	KK	DS
ELECTRONIC PATHWAY:		
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EDTIME Wed, 20/Jun/01 01:22PM		
Rhonda		
STANDARDS:		
SPECIFICATIONS:		

**JNU-GLACIER HIGHWAY/ANKA STREET
INTERSECTION IMPROVEMENTS
GLACIER HIGHWAY 1**

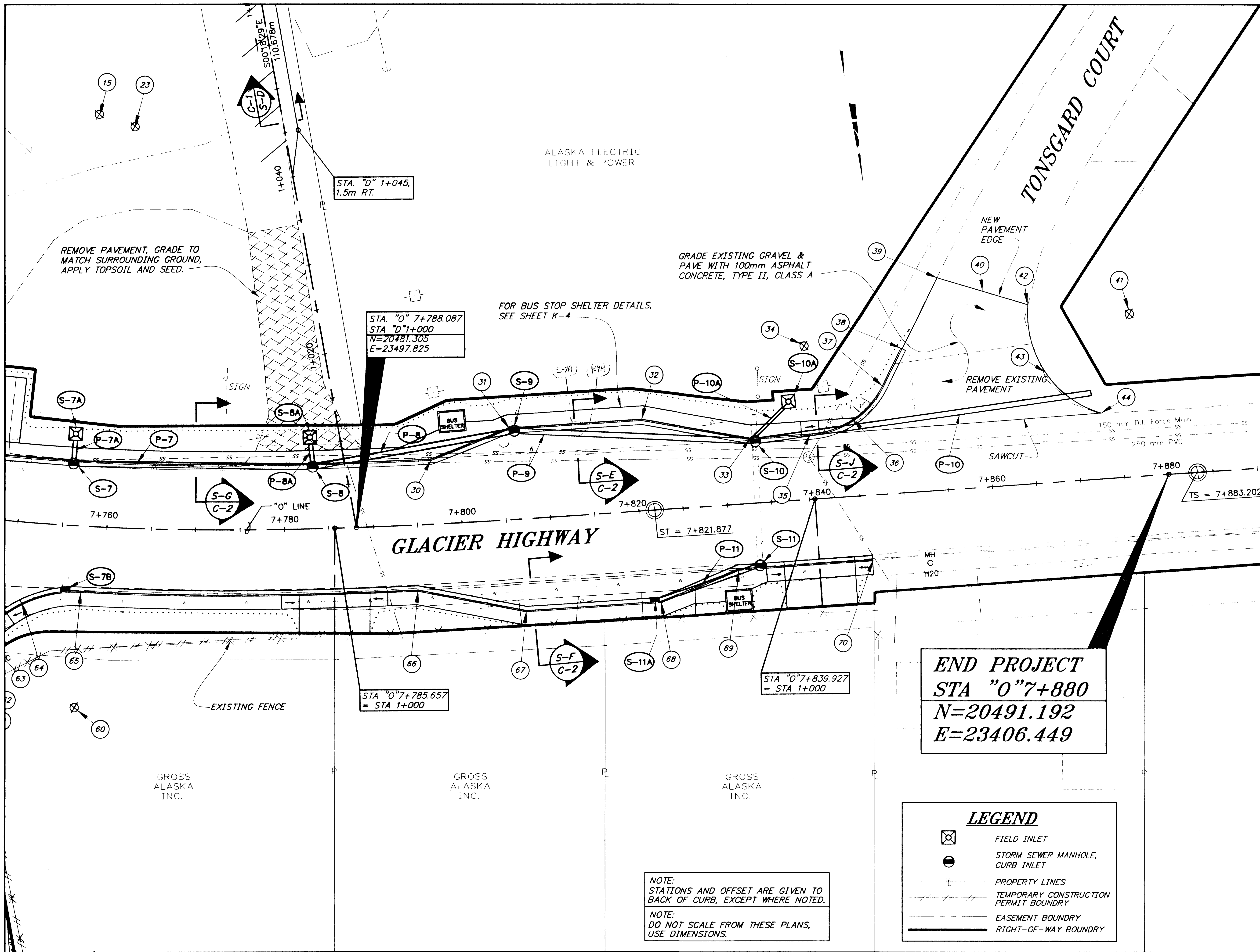
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LEGEND

	FIELD INLET
	STORM SEWER MANHOLE, CURB INLET
	PROPERTY LINES
	TEMPORARY CONSTRUCTION PERMIT BOUNDARY
	EASEMENT BOUNDARY
	RIGHT-OF-WAY BOUNDARY



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
 SOUTHEAST
 REGION



SHEET NUMBER	TOTAL SHEETS	
E-3	6	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY	DRAWN BY	CHECKED BY
C.H.	K.K.	D.S.
ELECTRONIC PATHWAY:		
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EDTIME		
Rhonda Wed, 20/Jun/01 01:24PM		
STANDARDS:		
SPECIFICATIONS:		

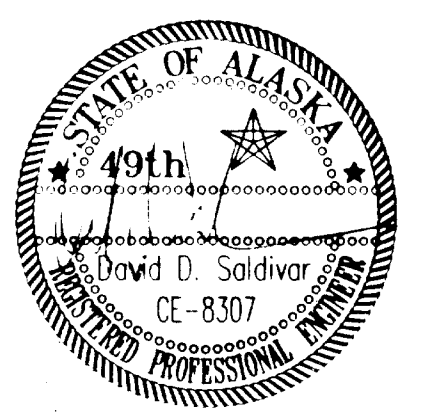
**JNU-GLACIER HIGHWAY/ANKA STREET
 INTERSECTION IMPROVEMENTS
 GLACIER HIGHWAY 2**

END PROJECT
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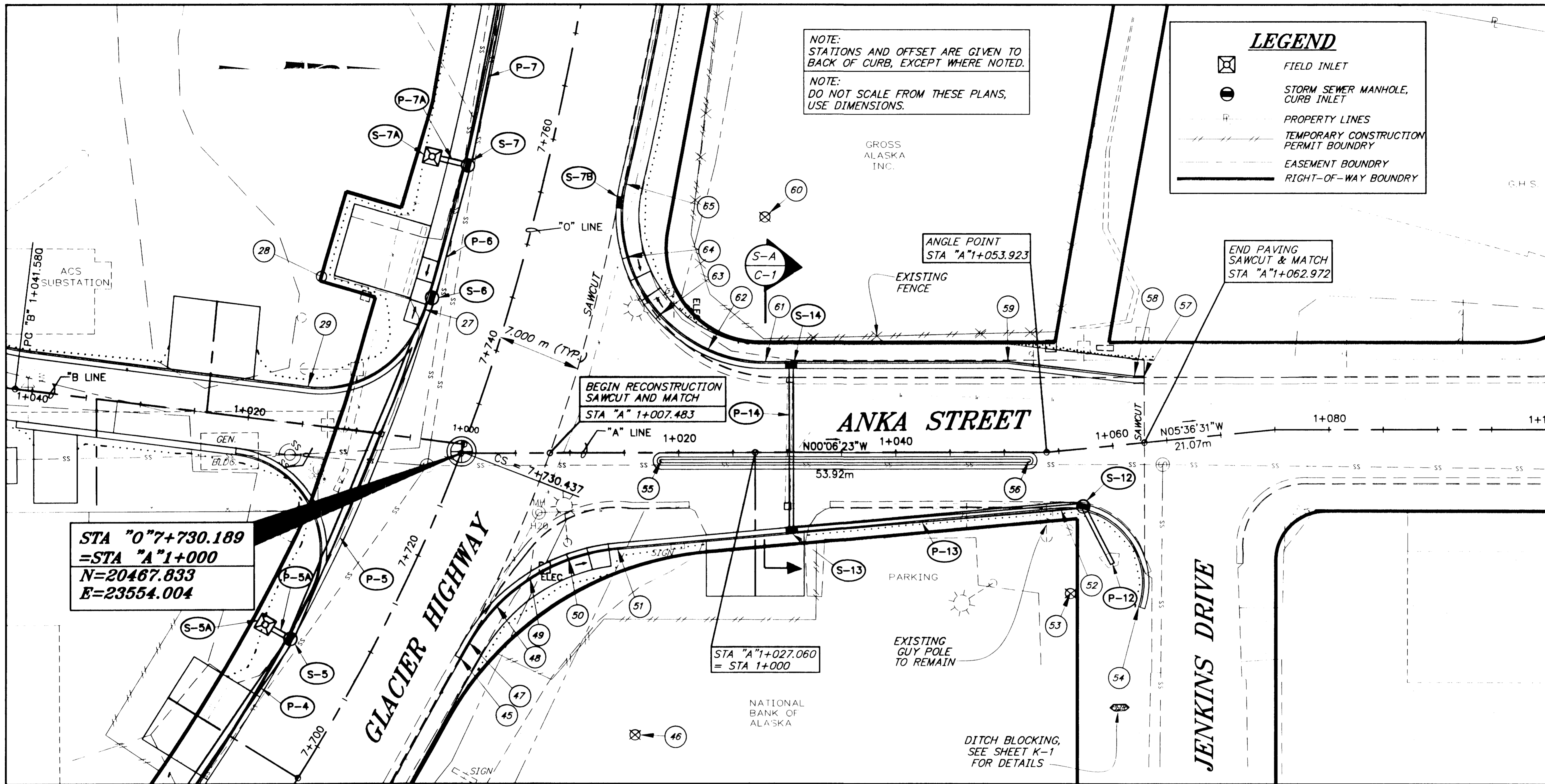
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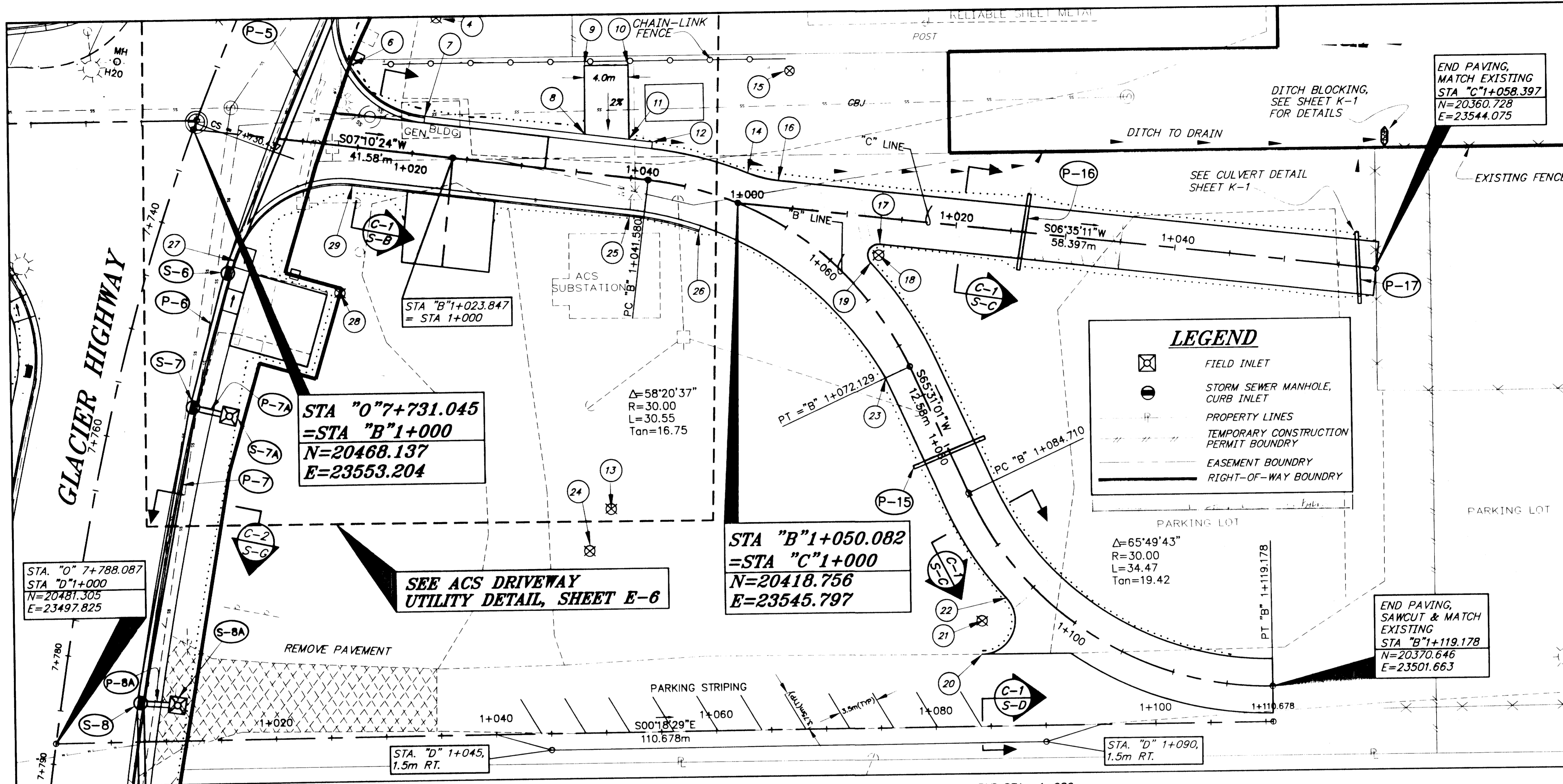
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	STORM SEWER MANHOLE, CURB INLET
	PROPERTY LINES
	TEMPORARY CONSTRUCTION PERMIT BOUNDARY
	EASEMENT BOUNDARY
	RIGHT-OF-WAY BOUNDARY

NOTE:
 STATIONS AND OFFSET ARE GIVEN TO
 BACK OF CURB, EXCEPT WHERE NOTED.
 NOTE:
 DO NOT SCALE FROM THESE PLANS,
 USE DIMENSIONS.



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
 SOUTHEAST
 REGION

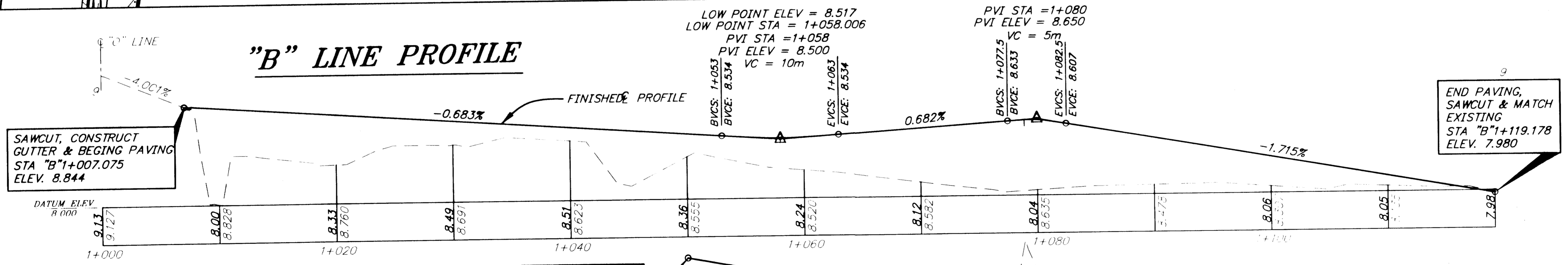




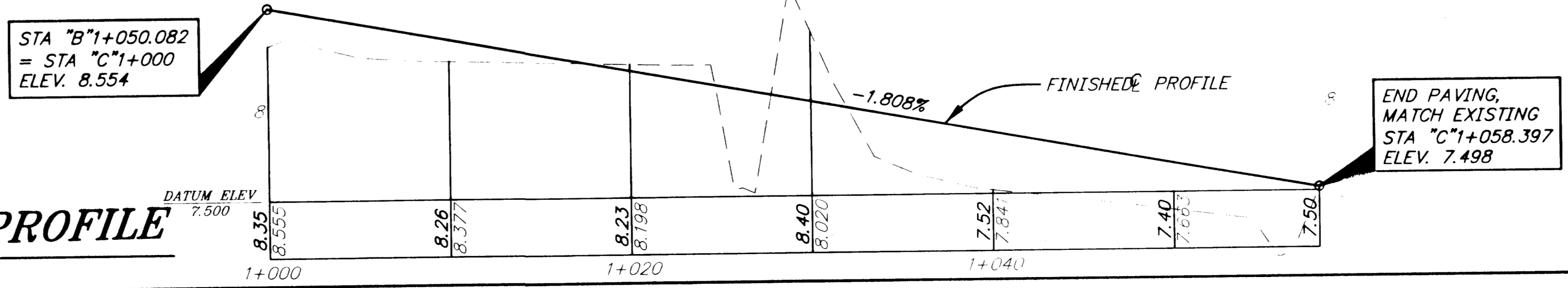
SHEET NUMBER	TOTAL SHEETS	
E-5	6	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
APPENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY	DRAWN BY	CHECKED BY
CH	KK	DS
ELECTRONIC PATHWAY:		
J:\jnu\57898\Dr\ACSNEWDRIVE_PLAN.DWG		
EDTIME		
Rhonda Wed, 20/Jun/01 02:09PM		
STANDARDS:		
SPECIFICATIONS:		

**JNU - GLACIER HIGHWAY | ANKA STREET
 INTERSECTION IMPROVEMENTS
 ACS DRIVEWAY PLAN**

"B" LINE PROFILE



"C" LINE PROFILE



NOTE:
STATIONS AND OFFSET ARE GIVEN TO
BACK OF CURB, EXCEPT WHERE NOTED.

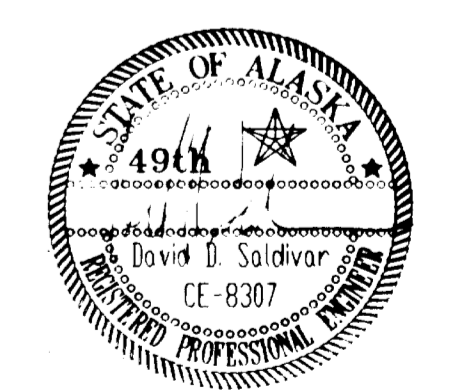
NOTE:
DO NOT SCALE FROM THESE PLANS,
USE DIMENSIONS.



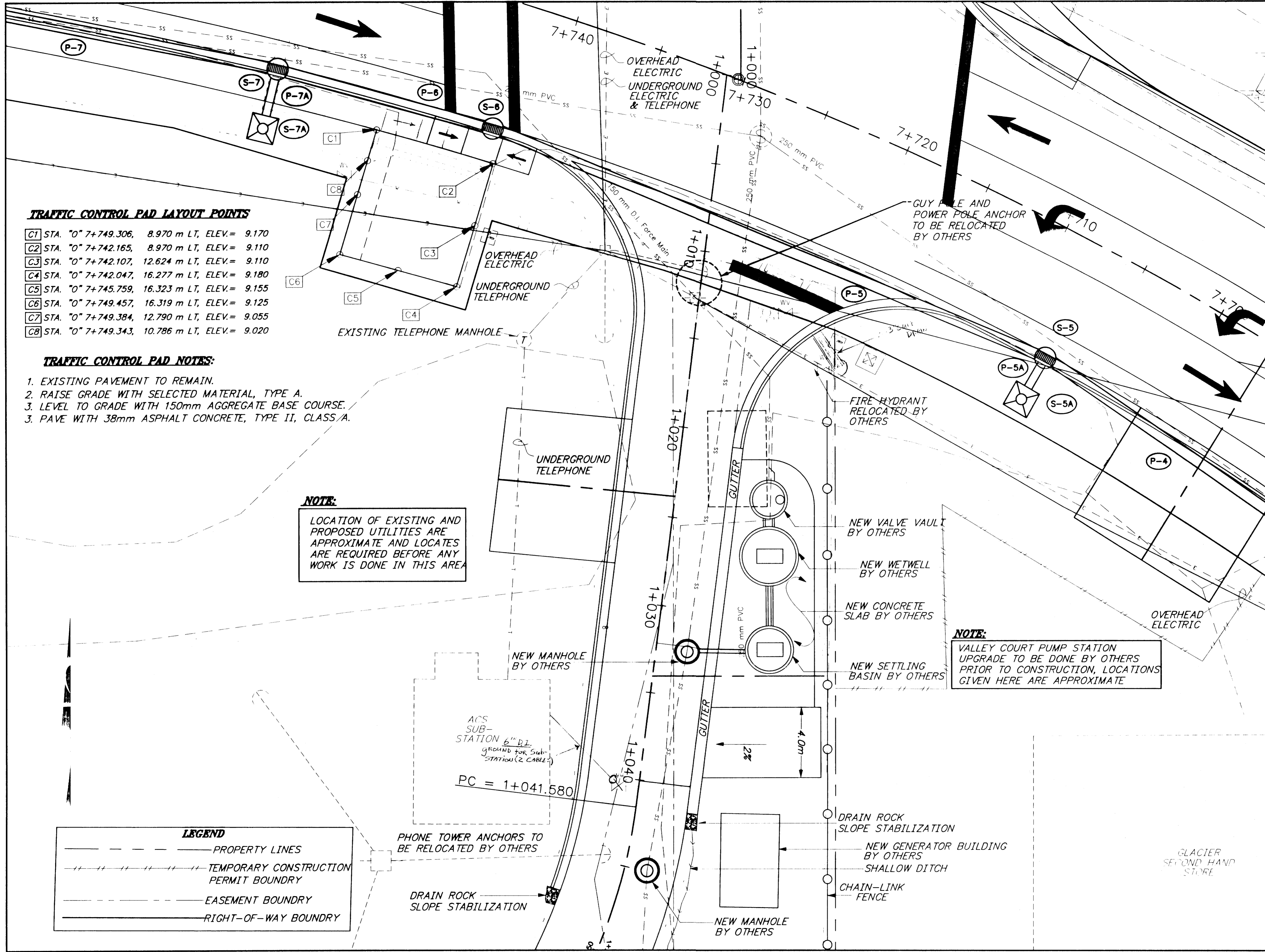
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
 SOUTHEAST
 REGION

SHEET NUMBER	TOTAL SHEETS	
E-6	6	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
APPENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY	DRAWN BY	CHECKED BY
CH	KK	DS
ELECTRONIC PATHWAY:		
D:\jnu\67898\Dr\pumpstationa.dwg		
EDTIME		
Rthonda R-1, 2/1/Jan/01 02:10PM		
STANDARDS:		
SPECIFICATIONS:		

**JNU-GLACIER HIGHWAY/ANKA STREET
 INTERSECTION IMPROVEMENTS
 ACS DRIVEWAY UTILITY DETAIL**



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
 SOUTHEAST
 REGION



TRAFFIC CONTROL PAD LAYOUT POINTS

- C1 STA. "0" 7+749.306, 8.970 m LT, ELEV.= 9.170
- C2 STA. "0" 7+742.165, 8.970 m LT, ELEV.= 9.110
- C3 STA. "0" 7+742.107, 12.624 m LT, ELEV.= 9.110
- C4 STA. "0" 7+742.047, 16.277 m LT, ELEV.= 9.180
- C5 STA. "0" 7+745.759, 16.323 m LT, ELEV.= 9.155
- C6 STA. "0" 7+749.457, 16.319 m LT, ELEV.= 9.125
- C7 STA. "0" 7+749.384, 12.790 m LT, ELEV.= 9.055
- C8 STA. "0" 7+749.343, 10.786 m LT, ELEV.= 9.020

TRAFFIC CONTROL PAD NOTES:

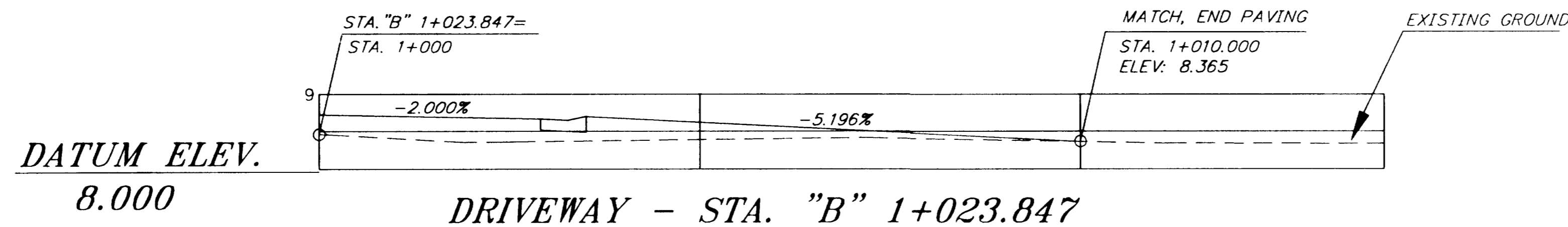
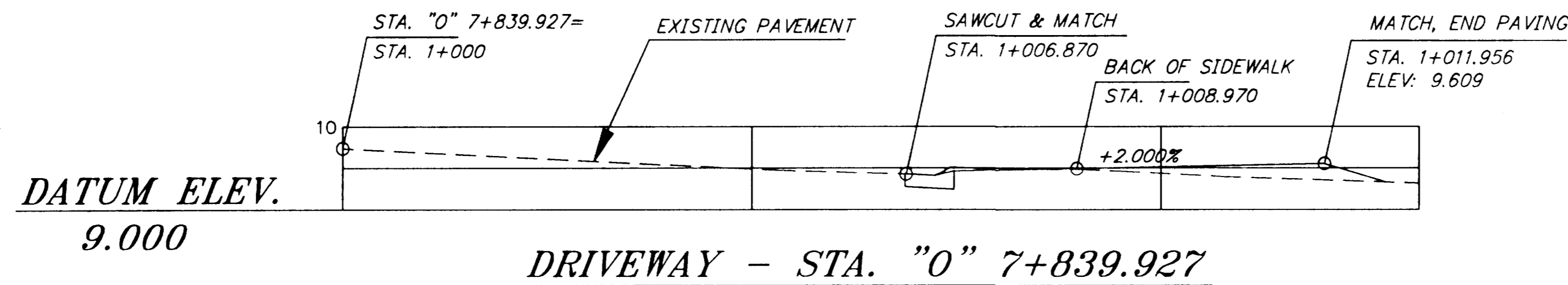
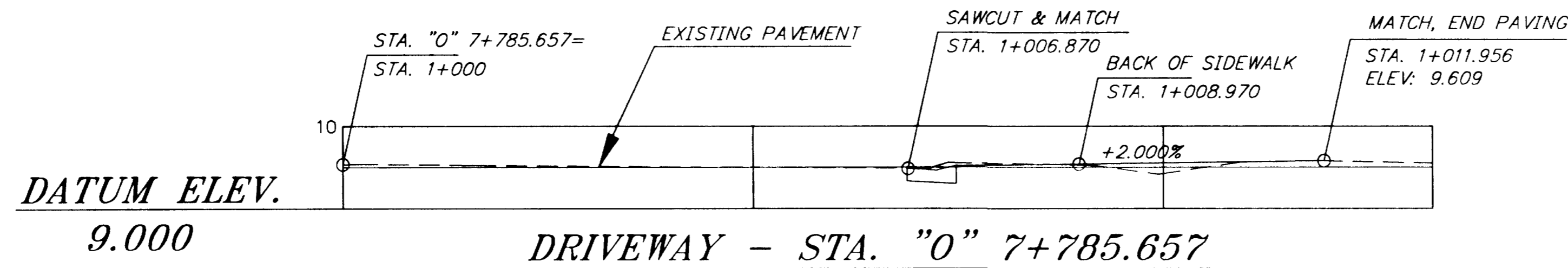
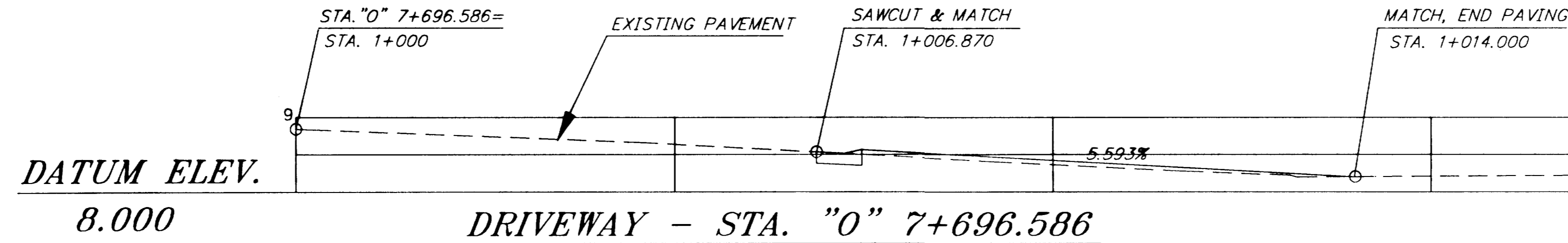
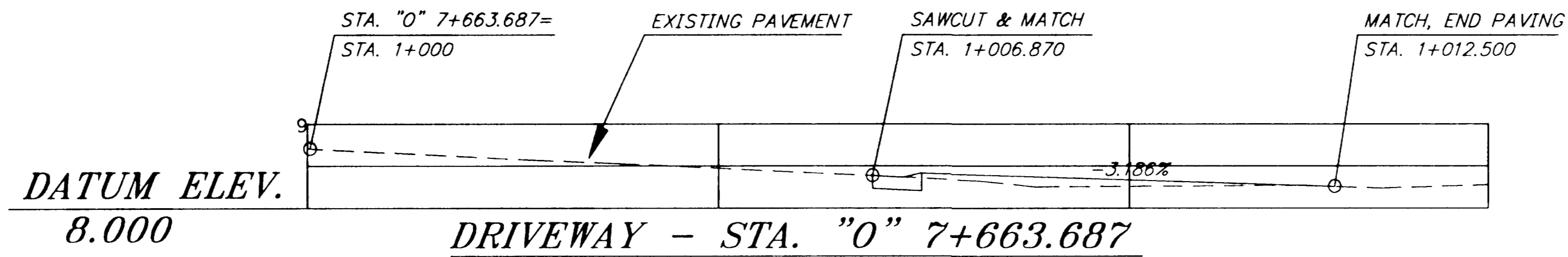
1. EXISTING PAVEMENT TO REMAIN.
2. RAISE GRADE WITH SELECTED MATERIAL, TYPE A.
3. LEVEL TO GRADE WITH 150mm AGGREGATE BASE COURSE.
3. PAVE WITH 38mm ASPHALT CONCRETE, TYPE II, CLASS A.

NOTE:
 LOCATION OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE AND LOCATES ARE REQUIRED BEFORE ANY WORK IS DONE IN THIS AREA

NOTE:
 VALLEY COURT PUMP STATION UPGRADE TO BE DONE BY OTHERS PRIOR TO CONSTRUCTION, LOCATIONS GIVEN HERE ARE APPROXIMATE

LEGEND

---	PROPERTY LINES
- - - -	TEMPORARY CONSTRUCTION PERMIT BOUNDARY
- . - . - .	EASEMENT BOUNDARY
---	RIGHT-OF-WAY BOUNDARY



SHEET NUMBER	TOTAL SHEETS	
F-1	1	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
CH	KK	DS
ELECTRONIC PATHWAY:		
Q:\Jnu\67898\Dr\drivepro.dwg		
EDTIME		
Rhonda Wed, 20/Jun/01 11:56AM		
STANDARDS:		
SPECIFICATIONS:		

JNU-GLACIER HIGHWAY/ANKA STREET
 INTERSECTION IMPROVEMENTS
 DRIVEWAY PROFILES

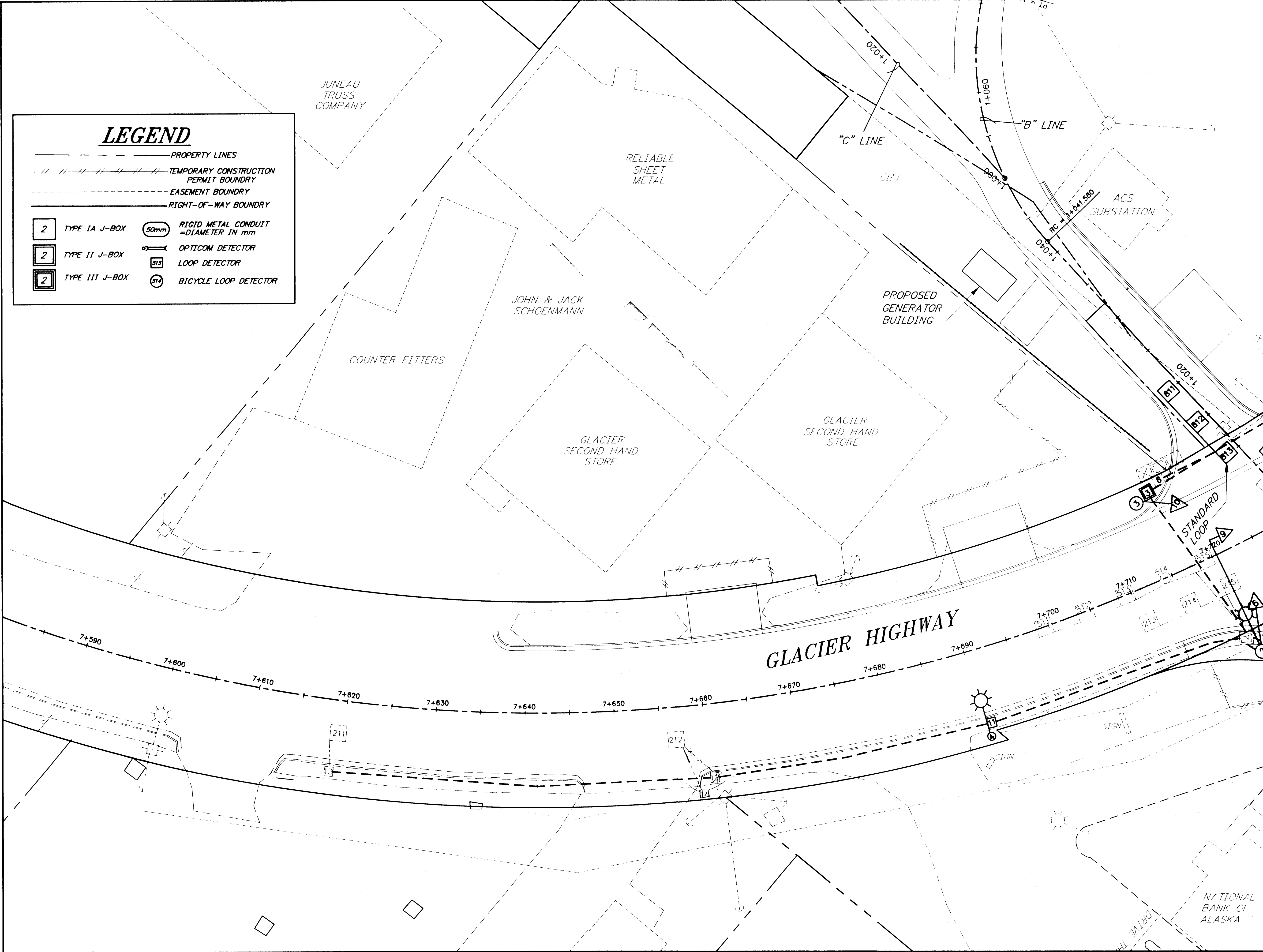


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
 SOUTHEAST
 REGION

LEGEND

--- PROPERTY LINES
 - - - - - TEMPORARY CONSTRUCTION PERMIT BOUNDARY
 - - - - - EASEMENT BOUNDARY
 - - - - - RIGHT-OF-WAY BOUNDARY

2 TYPE IA J-BOX 50mm RIGID METAL CONDUIT = DIAMETER IN mm
 2 TYPE II J-BOX OPTICOM DETECTOR
 2 TYPE III J-BOX 515 LOOP DETECTOR
 514 BICYCLE LOOP DETECTOR



SHEET NUMBER	TOTAL SHEETS	
G-1	13	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
APPENDIUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
M.L.	K.K.	K.M.
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EDTIME		
Rhonda Wed, 20/Jun/01 02:11PM		
STANDARDS:		
SPECIFICATIONS:		

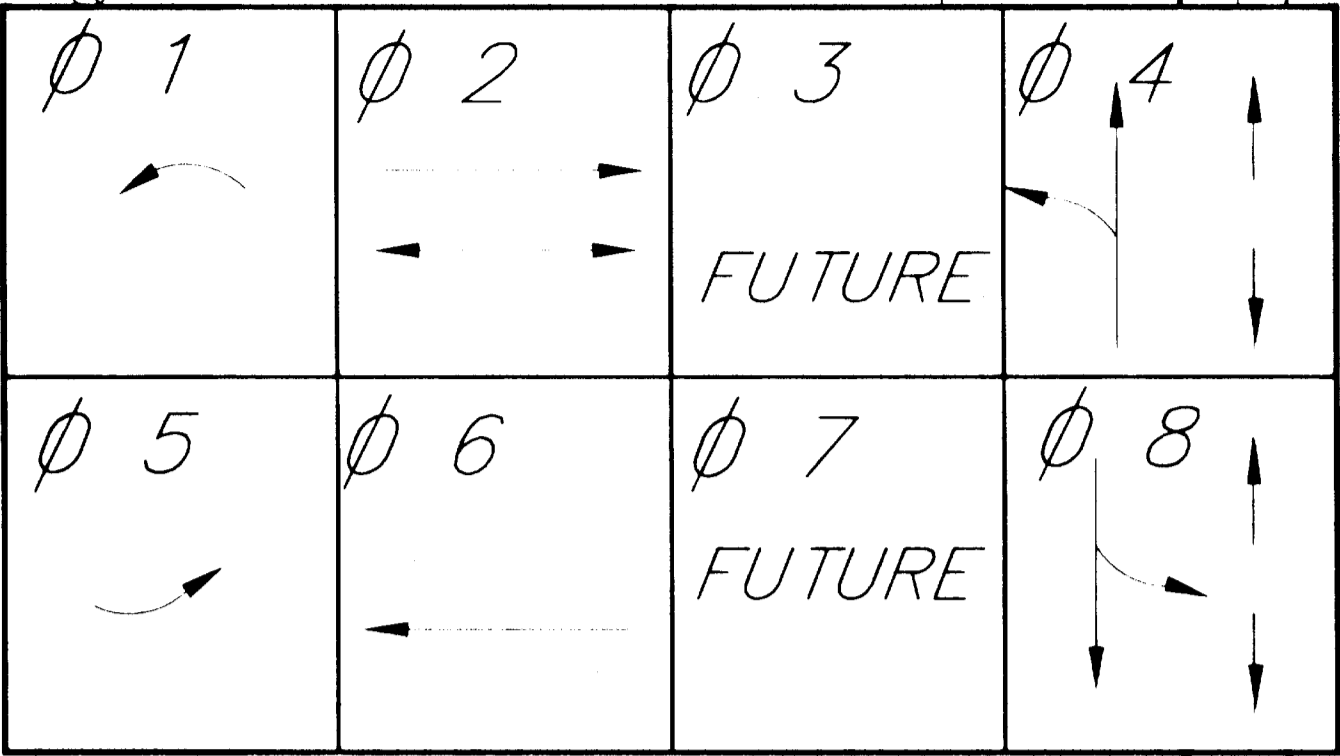
**JNU - GLACIER HIGHWAY/ANKA STREET
 INTERSECTION IMPROVEMENTS
 SIGNALIZATION LAYOUT PLAN**



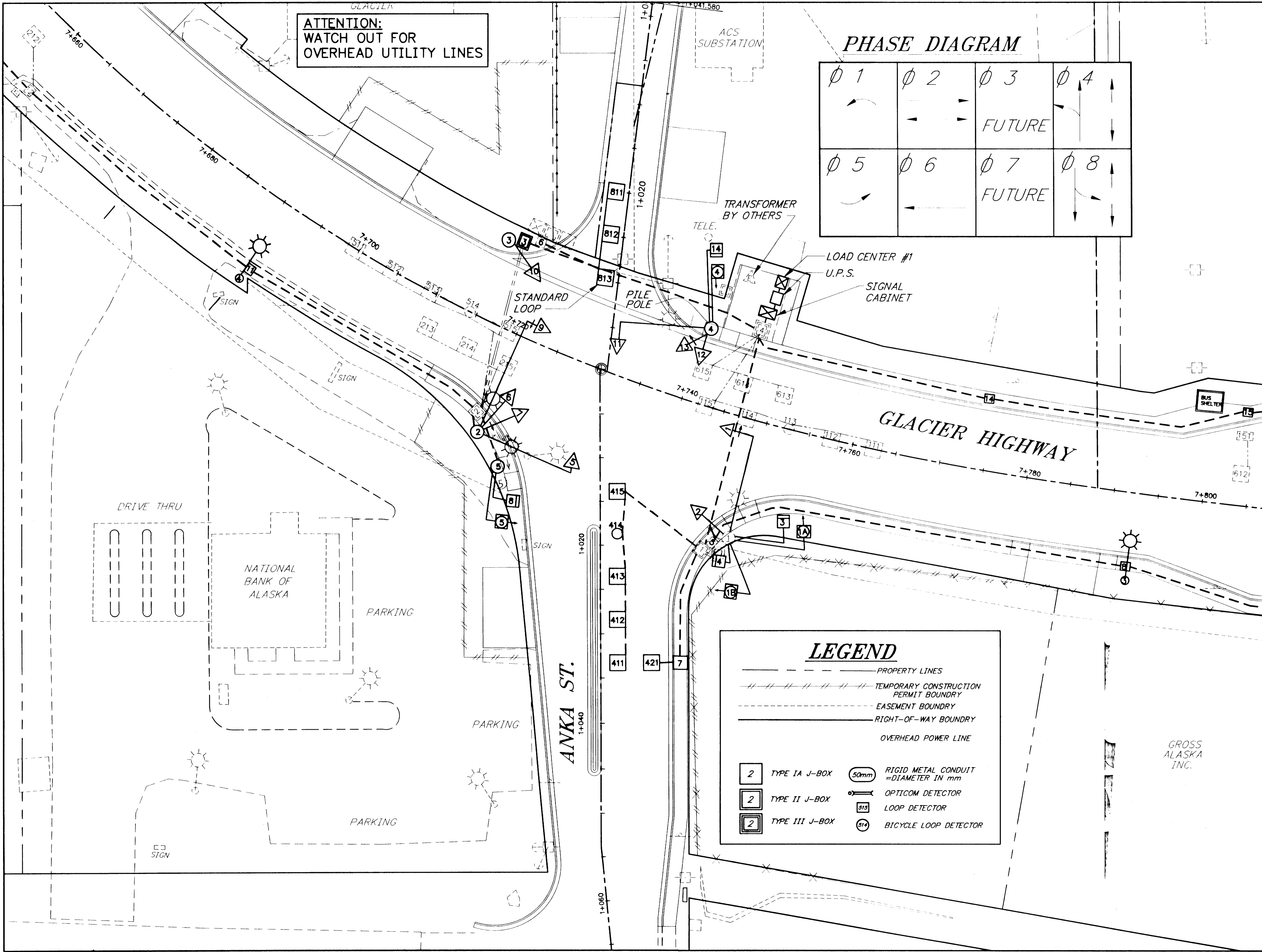
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
 SOUTHEAST
 REGION

**ATTENTION:
WATCH OUT FOR
OVERHEAD UTILITY LINES**

PHASE DIAGRAM



SHEET NUMBER	TOTAL SHEETS	
G-2	13	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
APPENDIX NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY	DRAWN BY	CHECKED BY
M.L.	K.K.	K.M.
ELECTRONIC PATHWAY:		
D:\Jnu 67898 Dr \SIGNAL2.dwg		
EDTIME		
Rhonda Wed, 20 Jun 01 02:13 PM		
STANDARDS:		
SPECIFICATIONS:		



LEGEND

- PROPERTY LINES
- - - - - TEMPORARY CONSTRUCTION PERMIT BOUNDARY
- - - - - EASEMENT BOUNDARY
- RIGHT-OF-WAY BOUNDARY
- OVERHEAD POWER LINE

2	TYPE IA J-BOX	50mm	RIGID METAL CONDUIT = DIAMETER IN mm
2	TYPE II J-BOX	⊕	OPTICOM DETECTOR
2	TYPE III J-BOX	515	LOOP DETECTOR
		614	BICYCLE LOOP DETECTOR

**JNU-GLACIER HIGHWAY/ANKA STREET
INTERSECTION IMPROVEMENTS
SIGNALIZATION LAYOUT PLAN**



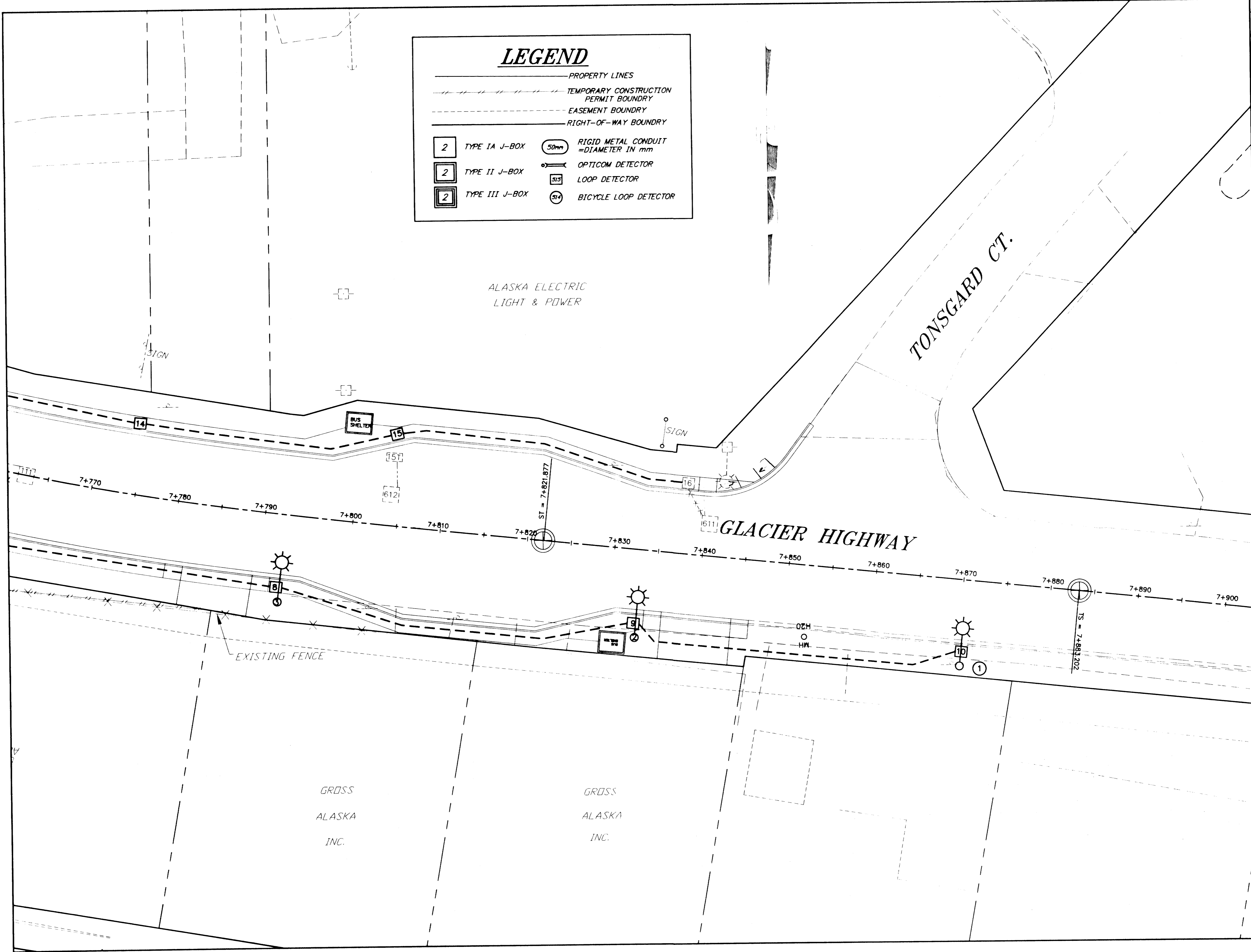
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST
REGION

SHEET NUMBER	6-3	TOTAL SHEETS	13
STATE	ALASKA	YEAR	2001
PROJECT IDENTIFICATION NUMBERS			
67898	CA-0955(11)		
APPENDIX NUMBER			
ATTACHMENT NUMBER			
DESIGNED BY	DRAWN BY	CHECKED BY	
M.L.	K.K.	D.S.	
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EDTIME Rhonda Wed. 20/Jun/01 02:04PM			
STANDARDS			
SPECIFICATIONS			

LEGEND

— PROPERTY LINES
 - - - - - TEMPORARY CONSTRUCTION PERMIT BOUNDARY
 - - - - - EASEMENT BOUNDARY
 - - - - - RIGHT-OF-WAY BOUNDARY

	TYPE IA J-BOX		RIGID METAL CONDUIT =DIAMETER IN mm
	TYPE II J-BOX		OPTICOM DETECTOR
	TYPE III J-BOX		LOOP DETECTOR
			BICYCLE LOOP DETECTOR



**JNU-GLACIER HIGHWAY/ANKA STREET
 INTERSECTION IMPROVEMENTS
 SIGNALIZATION LAYOUT PLAN**



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
 SOUTHEAST
 REGION

LEGEND

- 2 TYPE IA J-BOX
- 2 TYPE II J-BOX
- 2 TYPE III J-BOX
- 50mm RIGID METAL CONDUIT =DIAMETER IN mm
- OPTICOM DETECTOR
- 515 LOOP DETECTOR
- 514 BICYCLE LOOP DETECTOR

NOTES

1. A BARE STRANDED GROUND CONDUCTOR SHALL BE INSTALLED IN ALL CONDUIT AND ATTACHED TO POLES, CONDUIT AND BUSHINGS, ETC.
2. THE BATTERIES FOR THE UNINTERRUPTABLE POWER SUPPLY (U.P.S.) SHALL NOT BE INSTALLED IN THE SAME CABINETS AS THE LOAD CENTER NOR THE SIGNAL CABINET.
3. INSTALLATION AND WIRING REQUIREMENTS FOR THE U.P.S. SHALL BE PER THE MANUFACTURER AND THE PROJECT SPECIFICATIONS. THE CONTRACTOR SHALL INSTALL ALL NECESSARY WIRING AND CONDUIT TO COMPLETE THE TRAFFIC SIGNAL SYSTEM.
4. STREET LIGHTING CONDUCTOR DOES NOT ENTER THE CONTROLLER CABINET.
5. CONTRACTOR SHALL PROVIDE ALL NECESSARY CONDUIT AND WIRING FOR A TELEPHONE CONNECTION TO THE SIGNAL CABINET.

LOW VOLTAGE SIGNAL CONDUCTOR

- 1C #14: LOOP WIRES
- 2C #14: LOOP LEAD-IN
- 2C: PEDESTRIAN PUSH BUTTON
- 6PR: MULTI-LOOP LEAD-IN
- 3C #20: PROPRIETARY OPTICOM CABLE

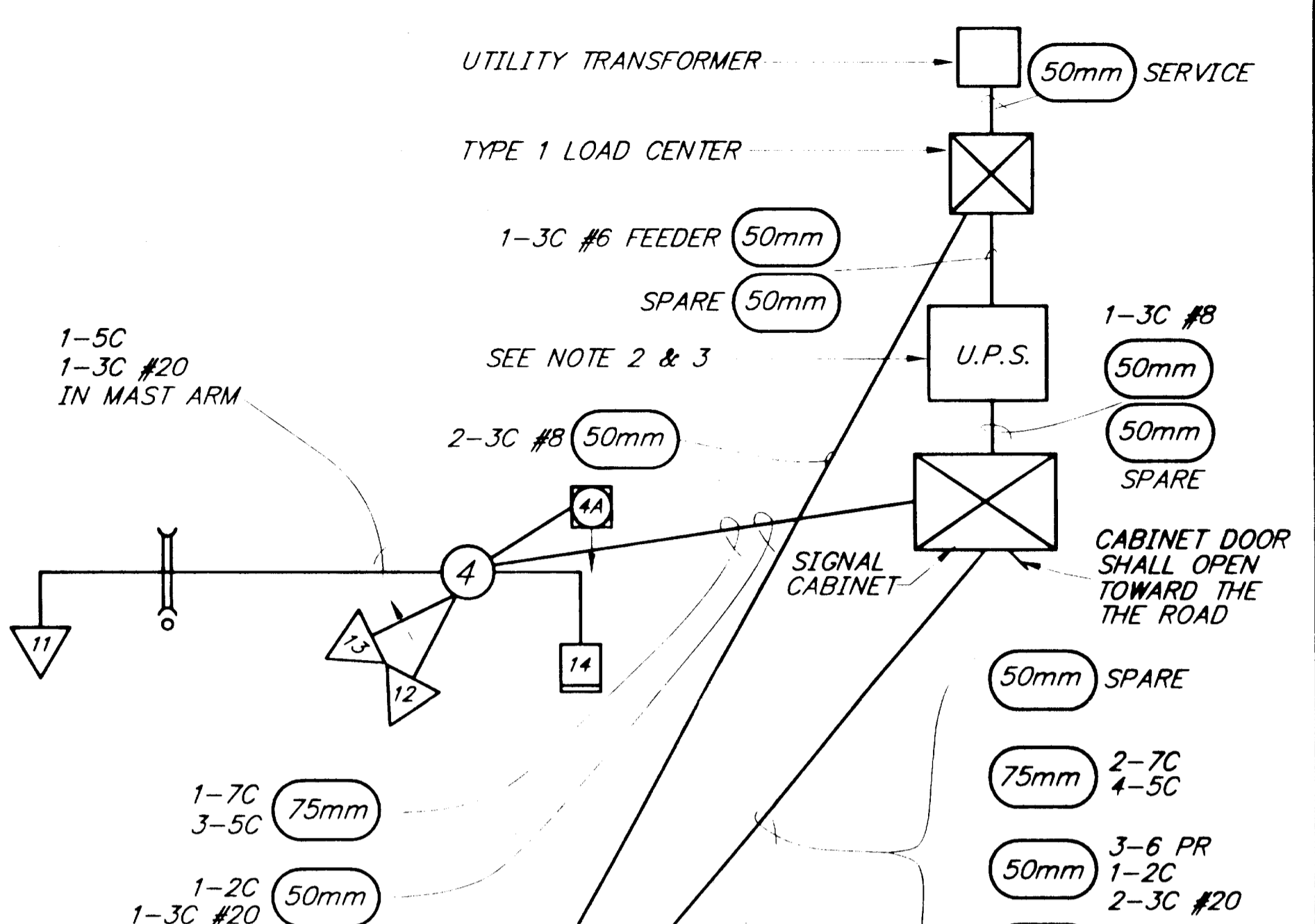
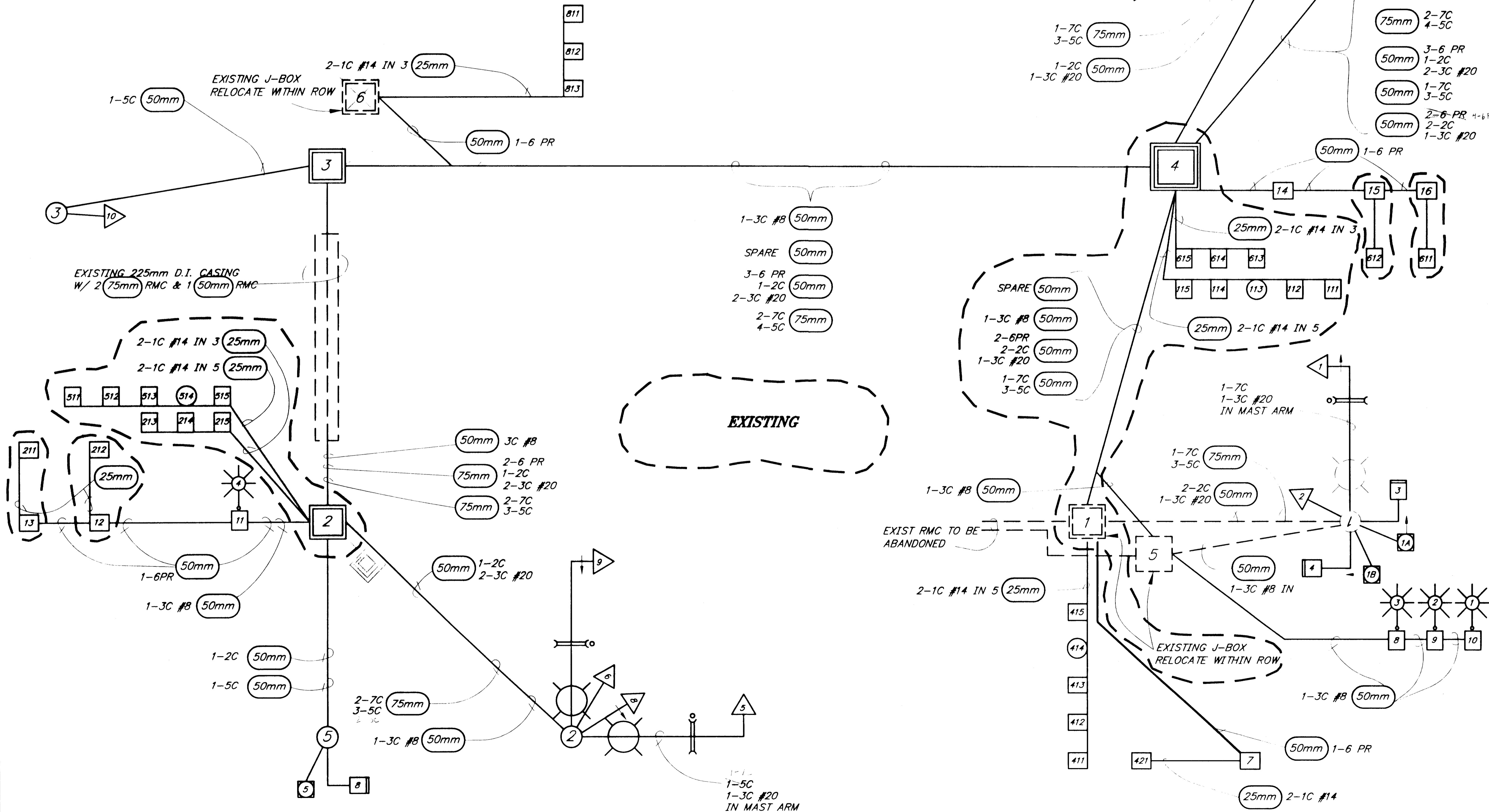
120 VOLT SIGNAL CONDUCTOR

- 5C: PEDESTRIAN AND STANDARD SIGNAL HEADS
- 7C: 5 SECTION SIGNAL HEADS

LIGHTING AND POWER CONDUCTOR

- 3C#X: LIGHTING OR SIGNAL POWER

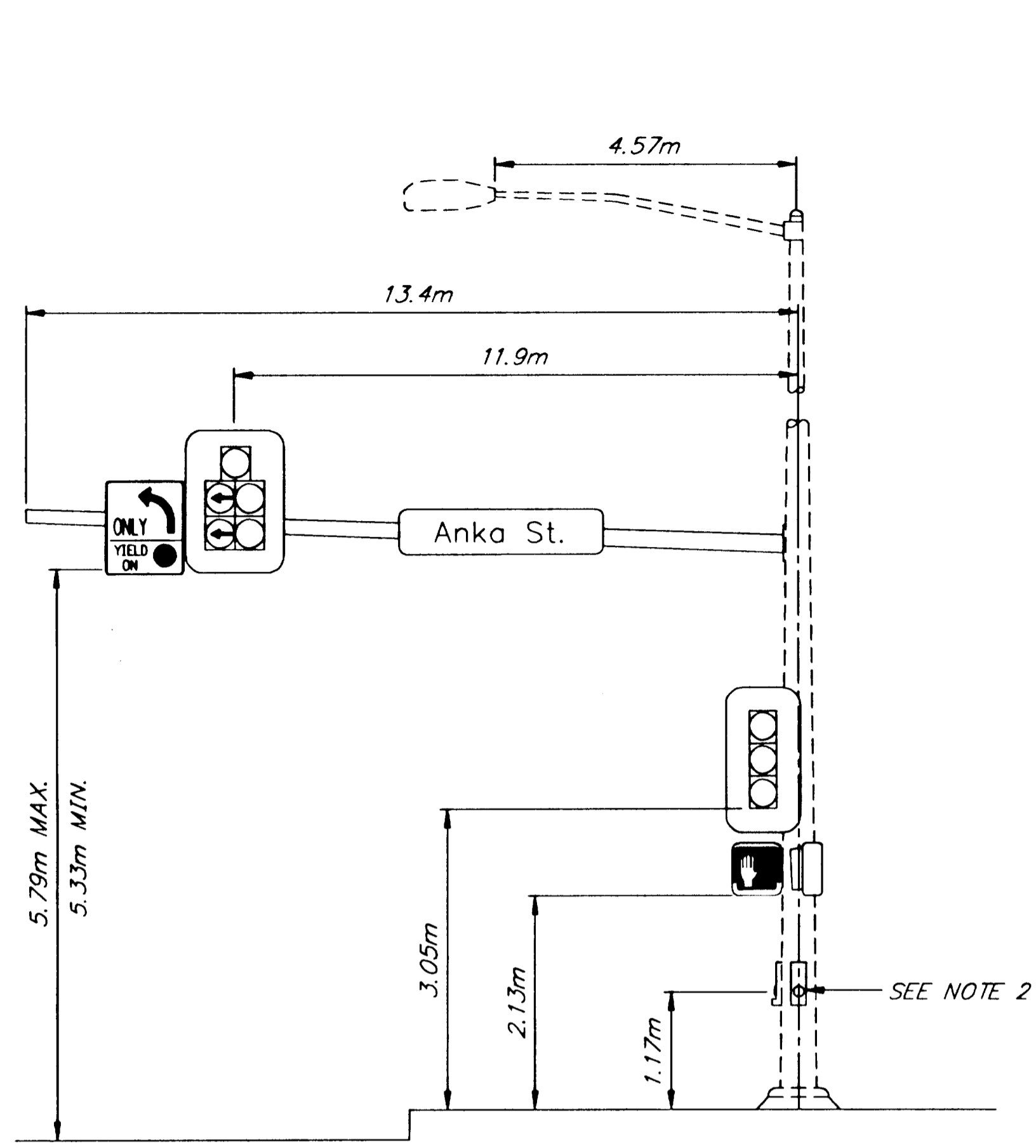
THE NUMBER PRECEDING THE CABLE DESIGNATION INDICATED THE NUMBER OF CABLES TO BE INSTALLED.



SHEET NUMBER	TOTAL SHEETS	
G-4	13	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0995(11)	
APPENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY	DRAWN BY	CHECKED BY
K.M.	K.K.	M.L.
ELECTRONIC PATHWAY:		
D:\jnu\67898.Dr\EM\PDANKA\wire1.dwg		
EDTIME		
Rhonda Wed, 20/Jun/01 02:05PM		
STANDARDS:		
SPECIFICATIONS:		

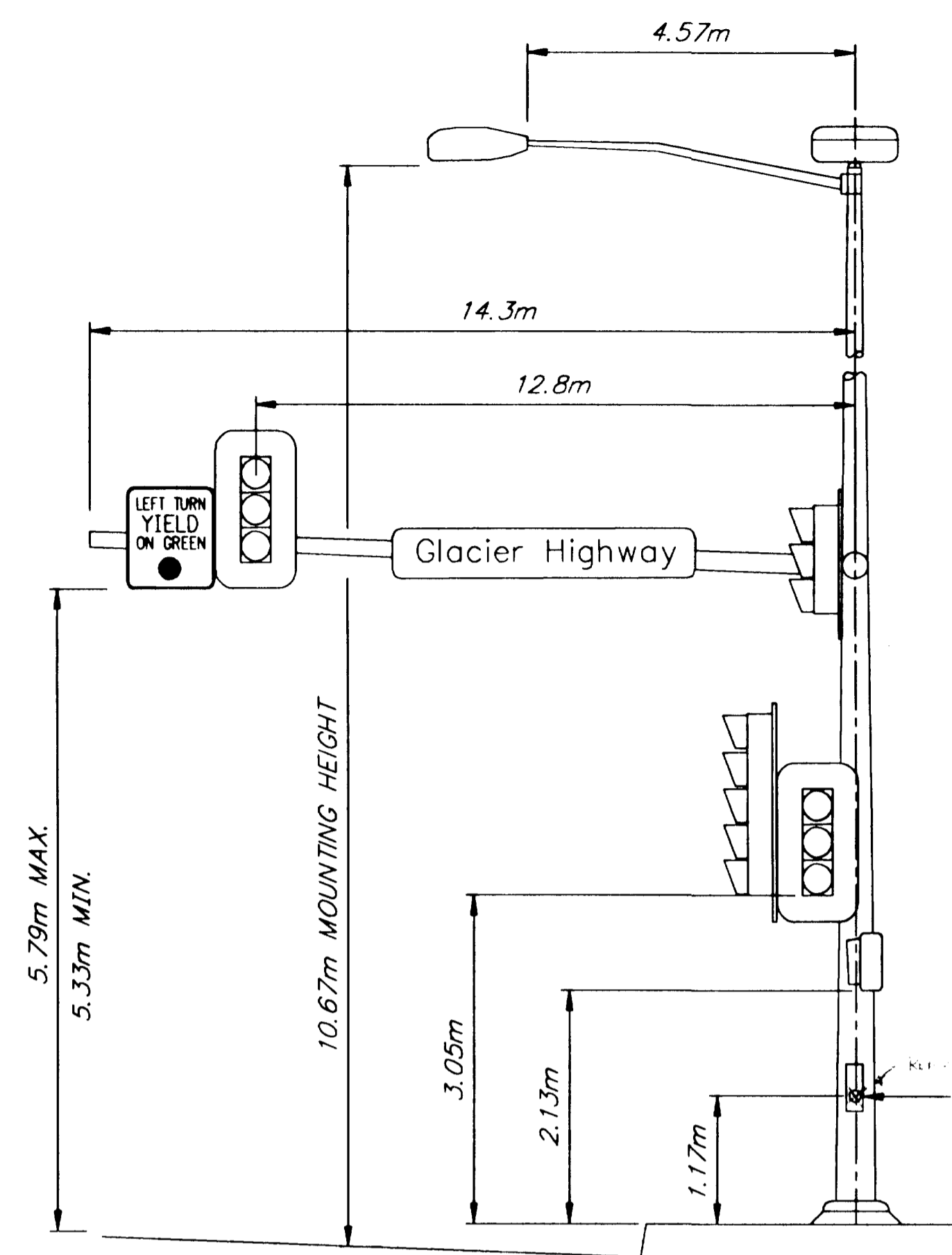
JNU-GLACIER HIGHWAY/ANKA STREET INTERSECTION IMPROVEMENTS WIRING DIAGRAM SCHEMATIC

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

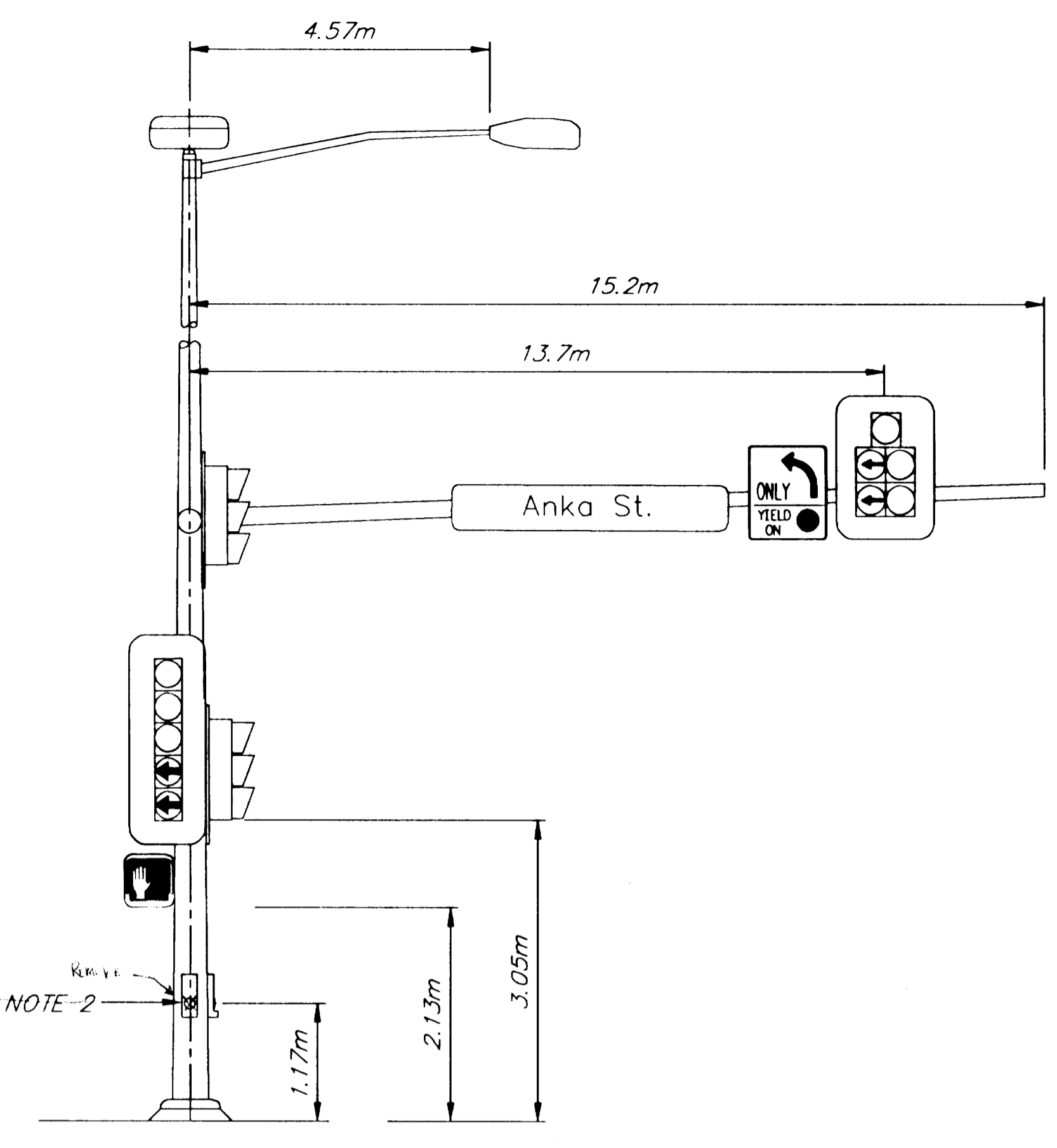


SIGNAL POLE NO. 1 DETAIL
(LOOKING WEST)

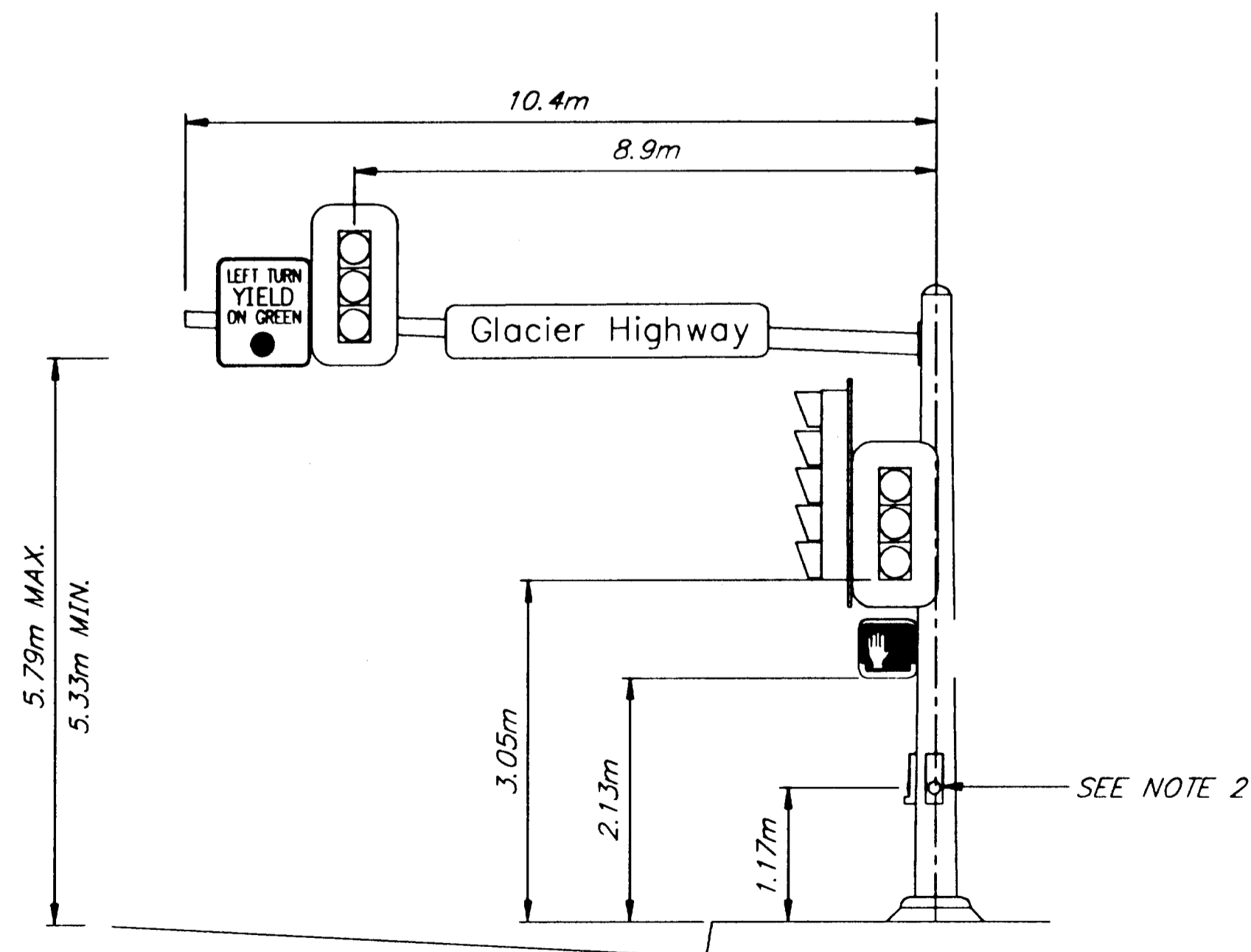
NOTE:
THE SIGNAL POLE AND LUMINAIRE MASTARM ARE EXISTING.
AS-BUILT INFORMATION IS AVAILABLE FROM THE ENGINEER.



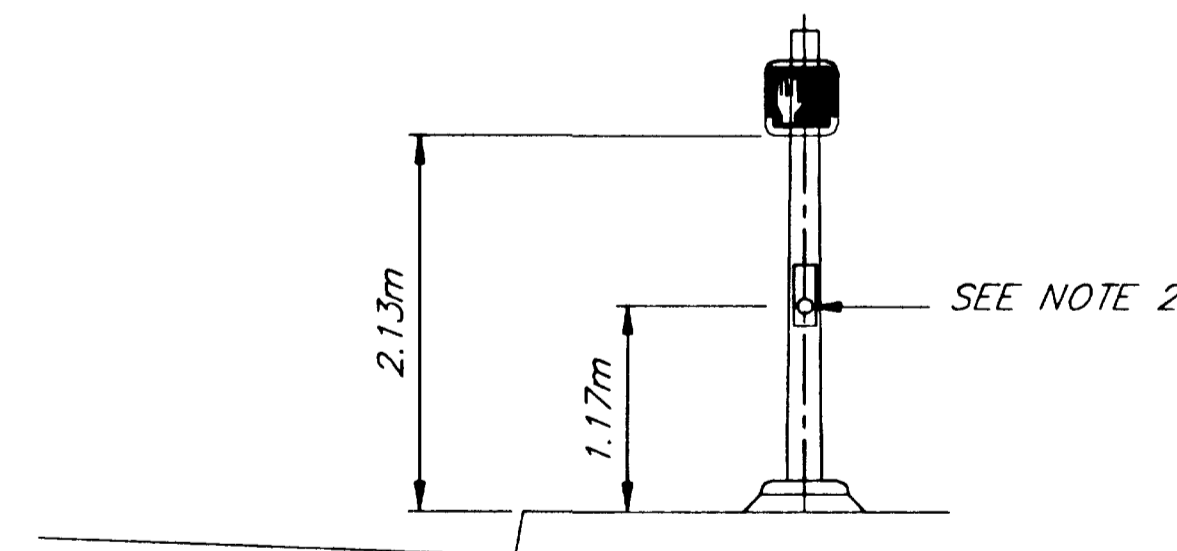
SIGNAL POLE NO. 2 DETAIL
(LOOKING NORTH)



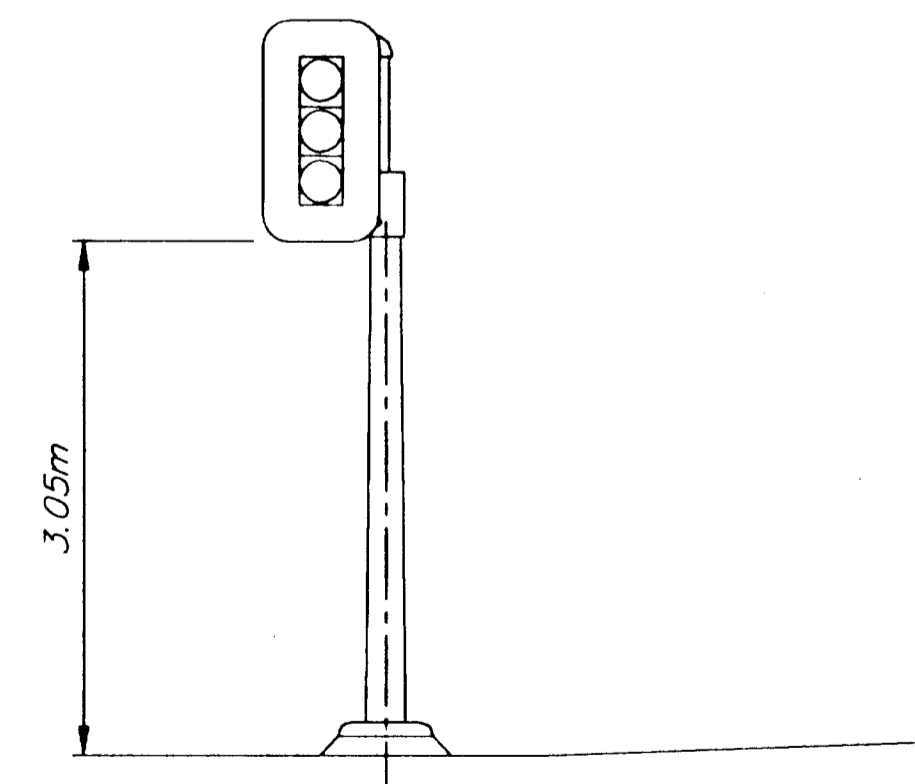
SIGNAL POLE NO. 2 DETAIL
(LOOKING EAST)



SIGNAL POLE NO. 4 DETAIL
(LOOKING SOUTH)



SIGNAL POLE NO. 5 DETAIL
PEDESTRIAN/LUMINAIRE
(LOOKING EAST)



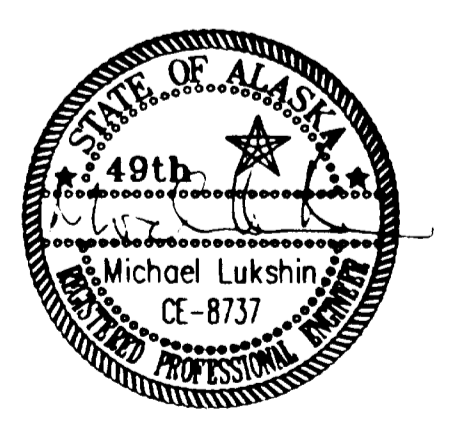
SIGNAL POLE NO. 3 DETAIL
(LOOKING EAST)

SIGNAL POLE NOTES:

1. SIGNAL POLES, MAST ARMS AND LUMINAIRES SHALL BE DESIGNED FOR 167 KPH WIND SPEED.
2. THE 1.17m DIMENSION IS TO THE CENTER OF THE BUTTON.
3. FOR FOUNDATION DETAILS, SEE SHEET G-13.

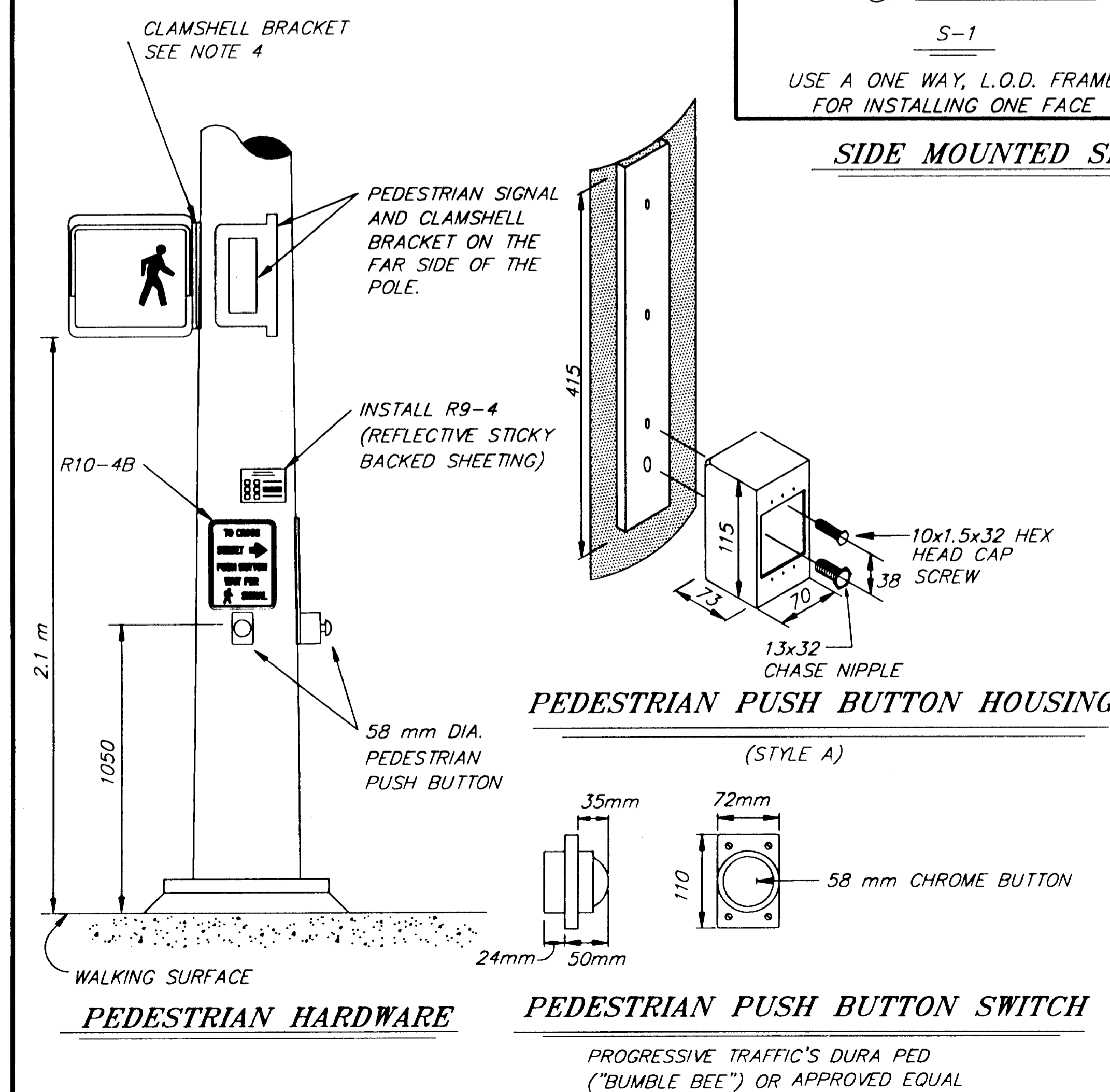
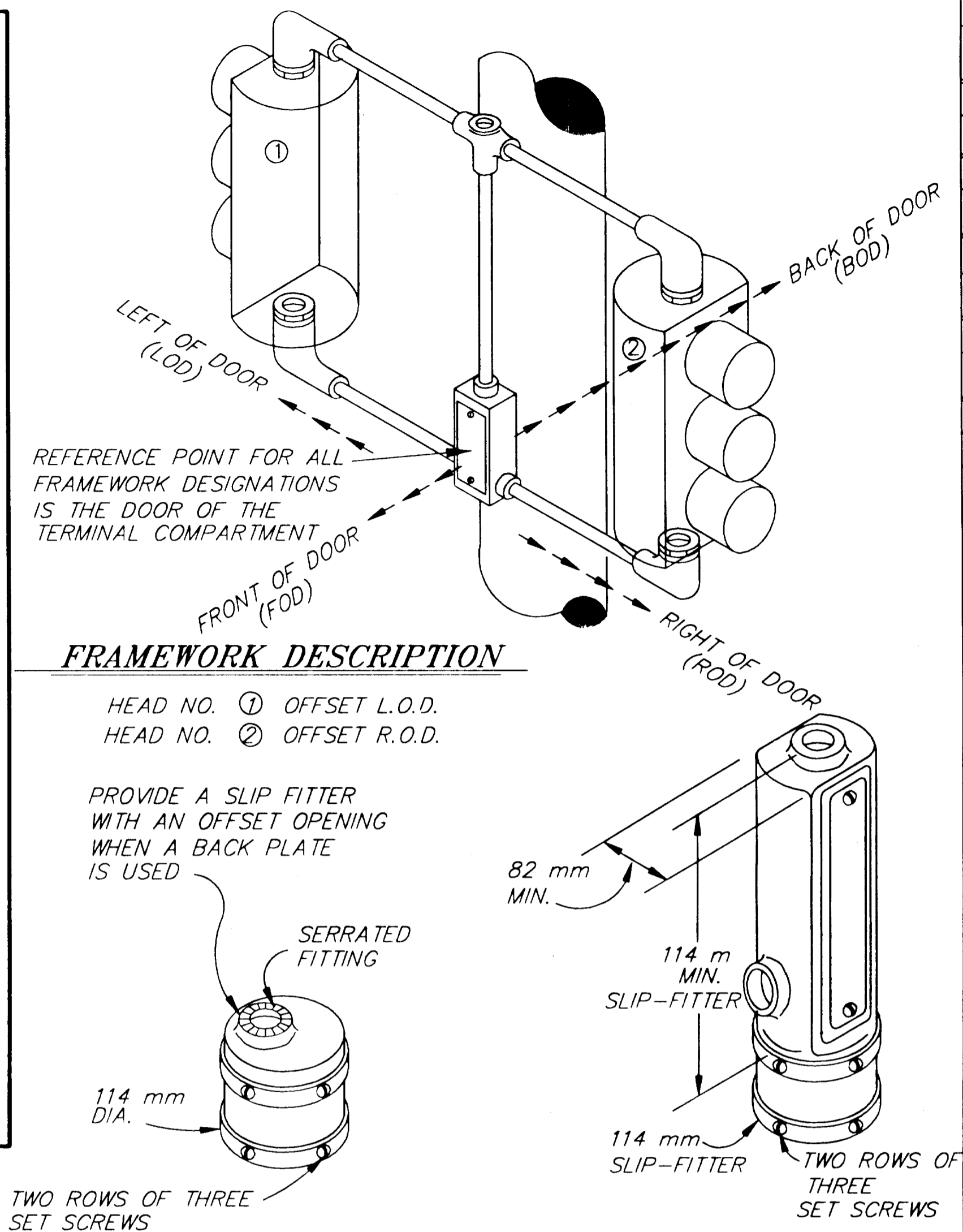
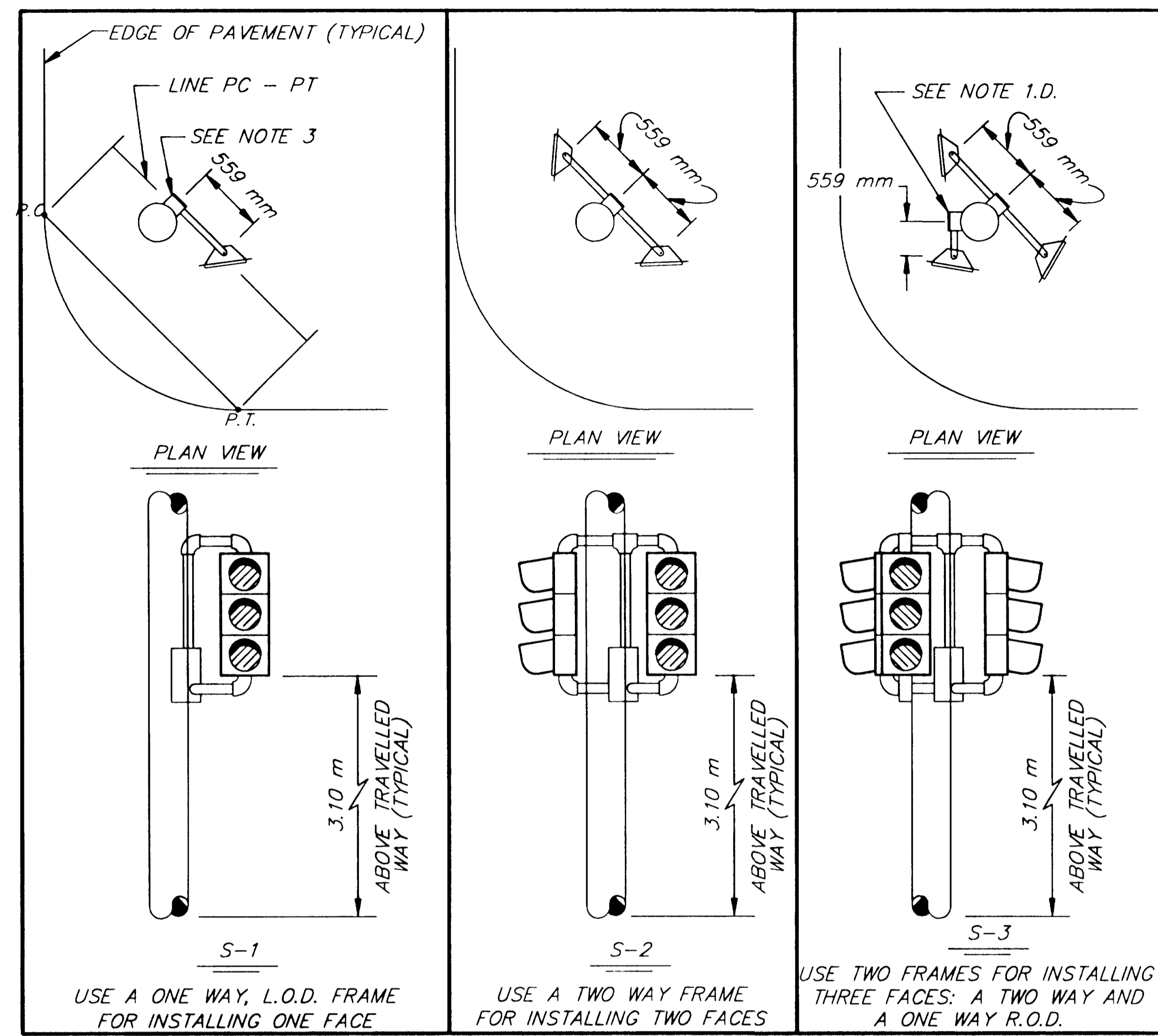
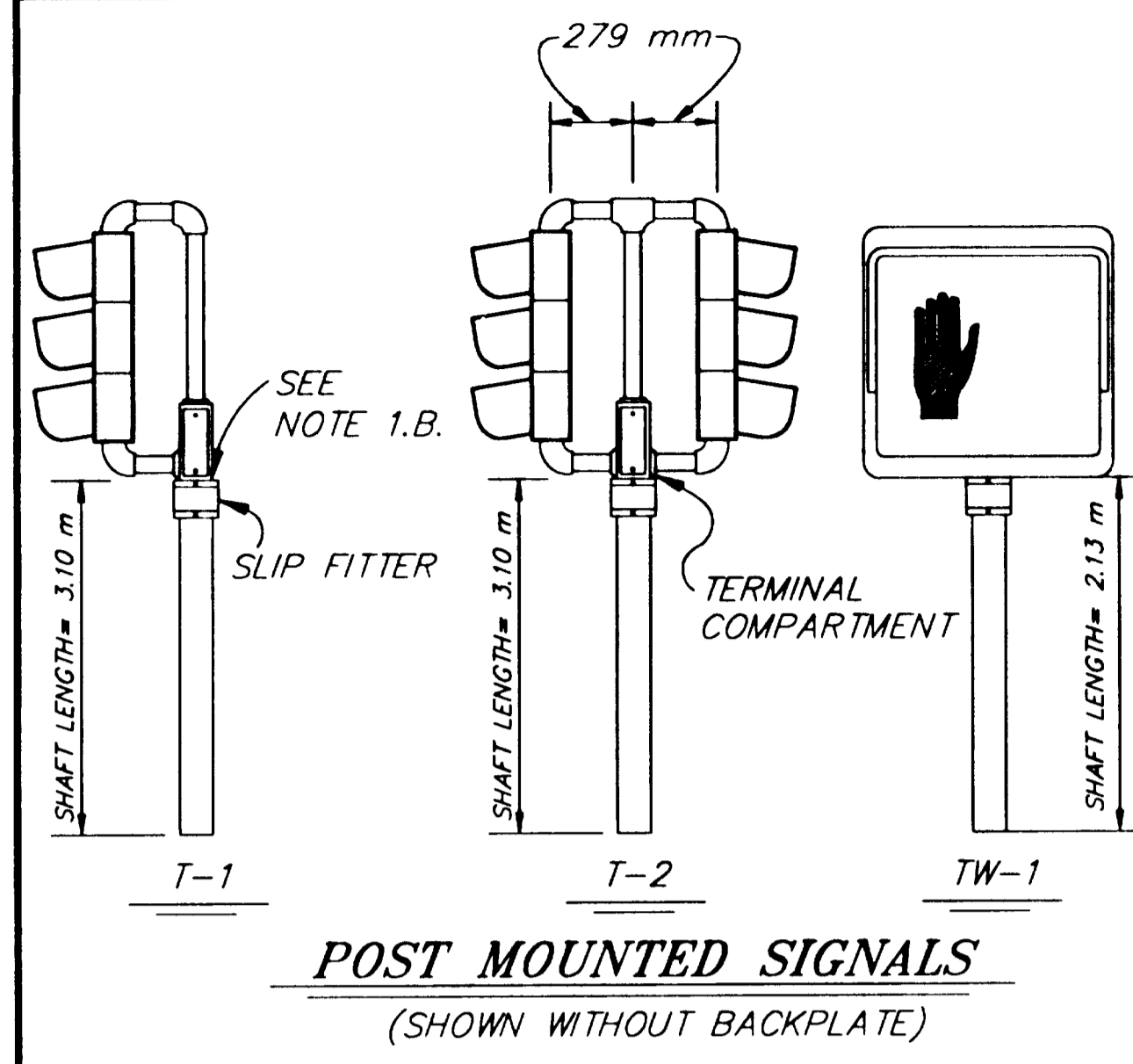
SHEET NUMBER	TOTAL SHEETS	
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STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
APPENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
M.L.	K.K.	K.M.
ELECTRONIC PATHWAY:		
Q:\jnu\67898\Dr\ -Lumin3.dwg		
EDTIME		
Rhonda Wed, 20/Jun/01 11:59AM		
STANDARDS:		
SPECIFICATIONS:		

JNU-GLACIER HIGHWAY/ANKA STREET
INTERSECTION IMPROVEMENTS
POLE DETAILS

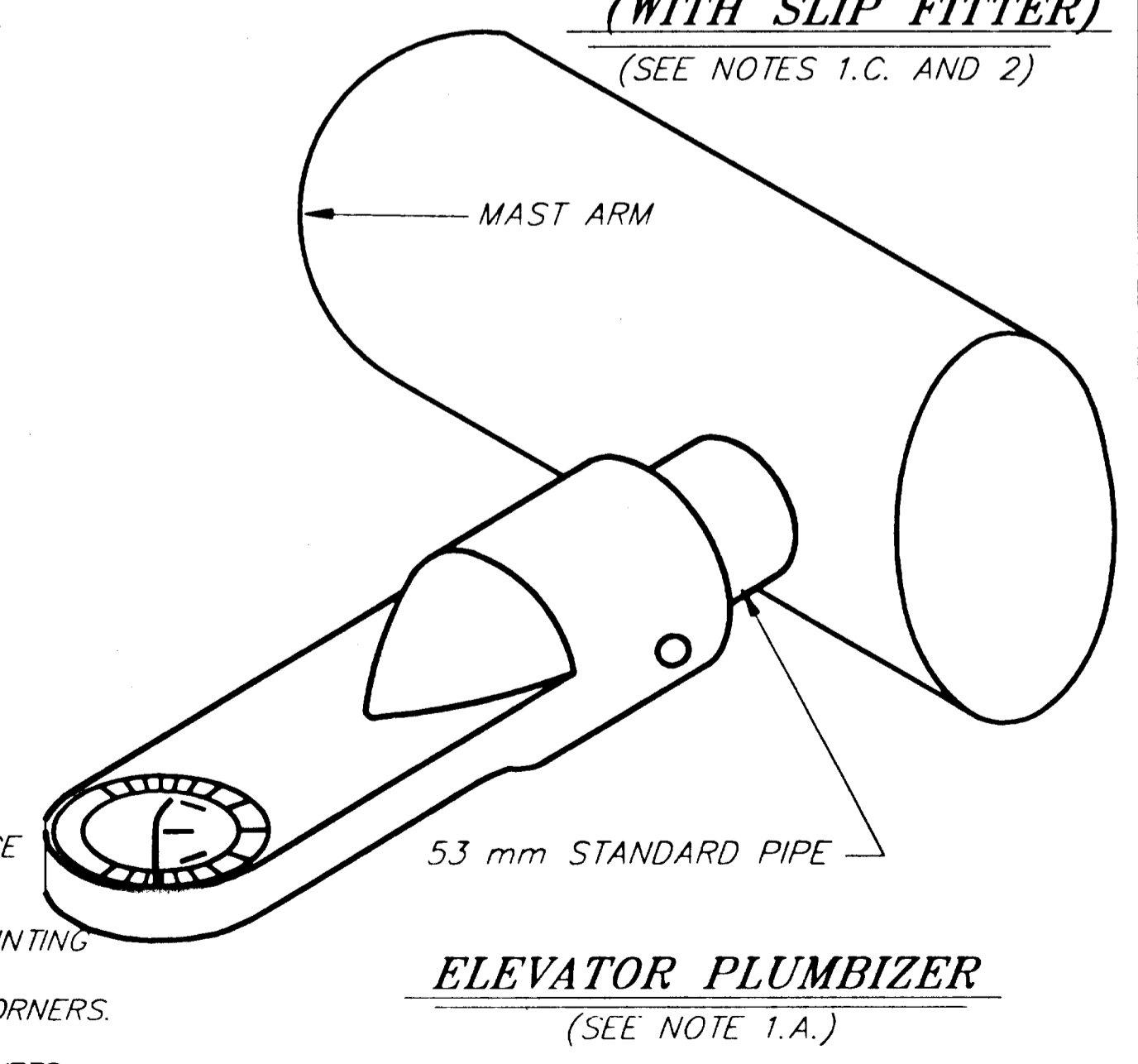


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST
REGION

SHEET NUMBER	TOTAL SHEETS	
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STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898 CA-0955(11)		
APPENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
M.L.	K.K.	K.M.
ELECTRONIC PATHWAY:		
Q:\jnu\67898\Dr-Lumin4.dwg		
EDTIME		
Rhonda Wed, 20/Jun/01 12:01PM		
STANDARDS:		
SPECIFICATIONS:		



- TRAFFIC SIGNAL HARDWARE NOTES:**
- INSTALL THE SIGNAL FACES SHOWN IN THE PLANS AS DETAILED ON THIS SHEET.
 - USE ELEVATOR PLUMBIZERS TO INSTALL FACES ON MAST ARMS AND WHENEVER 5.3 mm PIPE TENONS ARE SPECIFIED, INSTALL THE PLUMBIZER BETWEEN THE RED AND YELLOW SIGNAL INDICATIONS.
 - USE SLIP FITTERS TO INSTALL PEDESTRIAN SIGNALS ON THE TOP OF POSTS.
 - USE SIGNAL FRAMES TO INSTALL SIGNAL FACES ON THE SIDES OF POLES AND ON THE TOPS OF POSTS.
 - USE A SECOND SIGNAL FRAME TO INSTALL THE THIRD FACE WHEN THREE SIDE MOUNTED SIGNAL FACES ARE SHOWN.
 - USE CLAMSHELL BRACKETS TO INSTALL ALL PEDESTRIAN SIGNALS, EXCEPT THOSE THAT ARE POST TOP MOUNTED.
 - FURNISH ALL SIGNAL FRAMES WITH TERMINAL COMPARTMENTS.
 - INSTALL ONE TERMINAL COMPARTMENT ON THE SIDE OF THE POLE OPPOSITE THE MIDPOINT OF THE RADIUS RETURN. POSITION THE TERMINAL COMPARTMENT AT THE LOCATION WHERE A LINE PARALLEL TO THE LONG CHORD (P.C. TO P.T.) OF THE RADIUS RETURN IS TANGENT TO THE POLE.
 - INSTALL PEDESTRIAN SIGNALS SO THE POLES TO WHICH THEY ARE ATTACHED ARE BETWEEN THE PEDESTRIAN SIGNAL AND THE THROUGH TRAFFIC LANE THAT PARALLELS THE CROSSWALK.
 - FIELD DRILL THE HOLES NEEDED FOR ATTACHING ALL SIGNAL HARDWARE. USE HOLE SAWS WHEN DRILL BITS ARE NOT AVAILABLE. TREAT THE BARE STEEL SURFACES IN ACCORDANCE WITH SECTION 660-2.14, GALVANIZING, OF THE STANDARD SPECIFICATIONS.
 - PROVIDE LOUVERED BACK PLATES SIZED FOR THE NUMBER OF SIGNAL SECTIONS AND MOUNTING TYPE, SO THAT NO LIGHT IS VISIBLE BETWEEN THE BACK PLATE AND THE SIGNAL FACE. FURNISH BACK PLATES FOR DOGHOUSE STYLE SIGNALS THAT FEATURE NOTCHED UPPER CORNERS.
 - ATTACH ALL BACK PLATES USING 4.76 mm DIAMETER LARGE FLANGE STAINLESS STEEL RIVETS WITH A GRIP RANGE OF 9.525-12.7 mm
 - ABOVE EACH PEDESTRIAN PUSH BUTTON, INSTALL A R10-4B (LEFT OR RIGHT, AS APPROPRIATE) SIGN.



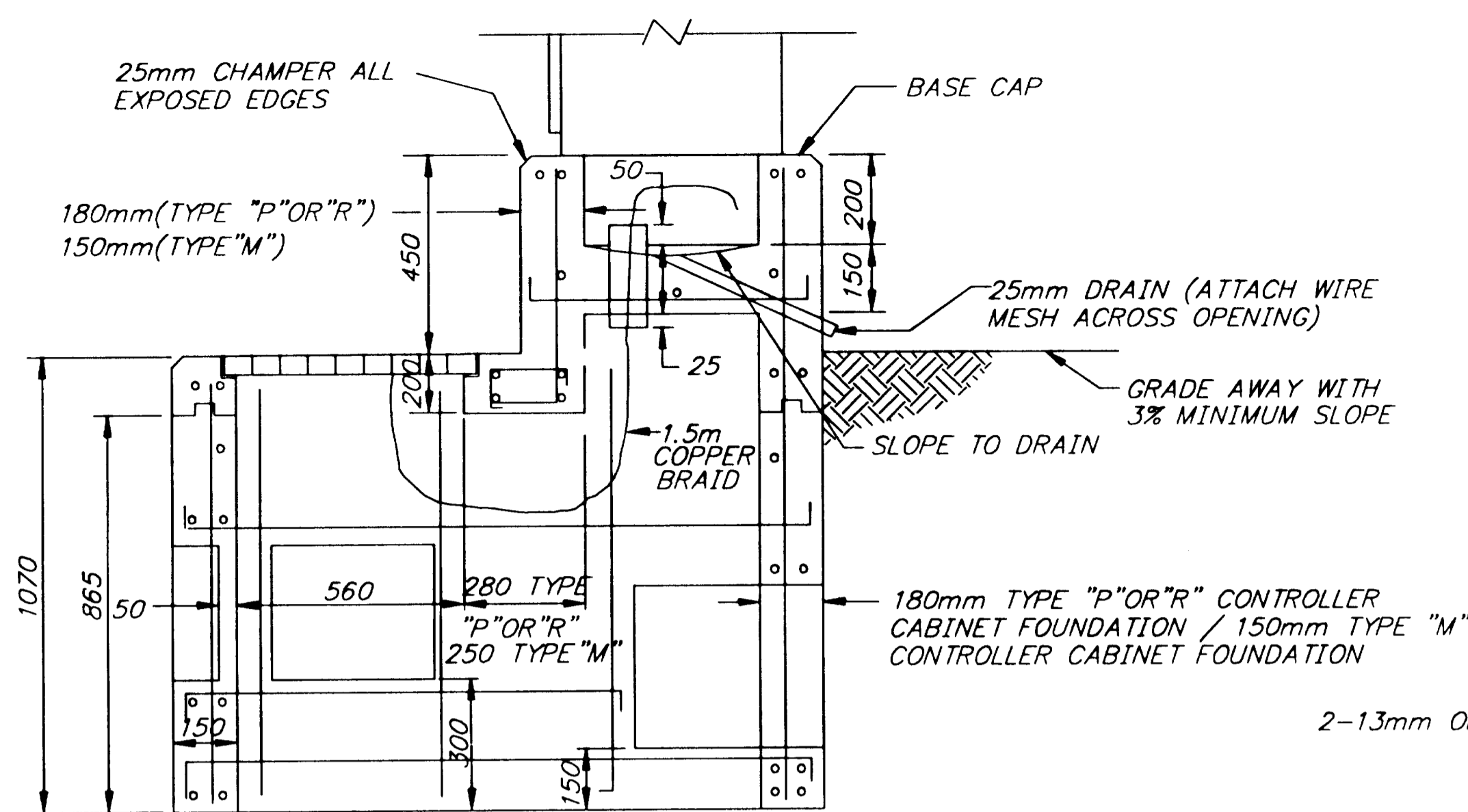
JNU - GLACIER HIGHWAY / ANKA STREET
INTERSECTION IMPROVEMENTS
TRAFFIC SIGNAL HARDWARE PLAN



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST
REGION

SHEET NUMBER	TOTAL SHEETS	
G-7	13	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
M.L.	K.K.	K.M.
ELECTRONIC PATHWAY:		
Q:\jnu\67898\Dr\ -Lumin5.dwg		
EDTIME		
Rhonda Wed, 20/Jun/01 12:04PM		
STANDARDS:		
SPECIFICATIONS:		

JNU-GLACIER HIGHWAY/ANKA STREET
 INTERSECTION IMPROVEMENTS
 CONTROLLER CABINET DETAILS

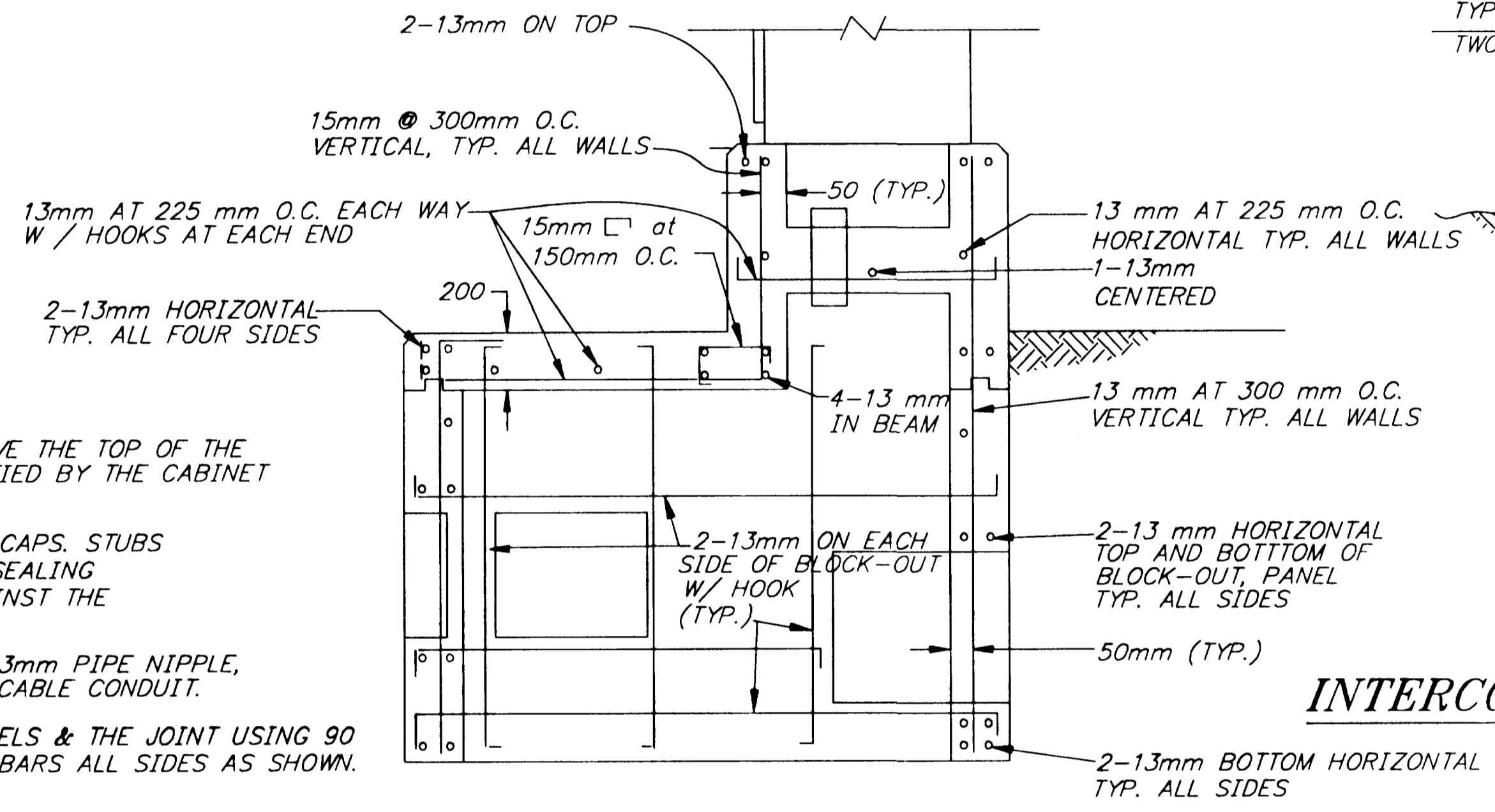


SECTION A-A

NOTE: SEE SECTION "B-B" FOR REBAR DETAILS

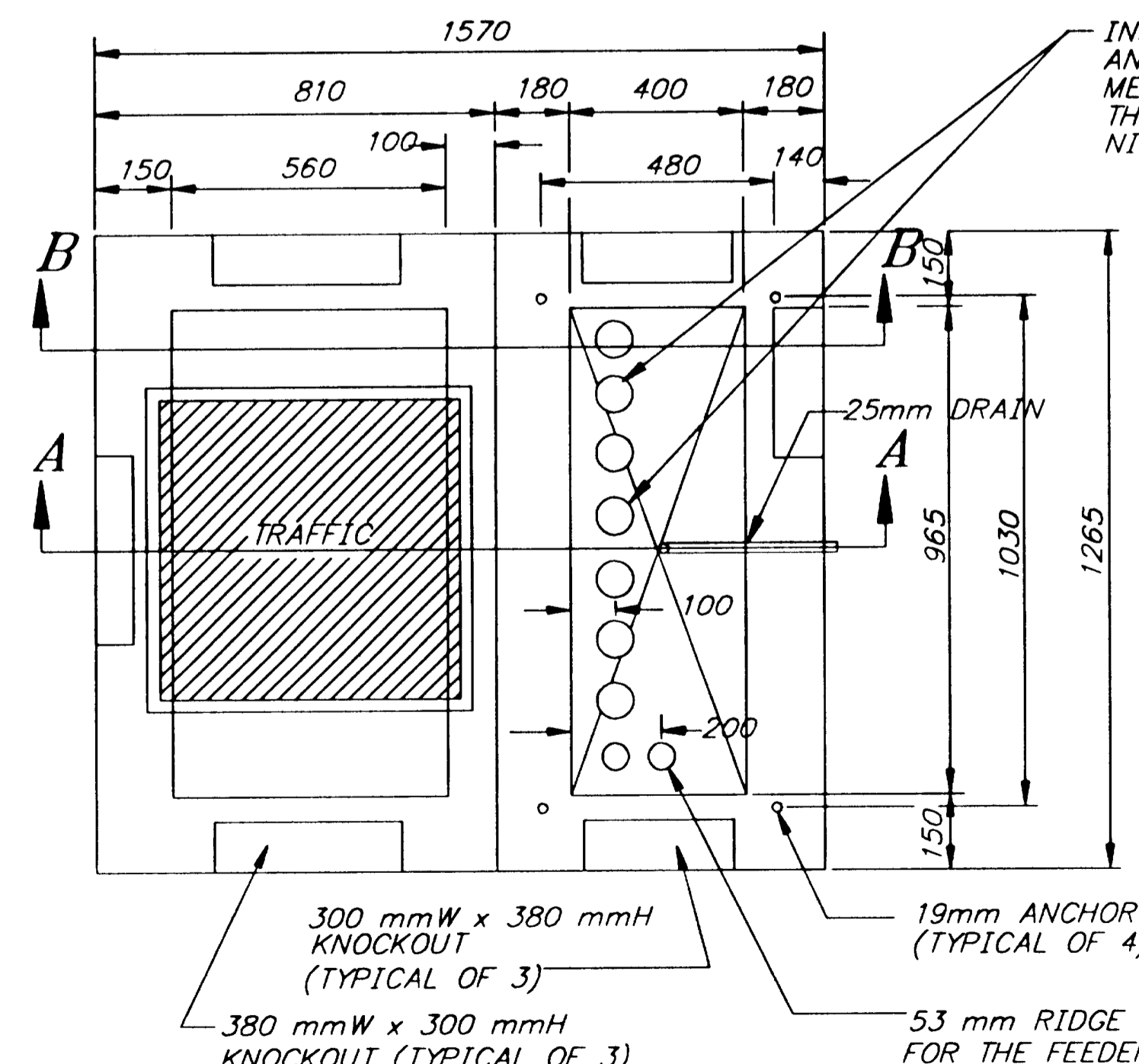
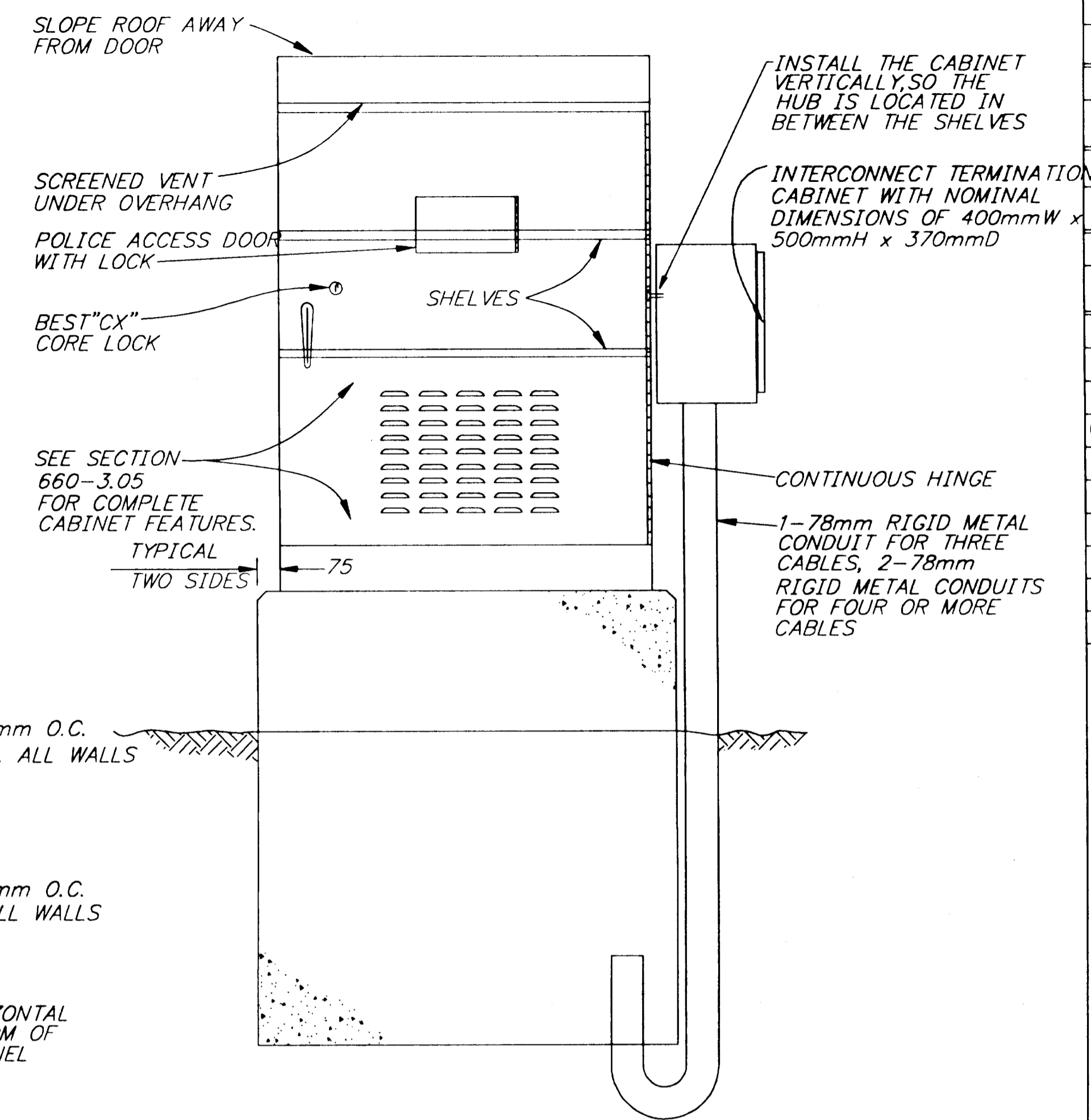
GENERAL NOTES:

1. ANCHOR BOLTS SHALL NOT PROTRUDE MORE THAN 38mm ABOVE THE TOP OF THE FOUNDATION. ANCHOR BOLT DIMENSIONS SHALL BE AS SPECIFIED BY THE CABINET MANUFACTURER.
2. UNUSED CONDUIT STUBS SHALL BE SEALED WITH WATERTIGHT CAPS. STUBS CARRYING CONDUCTORS SHALL BE SEALED WITH WATERTIGHT SEALING BUSHINGS DESIGNED TO SEAL AROUND CONDUCTORS AND AGAINST THE CONDUIT WALLS.
3. ROUTE THE 1.5m COPPER GROUNDING JUMPER THROUGH THE 53mm PIPE NIPPLE, AND ATTACH IT TO THE GROUNDING BUSHING ON THE FEEDER CABLE CONDUIT.
4. STOP HORIZONTAL & VERTICAL STEEL AT THE BLOCK-OUT PANELS & THE JOINT USING 90 DEGREE HOOKS. USE 2 EXTRA 13mm HORIZONTAL & VERTICAL BARS ALL SIDES AS SHOWN.

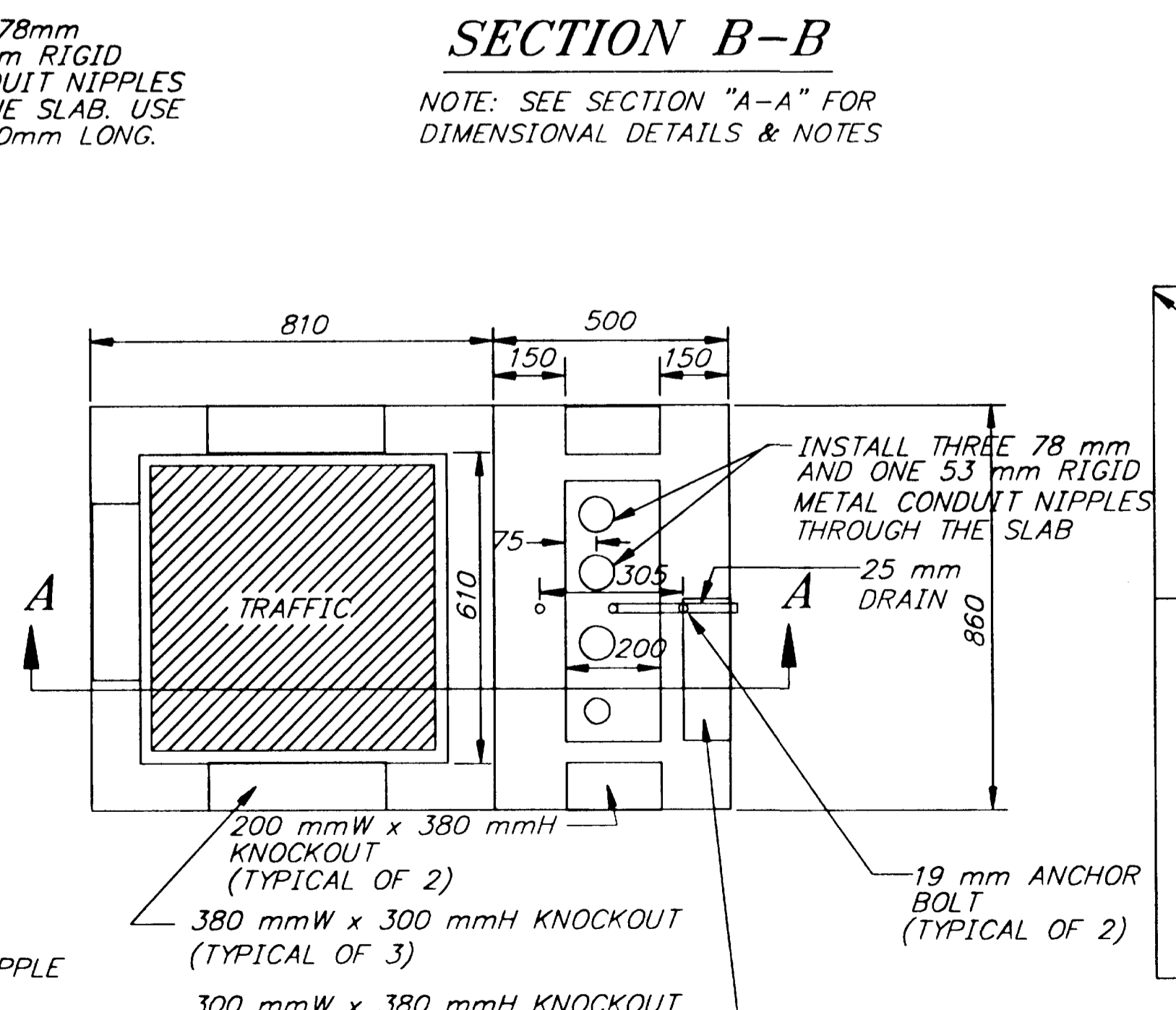


INTERCONNECT CABLE TERMINATION CABINET

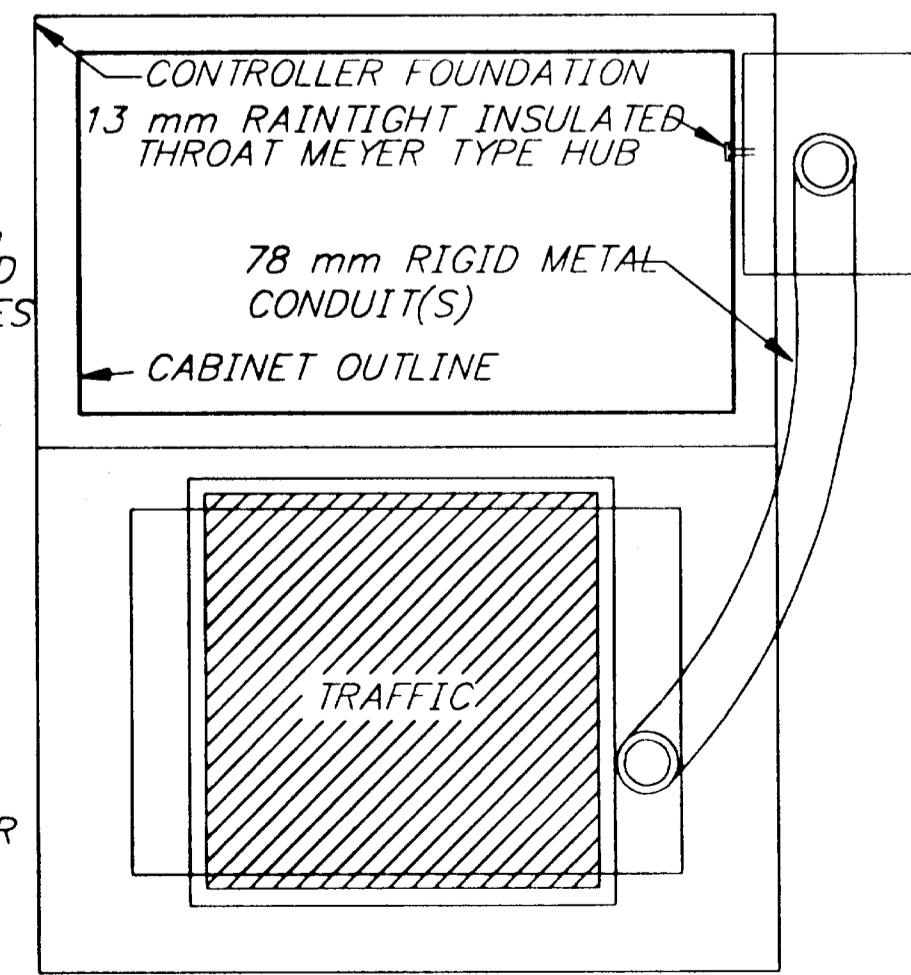
ELEVATION



TYPE "P" or "R" CONTROLLER CABINET FOUNDATION



TYPE "M" CONTROLLER CABINET FOUNDATION



PLAN VIEW

INTERCONNECT TERMINATION

CABINET NOTES:

1. MATERIAL ALUMINUM 0.080 T-5052 H-32
2. NO VENTILATING LOUVERS ARE REQUIRED
3. INSTALL BEST LOCK
4. INSTALL TWO 25 PR. TERMINAL BLOCKS (AMPHENAL- M 66 SYSTEMS), TELEPHONE 31 D TYPE SPLIT BLOCK (6 TERMINAL- 3 LEFT, 3 RIGHT). INSTALL ONE BLOCK ON RIGHT SIDE OF CABINET. INSTALL ONE BLOCK ON LEFT SIDE OF CABINET.
5. INSTALL THE INTERCONNECT CABLE TERMINATION CABINET WHEN CALLED FOR IN THE PLANS OR WHENEVER 3 OR MORE INTERCONNECT CABLES ARE TO BE TERMINATED.

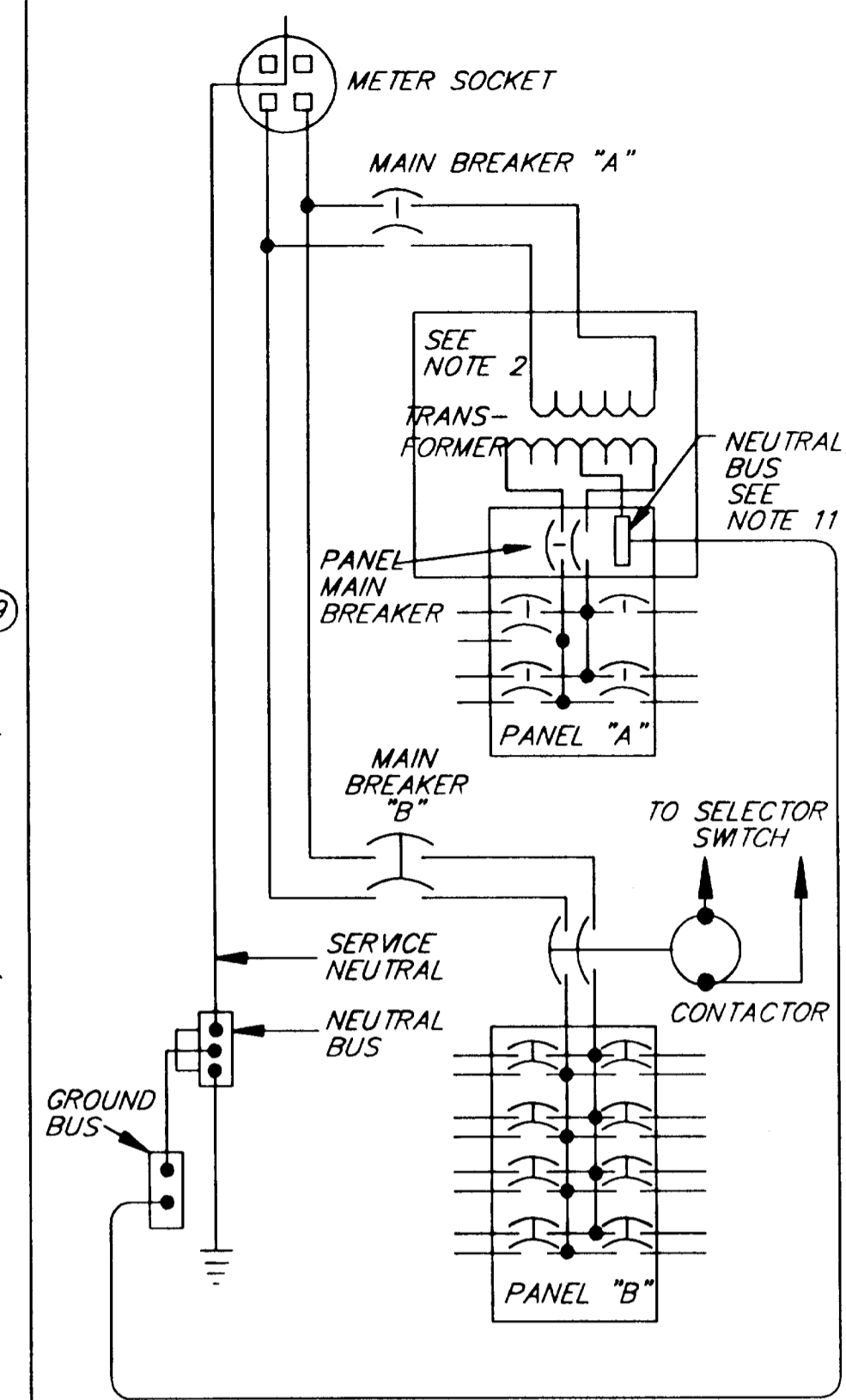


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
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 SOUTHEAST
 REGION

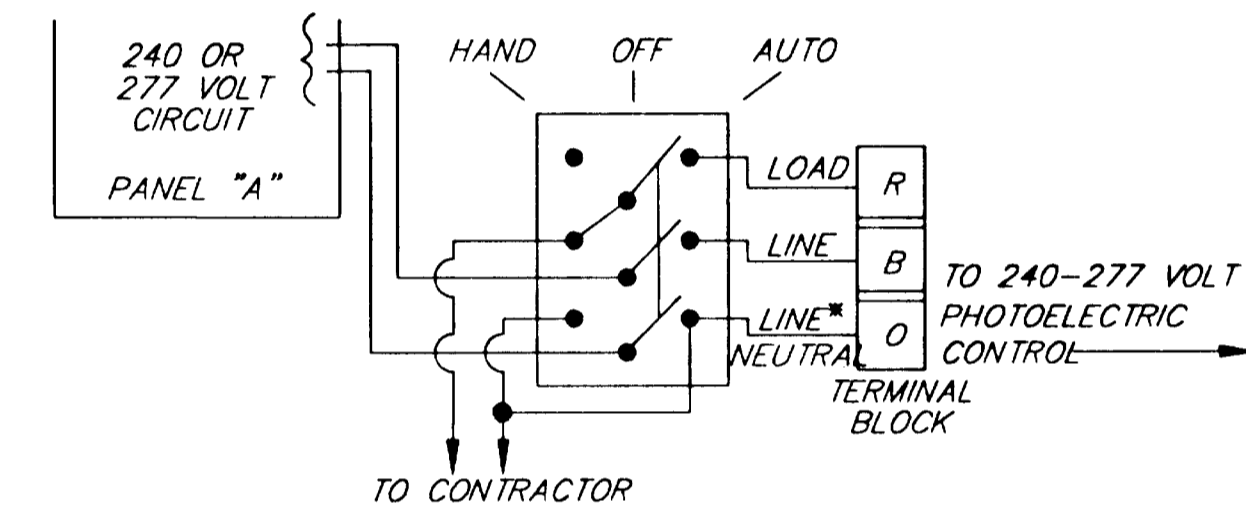
SHEET NUMBER	TOTAL SHEETS	
G-B	13	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
6789B	CA-0955(11)	
APPENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
M.L.	K.K.	K.M.
ELECTRONIC PATHWAY:		
Q:\jnu\6789B\Dr\Lumin7.dwg		
EDTIME		
Bert Wed, 20/Jun/01 01:13PM		
STANDARDS:		
SPECIFICATIONS:		

WIRING NOTES:

1. THE TYPE I LOAD CENTER IS INTENDED FOR USE WITH ALL 480 VOLT SERVICES AND THOSE 240 VOLT SERVICES, WHENEVER THE LOAD CONDUCTORS WILL NOT FIT INTO ONE TWO INCH CONDUIT.
2. THE SERVICE VOLTAGE IS SHOWN IN EACH LOAD CENTER SUMMARY. INSTALL A TRANSFORMER AND A PANEL WITH MAIN BREAKER WHENEVER A TRAFFIC SIGNAL CIRCUIT IS SPECIFIED AND 120 VOLTS IS NOT AVAILABLE.
3. PROVIDE LOAD PANELS SIZED FOR THE NUMBER OF DOUBLE POLE CIRCUIT BREAKERS SHOWN IN THE LOAD CENTER SUMMARIES, ALLOWING SPACE FOR TWO SPARE DOUBLE POLE BREAKERS.
4. INSTALL TWO SPARE DOUBLE POLE 20 AMPERE BREAKERS IN ALL LOAD PANELS.
5. THE CONTROL CIRCUIT AND CONTACTOR COIL RATING IS EITHER 240 OR 277 VOLT, AS DETERMINED BY THE SERVICE VOLTAGE.
6. INSTALL THE TRANSFORMER, WHEN CALLED FOR IN THE LOAD CENTER SUMMARY, ON WALL BRACKETS ATTACHED TO THE SIDE OF THE FOUNDATION. INSTALL THE WALL BRACKETS TO ENSURE THE BOTTOM OF THE TRANSFORMER IS IN THE SAME PLANE AS THE TOP OF THE FOUNDATION.
7. THE INTERRUPTING CAPACITY OF LOAD CENTER CIRCUIT BREAKERS SHALL BE 10,000 AIC AT 240 VOLTS AND 14,000 AIC AT 480 VOLTS, UNLESS OTHERWISE NOTED. LOAD CENTER INTERRUPTING RATING MAY BE A SERIES RATING.
8. MEYERS TYPE HUBS ARE UL LISTED AS A GROUNDING CONDUIT FITTINGS FOR WET LOCATIONS.
9. METALLIC CONDUITS, MUST BE GROUNDED AT EACH END. PROVIDE INSULATED THROAT GROUNDING BUSHINGS.
10. GROUND CONDUCTORS TO BE COPPER SIZED PER NEC TABLES 250-94 AND 250-95, UNLESS NOTED AS LARGER; #8 AWG MINIMUM.
11. IF PANEL-A IS DERIVED FROM A TRANSFORMER PER NOTE #2, PROVIDE A SEPARATE NEUTRAL BUS AND BOND TO LOAD CENTER GROUND BUS.
12. SEE LOAD CENTER SUMMARIES FOR CIRCUIT AND COMPONENT DESCRIPTIONS AND RATINGS.

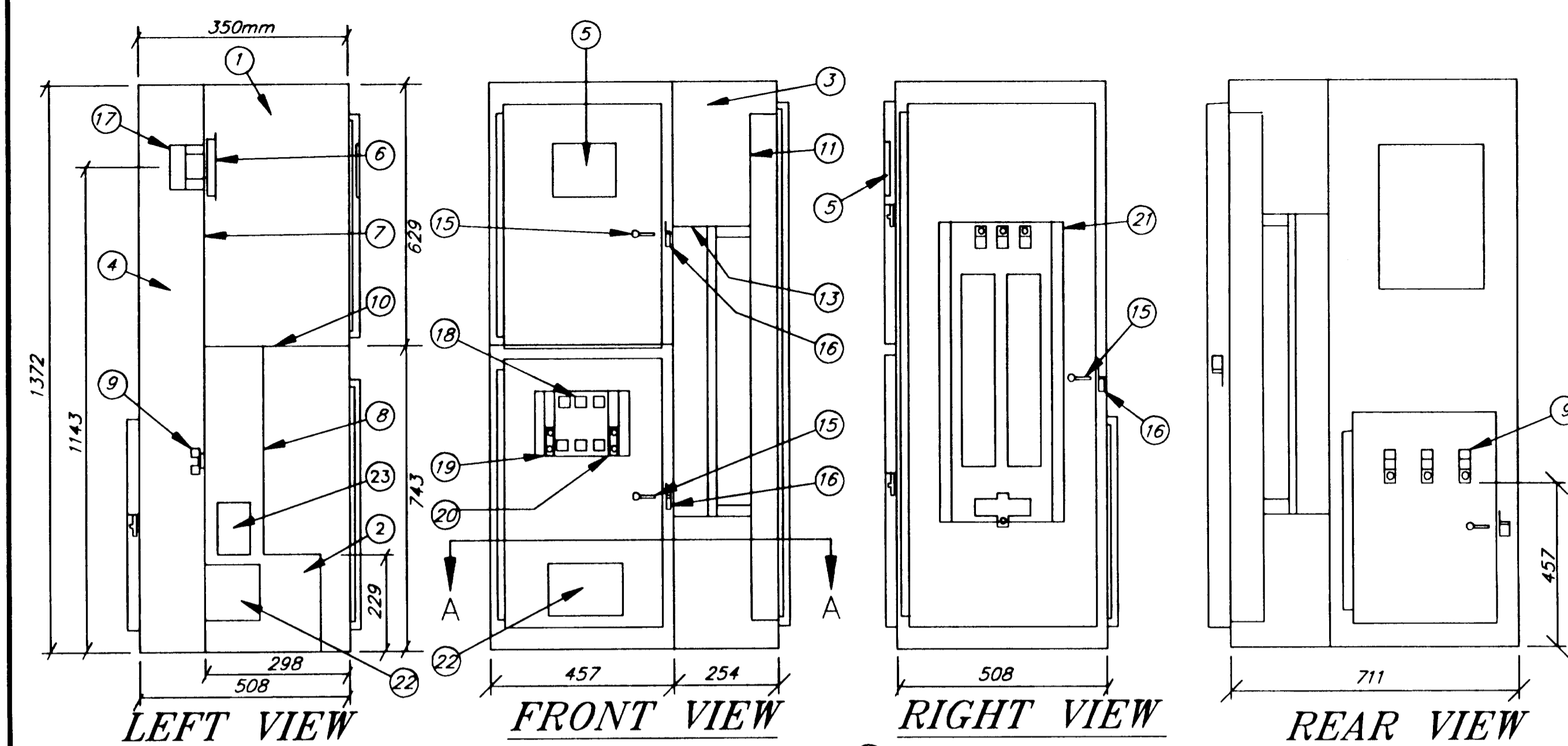


WIRING DIAGRAM
TYPE 1 LOAD CENTER



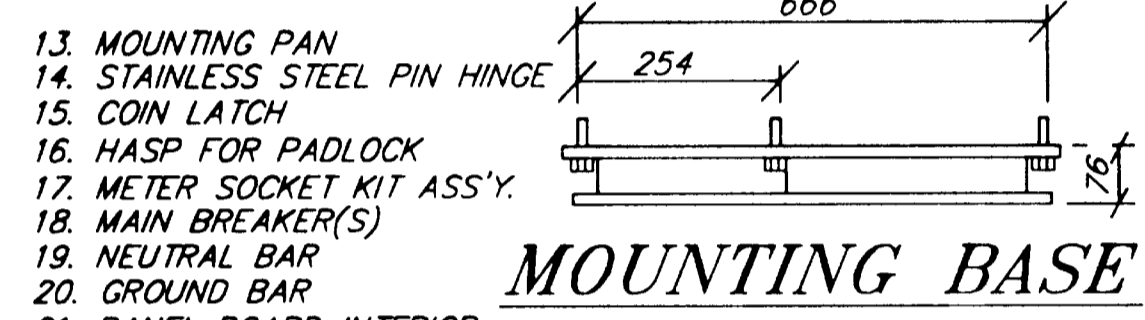
SELECTOR SWITCH WIRING
(USING 10 AMP, 3 POLE, 3 POSITION SWITCH)

* GROUNDED NEUTRAL IF SERVICE IS 240/480 VOLT SINGLE PHASE, OR 277/480 VOLT THREE-PHASE UNGROUNDED LINE IF SERVICE IS 120/240 VOLT SINGLE-PHASE.



EQUIPMENT LEGEND

1. METER SECTION
2. LOAD SECTION (MAIN)
3. LOAD SECTION (DISTRIBUTION)
4. SERVICE PULL SECTION
5. METER READING WINDOW
6. METER SOCKET COVER
7. TEST SECTION COVER
8. DEAD FRONT
9. UTILITY LANDING LUGS
10. METER SECTION BARRIER
11. PANEL BOARD DEADFRONT
12. EQUIPMENT CHASSIS
13. MOUNTING PAN
14. STAINLESS STEEL PIN HINGE
15. COIN LATCH
16. HASP FOR PADLOCK
17. METER SOCKET KIT ASS'Y.
18. MAIN BREAKER(S)
19. NEUTRAL BAR
20. GROUND BAR
21. PANEL BOARD INTERIOR
22. ALTERNATE CONTACTOR LOCATION
23. CABLE OPENING

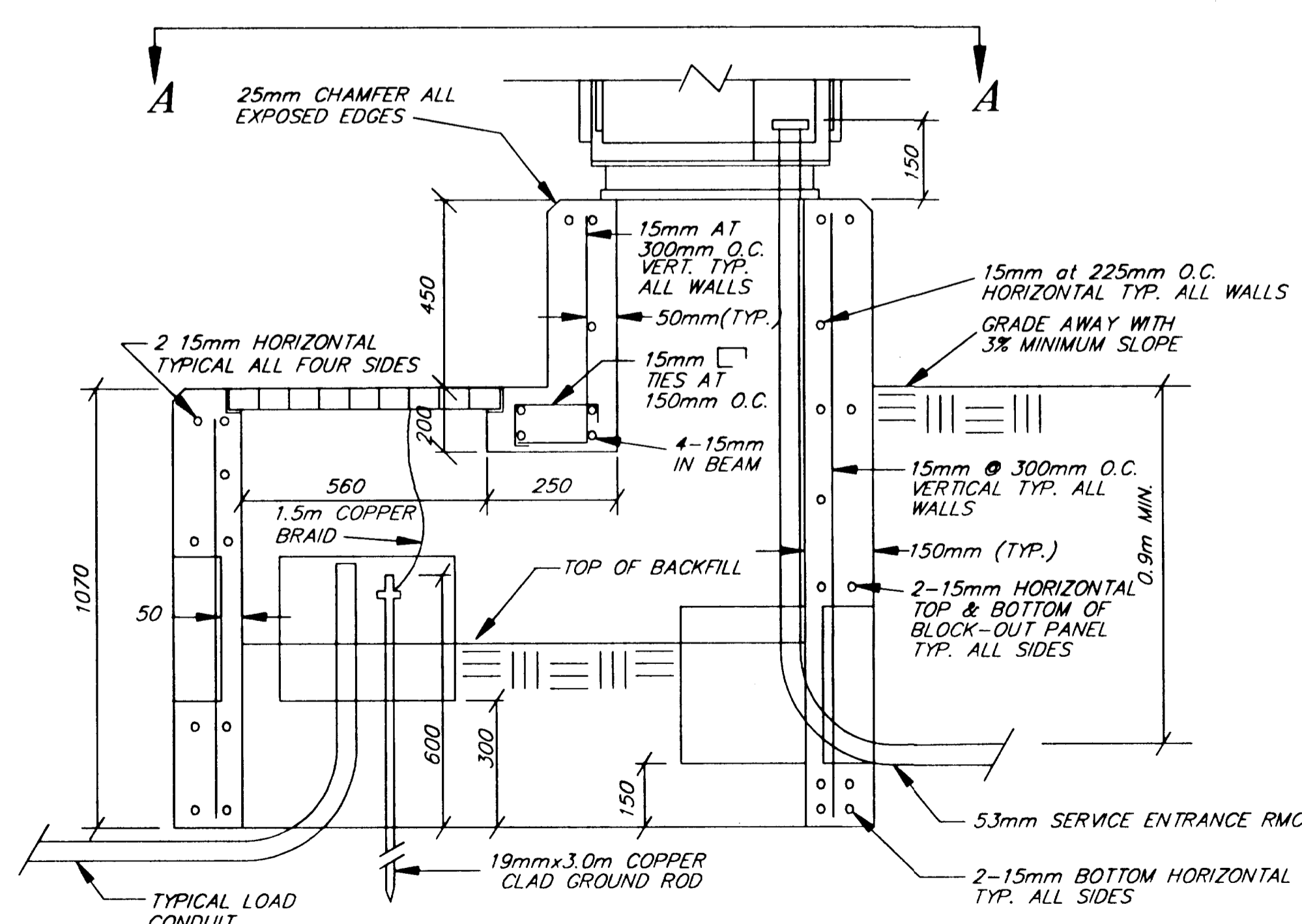


MOUNTING BASE

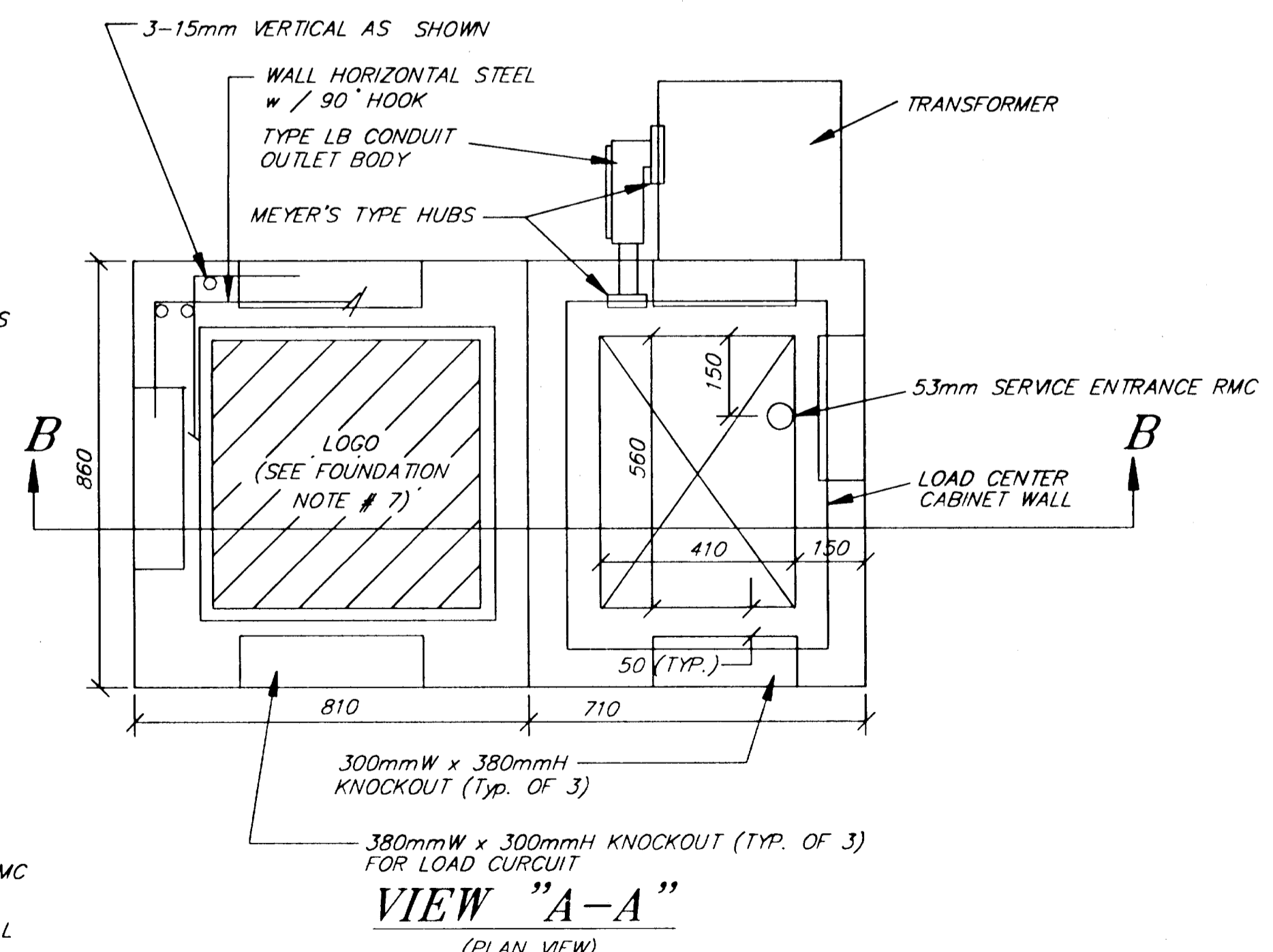
TYPE 1 LOAD CENTER CABINET SECTION / ELEVATION

FOUNDATION & LOCATION NOTES:

1. INSTALL THE BASE SO THE CAST IRON COVER IS FLUSH WITH THE PAVEMENT, SIDEWALK, OR FINISHED GRADE. GRADE AWAY FROM THE BASE WITH A MINIMUM SLOPE OF 3%. USE A PRE-MOULDDED BITUMINOUS JOINT BETWEEN THE BASE AND CONCRETE SIDEWALK OR PAVING.
2. EXCAVATE 1525 mm BELOW FINISH GRADE FOR THE BASE AND INSTALL A DRAIN CONSISTING OF 450 mm OF COARSE CONCRETE AGGREGATE AS APPROVED BY THE ENGINEER. BACK-FILL AROUND THE BASE IN 150 mm LIFTS WITH SELECTED MATERIAL TYPE "A".
3. BACKFILL INSIDE THE FOUNDATION TO WITHIN 610 mm OF THE LID AFTER ALL OF THE CONDUITS ARE INSTALLED, USING COARSE AGGREGATE. TERMINATE THE ENDS OF ALL LOAD CONDUITS A MINIMUM OF 150 mm ABOVE THE COARSE CONCRETE AGGREGATE SURFACE AND A MINIMUM OF 300 mm BELOW THE LID.
4. PROVIDE ANCHOR BOLTS OR EXPANSION ANCHORS IN THE BASE FOR MOUNTING THE CABINET PER THE MANUFACTURER'S SHOP DRAWINGS. ANCHOR BOLTS, NUTS AND WASHERS SHALL CONFORM TO EITHER ASTM A307 OR A449 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153.
5. USE GRADE 60 REINFORCING STEEL CONFORMING TO ASTM A615.
6. USE CLASS "A" CONCRETE CONFORMING TO SECTION 501 OF THE SPECIFICATIONS.
7. FINISH THE BASE ACCESS OPENING WITH A 501 mm SQUARE IRON FRAME AND COVER, WEIGHING APPROXIMATELY 127KG. PROVIDE COVERS INSCRIBED WITH THE LEGEND "LIGHTING" FOR THOSE LOAD CENTERS WITH STREET LIGHTING CIRCUITS ONLY, AND "TRAFFIC" FOR THOSE LOAD CENTERS WITH A TRAFFIC SIGNAL CIRCUIT.
8. THE BASE MAY BE PRECAST. IF IT IS PRECAST, INSTALL 4 EACH 19 mm FERRULE LOOP INSERTS FOR LIFTING, TWO ON EACH LONG SIDE.



SECTION "B-B"



VIEW "A-A"
(PLAN VIEW)

TYPE 1 LOAD CENTER BASE

NOTE: STOP HORIZONTAL & VERTICAL STEEL AT BLOCK-OUT PANELS & OPTIONAL JOINT USING HOOK. INSTALL 2 EXTRA 15mm HORIZONTAL & VERTICAL BARS ON ALL SIDES OF EACH KNOCKOUT.

JNU-GLACIER HIGHWAY/ANKA STREET
INTERSECTION IMPROVEMENT
TYPE I LOAD CENTER DETAILS

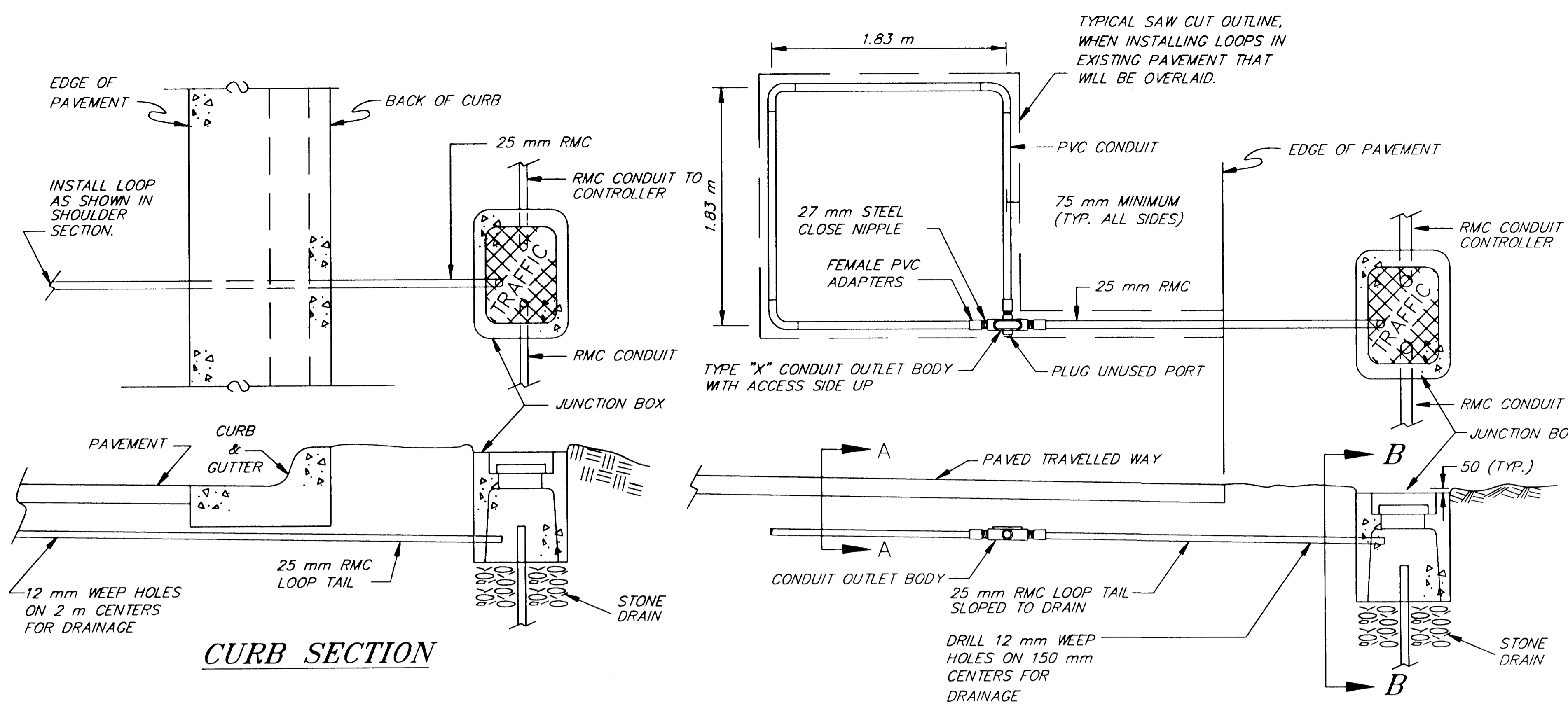


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST
REGION

SHEET NUMBER	TOTAL SHEETS	
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STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
APPENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
M.L.	K.K.	K.M.
ELECTRONIC PATHWAY:		
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EDTIME		
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STANDARDS:		
SPECIFICATIONS:		

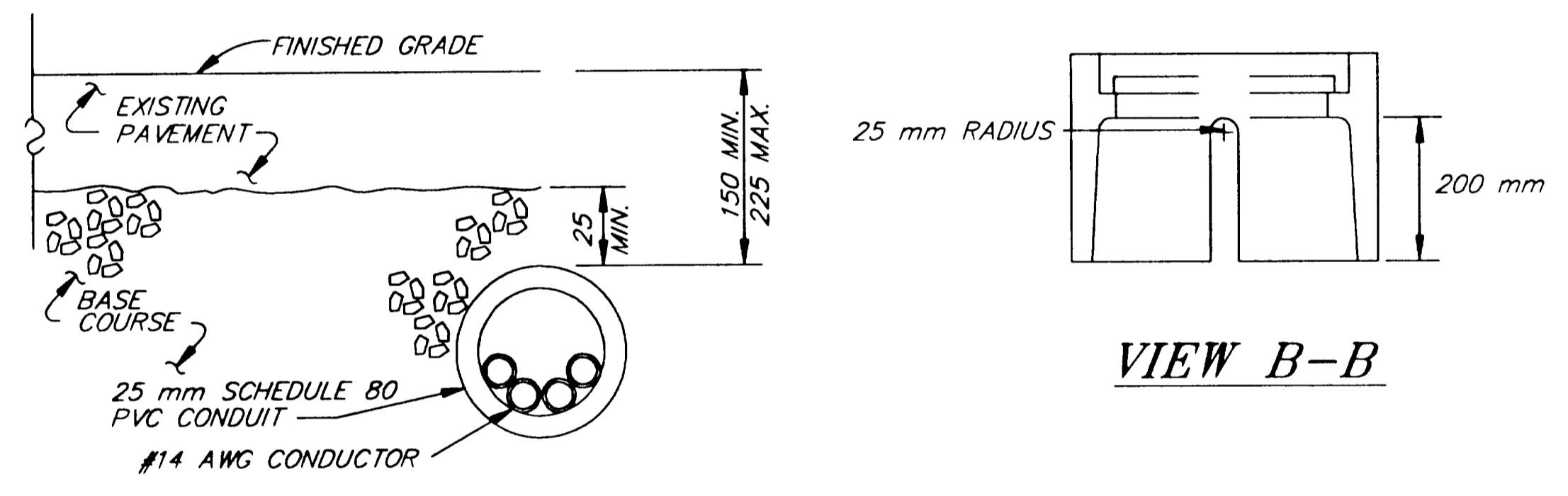
NOTES

- EACH LOOP DETECTOR SHALL CONSIST OF A SINGLE PIECE OF #14 AWG CONDUCTOR INSTALLED IN 25 mm SCHEDULE 80 PVC CONDUIT. FORM ALL LOOPS 1.83 m METERS SQUARE, SOLVENT WELD ALL PVC TO PVC JOINTS. USE TYPE X OUTLET BODIES THAT ARE MADE OF HOT DIP GALVANIZED STEEL TO JOIN THE LOOPS AND TAILS.
- INSTALL 4 TURNS OF CONDUCTOR IN ALL LOOPS AND PROVIDE TAILS THAT EXTEND TO THE JUNCTION BOX SPECIFIED ON THE PLANS. USE #14 AWG CONDUCTOR IN A POLYETHYLENE TUBE CONFORMING TO IMSA SPECIFICATION 51-5. WIND THE TAIL CONDUCTORS TOGETHER AT A RATE OF 10 TWISTS PER METER.
- INSTALL ALL LOOP DETECTORS PRIOR TO OVERLAYING EXISTING PAVEMENT OR PAVING A NEW ROADWAY.
- INSTALL ALL LOOP DETECTORS SLOPED TO DRAIN INTO THE JUNCTION BOX THE LOOP TAIL ENTERS.
- NO MINIMUM CLEARANCE IS REQUIRED BETWEEN A LOOP AND A TAIL OR BETWEEN TAILS. LOOP TAILS SHALL NOT CROSS LOOP CONDUITS.
- TEST ALL LOOP DETECTORS FOR CONTINUITY AND INSULATION INTEGRITY PRIOR TO SEALING THE LOOPS UNDER ASPHALT.
- WHEN INSTALLING LOOP DETECTORS IN EXISTING PAVEMENT, CUT THE ASPHALT WITH A SAW AND REMOVE ALL ASPHALT WITHIN THE SAW CUT. MATCH EXISTING PAVEMENT THICKNESS WHEN REPAIRING THE CUTOUT.
- WHERE EXISTING PAVEMENT WILL NOT BE OVERLAID, ENCLOSE ALL LOOPS THAT ENTER A COMMON JUNCTION BOX WITHIN A TRAPEZOIDAL SAW CUT. CUT TO WITHIN 300 mm OF THE LANE AND EDGE LINES, PRESERVING THESE PAVEMENT MARKINGS; REMOVE THE ASPHALT TO THE LIP OF THE GUTTER WHEN THERE ARE NO EDGE LINES. CUT ACROSS LANE LINES WHEN LOOPS IN ADJACENT LANES ARE SIDE BY SIDE. CUT TRENCHES A MINIMUM OF 1 METER WIDE WHEN INSTALLING LOOP TAILS ACROSS A LANE; TRENCHES CROSSING A SHOULDER ONLY MAY BE A MINIMUM 300 mm WIDE.
- HEAT AND TACK COAT THE EDGES OF EXISTING PAVEMENT PRIOR TO PAVING THE CUTOUTS. COMPACT THE ASPHALT MIXTURE WITH A SELF PROPELLED STEEL WHEELED ROLLER. THE ASPHALT MIX SHALL CONFORM TO SECTION 401 OF THE SPECIFICATIONS, AND APPROVED FOR USE BY THE ENGINEER.
- MAINTAIN THE REPLACEMENT ASPHALT MIX AT A TEMPERATURE OF 108° C UNTIL THE TIME OF APPLICATION; IF NECESSARY, STORE THE MIX IN AN INSULATED BOX TO MAINTAIN THE SPECIFIED TEMPERATURE.
- ALL WORK ASSOCIATED WITH INSTALLING LOOP DETECTORS IS CONSIDERED PART OF THE TRAFFIC SIGNAL ITEM AND WILL NOT BE MEASURED SEPARATELY OR PAID FOR DIRECTLY. THIS WORK INCLUDES BUT IS NOT LIMITED TO: LOOP MATERIALS, JUNCTION BOXES, CONDUIT, LOOP LEAD IN CABLE, TESTING, SPLICING, CONDUCTOR LABELING AND SAW CUTTING. ASPHALT REMOVAL AND INSTALLATION OF NEW ASPHALT SHALL BE PAID UNDER THEIR RESPECTIVE PAY ITEMS.
- TO ESTABLISH THE REFERENCE LINES, EXTEND THE RIGHT EDGES OF THE OUTERMOST THROUGH LANES ACROSS THE INTERSECTION. IF THE ROADWAY GEOMETRY IS CURVED, EXTEND THE CURVE THROUGH THE INTERSECTION.



CURB SECTION

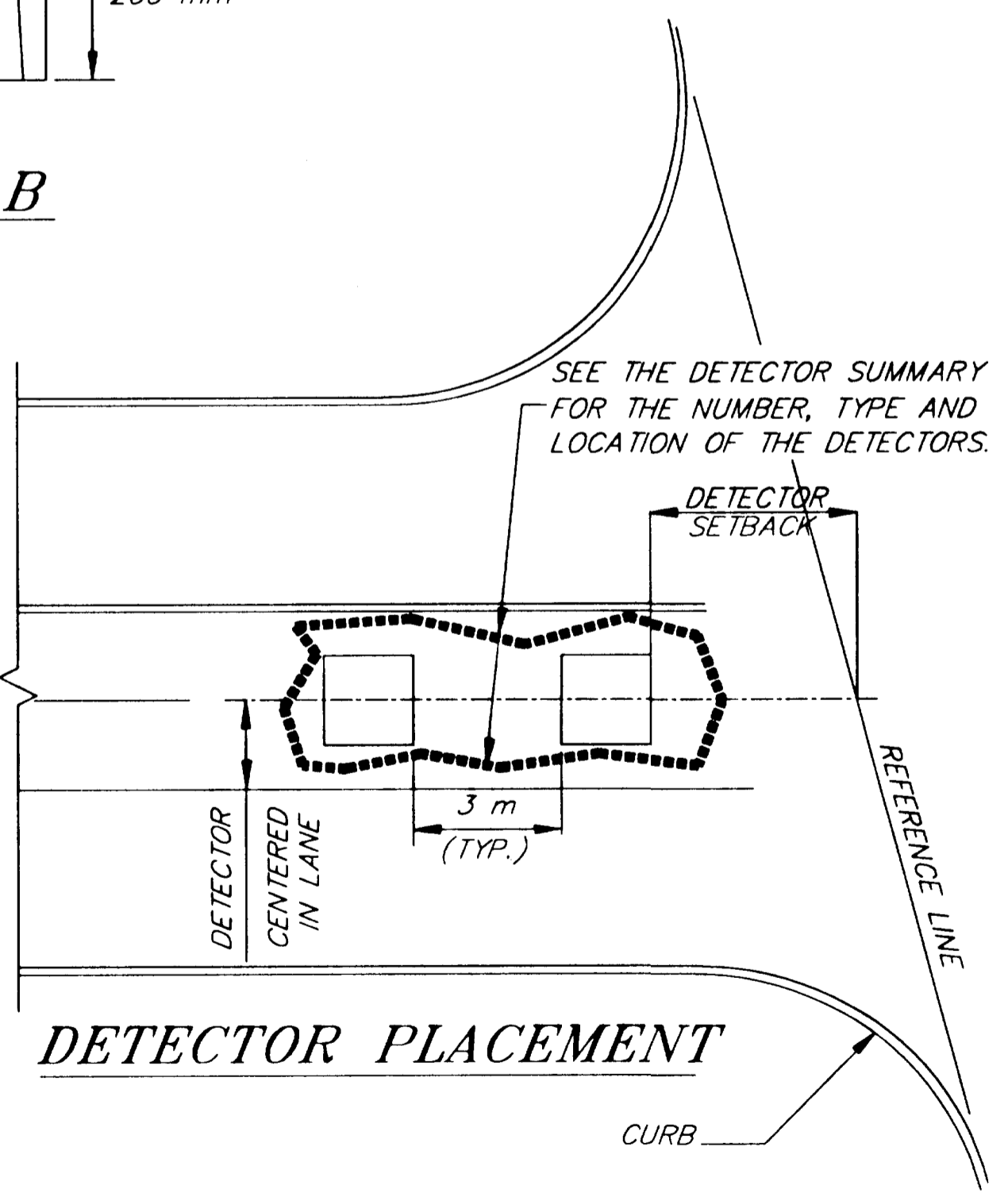
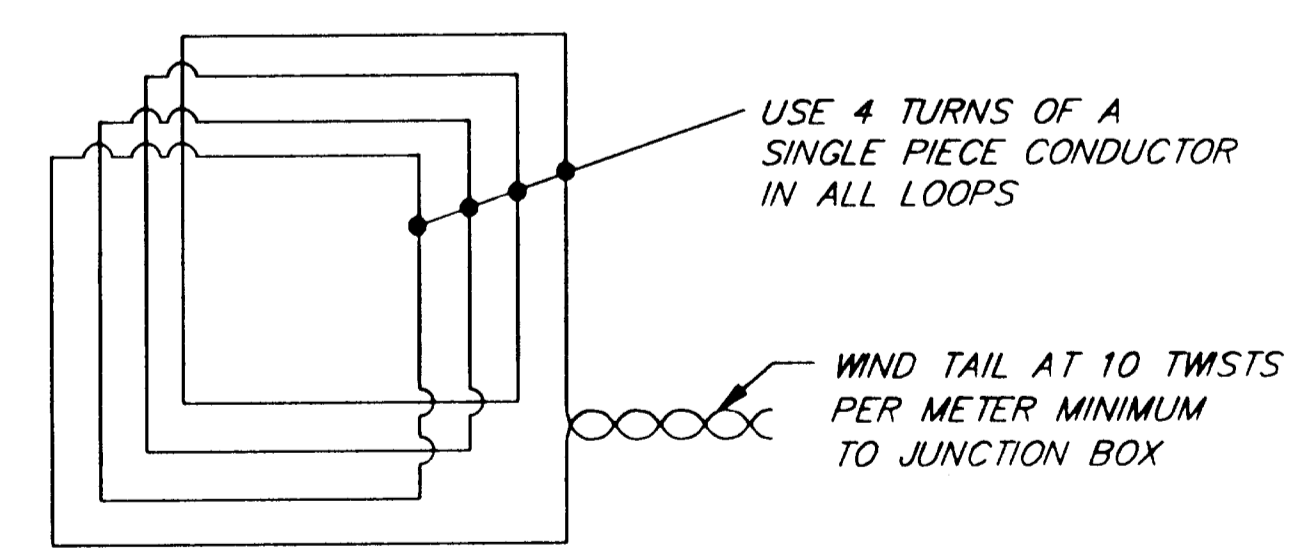
SHOULDER SECTION



SECTION A-A

VIEW B-B

**LOOP WIRING DETAIL
TYPICAL PVC CONDUIT ENCASED
LOOP DETECTOR INSTALLATION**



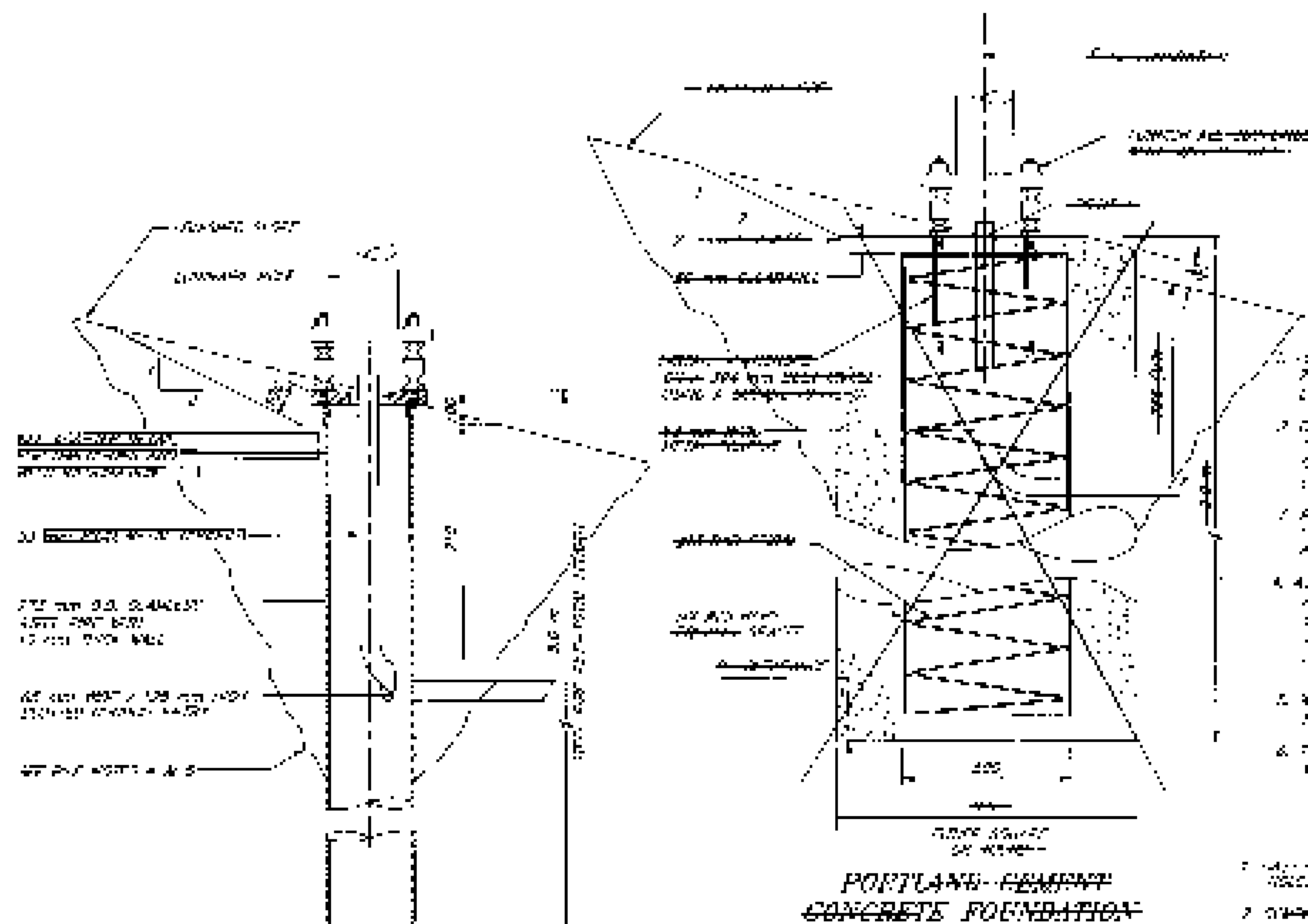
DETECTOR PLACEMENT

JNU - GLACIER HIGHWAY/ANKA STREET
INTERSECTION IMPROVEMENTS
MISCELLANEOUS DETAILS



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST
REGION

SHEET NUMBER	TOTAL SHEETS		
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AREA	200		
AREA	200		
REVISIONS			
NO.	DATE	BY	REVISION



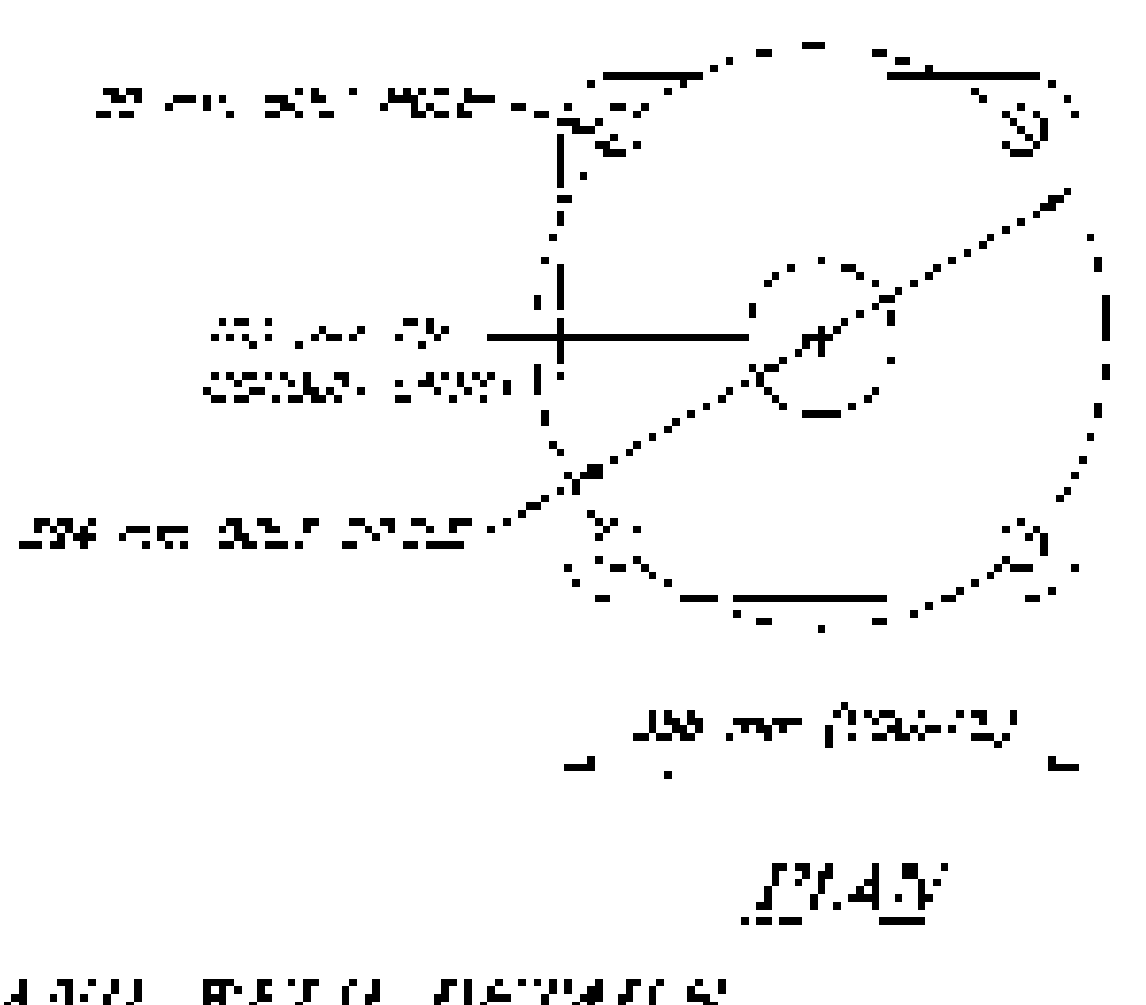
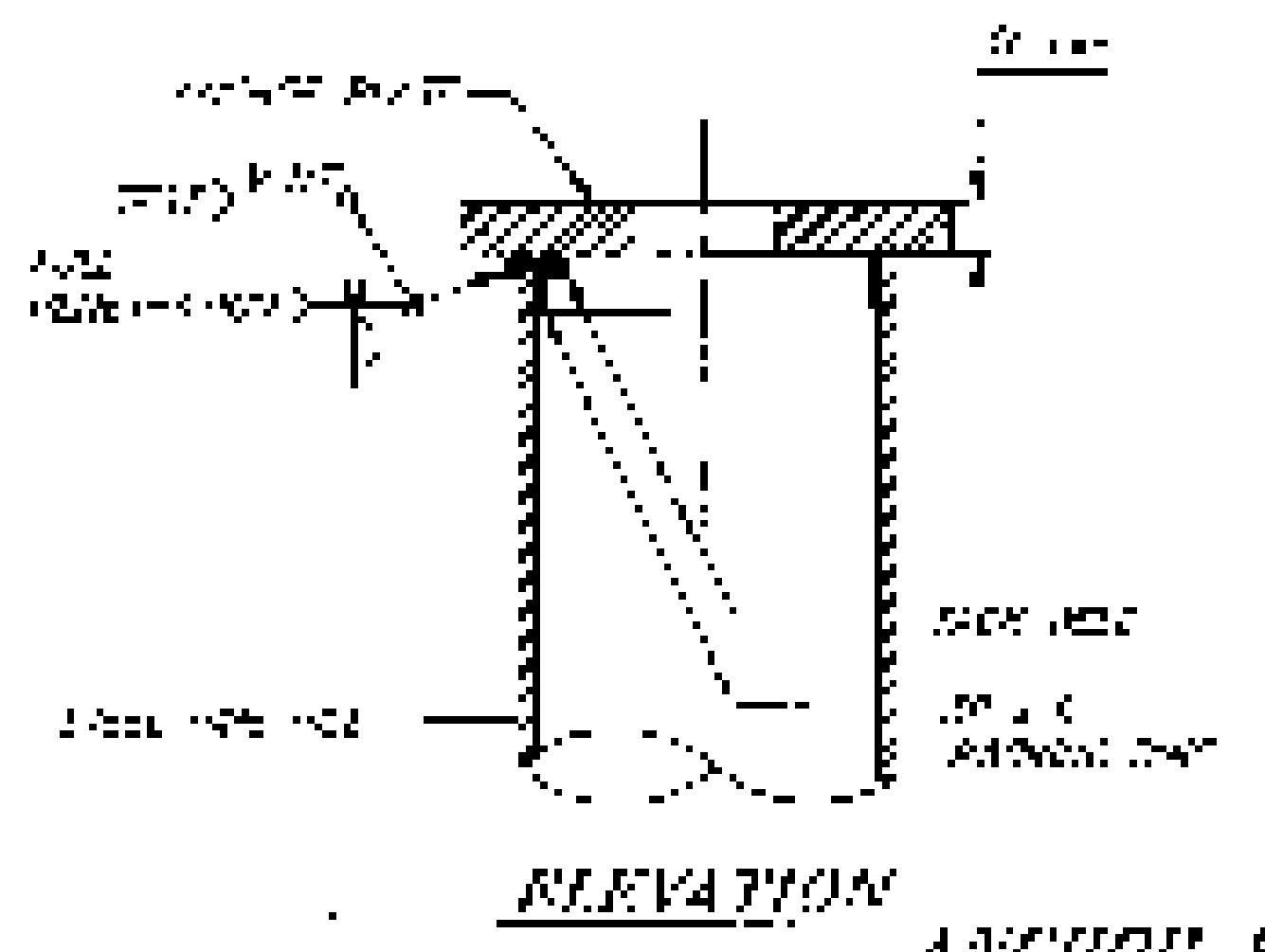
PILE FOUNDATION NOTES:

1. ALL PILES SHALL BE DRIVEN TO THE REQUIRED DEPTH BY THE CONTRACTOR AND SHALL BE PROTECTED AGAINST DAMAGE BY THE DRIVING PROCESS.
2. THE PILES SHALL BE DRIVEN TO THE REQUIRED DEPTH BY THE CONTRACTOR AND SHALL BE PROTECTED AGAINST DAMAGE BY THE DRIVING PROCESS.
3. ALL PILES SHALL BE DRIVEN TO THE REQUIRED DEPTH BY THE CONTRACTOR AND SHALL BE PROTECTED AGAINST DAMAGE BY THE DRIVING PROCESS.
4. AT EACH CONNECTION BETWEEN A PILE AND ANOTHER PILE, THE PILES SHALL BE DRIVEN TO THE REQUIRED DEPTH BY THE CONTRACTOR AND SHALL BE PROTECTED AGAINST DAMAGE BY THE DRIVING PROCESS.
5. THE PILES SHALL BE DRIVEN TO THE REQUIRED DEPTH BY THE CONTRACTOR AND SHALL BE PROTECTED AGAINST DAMAGE BY THE DRIVING PROCESS.
6. THE PILES SHALL BE DRIVEN TO THE REQUIRED DEPTH BY THE CONTRACTOR AND SHALL BE PROTECTED AGAINST DAMAGE BY THE DRIVING PROCESS.

CONCRETE FOUNDATION NOTES

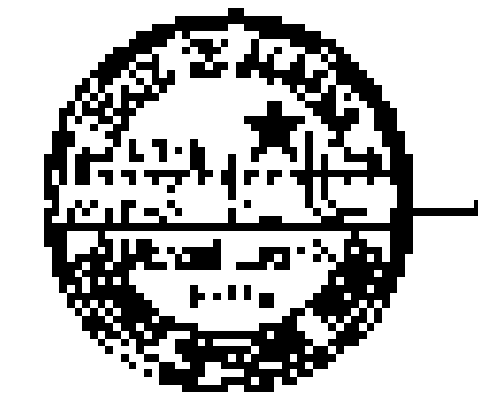
1. ALL CONCRETE SHALL BE PLACED AND COMPACTED AS SHOWN ON THE DRAWING.
2. THE CONCRETE SHALL BE PLACED AND COMPACTED AS SHOWN ON THE DRAWING.
3. ALL CONCRETE SHALL BE PLACED AND COMPACTED AS SHOWN ON THE DRAWING.
4. THE CONCRETE SHALL BE PLACED AND COMPACTED AS SHOWN ON THE DRAWING.
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7. ALL CONCRETE SHALL BE PLACED AND COMPACTED AS SHOWN ON THE DRAWING.
8. THE CONCRETE SHALL BE PLACED AND COMPACTED AS SHOWN ON THE DRAWING.
9. ALL CONCRETE SHALL BE PLACED AND COMPACTED AS SHOWN ON THE DRAWING.
10. THE CONCRETE SHALL BE PLACED AND COMPACTED AS SHOWN ON THE DRAWING.

PIPE PILE FOUNDATION WITH FRANGIBLE COUPLINGS



ANCHOR PLATE AND REIN DETAIL

JACOBI ENGINEERING COMPANY
 1000 MARKET STREET
 PHILADELPHIA, PA. 19104
 CIVIL ENGINEERS

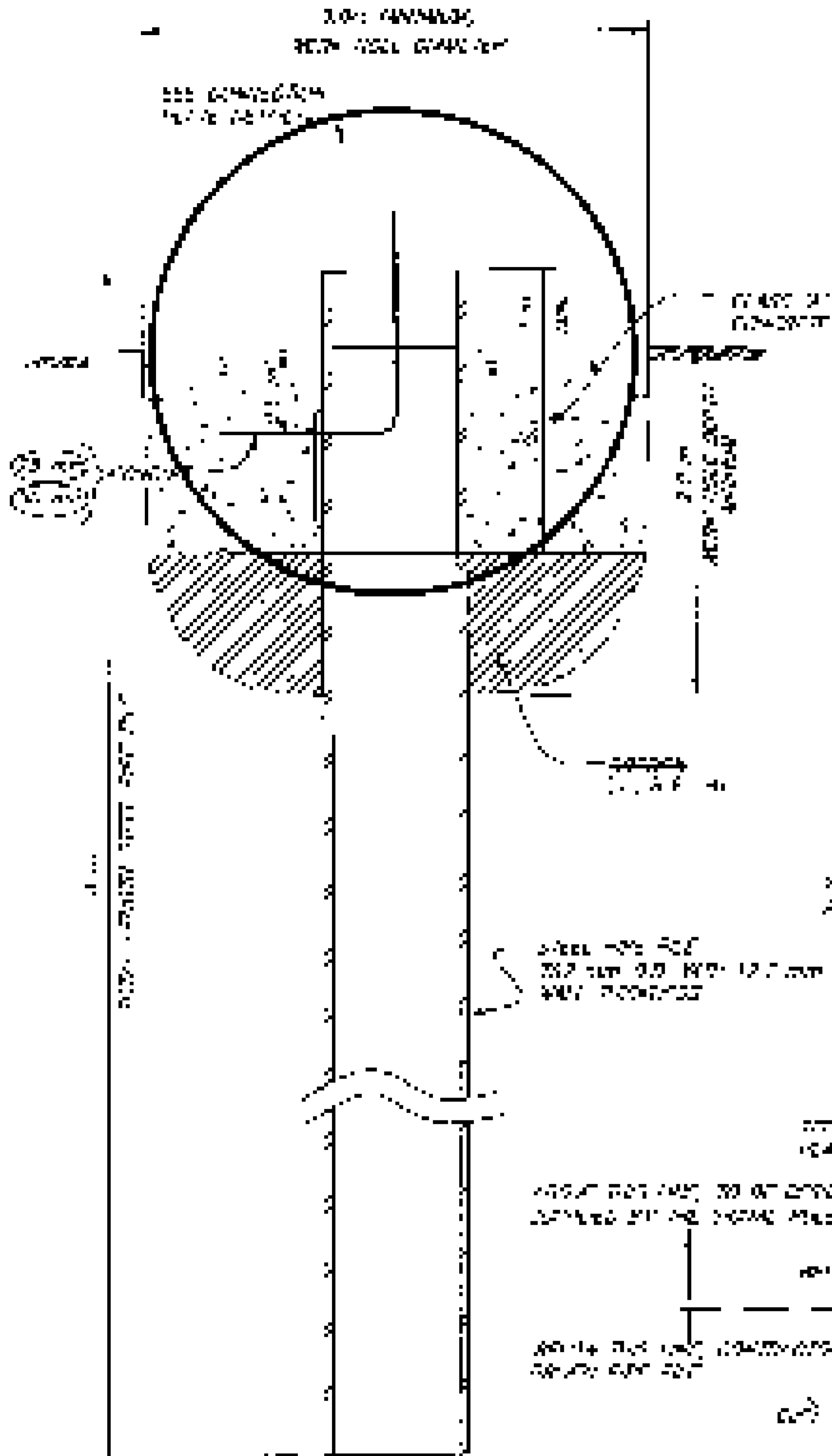


STATE OF PENNSYLVANIA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC SAFETY
 BRIDGE DIVISION
 PHILADELPHIA, PA.

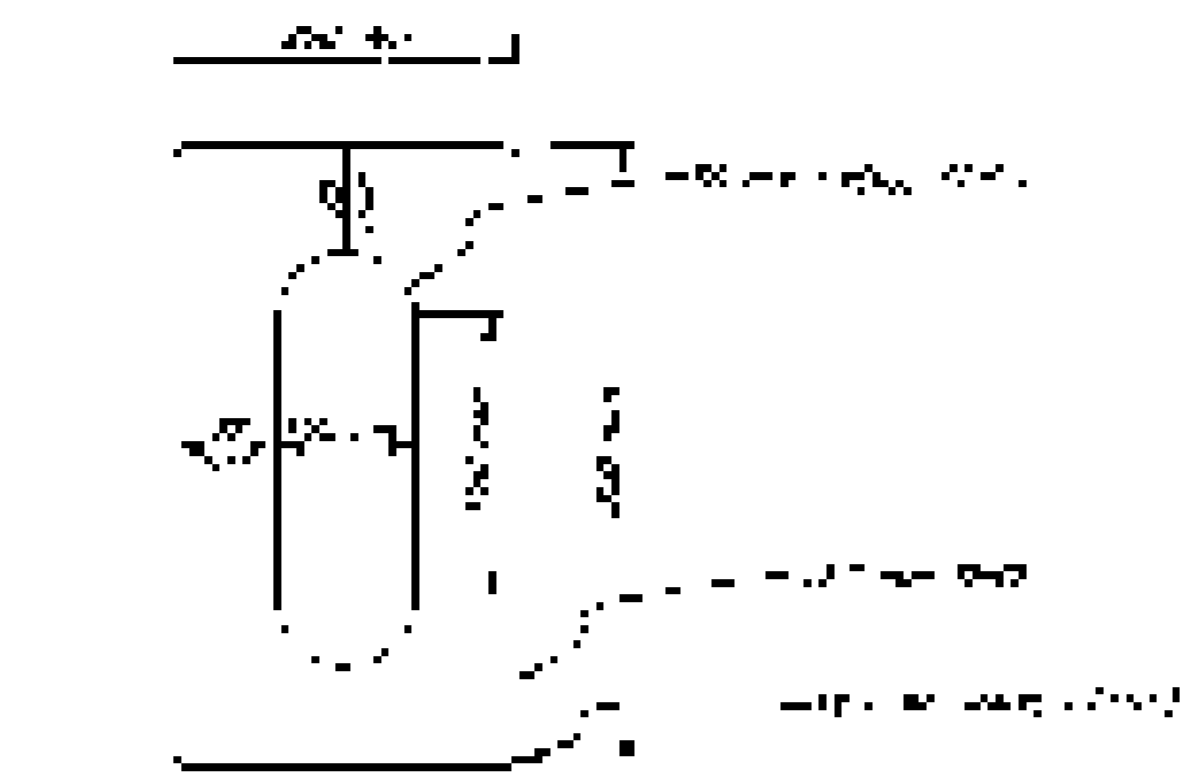
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SCALE	1/4" = 1'-0"
PROJECT	...
DESIGNER	...
CHECKED BY	...
APPROVED BY	...

GENERAL NOTES

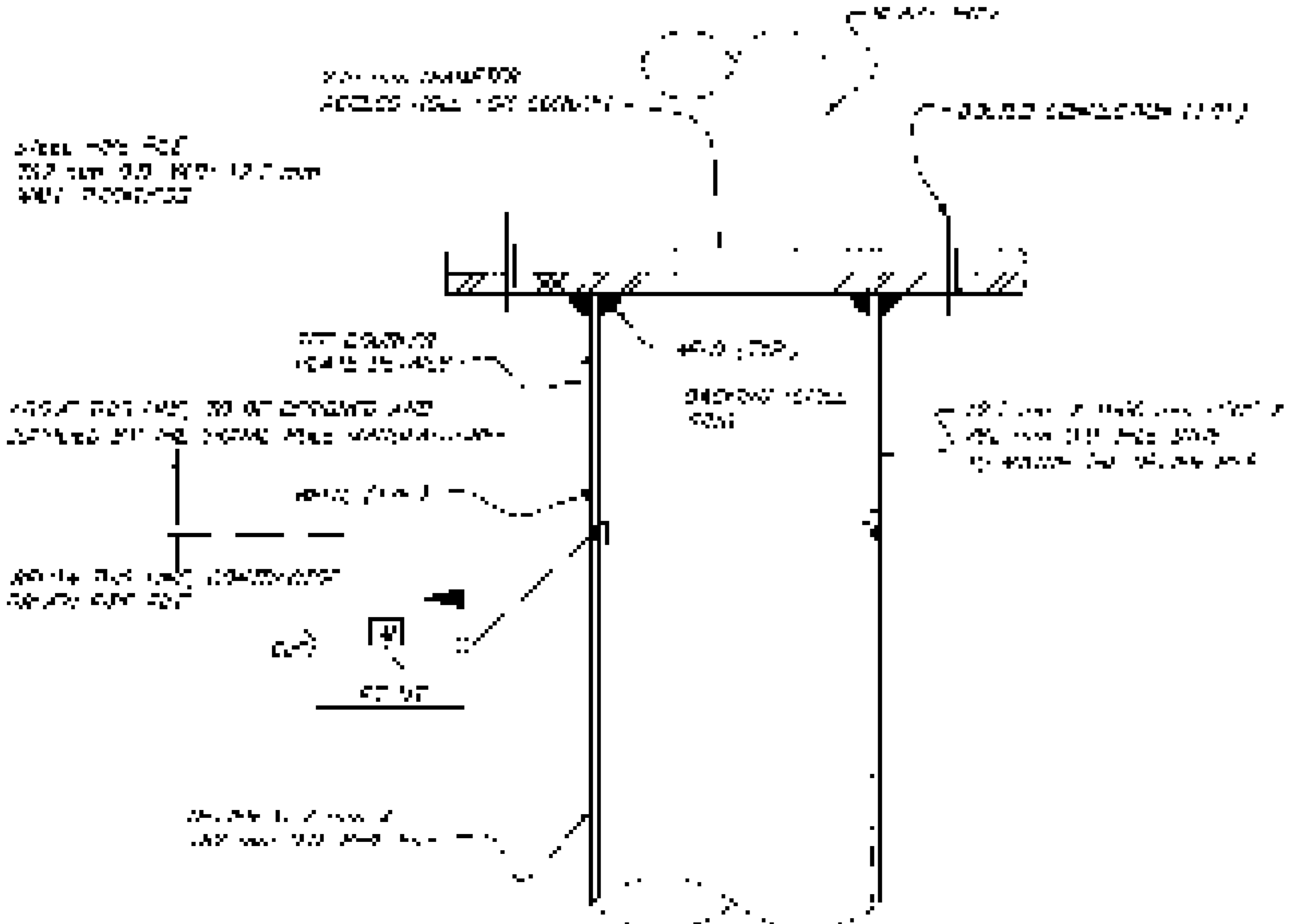
- 1. ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN FEET AND INCHES.
- 2. ALL MATERIALS SHALL BE AS SPECIFIED IN THE SPECIFICATIONS.
- 3. ALL CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH THE AISC CODE OF PRACTICE.
- 4. ALL SURFACES SHALL BE PROTECTED AGAINST CORROSION.



ELEVATION



DOUBLE PLATE DETAIL



CONNECTION PLATE DETAIL

1. THE CONNECTION SHALL BE MADE IN ACCORDANCE WITH THE AISC CODE OF PRACTICE.
2. THE CONNECTION SHALL BE MADE IN ACCORDANCE WITH THE AISC CODE OF PRACTICE.
3. THE CONNECTION SHALL BE MADE IN ACCORDANCE WITH THE AISC CODE OF PRACTICE.
4. THE CONNECTION SHALL BE MADE IN ACCORDANCE WITH THE AISC CODE OF PRACTICE.
5. THE CONNECTION SHALL BE MADE IN ACCORDANCE WITH THE AISC CODE OF PRACTICE.
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7. THE CONNECTION SHALL BE MADE IN ACCORDANCE WITH THE AISC CODE OF PRACTICE.
8. THE CONNECTION SHALL BE MADE IN ACCORDANCE WITH THE AISC CODE OF PRACTICE.
9. THE CONNECTION SHALL BE MADE IN ACCORDANCE WITH THE AISC CODE OF PRACTICE.
10. THE CONNECTION SHALL BE MADE IN ACCORDANCE WITH THE AISC CODE OF PRACTICE.

DATE: 1968
 DRAWN BY: [Name]

GUYTON-CLACIER HIGHWAY/ANNA AVENUE
 INTERSECTION IMPROVEMENTS
 SIGNAL POLE PILE FOUNDATION



STATE OF CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 DIVISION OF HIGHWAYS
 SACRAMENTO, CALIFORNIA

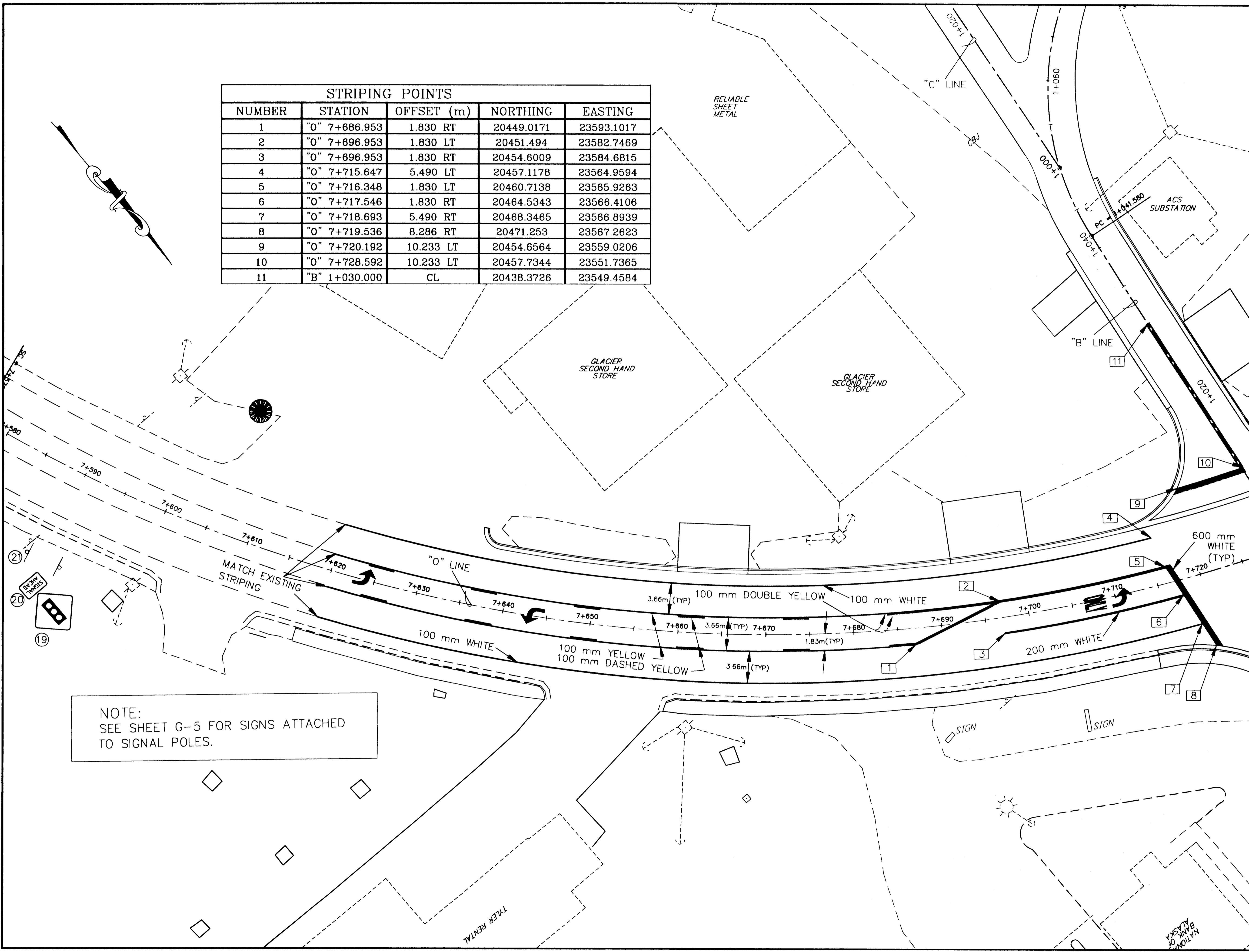
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1	"O" 7+686.953	1.830 RT	20449.0171	23593.1017
2	"O" 7+696.953	1.830 LT	20451.494	23582.7469
3	"O" 7+696.953	1.830 RT	20454.6009	23584.6815
4	"O" 7+715.647	5.490 LT	20457.1178	23564.9594
5	"O" 7+716.348	1.830 LT	20460.7138	23565.9263
6	"O" 7+717.546	1.830 RT	20464.5343	23566.4106
7	"O" 7+718.693	5.490 RT	20468.3465	23566.8939
8	"O" 7+719.536	8.286 RT	20471.253	23567.2623
9	"O" 7+720.192	10.233 LT	20454.6564	23559.0206
10	"O" 7+728.592	10.233 LT	20457.7344	23551.7365
11	"B" 1+030.000	CL	20438.3726	23549.4584

SHEET NUMBER	H-1		TOTAL SHEETS	6
STATE	ALASKA		YEAR	2001
PROJECT DESIGNATION NUMBERS				
67898	CA-0955(11)			
ADDENDUM NUMBER				
ATTACHMENT NUMBER				
DESIGNED BY:	DRAWN BY:	CHECKED BY:		
K.M.	K.K.	M.L.		
ELECTRONIC PATHWAY:				
Q:\Jnu\67898\Dr\STRIPINGA.dwg				
EDTIME				
Bert Wed, 20/Jun/01 01:33PM				
STANDARDS:				
SPECIFICATIONS:				

**JNU-GLACIER HIGHWAY/ANKA STREET
 INTERSECTION IMPROVEMENTS
 SIGNING AND STRIPING**



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
 SOUTHEAST
 REGION



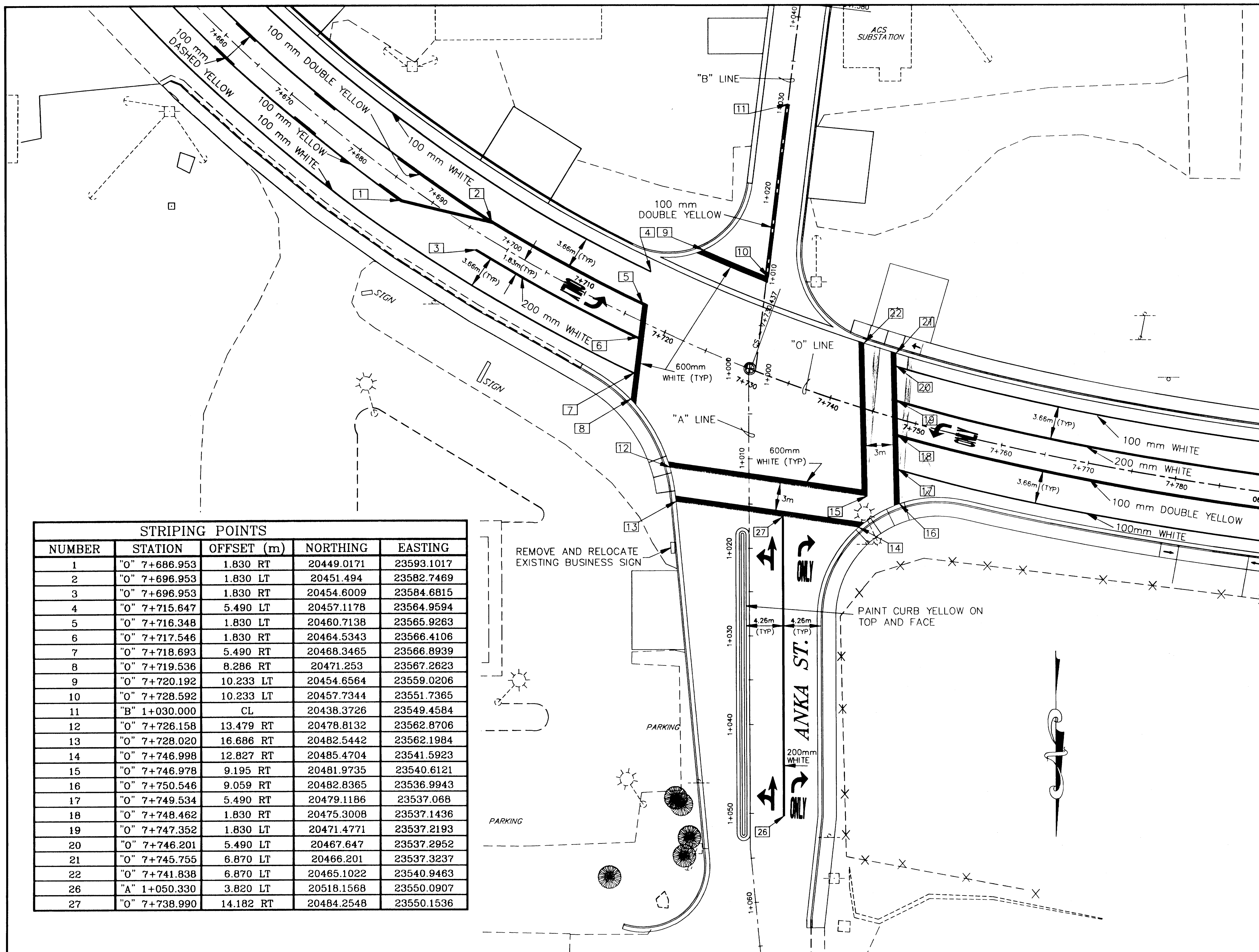
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 SEE SHEET G-5 FOR SIGNS ATTACHED
 TO SIGNAL POLES.

SHEET NUMBER	TOTAL SHEETS	
H-2	6	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
APPENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
K.M.	K.K.	M.L.
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EDTIME		
Bert Wed, 20/Jun/01 03:26PM		
STANDARDS:		
SPECIFICATIONS:		

**JNU-GLACIER HIGHWAY/ANKA STREET
INTERSECTION IMPROVEMENTS
SIGNING AND STRIPING**



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST
REGION



STRIPING POINTS				
NUMBER	STATION	OFFSET (m)	NORTHING	EASTING
1	"0" 7+686.953	1.830 RT	20449.0171	23593.1017
2	"0" 7+696.953	1.830 LT	20451.494	23582.7469
3	"0" 7+696.953	1.830 RT	20454.6009	23584.6815
4	"0" 7+715.647	5.490 LT	20457.1178	23564.9594
5	"0" 7+716.348	1.830 LT	20460.7138	23565.9263
6	"0" 7+717.546	1.830 RT	20464.5343	23566.4106
7	"0" 7+718.693	5.490 RT	20468.3465	23566.8939
8	"0" 7+719.536	8.286 RT	20471.253	23567.2623
9	"0" 7+720.192	10.233 LT	20454.6564	23559.0206
10	"0" 7+728.592	10.233 LT	20457.7344	23551.7365
11	"B" 1+030.000	CL	20438.3726	23549.4584
12	"0" 7+726.158	13.479 RT	20478.8132	23562.8706
13	"0" 7+728.020	16.686 RT	20482.5442	23562.1984
14	"0" 7+746.998	12.827 RT	20485.4704	23541.5923
15	"0" 7+746.978	9.195 RT	20481.9735	23540.6121
16	"0" 7+750.546	9.059 RT	20482.8365	23536.9943
17	"0" 7+749.534	5.490 RT	20479.1186	23537.068
18	"0" 7+748.462	1.830 RT	20475.3008	23537.1436
19	"0" 7+747.352	1.830 LT	20471.4771	23537.2193
20	"0" 7+746.201	5.490 LT	20467.647	23537.2952
21	"0" 7+745.755	6.870 LT	20466.201	23537.3237
22	"0" 7+741.838	6.870 LT	20465.1022	23540.9463
26	"A" 1+050.330	3.820 LT	20518.1568	23550.0907
27	"0" 7+738.990	14.182 RT	20484.2548	23550.1536

SHEET NUMBER	TOTAL SHEETS
H-3	6
STATE	YEAR
ALASKA	2001
PROJECT DESIGNATION NUMBERS	
67898	CA-0955(11)
ADDENDUM NUMBER	
ATTACHMENT NUMBER	

DESIGNED BY:	DRAWN BY:	CHECKED BY:
K.M.	K.K.	M.L.

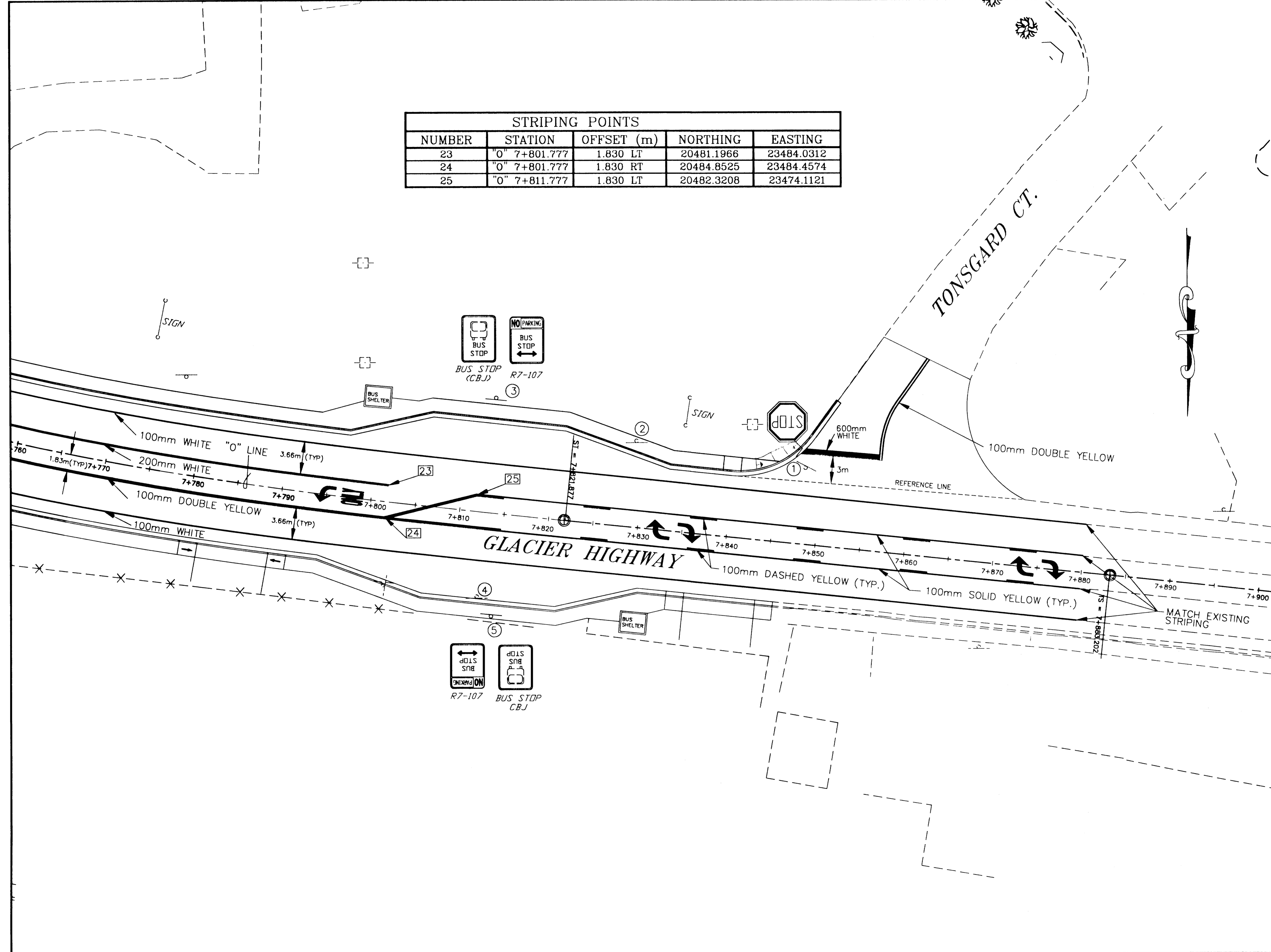
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EDTIME
Bert Wed, 20/Jun/01 01:37PM

STANDARDS:

SPECIFICATIONS:

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25	"0" 7+811.777	1.830 LT	20482.3208	23474.1121

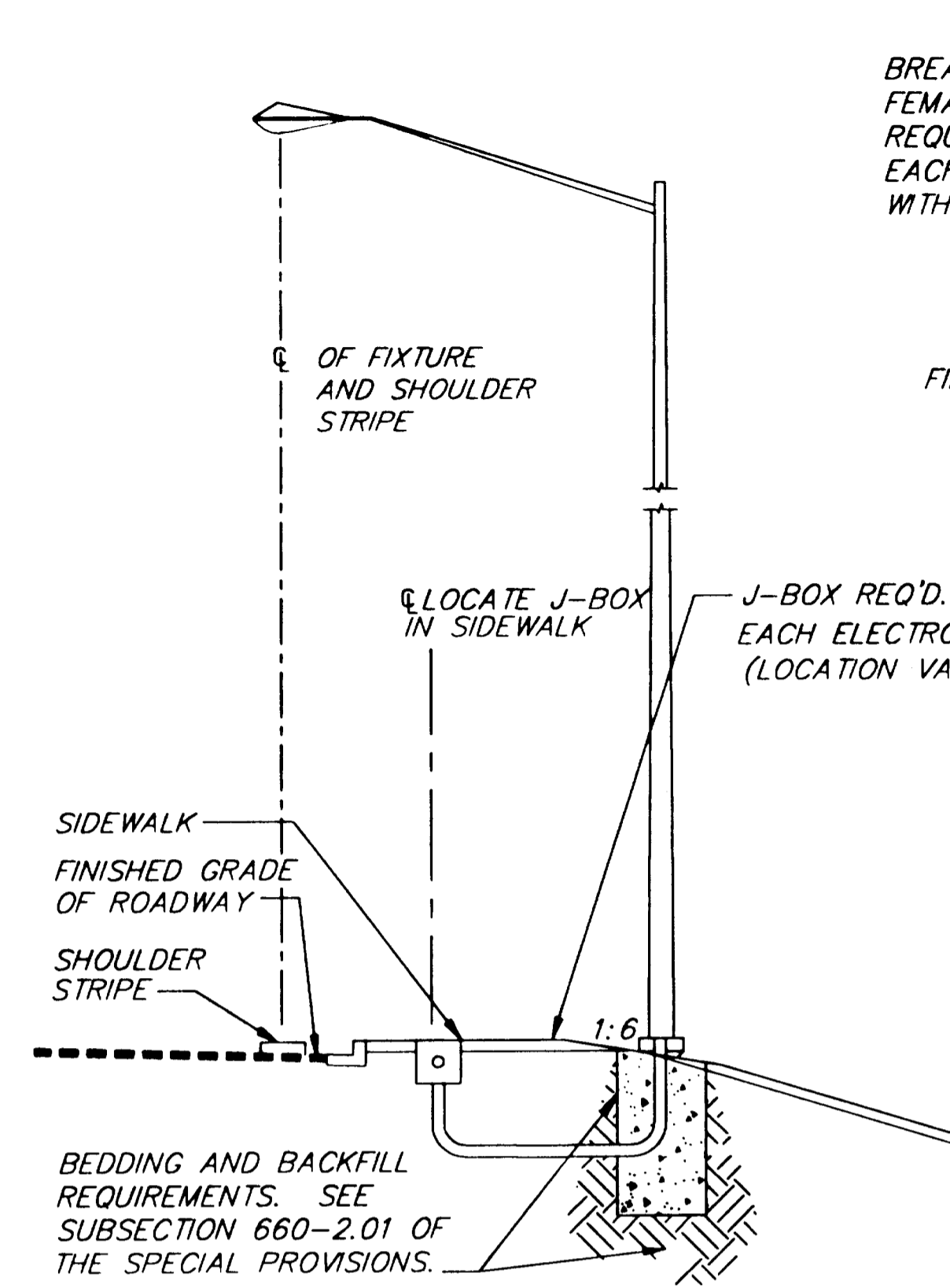


**JNU-GLACIER HIGHWAY/ANKA STREET
INTERSECTION IMPROVEMENTS
SIGNING AND STRIPING**

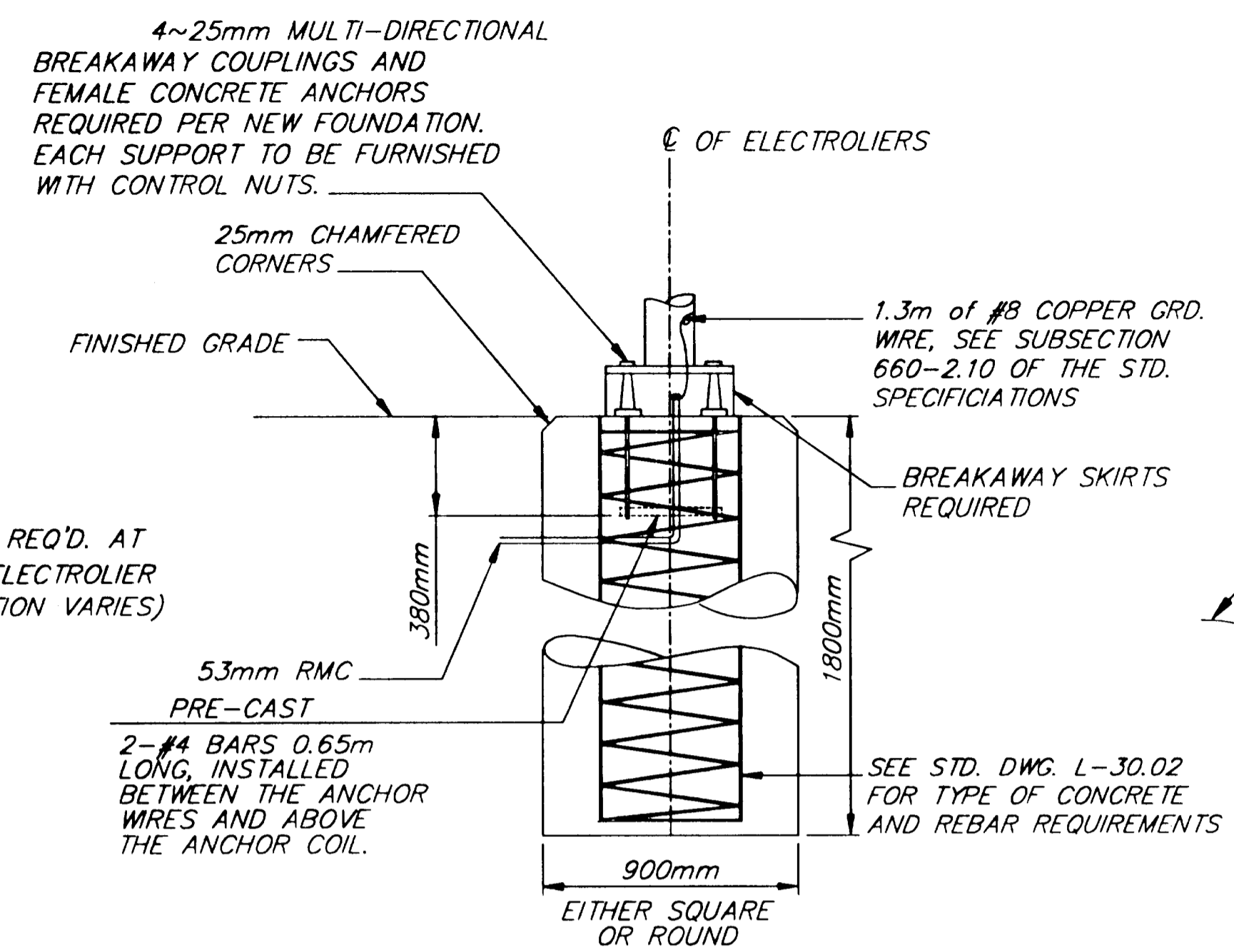


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST
REGION

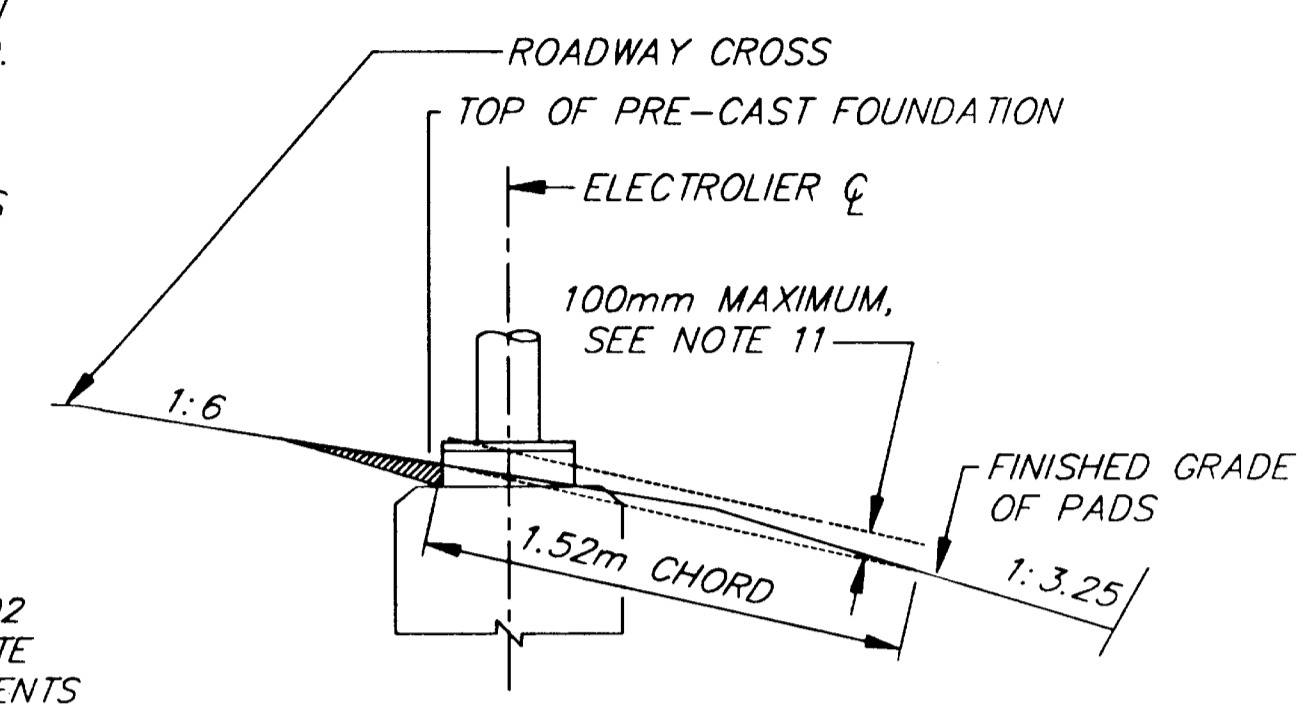
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STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
M.L.	K.K.	K.M.
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EDTIME Wed, 20/Jun/01 01:43PM		
Bert		
STANDARDS:		
SPECIFICATIONS:		



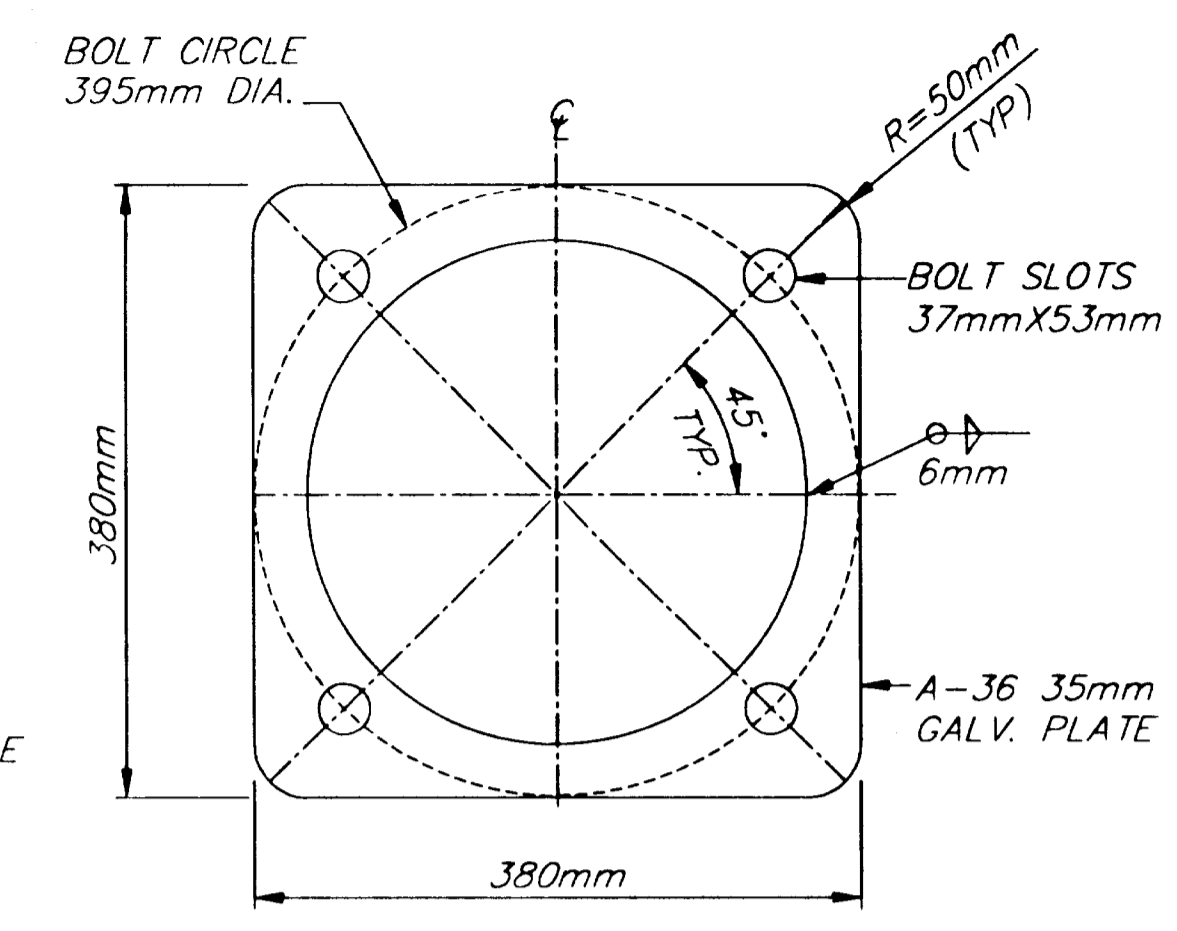
TYPICAL SECTION FOR ELECTROLIER



FOUNDATION WITH BREAKAWAY COUPLINGS



FOUNDATION INSTALLATION DETAIL

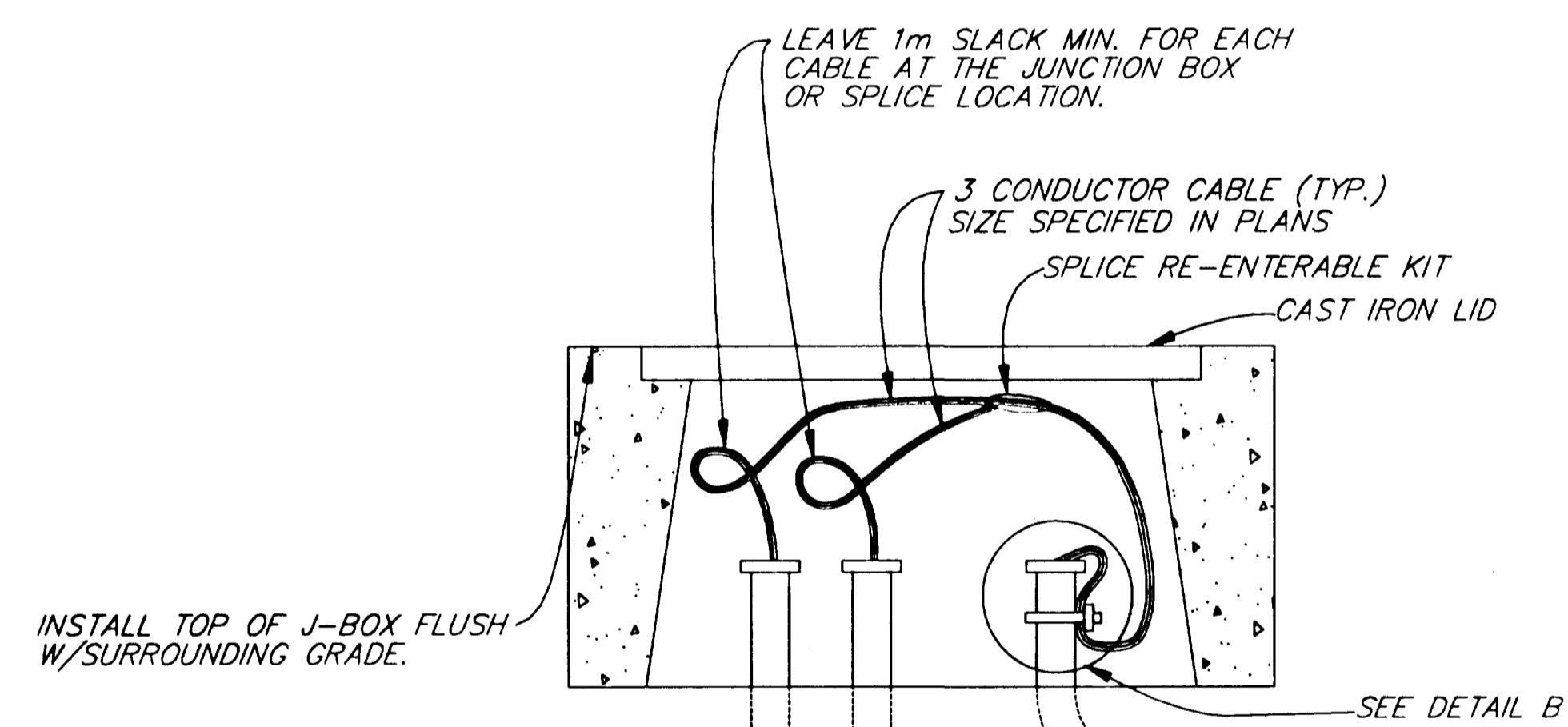


ANCHOR BASE DETAIL

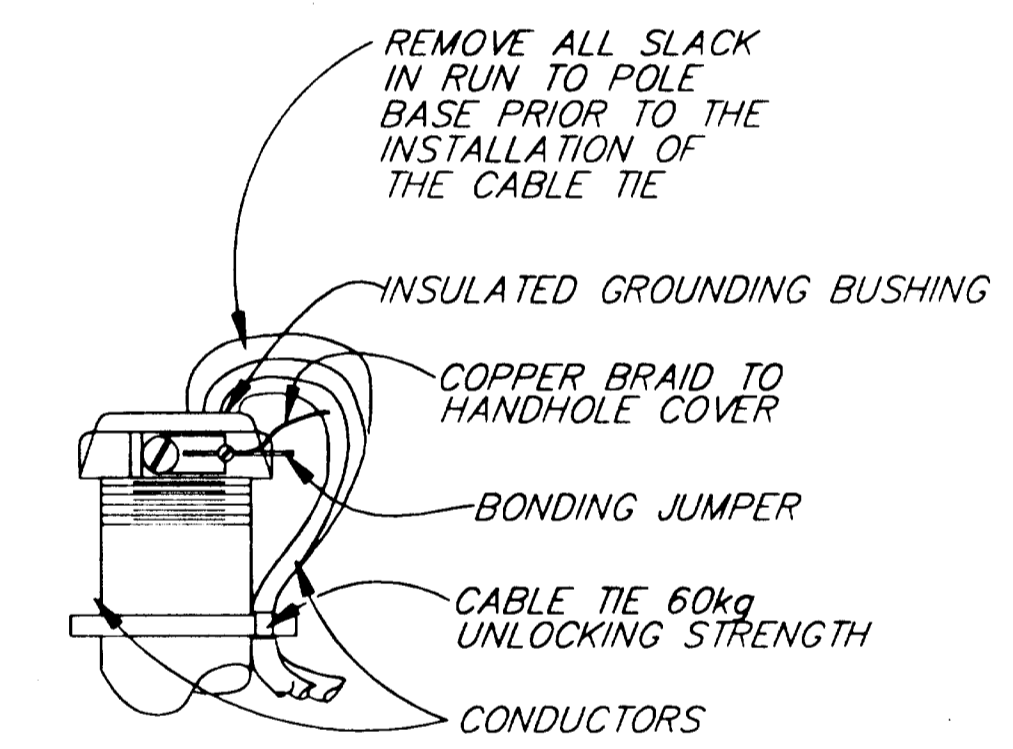
INDICATES EMBANKMENT MATERIAL TO BE REMOVED FROM AROUND BREAKAWAY SKIRTS

ILLUMINATION GENERAL NOTES

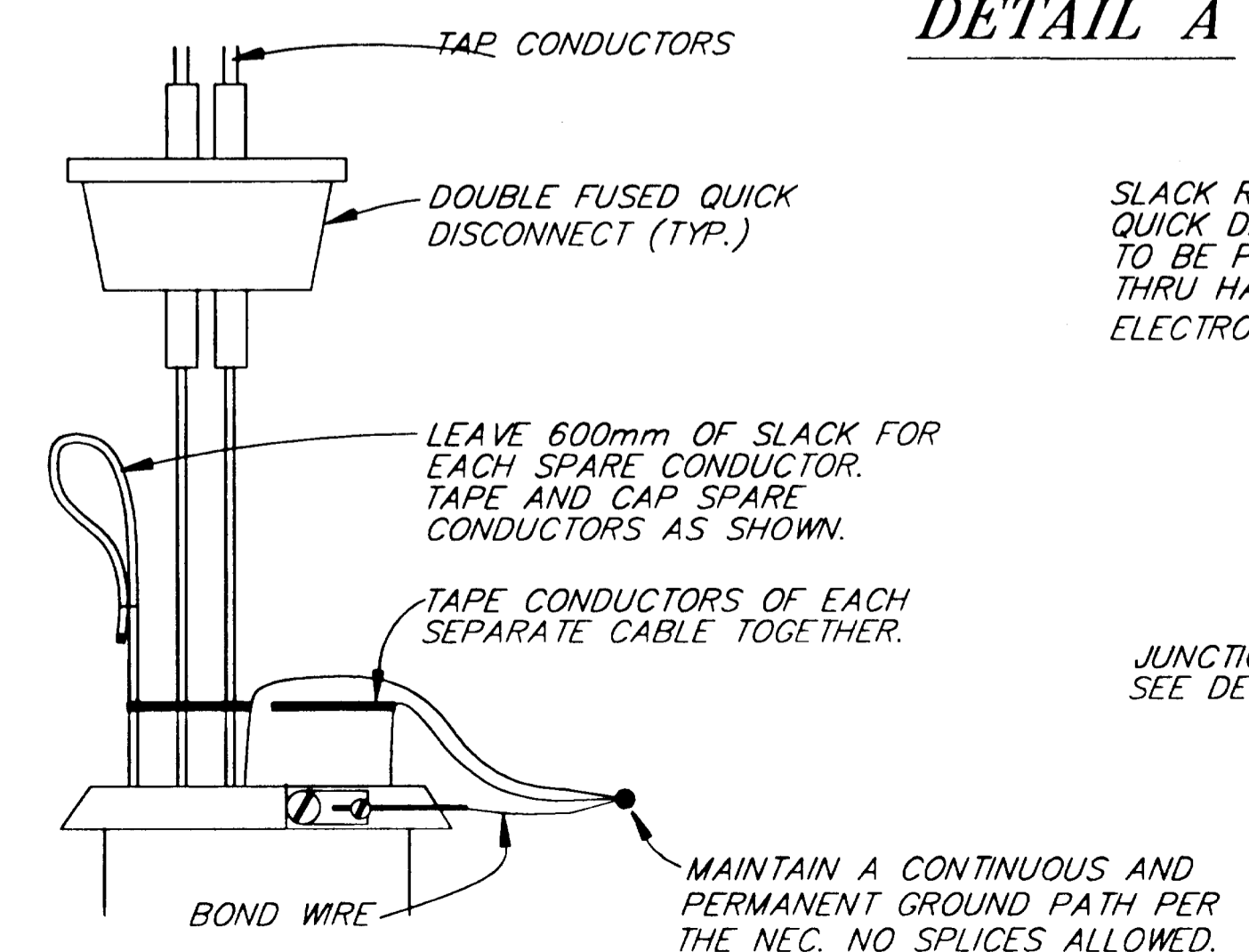
1. ALL WIRING SHALL BE ENCASED IN 50mm DIA. RIGID METAL CONDUIT.
2. EACH ELECTROLIER SHALL HAVE A J-BOX INSTALLED ADJACENT TO THE FOUNDATION AS SHOWN IN THE POLE AND J-BOX WIRING DETAIL.
3. ALL JUNCTION BOXES SHALL BE TYPE I-A, EXCEPT AT LOAD CENTERS, SEE STANDARD DRAWING L-23.01.
4. A BARE STRANDED GROUND CONDUCTOR SHALL BE INSTALLED THROUGH ALL CONDUITS. THE GROUND CONDUCTOR SHALL BE ATTACHED TO ALL CONDUIT END BUSHINGS AND POLES.
5. NEW ELECTROLIER FOUNDATIONS MAY BE PRE-CAST. PRE-CAST FOUNDATIONS SHALL BE TRANSPORTED USING A DEVICE THAT SPREADS THE LOAD EVENLY BETWEEN THE ANCHOR BOLTS.
6. INSTALL THE PHOTOELECTRIC CELL ON TOP OF THE NEAREST ELECTROLIER POLE.
7. ILLUMINATION CIRCUIT WIRES SHALL BE NO. 8 AWG. 3-CONDUCTOR CABLE AS SPECIFIED IN STANDARD SPECIFICATION 660-2.08.
8. LUMINAIRES SHALL BE 240 VOLT, 250 WATT, HIGH PRESSURE SODIUM, MEDIUM DISTRIBUTION, CUT-OFF, IES TYPE III AND SHALL BE HAVE MAGNETIC REGULATOR BALLASTS, AND HPS LAMPS WITH A 24,000 HOUR RATED LIFE.
9. INSTALL 1 SPARE 50mm RIGID METAL CONDUIT FROM THE LOAD CENTER TO THE FIRST JUNCTION BOX.
10. NON-BREAKAWAY PORTIONS OF FOUNDATIONS SHALL NOT PROTRUDE MORE THAN 100 mm ABOVE ANY 1.5 m CHORD STARTING AND ENDING ON THE FINISHED GRADE OF THE ELECTROLIER PADS.
11. LUMINAIRE MASTARMS SHALL BE 4.6m LONG UNLESS NOTED ELSEWHERE.
12. NEW LUMINAIRES SHALL HAVE A 10.7m MOUNTING HEIGHT, EXCEPT POLES L-A1, L-A2, & L-A7. DESIGNED BY MICHAEL LUKSHIN 9/2/01



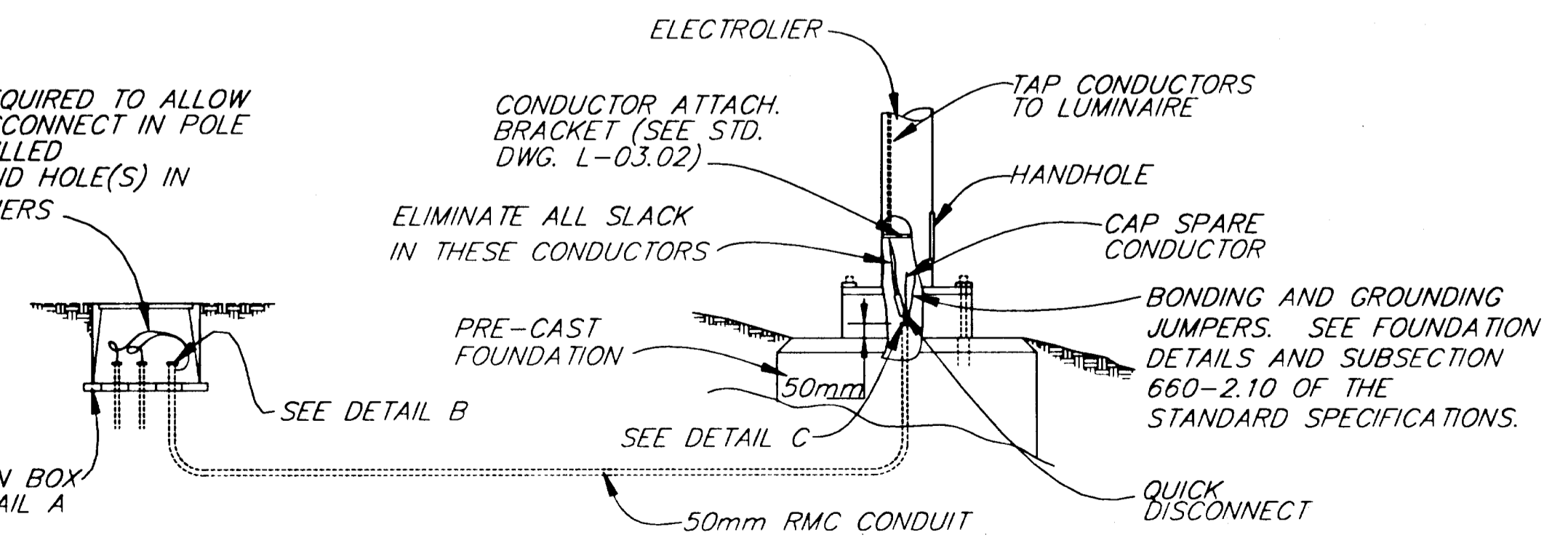
DETAIL A



DETAIL B (IN J-BOX)



DETAIL C (IN POLE BASE)



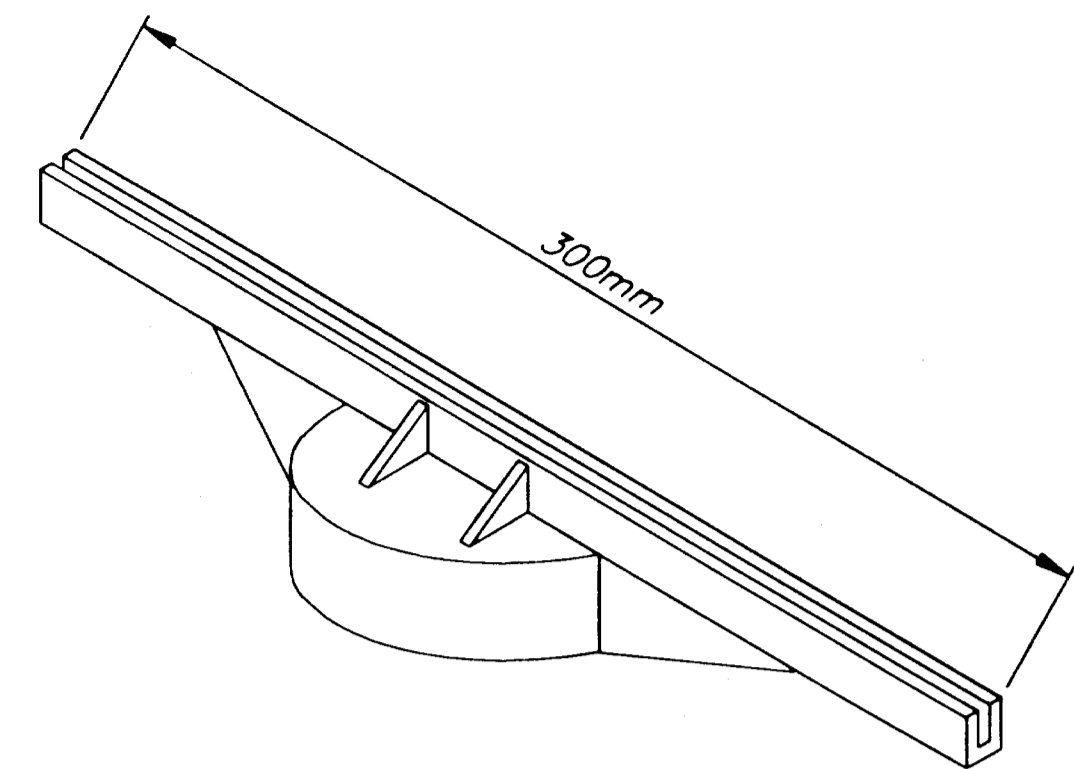
LIGHTING SYSTEM POLE AND J-BOX WIRING DETAILS (BREAKAWAY COUPLINGS)

JNU-GLACIER HIGHWAY/ANKA STREET INTERSECTION IMPROVEMENTS
ILLUMINATION DETAILS

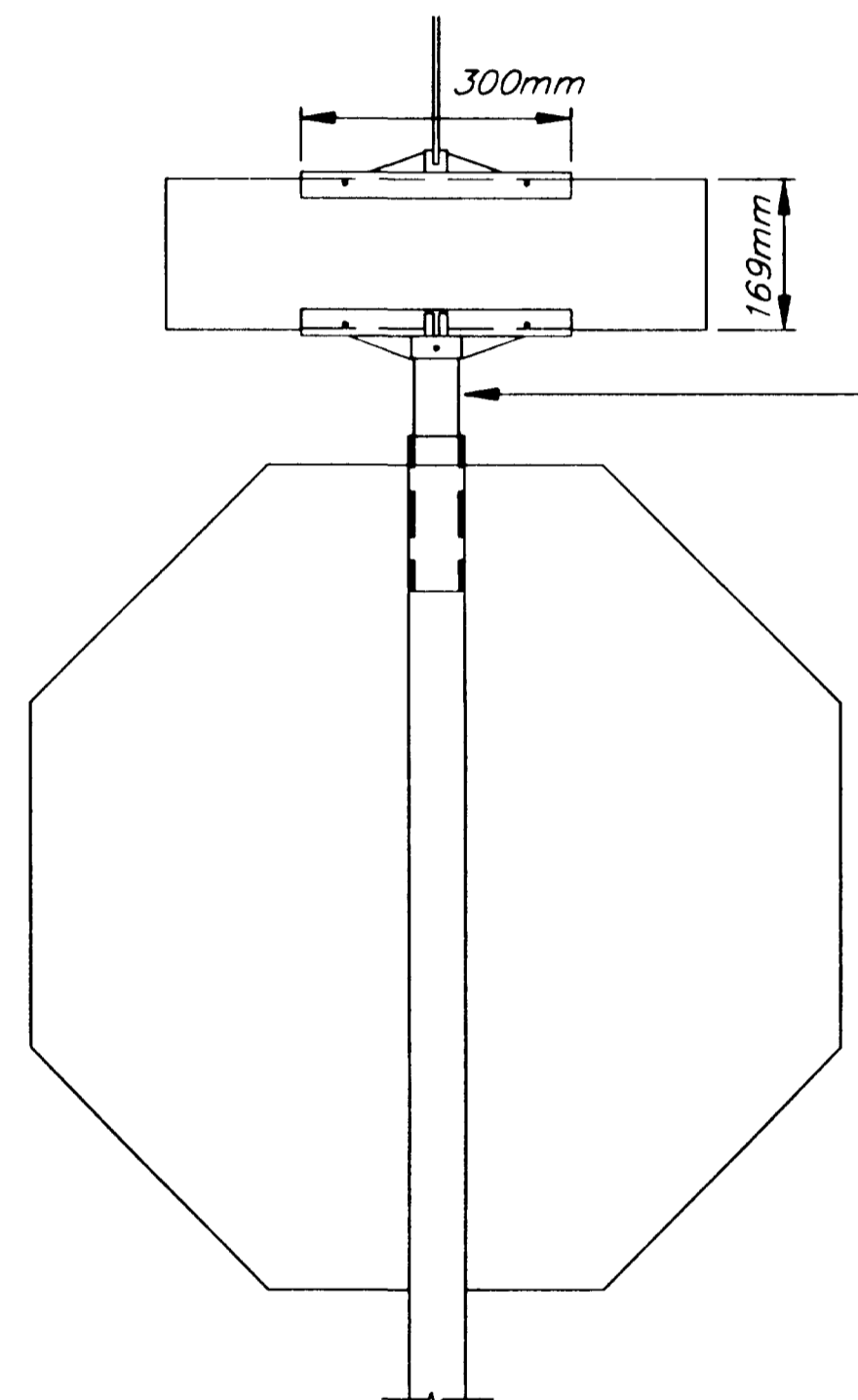


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

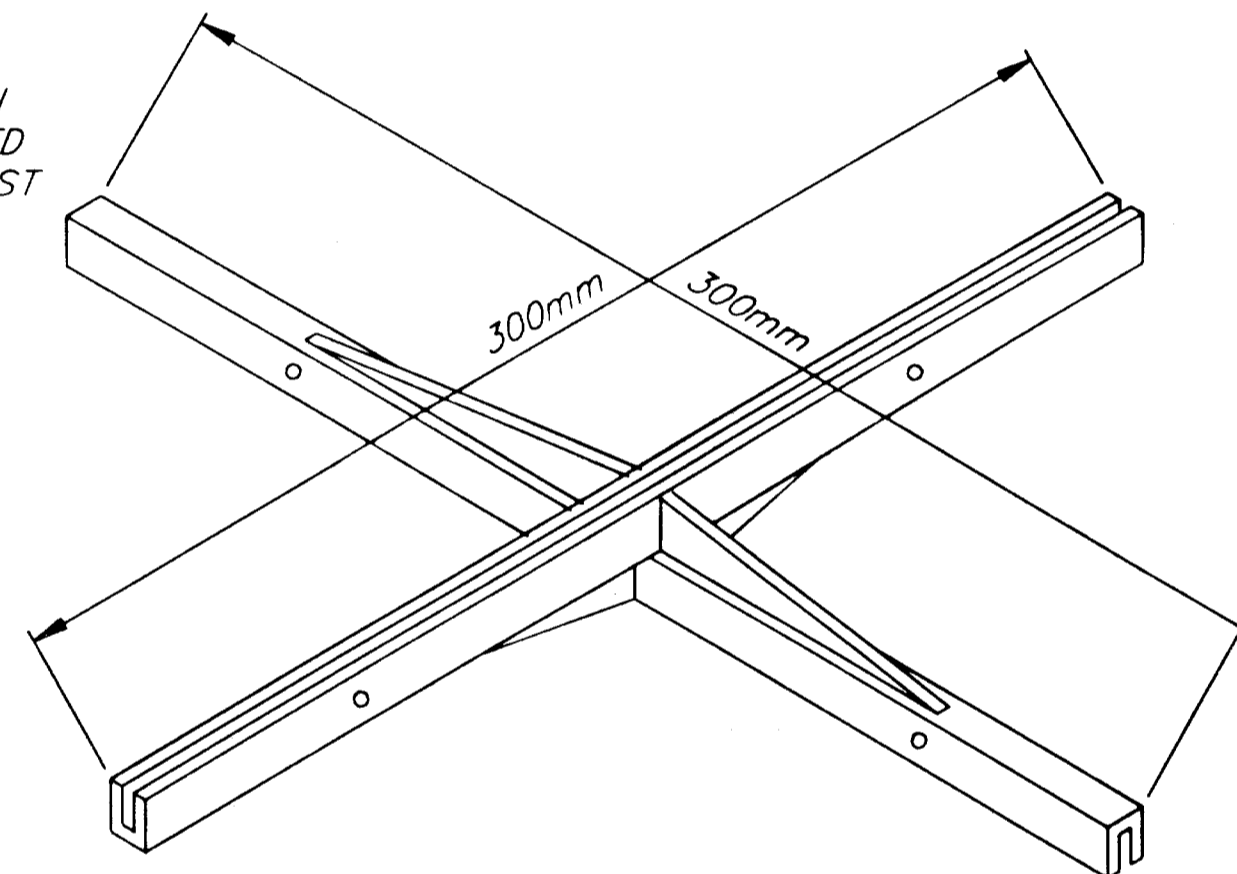
SHEET NUMBER	TOTAL SHEETS	
H-5	6	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
M.L.	K.K.	K.M.
ELECTRONIC PATHWAY:		
Q:\jnu\67898\Dr\Traffic3.dwg		
EDTIME		
Bert Wed, 20/Jun/01 01:44PM		
STANDARDS:		
SPECIFICATIONS:		



*TYPICAL HEAVY DUTY
SIGN TO POST BRACKET*



SIGN POST DETAIL



*TYPICAL HEAVY DUTY SIGN
TO SIGN CROSS BRACKET*

SIGN NOTES

1. SIGNS SHALL HAVE GREEN BACKGROUND WITH WHITE LEGEND. LETTERING SHALL BE AS SHOWN ON THE PLAN.
2. SIGNS SHALL CONFORM TO THE ALASKA SIGN DESIGN SPECIFICATIONS (ASDS).

*JNU-GLACIER HIGHWAY/ANKA STREET
INTERSECTION IMPROVEMENTS
SPECIAL SIGN DETAIL*



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

SOUTHEAST
REGION

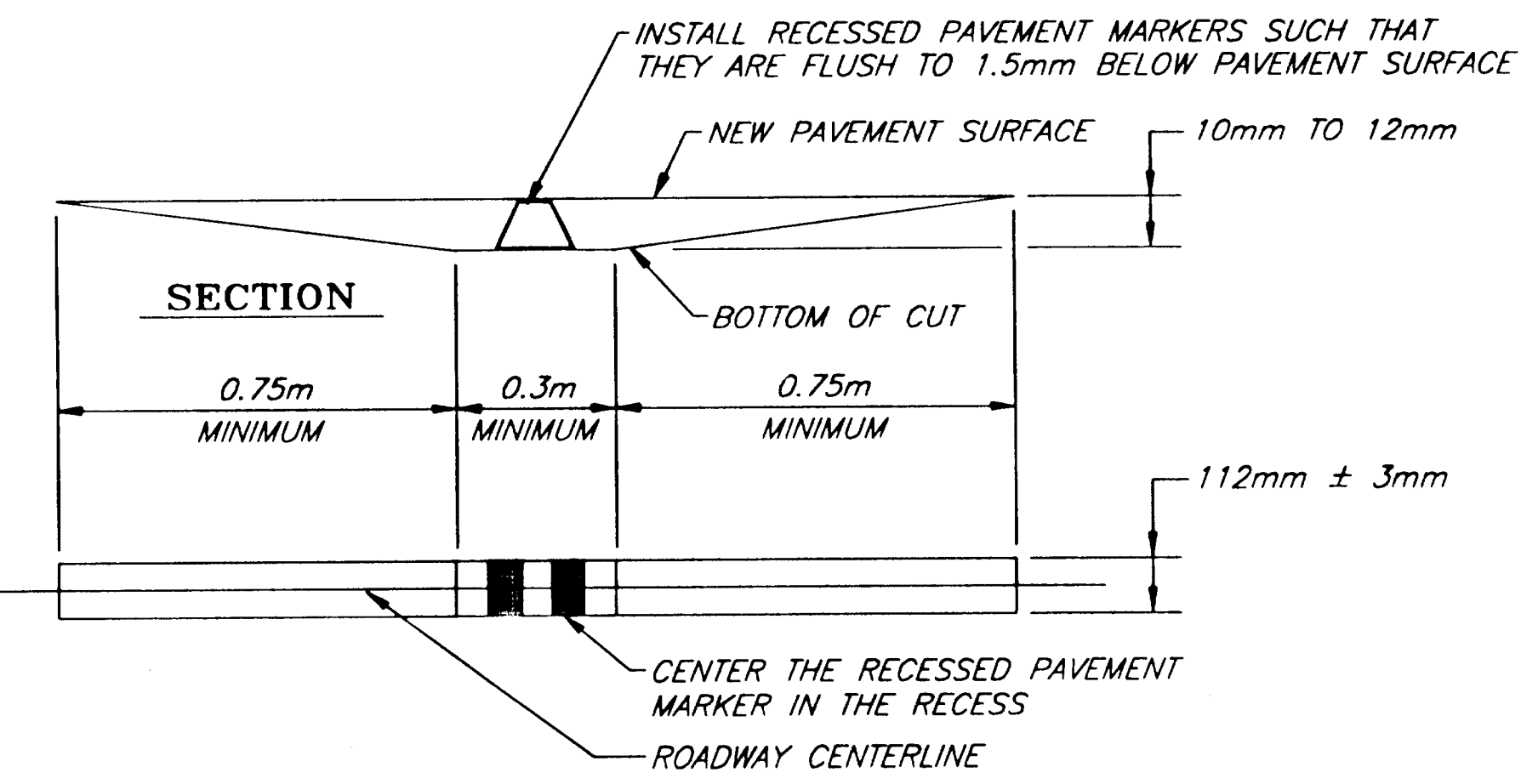
SHEET NUMBER	TOTAL SHEETS	
H-6	6	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
M.L.	K.K.	K.M.
ELECTRONIC PATHWAY:		
Q:\jnu\67898\Dr\Traffic4.dwg		
EDTIME		
Bert Wed, 20/Jun/01 01:49PM		
STANDARDS:		
SPECIFICATIONS:		

RECESSED PAVEMENT MARKER NOTES

- RECESSED PAVEMENT MARKERS (R.P.M.'s) SHALL BE INSTALLED BETWEEN THE B.O.P. AND THE E.O.P.
- R.P.M.'s SHALL BE SPACED AT 24m ON TANGENT SECTIONS OF ROADWAY AND ON CURVES WITH A RADIUS GREATER THAN 500m. ON CURVES WITH A RADIUS OF 500m OR LESS THE R.P.M.'s SHALL BE SPACED AT EVERY 12m. SEE DETAILS ON THIS SHEET.
- ON ALL ROADWAY SECTIONS WITH DOUBLE LINES (EITHER BROKEN OR SOLID) R.P.M.'s SHALL BE PLACED BETWEEN THE LINES, ON SECTIONS OF ROADWAY WITH SINGLE BROKEN LINES THE R.P.M.'s SHALL BE PLACED ON THE CENTERLINE BETWEEN THE STRIPES.
- THE LOCATIONS OF ALL PASSING AND NO-PASSING ZONES SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER.

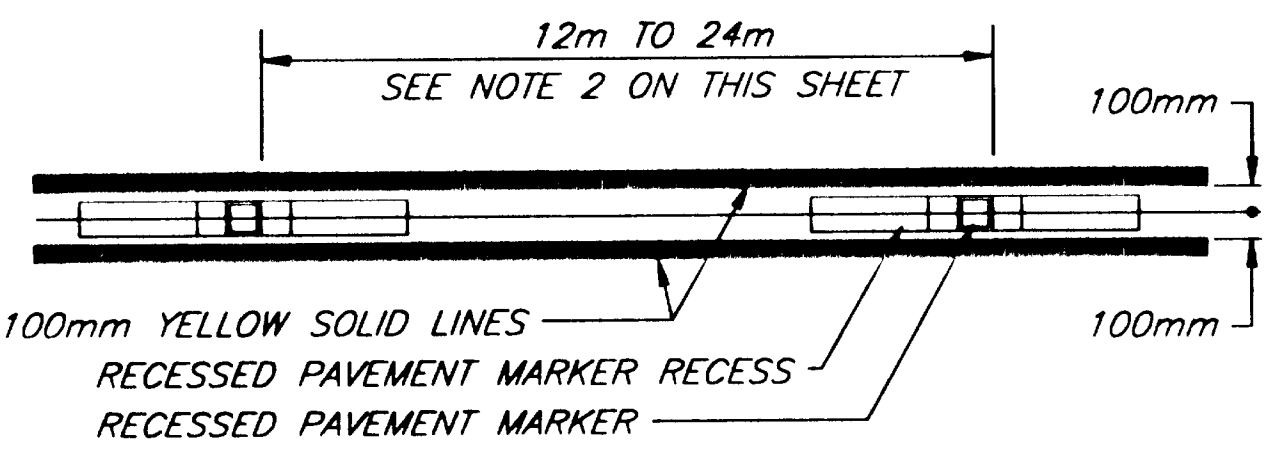
FLEXIBLE DELINEATORS NOTES:

- DELINEATORS SHALL BE INSTALLED AT LOCATIONS SHOWN IN THE SUMMARY TABLE ON SHEET D-6.
- DELINEATORS SHALL BE WHITE IN COLOR. DELINEATORS INSTALLED ON OUTSIDE SHOULDERS SHALL HAVE WHITE REFLECTIVE SHEETING. DELINEATORS INSTALLED ON MEDIANS SHALL HAVE YELLOW REFLECTIVE SHEETING.

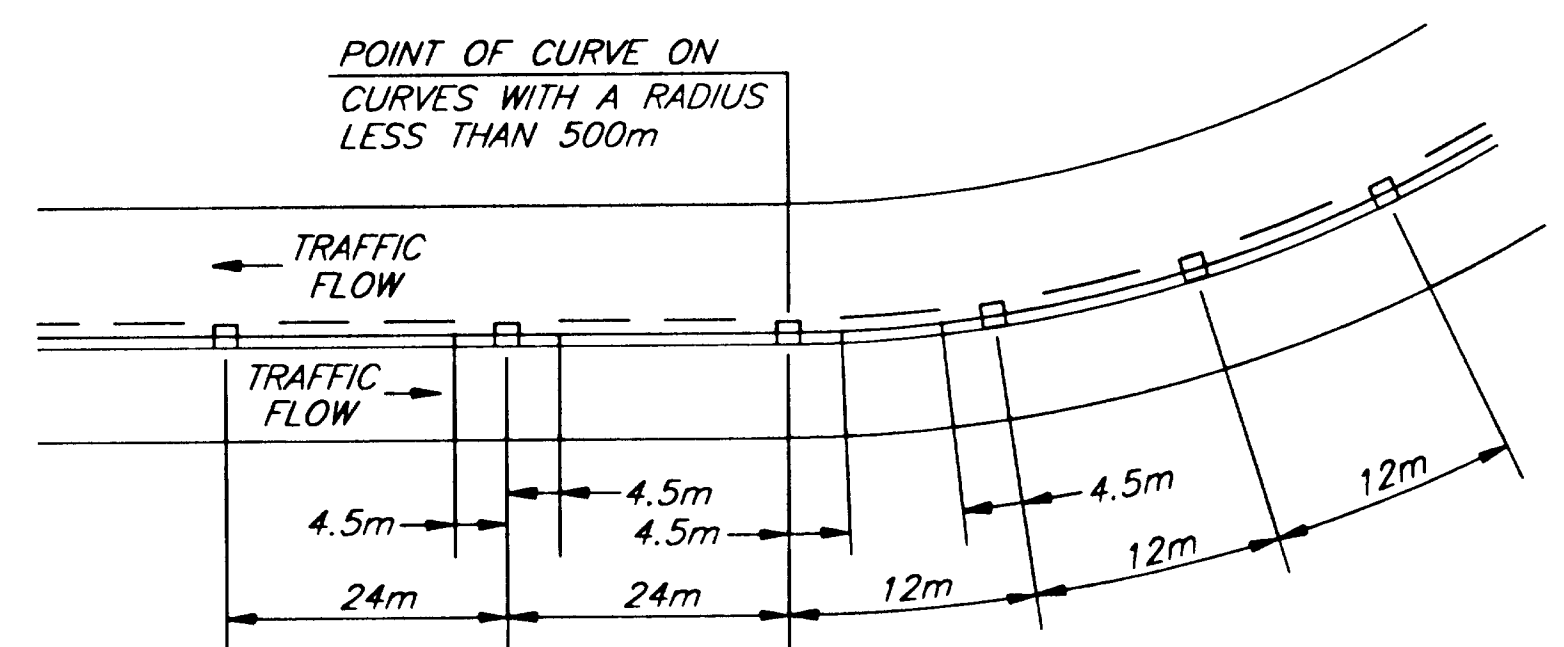


PLAN

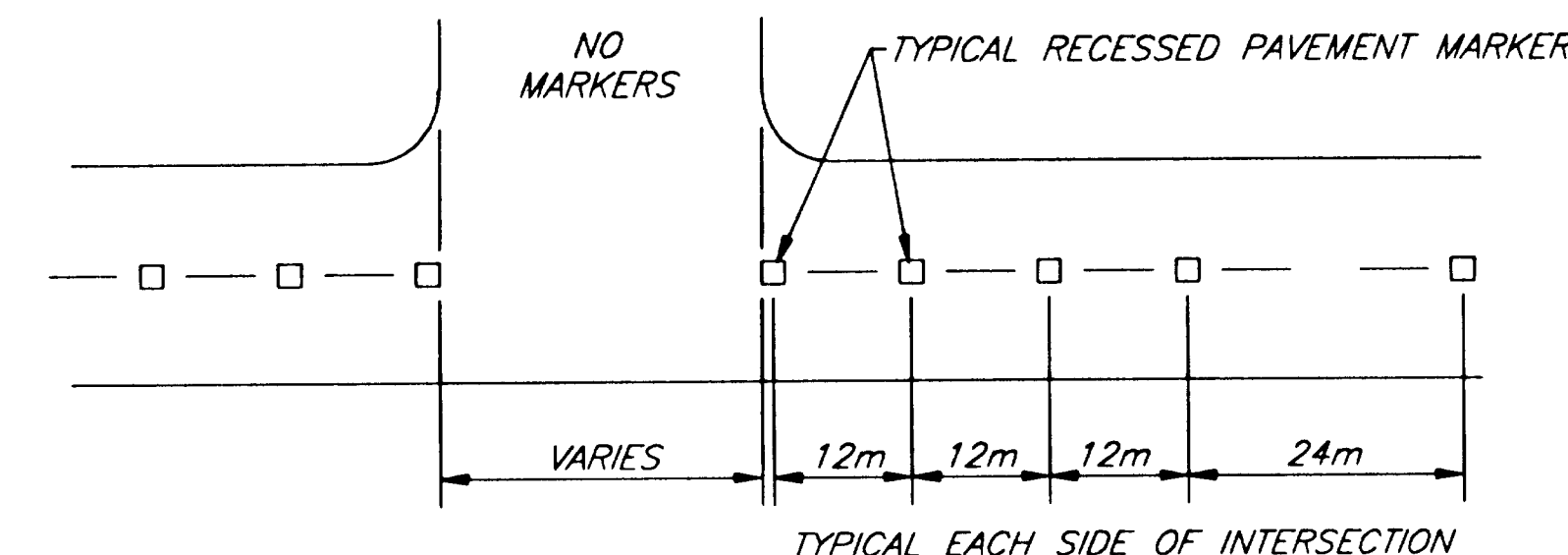
RECESSED PAVEMENT MARKER DETAIL



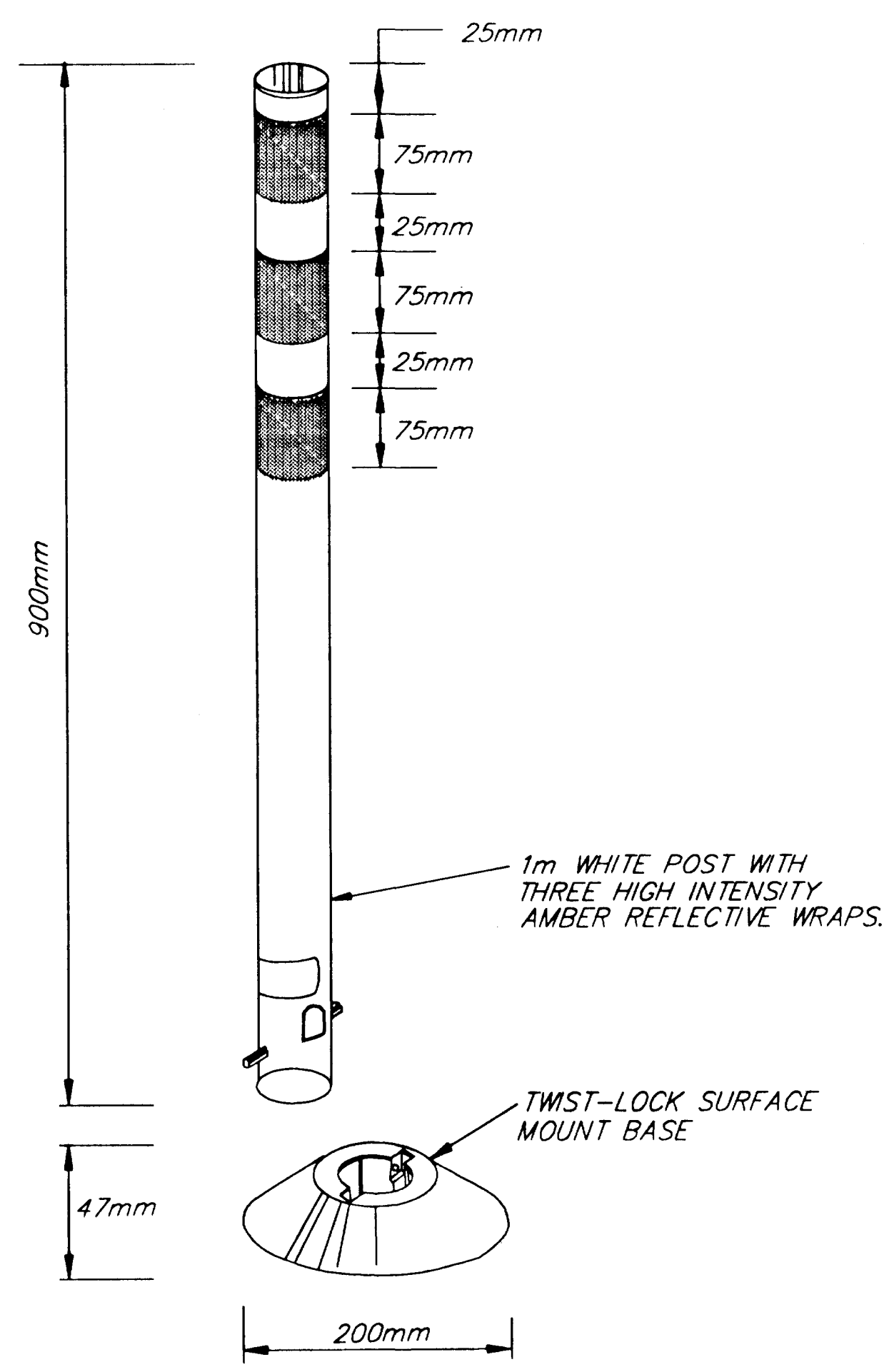
RECESSED PAVEMENT MARKER INSTALLATION DETAILS



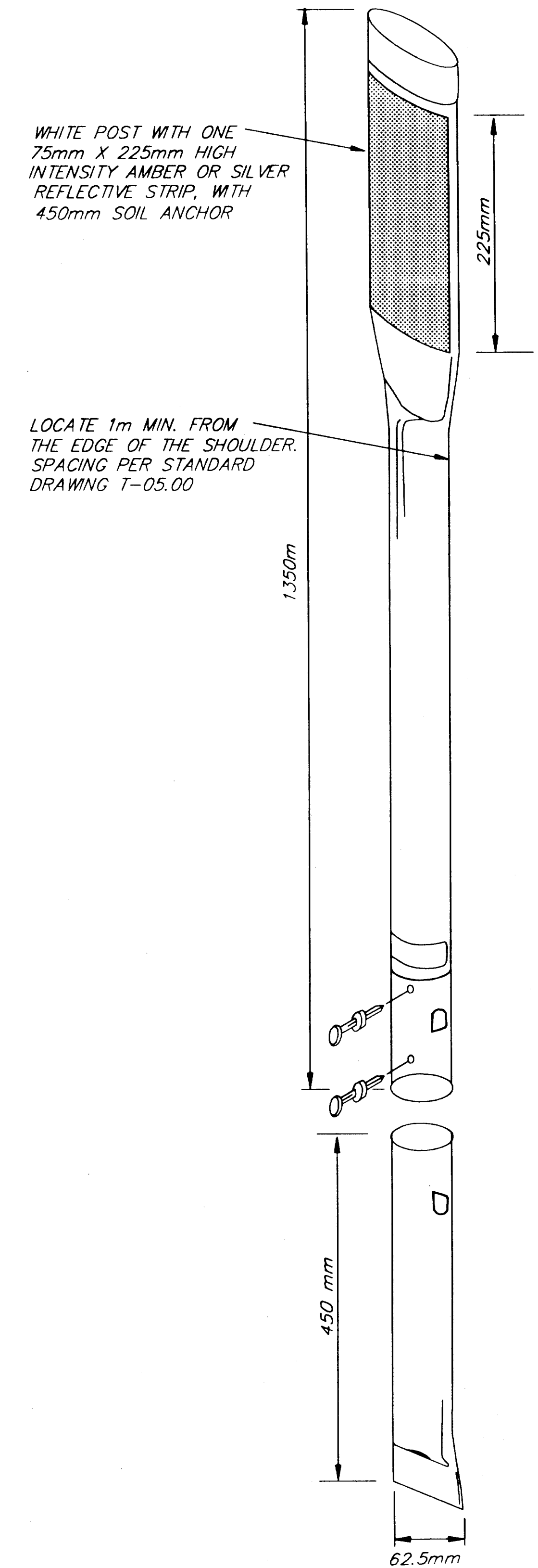
RECESSED PAVEMENT MARKER DETAIL FOR CURVES WITH A RADIUS LESS THAN 500m



RECESSED PAVEMENT MARKER DETAIL FOR INTERSECTION APPROACHES



TYPE "A" FLEXIBLE DELINEATOR DETAILS

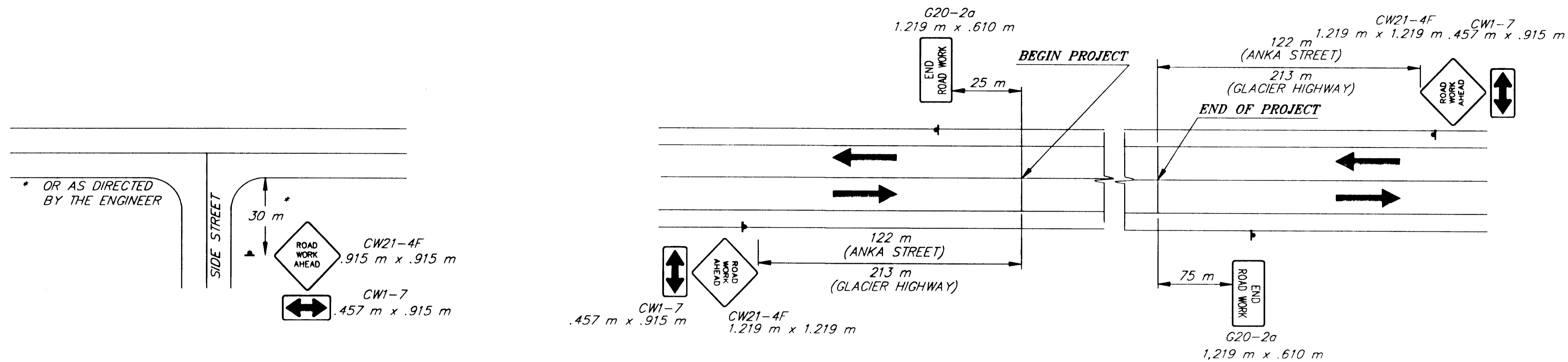


TYPE "B" FLEXIBLE DELINEATOR DETAILS

JNU-GLACIER HIGHWAY/ANKA STREET INTERSECTION IMPROVEMENTS RECESSED PAVEMENT MARKER DETAILS



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION



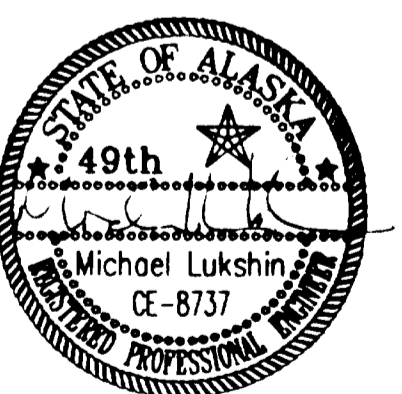
PERMANENT CONSTRUCTION SIGNING

TRAFFIC CONTROL NOTES

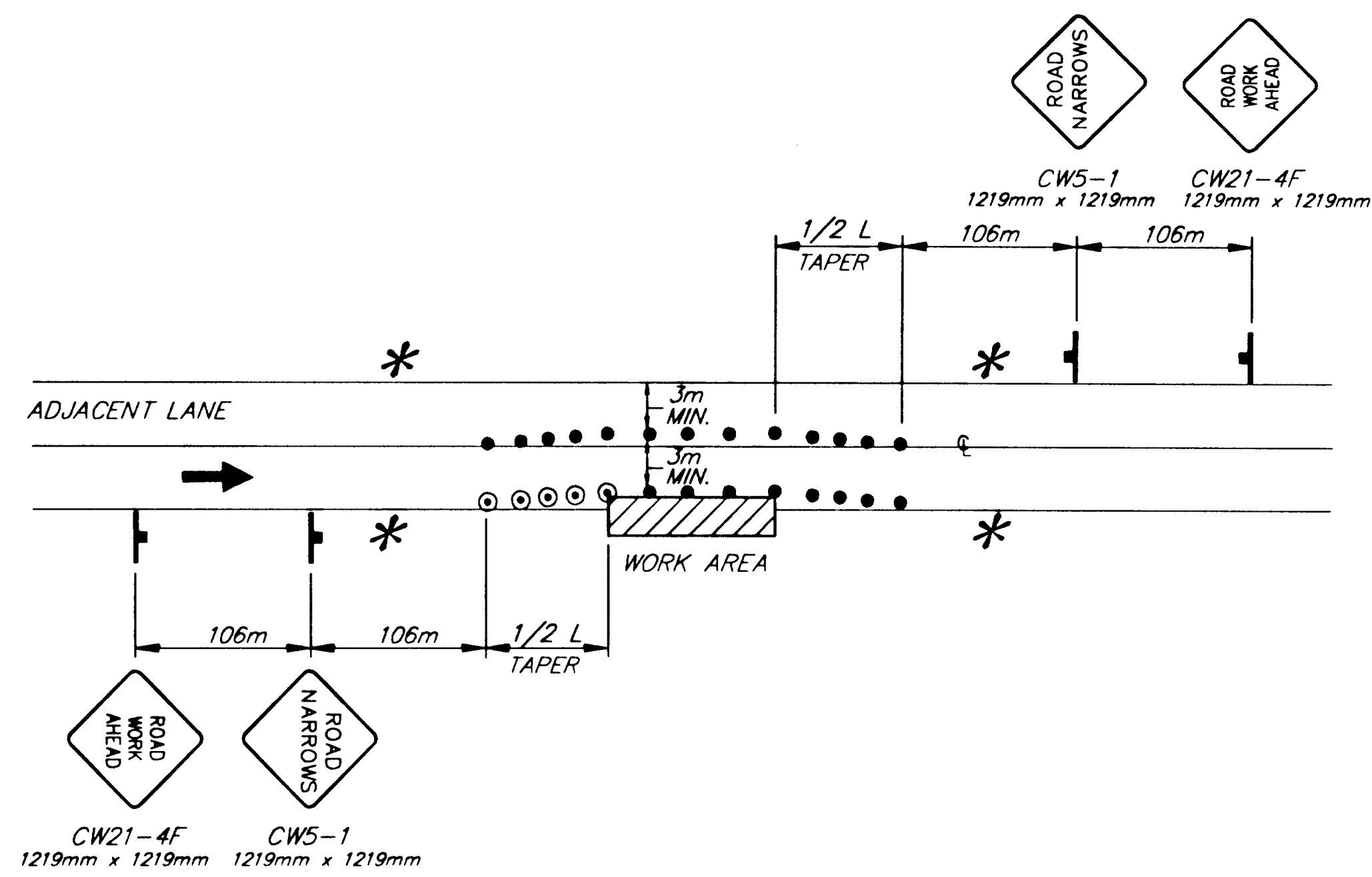
1. IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME BUT NOT ALL OF THE TRAFFIC CONTROL CONFIGURATIONS THAT WILL BE REQUIRED BY THIS PROJECT. TRAFFIC CONTROL PLANS FOR CONFIGURATIONS NOT COVERED BY THIS TCP SHALL BE DEVELOPED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO USE.
2. TWO WAY TRAFFIC WILL BE MAINTAINED AT ALL TIMES.
3. TRAFFIC LANES SHALL BE A MINIMUM OF 3 meter WIDE.
4. TEMPORARY PAVEMENT MARKINGS WILL BE REQUIRED AS DESCRIBED IN SECTION 643-3.09 OF THE SPECIFICATIONS.
5. ACCESS TO BUSINESSES AND HOMES WILL BE OPENED AT THE END OF THE DAILY WORK SHIFT.
6. THE CONTRACTOR SHALL KEEP THE PUBLIC INFORMED OF HIS CONSTRUCTION ACTIVITIES THROUGH THE USE OF THE LOCAL NEWS MEDIA. NEWS RELEASES SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO THEIR RELEASE. NEWS RELEASES WILL BE REQUIRED BUT NOT LIMITED TO, THE ONSET OF WORK, GRINDING, PAVING, AND CHANGES IN THE LANE CONFIGURATIONS.
7. IF TRAFFIC DELAYS BECOME LONGER THAN 3 MINUTES AVERAGE PER VEHICLE, THE PROJECT ENGINEER MAY REQUIRE NIGHTTIME OPERATIONS.
8. NO WORK ON GLACIER HIGHWAY SHALL OCCUR BETWEEN 4:00 P.M. TO 6:00 P.M. ON WEEKDAYS.
9. DOUBLE TRAFFIC FINE ZONE SIGNS SHALL BE PART OF THIS PROJECT. REFER TO STANDARD DRAWING C-04.11[M] FOR THE CORRECT DOUBLE TRAFFIC FINE SIGN LAYOUT.

SHEET NUMBER	TOTAL SHEETS	
I-1	6	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
6789B	CA-0955(11)	
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
M.L.	K.K.	K.M.
ELECTRONIC PATHWAY:		
Q:\jnu\6789B\Dr\ -TCP1.dwg		
EDTIME		
Bert Wed, 20/Jun/01 01:50PM		
STANDARDS:		
SPECIFICATIONS:		

**JNU-GLACIER HIGHWAY/ANKA STREET
 INTERSECTION IMPROVEMENTS
 TRAFFIC CONTROL PLAN**

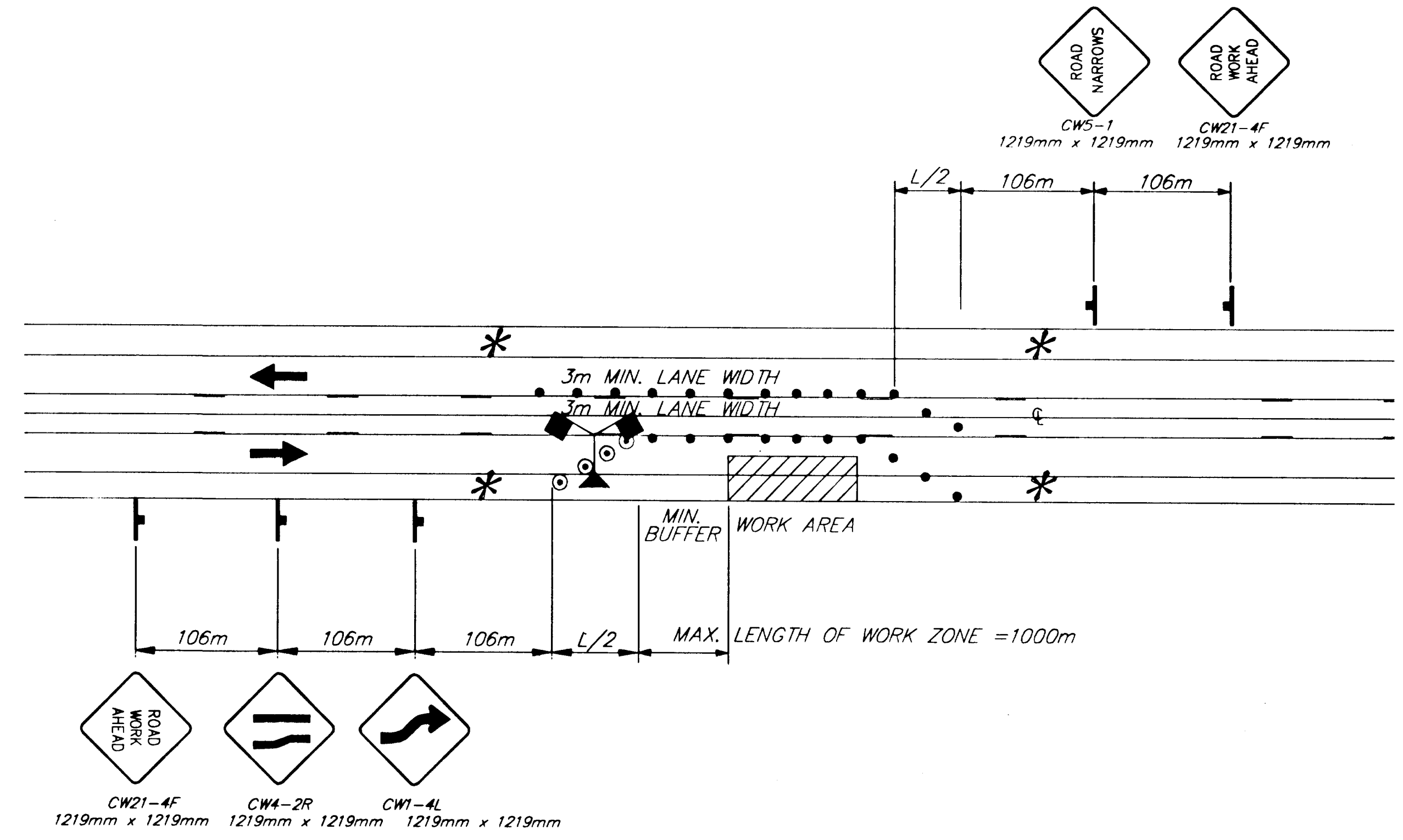


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
 SOUTHEAST
 REGION

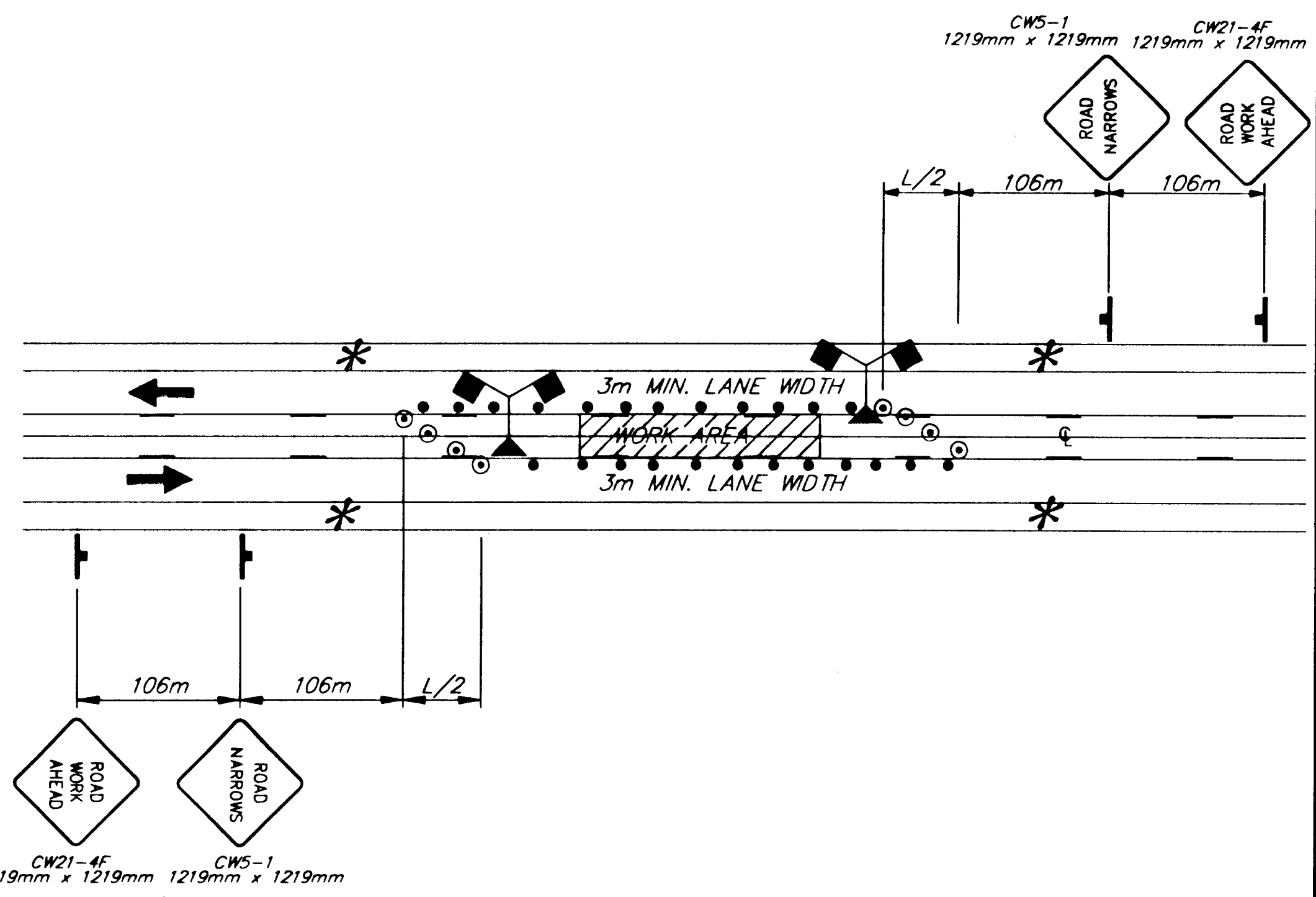


ROADWAY ENCROACHMENT

NOTE: IF ONLY ONE LANE IS EFFECTED BY ROAD WORK (THAT IS, THE CONES ALONG THE WORK AREA ARE NO CLOSER THAN 3m TO CENTERLINE) THE SIGNS AND CENTERLINE CONES FOR THE OPPOSING LANE MAY BE DELETED.



TWO-WAY TRAFFIC USING CENTER LANE



TWO-WAY TRAFFIC CENTER LANE CLOSURE

LEGEND

- SIGN
- CONE
- DRUM
- III TYPE III BARRICADE
- FLAGGING STATION
- HI-LEVEL WARNING DEVICE

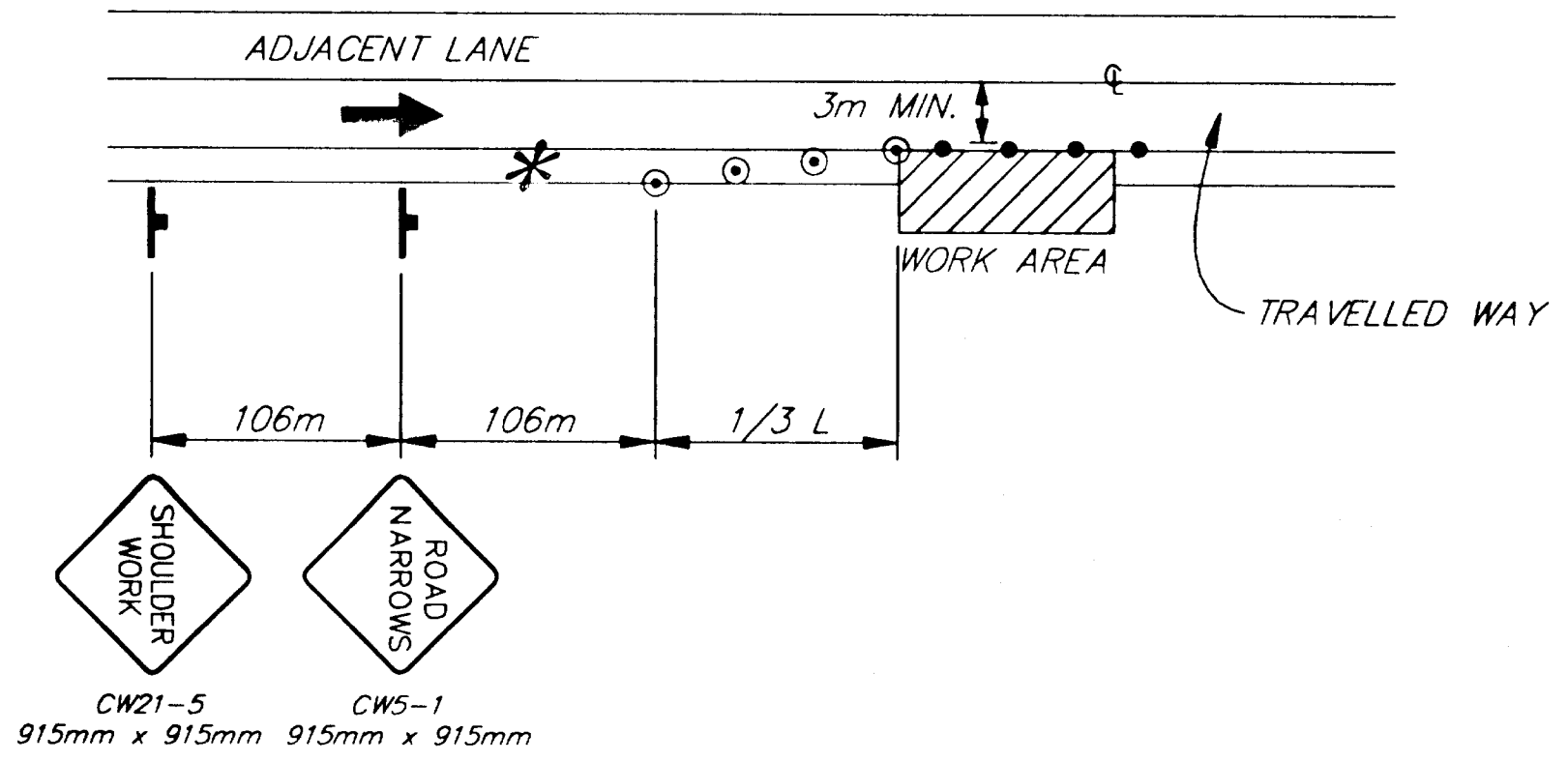
* NO PARKING WITHIN 60m OF CONES

$L = W \times T$

WHERE:
 L = LENGTH OF TAPER
 W = WIDTH OF OFFSET
 T = TAPER FACTOR

TCP TABLE SETUP

SPEED (KILOMETERS PER HOUR)	SPEED (MILES PER HOUR)	BUFFER LENGTH (m)	CONE/DRUM SPACING (m)	TAPER FACTOR (T)
25	16	9	5	4:1
30	19	11	6	6:1
35	22	14	7	8:1
40	25	17	8	10:1
45	28	21	9	13:1
50	31	26	10	16:1
55	34	35	11	19:1
60	37	43	12	23:1
65	40	52	13	27:1
70	43	62	14	32:1
75	47	75	15	47:1
80	50	85	16	50:1
85	53	98	17	53:1
90	56	110	18	56:1



SHOULDER WORK

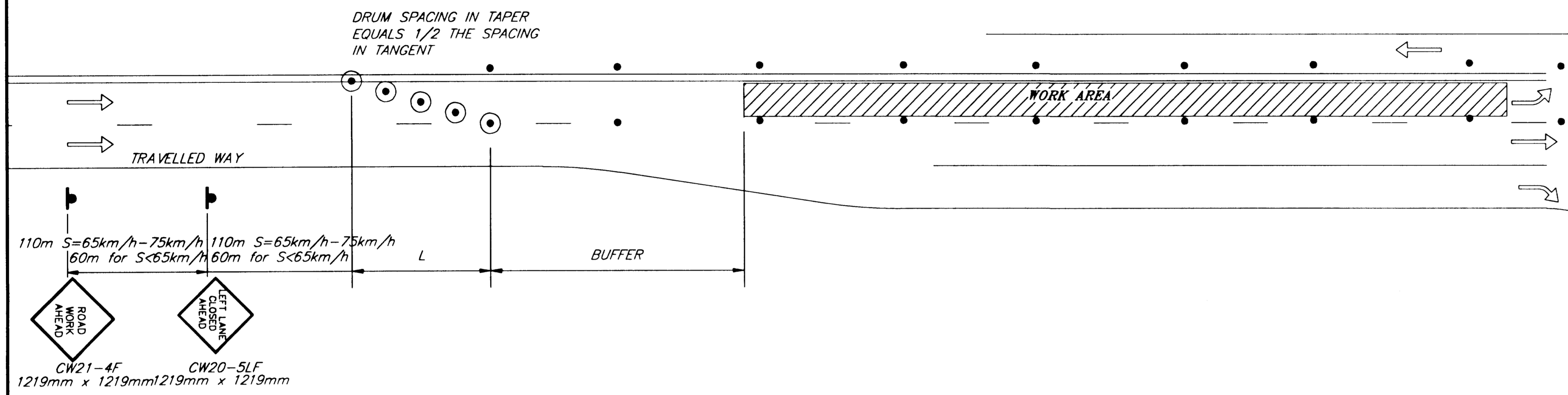
SHEET NUMBER	TOTAL SHEETS	
1-2	6	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
M.L.	K.K.	K.M.
ELECTRONIC PATHWAY: Q:\jnu\67898\Dr\TCP2.dwg		
EDTIME Bert Wed, 20/Jun/01 01:51PM		
STANDARDS:		
SPECIFICATIONS:		

JNU-GLACIER HIGHWAY/ANKA STREET
 INTERSECTION IMPROVEMENTS
 TRAFFIC CONTROL PLAN



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
 SOUTHEAST
 REGION

SHEET NUMBER	TOTAL SHEETS	
1-3	6	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
APPENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
M.L.	K.K.	K.M.
ELECTRONIC PATHWAY:		
Q:\jnu\67898\Dr\TCP3.dwg		
EDTIME		
Bert Wed, 20/Jun/01 01:52PM		
STANDARDS:		
SPECIFICATIONS:		



TYPICAL LANE CLOSURE ON UNDIVIDED HIGHWAY

LEGEND	
	SIGN
	CONE
	DRUM
	FLAGGING STATION

$L = W \times T$

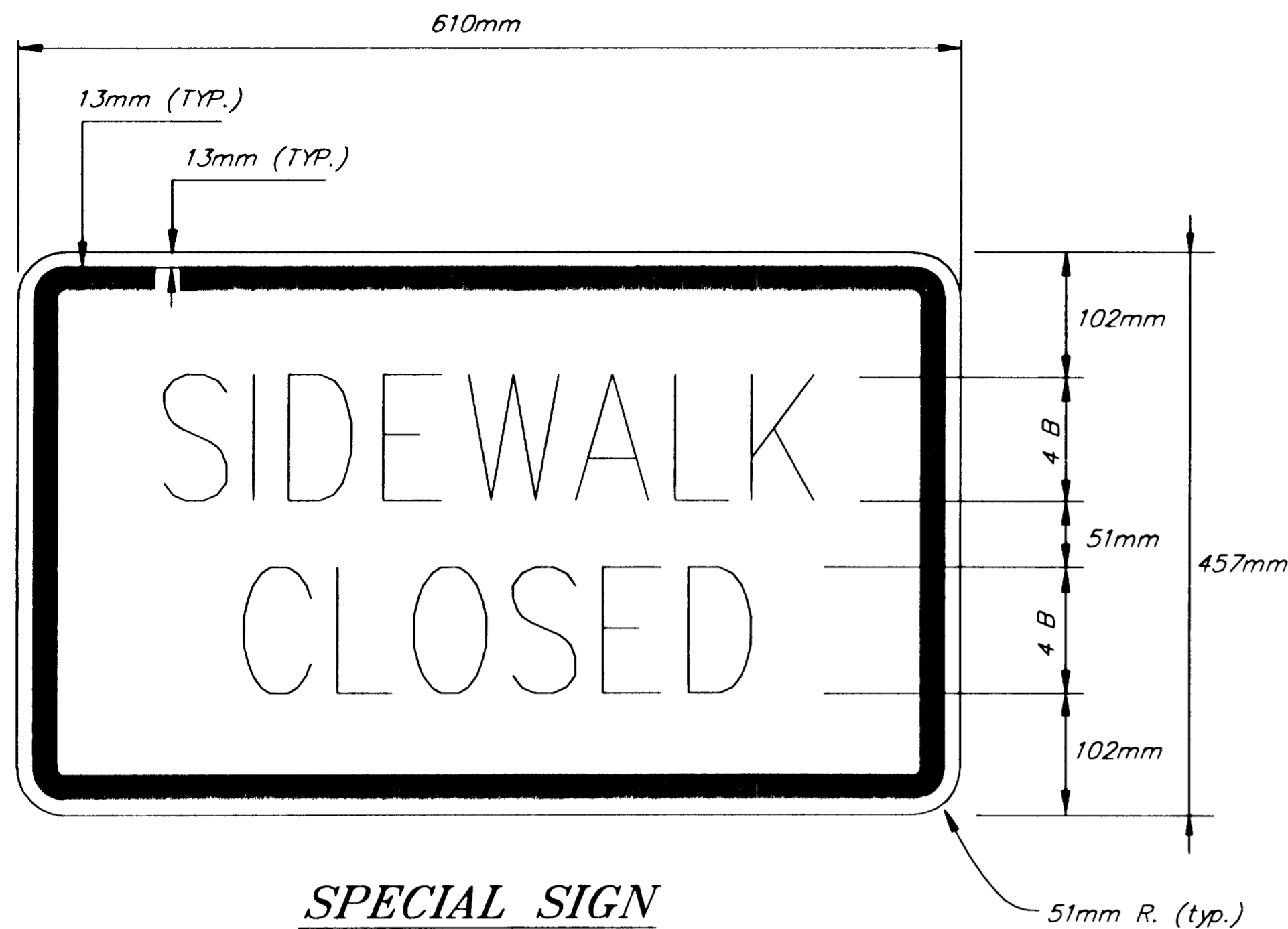
WHERE:
 L= LENGTH OF TAPER
 W= WIDTH OF OFFSET
 T= TAPER FACTOR

TCP TABLE SETUP				
SPEED (KILOMETERS PER HOUR)	SPEED (MILES PER HOUR)	BUFFER/ CONE/DRUM LENGTH (m)	TAPER FACTOR (T)	
25	16	9	5	4:1
30	19	11	6	6:1
35	22	14	7	8:1
40	25	17	8	10:1
45	28	21	9	13:1
50	31	26	10	16:1
55	34	35	11	19:1
60	37	43	12	23:1
65	40	52	13	27:1
70	43	62	14	32:1
75	47	75	15	47:1
80	50	85	16	50:1
85	53	98	17	53:1
90	56	110	18	56:1

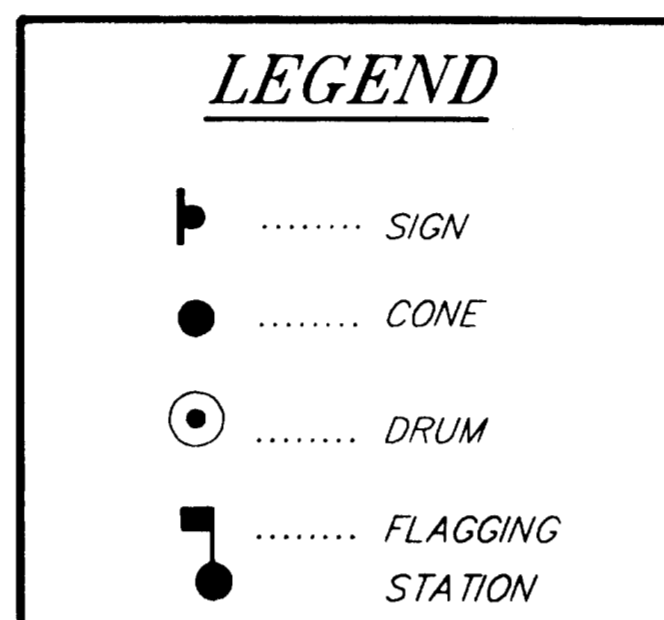
JNU-GLACIER HIGHWAY/ANKA STREET
 INTERSECTION IMPROVEMENTS
 TRAFFIC CONTROL PLAN



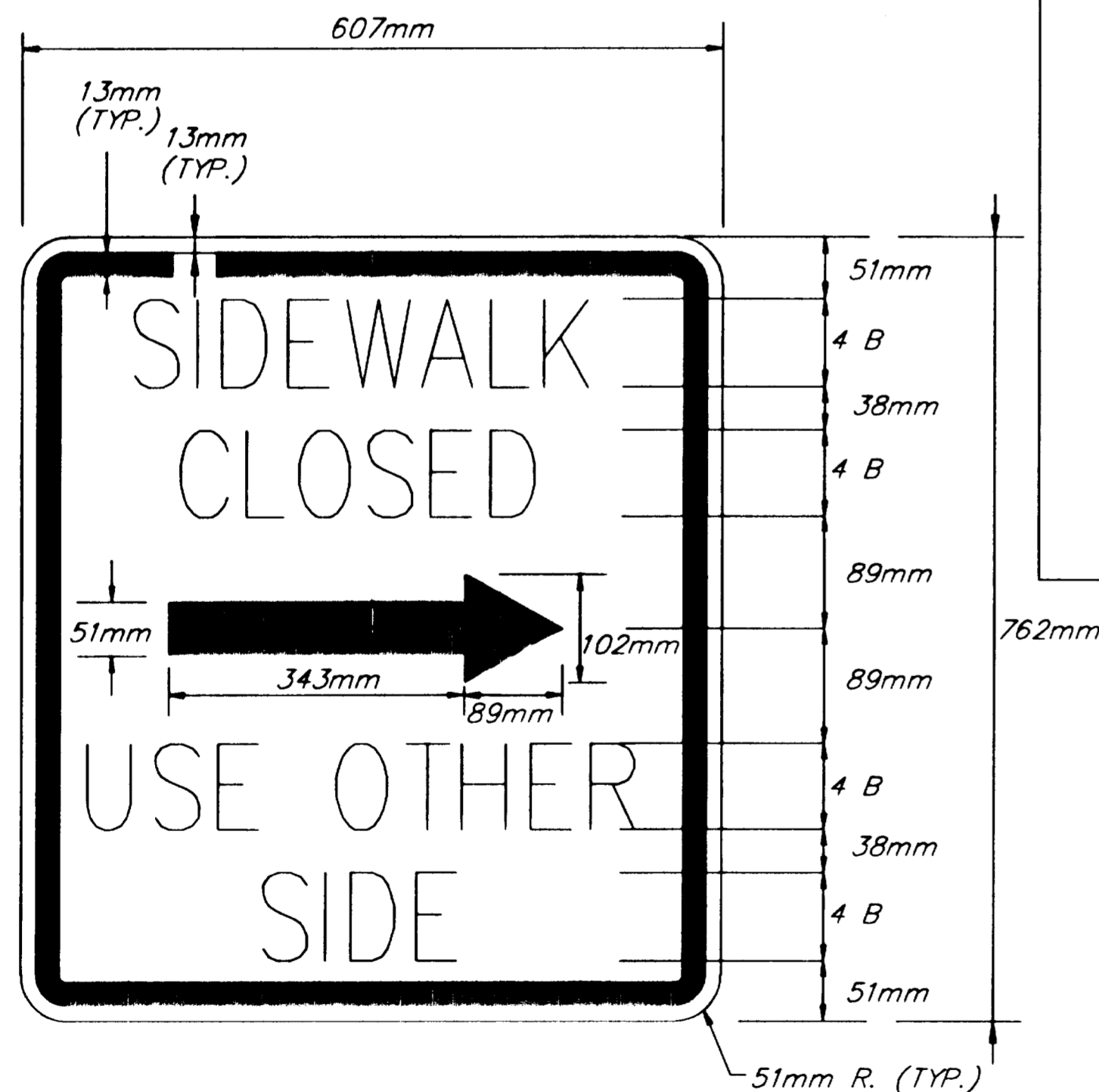
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
 SOUTHEAST
 REGION



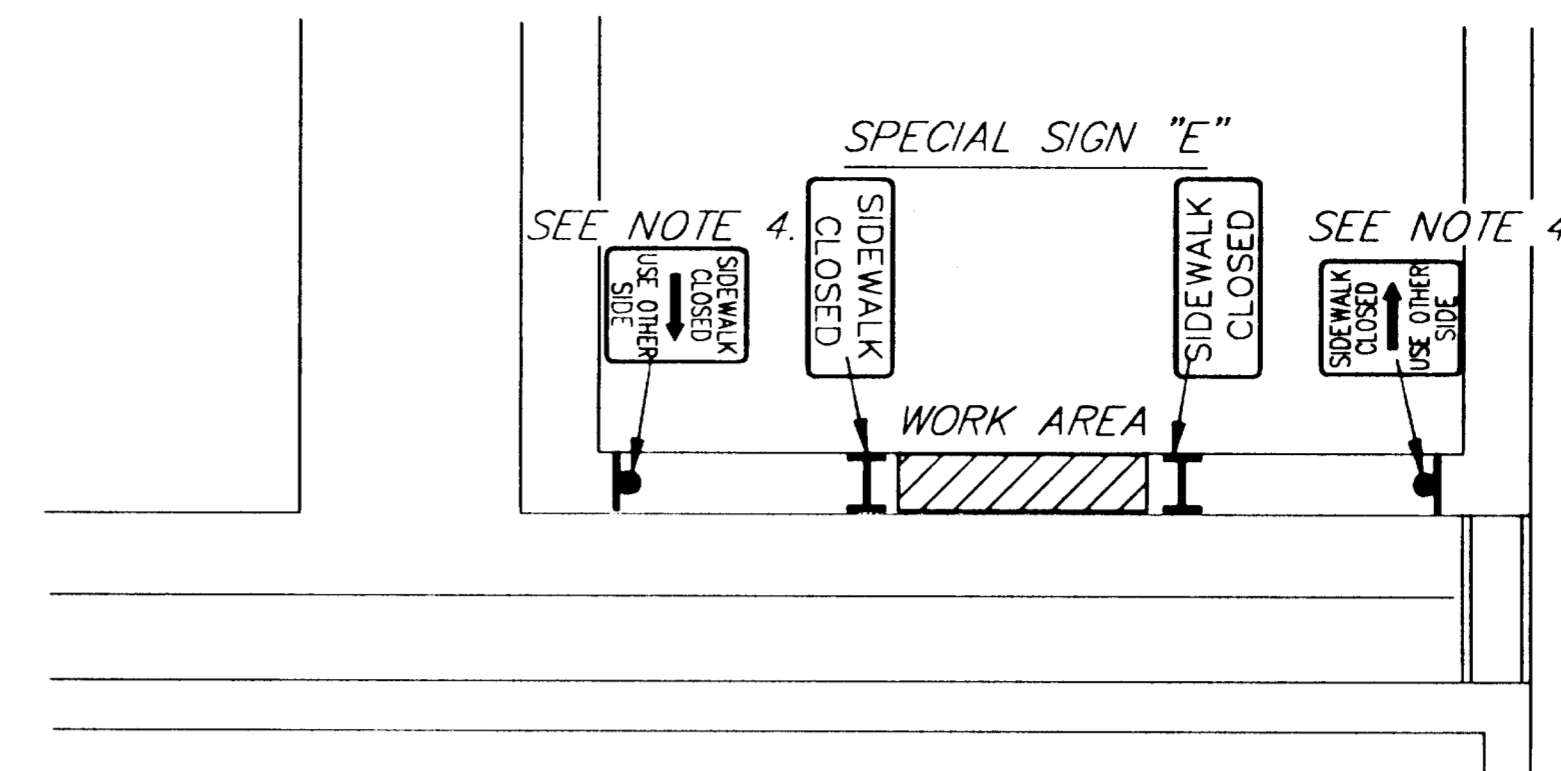
SPECIAL SIGN
 LEGEND - BLACK
 BACKGROUND - ORANGE



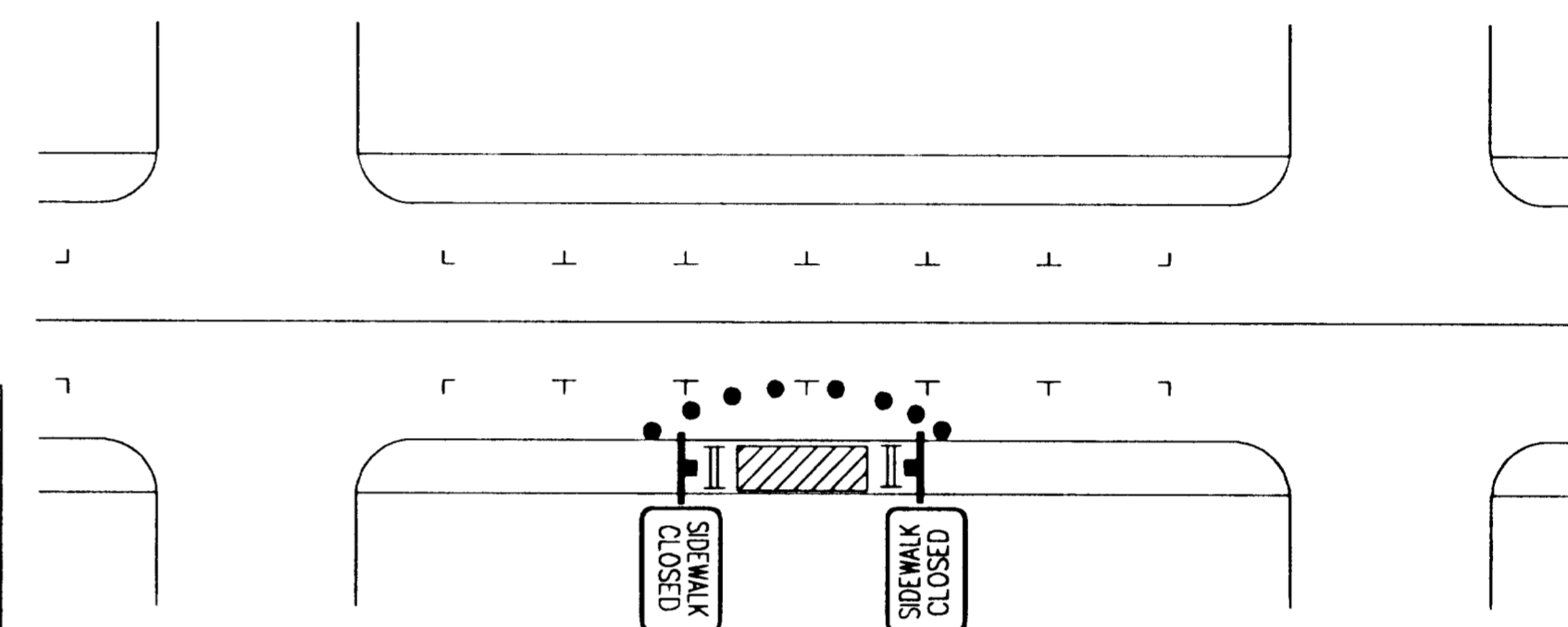
- SIGN NOTES:**
- SIGNS SHALL HAVE WHITE BACKGROUND WITH BLACK LEGEND. LETTERING SHALL BE AS SHOWN ON THE PLAN.
 - SPECIAL SIGN "C" IS SHOWN. SPECIAL SIGN "D" SHALL HAVE THE ARROW POINTING IN THE OPPOSITE DIRECTION.
 - SIGNS SHALL CONFORM TO THE ALASKA SIGN DESIGN SPECIFICATIONS (ASDS). LETTERING SHALL BE 102 mm HIGH AND SERIES B.
 - WHERE IT IS IMPRACTICAL TO WALK AROUND THE CLOSED PORTION OF THE SIDEWALK, SPECIAL SIGNS "C" OR "D" SHALL BE SET UP AT THE NEAREST EXISTING CROSSWALK.



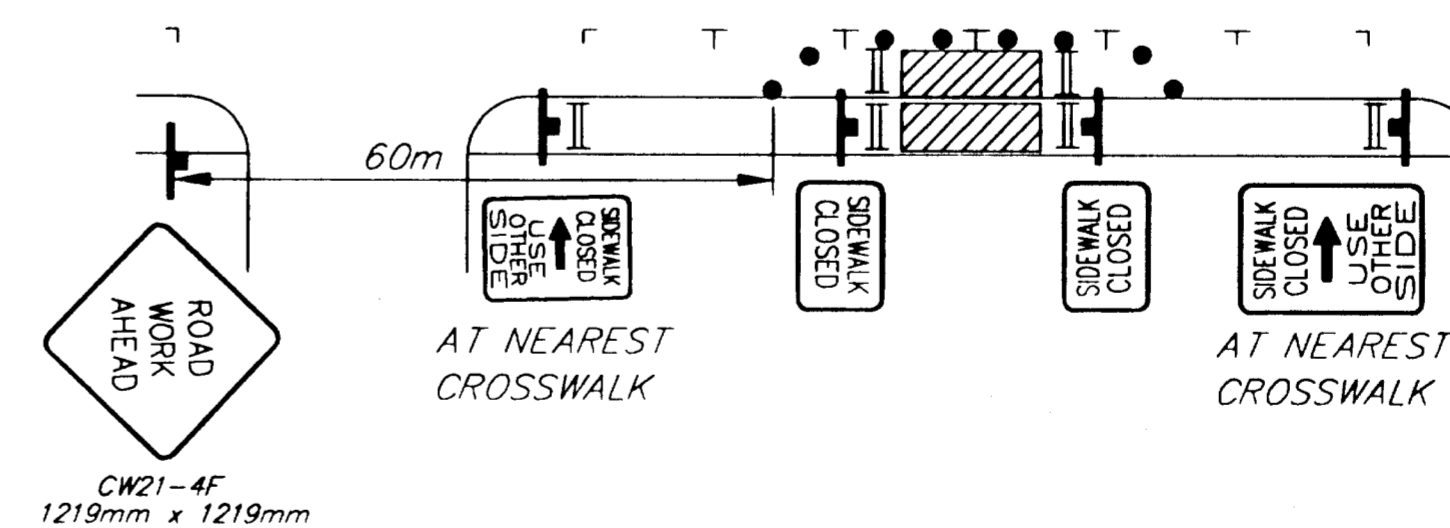
SPECIAL SIGN "C" (RIGHT ARROW)
SPECIAL SIGN "D" (LEFT ARROW)



EXISTING SIDEWALK RECONSTRUCTION



SIDEWALK CLOSURE BYPASS WALKWAY
 (NO WORK IN PROGRESS)



SIDEWALK CLOSURE NO ROADWAY ENCROACHMENT

SHEET NUMBER	TOTAL SHEETS	
1-4	6	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
APPENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
M.L.	K.K.	K.M.
ELECTRONIC PATHWAY:		
Q:\jnu\67898\Dr\TCP4.dwg		
EDTIME		
Bert Wed, 20/Jun/01 02:03PM		
STANDARDS:		
SPECIFICATIONS:		

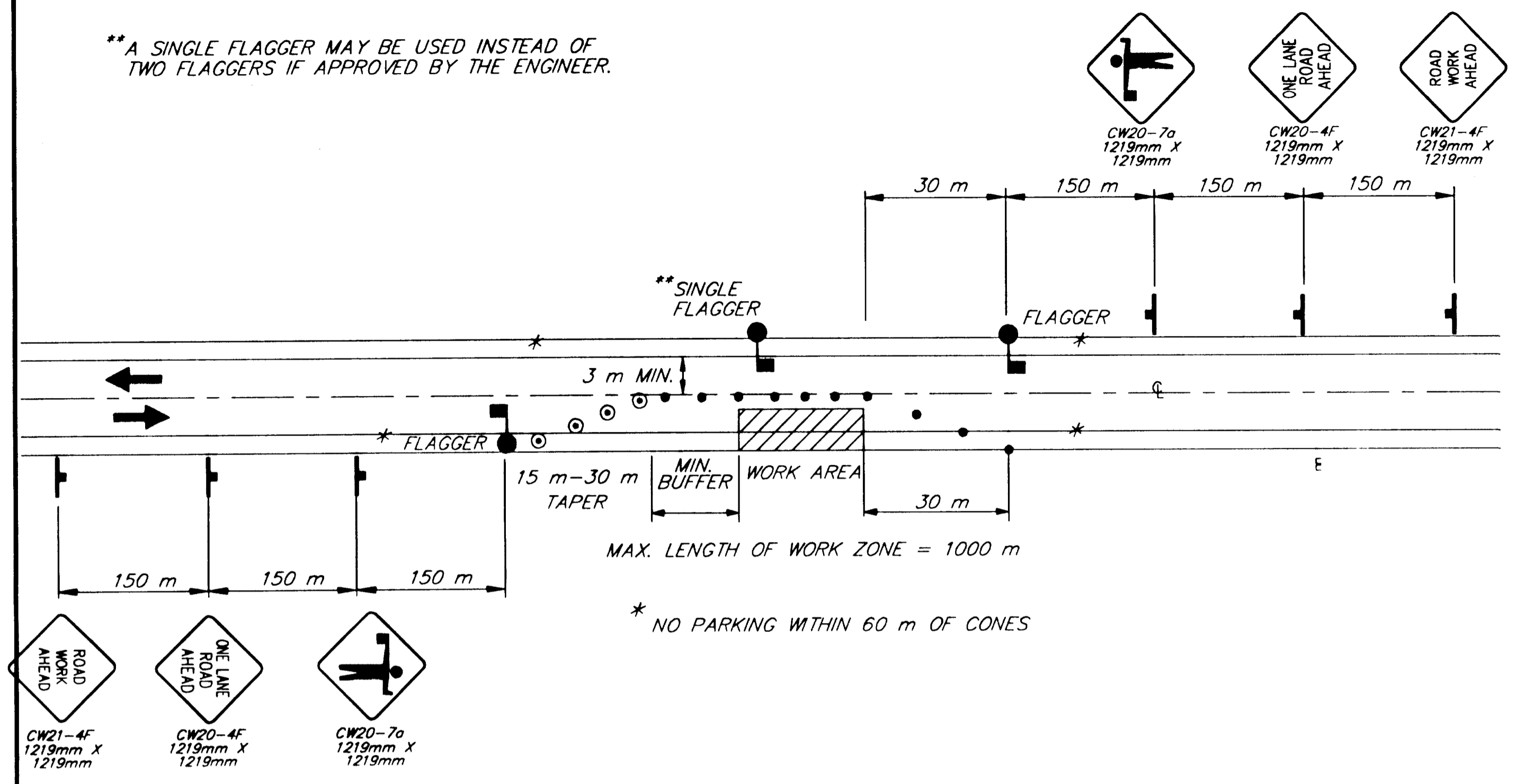
**JNU-GLACIER HIGHWAY/ANKA STREET
 INTERSECTION IMPROVEMENTS
 TRAFFIC CONTROL PLAN**



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
 SOUTHEAST
 REGION

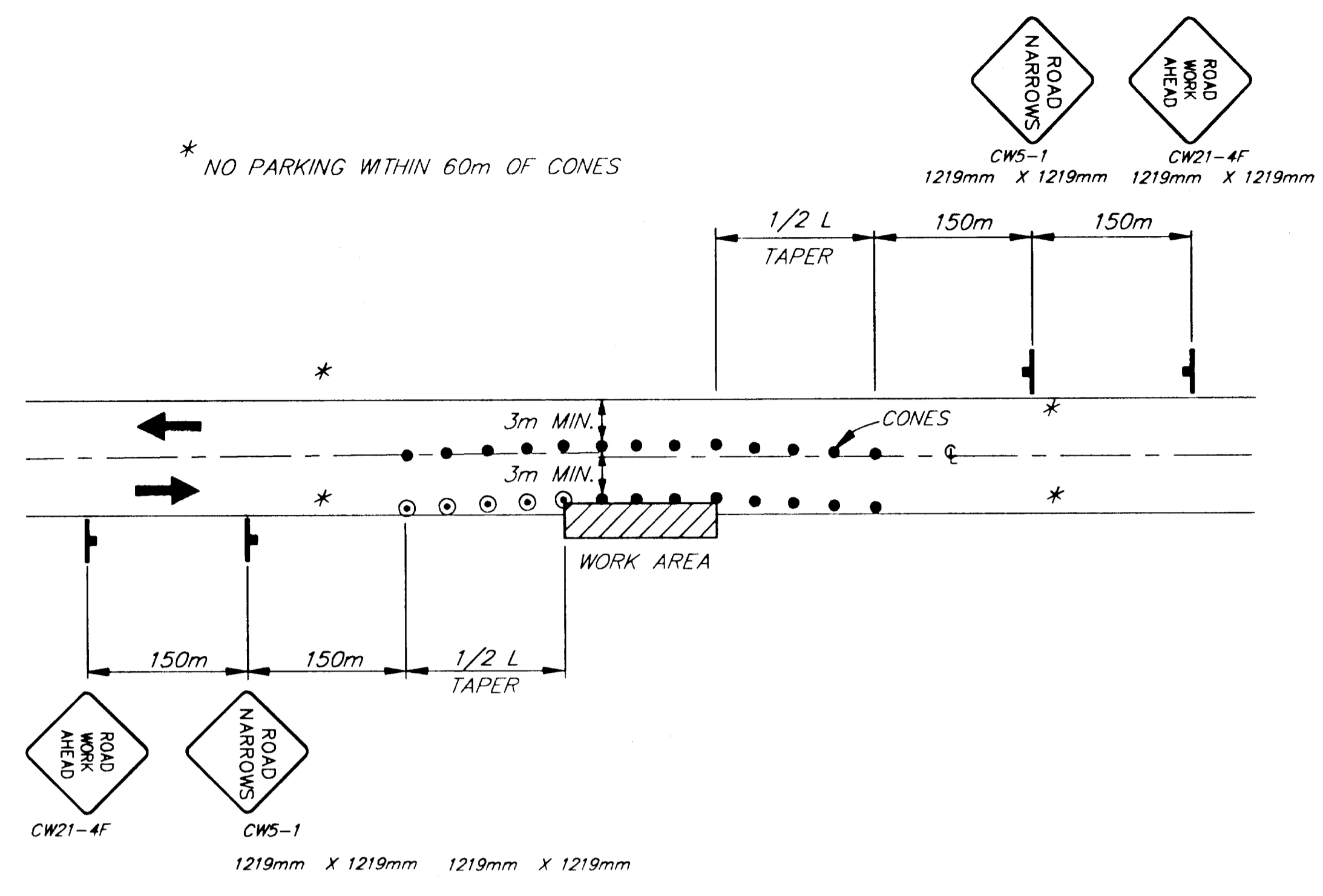
SHEET NUMBER	TOTAL SHEETS	
1-5	6	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
M.L.	K.K.	K.M.
ELECTRONIC PATHWAY:		
Q:\jnu\67898\Dr\TCP5.dwg		
EDTIME		
Kris Wed, 20/Jun/01 02:03PM		
STANDARDS:		
SPECIFICATIONS:		

**A SINGLE FLAGGER MAY BE USED INSTEAD OF TWO FLAGGERS IF APPROVED BY THE ENGINEER.



**SINGLE LANE CLOSURE
TWO LANE ROAD**

* NO PARKING WITHIN 60m 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 3m TO CENTERLINE) THE CENTERLINE CONES FOR THE OPPOSING LANE MAY BE DELETED.

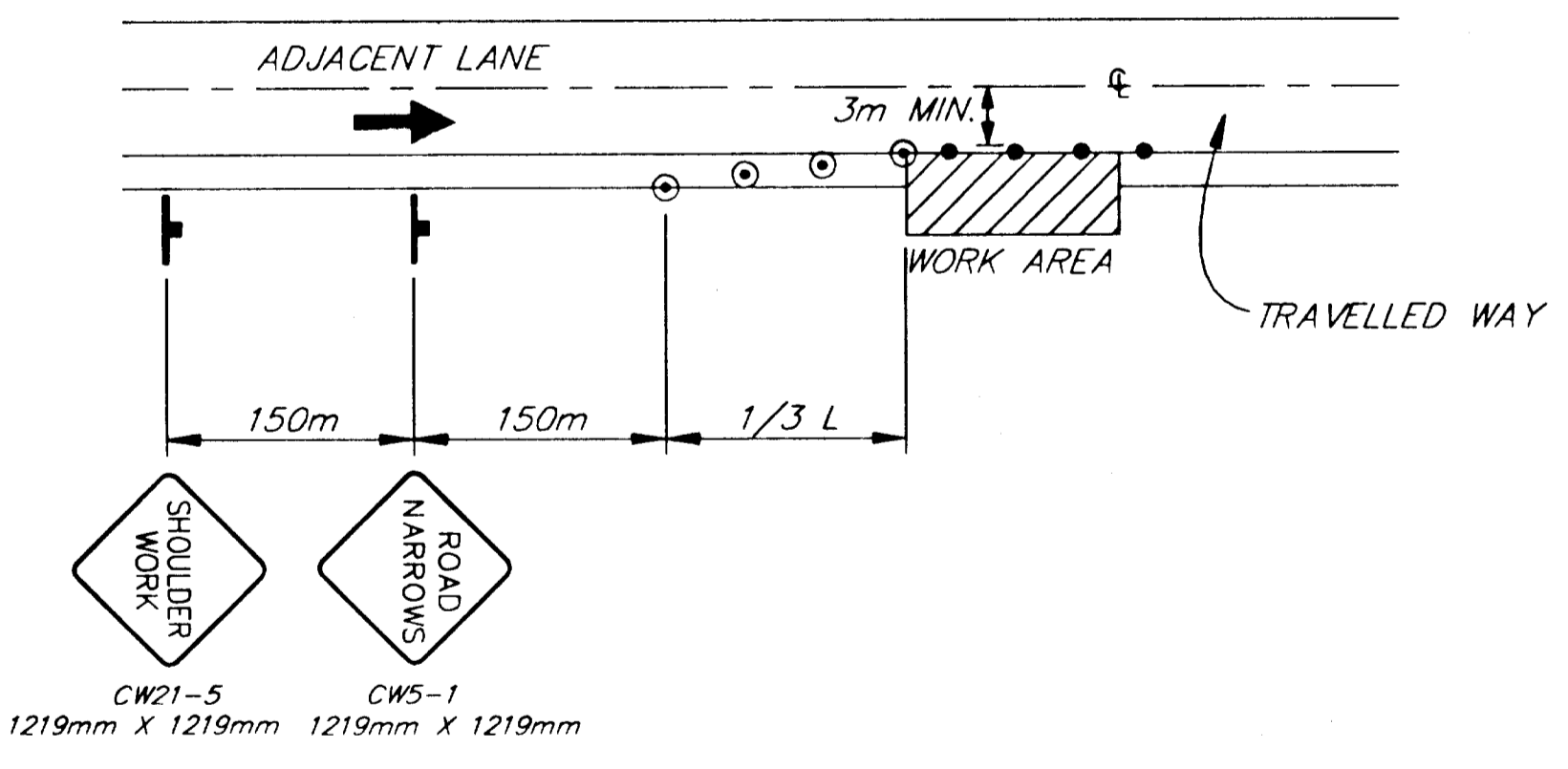
LEGEND

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

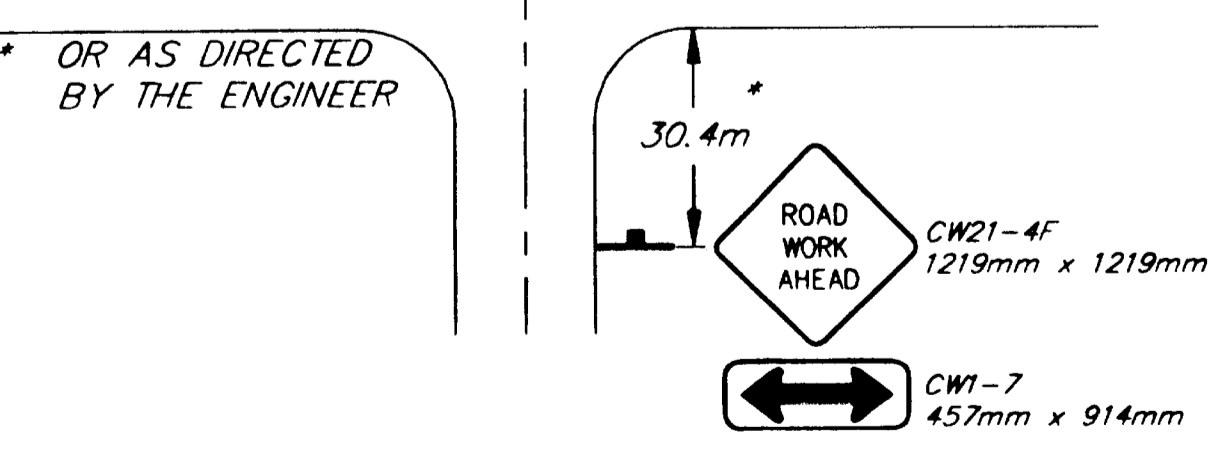
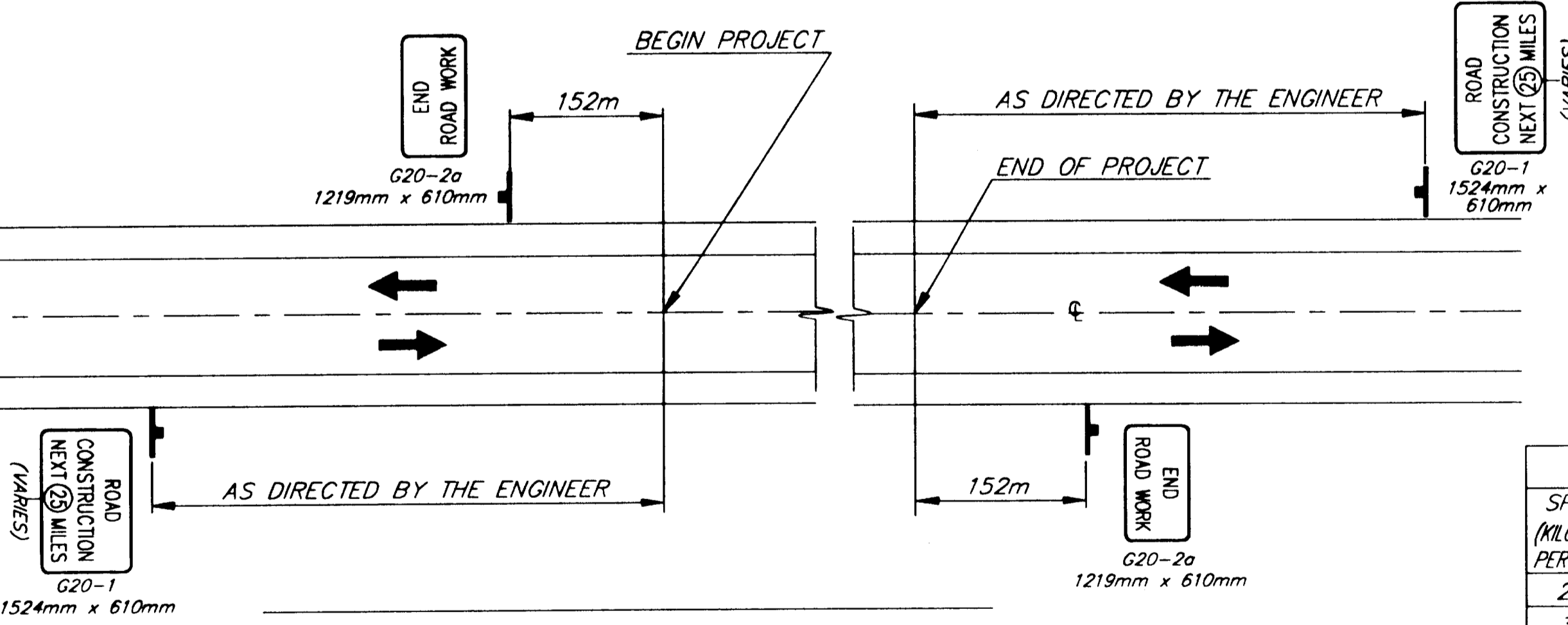
$L = W \times T$
 WHERE:
 L = LENGTH OF TAPER
 W = WIDTH OF OFFSET
 T = TAPER FACTOR

TCP TABLE SETUP

SPEED (KILOMETERS PER HOUR)	SPEED (MILES PER HOUR)	BUFFER/LENGTH (m)	CONE/DRUM SPACING (m)	TAPER FACTOR (T)
25	16	9	5	4:1
30	19	11	6	6:1
35	22	14	7	8:1
40	25	17	8	10:1
45	28	21	9	13:1
50	31	26	10	16:1
55	34	35	11	19:1
60	37	43	12	23:1
65	40	52	13	27:1
70	43	62	14	32:1
75	47	75	15	47:1
80	50	85	16	50:1
85	53	98	17	53:1
90	56	110	18	56:1



SHOULDER WORK

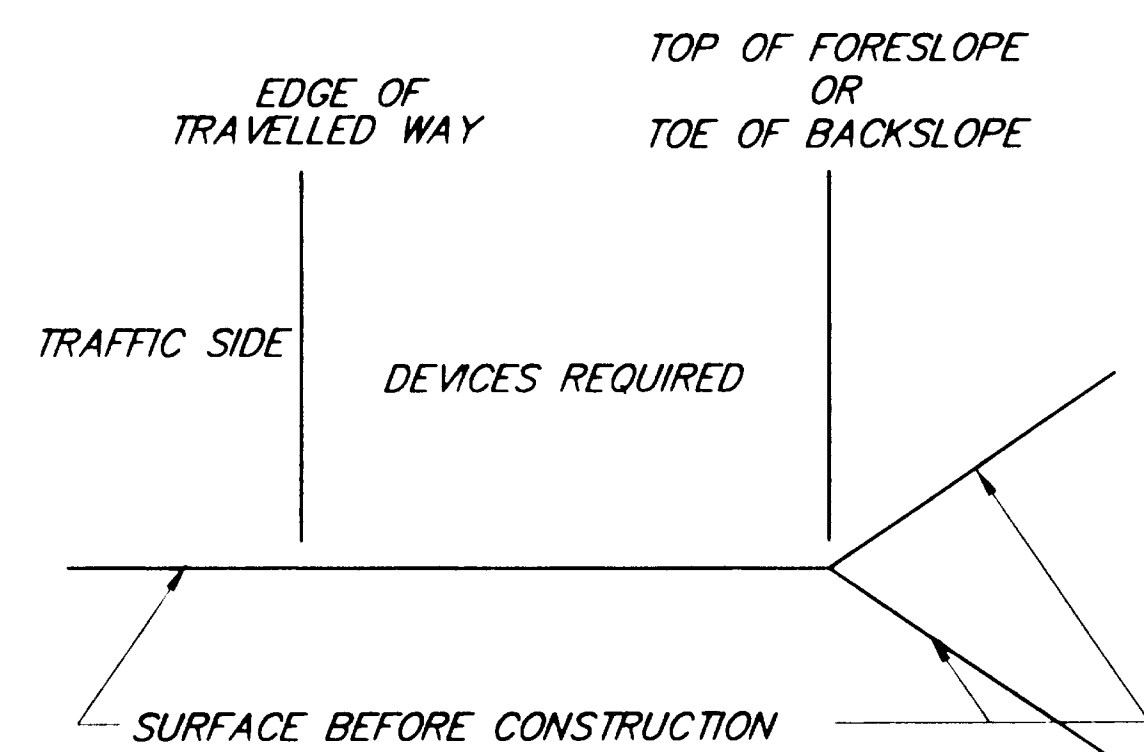


PERMANENT CONSTRUCTION SIGNING

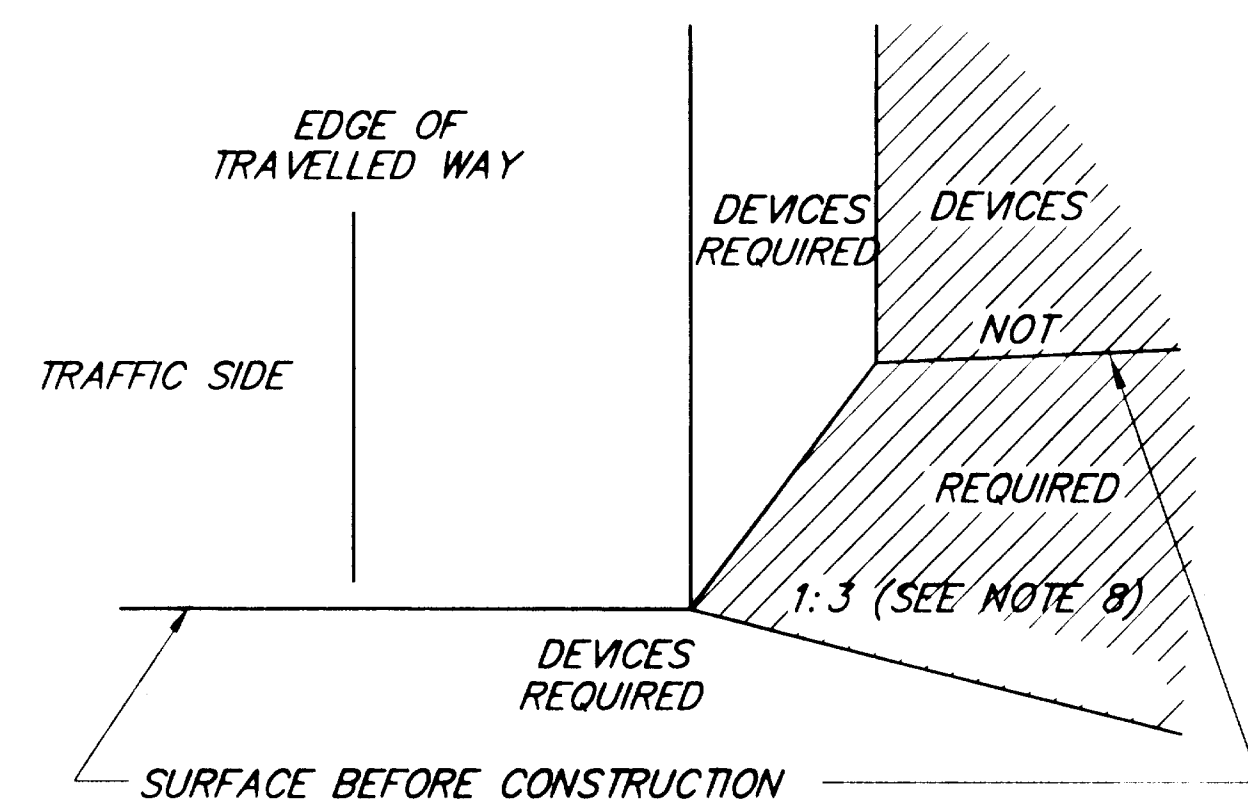
**JNU - GLACIER HIGHWAY/ANKA STREET
 INTERSECTION IMPROVEMENTS
 TRAFFIC CONTROL PLAN**



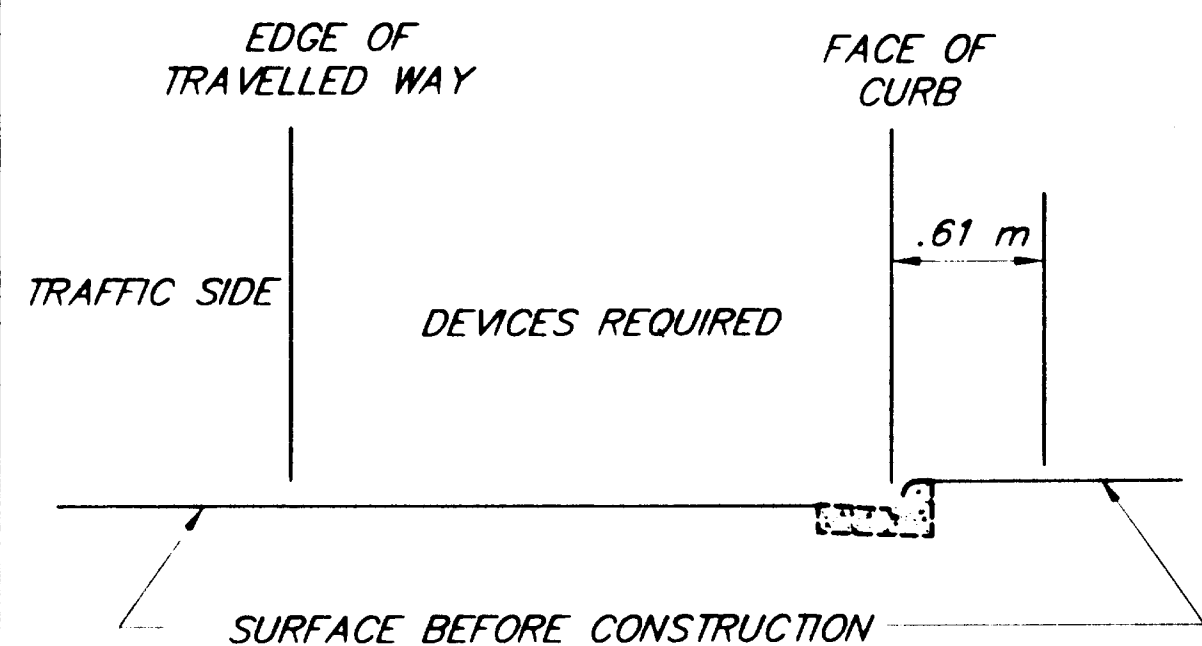
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
 SOUTHEAST
 REGION



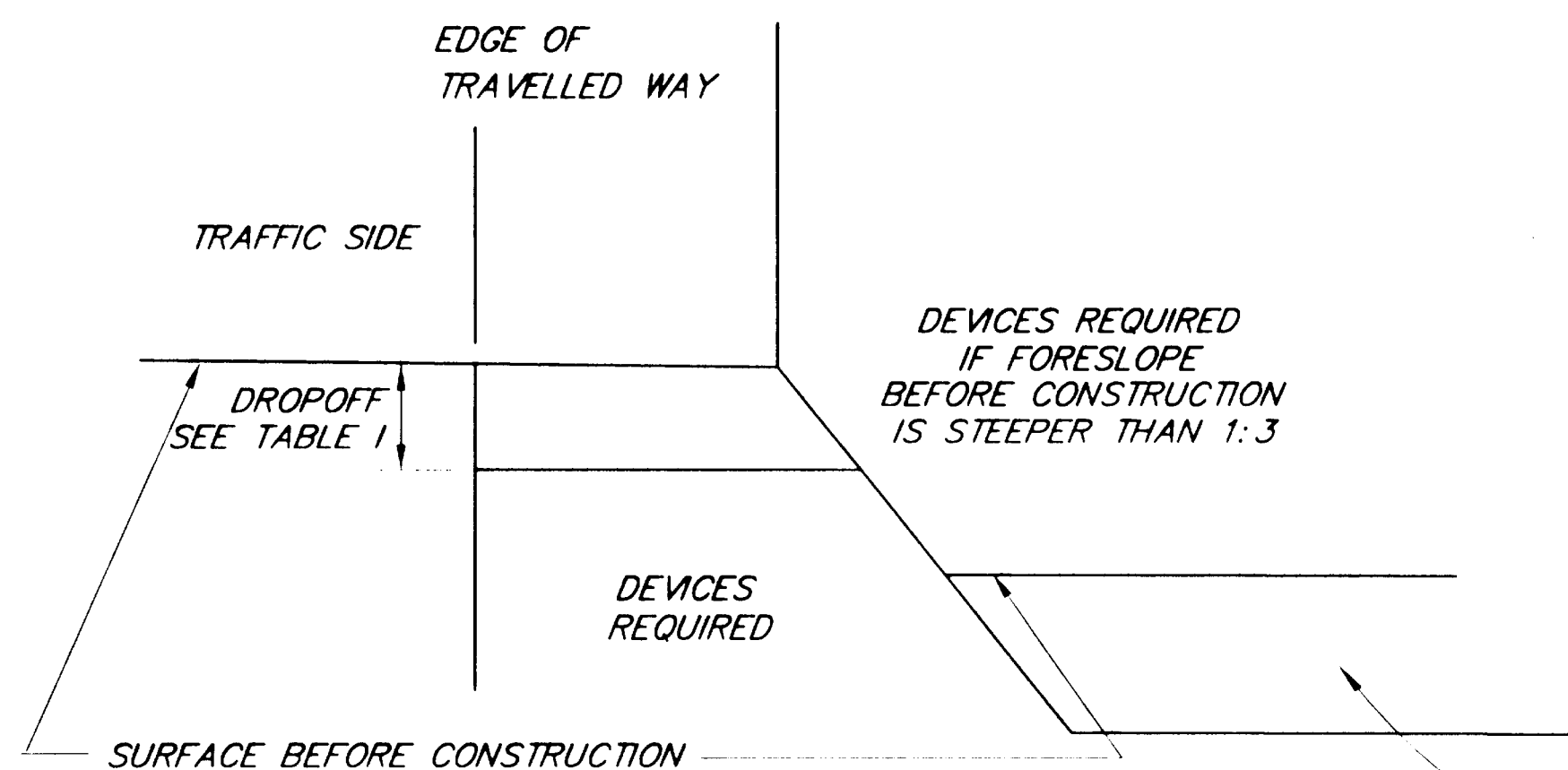
EMBANKMENT SECTION



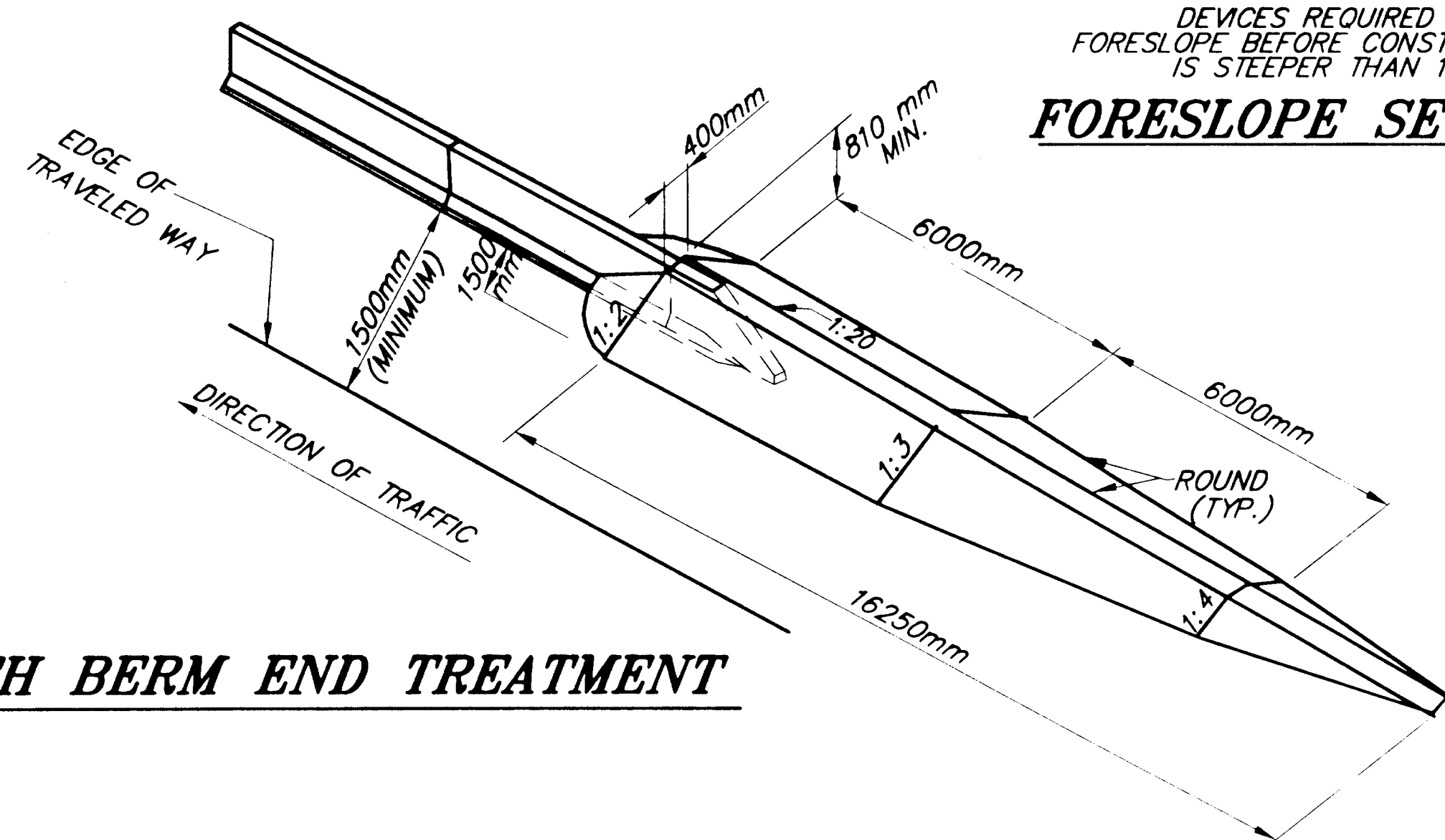
BACKSLOPE SECTION



CURB AND GUTTER SECTION



FORESLOPE SECTION



EARTH BERM END TREATMENT

**TABLE 1
TRAFFIC CONTROL DEVICES REQUIRED FOR
DROPOFFS ADJACENT TO TRAVELLED WAY**

ROADWAY TYPE	DROPOFF ≤ 51	51 < DROPOFF < 305	DROPOFF ≥ 305
AVERAGE DAILY TRAFFIC > 4000 OR SPEED > 64 kmh	TUBULAR CANDLES	TYPE II BARRICADES OR DRUMS	TEMPORARY PORTABLE CONCRETE BARRIER OR TEMPORARY GUARDRAIL
ALL OTHER ROADWAYS	NONE REQUIRED	TYPE II BARRICADES OR DRUMS	TYPE II BARRICADES OR DRUMS





SPACE TUBULAR CANDLES, BARRICADES AND DRUMS IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL.

GENERAL NOTES:

- TRAFFIC CONTROL DEVICES REQUIRED BY THE GUIDELINES ON THIS SHEET ARE INTENDED FOR CONDITIONS WHICH WILL BE IN PLACE LONGER THAN THREE DAYS. FOR CONDITIONS WHICH WILL BE IN PLACE LESS THAN THREE DAYS LESSER REQUIREMENTS MAY APPLY. IN EITHER CASE, AN APPROVED TRAFFIC CONTROL PLAN IS REQUIRED PRIOR TO BEGINNING WORK.
- THE GROUND CROSS SECTION AT A LOCATION BEFORE CONSTRUCTION DETERMINES WHETHER TRAFFIC CONTROL DEVICES ARE NEEDED AT THE SAME LOCATION DURING CONSTRUCTION.
- GUARDRAIL EXISTING AT A LOCATION BEFORE CONSTRUCTION SHALL REMAIN IN PLACE DURING CONSTRUCTION OR APPROVED ALTERNATE DEVICES INSTALLED.
- INSTALL TRAFFIC CONTROL DEVICES BETWEEN THE EDGE OF TRAVELLED WAY AND THE WORK AREA ON ANY ROADWAY OPENED TO TRAFFIC WHEN REQUIRED BY THIS DRAWING.
- EXISTING ROADWAY ALIGNMENTS
INSTALL TRAFFIC CONTROL DEVICES WHEN WORK OCCURS IN THE DEVICES REQUIRED AREAS SHOWN ON THIS DRAWING.
- DETOURS, TEMPORARY ROADWAYS, OR NEW ROADWAYS NOT YET COMPLETE.
INSTALL TRAFFIC CONTROL DEVICES WHEN ANY OF THE FOLLOWING CONDITIONS EXIST:
 - THE HORIZONTAL OR VERTICAL CURVATURE IS MORE SEVERE THAN BEFORE CONSTRUCTION BEGAN.
 - THE ROADWAY OR SHOULDER WIDTH IS LESS THAN BEFORE CONSTRUCTION BEGAN.
 - THE BACKSLOPE OR FORESLOPE IS STEEPER THAN BEFORE CONSTRUCTION BEGAN.
 - THE HEIGHT OF THE FORESLOPE IS GREATER THAN BEFORE CONSTRUCTION BEGAN.
- DROPOFFS
INSTALL TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE FORESLOPE SECTION DETAIL AND TABLE 1.
- ON ANY NEWLY CONSTRUCTED SLOPE STEEPER THAN 1:4 TO 1:3 PROVIDE A 3 METER FLAT RECOVERY AREA AT THE TOE OF SLOPE OR INSTALL TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE FORESLOPE SECTION DETAIL.
- TRAFFIC CONTROL DEVICE REQUIREMENTS
 - ON ROADWAYS WITH A SPEED LIMIT GREATER THAN 64 KILOMETERS PER HOUR OR AVERAGE DAILY TRAFFIC VOLUME GREATER THAN 4000 VEHICLES PER DAY INSTALL TEMPORARY PORTABLE CONCRETE BARRIER, TEMPORARY GUARDRAIL OR ON MULTI-LANE ROADWAYS CLOSE THE LANE CLOSEST TO THE WORK AREA AND INSTALL DRUMS SPACED IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL.

TERMINATE RUNS OF TEMPORARY PORTABLE CONCRETE BARRIER USING ONE OF THE FOLLOWING FOUR METHODS:
 - TEMPORARY CRASH ATTENUATOR.
 - RIGID TO SEMI-RIGID GUARDRAIL TRANSITION WITH SLOTTED RAIL TERMINAL OR OTHER APPROVED CRASHWORTHY END TREATMENT.
 - FLARE THE ENDS OF THE TEMPORARY BARRIER AWAY FROM THE ROADWAY AT A RATE OF 1:15 ON A TRANSVERSE SLOPE OF 1:10 OR FLATTER TO THE OUTSIDE EDGE OF THE CLEAR ZONE AND INSTALL A SLOPING END TREATMENT, PER STANDARD DRAWING G-45.01[M].
 - CONSTRUCT A EARTH BERM AS DESCRIBED IN THE CURRENT AASHTO ROADSIDE DESIGN GUIDE.
 TERMINATE RUNS OF TEMPORARY GUARDRAIL USING EITHER OF THE FOLLOWING TWO METHODS:
 - SLOTTED RAIL TERMINAL OR OTHER APPROVED CRASHWORTHY END TREATMENT.
 - FLARE THE ENDS OF THE TEMPORARY GUARDRAIL AWAY FROM THE ROADWAY AT A RATE OF 1:15 ON A TRANSVERSE SLOPE OF 1:10 OR FLATTER TO THE OUTSIDE EDGE OF THE CLEAR ZONE.
 - ON ALL OTHER ROADWAYS INSTALL TYPE II BARRICADES OR DRUMS WHEN DEVICES ARE REQUIRED. SPACE THE BARRICADES OR DRUMS IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL.

LEGEND

-  WORK AREA WHERE TRAFFIC CONTROL DEVICES ARE REQUIRED
-  WORK AREA WHERE TRAFFIC CONTROL DEVICES ARE NOT REQUIRED
-  SURFACE BEFORE CONSTRUCTION
-  CONSTRUCTION AREA BOUNDARY

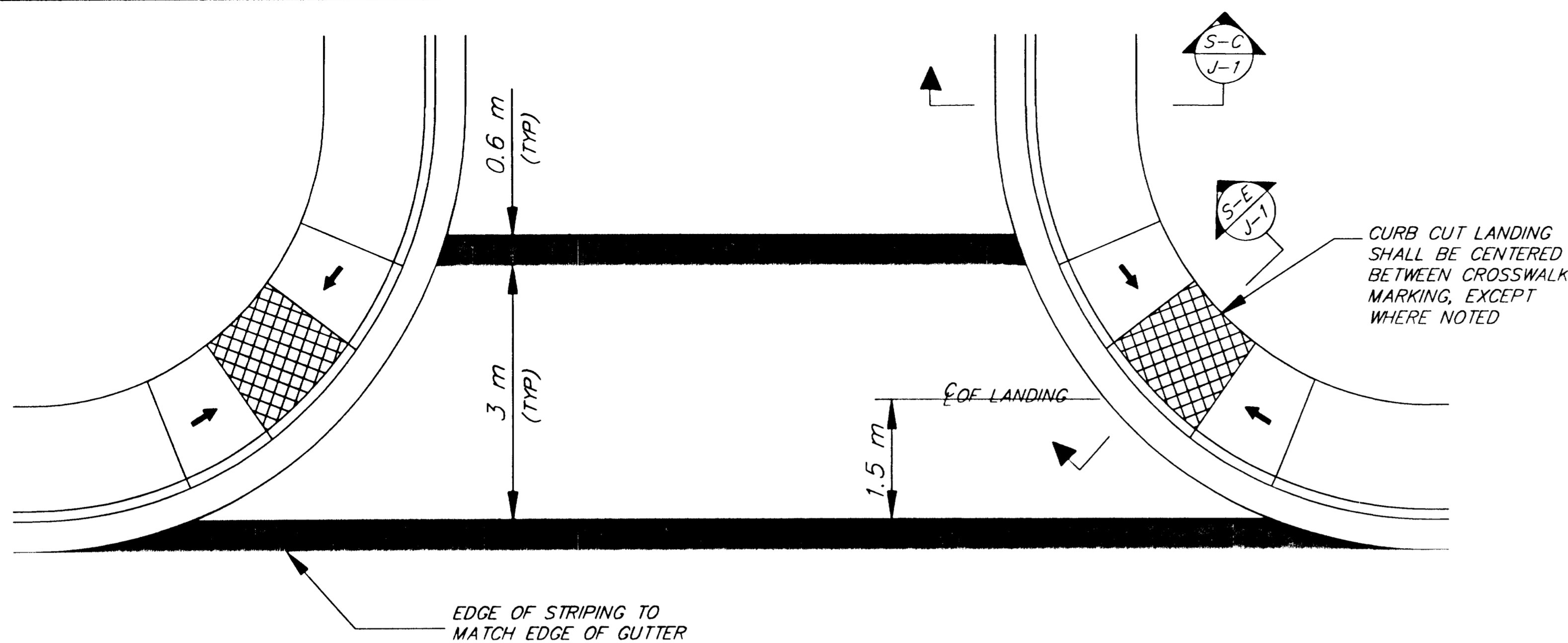
**JNU-GLACIER HIGHWAY/ANKA STREET
INTERSECTION IMPROVEMENTS
TRAFFIC CONTROL PLAN**

SHEET NUMBER	TOTAL SHEETS	
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DATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
ALTERNUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY	DRAWN BY	CHECKED BY
M.L.	K.K.	K.M.
ELECTRONIC PATHWAY:		
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EDTIME		
Rhonda Wed, 20 Jun 01 02:07PM		
STANDARDS:		
SPECIFICATIONS:		

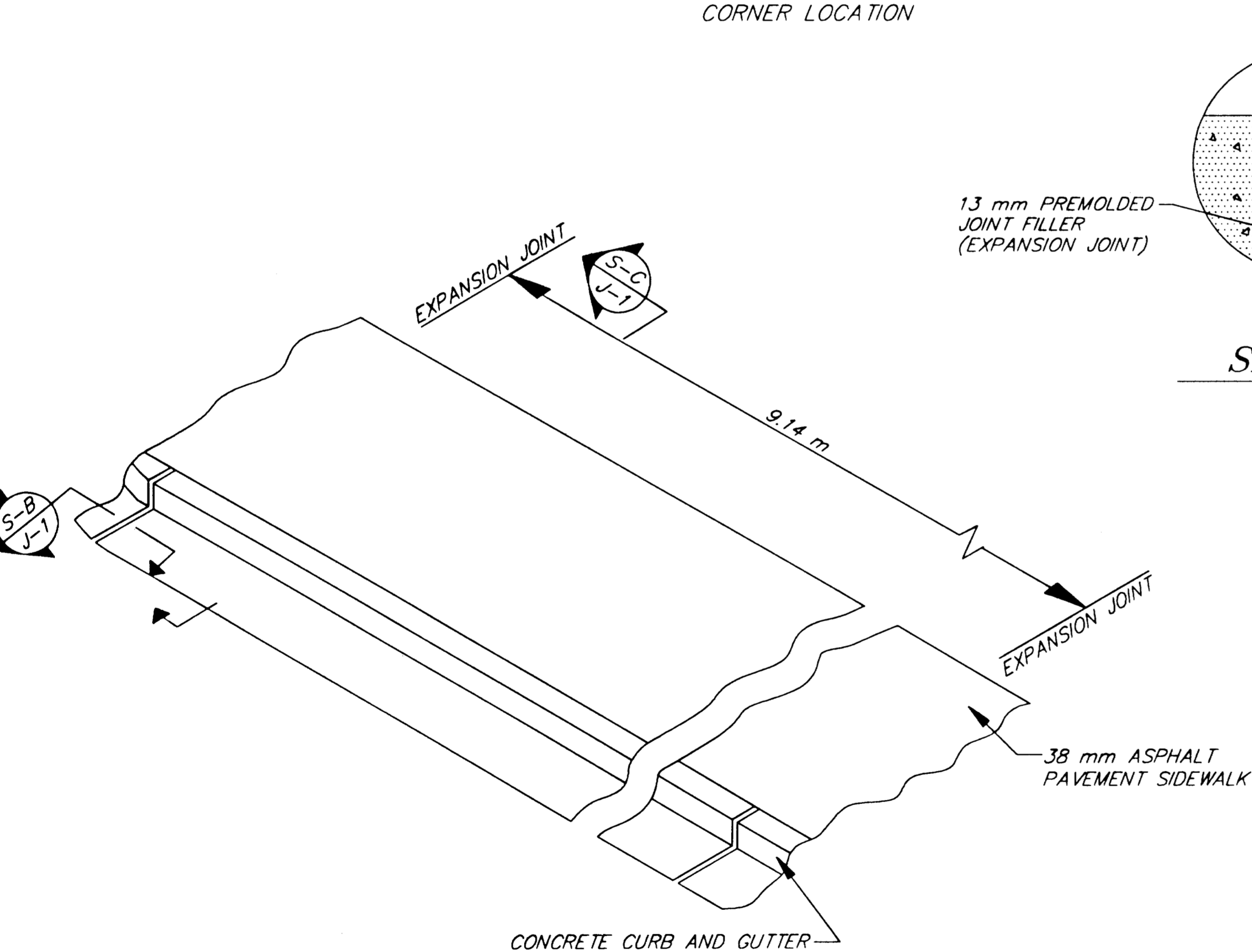


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

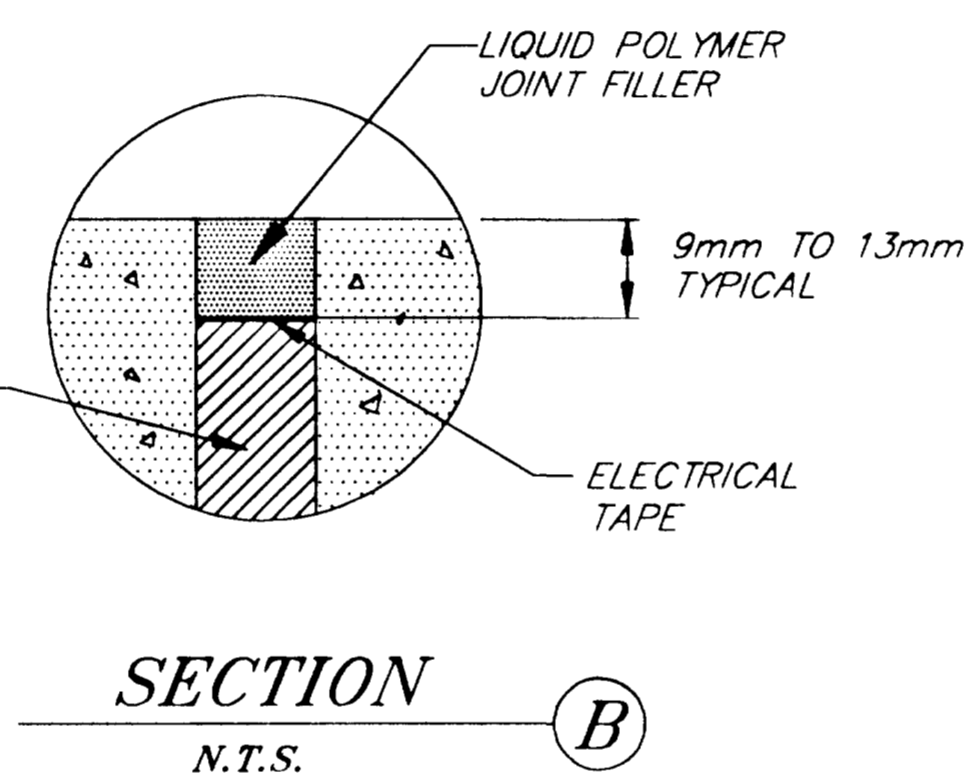
SOUTHEAST
REGION



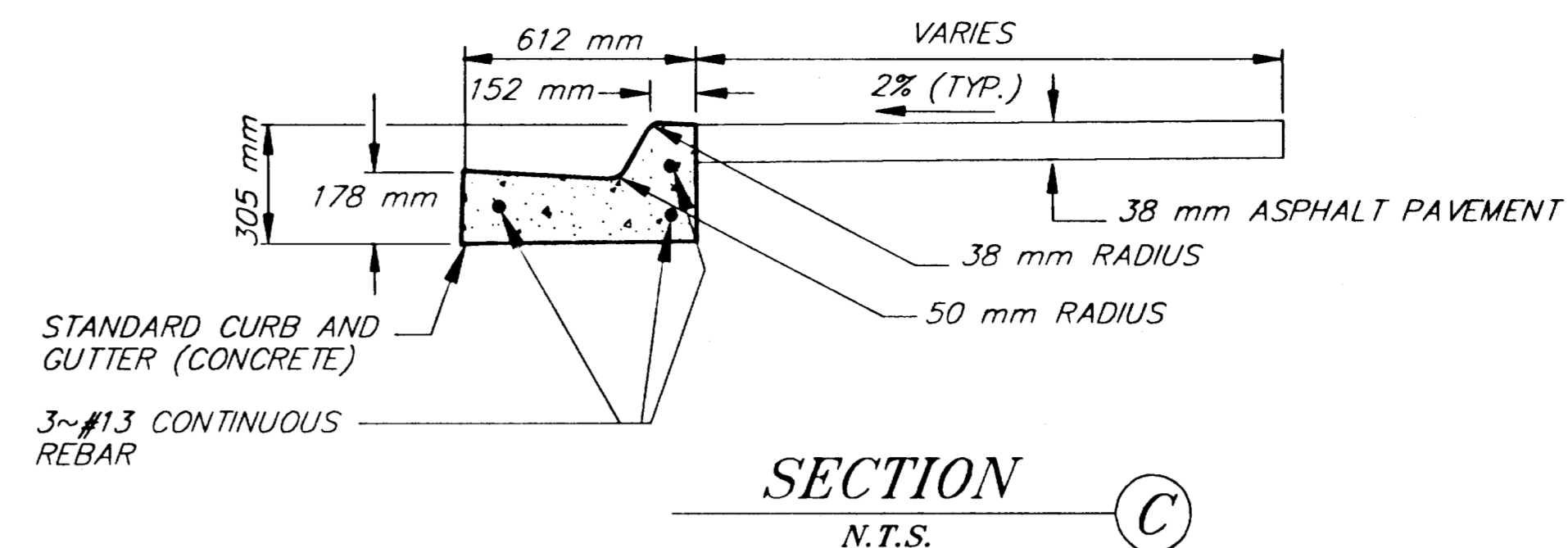
PARALLEL CURB RAMP
CORNER LOCATION



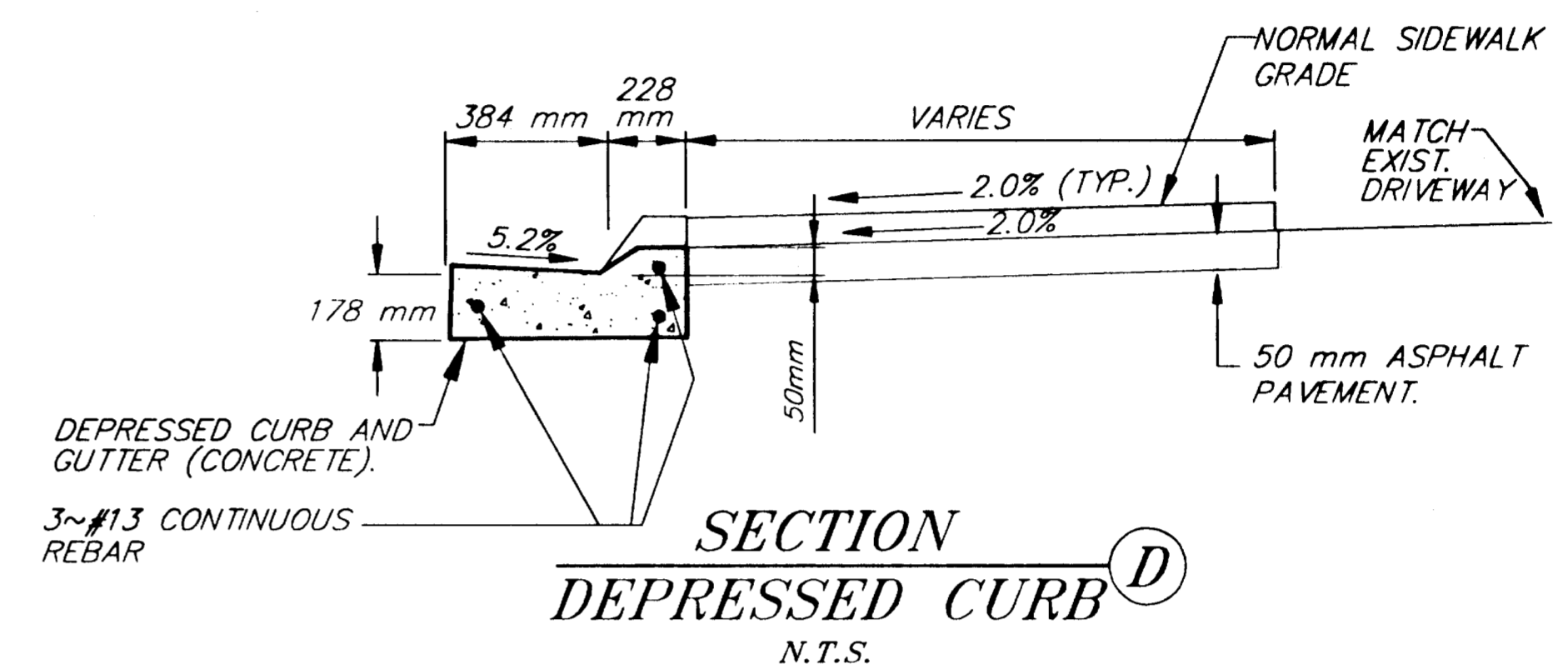
TYPICAL SIDEWALK, CURB & GUTTER JOINT DETAIL
N.T.S.



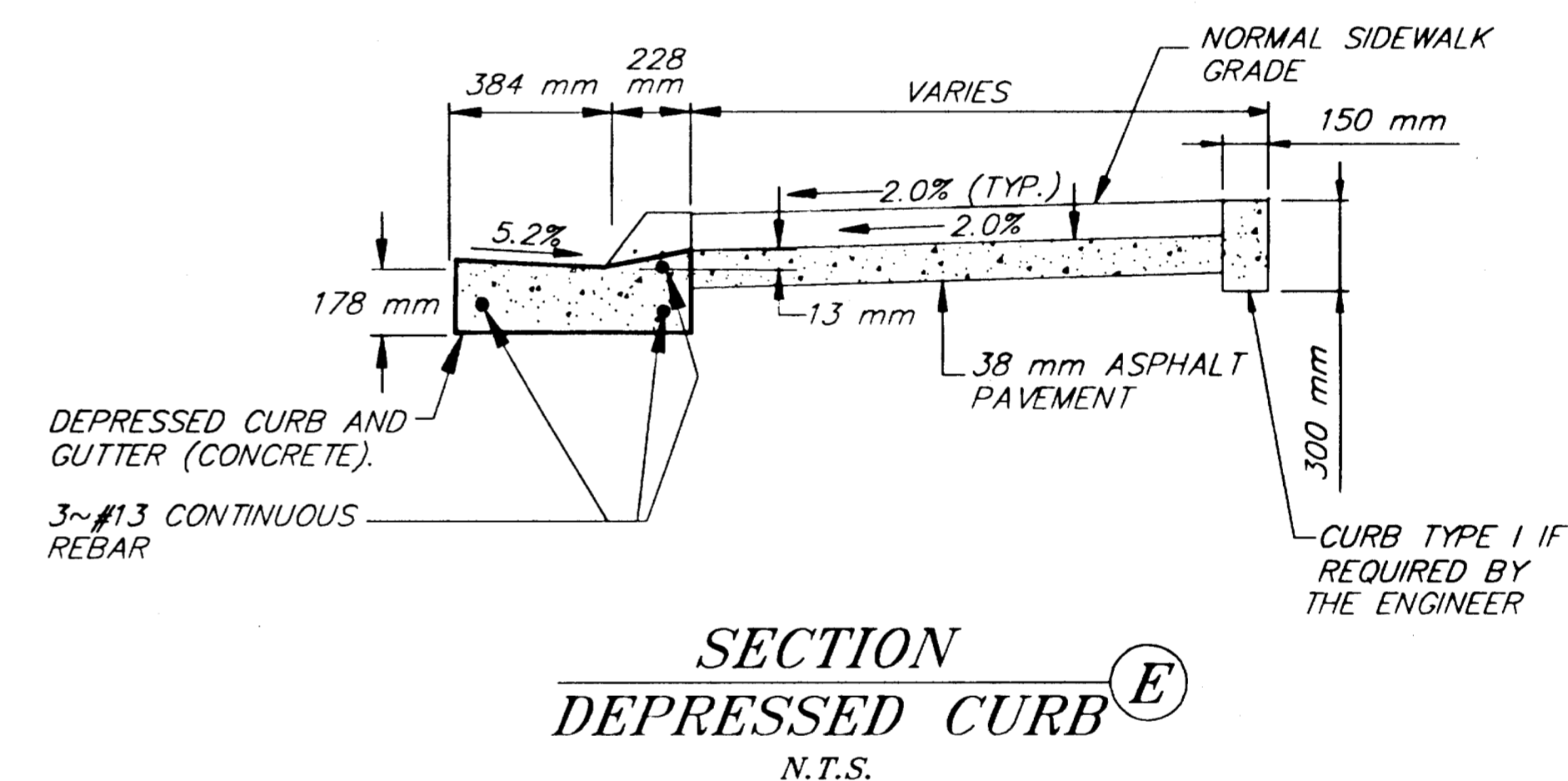
SECTION B
N.T.S.



SECTION C
N.T.S.



SECTION D
DEPRESSED CURB
N.T.S.



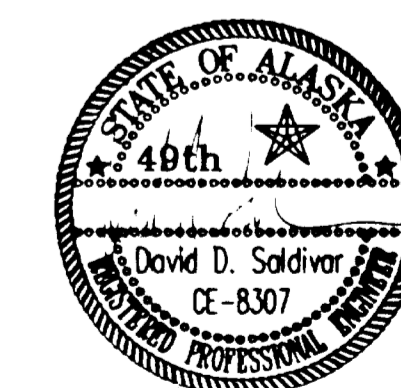
SECTION E
DEPRESSED CURB
N.T.S.

SIDEWALK, CURB AND GUTTER NOTES

1. CURB AND GUTTER EXPANSION JOINTS SHALL BE AT EACH END OF THE CURB RETURNS AND IMMEDIATELY PRECEDING AND FOLLOWING ALL CURB CUTS. THEREAFTER, THEY SHALL BE PLACED AT 9.14 m MAXIMUM.
2. CURB CUTS FOR COMMERCIAL DRIVEWAYS AND CURB RETURNS SHALL NOT EXCEED THE MAXIMUM ALLOWABLE SLOPE OF 12:1.
3. ALL CURB RETURNS SHALL BE WHEELCHAIR ACCESSIBLE AS SHOWN ON THE SIDEWALK DETAIL SHEETS.
4. IF EXISTING JOINT IS WITHIN 610mm OF RECONSTRUCTION AREAS, REMOVE AT JOINT INSTEAD OF SAWCUTTING. THIS DOES NOT APPLY TO NEW CONSTRUCTION.
5. LANDINGS SHALL BE CONTAINED WITHIN THE MARKED CROSSWALK.
6. SEE CURB CUT SUMMARY ON SHEET D-2 FOR STATION AND OFFSET.

SHEET NUMBER	TOTAL SHEETS	
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STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955C(11)	
APPENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
C.H.	K.K.	D.S.
ELECTRONIC PATHWAY:		
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EDTIME		
Kris Wed, 20/Jun/01 02:04PM		
STANDARDS:		
SPECIFICATIONS:		

JNU - GLACIER HIGHWAY/ANKA STREET
INTERSECTION IMPROVEMENTS
SIDEWALK DETAILS



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST
REGION

SHEET NUMBER	TOTAL SHEETS
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STATE	YEAR
ALASKA	2001
PROJECT DESIGNATION NUMBERS	
67898	CA-0955(11)
APPENDUM NUMBER	
ATTACHMENT NUMBER	

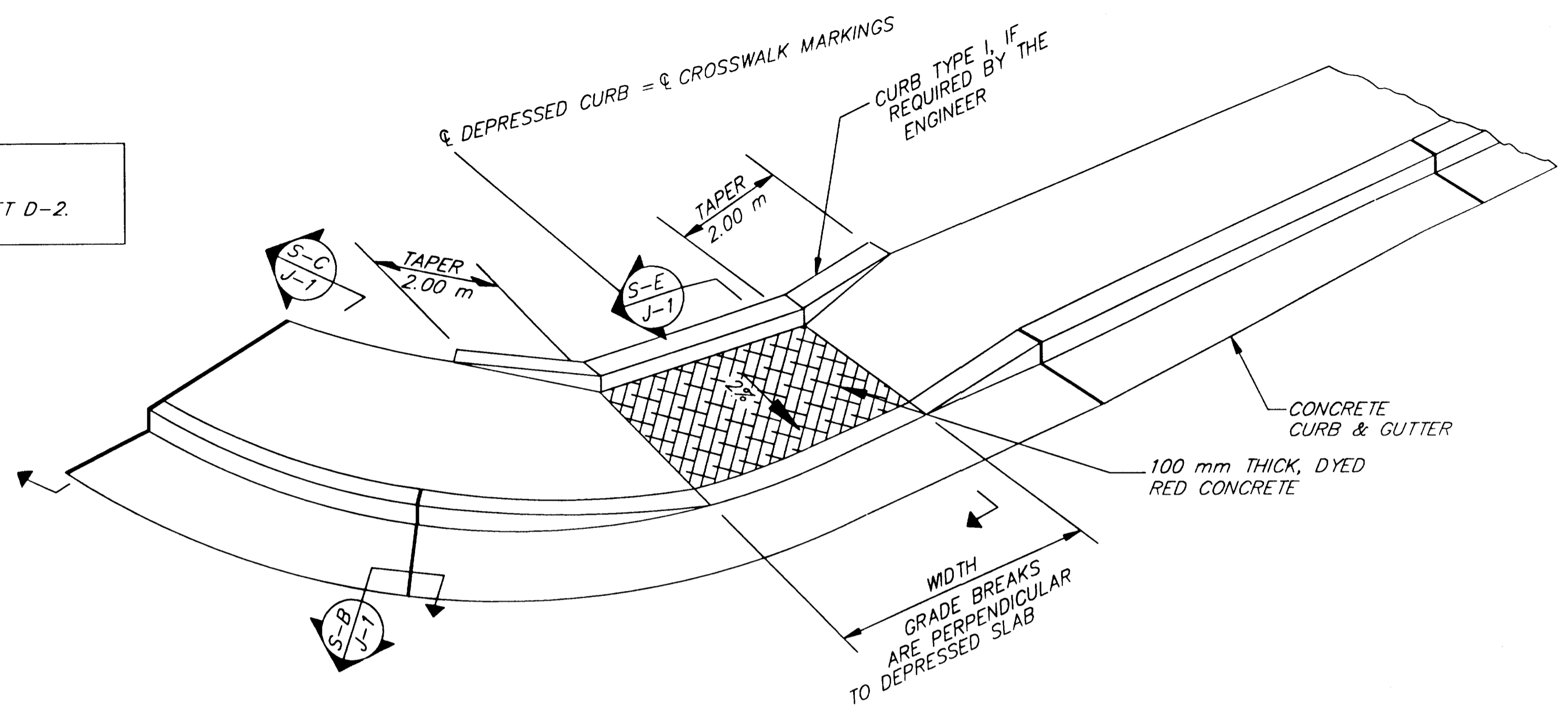
DESIGNED BY:	DRAWN BY:	CHECKED BY:
C.H.	K.K.	D.S.

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EDTIME
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STANDARDS:

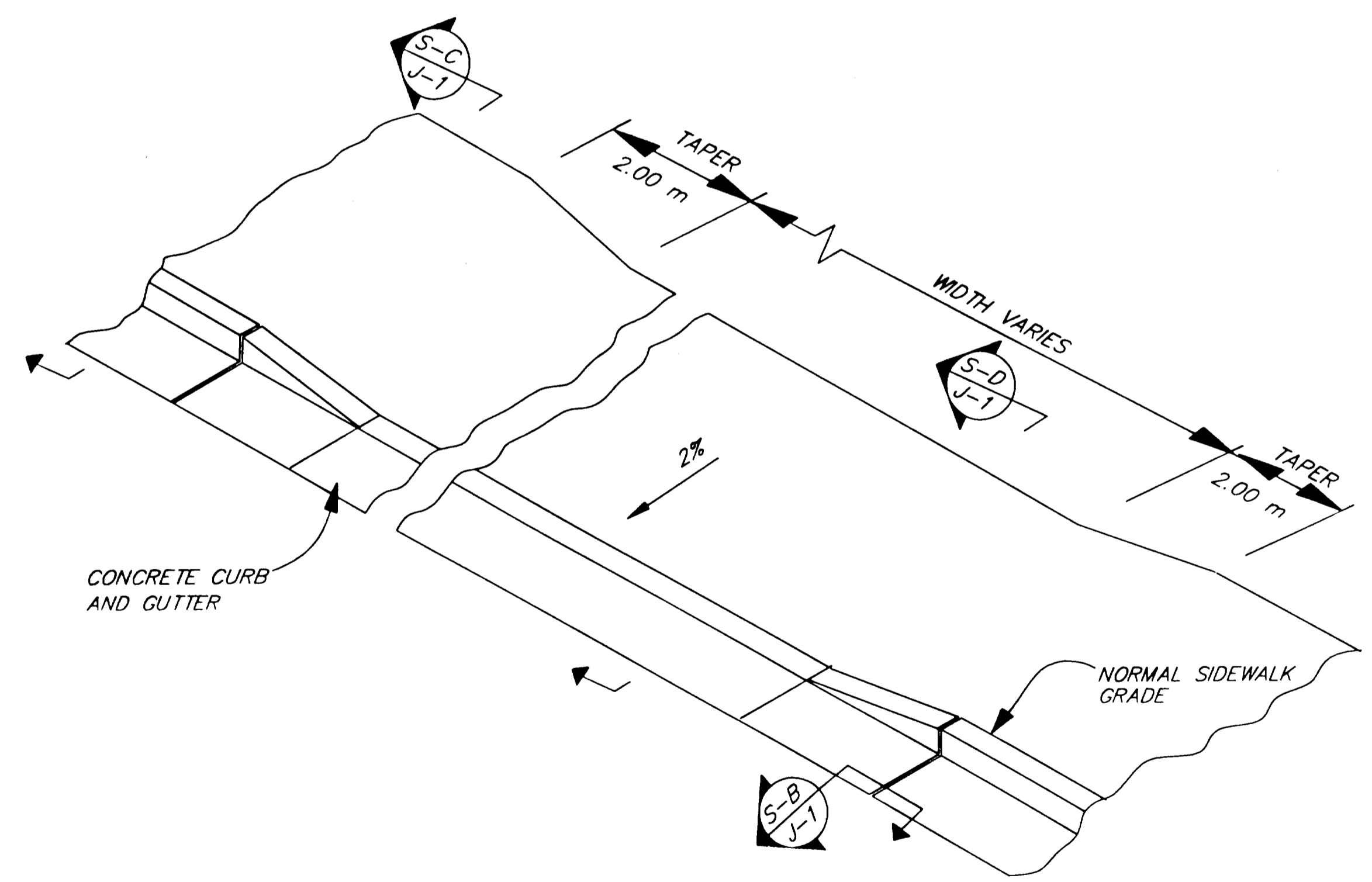
SPECIFICATIONS:

JNU - GLACIER HIGHWAY/ANKA STREET
INTERSECTION IMPROVEMENTS
SIDEWALK DETAILS

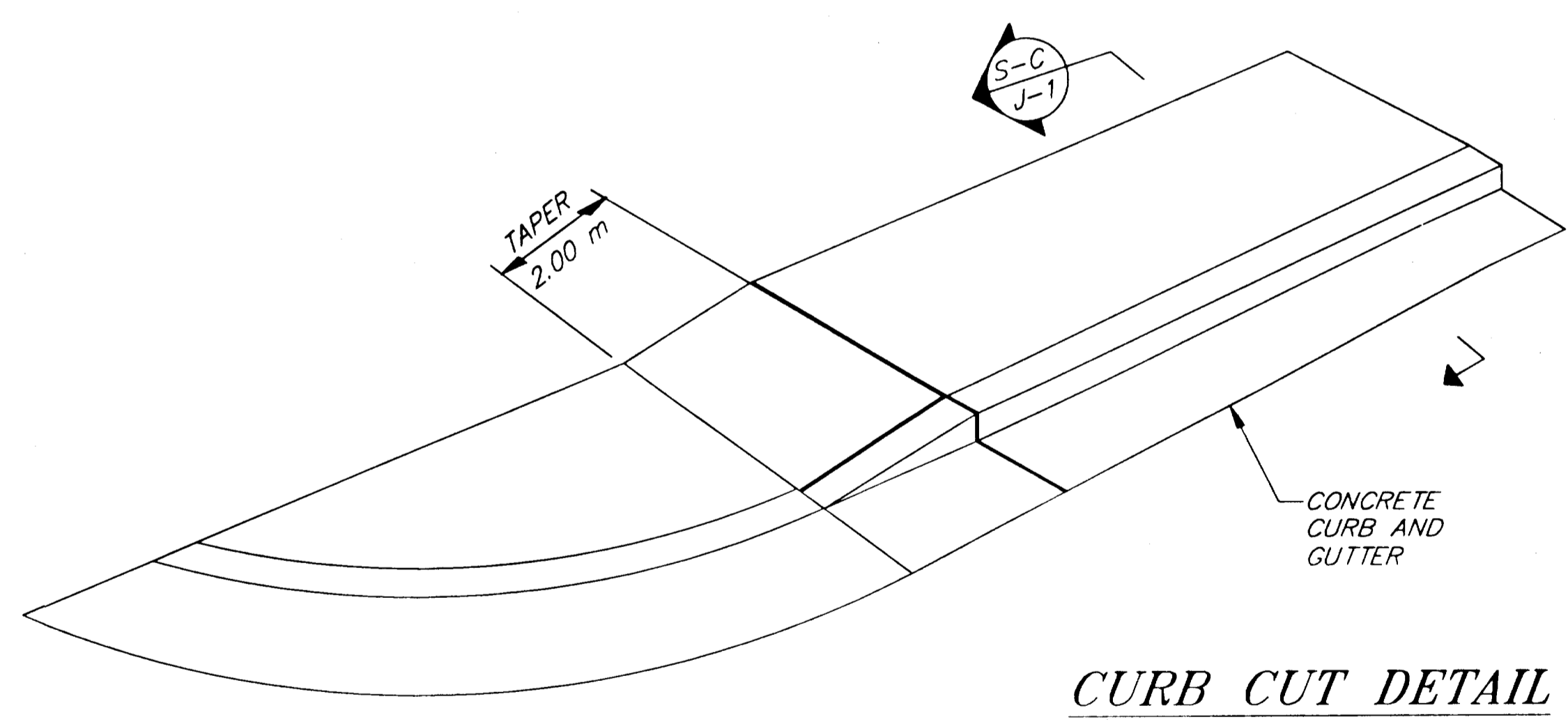
NOTE:
CURB CUT SUMMARY ON SHEET D-2.



CURB CUT - TYPE I
(PARALLEL CURB RAMP)



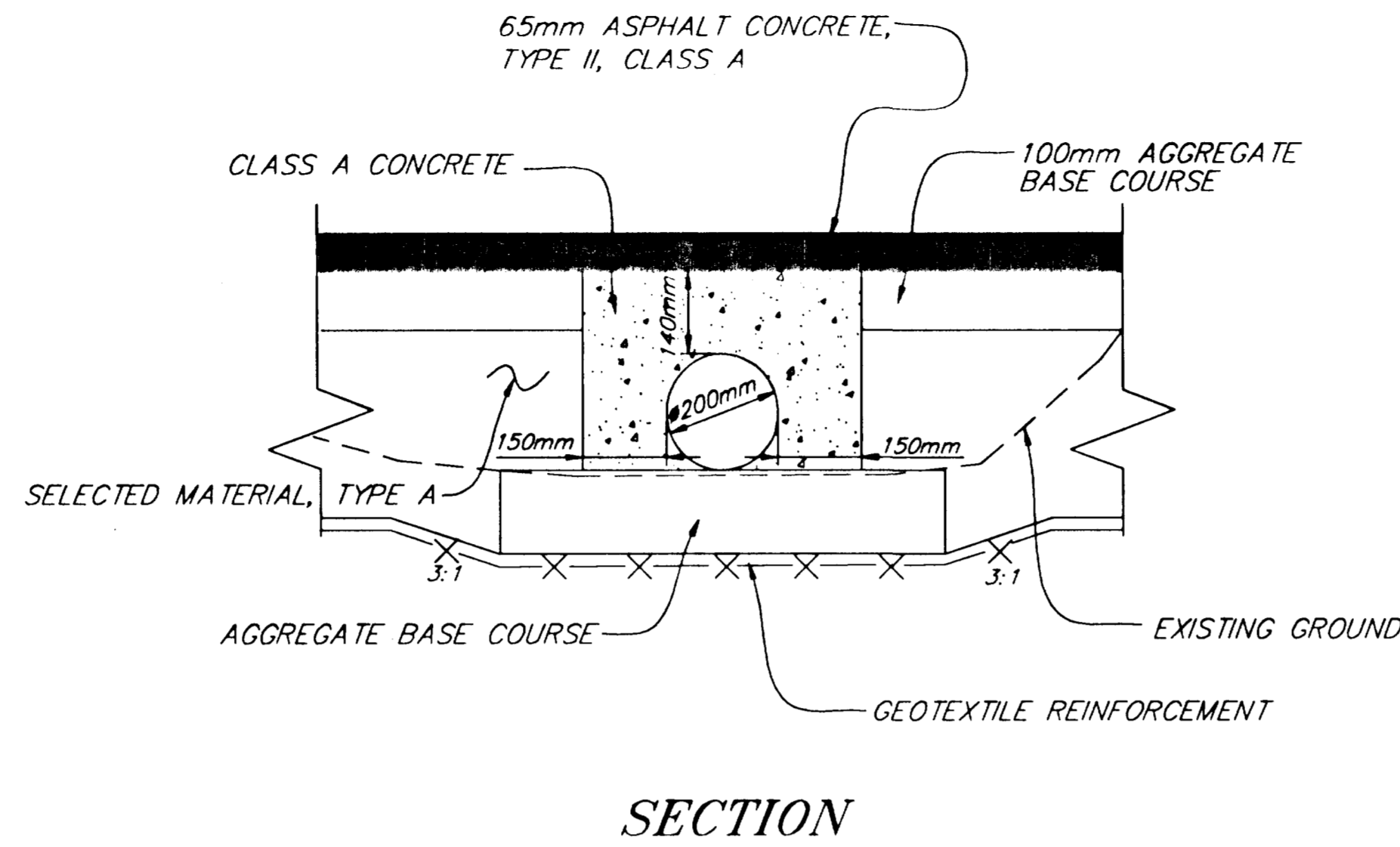
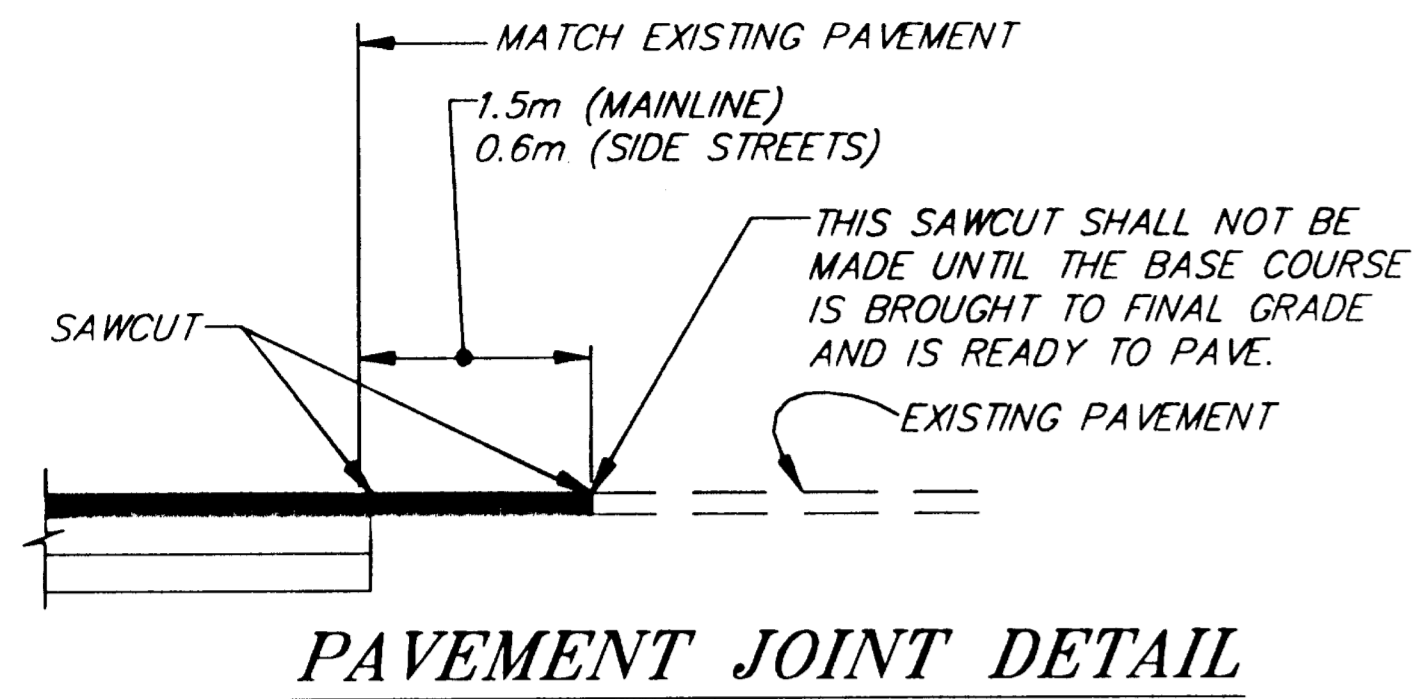
**DRIVEWAY
CURB CUT DETAIL
TYPE II**



**CURB CUT DETAIL
TYPE I**

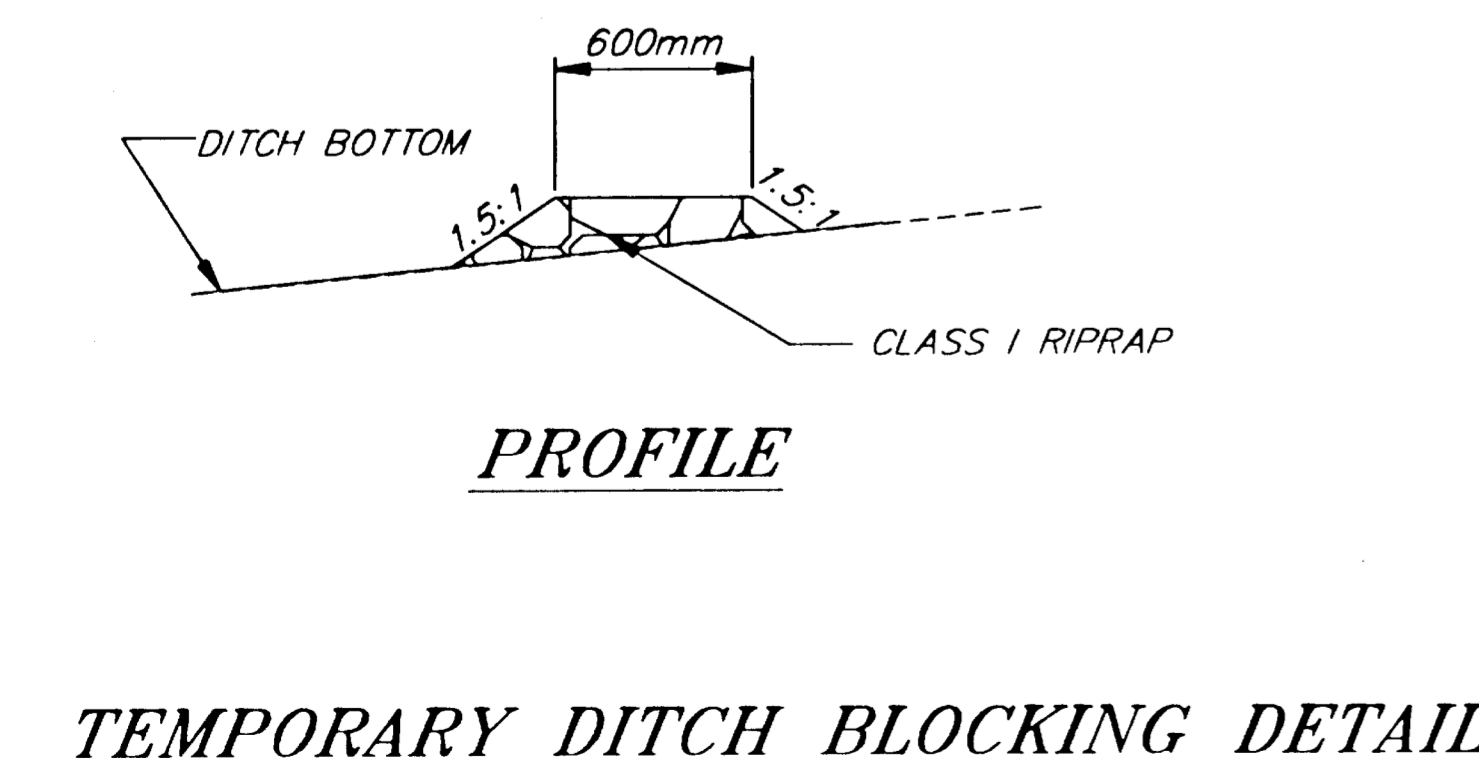
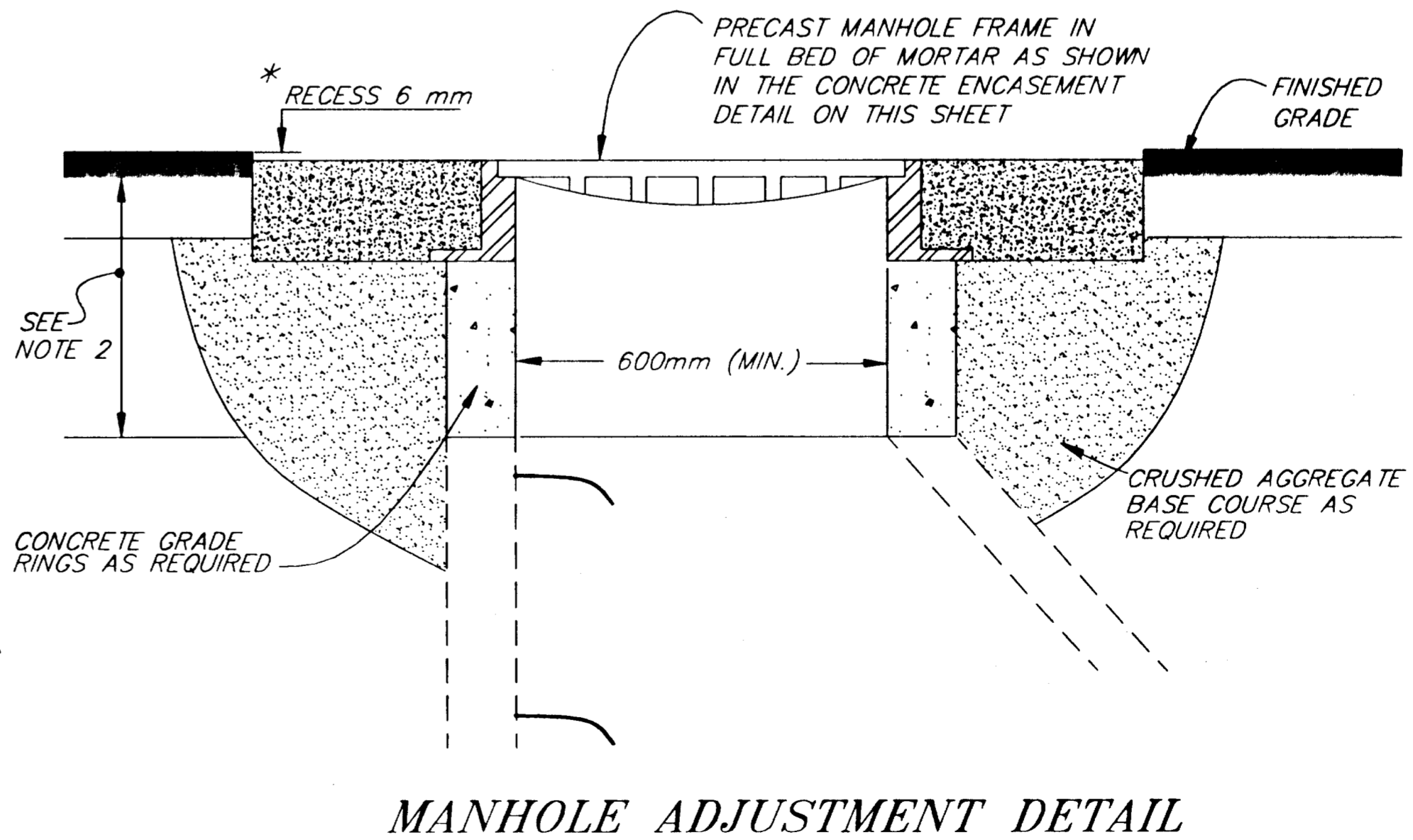
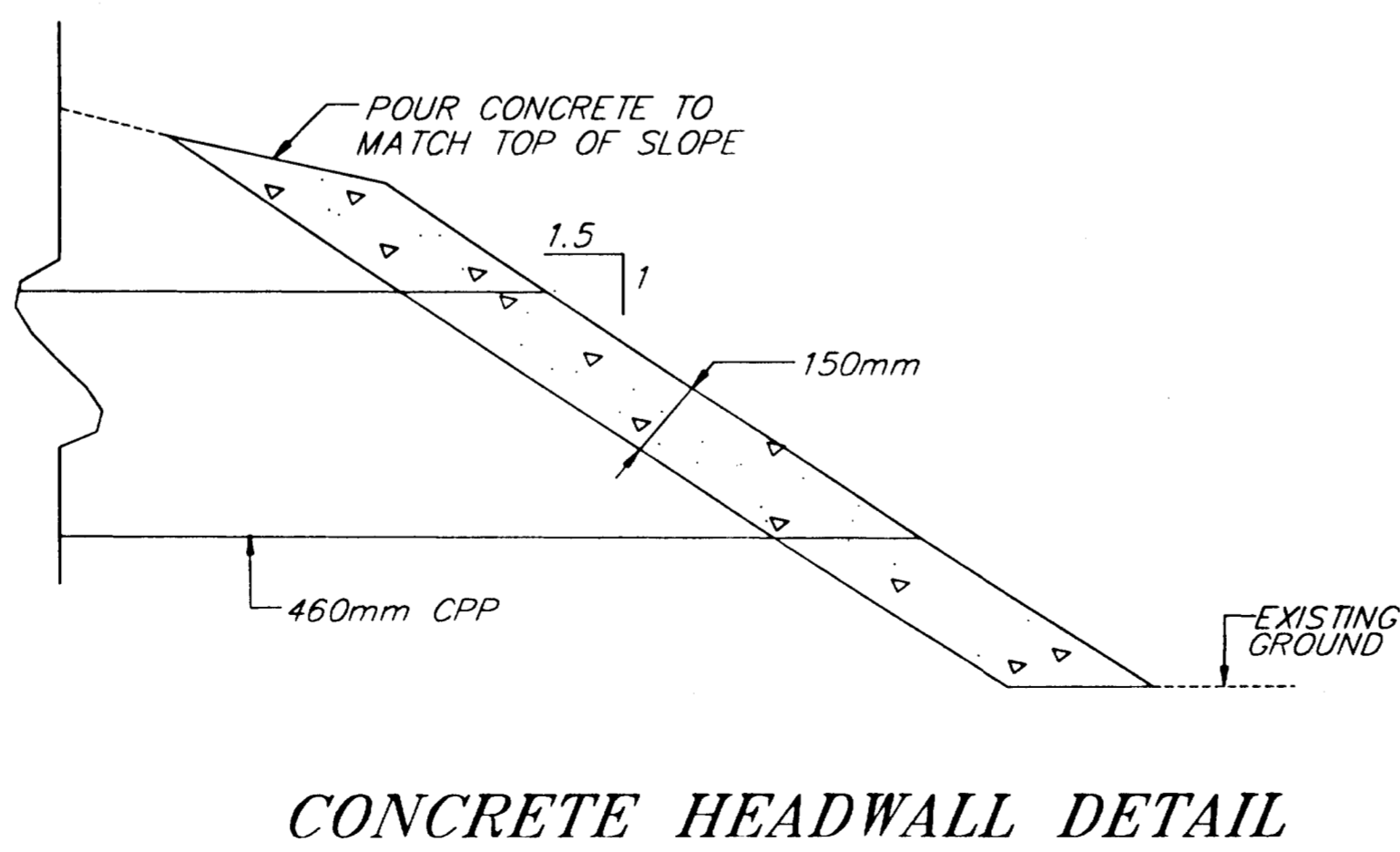
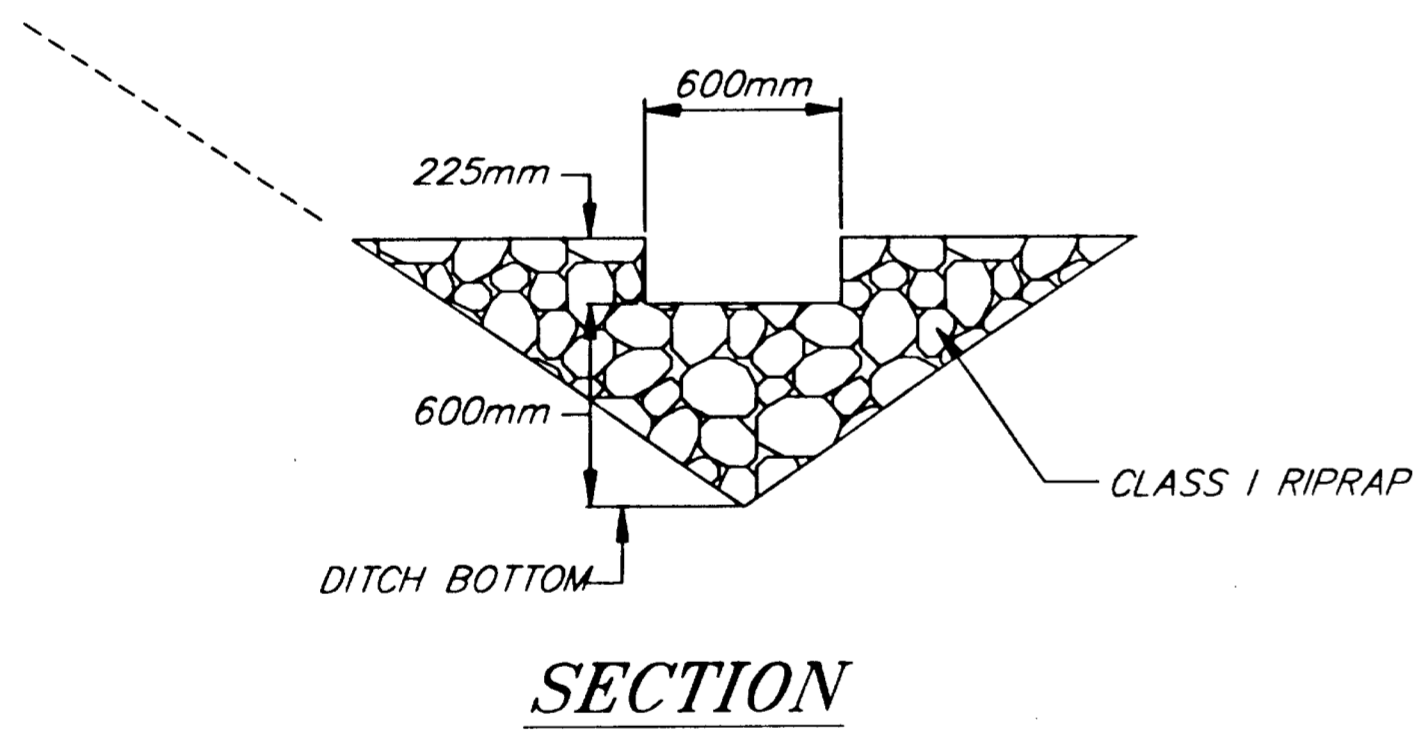
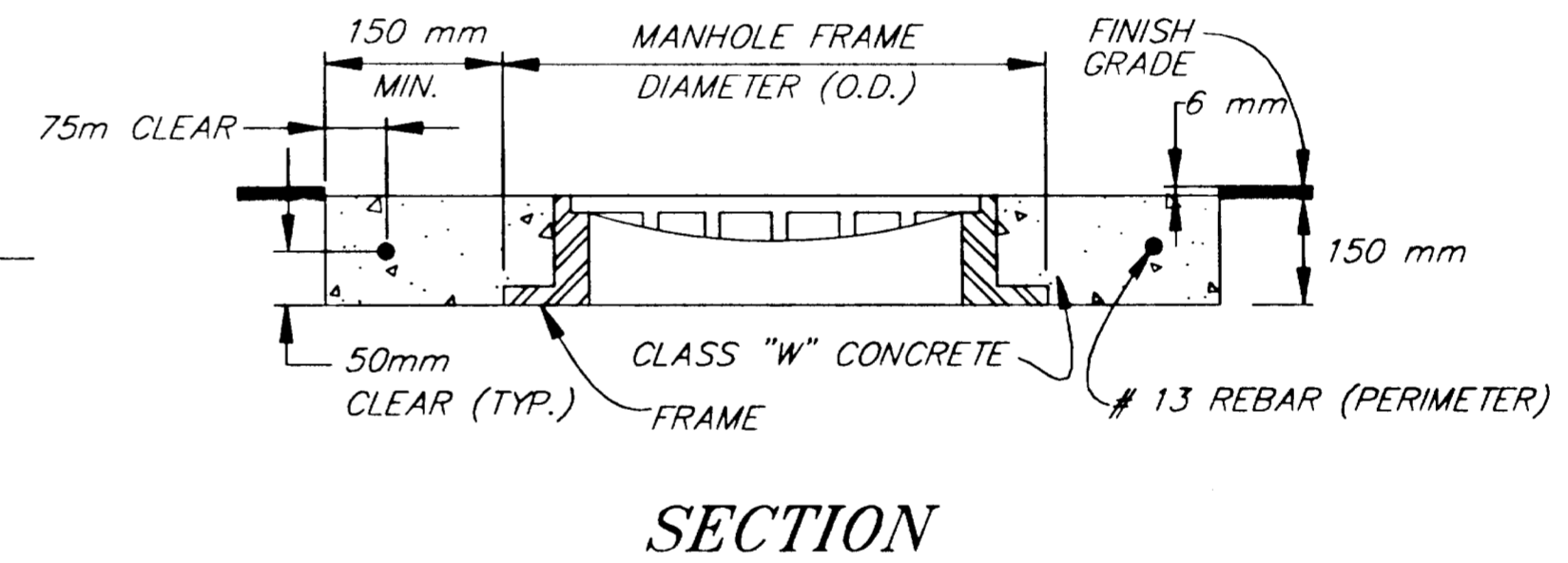
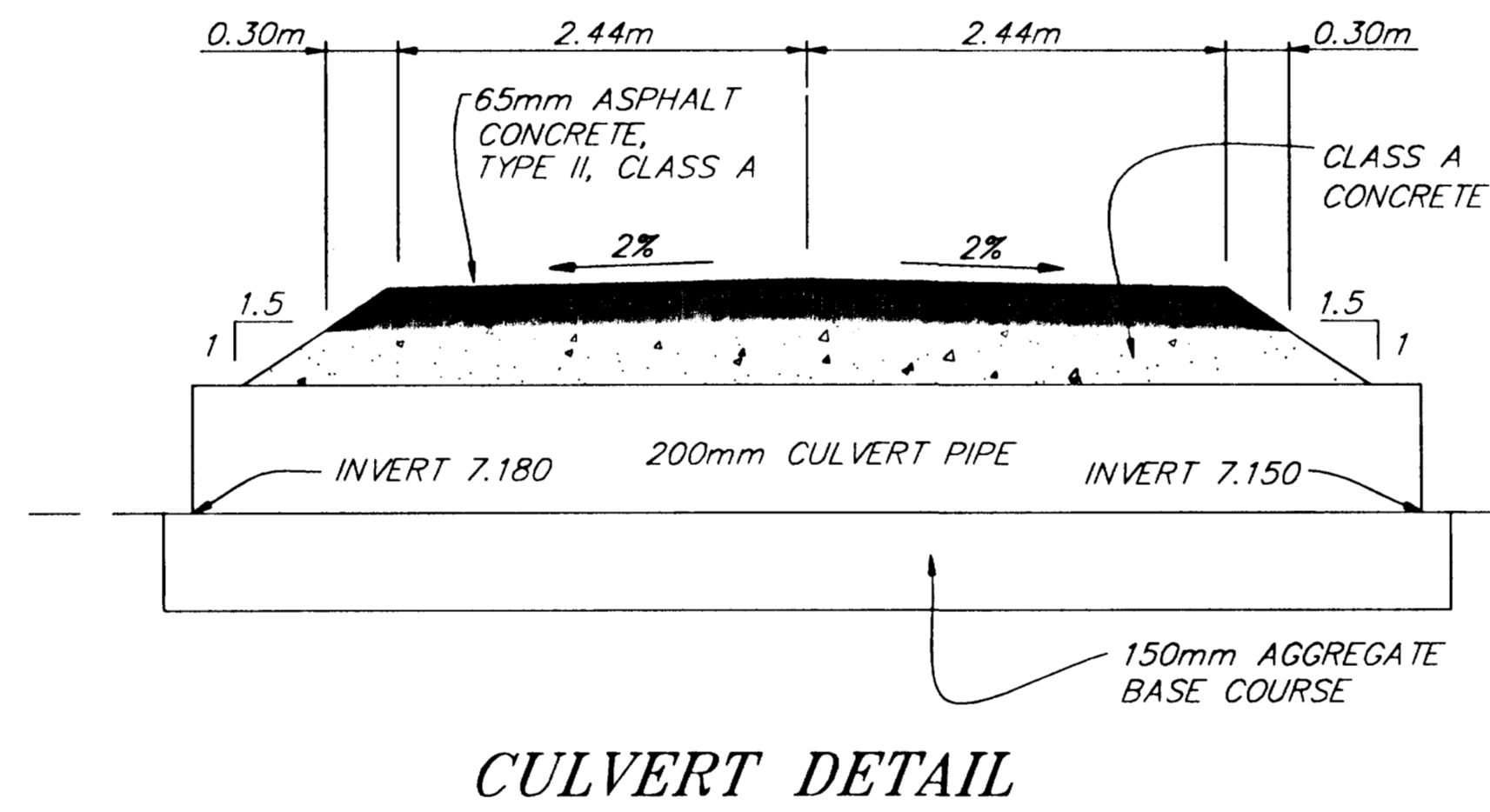
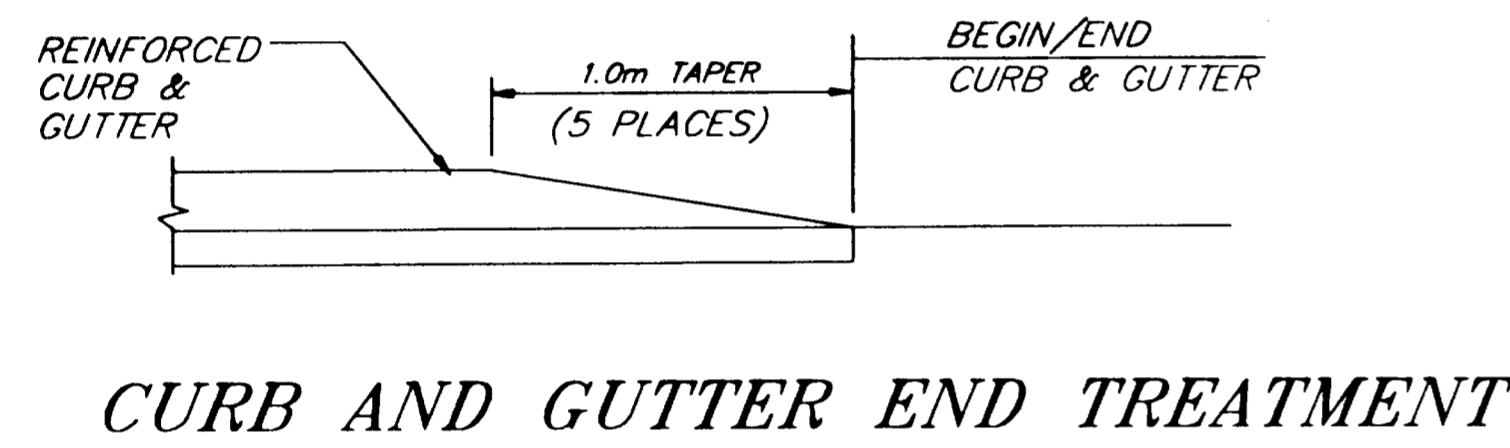
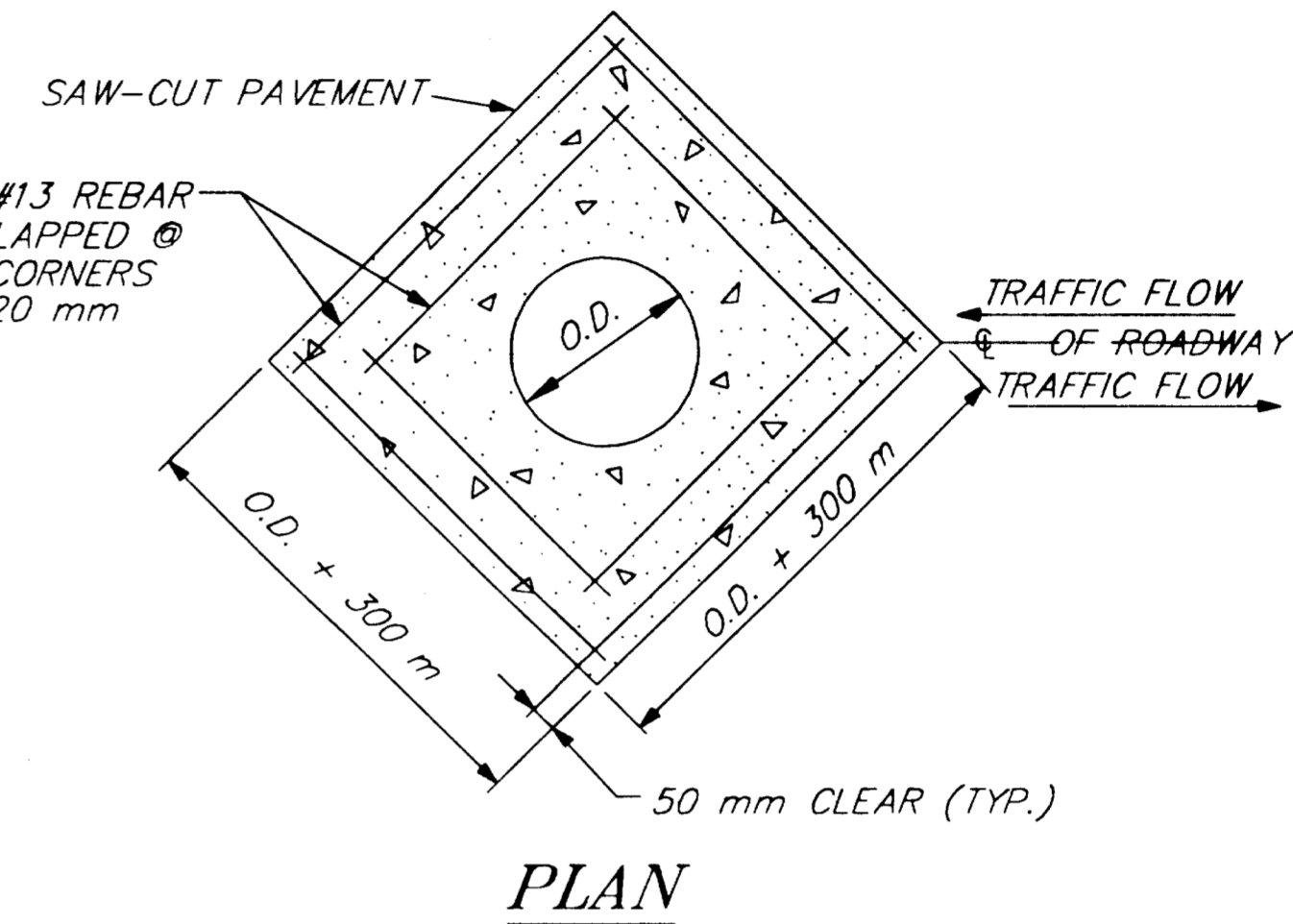


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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SOUTHEAST
REGION



ADJUSTMENT NOTES:

1. MANHOLE ADJUSTMENT SHALL BE MADE WITH GRADE RINGS NOT EXCEEDING 300mm TOTAL HEIGHT BETWEEN BOTTOM OF MANHOLE FRAME AND TOP OF MANHOLE CONE.
2. NEW STEP(S) AS DETAILED IN STD. DRAWINGS D-20.02 SHALL BE INSTALLED ON THE EXISTING MANHOLE IF THE FIRST STEP EXCEED 0.90m FROM THE TOP OF MANHOLE FRAME, FOR MANHOLE RECONSTRUCTION/ADJUSTMENT.
3. ANY RECONSTRUCTED OR ADJUSTED MANHOLES MUST CONFORM TO STANDARD DIMENSIONS.
4. CONCRETE ENCASMENT IS NOT REQUIRED IF MANHOLE, INLETS OR VALVE BOX IS LOCATED IN THE SIDEWALK.



SHEET NUMBER	TOTAL SHEETS	
K-1	4	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
APPENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
C.H.	K.K.	D.S.
ELECTRONIC PATHWAY:		
Q:\jnu\67898\Dr\ -Miscdel3.dwg		
EDTIME		
Kris Wed, 20/Jun/01 02:06PM		
STANDARDS:		
SPECIFICATIONS:		

JNU-GLACIER HIGHWAY/ANKA STREET INTERSECTION IMPROVEMENTS
MISCELLANEOUS DETAILS



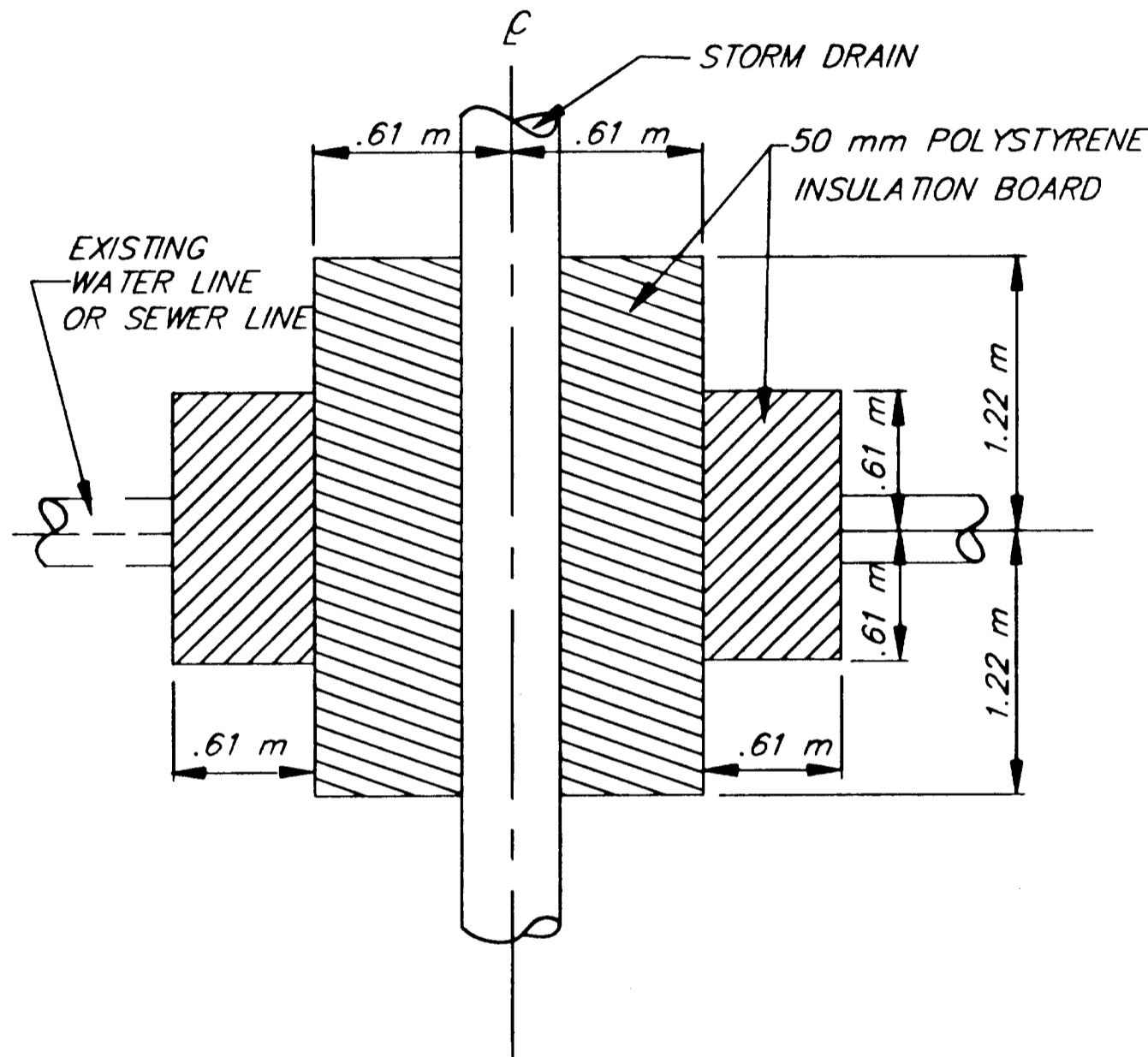
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
 SOUTHEAST
 REGION

NOTE: DO NOT SCALE FROM THESE PLANS- USE DIMENSIONS

RIGID INSULATION

NOTES

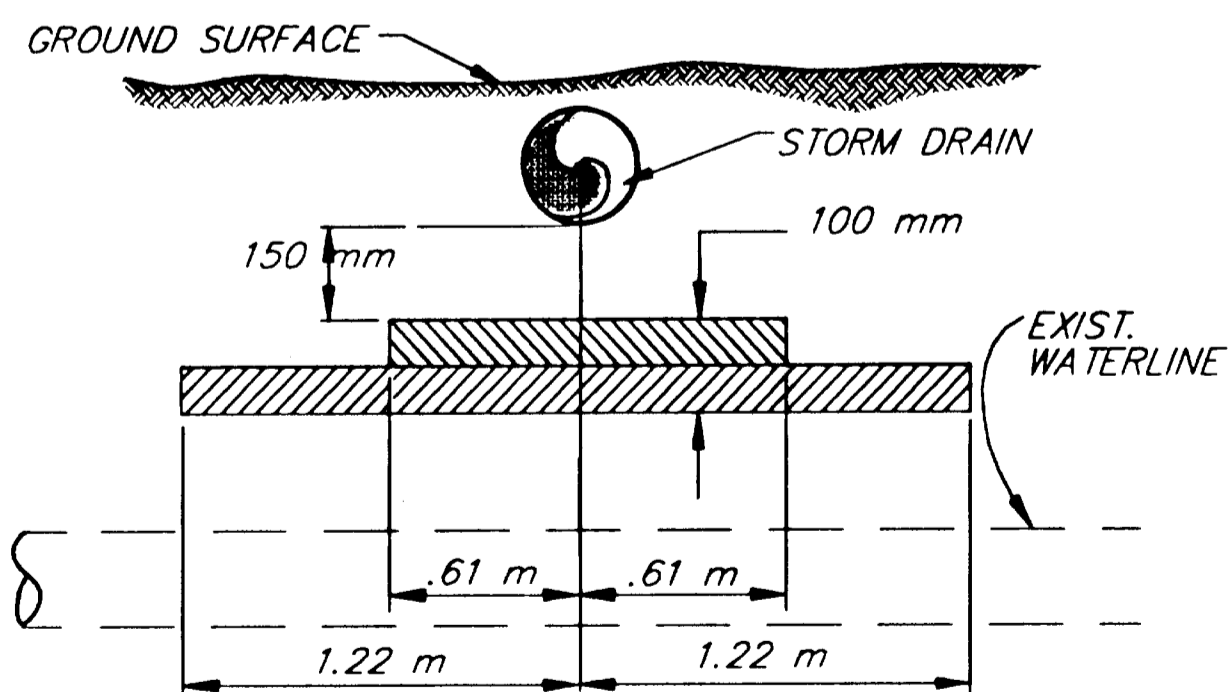
1. INSTALL INSULATION AS SHOWN, FOR SEWER LINE IF LESS THAN 1.15 m SEPARATION, AND FOR WATER LINE IF LESS THAN 1.50 m SEPARATION, BETWEEN STORM DRAIN AND LINE.
2. WRAP AROUND INSULATION WITH R-FACTOR EQUAL TO 100 mm RIGID BOARD MAY BE SUBSTITUTED IF APPROVED BY THE ENGINEER.



RIGID INSULATION

PLAN

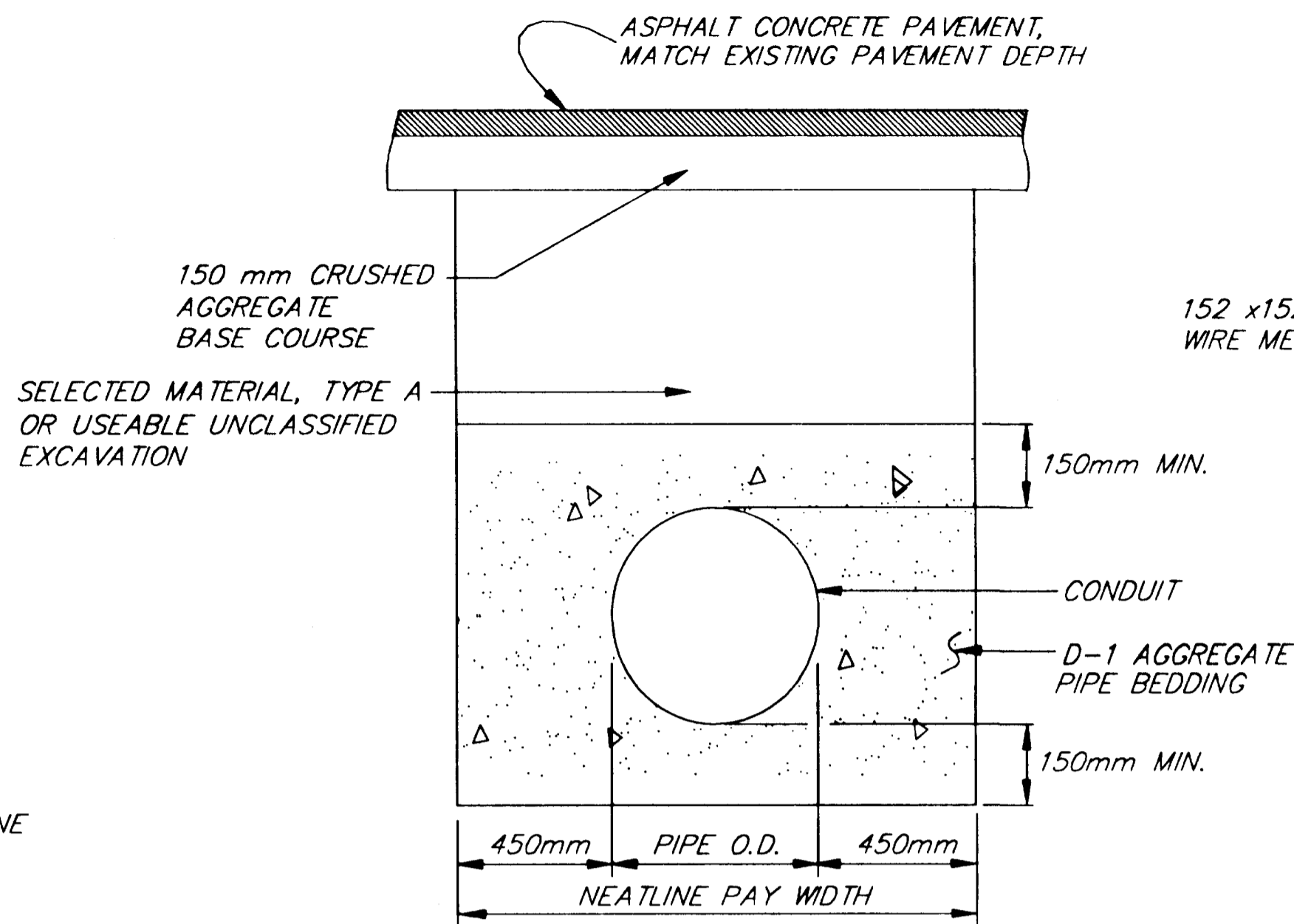
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RIGID INSULATION

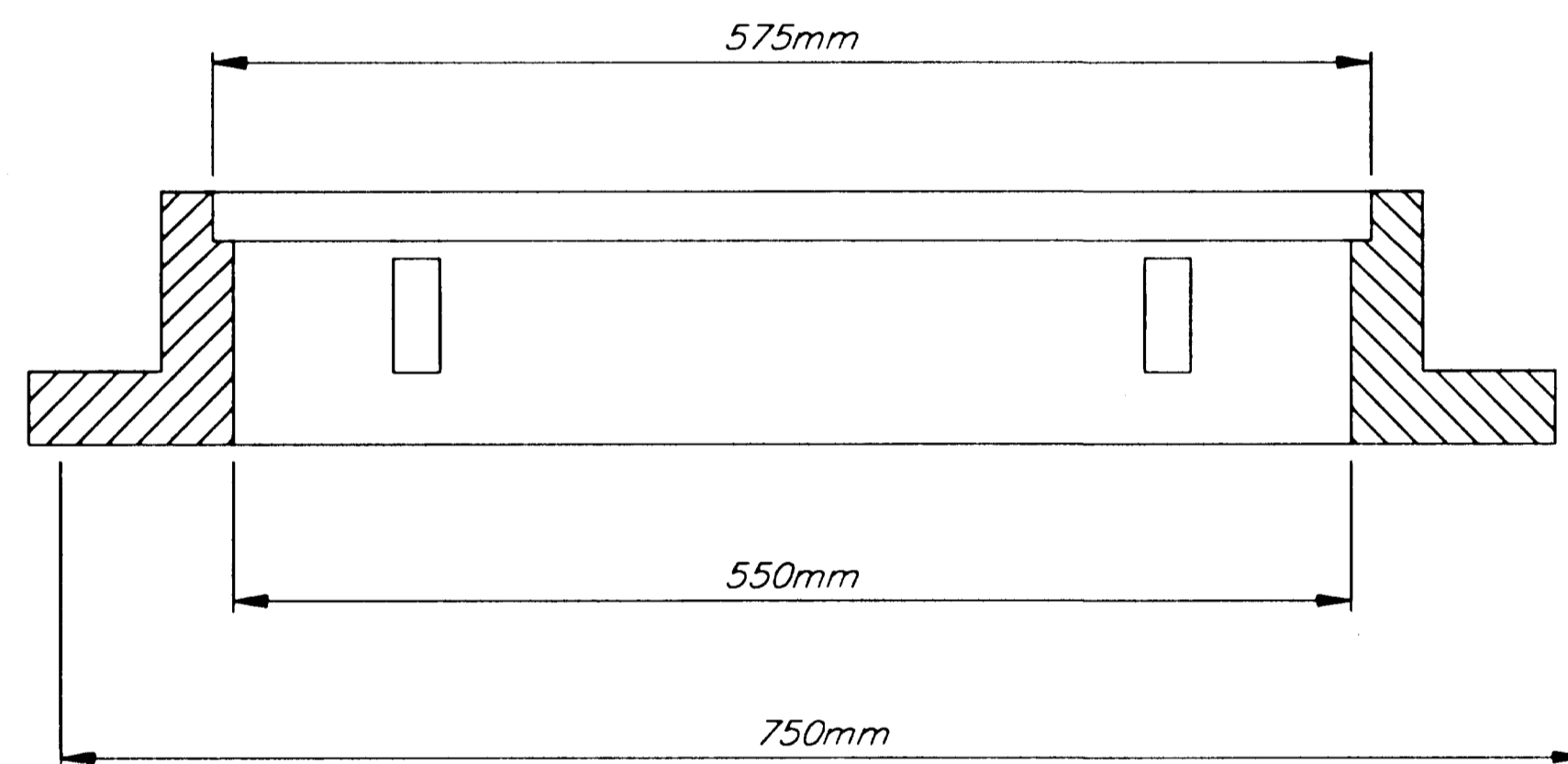
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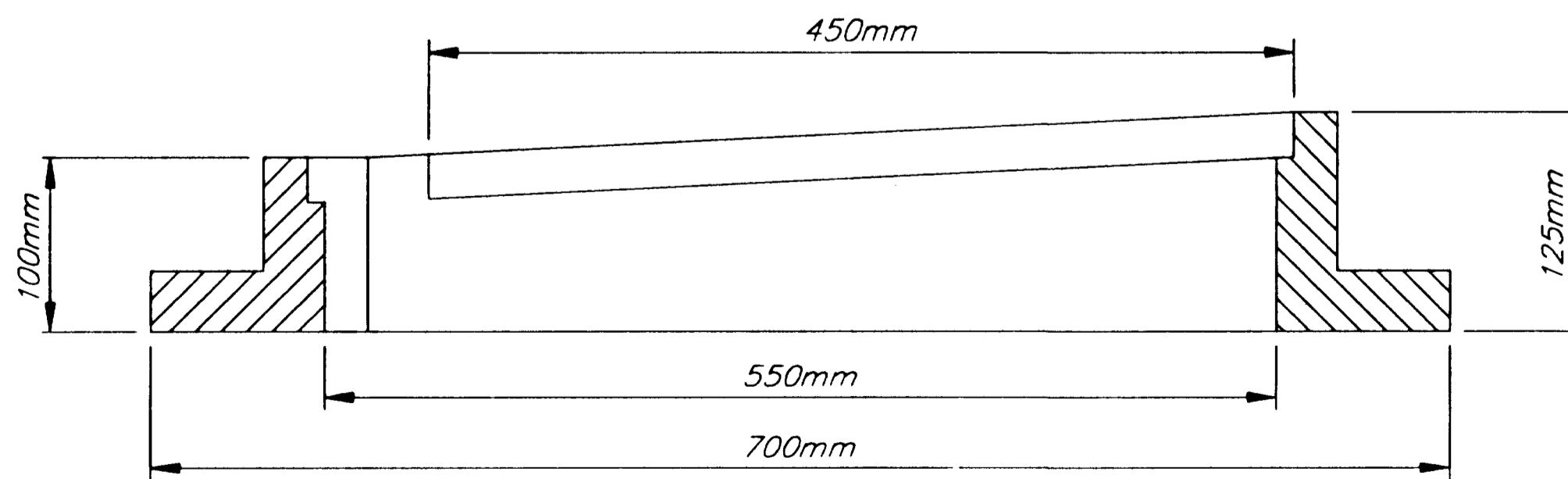
**STORM DRAIN
BEDDING/BACKFILL DETAIL**

N.T.S.



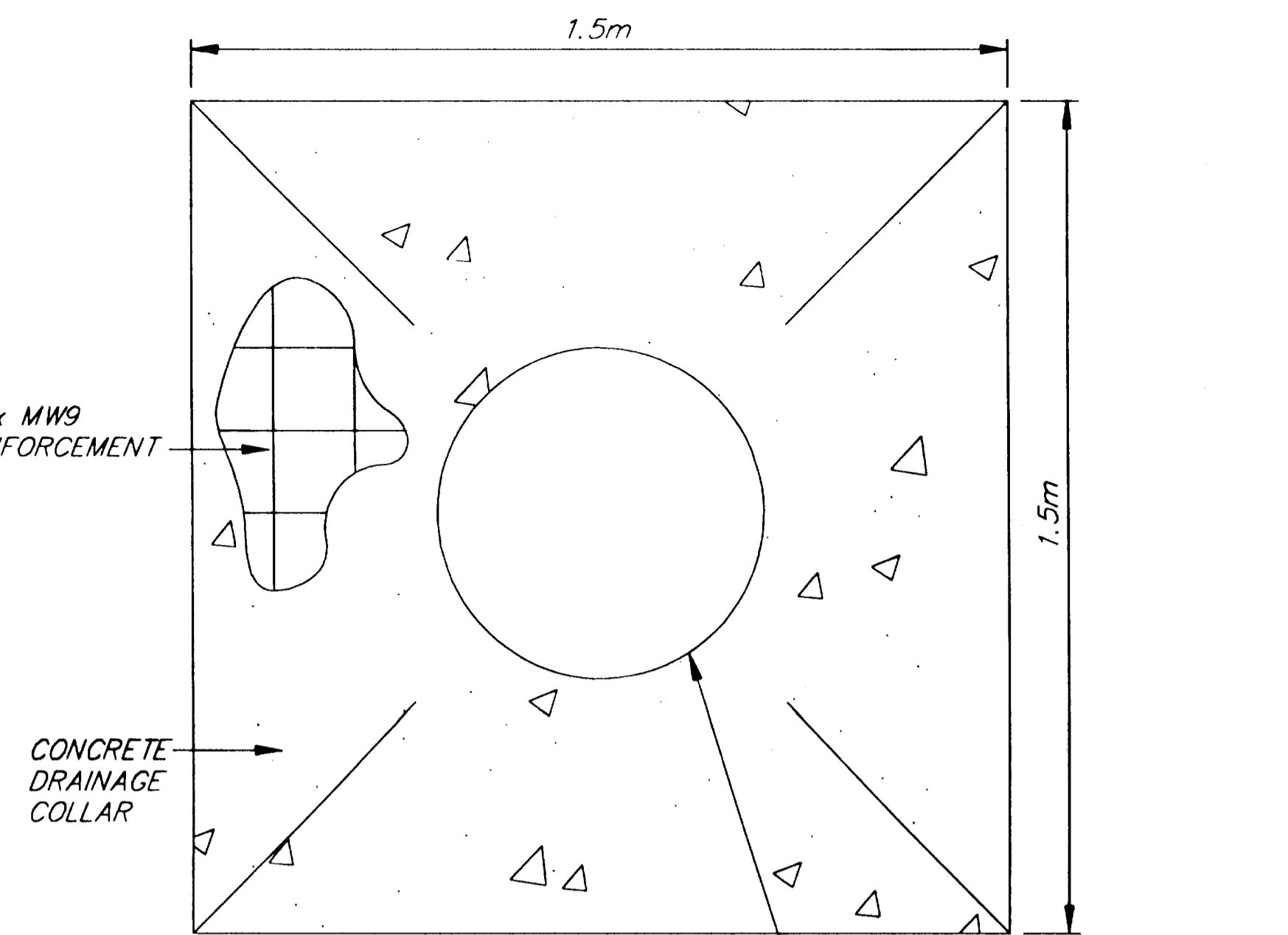
TYPE B HOOD

FRONT VIEW



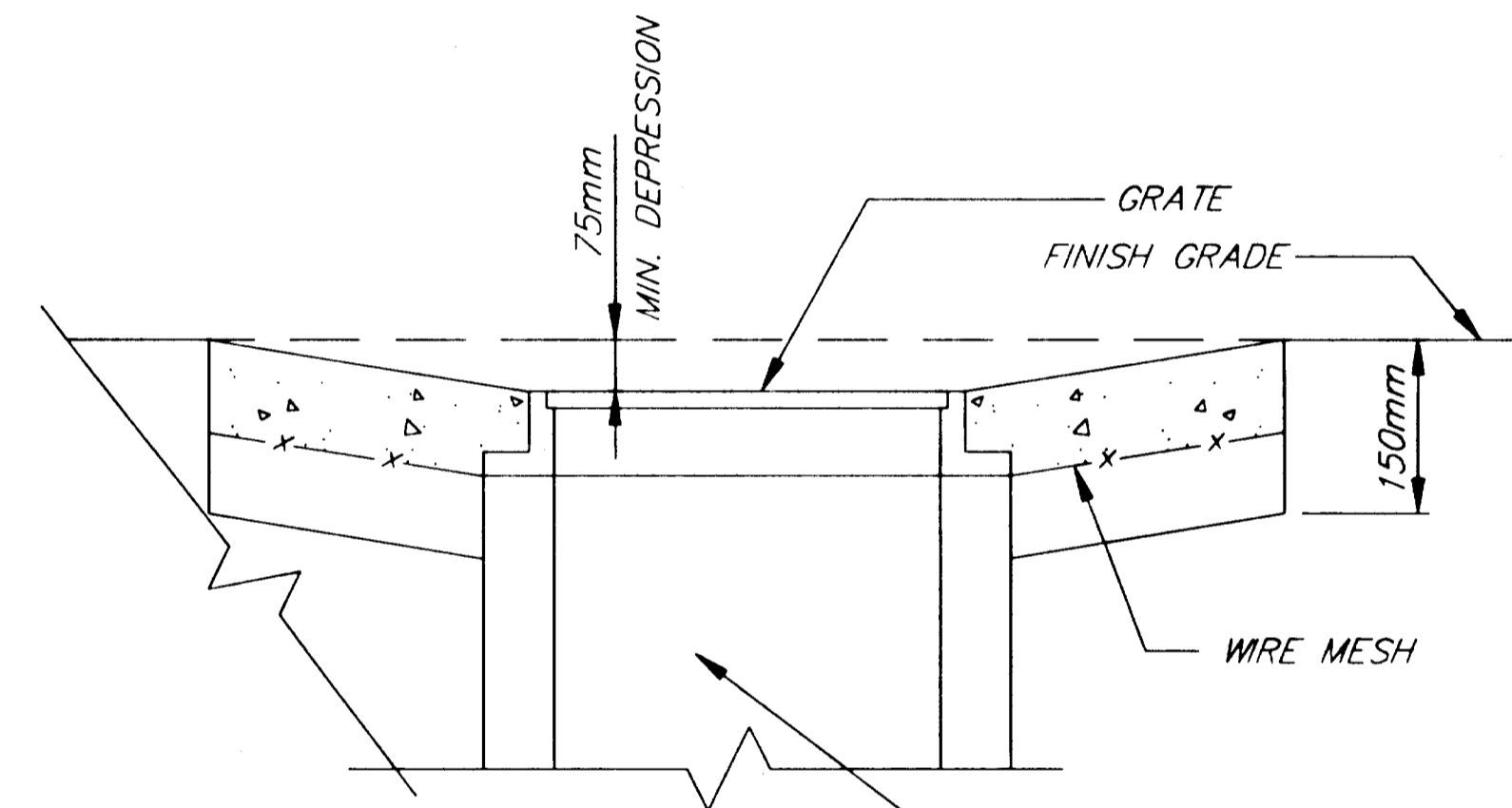
TYPE B HOOD

SIDE VIEW



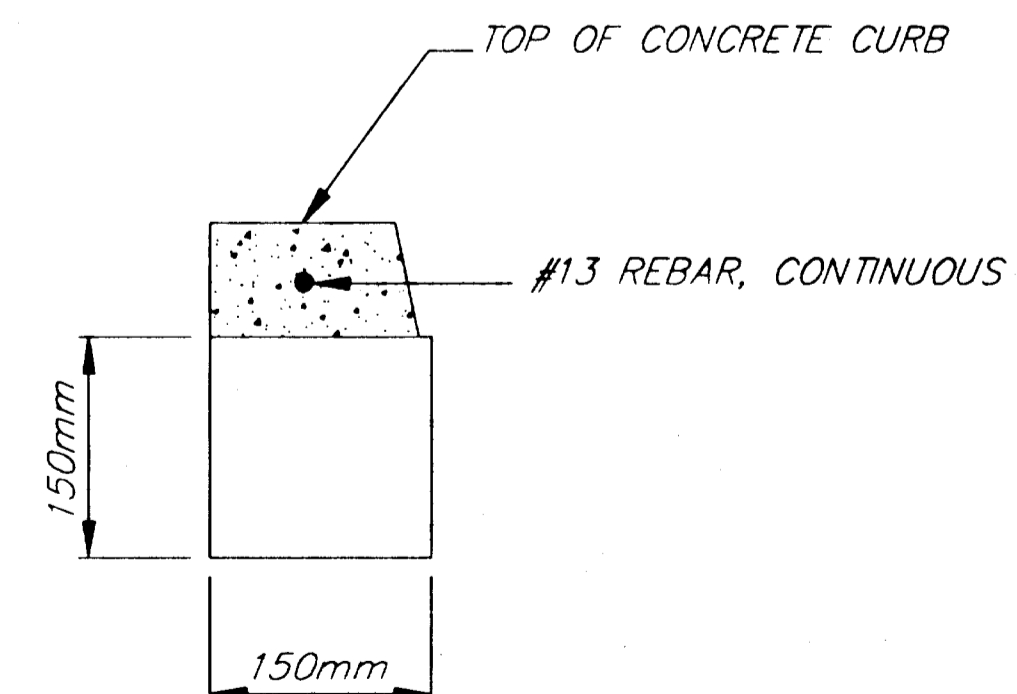
**FIELD INLET
PLAN VIEW**

STANDARD 600mm DIAMETER
FRAME AND GRATE



**FIELD INLET
ELEVATION VIEW**

FIELD INLET, TYPE I - INLET, TYPE "A"
FIELD INLET, TYPE II - 1.2m STORM
DRAIN MANHOLE



TYPE B HOOD

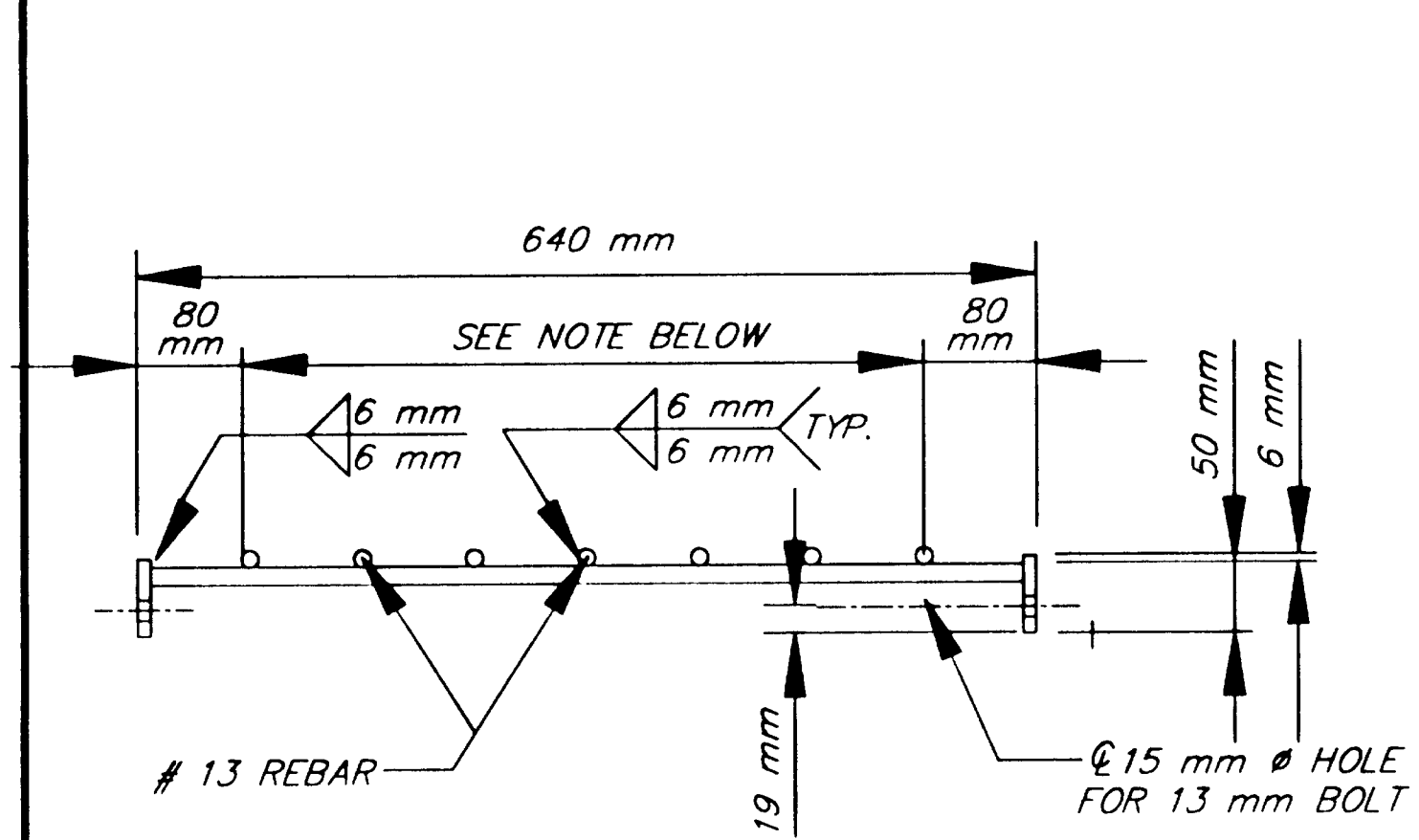
END VIEW

SHEET NUMBER	TOTAL SHEETS	
K-2	4	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(11)	
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
C.H.	K.K.	D.S.
ELECTRONIC PATHWAY:		
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EDTIME		
Kris	Wed, 20/Jun/01	02:06PM
STANDARDS:		
SPECIFICATIONS:		

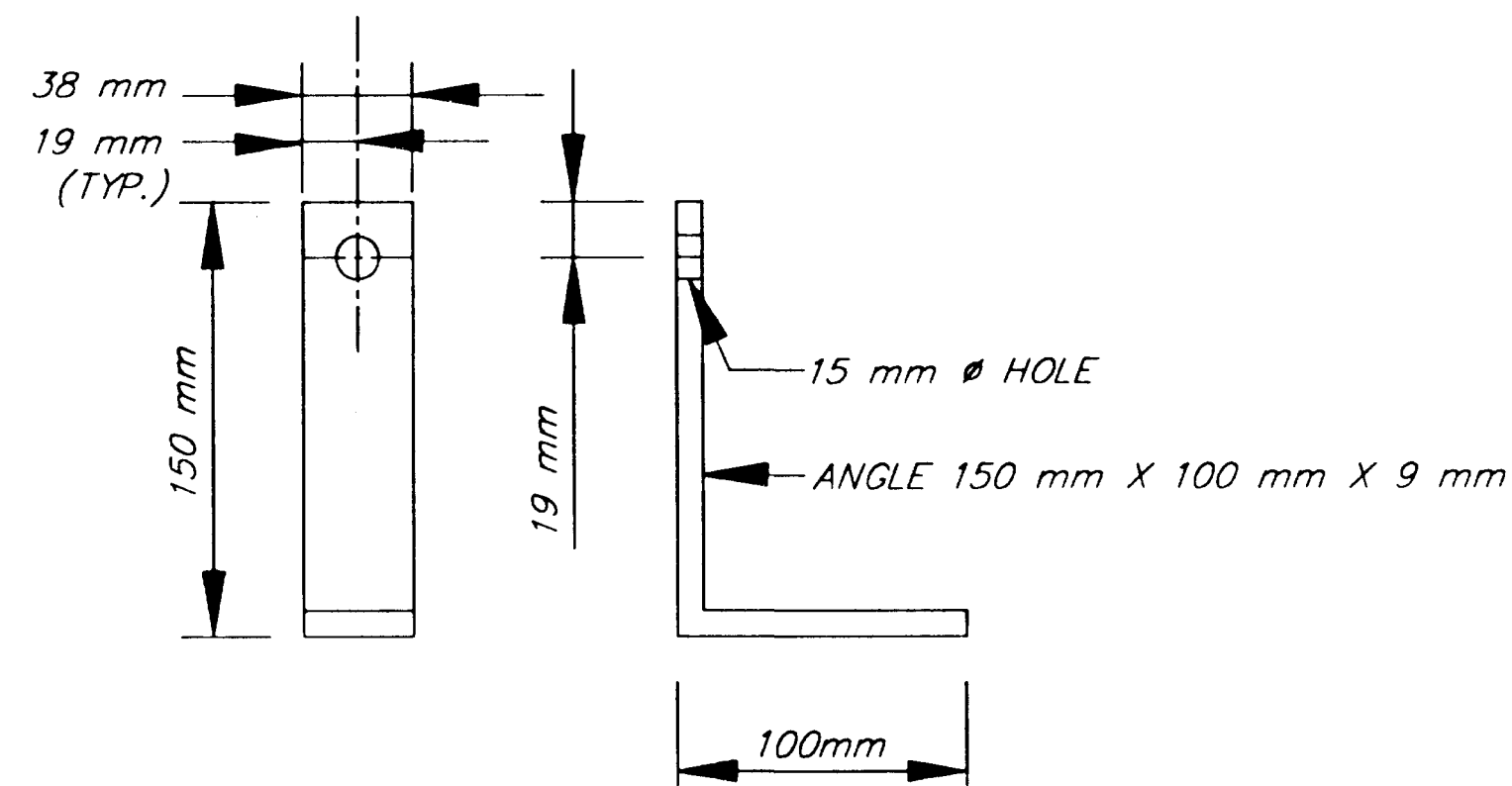
JNU - GLACIER HIGHWAY/ANKA STREET
INTERSECTION IMPROVEMENTS
MISCELLANEOUS DETAILS



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST
REGION



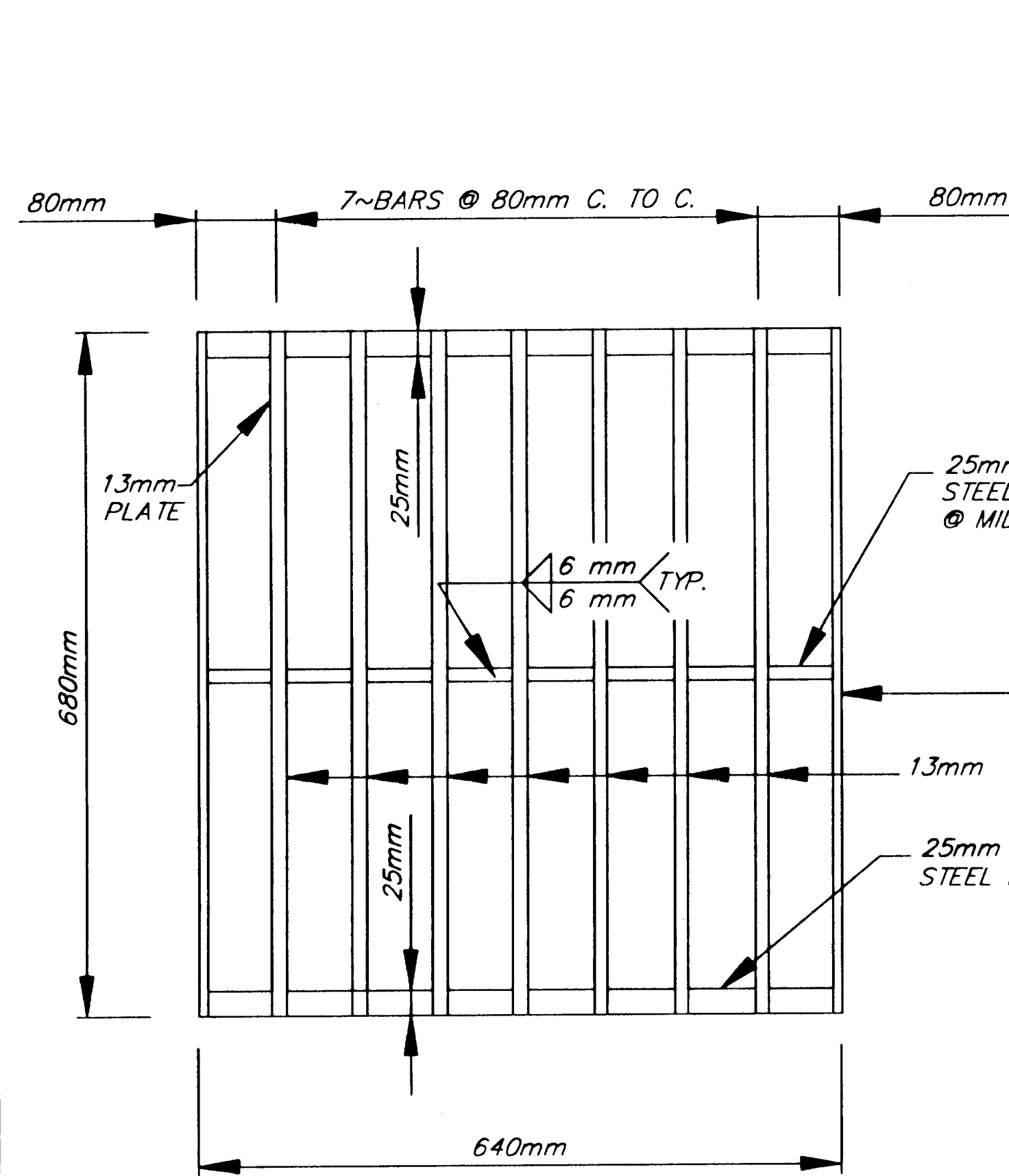
ELEVATION



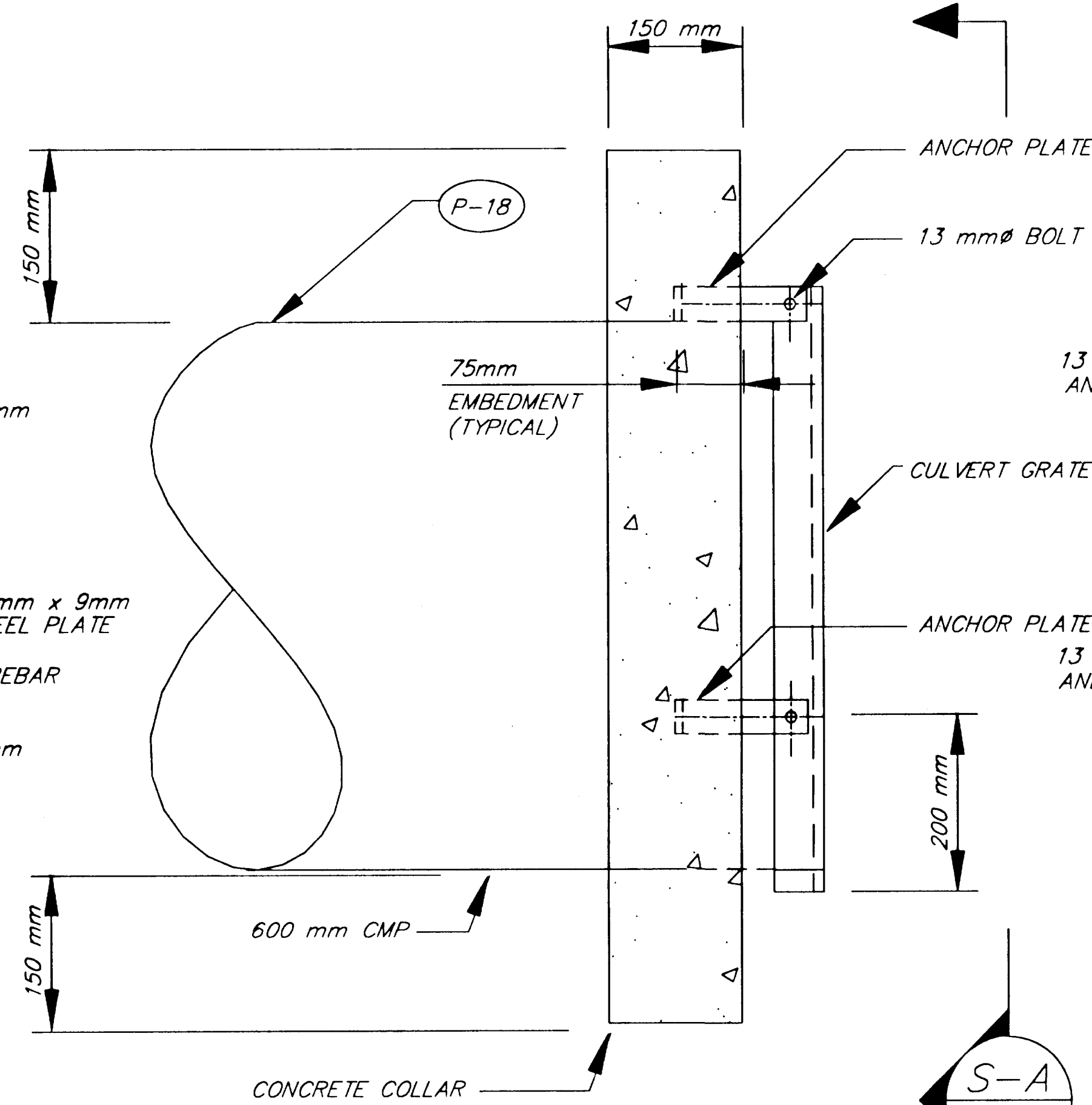
ANCHOR PLATE

NOTES

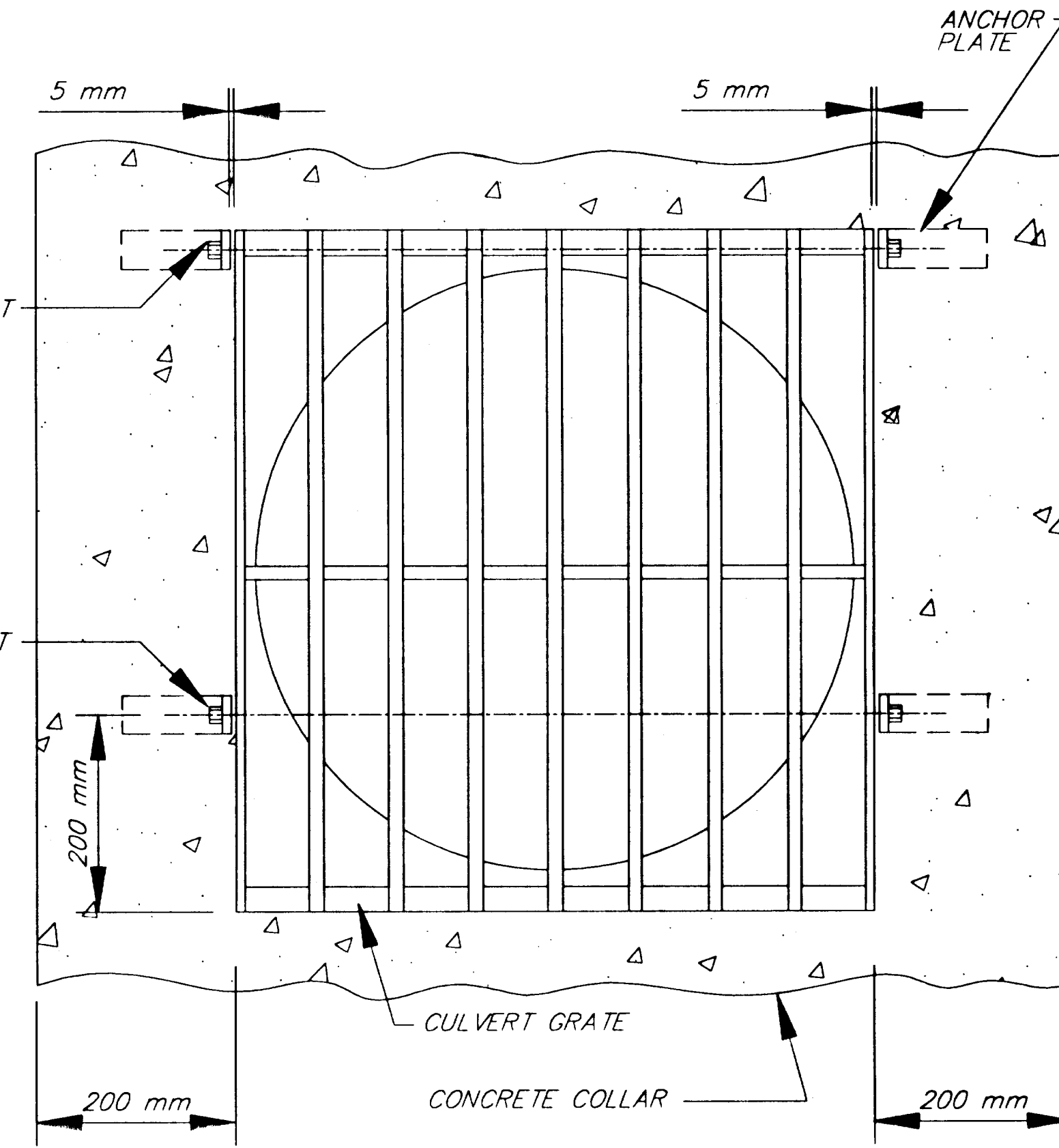
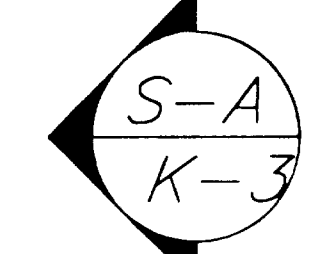
1. CULVERT GRATE AND ANCHOR PLATE SHALL BE A-36 STEEL AND GALVANIZED AFTER FABRICATION
2. NUTS AND BOLTS SHALL BE A325 AND GALVANIZED.
3. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60.



**PLAN
CULVERT GRATE**



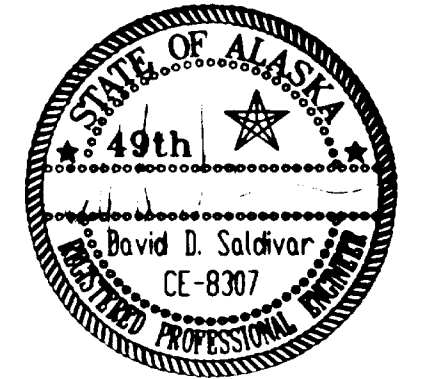
**SECTION
CULVERT GRATE**



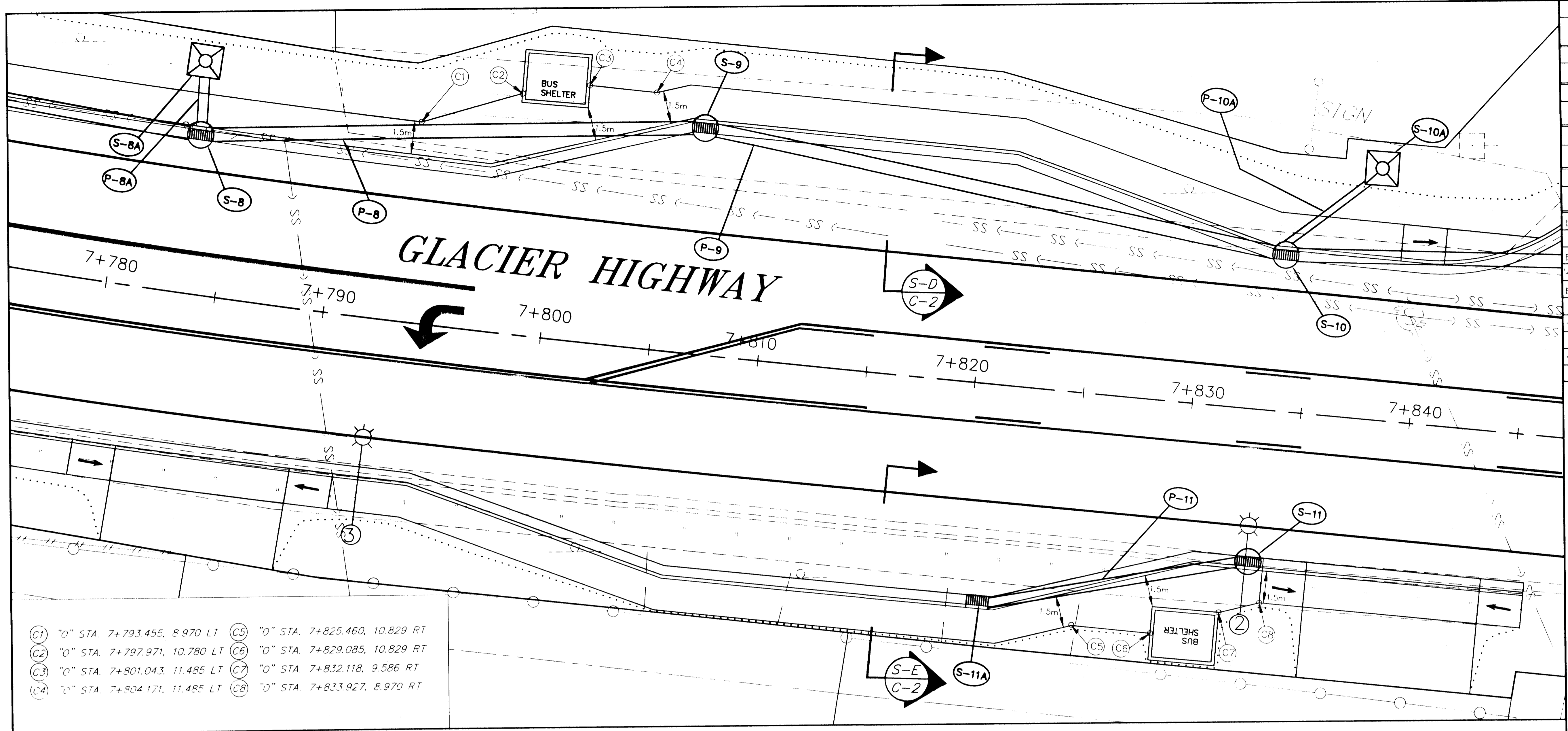
SECTION A

SHEET NUMBER	TOTAL SHEETS	
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STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
D.S.	K.K.	C.H.
ELECTRONIC PATHWAY:		
Q:\jnu\67898\Dr\grate2.dwg		
EDTIME		
Kris Wed, 20/Jun/01 02:11PM		
STANDARDS:		
SPECIFICATIONS:		

JNU-GLACIER HIGHWAY/ANKA STREET
INTERSECTION IMPROVEMENTS
CULVERT GRATE DETAILS



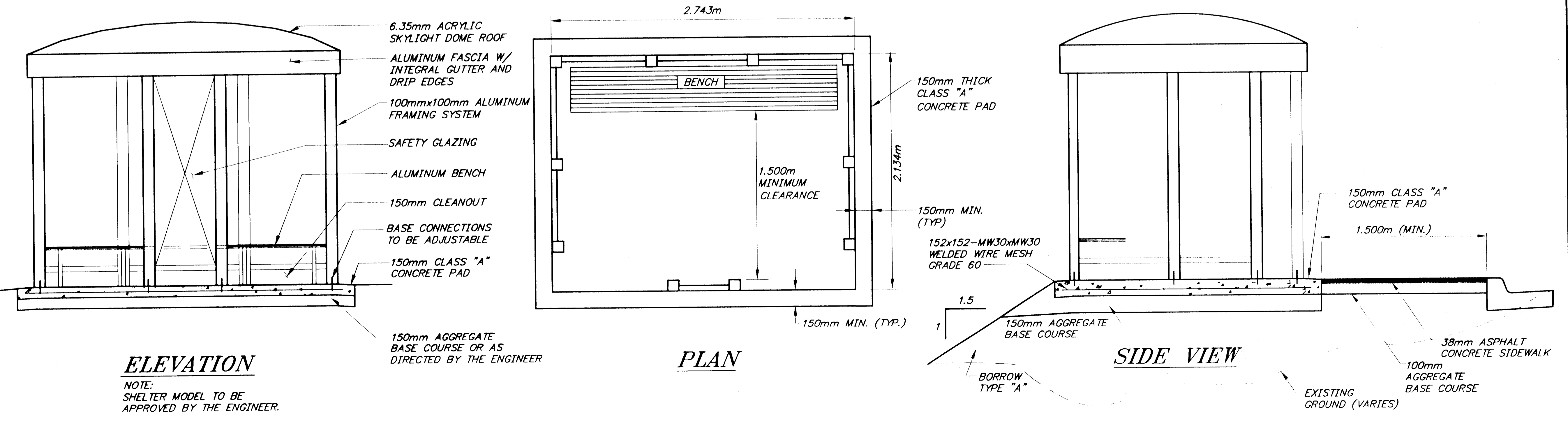
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
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SOUTHEAST
REGION



- (C1) "O" STA. 7+793.455, 8.970 LT
- (C2) "O" STA. 7+797.971, 10.780 LT
- (C3) "O" STA. 7+801.043, 11.485 LT
- (C4) "O" STA. 7+804.171, 11.485 LT
- (C5) "O" STA. 7+825.460, 10.829 RT
- (C6) "O" STA. 7+829.085, 10.829 RT
- (C7) "O" STA. 7+832.118, 9.586 RT
- (C8) "O" STA. 7+833.927, 8.970 RT

SHEET NUMBER:	TOTAL SHEETS:	
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STATE:	YEAR:	
ALASKA	2001	
PROJECT DESIGNATION NUMBER:		
67898 CA-0955(11)		
APPENDIX NUMBER:		
ATTACHMENT NUMBER:		
DESIGNED BY: DRAWN BY: CHECKED BY:		
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J:\Jnu\67898\Dr\BUS_SHELTER.dwg		
EDTIME:		
Kris	Wed, 20 Jun 01 02:03 PM	
STANDARDS:		
SPECIFICATION:		

**JNU - GLACIER HIGHWAY/ANKA STREET
 INTERSECTION IMPROVEMENTS
 BUS STOP SHELTER DETAILS**

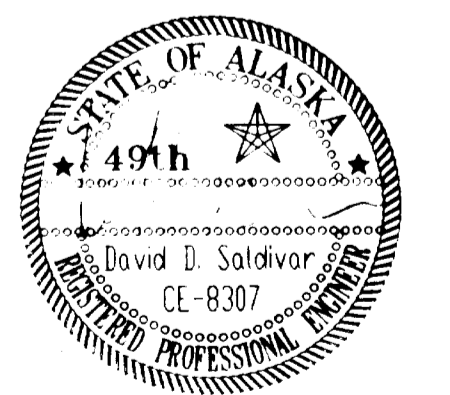


ELEVATION

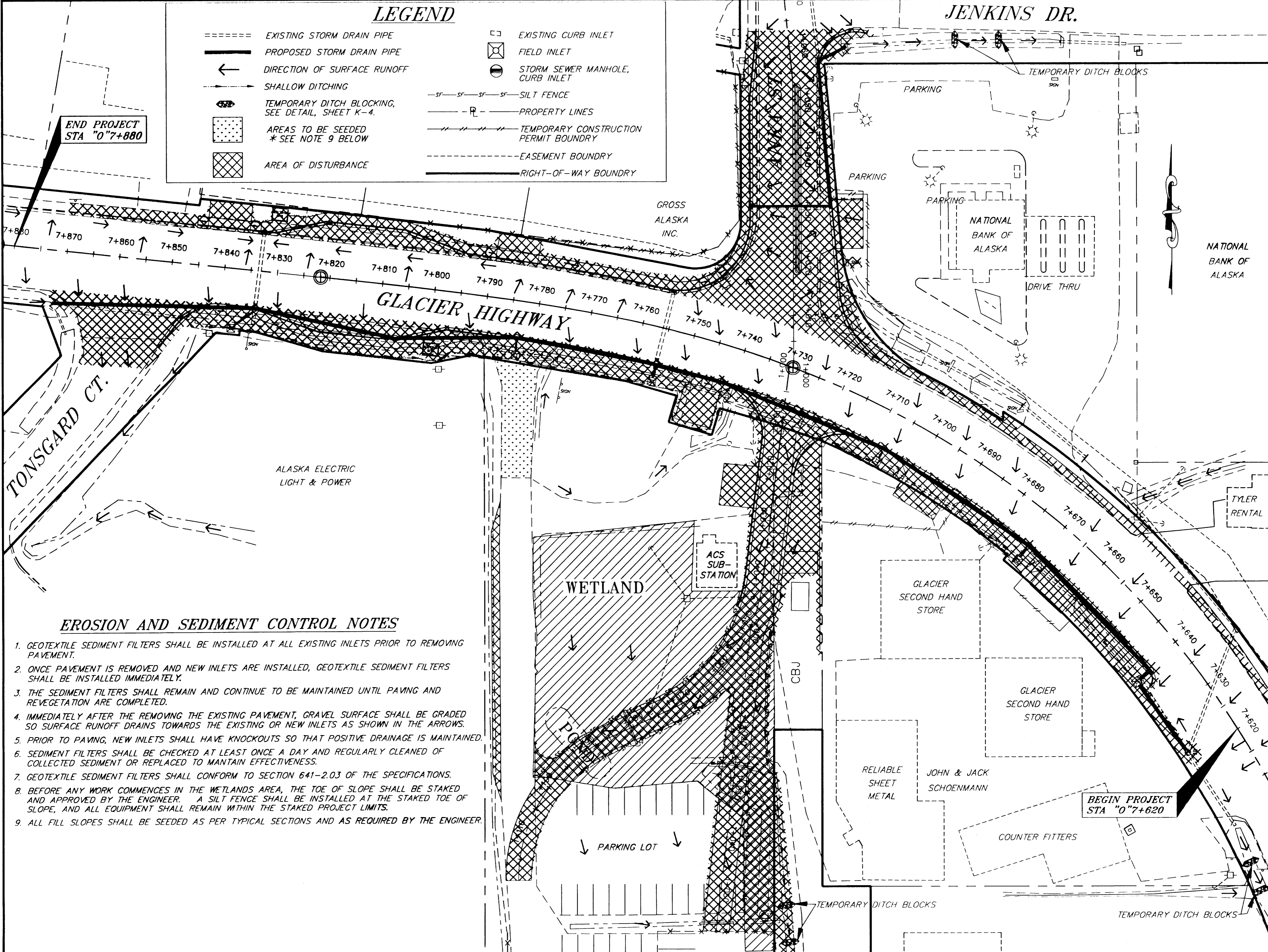
NOTE:
SHELTER MODEL TO BE
APPROVED BY THE ENGINEER.

PLAN

SIDE VIEW



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES
 SOUTHEAST
 REGION



LEGEND

- EXISTING STORM DRAIN PIPE
- ===== PROPOSED STORM DRAIN PIPE
- ← DIRECTION OF SURFACE RUNOFF
- SHALLOW DITCHING
- ▨ TEMPORARY DITCH BLOCKING, SEE DETAIL, SHEET K-4.
- ▨ AREAS TO BE SEEDED * SEE NOTE 9 BELOW
- ▨ AREA OF DISTURBANCE
- EXISTING CURB INLET
- ⊕ FIELD INLET
- ⊙ STORM SEWER MANHOLE, CURB INLET
- sf-sf-sf-sf- SILT FENCE
- P- PROPERTY LINES
- - - - - TEMPORARY CONSTRUCTION PERMIT BOUNDARY
- - - - - EASEMENT BOUNDARY
- ===== RIGHT-OF-WAY BOUNDARY

END PROJECT STA "0"7+880

BEGIN PROJECT STA "0"7+620

EROSION AND SEDIMENT CONTROL NOTES

1. GEOTEXTILE SEDIMENT FILTERS SHALL BE INSTALLED AT ALL EXISTING INLETS PRIOR TO REMOVING PAVEMENT.
2. ONCE PAVEMENT IS REMOVED AND NEW INLETS ARE INSTALLED, GEOTEXTILE SEDIMENT FILTERS SHALL BE INSTALLED IMMEDIATELY.
3. THE SEDIMENT FILTERS SHALL REMAIN AND CONTINUE TO BE MAINTAINED UNTIL PAVING AND REVEGETATION ARE COMPLETED.
4. IMMEDIATELY AFTER THE REMOVING THE EXISTING PAVEMENT, GRAVEL SURFACE SHALL BE GRADED SO SURFACE RUNOFF DRAINS TOWARDS THE EXISTING OR NEW INLETS AS SHOWN IN THE ARROWS.
5. PRIOR TO PAVING, NEW INLETS SHALL HAVE KNOCKOUTS SO THAT POSITIVE DRAINAGE IS MAINTAINED.
6. SEDIMENT FILTERS SHALL BE CHECKED AT LEAST ONCE A DAY AND REGULARLY CLEANED OF COLLECTED SEDIMENT OR REPLACED TO MAINTAIN EFFECTIVENESS.
7. GEOTEXTILE SEDIMENT FILTERS SHALL CONFORM TO SECTION 641-2.03 OF THE SPECIFICATIONS.
8. BEFORE ANY WORK COMMENCES IN THE WETLANDS AREA, THE TOE OF SLOPE SHALL BE STAKED AND APPROVED BY THE ENGINEER. A SILT FENCE SHALL BE INSTALLED AT THE STAKED TOE OF SLOPE, AND ALL EQUIPMENT SHALL REMAIN WITHIN THE STAKED PROJECT LIMITS.
9. ALL FILL SLOPES SHALL BE SEEDED AS PER TYPICAL SECTIONS AND AS REQUIRED BY THE ENGINEER.

SHEET NUMBER	TOTAL SHEETS	
L-1	1	
STATE	YEAR	
ALASKA	2001	
PROJECT DESIGNATION NUMBERS		
67898	CA-0955(1)	
APPENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
CH		DS
ELECTRONIC PATHWAY:		
Q:\jnu\67898\DR\ERO_SED_CONT_PLAN.DWG		
EDTIME		
Bert Wed, 20/Jun/01 02:12PM		
STANDARDS:		
SPECIFICATIONS:		
JNU-GLACIER HIGHWAY/ANKA STREET INTERSECTION IMPROVEMENTS EROSION AND SEDIMENT CONTROL PLAN		
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION		