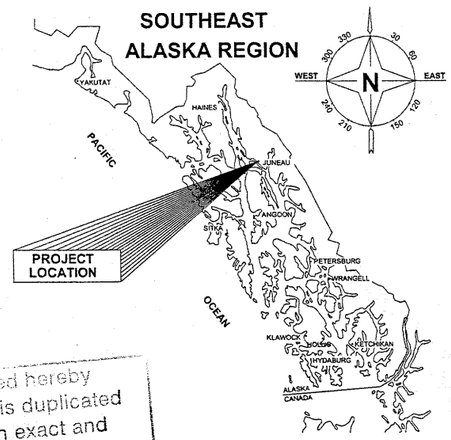
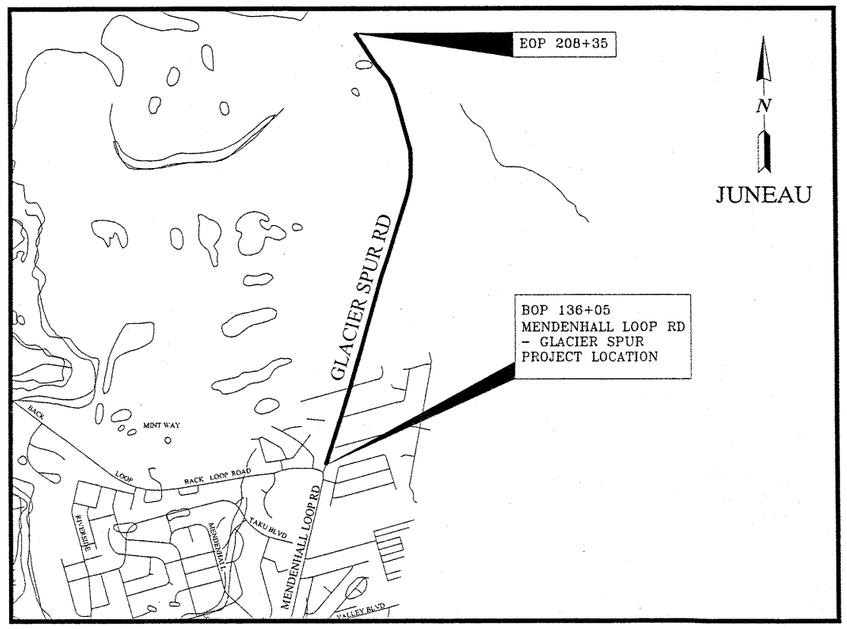
State of Alaska

Department of Transportation and Public Facilities - Southeast Region

JNU-GLACIER SPUR ROAD PAVEMENT REHABILITATION

PROJECT No. 69348





VICINITY MAP
MENDENHALL LOOP ROAD

DESIGN DESIGNATION
GLACIER SPUR ROAD

A.D.T. 2008	=	3720
A.D.T. 2031	=	4170
D.H.V. (12.1%) 2031	=	505
% T	=	8%
V	=	20-40 M.P.H.
E.A.L.	=	650,000

PROJECT SUMMARY

LENGTH OF PROJECT	=	1.4 MILES
LENGTH OF RESURFACING	=	1.4 MILES
WIDTH OF RESURFACING	=	36 FT

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-1	D-23.01	I-20.13	S-00.10	T-20.02
C-03.10		M-16.01	S-05.01	T-21.02
C-04.12			S-20.10	
C-05.10			S-23.00	
			S-30.03	

INDEX

AS-BUILT PLANS

CONTRACTOR: SECON
PROJECT ENGINEER: ~~Thad Hopper~~
BEGIN DATE: JULY 19, 2010
END DATE: JULY 11, 2011

PATH: Q:\JNU\69348\PLANSET\69348_A1_TITLE.DWG TAB:A1-TITLE SHEET
Thursday, September 17, 2009 8:16:28 AM
PLOT: PSPACE OR MSPACE: 1=1(F)

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES-SOUTHEAST REGION

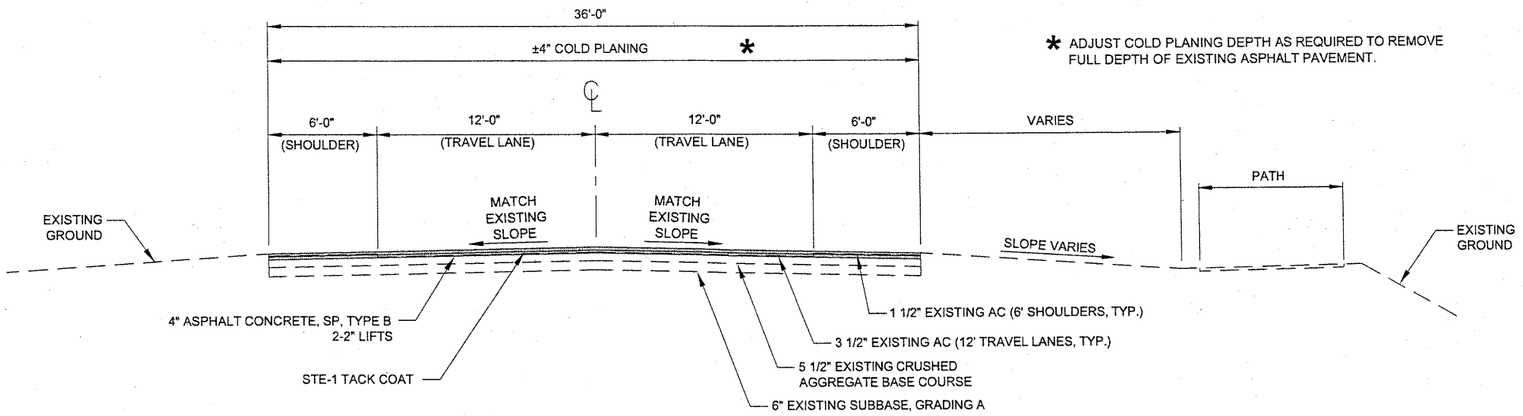
STATE OF ALASKA
49TH
5-26-10
CHAD J. HOWARD
CE-10835
REGISTERED PROFESSIONAL ENGINEER

APPROVED: Victor Winters 5.26.10
REGIONAL PRE-CONSTRUCTION ENGINEER DATE
VICTOR M. WINTERS, P.E.

APPROVED: Gary L. Davis 5.26.10
DIRECTOR, SOUTHEAST REGION DATE
GARY L. DAVIS

CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITION:
CONSTRUCTION PROJECT MANAGER 3/2/2012 DATE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	69348	2010	A1	13



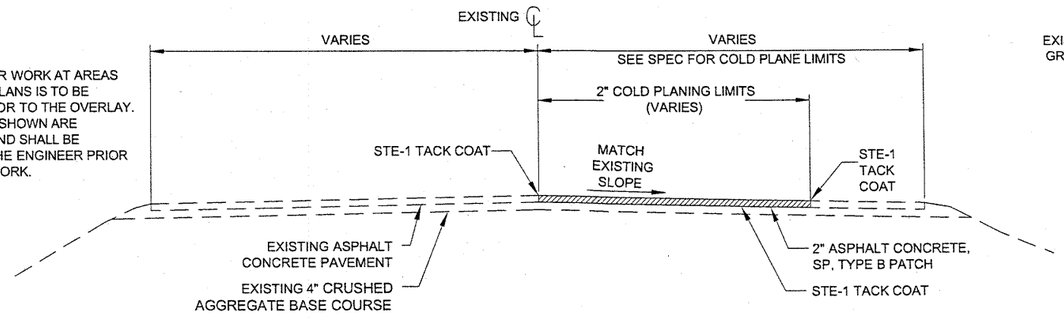
* ADJUST COLD PLANING DEPTH AS REQUIRED TO REMOVE FULL DEPTH OF EXISTING ASPHALT PAVEMENT.

GLACIER SPUR ROAD
4" COLD PLANING
STA 136+05 TO STA 140+00
NTS

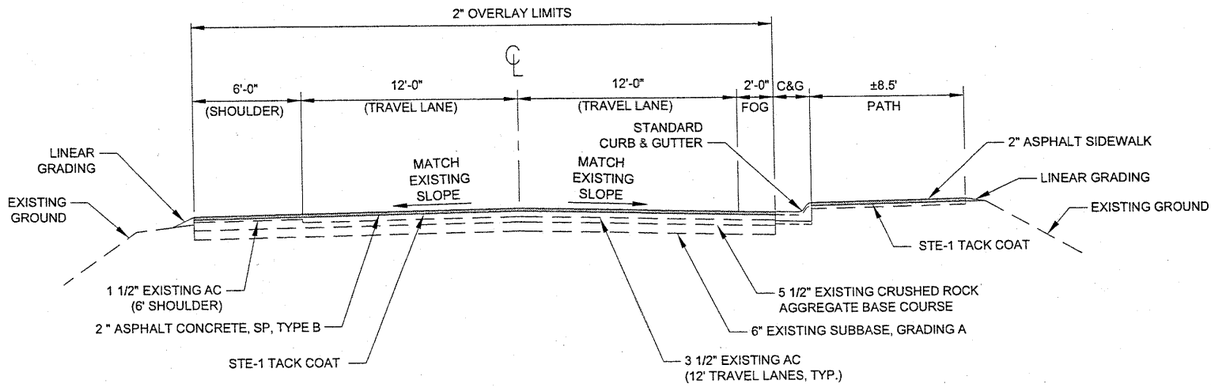
GENERAL NOTES:

1. INFORMATION CONTAINED IN THESE DOCUMENTS HAS BEEN COMPILED FROM AS-BUILT DRAWINGS. FEATURE LOCATIONS ARE APPROXIMATE. ACTUAL LOCATIONS WILL VARY.
2. THE SPOT REPAIR WORK AT AREAS SHOWN IN THE PLANS IS TO BE COMPLETED PRIOR TO THE OVERLAY. THE LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE IDENTIFIED BY THE ENGINEER PRIOR TO BEGINNING WORK.
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SET CONTROL FOR THE COLD PLANING, PAVING, TRAFFIC MARKINGS AND OTHER ITEMS AS NECESSARY TO COMPLETE THE WORK. SETTING CONTROL POINTS FOR REINSTALLING TRAFFIC MARKINGS SHALL BE COORDINATED WITH THE ENGINEER.
4. COLD PLANING WIDTHS AND DEPTHS MAY VARY AND ARE SUBJECT TO MINOR REVISIONS AS DETERMINED BY THE ENGINEER.
5. PRIOR TO PLANING OPERATIONS, INLETS, CATCH BASINS, AND DRAINS SHALL BE SUFFICIENTLY BARRICADED SO AS TO PREVENT DEBRIS FROM ENTERING THE DRAINAGE SYSTEM, OR STREAMS.
6. TWO ASPHALT CORES GAVE AN EXISTING ASPHALT THICKNESS RANGING FROM 3 1/2" TO 5".
7. COLD PLANING SHALL LEAVE A CLEAN VERTICAL FACE.
8. THE PAVEMENT REMOVED BY COLD PLANING SHALL BE USED FOR LINEAR GRADING AND FOR USE IN THE PROJECT. ALL UNUSED MATERIAL SHALL BE HAULED AND STOCKPILED TO THE D.O.T. STOCKPILE SITE AT THE INTERSECTION OF MENDENHALL LOOP AND EGAN.
9. SEE SUBSECTIONS 401-3.14 AND 408-3.01 OF THE SPECIAL PROVISIONS REGARDING JOINTS.

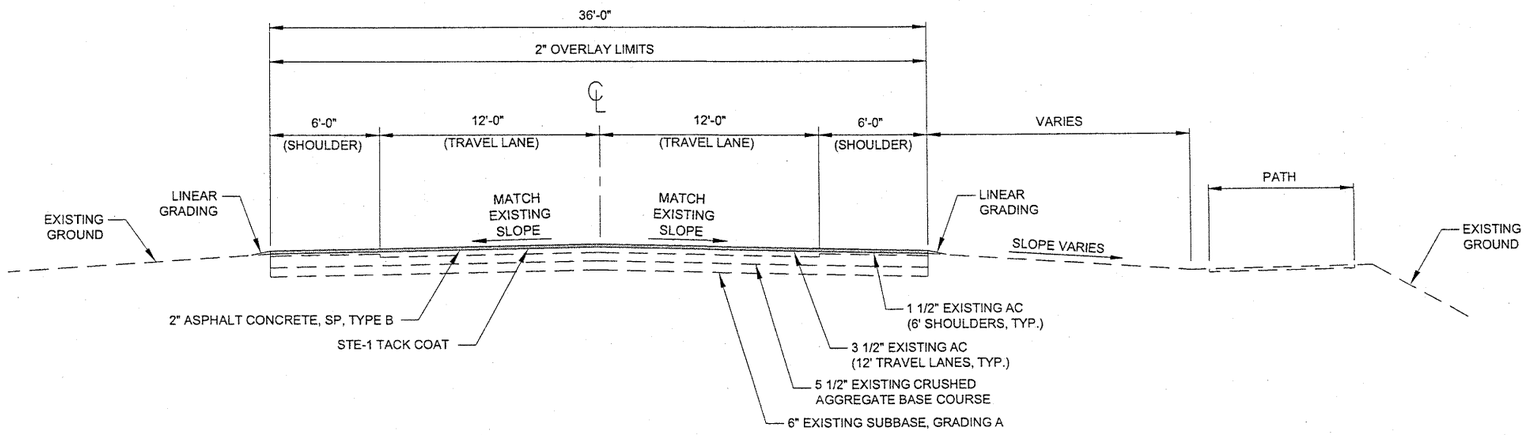
NOTE:
THE SPOT REPAIR WORK AT AREAS SHOWN IN THE PLANS IS TO BE COMPLETED PRIOR TO THE OVERLAY. THE LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE IDENTIFIED BY THE ENGINEER PRIOR TO BEGINNING WORK.



SPOT REPAIR TYPICAL SECTIONS
VARIOUS LOCATIONS IDENTIFIED IN THE PLANS



GLACIER SPUR ROAD
(CURB, GUTTER, & SIDEWALK SECTION)
2" OVERLAY
STA 198+97 TO STA 208+35 (EOP)
NTS



GLACIER SPUR ROAD
2" OVERLAY
STA 140+00 TO STA 198+97
NTS

CORE	LOCATION	THICKNESS
BH-1	136+78 - LT. LANE	5"
BH-2	137+05 - RT. LANE	3 1/2"

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. HOWARD
DESIGNED BY: D. MULLINER
DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES-SOUTHEAST REGION

JNU
GLACIER SPUR PAVEMENT REHABILITATION
PROJECT #69348

TYPICAL SECTIONS

PATH: Q:\JNU\69348\PLANSET\69348_B1_TYP.DWG
TAB: B1 Tuesday, May 25, 2010 9:06:35 AM MULLINER, DOUGLAS J (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			69348	2010	B1	13

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	QUANTITY
202 (9)	REMOVAL OF CURB AND GUTTER	LINEAR FOOT	~~935~~ 926.0
203 (19)	SUBGRADE REPAIR	CONTINGENT SUM	ALL REQUIRED
301 (1)	AGGREGATE BASE COURSE, GRADING D-1	TON	~~22~~ 0
303 (3)	LINEAR GRADING	STATION	~~148~~ 125.12
401 (1)	ASPHALT CONCRETE, SP, CLASS B	TON	~~3800~~ 3921.36
401 (2)	ASPHALT CEMENT, GRADE PG 64-28	TON	~~230~~ 250.55
401 (6)	ASPHALT PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
402 (1)	STE-1 ASPHALT FOR TACK COAT	TON	~~15~~ 14.16
408 (1)	ASPHALT COLD PLANING	SQUARE YARD	~~2000~~ 2255.10
604 (4)	ADJUST EXISTING MANHOLE	EACH	~~4~~ 0
604 (8)	CURB INLET	EACH	4
608 (3)	ASPHALT SIDEWALK	SQUARE YARD	~~935~~ 884.10
609 (2)	CURB AND GUTTER, TYPE I	LINEAR FOOT	~~935~~ 926.0
615 (1)	STANDARD SIGN	SQUARE FOOT	~~175~~ 170.61
627(10)	ADJUSTMENT OF VALVE BOX	EACH	1
632 (1)	PAVING FABRIC	SQUARE YARD	~~165~~ 334.80
638 (1)	FIBER ROLL	LINEAR FOOT	~~1000~~ 1300.0
639 (3)	DRIVEWAY	EACH	~~13~~ 14
640 (1)	MOBILIZATION AND DEMOBILIZATION	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
642 (1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
642 (9)	REFERENCE EXISTING MONUMENT	EACH	3
642 (11)	ADJUST EXISTING MONUMENT CASE	EACH	3
642 (13)	PROTECT BASE LINE MONUMENT	EACH	4
643 (2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
643 (15)	FLAGGING	CONTINGENT SUM	ALL REQUIRED
643 (25)	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQUIRED
660 (14)	J-BOX ADJUSTMENT	EACH	2
670 (8)	RECESSED PAVEMENT MARKER	EACH	~~200~~ 117
670 (13)	INLAID METHYL METHACRYLATE PAVEMENT MARKINGS	LUMP SUM	ALL REQUIRED

BASIS OF ESTIMATE

ITEM NO.	ITEM	ESTIMATING FACTOR
401 (1)	ASPHALT CONCRETE, SP, TYPE B	120 LBS./S.Y./IN.
401 (2)	ASPHALT CEMENT, GRADE PG 64-28	6.0% OF ITEM 401(1)
402 (1)	STE-1 ASPHALT FOR TACK COAT	0.1 GAL/S.Y. (243 GAL/TON)

UTILITY COMPANY POINTS OF CONTACT

"CALL BEFORE YOU DIG 586-1333"

ELECTRIC	ALASKA ELECTRIC LIGHT & POWER CO. (AEL&P)	DARRELL WETHERALL	463-6316
TELEPHONE	ALASKA COMMUNICATIONS SYSTEMS (ACS)	MONTY WILLIAMS	463-8987
SEWER	CITY AND BOROUGH OF JUNEAU	TOM TREGO	790-2525 EXT.35
WATER	CITY AND BOROUGH OF JUNEAU	DAVE CRABTREE	780-6808
CABLE	GCI	GREG FARMER	463-1434

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. HOWARD

STATE OF ALASKA 49th CHAD J. HOWARD CE-10835 REGISTERED PROFESSIONAL ENGINEER 5-26-10

DESIGNED BY: D. MULLINER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES-SOUTHEAST REGION

JNU
GLACIER SPUR PAVEMENT
REHABILITATION
PROJECT #69348

ESTIMATE OF QUANTITIES

PATH: Q:\JNU\69348\PLANSET\69348_C1_EST.DWG

TAB: C1 Tuesday, May 25, 2010 2:15:06 PM MULLINER, DOUGLAS J (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			69348	2010	C1	13

615 (1) STANDARD SIGN SUMMARY

SIGN #	LEGEND	STATION	OFFSET	ASDS CODE	WIDTH (IN)	HEIGHT (IN)	AREA (SQ FT)	POST	SIGN FACING	COMMENTS
1	CAMPING	136+75	LT	D9-3	24	24	4.00	-	NB	MANUFACTURE SIGNS #1 AND #2 AS A SINGLE SIGN. MOUNT ON ELECTROLIER
2	RIGHT DIRECTIONAL ARROW	136+75	LT	D9-301R	24	6	1.00	-	NB	SEE ABOVE NOTE. SIGN #2 TO BE BELOW SIGN #1
3	↑ AIRPORT // AUKE BAY →	137+71	LT	D1-2-2	72	24	12.00	WOOD	NB	6" UPPERCASE LETTERS, 4.5" LOWERCASE 5W FONT
4	GLACIER SPUR RD	138+14	LT	D3-1	48	8	2.67	-	EB/WB	MOUNT ABOVE SIGN # 6. USE 4" LETTERS, FONT SERIES C.
5	EYELET CT	138+14	LT	D3-1	30	8	1.67	-	NB/SB	MOUNT ABOVE SIGN # 6. USE 4" LETTERS, FONT SERIES C.
6	STOP	138+14	LT	R1-1	30	30	6.25	2.5 PST	WB	
7	GLACIER SPUR RD	139+63	~~LT~~ RT	D3-1	48	8	2.67	-	EB/WB	MOUNT ABOVE SIGN # 9. USE 4" LETTERS, FONT SERIES C.
8	THREADNEEDLE ST	139+63	~~LT~~ RT	D3-1	48	8	2.67	-	NB/SB	MOUNT ABOVE SIGN #9. USE 4" LETTERS, FONT SERIES C.
9	STOP	139+63	~~LT~~ RT	R1-1	30	30	6.25	2.5 PST	EB	
10	GLACIER SPUR RD	143+56	LT	D3-1	48	8	2.67	-	EB/WB	MOUNT ABOVE SIGN # 12. USE 4" LETTERS, FONT SERIES C.
11	COUNTERPANE LN	143+56	LT	D3-1	48	8	2.67	-	NB/SB	MOUNT ABOVE SIGN # 12. USE 4" LETTERS, FONT SERIES C.
12	STOP	143+56	LT	R1-1	30	30	6.25	2.5 PST	WB	
13	GLACIER SPUR RD	145+04	RT	D3-1	48	8	2.67	-	EB/WB	MOUNT ABOVE SIGN # 15. USE 4" LETTERS, FONT SERIES C.
14	GARNET ST	145+04	RT	D3-1	30	8	1.67	-	NB/SB	MOUNT ABOVE SIGN # 15. USE 4" LETTERS, FONT SERIES C.
15	STOP	145+04	RT	R1-1	30	30	6.25	2.5 PST	EB	
16	SPEED LIMIT 40	145+44	LT	R2-1	30	36	7.50	2.5 PST	SB	
17	SPEED LIMIT 40	147+23	RT	R2-1	30	36	7.50	-	SB	MOUNT ON ELECTROLIER
18	GLACIER SPUR RD	149+34	LT	D3-1	48	8	2.67	-	EB/WB	MOUNT ABOVE SIGN # 20. USE 4" LETTERS, FONT SERIES C.
19	GLADSTONE ST	149+34	LT	D3-1	42	8	2.33	-	NB/SB	MOUNT ABOVE SIGN # 20. USE 4" LETTERS, FONT SERIES C.
20	STOP	149+34	LT	R1-1	30	30	6.25	2.5 PST	WB	
21	YIELD	150+81	RT	R1-2	24	24	4.00	2.5 PST	EB	
22	NO MOTOR VEHICLES	151+17		R5-3	18	18	2.25	2.5 PST		
23	SPEED LIMIT 40	164+36	LT	R2-1	30	36	7.50	2.5 PST	SB	
24	SPEED LIMIT 30	184+62	RT	R2-1	30	36	7.50	2.5 PST	SB	
25	SPEED LIMIT 40	184+75	LT	R2-1	30	36	7.50	2.5 PST	NB	
26	STOP	197+65	LT	R1-1	30	30	6.25	2.5 PST	WB	
27	ADOPT A HIGHWAY	199+70	LT	I-150	30	36	7.50	2.5 PST	NB	THE MENDENHALL FLYING LIONS CLUB
28	SPEED LIMIT 20	200+59	RT	R2-1	30	36	7.50	2.5 PST	SB	
29	SPEED LIMIT 30	200+75	LT	R2-1	30	36	7.50	2.5 PST	NB	
30	END ROAD 1000 FT	201+40	RT	W14-101	36	36	9	-	SB	MOUNT ON FLASHING LIGHT POLE
31	BEAR XING	201+40	RT	-	-	-	-	-	SB	EXISTING SIGN TO REMAIN
32	END ROAD 500 FT	206+42	RT	W14-101	36	36	9	-	SB	MOUNT ON FLASHING LIGHT POLE
33	SPEED LIMIT 20	207+75	LT	R2-1	30	36	7.50	2.5 PST	NB	

639 (3) DRIVEWAY

STATION	OFFSET	WIDTH (ft)	LENGTH (ft)	REMARKS
137+36	RT	24	5	PAVED DRIVEWAY
140+34	RT	20	5	PAVED DRIVEWAY
141+65	RT	20	5	PAVED DRIVEWAY
142+31	LT	22	5	PAVED DRIVEWAY
143+21	RT	18	5	PAVED DRIVEWAY
145+06	LT	15	5	PAVED DRIVEWAY
146+23	LT	25	5	PAVED DRIVEWAY
146+96	RT	20	5	PAVED DRIVEWAY
147+19	LT	15	5	PAVED DRIVEWAY
148+14	RT	20	5	PAVED DRIVEWAY
151+34	LT	18	5	PAVED DRIVEWAY
188+69	RT	22	5	GRAVEL DRIVEWAY
198+~~200~~	LT	~~125~~	5	PAVED DRIVEWAY (BUS PARKING)
203+00	LT	177	4.2	Paved Driveway (Parking Lot)

642 (11) ADJUST EXISTING MONUMENT CASE

STATION	REMARKS
136+62	4' LT. MON CASE W/ 2' X 2' CONCRETE COLLAR
139+30	C.L. MON CASE W/ 2' X 2' CONCRETE COLLAR (THREADNEEDLE STREET)
144+81	C.L. MON CASE W/ 2' X 2' CONCRETE COLLAR (GARNET STREET)

642 (13) PROTECT BASE LINE MONUMENT

STATION	OFFSET	REMARKS
147+23	RT	DO NOT DISTURB (NGS BASE LINE MONUMENT)
152+13	RT	DO NOT DISTURB (NGS BASE LINE MONUMENT)
160+70	RT	DO NOT DISTURB (NGS BASE LINE MONUMENT)
180+16	RT	DO NOT DISTURB (NGS BASE LINE MONUMENT)

NOTE: RIGHT SHOULDER MONUMENTS AT STATIONS; 147+23, 152+13, 160+70 AND 180+16 ARE NOT TO BE TAMPERED WITH IN ANY WAY. REFERENCE THE LOCATION OF THESE MONUMENTS. THE CONTRACTOR SHALL FILL MONUMENT CASES WITH A SUITABLE MATERIAL AS DETERMINED BY THE ENGINEER PRIOR TO PAVING. AT THE CONCLUSION OF PAVING, THE MONUMENT CASES SHALL BE SAW CUT OUT AND THE MATERIAL REMOVED.

604 (4) ADJUSTMENT OF EXISTING MANHOLES

STATION	OFFSET	REMARKS
~~143+67~~	~~27' LT~~	~~SSMH (COUNTERPANE LANE)~~
~~144+81~~	~~41' RT~~	~~SSMH (GARNET STREET)~~
~~149+63~~	~~27' LT~~	~~SSMH (GLADSTONE STREET)~~
~~178+05~~	~~20' RT~~	~~ELECTRICAL MANHOLE~~

627 (10) ADJUSTMENT OF VALVE BOX

STATION	OFFSET	REMARKS
144+63	28' RT	WV (GARNET STREET)

604 (8) CURB INLET

STATION	OFFSET	REMARKS
203+60	RT	
205+14	RT	
205+90	RT	
207+41	RT	

660 (14) J-BOX ADJUSTMENT

STATION	OFFSET	REMARKS
201+19	RT	
205+06	RT	

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CHECKED BY: C. HOWARD

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES-SOUTHEAST REGION

JNU
GLACIER SPUR PAVEMENT
REHABILITATION
PROJECT #69348

SUMMARIES

STATE OF ALASKA · 49th · CHAD D. HOWARD · CE-10835 · REGISTERED PROFESSIONAL ENGINEER
5-26-10

DESIGNED BY: D. MULLINER
DRAWN BY: R. GRANTHAM
PATH: Q:\JNU\69348\PLANSET\69348_D1_SUMS.DWG
TAB: D1 Tuesday, May 25, 2010 4:07:44 PM MULLINER, DOUGLAS J (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			69348	2010	D1	13

PATH: Q:\JNU\69348\PLANSET\69348_F1-F5_PLAN.DWG

GRANTHAM, RICK L (DOT)
TAB: F1 Wednesday, May 26, 2010 11:50:37 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

STA 140+00
BEGIN 2" OVERLAY AND SPOT REPAIRS

BOP
STA 136+05

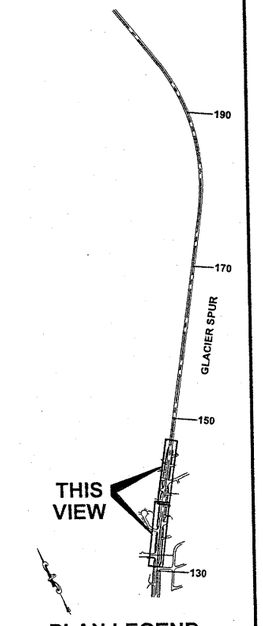
CURVE DATA
R=5729.58
Δ=04°24'09"
L=440.26
T=220.24

LEGEND

- PROFILE FLOW
- SURFACE FLOW
- EXISTING CULVERT FLOW
- FISH STREAM
- FIBER ROLL (FR—FR)
- EXISTING DRAIN PATTERN

SPOT REPAIR AREA

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PLAN LEGEND

CHECKED BY: C. HOWARD

DESIGNED BY: D. MULLINER

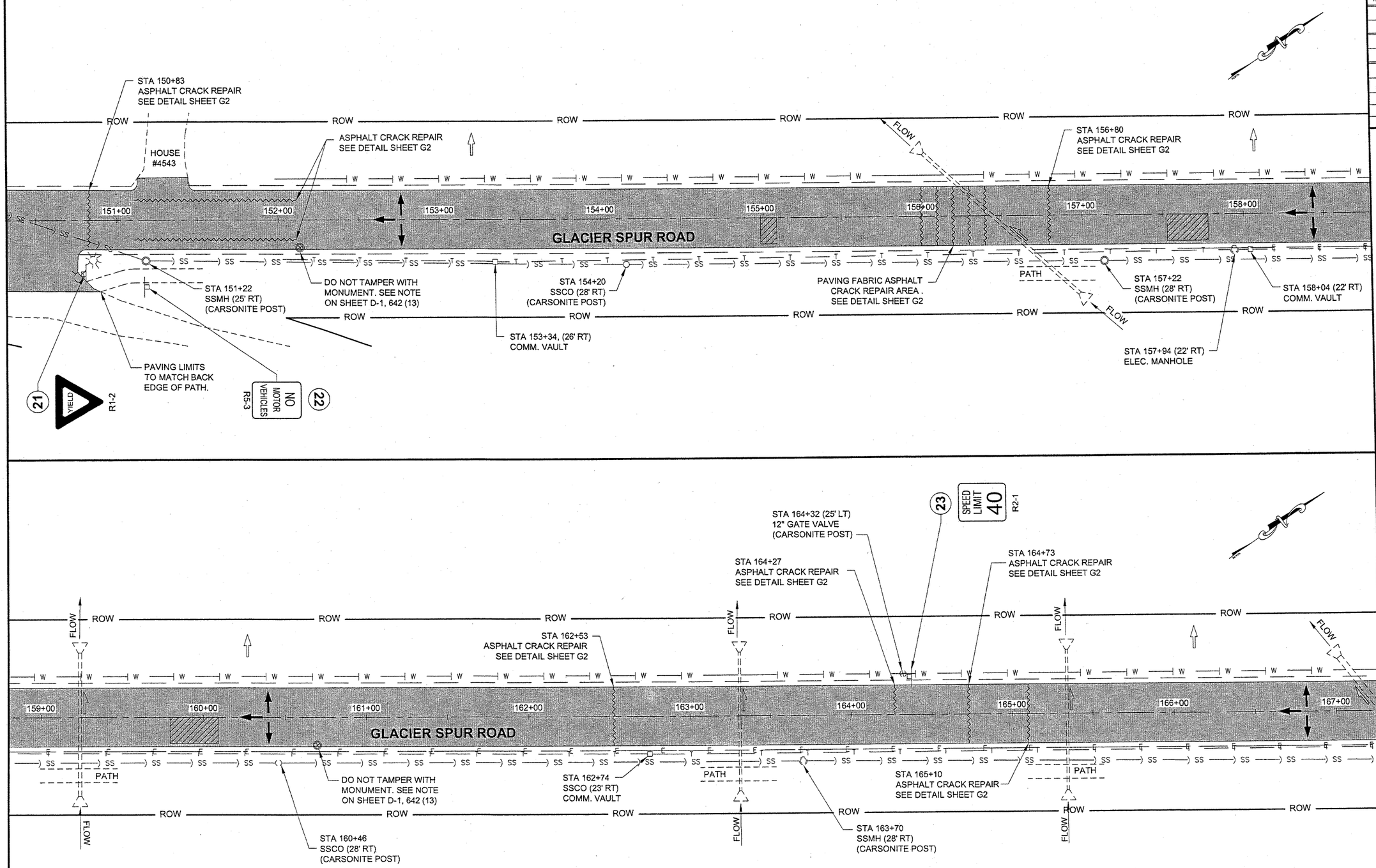
DRAWN BY: R. GRANTHAM

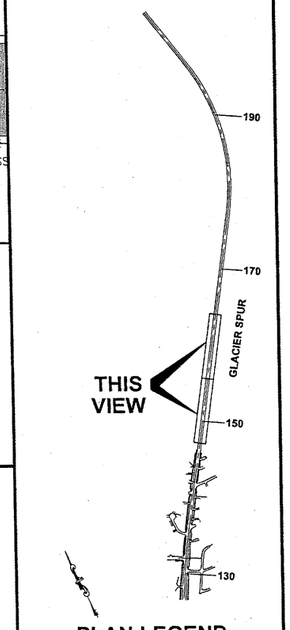
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

JNU
GLACIER SPUR PAVEMENT
REHABILITATION
PROJECT #69348

PLAN VIEW

PROJECT DESIGNATION	
69348	
STATE	YEAR
ALASKA	2010
SHEET NUMBER	TOTAL SHEETS
F1	13





PLAN LEGEND

SPOT REPAIR AREA

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\JNU\69348\PLANSET\69348_F1-F5_PLAN.DWG

GRANTHAM, RICK L (DOT)
TAB: F2 Wednesday, May 26, 2010 1:16:50 PM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

CHECKED BY: C. HOWARD

STATE OF ALASKA
49th
CHAD J. HOWARD
CE-10835
REGISTERED PROFESSIONAL ENGINEER
5-26-10

DESIGNED BY: D. MULLINER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

JNU
GLACIER SPUR PAVEMENT
REHABILITATION
PROJECT #69348

PLAN VIEW

PROJECT DESIGNATION	
69348	
STATE	YEAR
ALASKA	2010
SHEET NUMBER	TOTAL SHEETS
F2	13

PATH: Q:\JNU\69348\PLANSET\69348_F1-F5_PLAN.DWG

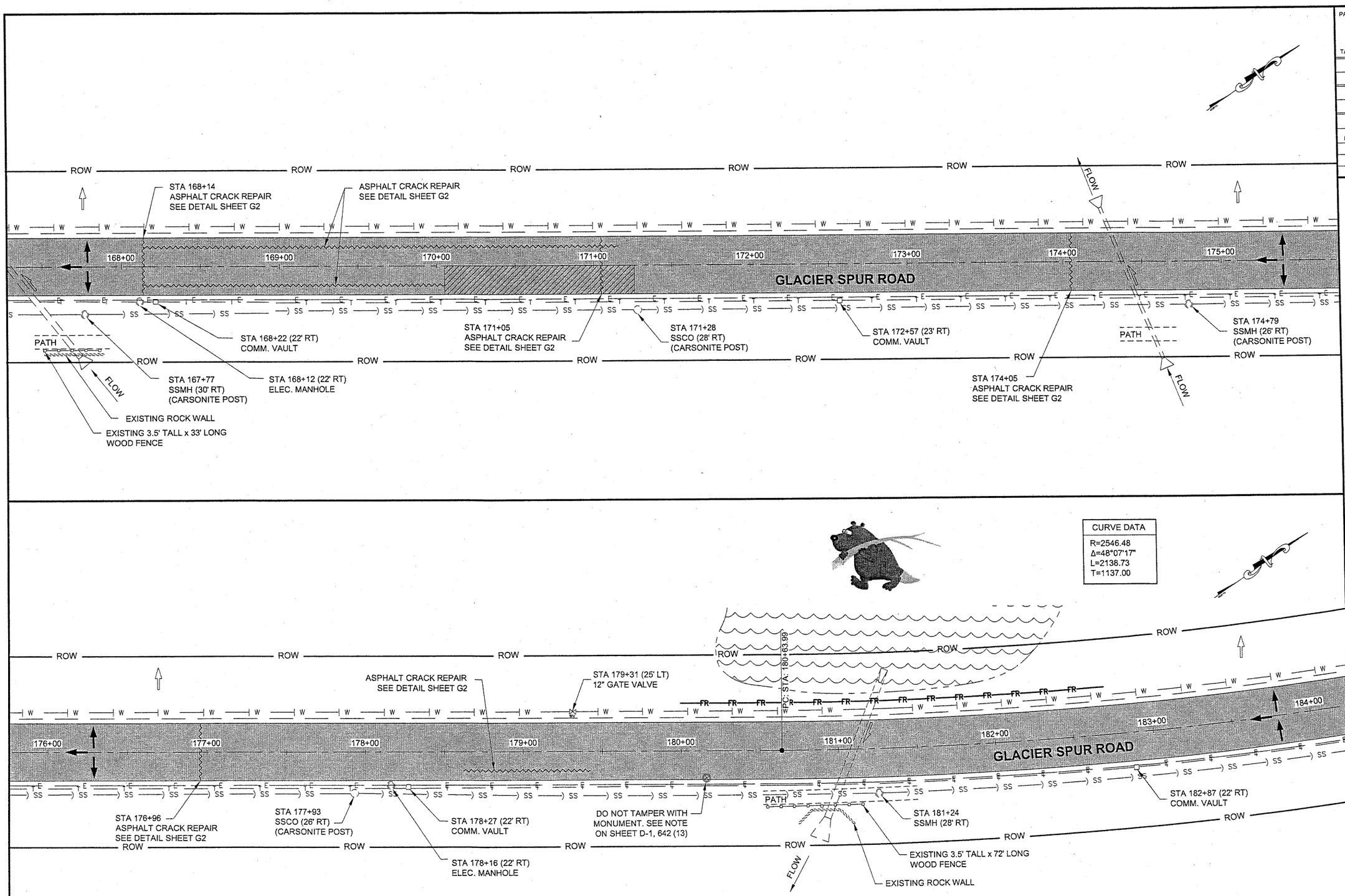
GRANTHAM, RICK L (DOT)
TAB: F3 Wednesday, May 26, 2010 1:20:54 PM

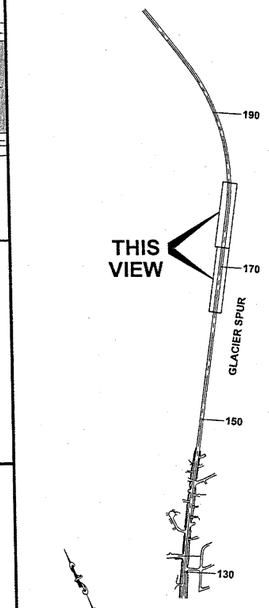
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION





PLAN LEGEND

SPOT REPAIR AREA

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. HOWARD

STATE OF ALASKA
49th
CHAD J. HOWARD
CE-10835
REGISTERED PROFESSIONAL ENGINEER
5-26-10

DESIGNED BY: D. MULLINER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

JNU
GLACIER SPUR PAVEMENT
REHABILITATION
PROJECT #69348

PLAN VIEW

PROJECT DESIGNATION	
69348	
STATE	YEAR
ALASKA	2010
SHEET NUMBER	TOTAL SHEETS
F3	13

PATH: Q:\JNU\69348\PLANSET\69348_F1-F5_PLAN.DWG

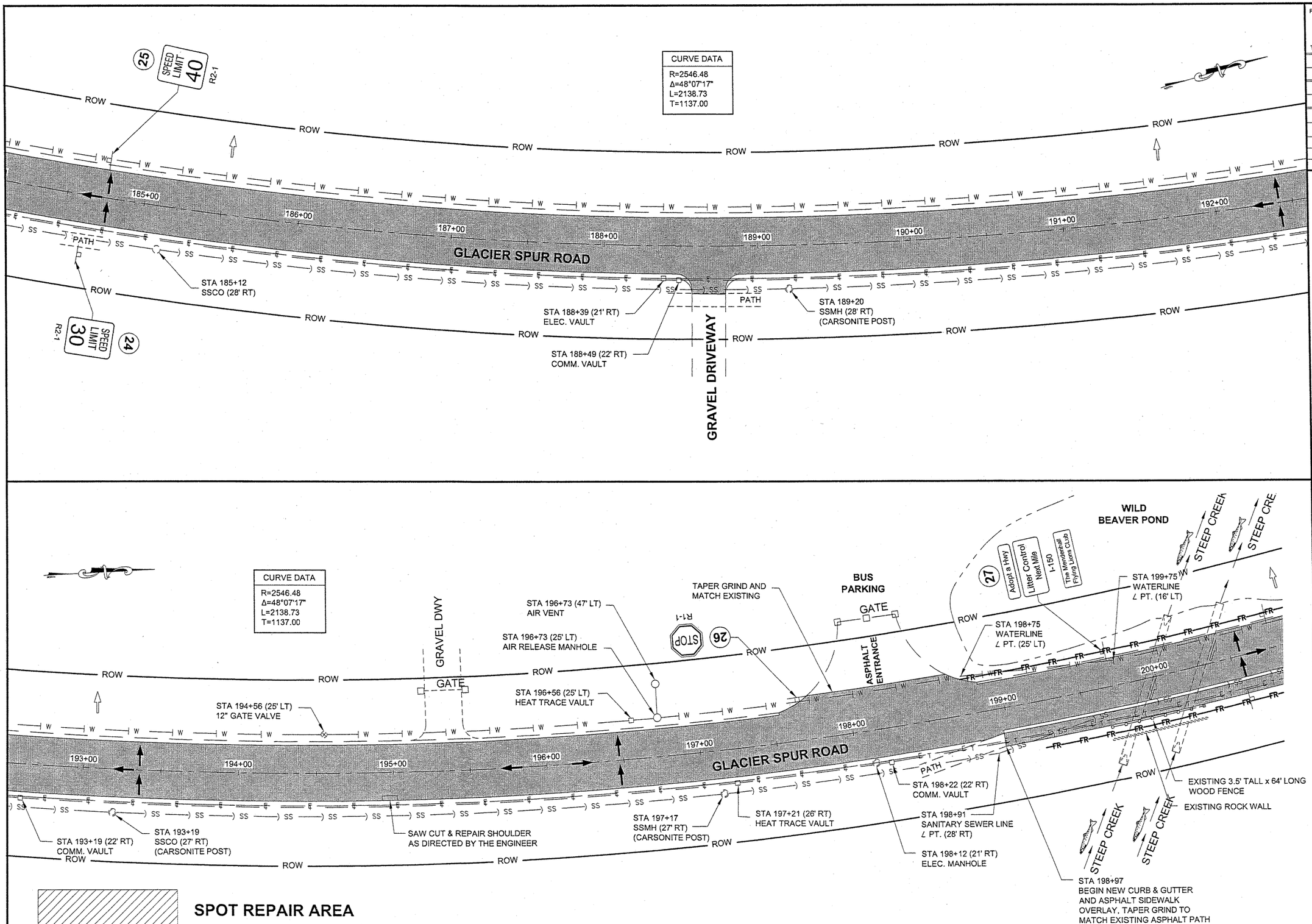
MULLINER, DOUGLAS J (DOT)
TAB: F4 Monday, May 24, 2010 1:30:04 PM

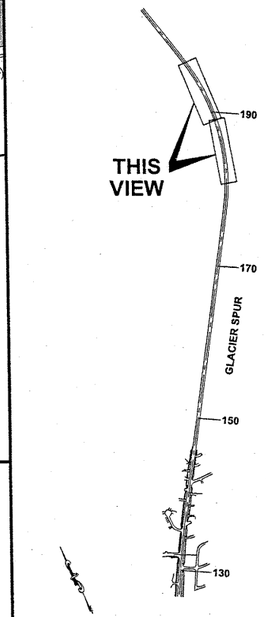
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION





PLAN LEGEND

CHECKED BY: C. HOWARD

STATE OF ALASKA
49th
CHAD J. HOWARD
CE-10835
REGISTERED PROFESSIONAL ENGINEER
5-26-10

DESIGNED BY: D. MULLINER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

JNU
GLACIER SPUR PAVEMENT
REHABILITATION
PROJECT #69348

PLAN VIEW

PROJECT DESIGNATION	
69348	
STATE	YEAR
ALASKA	2010
SHEET NUMBER	TOTAL SHEETS
F4	13

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\JNU\69348\PLANSET\69348_F1-F5_PLAN.DWG

MULLINER, DOUGLAS J (DOT)
TAB: F5 Monday, May 24, 2010 1:53:06 PM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

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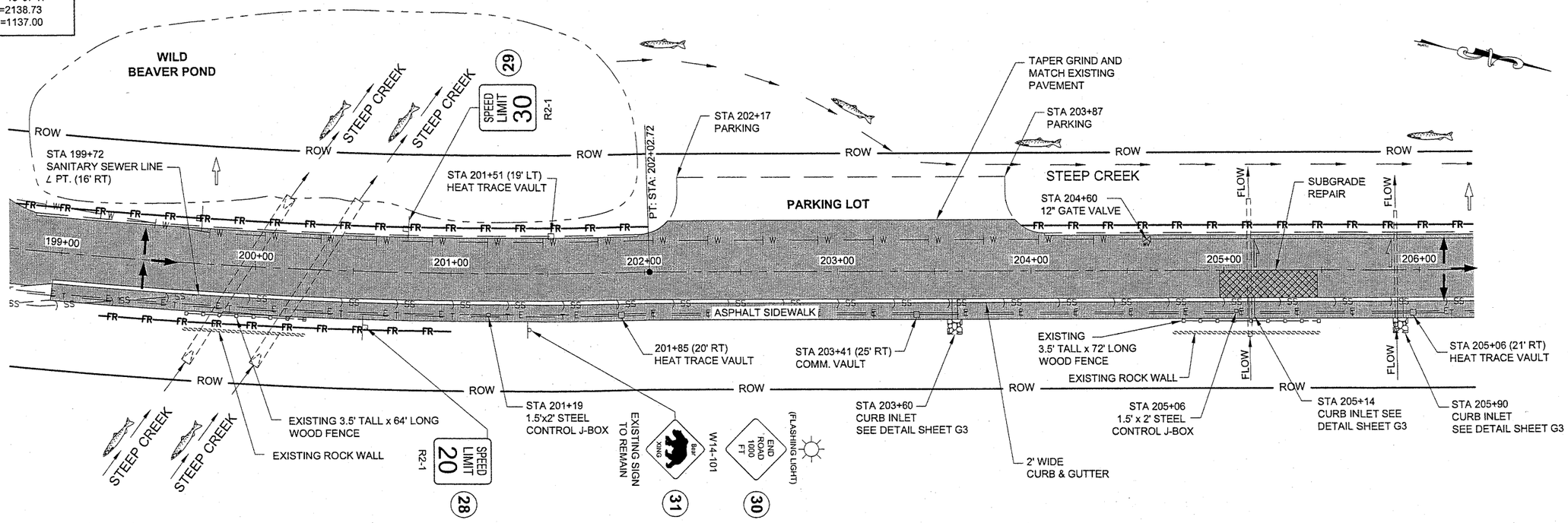
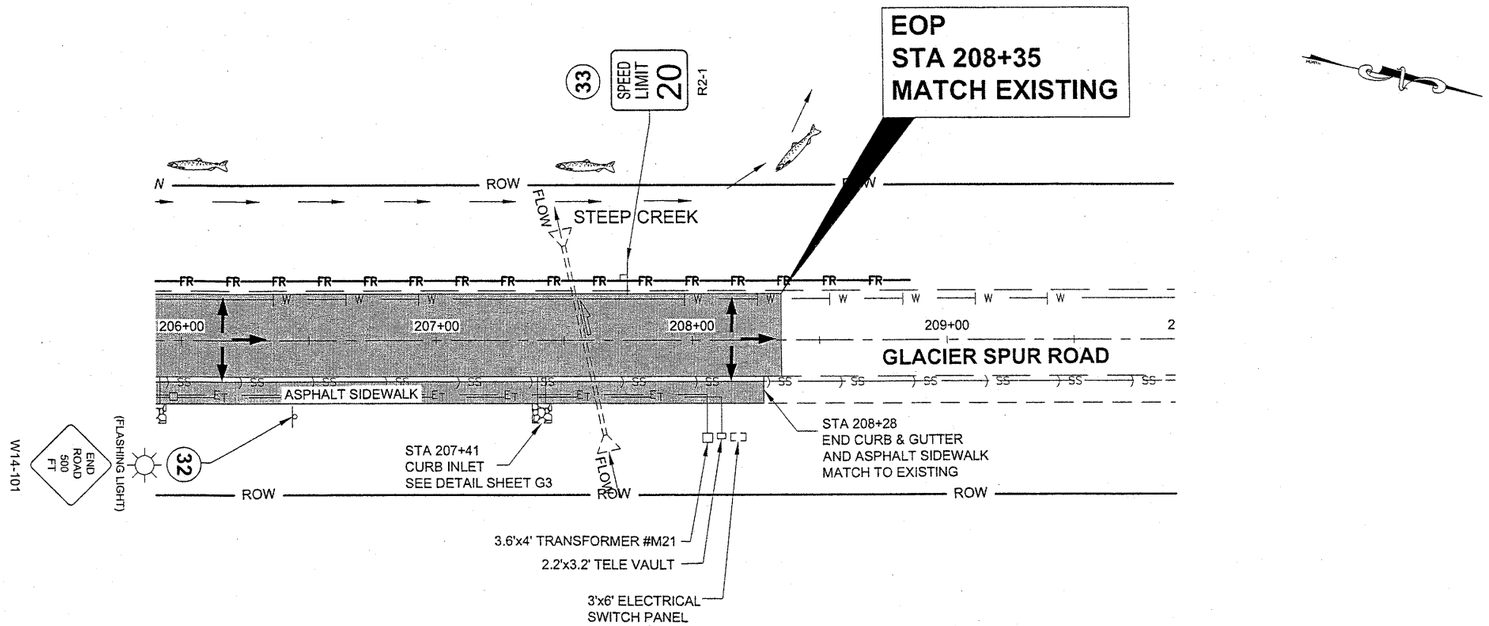
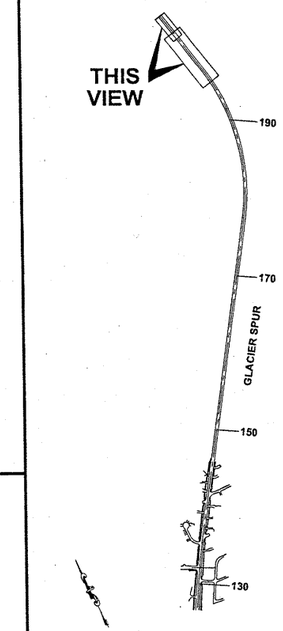






PLAN LEGEND

CHECKED BY: C. HOWARD

STATE OF ALASKA
CHAD J. HOWARD
CE-10835
REGISTERED PROFESSIONAL ENGINEER
5-26-10

DESIGNED BY: D. MULLINER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

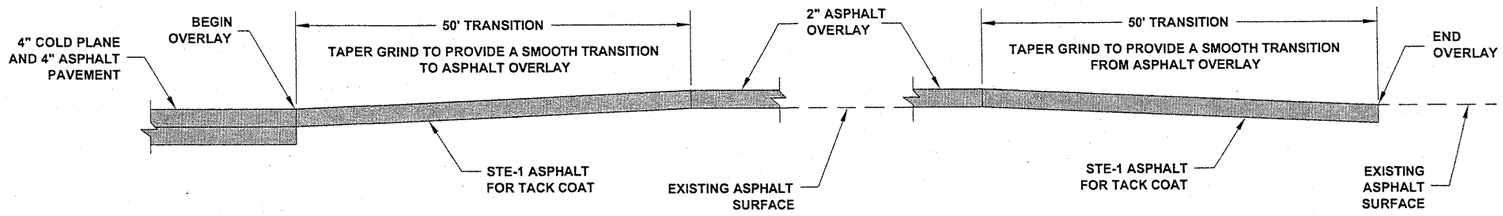
JNU
GLACIER SPUR PAVEMENT
REHABILITATION
PROJECT #69348

PLAN VIEW

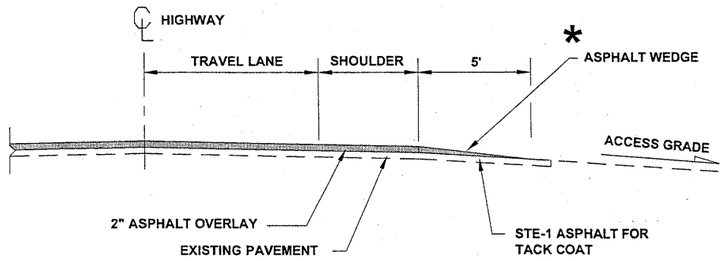
PROJECT DESIGNATION	
69348	
STATE	YEAR
ALASKA	2010
SHEET NUMBER	TOTAL SHEETS
F5	13

SPOT REPAIR AREA

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

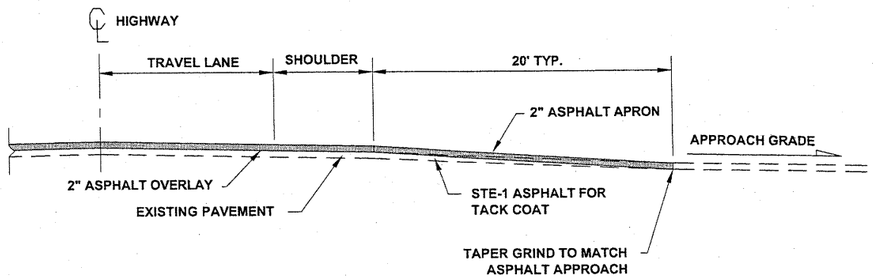


PAVEMENT MATCH JOINT DETAIL

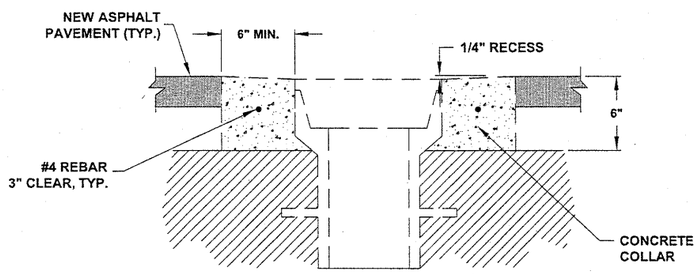


TYPICAL DRIVEWAY PROFILE

* CONSTRUCT AN ASPHALT WEDGE TO PROVIDE A SMOOTH TRANSITION TO PAVED DRIVEWAYS. PROVIDE FULL 2" ASPHALT PAVEMENT THICKNESS AND MATCH TO GRAVEL DRIVEWAYS.



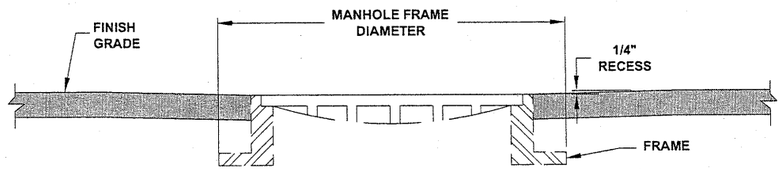
TYPICAL STREET APPROACH PROFILE



NOTE: RIGHT SHOULDER MONUMENTS AT STATIONS; 147+23, 152+13, 160+70 AND 180+16 ARE NOT TO BE TAMPERED WITH IN ANY WAY. REFERENCE THE LOCATION OF THESE MONUMENTS. THE CONTRACTOR SHALL FILL MONUMENT CASES WITH A SUITABLE MATERIAL AS DETERMINED BY THE ENGINEER PRIOR TO PAVING. AT THE CONCLUSION OF PAVING, THE MONUMENT CASES SHALL BE SAW CUT OUT AND THE MATERIAL REMOVED.

CENTERLINE MONUMENT CASE AND VALVE BOX ADJUSTMENT DETAIL

N.T.S.

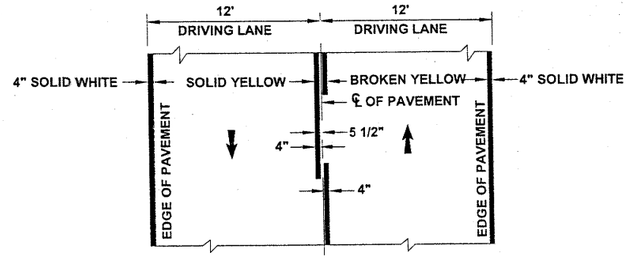


MANHOLE ADJUSTMENT NOTES:

1. ADJUSTING RINGS SHALL BE REPLACED IN ACCORDANCE TO EACH MANHOLE INVESTIGATION, CONDUCTED BY THE PROJECT ENGINEER.
2. MANHOLE CASTING SHALL BE ADJUSTED TO CONFORM WITH SLOPE AND GRADE OF PROPOSED PAVEMENT.
3. ADJUSTING RINGS SHALL BE PROPERLY SIZED FOR THE EXISTING CONE OR FLAT TOP OPENING, AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
4. INSTALLATION OF FRAME, COVER, AND ADJUSTMENT RINGS, ONTO THE EXISTING STRUCTURE SHALL BE WATER-TIGHT.

MANHOLE ADJUSTMENT DETAIL

N.T.S.



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.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. HOWARD

STATE OF ALASKA, 49th, CHAD J. HOWARD, CE-10935, REGISTERED PROFESSIONAL ENGINEER, 5-26-10

DESIGNED BY: D. MULLINER

DRAWN BY: R. GRANTHAM

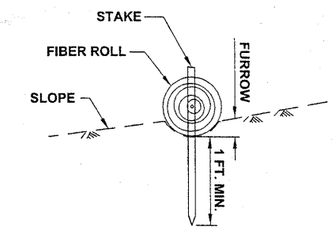
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES-SOUTHEAST REGION

JNU
GLACIER SPUR PAVEMENT REHABILITATION
PROJECT #69348

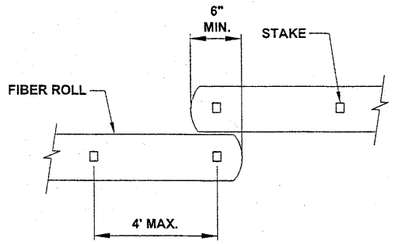
MISC. DETAILS

PATH: Q:\JNU\69348\PLANSET\69348_G1-G3_MISC DTL.DWG
TAB: G1 Monday, May 24, 2010 1:55:05 PM MULLINER, DOUGLAS J (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			69348	2010	G1	13

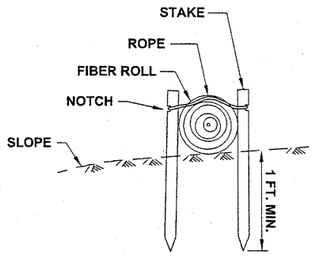


SECTION



PLAN

FIBER ROLL (TYPE 1)



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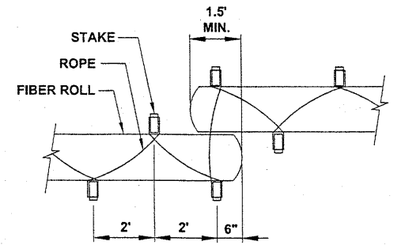
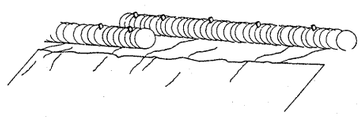


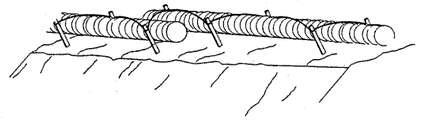
PLAN

FIBER ROLL (TYPE 2)



PERSPECTIVE

FIBER ROLL (TYPE 1)



PERSPECTIVE

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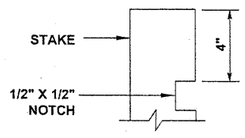


ELEVATION

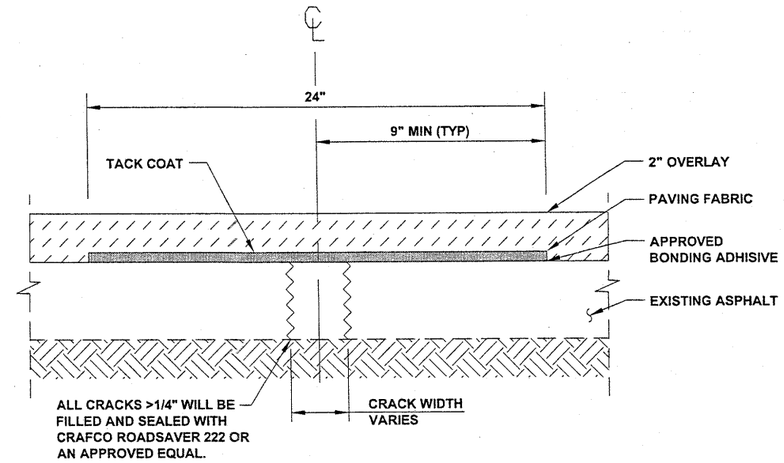
TYPICAL FIBER ROLL DETAIL

NOTES:

1. THE LOCATION AND LENGTH OF FIBER ROLLS IS DEPENDENT ON THE CONDITION OF THE SITE.
2. LAP ADJACENT FIBER ROLLS TO PREVENT SEDIMENT BYPASS.
3. ANCHOR AS NECESSARY TO FIRMLY SECURE FIBER ROLLS AND PROVIDE CONTINUOUS CONTACT WITH THE SURFACE ON WHICH IT IS INSTALLED.

EROSION & SEDIMENT CONTROL NOTES:

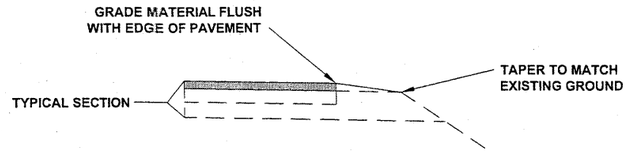
1. REFER TO APPENDIX B OF THE CONTRACT DOCUMENTS FOR THE ENVIRONMENTAL COMMITMENTS.
2. THE LOCATIONS OF TEMPORARY EROSION & SEDIMENT POLLUTION CONTROLS ARE RECOMMENDATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE AND IMPLEMENT A SWPPP ACCORDING TO SECTION 641 OF THE SPECS.
3. INSTALL EROSION AND SEDIMENT CONTROL DEVICES BEFORE BEGINNING EARTH DISTURBING ACTIVITIES AND COLD PLANING OR AS SPECIFIED ELSEWHERE.
4. MAINTAIN DEVICES. MONITOR DAILY. REMOVE SEDIMENT FROM SEDIMENT TRAPS WHEN 4" OF SEDIMENT HAS ACCUMULATED.



PAVING FABRIC/CRACK REPAIR

NOTES:

1. REFER TO SECTION 632 IN THE SPECIFICATIONS FOR SURFACE PREPARATION.
2. APPLY APPROVED TACK COAT OVER MEMBRANE PRIOR TO PAVING.
3. CRACK REPAIR PAID FOR UNDER ITEM 632(1) PAVING FABRIC.



LINEAR GRADING

LEFT AND RIGHT EDGE OF PAVEMENT

NOTES:

1. MATERIAL FOR LINEAR GRADING SHALL MATCH THE REQUIREMENTS OF AGGREGATE BASE COURSE D-1 OR RAM.
2. LINEAR GRADING SHALL BE PAID FOR UNDER ITEM 303 (3).

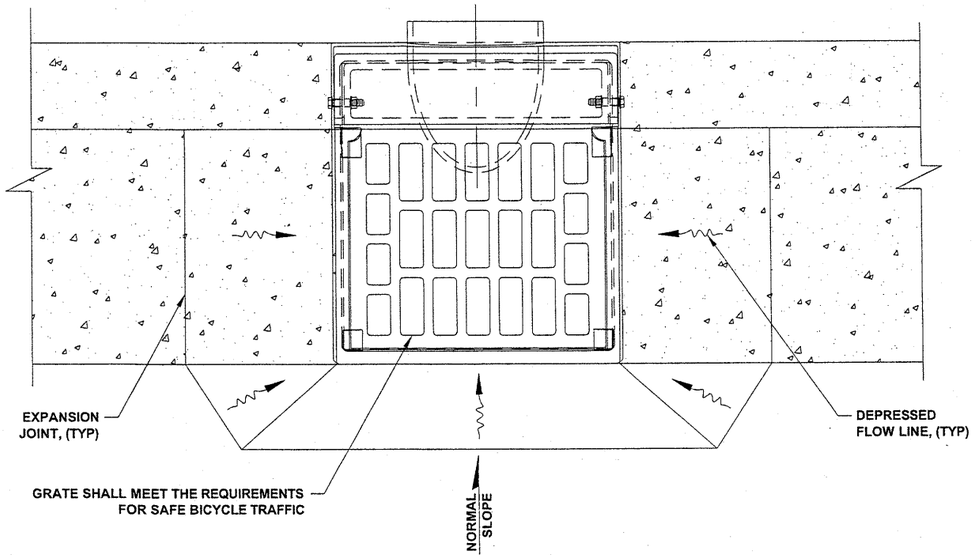
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. HOWARD	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES-SOUTHEAST REGION
STATE OF ALASKA 49th CHAD J. HOWARD CE-10835 REGISTERED PROFESSIONAL ENGINEER 5-26-10	JNU GLACIER SPUR PAVEMENT REHABILITATION PROJECT #69348
DESIGNED BY: D. MULLINER	**MISC. DETAILS**
DRAWN BY: R. GRANTHAM	
PATH: Q:\JNU\69348\PLANSET\69348_G1-G3_MISC DTL.DWG	
TAB: G2 Monday, May 24, 2010 2:06:54 PM MULLINER, DOUGLAS J (DOT)	

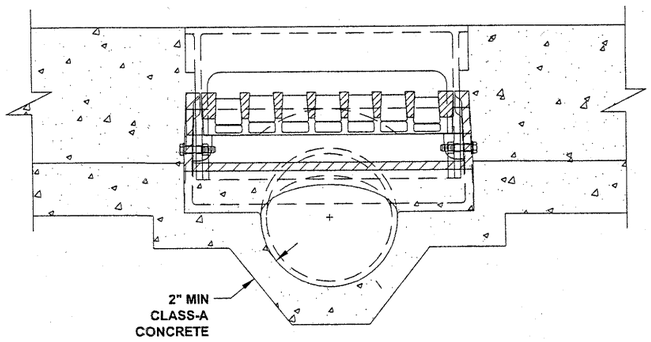
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			69348	2010	G2	13

CURB INLET NOTES:

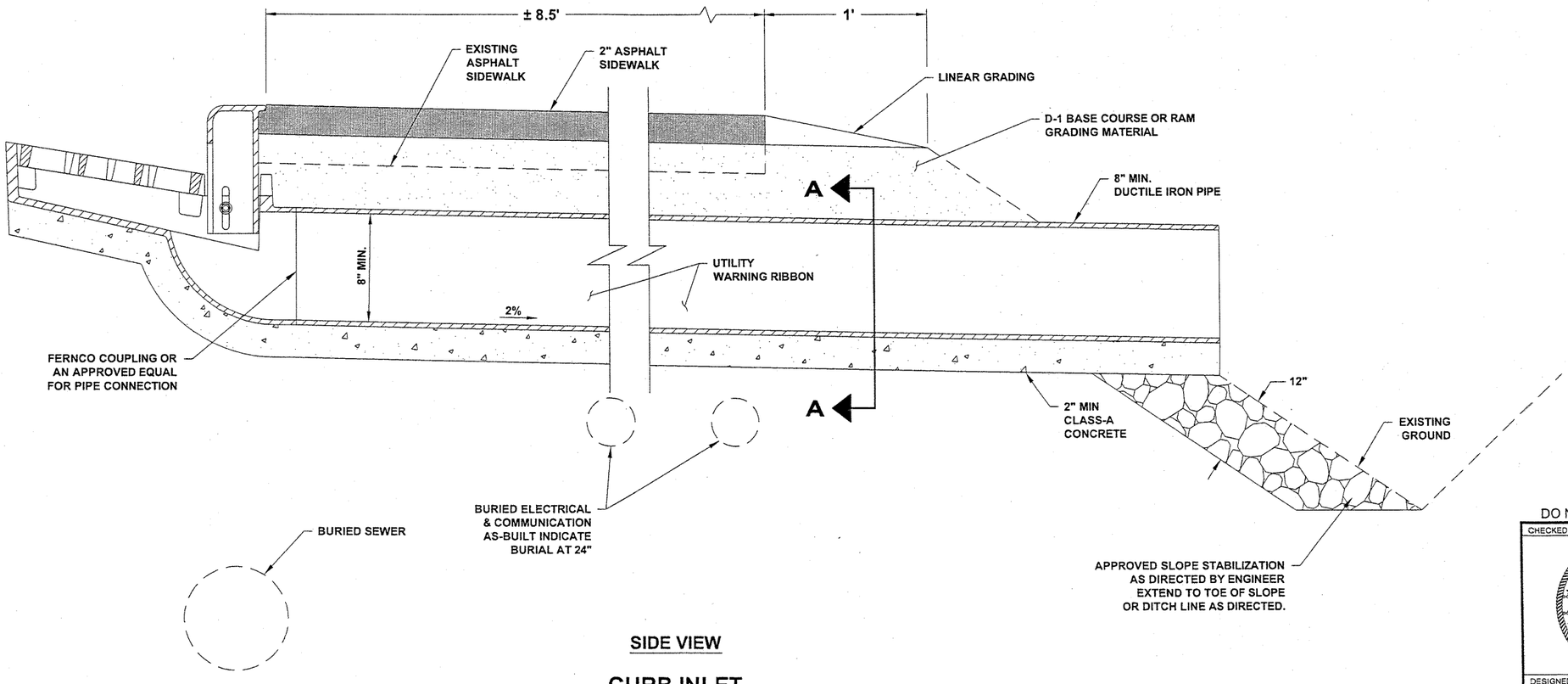
1. SEE STANDARD DRAWING D-23.01 DISREGARD NOTES 3, 4, & 5.
2. 8" R-3165 TYPE-A COMBINATION INLET FRAME, GRATE, AND CURB BOX (NEENAH FOUNDRY) OR APPROVED EQUAL
3. CONTRACTOR SHALL USE EXTREME CAUTION WHILE EXCAVATING NEAR EXISTING UTILITIES.



TOP VIEW



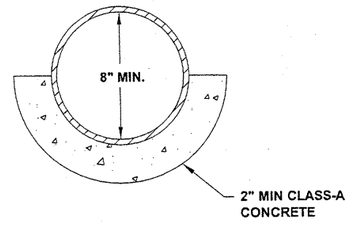
FRONT VIEW



SIDE VIEW

CURB INLET

N.T.S.



SECTION A-A

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. HOWARD

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES-SOUTHEAST REGION

STATE OF ALASKA 49th CHAD D. HOWARD CE-10835 REGISTERED PROFESSIONAL ENGINEER
5-26-10

JNU
GLACIER SPUR PAVEMENT REHABILITATION
PROJECT #69348

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

MISC. DETAILS

PATH: Q:\JNU\69348\PLANSET\69348_G1-G3_MISC DTL.DWG
TAB: G3 Tuesday, May 25, 2010 10:24:10 AM GRANTHAM, RICK L (DOT)

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
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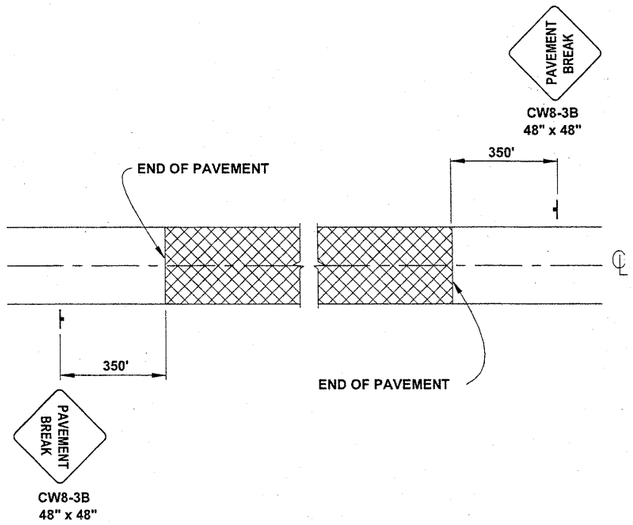
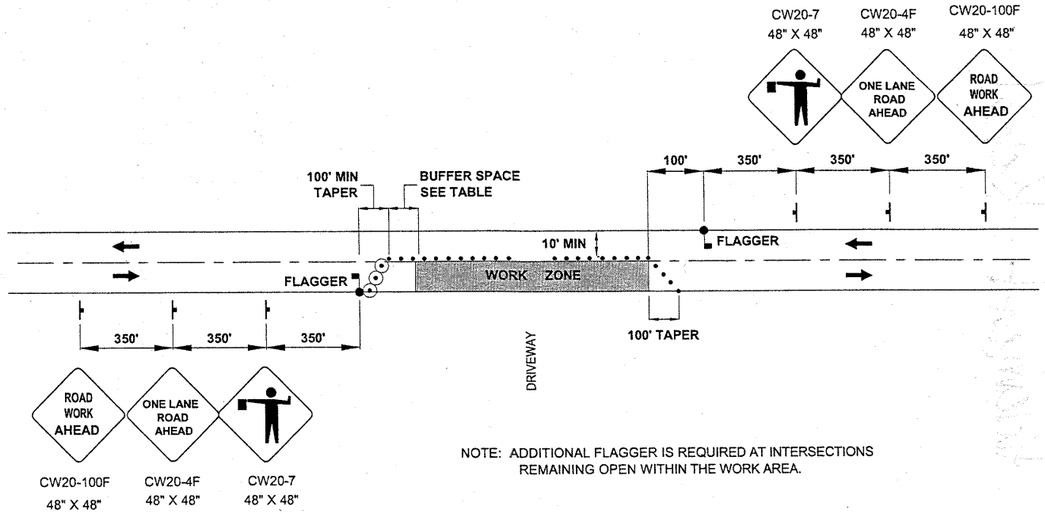
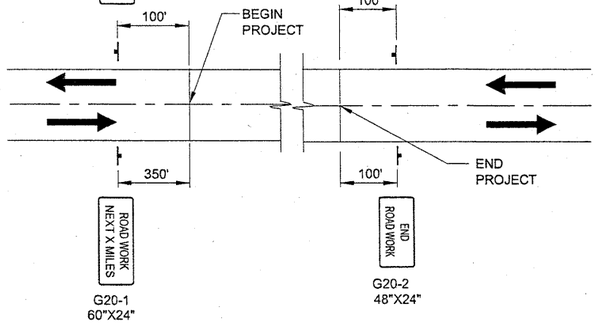


SIGNING FOR UNPAVED AREA



NOTE: ADDITIONAL FLAGGER IS REQUIRED AT INTERSECTIONS REMAINING OPEN WITHIN THE WORK AREA.

TWO LANE ROADWAY-SINGLE LANE CLOSURE



TEMPORARY CONSTRUCTION SIGNING

LEGEND

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

FORMULAS FOR L (TAPER LENGTH)

40 MPH OR LESS $L = \frac{WxS^2}{60}$

45 MPH OR GREATER $L = WxS$

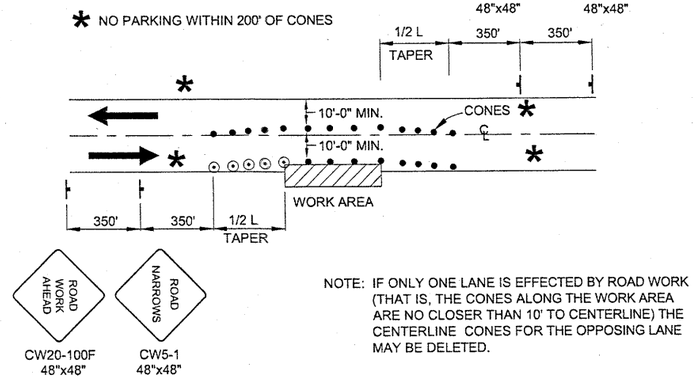
WHERE W= WIDTH OF OFFSET
S= POSTED SPEED LIMIT

DRUM OR CONE SPACING = S (IN FEET)

MIN. BUFFER	
S	LENGTH
20	35
25	55
30	85
35	120
40	170
45	220
50	280
55	335
60	415
65	485

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.



NOTE: IF ONLY ONE LANE IS EFFECTED BY ROAD WORK (THAT IS, THE CONES ALONG THE WORK AREA ARE NO CLOSER THAN 10' TO CENTERLINE) THE CENTERLINE CONES FOR THE OPPOSING LANE MAY BE DELETED.

ROADWAY ENCROACHMENT

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. EPSTEIN

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES-SOUTHEAST REGION

JNU
GLACIER SPUR PAVEMENT
REHABILITATION
PROJECT #69348

STATE OF ALASKA 49th
David B. Epstein
CE-6866
REGISTERED PROFESSIONAL ENGINEER
5.26.10

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

TRAFFIC CONTROL PLAN

PATH: Q:\JNU\69348\PLANSET\69348_H1_TRAF.DWG
TAB: H1 Monday, May 24, 2010 2:12:24 PM MULLINER, DOUGLAS J (DOT)

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
69348	2010	H1	13