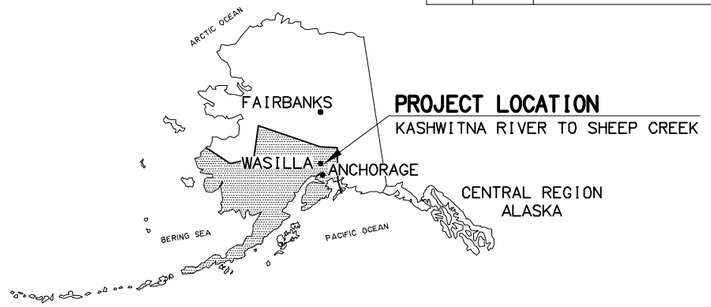
REVISIONS		
NO.	DATE	DESCRIPTION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	51850	2010	A1	41
ROUTE: 170000	MILEPOINT: 47.92 TO 54.71			

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES



PROPOSED HIGHWAY PROJECT

PARKS HIGHWAY M.P. 83-90, WEIGHT RESTRICTION ELIMINATION PROJECT 51850

GRADING, PAVING, AND STRIPING

INDEX	
SHEET NO.	DESCRIPTION
A1 TO A6	TITLE, LEGEND, LAYOUT, SURVEY CONTROL
B1 TO B3	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1 TO D2	SUMMARY SHEETS
E1 TO E2	DETAIL SHEETS
F1 TO F14	PLAN & PROFILE SHEETS
H1	SIGNING & STRIPING DETAILS
J1 TO J2	TRAFFIC CONTROL PLANS
K1 TO K10	EROSION & SEDIMENT CONTROL

PROJECT SUMMARY		
ROADWAY	LENGTH (MI.)	WIDTH (FT.)
PARKS HIGHWAY	7.0	32

DESIGN DESIGNATION	
FUNCTIONAL CLASS	RURAL ARTERIAL
A.A.D.T. (2008)	2,670
A.A.D.T. (2021)	3,680
D.H.V.	20%
D.	60/40
T.	16.4%
V. (mph)	65
EAL (2021)	862,000

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

C-04.12, C-05.10
D-01.02, D-04.21, D-06.10
G-00.01, G-04.06S, G-04.07W, G-09.04W,
G-10.01, G-20.10, G-25.20W, G-30.00
S-00.10, S-05.01, S-31.00
T-21.02

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

WORK IN PROGRESS
This document represents current concepts as of ___
(See date @ left border)

APPROVED:

REGIONAL PRE-CONSTRUCTION ENGINEER DATE

CONCUR:

DIRECTOR, DESIGN AND CONSTRUCTION DATE

CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITION:

CONSTRUCTION PROJECT MANAGER DATE

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	A2	A6

	RECOVERED	TO BE SET THIS PROJECT
GOV'T SECTION CORNER	Sec. Cor.	
GOV'T 1/4 SECTION CORNER	1/4 Cor.	
GOV'T 1/16 SECTION CORNER	1/16 Cor.	
GOV'T SURVEY MONUMENT		
GOV'T CONTROL STA.		
PRIMARY MON. [BRASS/AL CAP]		
SECONDARY CORNER		
PRIMARY CENTERLINE MONUMENT		
SECONDARY CENTERLINE MONUMENT		
SURVEY CONTROL POINT	CP	
SECONDARY SURVEY CONT. POINT	SCP	
GPS CONTROL POINT	GPS	
BENCH MARK	BM	
TEMPORARY BENCH MARK	TBM	
ROCK MONUMENT		
INTERNATIONAL BOUNDARY LINE	ALASKA / CANADA	
TOWNSHIP & RANGE LINE	T. 13 N. / T. 12 N.; R. 3 W. / R. 2 W.	
SECTION LINE		
1/4 SECTION LINE		
1/16 SECTION LINE		
CORPORATE or CITY LIMITS		
EXISTING RIGHT-OF-WAY		
RIGHT-OF-WAY REQUIRED		
PROJECT RIGHT-OF-WAY LINE	ROW	
EXISTING PROPERTY LINE		
CONTROLLED ACCESS LINE	C/A	
PERMIT LINE		
EXISTING EASEMENT LINE		
STATION EQUATION	STA. 14+33.22 BK. = STA. 16+90.17 AHD.	
PROJECT CENTERLINE	27+00	
EXISTING CENTERLINE		
RAILROAD CENTERLINE		
HIGHWAY MILEPOST	6.5 / 23+12.56	
RAILROAD MILEPOST	R.R. 2580+60 / HWY. 126+33 — 842	

ROADWAY OBLITERATION	
LIMIT OF CUT SLOPE	
LIMIT OF FILL SLOPE	
PROPOSED ROADWAY	
EXISTING ROADWAY	
NOISE BARRIER	
FENCE	
STONE FENCE	
HEAD & WINGWALLS	
GUARD RAIL EXISTING	
PROPOSED	
RETAINING WALL	
TUNNEL	
INTERMITTENT DRAINAGE	
INTERCEPTOR DITCH	
MARSHLAND	
CREEK	
RIVER	
LAKE	LAKE
RESERVOIR	RES.
CHANNEL CHANGE	
PLANTER	P
VENT	
TANK VENT	
WELL	W
SEPTIC	S
TANKS	
Above Ground	
Below Ground	UG
SATELLITE DISH	
PRIVATE SIGN	
GAS PUMP	
POST	
BOULDER OR BOULDERS	
LANDSCAPE LIGHT	
DECIDUOUS TREE	
CONIFER TREE	
SHRUB OR SHRUBS	

	EXISTING	PROPOSED
PIPELINES: (BELLS INDICATE DIRECTION OF FLOW)		
SANITARY SEWER	SS	SS
OIL	O	O
GAS	G	G
WATER	W	W
STORM DRAIN	SD	SD
SIDEWALK		
CONCRETE CURB		
CONCRETE CURB & GUTTER		
DRIVEWAY, APPROACH, & SIDEDRAIN		
BRIDGE		
RIPRAP		

		EXISTING
TELEPHONE	(OVERHEAD)	OT
	(DIRECT BURY)	UT
ELECTRIC	(OVERHEAD)	OE
	(DIRECT BURY)	UE
FIBER OPTIC		FO
CABLE TV	(OVERHEAD)	O TV
	(DIRECT BURY)	U TV
U.G. DUCT		
TELEPHONE MANHOLE		T
ELECTRIC MANHOLE		E
FOUNDATION		
BUILDING		

	EXISTING	PROPOSED
MANHOLE	M.H.	M.H.
FIRE HYDRANT		
METER		
VALVE		
PIPE CULVERT w/ END SECT.		
UTILITY POLE		
ELECTROLIER		
UTILITY POLE WITH LUMINAIRE		
POLE ANCHOR /w GUY		
TRANSMISSION TOWER [WOOD]		
TRANSMISSION TOWER [STEEL]		
ELECTRICAL OUTLET		
ELECTRICAL PEDESTAL		
TELEPHONE PEDESTAL		
CABLE T.V. PEDESTAL		

	EXISTING	PROPOSED
MAILBOX		MB
SIGN (FACING →)		
DELINEATOR (FACING →)		
PVC CONDUIT	PVC	PVC
RMC CONDUIT	RMC	RMC
SIGNAL FACE, VEHICULAR		
SIGNAL FACE, LEFT TURN,		
SIGNAL FACE, PEDESTRIAN		
JUNCTION BOX, TYPE IA	X	X
JUNCTION BOX, TYPE II	X	X
JUNCTION BOX, TYPE III	X	X
DETECTOR, LOOP	X	X
DETECTOR, OPTICOM		
PEDESTRIAN PUSH BUTTON (DIRECTION →)	X	X
SIGNAL CONTROLLER		
LOAD CENTER		
SIGNAL POLE	X	X
SIGNAL POLE w/MASTARM	X	X
SOLID WHITE STRIPE	W	
SOLID YELLOW STRIPE	Y	
BROKEN WHITE or YELLOW STRIPE	W Y	
DASH YELLOW STRIPE	Y	
SOLID YELLOW STRIPE with BROKEN YELLOW STRIPE	Y	

X = ACTUAL NUMBER

WORK IN PROGRESS
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITY

PARKS HIGHWAY M.P. 83-90
WEIGHT RESTRICTION ELIMINATION PROJECT

LEGEND SHEET

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XREFS:
LAYOUT: Model
VIEW: 83-90_A02_F_00800, 83-90_A02_HL5000, 83-90_A02_HLX7700
XREF: 02046_01_B001

ABBREVIATIONS

A.A.D.T.	AVERAGE ANNUAL DAILY TRAFFIC
AC	ASPHALT CONCRETE
ADF&G	ALASKA DEPARTMENT OF FISH AND GAME
ADOT	ALASKA DEPARTMENT OF TRANSPORTATION
ATB	ASPHALT TREATED BASE
BC	BRASS CAP
BK	BOOK
BM	BENCH MARK
BOP	BEGINNING OF PROJECT
CF	CUBIC FEET
CIR	CIRCLE
℄ CL	CENTERLINE
COR	CORNER
CP	CONTROL POINT
CPEP	CORRUGATED POLYETHYLENE PIPE
CPM	CRITICAL PATH METHOD
CS	CONTINGENT SUM
CSP	CORRUGATED STEEL PIPE
CY	CUBIC YARD
D	DEGREE
D (%)	DIRECTIONAL SPLIT (PERCENTAGE)
DHV	DESIGN HOUR VOLUME
DIA	DIAMETER
E	EAST
EA	EACH
EAL	EQUIVALENT AXLE LOAD
ELEV	ELEVATION
EOP	END OF PROJECT
EST	ESTIMATE
FND	FOUND
FT	FEET
GA	GAUGE
GAL	GALLON
GOV'T	GOVERNMENT
H	HOUR
HP	HORSE POWER
HWY	HIGHWAY
HR	HOUR
IN	INCH
L	LENGTH
LB	POUND
LF	LINEAR FOOT
LN	LANE
LOC	LIP OF CURB
LS	LUMP SUM
LT	LEFT
MBM	1,000(FEET) BOARD MEASURE
M-GAL	1,000 GALLONS
ME	MATCH EXISTING
MEAS	MEASURE
MI	MILE
MIN	MINIMUM
MISC	MISCELLANEOUS
MON	MONUMENT
MP	MILEPOST
MPH	MILES PER HOUR
M.S.B.	MATANUSKA SUSITNA BOROUGH
N	NORTH
N/A	NOT APPLICABLE
NE	NORTH EAST
NO, No.	NUMBER
NW	NORTH WEST
OG	ORIGINAL GROUND
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVE
PG	PROFILE GRADE POINT
PH	PHASE
PI	POINT OF INTERSECTION
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PUE	PUBLIC UTILITY EASEMENT
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
R	RADIUS
REC	RECORD
REQ'D	REQUIRED
RP	RADIUS POINT
RR	RAILROAD
RT	RIGHT
R/W	RIGHT OF WAY
S	SOUTH
S	SUPER ELEVATION RATE
SE	SOUTH EAST

ABBREVIATIONS (CONTINUED)

SEC	SECTION
SF	SILT FENCE
SF	SQUARE FOOT
SHLD	SHOULDER
SM	SEWARD MERIDIAN
SQ	SQUARE
STA	STATION
STD	STANDARD
SUBD	SUBDIVISION
SW	SOUTH WEST
SY	SQUARE YARD
T	TANGENT
T (%)	TRUCKS (PERCENTAGE)
TBM	TEMPORARY BENCH MARK
TCP	TEMPORARY CONSTRUCTION PERMIT
TYP	TYPICAL
UNSUB	UNSUBDIVIDED
V	VELOCITY
VC	VERTICAL CURVE
VPC	VERTICAL POINT OF CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
W	WEST
W	WHITE
Y	YELLOW
YD	YARD

LEGEND

△ PI

◎ PC / PT

NEW PAVEMENT

NEW GRAVEL

DIGOUT AREAS

VEGATATION/TREELINE

TABLE OF ESTIMATING FACTORS

ITEM NO.	ITEM	FACTOR
203(6A)	BORROW, TYPE A	145 LB/CF
301(1)	AGGREGATE BASE COURSE, GRADING D-1	148 LB/CF
318(1)	FOAMED ASPHALT STABILIZED BASE COURSE	140 LB/CF
318(2)	ASPHALT CEMENT, GRADE PG 52-28	3% OF WEIGHT OF 318(1)
318(3)	PORTLAND CEMENT, TYPE I OR II	1% OF WEIGHT OF 318(1)
401(1)	HOT MIX ASPHALT, TYPE II, CLASS A	152 LB/CF
401(2)	ASPHALT CEMENT, GRADE PG 52-28	5.5% OF WEIGHT OF 401(1)

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	A3	A6

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HATTENBURG DILLEY & LINNELL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITY

PARKS HIGHWAY M.P. 83-90
WEIGHT RESTRICTION ELIMINATION PROJECT

LEGEND, SYMBOLS, ABBREVIATIONS

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CHECKED BY: MWY
DRAFTED BY: MWY
XREFS:
SCALE 1=
COMPUTER DESIGNATION

LAYOUT: Model
VIEW: 83-90_A_03_F_D0800, 83-90_A_03_HL5000, 83-90_A_03_HLX7700
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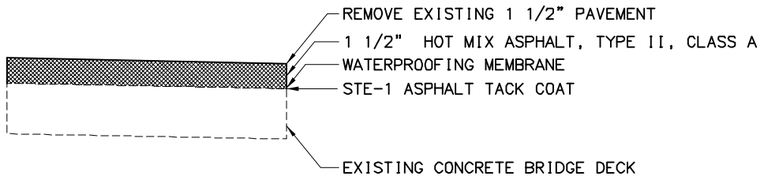
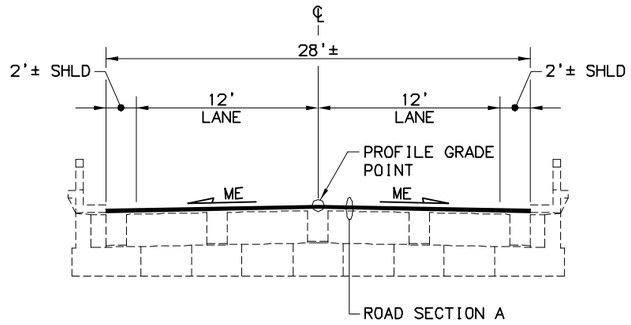
No.	DATE	DESCRIPTION	ALASKA	51850	2010	B1	B3



ROAD SECTION A

N.T.S.



TYPICAL SECTION - BRIDGE

STA 724+69 TO STA 726+84
STA 1006+42 TO STA 1007+68

GENERAL NOTES:

1. PLACE 4 INCHES OF TOPSOIL AND SEEDING FROM:

   A. THE SLOPE CATCH TO THE BOTTOM OF THE AGGREGATE BASE COURSE
   B. AS DIRECTED BY THE ENGINEER.

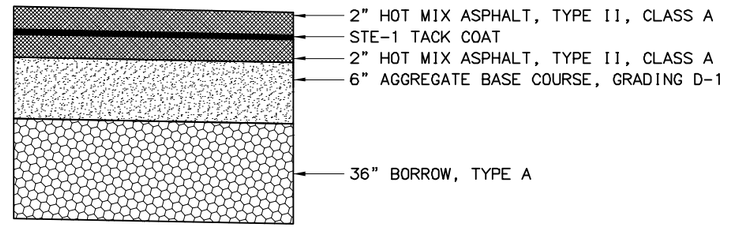
   OTHER AREAS WITHIN THE RIGHT-OF-WAY DISTURBED BY THE CONTRACTOR SHALL RECEIVE SEEDING ONLY.

2. SUPER ELEVATION FOR HORIZONTAL CURVES SHALL MATCH EXISTING SUPER ELEVATION RATES AND LOCATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

3. DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.

4. PERFORM SHOULDER WORK WITHIN 7 DAYS AFTER FINAL PAVING.

5. ALL TOPOGRAPHIC INFORMATION SHOWN ON PLANS ARE FROM AS-BUILTS. NO TOPOGRAPHIC SURVEY WAS DONE.



ROAD SECTION C

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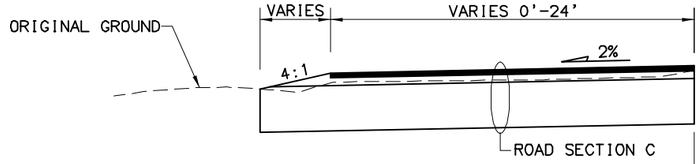
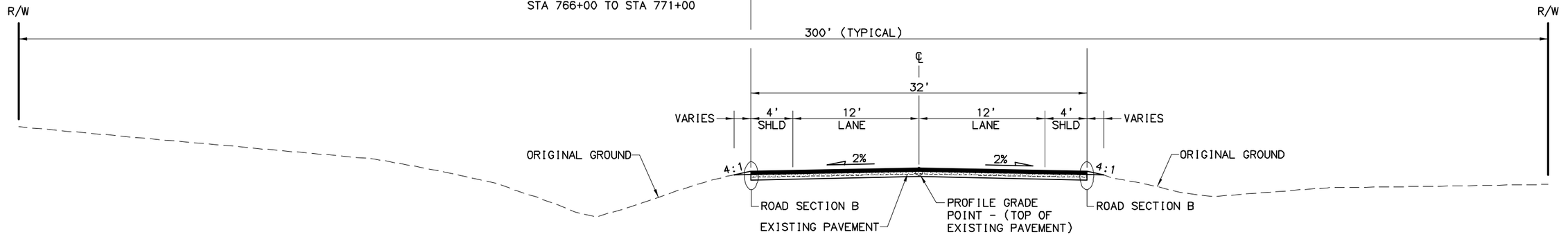


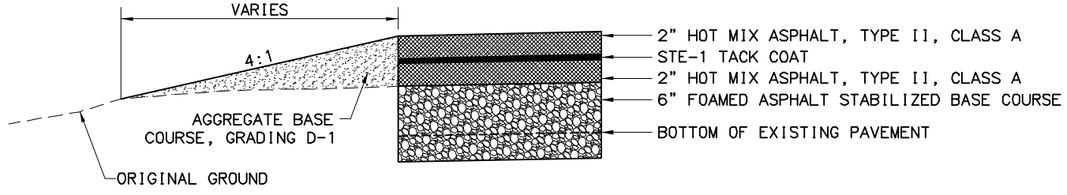
SLOW VEHICLE TURNOUT

STA 766+00 TO STA 771+00



TYPICAL SECTION

STA 745+00 TO STA 815+00
STA 835+00 TO STA 985+00
STA 1040+00 TO STA 1082+00



ROAD SECTION B

N.T.S.

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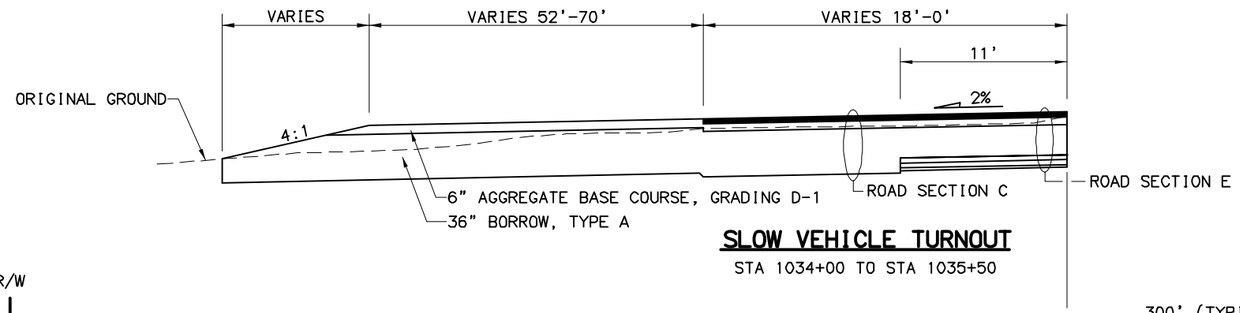
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITY

PARKS HIGHWAY M.P. 83-90
WEIGHT RESTRICTION ELIMINATION PROJECT

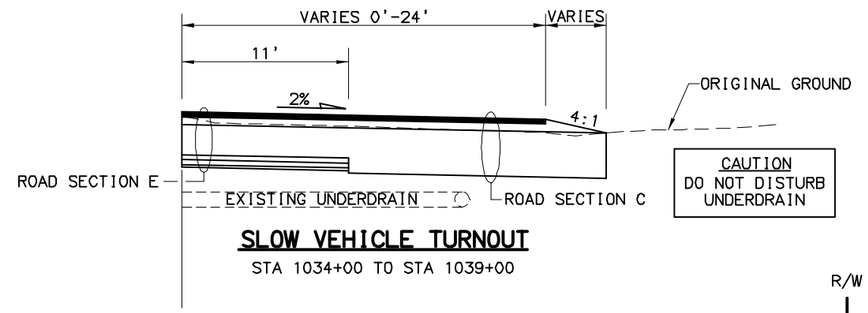
TYPICAL SECTIONS

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	B2	B3



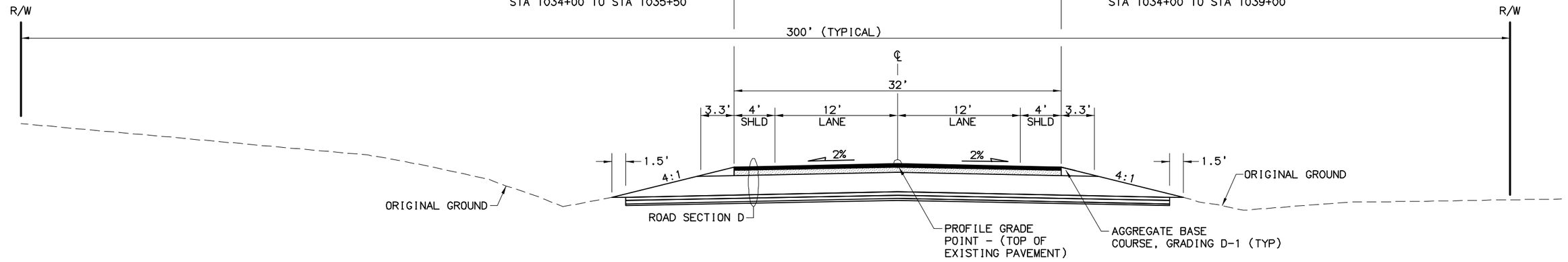
SLOW VEHICLE TURNOUT

STA 1034+00 TO STA 1035+50



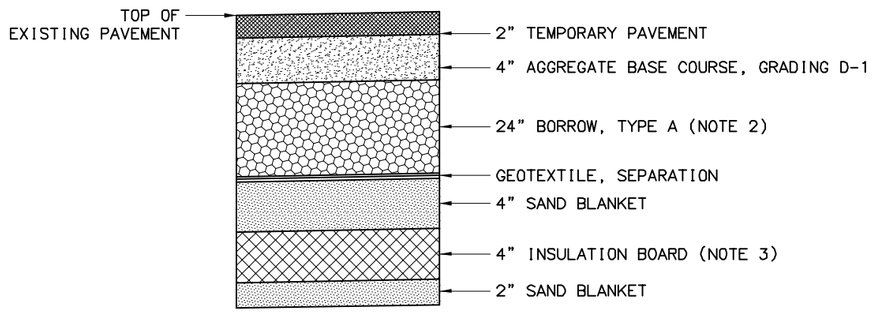
SLOW VEHICLE TURNOUT

STA 1034+00 TO STA 1039+00



TYPICAL SECTION - DIGOUT AND TEMPORARY SURFACE TREATMENT

STA 741+00 TO STA 744+00
STA 751+00 TO STA 756+00
STA 774+20 TO STA 782+00
STA 782+00 TO STA 786+20
STA 799+00 TO STA 804+00
STA 810+00 TO STA 813+70
STA 818+00 TO STA 822+50
STA 984+00 TO STA 990+00
STA 1034+00 TO STA 1047+00



ROAD SECTION D

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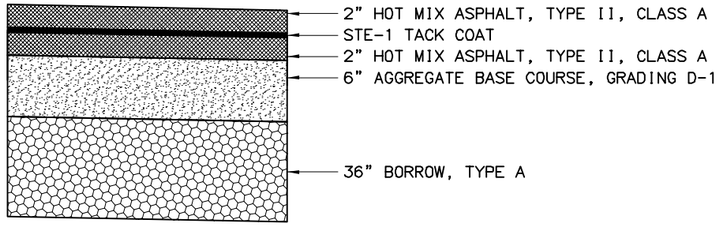

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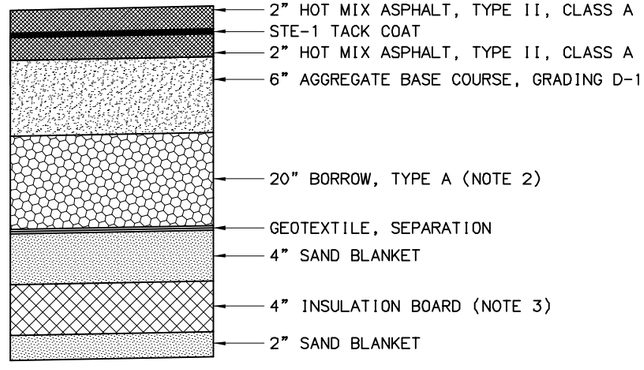

ROAD SECTION E

N.T.S.

NOTES:

1. ROAD SECTION D WILL ACT AS A TEMPORARY ROADWAY SURFACE. THE TEMPORARY PAVEMENT AND AGGREGATE BASE COURSE, GRADING D-1 IN ROAD SECTION D WILL BE UTILIZED TO CONSTRUCT THE FINAL FOAMED ASPHALT STABILIZED BASE COURSE.
2. SEE "INSULATION BOARD PROFILE FOR DIGOUTS" FOR BORROW, TYPE A THICKNESS WITHIN DIGOUT TRANSITIONS.
3. SEE "INSULATION BOARD PROFILE FOR DIGOUTS" FOR DIGOUT TRANSITIONS INSULATION BOARD THICKNESS.

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITY

PARKS HIGHWAY M.P. 83-90
WEIGHT RESTRICTION ELIMINATION PROJECT

TYPICAL SECTIONS

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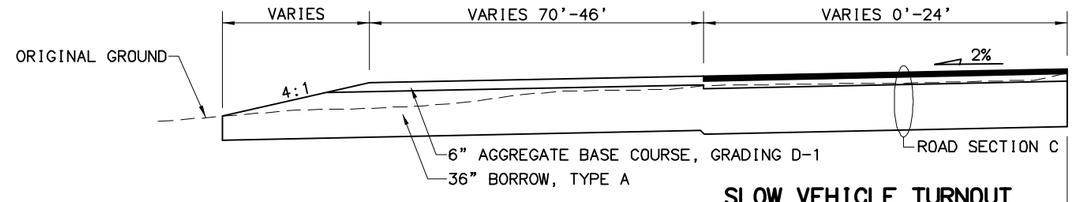
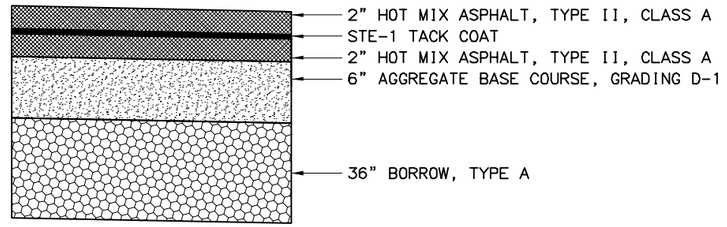
DRAFTED BY: JMF
CHECKED BY:
COMPUTER DESIGNATION

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	B3	B3



SLOW VEHICLE TURNOUT

STA 1029+50 TO STA 1034+00



ROAD SECTION C

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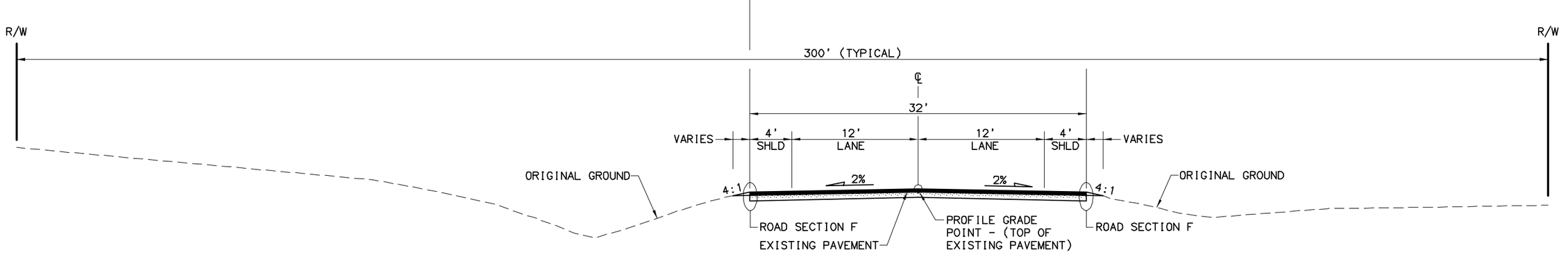
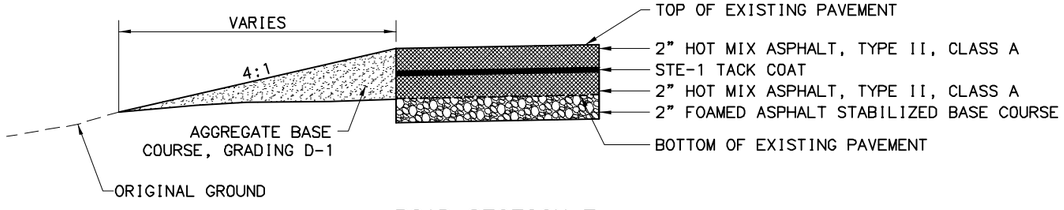


TYPICAL SECTION

STA 726+84 TO STA 745+00
STA 815+00 TO STA 835+00
STA 985+00 TO STA 1006+42
STA 1007+68 TO STA 1040+00



ROAD SECTION F

N.T.S.

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PARKS HIGHWAY M.P. 83-90
WEIGHT RESTRICTION ELIMINATION PROJECT

TYPICAL SECTIONS

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XREFS:
DESIGNED BY: DTF
CHECKED BY: JMF
DRAFTED BY:
COMPUTER DESIGNATION

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	C1	C1

ESTIMATE OF QUANTITIES

ITEM NO	ITEM DESCRIPTION	PAY UNIT	TOTALS
201 (1A)	CLEARING	ACRE	200
202 (2)	REMOVAL OF PAVEMENT	SY	27,520
202 (4)	REMOVAL OF CULVERT PIPE	LF	107
203 (1)	COMMON EXCAVATION	CY	36,252
203 (6A)	BORROW, TYPE A	TON	52,137
301 (1)	AGGREGATE BASE COURSE, GRADING D-1	TON	8,064
318 (1)	FOAMED ASPHALT STABILIZED BASE COURSE	SY	125,832
318 (2)	ASPHALT CEMENT, GRADE PG 52-28	TON	1,190
318 (3)	PORTLAND CEMENT, TYPE I OR II	TON	397
401 (1A)	HOT MIX ASPHALT, TYPE II, CLASS A	TON	29,995
401 (2)	ASPHALT CEMENT, GRADE PG 52-28	TON	1,650
401 (3)	TEMPORARY PAVEMENT	TON	2,161
401 (6)	ASPHALT PRICE ADJUSTMENT - QUALITY	CS	ALL REQ'D
401 (9)	LONGITUDINAL JOINT ADHESIVE AND SEALING	LF	38,331
401 (10)	ASPHALT MATERIAL PRICE ADJUSTMENT - UNIT PRICE	CS	ALL REQ'D
603 (3-24)	END SECTION FOR 24 INCH CSP	EA	4
603 (3-30)	END SECTION FOR 30 INCH CSP	EA	1
603 (21-30)	30 INCH CORRUGATED POLYETHYLENE PIPE	LF	107
603 (22-30)	END SECTION FOR 30 INCH CORRUGATED POLYETHYLENE PIPE	EA	2
606 (1)	W-BEAM GUARDRAIL	LF	1,162.5
606 (6)	REMOVING AND DISPOSING OF GUARDRAIL	LF	337
606 (9)	CONTROLLED RELEASE TERMINAL (CRT)	EA	5
606 (11)	EXTRUDER TERMINAL (ET-2000)	EA	3
606 (12)	GUARDRAIL/BRIDGE RAIL CONNECTION	EA	4
615 (1)	STANDARD SIGN	SF	108
618 (2A)	SEEDING, TYPE A	LB	510
620(1)	TOPSOIL	SY	23,574
630(1)	GEOTEXTILE, SEPARATION	SY	30,380
633(1)	SILT FENCE	LF	6,031
635(1)	INSULATION BOARD	MBM	1,014
639 (6)	APPROACH	EA	84
640 (1)	MOBILIZATION AND DEMOBILIZATION	LS	ALL REQ'D
640 (4)	WORKER MEALS AND LODGING, OR PER DIEM	LS	ALL REQ'D
641 (1)	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LS	ALL REQ'D
641 (2)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	CS	ALL REQ'D
641 (5)	EROSION, SEDIMENT AND POLLUTION CONTROL PRICE ADJUSTMENT	CS	ALL REQ'D
641 (6)	SWPPP MANAGER	LS	ALL REQ'D
642 (1)	CONSTRUCTION SURVEYING	LS	ALL REQ'D
642 (3)	THREE PERSON SURVEY PARTY	HR	40
690 (3)	SEDIMENT TRAP	EA	9

ESTIMATE OF QUANTITIES

ITEM NO	ITEM DESCRIPTION	PAY UNIT	TOTALS
643 (2)	TRAFFIC MAINTENANCE	LS	ALL REQ'D
643 (3)	PERMANENT CONSTRUCTION SIGNS	LS	ALL REQ'D
643 (15)	FLAGGING	CS	ALL REQ'D
643 (23)	TRAFFIC PRICE ADJUSTMENT	CS	ALL REQ'D
643 (25)	TRAFFIC CONTROL	CS	ALL REQ'D
643 (29)	PORTABLE CHANGEABLE MESSAGE BOARD SIGN	EA	2
644 (1)	FIELD OFFICE	LS	ALL REQ'D
644 (2)	FIELD LABORATORY	LS	ALL REQ'D
644 (8)	VEHICLES	EA	2
644 (15)	NUCLEAR TESTING EQUIPMENT STORAGE SHED	EA	1
644 (16)	STORAGE CONTAINER	EA	1
645 (1)	TRAINING PROGRAM, 1 TRAINEES/APPRENTICES	HR	725
646 (1)	CPM SCHEDULING	LS	ALL REQ'D
670 (10)	MMA PAVEMENT MARKINGS	LS	ALL REQ'D

WORK IN PROGRESS
This document represents current concepts as of ___
(See date @ left border)

HATTENBURG DILLEY & LINNELL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITY

PARKS HIGHWAY M.P. 83-90
WEIGHT RESTRICTION ELIMINATION PROJECT

ESTIMATE OF QUANTITIES

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	D1	D2

202(2)

REMOVAL OF PAVEMENT

SHEET	AREA (SQ YD)	REMARKS
F1	670	BRIDGE
F1	165	APPROACHES
F2	240	APPROACHES
F2	2,930	DIGOUTS
F3	995	APPROACHES
F3	4,220	DIGOUTS
F4	220	APPROACHES
F4	3,000	DIGOUTS
F5	275	APPROACHES
F5	1,900	DIGOUTS
F6	440	APPROACHES
F7	620	APPROACHES
F8	710	APPROACHES
F9	950	APPROACHES
F10	400	APPROACHES
F11	395	BRIDGE
F11	440	APPROACHES
F11	2,175	DIGOUTS
F12	110	APPROACHES
F12	1,780	DIGOUTS
F13	110	APPROACHES
F13	4,645	DIGOUTS
F14	55	APPROACHES

202(4)

REMOVAL OF CULVERT PIPE

SHEET	STATION	OFFSET	LENGTH	REMARKS
F1	732+85	0.0	107	

603(3), 603(21), 603(22)

END SECTIONS, & CORRUGATED POLYETHYLENE PIPE

SHEET	TYPE	STATION	OFFSET	EXISTING CSP DIAMETER			LENGTH OF CPEP	END SECTION	REMARKS
				24"	30"	48"	30"		
F1	CC	732+85	0.0		X		107'	2	REPLACE CULVERT AND END SECTIONS
F3	CC	784+00	0.0		X				CLEANOUT END SECTIONS
F6	CC	851+57	0.0		X				RECONNECT WEST END SECTION
F8	CC	904+02	0.0	X				2	REPLACE END SECTIONS
F8	CC	921+02	0.0	X					CLEANOUT END SECTIONS
F9	CC	935+37	0.0		X			1	REPLACE EAST END SECTION / CLEANOUT WEST END SECTION
F10	CC	973+62	0.0	X				2	REPLACE END SECTIONS
F12	CC	1014+87	0.0			X			CLEANOUT CULVERT

606(1), 606(9), 606(11), 606(12)

W-BEAM GUARDRAIL AND END TREATMENT

SHEET	STATION TO STATION	OFFSET	LENGTH G4 STD. (FT)	CONTROLLED RELEASE TERMINAL	EXTRUDER TERMINAL (ET-2000)	GUARDRAIL/ BRIDGE RAIL CONNECTION	REMARKS
F1	726+97.7 TO 727+35.2	LT	37.5	1, R=20'		1	
F1	726+97.7 TO 728+97.7	RT	200.0		1	1	
F11	1000+53.9 TO 1003+03.9	RT	250.0	1, R=20'	1		
F11	1001+87.5 TO 1005+12.5	LT	325.0		1		
F11	1003+72.2 TO 1004+09.7	RT	37.5	1, R=8'			
F11	1007+82.2 TO 1010+19.7	RT	237.5	1, R=20'		1	
F11	1007+82.4 TO 1008+57.4	LT	75.0	1, R=20'		1	

606(6)

REMOVING AND DISPOSING OF GUARDRAIL

SHEET	STATION TO STATION	OFFSET	LENGTH (FT)	REMARKS
F1	726+87 TO 727+53	RT	67	
F1	726+88 TO 727+53	LT	66	
F11	1003+71 TO 1004+09	RT	38	REMOVE END TREATMENT
F11	1004+71 TO 1005+12	LT	38	REMOVE END TREATMENT
F11	1007+69 TO 1008+32	LT	64	
F11	1007+69 TO 1008+33	RT	64	

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HATTENBURG DILLEY & LINNELL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITY

PARKS HIGHWAY M.P. 83-90
WEIGHT RESTRICTION ELIMINATION PROJECT

SUMMARY SHEET

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	D2	D2

SHEET	STATION TO STATION	COMMON EXCAVATION (CY)	SELECTED MATERIAL TYPE "A" (CY)	AGGREGATE BASE COURSE GRADING D-1 (CY)	TEMPORARY PAVEMENT (CY)	HOT MIX ASPHALT TYPE II CLASS A (CY)	SHEET
F1	724+69 TO 735+00	–	–	20	–	360	F1
F2	735+00 TO 759+00	4,768	3,310	385	163	962	F2
F3	759+00 TO 786+00	7,550	5,415	709	235	1,178	F3
F4	786+00 TO 813+00	4,640	3,201	417	167	1,079	F4
F5	813+00 TO 842+00	3,135	2,190	290	107	1,161	F5
F6	842+00 TO 870+00	–	–	62	–	1,131	F6
F7	870+00 TO 899+00	–	–	69	–	1,181	F7
F8	899+00 TO 926+00	–	–	70	–	1,107	F8
F9	926+00 TO 955+00	–	–	81	–	1,199	F9
F10	955+00 TO 982+00	–	–	58	–	1,089	F10
F11	982+00 TO 1011+00	3,440	2,345	326	121	1,137	F11
F12	1011+00 TO 1039+00	8,360	7,273	1,123	100	1,324	F12
F13	1039+00 TO 1067+00	4,359	2,900	397	160	1,113	F13
F14	1067+00 TO 1082+00	–	–	29	–	596	F14
	TOTALS	36,252 (CY)	26,634 (CY)	4,036 (CY)	1,053 (CY)	14,617 (CY)	
	BID QUANTITIES	36,252 (CY)	52,137 (TON)	8,064 (TON)	2,164 (TON)	29,995 (TON)	

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HATTENBURG DILLEY & LINNELL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITY

PARKS HIGHWAY M.P. 83-90
WEIGHT RESTRICTION ELIMINATION PROJECT

EARTHWORK SUMMARY

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PLOT VIEW:
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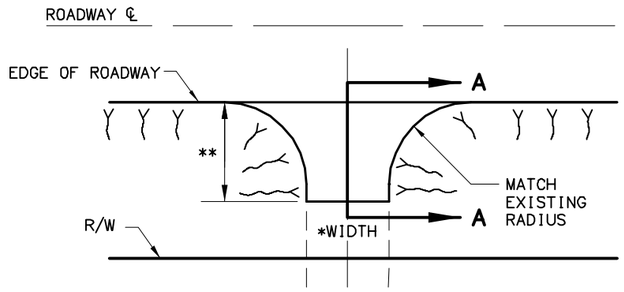
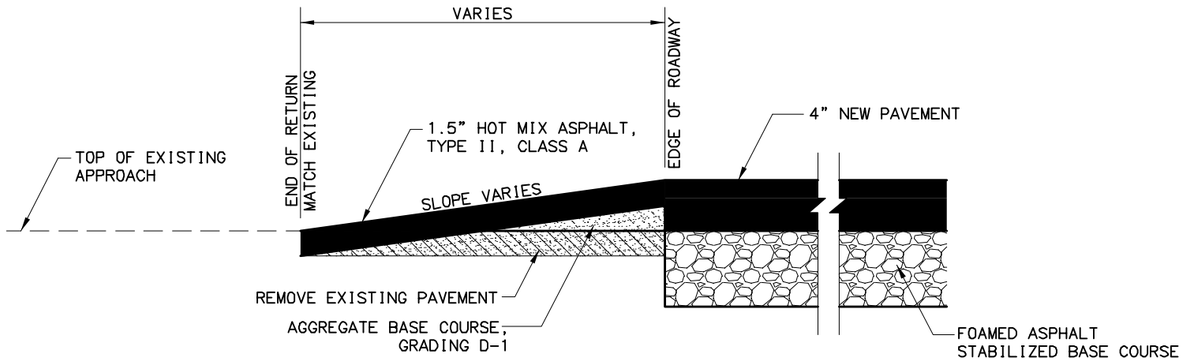
DRAFTED BY JWV
CHECKED BY DRN
XREFS:
SCALE H:1=5000, D08_HLX7700
COMPUTER DESIGNATION

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	E1	E2



APPROACH PLAN VIEW
NTS

* MATCH EXISTING WIDTH OR AS DIRECTED BY THE ENGINEER.
** PAVE TO RADIUS RETURN OR 20 FEET, WHICHEVER IS GREATER.



SECTION A-A

NEW PAVEMENT TRANSITION FOR APPROACHES
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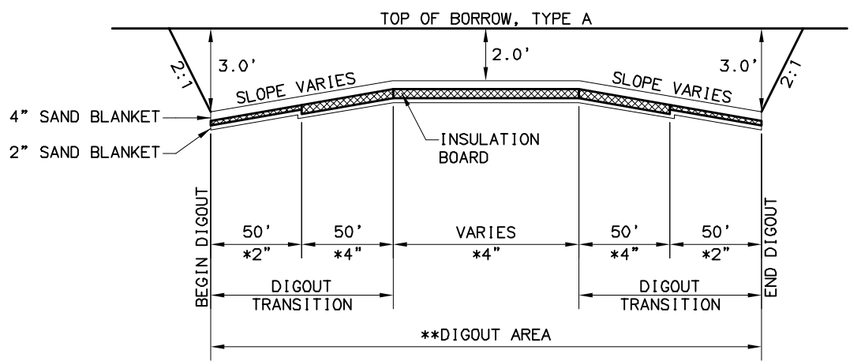
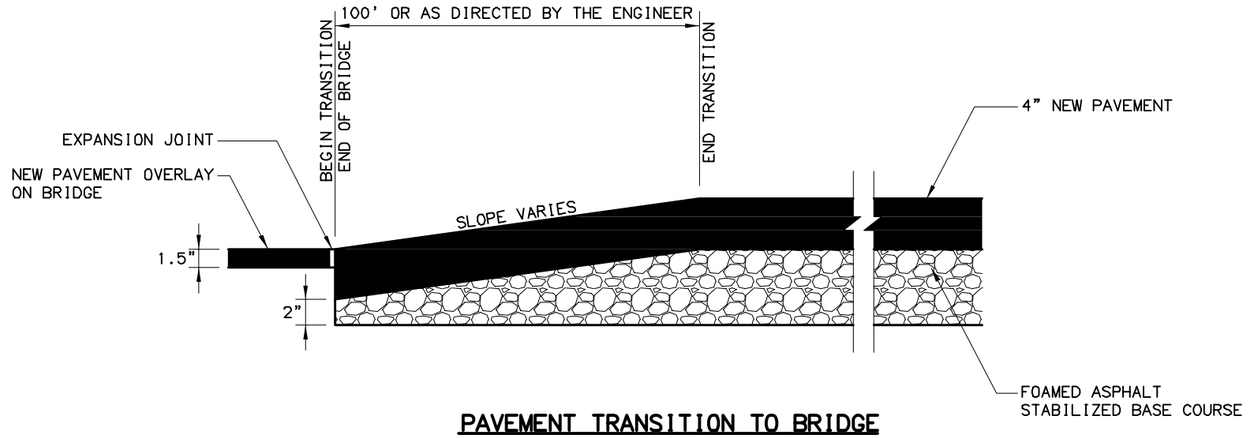
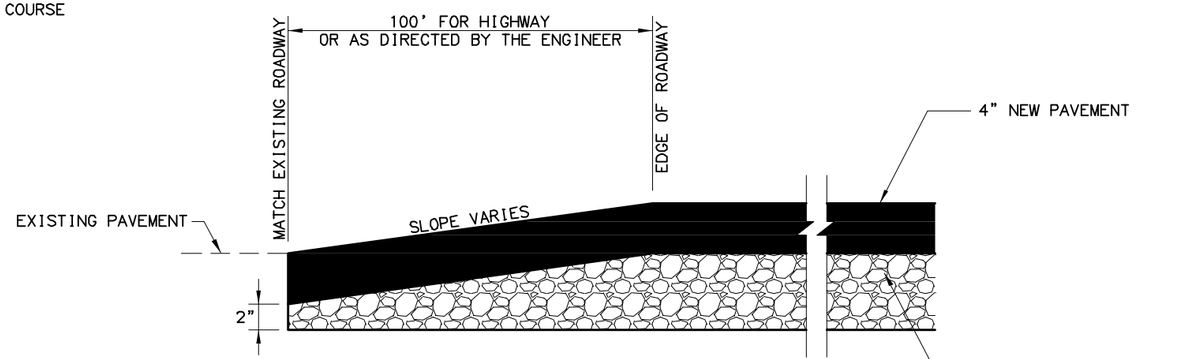


* INSULATION BOARD THICKNESS
** SEE TYPICAL SECTION FOR DIGOUT STATIONS

INSULATION BOARD PROFILE FOR DIGOUTS
NTS



PAVEMENT TRANSITION TO BRIDGE
NTS



NEW PAVEMENT TRANSITION TO EXISTING PAVEMENT
NTS

WORK IN PROGRESS
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HATTENBURG DILLEY & LINNELL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITY

PARKS HIGHWAY M.P. 83-90
WEIGHT RESTRICTION ELIMINATION PROJECT

PAVEMENT OVERLAY DETAILS

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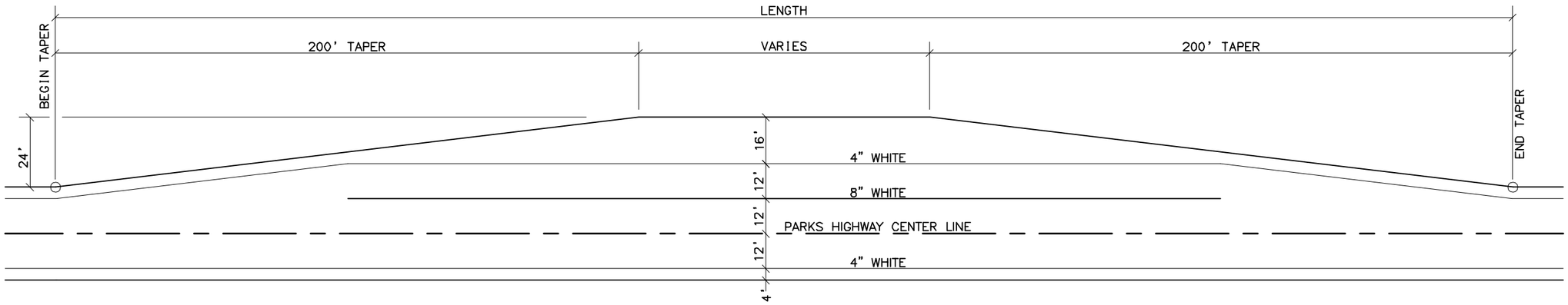
PLOT VIEW:	
XREFS:	
COMPUTER DESIGNATION	

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	E2	E2



SLOW VEHICLE TURNOUT DETAIL

SLOW VEHICLE TURNOUT TABLE			
SHEET	STATION TO STATION	OFFSET	LENGTH (FT)
F1	766+00 TO 771+00	LT	500
F1	1029+50 TO 1035+50	LT	600
F2	1034+00 TO 1039+00	RT	500

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HATTENBURG DILLEY & LINNELL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITY

PARKS HIGHWAY M.P. 83-90
WEIGHT RESTRICTION ELIMINATION PROJECT

SLOW VEHICLE TURNOUT DETAIL

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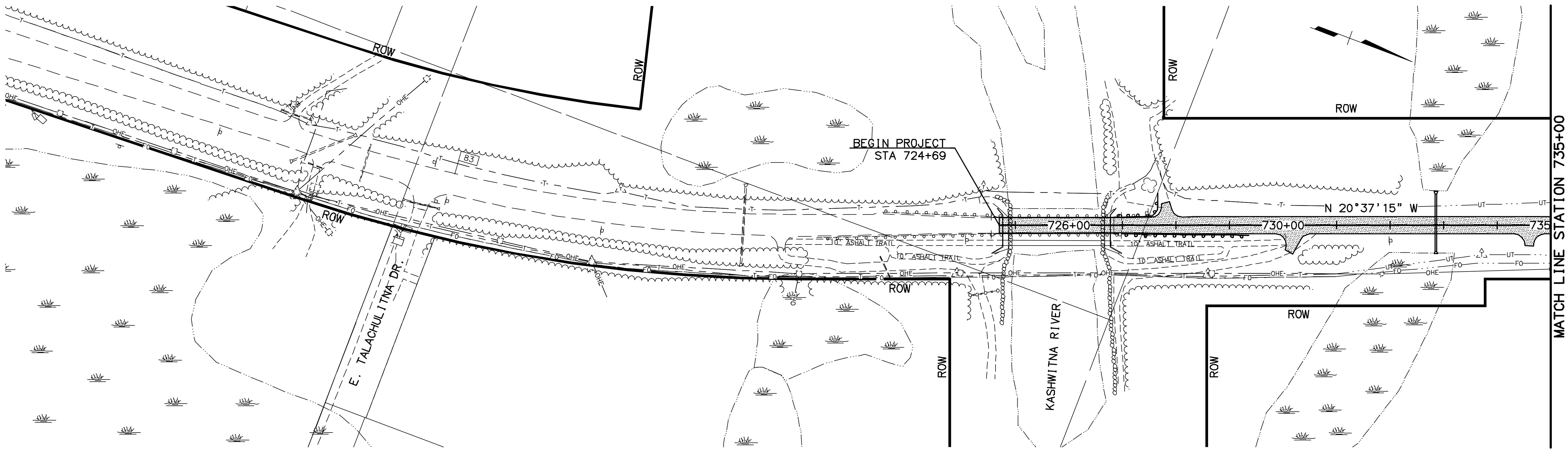
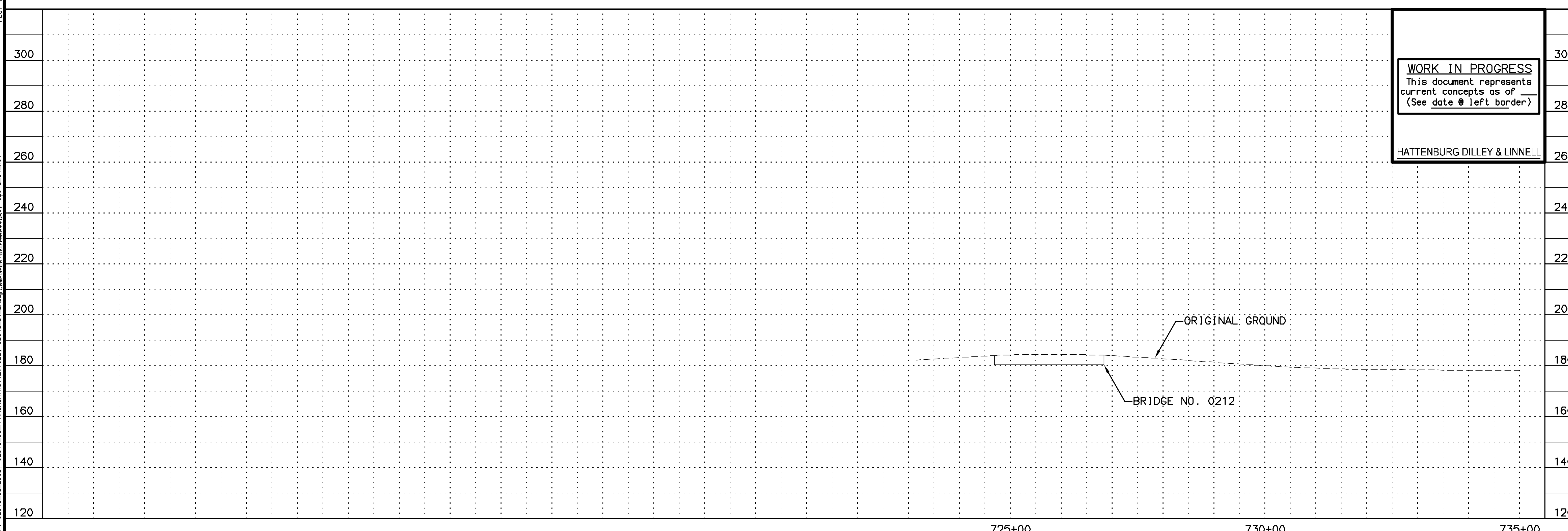
XREFS:
SCALE 1:=
COMPUTER DESIGNATION
LAYOUT: 1-7
VIEW: 83-90_E_02_PLT800, 83-90_E_02_HL15000, 83-90_E_03_HLX7700
XREF: 020246_CDB_BOT

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	F1	F14





WORK IN PROGRESS
This document represents current concepts as of ___
(See date @ left border)

HATTENBURG DILLEY & LINNELL

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DESIGNED BY	DIF
CHECKED BY	JMF
DRAFTED BY	NRY

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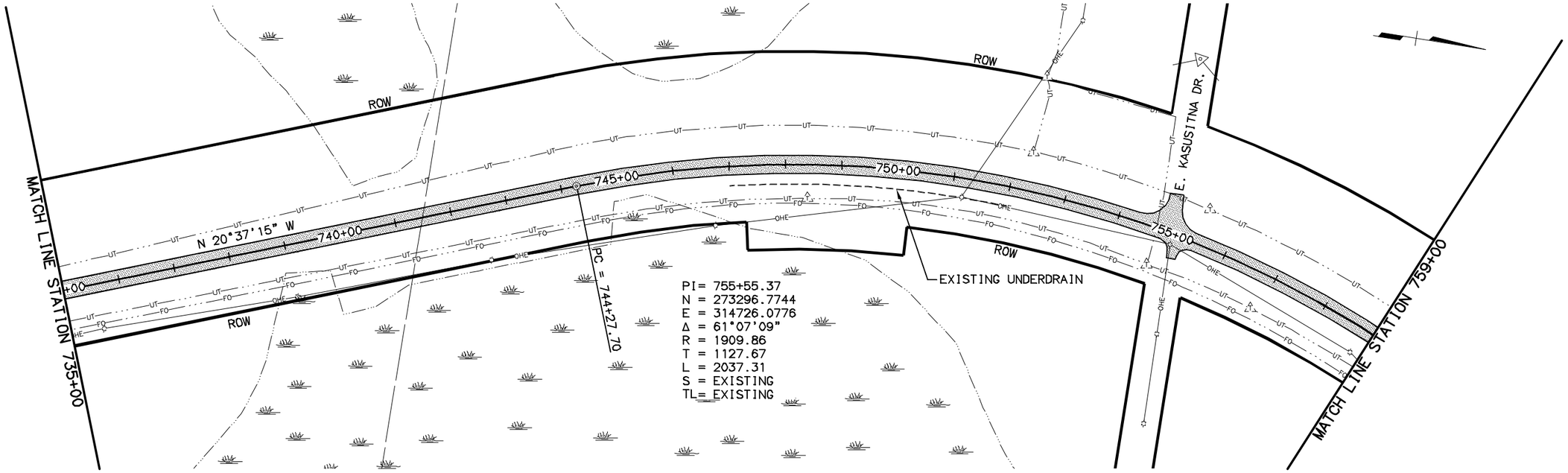
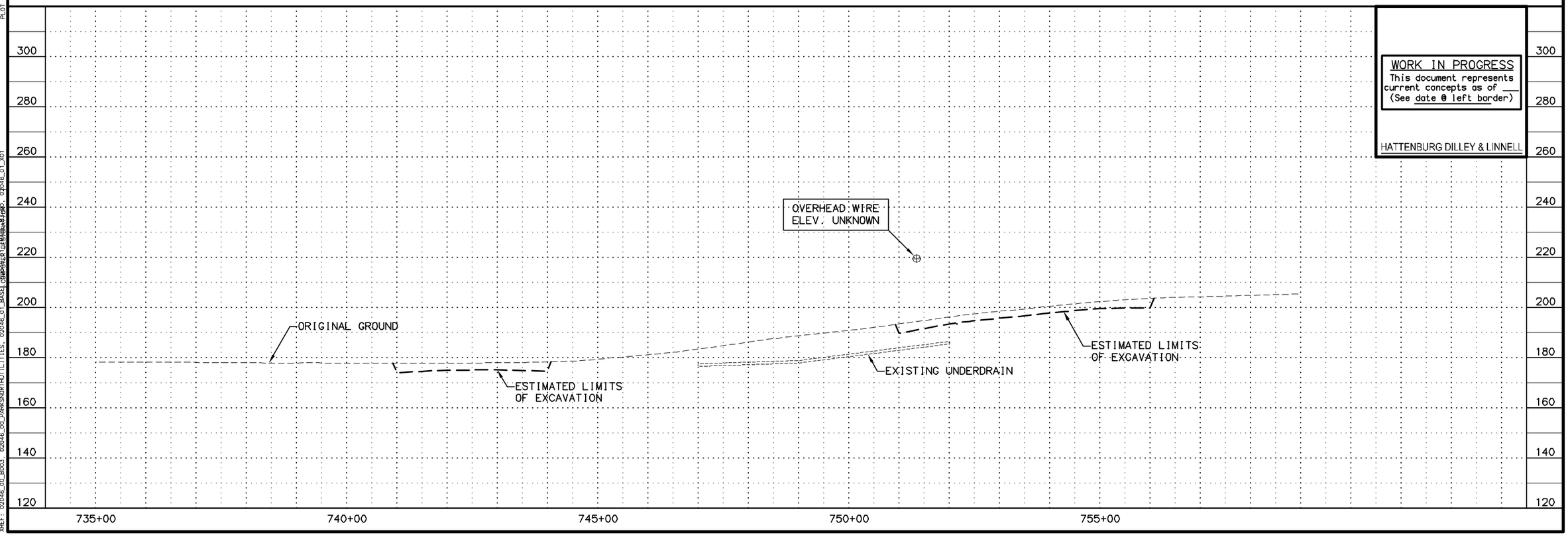
XREF: 02046_00_BD03, 02046_00_PARKSNORTHUTILITIES, 02046_01_BASE, COMPUTER DESIGNATION

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	F2	F14





WORK IN PROGRESS
This document represents current concepts as of ___
(See date @ left border)

HATTENBURG DILLEY & LINNELL

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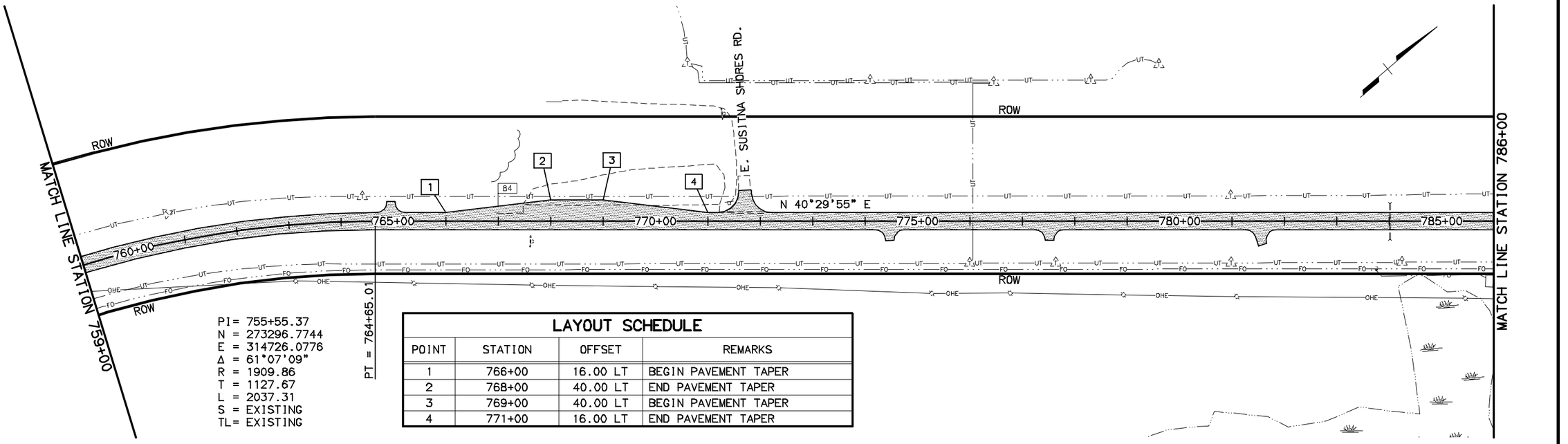
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	F3	F14



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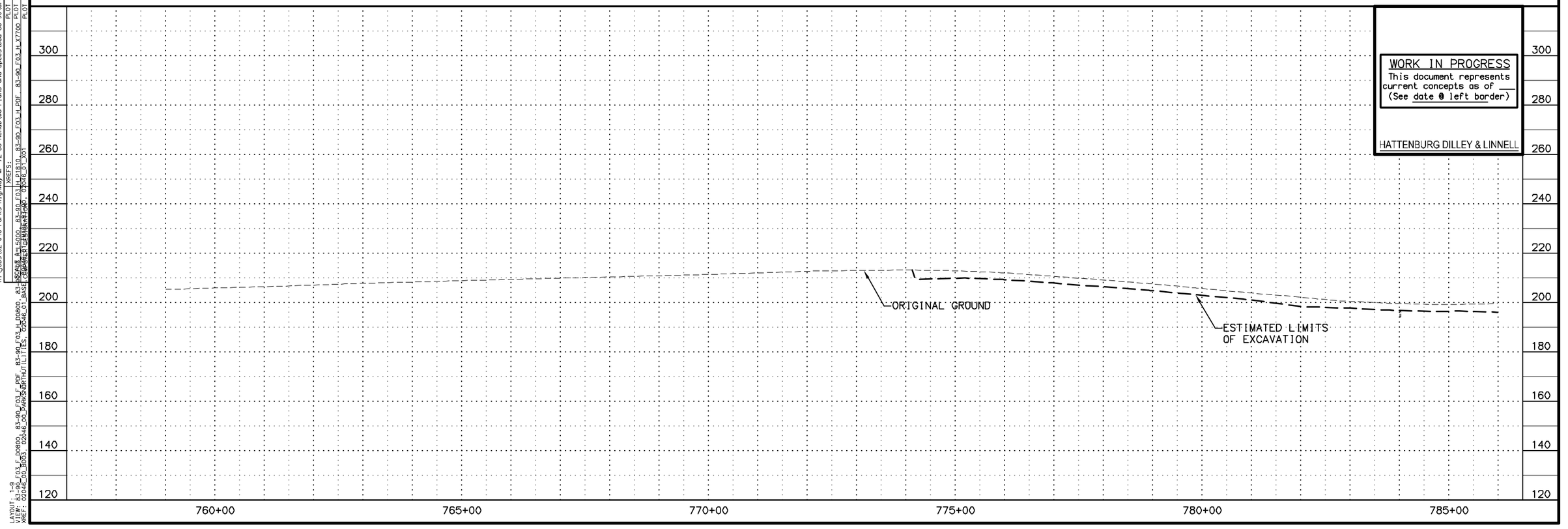
N = 273296.7744
E = 314726.0776
Δ = 61°07'09"
R = 1909.86
T = 1127.67
L = 2037.31
S = EXISTING
TL= EXISTING

PT = 764+65.01

LAYOUT SCHEDULE

POINT	STATION	OFFSET	REMARKS
1	766+00	16.00 LT	BEGIN PAVEMENT TAPER
2	768+00	40.00 LT	END PAVEMENT TAPER
3	769+00	40.00 LT	BEGIN PAVEMENT TAPER
4	771+00	16.00 LT	END PAVEMENT TAPER



WORK IN PROGRESS
This document represents current concepts as of ___
(See date @ left border)

HATTENBURG DILLEY & LINNELL

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XREFS:
PLOT DATE: 08/26/10
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DESIGNED BY DTF
CHECKED BY MRY
DRAFTED BY MRY
LAYOUT: 1-9
VIEW: 83-90_F03_H_X7200
XREF: 02046_01_F01-F14_CBB_PARKSHWY_UTILITIES_02046_01

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	F4	F14

PI= 817+59.58
N = 278180.3944
E = 318896.8663
Δ = 57°12'26"
R = 2864.79
T = 1562.17
L = 2860.37
S = EXISTING
TL= EXISTING

MATCH LINE STATION 786+00

MATCH LINE STATION 813+00

ROW

ROW

PC = 801+97.41

N 40°29'55" E

790+00

795+00

800+00

805+00

810+00

OVERHEAD WIRE
ELEV. UNKNOWN

OVERHEAD WIRE
ELEV. UNKNOWN

ESTIMATED LIMITS
OF EXCAVATION

ORIGINAL GROUND

ESTIMATED LIMITS
OF EXCAVATION

ESTIMATED LIMITS
OF EXCAVATION

WORK IN PROGRESS
This document represents current concepts as of ___
(See date @ left border)

HATTENBURG DILLEY & LINNELL

300 280 260 240 220 200 180 160 140 120

790+00 795+00 800+00 805+00 810+00

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BASE COMMAND DEFINITIONS: 02046_01_BASE.DWG
PLOT DATE: 08/26/10
PLOT SCALE: 1:100
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LAYOUT: 1-9
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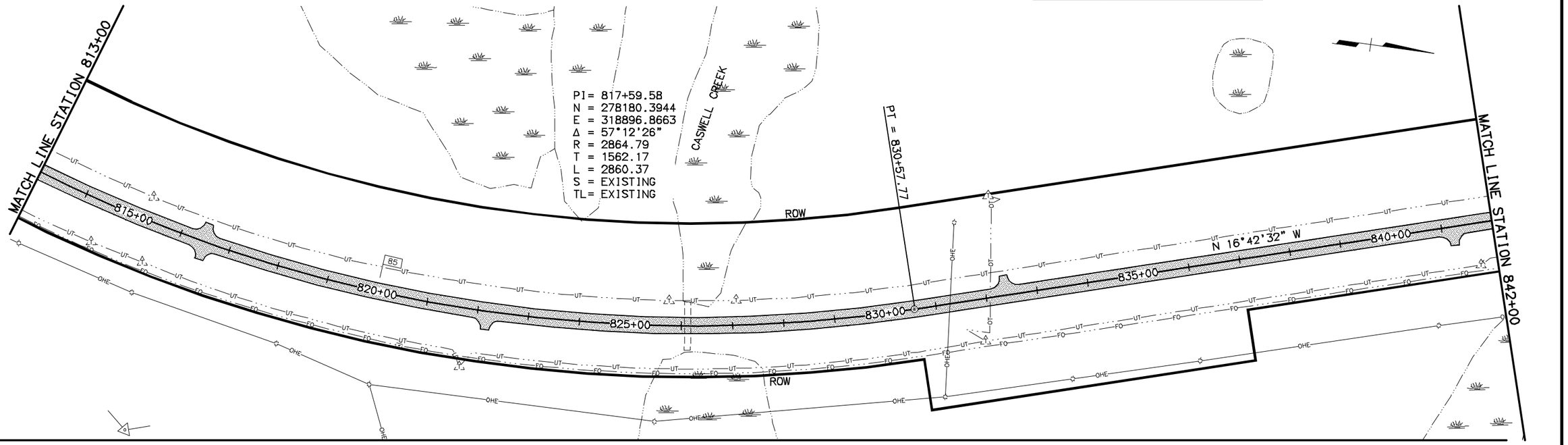
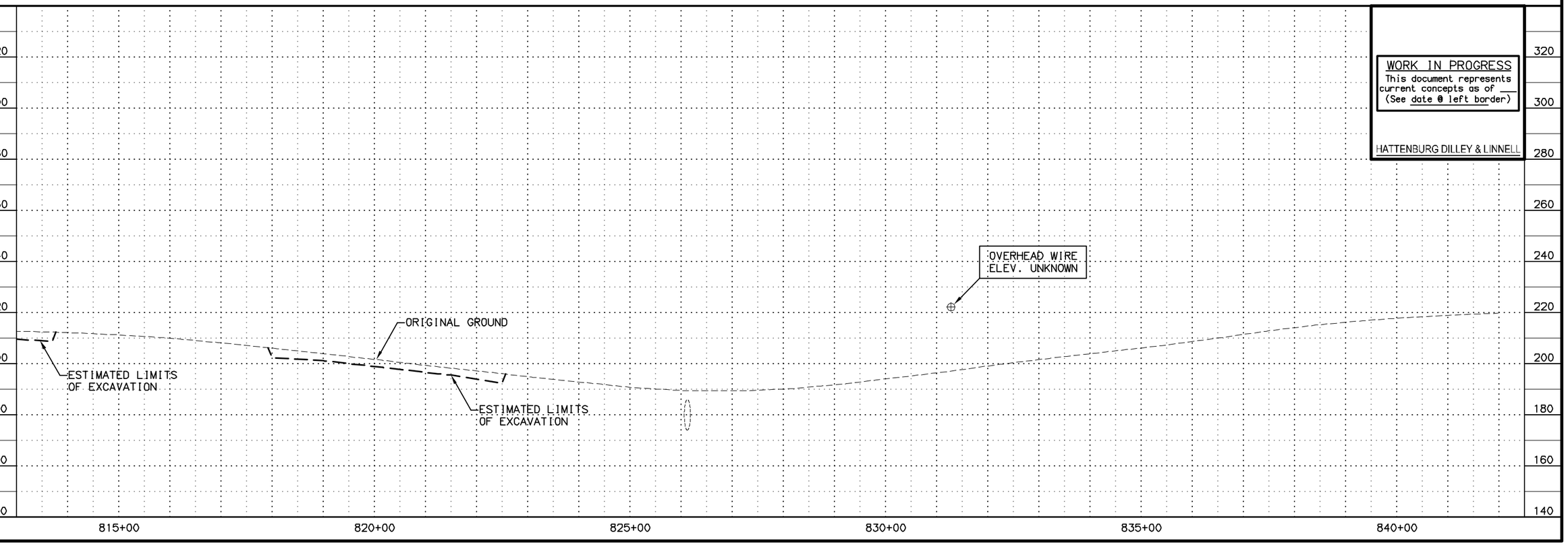
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	F5	F14





WORK IN PROGRESS
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(See date @ left border)

HATTENBURG DILLEY & LINNELL

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PLOT DATE: 08/26/10
PLOT SCALE: 1:100
PLOT VIEW:

DESIGNED BY DJF
CHECKED BY MRY
DRAFTED BY MRY

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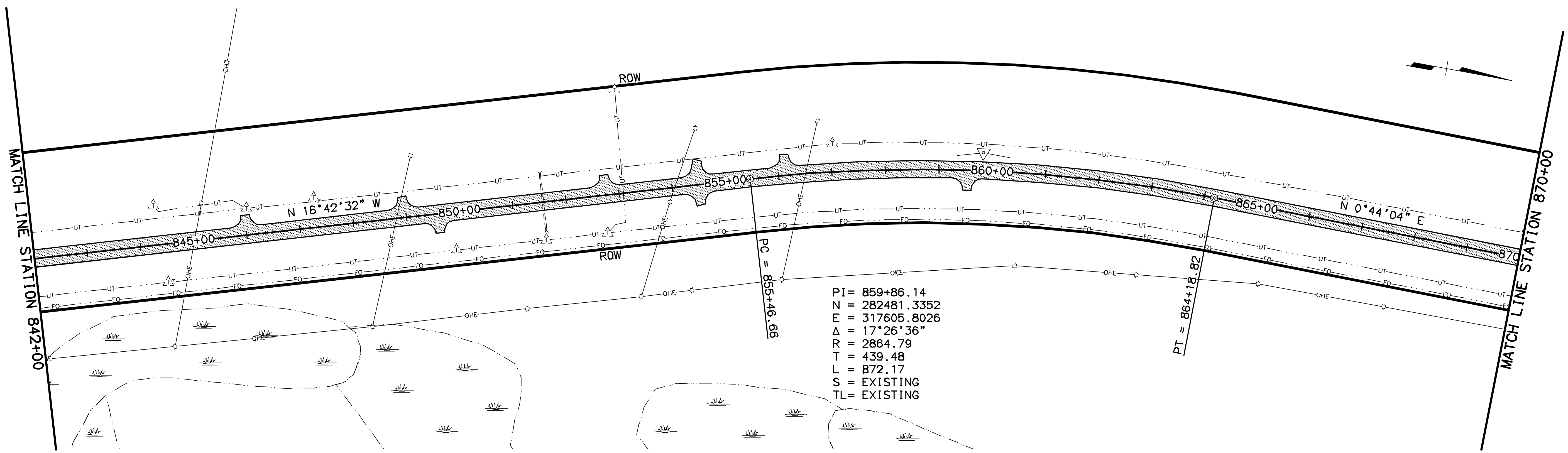
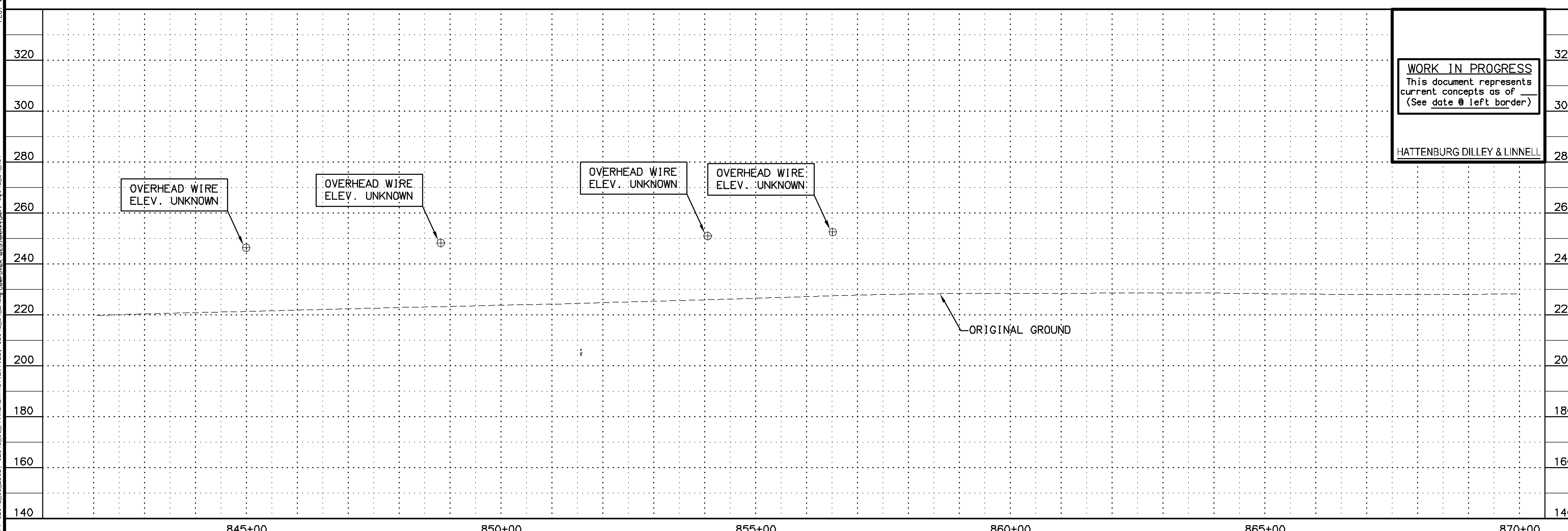
83-90_F00_C00.dwg 83-90_F00_L00800.dwg 83-90_F00_L01000.dwg 83-90_F00_L01010.dwg 83-90_F05_H.DWF 83-90_F05_H_X7200.dwg
020460_00_BORDER_ANSI_D.dwg 020460_00_BORDER_ANSI_D.dwg

LAYOUT: i-9
VIEW: 83-90_F05_H_X7200
XREFS: 020460_00_BORDER_ANSI_D.dwg 020460_00_BORDER_ANSI_D.dwg

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	F6	F14





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	PLOT SCALE: 1:100	CHECKED BY	JMF
	PLOT VIEW:	DRAFTED BY	NRY

LAYOUT: 1-9
VIEW: 83-90_F06_F_D0800, 83-90_F06_F_PDF, 83-90_F06_H_D0800, 83-90_F06_H_L5000, 83-90_F06_H_P1810, 83-90_F06_H_PDF, 83-90_F06_H_X7700
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REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	F7	F14

MATCH LINE STATION 870+00

MATCH LINE STATION 899+00

S. RESOLUTE DR.

ROW

ROW

86

N 0°44'04" E

+00 875+00 880+00 885+00 890+00 895+00

OHE UT FO

OVERHEAD WIRE ELEV. UNKNOWN

OVERHEAD WIRE ELEV. UNKNOWN

OVERHEAD WIRE ELEV. UNKNOWN

ORIGINAL GROUND

320 300 280 260 240 220 200 180 160 140

870+00 875+00 880+00 885+00 890+00 895+00

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(See date @ left border)

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XREFS:
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PLOT SCALE: 1:100
PLOT VIEW:

LAYOUT: 1-9
VIEW: 83-90_C07_E_D0800
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REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	F8	F14

MATCH LINE STATION 899+00

ROW

N 0°44'04" E

900+00 905+00 910+00 915+00 920+00 925+00

ROW

PC = 915+41.38

PI= 919+82.27
N = 288483.7667
E = 317682.7602
Δ = 17°29'54"
R = 2864.79
T = 440.89
L = 874.92
S = EXISTING
TL= EXISTING

PT = 924+16.29

N 18°13'58" E

MATCH LINE STATION 926+00

OVERHEAD WIRE ELEV. UNKNOWN

OVERHEAD WIRE ELEV. UNKNOWN

OVERHEAD WIRE ELEV. UNKNOWN

OVERHEAD WIRE ELEV. UNKNOWN

ORIGINAL GROUND

320 300 280 260 240 220 200 180 160 140

280 260 240 220 240 220 200 180 160 140

900+00 905+00 910+00 915+00 920+00 925+00

WORK IN PROGRESS
This document represents current concepts as of ___
(See date @ left border)

HATTENBURG DILLEY & LINNELL

H:\Jobs\02-046 Parks Highway MP 72-83 Rehab\06-Plans and Specs\cad 83-90\drawings\02046_01_F01-F14, 1=100, 08/26/10 at 15:53 by CDB

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PLOT SCALE: 1:100
PLOT VIEW:

DESIGNED BY DTF
CHECKED BY MRY
DRAFTED BY MRY

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ASSOCIATED DGNS:
02046_01_D800.dgn 02046_01_D810.dgn 02046_01_D900.dgn 02046_01_D910.dgn 02046_01_D920.dgn 02046_01_D930.dgn 02046_01_D940.dgn 02046_01_D950.dgn 02046_01_D960.dgn 02046_01_D970.dgn 02046_01_D980.dgn 02046_01_D990.dgn
BASE COORDINATE SYSTEM: NAD83(CORS96) ALASKA ZONE 3 (FEET)
FILES: 02046_01_F01.dgn
UTILITIES:

LAYOUT: 1-9
VIEW: 83-90_F08_H_D800.dgn 83-90_F08_H_D810.dgn 83-90_F08_H_D900.dgn 83-90_F08_H_D910.dgn 83-90_F08_H_D920.dgn 83-90_F08_H_D930.dgn 83-90_F08_H_D940.dgn 83-90_F08_H_D950.dgn 83-90_F08_H_D960.dgn 83-90_F08_H_D970.dgn 83-90_F08_H_D980.dgn 83-90_F08_H_D990.dgn 83-90_F08_H_X7200.dgn 83-90_F08_H_PDF.dgn
VIEW: 02046_01_D800.dgn 02046_01_D810.dgn 02046_01_D900.dgn 02046_01_D910.dgn 02046_01_D920.dgn 02046_01_D930.dgn 02046_01_D940.dgn 02046_01_D950.dgn 02046_01_D960.dgn 02046_01_D970.dgn 02046_01_D980.dgn 02046_01_D990.dgn

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	F9	F14

MATCH LINE STATION 926+00

MATCH LINE STATION 955+00

ROW

ROW

87

N 18°13'58" E

930+00 935+00 940+00 945+00 950+00 955

E. SWAMP ROBIN RD.

OHE

UT

FO

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This document represents current concepts as of ___
(See date @ left border)

HATTENBURG DILLEY & LINNELL

OVERHEAD WIRE ELEV. UNKNOWN

OVERHEAD WIRE ELEV. UNKNOWN

OVERHEAD WIRE ELEV. UNKNOWN

OVERHEAD WIRE ELEV. UNKNOWN

OVERHEAD WIRE ELEV. UNKNOWN

ORIGINAL GROUND

340 320 300 280 260 240 220 200 180 160

930+00 935+00 940+00 945+00 950+00 955+00

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83-90_F09_H.DGN - 83-90_F09_H_X7200.dgn
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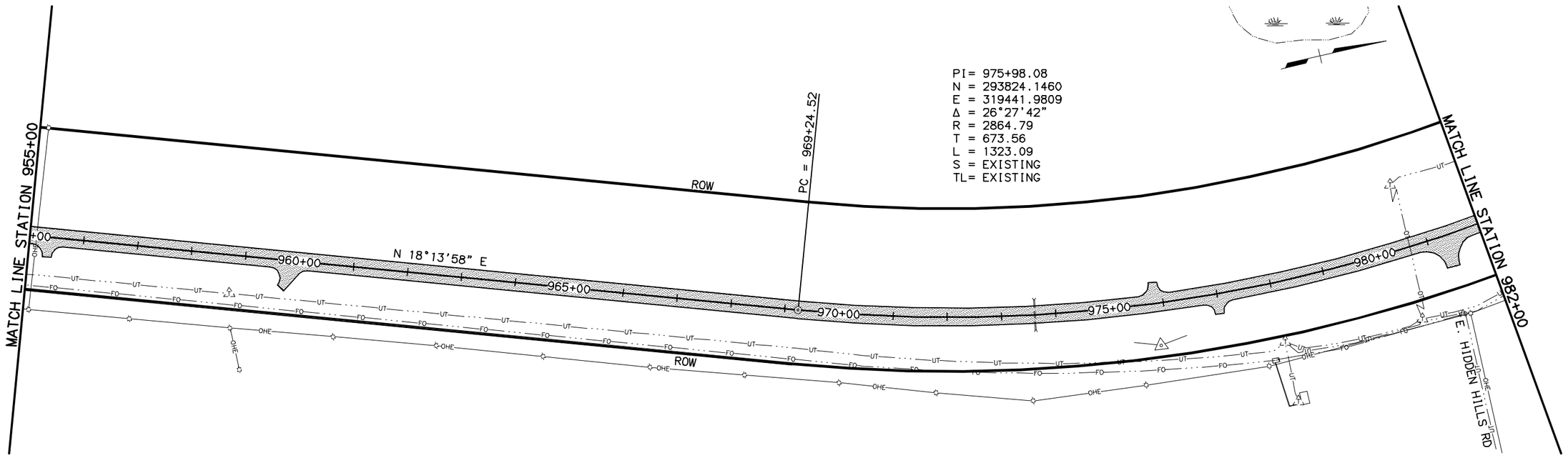
BASE COMBINED DESIGN FILE - 02046_01_BASE.dgn

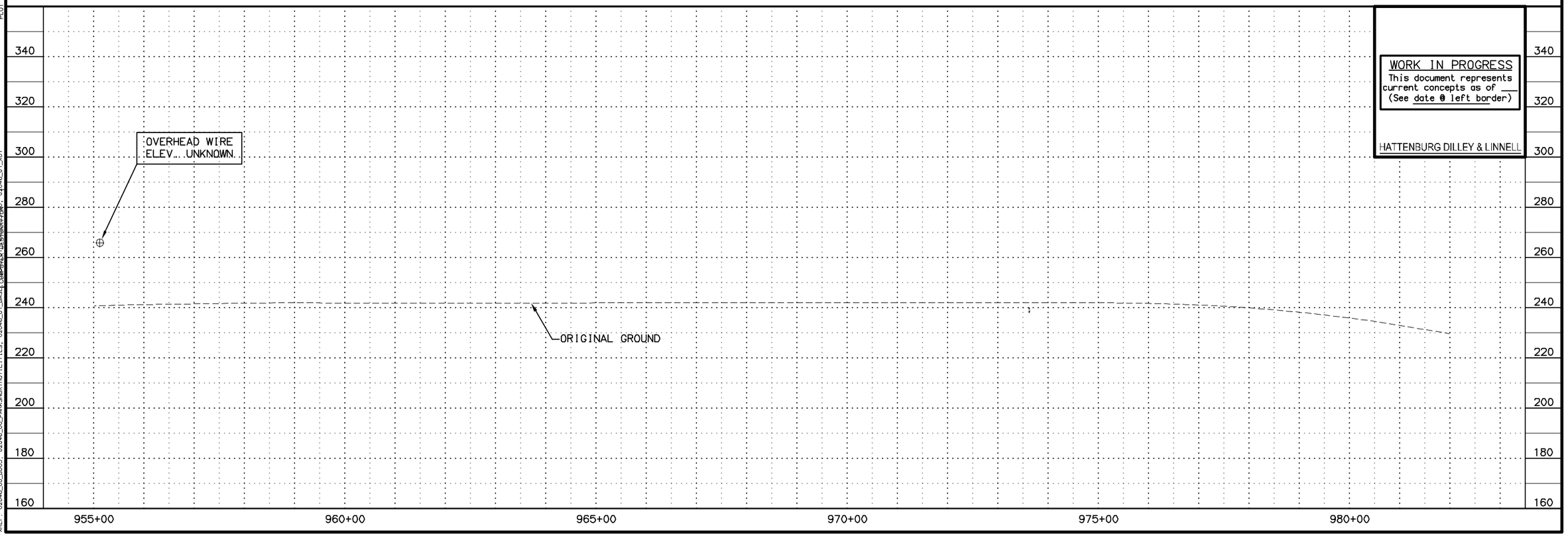
PLOT DATE: 08/26/10
PLOT SCALE: 1:100
PLOT VIEW:

DESIGNED BY DIF
CHECKED BY MP
DRAFTED BY MKV

LAYOUT: 1-9
VIEW: 83-90_F09_H_D800
VIEW: 02046_01_BASE_COMBINED_DESIGN_FILE
VIEW: 02046_01_BASE_CS_02046_01
VIEW: 83-90_F09_H_D800_ALIGNMENTS
VIEW: 83-90_F09_H_D800_UTILITIES

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	F10	F14





WORK IN PROGRESS
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(See date @ left border)

HATTENBURG DILLEY & LINNELL

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PLOT DATE: 08/26/10
PLOT SCALE: 1':100
PLOT VIEW:
DESIGNED BY DTF
CHECKED BY MAY
DRAFTED BY MRY
LAYOUT: 10-14
VIEW: 83-90_F10_H
XREFS: 02046_01_F01-F14_1=100_08/26/10 at 15:53 by CBB

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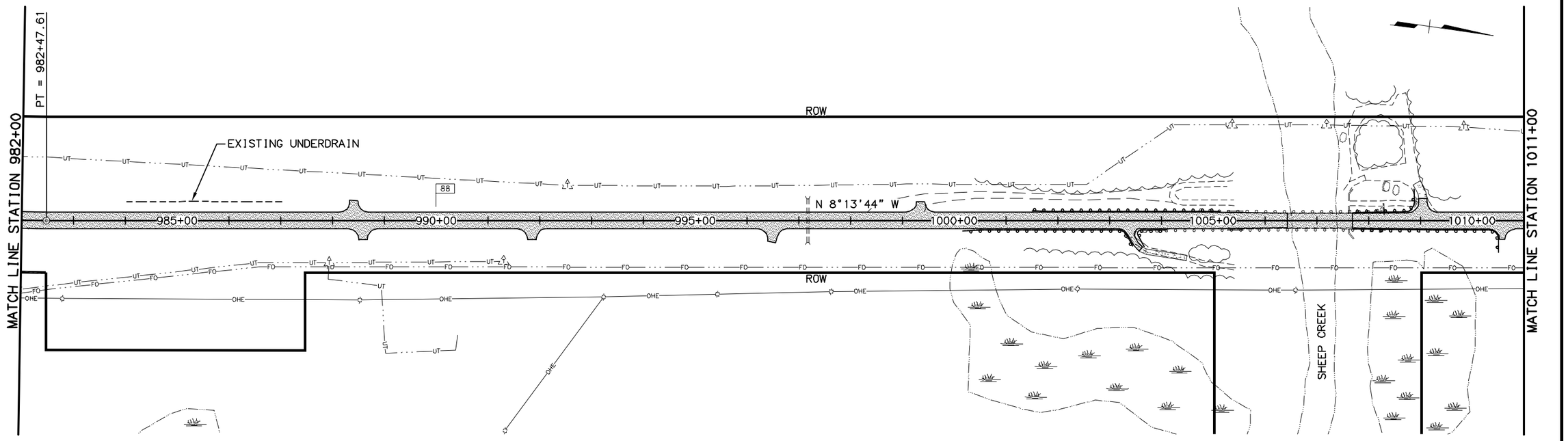
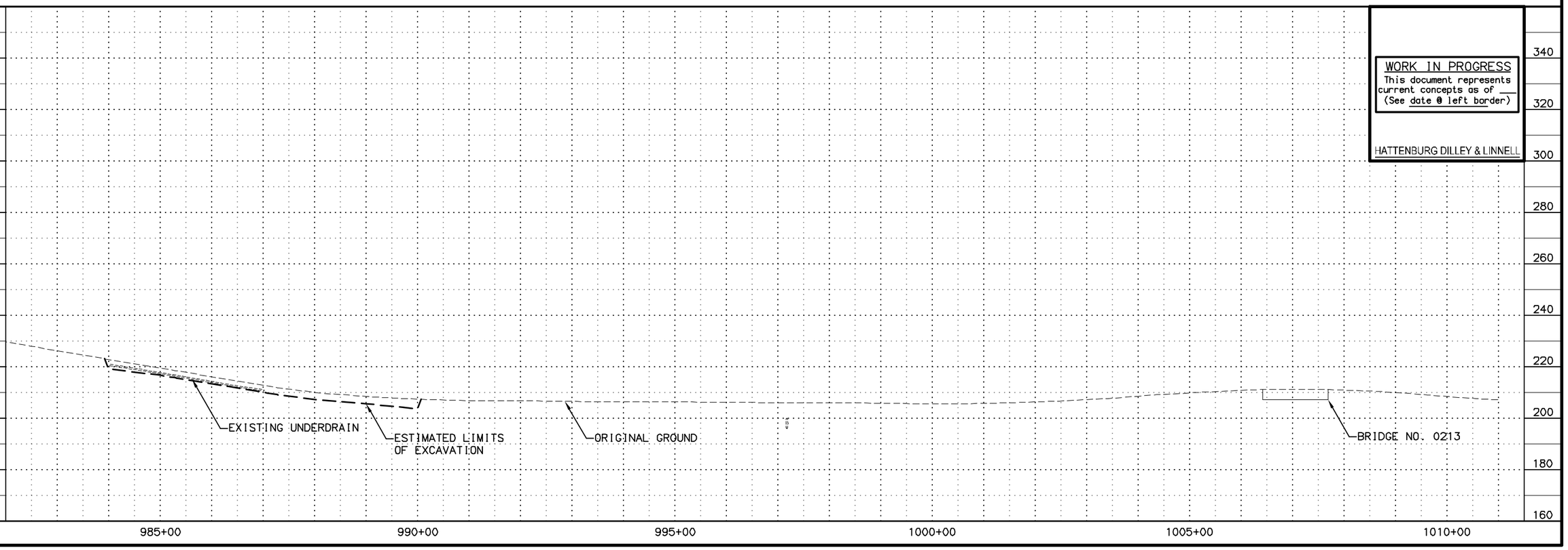
No.	DATE	DESCRIPTION	ALASKA	51850	2010	F11	F14





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PLOT SCALE: 1:100	CHECKED BY	MRY
PLOT VIEW:	DRAFTED BY	MRY

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BASE COMMON DESIGN.DGN

LAYOUT: 10-14
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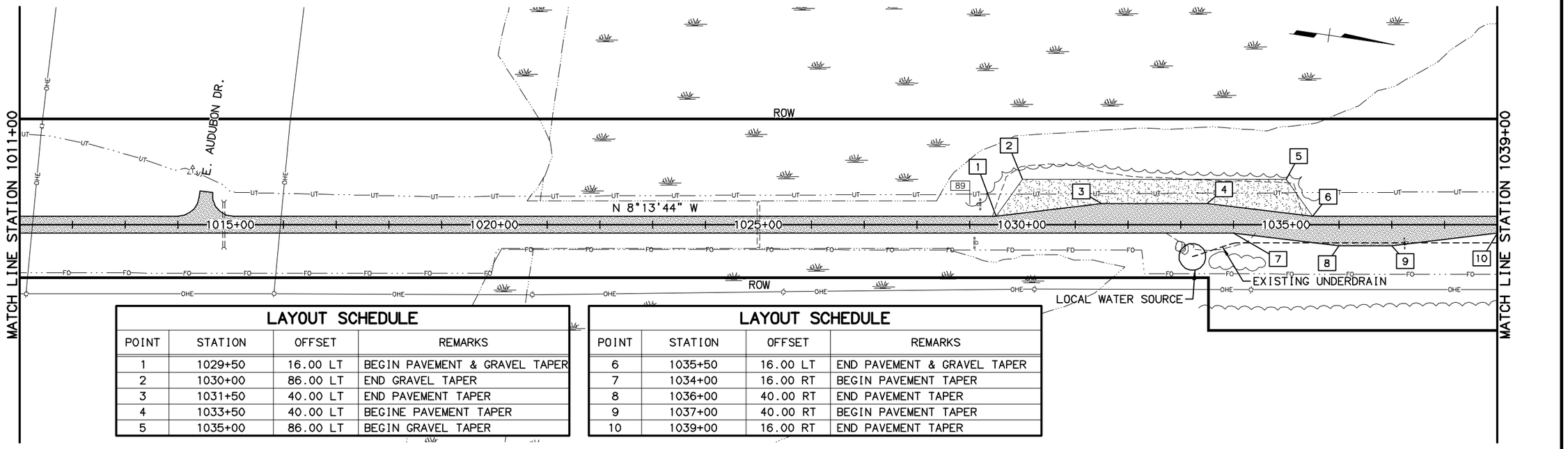
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	F12	F14

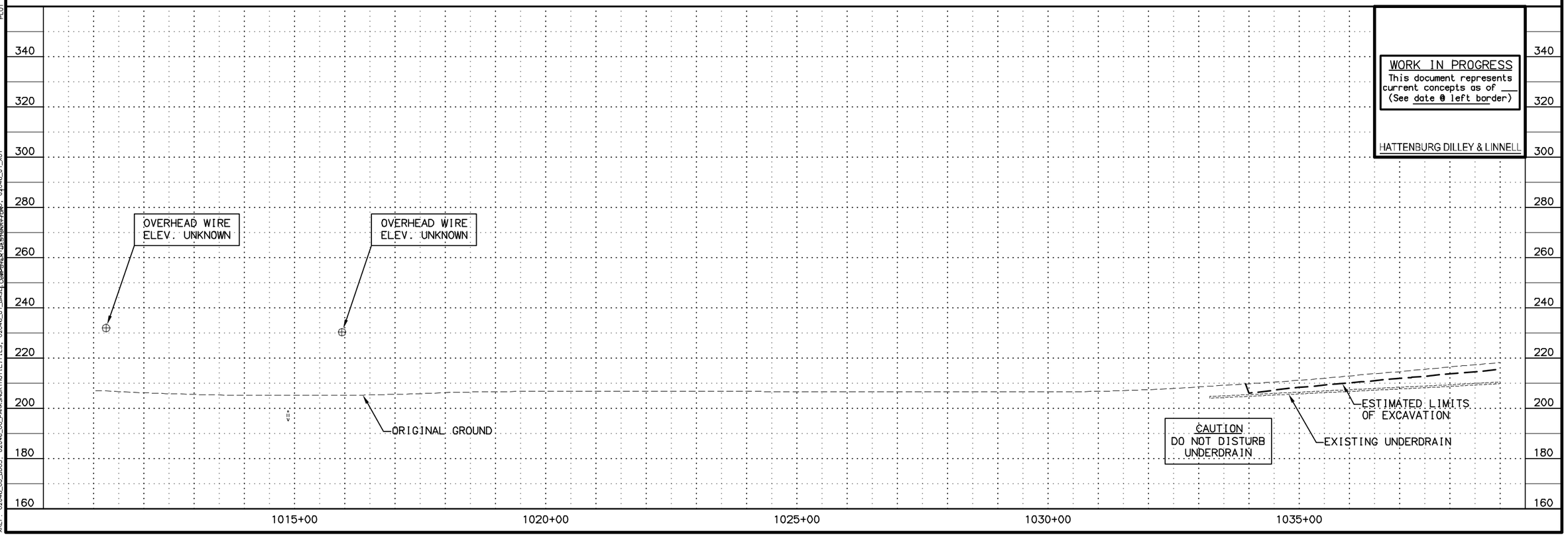


LAYOUT SCHEDULE

POINT	STATION	OFFSET	REMARKS
1	1029+50	16.00 LT	BEGIN PAVEMENT & GRAVEL TAPER
2	1030+00	86.00 LT	END GRAVEL TAPER
3	1031+50	40.00 LT	END PAVEMENT TAPER
4	1033+50	40.00 LT	BEGINE PAVEMENT TAPER
5	1035+00	86.00 LT	BEGIN GRAVEL TAPER

LAYOUT SCHEDULE

POINT	STATION	OFFSET	REMARKS
6	1035+50	16.00 LT	END PAVEMENT & GRAVEL TAPER
7	1034+00	16.00 RT	BEGIN PAVEMENT TAPER
8	1036+00	40.00 RT	END PAVEMENT TAPER
9	1037+00	40.00 RT	BEGIN PAVEMENT TAPER
10	1039+00	16.00 RT	END PAVEMENT TAPER



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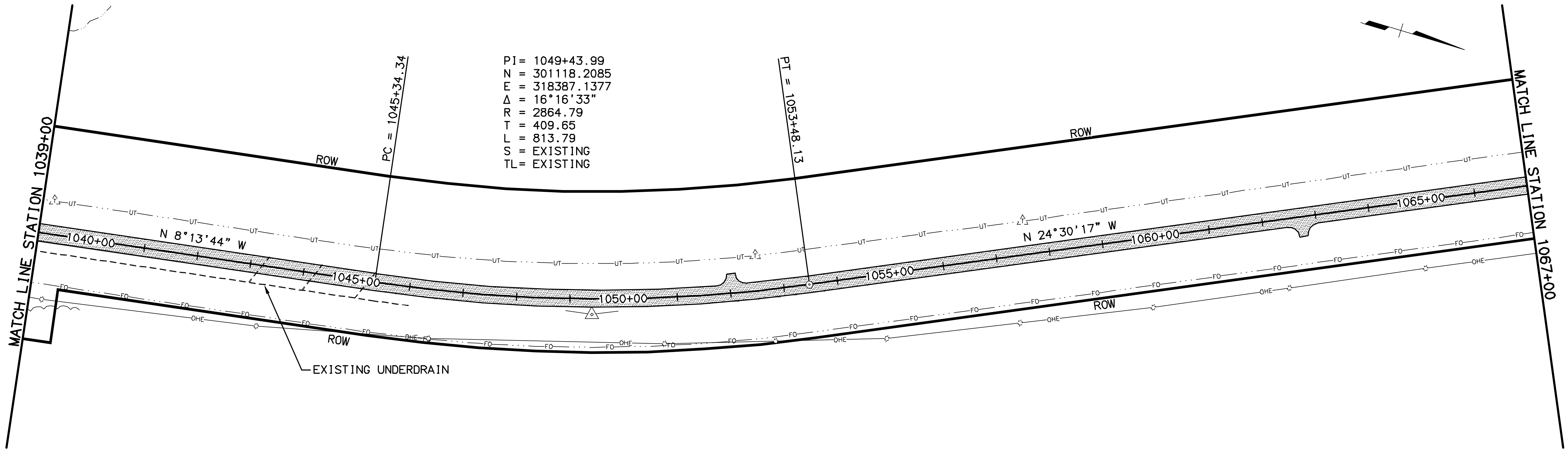
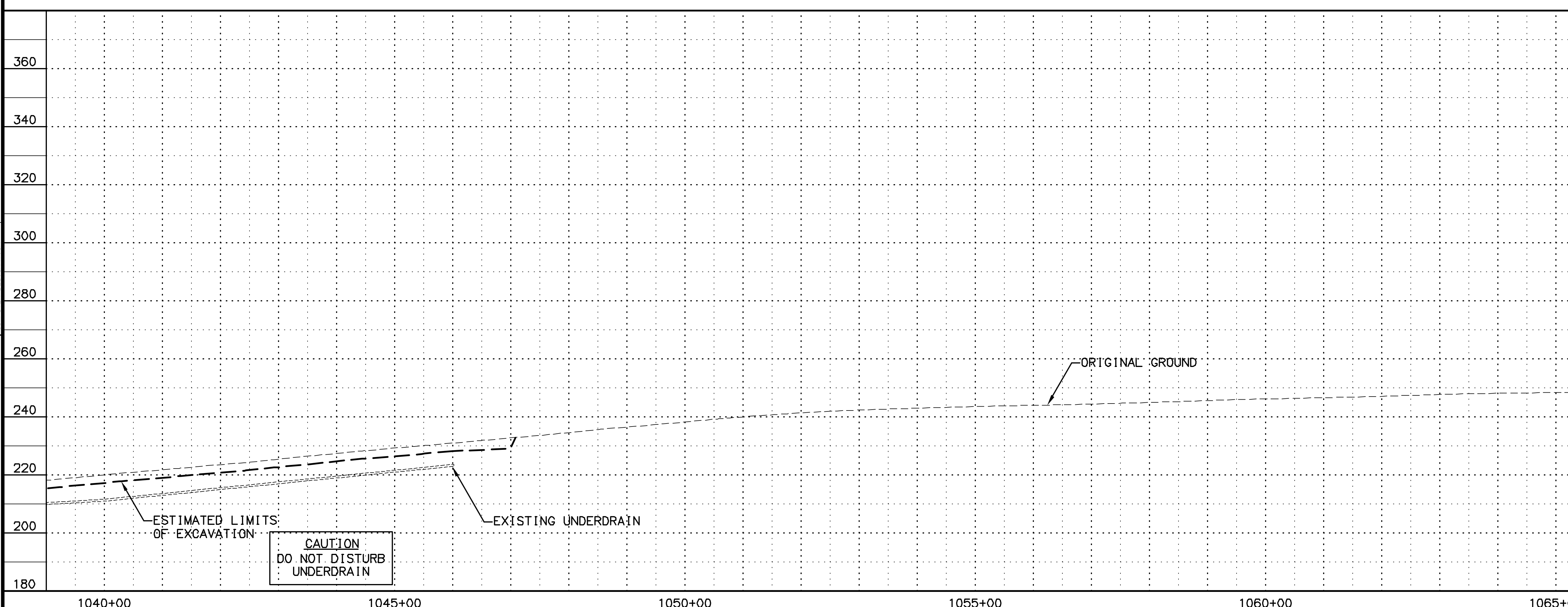
PLOT DATE: 08/26/10
PLOT SCALE: 1:100
PLOT VIEW:

DESIGNED BY	DTF
CHECKED BY	MRY
DRAFTED BY	MRY

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	F13	F14





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DESIGNED BY	DIF
CHECKED BY	JMF
DRAFTED BY	NRY
PLOT CTB:	adot_hs,adot_fs
PLOT SCALE:	1:100
PLOT VIEW:	

LAYOUT: 10-14

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	F14	F14

MATCH LINE STATION 1067+00

ROW

UT

90

N 24°30'17" W

1070+00 1075+00 1080+00

END OF PROJECT
STA 1082+00

FO

ROW

OHE

ORIGINAL GROUND

340 320 300 280 260 240 220 200 180 160

1070+00 1075+00 1080+00

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This document represents current concepts as of ___
(See date @ left border)

HATTENBURG DILLEY & LINNELL

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PLOT DATE:	08/26/10	DESIGNED BY: DJF
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PLOT VIEW:		DRAFTED BY: MRV

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LAYOUT: 10-14
VIEW: 83-90_F14_H_PNF
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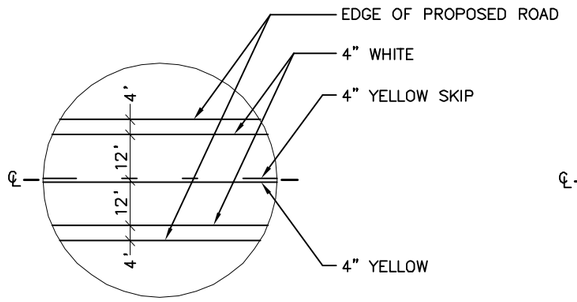
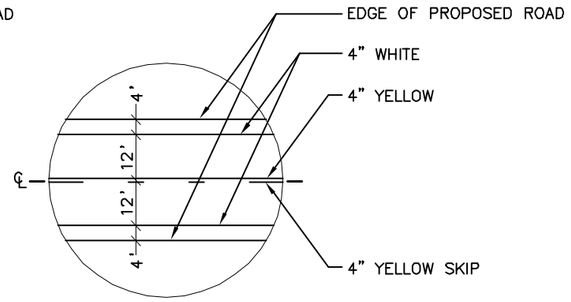
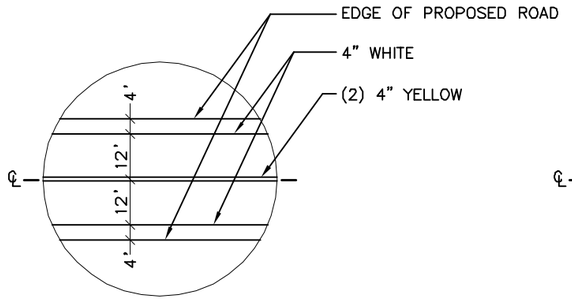


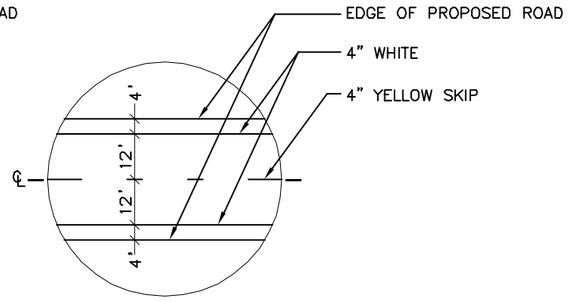
LANE STRIPING
SOUTHBOUND LANE PASS
NORTHBOUND LANE NO PASS



LANE STRIPING
SOUTHBOUND LANE NO PASS
NORTHBOUND LANE PASS



LANE STRIPING
SOUTHBOUND LANE NO PASS
NORTHBOUND LANE NO PASS



LANE STRIPING
SOUTHBOUND & NORTHBOUND LANE PASS

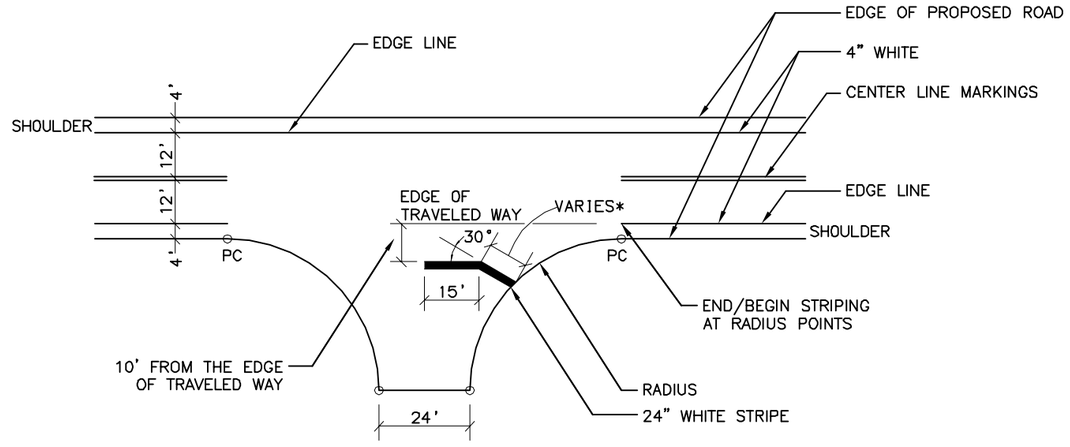
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	H1	H1

GENERAL STRIPING NOTES

1. ALL STRIPING SHALL CONFORM TO THESE TYPICAL DRAWINGS, THE STANDARD DRAWINGS, AND THE ALASKA TRAFFIC MANUAL.
2. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
3. ALL STRIPING SHALL BE METHYL METHACRYLATE.
4. ALL STRIPING SHALL HAVE A YIELD THICKNESS OF 60 MILLS.

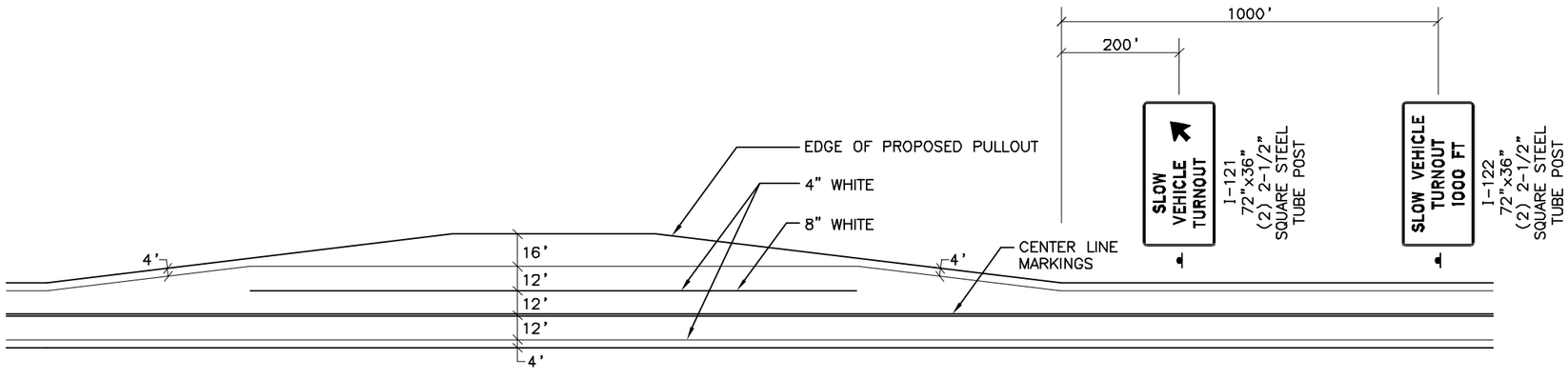
GENERAL SIGNING NOTES

1. SIGN MOUNTING HEIGHT IS 7' AS SHOWN ON STANDARD DRAWING S-05.01.
2. ALL SIGNS SHALL BE CONVENTIONAL CLASS AS DESIGNED BY THE ALASKA SIGN DESIGN SPECIFICATIONS, UNLESS NOTED OTHERWISE.



STOP BAR DETAIL

* OMIT ANGLE IF LESS THAN 10 FEET



TYPICAL LANE STRIPING & SIGNAGE FOR SLOW VEHICLE TURNOUT

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(See date @ left border)

HATTENBURG DILLEY & LINNELL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITY

PARKS HIGHWAY M.P. 83-90
WEIGHT RESTRICTION ELIMINATION PROJECT

SIGNING & STRIPING DETAILS

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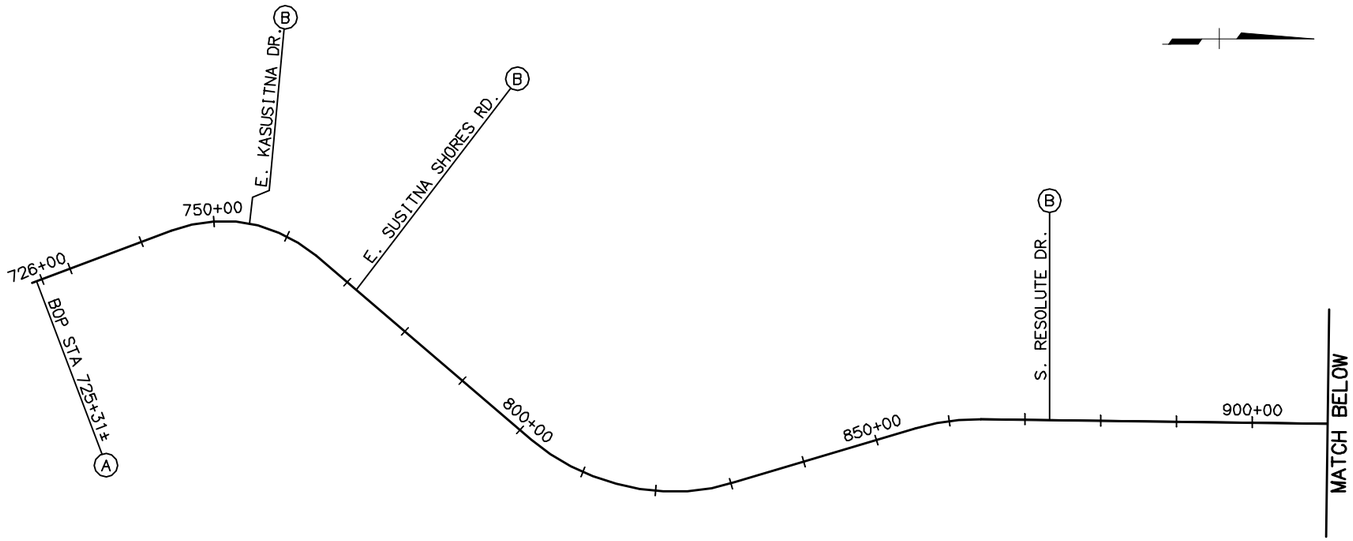
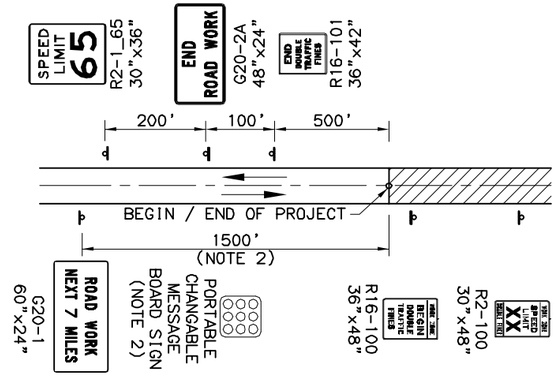
CHECKED BY: MW
DRAFTED BY: MKV
XREFS:
SCALE: 1"=
COMPUTER DESIGNATION:
LAYOUT: 1-7
VIEW: 83-90_HLOI_00800, 83-90_HLOI_HL5000, 83-90_HLOI_HLX7700
XREF: 02046_00.dgn

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	J1	J2

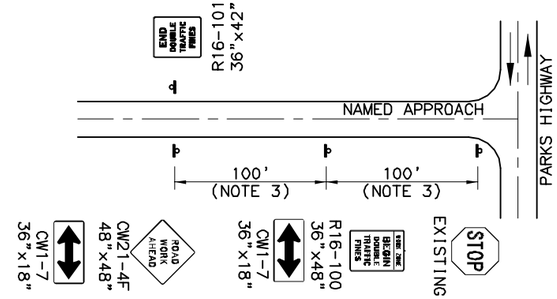
NOTES:

1. ALL SIGNING AND STRIPING SHALL CONFORM TO THE ALASKA TRAFFIC MANUAL, STANDARD DRAWINGS, PLANS AND SPECIFICATIONS.
2. LOCATION TO BE DETERMINED BY THE PROJECT ENGINEER.
3. WHERE SIDE STREETS ARE NOT LONG ENOUGH TO PERMIT 200 FEET TOTAL ADVANCE SIGNING, THIS DISTANCE SHALL BE REDUCED AS DIRECTED BY THE ENGINEER.

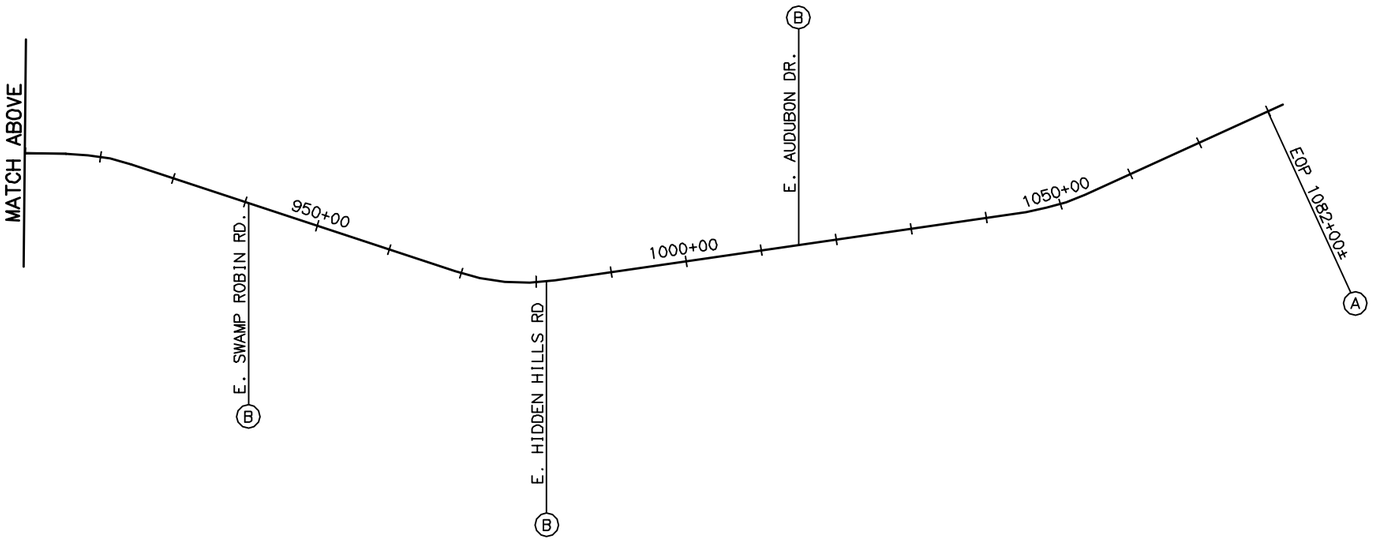




Ⓐ TYPICAL LAYOUT
BEGIN / END OF PROJECT
PERMANENT CONSTRUCTION SIGNS



Ⓑ TYPICAL LAYOUT
NAMED APPROACH
PERMANENT CONSTRUCTION SIGNS



WORK IN PROGRESS
This document represents current concepts as of ___
(See date @ left border)

HATTENBURG DILLEY & LINNELL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITY

PARKS HIGHWAY M.P. 83-90
WEIGHT RESTRICTION ELIMINATION PROJECT

TRAFFIC CONTROL
PERMANENT CONSTRUCTION SIGNS

H:\Jobs\02-046 Parks Highway MP 72-83 Rehab\06-Plans and Specs\cad 83-90\drawings\020466_01_J01, 1=1000, 01/18/10 at 09:45 by mry

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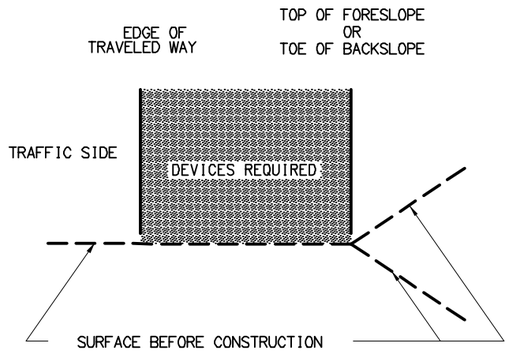
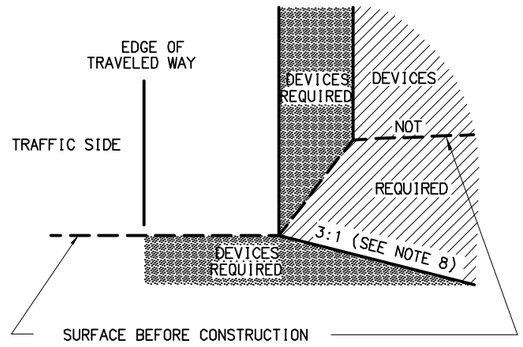
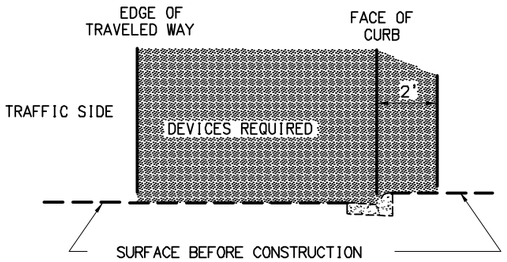


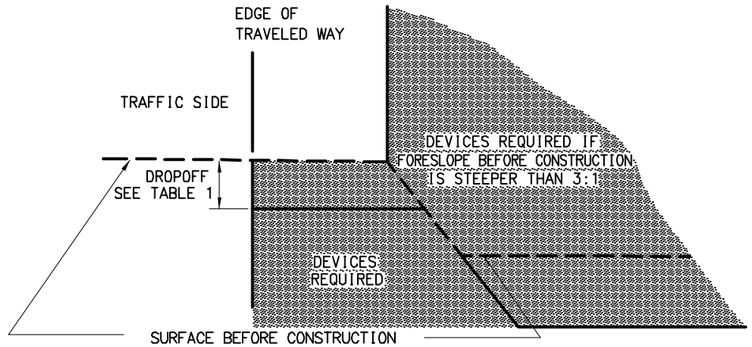
EMBANKMENT SECTION



BACKSLOPE SECTION



CURB AND GUTTER SECTION



FORESLOPE SECTION

LEGEND

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

TABLE 1
TRAFFIC CONTROL DEVICES REQUIRED FOR VERTICAL DROPOFFS ≤ 4 FEET FROM TRAVELED WAY *

ROADWAY TYPE	DROPOFF ≤ 2"	2" < DROPOFF < 12"	DROPOFF ≥ 12"
AVERAGE DAILY TRAFFIC > 4000 OR SPEED > 40 MPH	TAPER ASPHALT AT 1:1 OR ~45°	TYPE II BARRICADES OR DRUMS	TEMPORARY PORTABLE CONCRETE BARRIER OR TEMPORARY GUARDRAIL
ALL OTHER ROADWAYS	NONE REQUIRED	TUBULAR CANDLES OR DELINEATORS	TYPE II BARRICADES OR DRUMS

* SPACE THE DEVICES IN ACCORDANCE WITH REQUIREMENTS FOR SPACING TYPE II BARRICADES AND DRUMS SET FORTH IN THE ALASKA TRAFFIC MANUAL.

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	J2	J2

NOTES:

1. TRAFFIC CONTROL DEVICES REQUIRED BY THE GUIDELINES ON THIS SHEET ARE INTENDED FOR CONDITIONS WHICH WILL BE IN PLACE LONGER THAN ONE CONTINUOUS WORK SHIFT. AN APPROVED TRAFFIC CONTROL PLAN IS REQUIRED PRIOR TO BEGINNING WORK.
2. THE GROUND CROSS SECTION AT A LOCATION BEFORE CONSTRUCTION DETERMINES WHETHER TRAFFIC CONTROL DEVICES ARE NEEDED AT THE SAME LOCATION DURING CONSTRUCTION.
3. GUARDRAIL EXISTING AT A LOCATION BEFORE CONSTRUCTION SHALL REMAIN IN PLACE DURING CONSTRUCTION OR APPROVED ALTERNATE DEVICES INSTALLED.
4. INSTALL TRAFFIC CONTROL DEVICES BETWEEN THE EDGE OF TRAVELED WAY AND THE WORK AREA ON ANY ROADWAY OPENED TO TRAFFIC WHEN REQUIRED BY THIS DRAWING.
5. EXISTING ROADWAY ALIGNMENTS

   INSTALL TRAFFIC CONTROL DEVICES WHEN WORK OCCURS IN THE DEVICES REQUIRED AREAS SHOWN ON THIS DRAWING.
6. DETOURS, TEMPORARY ROADWAYS, OR NEW ROADWAYS NOT YET COMPLETE

   INSTALL TRAFFIC CONTROL DEVICES WHEN ANY OF THE FOLLOWING CONDITIONS EXIST:

   A. THE HORIZONTAL OR VERTICAL CURVATURE IS MORE SEVERE THAN BEFORE CONSTRUCTION BEGAN.

   B. THE ROADWAY OR SHOULDER WIDTH IS LESS THAN BEFORE CONSTRUCTION BEGAN.

   C. THE BACKSLOPE OR FORESLOPE IS STEEPER THAN BEFORE CONSTRUCTION BEGAN.

   D. THE HEIGHT OF THE FORESLOPE IS GREATER THAN BEFORE CONSTRUCTION BEGAN.
7. DROPOFFS:

   INSTALL TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE FORESLOPE SECTION DETAIL AND TABLE 1.
8. ON ANY NEWLY CONSTRUCTED SLOPE STEEPER THAN 4:1 TO 3:1 PROVIDE A TEN FOOT FLAT RECOVERY AREA AT THE TOE OF SLOPE OR INSTALL TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE FORESLOPE SECTION DETAIL.
9. TRAFFIC CONTROL DEVICE REQUIREMENTS:

   A. ON ROADWAYS WITH A SPEED LIMIT GREATER THAN 40 MILES PER HOUR OR AVERAGE DAILY TRAFFIC VOLUME GREATER THAN 4000 VEHICLES PER DAY INSTALL TEMPORARY PORTABLE CONCRETE BARRIER OR TEMPORARY GUARDRAIL. ON MULTI-LANE ROADWAYS CLOSE THE LANE CLOSEST TO THE WORK AREA AND INSTALL DRUMS.

   TERMINATE RUNS OF TEMPORARY PORTABLE CONCRETE BARRIER USING ONE OF THE FOLLOWING THREE METHODS:

   I.) TEMPORARY CRASH ATTENUATOR.

   II.) RIGID TO SEMI-RIGID GUARDRAIL TRANSITION WITH SLOTTED RAIL TERMINAL OR OTHER APPROVED CRASHWORTHY END TREATMENT.

   III.) FLARE THE ENDS OF THE TEMPORARY BARRIER AWAY FROM THE ROADWAY AT A RATE OF 15:1 ON A TRANSVERSE SLOPE OF 10:1 OR FLATTER TO THE OUTSIDE EDGE OF THE CLEAR ZONE AND INSTALL A SLOPING END TREATMENT, PER STANDARD DRAWING G-46.10.

   TERMINATE RUNS OF TEMPORARY GUARDRAIL USING EITHER OF THE FOLLOWING TWO METHODS:

   I.) SLOTTED RAIL TERMINAL OR OTHER APPROVED CRASHWORTHY END TREATMENT.

   II.) FLARE THE ENDS OF THE TEMPORARY GUARDRAIL AWAY FROM THE ROADWAY AT A RATE OF 15:1 ON A TRANSVERSE SLOPE OF 10:1 OR FLATTER TO THE OUTSIDE EDGE OF THE CLEAR ZONE.

   B. ON ALL OTHER ROADWAYS INSTALL TYPE II BARRICADES, DRUMS OR DELINEATORS WHEN DEVICES ARE REQUIRED. SPACE THE DEVICES IN ACCORDANCE WITH THE REQUIREMENTS FOR SPACING TYPE II BARRICADES AND DRUMS SET FORTH IN THE ALASKA TRAFFIC MANUAL.
10. DO NOT CONSTRUCT VERTICAL DROPOFFS GREATER THAN 1.5" WITHIN THE TRAFFIC LANE OR ACTIVE WHEEL TRACK. PROVIDE 2' OF SHY DISTANCE FROM EDGE OF ALL TRAFFIC CONTROL DEVICES TO THE EDGE OF THE TRAVELED WAY.

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HATTENBURG DILLEY & LINNELL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITY

PARKS HIGHWAY M.P. 83-90
WEIGHT RESTRICTION ELIMINATION PROJECT

TRAFFIC CONTROL DEVICES
FOR ROADSIDES

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XREF: 02046_01_B001

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	K1	K10

633(1)

SILT FENCE

SHEET	LOCATION	OFFSET	LENGTH(FT)	REMARKS
K4	724+69 TO 724+85	LT/RT	258	
K4	726+52 TO 726+56	LT/RT	249	
K4	731+37 TO 733+76	RT	265	
K4	732+30 TO 733+53	LT	190	
K4	738+32 TO 746+78	RT	925	
K4	739+79 TO 742+16	LT	270	
K5	783+62 TO 785+72	RT	210	
K6	825+13 TO 828+09	RT	315	
K6	825+48 TO 827+41	LT	243	
K9	999+41 TO 1001+26	RT	232	
K9	1006+28 TO 1006+62	LT/RT	232	
K9	1007+41 TO 1007+47	LT/RT	225	
K9	1007+94 TO 1010+41	RT	250	
K9	1019+61 TO 1031+56	RT	1195	
K9	1020+16 TO 1029+33	LT	972	

690(3)

SEDIMENT TRAPS

SHEET	STATION	OFFSET	REMARKS
K1	732+85	RT	
K3	784+00	RT	
K6	851+57	RT	
K8	904+02	RT	
K8	921+02	RT	
K9	935+37	RT	
K10	973+62	RT	
K11	997+17	RT	
K12	1014+87	RT	

LEGEND

- SF — SILT FENCE
- VB — VEGETATIVE BUFFER
- FLOW ARROW
- WETLAND
- SEDIMENT TRAP
- DIGOUT AREA

WORK IN PROGRESS
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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PARKS HIGHWAY M.P. 83-90
WEIGHT RESTRICTION ELIMINATION PROJECT

EROSION & SEDIMENT CONTROL SUMMARY SHEET

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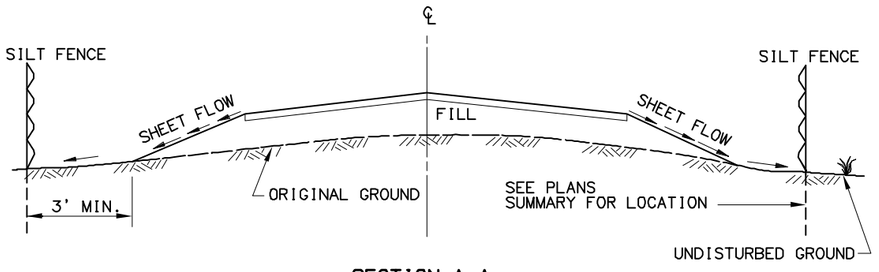
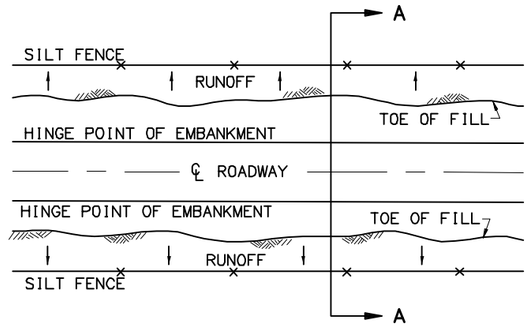
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	K2	K10



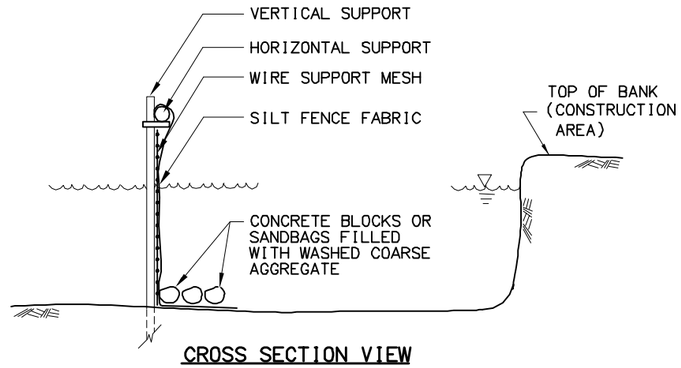
SECTION A-A

GENERAL NOTES:

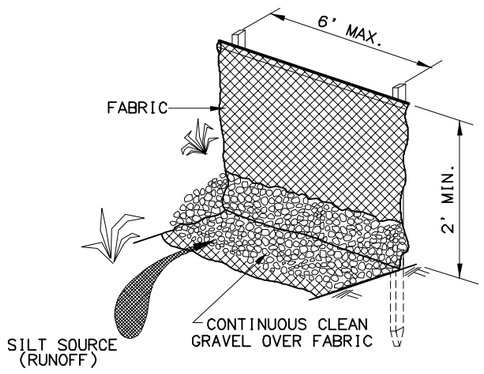
1. INSTALLATION AND APPLICATION SHALL BE IN ACCORDANCE WITH THE ADOT/PF SEDIMENT AND EROSION CONTROL MANUAL (http:\\www.dot.state.ak.us).
2. SILT FENCE FABRIC SHALL BE OVERLAPPED 6" AT FENCE SUPPORTS.
3. SILT FENCE FABRIC SHALL BE TAUT, NOT LOOSE OR FOLDED.
4. THE CONTRACTOR SHALL INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT.
5. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.



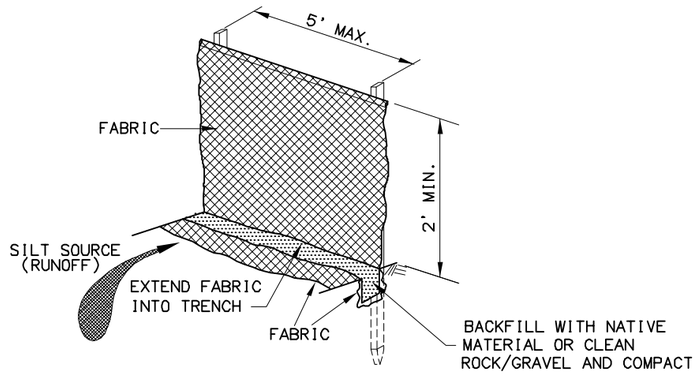
PLAN VIEW



CROSS SECTION VIEW



BACKFILL ALTERNATE



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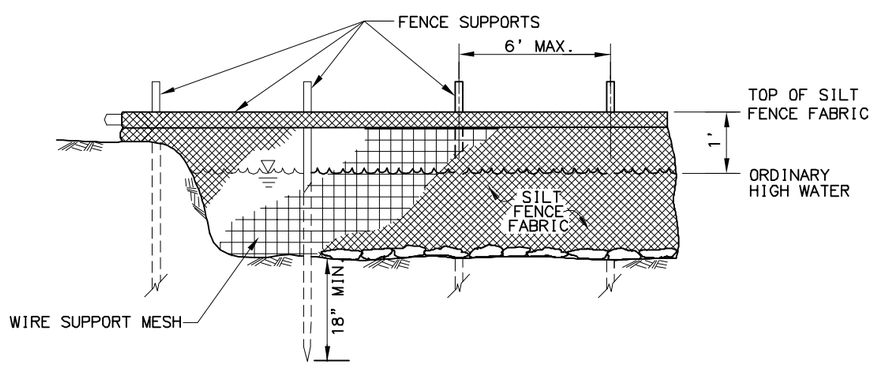

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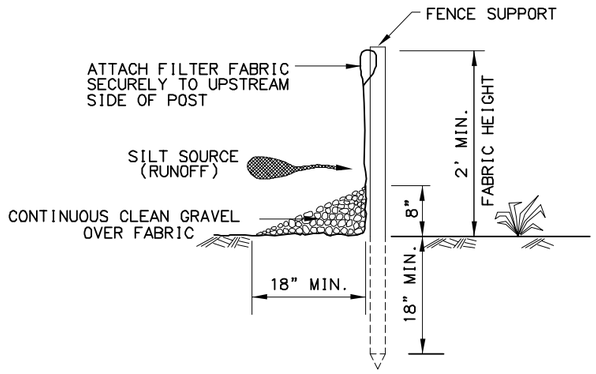

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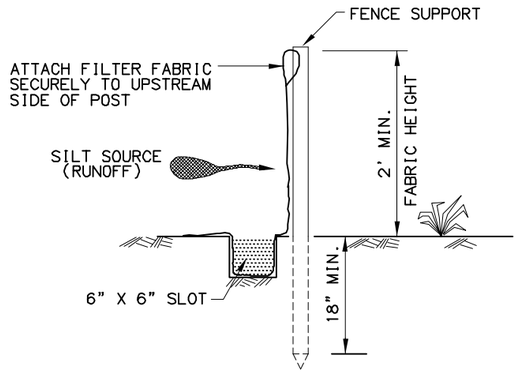

TRENCH CROSS SECTION

FOR USE ON LAND

1. FENCE SHALL BE PLACED AT LEAST 3' FROM THE TOE OF EMBANKMENT OR EXCAVATION AREAS, OR AS DIRECTED BY THE ENGINEER.
2. ACCUMULATION OF SEDIMENT BEHIND SILT FENCE SHALL BE REMOVED WHEN DEPTH REACHES 9". REMOVED SEDIMENT SHALL BE DEPOSITED IN AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

FOR USE IN WATER

1. SECURE THE ENDS OF SILT FENCE TO THE BANK.
2. SILT FENCE FRAMEWORK SHALL BE NOMINAL 2" X 2" WOOD, 3" DIAMETER WOOD, #6 REBAR WITH PVC SLEEVES, 3/4" IRON PIPE, OR OTHER POSTS CAPABLE OF SUPPORTING THE INSTALLATION, AS APPROVED BY THE ENGINEER.
3. THE WIRE MESH SUPPORT SHALL BE WWF 6" X 6", W1 X W1 OR AS APPROVED BY THE ENGINEER.
4. FENCE ANCHORED IN STANDING WATER SHALL HAVE THE BOTTOM ANCHORED WITH SANDBAGS OR CONCRETE BLOCKS AS DETAILED ABOVE.

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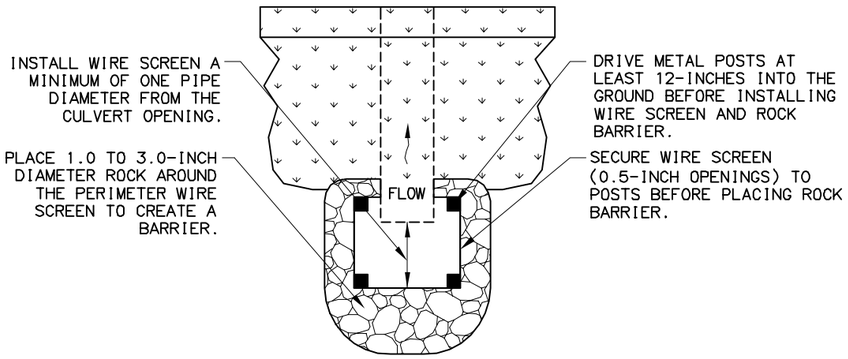
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITY

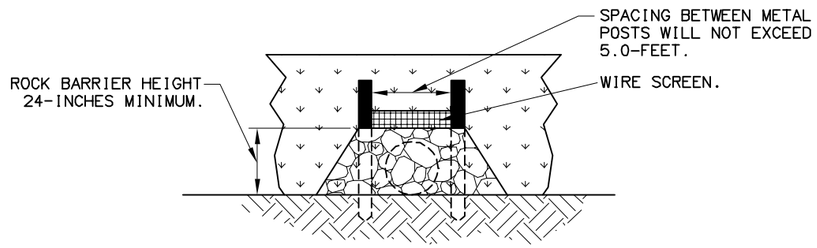
PARKS HIGHWAY M.P. 83-90
WEIGHT RESTRICTION ELIMINATION PROJECT

EROSION & SEDIMENT CONTROL
SILT FENCE DETAIL

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	K3	K10



TYPICAL SEDIMENT TRAP PLAN VIEW



TYPICAL SEDIMENT TRAP FRONT VIEW

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITY

PARKS HIGHWAY M.P. 83-90
WEIGHT RESTRICTION ELIMINATION PROJECT

EROSION & SEDIMENT CONTROL
SEDIMENT TRAP DETAIL

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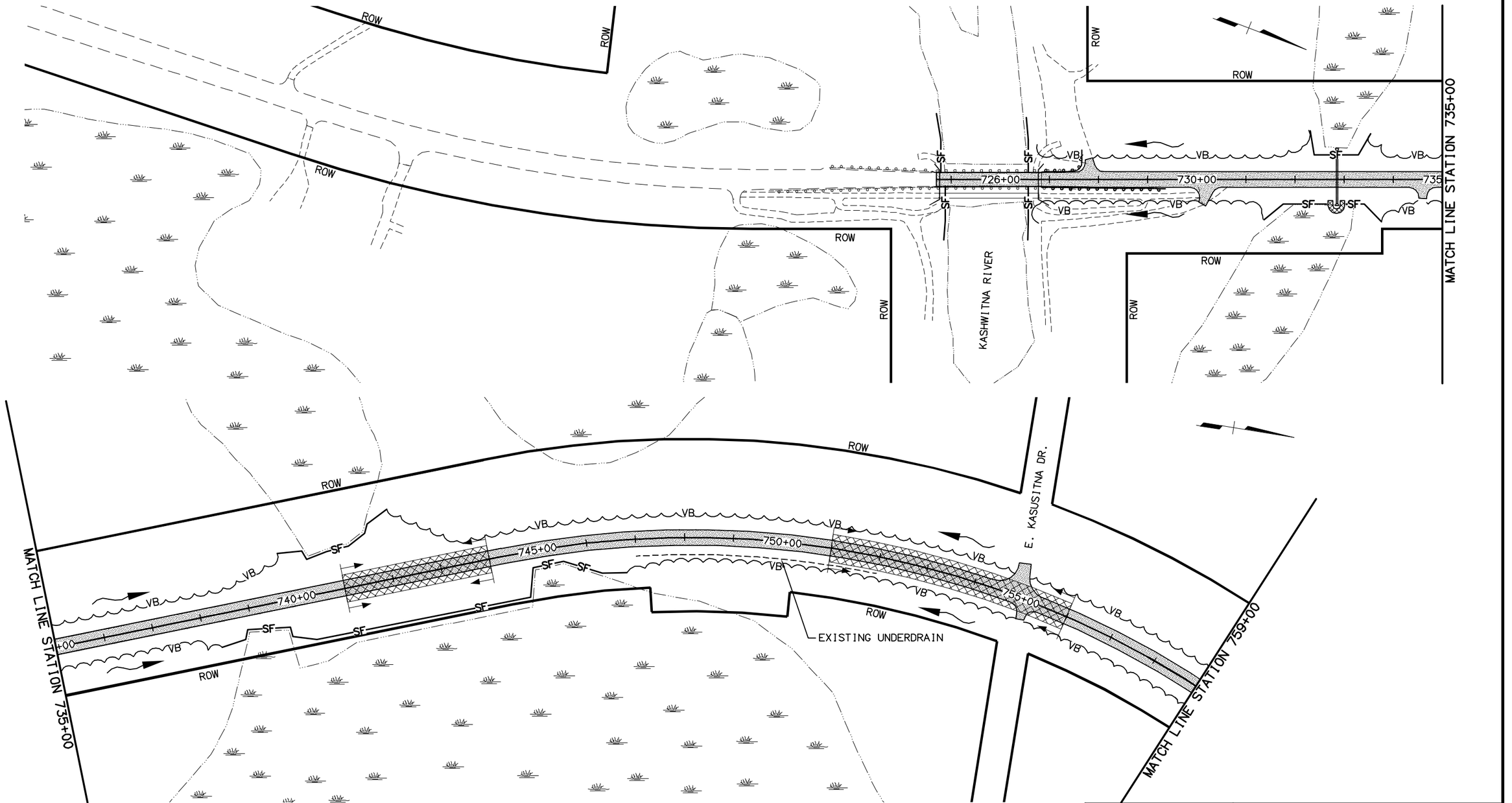
No.	DATE	DESCRIPTION	ALASKA	51850	2010	K4	K10



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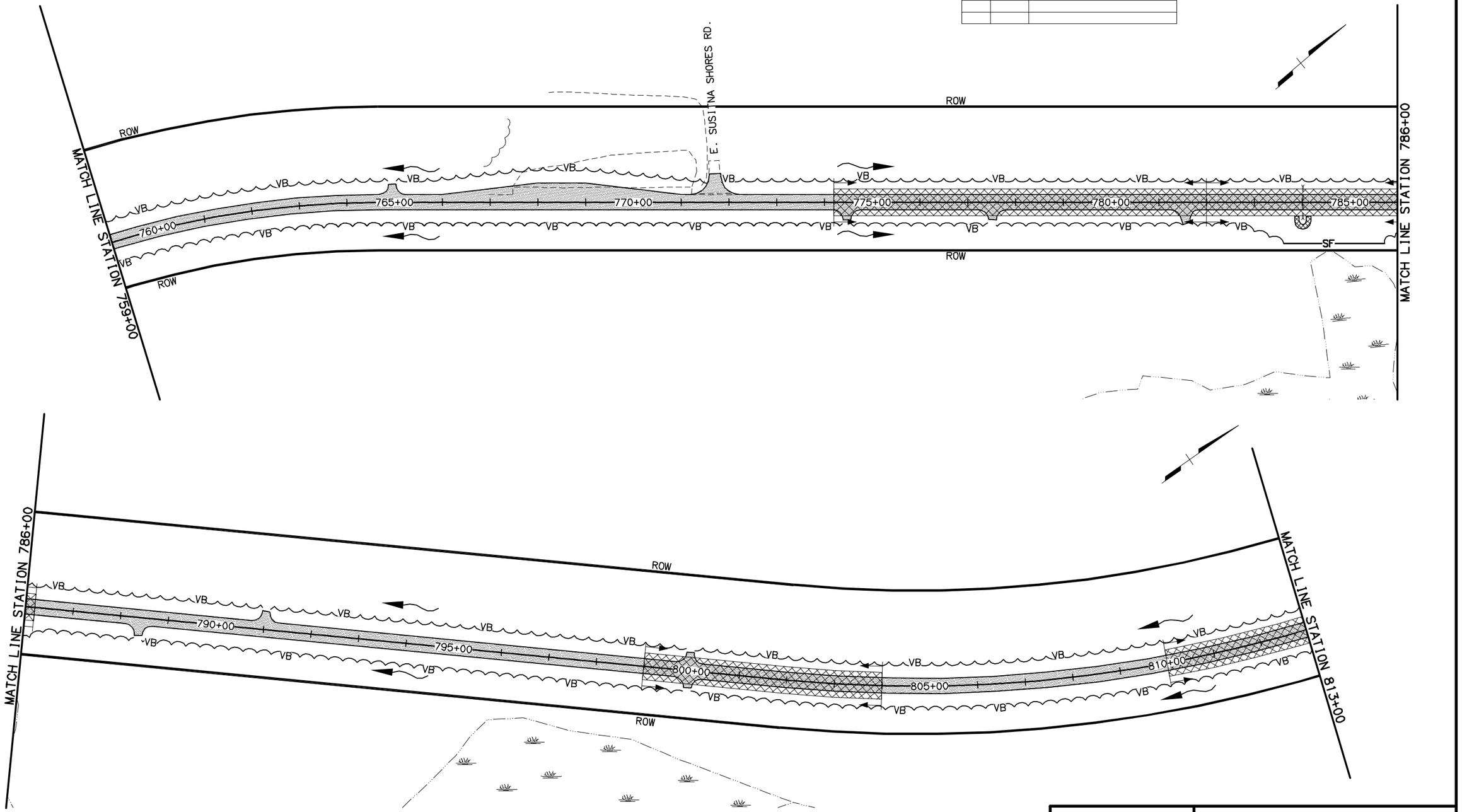
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITY

PARKS HIGHWAY M.P. 83-90
WEIGHT RESTRICTION ELIMINATION PROJECT

EROSION & SEDIMENT CONTROL

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	K5	K10



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DRAWN BY	MF
CHECKED BY	MW
QUALITY CHECK BY	MW
PROJECT MANAGER	
PROJECT ENGINEER	

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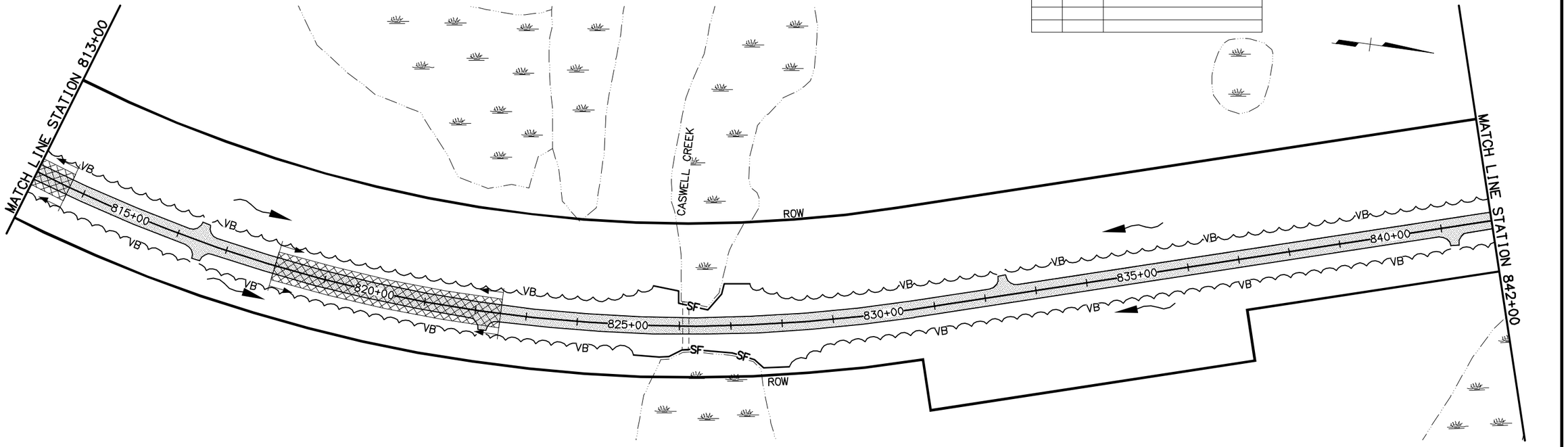
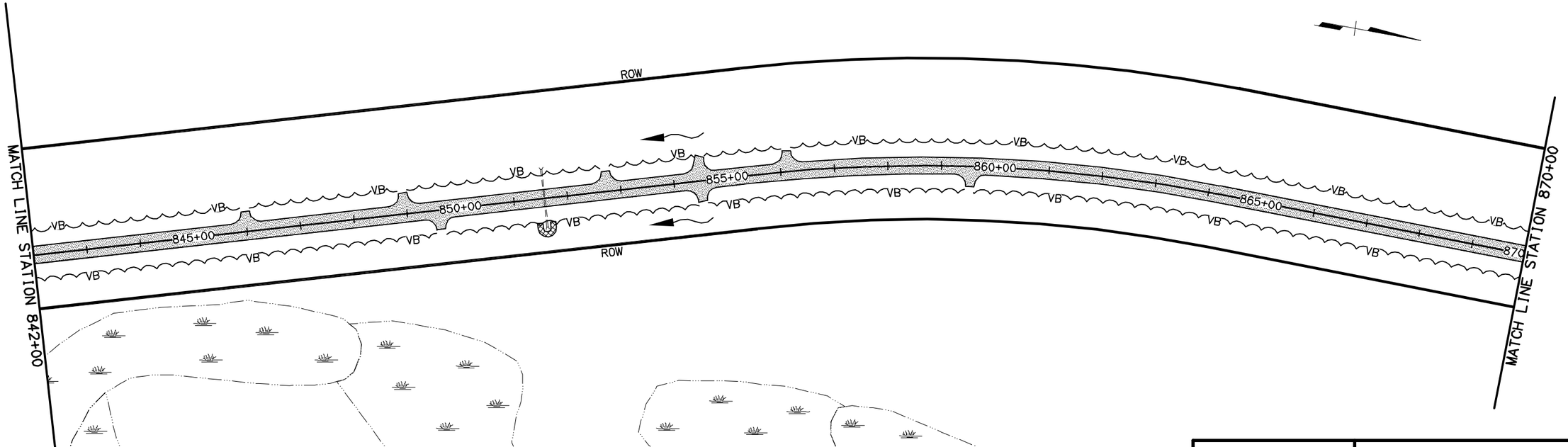
PARKS HIGHWAY M.P. 83-90
WEIGHT RESTRICTION ELIMINATION PROJECT

EROSION & SEDIMENT CONTROL

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	K6	K10





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HATTENBURG DILLEY & LINNELL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITY

PARKS HIGHWAY M.P. 83-90
WEIGHT RESTRICTION ELIMINATION PROJECT

EROSION & SEDIMENT CONTROL

H:\Jobs\02-046 Parks Highway MP 72-83 Rehab\06-Plans and Specs\cad 83-90\drawings\02046_01_K04-K10, 1=100, 08/26/10 at 16:00 by CBB

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XREFS:	DRAFTED BY:	MRV
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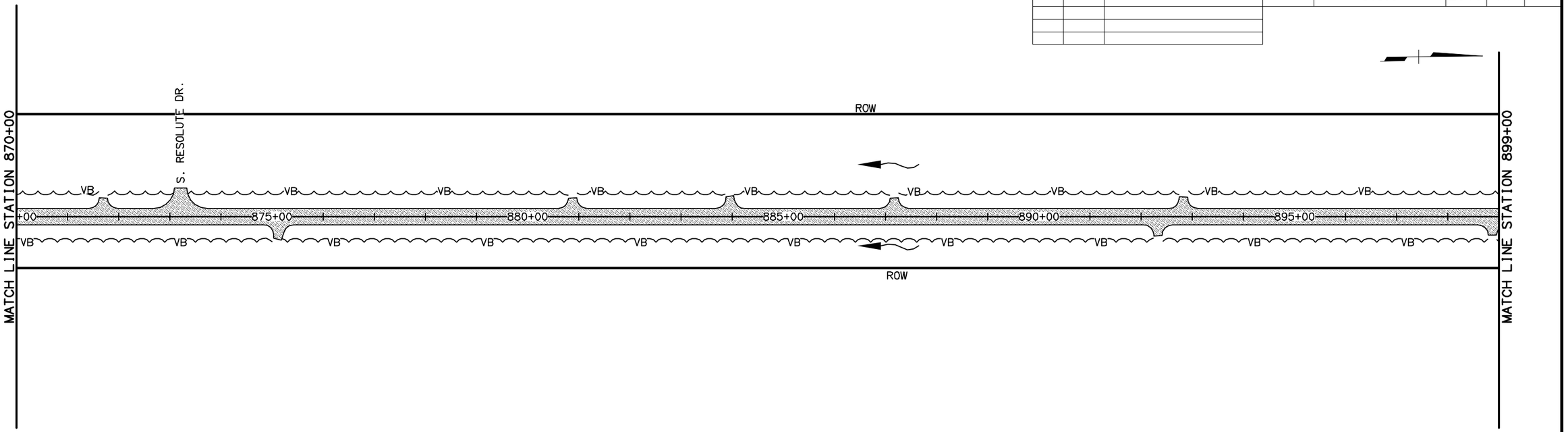

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XREFS:		
49MILE MP7200	DESIGNED BY	DTF
COMPUTER DESIGNATION	CHECKED BY	MJF
	DRAFTED BY	MRY

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EROSION & SEDIMENT CONTROL

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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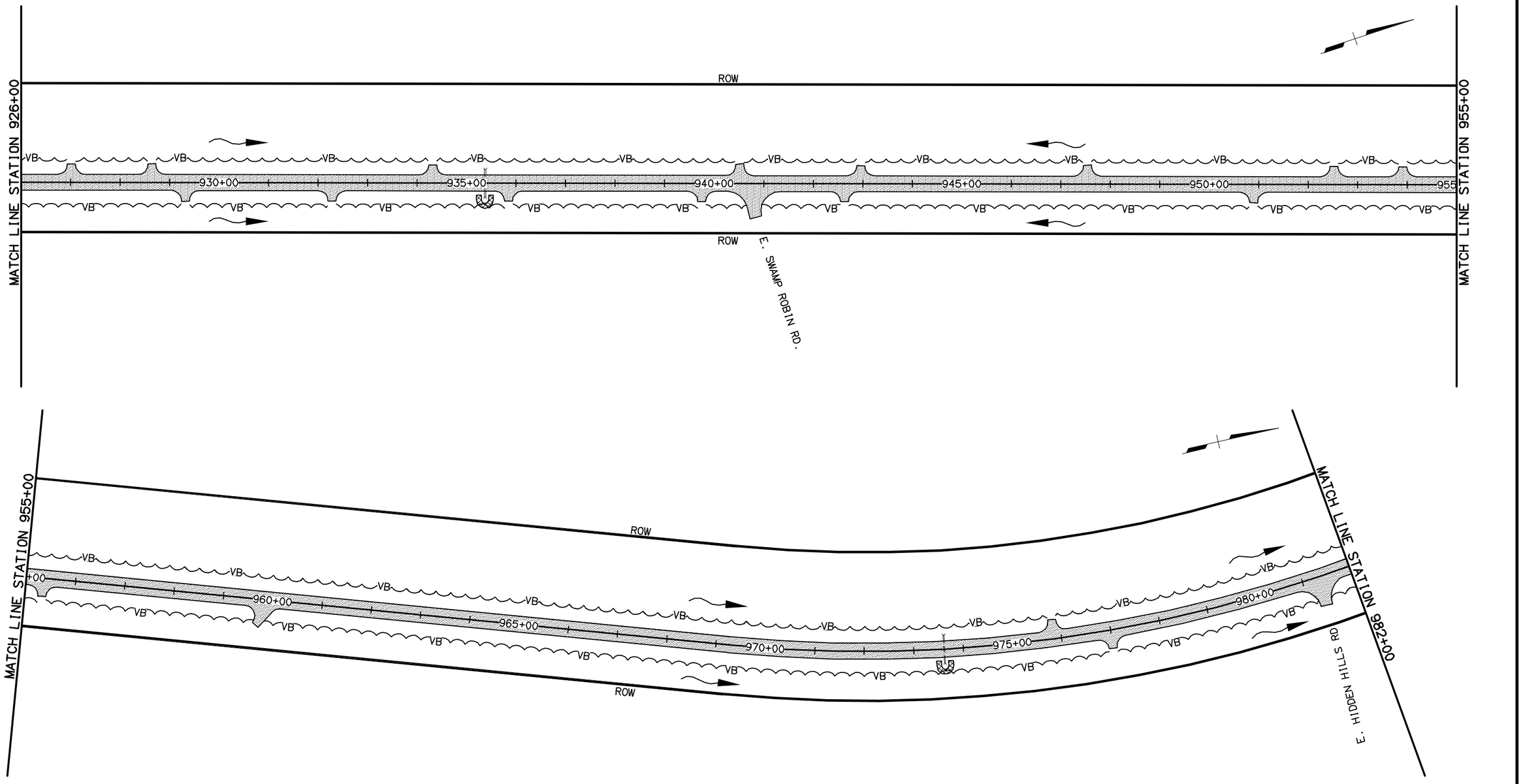

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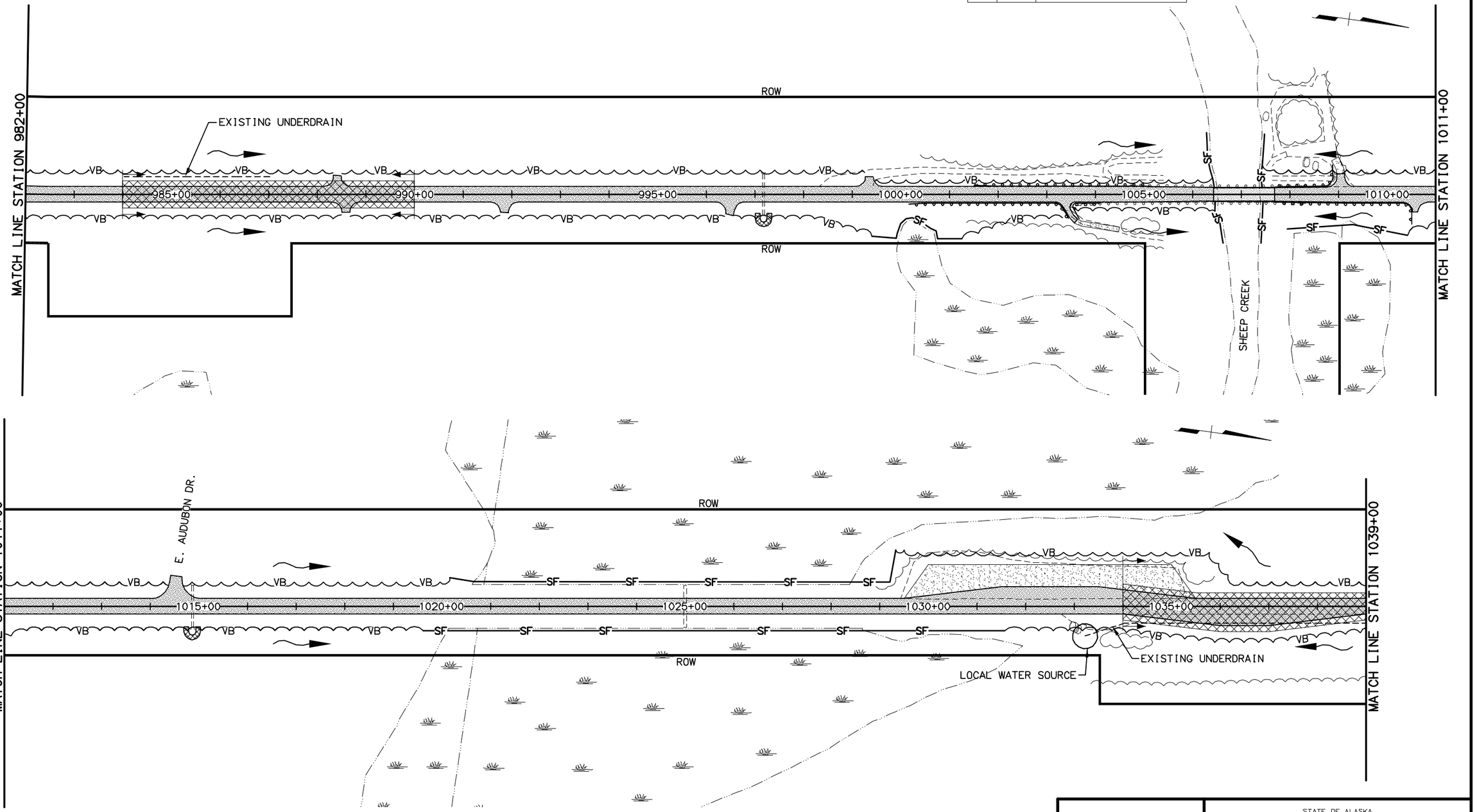

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PLOT VIEW:	DRAFTED BY	MRV
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COMPUTER DESIGNATION		

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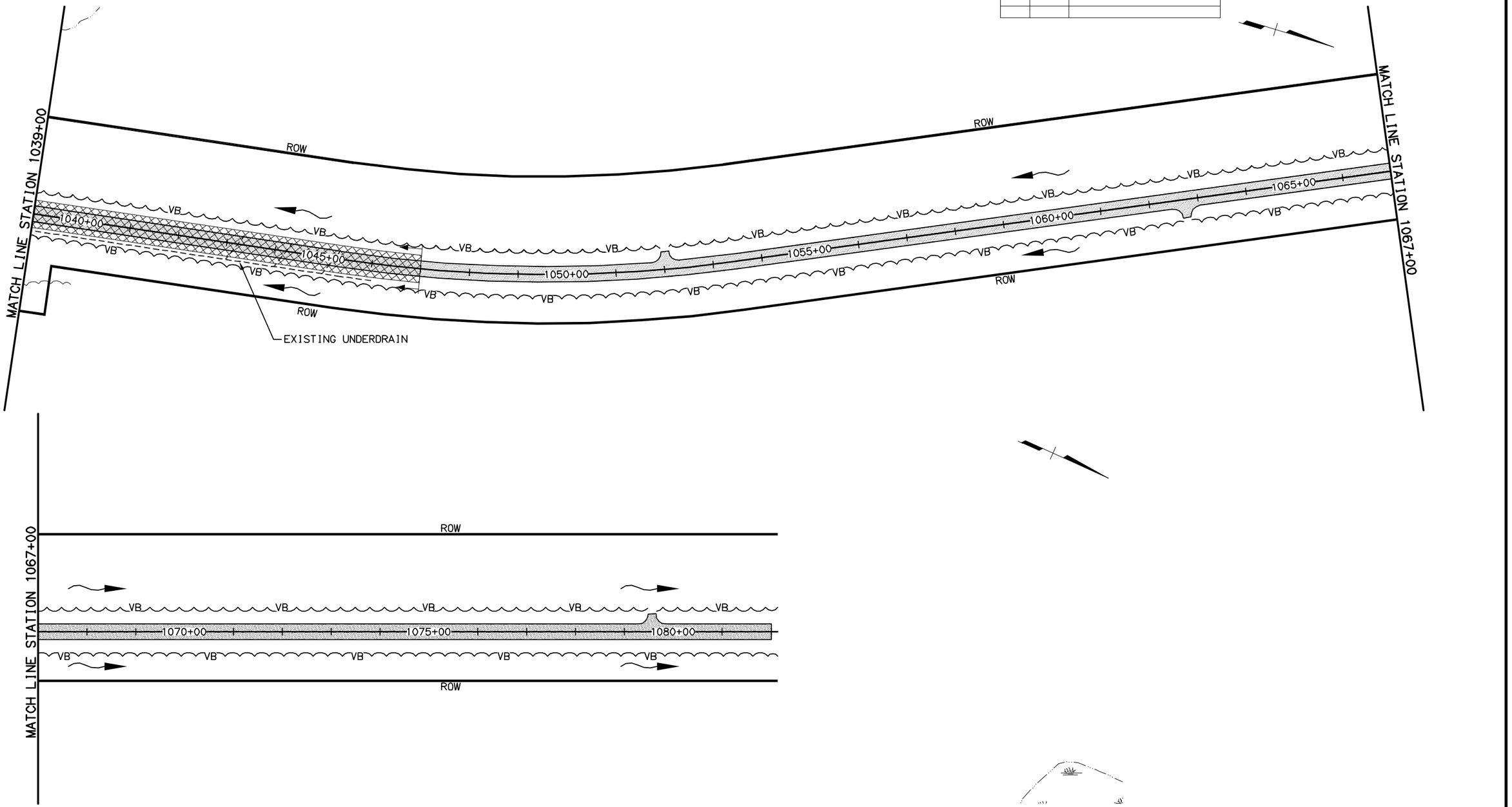
REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	51850	2010	K10	K10



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