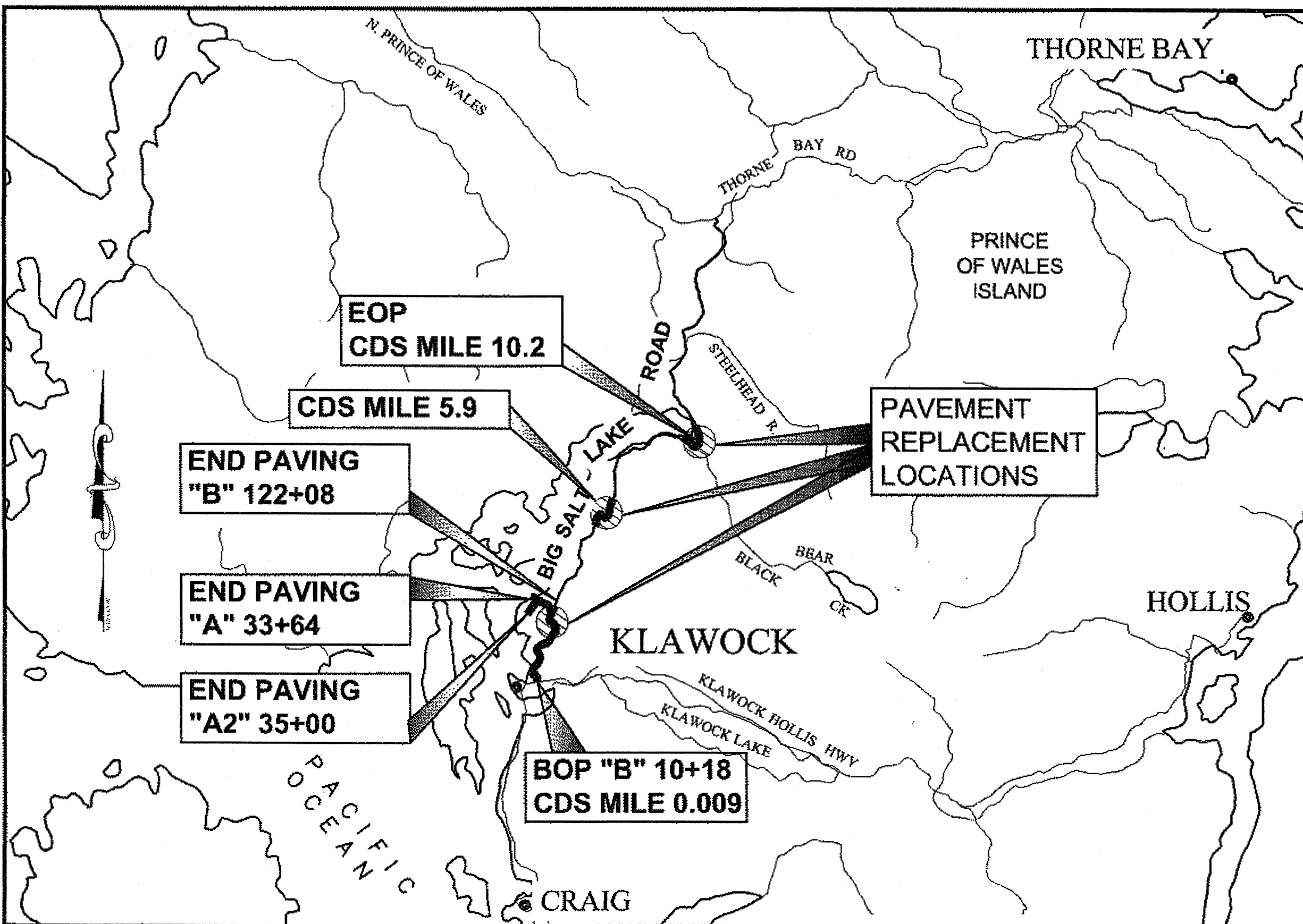


State of Alaska

Department of Transportation and Public Facilities Southeast Region

PRINCE OF WALES, ALASKA BIG SALT LAKE ROAD

PAVEMENT REHABILITATION STP-0003(163)~67439

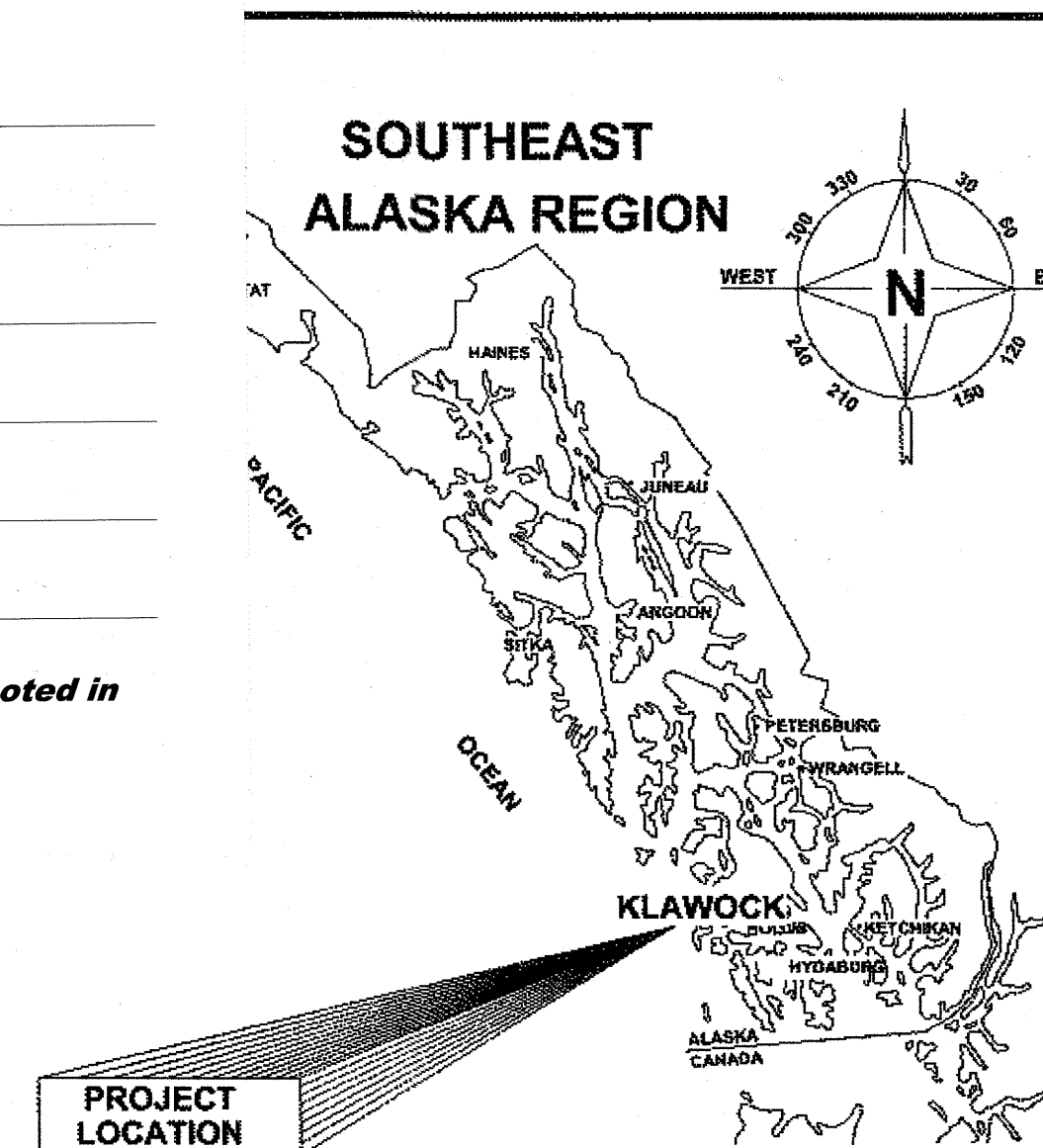


VICINITY MAP

AS-BUILT PLANS

Initials: DW Date: 11/20/13
Contractor: SOUTHEAST ROAD BUILDERS, INC.
Date Started: JULY 8, 2013
Date Completed: OCTOBER 18, 2013
Project Engineer* (printed): DAVE WOOD, PE
Project Engineer* (signature): Dave Wood

*I certify that revisions to these plans made during construction are noted in RED and therefore the plans are an accurate record of construction.



DESIGN DESIGNATION ROUTE 292025 (BIG SALT LAKE ROAD)

A.D.T. 2024	=	1,130
A.D.T. 2034	=	1,180
D.H.V. 2024	=	130
D.H.V. 2034	=	137
% T	=	9.5%
V	=	40 MPH
E.A.L.	=	200,000

DESIGN DESIGNATION ROUTE 292026 (KLAWOCK AIRPORT ROAD)

A.D.T. 2024	=	70
A.D.T. 2034	=	80
D.H.V. 2024	=	8
D.H.V. 2034	=	9
% T	=	9.5%
V	=	20 MPH
E.A.L.	=	50,000

COMBINED PROJECT SUMMARY

CDS MILEPOINT	=	0.0 - 10.20
LENGTH OF PROJECT	=	15,536 FT
LENGTH OF TEMPORARY CONNECTIONS	=	NONE
LENGTH OF PAVING	=	15,536 FT
WIDTH OF PAVING	=	28-36 FT

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-1	E-00.00	G-30.00	S-05.01	T-06.00
C-03.10	G-00.02	G-31.00	S-20.10	T-20.03
C-04.12	G-04.06S	M-13.01	S-23.00	T-21.03
C-05.20	G-04.07W	S-00.11	S-30.03	T-22.03
D-01.02	G-10.01			
D-04.21	G-20.11			

INDEX

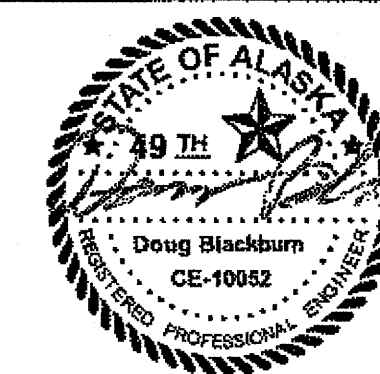
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
B1	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1	PAVEMENT SUMMARIES
D2	MISCELLANEOUS SUMMARIES
D3	SIGN SUMMARY
D4	CULVERT & DRIVEWAY SUMMARIES
F1-F4	PLAN & PROFILE
H1-H4	SIGNING & STRIPING PLANS
J1	GUARDRAIL & MISCELLANEOUS DETAILS
J2	PAVEMENT DETAILS
J3	EROSION & SEDIMENT CONTROL DETAILS
J4	STORM PIPE DETAILS
P1-P4	EROSION & SEDIMENT CONTROL PLANS
Q1-Q3	CROSS PIPE PLAN & PROFILE
S1	TRAFFIC CONTROL PLAN
S2	PERMANENT CONSTRUCTION SIGNING FOR BOUNDARY RD & CRAIG-KLAWOCK-HOLLIS HIGHWAY

CDS ROUTE & MILEPOINT
292025: 0-2.6, 5.8-6.0, 9.9-10.2
292026: 0-0.7

PATH: Q:\POW\67439\PLANSET\67439_A1.TSHT.DWG TAB:A1

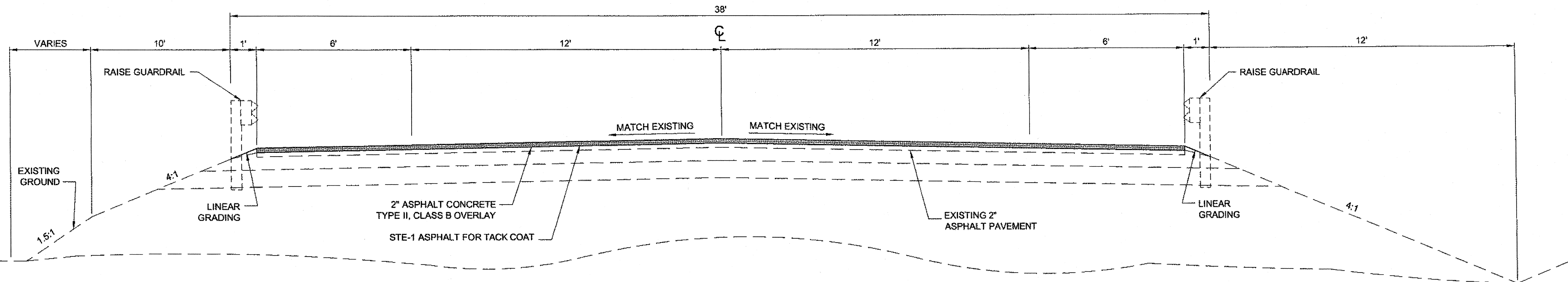
Tuesday, June 12, 2012 11:20:25 AM
PLOT: PSPACE OR MSPACE: 1=1(F)

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION



APPROVED: Chuck Correa 12/26/12
REGIONAL PRE-CONSTRUCTION ENGINEER
CHUCK CORREA, P.E. DATE
APPROVED: Albert H. Clough 12-26-2012
DIRECTOR, SOUTHEAST REGION
ALBERT H. CLOUGH, CPG DATE
CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD
CONDITION: [Signature] 3-19-14
CONSTRUCTION PROJECT MANAGER DATE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-0003(163)~67439	2012	A1	28

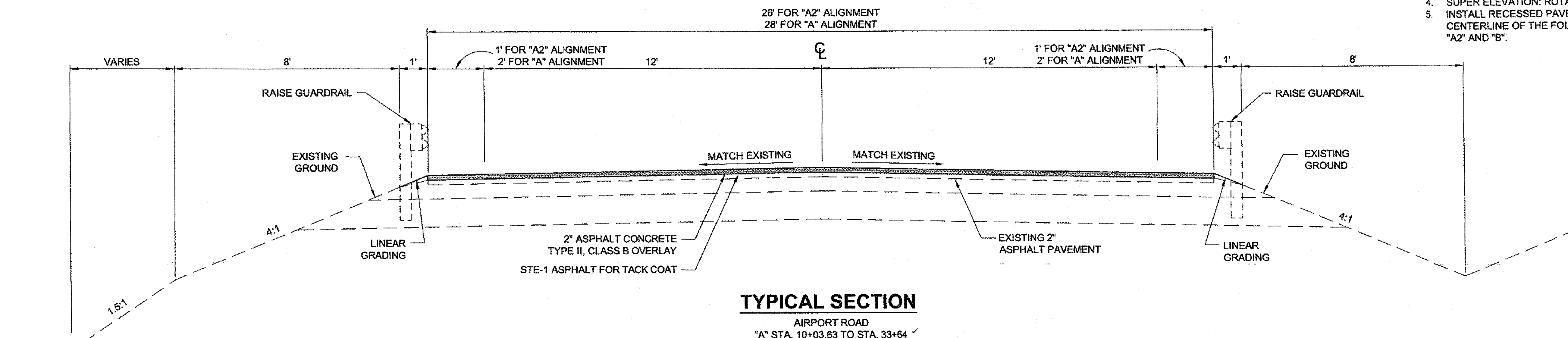


TYPICAL SECTION

BIG SALT LAKE ROAD
"B" STA. 10+18 TO STA. 122+08 ✓

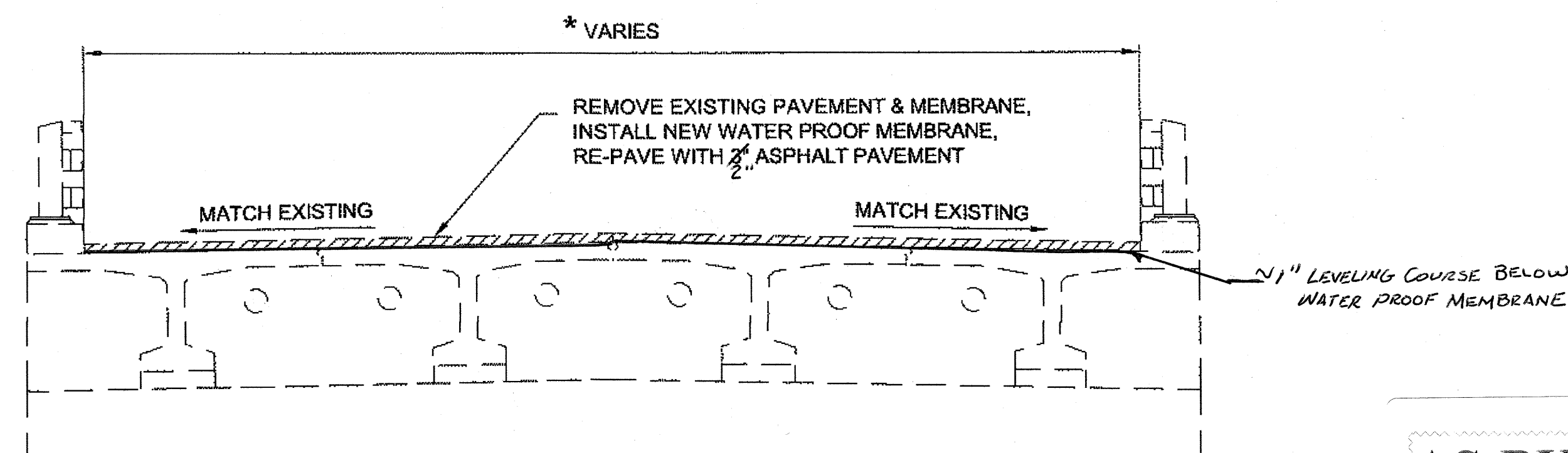
NOTES:

1. GRINDING OF ASPHALT PAVEMENT ON BRIDGE DECKS IS NOT ALLOWED.
2. RAISE GUARDRAIL TO A HEIGHT OF 29" ABOVE PAVEMENT OVERLAY.
3. DO NOT ADJUST TRANSITION OR BRIDGE RAILS.
4. SUPER ELEVATION: ROTATE AT CENTER LINE OF ROAD.
5. INSTALL RECESSED PAVEMENT MARKINGS ON THE CENTERLINE OF THE FOLLOWING ALIGNMENTS: "A", "A2" AND "B".



TYPICAL SECTION

AIRPORT ROAD
"A" STA. 10+03.63 TO STA. 33+64 ✓
"A2" STA. 20+00 TO STA. 35+00 ✓



TYPICAL SECTION

BRIDGES

* BRIDGE

BENNETT CREEK
LITTLE SALT CREEK
BLACK BEAR CREEK

WIDTH

28.9'
29.5'
29.5'

AS-BUILT PLANS

INITIALS *NW* DATE *11/20/17*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: P. GARROLL STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION 49th Doug Blackburn CE-10052 REGISTERED PROFESSIONAL ENGINEER		POW-BIG SALT ROAD PAVEMENT REHABILITATION PROJECT #67439	
DESIGNED BY: D. BLACKBURN DRAWN BY: R. GRANTHAM		TYPICAL SECTION	
PATH: Q:\POWA67439\PLANS\B1-B2_TYP.DWG TAB: B1 Friday, December 21, 2012 3:46:33 PM GRANTHAM, RICK L (DOT)		PROJECT DESIGNATION 67439	
REVISIONS NO. DATE DESCRIPTION		YEAR 2012	SHEET NO. B1
		TOTAL SHEETS 28	

ESTIMATE OF QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	PAY UNIT	QUANTITY
202 (2)	REMOVAL OF PAVEMENT	SQUARE YARD	5,899 1,006
202 (4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	568 545
203 (6)	BORROW	TON	2,280 339
303 (1)	AGGREGATE BASE COURSE, GRADING D-1	TON	879 588
303 (3)	LINEAR GRADING	STATION	360 291
304 (1)	SUBBASE, GRADING C	TON	800 590
401 (1)	ASPHALT CONCRETE, TYPE II, CLASS B	TON	7,933 7938
401 (2)	ASPHALT CEMENT, GRADE PG 58-28	TON	740 506
401 (6)	ASPHALT PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED ✓
401 (10)	ASPHALT MATERIAL PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED ✓
402 (1)	STE-1 ASPHALT FOR TACK COAT	TON	25 7.31
508 (1)	WATERPROOFING MEMBRANE	LUMP SUM	ALL REQUIRED ✓
602 (2)	STRUCTURAL PLATE PIPE-ARCH 7'-3" SPAN, 5'-11" RISE, 8 GAUGE	LINEAR FOOT	168 /
603 (21-24)	24 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	764 148
603 (21-36)	36 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	80 82
603 (22-84)	84 INCH LINER PIPE	LINEAR FOOT	740 142
604 (4)	ADJUST EXISTING MANHOLE	EACH	3 1
606 (1)	W-BEAM GUARDRAIL	LINEAR FOOT	162.5 ✓
606 (6)	REMOVING AND DISPOSING OF GUARDRAIL	LINEAR FOOT	162.5 130
606 (7)	RAISING EXISTING GUARDRAIL	LINEAR FOOT	2,893 2,431
606 (13)	PARALLEL GUARDRAIL TERMINAL	EACH	1 ✓
611 (2)	RIPRAP, CLASS I	TON	77 0
615 (1)	STANDARD SIGN	SQUARE FOOT	388 363
618 (1)	SEEDING	ACRE	0.34 0.62
627 (10)	ADJUSTMENT OF VALVE BOX	EACH	8 7
639 (2)	COMMERCIAL DRIVEWAY	EACH	8 15
639 (1)	RESIDENCE DRIVEWAY	EACH	72 7
640 (1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED ✓
640 (4)	WORKER MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQUIRED ✓
641 (1)	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED ✓
641 (3)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	LUMP SUM	ALL REQUIRED ✓
641 (4)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL ADDITIVES	CONTINGENT SUM	ALL REQUIRED ✓
641 (6)	WITHHOLDING	CONTINGENT SUM	ALL REQUIRED ✓
642 (1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED ✓
642 (3)	THREE PERSON SURVEY PARTY	HOUR	18 0
642 (11)	ADJUST EXISTING MONUMENT CASE	EACH	14 8
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 (23)	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED ✓
643 (25)	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQUIRED ✓
644 (1)	FIELD OFFICE	LUMP SUM	ALL REQUIRED ✓
644 (2)	FIELD LABORATORY	LUMP SUM	ALL REQUIRED ✓
644 (6)	VEHICLES	LUMP SUM	ALL REQUIRED ✓
644 (15)	NUCLEAR TESTING EQUIPMENT STORAGE SHED	LUMP SUM	ALL REQUIRED ✓
670 (1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQUIRED ✓
670 (8)	RECESSED PAVEMENT MARKER	EACH	702 367
	NEW ITEMS ESTABLISHED BY CHANGE ORDER		
603(22-84)	ADDITIONAL BAFFLES for 84 inch LINER PIPE & SLOPE PROTECTION C.O. #1	LUMP SUM	ALL REQUIRED
205(1A)	ADDITIONAL EXCAVATION and BACKFILL	LUMP SUM	ALL REQUIRED

BASIS OF ESTIMATE		
ITEM NO.	ITEM	ESTIMATING FACTOR
203 (6)	BORROW	1.8 TONS / CY
301 (1)	AGGREGATE BASE COURSE, GRADING D-1	1.9 TONS / CY
304 (1)	SUBBASE, GRADING C	1.8 TONS / CY
401 (1)	ASPHALT CONCRETE, TYPE II, CLASS B	120 LBS / SY / IN
401 (2)	ASPHALT CEMENT, GRADE PG 58-28	6% OF ITEM 401 (1)
402 (1)	STE-1 ASPHALT FOR TACK COAT	0.1 GAL / SY, (243 GAL / T)
611	RIPRAP, ALL CLASSES	1.55 TON / CY

1. CLEARING AND GRUBBING ESTIMATED AT 0.30 ACRES FOR PIPE REPLACEMENT LOCATIONS.
2. CLEARING AND GRUBBING ESTIMATED AT 0.60 ACRES FOR LINEAR GRADING.

INITIALS DW DATE 11/20/13

YEAR	SHEET NO.	TOTAL SHEET
2012	C1	28

PAVEMENT REMOVAL SUMMARY 202(2)

STATION / CDS MILE	LENGTH (FT)	WIDTH (FT)	DEPTH (IN ³)	AREA (FT ²)	REMARKS
"B" 75+00 - 77+50	250	36	2	9,000	
"B" 86+56 - 88+64	208	28.9	2.5	~~6,011~~ 4,974	BENNETT CREEK BRIDGE, REMOVE MEMBRANE ON BRIDGE DECK
"B" 97+20 - 100+50	330	36	2	11,880	
"B" 5.9	324	29.5	3.5 - 4.5	~~9,588~~ 7,864	LITTLE SALT CREEK BRIDGE, REMOVE MEMBRANE ON BRIDGE DECK
"B" 10.0	248	29.5	4.5	~~7,316~~ 6,987	BLACK BEAR CREEK BRIDGE, REMOVE MEMBRANE ON BRIDGE DECK
"B" 65+00	* 36	36.0	2	~~1,296~~ 2,398	P2
"B" 81+60	* 36	36.0	2	~~1,296~~ 615	P3
"B" 91+50	* 36	36.0	2	~~1,296~~ 786	P4
"B" 111+11	* 50	36.0	2	~~1,800~~ 2,597	P5A
"B" 113+84	* 36	36.0	2	~~1,296~~ 1,598	P6
TOTALS:				5,639-50 YD	

NOTE:
 1. 2000-2001

1. PAVEMENT DEPTHS ARE APPROXIMATE AND BASED ON AS-BUILT DATA. CONTRACTOR SHALL CONFIRM AND REMOVE FULL DEPTH OF EXISTING ASPHALT.
- * : LENGTH ESTIMATED. REMOVE THE MINIMUM AMOUNT OF PAVEMENT NECESSARY FOR CROSS PIPE REPLACEMENT.

PAVING SUMMARY

STATION / CDS MILE	LENGTH (FT)	WIDTH (FT)	THICKNESS (IN)	AREA (FT²)	REMARKS
"B" 10+18 - 122+08	11,190	36	2	402,840	3" THICK ON BENNETT CREEK BRIDGE.
"A" 10+03.63 - 33+64	2,360	28	2	66,108	
"A2" 20+00 - 35+00	1,500	26	2	39,000	
"B" 10.0	248	29.5	2 ROAD 3 BRIDGE	7,316	BLACK BEAR CREEK BRIDGE.
"B" 5.9	234	29.5	2 ROAD 3 BRIDGE	6,903	LITTLE SALT CREEK BRIDGE.
TOTALS:	15,422 FT			58,018 SQ YD	

PAVEMENT PATCH SUMMARY

STATION / CDS MILE	LENGTH (FT)	WIDTH (FT)	DEPTH (IN)	AREA (FT²)	REMARKS
"B" 75+00 - 77+50	250	36	2	9,000	
"B" 97+20 - 100+50	330	36	2	11,880	
"B" 65+00	* 36	36	2	~~1,296~~ 2,592	P2
"B" 81+60	* 36	36	2	~~1,296~~ 615	P3
"B" 91+50	* 36	36	2	~~1,296~~ 786	P4
"B" 111+11	* 50	36	2	~~1,800~~ 2,297	P5A
"B" 113+84	* 36	36	2	~~1,296~~ 1,598	P6
TOTALS:	774			~~3,096~~ 59 YD	

BRIDGE DECK WATER PROOFING MEMBRANE SUMMARY 508(1)

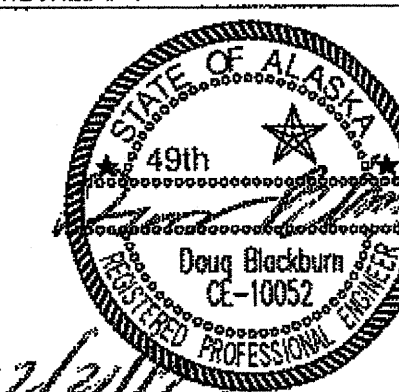
STATION / CDS MILE	LENGTH (FT)	WIDTH (FT)	AREA (FT²)	REMARKS
"B" 87+00	88	28.9	2,543	BENNETT CREEK BRIDGE
"B" 5.9	99.1	29.5	2,923.5	LITTLE SALT CREEK BRIDGE
"B" 10.0	128	29.5	3,776	BLACK BEAR CREEK BRIDGE
TOTALS:			1,027 SQ YD	

AS-BUILT PLANS

INITIALS DW DATE 11/20/17

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: P. CARROLL



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

**POW-BIG SALT ROAD
PAVEMENT REHABILITATION
PROJECT #67439**

PAVEMENT SUMMARIES

DESIGNED BY: D. BLACKBURN
DRAWN BY: R. GRANTHAM

PATH: Q:\POW67439\PLANSET\67439 D1-D4 SUMS.DWG

TAB: D1 Friday, December 21, 2012 10:37:17 AM

GRANTHAM, RICK L (DOT)

REVISIONS		
NO.	DATE	DESCRIPTION

67439

YEAR	
------	--

Y

SHEET	TOTAL
-------	-------

NO.	SHEETS
-----	--------

ADJUST GUARDRAIL SUMMARY 606 (1)			
STATION / CDS MILE	OFFSET	LENGTH (FT)	REMARKS
"B" 1743-25+30 62	LT	880 849	
"B" 84+71 - 85+77	RT	106	
"B" 85+50 - 86+18	LT	68	
"B" 87+60 - 88+55	RT	94	
"B" 87+61 - 88+36	LT	75	
"A" 9+08 - 17+16	LT	808	
"A" 9+08 - 17+30	RT	822	
A1 10+98 - 17+04	RT	606	
A1 11+40 - 10+97	LT	557	
	TOTAL:	2,883	

[illegible]

ADJUST EXISTING MONUMENT CASE 642 (11)		
STATION	OFFSET	REMARKS
~~"B" 10+20.00~~	~~16.1' LT~~	OUTSIDE PAVING LIMITS
"B" 27+22.17	17.33' LT ✓	
~~"B" 32+41.21~~	~~17.6' RT~~	NOT FOUND
~~"B" 45+99.52~~	~~18.06' RT~~	OUTSIDE PAVING LIMITS
"B" 57+40.63	17.77' RT ✓	
~~"B" 75+99.20~~	~~18.61' RT~~	OUTSIDE PAVING LIMITS
"B" 88+65.11	18.45' RT ✓	
"B" 93+09.93	18.5' RT ✓	
"B" 102+66.50	16.37' LT ✓	
"B" 107+31.49	15.87' RT ✓	
"B" 112+03.49	17.84' RT ✓	
"B" 120+68.56	18.08' RT ✓	
~~"A" 17+97~~	~~6.18' RT~~	NOT FOUND
~~"A" 28+27.93~~	~~13.95' RT~~	NOT FOUND

[illegible]

INITIALS DW DATE 11/20/17

CHECKED BY: P. CARROLL 			STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION																
DESIGNED BY: D. BLACKBURN DRAWN BY: R. GRANTHAM			POW-BIG SALT ROAD PAVEMENT REHABILITATION PROJECT #67439																
PATH: Q:\POW67439\PLANSET\67439_D1-D4 SUMS.DWG TAB: D2 Friday, December 21, 2012 10:40:05 AM GRANTHAM, RICK L (DOT)			MISCELLANEOUS SUMMARIES																
REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>			NO.	DATE	DESCRIPTION										PROJECT DESIGNATION 67439		YEAR 2012	SHEET NO. D2	TOTAL SHEETS 28
NO.	DATE	DESCRIPTION																	

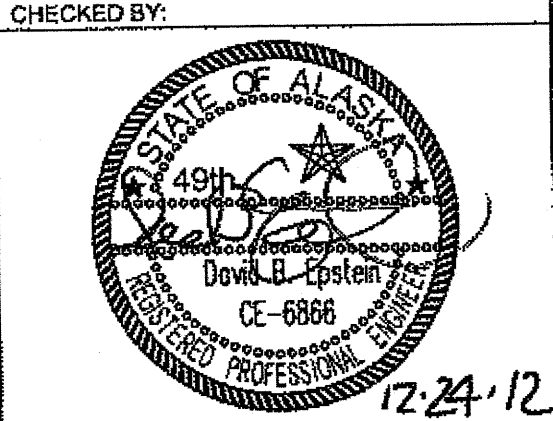
STANDARD SIGN SUMMARY 615 (1)

SIGN No.	LEGEND	STATION	OFFSET	ASDS CODE	WIDTH (IN)	HEIGHT (IN)	AREA (SQ. FT)	POST	EMBED. DEPTH	SIGN FACING	REMARKS
1	STOP	10+50	LT	R1-1	30	30	6.25	2.5 PST	4'-6"	N	
2	KLAWOCK - HOLLIS HWY	10+50	LT	D3-1	48	8	2.67	2.5 PST	4'-6"	N-S	USE B FONT, 4" CAP / 3" LOWER CASE LETTERS, MOUNT ABOVE STOP SIGN.
3	BOUNDARY RD	10+50	LT	D3-1	54	12	4.5	2.5 PST	4'-6"	E-W	USE C FONT, 6" CAP / 4" LOWER CASE LETTERS, MOUNT ABOVE STOP SIGN.
4	SPEED LIMIT 40	15+00	RT	R2-1	30	36	7.50	2.5 PST	4'-6"	S	
5	STOP AHEAD	15+20	LT	W3-1	36	36	9.00	2.5 PST	4'-6"	N	
6	BUCKLE UP IT'S THE LAW	15+90	RT	R16-1	48	30	10.00	2.5 PST	4'-6"	S	
7	STOP	17+25	RT	R1-1	30	30	6.25	2.5 PST	4'-6"	E	
8	BOUNDARY RD	17+25	RT	D3-1	36	8	2.00	2.5 PST	4'-6"	N-S	USE C FONT, 4" CAP / 3" LOWER CASE LETTERS, MOUNT ABOVE STOP SIGN.
9	B ST.	17+25	RT	D3-1	30	12	2.50	2.5 PST	4'-6"	E-W	USE C FONT, 6" CAP / 4" LOWER CASE LETTERS, MOUNT ABOVE STOP SIGN.
10	ALASKA SCENIC BYWAY	17+40	RT					2.5 PST	4'-6"	S	SIGN TO REMAIN
11	STOP	25+42	RT	R1-1	30	30	6.25	2.5 PST	4'-6"	E	
12	BOUNDARY RD	25+42	RT	D3-1	54	12	4.50	2.5 PST	4'-6"	N-S	USE C FONT, 4" CAP / 3" LOWER CASE LETTERS, MOUNT ABOVE STOP SIGN.
13	G ST	25+42	RT	D3-1	30	12	2.50	2.5 PSTx2	4'-6"	E-W	USE C FONT, 6" CAP / 4" LOWER CASE LETTERS, MOUNT ABOVE STOP SIGN.
14	STOP	36+60	LT	R1-1	30	30	6.25	2.5 PSTx2	4'-6"	NW	
15	BIG SALT LAKE RD	36+60	LT	D3-A1	60	12	5.00	2.5 PST	4'-6"	NW-SE	USE B FONT, 6" CAP / 4" LOWER CASE LETTERS, MOUNT ABOVE STOP SIGN.
16	SPEED LIMIT 40	42+00	RT	R2-1	30	36	7.5	2.5 PST	4'-6"	SW	
17	SPEED LIMIT 40	42+00	LT	R2-1	30	36	7.5	2.5 PST	4'-6"	NE	
18	STOP	45+00	LT	R1-1	30	30	6.25	2.5 PST	4'-6"	NW	
19	\$1000 FOR LITTERING	81+25	RT	R16-106	42	42	12.25	2.5 PST	4'-6"	SW	
20	REVERSE CURVE	13+00	LT	W1-4L	36	36	9.00	2.5 PSTx2	4'-6"	SW	
21	NARROW BRIDGE	83+20	RT	W5-2	36	36	9.00	2.5 PST	4'-6"	SW	
22	OBJECT MARKER	86+50	RT	OM-3R	12	36	3.00	2.5 PST	4'-6"	SW	ATTACH TO FIRST BRIDGE POST
23	OBJECT MARKER	86+50	LT	OM-3L	12	36	3.00	2.5 PST	4'-6"	SW	ATTACH TO LAST BRIDGE POST
24	BENNETT CREEK	86+00	RT	I-3	66	36	16.50	2.5 PST	4'-6"	SW	
25	BENNETT CREEK	87+80	LT	I-3	66	36	16.50	2.5 PST	4'-6"	NE	
26	OBJECT MARKER	87+75	RT	OM-3R	12	36	3.00	2.5 PST	4'-6"	NE	ATTACH TO FIRST BRIDGE POST
27	OBJECT MARKER	87+75	LT	OM-3L	12	36	3.00	2.5 PST	4'-6"	NE	ATTACH TO LAST BRIDGE POST
28	REVERSE CURVE	111+50	LT	W1-4L	36	36	9.00	2.5 PST	4'-6"	NE	
29	SPEED LIMIT 40	114+30	LT	R2-2	30	36	7.50	2.5 PST	4'-6"	NE	
30	AIRPORT SYMBOL	117+75	RT	I-5	30	30	6.25	2.5 PST	4'-6"	SW	ORIENT SIGN SO NOSE OF AIRCRAFT POINTS LEFT
31	STOP	120+45	LT	R1-1	30	30	6.25	2.5 PST	4'-6"	NW	
32	← THORNE BAY KLAWOCK →	120+85	RT	D1-2A-A	102	42	29.75	2.5 PST	4'-6"	NW	
33	SPEED LIMIT 30	13+00	RT	R2-1	30	36	7.50	2.5 PST	4'-6"	SE	"A" LINE
34	SPEED LIMIT 30	31+00	LT	R2-1	30	36	7.50	2.5 PST	4'-6"	NW	"A" LINE
35	NO PARKING ON PAVEMENT	19+50	LT	R8-1	24	30	5.00	2.5 PST	4'-6"	NE	"A2" LINE
36	OR WITHIN 8 FT	19+50	LT	R8-1A	24	12	2.00	2.5 PST	4'-6"	NE	"A2" LINE MOUNT BELOW SIGN 35
37	NO PARKING ON PAVEMENT	3+70	RT	R8-1	24	30	5.00	2.5 PST	4'-6"	SW	"A2" LINE
38	OR WITHIN 8 FT	3+70	RT	R8-1A	24	12	2.00	2.5 PST	4'-6"	SW	"A2" LINE MOUNT BELOW SIGN 37
39	NO PARKING ON PAVEMENT	0+40	LT	R8-1	24	30	5.00	2.5 PST	4'-6"	NE	"A2" LINE
40	OR WITHIN 8 FT	0+40	LT	R8-1A	24	12	2.00	2.5 PST	4'-6"	NE	"A2" LINE MOUNT BELOW SIGN 39
41	LITTLE SALT CREEK		RT	I-3	84	36	21.00	2.5 PST	4'-6"	S	REPLACE EXISTING SIGN IN PLACE
42	LITTLE SALT CREEK		LT	I-3	84	36	21.00	2.5 PST	4'-6"	N	REPLACE EXISTING SIGN IN PLACE
43	OBJECT MARKER		RT	OM-3R	12	36	3.00	2.5 PST	4'-6"	S	ATTACH TO FIRST BRIDGE POST
44	OBJECT MARKER		LT	OM-3L	12	36	3.00	2.5 PST	4'-6"	N	ATTACH TO LAST BRIDGE POST
45	OBJECT MARKER		RT	OM-3R	12	36	3.00	2.5 PST	4'-6"	N	ATTACH TO FIRST BRIDGE POST
46	OBJECT MARKER		LT	OM-3L	12	36	3.00	2.5 PST	4'-6"	S	ATTACH TO LAST BRIDGE POST
47	BLACK BEAR CREEK		RT	I-3	90	36	22.50	2.5 PST	4'-6"	E	REPLACE EXISTING SIGN IN PLACE
48	BLACK BEAR CREEK		LT	I-3	90	36	22.50	2.5 PST	4'-6"	NW	REPLACE EXISTING SIGN IN PLACE
49	OBJECT MARKER		RT	OM-3R	12	36	3.00	2.5 PST	4'-6"	E	ATTACH TO FIRST BRIDGE POST
50	OBJECT MARKER		LT	OM-3L	12	36	3.00	2.5 PST	4'-6"	W	ATTACH TO LAST BRIDGE POST
51	OBJECT MARKER		RT	OM-3R	12	36	3.00	2.5 PST	4'-6"	NW	ATTACH TO FIRST BRIDGE POST
52	OBJECT MARKER		LT	OM-3L	12	36	3.00	2.5 PST	4'-6"	SE	ATTACH TO LAST BRIDGE POST
53	NARROW BRIDGE	91+30	LT	W5-2	36	36	9.00	2.5 PST	4'-6"	N	
54	BIG SALT LAKE RD	120+45	LT	D3-1	48	8	2.67	2.5 PST	4'-6"	NE-SW	USE C FONT, 4" CAP / 3" LOWER CASE LETTERS, MOUNT ABOVE STOP SIGN.
55	AIRPORT RD	120+45	LT	D3-1	48	12	4.00	2.5 PST	4'-6"	SE-NW	USE C FONT, 6" CAP / 4" LOWER CASE LETTERS, MOUNT ABOVE STOP SIGN.

AS-BUILT PLANS

INITIALS DW DATE 11/20/13

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



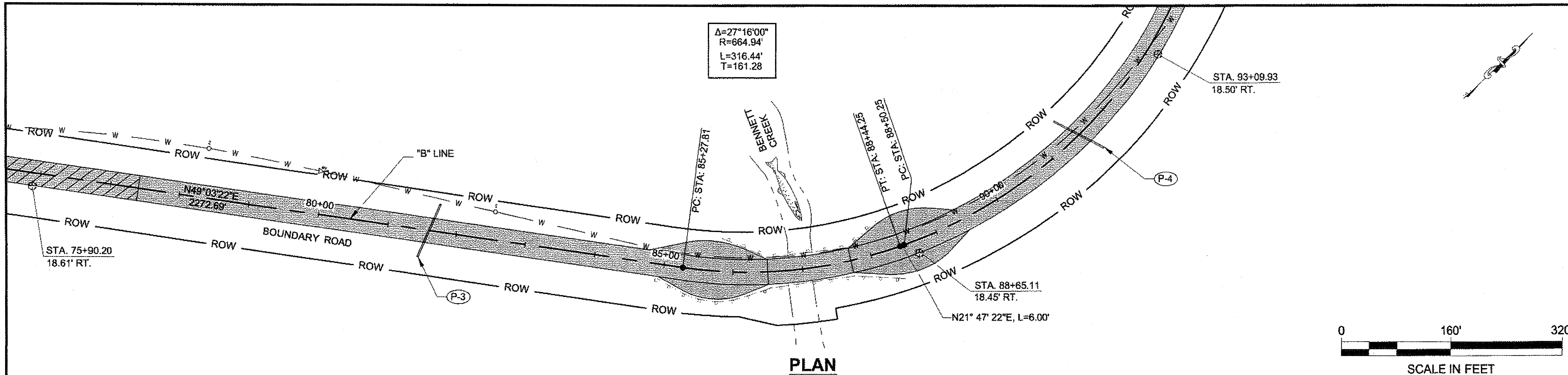
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

POW-BIG SALT ROAD
PAVEMENT REHABILITATION
PROJECT #67439

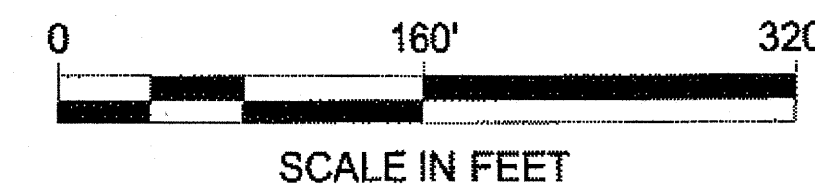
SIGN SUMMARY

DESIGNED BY:		SUMMARY					
DRAWN BY:							
PATH: Q:\POW\67439\PLANSET\67439_D1-D4 SUMS.DWG							
TAB: D3 Monday, December 24, 2012 1:29:33 PM		GRANTHAM, RICK L (DOT)					
REVISIONS		PROJECT DESIGNATION		YEAR	SHEET NO.	TOTAL SHEETS	
NO.	DATE	DESCRIPTION		67439	2012	D3	28

$\Delta=27^{\circ}16'00''$
 $R=664.94'$
 $L=316.44'$
 $T=161.28$



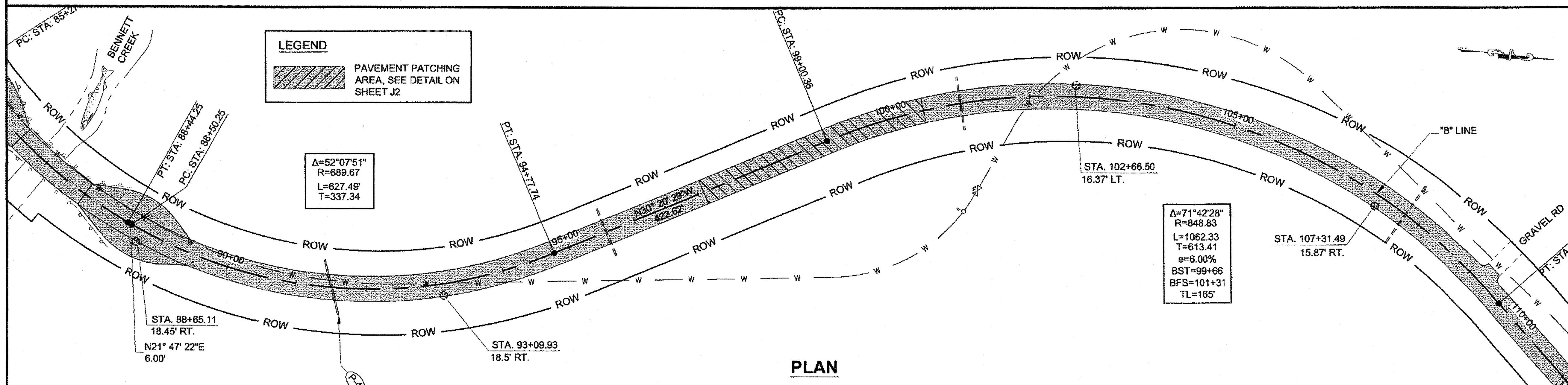
PLAN



SCALE IN FEET

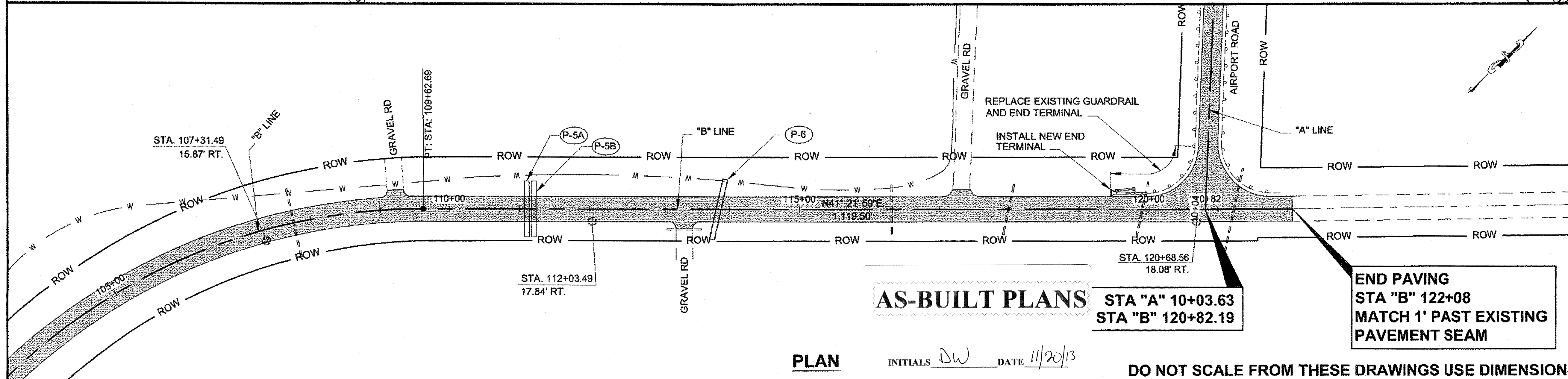
LEGEND
PAVEMENT PATCHING
AREA, SEE DETAIL ON
SHEET J2

$\Delta=52^{\circ}07'51''$
 $R=689.67'$
 $L=627.49'$
 $T=337.34$



PLAN

$\Delta=71^{\circ}42'28''$
 $R=848.83'$
 $L=1062.33'$
 $T=613.41'$
 $\theta=6.00\%$
 $BST=99+66$
 $BFS=101+31$
 $TL=165'$



PLAN

AS-BUILT PLANS

STA "A" 10+03.63
STA "B" 120+82.19

END PAVING
STA "B" 122+08
MATCH 1' PAST EXISTING
PAVEMENT SEAM

INITIALS *DW* DATE 11/20/13

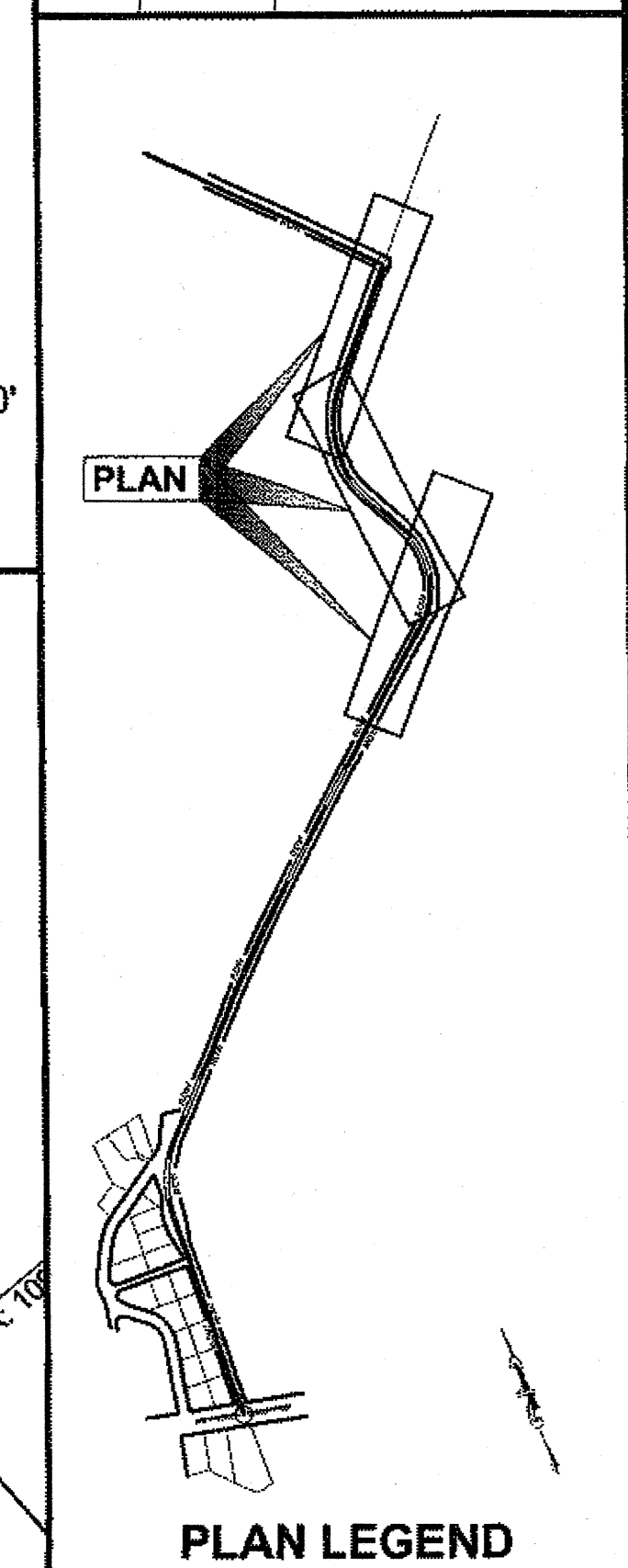
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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Q:\POW\67439\PLANSET\67439_F1-F4_PLANS.DWG

GRANTHAM, RICK L (DOT)

TAB: F2 Friday, December 21, 2012 11:05:42 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: STAFF

STATE OF ALASKA
Professional Engineer
Doug Blackburn
CE-10052

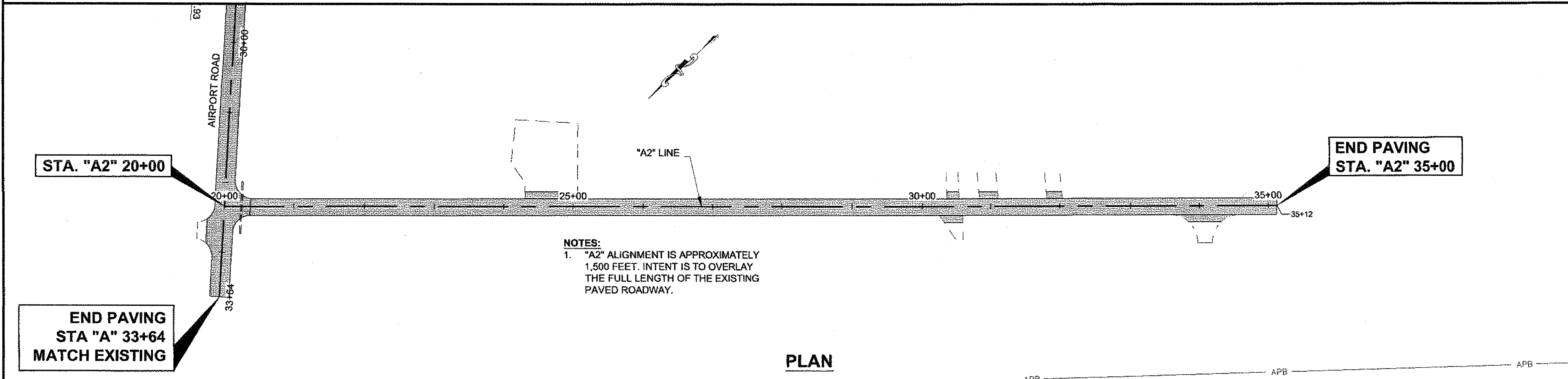
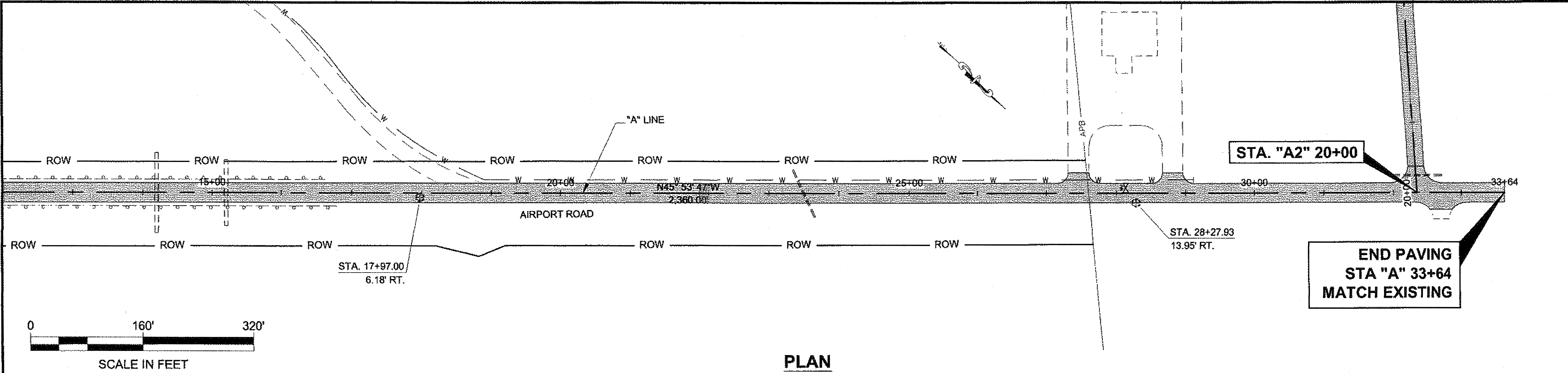
DESIGNED BY: D. BLACKBURN

DRAWN BY: R. GRANTHAM / D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

**POW-BIG SALT ROAD
PAVEMENT REHABILITATION
PROJECT #67439**

PLAN VIEW	
PROJECT DESIGNATION	
67439	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F2	28



PATH:
Q:\POW\67439\PLANSET\67439_F1-F4_PLANS.DWG

GRANTHAM, RICK L (DOT)

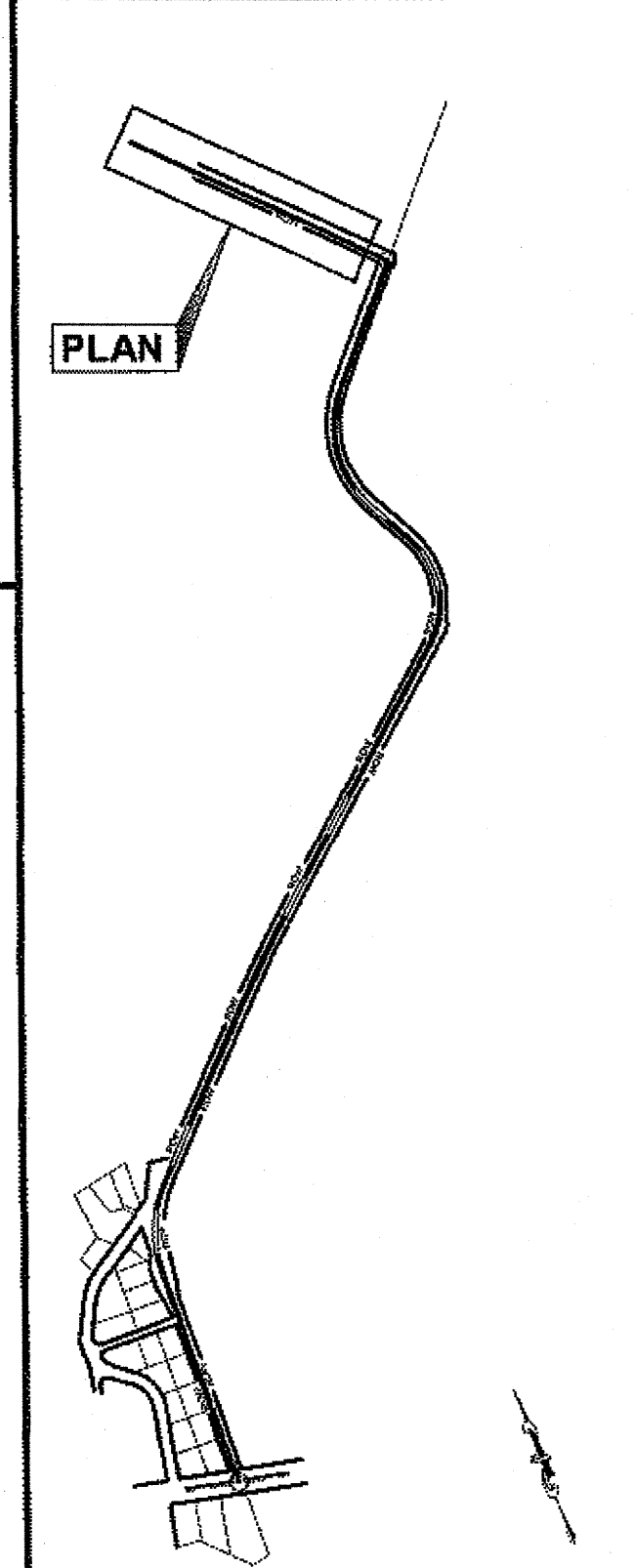
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: STAFF

DESIGNED BY: D. BLACKBURN

DRAWN BY: R. GRANTHAM / D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

POW-BIG SALT ROAD
PAVEMENT REHABILITATION
PROJECT #67439

PLAN VIEW

PROJECT DESIGNATION

67439

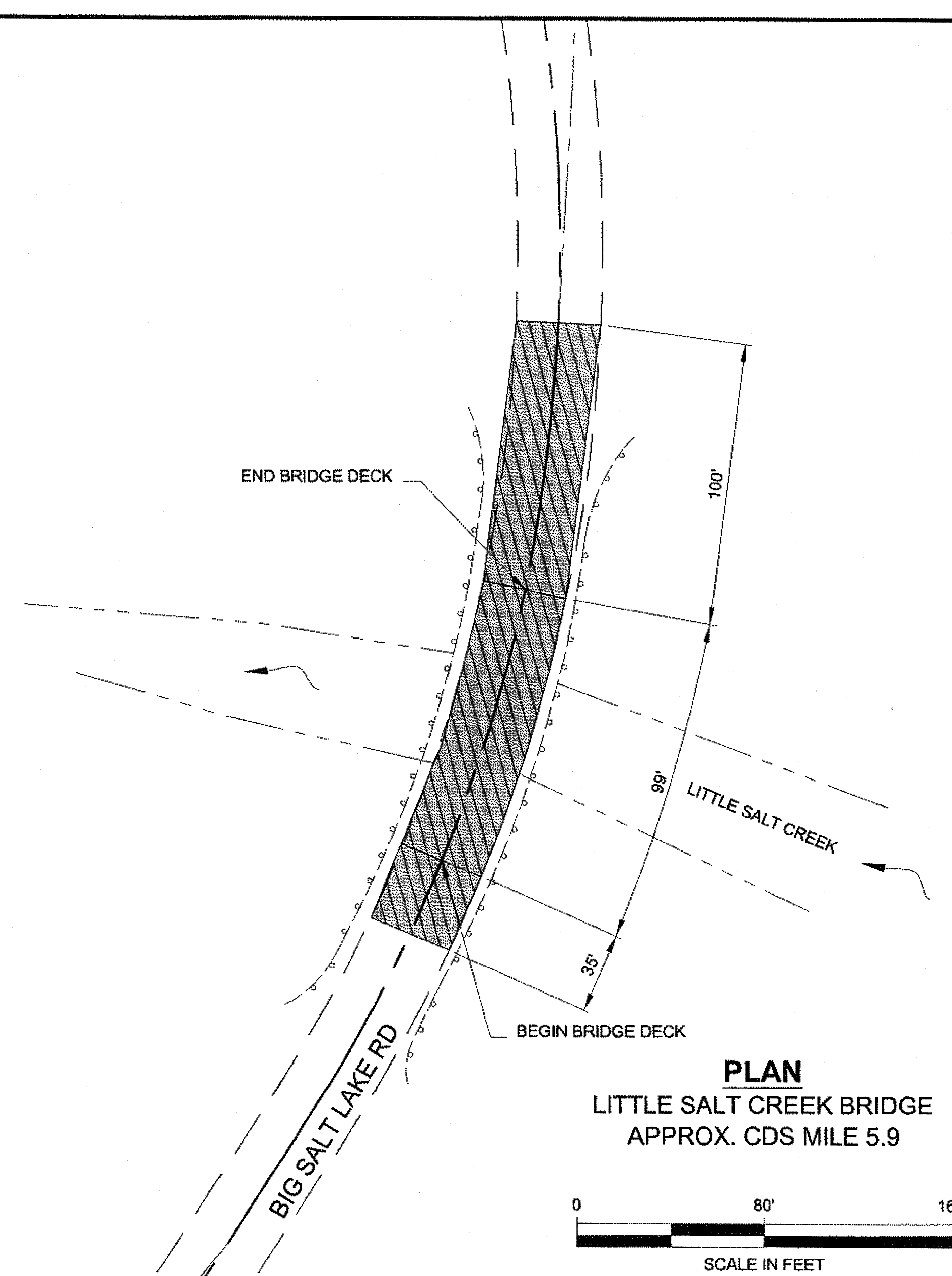
STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
F3	28

AS-BUILT PLANS

INITIALS DW DATE 11/20/17

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



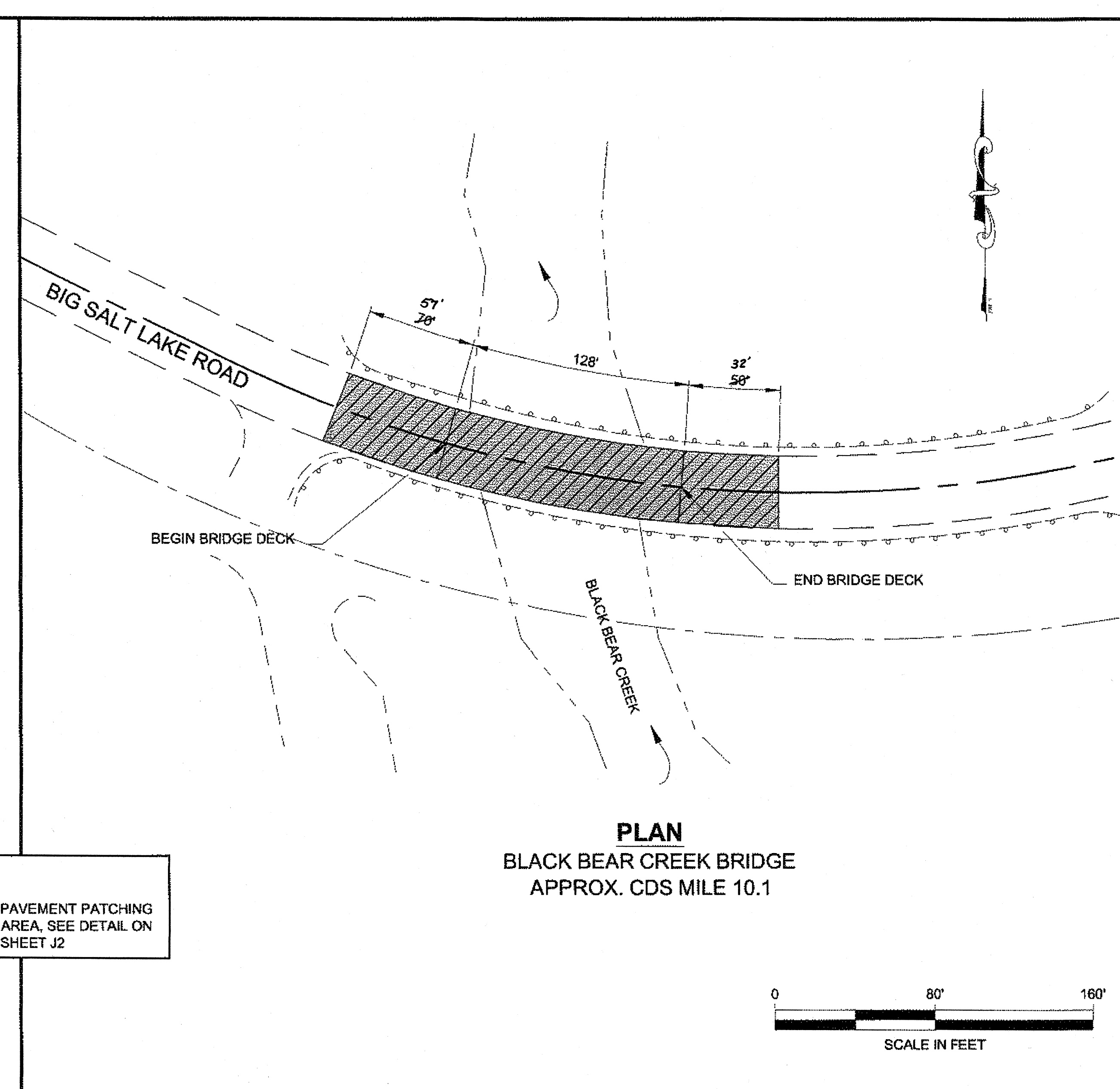
PLAN
LITTLE SALT CREEK BRIDGE
APPROX. CDS MILE 5.9

0 80' 160'

SCALE IN FEET

LEGEND

PAVEMENT PATCHING AREA, SEE DETAIL ON SHEET J2



PLAN
BLACK BEAR CREEK BRIDGE
APPROX. CDS MILE 10.1

0 80' 160'

SCALE IN FEET

PATH: Q:\POW67439\PLANSET\67439_F1-F4_PLANS.DWG

GRANTHAM, RICK L (DOT)

TAB: F4 Friday, December 21, 2012 11:19:23 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

PLAN

PLAN LEGEND

CHECKED BY: STAFF

DESIGNED BY: D. BLACKBURN

DRAWN BY: R. GRANTHAM / D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

POW-BIG SALT ROAD
PAVEMENT REHABILITATION
PROJECT #67439

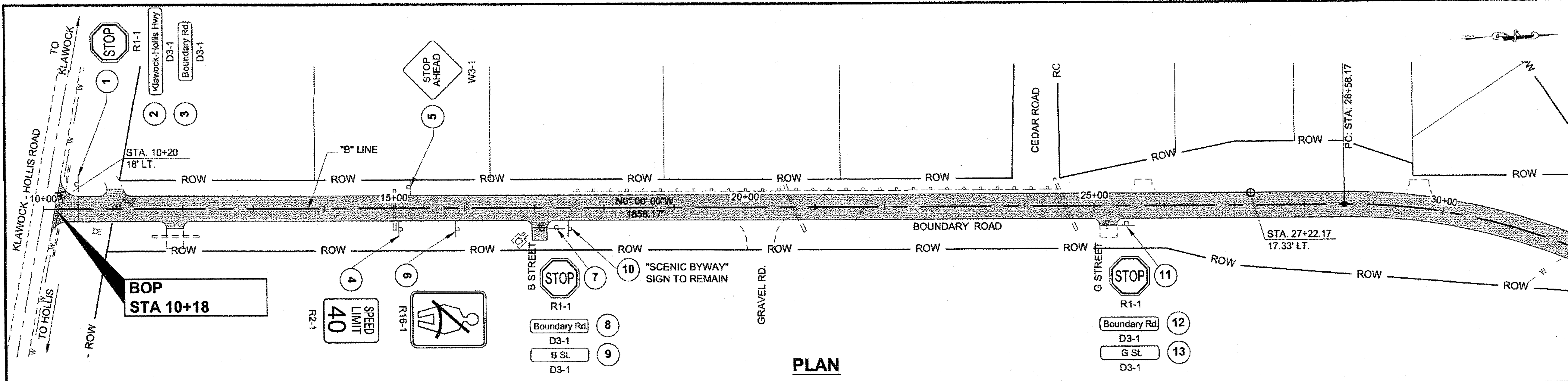
PLAN VIEW

PROJECT DESIGNATION	
67439	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F4	28

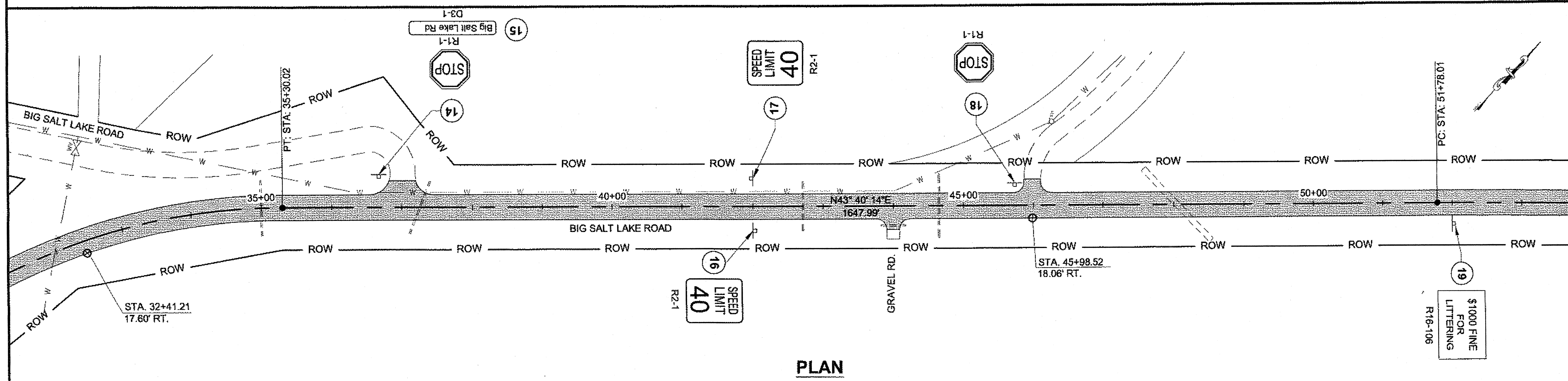
AS-BUILT PLANS

INITIALS *DW* DATE *11/20/12*

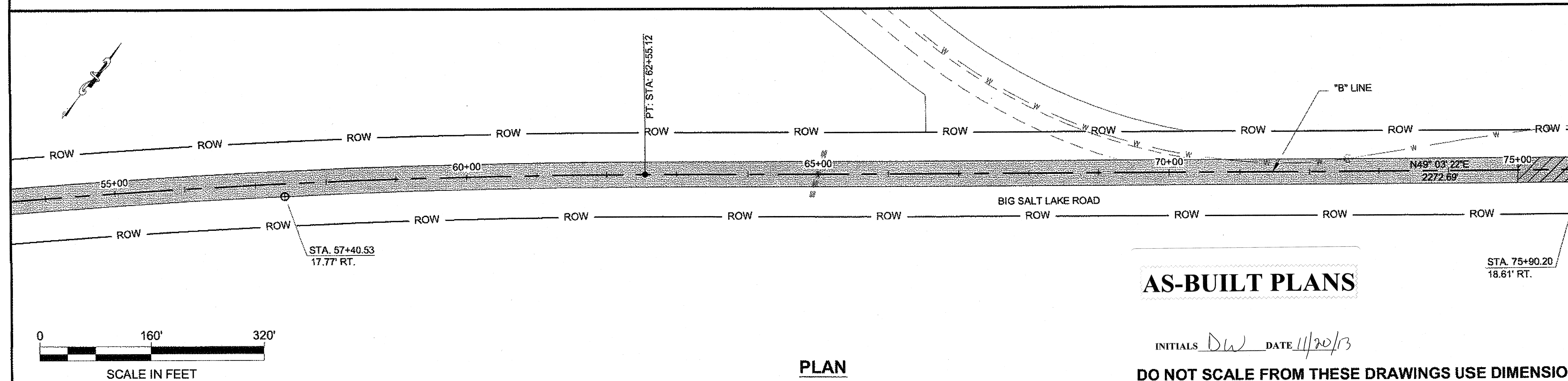
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PLAN



PLAN



PLAN

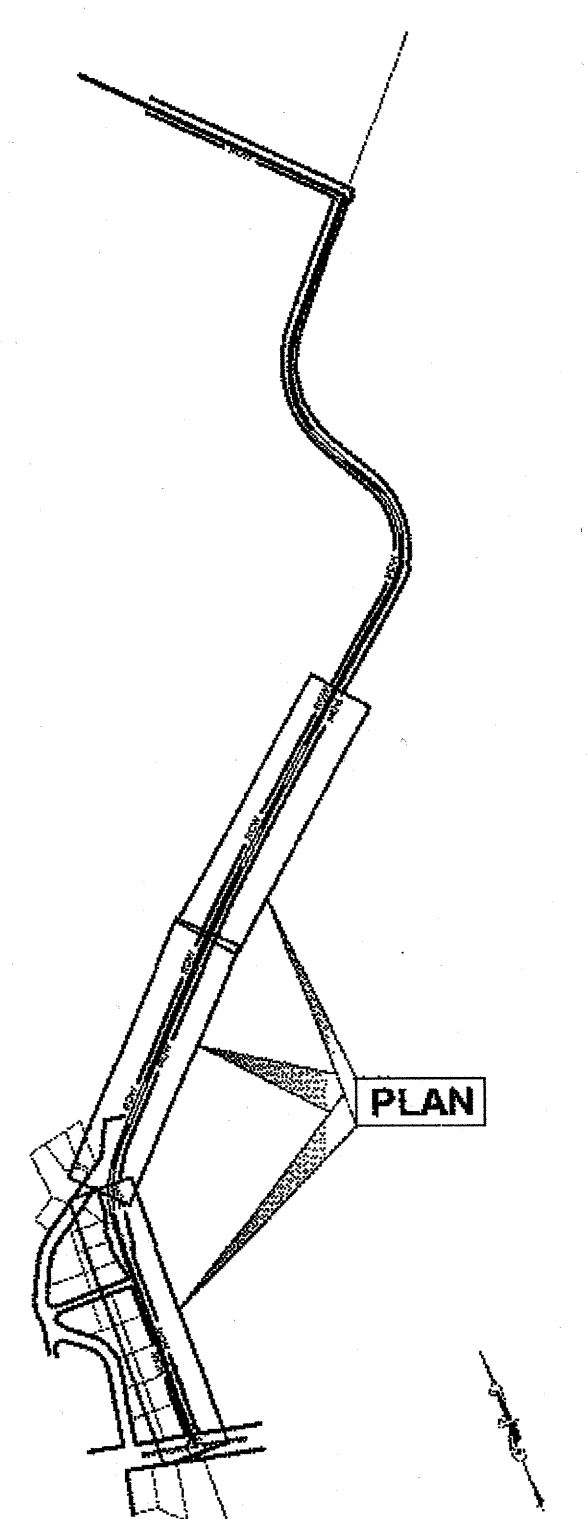
AS-BUILT PLANS

INITIALS DW DATE 11/20/13

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

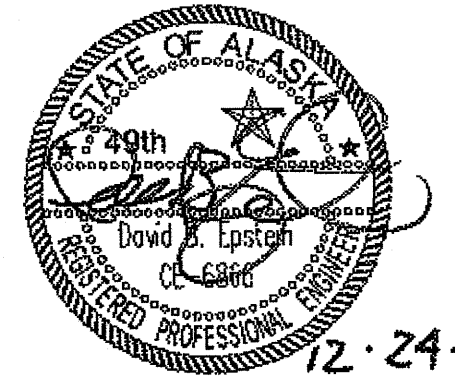
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GRANTHAM, RICK L (DOT)
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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: D. EPSTEIN



DESIGNED BY: D. EPSTEIN

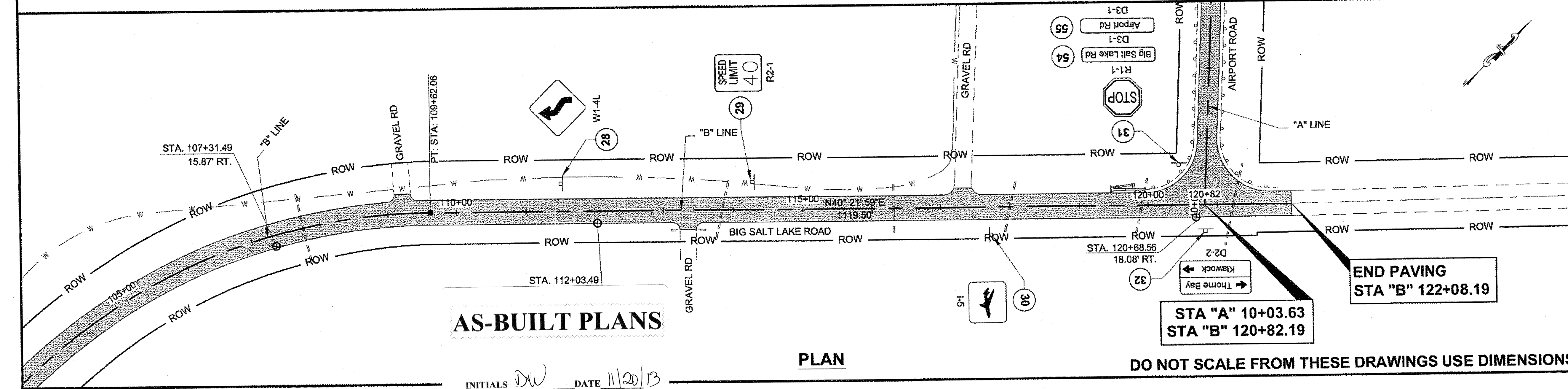
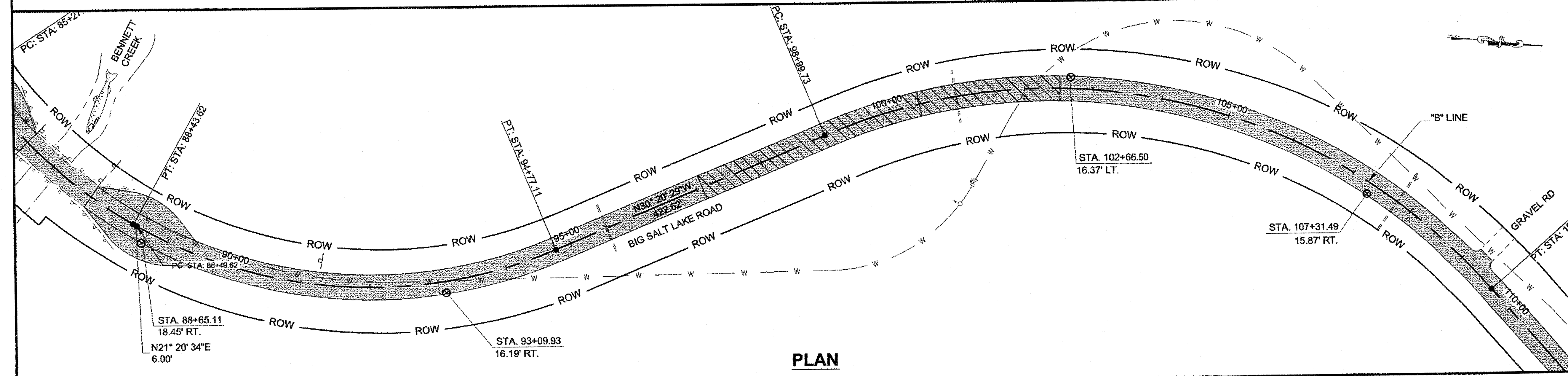
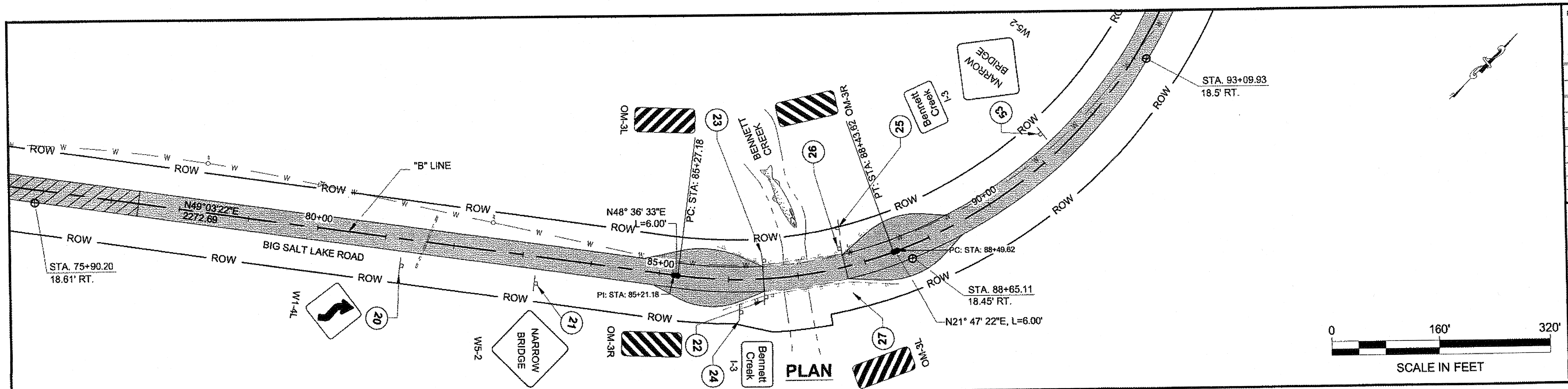
DRAWN BY: B. BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

POW-BIG SALT ROAD
PAVEMENT REHABILITATION
PROJECT #67439

SIGNING & STRIPING
PLANS

PROJECT DESIGNATION	
67439	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
H1	28



PATH: Q:\POW\67439\PLANSET\67439_H1-H4 STRIPING.DWG
 GRANHAM, RICK L (DOT)
 TAB: H2 Monday, December 24, 2012 11:58:00 A

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PLAN

PLAN LEGEND

CHECKED BY: D. EPSTEIN

DESIGNED BY: D. EPSTEIN

DRAWN BY: B. BENNETT

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

POW-BIG SALT ROAD
 PAVEMENT REHABILITATION
 PROJECT #67439

SIGNING & STRIPING
 PLANS

PROJECT DESIGNATION

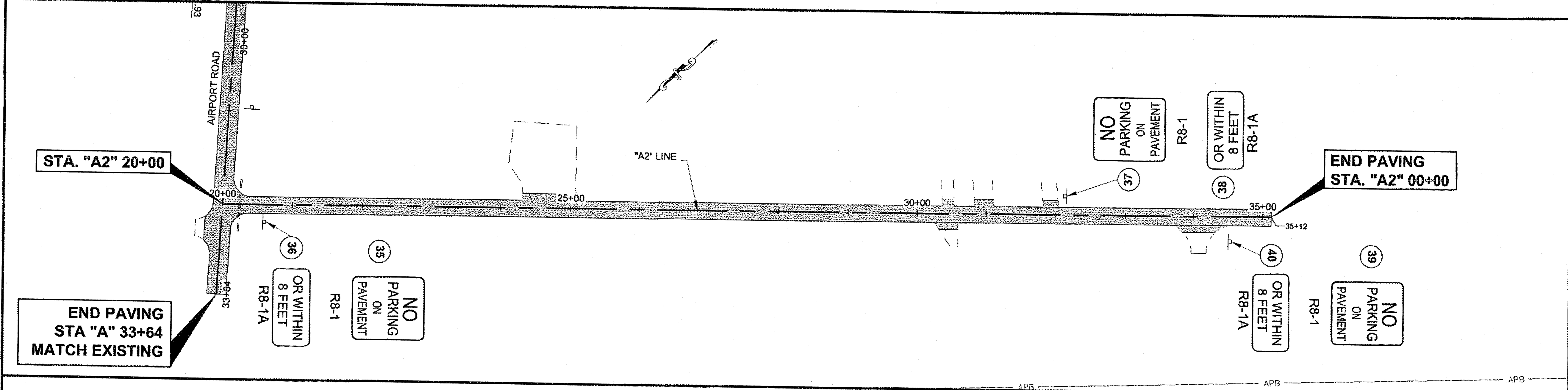
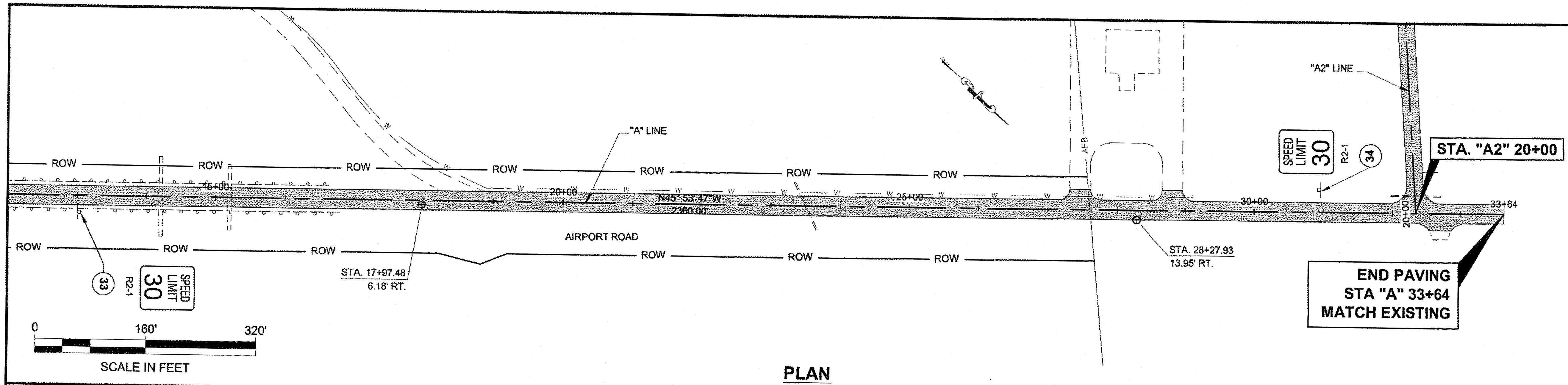
67439

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
H2	28

INITIALS DW DATE 11/20/13

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



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STRIPING.DWG
GRANTHAM, RICK L (DOT)

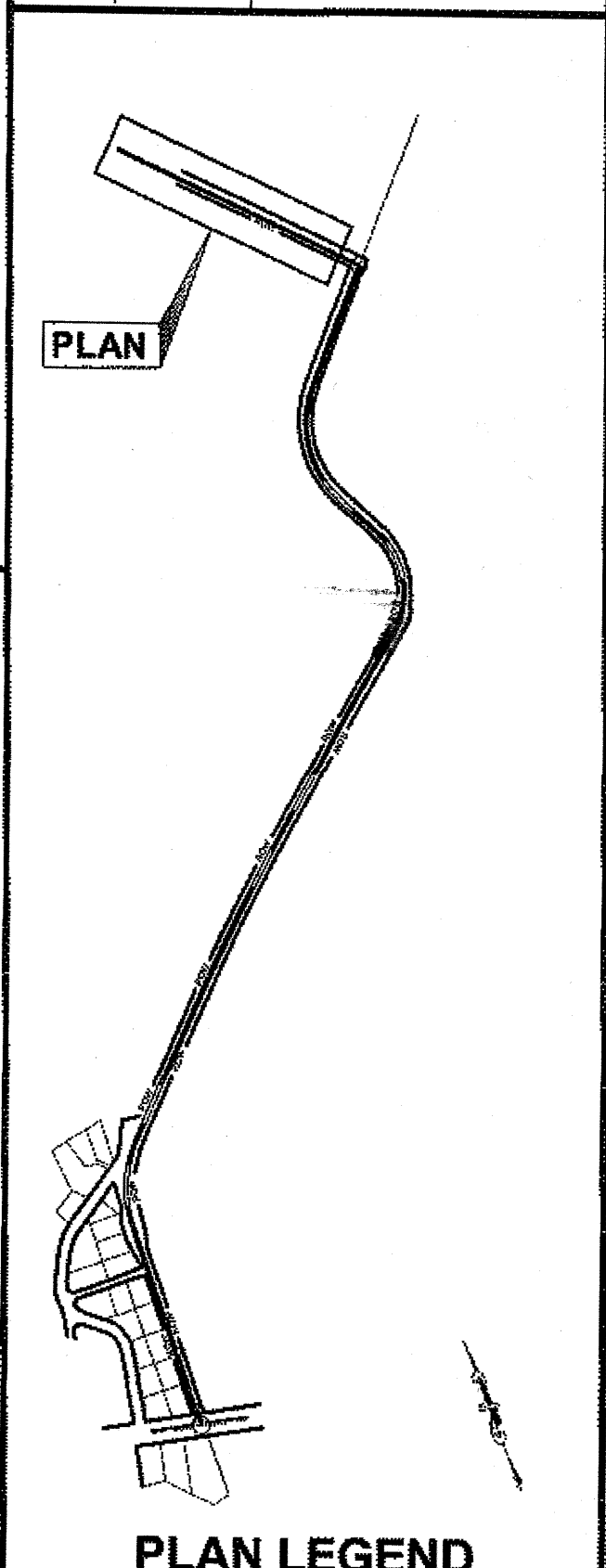
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: STAFF

DESIGNED BY: D. BLACKBURN

DRAWN BY: R. GRANTHAM / D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

POW-BIG SALT ROAD
PAVEMENT REHABILITATION
PROJECT #67439

SIGNING & STRIPING
PLANS

PROJECT DESIGNATION

67439

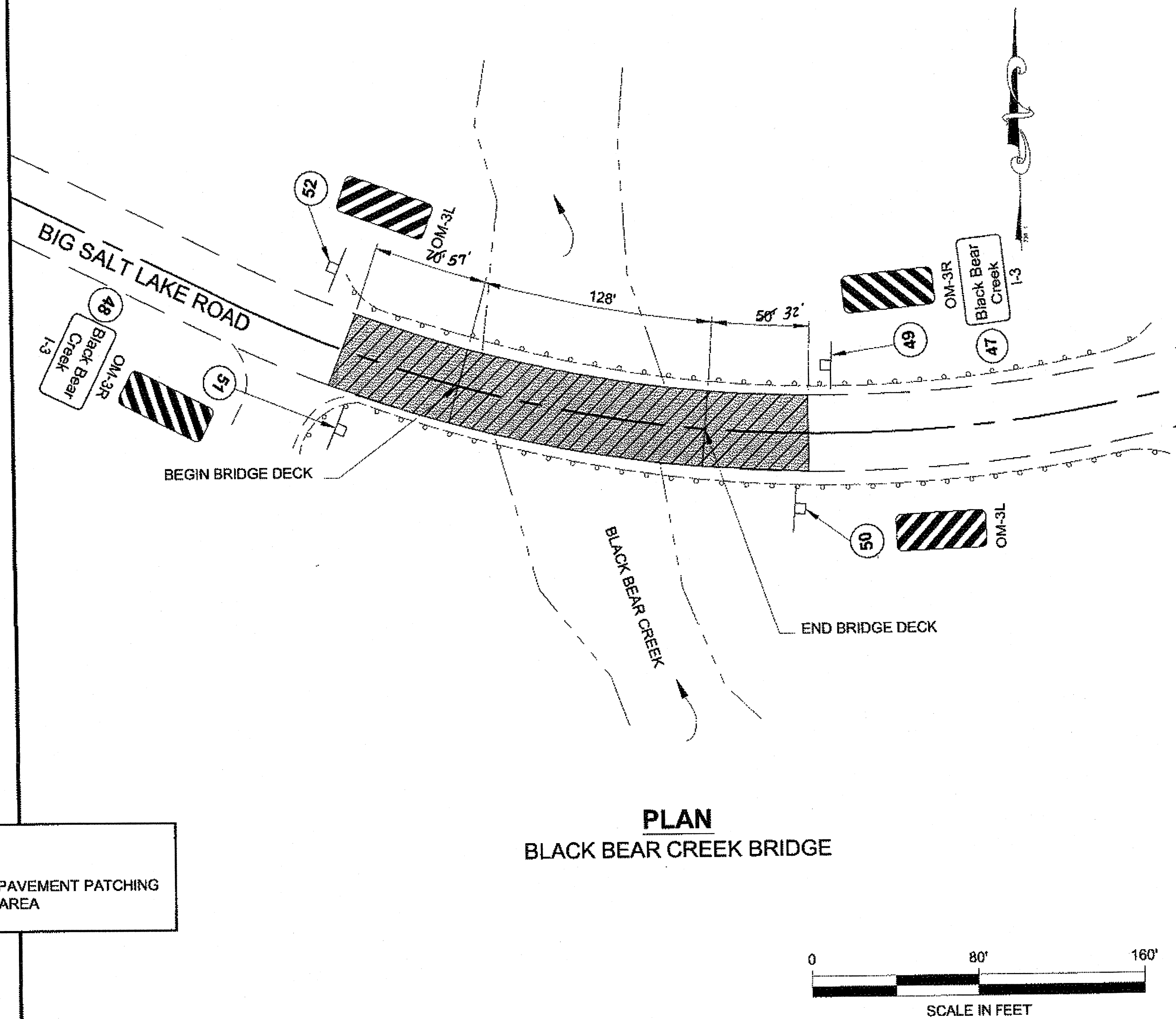
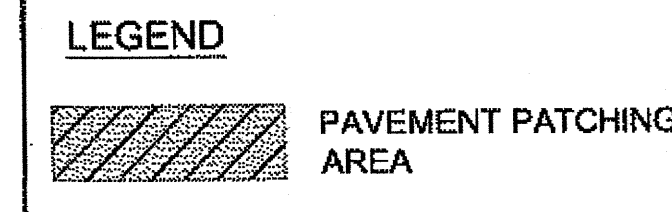
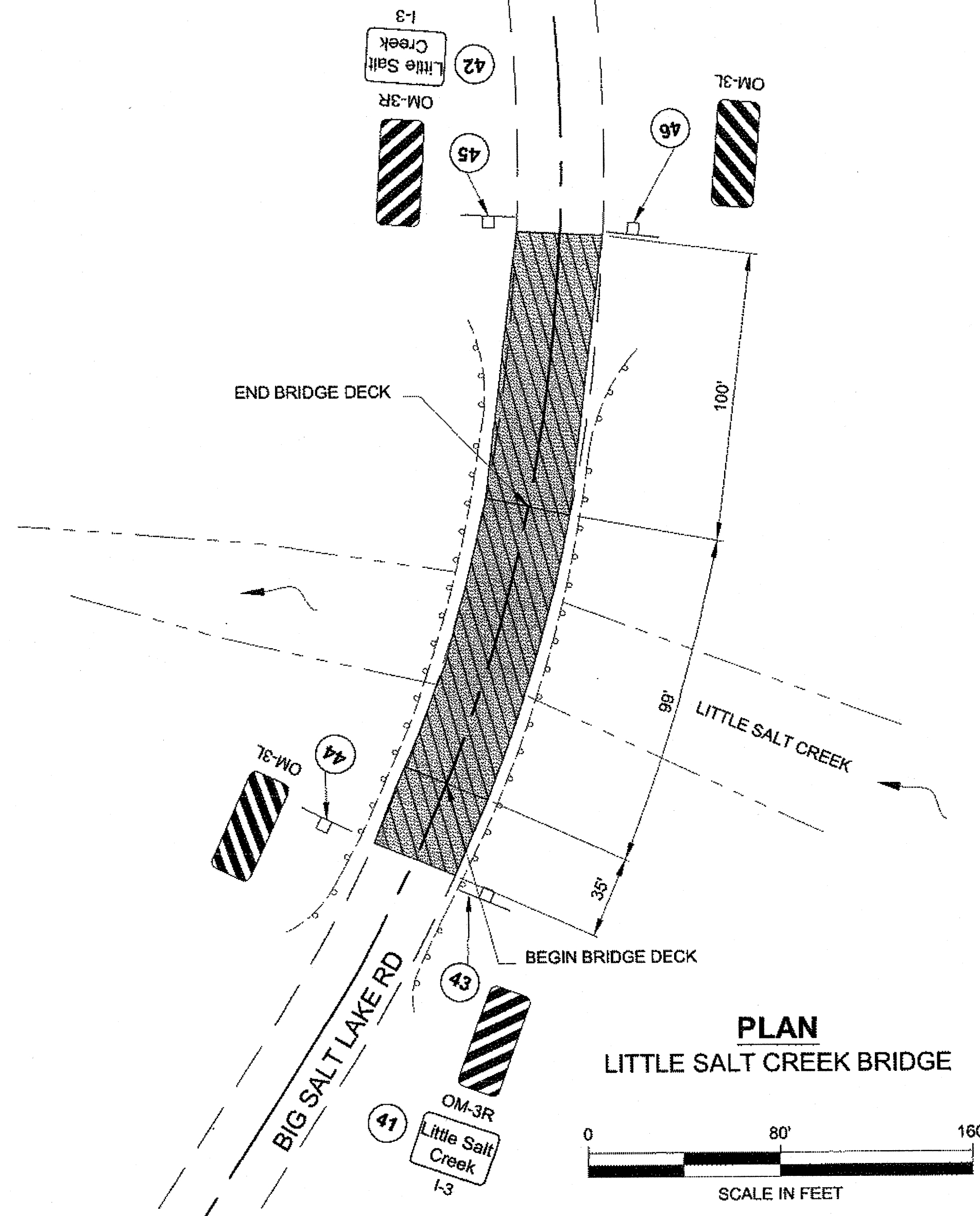
STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
H3	28

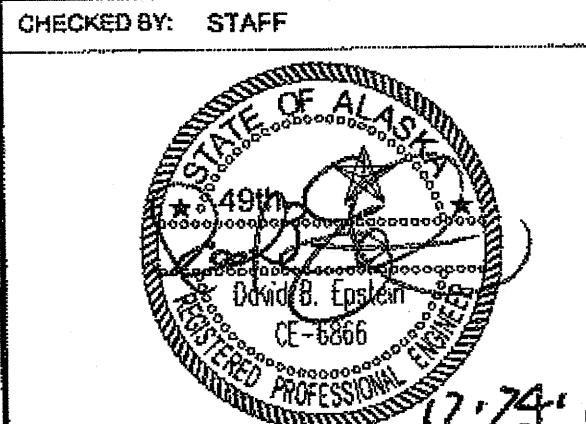
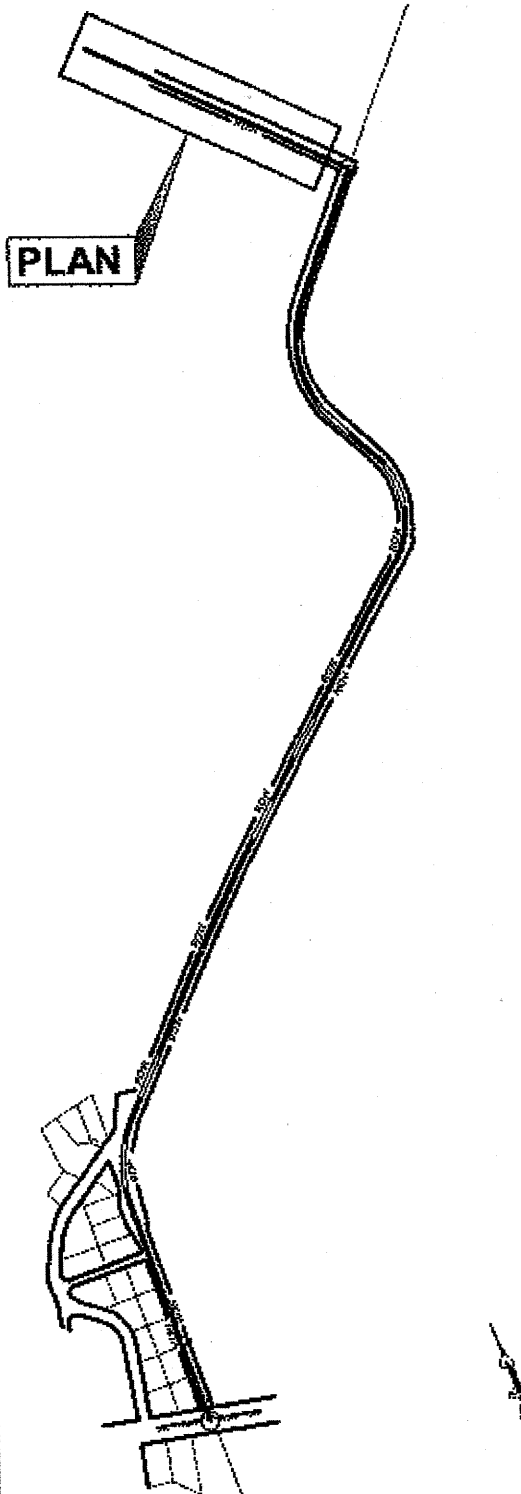
AS-BUILT PLANS

INITIALS *DW* DATE *1/20/13*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\POW\67439\PLANSET\67439_H1-H4 STRIPING.DWG		
GRANTHAM, RICK L (DOT)		
TAB: H4 Friday, December 21, 2012 11:21:34 AM		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



DESIGNED BY: D. BLACKBURN
DRAWN BY: R. GRANTHAM / D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

**POW-BIG SALT ROAD
PAVEMENT REHABILITATION
PROJECT #67439**

**SIGNING & STRIPING
PLANS**

PROJECT DESIGNATION
67439

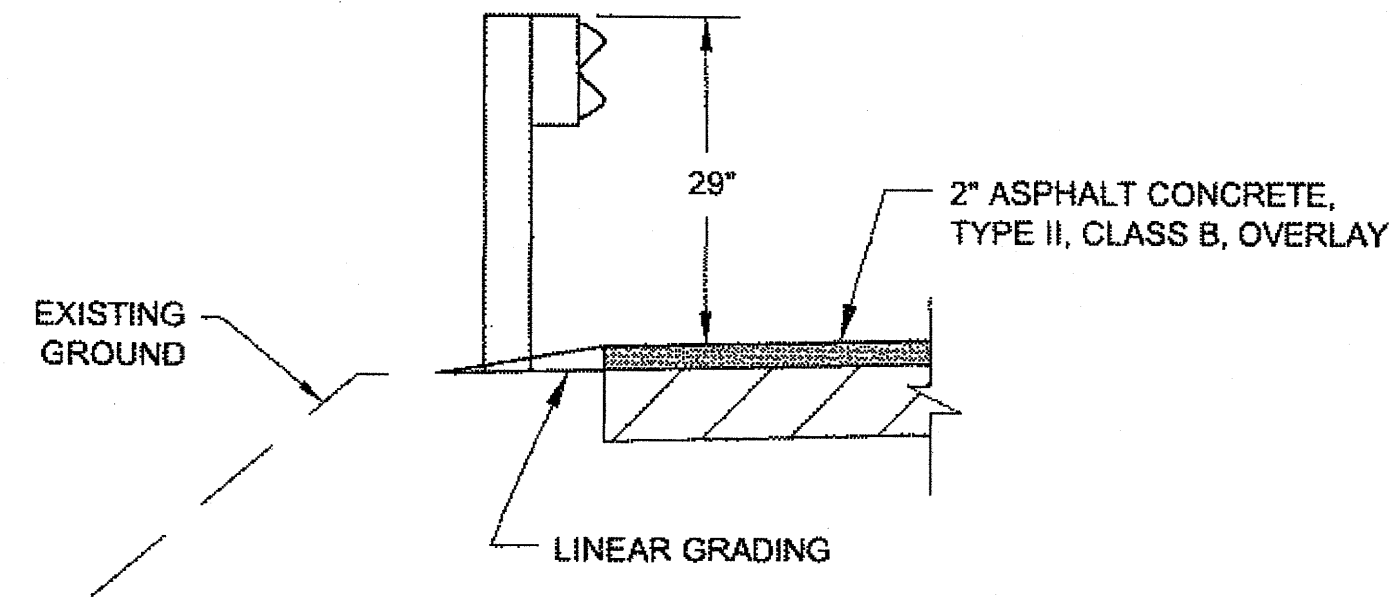
STATE YEAR
ALASKA 2012

SHEET NUMBER TOTAL SHEETS
H4 28

AS-BUILT PLANS

INITIALS *OW* DATE *11/20/13*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

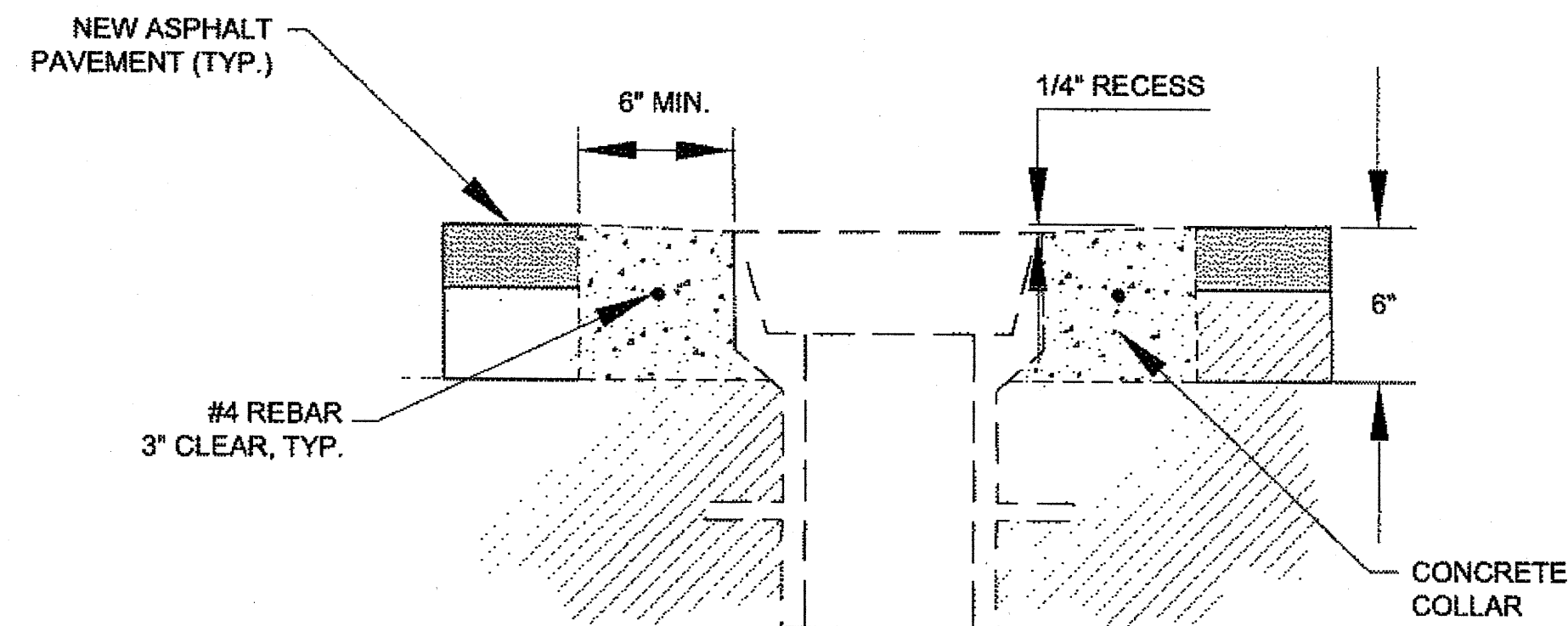


RAISING EXISTING GUARDRAIL DETAIL

N.T.S.

NOTE:

1. TRANSITIONS TO BRIDGE RAILING AND END TERMINALS TO REMAIN AT 27" HEIGHT. TRANSITION FROM 29" TO 27" OVER A LENGTH OF 25'.
2. INSTALL NEW GUARDRAIL AT 29 INCHES HIGH. ALL GUARDRAIL COMPONENTS AND INSTALLATION DETAILS ARE PER STANDARD DRAWINGS.

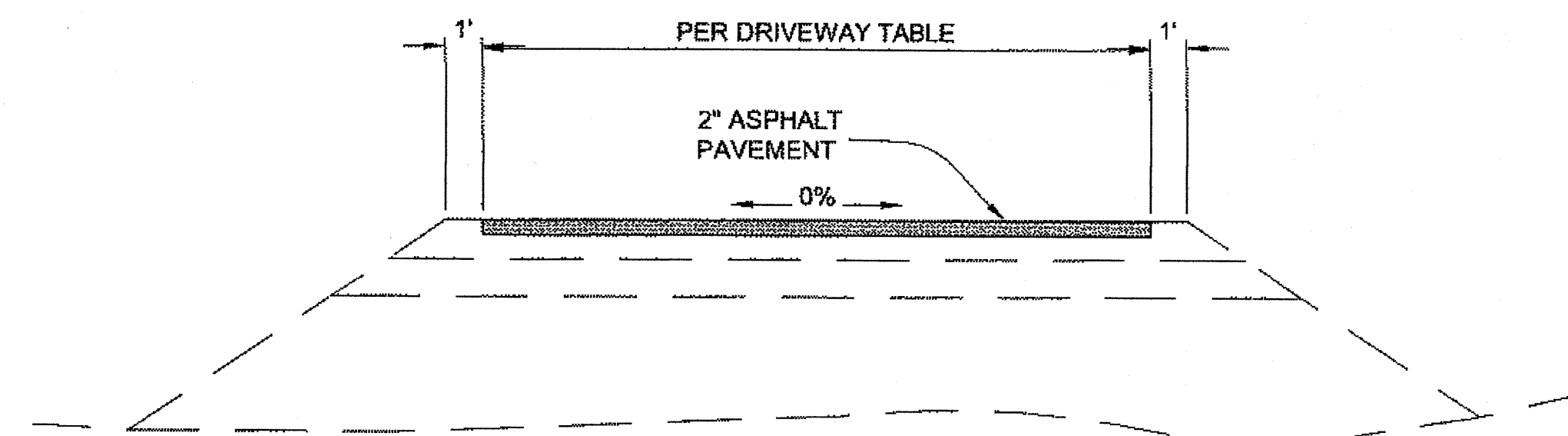


MONUMENT CASE ADJUSTMENT DETAIL

N.T.S.

NOTE:

1. FOR ADJUSTMENT IN GRAVEL SURFACES TO 9-P OF CASE IS 6 INCHES BELOW SURFACE.

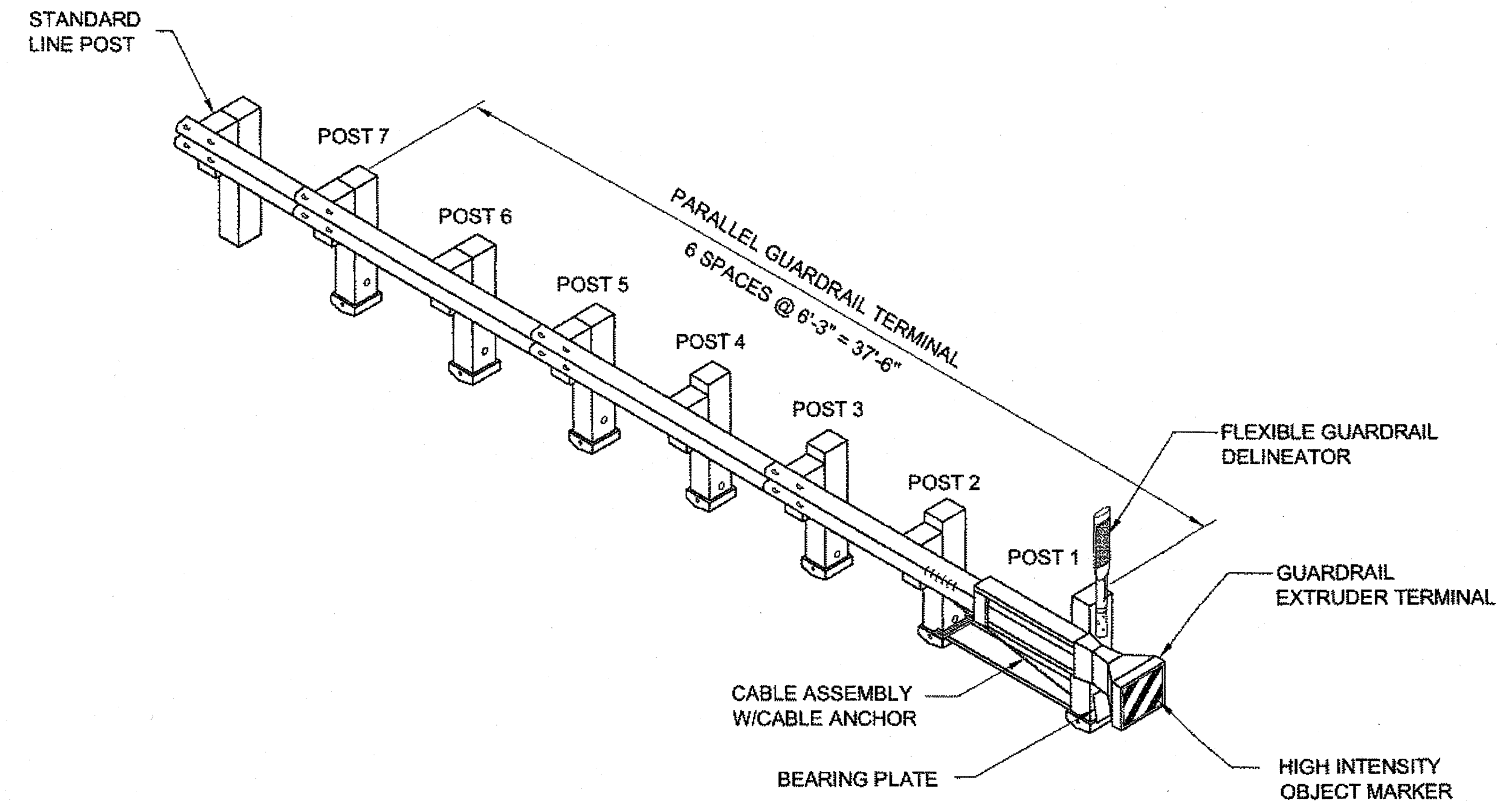


DRIVEWAY TYPICAL SECTION

N.T.S.

PARALLEL GUARDRAIL TERMINAL:

1. THE TERMINAL DETAILS SHOWN ARE FOR ILLUSTRATION ONLY. INSTALL TERMINAL SECTIONS ACCORDING TO MANUFACTURERS RECOMMENDATIONS.
2. SEE STD DWG. G-20.10 WIDENING FOR GUARDRAIL END TERMINAL. CONSTRUCT TERMINAL WITH END OFFSET OF 2.0' FROM NORMAL GUARDRAIL FACE.



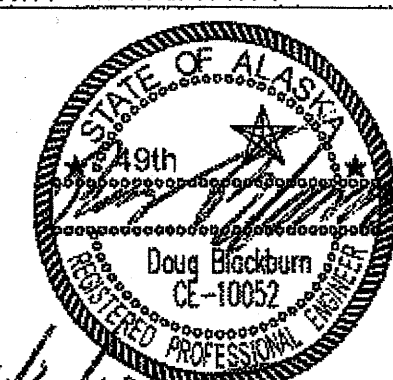
PARALLEL GUARDRAIL TERMINAL

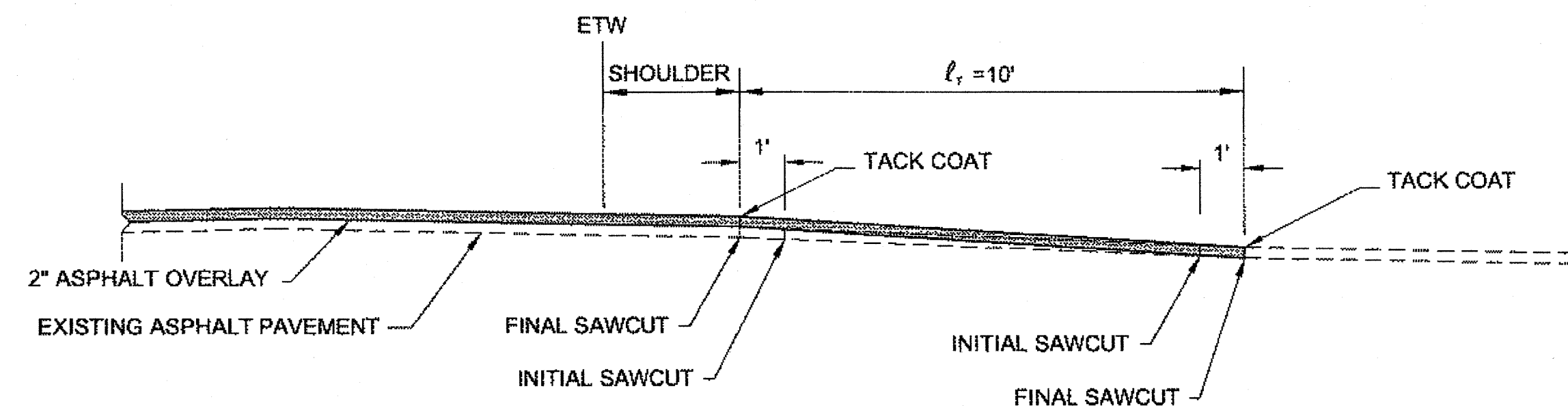
NTS

AS-BUILT PLANS

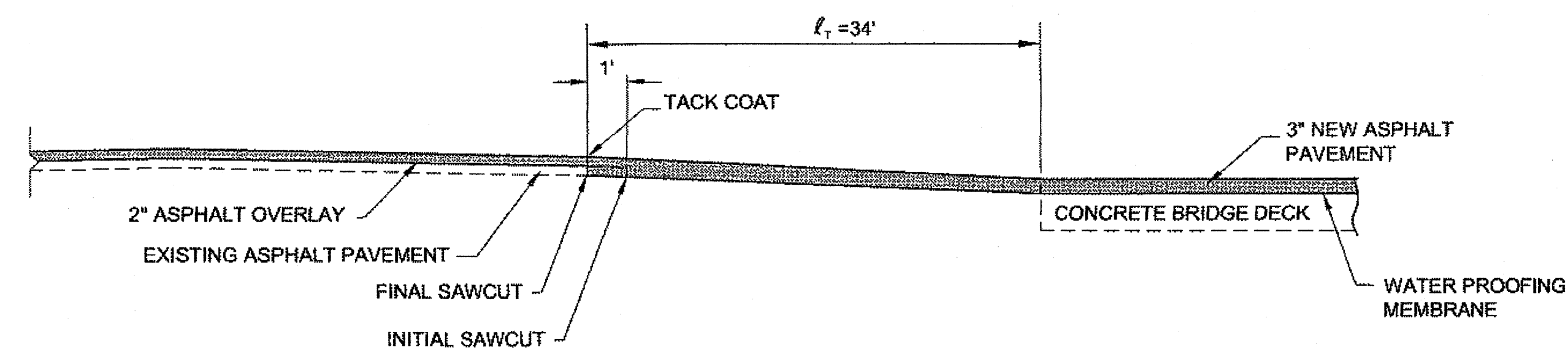
INITIALS *DW* DATE *11/20/13*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

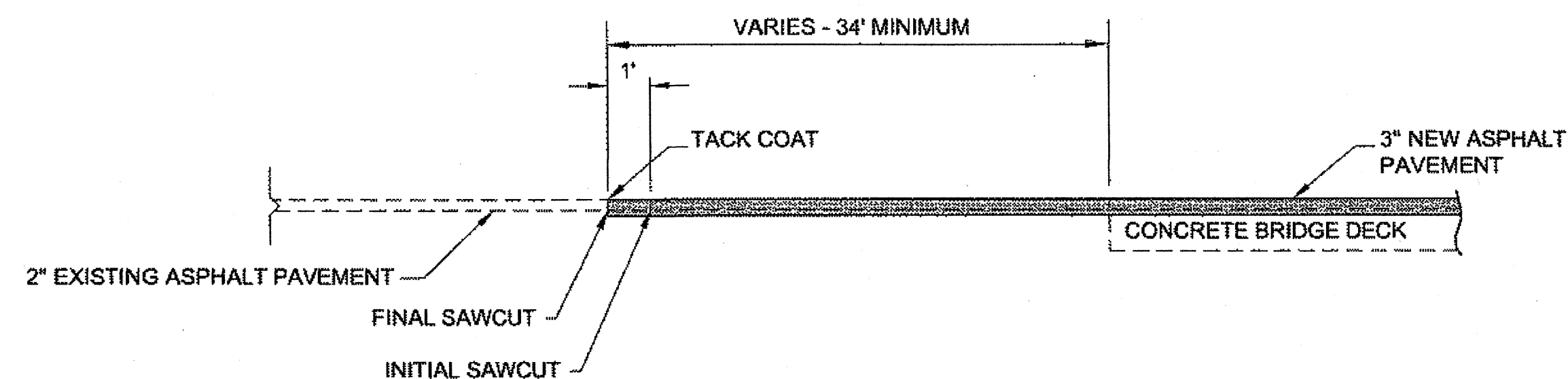
CHECKED BY: P. CARROLL  DESIGNED BY: D. BLACKBURN DRAWN BY: R. GRANTHAM		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION POW-BIG SALT ROAD PAVEMENT REHABILITATION PROJECT #67439 GUARDRAIL & MISCELLANEOUS DETAILS	
PATH: Q:\POW\67439\PLANSET\67439_J1-J2 DETAILS.DWG TAB: J1 Friday, December 21, 2012 3:53:14 PM GRANTHAM, RICK L (DOT)		PROJECT DESIGNATION 67439	
NO.	DATE	REVISIONS DESCRIPTION	YEAR 2012 SHEET NO. J1 TOTAL SHEETS 28



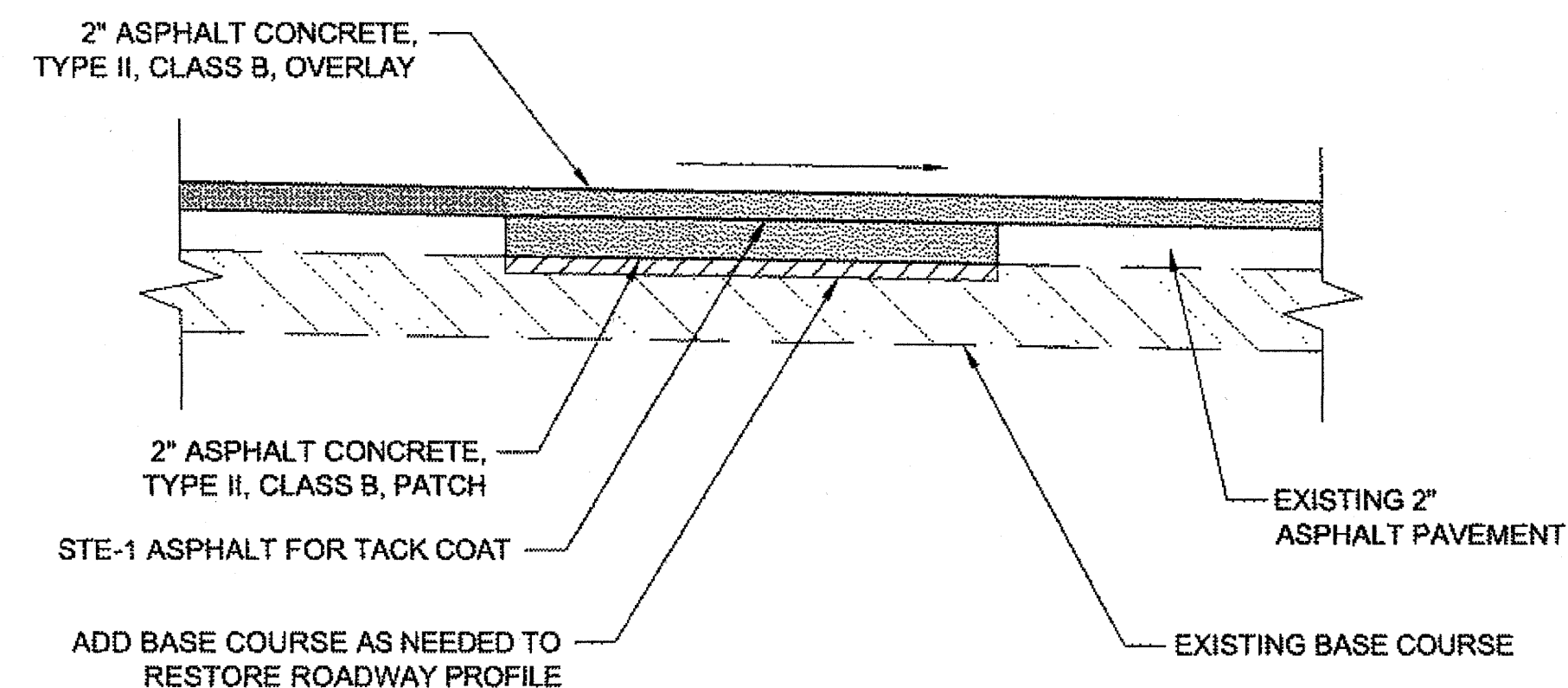
PAVEMENT TRANSITION AT INTERSECTIONS



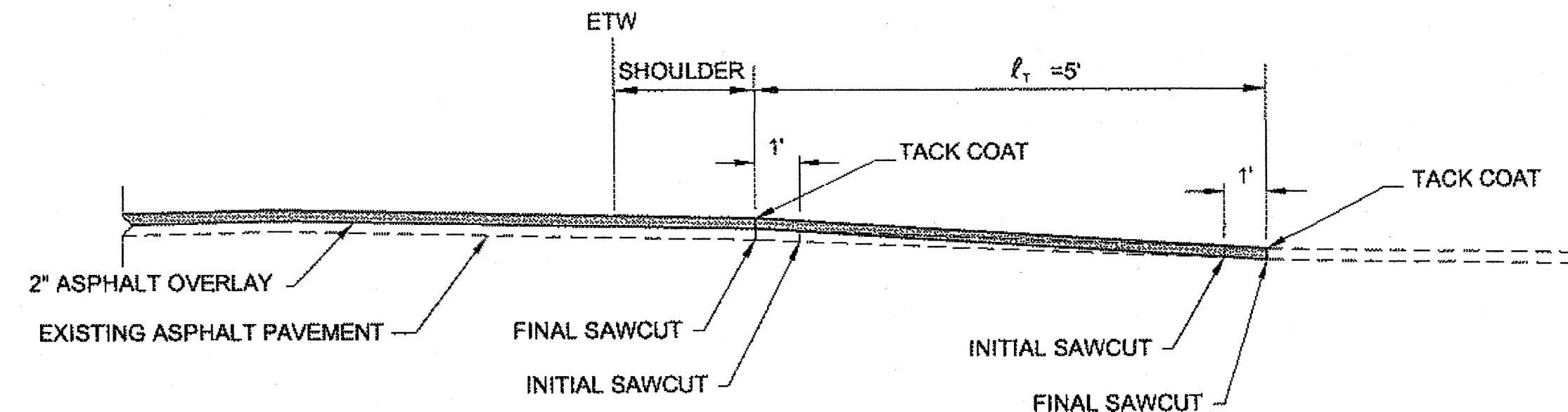
**PAVEMENT TRANSITION AT
BENNETT CREEK BRIDGE**



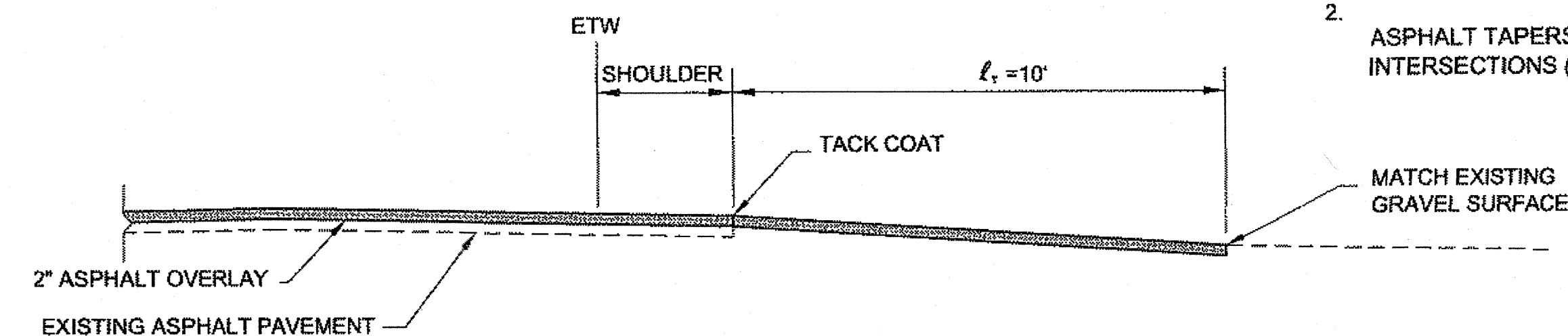
**PAVEMENT TRANSITION AT
LITTLE SALT LAKE CREEK BRIDGE
AND BLACK BEAR CREEK BRIDGE**



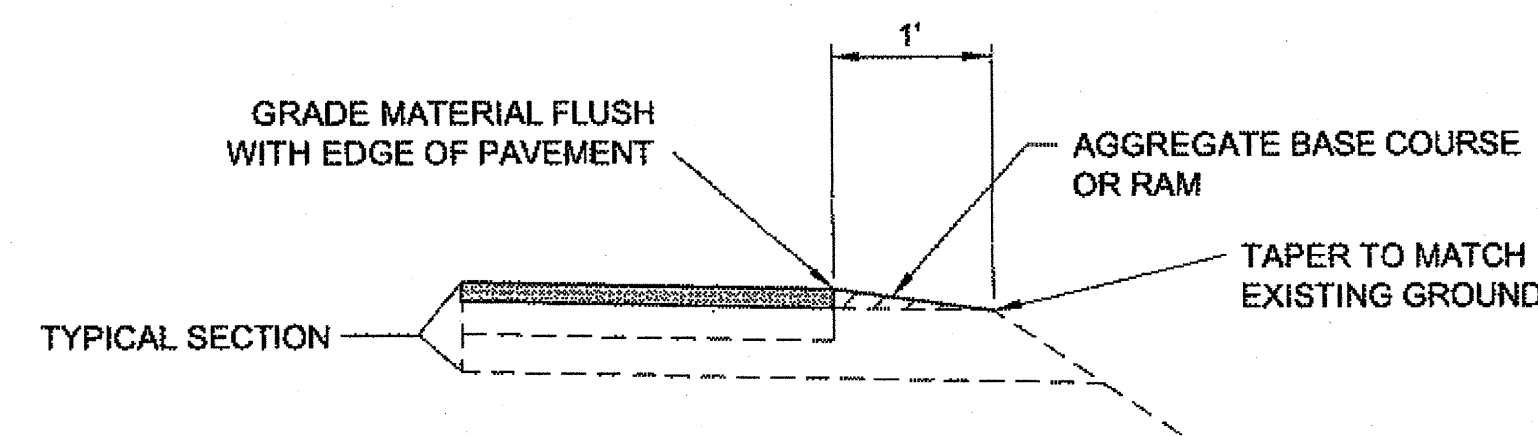
PAVEMENT PATCHING AREA



PAVEMENT TRANSITION AT PAVED DRIVEWAYS



PAVEMENT TRANSITION AT UN-PAVED DRIVEWAYS

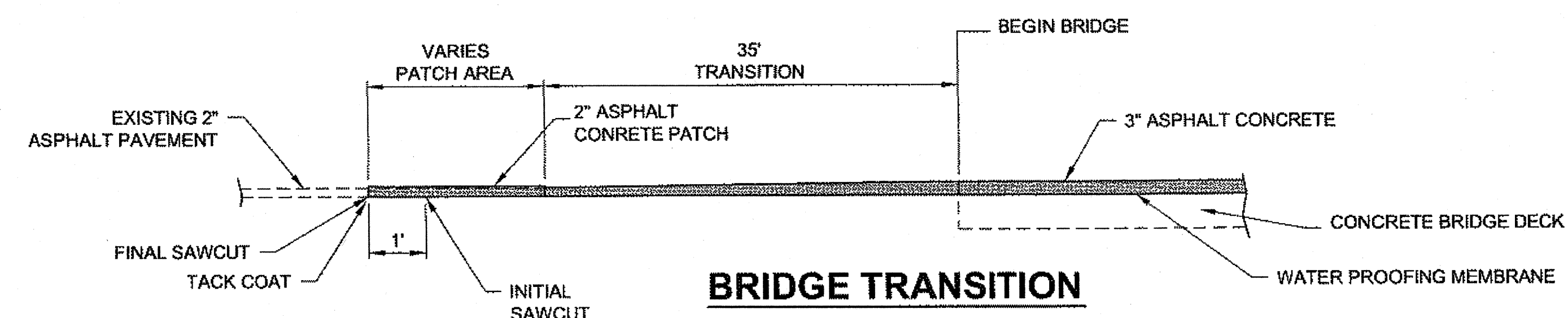


LINEAR GRADING

LEFT AND RIGHT EDGE OF PAVEMENT

NOTES:

1. LINEAR GRADING PAID FOR UNDER ITEM 303 (3).



BRIDGE TRANSITION

BLACK BEAR CREEK BRIDGE
LITTLE SALT CREEK BRIDGE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

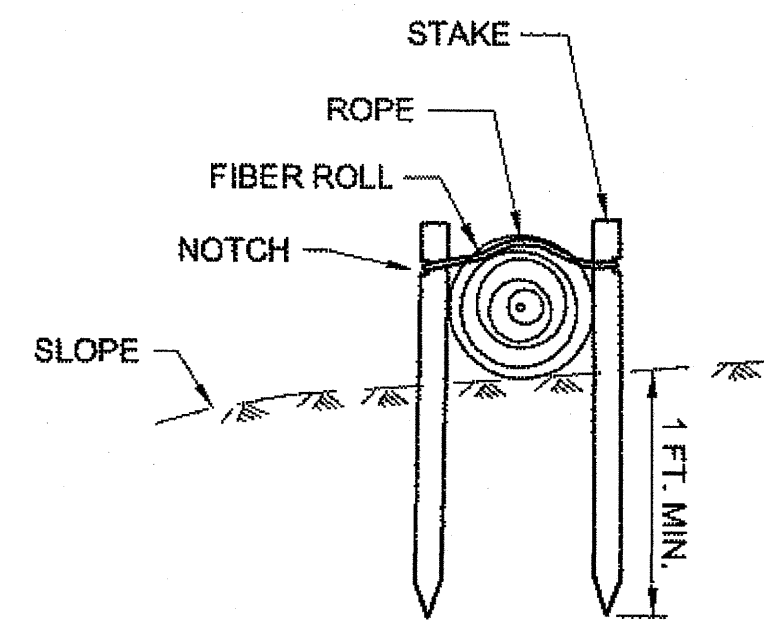
AS-BUILT PLANS

INITIALS *DW* DATE *11/20/13*

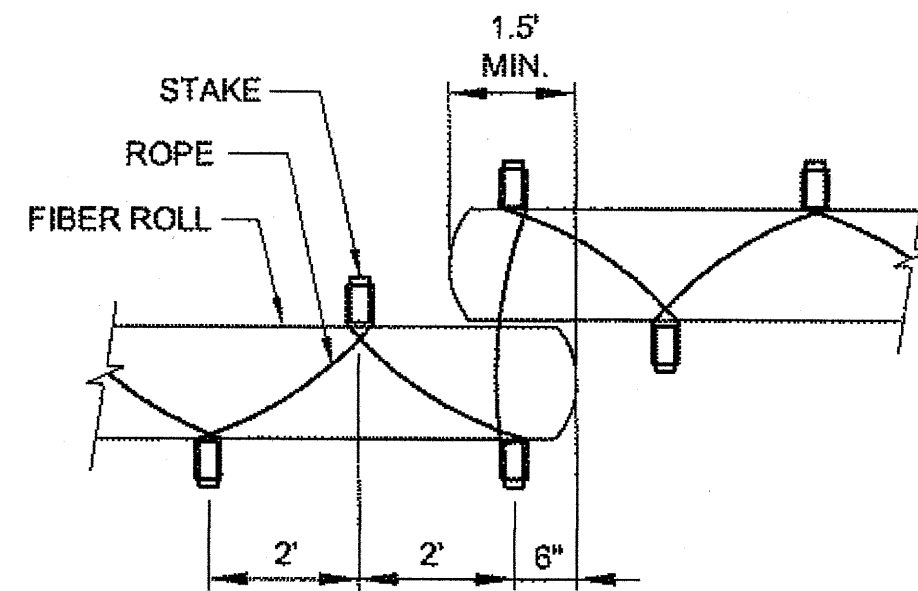
NOTE:

1. REMOVE PAVEMENT FULL DEPTH TO BASE COURSE WHERE SHOWN ON PLAN SET. COMPACT BASE AND ADD ADDITIONAL BASE COURSE AS NEEDED TO RESTORE GRADE OR TO COMPENSATE FOR PAVEMENT THICKNESS VARIATIONS. PATCH WITH 2" ASPHALT CONCRETE, TYPE II, CLASS B TO MATCH EXISTING PAVEMENT, OVERLAY WITH 2" ASPHALT CONCRETE, TYPE II, CLASS B.

CHECKED BY: P. CARROLL DESIGNED BY: D. BLACKBURN DRAWN BY: R. GRANTHAM		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION POW-BIG SALT ROAD PAVEMENT REHABILITATION PROJECT #67439 PAVEMENT DETAILS	
PATH: Q:\POW\67439\PLANSET\67439_J1-J3 DETAILS.DWG TAB: J2 Friday, December 21, 2012 11:43:06 AM GRANTHAM, RICK L (DOT)		PROJECT DESIGNATION 67439	YEAR 2012
NO.	DATE	REVISIONS DESCRIPTION	SHEET NO. J2
TOTAL SHEETS 28			

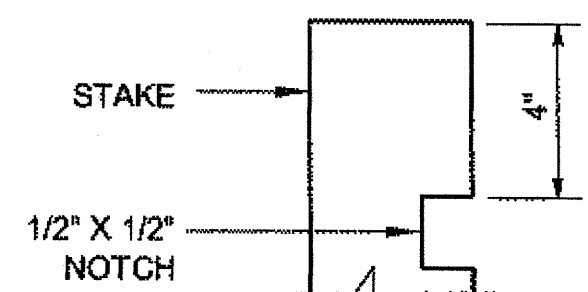


SECTION



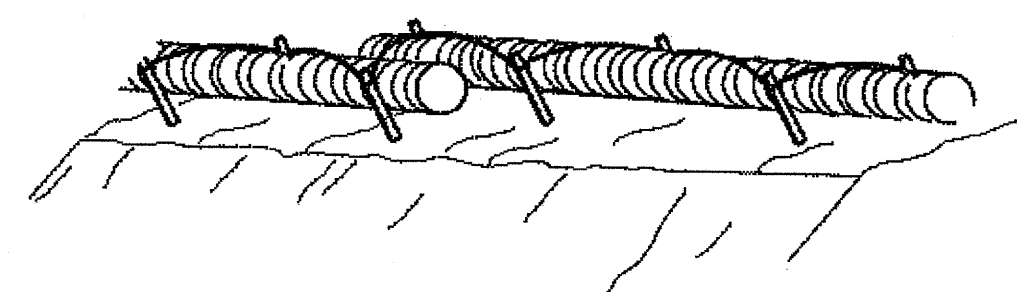
PLAN

FIBER ROLL (TYPE 2)



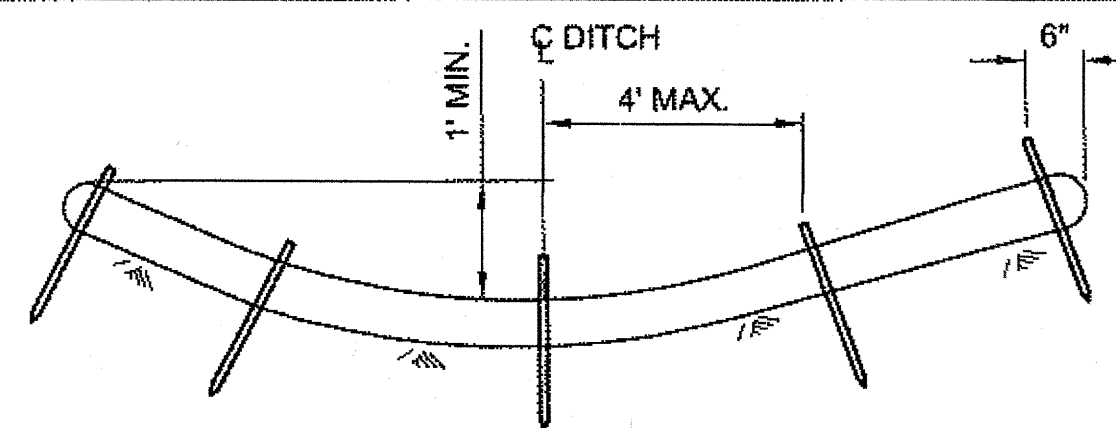
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TYPICAL FIBER ROLL DETAIL

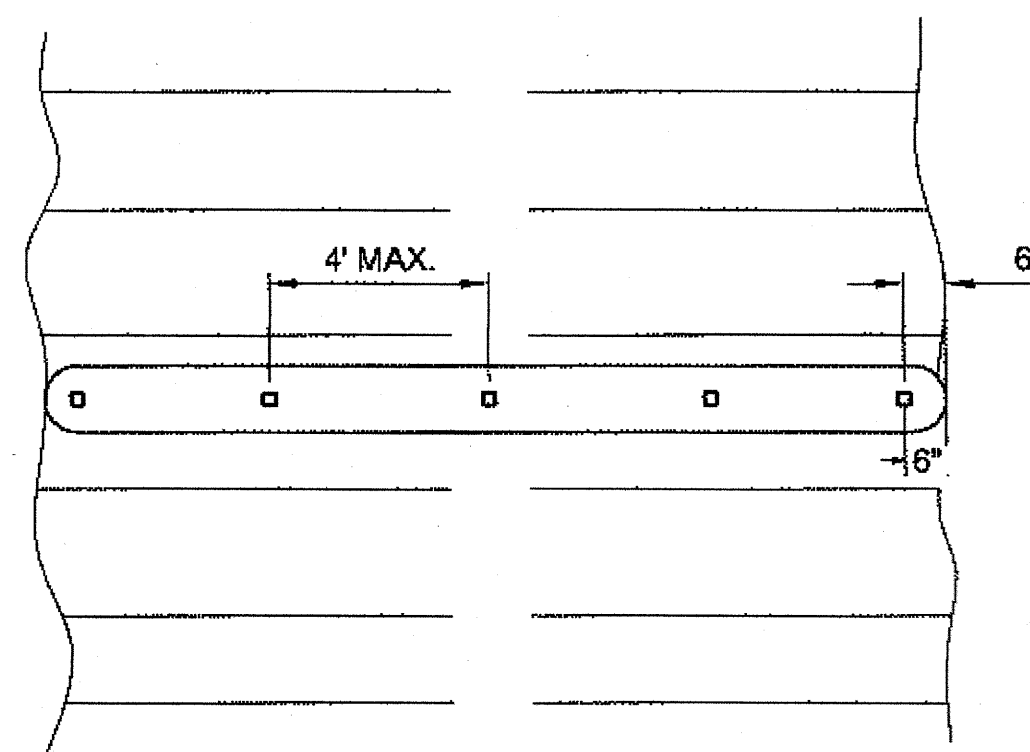


PERSPECTIVE

FIBER ROLL (TYPE 2)

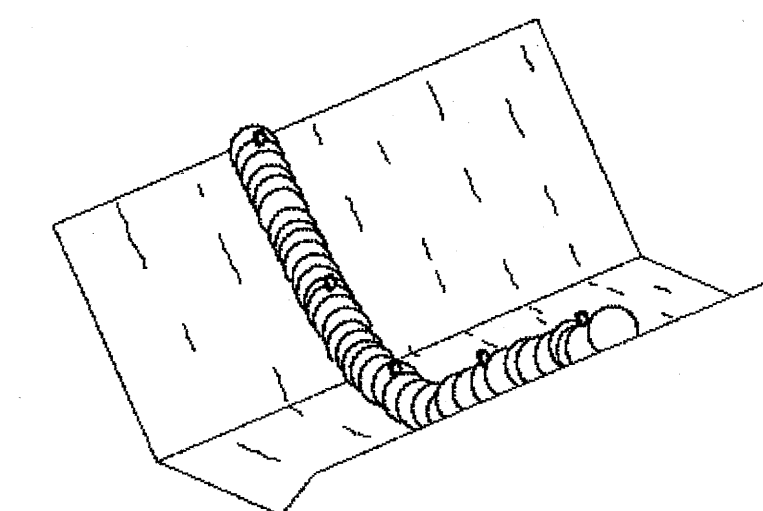


SECTION



PLAN

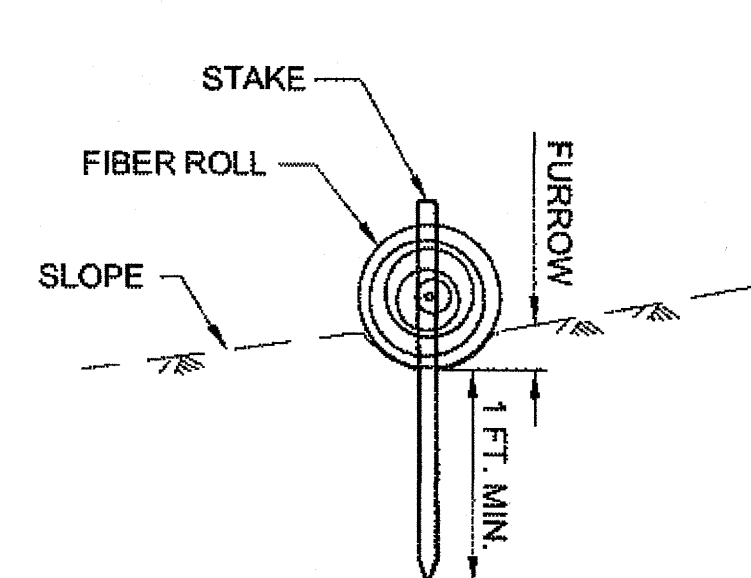
FIBER ROLL DITCH CHECK



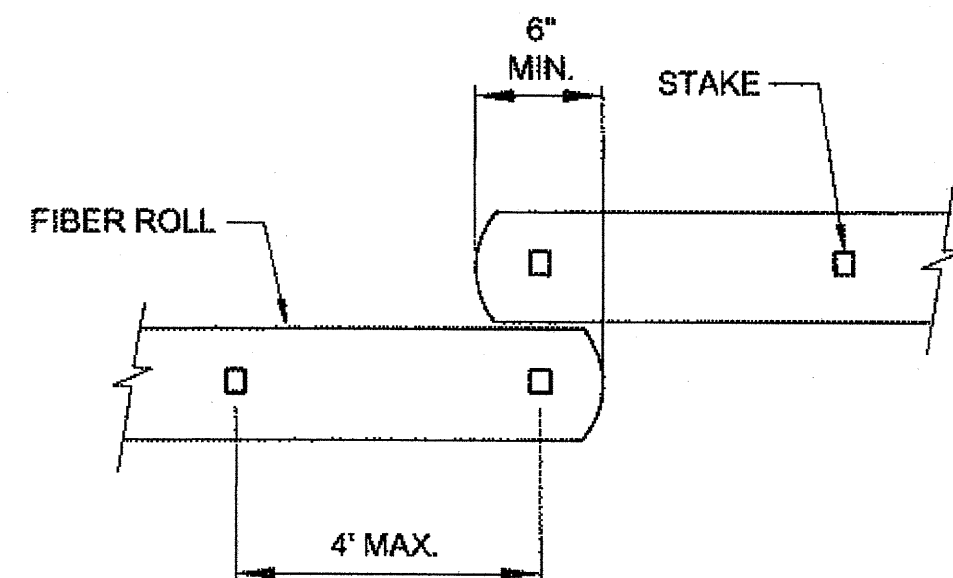
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AS-BUILT PLANS

INITIALS *DW* DATE *11/28/13*

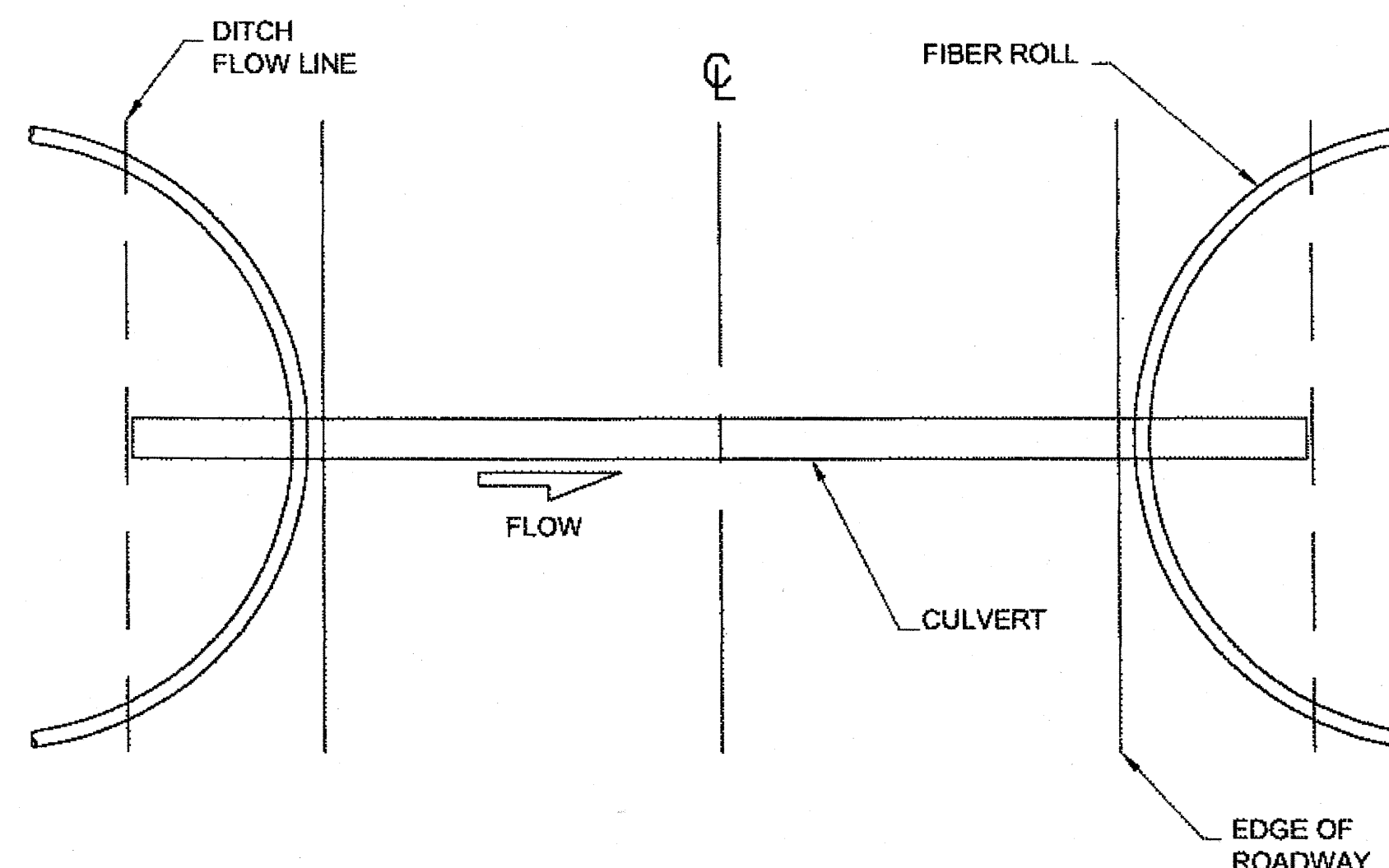


SECTION



PLAN

FIBER ROLL (TYPE 1)

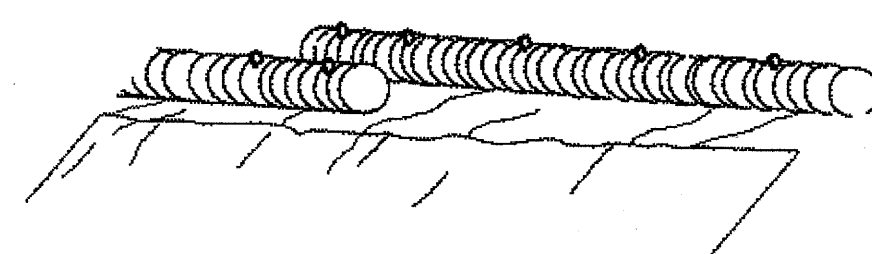


FIBER ROLL PLACEMENT AT CULVERTS

EARTH DISTURBING SUMMARY				
STATION	LENGTH (FT)	WIDTH (FT)	AREA (FT ²)	REMARKS
"B" 48+05	60	103	6,180	X-PIPE
"B" 65+00	60	88	5,280	X-PIPE
"B" 81+60	60	64	3,840	X-PIPE
"B" 91+50	60	64	3,840	X-PIPE
"B" 111+11	100	88	8,800	X-PIPE
"B" 113+84	60	88	5,280	X-PIPE
TOTAL:			0.76 ACRES	

GENERAL NOTES:

- REFER TO APPENDIX B OF THE SPECIAL PROVISIONS FOR THE ENVIRONMENTAL COMMITMENTS.
- EROSION CONTROL MEASURES WILL BE EVALUATED BY THE ENGINEER BASED ON EFFECTIVENESS. THOSE FOUND INEFFECTIVE MUST BE REPLACED OR REPAIRED WITHIN 24 HOURS FOLLOWING NOTIFICATION.
- THE LOCATIONS OF TEMPORARY EROSION & SEDIMENT POLLUTION CONTROLS ARE RECOMMENDATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE AND IMPLEMENT A WQCP ACCORDING TO SECTION 641 OF THE SPECS.
- INSTALL EROSION AND SEDIMENT CONTROL DEVICES BEFORE BEGINNING EARTH DISTURBING ACTIVITIES OR AS SPECIFIED ELSEWHERE.
- MAINTAIN DEVICES. MONITOR DAILY. REMOVE SEDIMENT FROM SEDIMENT TRAPS WHEN 4" OF SEDIMENT HAS ACCUMULATED.
- THE LOCATION AND LENGTH OF FIBER ROLLS IS DEPENDENT ON THE CONDITIONS OF THE SITE.
- ANCHOR AS NECESSARY TO FIRMLY SECURE FIBER ROLLS AND PROVIDE CONTINUOUS CONTACT WITH THE SURFACE ON WHICH IT IS INSTALLED.
- LAP ADJACENT FIBER ROLLS TO PREVENT SEDIMENT BYPASS.

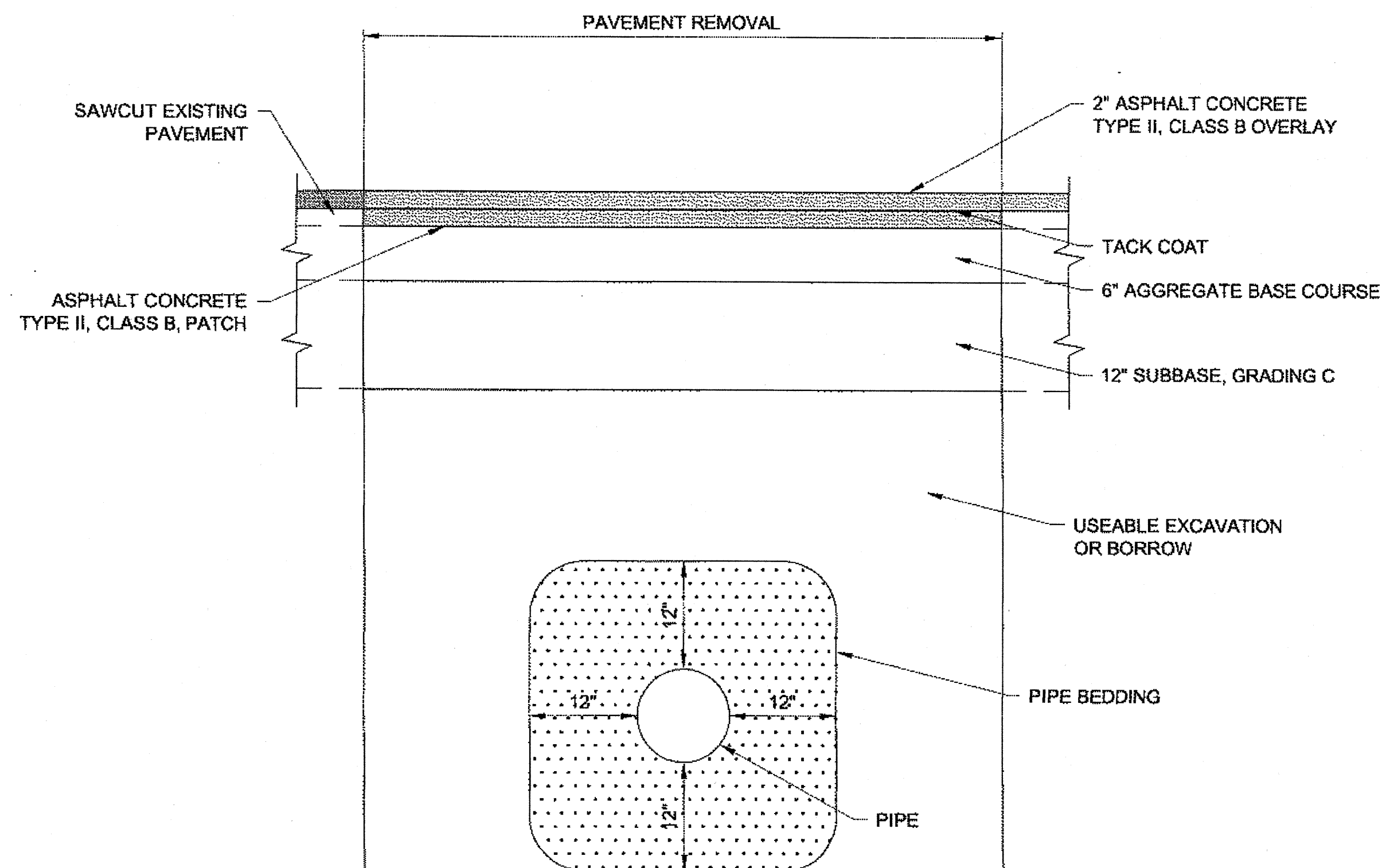


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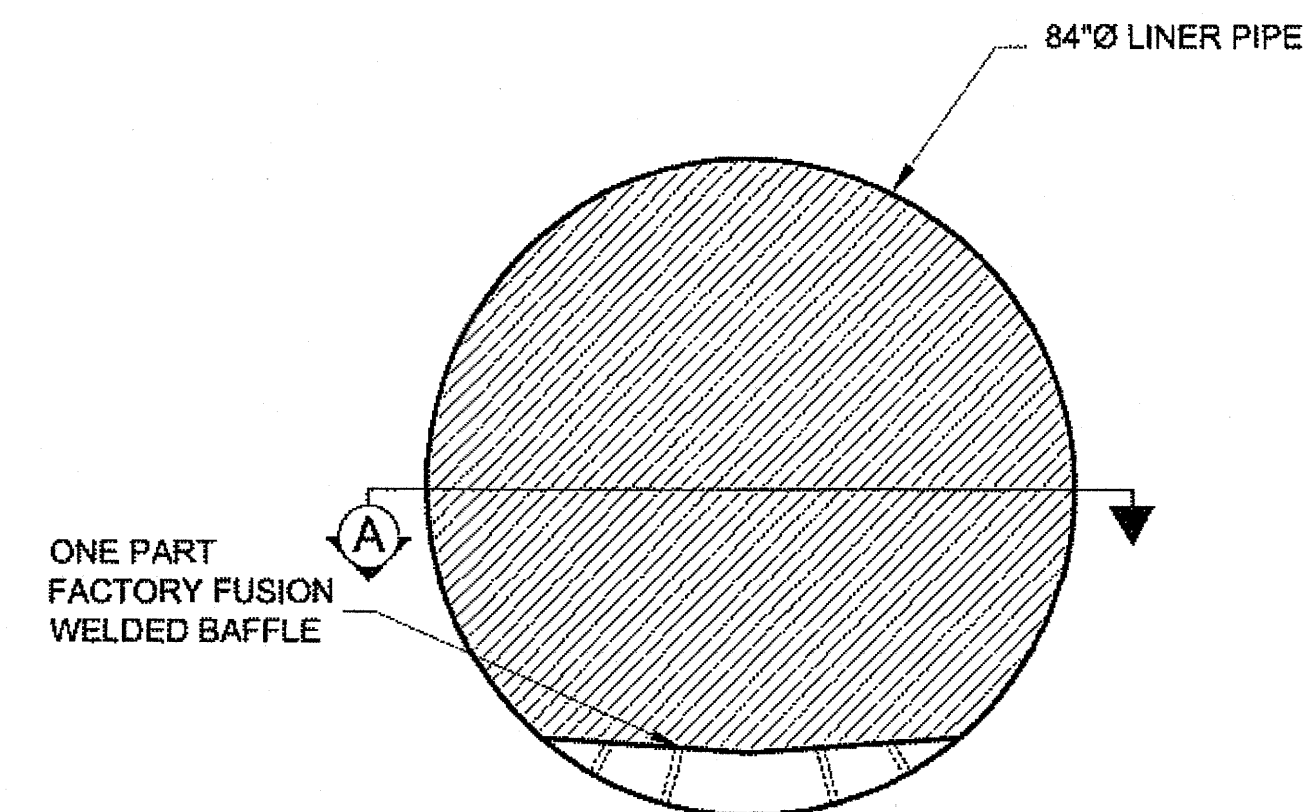
FIBER ROLL (TYPE 1)

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

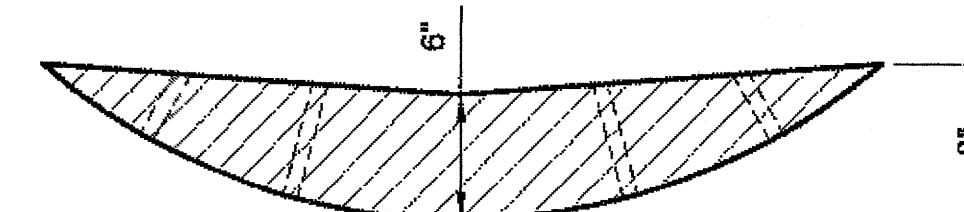
CHECKED BY: P. CARROLL 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: D. BLACKBURN DRAWN BY: R. GRANTHAM		POW-BIG SALT ROAD PAVEMENT REHABILITATION PROJECT #67439	
PATH: Q:\POW\67439\PLANSET\67439_J3-J4 ESCP DETS.DWG TAB: J3 Friday, December 21, 2012 11:46:23 AM GRANTHAM, RICK L (DOT)		EROSION & SEDIMENT CONTROL DETAILS	
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 67439	YEAR 2012
		SHEET NO. J3	TOTAL SHEETS 28



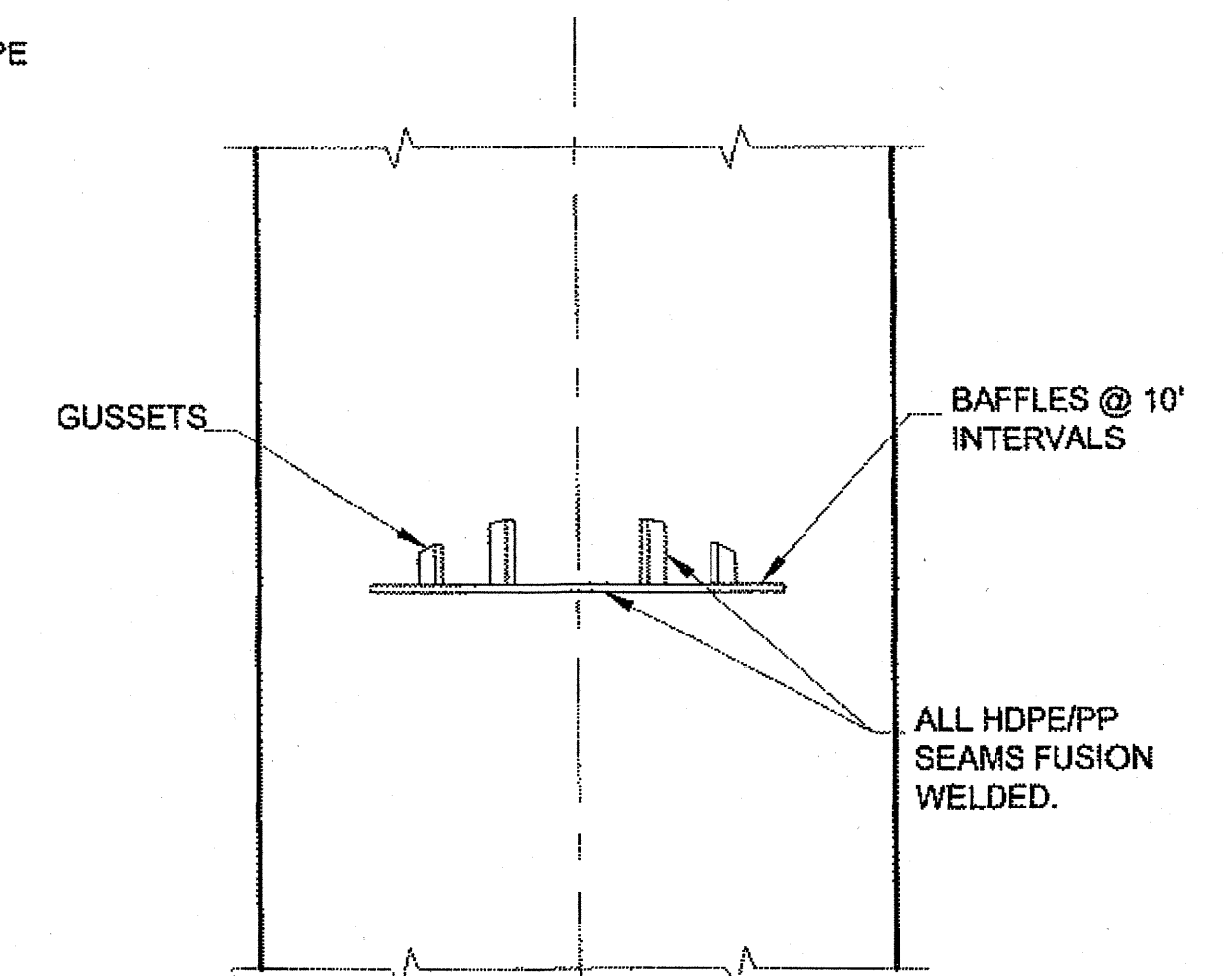
PIPE BEDDING DETAIL



LINER PIPE WITH ONE-PIECE BAFFLE ASSEMBLY



P-1 BAFFLE DETAIL



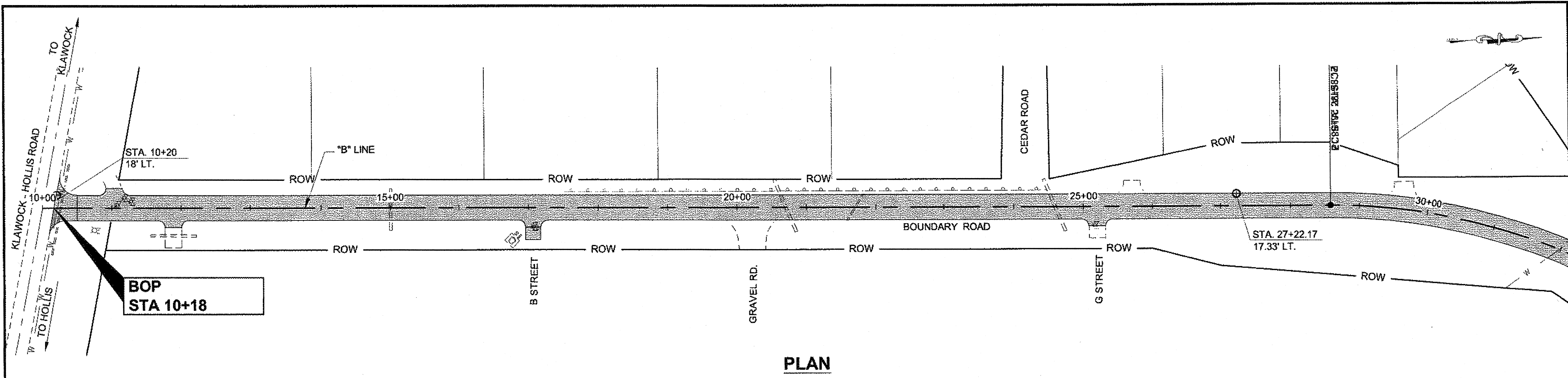
- BAFFLE NOTES:**
1. ALL BAFFLES AND GUSSETS SHALL BE MANUFACTURED FROM 1/2" HDPE OR PP SHEET MATERIAL.
 2. EACH BAFFLE SHALL HAVE A MINIMUM OF 4 BRACES.
 3. ALL DIMENSIONS ON THIS SHEET ARE NOMINAL-BAFFLES SHALL BE MANUFACTURED TO FIT PARTICULAR PIPE.
 4. BAFFLE-PIPE INTERFACE SHALL BE WATER-TIGHT.
 5. BAFFLES @ 10' INTERVALS.
 6. SALVAGE EXISTING BASE & SUBBASE. USE MATERIAL FOR A 6 INCH TOP COURSE AT TEMPORARY PIPE CROSSINGS.

AS-BUILT PLANS

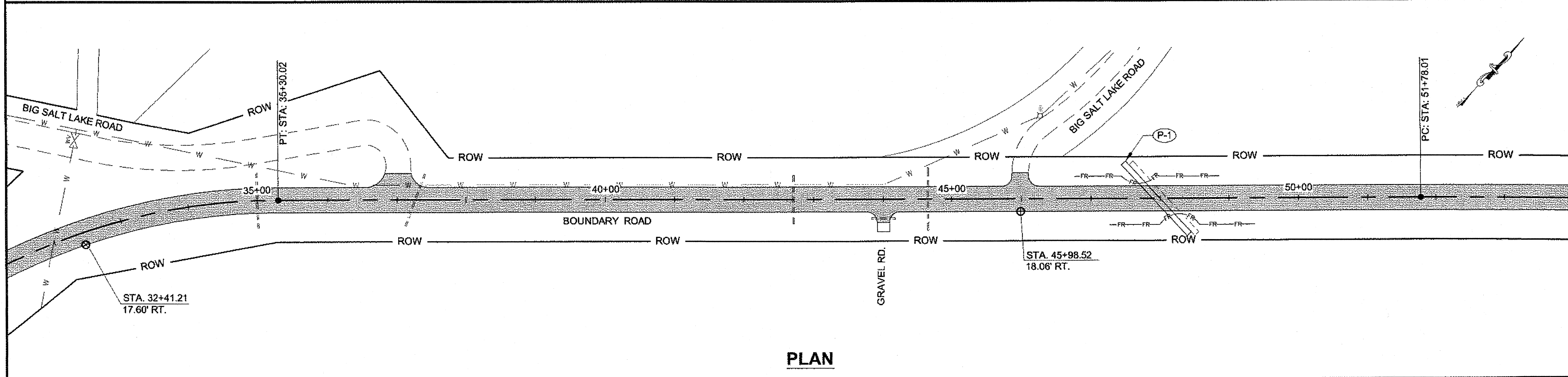
INITIALS DW DATE 11/20/13

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

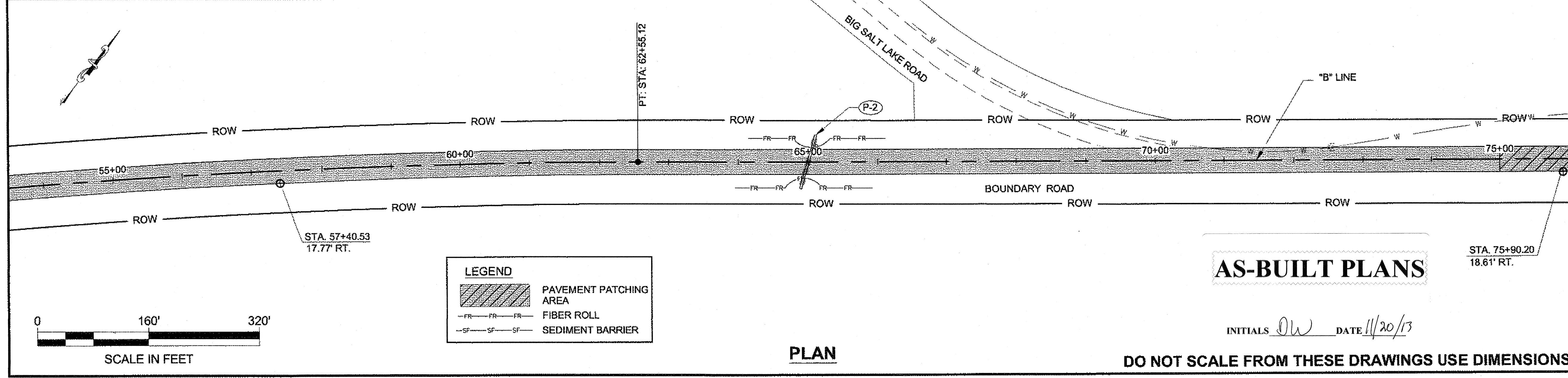
CHECKED BY: P. CARROLL 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION POW-BIG SALT ROAD PAVEMENT REHABILITATION PROJECT #67439															
DESIGNED BY: D. BLACKBURN DRAWN BY: R. GRANTHAM		STORM PIPE DETAILS															
PATH: Q:\POW\67439\PLANSET\67439_J3-J4 ESCP DETS.DWG TAB: J4 Friday, December 21, 2012 3:54:35 PM GRANTHAM, RICK L (DOT)																	
<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DATE	REVISIONS				<table border="1"> <thead> <tr> <th>PROJECT DESIGNATION</th> <th>YEAR</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> </thead> <tbody> <tr> <td>67439</td> <td>2012</td> <td>J4</td> <td>28</td> </tr> </tbody> </table>		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	67439	2012	J4	28
NO.	DATE	REVISIONS															
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS														
67439	2012	J4	28														



PLAN



PLAN



PLAN

PATH: Q:\POW67439\PLANSET\67439_P1-P4 ESCP.DWG

GRANTHAM, RICK L (DOT)

TAB: P1 Friday, December 21, 2012 12:00:35 PM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PLAN LEGEND

CHECKED BY: STAFF

DESIGNED BY: D. BLACKBURN

DRAWN BY: B. BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

12/21/12

POW-BIG SALT ROAD
PAVEMENT REHABILITATION
PROJECT #67439

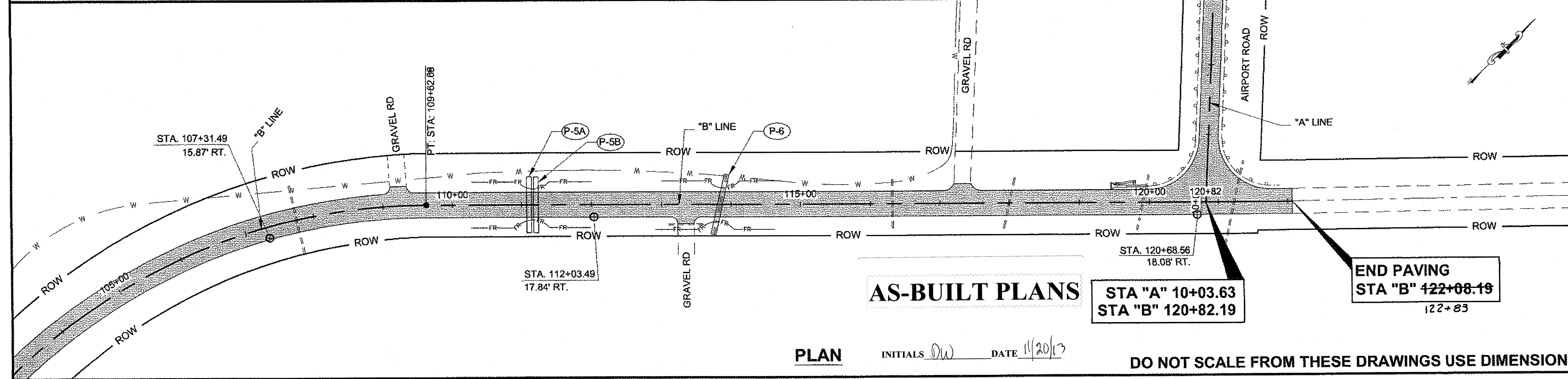
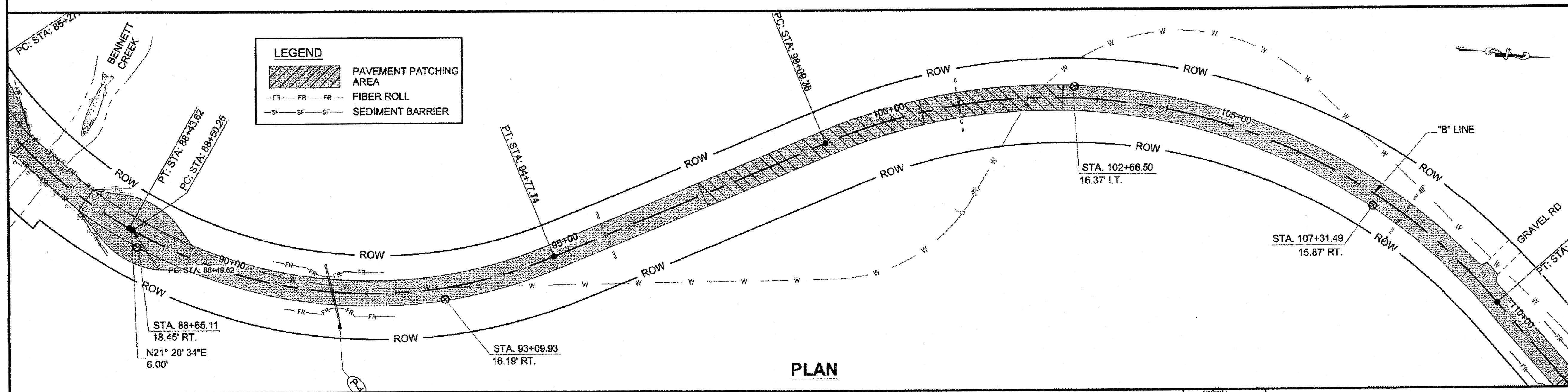
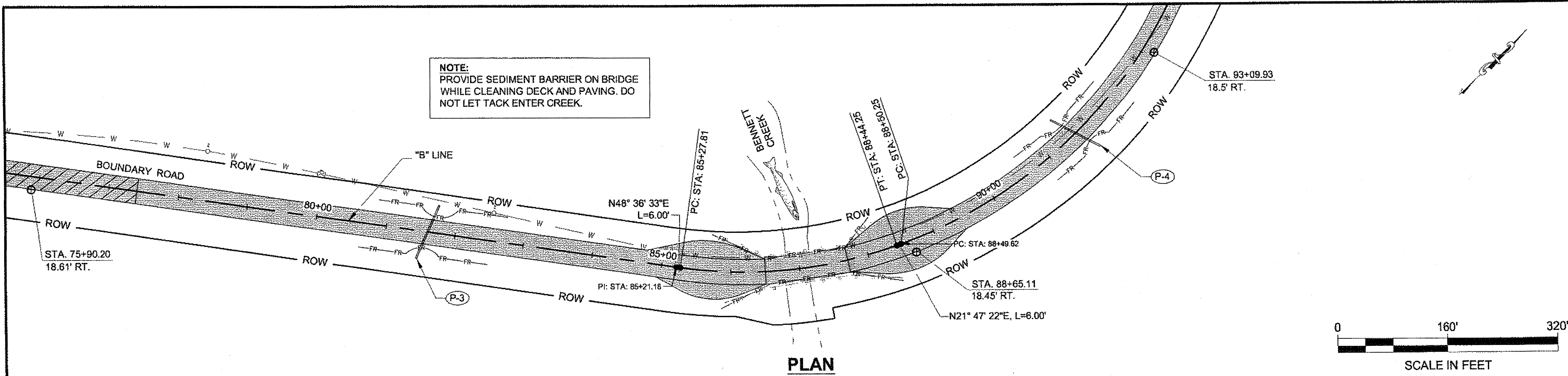
**EROSION & SEDIMENT
CONTROL PLANS**

PROJECT DESIGNATION

67439

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
P1	28



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GRANTHAM, RICK L (DOT)

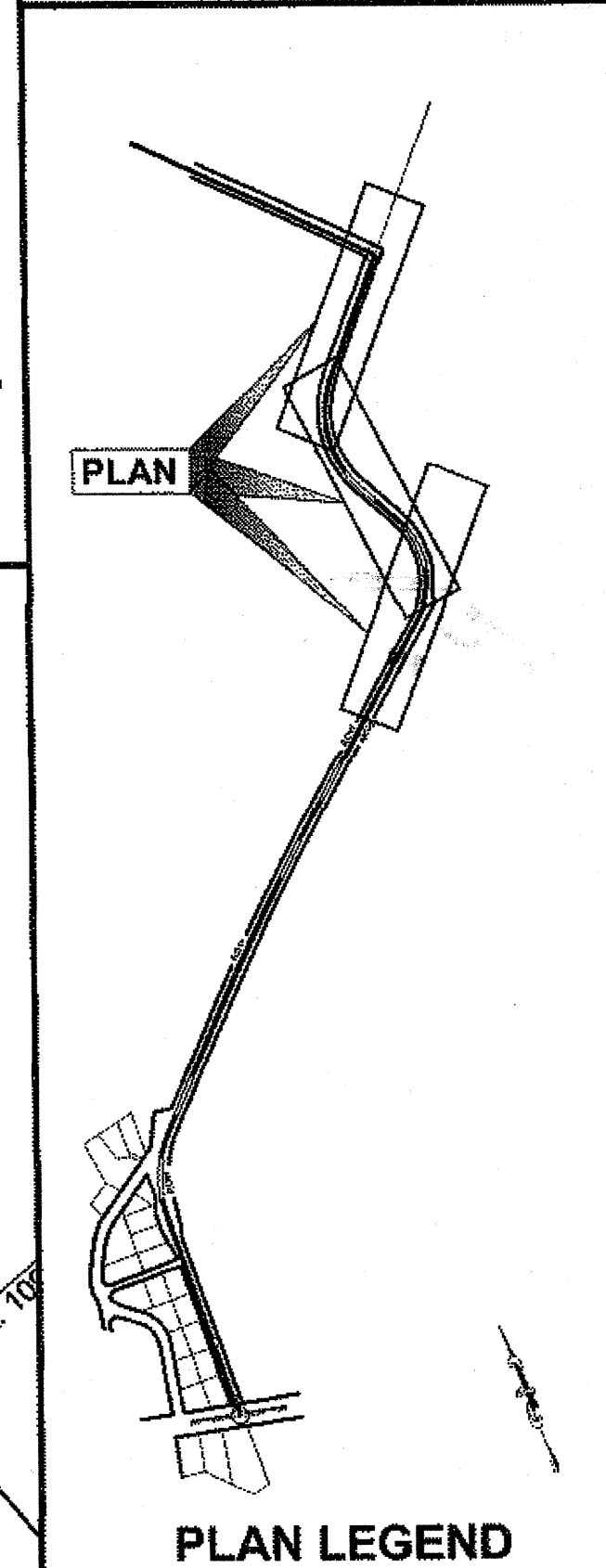
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: STAFF

12/21/12

DESIGNED BY: D. BLACKBURN

DRAWN BY: B. BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

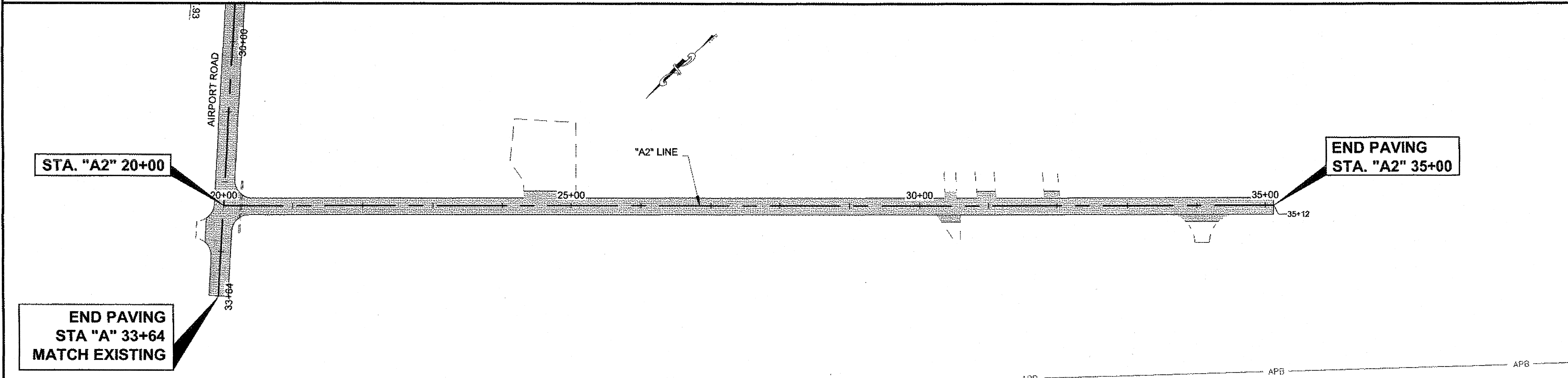
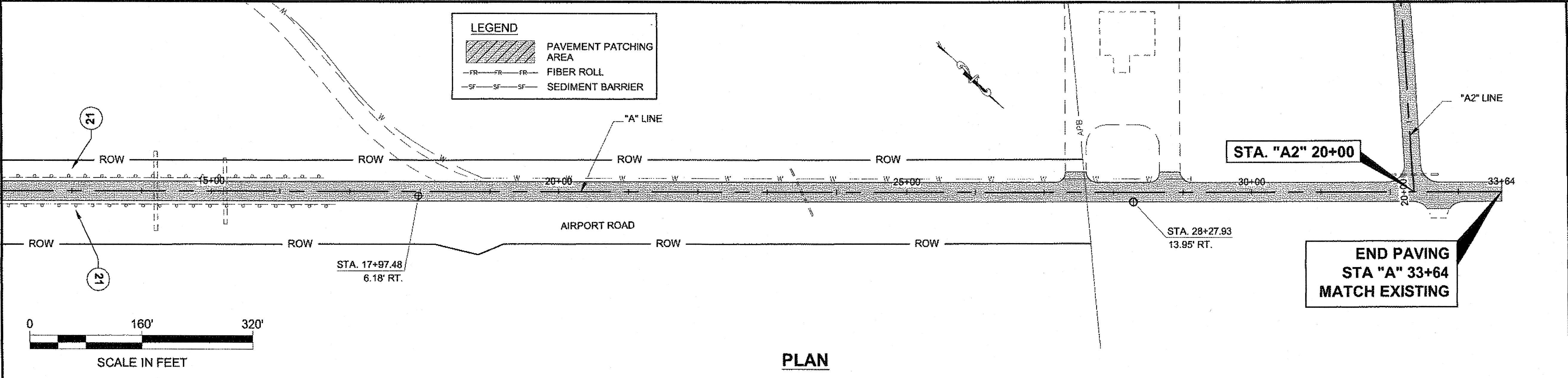
POW-BIG SALT ROAD
PAVEMENT REHABILITATION
PROJECT #67439

EROSION & SEDIMENT
CONTROL PLANS

PROJECT DESIGNATION
67439

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
P2	28



PATH:
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GRANTHAM, RICK L (DOT)

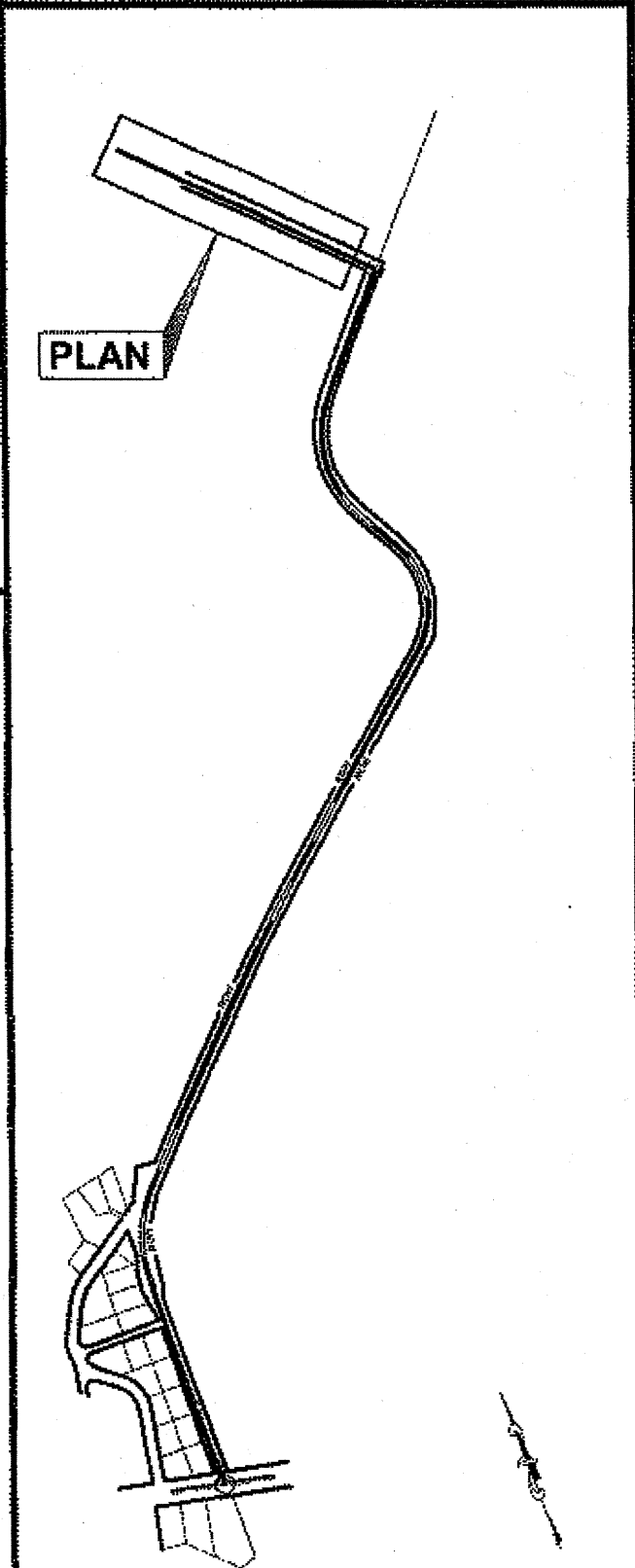
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: STAFF

DESIGNED BY: D. BLACKBURN

DRAWN BY: R. GRANTHAM / D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

POW-BIG SALT ROAD
PAVEMENT REHABILITATION
PROJECT #67439

**EROSION & SEDIMENT
CONTROL PLANS**

PROJECT DESIGNATION
67439

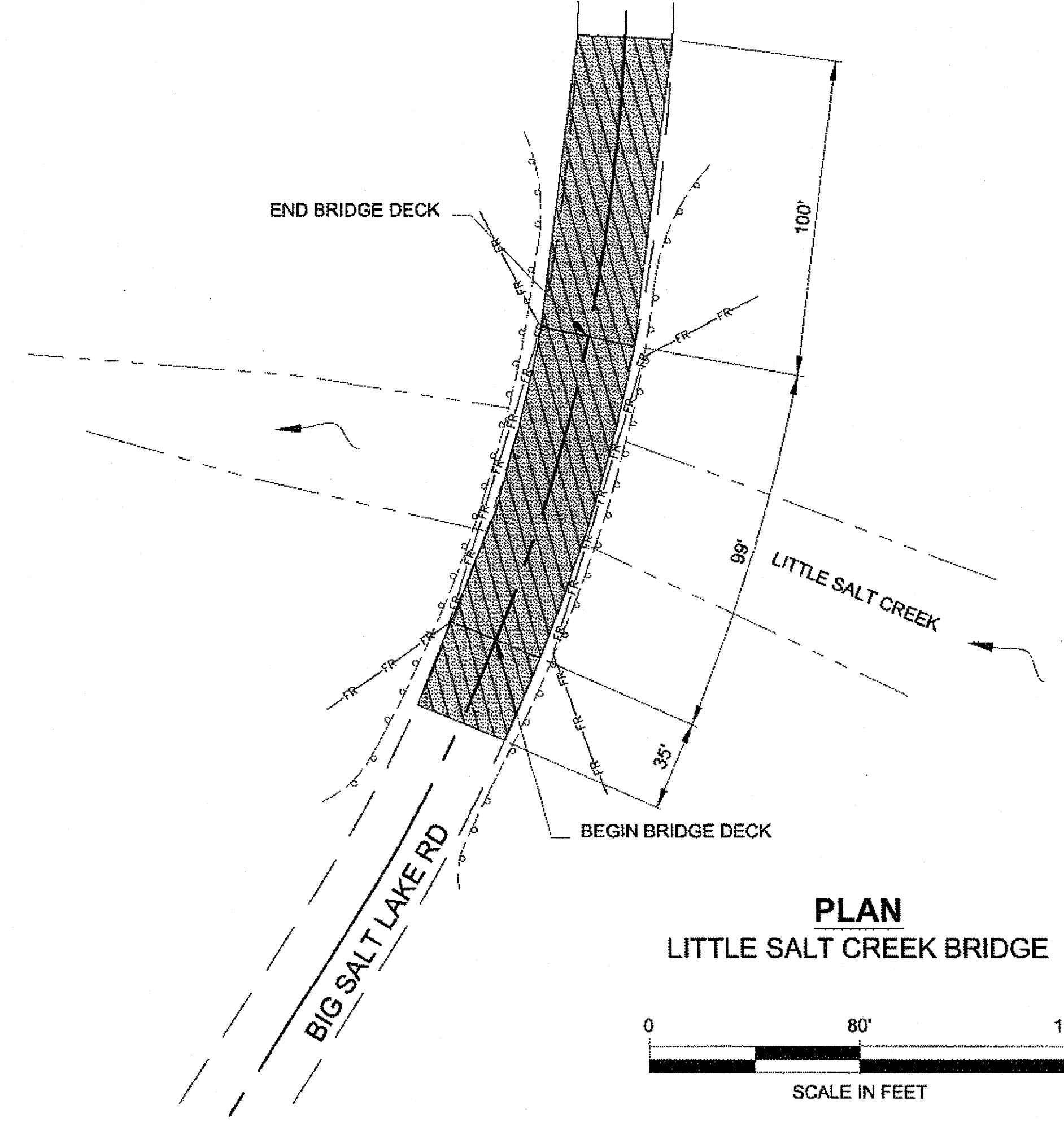
STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
P3	28

AS-BUILT PLANS

INITIALS DW DATE 11/20/13

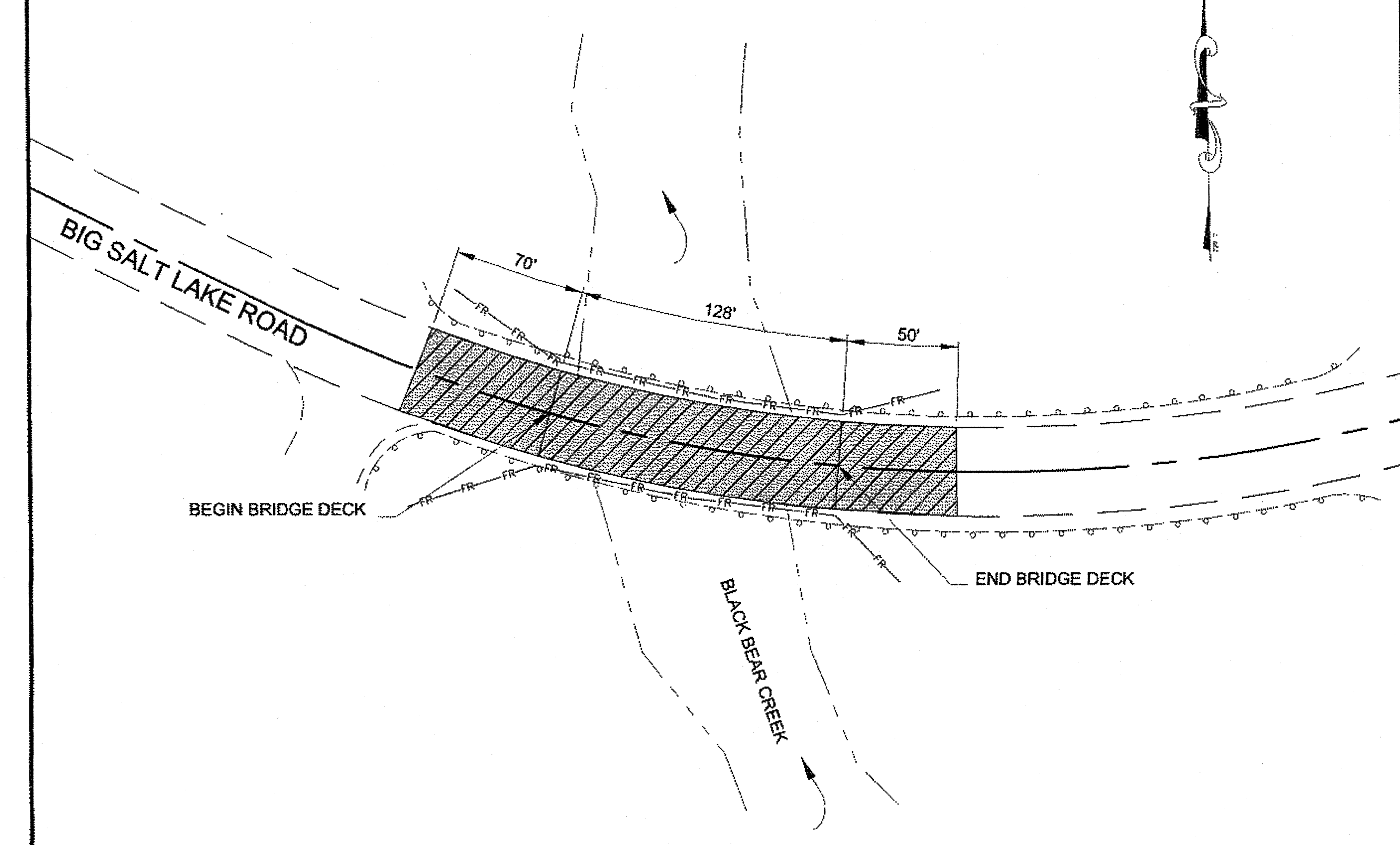
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PLAN
LITTLE SALT CREEK BRIDGE

0 80' 160'
SCALE IN FEET

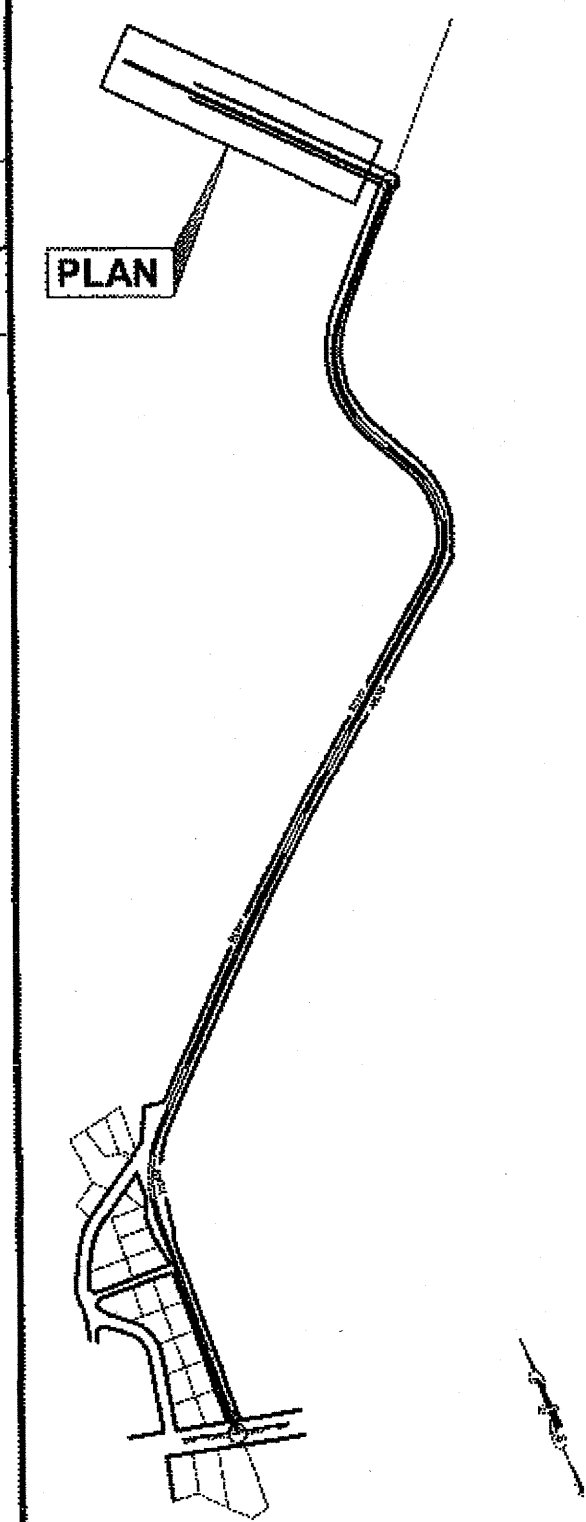
LEGEND	
	PAVEMENT PATCHING AREA
	FIBER ROLL
	SEDIMENT BARRIER



PLAN
BLACK BEAR CREEK BRIDGE

0 80' 160'
SCALE IN FEET

PATH: Q:\POW67439\PLANSET\67439_P1-P4 ESCP.DWG		
GRANTHAM, RICK L (DOT)		
TAB: P4	Friday, December 21, 2012 4:00:17 PM	
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY:	STAFF
DESIGNED BY:	D. BLACKBURN
DRAWN BY:	R. GRANTHAM / D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

**POW-BIG SALT ROAD
PAVEMENT REHABILITATION
PROJECT #67439**

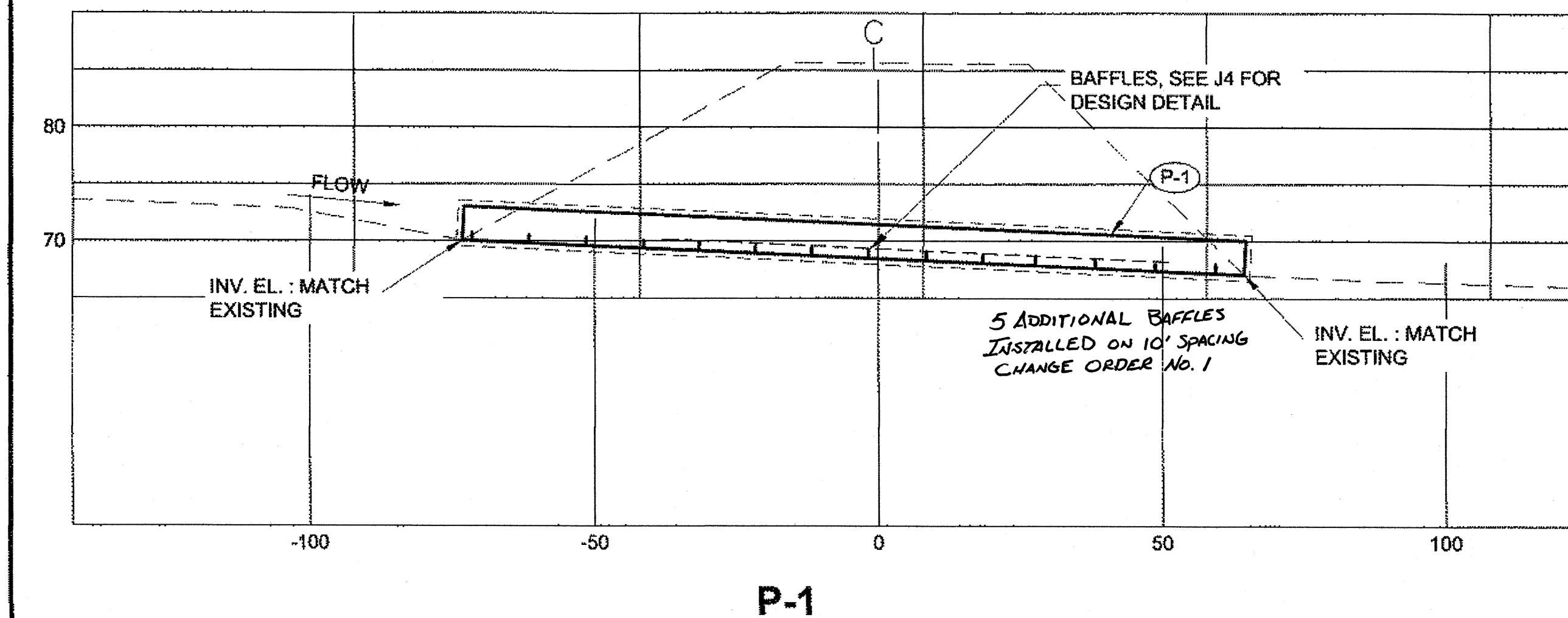
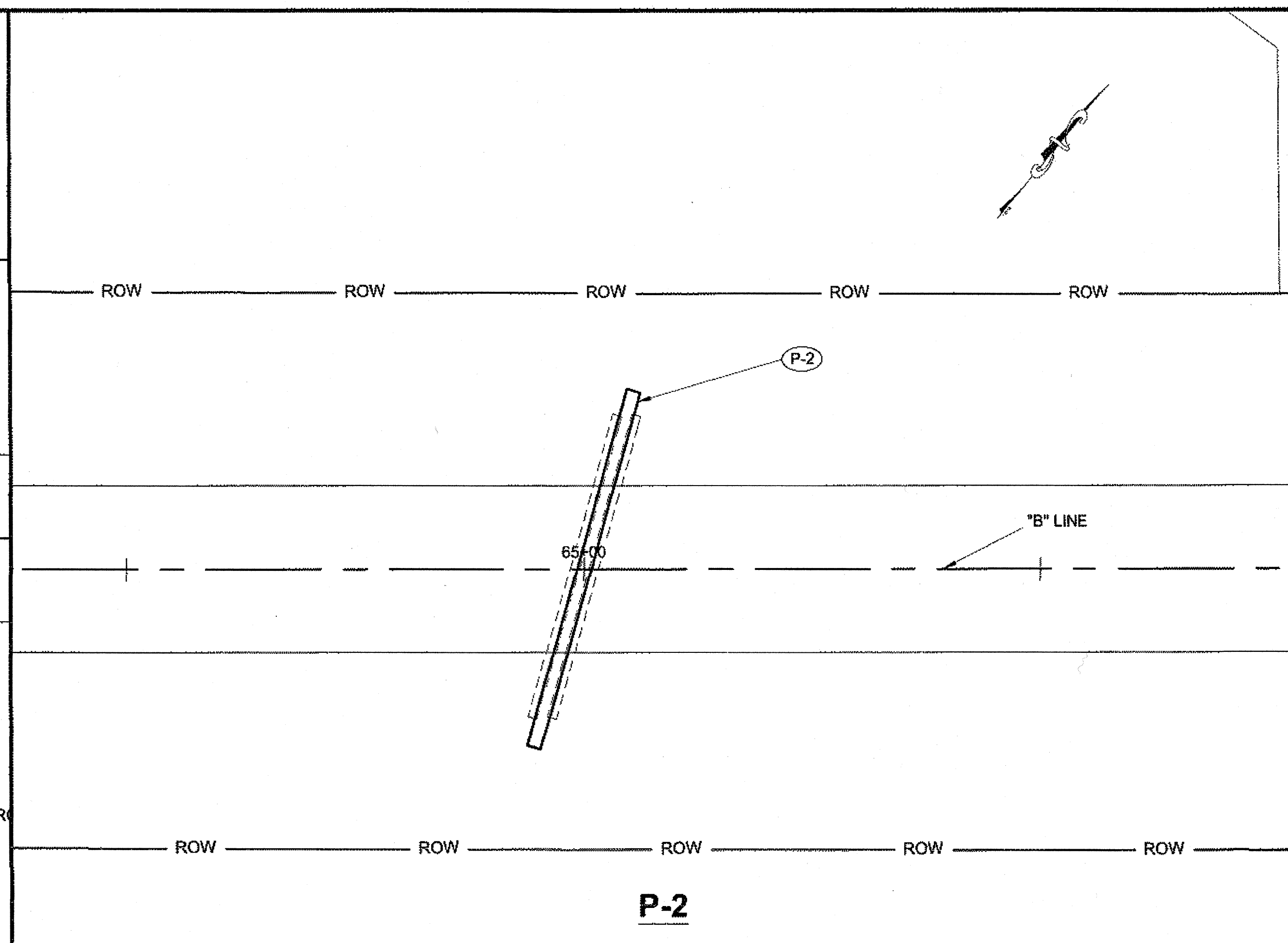
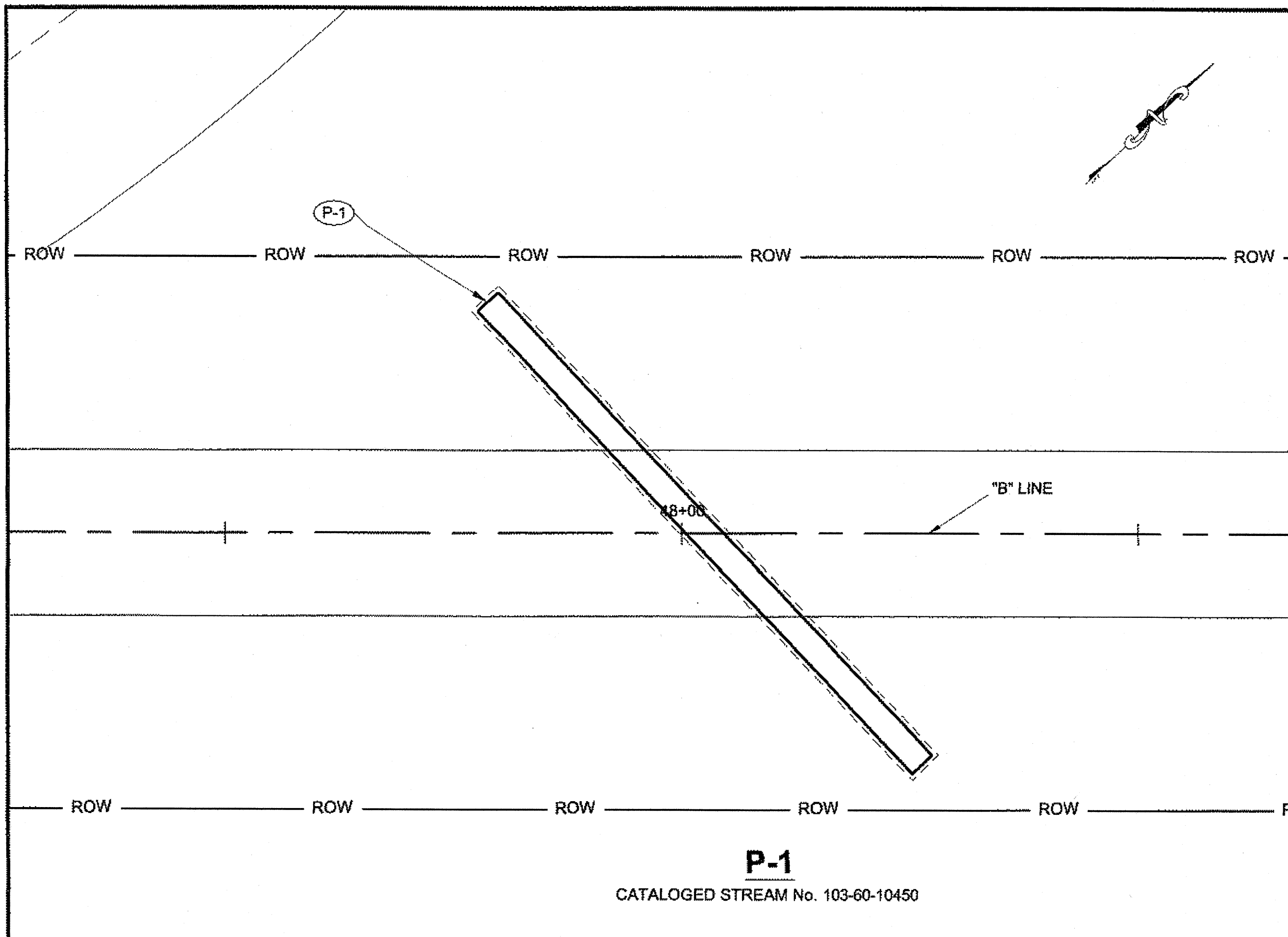
**EROSION & SEDIMENT
CONTROL PLANS**

PROJECT DESIGNATION	
67439	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
P4	28

AS-BUILT PLANS

INITIALS DW DATE 11/20/12

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

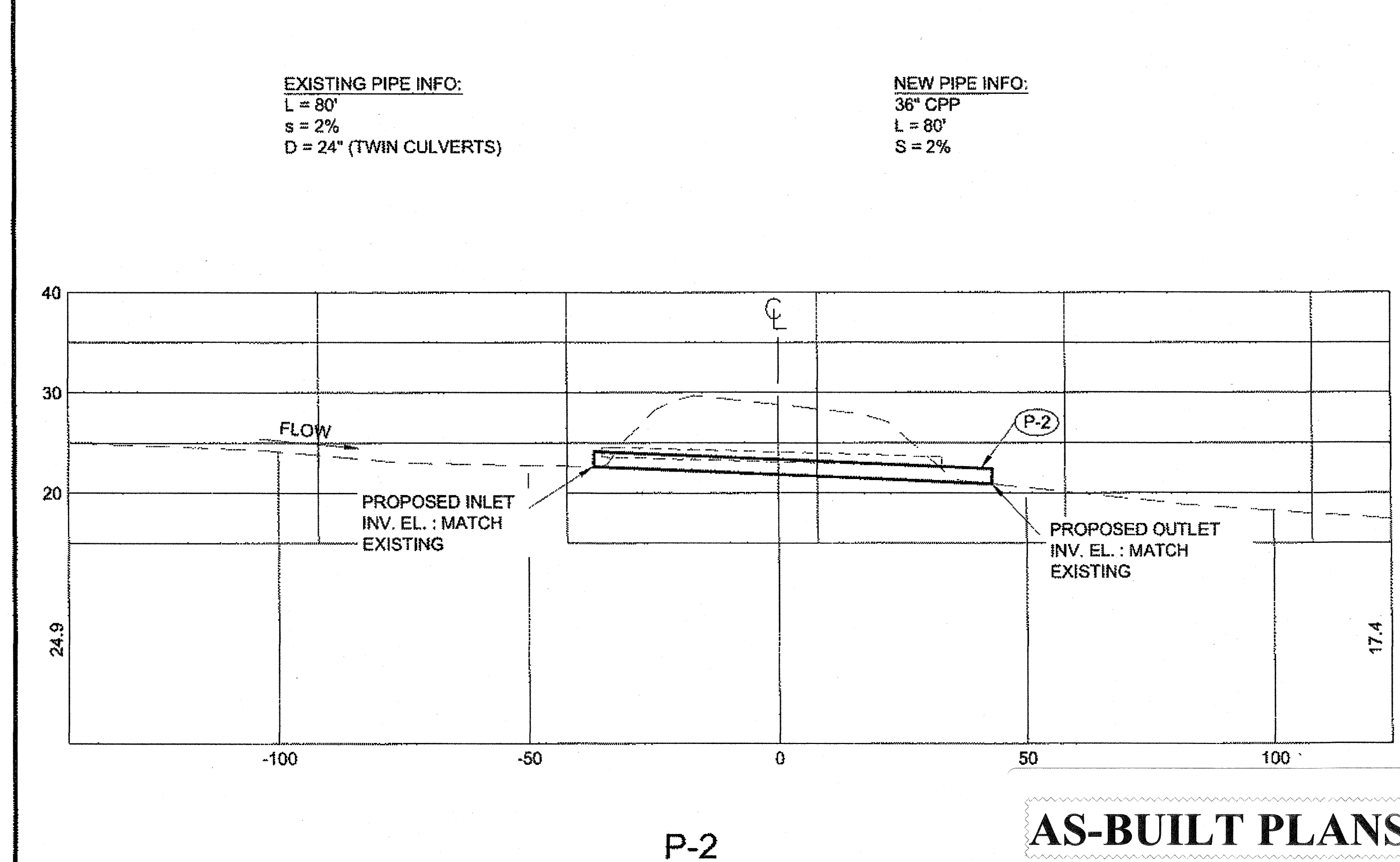


HYDRAULIC SUMMARY		
RETURN PERIOD	FLOWRATE (CFS)	HEADWATER ELEV. (FT)
Q2	16.00	70.50
Q50	243	75.80
Q100	266	76.34
Q500	323	81.00
DISCHARGE WHEN Hw/D=1, CFS	270	
DISCHARGE RQD. TO OVERTOP ROADWAY, CFS	461	
ROADWAY OVERTOPPING RECCURANCE PROBABILITY	>Q500	

NEW PIPE INFO:
84" LINER WITH BAFFLES @ 10' INTERVALS. FIRST BAFFLE 1.7' FROM INTAKE END OF PIPE. LAST BAFFLE 81.7' FROM INTAKE END OF PIPE.
L = 140'
S = 2.7%

EXISTING PIPE INFO:
L = 140'
S = 2.7%
D = 96"

CULVERT DATA	
CULVERT I.D.	P-1
CULVERT STA.	48+05
CULVERT RISE, IN	84
DRAINAGE AREA, AC	320
LENGTH, FT	140
HWY CL ELEV, FT	86.40
INLET INVERT ELEV. FT	69.00
OUTLET INVERT ELEV. FT	65.40
Hw ELEV @ Q50, FT	75.80
Hw / D RATIO, Q50	0.97
END TREATMENT	NONE



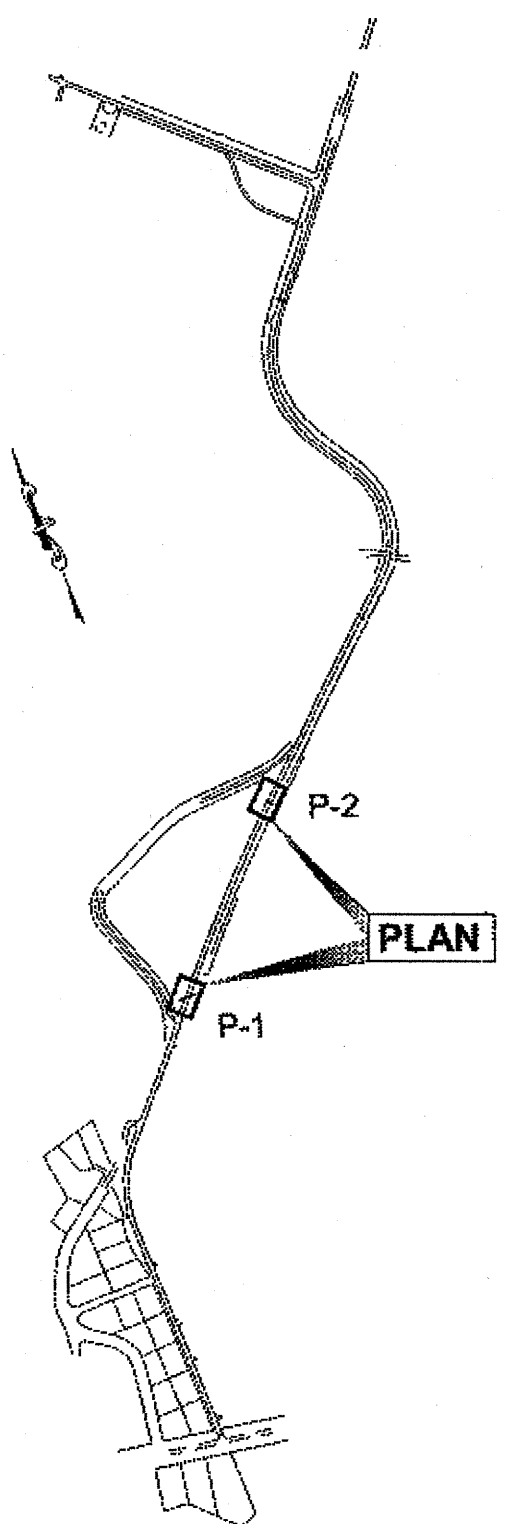
EXISTING PIPE INFO:
L = 80'
S = 2%
D = 24" (TWIN CULVERTS)

NEW PIPE INFO:
36" CPP
L = 80'
S = 2%

AS-BUILT PLANS

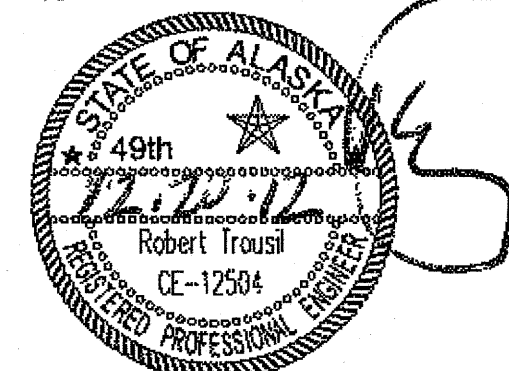
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\POW\67439\PLANSET\67439_Q1-Q3 CROSS PIPES.DWG GRANTHAM, RICK L (DOT)		
TAB: Q1		Thursday, December 20, 2012 11:52:43
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: STAFF



DESIGNED BY: R. TROUSIL

DRAWN BY: B. BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

**POW-BIG SALT ROAD
PAVEMENT REHABILITATION
PROJECT #67439**

CROSS PIPES

PROJECT DESIGNATION

67439

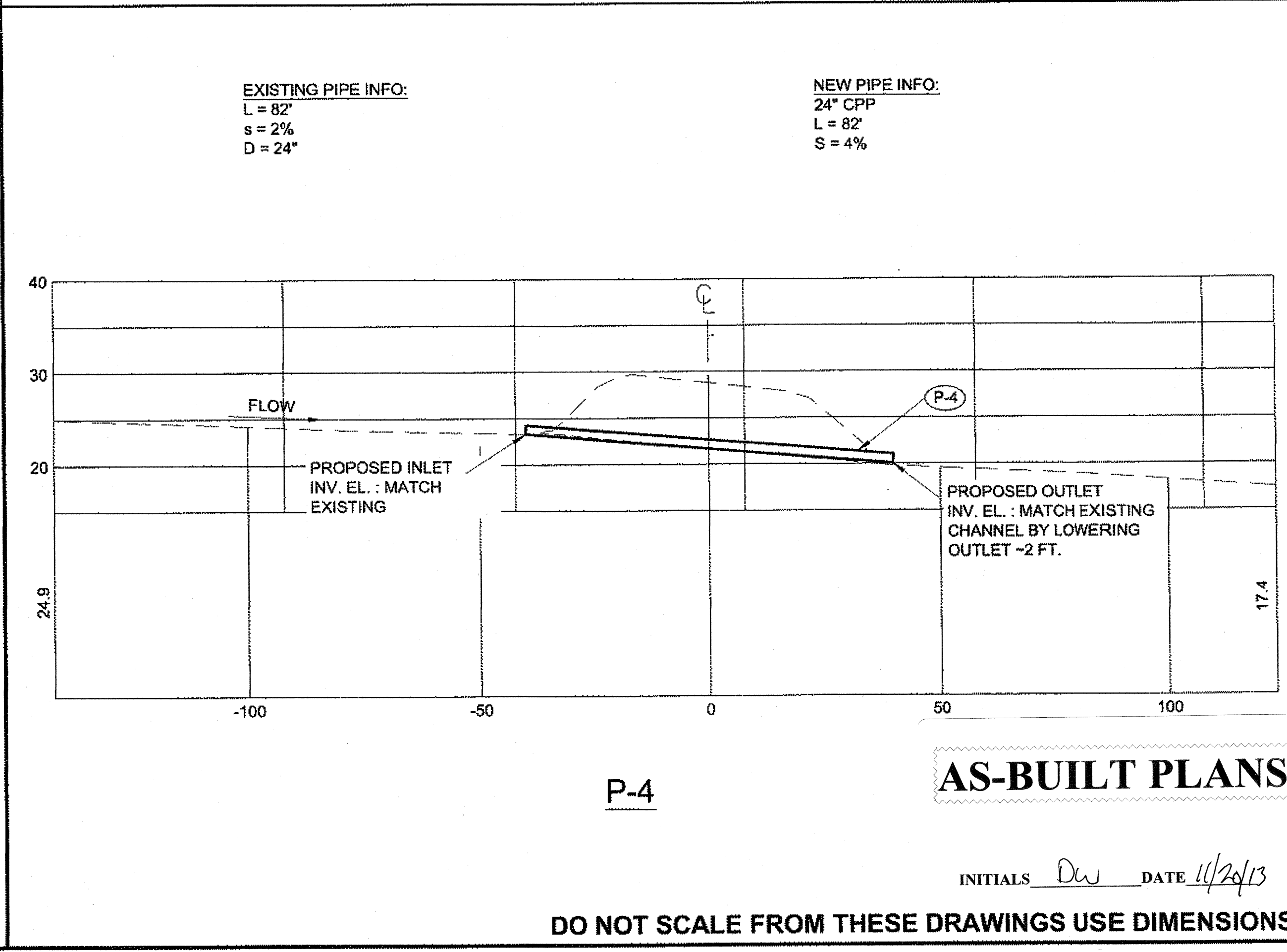
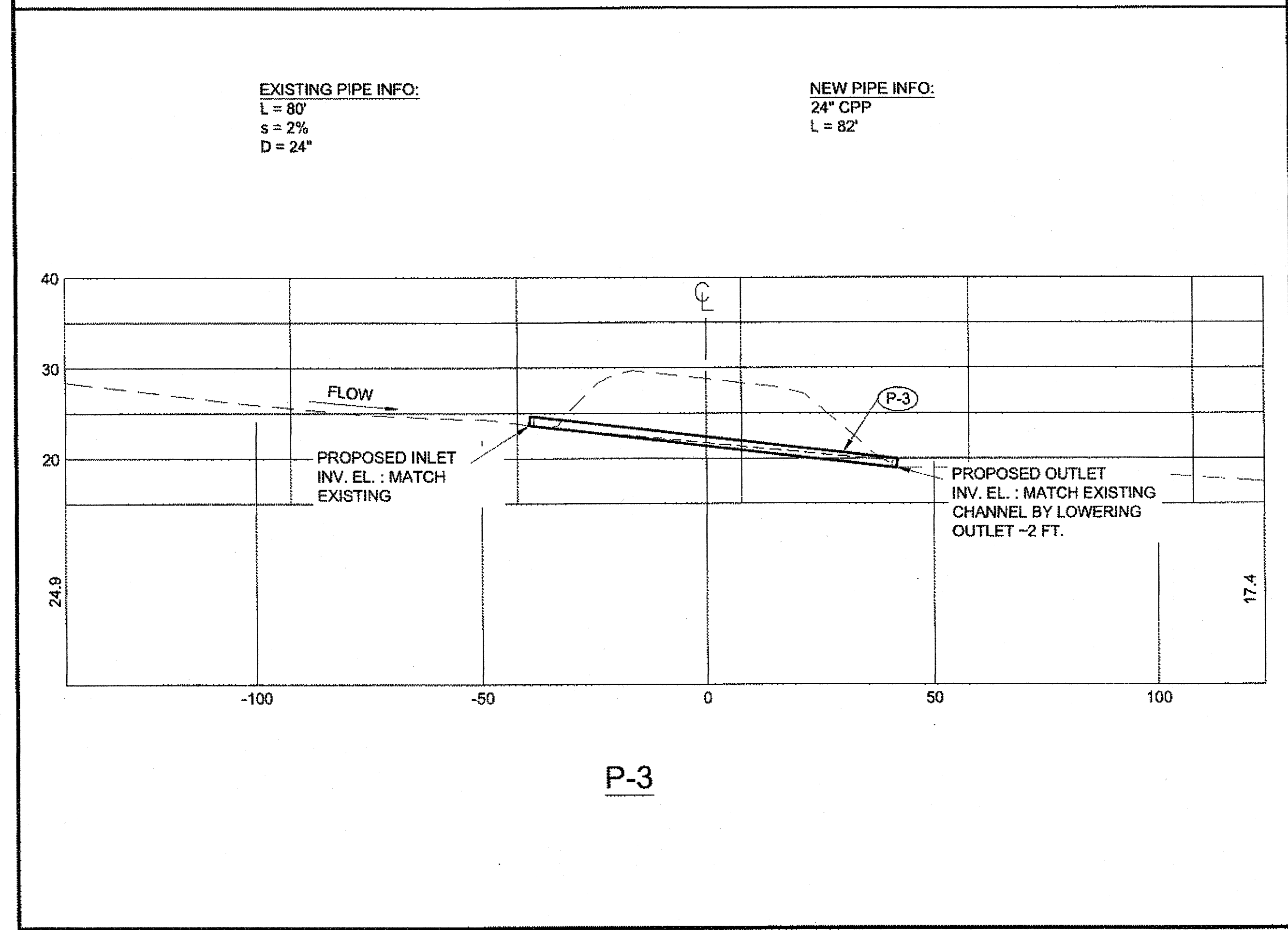
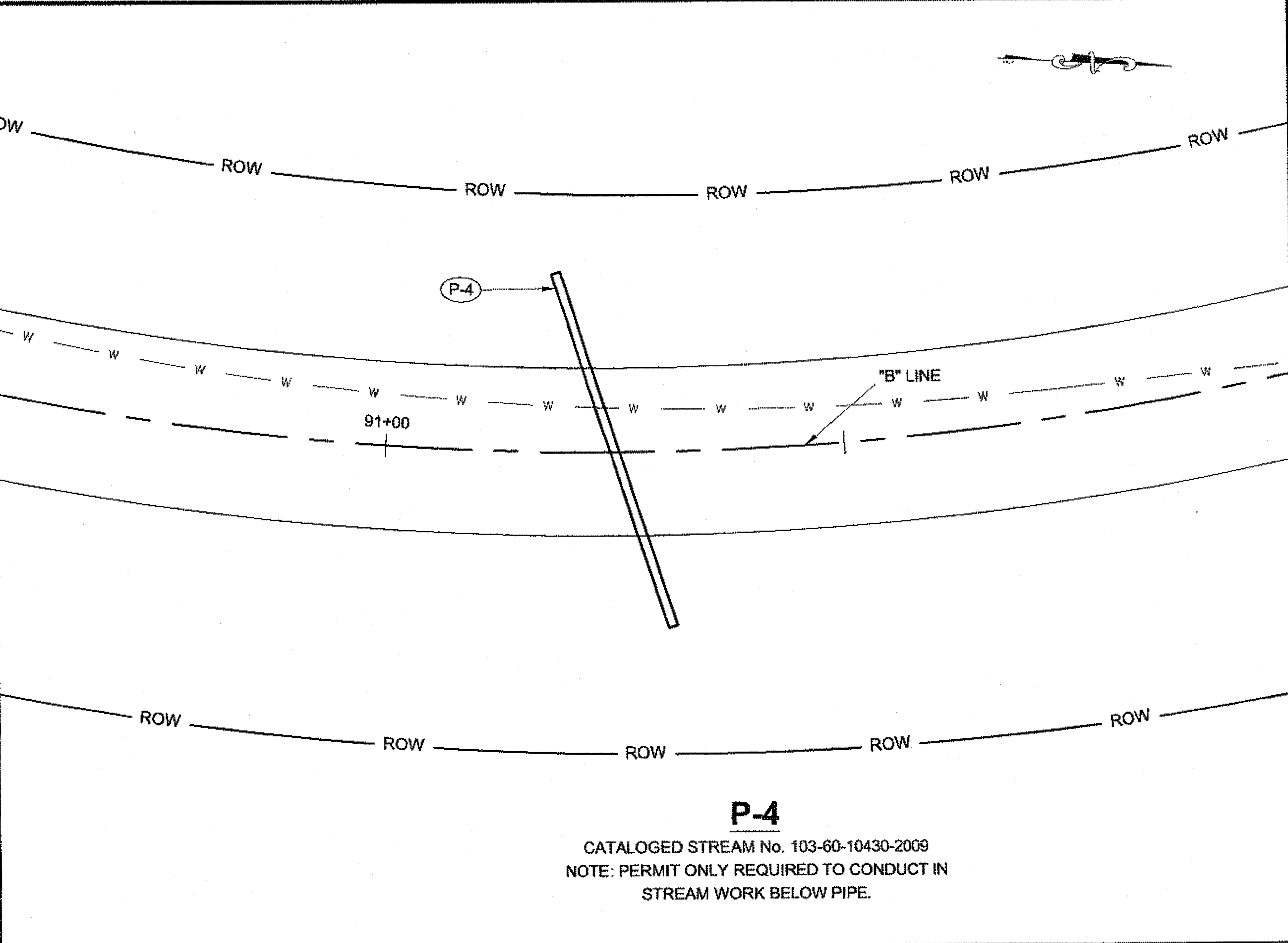
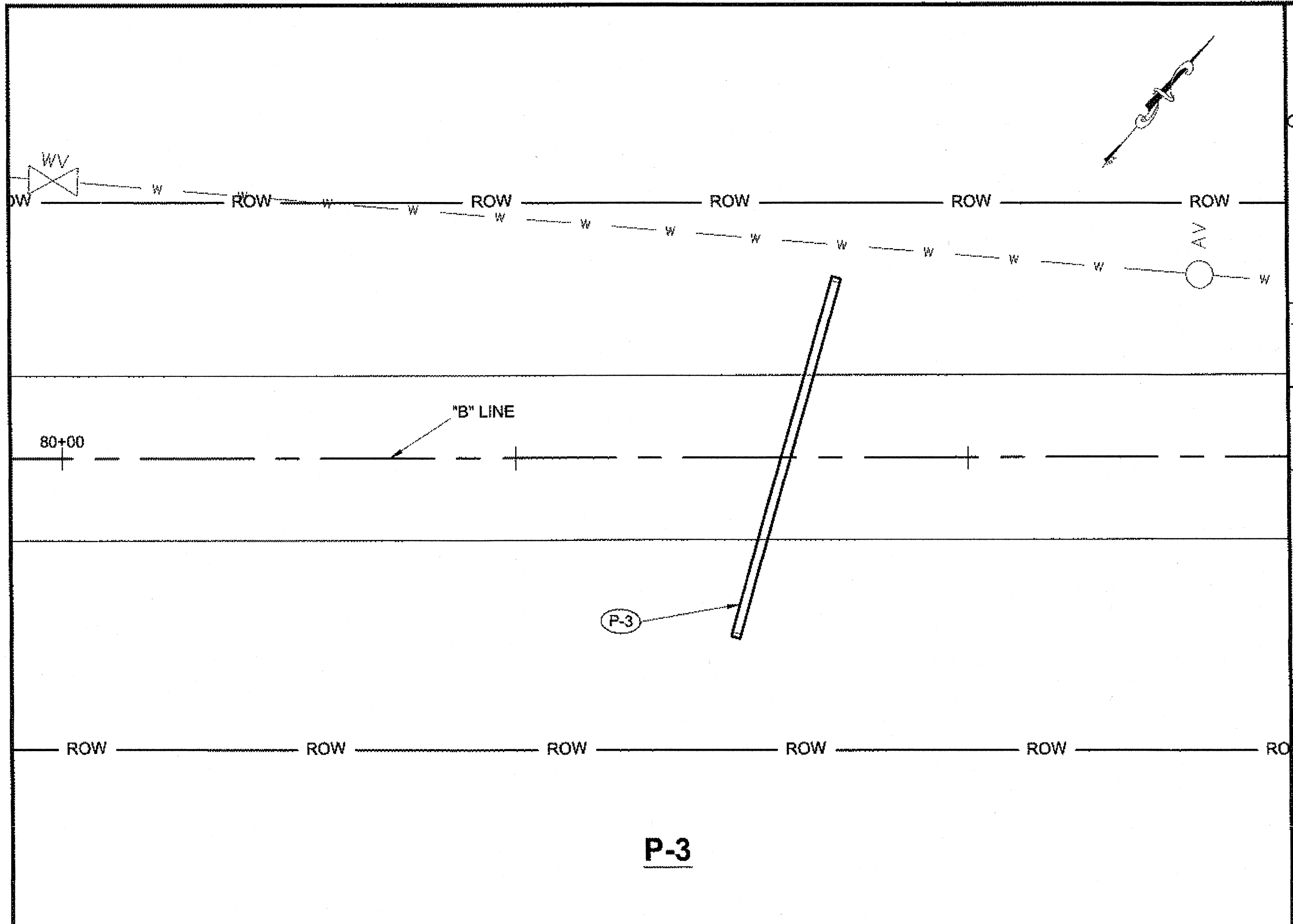
STATE YEAR
ALASKA 2012

SHEET NUMBER TOTAL SHEETS

Q1

28

INITIALS *DW* DATE *11/20/13*



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 GRANHAM, RICK L (DOT)
 TAB: Q2 Thursday, December 20, 2012 11:55:38

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

PLAN LEGEND

CHECKED BY: STAFF

DESIGNED BY: R. TROUSIL
 DRAWN BY: B. BENNETT

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

**POW-BIG SALT ROAD
 PAVEMENT REHABILITATION
 PROJECT #67439**

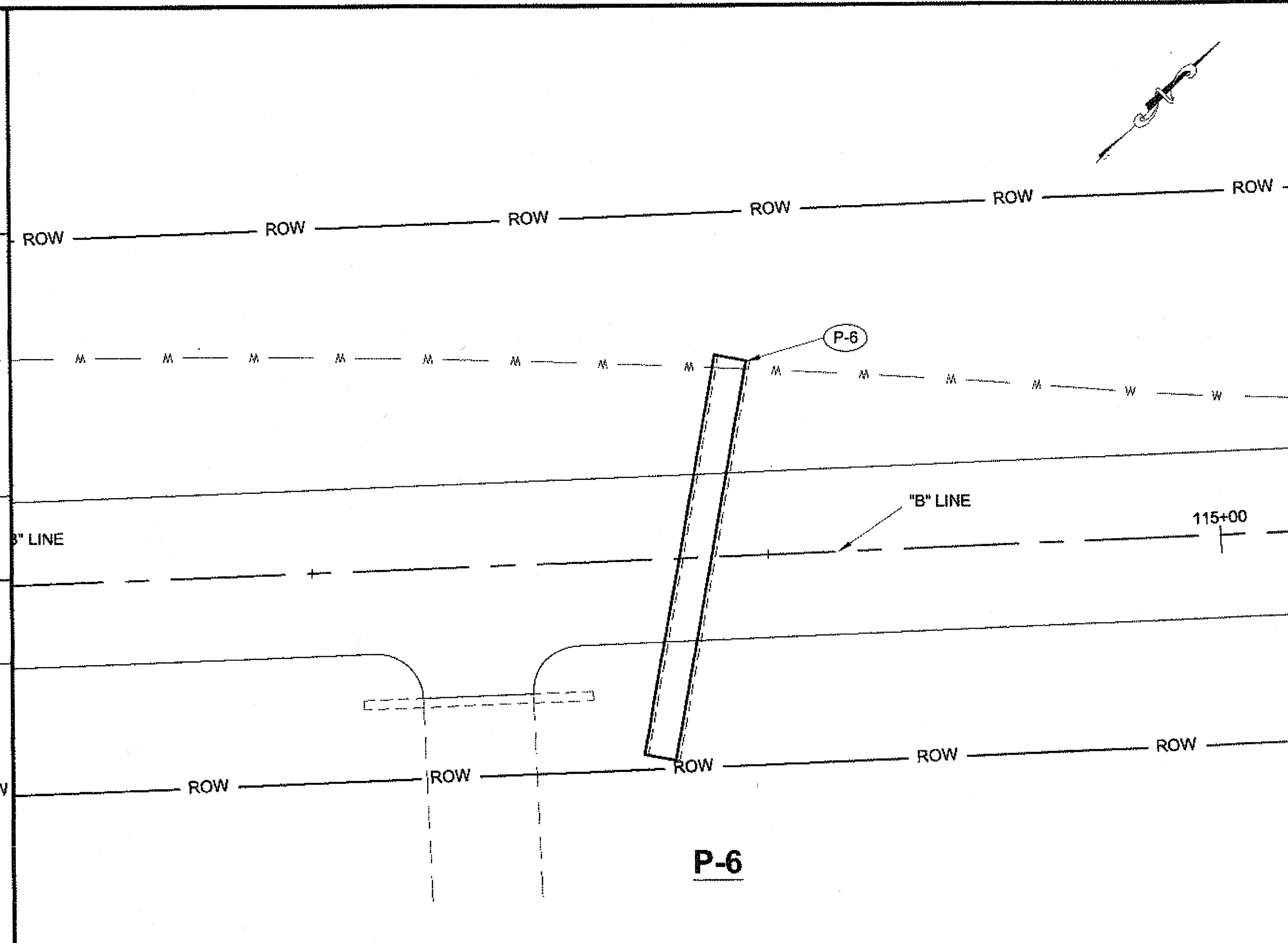
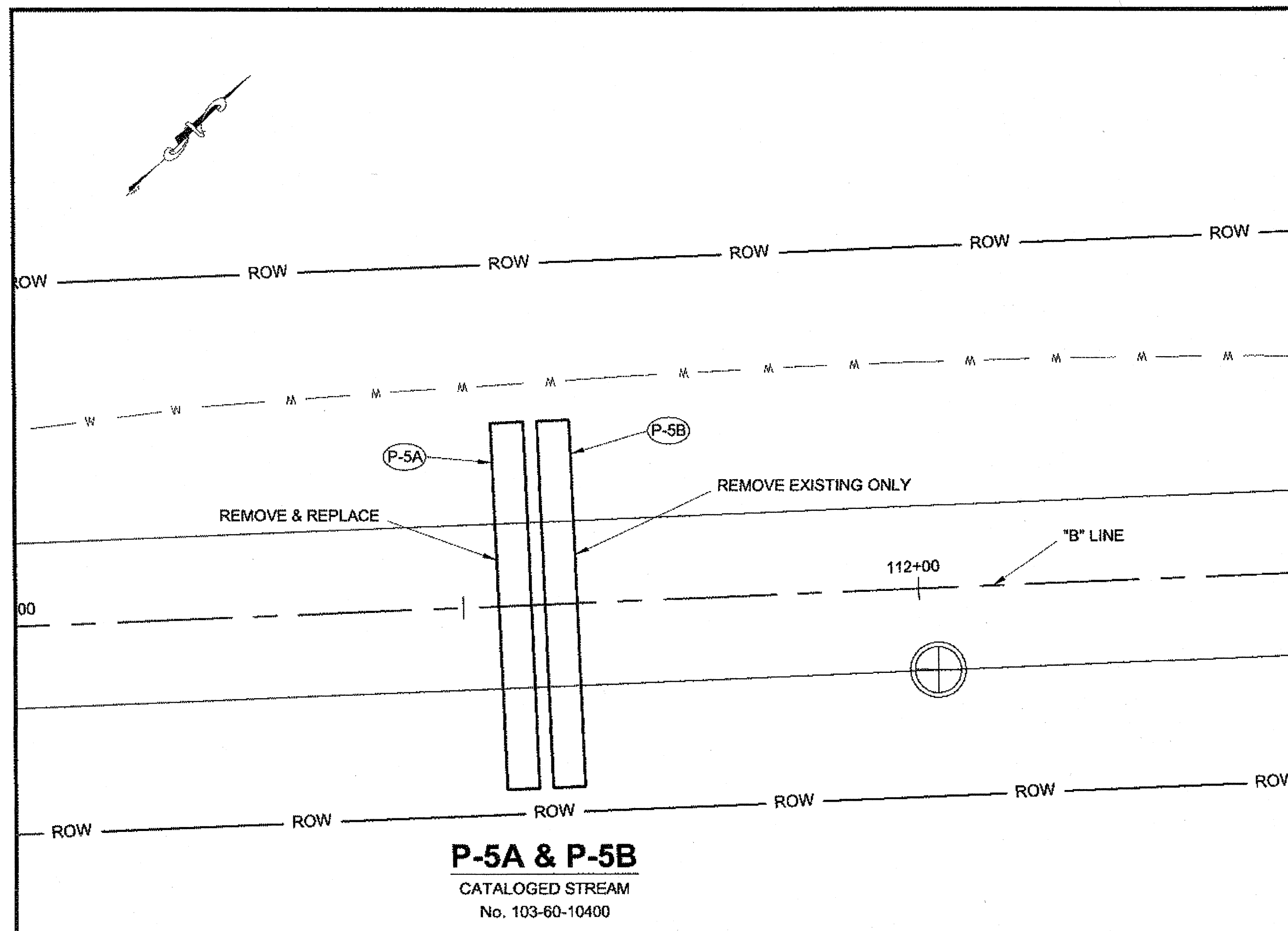
CROSS PIPES

PROJECT DESIGNATION
67439

STATE ALASKA	YEAR 2012
SHEET NUMBER Q2	TOTAL SHEETS 28

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

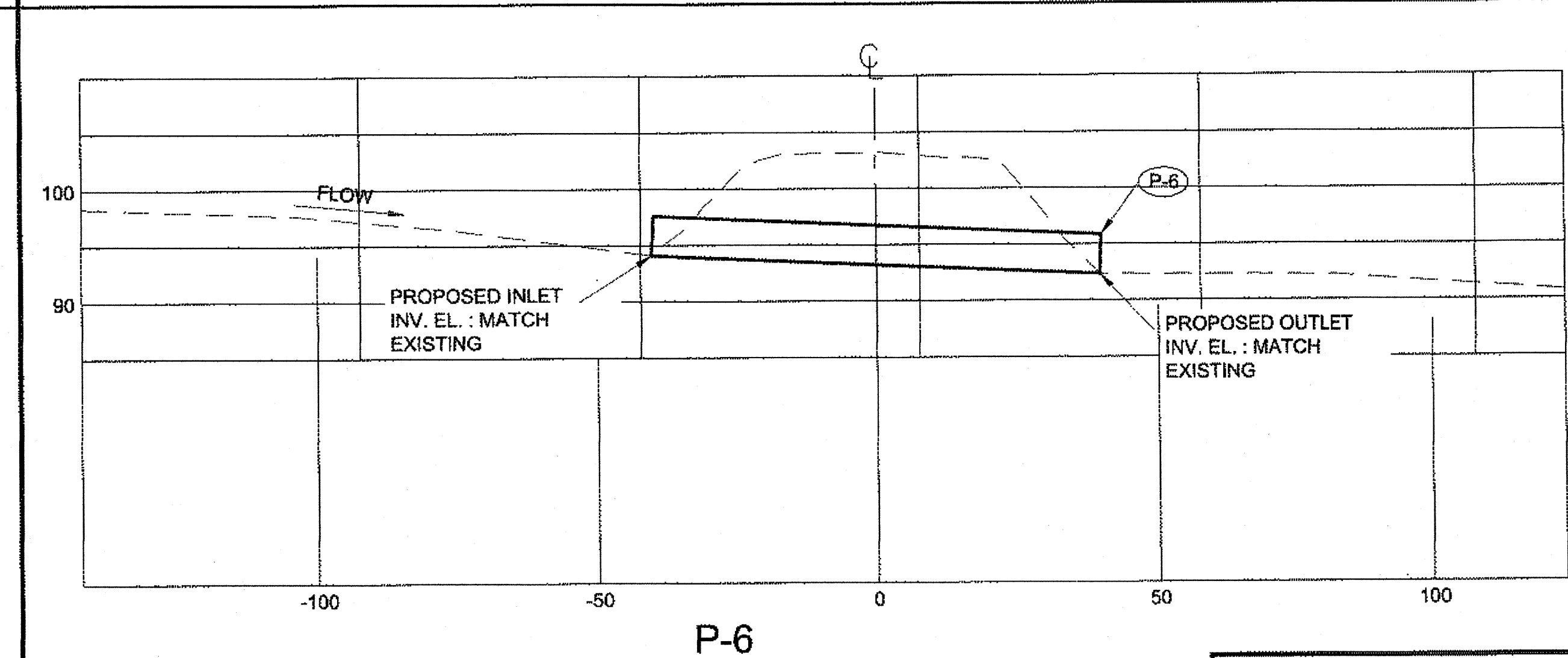
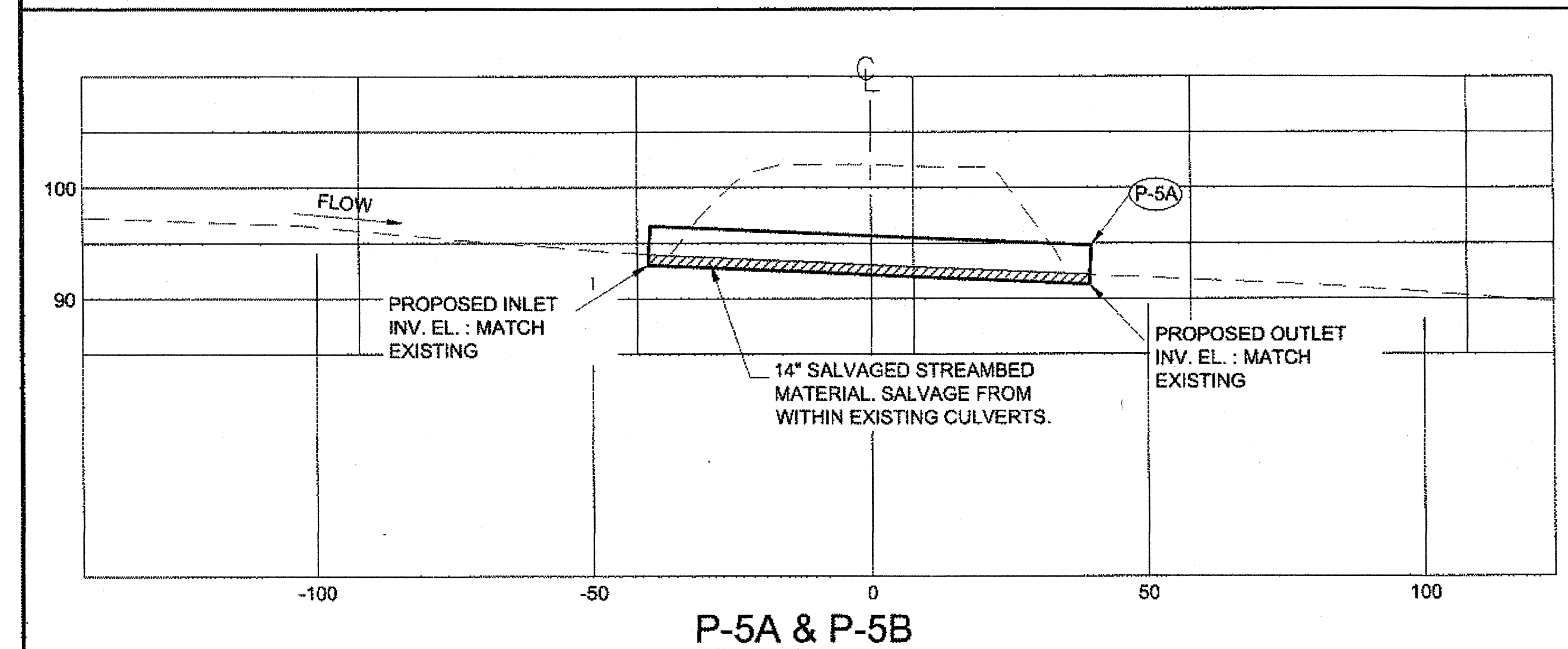
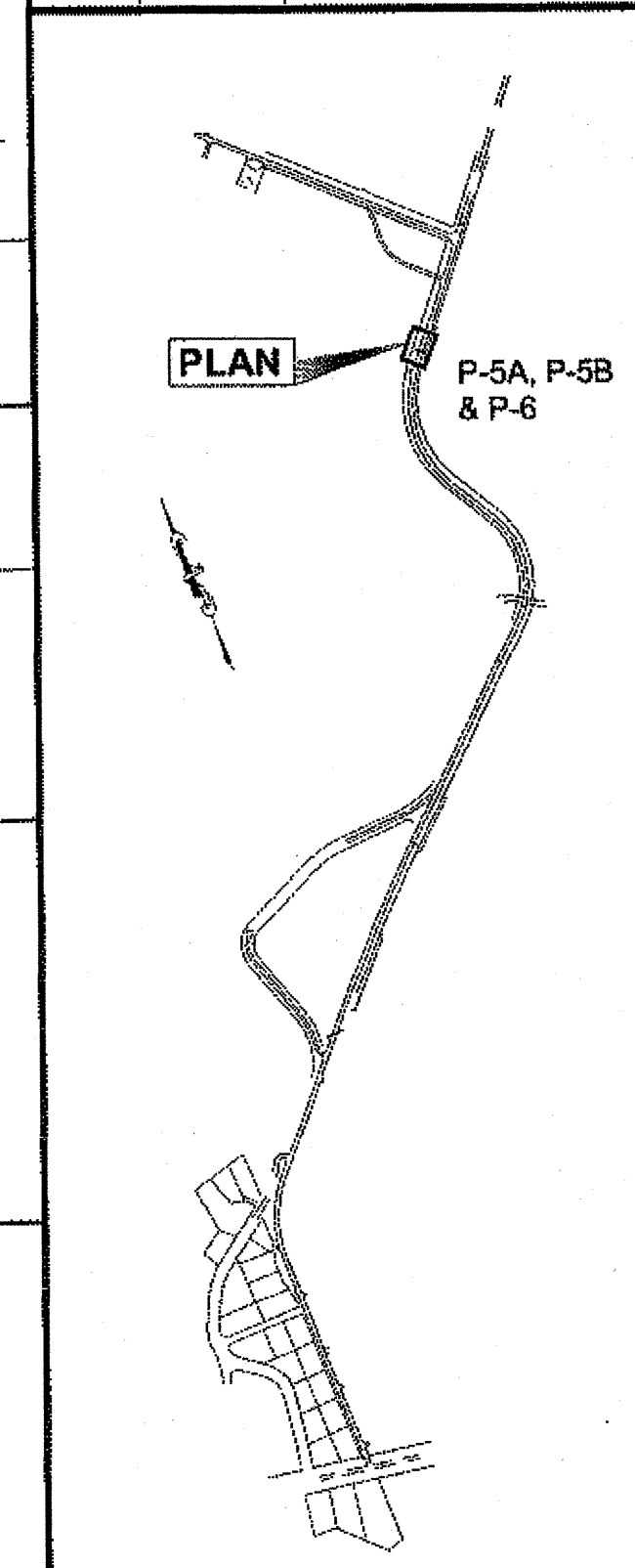
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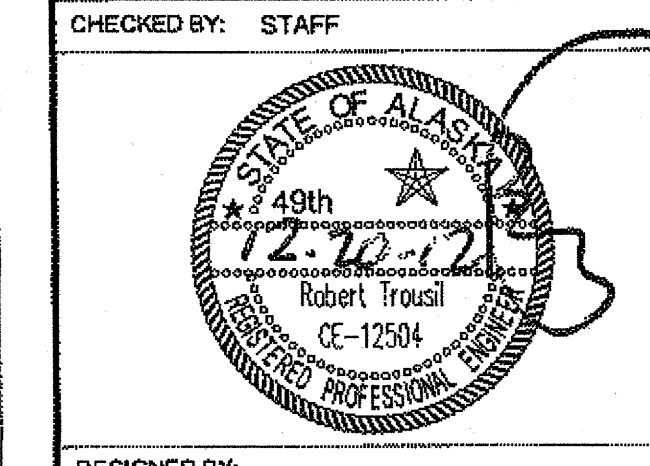
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PIPES.DWG
GRANTHAM, RICK L (DOT)

TAB: Q3 Thursday, December 20, 2012 11:57:09

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND



CHECKED BY: STAFF

DESIGNED BY: R. TROUSIL

DRAWN BY: B. BENNETT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

**POW-BIG SALT ROAD
PAVEMENT REHABILITATION
PROJECT #67439**

CROSS PIPES

PROJECT DESIGNATION	
67439	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
Q3	28

HYDRAULIC SUMMARY		
RETURN PERIOD	FLOWRATE (CFS)	HEADWATER ELEV. (FT)
Q2	16.00	94.3
Q50	223.74	99.80
Q100	244.94	100.17
Q500	296.76	101.00
DISCHARGE		
WHEN Hw/D=1, CFS	240	
DISCHARGE REQD. TO OVERTOP ROADWAY, CFS	288	
ROADWAY OVERTOPPING RECCURANCE PROBABILITY	>100	

NEW PIPE INFO:
7'-3"x5'-11" STRUCTURAL ALUMINUM PIPE
EMBED 14"
L = 80'
S = 1%
P-5A TO BE REPLACED.
P-5B TO BE REMOVED.

CULVERT DATA	
CULVERT I.D.	P-5
CULVERT STA.	111+11
CULVERT RISE, IN	70.8
DRAINAGE AREA, AC	294.4
LENGTH, FT	80
HWY CL ELEV, FT	103.5
INLET INVERT ELEV. FT	94.00
OUTLET INVERT ELEV. FT	93.20
Hw ELEV @ Q50, FT	99.80
Hw / D RATIO, Q50	0.98
END TREATMENT	NONE

HYDRAULIC SUMMARY		
RETURN PERIOD	FLOWRATE (CFS)	HEADWATER ELEV. (FT)
Q2	16.00	95.2
Q50	223.74	99.80
Q100	244.94	100.10
Q500	322.56	101.94
DISCHARGE		
WHEN Hw/D=1	250	
DISCHARGE REQD. TO OVERTOP ROADWAY, CFS	375.40	
ROADWAY OVERTOPPING RECCURANCE PROBABILITY	>Q500	

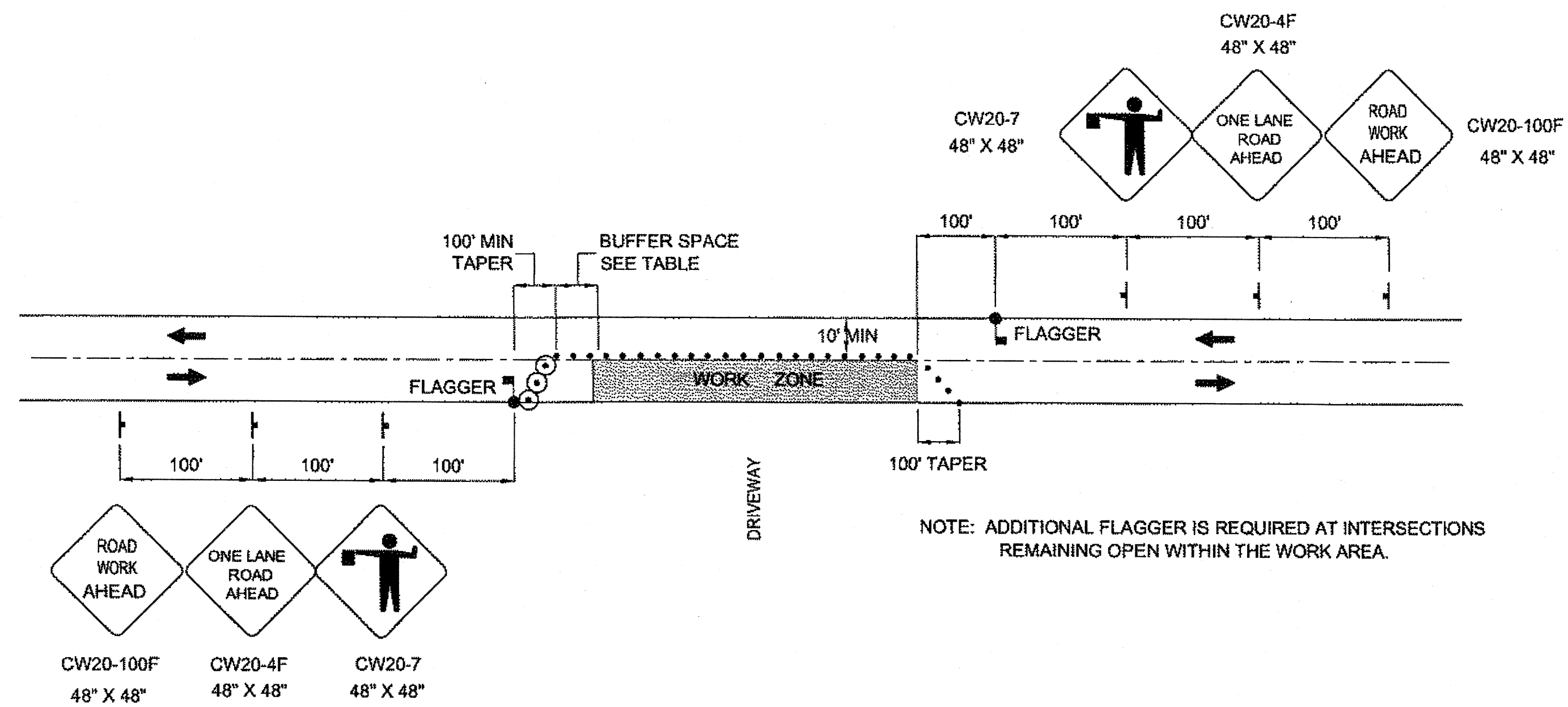
NEW PIPE INFO:
1 - 7'-3"x5'-11" STRUCTURAL ALUMINUM PIPE ARCH
L = 88'
S = 7%

AS-BUILT PLANS

INITIALS *DW* DATE *11/20/13*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CULVERT DATA	
CULVERT I.D.	P-6
CULVERT STA.	113+84
CULVERT RISE, IN	70.8
DRAINAGE AREA, AC	320
LENGTH, FT	80
HWY CL ELEV, FT	103.5
INLET INVERT ELEV. FT	94.00
OUTLET INVERT ELEV. FT	88.40
Hw ELEV @ Q50, FT	99.80
Hw / D RATIO, Q50	0.98
END TREATMENT	NONE



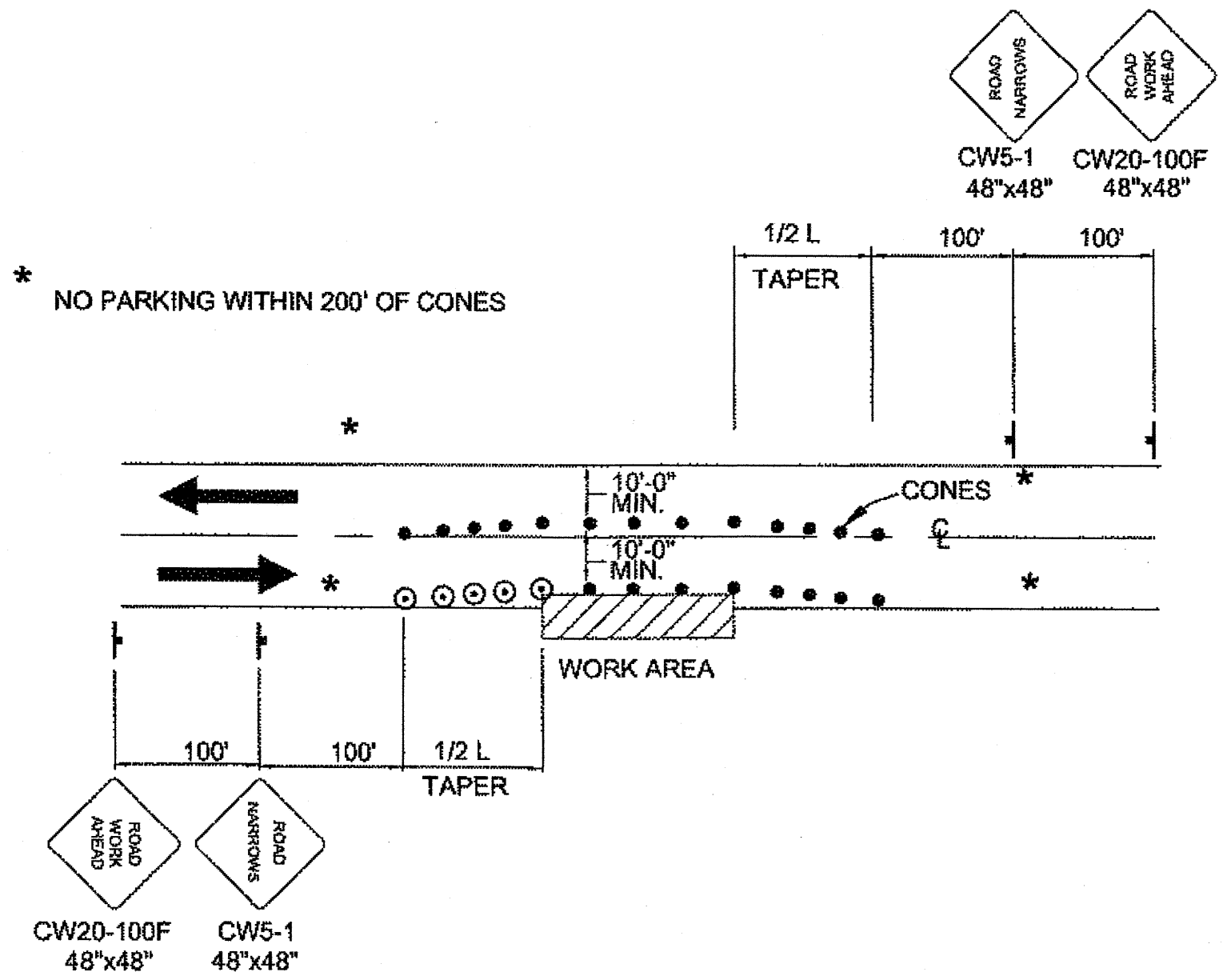
TWO LANE ROADWAY-SINGLE LANE CLOSURE

TRAFFIC CONTROL NOTES

1. MINIMUM OF ONE LANE SHALL REMAIN OPEN AT ALL TIMES IN WORK AREAS.
2. TEMPORARY DRIVING LANES SHALL HAVE A MINIMUM WIDTH OF 10'-0".
3. CONSTRUCTION SIGNING SHALL BE IN PLACE ONLY WHEN THE CONDITIONS EXIST FOR WHICH THE SIGNS ARE INTENDED.
4. CHANNELIZATION DEVICES IF USED AT NIGHT SHALL BE LIT IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL.
5. DRIVEWAYS MAY BE CLOSED DURING ACTUAL WORK ON A GIVEN DRIVEWAY, PROVIDED THAT THE CLOSURE DOES NOT EXCEED 8 HOURS AND THE AFFECTED RESIDENTS HAVE BEEN GIVEN 24 HOURS NOTICE OF THE CLOSURE.
6. 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 DETAILS FROM THESE SHEETS.
7. ALL TRAFFIC CONTROL PLANS SUBMITTED BY THE CONTRACTOR SHALL BE NUMBERED. ALL TRAFFIC CONTROL PLANS THAT USE A TYPICAL APPLICATION AS DESCRIBED IN THE MUTCD SHALL REFERENCE THE TYPICAL APPLICATION. EXAMPLE: TCP 3, MUTCD TA-10.
8. 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.

AS-BUILT PLANS

INITIALS DW DATE 11/20/13



ROADWAY ENCROACHMENT

LEGEND

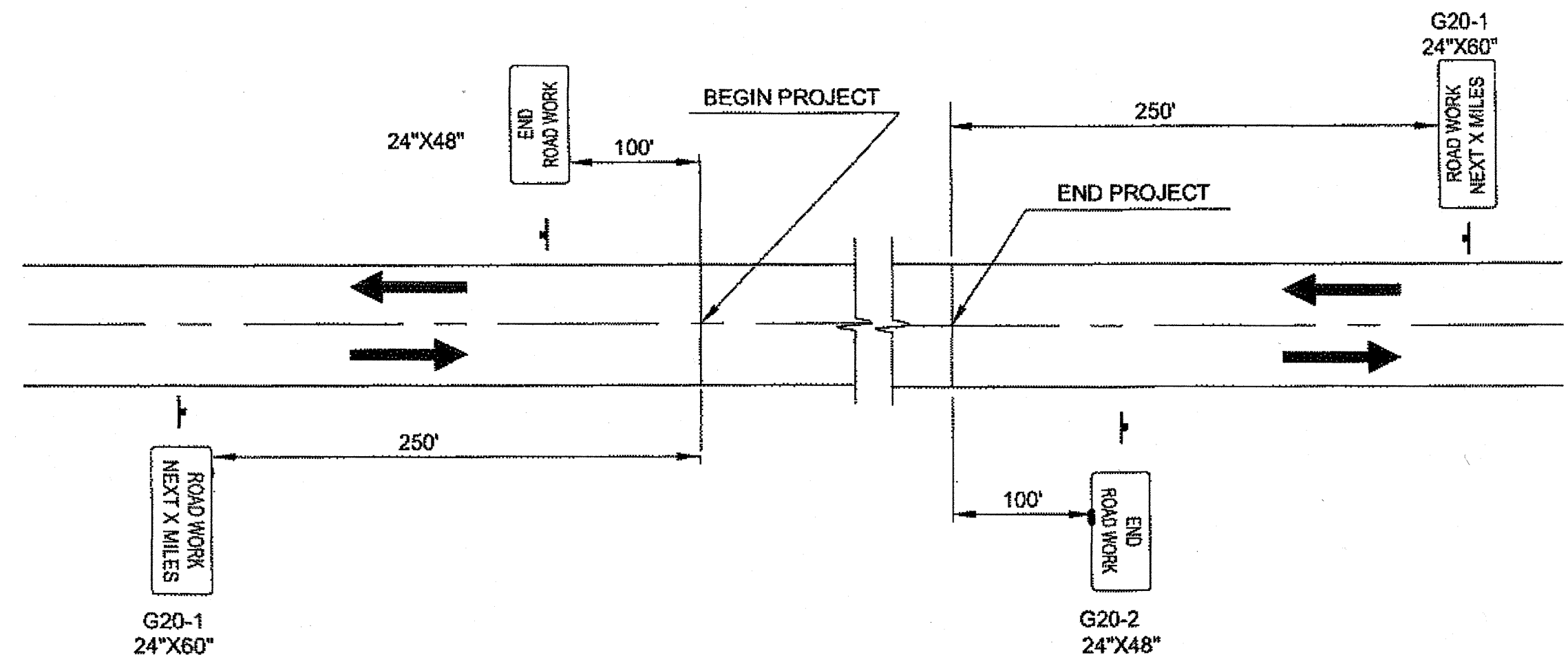
- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION

FORMULAS FOR L (TAPER LENGTH)

40 MPH OR LESS $L = \frac{W \times S^2}{60}$

45 MPH OR GREATER $L = W \times S$

WHERE W= WIDTH OF OFFSET
S= POSTED SPEED LIMIT



PERMANENT CONSTRUCTION SIGNING

TCP SETUP TABLE									
SPEED (MPH)	MIN. MERGING TAPER LENGTH (L) IN FEET			MIN. NUMBER OF DEVICES WIDTH OF OFFSET (W) IN FEET			MAX. DEVICE SPACING IN FEET		BUFFER SPACE (FT)
	WIDTH OF OFFSET (W) IN FEET						ALONG TAPER	ALONG TANGENT	
	10'	11'	12'	10'	11'	12'			
25 OR BELOW	105	115	125	6	6	6	25	50	155
30	150	165	180	6	7	7	30	60	200
35	205	225	245	7	8	8	35	70	250
40	270	295	320	8	9	9	40	80	305
45	450	495	540	11	12	13	45	90	360
50	500	550	600	11	12	13	50	100	425
55	550	605	660	11	12	13	55	110	495
60	600	660	720	11	12	13	60	120	570

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CHECKED BY: D. EPSTEIN

DESIGNED BY: D. EPSTEIN

DRAWN BY: R. GRANTHAM

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

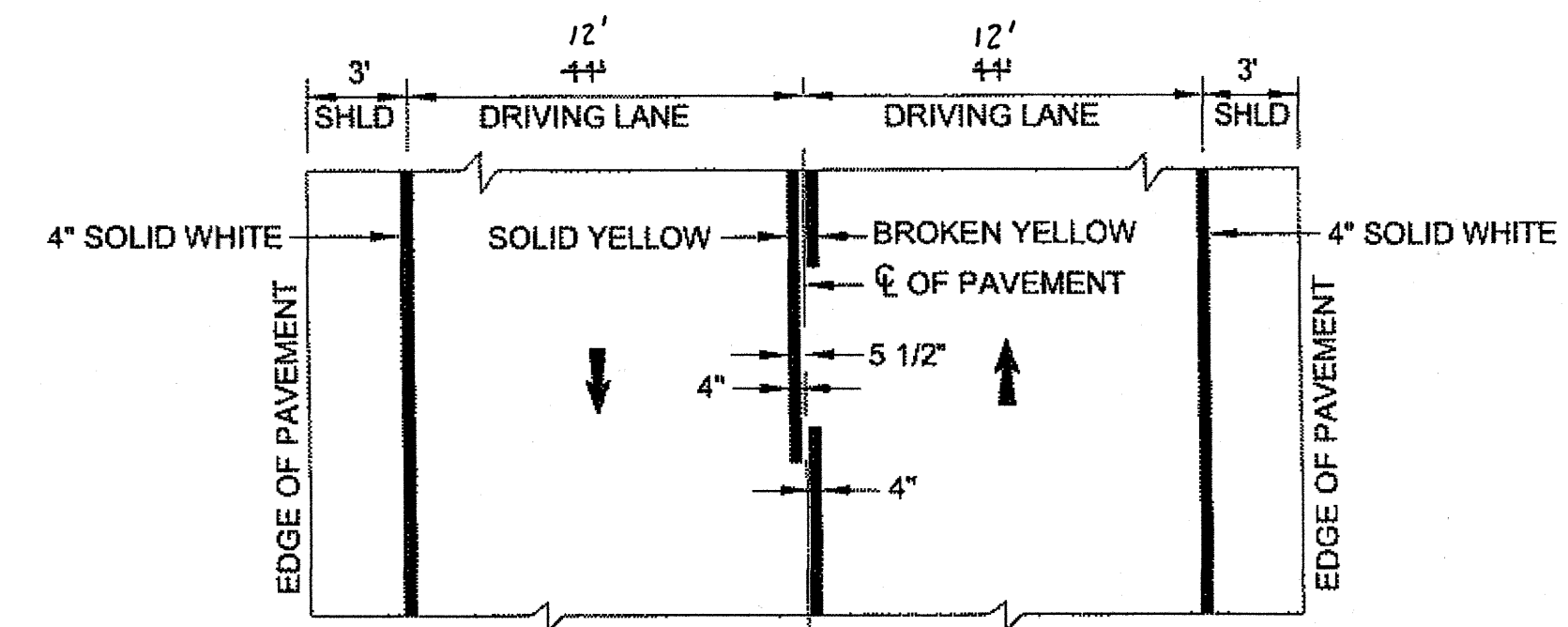
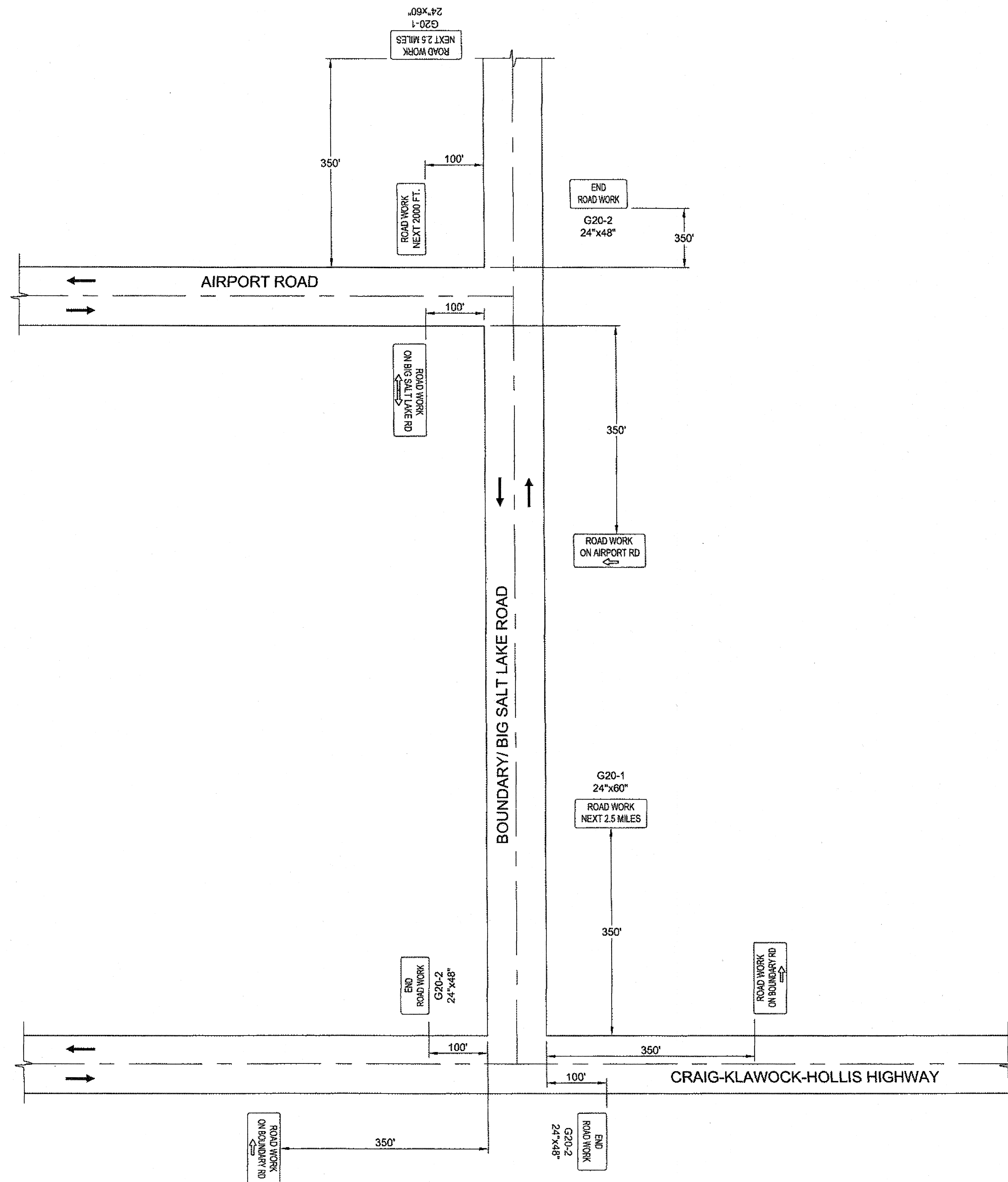
POW-BIG SALT ROAD PAVEMENT REHABILITATION PROJECT #67439

TRAFFIC CONTROL PLAN

PATH: Q:\POW\67439\PLANS\SET167439_S1_TRAFF-CNTL.DWG

TAB: S1 Monday, December 24, 2012 11:33:51 AM GRANTHAM, RICK L (DOT)

NO.	DATE	REVISIONS DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			67439	2012	S1	28



STRIPING DETAIL

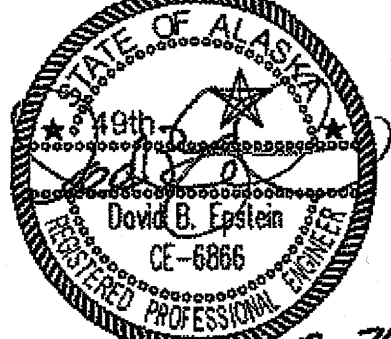
STRIPING NOTE:

1. PASSING ZONES SHALL BE LOCATED IN FIELD. THE CONTRACTOR SHALL REFERENCE AND STAKE THE LOCATIONS OF PASSING ZONES PER SPECIAL PROVISION 670.

AS-BUILT PLANS

INITIALS *DW* DATE *11/20/13*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. EPSTEIN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: D. EPSTEIN DRAWN BY: B. BENNETT		POW-BIG SALT ROAD PAVEMENT REHABILITATION PROJECT #67439	
PATH: Q:\POW67439\PLANSET\67439_S1_TRAFF-CNTL.DWG TAB: S2		Monday, December 24, 2012 11:42:26 AM GRANHAM, RICK L (DOT)	
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 67439	YEAR 2012
		SHEET NO. S2	TOTAL SHEETS 28