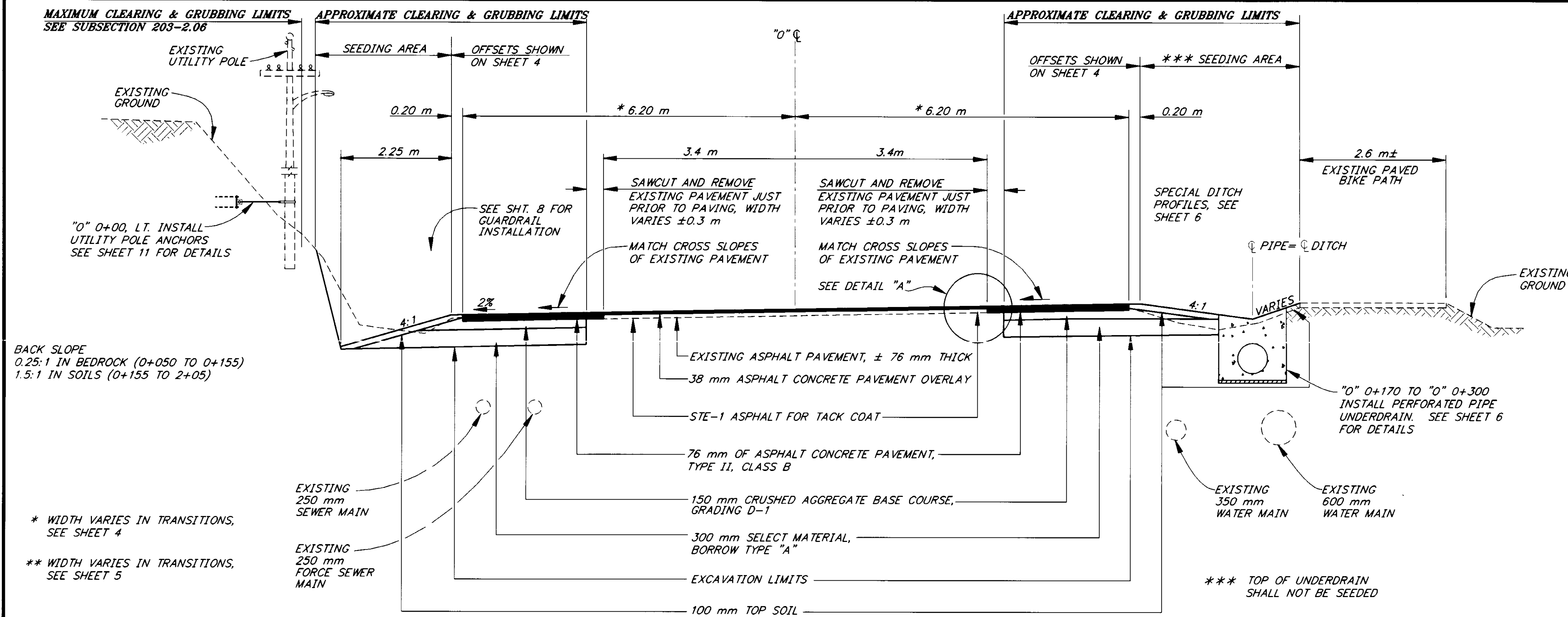
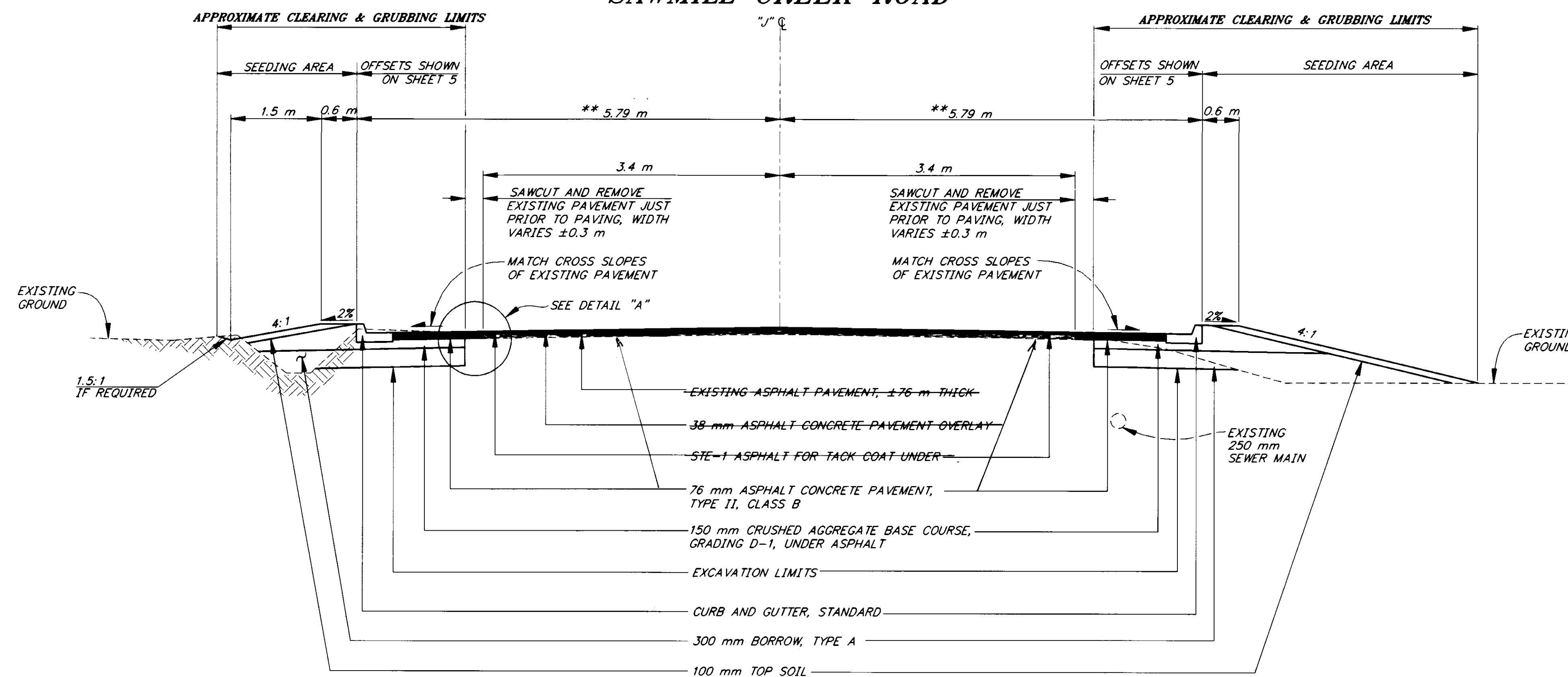


GENERAL NOTES

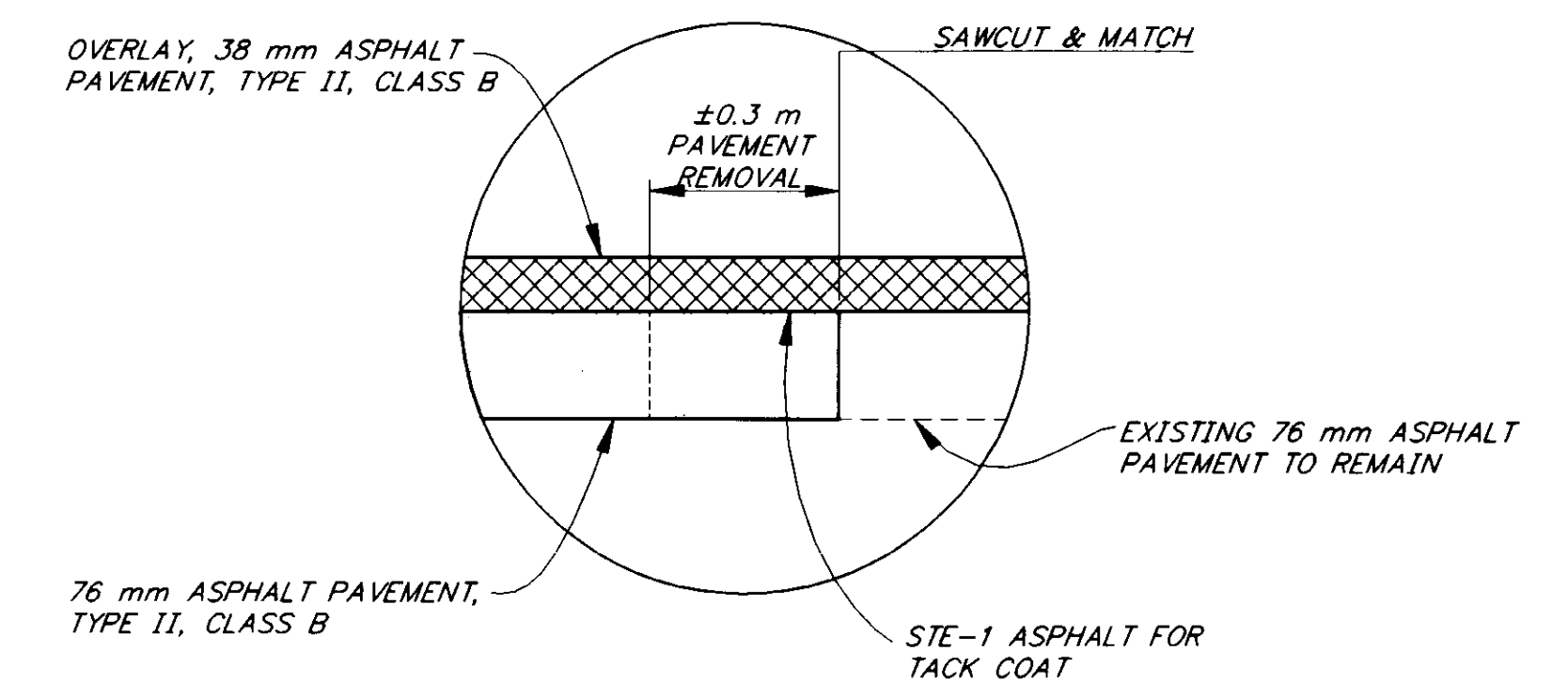
1. ALL EXISTING VALVE BOX LIDS ARE BURIED APPROXIMATELY 300 mm BELOW THE EXISTING GRADE.
2. STORM DRAIN DETAILS SHOWN ON THESE PLANS ARE APPROXIMATE AND ARE SUBJECT TO MINOR FIELD REVISIONS. FINISHED LOCATIONS AND ELEVATIONS SHALL BE APPROVED BY THE ENGINEER.
3. LONGITUDINAL PAVEMENT JOINTS IN THE FINAL LIFT SHALL BE AT CENTERLINE AND THE CENTERLINE OF THE DRIVING LANE.



TYPICAL SECTION
SAWMILL CREEK ROAD



TYPICAL SECTION
JARVIS STREET



DETAIL "A"

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

PATH: P:\SIT\71823\DR\ -TYP1		
PLOT: P:\-LIB\ -PLOT\MPL0TF.PCP(50) OR MPL0TH.PCP(100)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

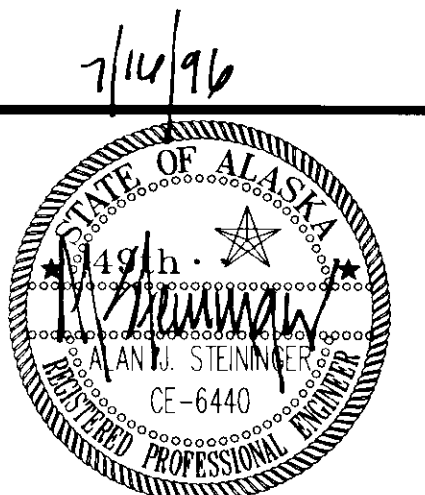
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SITKA

*SAWMILL CREEK ROAD
LEFT TURN LANE
PROJECT NO. HHE-0933(15) - 71823
TYPICAL SECTIONS*

ALASKA

DESIGNED BY: <i>D. WILLIAMS\ E. CAVAGNARO</i>	PROJECT NO. <i>71823</i>
DRAWN BY: <i>KK/CSA/KS</i>	DATE: <i>1996</i>
CHECKED BY: <i>A. STEININGER</i>	SHEET <i>2</i> OF <i>15</i>



ESTIMATE OF QUANTITIES			
ITEM NO.	ITEM	UNIT	QUANTITY
120(1)	DBE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
201(3B)	CLEARING & GRUBBING (APPROX. 0.07 ha)	LUMP SUM	ALL REQUIRED
202(1)	REMOVAL OF STRUCTURES & OBSTRUCTIONS	LUMP SUM	ALL REQUIRED
203(3)	UNCLASSIFIED EXCAVATION (INCLUDES APPROXIMATELY 300 m ³ OF ROCK EXCAVATION)	CUBIC METER	573.8 1,500
203(6)	BORROW, TYPE A	MEGAGRAM	993.12 3,000
203(11)	CONTROLLED BLASTING	SQUARE METER	0 250
203(12)	ROCK BOLTS	CONTINGENT SUM	ALL REQUIRED
202(12)	REMOVAL OF PAVEMENT C.O.#1	L.S.	ALL REQ'D
301(1)	CRUSHED AGGREGATE BASE COURSE	MEGAGRAM	741.8 1,350
401(1)	ASPHALT CONCRETE PAVEMENT, TYPE II CLASS B	MEGAGRAM	786.22 750
401(2)	PBA-2 ASPHALT CEMENT	MEGAGRAM	44.11 45
402(2)	STE-1 ASPHALT FOR TACK COAT	MEGAGRAM	1.66 2
603(17-450)	450 mm PIPE	METER	106.83 105
603(17-600)	600 mm PIPE	METER	67 68
604(4)	ADJUST EXISTING MANHOLE	EACH	1
604(5A)	INLET, TYPE A	EACH	6
604(5B)	INLET, TYPE B	EACH	3
604(5C)	INLET, FIELD	EACH	3
604(8)	CAST-IN-PLACE INLET BOXES C.O.#1	L.S.	ALL REQ'D
605(3)	450 mm PERFORATED PIPE UNDERDRAIN	METER	157 162
605(5)	POROUS BACKFILL MATERIAL	CUBIC METER	125
606(1)	W-BEAM GUARDRAIL	METER	11.43
606(8)	EXTRUDER TERMINAL (ET-2000)	EACH	2
609(2)	CURB AND GUTTER, STANDARD	METER	120 123
611(3)	ROCK SLOPE PROTECTION C.O.#1	L.S.	ALL REQ'D
614(4)	ADJUST EXISTING MONUMENT CASES	EACH	2 4
615(1)	STANDARD SIGNS	SQUARE METER	2.70
618(5)	SEEDING (APPROX. 0.4 ha)	LUMP SUM	ALL REQUIRED
620(1)	TOPSOIL	SQUARE METER	123.6 1,300
627(6)	FIRE HYDRANT RELOCATION	EACH	1
627(10)	ADJUSTMENT OF VALVE BOX	EACH	3
635(1)	INSULATION BOARD	BOARD	133 135
640(1)	MOBILIZATION & DEMOBILIZATION	LUMP SUM	ALL REQUIRED
641(1)	TEMPORARY EROSION & POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED
641(2)	TEMPORARY EROSION AND POLLUTION CONTROL	CONTINGENT SUM	ALL REQUIRED
641(3)	TEMPORARY ROCK CHECK DAMS	EACH	1
642(1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
643(2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
643(3)	PERMANENT CONSTRUCTION SIGNING	LUMP SUM	ALL REQUIRED
643(4)	CONSTRUCTION SIGN	EACH PER DAY	242 400
643(6)	TYPE III BARRICADE	EACH PER DAY	75 45
643(7)	TRAFFIC CONE	EACH PER DAY	1557 2,000
643(8)	DRUM	EACH PER DAY	0 175
643(14)	FLAGGING	MAN-HOUR	478.5 500
660(3)	HIGHWAY TRAFFIC LIGHTING SYSTEM COMPLETE	LUMP SUM	ALL REQUIRED
670(8)	RECESSED PAVEMENT MARKERS	EACH	52
670(9)	METHYL METHACRYLATE PAVEMENT MARKINGS	LUMP SUM	ALL REQUIRED
681(1)	UTILITY POLE ANCHOR	EACH	2

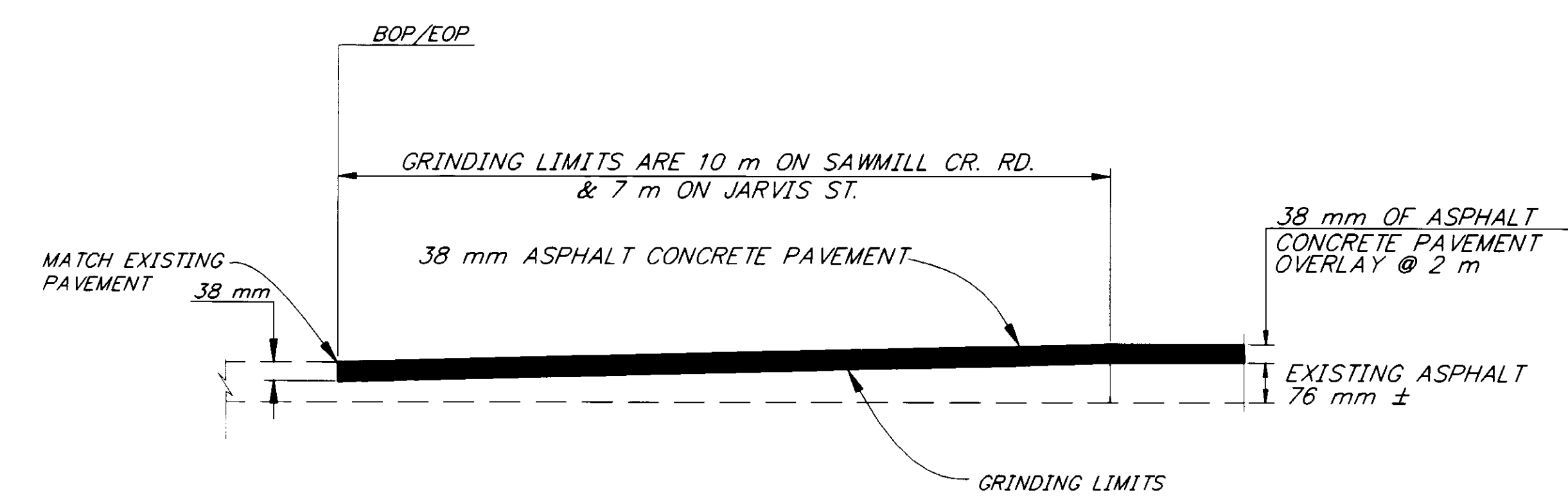
BASIS OF ESTIMATE		
ITEM NO.	ITEM	ESTIMATING FACTOR
203(6)	BORROW, TYPE A	2.13 Mg/m ³ (1.87 TONS/CY)
301(1)	CRUSHED AGGREGATE BASE COURSE	2.32 Mg/m ³ (1.96 TONS/CY)
401(1)	ASPHALT CONCRETE PAVEMENT	2.48 kg/m ² PER mm (116 lbs/SY/INCH DEPTH)
401(2)	PBA-2 ASPHALT CEMENT	6% OF 401(1)
402(2)	STE-1 ASPHALT FOR TACK COAT	APPLICATION RATE=0.363 l/m ² , 923 l/mg (0.08 GAL/SY), 923 l/Mg, (240 GAL/TON)

ADJUST EXISTING MONUMENT SUMMARY				
STATION	OFFSET			REMARKS
	LT.	CL	RT.	
"O" 0+215.78		X		CENTERLINE MONUMENT CASE SEE SHEET 9 FOR DETAILS
"J" 0+030.7		X		" " " "

MANHOLE ADJUSTMENT SUMMARY				
STATION	OFFSET		DESCRIPTION	REMARKS
	LT.	RT.		
"J" 0+015		X	SANITARY SEWER MANHOLE	SEE SHEET 9 FOR DETAILS

STATION	OFFSET			REMARKS
	LT.	CL	RT.	
"O" 0+100	X			REMOVE EXISTING UTILITY POLE ANCHOR WITHIN THE ROW AFTER INSTALLING NEW POLE ANCHORS.
"O" 0+155			X	REMOVE & DISPOSE OF EXISTING APPROACH CULVERT.
"O" 0+223			X	REMOVE & DISPOSE OF EXISTING SERVICE LINE & VALVE BOX WHEN RELOCATING THE FIRE HYDRANT. CAP EXISTING CORPORATION STOP AS DIRECTED.
"O" 0+270	X		X	TRIM EXISTING CULVERT TO INSTALL S-5 & S-6 AS DIRECTED.
"J" 0+008		X		REMOVE & DISPOSE OF EXISTING CULVERT.
"J" 0+013			X	TRIM EXIST. STORM DRAIN PIPE TO FIT S-3.
"J" 0+050			X	REMOVE & DISPOSE OF EXISTING CURB & GUTTER.
"O" & "J"	X	X	X	REMOVAL & DISPOSAL OF PAVEMENT = APPROXIMATELY 400 m ² . SEE SHEETS 2 & 4 FOR AREAS

VALVE BOX ADJUSTMENT SUMMARY			
STATION	OFFSET		REMARKS
	LT.	RT.	
"O" 0+208		X	SEE SHEET 9 FOR DETAILS
"J" 0+039	X		SEE SHEET 9 FOR DETAILS
"O" 0+300		X	SEE SHEET 9 FOR DETAILS



PAVEMENT TRANSITION DETAIL

PATH: P:\SIT\71823\DR\EST M\LOT.F.PCP(1) M\LOT.H.PCP(2)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

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

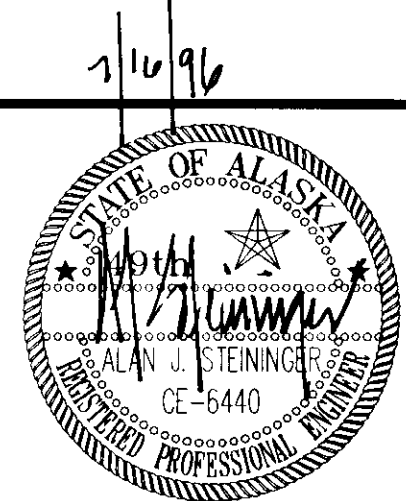
SITKA

SAWMILL CREEK ROAD
LEFT TURN LANE
PROJECT NO. HHE-0933(15) ~ 71823
ESTIMATE OF QUANTITIES

ALASKA

DESIGNED BY:
D. WILLIAMS/E. CAVAGNARO
DRAWN BY:
K. SNYDER
CHECKED BY:
A. STEININGER

PROJECT NO.
71823
DATE:
1996
SHEET 3 OF 15



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

HORIZONTAL CONTROL

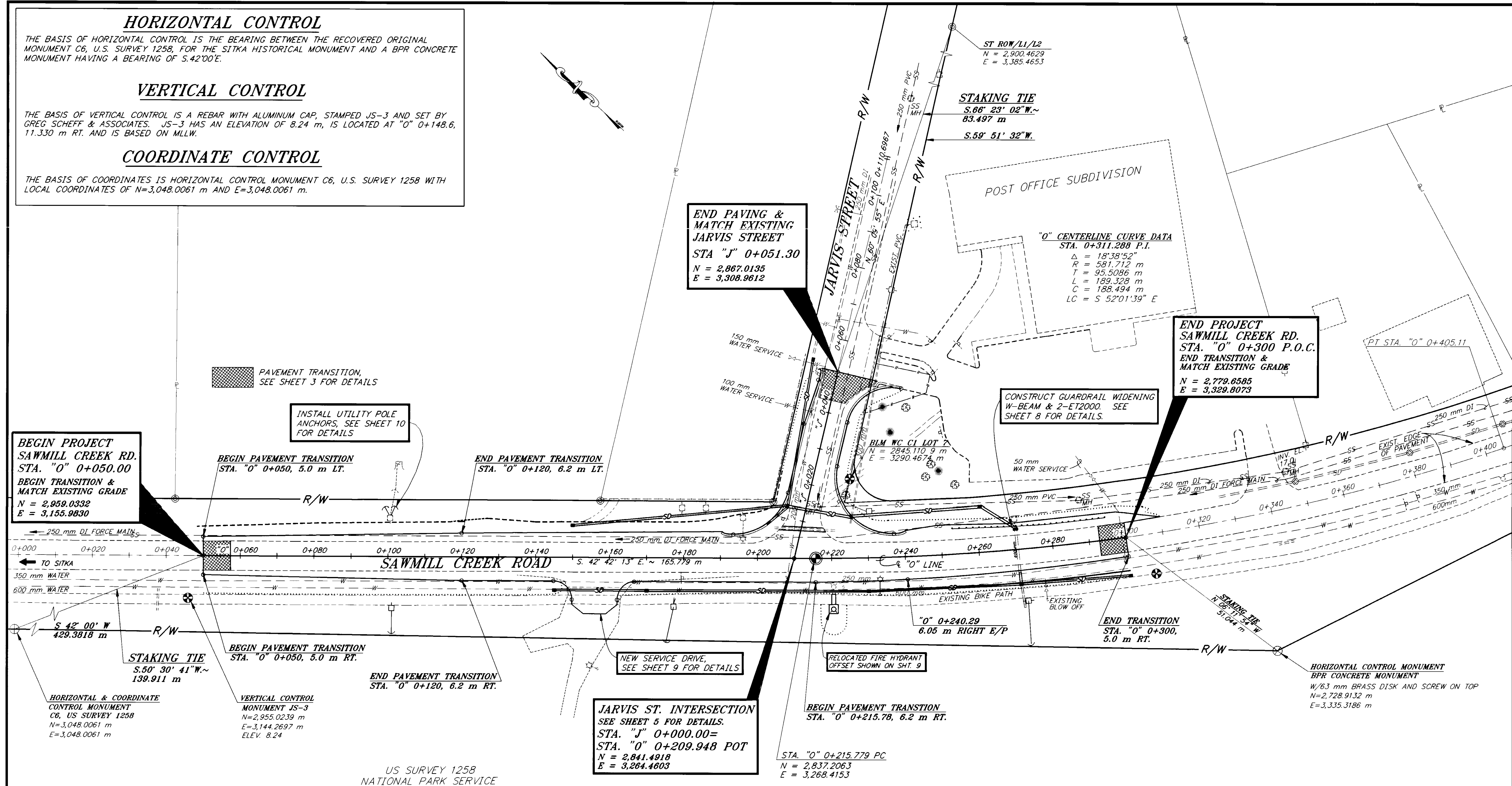
THE BASIS OF HORIZONTAL CONTROL IS THE BEARING BETWEEN THE RECOVERED ORIGINAL MONUMENT C6, U.S. SURVEY 1258, FOR THE SITKA HISTORICAL MONUMENT AND A BPR CONCRETE MONUMENT HAVING A BEARING OF S.42°00'E.

VERTICAL CONTROL

THE BASIS OF VERTICAL CONTROL IS A REBAR WITH ALUMINUM CAP, STAMPED JS-3 AND SET BY GREG SCHEFF & ASSOCIATES. JS-3 HAS AN ELEVATION OF 8.24 m, IS LOCATED AT "O" 0+148.6, 11.330 m RT. AND IS BASED ON MLLW.

COORDINATE CONTROL

THE BASIS OF COORDINATES IS HORIZONTAL CONTROL MONUMENT C6, U.S. SURVEY 1258 WITH LOCAL COORDINATES OF N=3,048.0061 m AND E=3,048.0061 m.



DTWIST 47° 13' 53"

RECORD OF REVISIONS		
PATH:	P:\SIT\71823\DR\PLAN	
PLOT:	P:\LIB\LOT\MPLOT.PCP(500) OR MPLOT.PCP(1000)	
BY:	DATE:	DESCRIPTION OF CHANGE:

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

SITKA

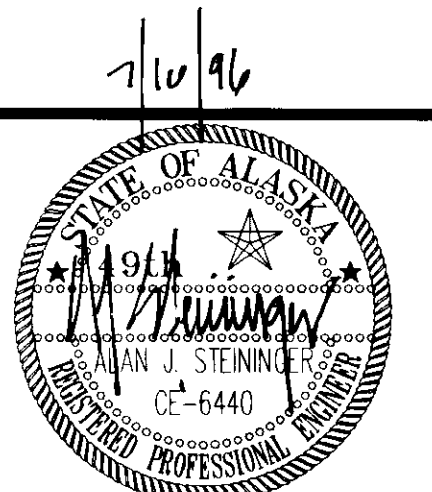
SAWMILL CREEK ROAD
LEFT TURN LANE
PROJECT NO. HHE-0933(15) - 71823

PLAN

ALASKA

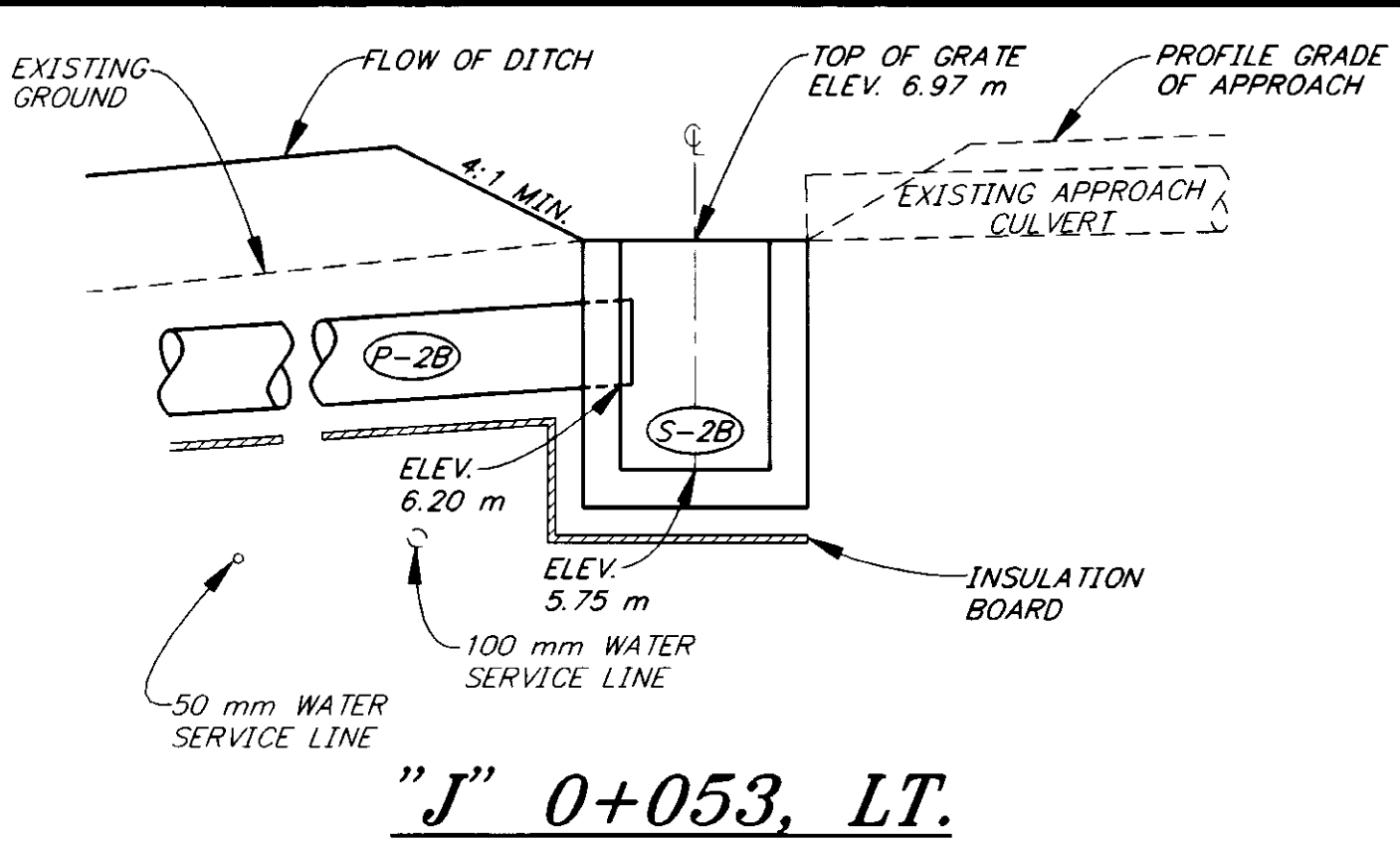
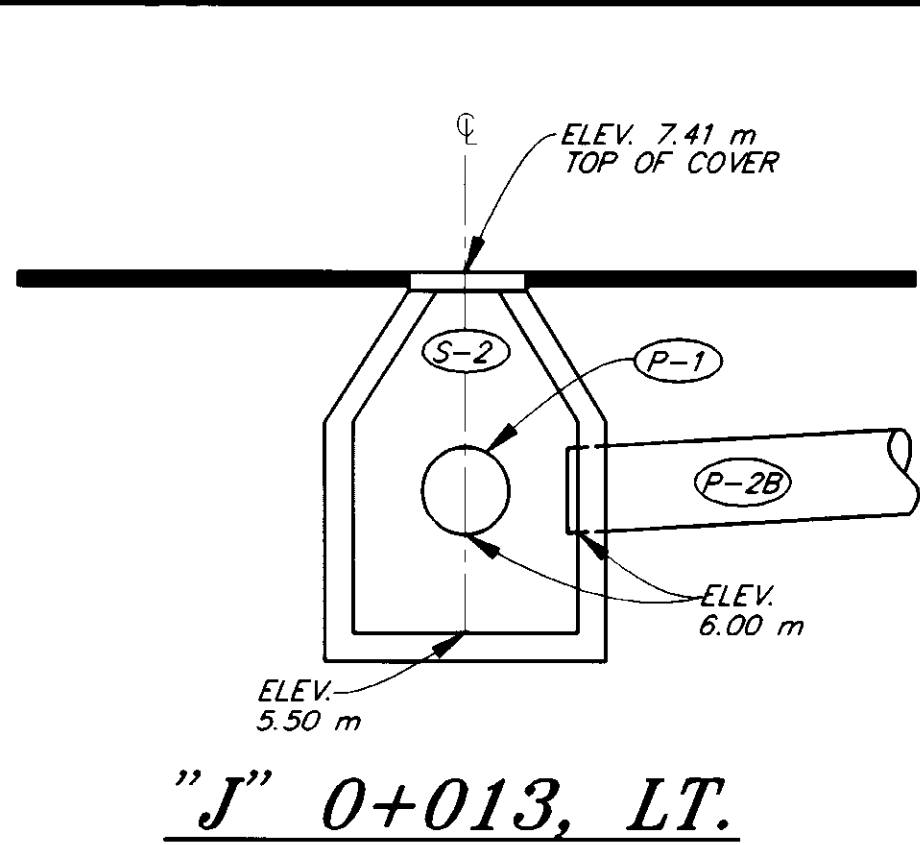
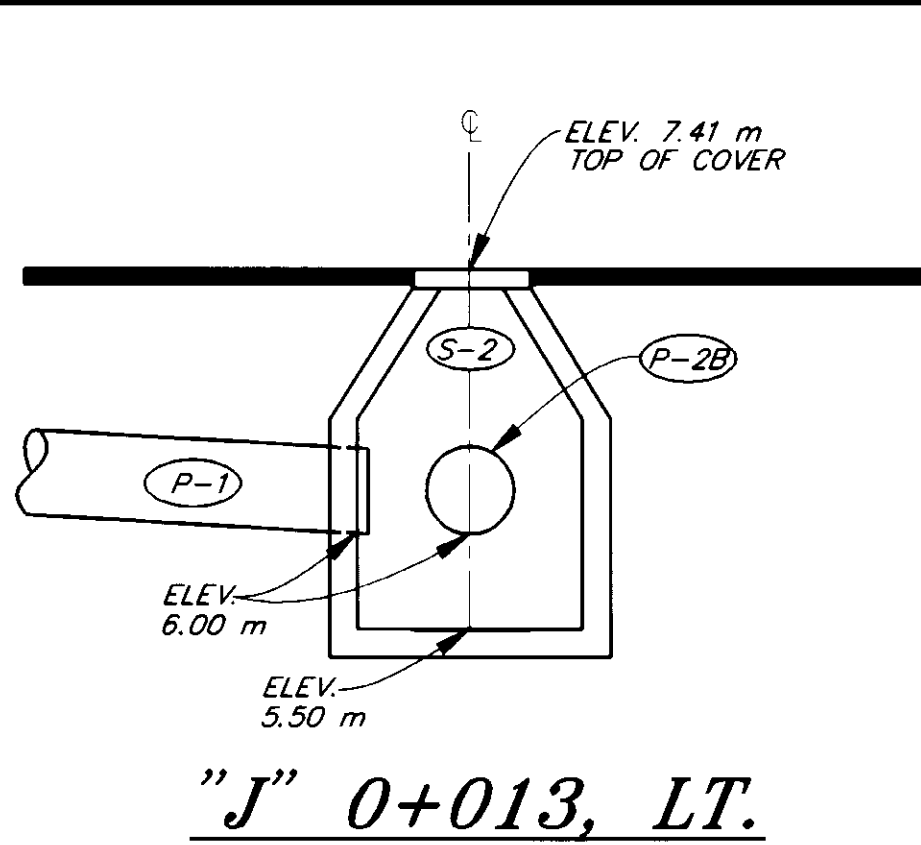
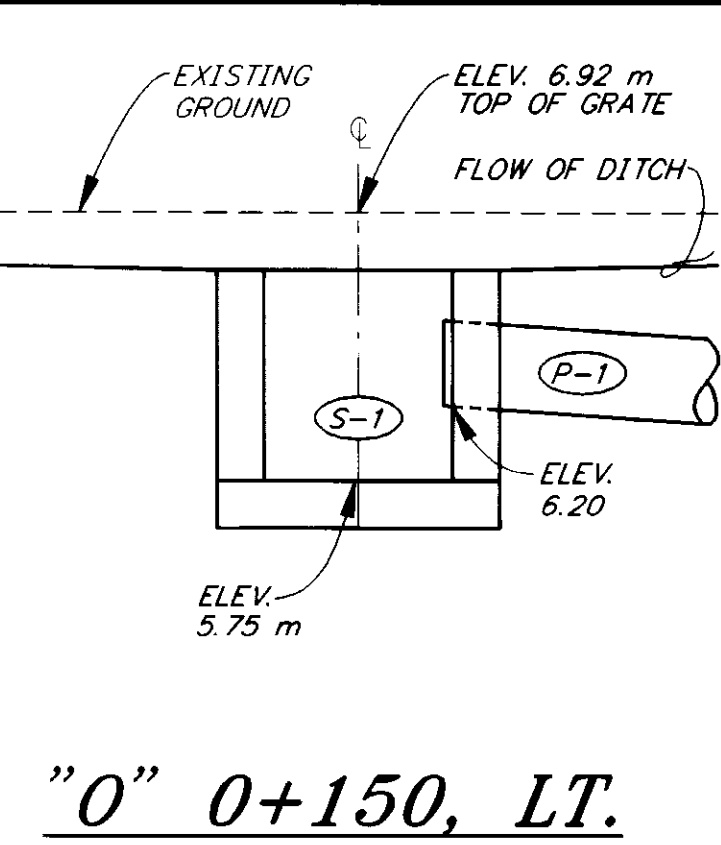
DESIGNED BY:
D. WILLIAMS/E. CAVAGNARO
DRAWN BY:
KK/CSA/KS
CHECKED BY:
A. STEININGER

PROJECT NO.
71823
DATE:
1996
SHEET 4 OF 15



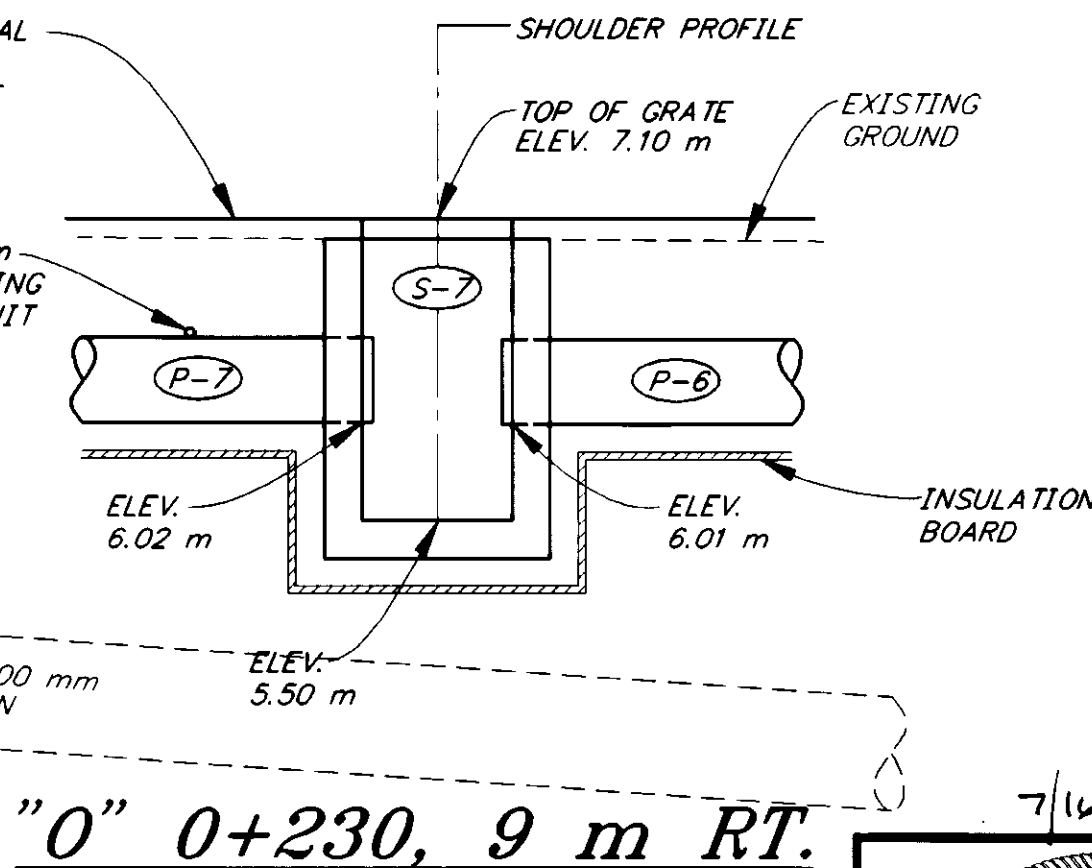
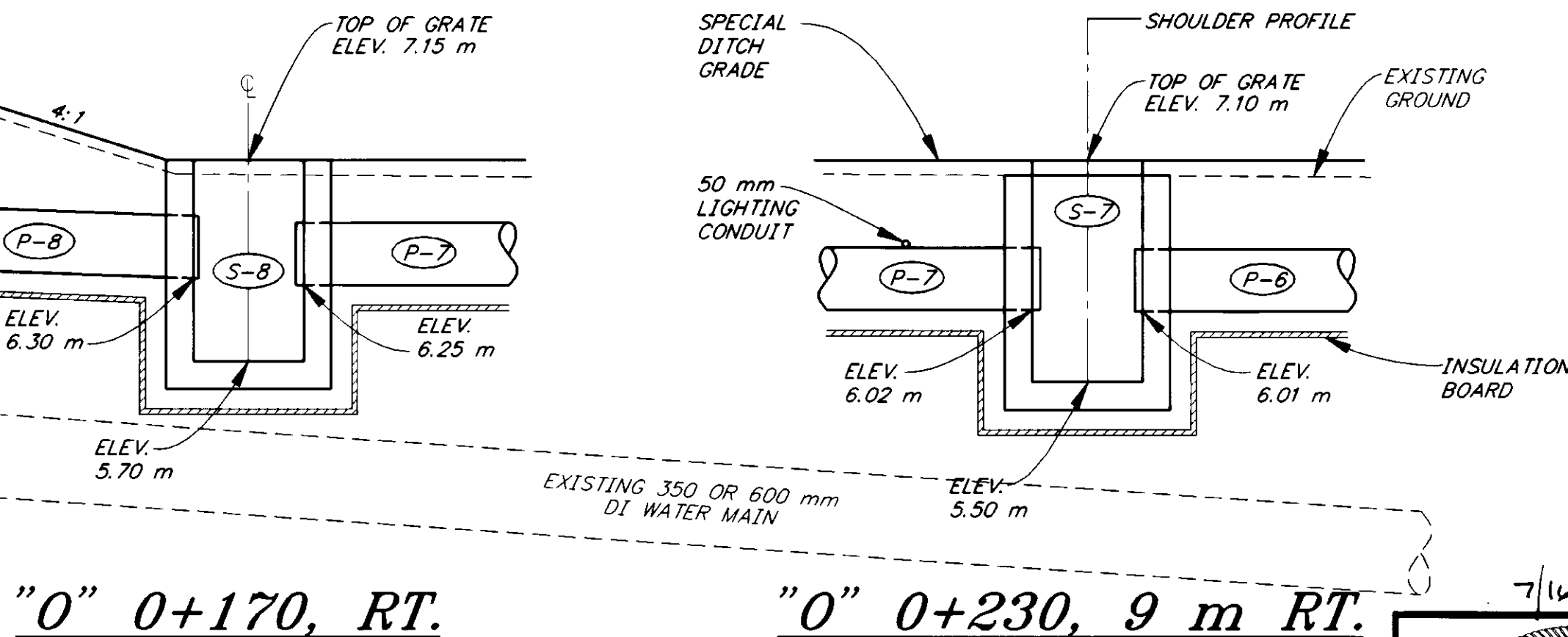
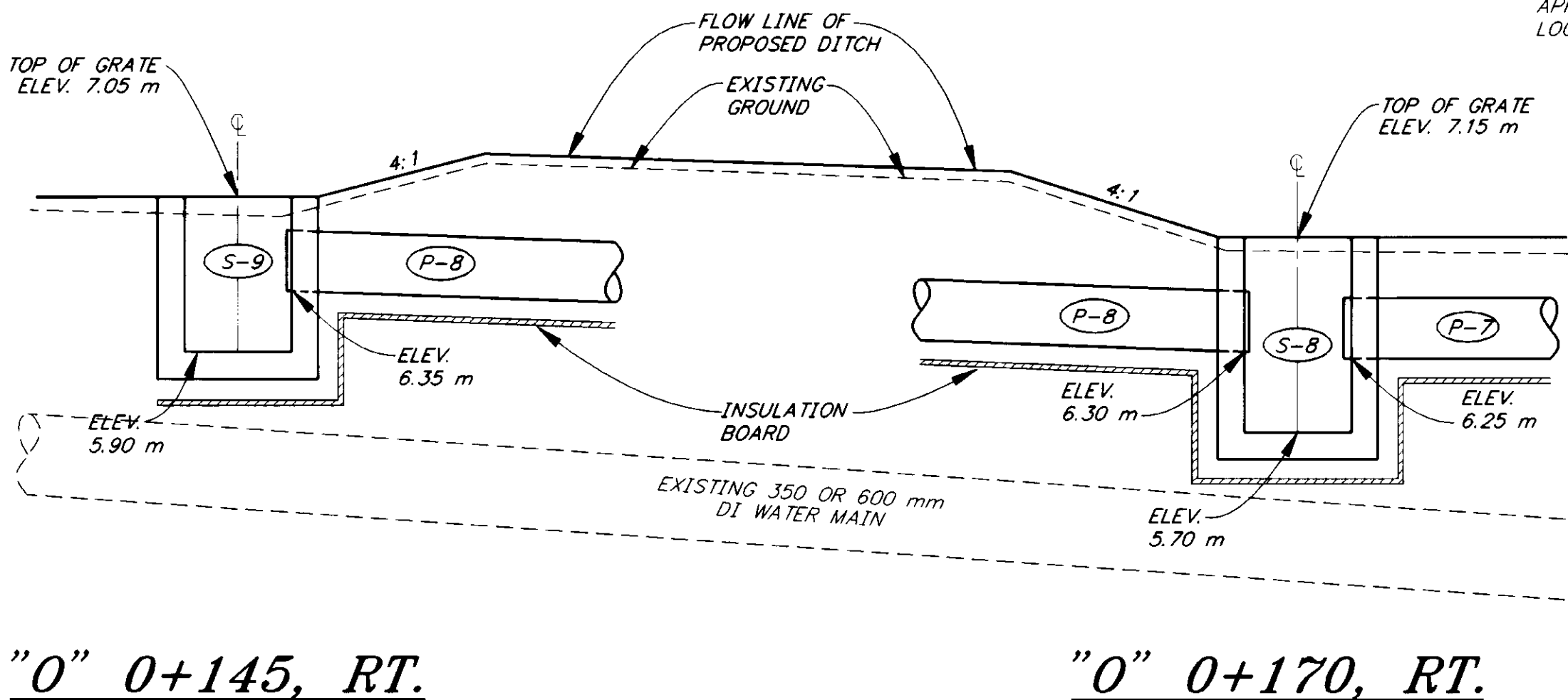
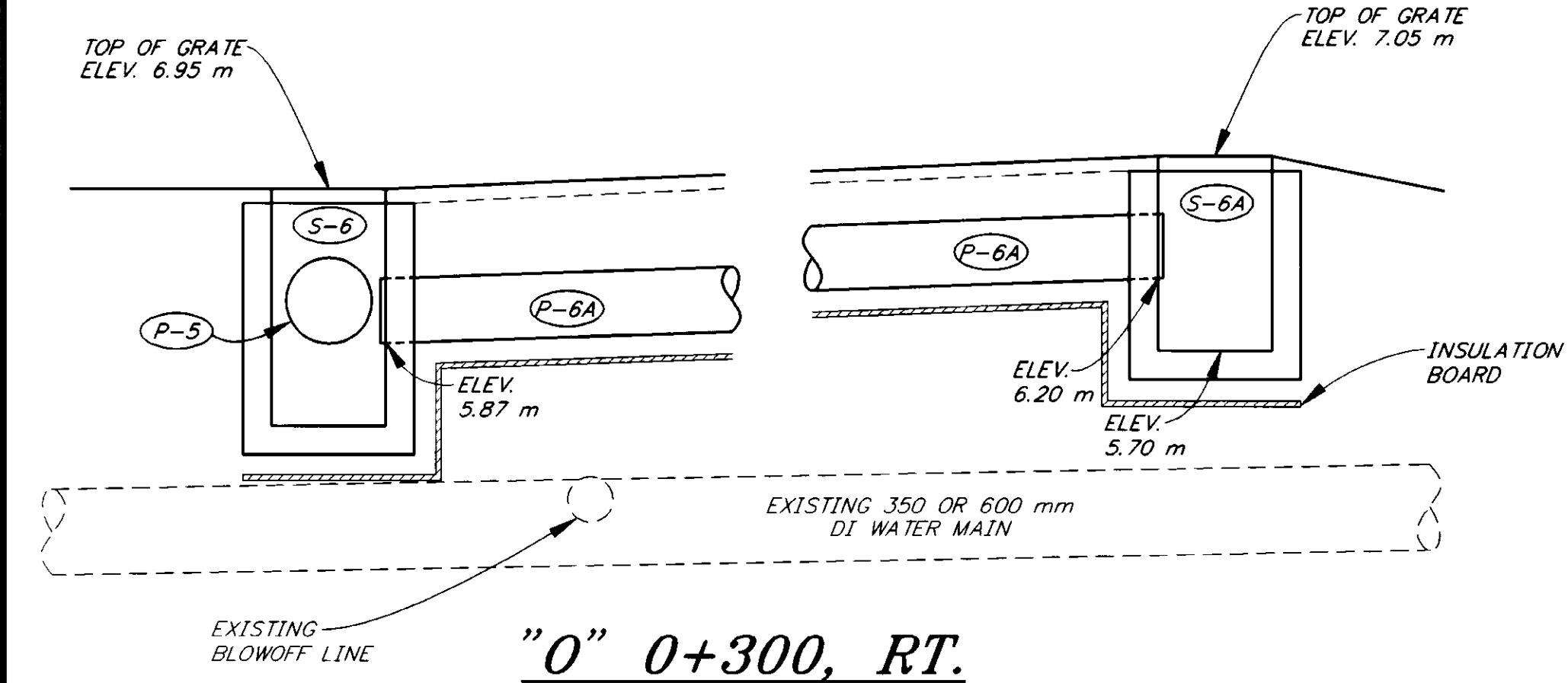
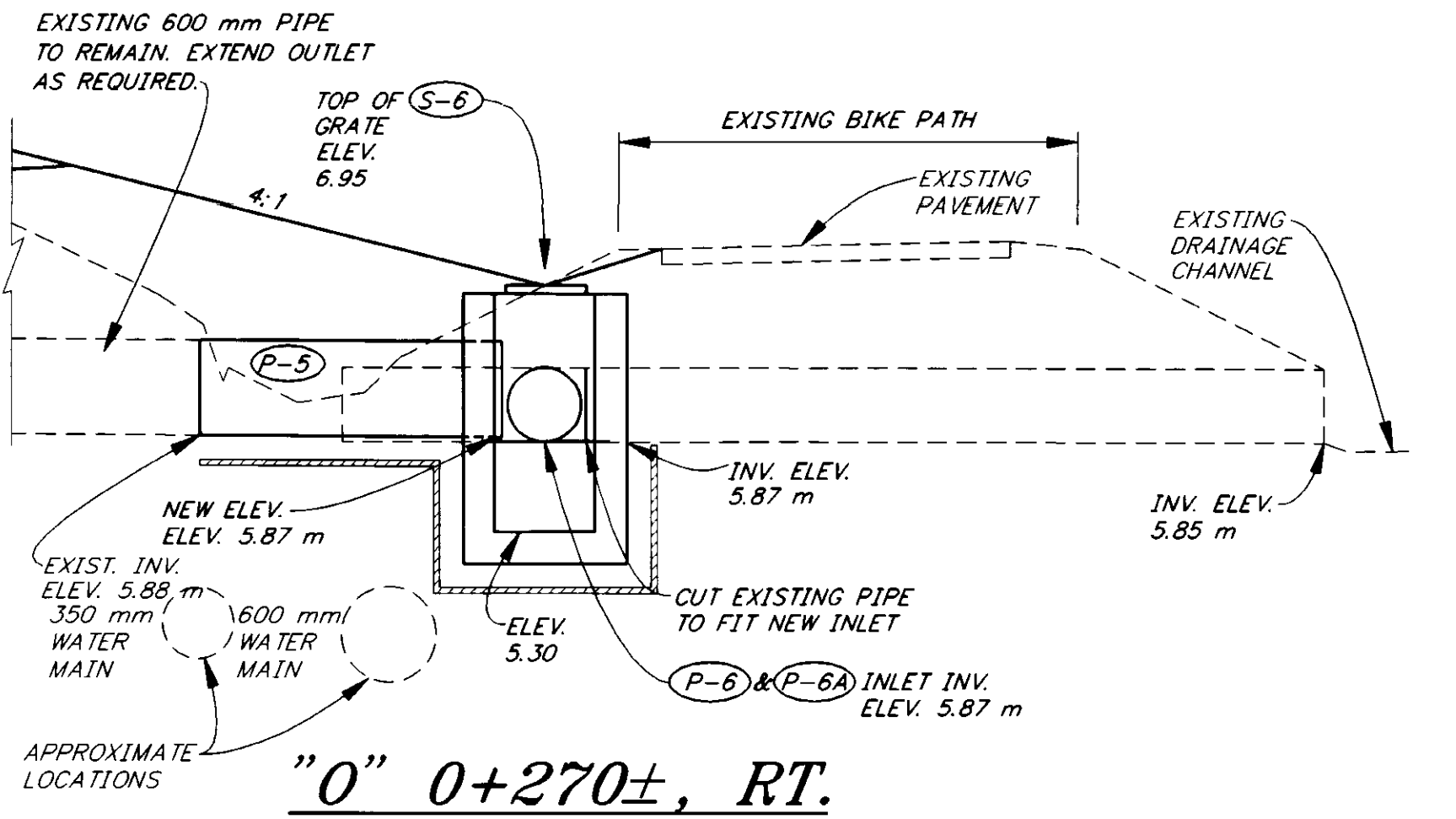
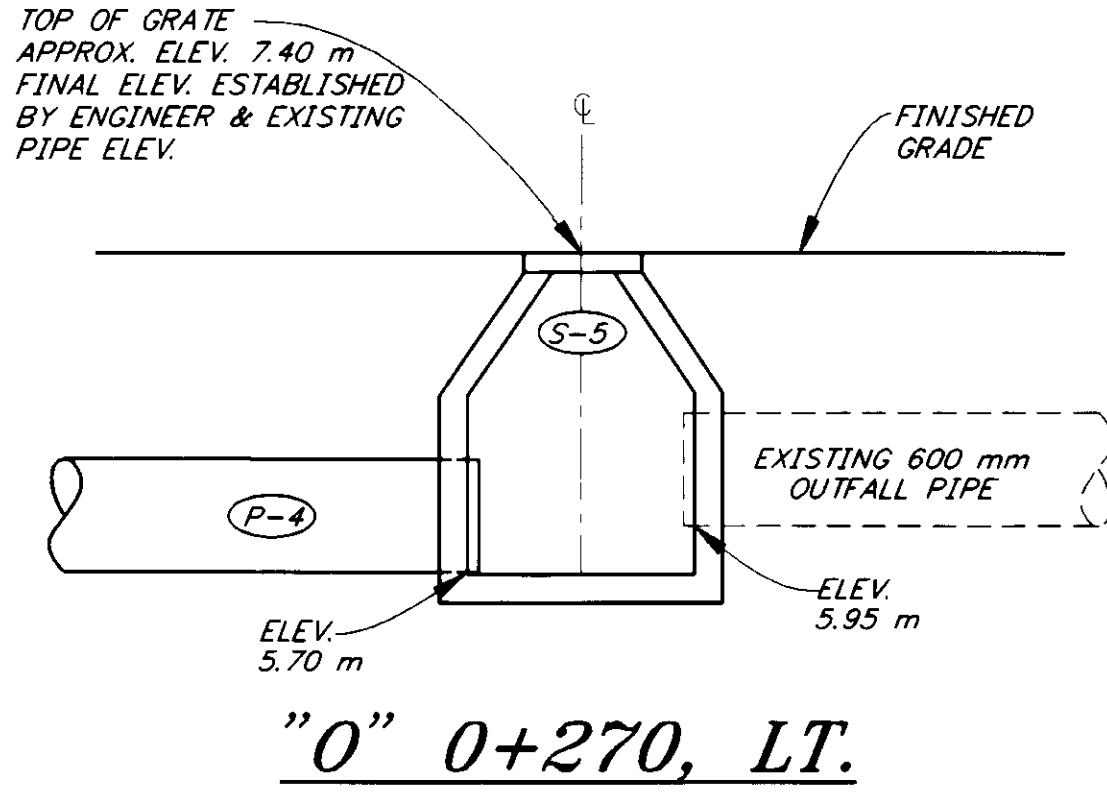
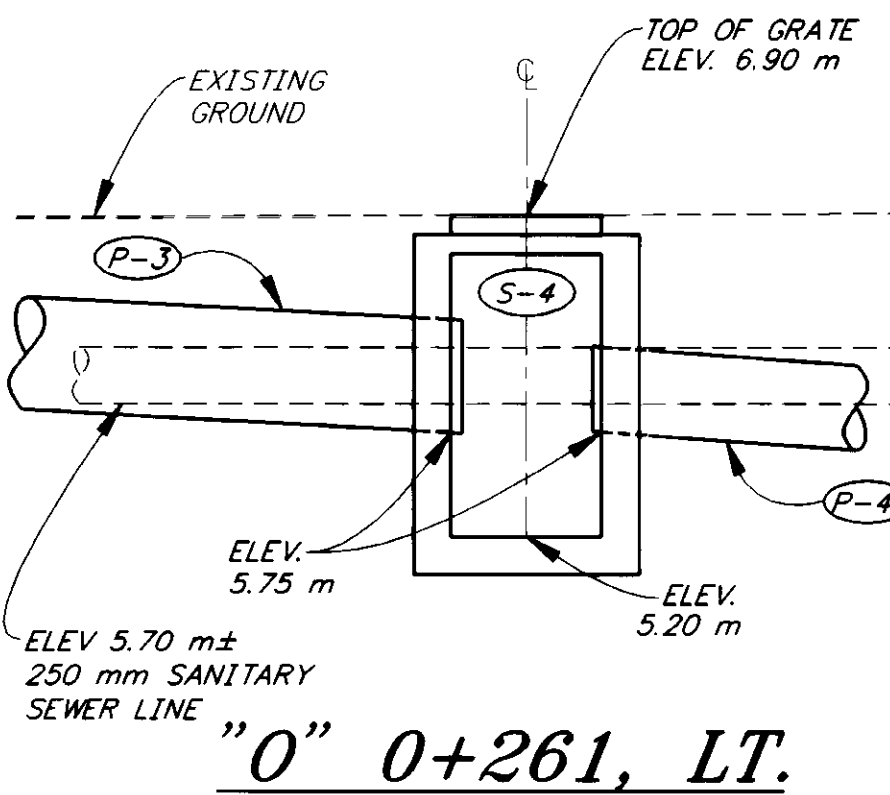
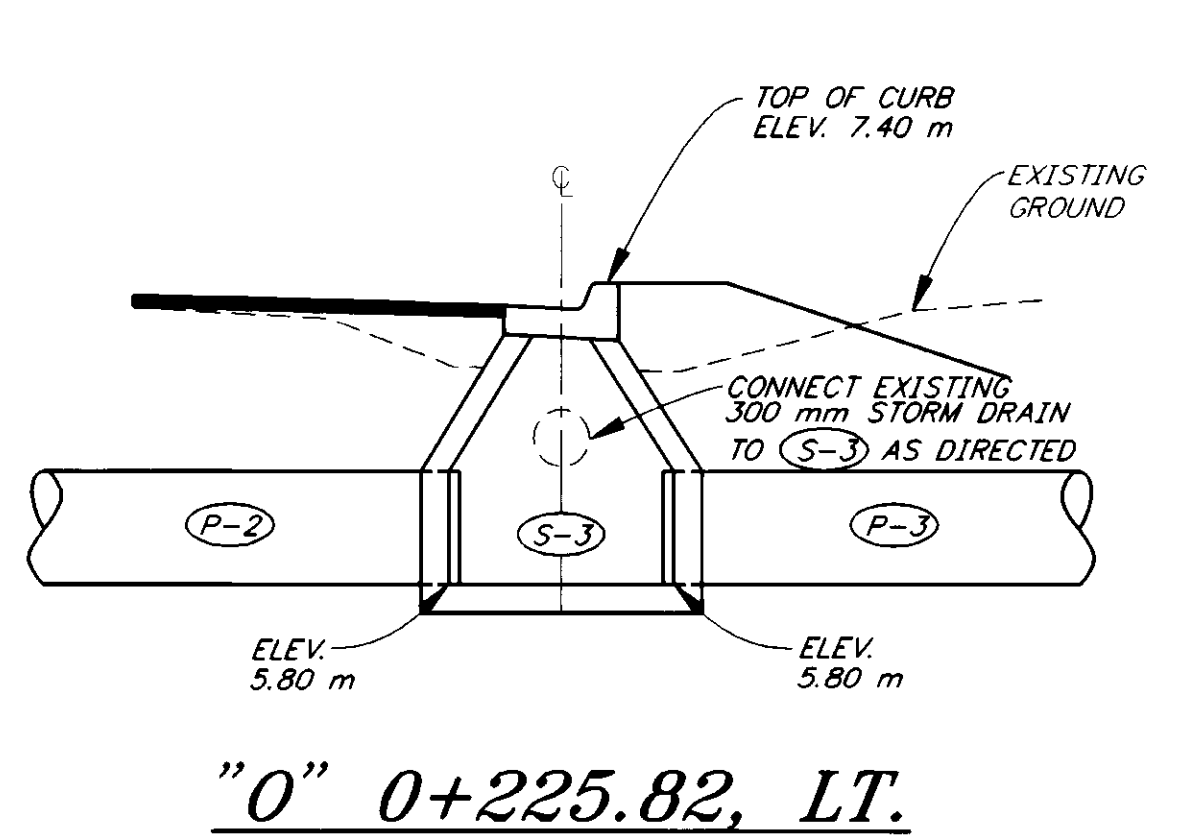
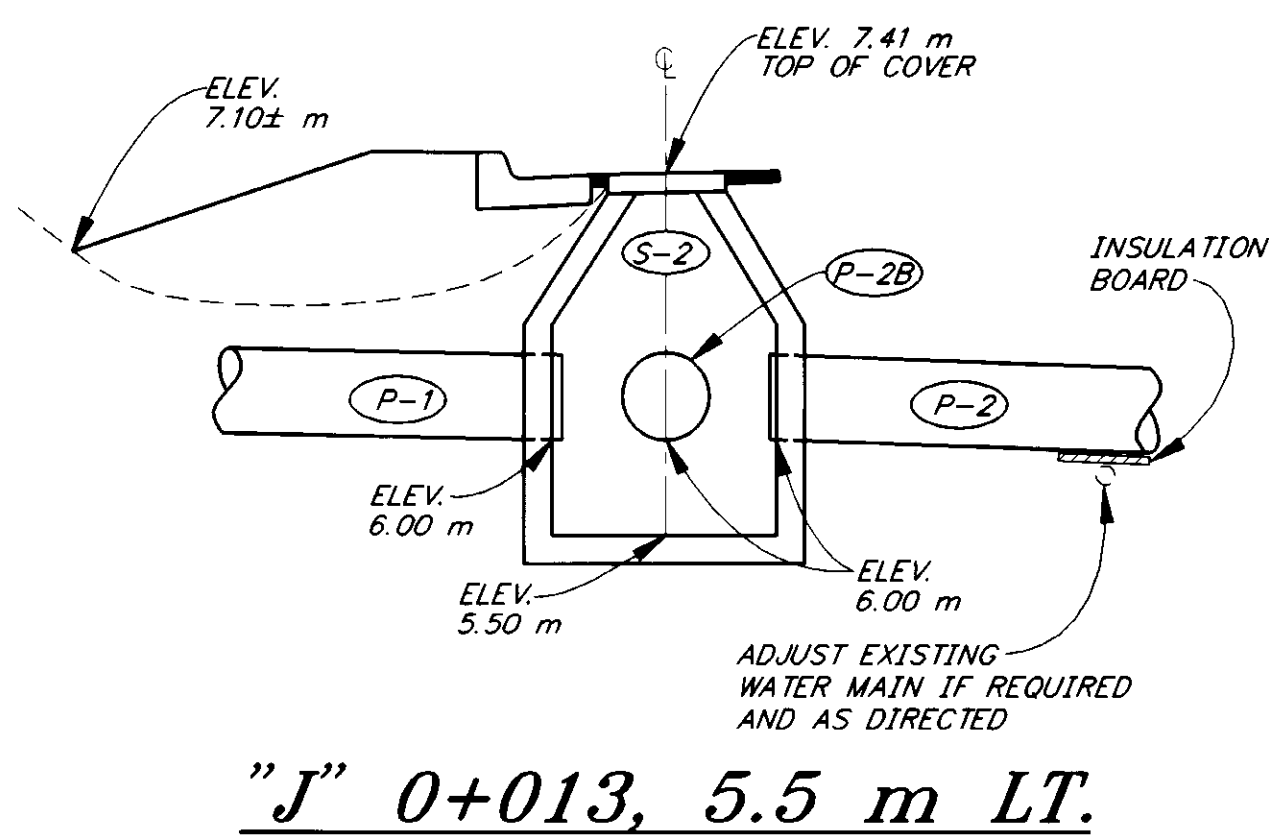
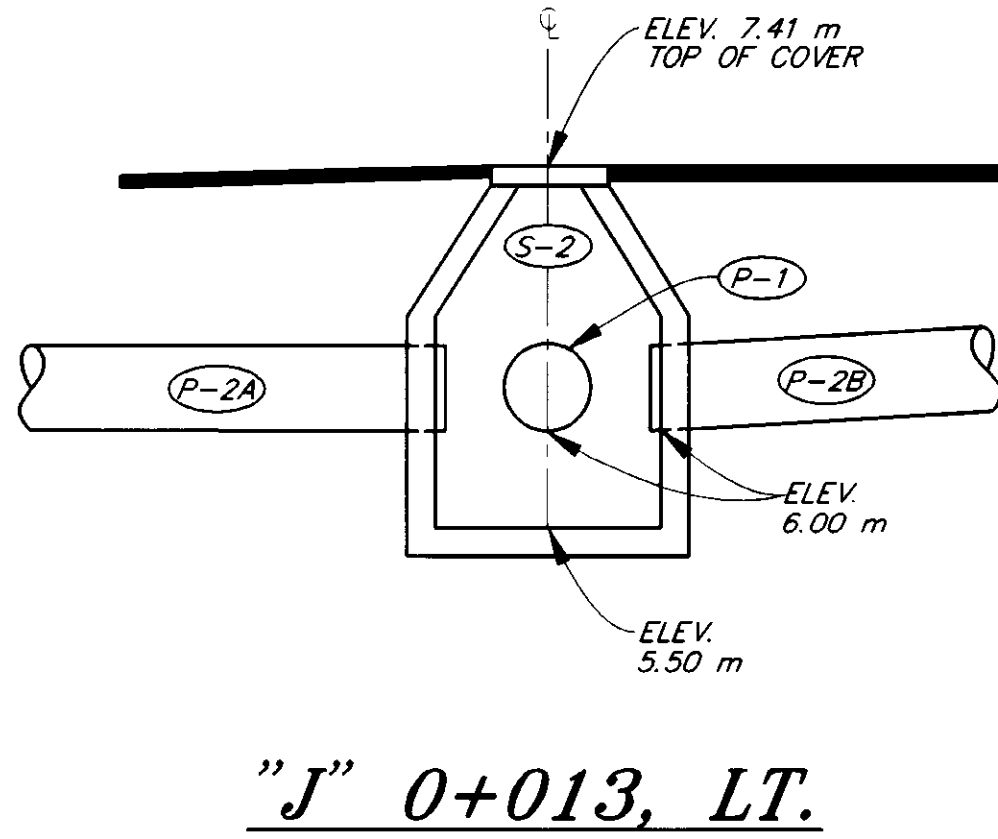
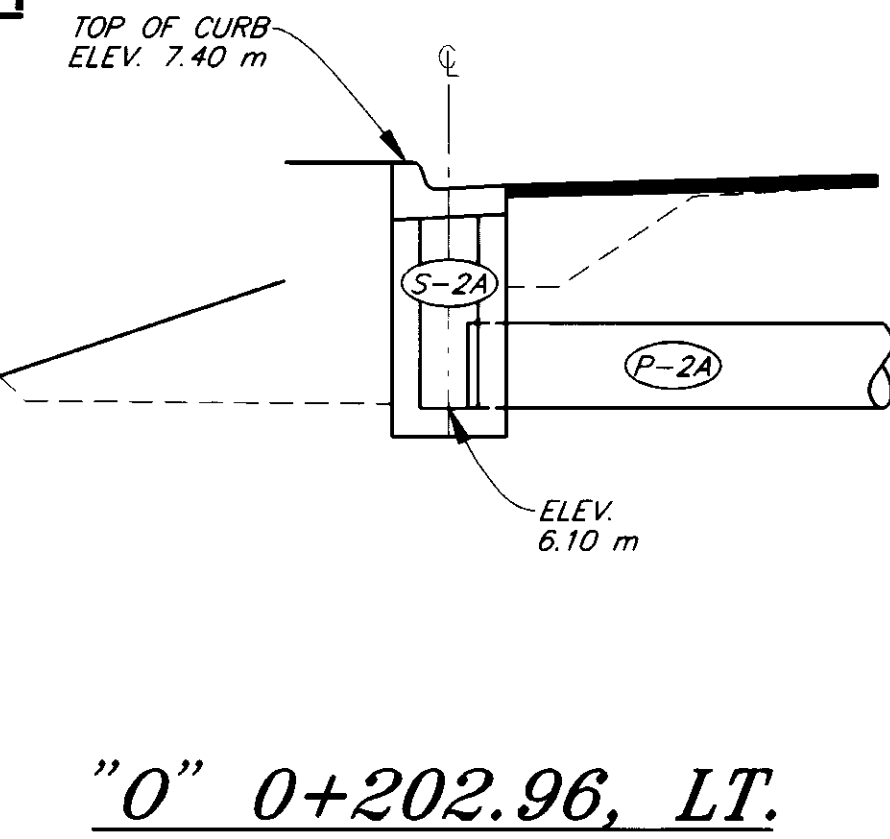


PIPE SUMMARY						
PIPE NO.	DIA. mm	LENGTH METERS	FROM STRUCT. OR STA.	INV. ELEV. METERS	FROM STRUCT. OR STA.	INV. ELEV. METERS
P-1	450	59	S-1	6.20	S-2	6.00
P-2	600	18	S-2	6.00	S-3	5.80
P-2A	450	6	S-2A	6.10	S-2	6.00
P-2B	450	40	S-2B	6.20	S-2	6.00
P-3	600	35	S-3	5.80	S-4	5.75
P-4	600	12	S-4	5.75	S-5	5.70
P-5	600	3	EXT. CMP	5.88	S-6	5.87
P-6	450	42	S-6	5.87	S-7	6.01
P-6A	450	30	S-6	5.87	S-6A	6.20
P-7	450	60	S-7	6.02	S-8	6.25
P-8	450	30	S-8	6.30	S-9	6.35
450 mm PERFORATED PIPE UNDERDRAIN						



STRUCTURE SUMMARY					
STRUCTURE	STATION	OFFSET LT. RT.	TOP OF STRUCTURE ELEVATION	STRUCTURE INVERT ELEVATION	REMARKS
S-1	"O" 0+150	8.65	③ 6.92	5.75	④ FIELD
S-2	"J" 0+013	5.00	② 7.41	5.50	TYPE "B"
S-2A	"O" 0+202.96	9.91	① 7.40	6.10	TYPE "A"
S-2B	"J" 0+053	7.30	③ 6.97	5.75	④ FIELD
S-3	"O" 0+225.82	11.36	① 7.40	5.80	TYPE "B"
S-4	"O" 0+261	12.35	③ 6.90	5.20	④ FIELD
S-5	"O" 0+270±	5.50	② 7.40±	5.70	TYPE "B"
S-6	"O" 0+270±	9.50	⑤ 6.95	5.30	④ TYPE "A"
S-6A	"O" 0+300	10.40	⑤ 7.05	5.70	④ TYPE "A"
S-7	"O" 0+230	9.00	⑤ 7.10	5.50	④ TYPE "A"
S-8	"O" 0+170	8.25	⑤ 7.15	5.70	④ TYPE "A"
S-9	"O" 0+145	8.90	⑤ 7.05	5.90	④ TYPE "A"

- TOP OF CURB ELEVATIONS. SEE STD. DWG. D-23.00[M] FOR GRATE AND FRAME DETAILS (G-4).
- TOP OF COVER ELEVATIONS. NEENAH FOUNDARY R-187B-B7L OR EQUAL. MINIMUM WEIGHT OF FRAME AND COVER SHALL BE 200 kg.
- TOP OF GRATE ELEVATIONS. SEE STD. DWG. D-26.01[M] FOR FIELD INLET FRAME AND GRATE DETAILS.
- 450 mm SUMP REQUIRED. SEE STD. DWG. D-26.01[M] FOR DETAILS.
- INDICATES TYPE A INLETS THAT SHALL BE CONSTRUCTED WITH A GROOVE TO HOLD THE GUTTER INLET FRAMES TO THE TOP OF INLET BOXES. SEE STD. DWG. D-24.00[M] FOR FRAME AND GRATE DETAILS AND OPTIONAL DESIGNS WILL BE REVIEWED TOO.



PATH: P:\SIT\71823\DR\DET2		
PATH: P:\LIB\PLT\MPL0TH.PCP(400) OR MPL0TH.PCP(800)		
BY:	DATE:	DESCRIPTION OF CHANGE:

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

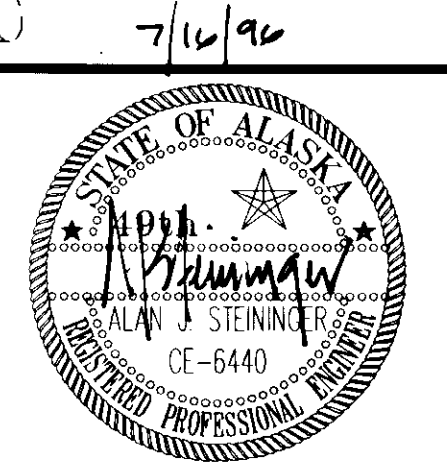
SITKA

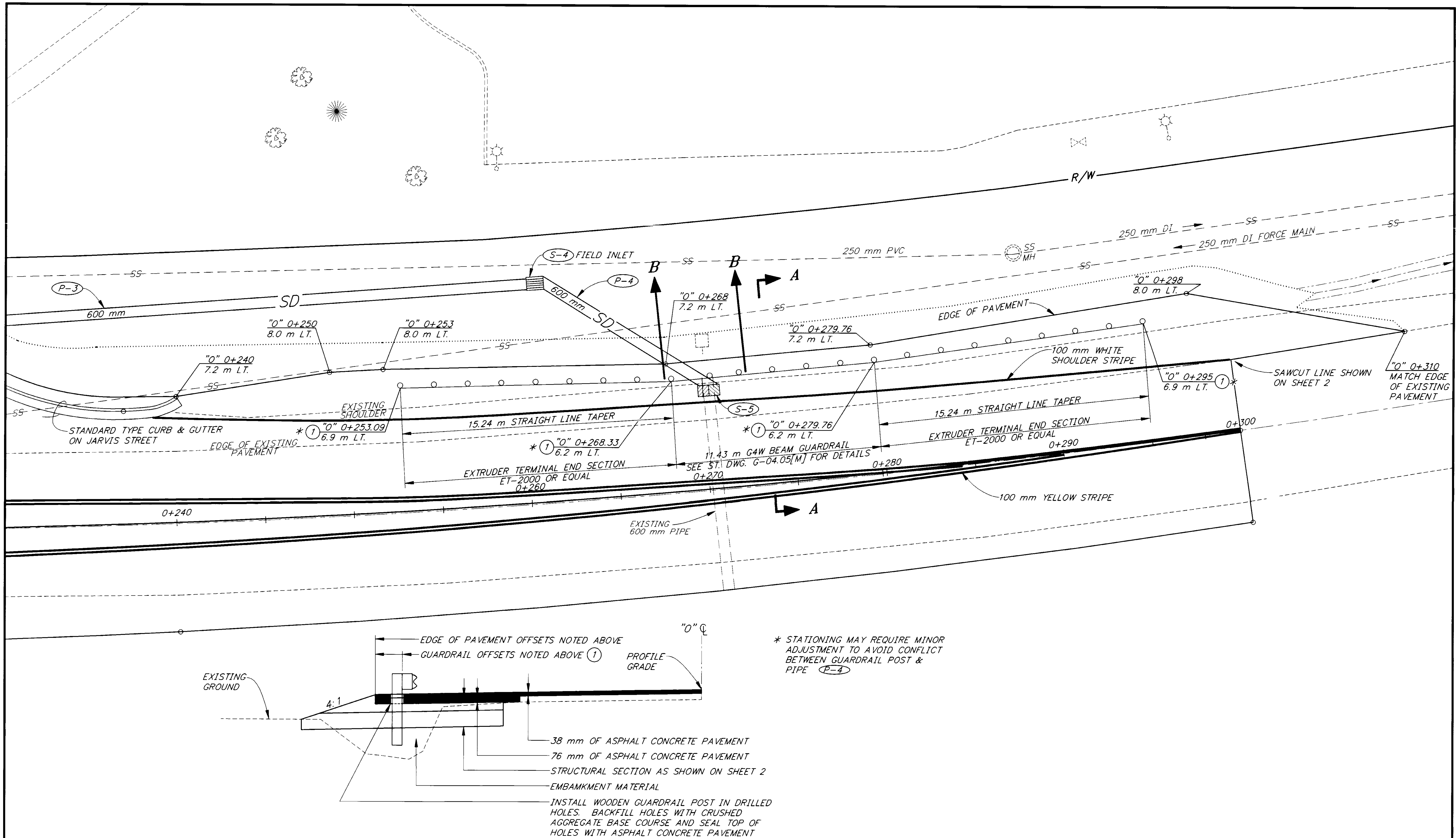
SAWMILL CREEK ROAD
LEFT TURN LANE
PROJECT NO. HHE-0933(15) ~ 71823
STORM DRAIN DETAILS

ALASKA

DESIGNED BY:
D. WILLIAMS/E. CAVAGNARO
DRAWN BY:
K. SNYDER
CHECKED BY:
A. STEININGER

PROJECT NO.
71823
DATE:
1996
SHEET 7 OF 15





SECTION A-A

PATH: P: \SIT\71823\DR\ -GRDR1		
PLOT: P: \-LIB\ -PLOT\MPLOTF.PCP(100) OR -MPLOTH.PCP(200)		
BY:	DATE:	DESCRIPTION OF CHANGE:
		DTWIST 47' 13' 53"
RECORD OF REVISIONS		

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

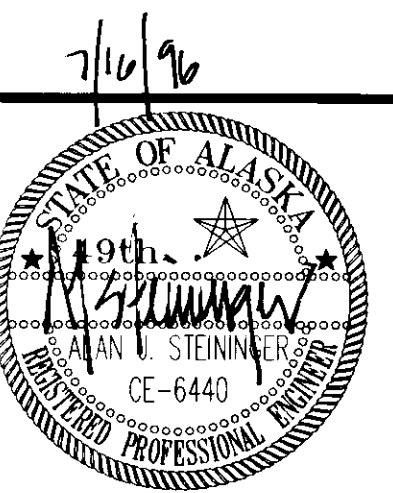
SITKA

SAWMILL CREEK ROAD
LEFT TURN LANE
PROJECT NO. HHE-0933(15) - 71823
GUARDRAIL DETAILS

ALASKA

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

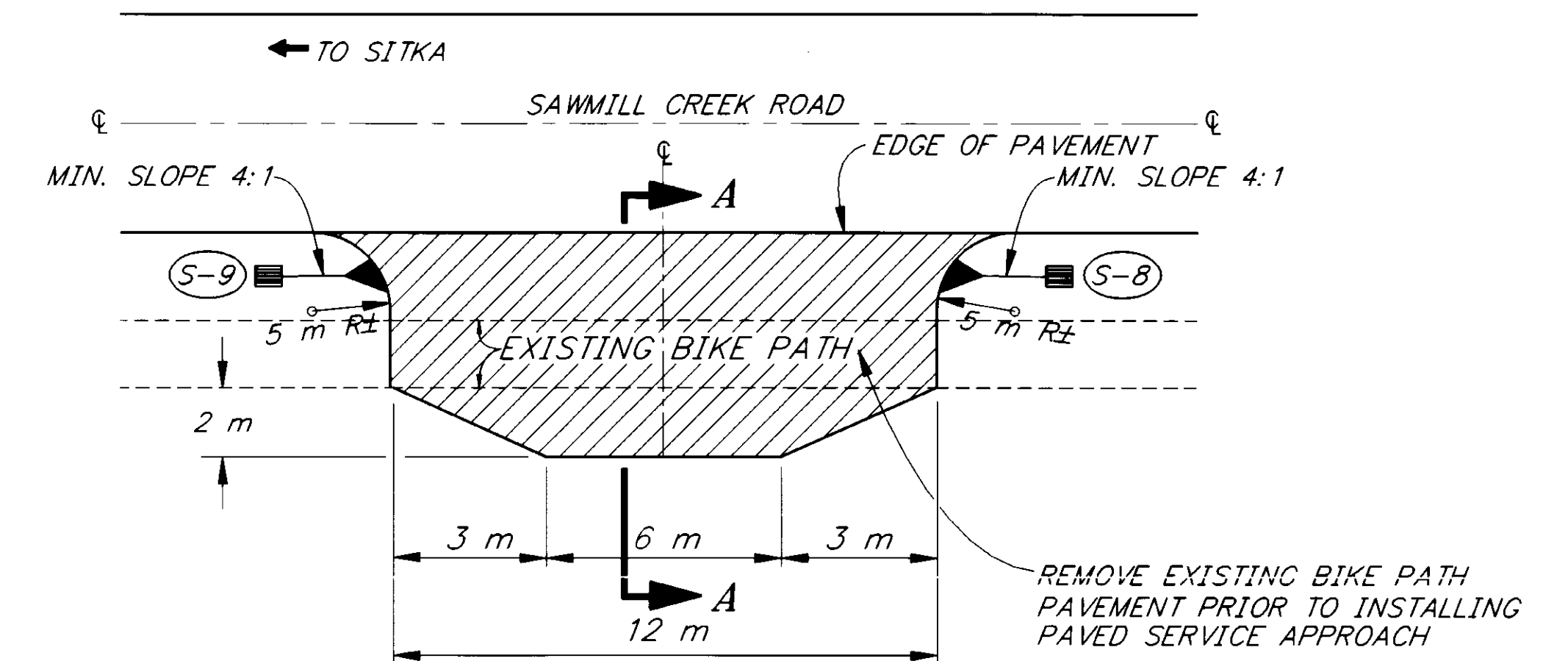
DESIGNED BY:	D. WILLIAMS/E. CAVAGNARO	PROJECT NO.	71823
DRAWN BY:	K. SNYDER	DATE:	1996
CHECKED BY:	A. STEININGER	SHEET	8 OF 15



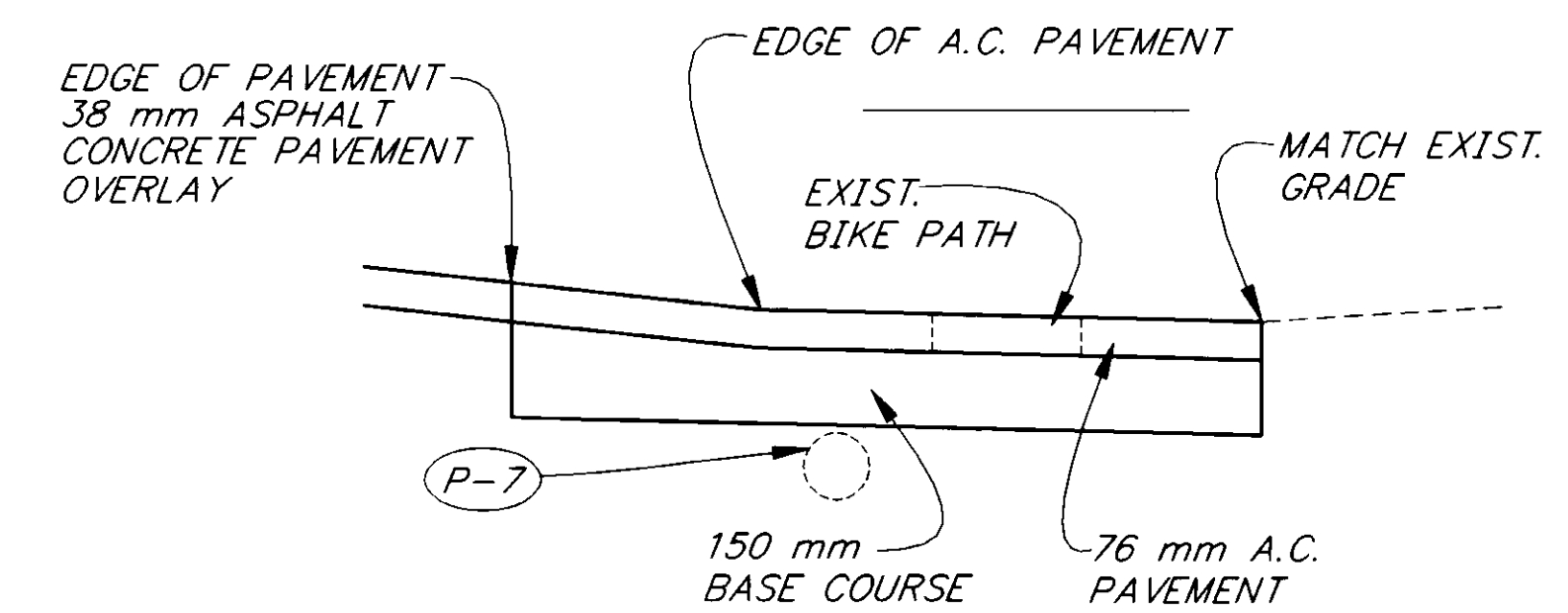
HYDRANT NOTES

1. HYDRANT BARREL MUST BE PLUMB.
2. COVER SHALL BE 1.5 m MINIMUM.
3. HYDRANT BARREL, JUST BELOW BONNET, SHALL HAVE NUMBER OF FEET TO VALVE PRINTED IN BLACK, 13 mm, BLOCK LETTERS.
4. BEDDING AND BACKFILL SHALL BE PLACED IN 152 mm LIFTS AND SHALL BE COMPACTED TO 95% DENSITY.

HYDRANT RELOCATION DETAIL

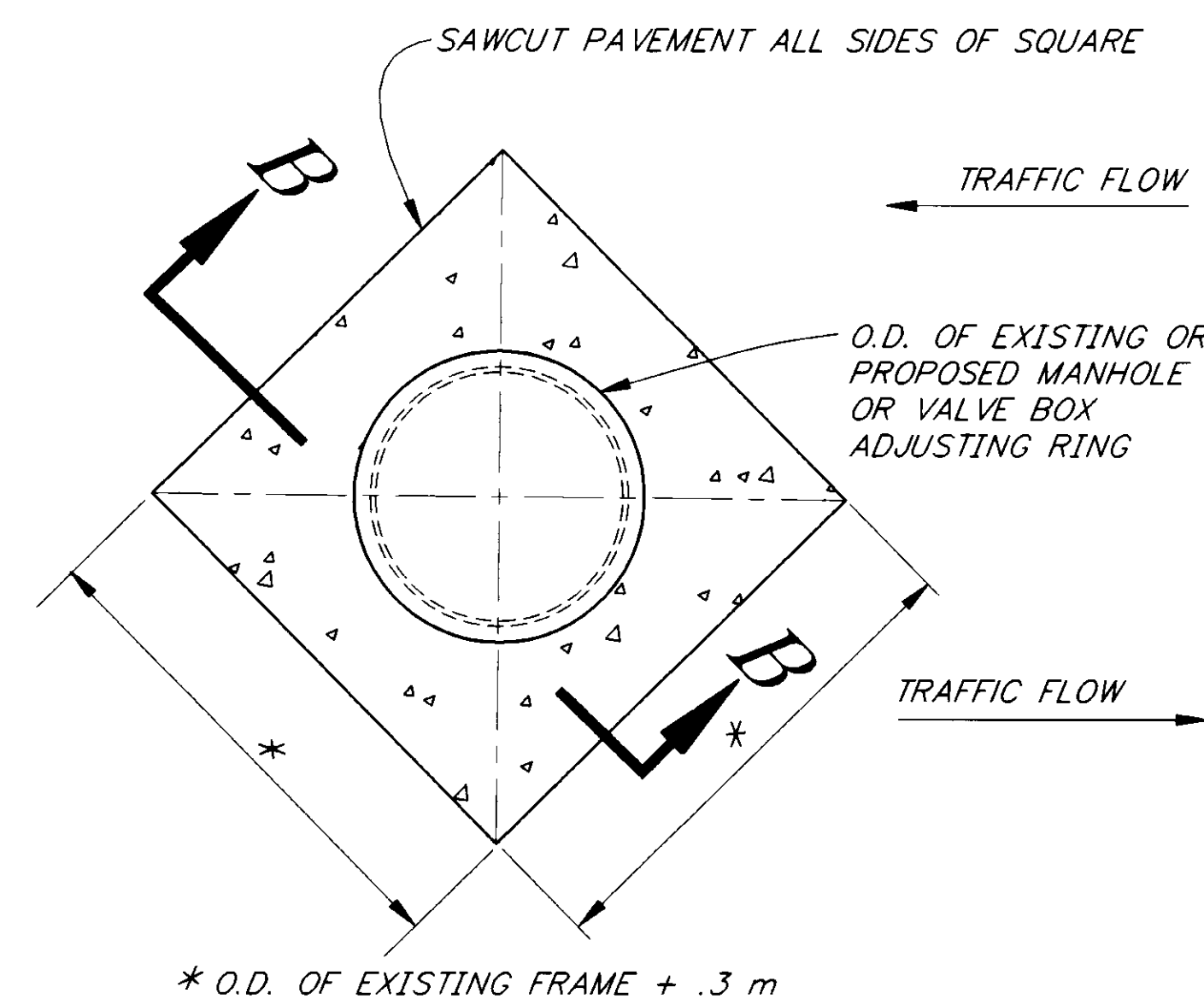


PLAN



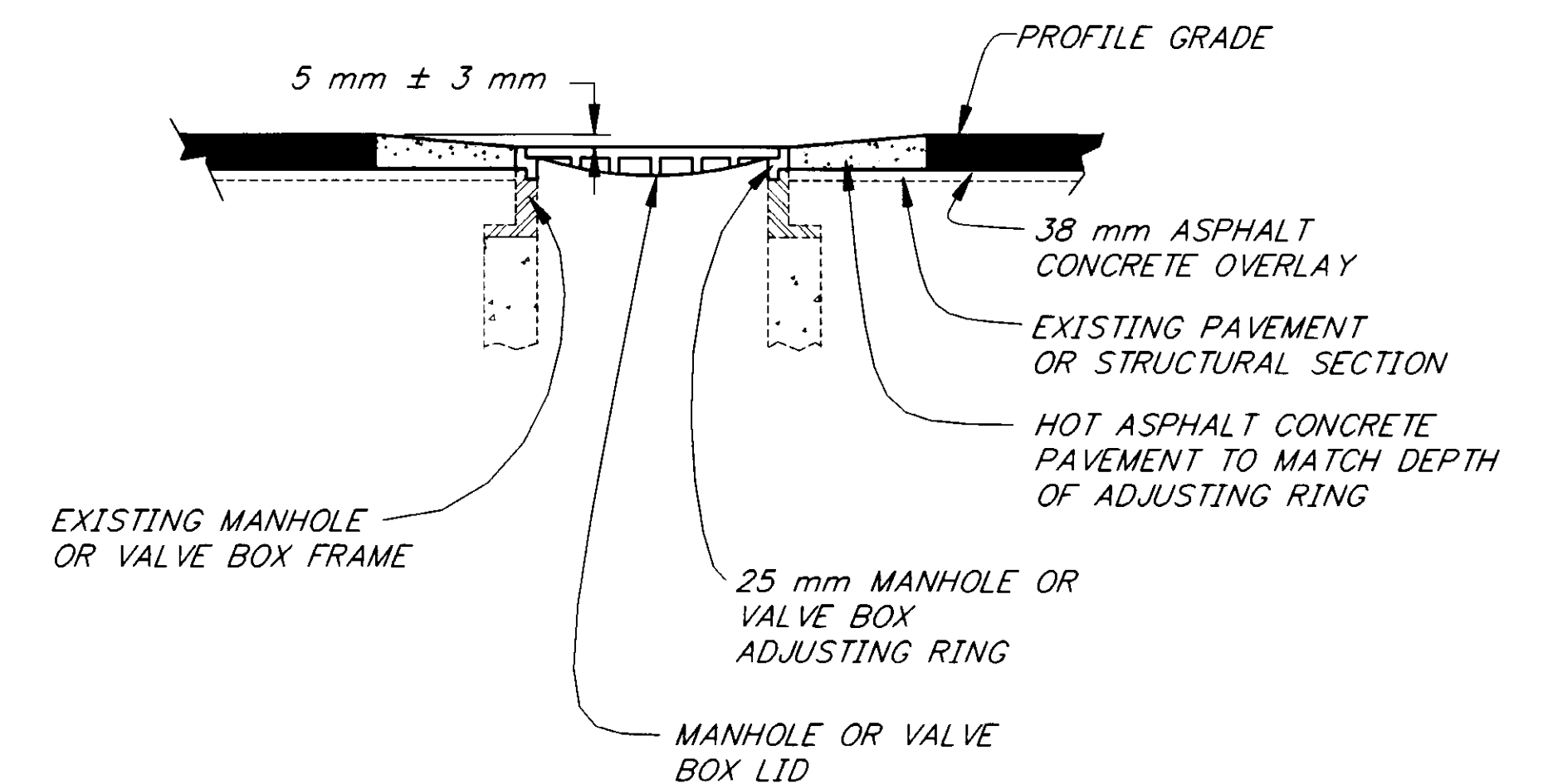
SECTION A-A

APPROACH AT 0+145.93



PLAN

MANHOLE & VALVE BOX ADJUSTMENT DETAIL



SECTION B-B

PATH: P:\SIT\71823\DR\MISCDET		
PATH: P:\-LIB\ -PLOT\MPLOTF.PCP(1) OR MPLOTH.PCP(2)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

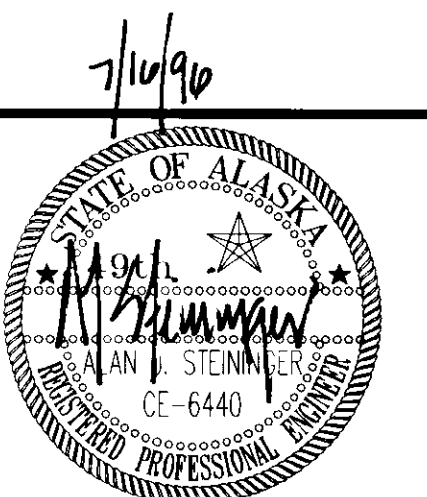
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

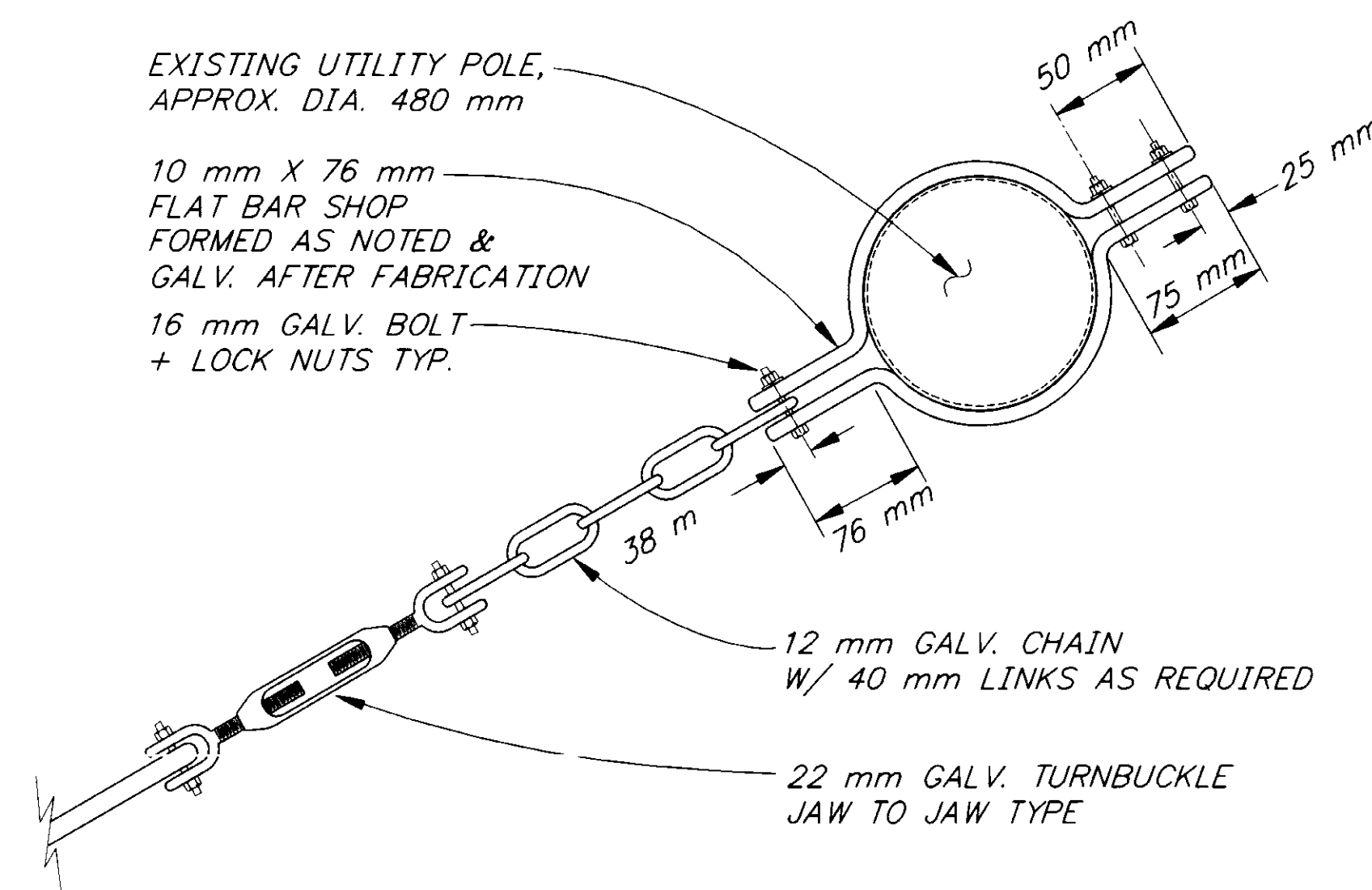
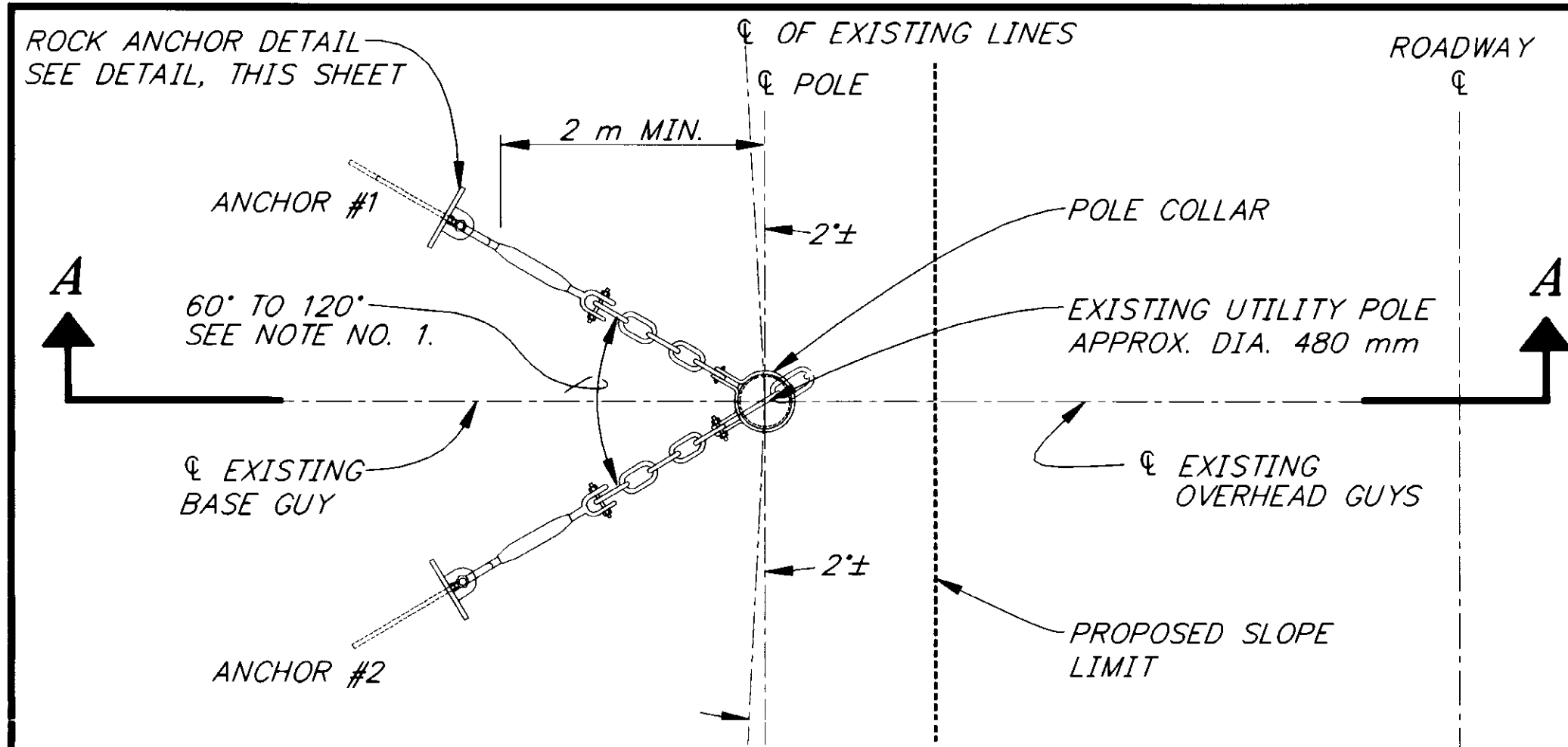
SITKA

SAWMILL CREEK ROAD
LEFT TURN LANE
PROJECT NO. HHE-0922(15) ~ 71823
MISCELLANEOUS DETAILS

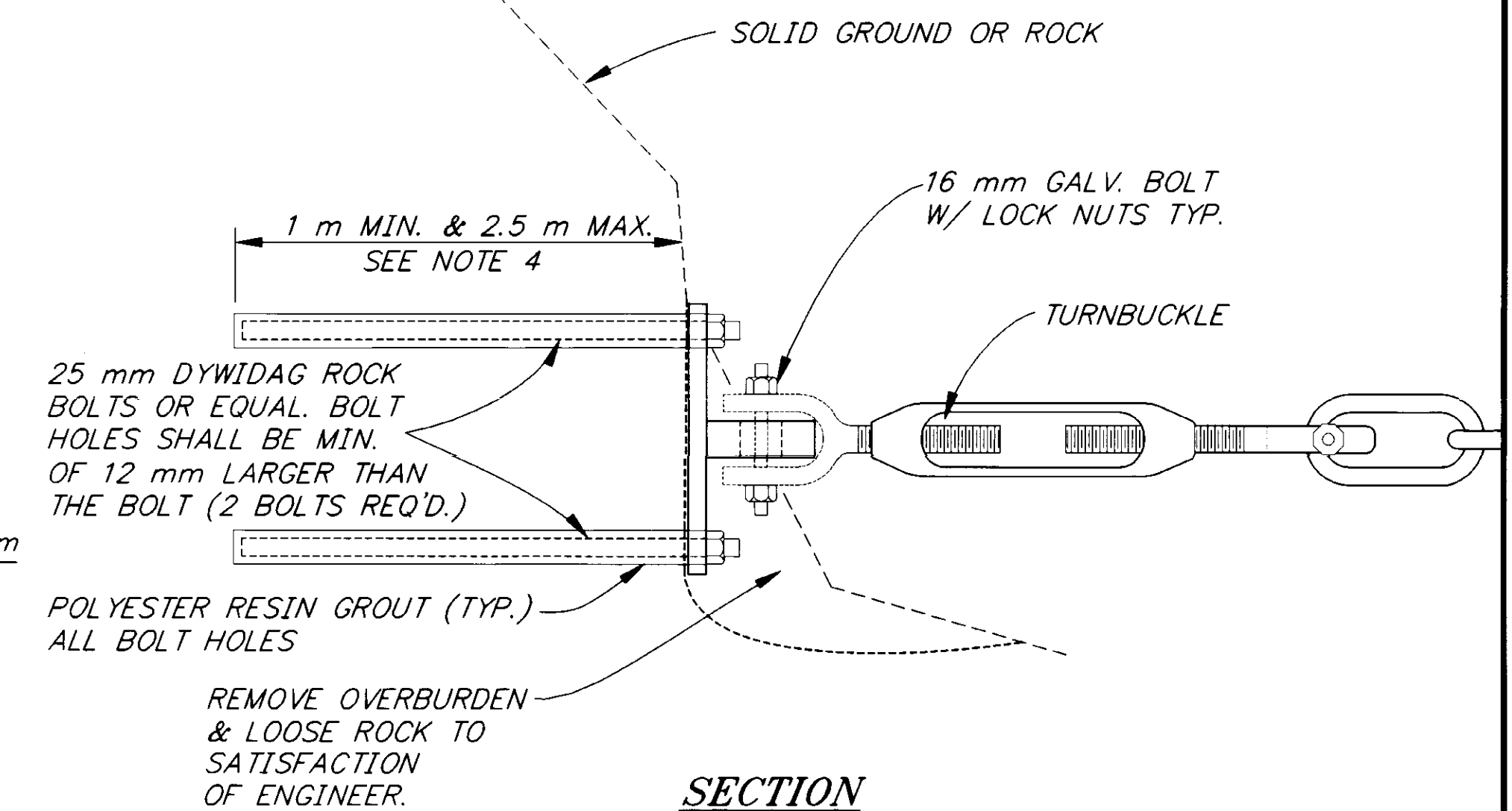
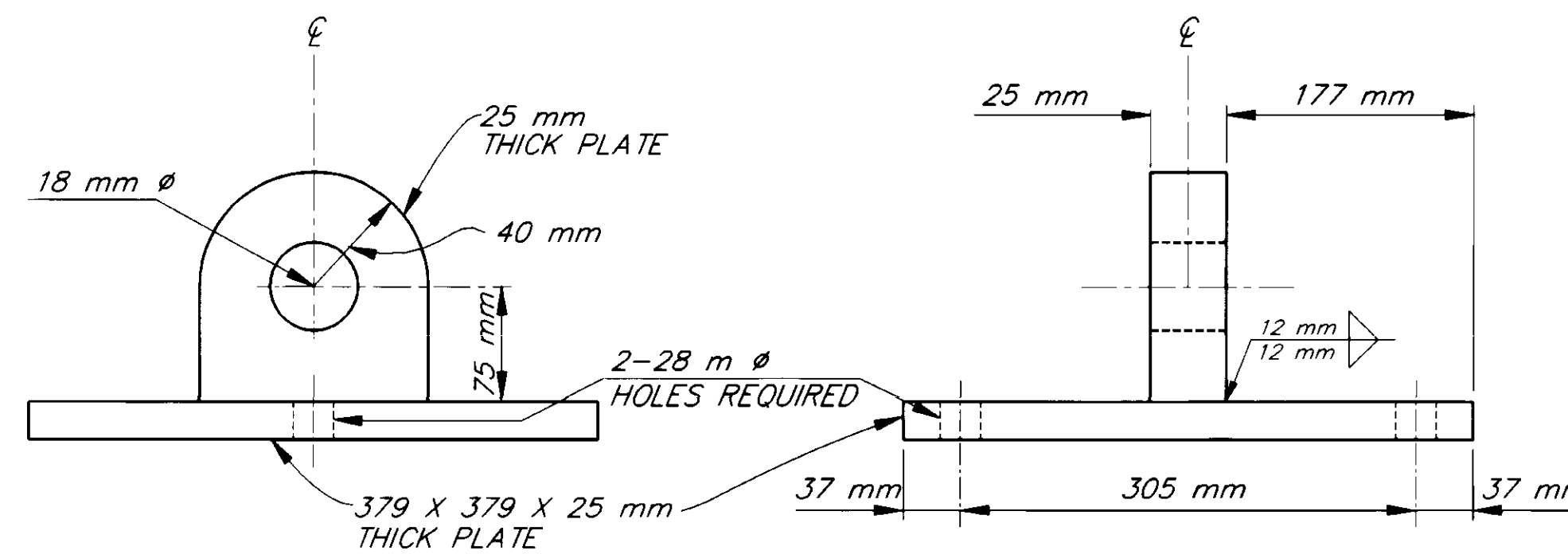
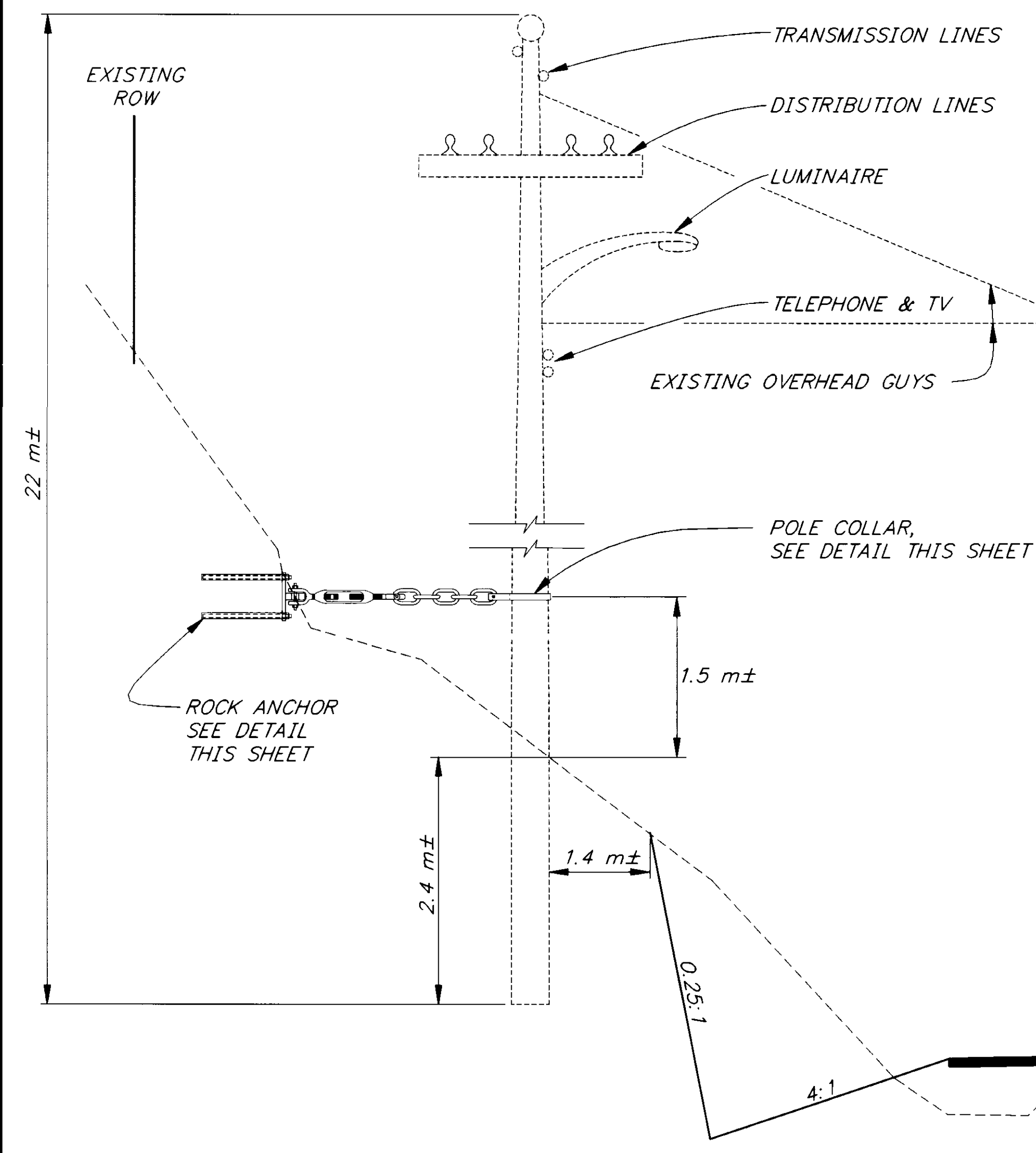
NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

DESIGNED BY:	PROJECT NO.
D. WILLIAMS/E. CAVAGNARO	71823
DRAWN BY:	DATE:
CSA/KS	1996
CHECKED BY:	SHEET 9 OF 15
A. STEININGER	





- ## **GENERAL INSTALLATION NOTES**
1. IF A SOLID ROCK(S) CANNOT BE LOCATED BETWEEN THE STATED ANGLES, THE ENGINEER WILL AUTHORIZE THE INSTALLATION OF ANOTHER ANCHOR SYSTEM. THE REVISED ANCHOR SYSTEM SHALL BE AS RECOMMENDED BY THE CONTRACTOR AND BE APPROVED BY THE SITKA ELECTRICAL DEPARTMENT, AND THE ENGINEER.
 2. REVISED ANCHORING SYSTEMS MAY BE SUBMITTED FOR APPROVAL. REVISED DESIGNS SHALL BE SUBMITTED IN ACCORDANCE WITH SUBSECTION 105-1.02 OF THE SPECIFICATIONS AND WILL REQUIRE THE APPROVAL OF SITKA'S ELECTRICAL DEPARTMENT.
 3. THE APPROVED ANCHORING SYSTEM SHALL BE TENSIONED TO 100kg.
 4. LENGTH OF ROCK BOLTS SHALL BE ADJUSTED (2.5 m MAX.) UNTIL SOLID ROCK IS ENCOUNTERED AT THE SATISFACTION OF THE ENGINEER.



ROCK ANCHOR INSTALLATION DETAILS

PATH: P: \SIT\71823\DR\ - DET5		
PLOT: P: \-LIB\ -PLOT\MPLOTF.PCP(50) OR MPLOTH.PCP(100)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

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

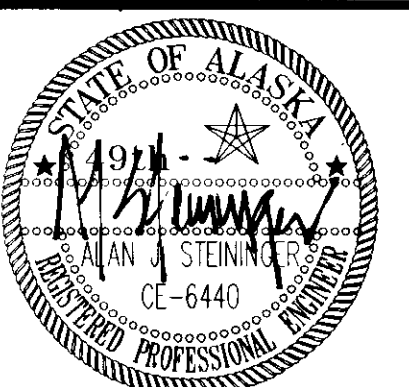
| *SITKA*

SAWMILL CREEK ROAD
LEFT TURN LANE
PROJECT NO. HHE-0933(15) - 71823
MISCELLANEOUS DETAILS

ALASKA

DESIGNED BY:	<i>E. CAVAGNARO</i>
DRAWN BY:	<i>K. SNYDER/B.A.</i>
CHECKED BY:	<i>A. STEININGER</i>

PROJECT NO.	71823
DATE:	1996
SHEET	10 OF 15



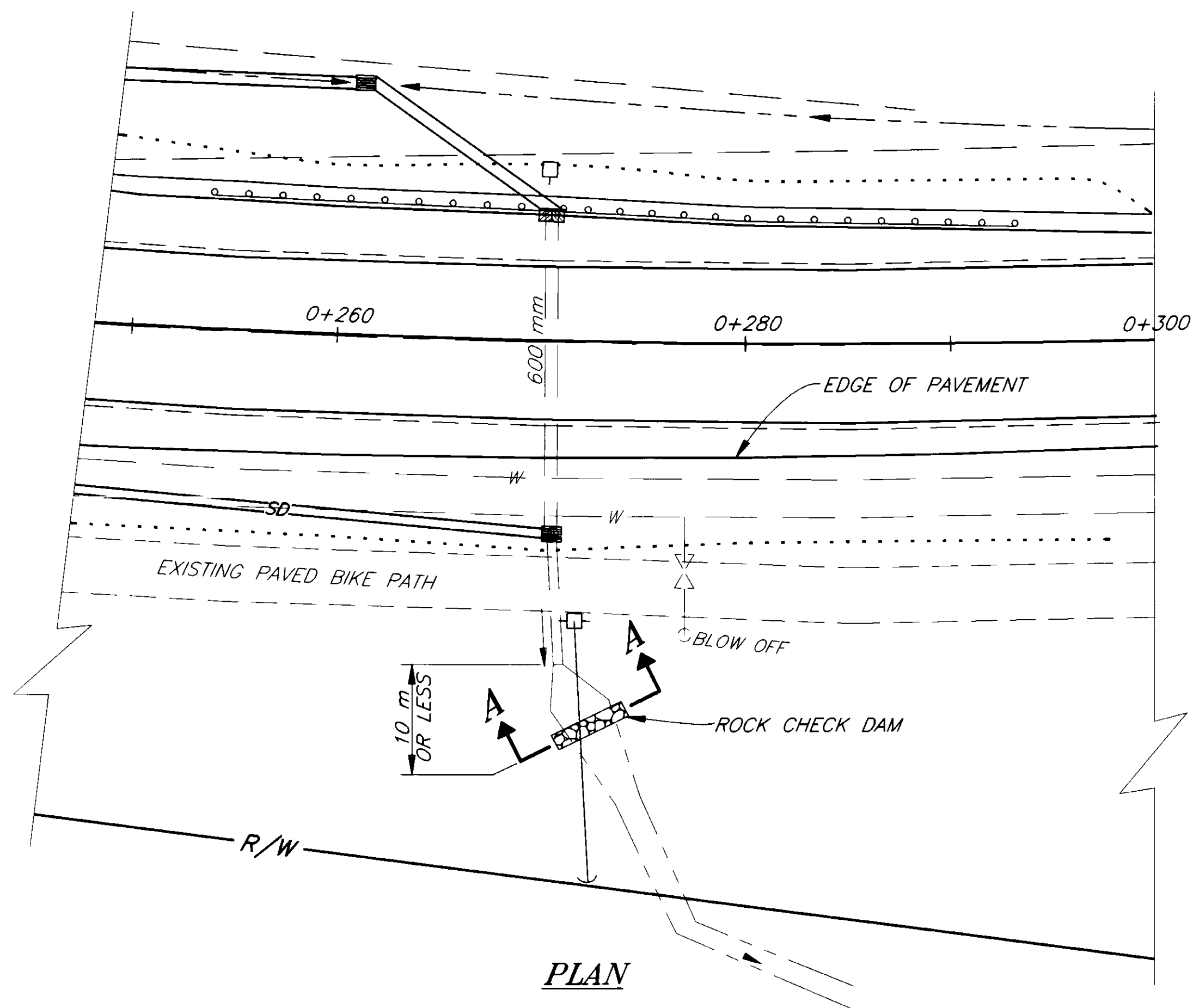
EROSION & SEDIMENT CONTROL PLAN NOTES

TEMPORARY EROSION AND SEDIMENT CONTROL

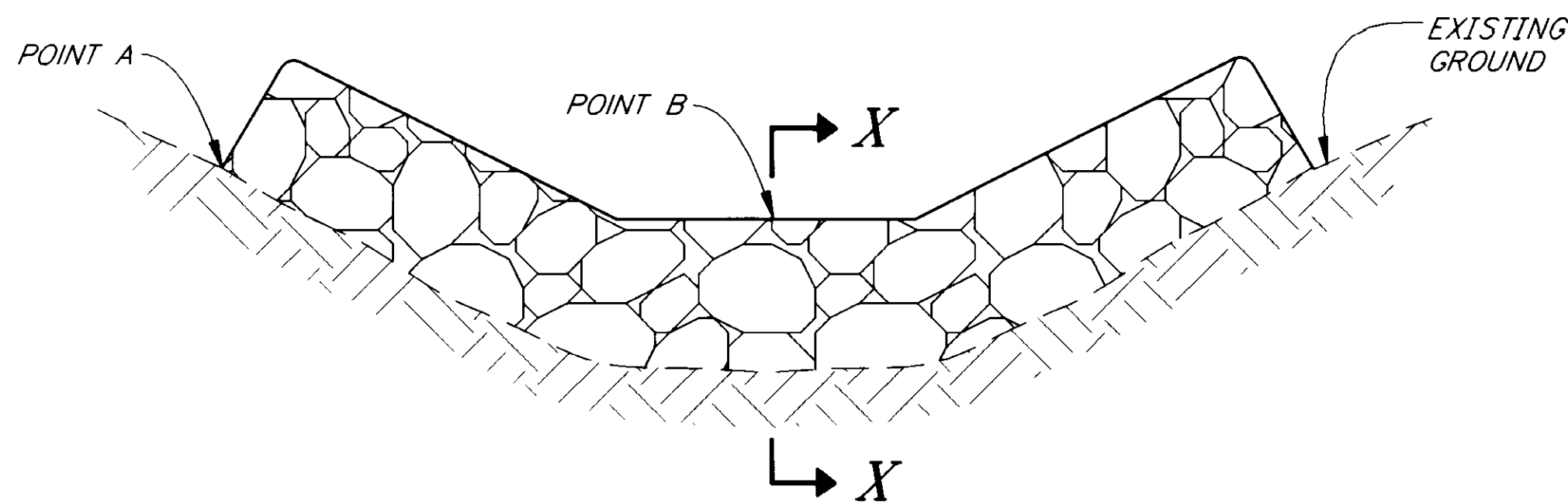
1. THE AREA TO BE CLEARED & GRUBBED UNDER THIS PROJECT IS APPROXIMATELY 0.1 HECTARE. WHILE THE AREA TO BE CLEARED IS APPROXIMATELY 0.4 HECTARES.
2. COPIES OF THE LATEST EDITION OF THE CONTRACTOR GUIDANCE FOR PREPARING AND EXECUTING STORM WATER POLLUTION PREVENTION PLANS CAN BE OBTAINED BY WRITING MR. JERRY MURPHY, AT THE DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES, 3132 CHANNEL DRIVE, JUNEAU, ALASKA 99801-7898; OR BY CALLING HIM AT (907) 465-2960. THERE IS A \$20.00 CHARGE FOR EACH COPY OF THE BOOKLET.
3. THE MEAN PRECIPITATION RATE IN THE SITKA AREA IS APPROXIMATELY 2500 mm PER YEAR AND INCLUDES ABOUT 1000 mm OF SNOW AT THE HIGHER ELEVATIONS.
4. INSTALLATION OF THE STORM DRAIN SYSTEM SHALL BE COMPLETED DURING WEATHER APPROVED BY THE ENGINEER, SO NO SEDIMENT REACHES THE SITKA NATIONAL HISTORICAL MONUMENT. ONCE INSTALLATION OF THE STORM DRAIN SYSTEM BEGINS, THE WORK SHALL BE CONTINUOUS ON A DAILY BASIS. EACH DAYS WORK SHALL TERMINATE AT A STRUCTURE UNLESS OTHERWISE APPROVED.
5. ALL WATER FROM DEWATERING ACTIVITIES SHALL BE PUMPED TO THE EXISTING STORM DRAIN SYSTEM LEFT OF "0" 0+320, AS SHOWN ON SHEET 4.

PERMANENT EROSION AND SEDIMENT CONTROL

1. PRIOR TO FINAL INSPECTION, SEEDED AREAS NOT SHOWING A UNIFORM VEGETATIVE COVER OF 70 PERCENT SHALL BE RESEDED, PER SECTION 618 OF THE SPECIAL PROVISIONS.

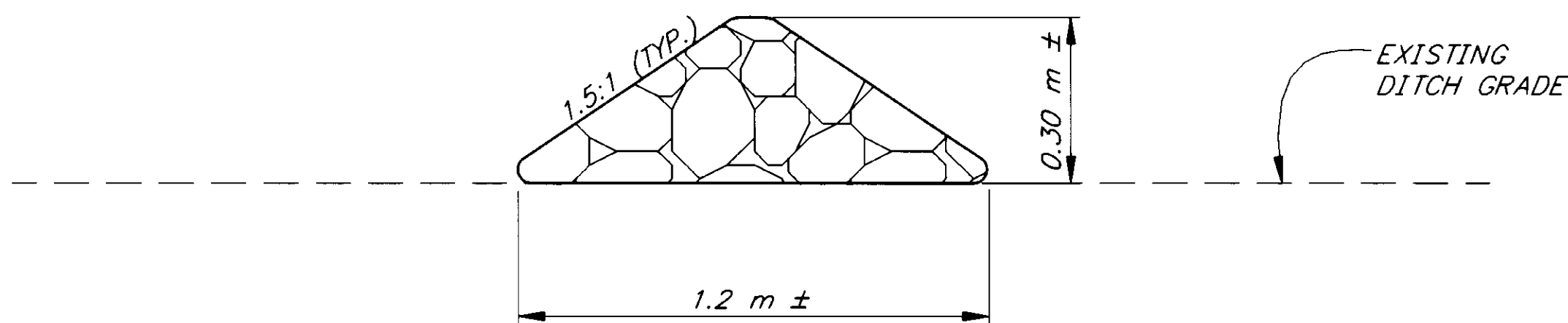


PLAN



NOTE: POINT A SHOULD BE 150 mm HIGHER THAN POINT B.

SECTION A-A



SECTION X-X

TEMPORARY ROCK CHECK DAM DETAILS

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: P: \JNU\71823\DR\ -DET4		
PLOT: P: \-LIB\ -PLOT\MPL0TF.PCP(200) OR MPL0TH.PCP(400)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

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

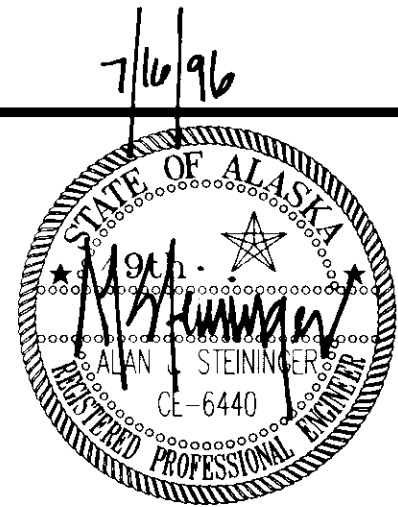
SITKA

SAWMILL CREEK ROAD
LEFT TURN LANE
PROJECT NO. HHE-0933(15) ~ 71823

ALASKA

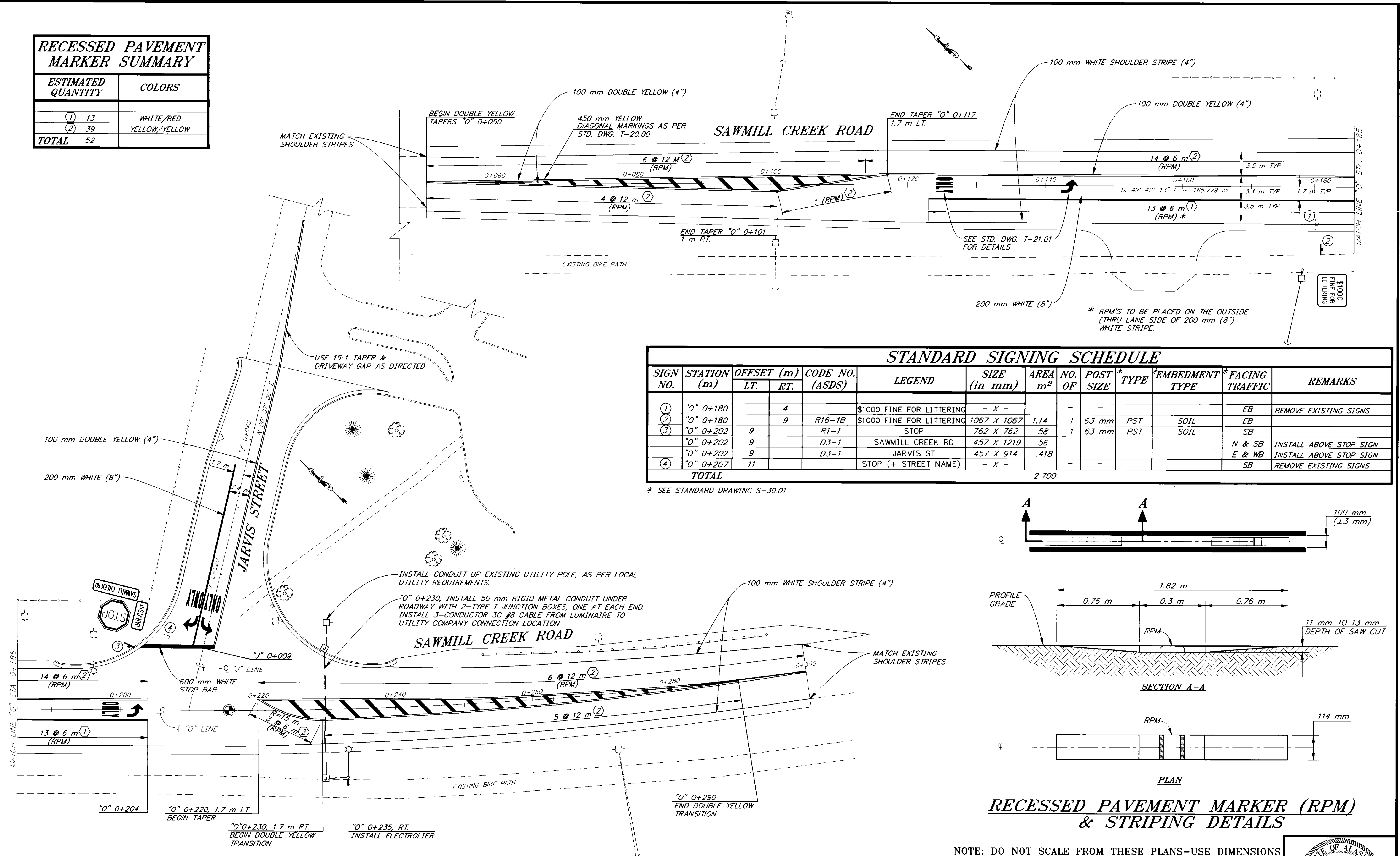
EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: E. CAVAGNARO	PROJECT NO. 71823
DRAWN BY: K. SNYDER	DATE: 1996
CHECKED BY: A. STEININGER	SHEET 11 OF 15



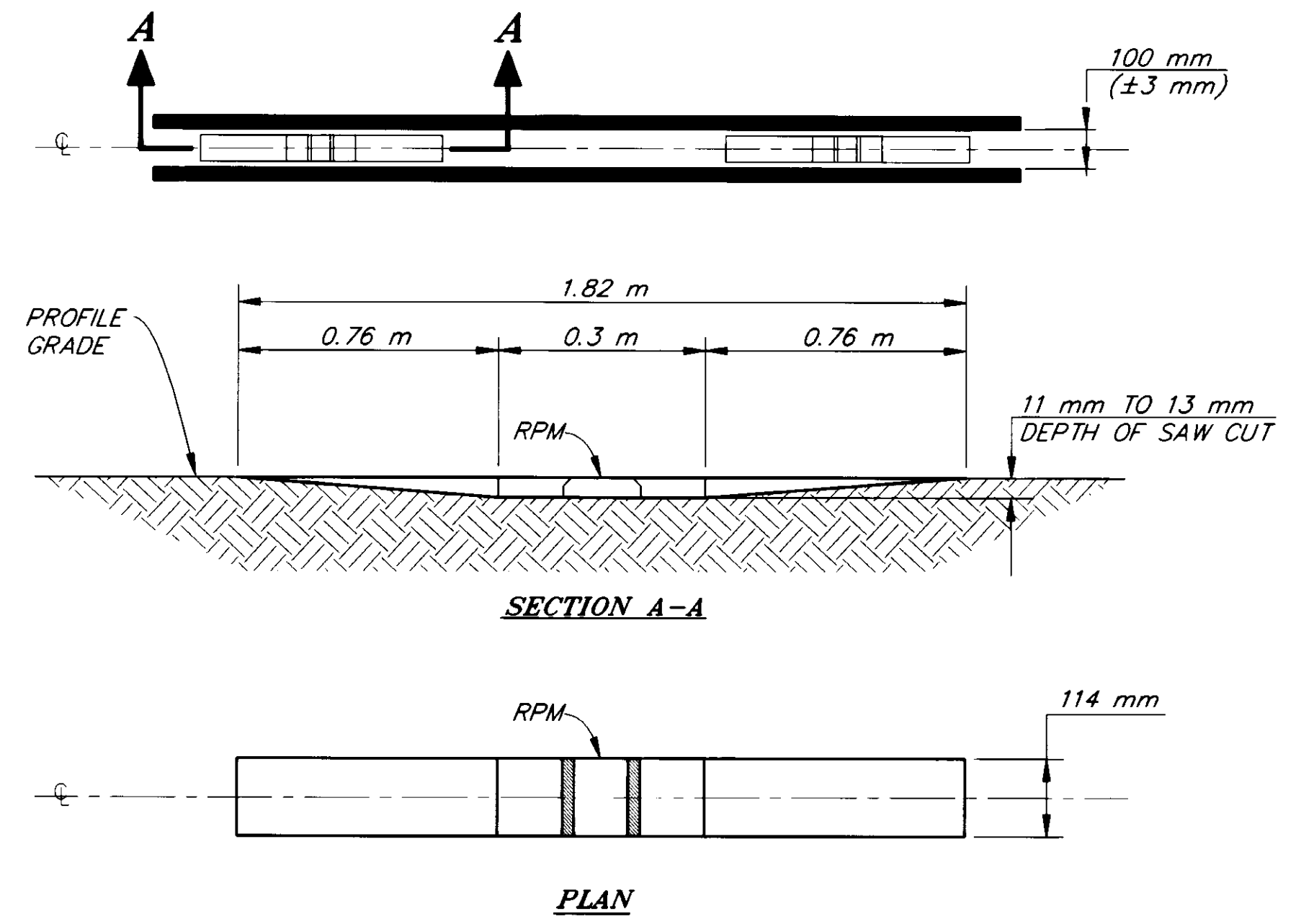
RECESSED PAVEMENT MARKER SUMMARY

ESTIMATED QUANTITY	COLORS
(1) 13	WHITE/RED
(2) 39	YELLOW/YELLOW
TOTAL 52	



STANDARD SIGNING SCHEDULE												
SIGN NO.	STATION (m)	OFFSET (m)	CODE NO. (ASDS)	LEGEND	SIZE (in mm)	AREA m ²	NO. OF	POST SIZE	*TYPE	*EMBEDMENT TYPE	*FACING TRAFFIC	REMARKS
(1)	"0" 0+180	4		\$1000 FINE FOR LITTERING	- X -		-	-			EB	REMOVE EXISTING SIGNS
(2)	"0" 0+180	9	R16-1B	\$1000 FINE FOR LITTERING	1067 X 1067	1.14	1	63 mm	PST	SOIL	EB	
(3)	"0" 0+202	9	R1-1	STOP	762 X 762	.58	1	63 mm	PST	SOIL	SB	
	"0" 0+202	9	D3-1	SAWMILL CREEK RD	457 X 1219	.56					N & SB	INSTALL ABOVE STOP SIGN
	"0" 0+202	9	D3-1	JARVIS ST	457 X 914	.418					E & WB	INSTALL ABOVE STOP SIGN
(4)	"0" 0+207	11		STOP (+ STREET NAME)	- X -		-	-			SB	REMOVE EXISTING SIGNS
TOTAL						2.700						

* SEE STANDARD DRAWING S-30.01



RECESSED PAVEMENT MARKER (RPM) & STRIPING DETAILS

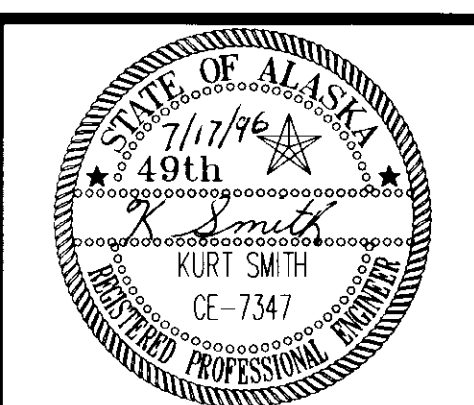
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

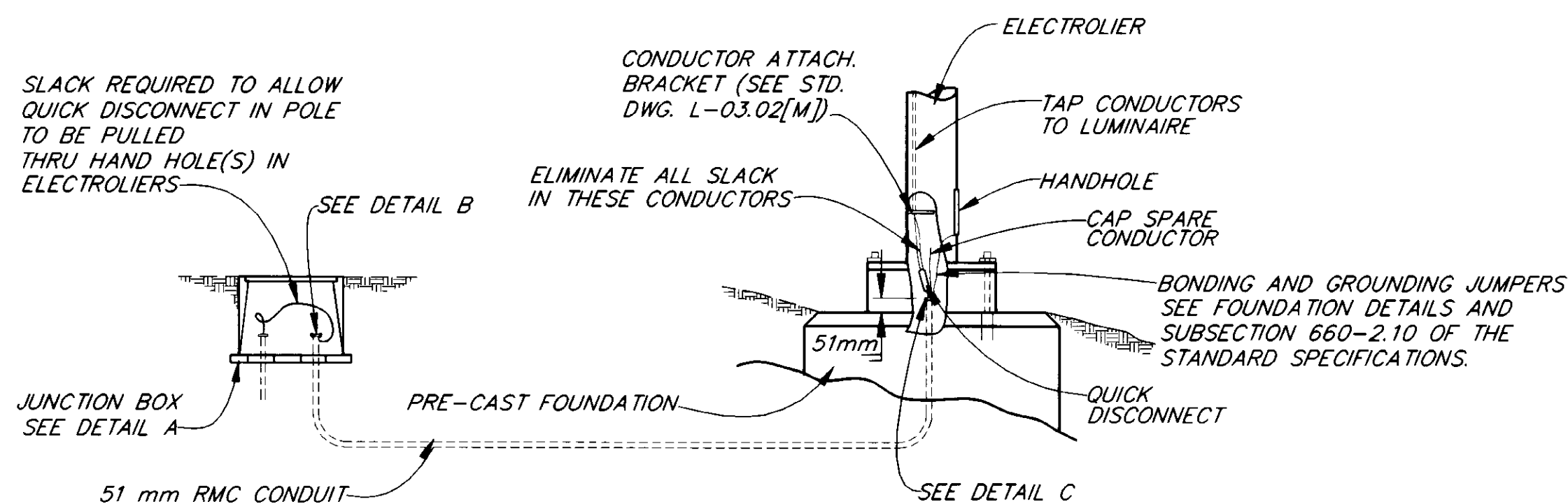
PATH:	P:\SIT\71823\DR\STRIP1
PLOT:	P:\-LIB\ -PLOT\MPL0TF.PCP(250) OR MPL0TH.PCP(500)
BY:	DATE:
DESCRIPTION OF CHANGE:	

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

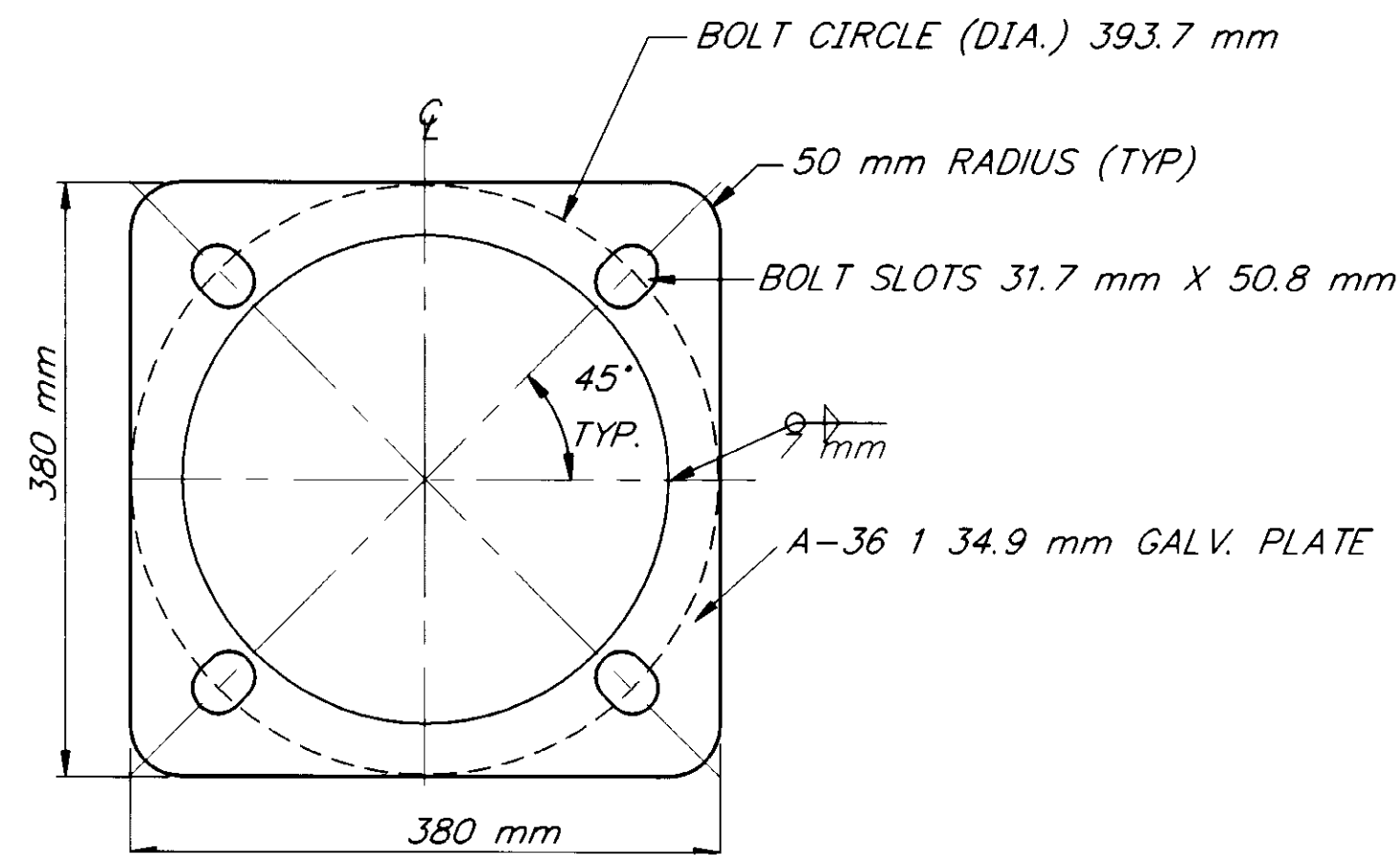
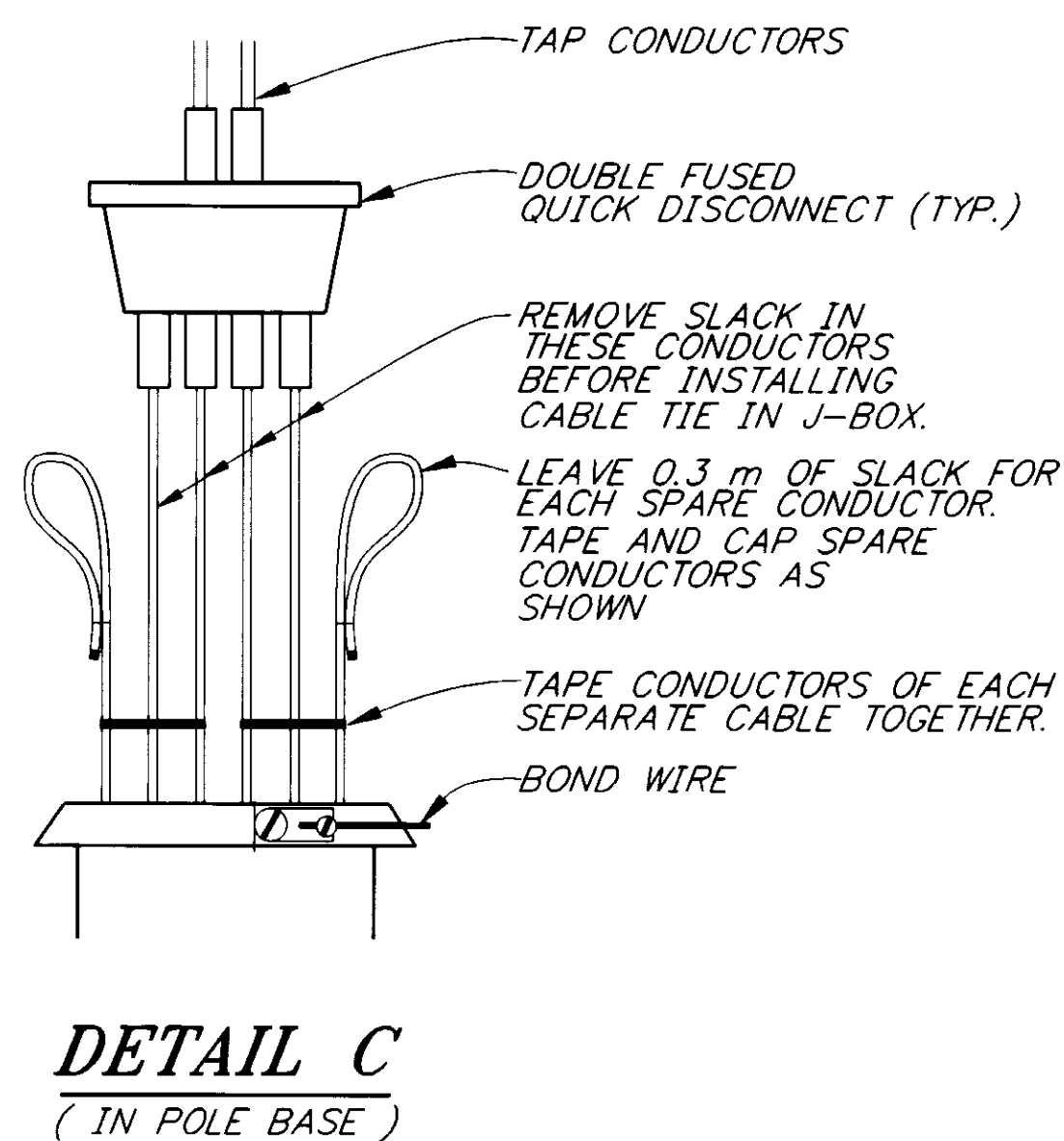
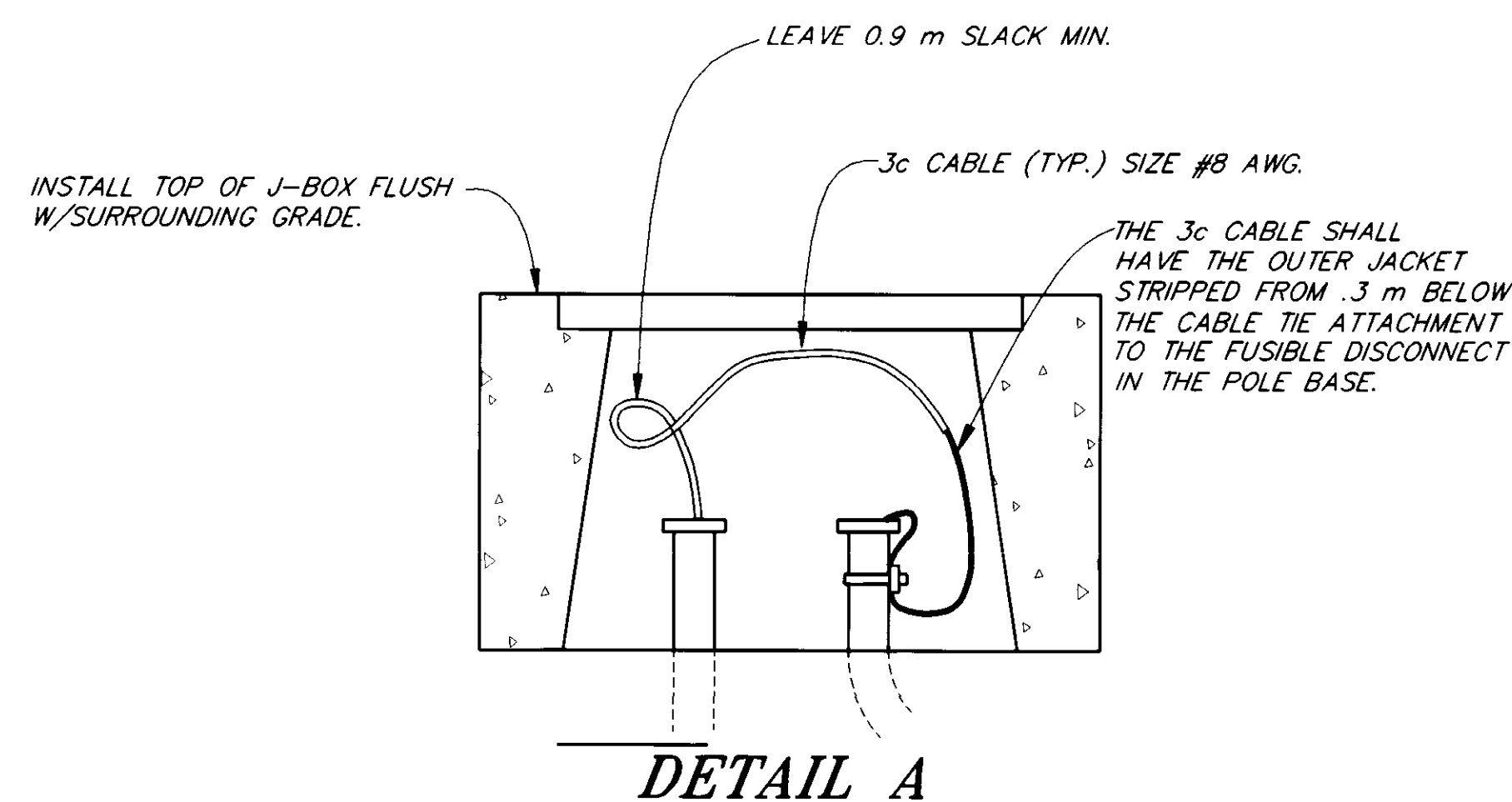
SITKA
SAWMILL CREEK ROAD
LEFT TURN LANE
PROJECT NO. HHE-0933(15) - 71823
SIGNING, STRIPING AND ILLUMINATION

DESIGNED BY:	PROJECT NO.
J. AHLGREN	71823
DRAWN BY:	DATE:
K. SNYDER	1996
CHECKED BY:	SHEET 12 OF 15
K. SMITH	

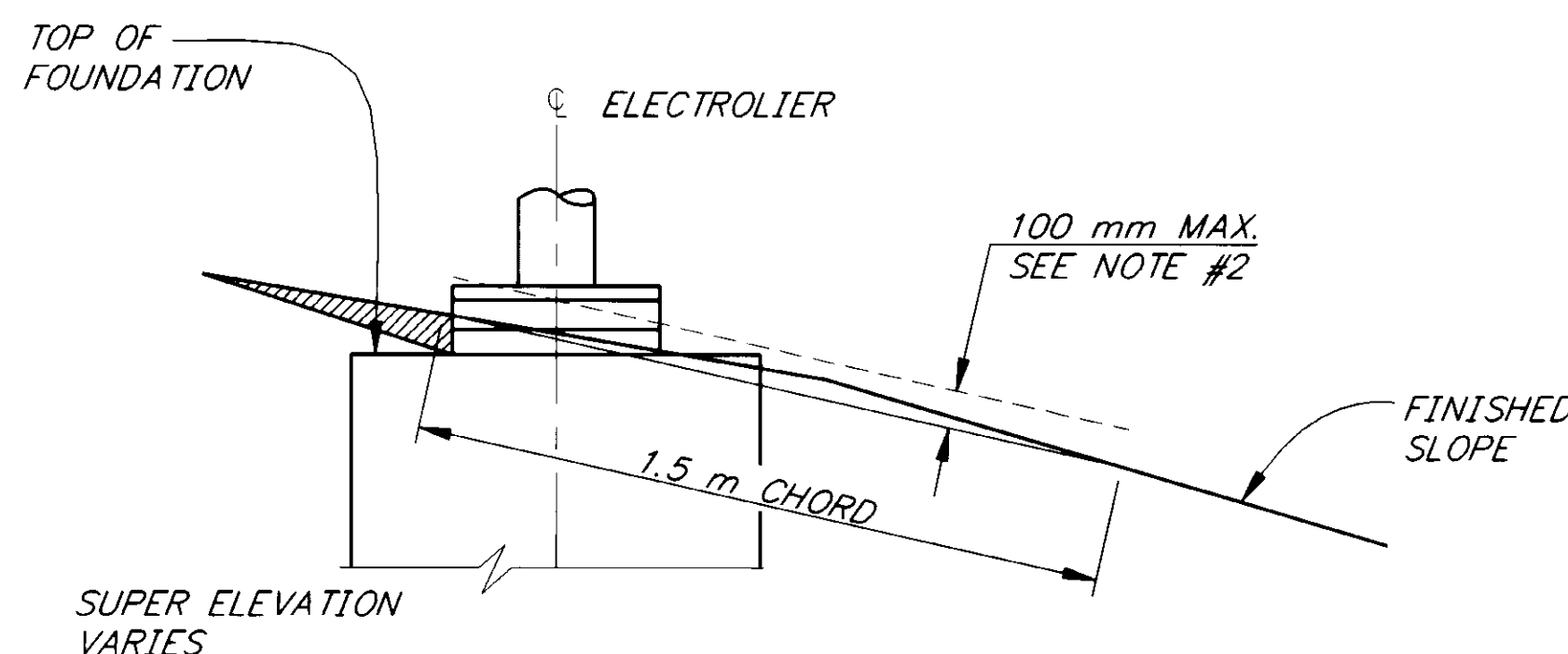
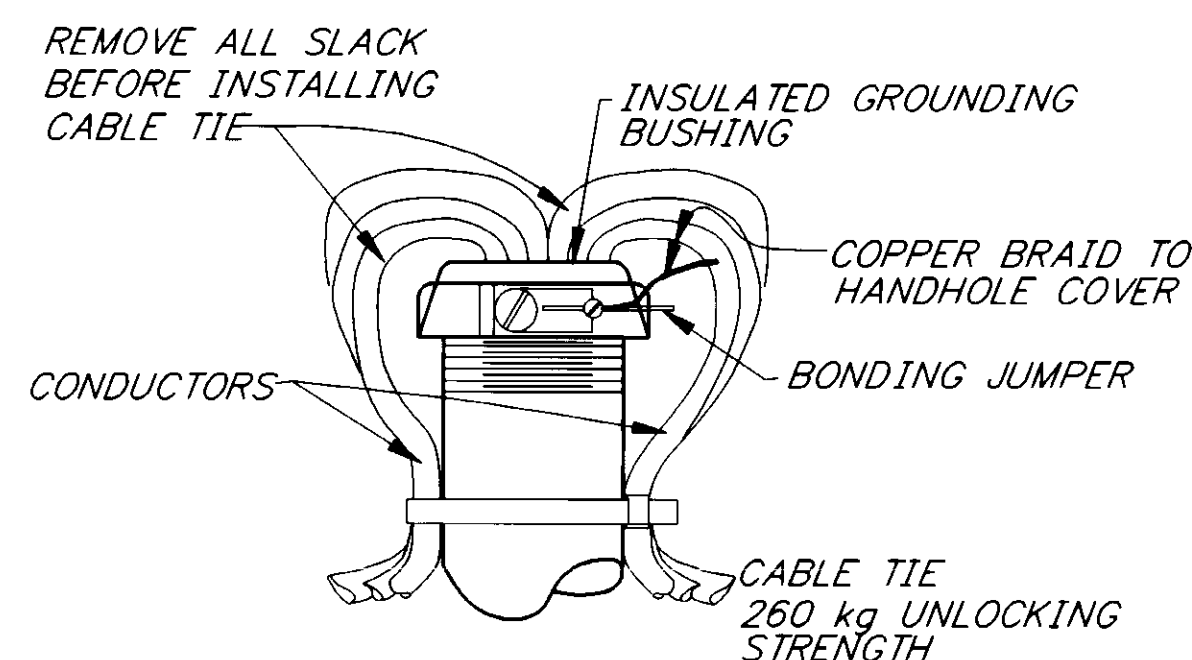




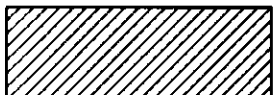
TYPICAL LIGHTING SYSTEM POLE AND J-BOX WIRING DETAILS



ANCHOR BASE DETAIL



NOTES:

- NON BREAKAWAY PORTIONS OF NEW FOUNDATIONS SHALL NOT PROTRUDE MORE THAN 100 mm ABOVE ANY 1.5 m CHORD STARTING AND ENDING ON FINISHED GRADE.
-  INDICATES EMBANKMENT MATERIAL TO BE REMOVED AROUND BREAKAWAY SKIRTS.

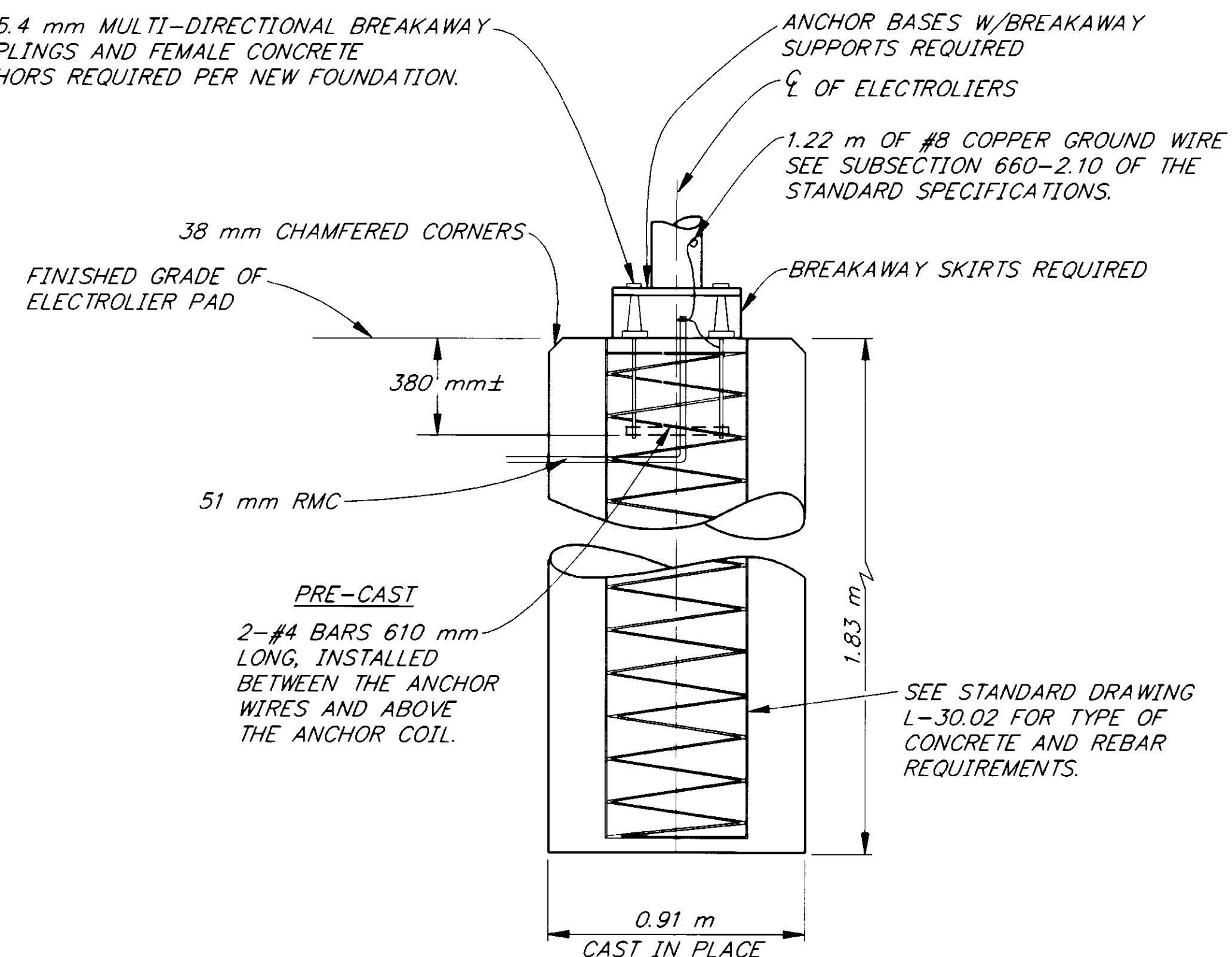
FOUNDATION INSTALLATION DETAIL

NO SCALE

LIGHTING NOTES

- LUMINAIRE SHALL BE 240 VOLT, 250 WATT, HIGH PRESSURE SODIUM, MEDIUM DISTRIBUTION, CUTOFF, TYPE 3, MOUNTED AT 10.6 m.
- INSTALL CONDUIT AND ELECTRICAL CABLE UP EXISTING POLE AS PER LOCAL UTILITY REQUIREMENTS.
- CABLE SHALL BE #8 AWG. USE 3 CONDUCTOR CABLE.
- INSTALL A BARE GROUND WIRE IN ALL CONDUIT. CONNECT TO A BUSHING AT EACH CONDUIT TO PROVIDE A CONTINUOUS CIRCUIT FROM THE ELECTROLIER TO THE ELECTRICAL UTILITY CONNECTION.
- LOCATE EXISTING UNDERGROUND UTILITIES BEFORE EXCAVATING FOR FOUNDATION.
- CONDUIT UNDER THE ROADWAY SHALL BE JACKED OR AUGERED.
- ALL CONDUIT SHALL BE 50 mm RIGID METAL.
- JUNCTION BOXES SHALL BE TYPE I.
- INSTALL ONE WHITE FLEXIBLE DELINEATOR POST AT EACH OF THE TWO JUNCTION BOXES TO MARK THE JUNCTION BOX LOCATION. DELINEATOR POSTS SHALL BE WHITE, COMPOSITE, 95 mm WIDE AND TO BE INSTALLED 1.2 m HIGH. (CARSONITE ROADMARKER OR EQUAL)
- POLE SHALL BE STEEL AS PER STANDARD DRAWING L-03.02 AND SHALL HAVE MULTI-DIRECTIONAL BREAKAWAY BASE AS PER ANCHOR DETAIL, THIS SHEET.
- LOCAL UTILITY COMPANY WILL MAKE FINAL ELECTRICAL CONNECTION FOR ELECTRICAL SERVICE.

4-25.4 mm MULTI-DIRECTIONAL BREAKAWAY COUPLINGS AND FEMALE CONCRETE ANCHORS REQUIRED PER NEW FOUNDATION.



FOUNDATION WITH BREAKAWAY COUPLINGS

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH:	P:\SIT\71823\DR\STRIP2
PLOT:	MPLOT.PCP(1) OR MPLOT.PCP(2)
DATE:	
DESCRIPTION OF CHANGE:	
RECORD OF REVISIONS	

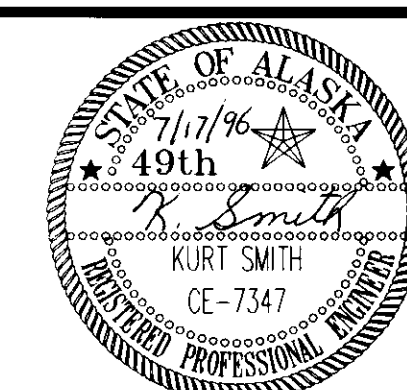
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SITKA

SAWMILL CREEK ROAD
LEFT TURN LANE
PROJECT NO. HHE-0933(15) - 71823
ILLUMINATION DETAILS

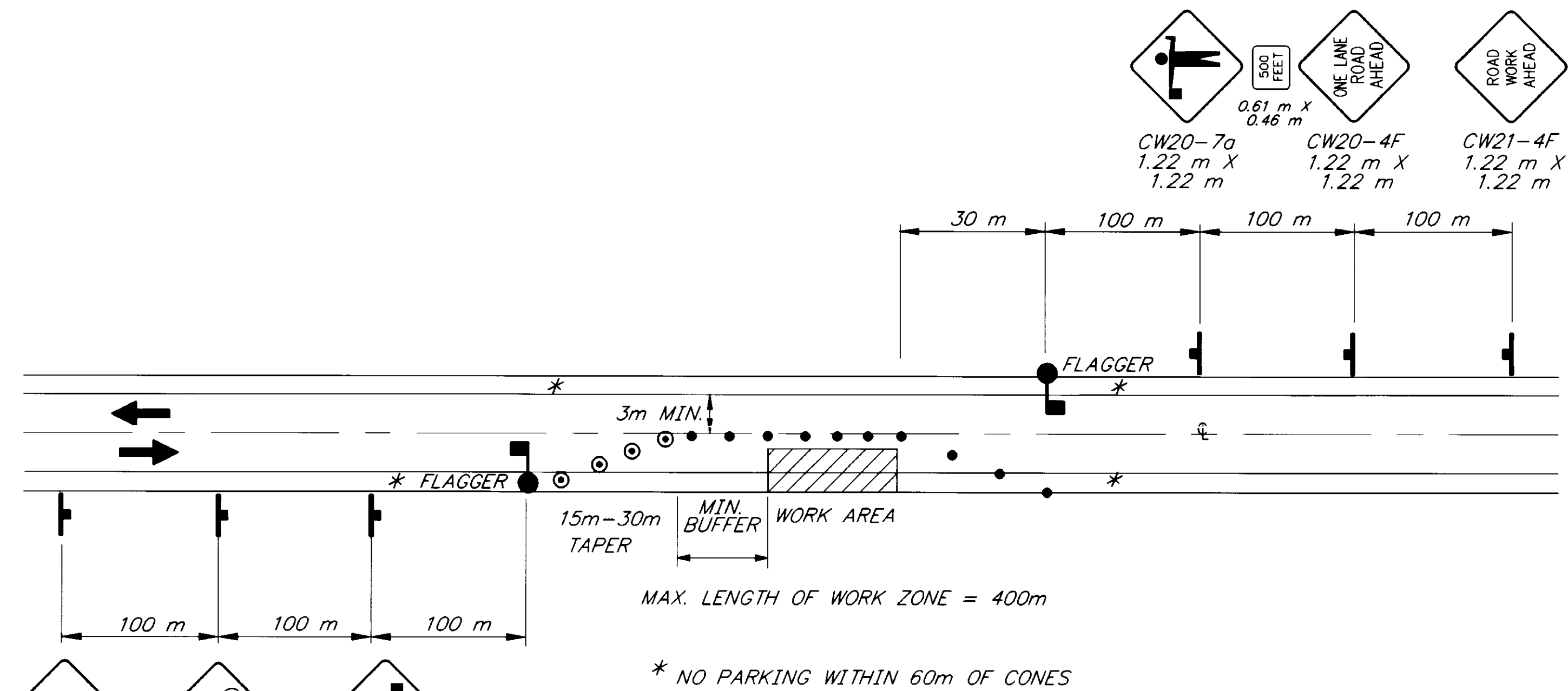
ALASKA

DESIGNED BY:	K. MATTSON	PROJECT NO.	71823
DRAWN BY:	CSA/KS	DATE:	1996
CHECKED BY:	K. SMITH	SHEET	13 OF 15



TRAFFIC CONTROL NOTES

1. A MINIMUM OF ONE LANE SHALL BE MAINTAINED AT ALL TIMES, THROUGH ALL WORK AREAS.
2. TWO LANES SHALL BE MAINTAINED AT ALL TIMES IN NON-WORK AREAS AND DURING NON-WORKING HOURS.
3. TEMPORARY DRIVING LANES SHALL HAVE A MINIMUM WIDTH OF 3 m.
4. NON PERMANENT CONSTRUCTION SIGNS SHALL BE REMOVED AS SOON AS THE CONDITIONS THEY WARN ABOUT ARE ELIMINATED.
5. FLOOD LIGHTS SHALL BE PROVIDED FOR FLAGGER STATIONS DURING NIGHT OPERATIONS.
6. CHANNELIZATION DEVICES IF USED AT NIGHT SHALL BE LIT IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL.
7. IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME, NOT ALL, OF THE TRAFFIC CONTROL SETUPS WHICH WILL BE REQUIRED ON THIS PROJECT. PLANS FOR CONFIGURATIONS NOT COVERED BY THE TCP SHALL BE CREATED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL. WHERE APPROPRIATE, THEY SHALL INCORPORATE APPLICABLE PORTIONS OF DETAILS ON THESE SHEETS.
8. ONE LANE TRAFFIC WITH APPROPRIATE SIGNING AND FLAGGING MAY BE USED PROVIDED THAT VEHICLE DELAY IS KEPT TO A MINIMUM. IF VEHICLE STOP TIME EXCEEDS 3 MINUTES, THE CONTRACTOR SHALL EITHER REDUCE THE LENGTH OF THE EITHER REDUCE THE LENGTH OF THE WORK ZONE TO BRING STOP TIME INTO COMPLIANCE OR REVERT TO TWO LANE OPERATION.
9. ADDITIONAL FLAGGER MAY BE REQUIRED WHEN WORKING AT AN INTERSECTION AS REQUIRED BY THE ENGINEER.



SINGLE LANE CLOSURE
TWO LANE ROAD

LEGEND

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

FORMULAS FOR L (TAPER LENGTH)

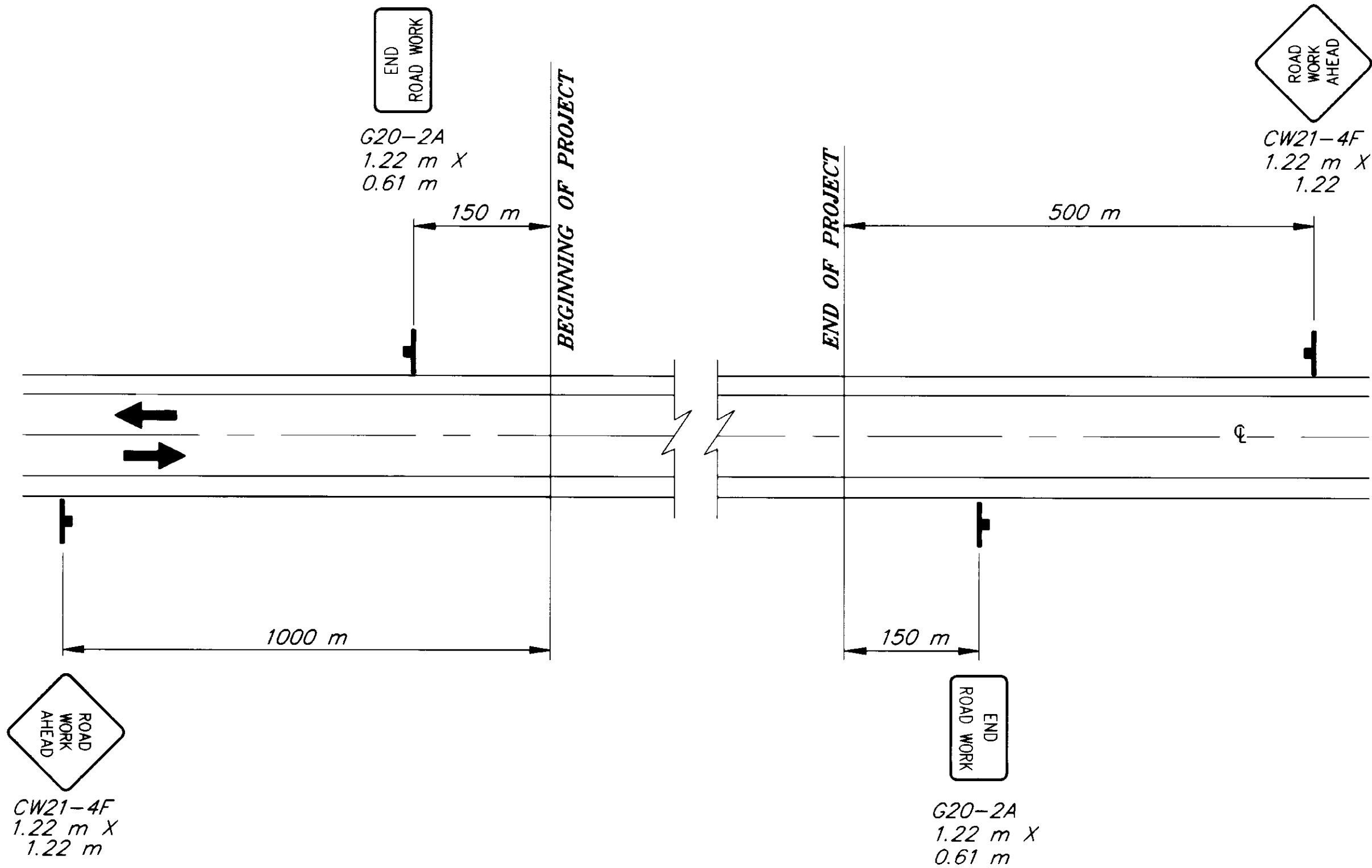
60 K OR LESS $L = \frac{W \times S^2}{155}$

70 K OR GREATER $L = \frac{W \times S}{1.61}$

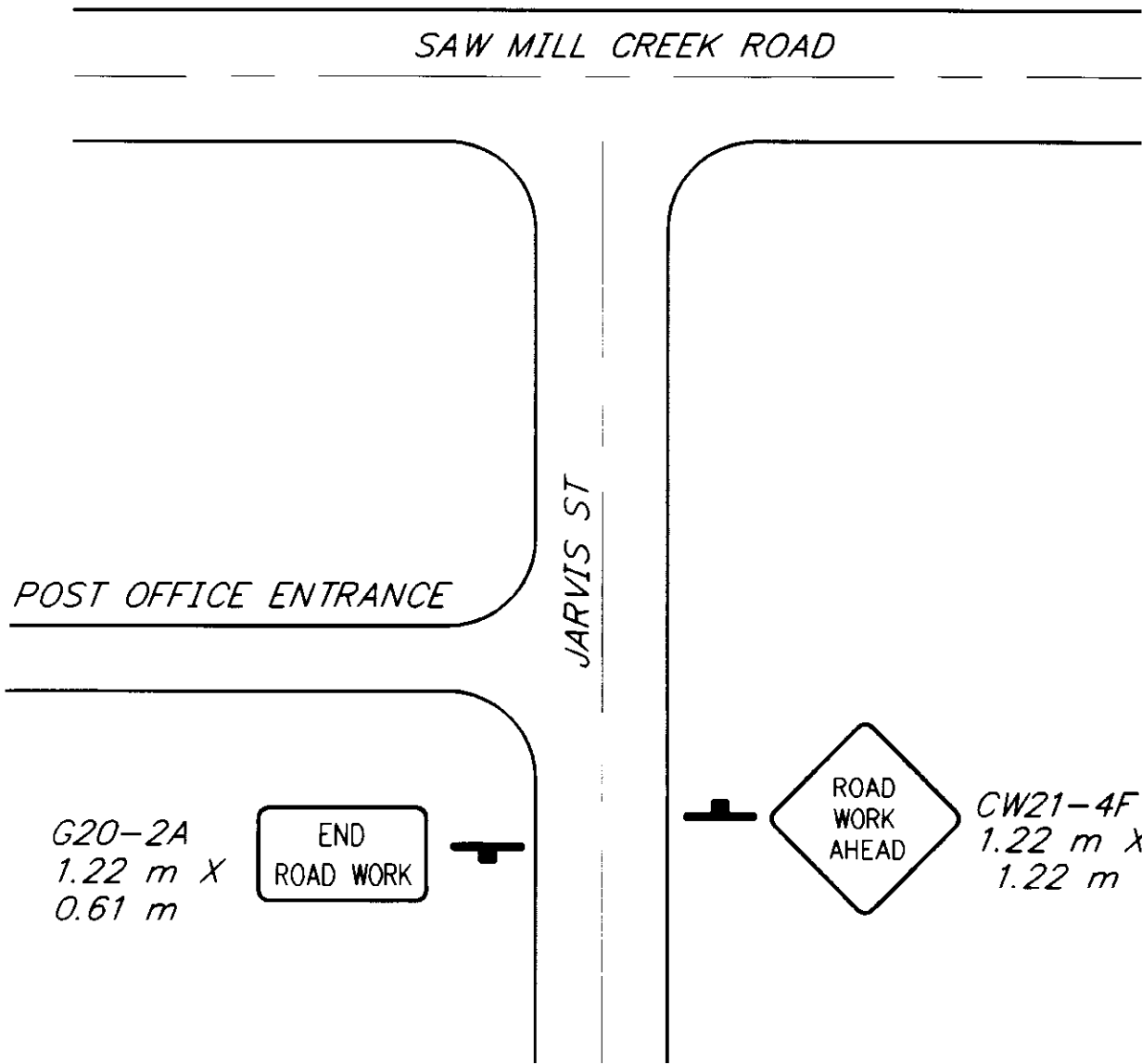
WHERE W= WIDTH OF OFFSET
S= POSTED SPEED LIMIT
OR ANTICIPATED
OPERATING SPEED
(IN K/HR)

DRUM OR CONE SPACING = $\frac{S}{5}$ (IN METERS)

MIN. BUFFER	
S	LENGTH
30	10
40	15
50	25
55	35
60	50
70	65
80	85
90	100
100	125
105	150



PERMANENT CONSTRUCTION SIGNING



PERMANENT CONSTRUCTION SIGNING

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: P: \SIT\71823\DR\ -TCP1		
PLOT: P: \-LIB\ -PLOT\MPL0TF.PCP(1) OR MPL0TH.PCP(2)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

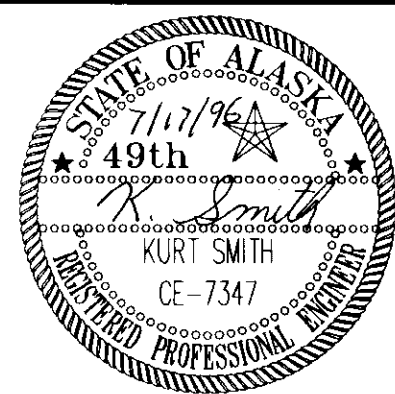
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

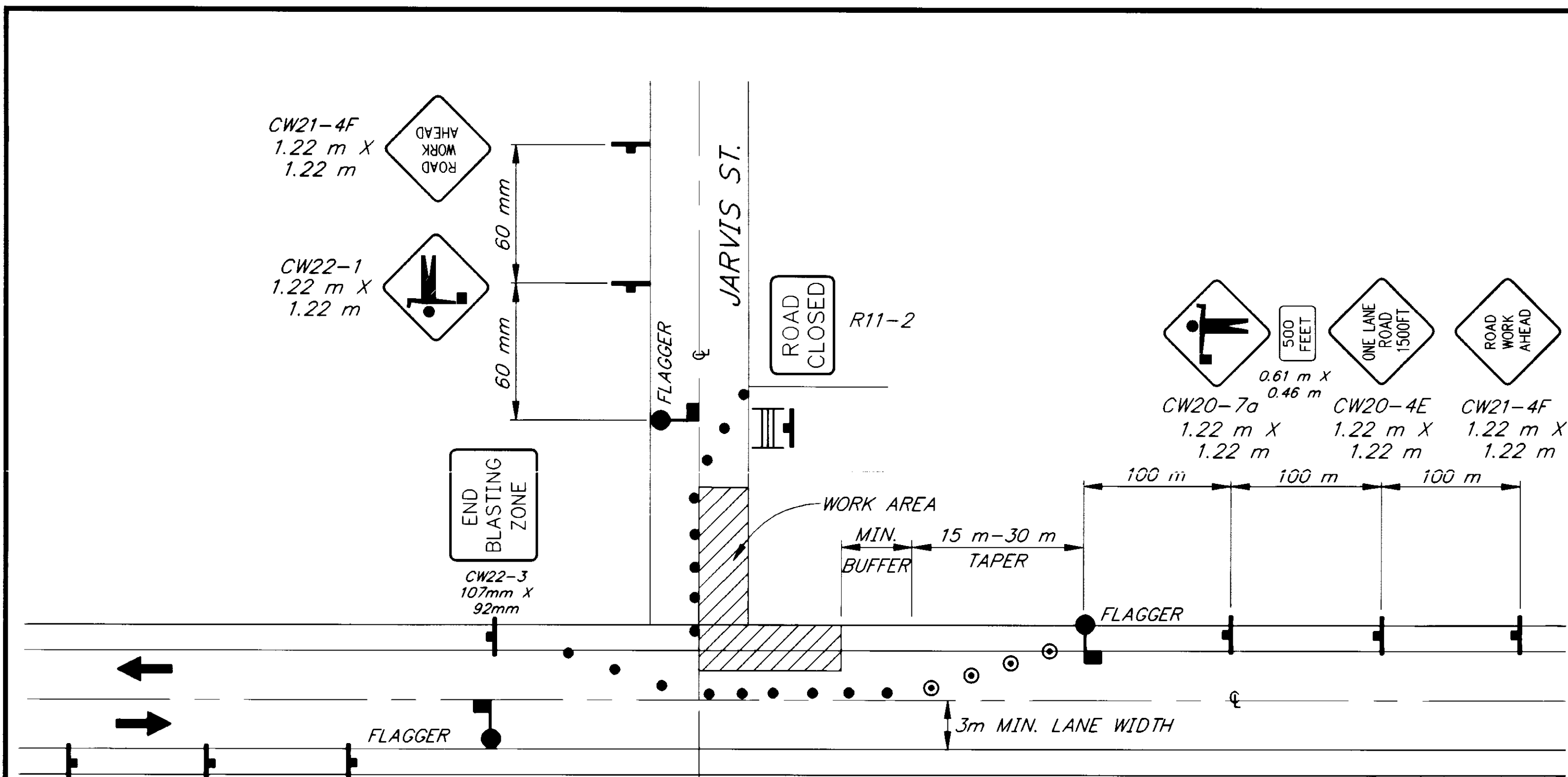
SITKA

SAWMILL CREEK ROAD
LEFT TURN LANE
PROJECT NO. HHE-0933(15) - 71823
TRAFFIC CONTROL PLAN

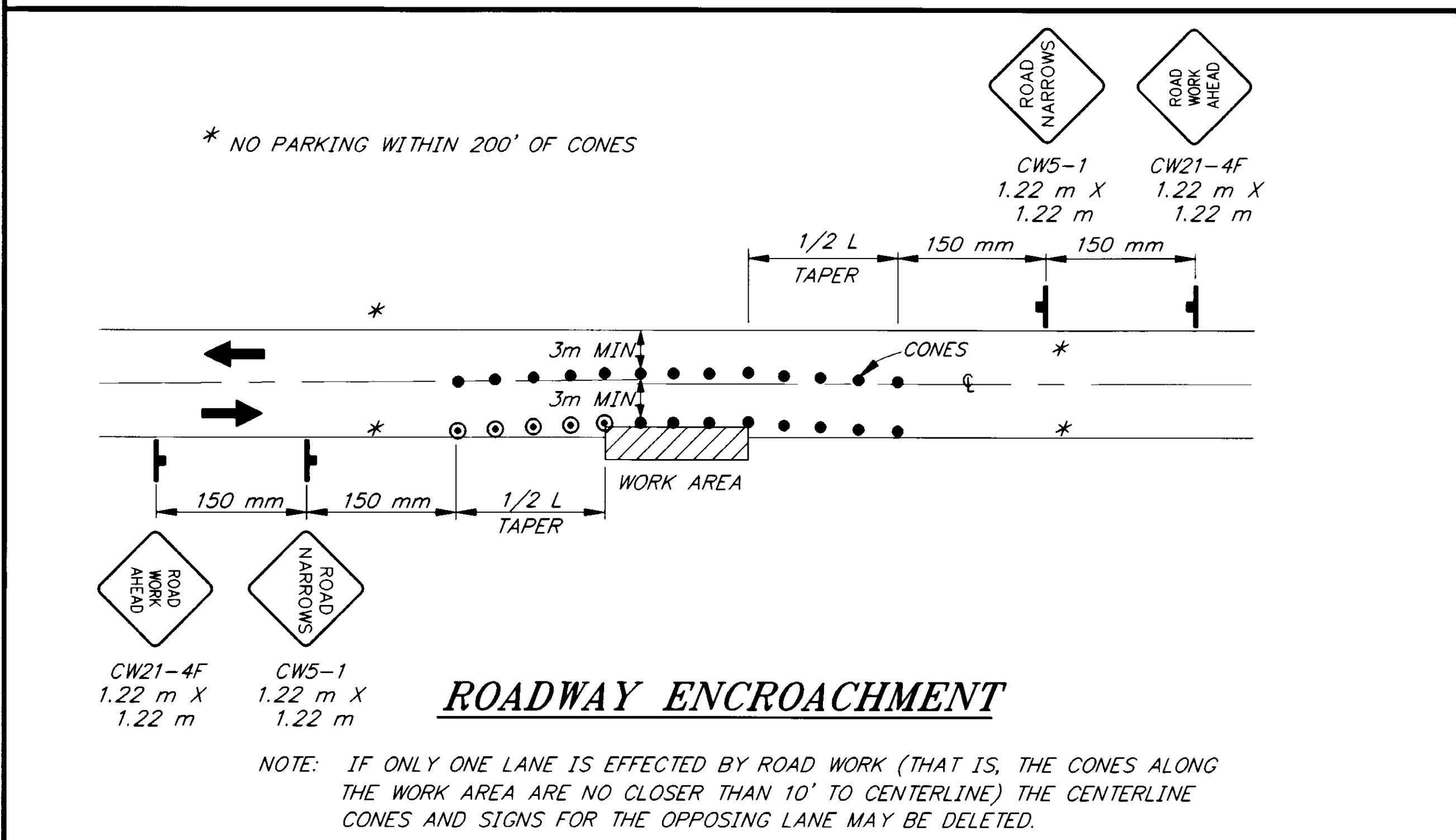
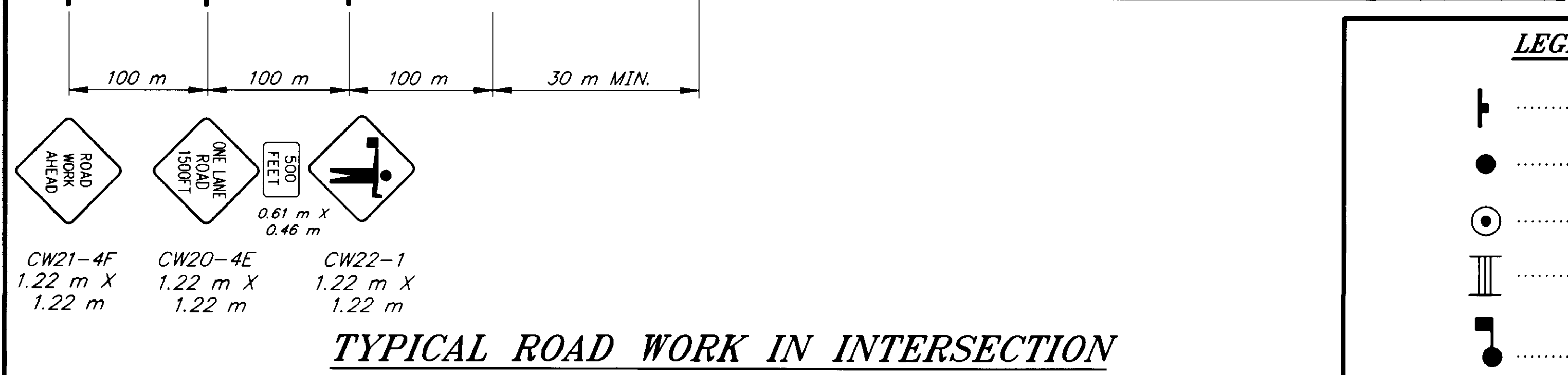
ALASKA

DESIGNED BY:	PROJECT NO.
K. MATTSON	71823
DRAWN BY:	DATE:
K. SNYDER	1996
CHECKED BY:	SHEET 14 OF 15
K. SMITH	





TYPICAL ROAD WORK IN INTERSECTION



ROADWAY ENCROACHMENT

LEGEND

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

FORMULAS FOR L (TAPER LENGTH)

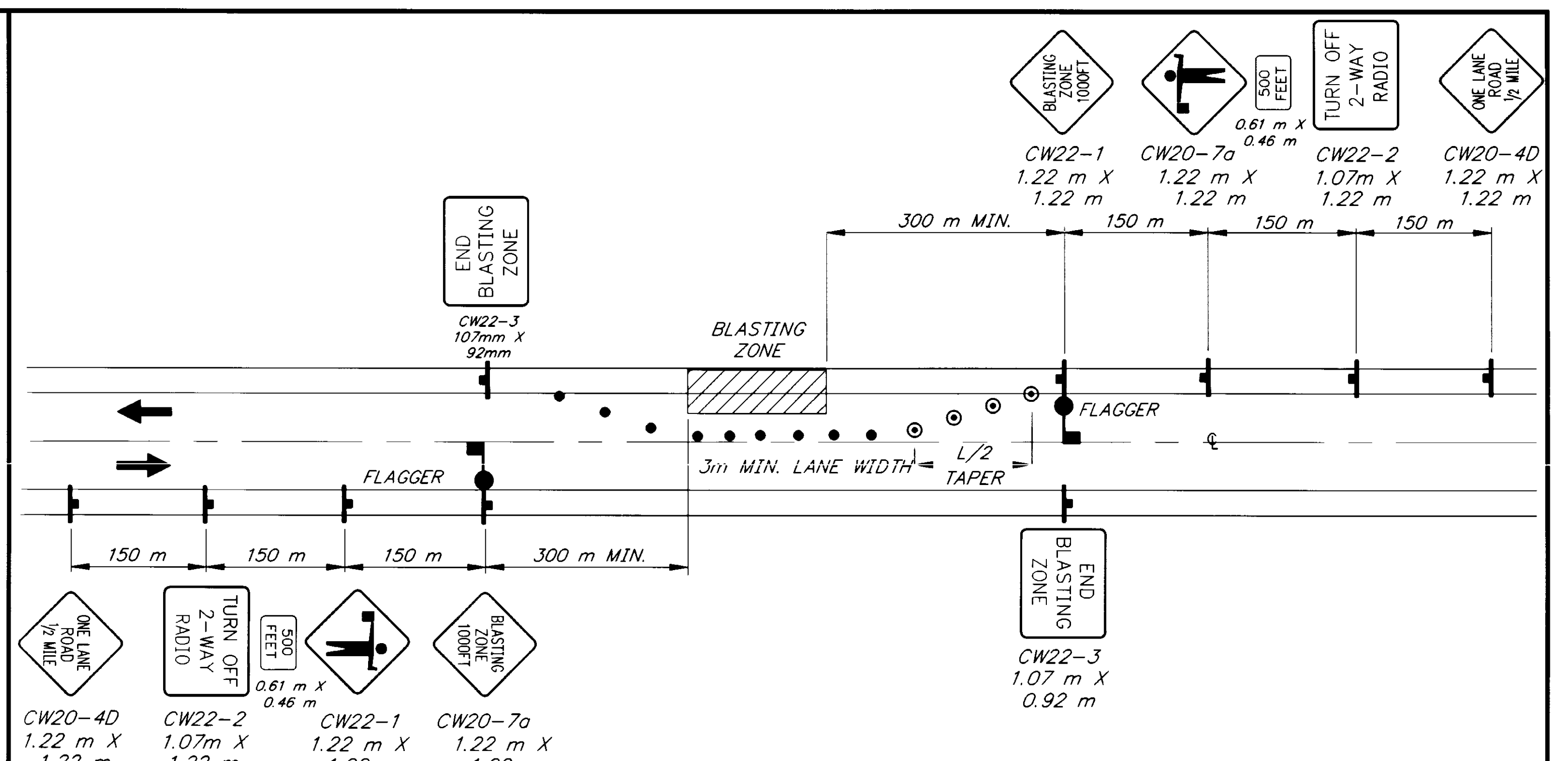
60 K OR LESS $L = \frac{W \times S^2}{155}$

70 K OR GREATER $L = \frac{W \times S}{1.61}$

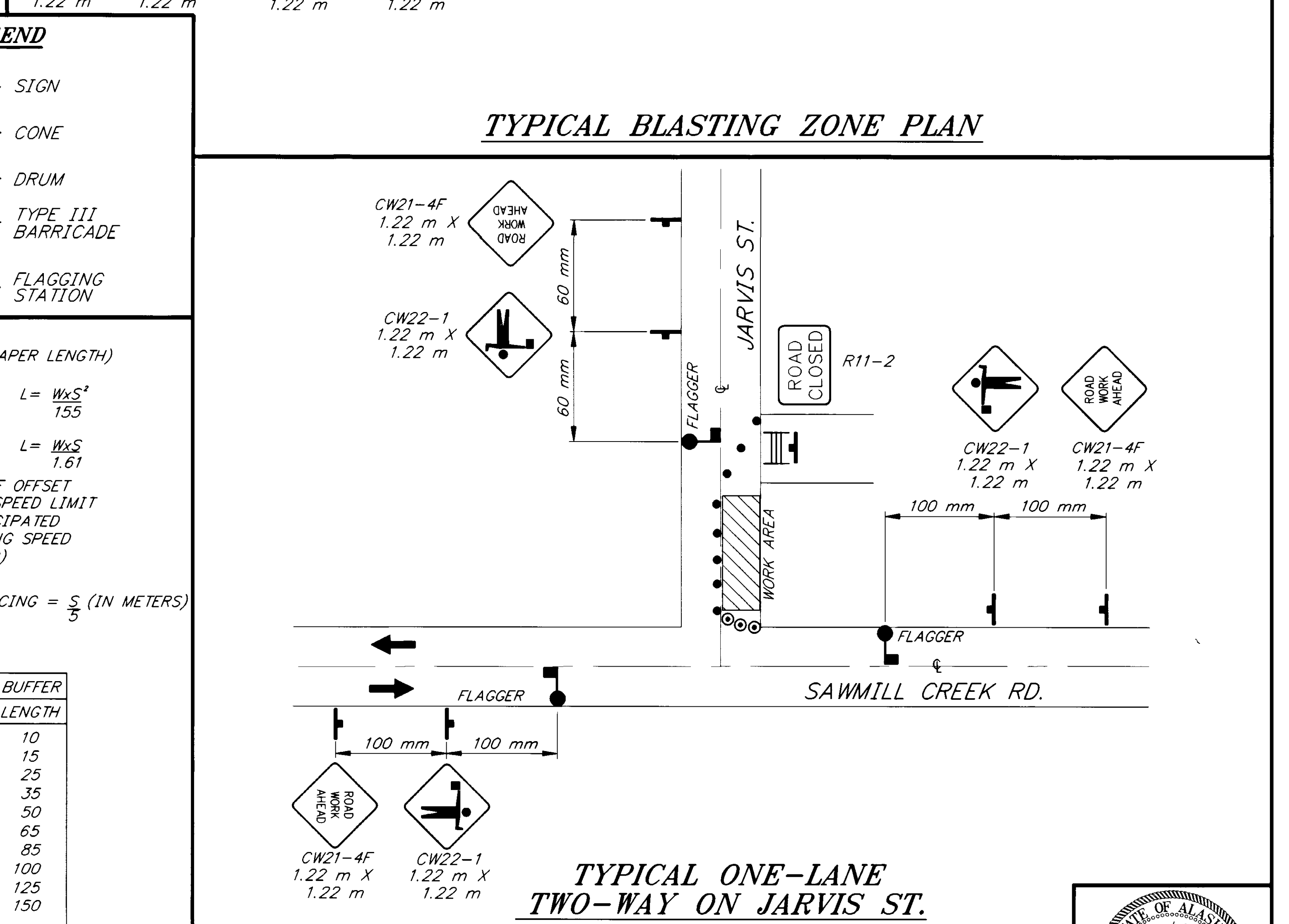
WHERE W= WIDTH OF OFFSET
S= POSTED SPEED LIMIT OR ANTICIPATED OPERATING SPEED (IN K/HR)

DRUM OR CONE SPACING = $\frac{S}{5}$ (IN METERS)

S	LENGTH
30	10
40	15
50	25
55	35
60	50
70	65
80	85
90	100
100	125
105	150



TYPICAL BLASTING ZONE PLAN



TYPICAL ONE-LANE TWO-WAY ON JARVIS ST.

PATH: P: \SIT\71823\DR\TCP2		
PLOT: P: \LIB\ -PLOT\MPLOTF.PCP(1) OR MPLOTH.PCP(2)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

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

JUNEAU
SAWMILL CREEK ROAD
LEFT TURN LANE
PROJECT NO. HHE-0933(15) - 71823
TRAFFIC CONTROL PLAN

DESIGNED BY:	K. MATTSON	PROJECT NO.	71823
DRAWN BY:	K. SNYDER	DATE:	1996
CHECKED BY:	K. SMITH	SHEET	15 OF 15

