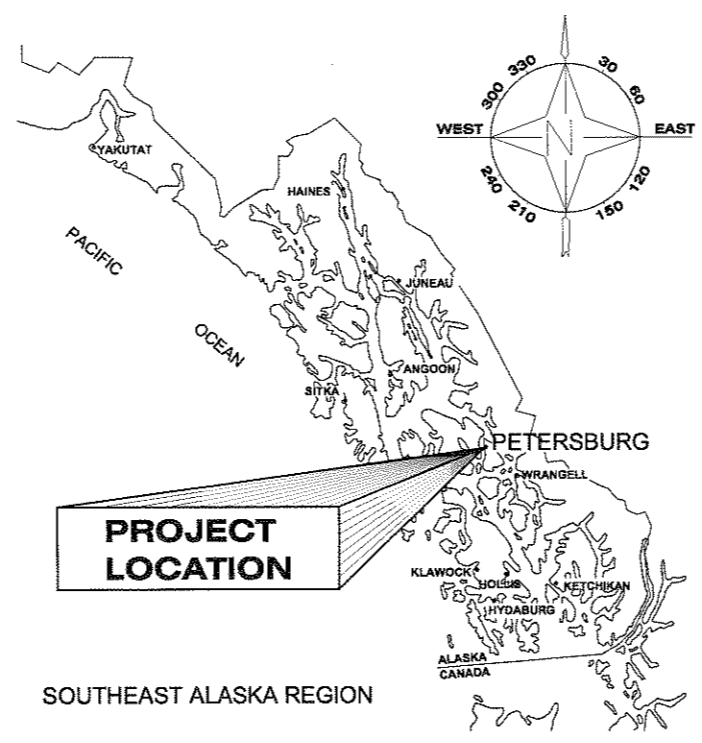


VICINITY MAP



LOCATION MAP

LEGEND		
EXISTING	NEW	
		RUNWAY/TAXIWAY CENTERLINE
		EDGE OF PAVEMENT
		EDGE OF GRAVEL
		HAUL ROUTE
		CONTOUR
		STREAM EDGE
		TOP OF BANK
		DITCH BOTTOM
		CUT SLOPE LIMITS
		FILL SLOPE LIMITS
		UNDERGROUND ELECTRIC LINE
		SECURITY FENCE
		TOP OF MINERAL SOIL
		OBJECT FREE AREA
		PROPERTY LINE
		CULVERT
		NEW CULVERT NUMBER (SEE SUMMARY ON SHEET D1)
		UTILITY POLE
		LUMINAIRE
		STRUCTURE
		DRAINAGE STRUCTURE
		RUNWAY/TAXIWAY EDGE LIGHTING
		TELEPHONE BOX
		TELEPHONE MANHOLE
		ELECTRICAL VAULT
		ELECTRICAL MANHOLE
		TEST HOLE LOCATION
		TEST PIT LOCATION
		NGS MONUMENT
		GPS_CHK
		2" ALCAP W/REBAR
		CENTERLINE CASE MONUMENT
		PRIMARY MONUMENT
		P.K. NAIL
		WETLANDS

ABBREVIATIONS

AC	ASPHALT CONCRETE	N.T.S.	NOT TO SCALE
AP	AIRPORT IMPROVEMENT PROGRAM	OFA	OBJECT FREE AREA
APPROX.	APPROXIMATE	OFZ	OBSTACLE FREE ZONE
ARFF	AIRPORT RESCUE AND FIRE FIGHTING	PAPI	PRECISION APPROACH PATH INDICATOR
BMP	BEST MANAGEMENT PRACTICES	PC	POINT OF CURVATURE
C	CENTERLINE	PT	POINT OF TANGENCY
CAP	CORRUGATED ALLUMINUM PIPE	R	RADIUS
CF	CUBIC FOOT	RSA	RUNWAY SAFETY AREA
CFR	CODE OF FEDERAL REGULATIONS	PVI	POINT OF VERTICAL CURVE
CFS	CUBIC FEET PER SECOND	PVMT.	RIGHT
CMP	CORRUGATED METAL PIPE	RW	RUNWAY
CPEP	CORRUGATED POLYETHYLENE PIPE	RSA	RUNWAY SAFETY AREA
C.F.	CONTINGENT SUM	SIDA	SECURITY IDENTIFICATION DISPLAY AREA
CY	CUBIC YARD	STA.	STATION
DIA.	DIAMETER	SWPPP	STORM WATER POLLUTION PREVENTION PLANS
E	EASTING	TSA	TAXIWAY SAFETY AREA
ELEV.	ELEVATION	TYP	TYPICAL
ESCP	EROSION AND SEDIMENT CONTROL PLAN	TW	TAXIWAY
FAA	FEDERAL AVIATION ADMINISTRATION	U.S.	UNITED STATES
FT	FEET		
LB	POUND		
LT	LEFT		
LVC	LENGTH OF VERTICAL CURVE		
MAX.	MAXIMUM		
MIN.	MINIMUM		
N	NORTHING		
N/A	NOT APPLICABLE		

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:
 D-01.02 D-04.21 E-09.00 E-13.00

Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
 PE KRN Date 1/15/2010

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

**PETERSBURG AIRPORT
 RUNWAY SAFETY AREA IMPROVEMENTS
 (PHASE II)**

KEY MAP, LEGEND & ABBREVIATIONS

PREPARED BY: USKH INC.
 CHECKED BY: EJC



DESIGNED BY: RPK
 DRAWN BY: KEB

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

**PETERSBURG AIRPORT
 RUNWAY SAFETY AREA IMPROVEMENTS
 (PHASE II)**

KEY MAP, LEGEND & ABBREVIATIONS

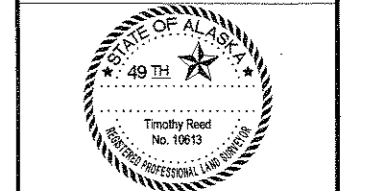
PROJECT DESIGNATIONS
**ALASKA - DOT & PF
 68329
 FEDERAL - FAA
 AIP NO. 3-02-0219-1209**

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
A2	27

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

PETERSBURG AIRPORT
 RUNWAY SAFETY AREA IMPROVEMENTS
 (PHASE II)
 SURVEY CONTROL PLAN

PREPARED BY: USKH INC.
 CHECKED BY: R. MURPHY



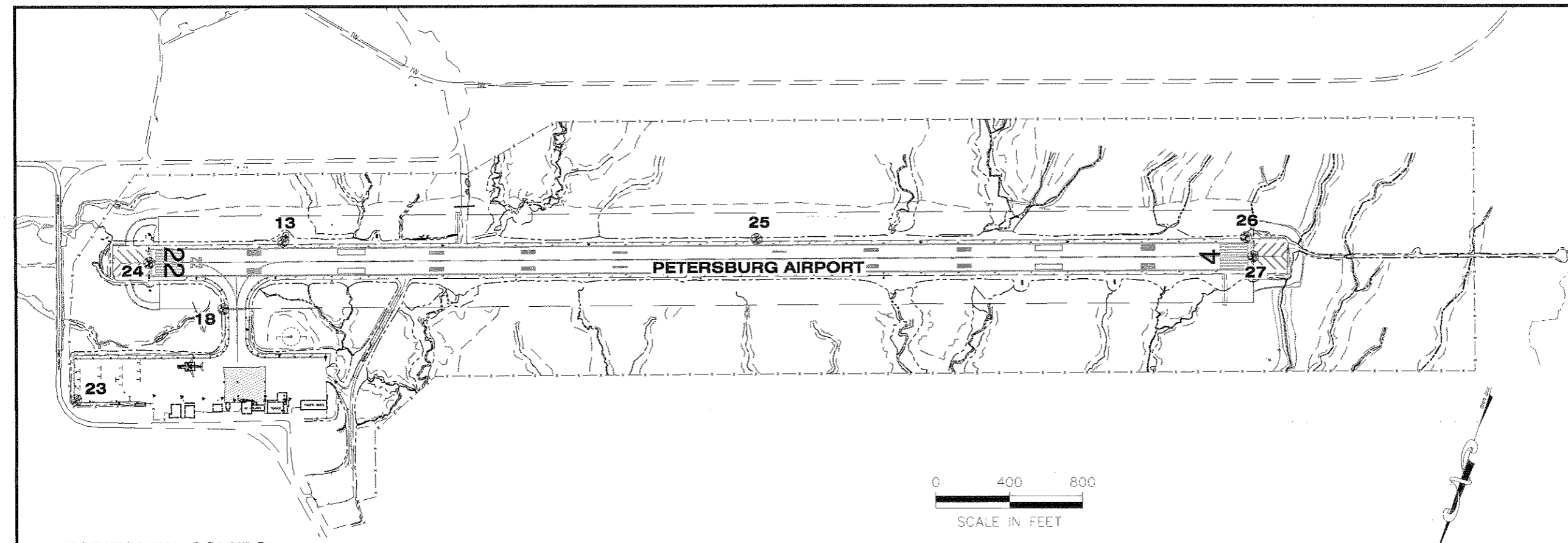
DESIGNED BY: T. REED
 DRAWN BY: T.R./R.S.

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
**PETERSBURG
 AIRPORT
 RUNWAY SAFETY
 AREA IMPROVEMENTS
 (PHASE II)**

SURVEY CONTROL PLAN

PROJECT DESIGNATIONS
**ALASKA - DOT & PF
 68329
 FEDERAL - FAA
 AIP NO. 3-02-0219-1209**

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
A3	27



HORIZONTAL CONTROL

Horizontal Control for this project is based on the DOT/PF 2001 PSG Grid

The DOT/PF Petersburg Grid-2001 System is a local ground coordinate system based at NGS Primary Airport Control Station PSG-D. It relates to AKSPC zone 1 NAD83 through the following parameters:
 Zone = NAD83 AKSPC ZONE 1
 Grid Scale = 0.999905
 Convergence = +0°36'11"
 Translation about NGS point PSG-D as follows:
 AKSPC Northing = 1815770.3578 FT US
 AKSPC Easting = 2832689.3475 FT US
 Local Northing = 300000.0000 FT US
 Local Easting = 200000.0000 FT US

Basis of Coordinates for this project established with SKI PRO static GPS processing and Starnet least squares adjustment.

Project Specific Basis of Horizontal Control

- PSG-D : POINT 13.**
 Punch in Stainless Rod inside PVC near North VASI light at East end runway.
 PSG-Grid N 300000.0000 FT US, E 200000.0000 FT US
 AKSPC N 1815770.3581 FT US, E 2832689.3483 FT US
- PSG-A : POINT 18.**
 3" brass cap set in NE corner of runway sign 22-4.
 PSG-Grid N 300454.1485 FT US, E 200197.6323 FT US
 AKSPC N 1816226.5179 FT US, E 2832882.1705 FT US

VERTICAL CONTROL

The Vertical Datum for PSG Grid-2001 is MLLW (9451439) PSG Wrangell Narrows tidal datum based on third order levels and supplemented with GEOID '99 Modeled Heights. The basis of vertical control is NOAA BM1439A having a published elevation of 25.82' above MLLW on the 1960-1978 tidal epoch. Static GPS sessions and geoid '99 were used to transfer elevation to NGS PACS PSG-D in July 2001.

The Project Specific Basis of Vertical Control is PSG-D having an accepted elevation of 103.23 feet above MLLW.

Vertical Control Note: Generally airport work is conducted on a mean sea level (MSL) datum for FAA compliance. This project was based on other projects in the area and it was decided to stick with our MLLW datum. To compute MSL elevations for this project, simply subtract 8.30 feet.

EXISTING CONTROL MONUMENTS										
POINT	LOCAL NORTH	LOCAL EAST	ORTHO ELEV (MLLW)	RUNWAY STATION	OFFSET	DESC	LAT	LO	AKSPC NORTH	AKSPC EAST
							*LAT/LON values are DMS packed format			
13	300000.0000	200000.0000	103.23	11+32.69	109.34 LT	GPS_NGS_SS-ROD_PSG-D	56.48122962	-132.56039512	1815770.3578	2832689.3475
18	300454.1485	200197.6323	106.04	7+96.37	254.25 RT	GPS_NGS_BC3.5"/CONC_PSG-A	56.48167710	-132.56004000	1816226.5179	2832882.1705
23	301179.9801	200794.1956	102.39	N/A	N/A	GPS_PK/WASH_SET	56.48239219	-132.55496818	1816958.5187	2833471.0054
24	300345.4613	200657.5531	107.96	3+98.00	0.00 LT	GPS_NGS_BC2.5"/WELL_PSG-B	56.48156991	-132.55521395	1816122.6873	2833343.1661
25	299151.7729	197567.7722	107.19	37+08.58	108.22 LT	GPS_NGS_BC3.5"/ROCK_PSG-E	56.48039399	-132.56476364	1814896.6612	2830266.4123
26	298279.3708	195060.3236	112.32	63+63.46	105.11 LT	GPS_NGS_SS-ROD_PSG-F	56.47553410	-132.57326670	1813998.0017	2827768.5221
27	298366.0786	194989.8037	114.74	64+01.43	0.00 LT	GPS_NGS_BC2.5"/WELL_PSG-C	56.47561953	-132.57339336	1814083.9564	2827697.1096

Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
 PE KRN Date 11/15/2010

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

**PETERSBURG AIRPORT
 RUNWAY SAFETY AREA IMPROVEMENTS
 (PHASE II)**
GENERAL LAYOUT PLAN

PREPARED BY: USKH INC.
 CHECKED BY: E.J.G.



DESIGNED BY: RPK
 DRAWN BY: KEB

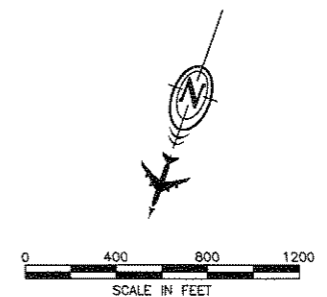
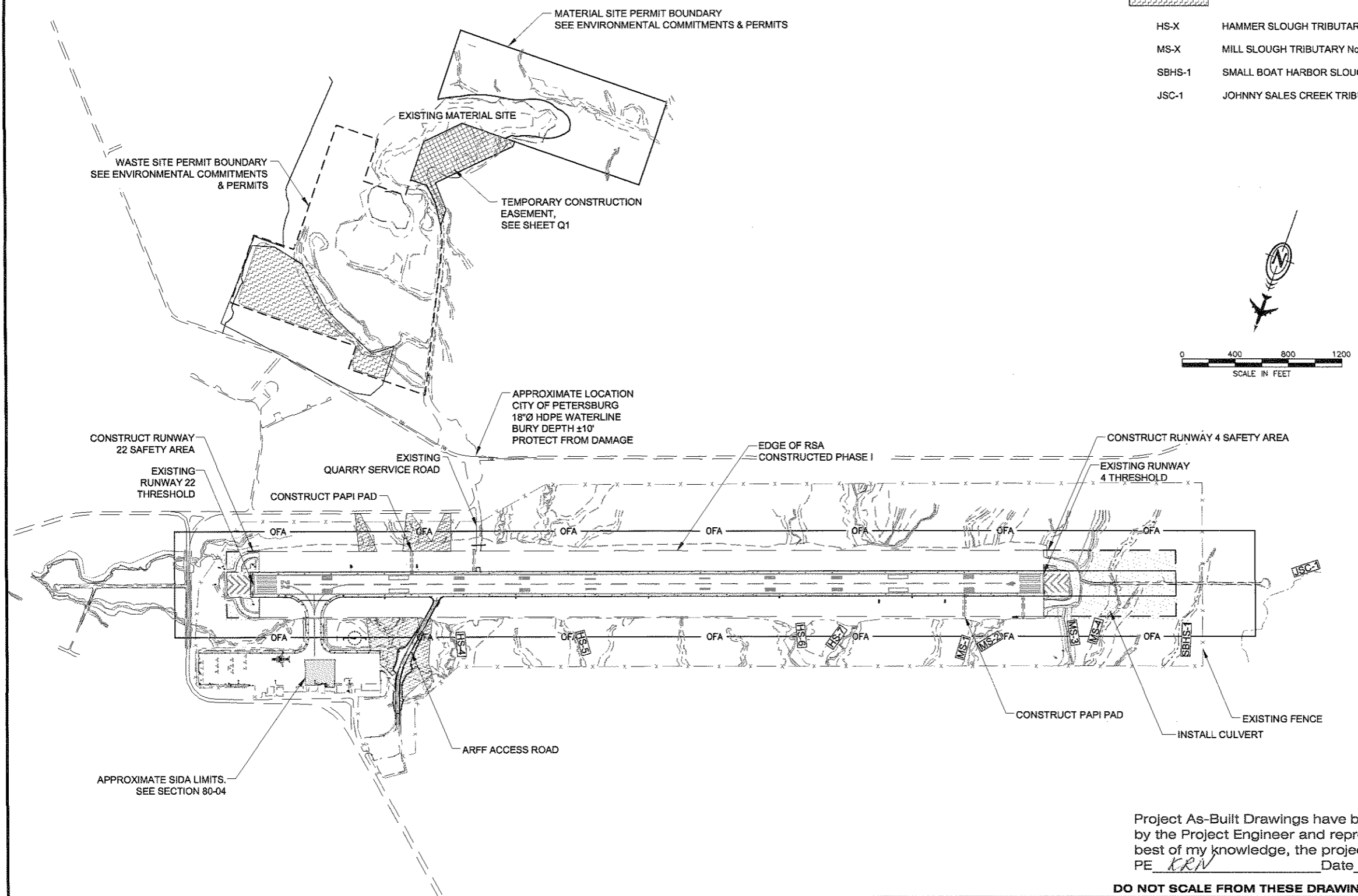
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
**PETERSBURG
 AIRPORT
 RUNWAY SAFETY
 AREA IMPROVEMENTS
 (PHASE II)**

**GENERAL
 LAYOUT PLAN**
 PROJECT DESIGNATIONS
 ALASKA - DOT & PF
 68329
 FEDERAL - FAA
 AIP NO. 3-02-0219-1209

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
A4	27

LEGEND:

- WIDEN AND EXTEND RSA
- TEMPORARY CONSTRUCTION EASEMENT
- PERMITTED WASTE AREAS
- HS-X HAMMER SLOUGH TRIBUTARY No. X
- MS-X MILL SLOUGH TRIBUTARY No. X
- SBHS-1 SMALL BOAT HARBOR SLOUGH TRIBUTARY No. 1
- JSC-1 JOHNNY SALES CREEK TRIBUTARY No. 1



Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
 PE KRN Date 1/15/2010

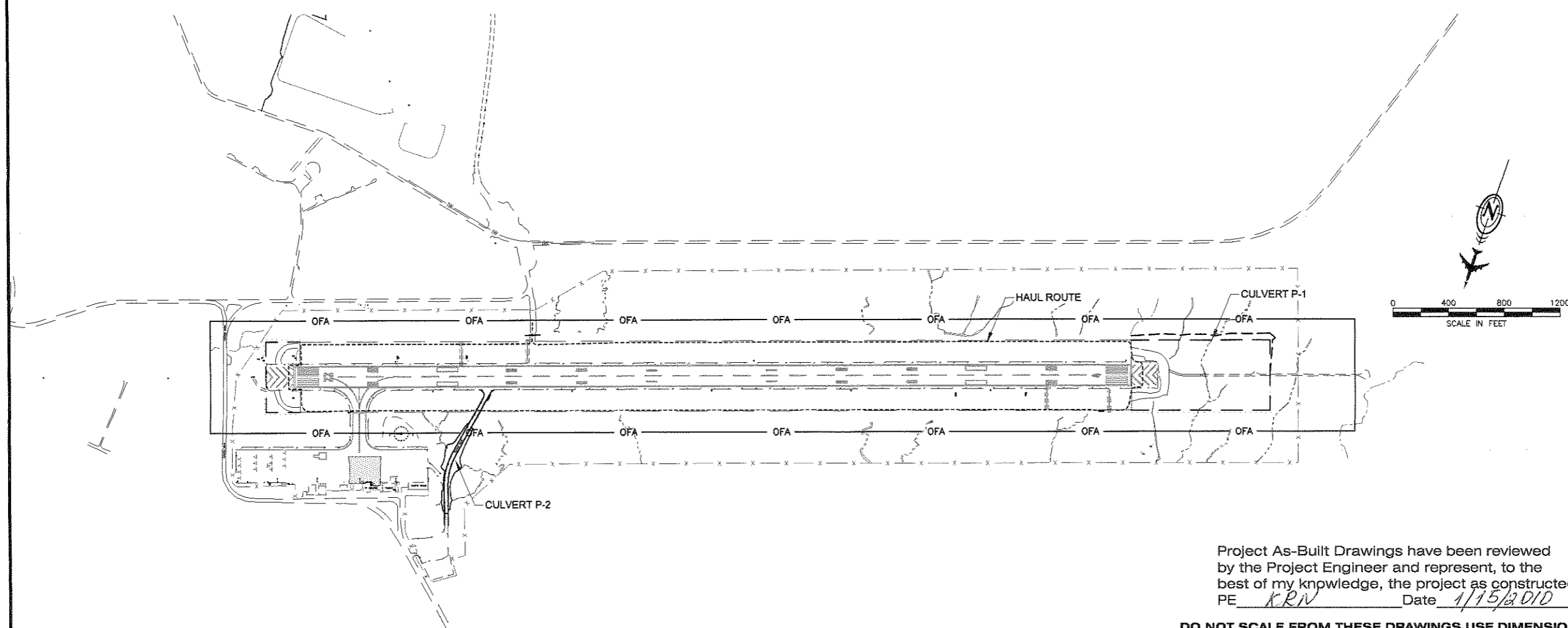
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

SEQUENCING NOTES:

1. THIS DRAWING SHOWS A SUGGESTED CONSTRUCTION SEQUENCE FOR WORK UNDER THIS CONTRACT. THE SAFETY PLANS AND SPECIFICATIONS PROVIDE ADDITIONAL GUIDANCE ON OPERATIONAL LIMITATIONS. STAGE CONSTRUCTION TO COMPLY WITH ALL CONDITIONS OF THE SAFETY PLAN, SUBSECTION 80-04 LIMITATION OF OPERATIONS, AND PROJECT PERMIT STIPULATIONS. THIS PROJECT WILL BE CONSTRUCTED IN A SINGLE STAGE.
2. USE THIS DRAWING, OR ALTERNATE SEQUENCING APPROVED BY THE ENGINEER, AS A BASIS FOR PREPARING STORM WATER POLLUTION PREVENTION PLAN (SWPPP) MEASURES. SUBMIT ALTERNATE SEQUENCING PLANS FOR APPROVAL FIVE DAYS BEFORE SWPPP SUBMITTAL. PROVIDE SWPPP UPDATES AS WORK PROGRESSES.
3. DEVELOP A CONSTRUCTION SCHEDULE. PROVIDE SUFFICIENT DETAIL TO ADDRESS REQUIRED SUBMITTALS, REVIEW PERIODS, PROCUREMENT OF MATERIALS, CONSTRUCTION WORK, AND COORDINATION REQUIREMENTS ASSOCIATED WITH ITEMS OF WORK.
4. THE GENERAL SCOPE OF WORK IS DESCRIBED BELOW. COMPLETE WORK IN THE SEQUENCE SHOWN. DEVIATIONS FROM THE SEQUENCE SHOWN REQUIRE APPROVAL BY THE ENGINEER.
 - A. CONSTRUCT / INSTALL EROSION SEDIMENT CONTROL MEASURES AT THE QUARRY. PREPARE QUARRY FOR PRODUCTION.
 - B. CONSTRUCT / INSTALL EROSION SEDIMENT CONTROL MEASURES AS SHOWN ON THE APPROVED SWPPP AT THE WASTE AREAS AND ALONG THE RUNWAY AS WORK PROCEEDS, AND AS WARRANTED.
 - C. EXCAVATE DIVERSION DITCHES FOR EXISTING STREAMS TO DIRECT WATER AWAY FROM CULVERT P-1, AND RUNWAY DIGOUT AREA 64+00 TO 70+00. ESTABLISH DEWATERING MEASURES AS APPROVED.
 - D. INSTALL CULVERT P-1, CONSTRUCT RUNWAY DRAINAGE DITCH, AND OTHER DRAINAGE FEATURES.
 - E. CONSTRUCT THE RUNWAY AND RSA EMBANKMENT FULL WIDTH BETWEEN STATIONS 2+00 TO 4+50, AND BETWEEN STATIONS 64+00 TO 74+00.
 - F. CONSTRUCT TEMPORARY RUNWAY BLAST PAD, FULL WIDTH FROM STATION 68+00 TO 70+00.
 - G. STABILIZE QUARRY AND WASTE SITES AS SOON AS PRACTICAL AS WORK PROGRESSES AND AT THE COMPLETION OF EARTHWORK ACTIVITIES.

SAFETY PLAN NOTES:

1. SUBMIT A SAFETY PLAN TO THE ENGINEER FOR REVIEW. DO NOT BEGIN CONSTRUCTION ACTIVITIES UNTIL THE ENGINEER APPROVES YOUR SAFETY PLAN IN WRITING. INCLUDE CONSTRUCTION SEQUENCING USING STEEL PLATES ADEQUATE FOR AIRCRAFT LOADS OF 200,000 LBS. IN THE SAFETY PLAN. IF YOUR PLAN DIFFERS FROM WHAT IS SHOWN IN THE DRAWINGS, OR IF YOU MAKE SUBSEQUENT CHANGES, SUBMIT A CORRESPONDING REVISION TO THE ENGINEER FOR REVIEW AND APPROVAL.
2. KEEP PERSONNEL AND EQUIPMENT A MINIMUM OF 200 FT BEYOND RUNWAY CENTERLINE AND MINIMUM OF 200 FT BEYOND RUNWAY THRESHOLDS DURING OPERATIONS OF AIRCRAFT CLASSIFIED AS DESIGN GROUP II (49-FT WING SPAN) OR LARGER. THE TIME RESTRICTIONS FOR AN AIRCRAFT OPERATION INCLUDE 15 MINUTES BEFORE ARRIVAL AND 15 MINUTES AFTER DEPARTURE IN ADDITION TO TIME ON RUNWAY AND TAXIWAY SURFACES.
3. PERFORM WORK OUTSIDE 200 FT OF RUNWAY CENTERLINE AND BEYOND 200 FT OF RUNWAY THRESHOLDS AT ANY TIME DURING THE CONTRACT, SUBJECT TO APPROVED SAFETY PLAN CONDITIONS, LIMITATIONS DESCRIBED IN SECTION 80 OF THE GENERAL CONTRACT PROVISIONS, AND PERMIT STIPULATIONS.
4. THE RSA IS NOT TO BE USED FOR THE STAGING OF CONTRACTORS OPERATIONS. DO NOT STORE MATERIALS OR PARK EQUIPMENT OVERNIGHT WITHIN 250 FT OF RUNWAY CENTERLINE. USE THOSE AREAS SHOWN ON SHEET A 4 FOR STAGING TO STORE MATERIALS OR PARK EQUIPMENT. EQUIPMENT MAY BE PARKED IN ACTIVE WORK AREAS IF NOT IN CONFLICT WITH OTHER LIMITATIONS AND AS APPROVED BY THE ENGINEER. ENSURE ADEQUATE DISTANCE FOR JET BLAST PROTECTION.
5. MARK OPEN TRENCHES WITH RED OR ORANGE FLAGS AS APPROVED BY THE ENGINEER. LIGHT WITH RED LIGHTS DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS. OPEN TRENCHES OR EXCAVATIONS ARE NOT PERMITTED WITHIN 200 FT OF THE RUNWAY CENTERLINE AND 200 FT OF THE RUNWAY THRESHOLDS WHILE THE RUNWAY IS OPEN. IF THE RUNWAY MUST BE OPENED BEFORE EXCAVATIONS ARE BACKFILLED, COVER THE EXCAVATIONS APPROPRIATELY. COVERINGS FOR OPEN TRENCHES OR EXCAVATIONS MUST BE OF SUFFICIENT STRENGTH TO SUPPORT THE WEIGHT OF THE HEAVIEST AIRCRAFT OPERATING ON THE RUNWAY.



Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
 PE KRN Date 1/15/2010

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: H:\Documents\As-Built\PSG RSA Ph1\DWG\88201_LA
 Wed, 13/Jan/10 04:40PM krnovikova
 TAB: A05

ADDENDUM NUMBER
 ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

**PETERSBURG AIRPORT
 RUNWAY SAFETY AREA IMPROVEMENTS
 (PHASE II)**

**CONSTRUCTION SEQUENCING
 & SAFETY PLAN**

PREPARED BY: USKH INC.
 CHECKED BY: EJK

DESIGNED BY: RPK
 DRAWN BY: KEB

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

**PETERSBURG
 AIRPORT
 RUNWAY SAFETY
 AREA IMPROVEMENTS
 (PHASE II)
 CONSTRUCTION
 SEQUENCING
 &
 SAFETY PLAN**

PROJECT DESIGNATIONS
 ALASKA - DOT & PF
 68329
 FEDERAL - FAA
 AIP NO. 3-02-0219-1209

STATE	YEAR
ALASKA	2009

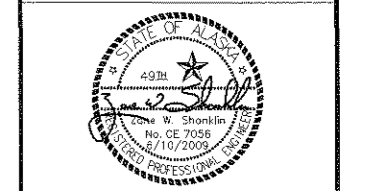
SHEET NUMBER	TOTAL SHEETS
A5	27

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

**PETERSBURG AIRPORT
RUNWAY SAFETY AREA IMPROVEMENTS
(PHASE II)**

TYPICAL SECTIONS

PREPARED BY: USKH INC.
CHECKED BY: EJC



DESIGNED BY: RPK
DRAWN BY: KEB

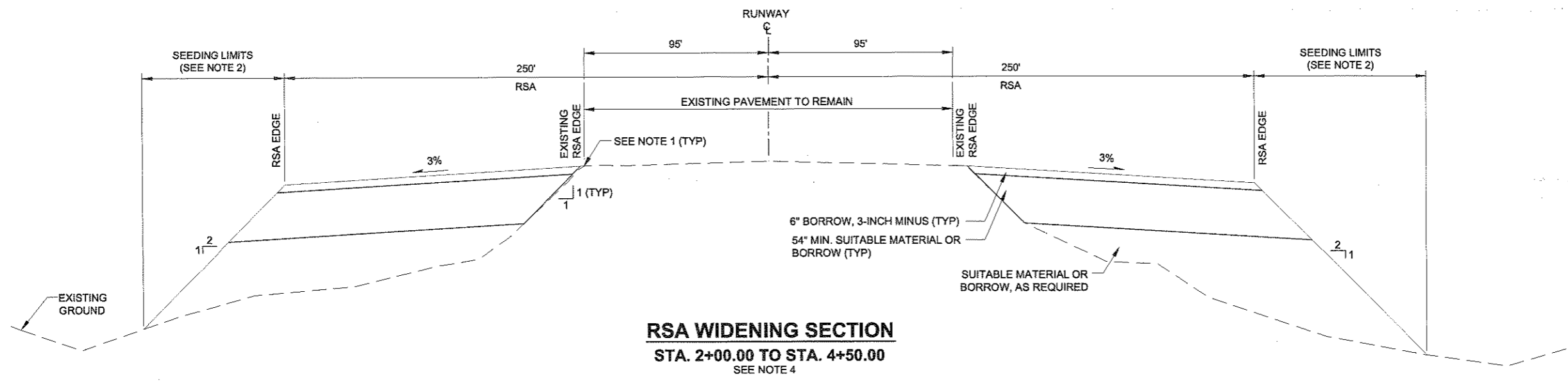
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

**PETERSBURG
AIRPORT
RUNWAY SAFETY
AREA IMPROVEMENTS
(PHASE II)**

TYPICAL SECTIONS

PROJECT DESIGNATIONS
**ALASKA - DOT & PF
68329
FEDERAL - FAA
AIP NO. 3-02-0219-1209**

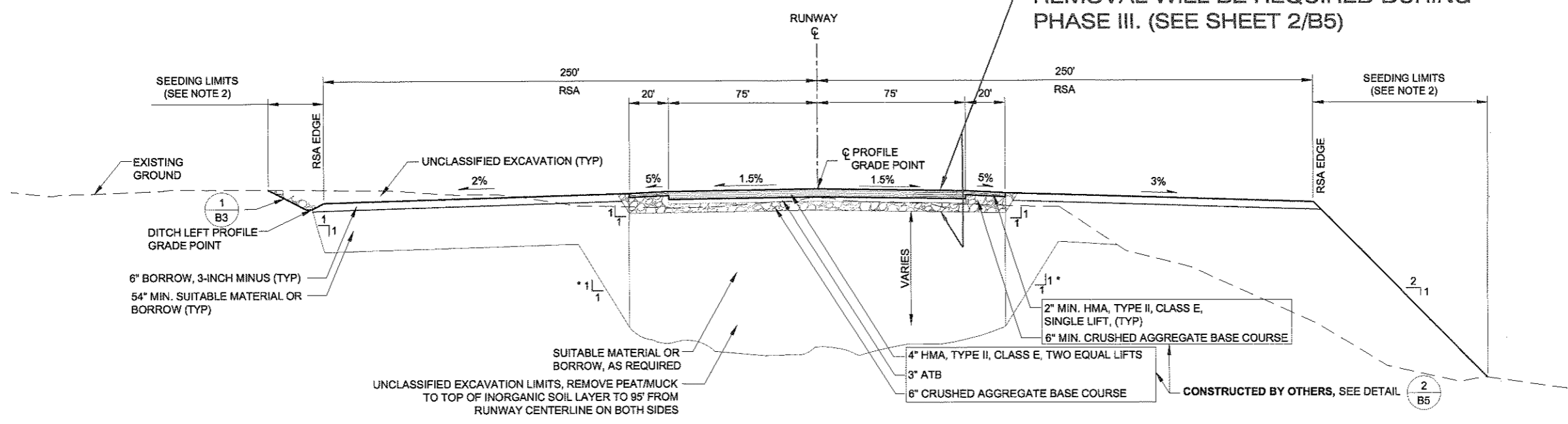
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
B1	27



NOTES:

- BETWEEN STATIONS 2+00 AND 4+50, USE EXISTING RSA EDGE AT 95 FOOT FROM RW CENTERLINE FOR GRADE CONTROL.
- USE TEMPORARY SEEDING AS STABILIZING MEASURE AS REQUIRED OR DIRECTED.
- DISPOSE OF WASTE PEAT/MUCK MATERIAL OBTAINED FROM EXCAVATIONS IN DESIGNATED WASTE AREAS.
- MATCH EXISTING RSA AT APPROXIMATELY STATION 4+50. SEE PLAN VIEW FOR AREAS TO BE FILLED ONLY AS DIRECTED.

THIS 1.1' DEPTH FILLED WITH APPROX. 3000 TONS OF BORROW, 3" MINUS. REMOVAL WILL BE REQUIRED DURING PHASE III. (SEE SHEET 2/B5)



Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
PE KRN Date 1/15/2010

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

**PETERSBURG AIRPORT
RUNWAY SAFETY AREA IMPROVEMENTS
(PHASE II)**

TYPICAL SECTIONS

PREPARED BY: USKH INC.

CHECKED BY: EJC



DESIGNED BY: RPK

DRAWN BY: KEB

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

**PETERSBURG
AIRPORT
RUNWAY SAFETY
AREA IMPROVEMENTS
(PHASE II)**

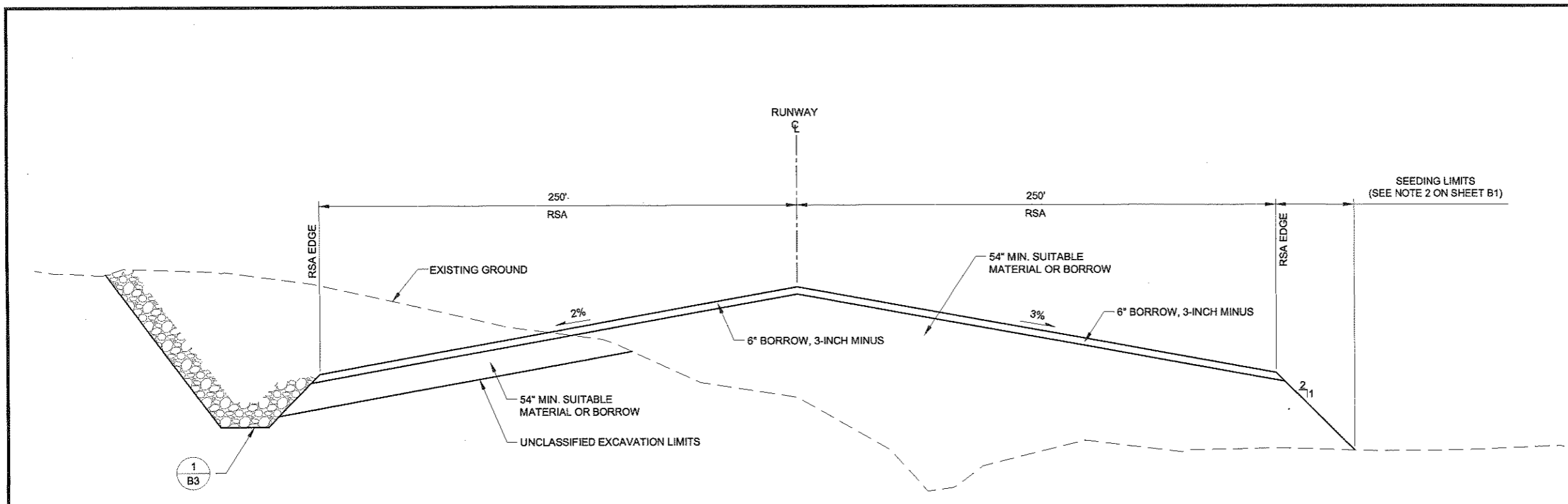
**TYPICAL
SECTIONS**

PROJECT DESIGNATIONS
**ALASKA - DOT & PF
68329
FEDERAL - FAA
AIP NO. 3-02-0219-1209**

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
B2	27

Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
PE KRW Date 1/15/2010

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



RUNWAY SAFETY AREA SECTION
STA. 70+00.00 TO STA. 74+00.00
68+00

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

PETERSBURG AIRPORT
 RUNWAY SAFETY AREA IMPROVEMENTS
 (PHASE II)

TYPICAL SECTIONS

PREPARED BY: USKH INC.

CHECKED BY: EJC



DESIGNED BY: RPK

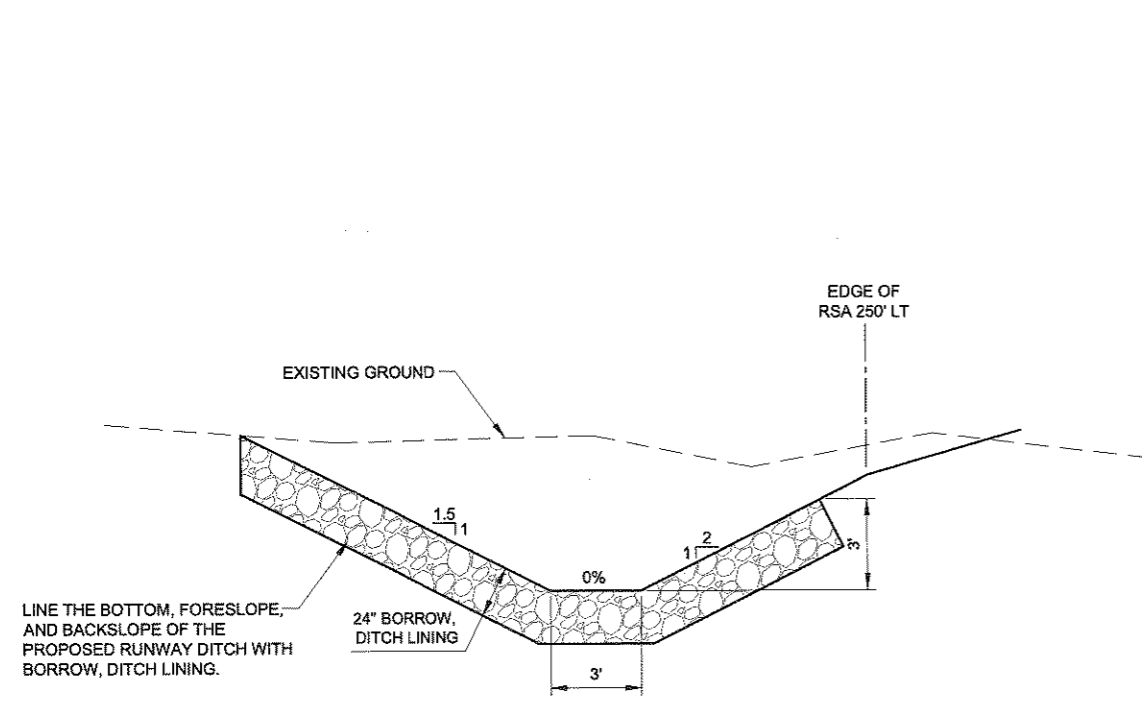
DRAWN BY: KEB

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
**PETERSBURG
 AIRPORT
 RUNWAY SAFETY
 AREA IMPROVEMENTS
 (PHASE II)**

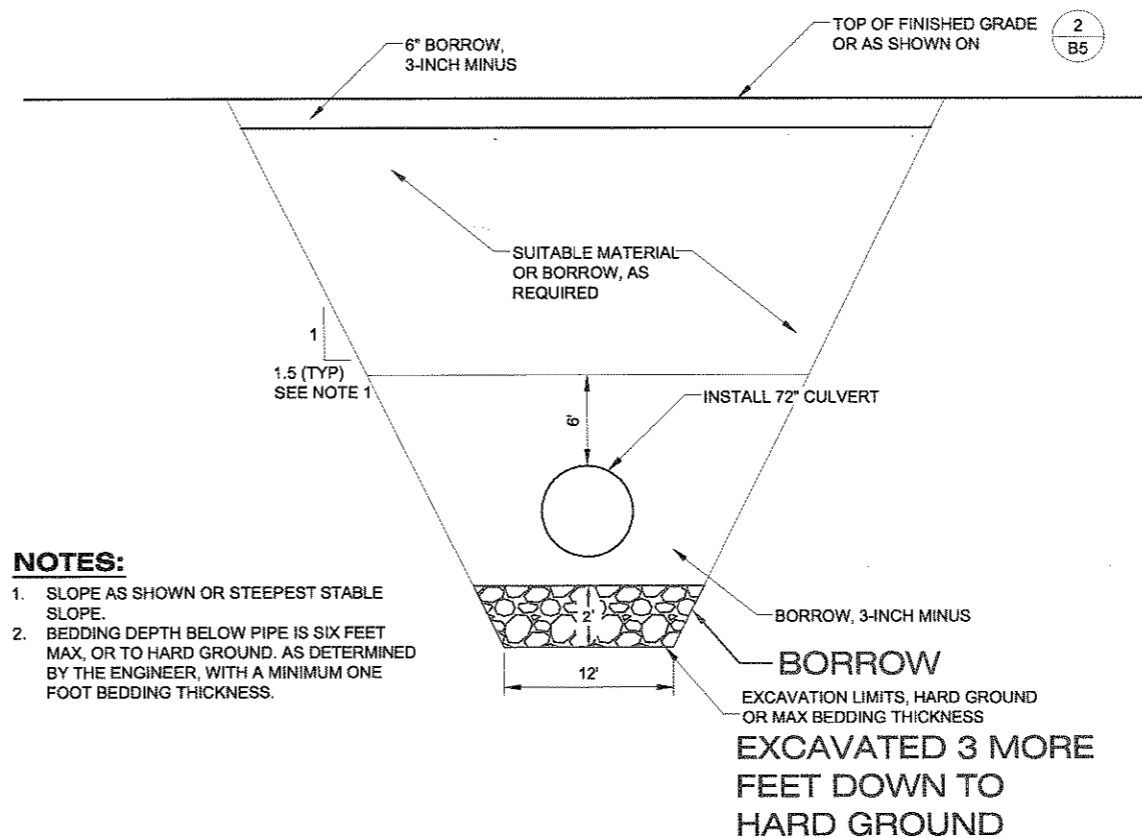
TYPICAL SECTIONS

PROJECT DESIGNATIONS
**ALASKA - DOT & PF
 68329
 FEDERAL - FAA
 AIP NO. 3-02-0219-1209**

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
B3	27



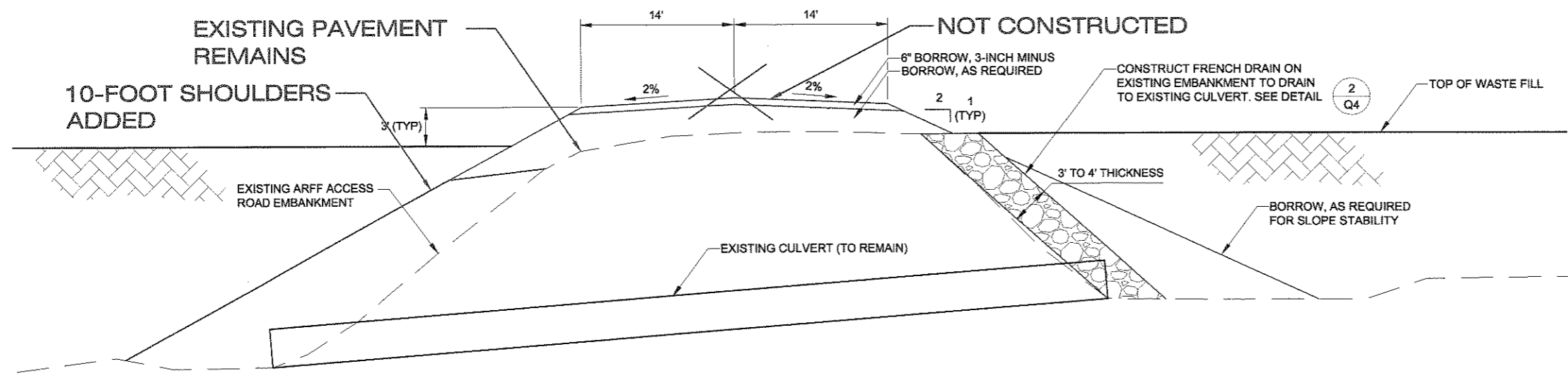
1 LEFT RUNWAY DITCH DETAIL
 B3 N.T.S.



NOTES:

- SLOPE AS SHOWN OR STEEPEST STABLE SLOPE.
- BEDDING DEPTH BELOW PIPE IS SIX FEET MAX, OR TO HARD GROUND, AS DETERMINED BY THE ENGINEER, WITH A MINIMUM ONE FOOT BEDDING THICKNESS.

2 RUNWAY CULVERT TRENCH TYPICAL SECTION
 B3 N.T.S.



3 ARFF AND APRON ACCESS ROAD SECTION
 B3 STA. 200+00.00 TO STA. 210+57.73
 STA. 300+00.00 TO STA. 301+42.94

Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
 PE *ARN* Date *1/15/2010*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

No.	DATE	DESCRIPTION

PETERSBURG AIRPORT
RUNWAY SAFETY AREA IMPROVEMENTS
(PHASE II)

MISCELLANEOUS DETAILS

PREPARED BY: USKH INC.

CHECKED BY: EJC



DESIGNED BY: RPK

DRAWN BY: KEB

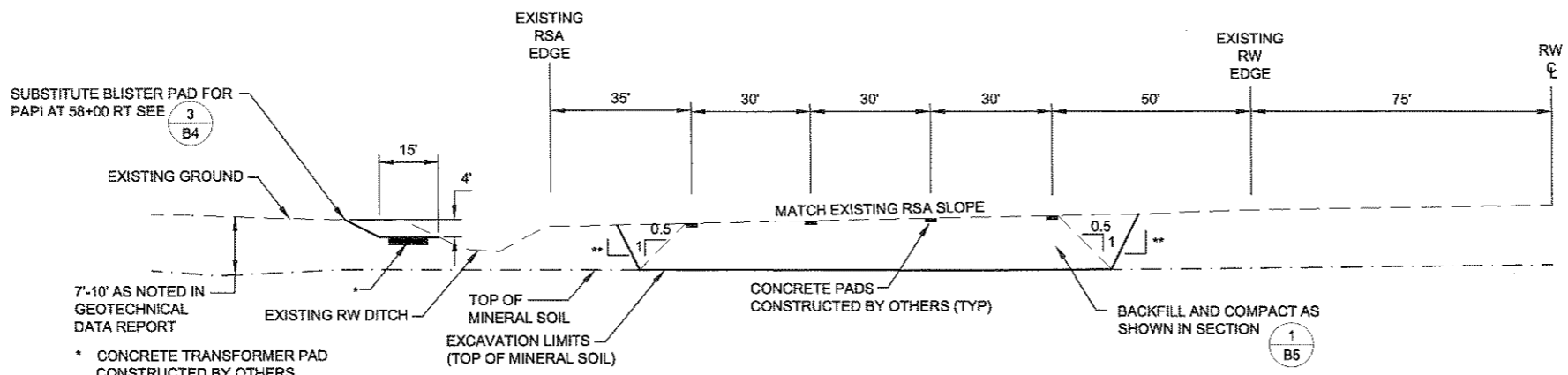
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

**PETERSBURG AIRPORT
RUNWAY SAFETY AREA IMPROVEMENTS
(PHASE II)**

**MISCELLANEOUS
DETAILS**

PROJECT DESIGNATIONS
ALASKA - DOT & PF
68329
FEDERAL - FAA
AIP NO. 3-02-0219-1209

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
B4	27



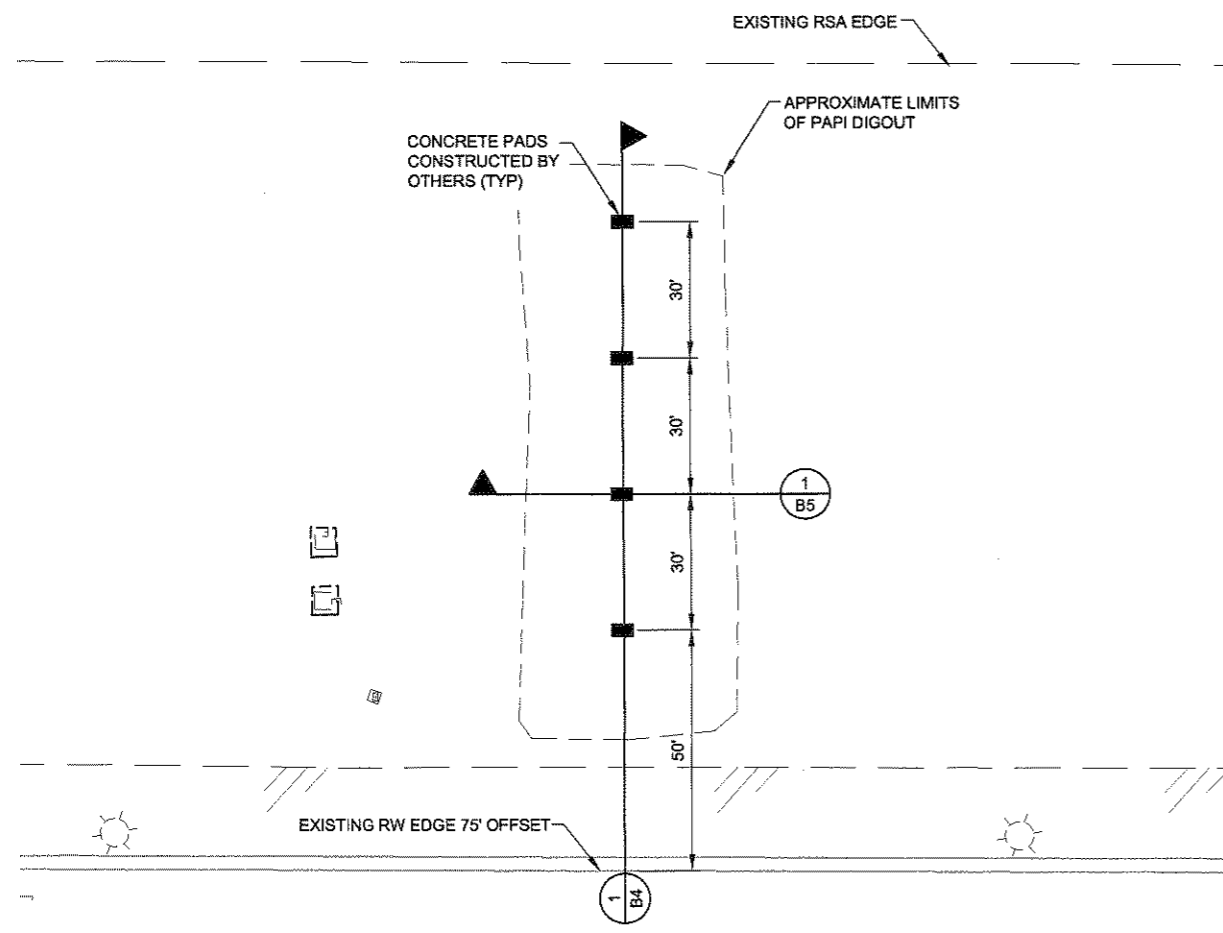
* CONCRETE TRANSFORMER PAD
CONSTRUCTED BY OTHERS.

** STEEPEST STABLE SLOPE.

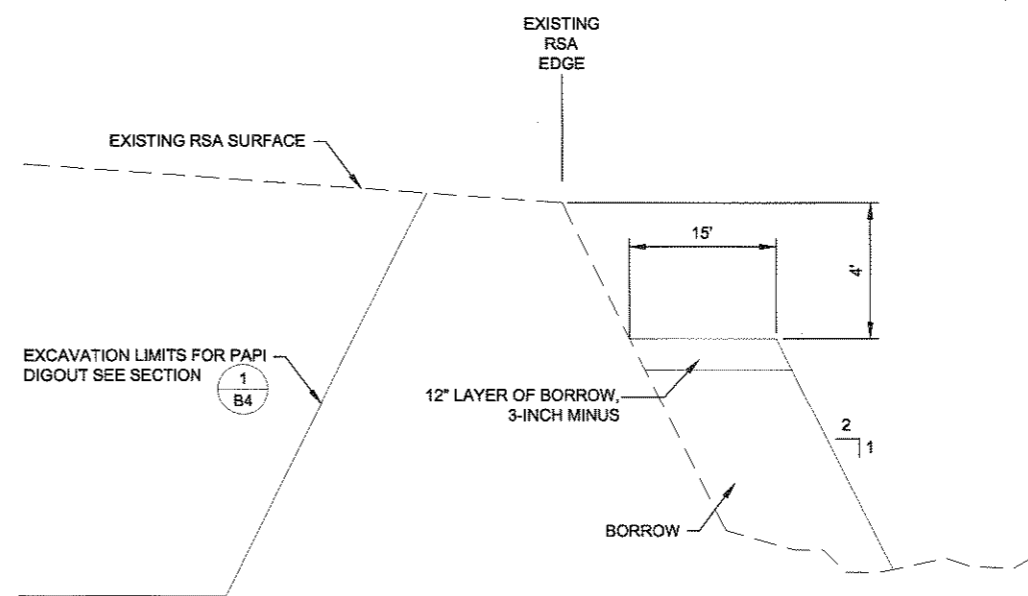
NOTES:

- THESE PAPI DIGOUT DETAILS APPLY TO BOTH PAPI LOCATIONS 17+09 LEFT AND 58+00 RIGHT. THE DETAILS DEPICT THE INSTALLATION AT 17+09 LEFT AND MUST BE MIRRORED ABOUT THE RUNWAY CENTERLINE FOR THE 58+00 RIGHT INSTALLATION. CONSTRUCT THE TRANSFORMER BLISTER PAD AT STATION 58+00 RIGHT AS SHOWN IN DETAIL.

1 PAPI DIGOUT SECTION
N.T.S. SECTION A-A



2 PAPI DIGOUT PLAN
N.T.S. PLAN VIEW



Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
PE KRV Date 1/15/2010

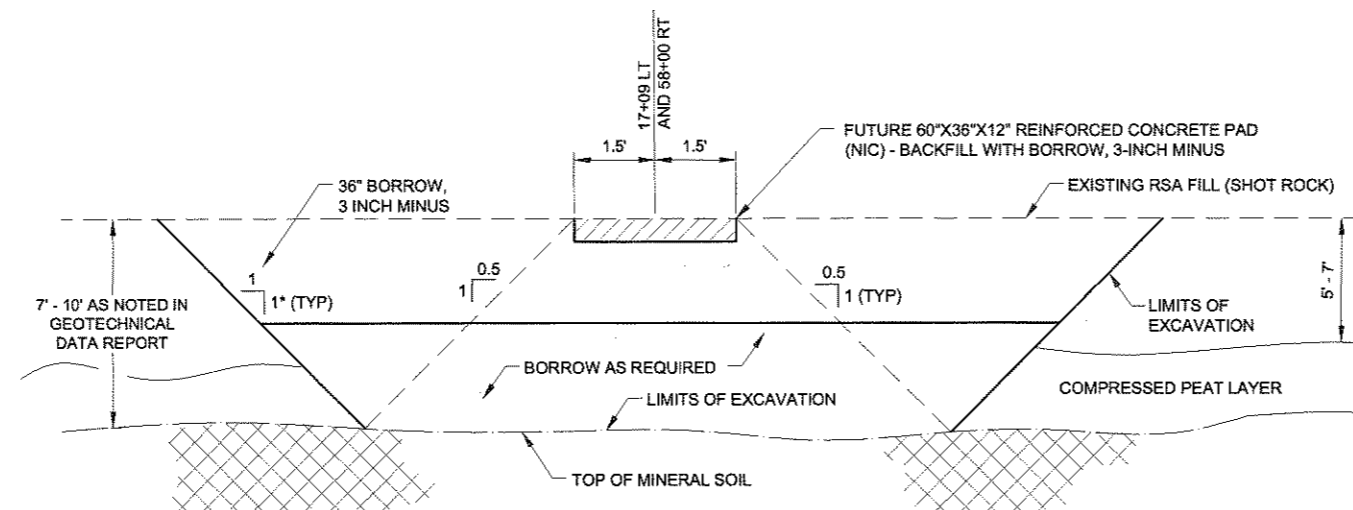
3 TRANSFORMER BLISTER PAD
N.T.S. 58+00 RIGHT

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

PETERSBURG AIRPORT
RUNWAY SAFETY AREA IMPROVEMENTS
(PHASE II)

MISCELLANEOUS DETAILS

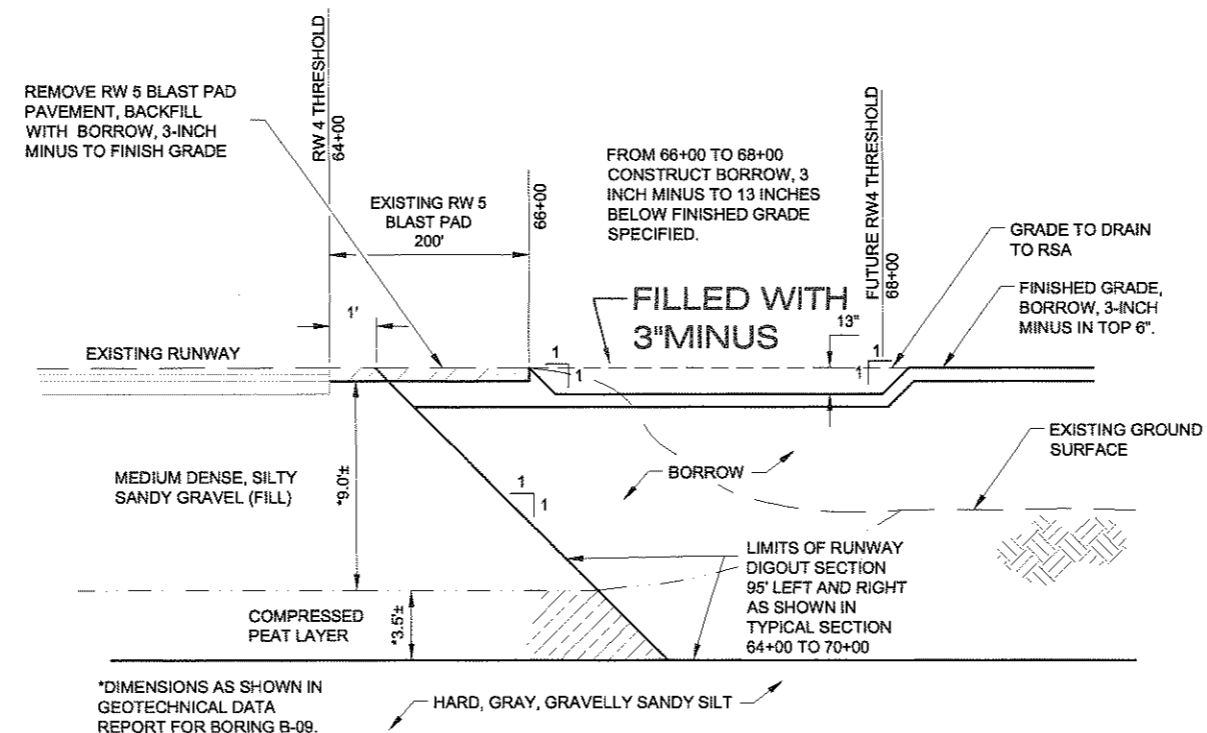


* OR STEEPEST STABLE SLOPE

NOTES:

1. SEE $\frac{1}{B4}$ & $\frac{2}{B4}$ FOR PLAN.

1 PAPI PAD/DIGOUT DETAIL
B5 N.T.S. 17+09 LT AND 58+00 RT
59+00 RT



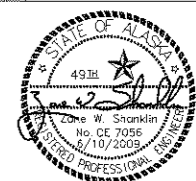
*DIMENSIONS AS SHOWN IN GEOTECHNICAL DATA REPORT FOR BORING B-09.

2 RUNWAY 5 DIGOUT DETAIL
B5 N.T.S. PROFILE VIEW

Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
PE KRW Date 1/15/2010

PREPARED BY: USKH INC.

CHECKED BY: EJC



DESIGNED BY: RPK

DRAWN BY: KEB

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION
**PETERSBURG AIRPORT
RUNWAY SAFETY
AREA IMPROVEMENTS
(PHASE II)**

**MISCELLANEOUS
DETAILS**

PROJECT DESIGNATIONS
ALASKA - DOT & PF
68329
FEDERAL - FAA
AIP NO. 3-02-0219-1209

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
B5	27

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

ESTIMATE OF QUANTITIES				ACTUALS
ITEM NO.	PAY ITEM	PAY UNIT	QUANTITY	QUANTITY
D-701a-72	CORRUGATED ALUMINUM PIPE, 72 INCH	LINEAR FOOT	555	555
D-701a-48	CORRUGATED ALUMINUM PIPE, 48 INCH NOT USED	LINEAR FOOT	66	0
G-100a	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED	ALL REQ'D
G-115a	WORKER MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQUIRED	ALL REQ'D
G-131a	ENGINEERING TRANSPORTATION (TRUCK)	EACH	4	4
G-135a	CONSTRUCTION SURVEYING BY THE CONTRACTOR	LUMP SUM	ALL REQUIRED	ALL REQ'D
G-135b	EXTRA THREE PERSON SURVEY PARTY	HOUR	40	3.48
G-700a	AIRPORT FLAGGER	CONTINGENT SUM	ALL REQUIRED	ALL REQ'D
G-700c	AIRPORT TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED	ALL REQ'D
P-152a	UNCLASSIFIED EXCAVATION	LUMP SUM	ALL REQUIRED	ALL REQ'D
P-152i	BORROW	TON	342,000	283,973
P-152i(2)	BORROW, 3-INCH MINUS	TON	30,000	43,837
P-152i(3)	BORROW, DITCH LINING	TON	4,000	4,026
P-157a	EROSION, SEDIMENT, AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED	ALL REQ'D
P-157b	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL	CONTINGENT SUM	ALL REQUIRED	ALL REQ'D
P-157e	EROSION, SEDIMENT, AND POLLUTION CONTROL PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED	ALL REQ'D
P-157f	SWPPP MANAGER	LUMP SUM	ALL REQUIRED	ALL REQ'D
P-157g	SWPPP LABORER	HOUR	640	418.50
P-157h	TEMPORARY CHECK DAMS	EACH	20	6
P-157j	TEMPORARY SEEDING	POUND	100	208
P-157k	SILT FENCE	LINEAR FOOT	6,200	2,937
P-157l	QUARRY INTERCEPTION / DIVERSION DITCH	LUMP SUM	ALL REQUIRED	ALL REQ'D
P-157m	SELFLOC-BMP NOT USED	LUMP SUM	ALL REQUIRED	ALL REQ'D
P-160a	EXCAVATION AND DISPOSAL OF PAVEMENT (AC)	SQUARE YARD	4,600	3,884
P-681a	GEOTEXTILE, SEPARATION	SQUARE YARD	6850	963
P-152H	QUARRY EXPLORATION, C.O.# 1	LUMP SUM		ALL REQ'D
P-152i(4)	BORROW, 3-INCH MINUS, PRICE REDUCTION, C.O.# 2	LUMP SUM		ALL REQ'D

ESTIMATING FACTORS			
ITEM NO.	ITEM	FACTOR/QUANTITY	
P-152i	BORROW	1.80	TON/CY
P-152i(2)	BORROW, 3-INCH MINUS	1.80	TON/CY
P-152i(3)	BORROW, DITCH LINING	1.80	TON/CY

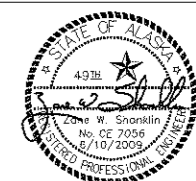
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

**PETERSBURG AIRPORT
RUNWAY SAFETY AREA IMPROVEMENTS
(PHASE II)**

ESTIMATE OF QUANTITIES

PREPARED BY: USKH INC.

CHECKED BY: EUG



DESIGNED BY: RPK

DRAWN BY: KEB

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

**PETERSBURG
AIRPORT
RUNWAY SAFETY
AREA IMPROVEMENTS
(PHASE II)**

**ESTIMATE
OF QUANTITIES**

PROJECT DESIGNATIONS
ALASKA - DOT & PF
68329
FEDERAL - FAA
AIP NO. 3-02-0219-1209

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
C1	27

Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
PE RRV Date 1/15/2010

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

D-701 CULVERT INSTALLATION SUMMARY										
PIPE NO.	INLET			OUTLET			48" CAP	72" CAP	GRADE	REMARKS
	RW STATION	OFFSET	INVERT	RW STATION	OFFSET	INVERT				
P-1	69+86.43	260.10 LT.	104.3	68+73.24	283.80 RT.	91.8		555	2.24%	10 GAUGE ALUMINUM / ALUMINUM ALLOY
P-2	13+27.40	544.24 RT.	86.0	15+62.67	589.85 RT.	95.0	66		1.50%	12 GAUGE ALUMINUM / ALUMINUM ALLOY

NOTE: P-2 WAS NOT INSTALLED, THE PIPE WAS STOCKPILED WITHIN THE RSA. THE CERTIFICATIONS ARE ON FILE IN THE PETERSBURG PROJECT OFFICE.

EARTHWORK SUMMARY				
SOURCE	P-152a UNCLASSIFIED EXCAVATION	P-152i BORROW	P-152i(2) BORROW 3-INCH MINUS	P-152i(3) BORROW DITCH LINING
2+00				
X-SECTIONS: 64+00 TO 74+00	44,597 CY	94,120 CY	10,343 CY	-
NEW RW DIGOUT 64+00 TO 74+00	37,566 CY	37,566 CY	-	-
WASTE CONTAINMENT BERM AT COP	-	15,000 CY	-	-
WASTE CONTAINMENT BERM AT APRON	-	5,875 CY	-	-
ARFF ACCESS ROAD	553 CY	5,384 CY	460 CY	-
PIPE BEDDING, DITCH LINING, SLOPE PROTECTION	-	-	3928 CY	1,800 CY
SUBTOTAL	82,716 CY	157,945 CY	14,731 CY	1,800 CY
ESTIMATING FACTOR	NO CONVERSION	1.80 TON/CY	1.80 TON/CY	1.80 TON/CY
	82,716 CY	284,300 TON	26,516 TON	3,240 TON
ADD:	0%	20% FOR CONSOLIDATION	10% MISC. USES	20% MISC. USES
TOTALS (ROUNDED)	82,000 CY	342,000 TON	36,000 TON	4,000 TON

72,149 CY

SEE SHEET C1 FOR TOTALS

NOTES:

- ESTIMATED AS 20% CONSOLIDATION OF THE PEAT LAYER THICKNESS AFTER PEAT EXCAVATION NEEDED FOR EMBANKMENT CONSTRUCTION.
- QUANTITY FOR UNCLASSIFIED EXCAVATION SUPPLIED AS BASIS OF ESTIMATE ONLY.

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

**PETERSBURG AIRPORT
RUNWAY SAFETY AREA IMPROVEMENTS
(PHASE II)**

SUMMARY TABLES

PREPARED BY: USKH INC.

CHECKED BY: DLM



DESIGNED BY: RPK

DRAWN BY: KEB

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

**PETERSBURG
AIRPORT
RUNWAY SAFETY
AREA IMPROVEMENTS
(PHASE II)**

SUMMARY TABLES

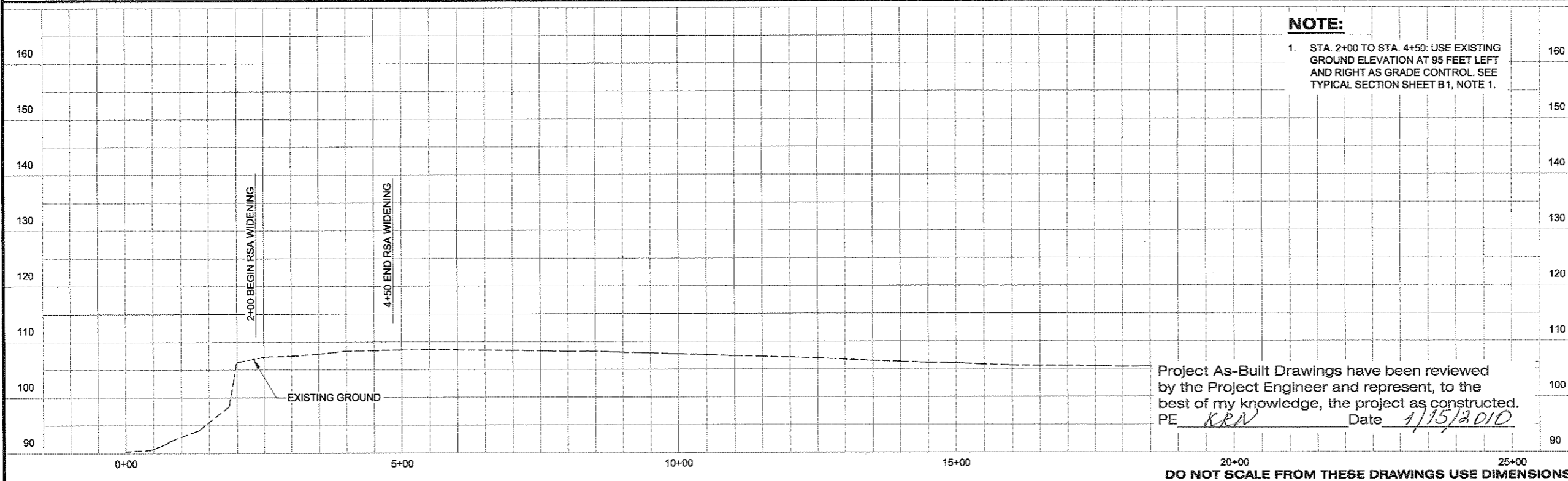
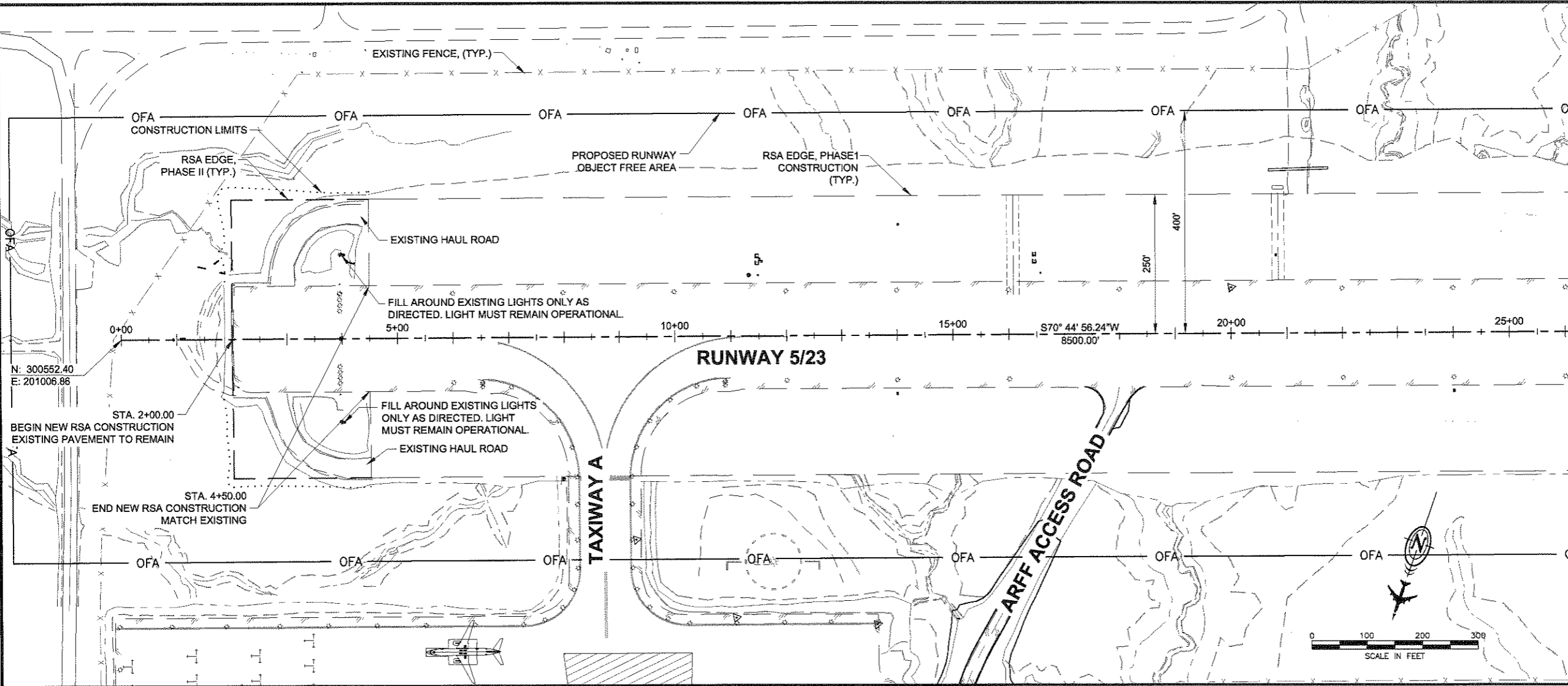
PROJECT DESIGNATIONS	
ALASKA - DOT & PF 68329	
FEDERAL - FAA AIP NO. 3-02-0219-1209	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
D1	27

Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
PE KRN Date 1/15/2010

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

**PETERSBURG AIRPORT
 RUNWAY SAFETY AREA IMPROVEMENTS
 (PHASE II)**

RUNWAY PLAN & PROFILE



NOTE:
 1. STA. 2+00 TO STA. 4+50: USE EXISTING GROUND ELEVATION AT 95 FEET LEFT AND RIGHT AS GRADE CONTROL. SEE TYPICAL SECTION SHEET B1, NOTE 1.

Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
 PE *KRN* Date *1/15/2010*

PREPARED BY: USKH INC.
 CHECKED BY: EUG

DESIGNED BY: RPK
 DRAWN BY: KEK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

**PETERSBURG AIRPORT
 RUNWAY SAFETY AREA IMPROVEMENTS
 (PHASE II)**

RUNWAY PLAN & PROFILE

PROJECT DESIGNATIONS
 ALASKA - DOT & PF 68329
 FEDERAL - FAA AIP NO. 3-02-0219-1209

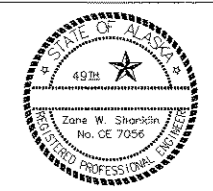
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
E1	27

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

**PETERSBURG AIRPORT
 RUNWAY SAFETY AREA IMPROVEMENTS
 (PHASE II)**

RUNWAY PLAN & PROFILE

PREPARED BY: USKH INC.
 CHECKED BY: E.JG



DESIGNED BY: RPK
 DRAWN BY: KEB

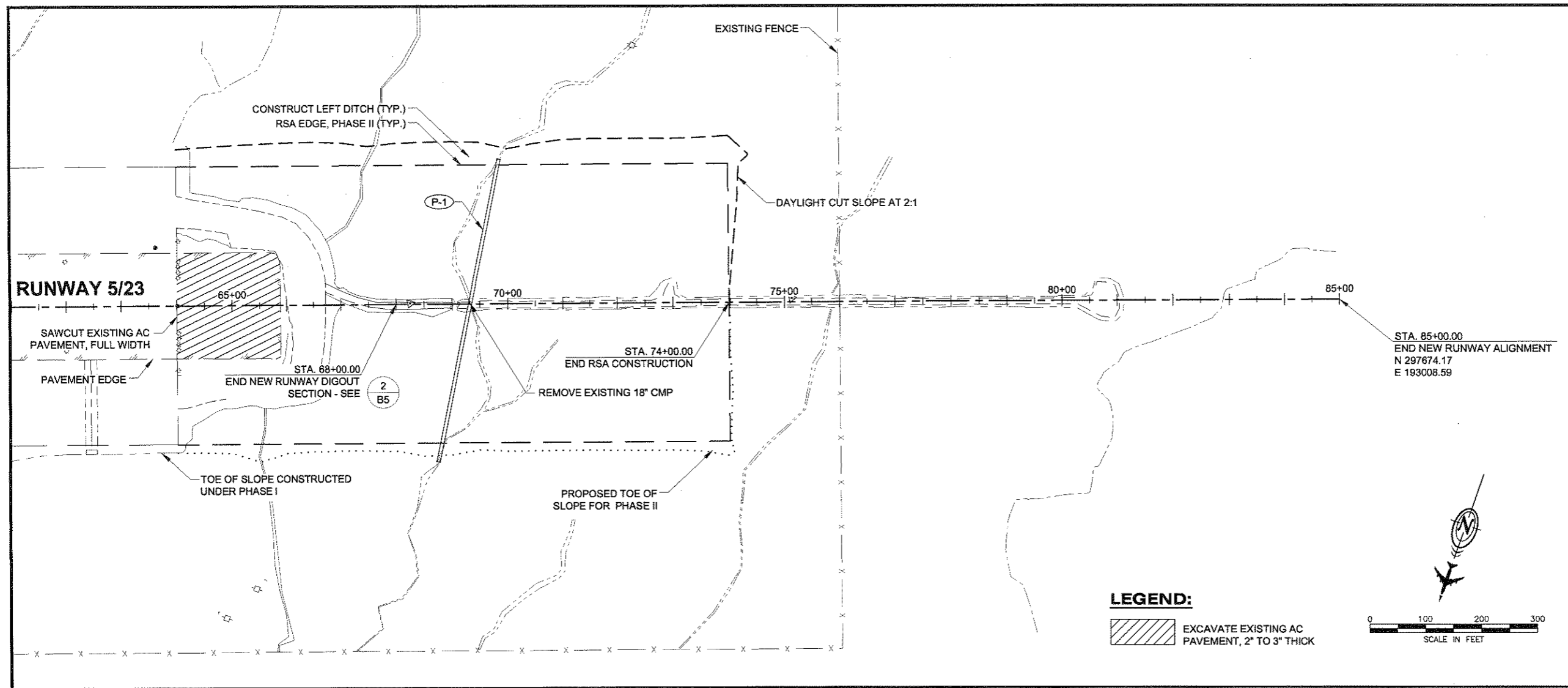
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

**PETERSBURG
 AIRPORT
 RUNWAY SAFETY
 AREA IMPROVEMENTS
 (PHASE II)**

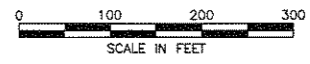
**RUNWAY
 PLAN & PROFILE**

PROJECT DESIGNATIONS
**ALASKA - DOT & PF
 68329
 FEDERAL - FAA
 AIP NO. 3-02-0219-1209**

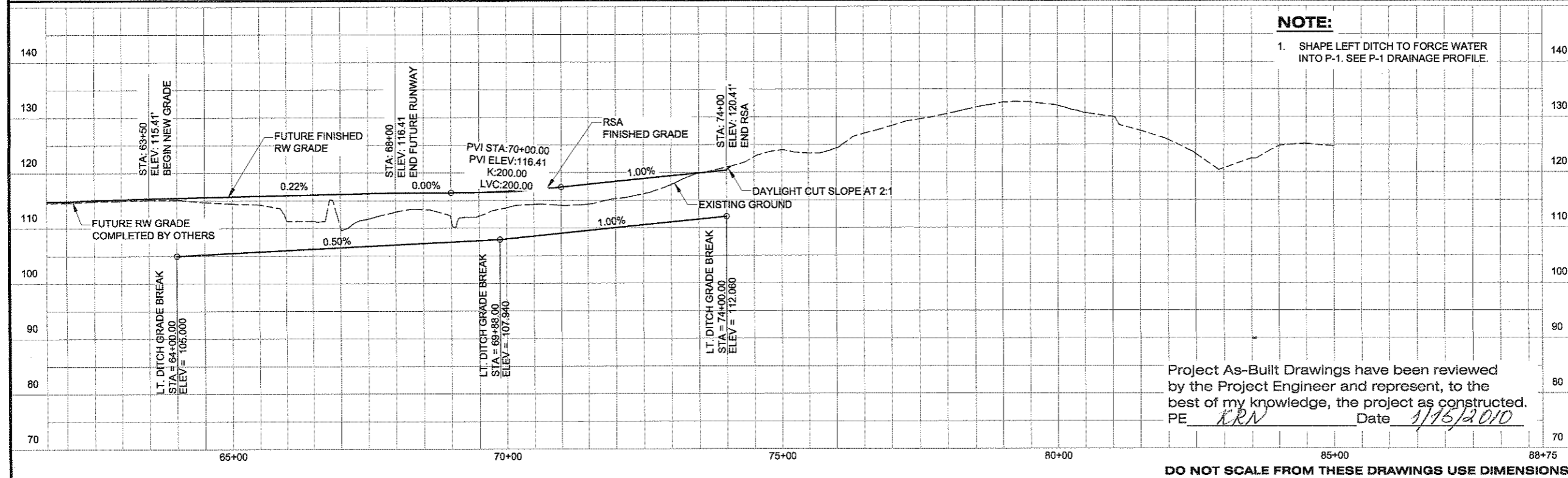
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
E2	27



LEGEND:
 EXCAVATE EXISTING AC PAVEMENT, 2" TO 3" THICK

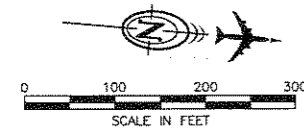


NOTE:
 1. SHAPE LEFT DITCH TO FORCE WATER INTO P-1. SEE P-1 DRAINAGE PROFILE.



Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
 PE CRN Date 1/16/2010

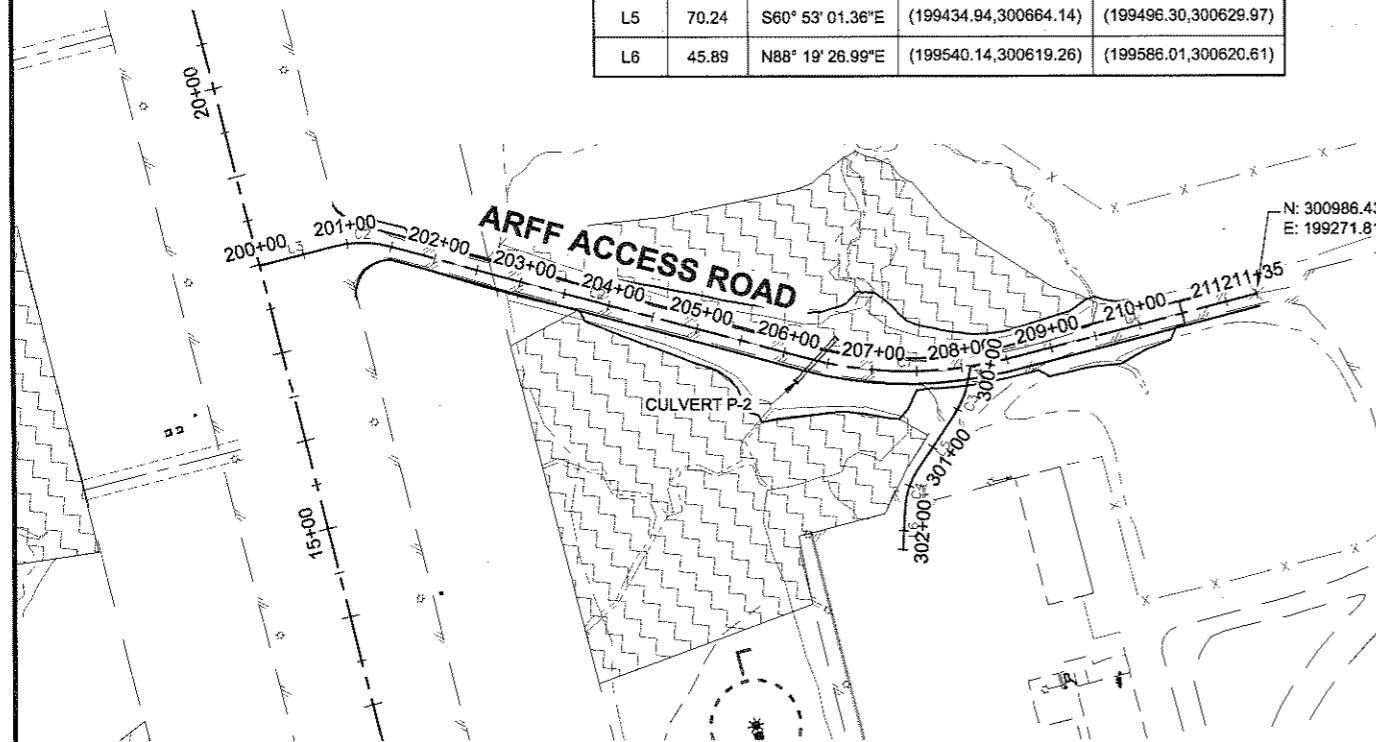
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



LEGEND:

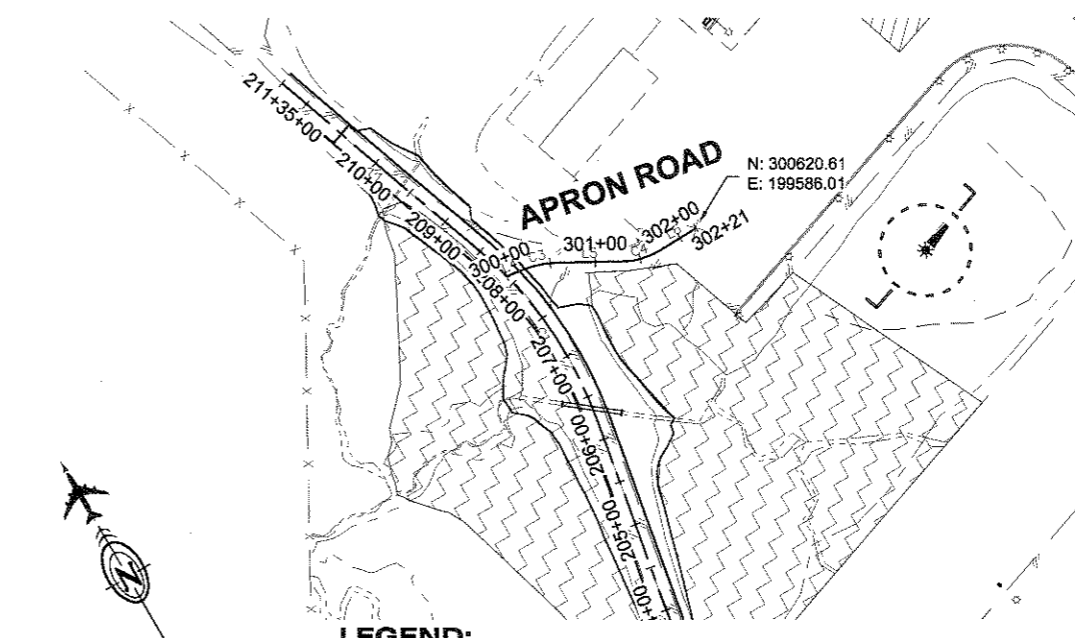
PERMITTED WASTE AREAS

ALIGNMENT LINE TABLE				
Line #	Length	Direction	Start Point	End Point
L1	285.99	N19° 29' 48.14"W	(199367.26,300716.84)	(199271.81,300986.43)
L2	473.78	N10° 04' 57.11"E	(199301.51,300026.19)	(199384.45,300492.65)
L3	86.83	N19° 14' 00.69"W	(199334.95,299883.66)	(199306.35,299965.65)
L4	15.97	S83° 20' 15.45"E	(199378.32,300679.15)	(199394.18,300677.30)
L5	70.24	S60° 53' 01.36"E	(199434.94,300664.14)	(199496.30,300629.97)
L6	45.89	N88° 19' 26.99"E	(199540.14,300619.26)	(199586.01,300620.61)



ALIGNMENT CURVE TABLE

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	450.00	227.26	N4° 23' 06.15"W	(199384.45,300492.65)	(199367.26,300716.84)
C2	120.00	61.40	N4° 34' 31.79"W	(199306.35,299965.65)	(199301.51,300026.19)
C3	110.00	43.11	S72° 06' 38.40"E	(199394.18,300677.30)	(199434.94,300664.14)
C4	85.00	45.68	S76° 16' 47.19"E	(199496.30,300629.97)	(199540.14,300619.26)



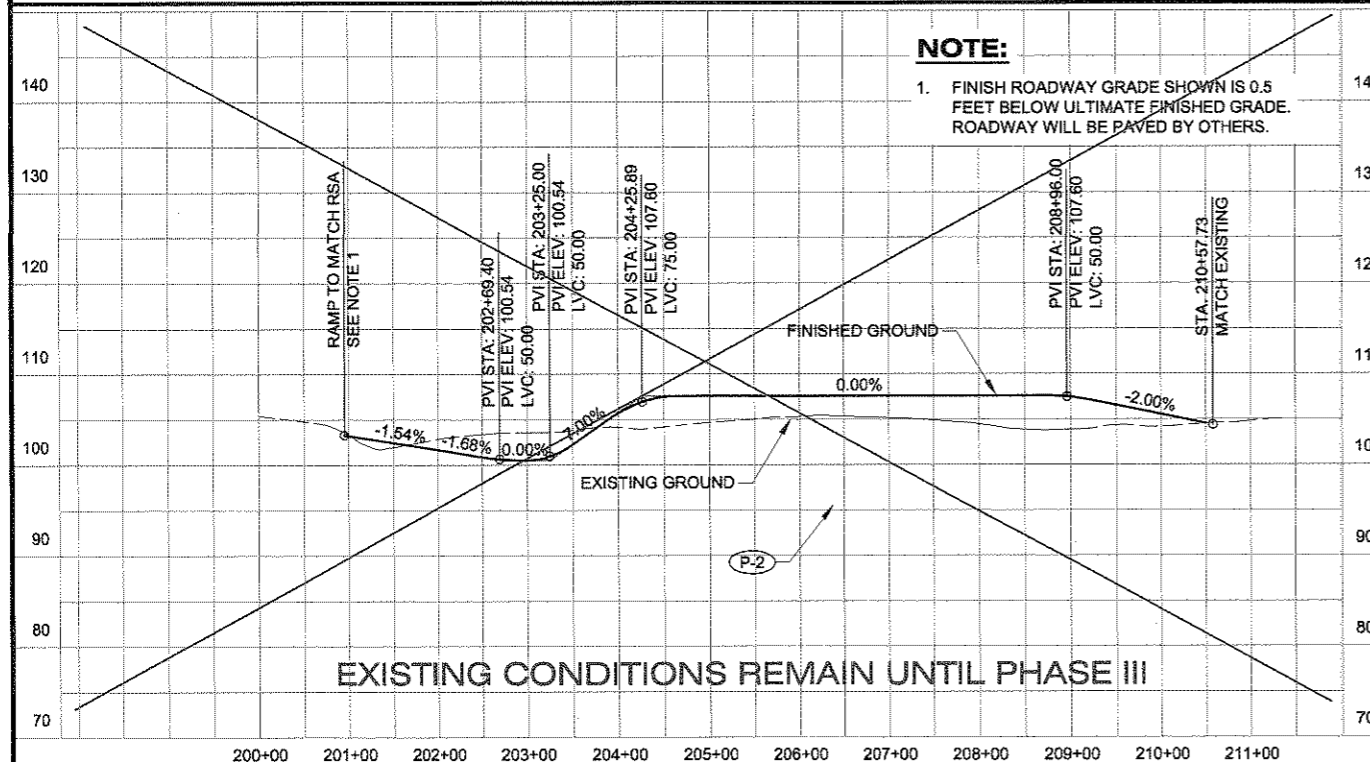
LEGEND:

PERMITTED WASTE AREAS

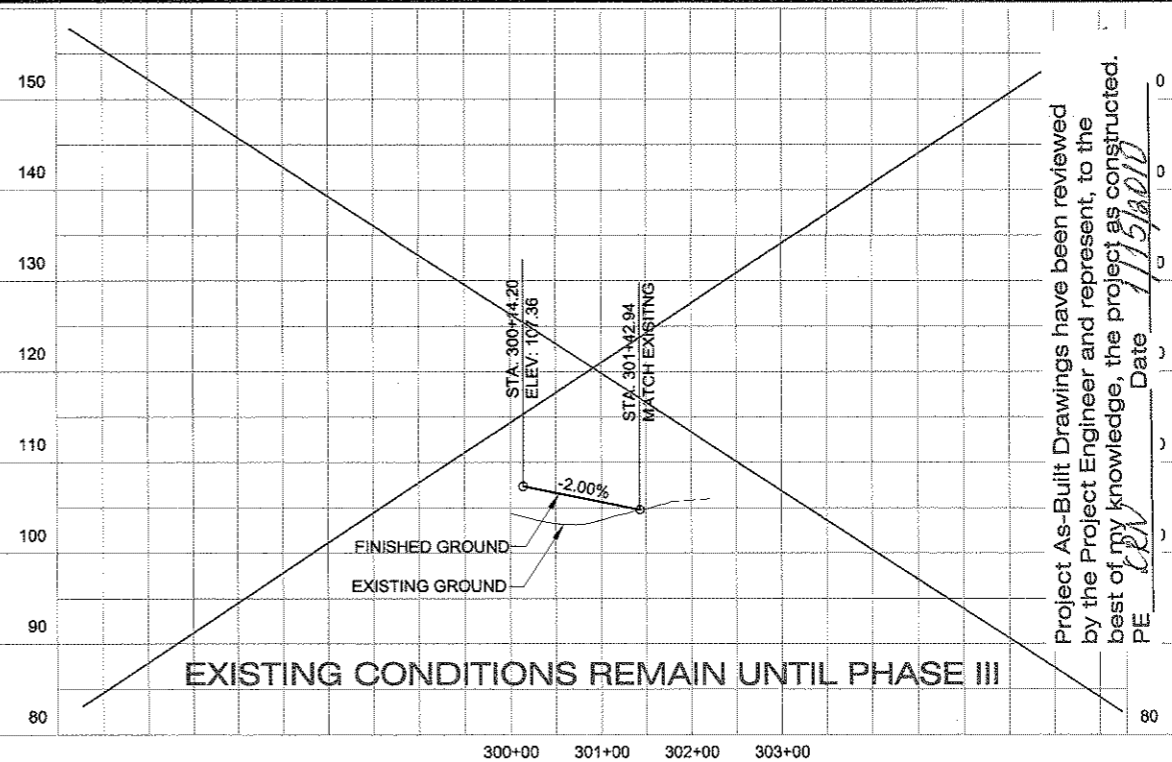


NOTE:

1. FINISH ROADWAY GRADE SHOWN IS 0.5 FEET BELOW ULTIMATE FINISHED GRADE. ROADWAY WILL BE PAVED BY OTHERS.



Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
PE *CEW* Date *1/15/2010*



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: H:\Documents\As-Built\PSG RSA Ph\DWG\88201 E

Thu, 14/Jun/10 09:17AM knovikova

TAB: Layout1

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

PETERSBURG AIRPORT
RUNWAY SAFETY AREA IMPROVEMENTS
(PHASE II)
ARFF ACCESS ROAD PLAN & PROFILE

PREPARED BY: USKH INC.
CHECKED BY: EUG



DESIGNED BY: RPK
DRAWN BY: KEB

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

**PETERSBURG AIRPORT
RUNWAY SAFETY AREA IMPROVEMENTS
(PHASE II)**

ARFF ACCESS ROAD PLAN & PROFILE

PROJECT DESIGNATIONS
ALASKA - DOT & PF
68329
FEDERAL - FAA
AIP NO. 3-02-0219-1209

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
E3	27

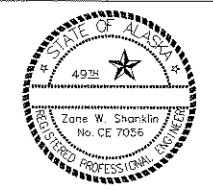
No.	DATE	DESCRIPTION

PETERSBURG AIRPORT
RUNWAY SAFETY AREA IMPROVEMENTS
(PHASE II)

P-1
DRAINAGE PROFILE

PREPARED BY: USKH INC.

CHECKED BY: EJC



DESIGNED BY: RPK

DRAWN BY: KEB

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

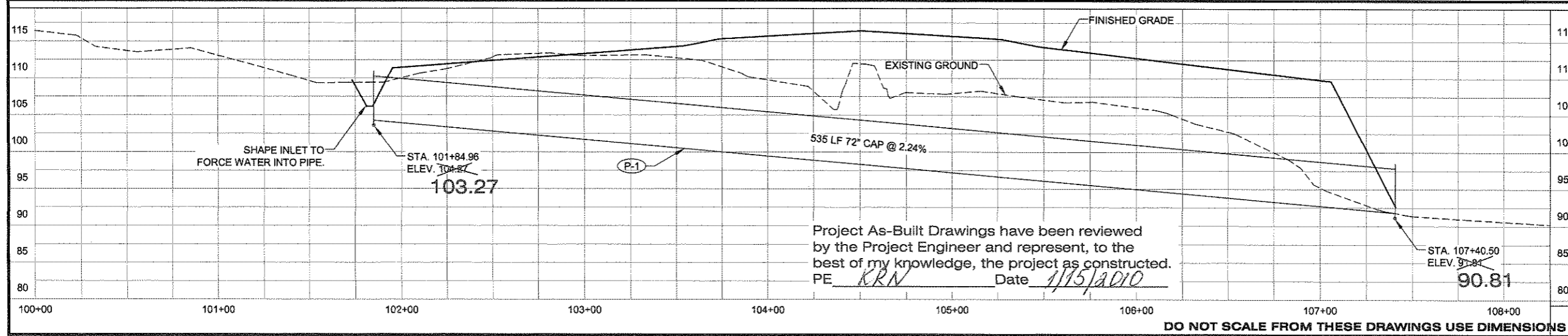
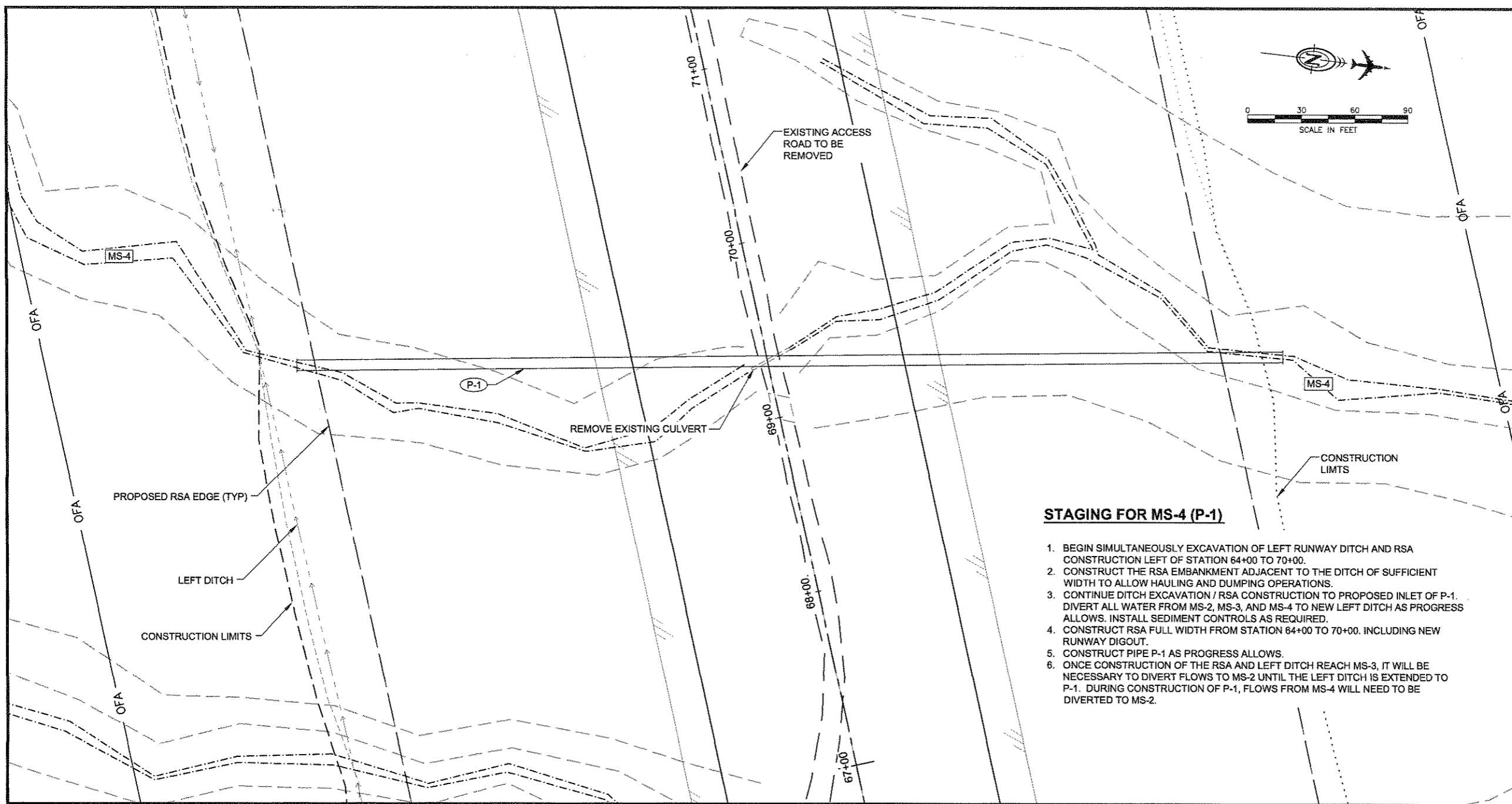
PETERSBURG AIRPORT
RUNWAY SAFETY AREA IMPROVEMENTS
(PHASE II)

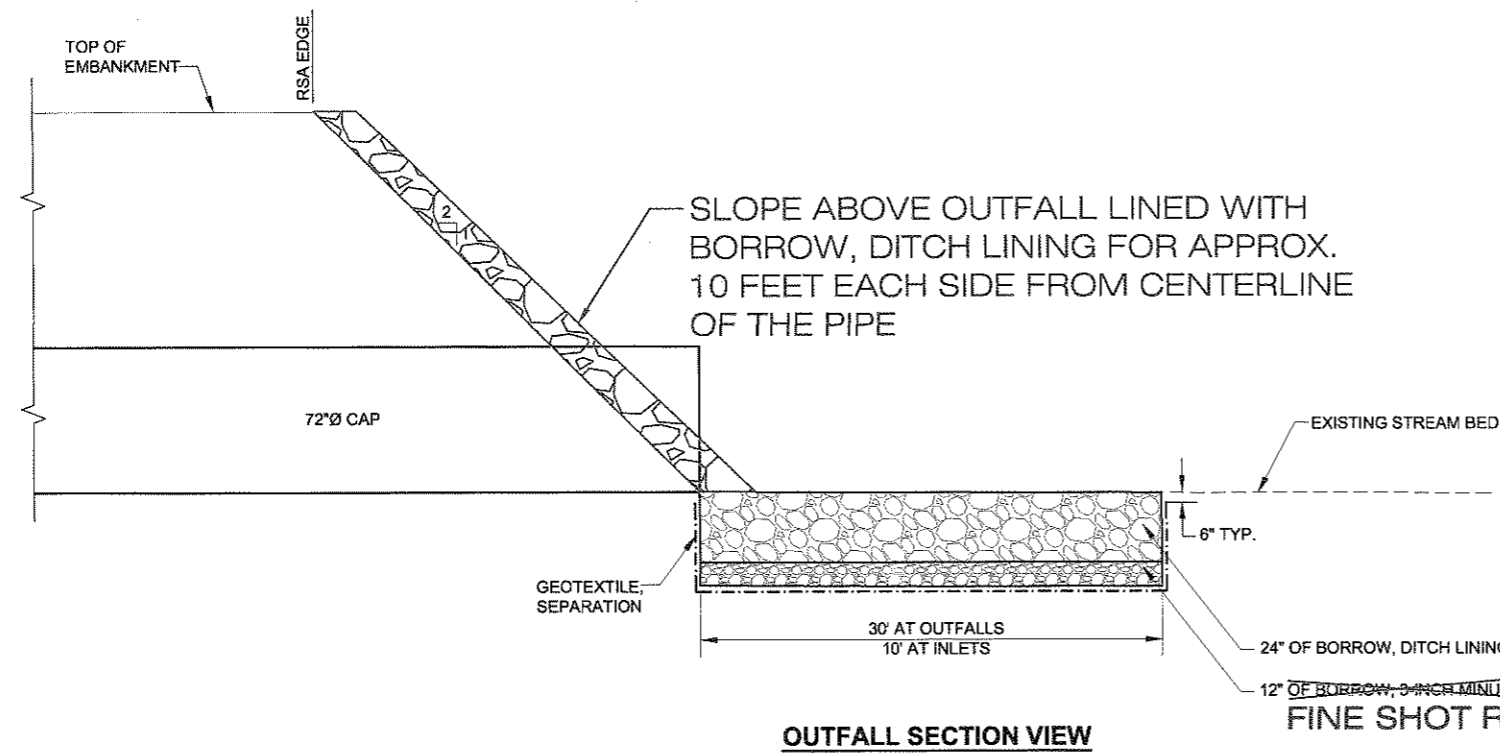
P-1
DRAINAGE PROFILE

PROJECT DESIGNATIONS
ALASKA - DOT & PF
68329
FEDERAL - FAA
AIP NO. 3-02-0219-1209

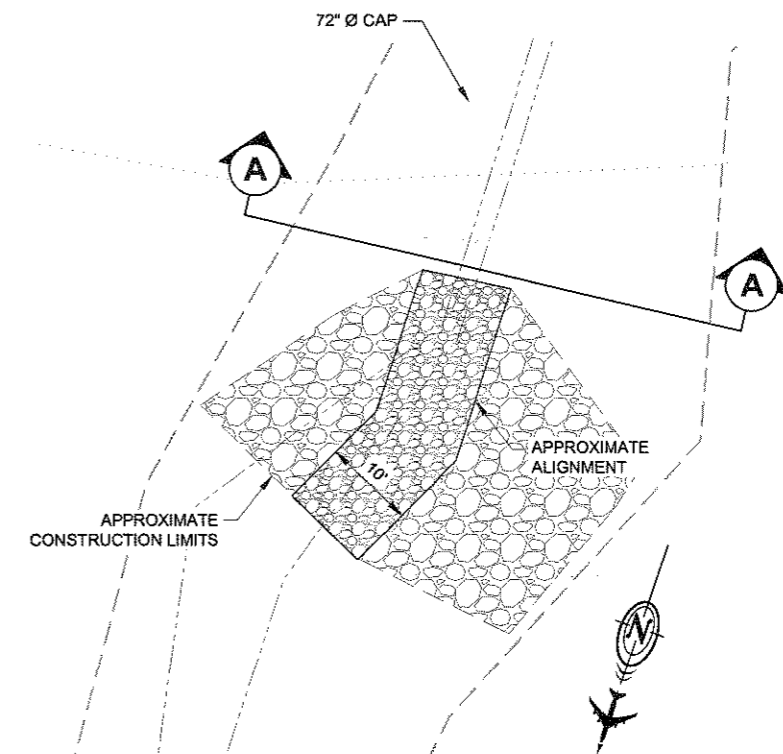
STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
H1	27

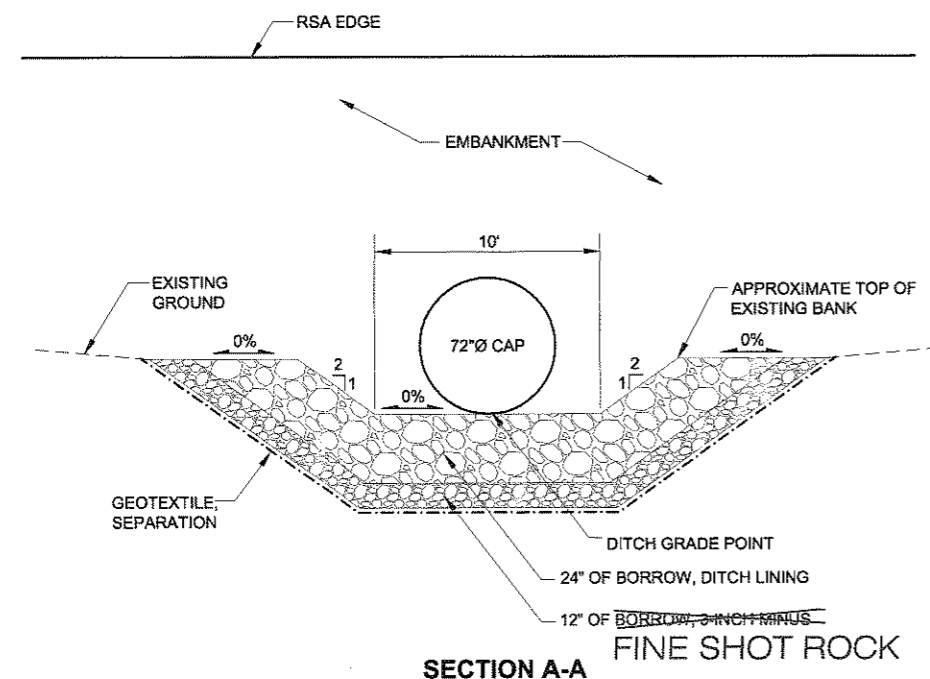




OUTFALL SECTION VIEW



2 P1 CULVERT OUTFALL DETAIL
SCALE: 1"=10'



1 CULVERT INLET/OUTFALL SECTION
N.T.S.

HYDROLOGIC AND HYDRAULIC SUMMARY - P-1			
DRAINAGE AREA = 0.06 MILES ²			
EXCEEDANCE PROBABILITY	2%	1%	REGULATORY FLOOD
RETURN PERIOD	50-YEAR (Q ₅₀)	100-YEAR (Q ₁₀₀)	N/A
DESIGN DISCHARGE	20 CFS	25 CFS	N/A
DESIGN HIGH WATER ELEVATION	4.5 FEET BELOW CROWN OF PIPE	4.3 FEET BELOW CROWN OF PIPE	N/A
ANTICIPATED ADDITIONAL BACKWATER AT Q100=0.0 FEET			

PETERSBURG AIRPORT
RUNWAY SAFETY AREA IMPROVEMENTS
(PHASE II)

DRAINAGE OUTFALL DETAILS

PREPARED BY: USKH INC.
CHECKED BY: EJC



DESIGNED BY: RPK
 DRAWN BY: KEB
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
**PETERSBURG AIRPORT
 RUNWAY SAFETY
 AREA IMPROVEMENTS
 (PHASE II)**

DRAINAGE OUTFALL DETAILS

PROJECT DESIGNATIONS
 ALASKA - DOT & PF
 68329
 FEDERAL - FAA
 AIP NO. 3-02-0219-1209

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
H2	27

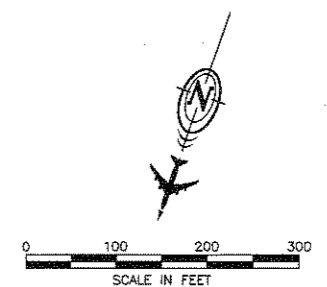
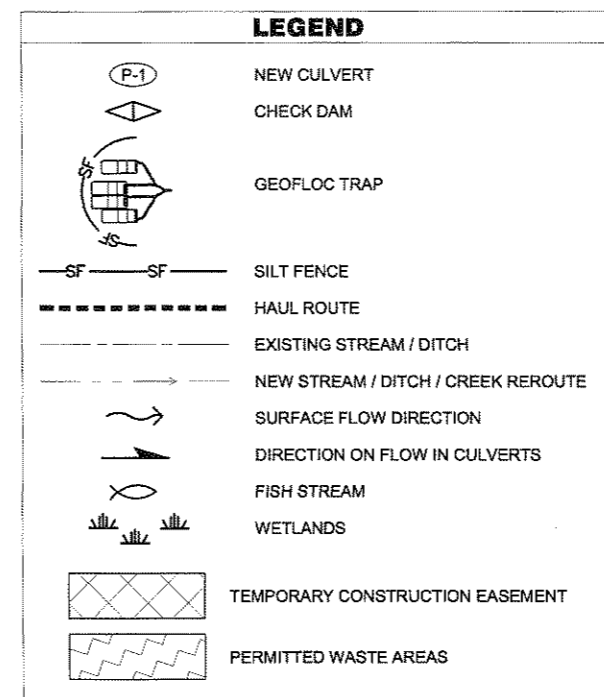
Project As-Built Drawings have been reviewed
 by the Project Engineer and represent, to the
 best of my knowledge, the project as constructed.
 PE KRN Date 1/15/2010

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

GENERAL ESCP NOTES:

- SEE APPENDIX D FOR THE ENVIRONMENTAL PERMITS AND COMMITMENTS.
- THE CONTRACTOR SHALL USE THIS EROSION AND SEDIMENT CONTROL PLAN (ESCP) TO DEVELOP STORM WATER POLLUTION PREVENTION PLANS (SWPPP) FOR EACH STAGE OF WORK. NO EARTHWORK WILL BE ALLOWED ON A SPECIFIC STAGE UNTIL THE SWPPP BMPs COVERING THAT SPECIFIC STAGE HAVE BEEN APPROVED AND IMPLEMENTED.
- BMPs INTENDED TO TREAT ONLY STORM WATER RUNOFF COMING FROM DISTURBED AREAS. STORM WATER COMING FROM OUTSIDE THE PROJECT LIMITS, UNDISTURBED AREAS AND BASE FLOWS ARE TO BE ROUTED THROUGH EXISTING DRAINAGE CHANNELS AND AROUND SETTLING PONDS. USE TEMPORARY DITCHING AND PIPING AS NECESSARY TO MEET THIS REQUIREMENT.
- THE ENGINEER MAY DIRECT THE CONTRACTOR TO PROVIDE ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS REQUIRED TO PREVENT SEDIMENT FROM ENTERING WATERS OF THE U.S. THESE ADDITIONAL CONTROL MEASURES MAY INCLUDE, BUT ARE NOT LIMITED TO:
 - TEMPORARY SEEDING OF EXPOSED SLOPES
 - USE OF TEST FLOCCULANT BMP IN SEDIMENTATION PONDS
 - APPLICATION OF SOIL STABILIZATION POLYMER TO ROADS OR EXPOSED SLOPES.
 - BENTONITE CLAY AND OTHER SOIL SEALERS
 - ADDITION OF AGGREGATE BASE COURSE MATERIALS TO HAUL ROADS
 - VEHICLE TRACKING ENTRANCE/EXIT
 - DEWATERING SILT BAG
 - CONSTRUCTION TIMING AND SEQUENCING TO MINIMIZE EXPOSURE OF EXPOSED SLOPES
- THIS PROJECT WILL EXPAND THE RUNWAY SAFETY AREA AT THE JAMES A. JOHNSON AIRPORT IN PETERSBURG, ALASKA. THE WORK INCLUDES PLACING CULVERTS THAT PASS THROUGH THE EMBANKMENT, EXPANDING THE EXISTING RUNWAY EMBANKMENT BY PLACING APPROXIMATELY 190,000 CUBIC YARDS OF EMBANKMENT.
- THE ESTIMATED TOTAL AREA OF DISTURBANCE, INCLUDING THE BORROW SOURCE, WASTE DISPOSAL AREA, AND WORK FOOT PRINT IS 112 ACRES.
- THE RECEIVING WATERS FOR STORM WATER DISCHARGE ARE HAMMER SLOUGH CREEK, MILL SLOUGH CREEK, JOHNNY SALES CREEK, AND ADJACENT WETLANDS. ALL RECEIVING WATERS DISCHARGE TO WRANGELL NARROWS OR FREDRICK SOUND.
- NO KNOWN THREATENED OR ENDANGERED SPECIES WILL BE AFFECTED BY THE PROJECT OR ITS STORM WATER DISCHARGES.
- NO KNOWN HISTORIC SITES WILL BE AFFECTED BY THE PROJECT OR ITS STORM WATER DISCHARGES.
- NO KNOWN IMPAIRED WATERS, OR WATERS WITH TOTAL MAXIMUM DAILY LOADS (TMDLS), WILL BE AFFECTED BY THE PROJECT OR ITS STORM WATER DISCHARGES.
- SILT FENCE AROUND EACH END OF THE RUNWAY WAS REMOVED. OTHER BMPs REMAIN IN PLACE THROUGH PHASE III.



**PETERSBURG AIRPORT
 RUNWAY SAFETY AREA IMPROVEMENTS
 (PHASE II)
 EROSION & SEDIMENT CONTROL PLAN**

PREPARED BY: USKH INC.
 CHECKED BY: EUG



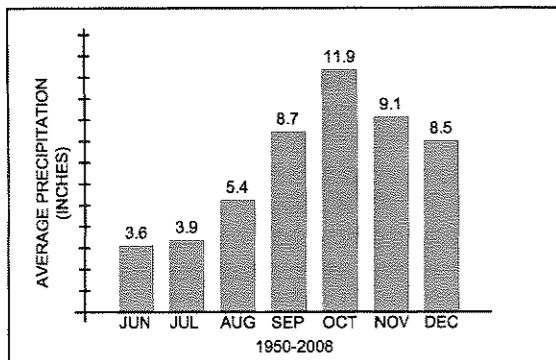
DESIGNED BY: PLM
 DRAWN BY: KEB

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
**PETERSBURG
 AIRPORT
 RUNWAY SAFETY
 AREA IMPROVEMENTS
 (PHASE II)**

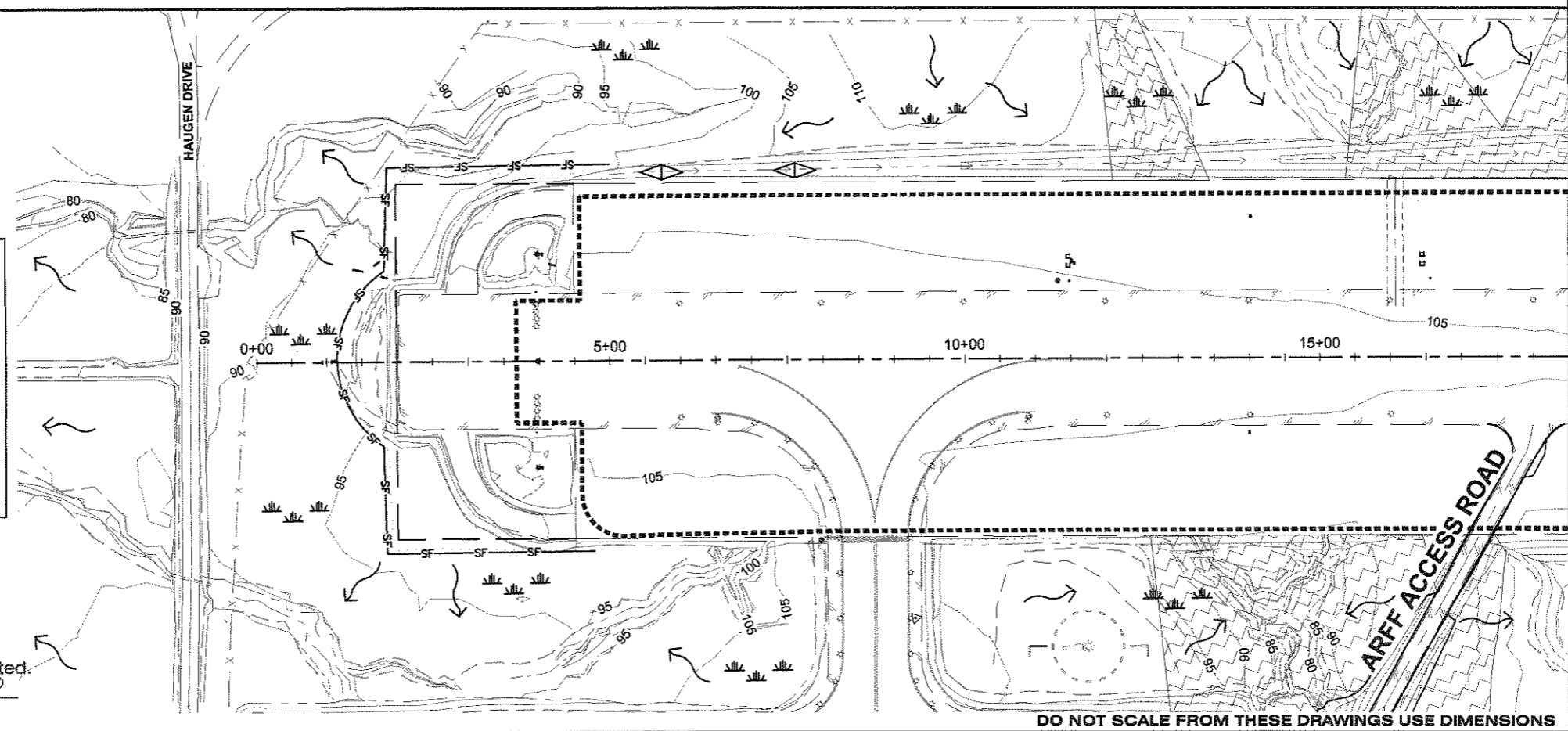
EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATIONS
 ALASKA - DOT & PF
 68329
 FEDERAL - FAA
 AIP NO. 3-02-0219-1209

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
K1	27



Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
 PE LRN Date 1/15/2010



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: H:\Documents\As-Built\PSG RSA Phil\DWG\88201.k

Thu, 14/Jan/10 09:39AM krnovkova

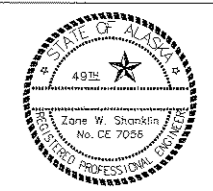
TAB: Layout1

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

**PETERSBURG AIRPORT
 RUNWAY SAFETY AREA IMPROVEMENTS
 (PHASE II)**

EROSION & SEDIMENT CONTROL PLAN

PREPARED BY: USKH INC.
 CHECKED BY: EJC



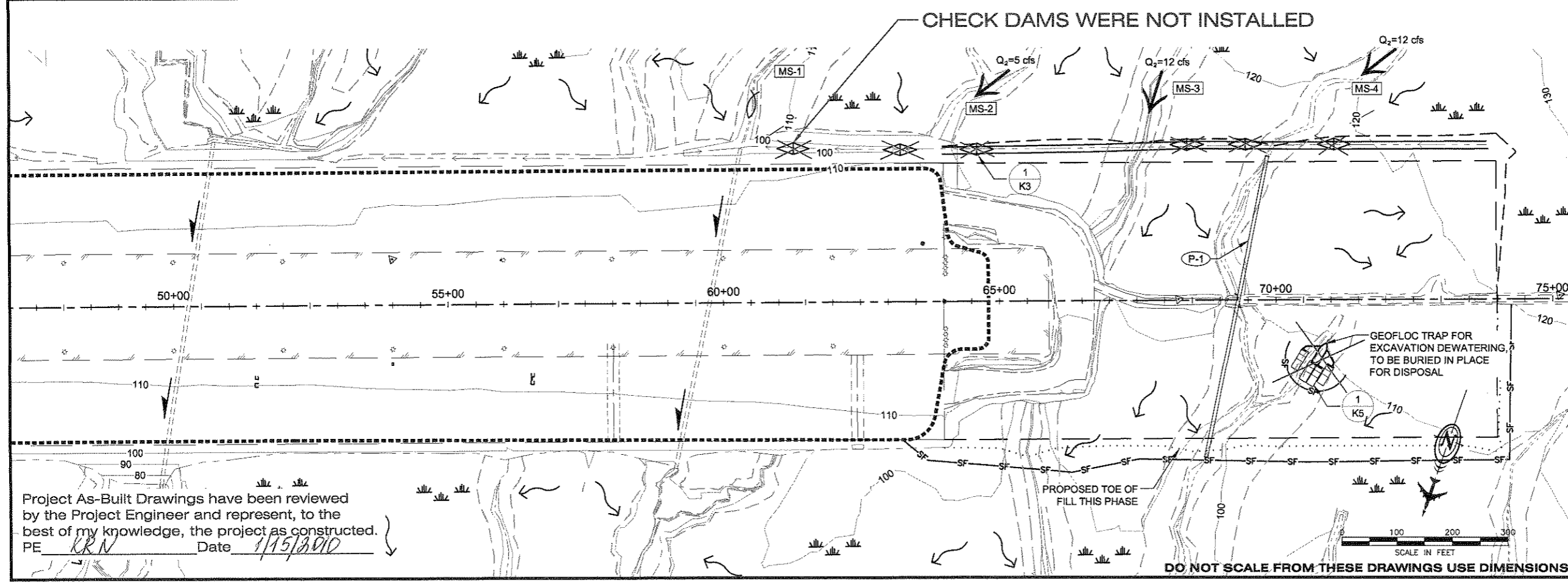
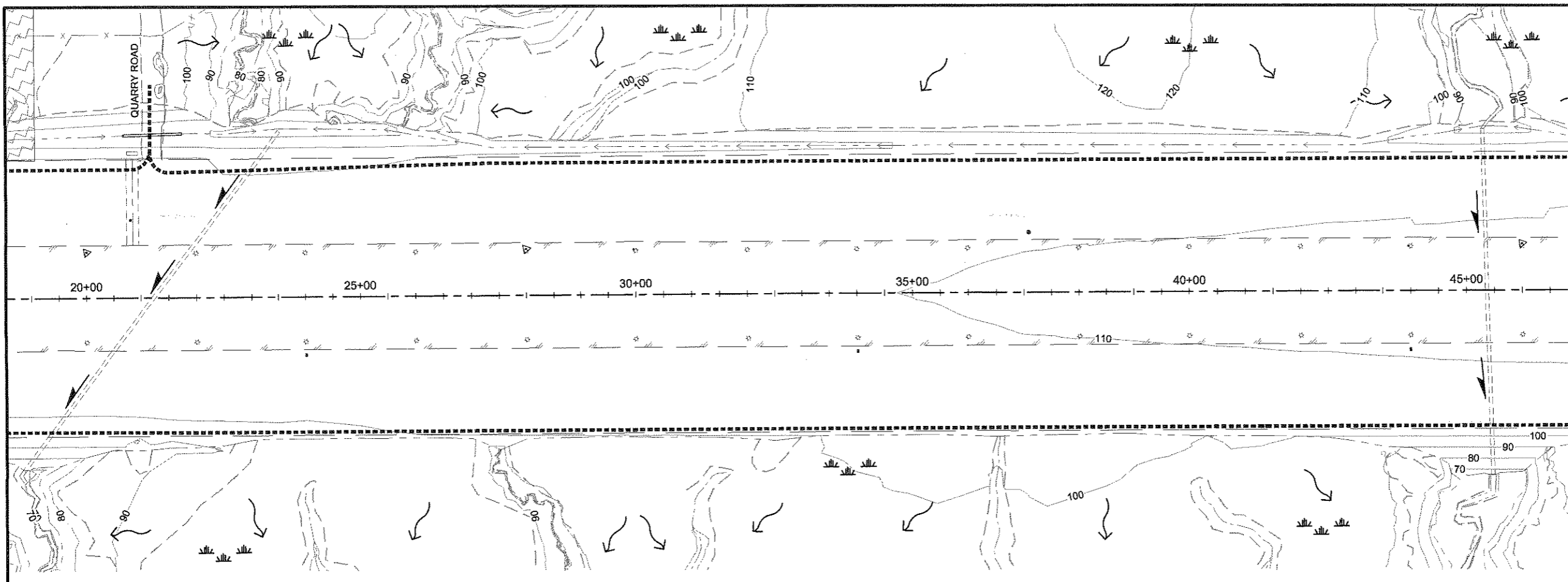
DESIGNED BY: PLM
 DRAWN BY: KEB
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

**PETERSBURG
 AIRPORT
 RUNWAY SAFETY
 AREA IMPROVEMENTS
 (PHASE II)**

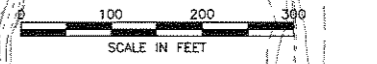
**EROSION &
 SEDIMENT
 CONTROL PLAN**

PROJECT DESIGNATIONS
**ALASKA - DOT & PF
 68329
 FEDERAL - FAA
 AIP NO. 3-02-0219-1209**

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
K2	27



Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
 PE KRN Date 1/15/2010



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

**PETERSBURG AIRPORT
 RUNWAY SAFETY AREA IMPROVEMENTS
 (PHASE II)**
EROSION & SEDIMENT CONTROL DETAILS

PREPARED BY: USKH INC.
 CHECKED BY: EUG



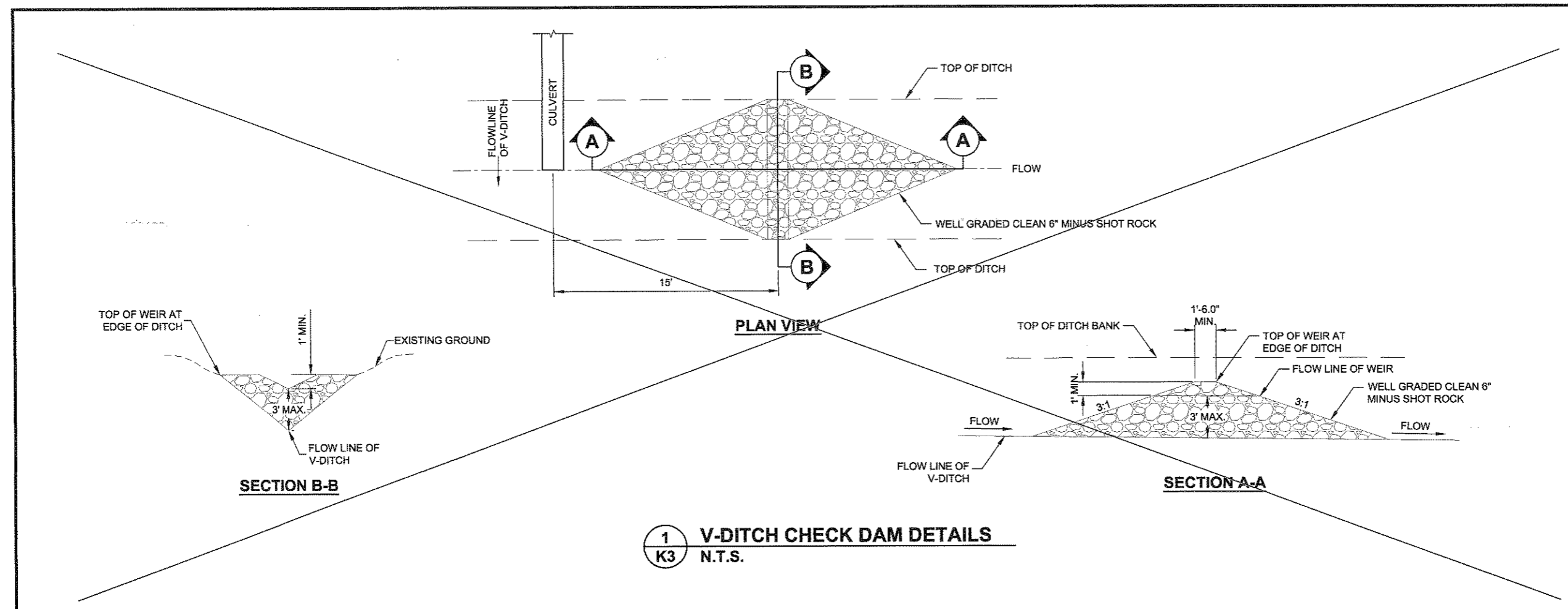
DESIGNED BY: PLM
 DRAWN BY: KEB

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
**PETERSBURG
 AIRPORT
 RUNWAY SAFETY
 AREA IMPROVEMENTS
 (PHASE II)**

**EROSION &
 SEDIMENT
 CONTROL DETAILS**

PROJECT DESIGNATIONS
 ALASKA - DOT & PF
 68329
 FEDERAL - FAA
 AIP NO. 3-02-0219-1209

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
K3	27



1
K3 **V-DITCH CHECK DAM DETAILS**
 N.T.S.

NOT INSTALLED

Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
 PE KRN Date 1/15/2010

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS


Thu, 14/Jan/10 09:43AM kmovikova
TAB: LAYOUT

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

**PETERSBURG AIRPORT
RUNWAY SAFETY AREA IMPROVEMENTS
(PHASE II)**

EROSION & SEDIMENT CONTROL DETAILS

PREPARED BY: USKH INC.
CHECKED BY: EJC



DESIGNED BY: RPK
DRAWN BY: KEB

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

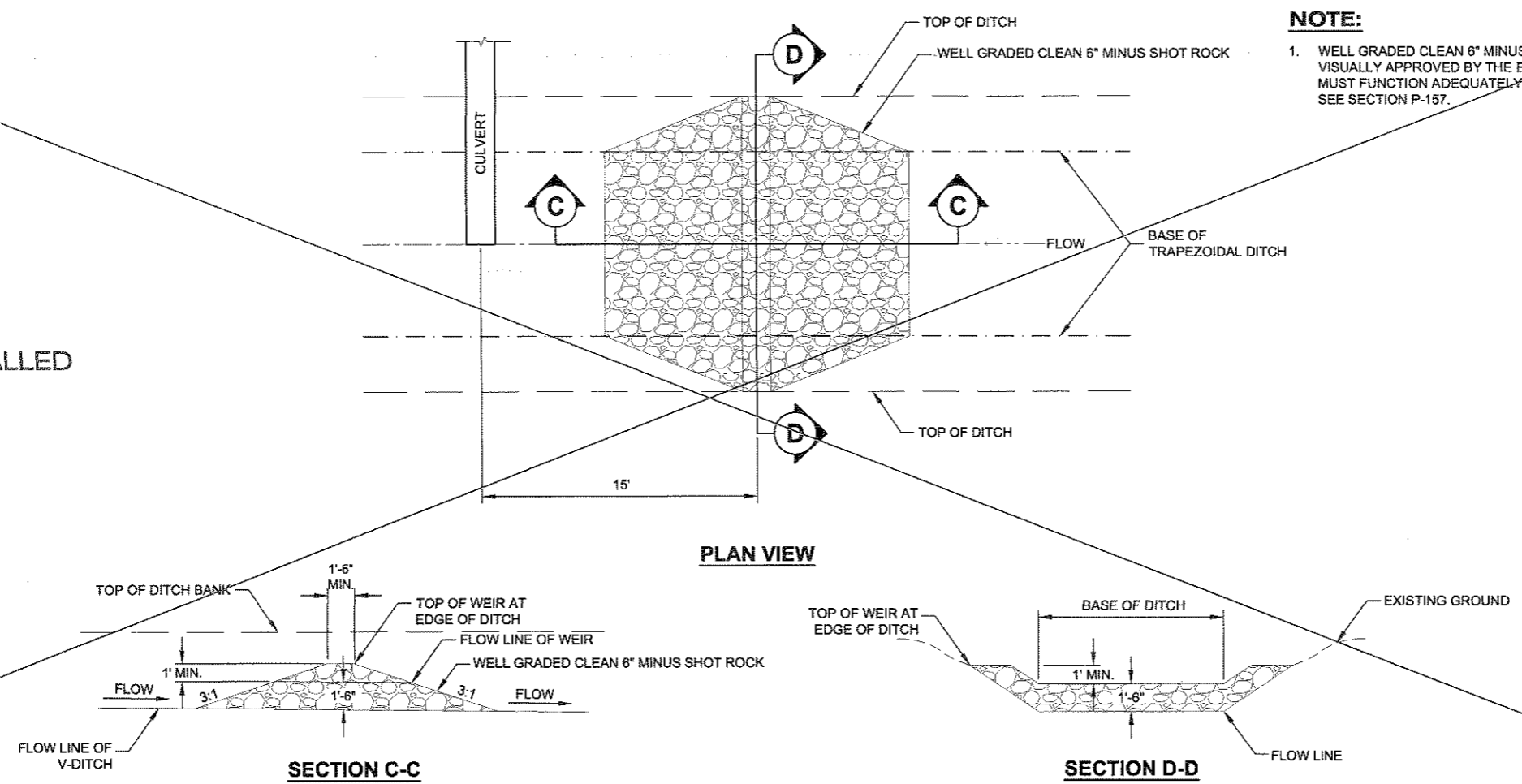
**PETERSBURG
AIRPORT
RUNWAY SAFETY
AREA IMPROVEMENTS
(PHASE II)**

**EROSION &
SEDIMENT
CONTROL DETAILS**

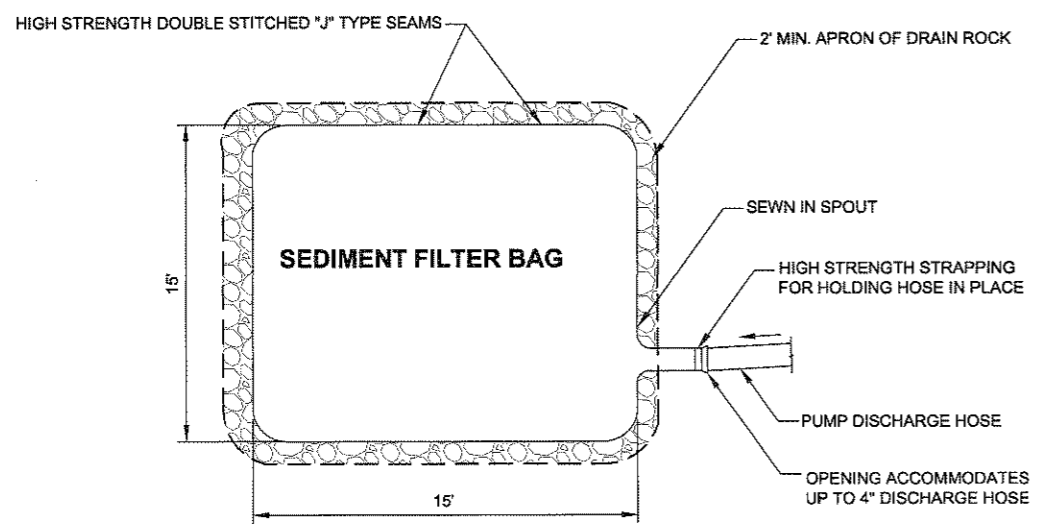
PROJECT DESIGNATIONS	
ALASKA - DOT & PF 68329 FEDERAL - FAA AIP NO. 3-02-0219-1209	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
K4	27

NOTE:
1. WELL GRADED CLEAN 6" MINUS SHOT ROCK AS VISUALLY APPROVED BY THE ENGINEER. MATERIAL MUST FUNCTION ADEQUATELY FOR ITS INTENDED USE. SEE SECTION P-157.

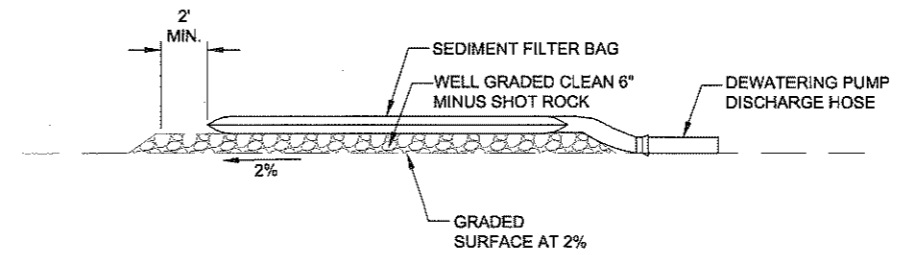
NOT INSTALLED



1
K4 **TRAPEZOIDAL DITCH CHECK DAM DETAILS**
N.T.S.



TOP VIEW



SIDE VIEW

SEDIMENT FILTER BAG NOTES:
1. SEDIMENT FILTER BAG TO BE USED IN EXCAVATION AREAS WHERE DEWATERING IS REQUIRED AND AS DIRECTED.
2. REPLACE BAG WHEN 50% FULL OR BECOMES CLOGGED.

2
K4 **SEDIMENT FILTER BAG**
N.T.S.

Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
PE KRN Date 1/15/2010

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

**PETERSBURG AIRPORT
 RUNWAY SAFETY AREA IMPROVEMENTS
 (PHASE II)**
EROSION & SEDIMENT CONTROL DETAILS

PREPARED BY: USKH INC.
 CHECKED BY: EJJ



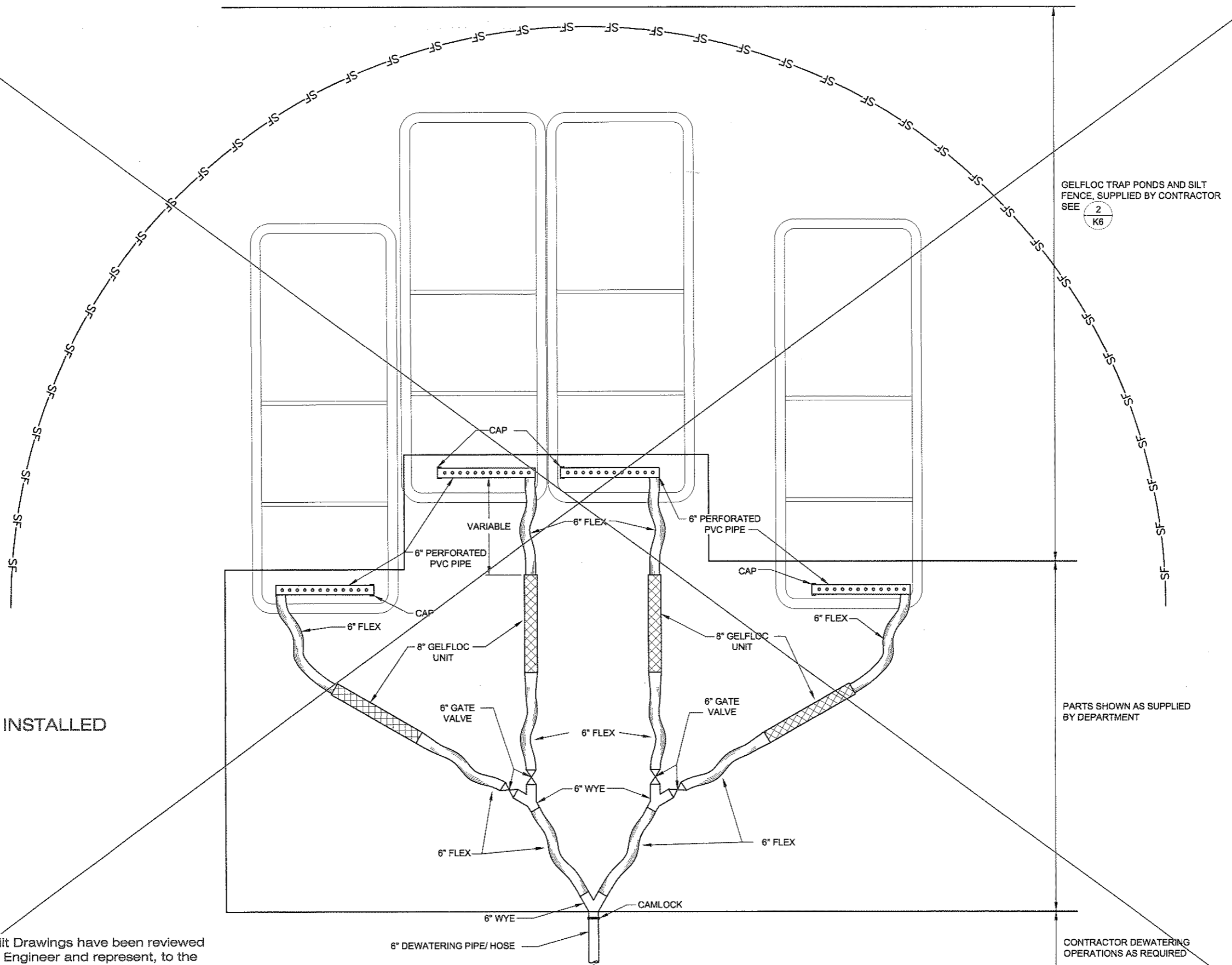
DESIGNED BY: PLM
 DRAWN BY: KEB

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
**PETERSBURG
 AIRPORT
 RUNWAY SAFETY
 AREA IMPROVEMENTS
 (PHASE II)**

**EROSION &
 SEDIMENT
 CONTROL DETAILS**

PROJECT DESIGNATIONS
**ALASKA - DOT & PF
 68329
 FEDERAL - FAA
 AIP NO. 3-02-0219-1209**

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
K5	27



ITEM NOT INSTALLED

Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
 PE KRN Date 1/15/2010

1
K5 **GELFLOC TRAP LAYOUT PLAN**
N.T.S.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

GELFLOC TRAP PONDS AND SILT FENCE, SUPPLIED BY CONTRACTOR SEE **2** **K6**

PARTS SHOWN AS SUPPLIED BY DEPARTMENT

CONTRACTOR DEWATERING OPERATIONS AS REQUIRED

ITEM NOT INSTALLED

PATH:
H:\Documents\As-Built\PSG RSA Phil\DWG\88201...

Thu, 14/Jan/10 09:28AM krnavikova

TAB: LAYOUT 1

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

PETERSBURG AIRPORT
RUNWAY SAFETY AREA IMPROVEMENTS
(PHASE II)

EROSION & SEDIMENT CONTROL DETAILS

PREPARED BY: USKH INC.
CHECKED BY: EJC



DESIGNED BY: PLM
DRAWN BY: KEB

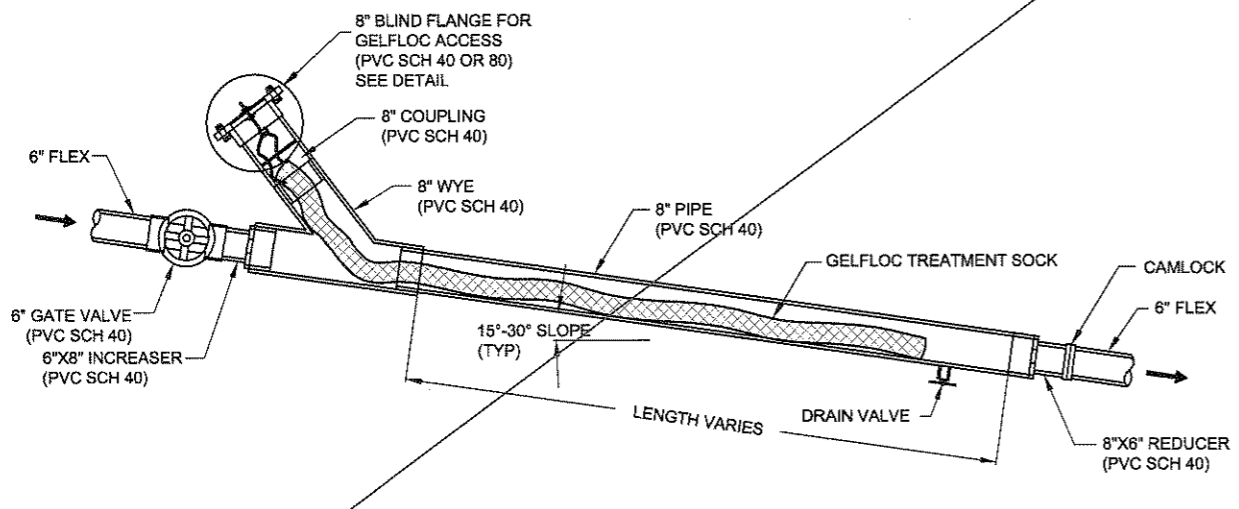
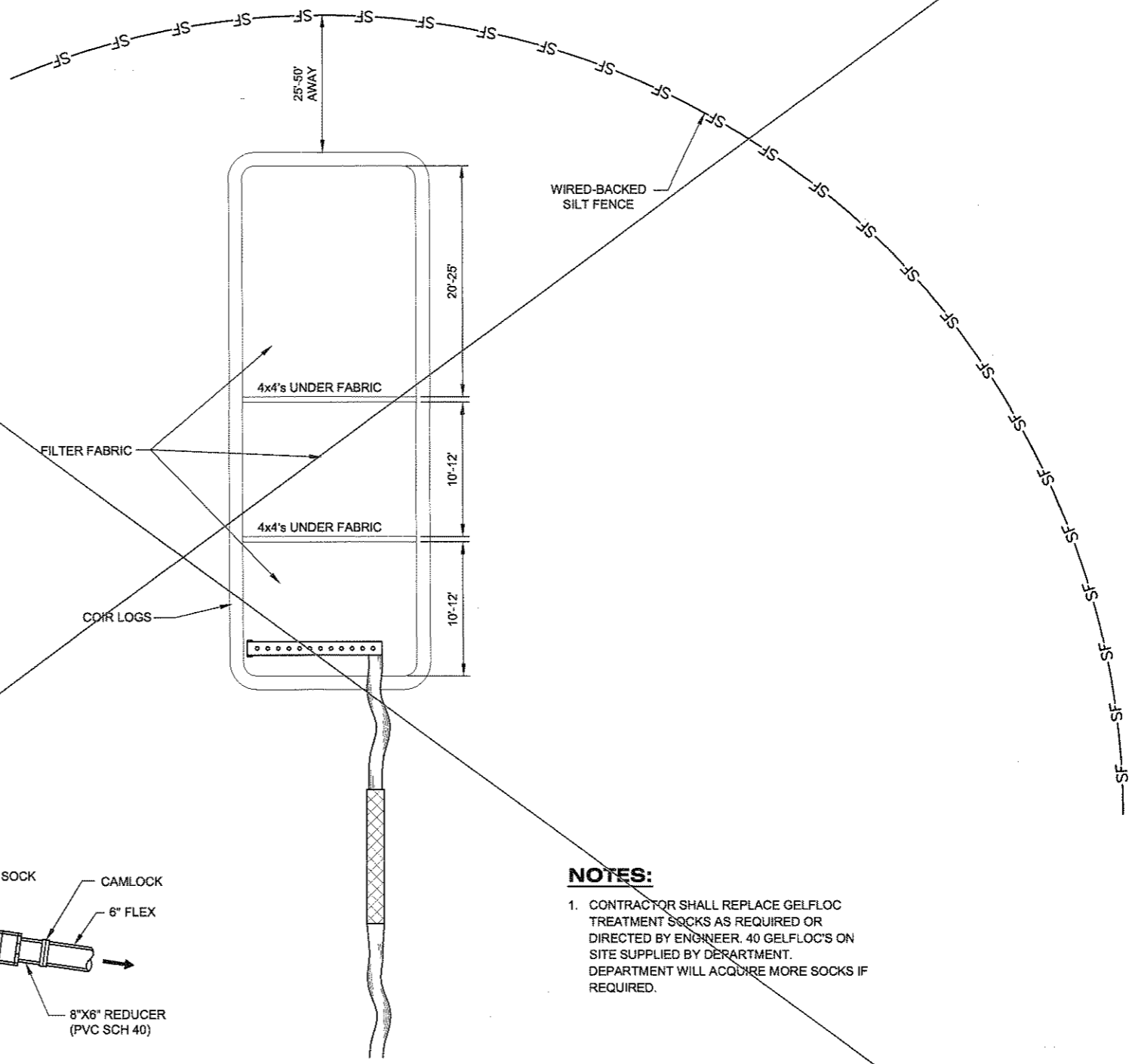
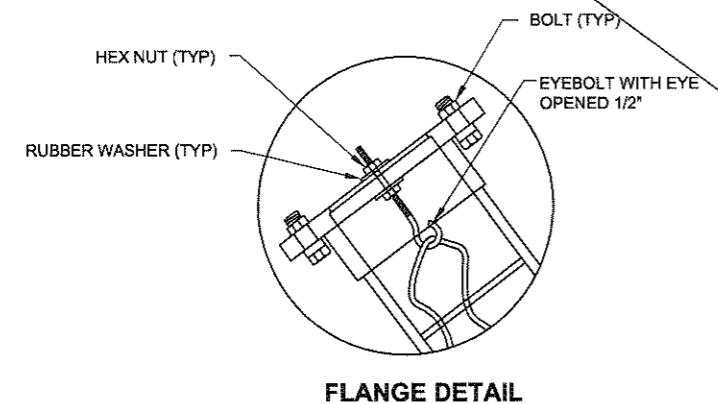
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

PETERSBURG
AIRPORT
RUNWAY SAFETY
AREA IMPROVEMENTS
(PHASE II)

EROSION & SEDIMENT CONTROL DETAILS

PROJECT DESIGNATIONS
ALASKA - DOT & PF
68329
FEDERAL - FAA
AIP NO. 3-02-0219-1209

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
K6	27



NOTES:

1. CONTRACTOR SHALL REPLACE GELFLOC TREATMENT SOCKS AS REQUIRED OR DIRECTED BY ENGINEER. 40 GELFLOC'S ON SITE SUPPLIED BY DEPARTMENT. DEPARTMENT WILL ACQUIRE MORE SOCKS IF REQUIRED.

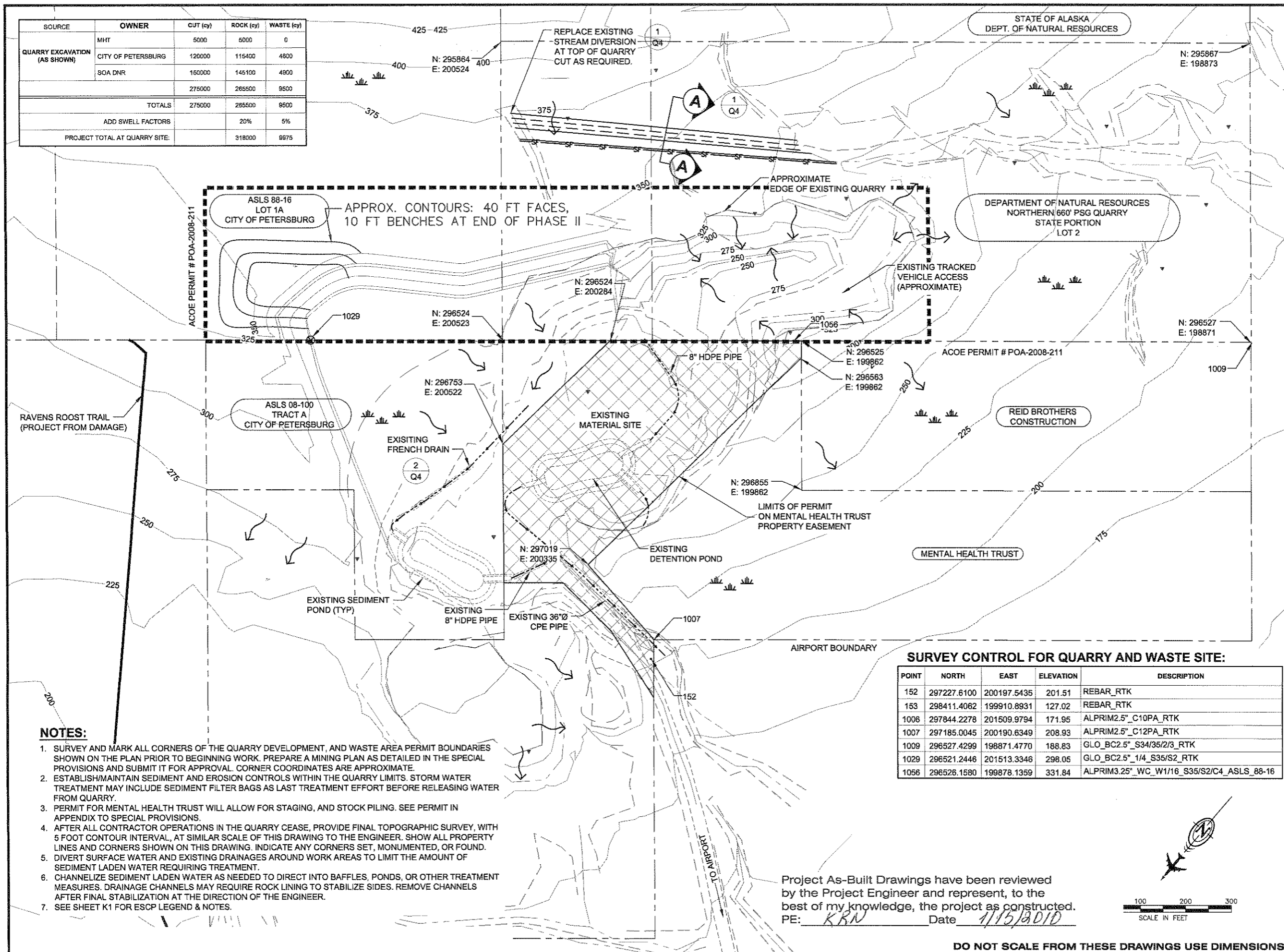
1
K6 8" GELFLOC UNIT DETAIL
N.T.S.

2
K6 GELFLOC TRAP, POND DIMENSIONS
N.T.S.

Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
PE KRW Date AD 1/15/2010

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

SOURCE	OWNER	CUT (cy)	ROCK (cy)	WASTE (cy)
QUARRY EXCAVATION (AS SHOWN)	MHT	5000	5000	0
	CITY OF PETERSBURG	120000	115400	4800
	SOA DNR	150000	145100	4900
		275000	265500	9500
TOTALS		275000	265500	9500
ADD SWELL FACTORS			20%	5%
PROJECT TOTAL AT QUARRY SITE:			318000	9975



PATH:
H:\Documents\As-Built\PSG RSA Phil\DWG\88-201 0
Thu, 14/Jan/10 09:55AM krnovikova
TAB: Layout1

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

**PETERSBURG AIRPORT
RUNWAY SAFETY AREA IMPROVEMENTS
(PHASE II)**

MINING & WASTE SITE PLAN

PREPARED BY: USKH INC.
CHECKED BY: EJC



DESIGNED BY: PLM
DRAWN BY: KEB

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

**PETERSBURG
AIRPORT
RUNWAY SAFETY
AREA IMPROVEMENTS
(PHASE II)**

**MINING & WASTE
SITE PLAN**

PROJECT DESIGNATIONS
**ALASKA - DOT & PF
68329
FEDERAL - FAA
AIP NO. 3-02-0219-1209**

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
Q1	27

NOTES:

- SURVEY AND MARK ALL CORNERS OF THE QUARRY DEVELOPMENT, AND WASTE AREA PERMIT BOUNDARIES SHOWN ON THE PLAN PRIOR TO BEGINNING WORK. PREPARE A MINING PLAN AS DETAILED IN THE SPECIAL PROVISIONS AND SUBMIT IT FOR APPROVAL. CORNER COORDINATES ARE APPROXIMATE.
- ESTABLISH/MAINTAIN SEDIMENT AND EROSION CONTROLS WITHIN THE QUARRY LIMITS. STORM WATER TREATMENT MAY INCLUDE SEDIMENT FILTER BAGS AS LAST TREATMENT EFFORT BEFORE RELEASING WATER FROM QUARRY.
- PERMIT FOR MENTAL HEALTH TRUST WILL ALLOW FOR STAGING, AND STOCK PILING. SEE PERMIT IN APPENDIX TO SPECIAL PROVISIONS.
- AFTER ALL CONTRACTOR OPERATIONS IN THE QUARRY CEASE, PROVIDE FINAL TOPOGRAPHIC SURVEY, WITH 5 FOOT CONTOUR INTERVAL, AT SIMILAR SCALE OF THIS DRAWING TO THE ENGINEER. SHOW ALL PROPERTY LINES AND CORNERS SHOWN ON THIS DRAWING. INDICATE ANY CORNERS SET, MONUMENTED, OR FOUND.
- DIVERT SURFACE WATER AND EXISTING DRAINAGES AROUND WORK AREAS TO LIMIT THE AMOUNT OF SEDIMENT LADEN WATER REQUIRING TREATMENT.
- CHANNELIZE SEDIMENT LADEN WATER AS NEEDED TO DIRECT INTO BAFFLES, PONDS, OR OTHER TREATMENT MEASURES. DRAINAGE CHANNELS MAY REQUIRE ROCK LINING TO STABILIZE SIDES. REMOVE CHANNELS AFTER FINAL STABILIZATION AT THE DIRECTION OF THE ENGINEER.
- SEE SHEET K1 FOR ESCP LEGEND & NOTES.

SURVEY CONTROL FOR QUARRY AND WASTE SITE:

POINT	NORTH	EAST	ELEVATION	DESCRIPTION
152	297227.6100	200197.5435	201.51	REBAR_RTK
153	298411.4062	199910.8931	127.02	REBAR_RTK
1006	297844.2278	201509.9794	171.95	ALPRIM2.5" C10PA_RTK
1007	297185.0045	200190.6349	208.93	ALPRIM2.5" C12PA_RTK
1009	296527.4299	198871.4770	188.83	GLO_BC2.5" S34/35/2/3_RTK
1029	296521.2446	201513.3346	298.05	GLO_BC2.5" 1/4_S35/S2_RTK
1056	296526.1580	199878.1359	331.84	ALPRIM3.25" WC_W1/16_S35/S2/C4_ASLS_88-16

Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
PE: KRN Date 1/15/2010

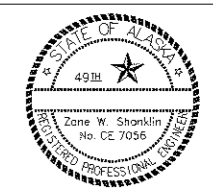


DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

**PETERSBURG AIRPORT
 RUNWAY SAFETY AREA IMPROVEMENTS
 (PHASE II)**

MINING & WASTE SITE PLAN

PREPARED BY: USKH INC.
 CHECKED BY: EUG



DESIGNED BY: PLM
 DRAWN BY: KEB

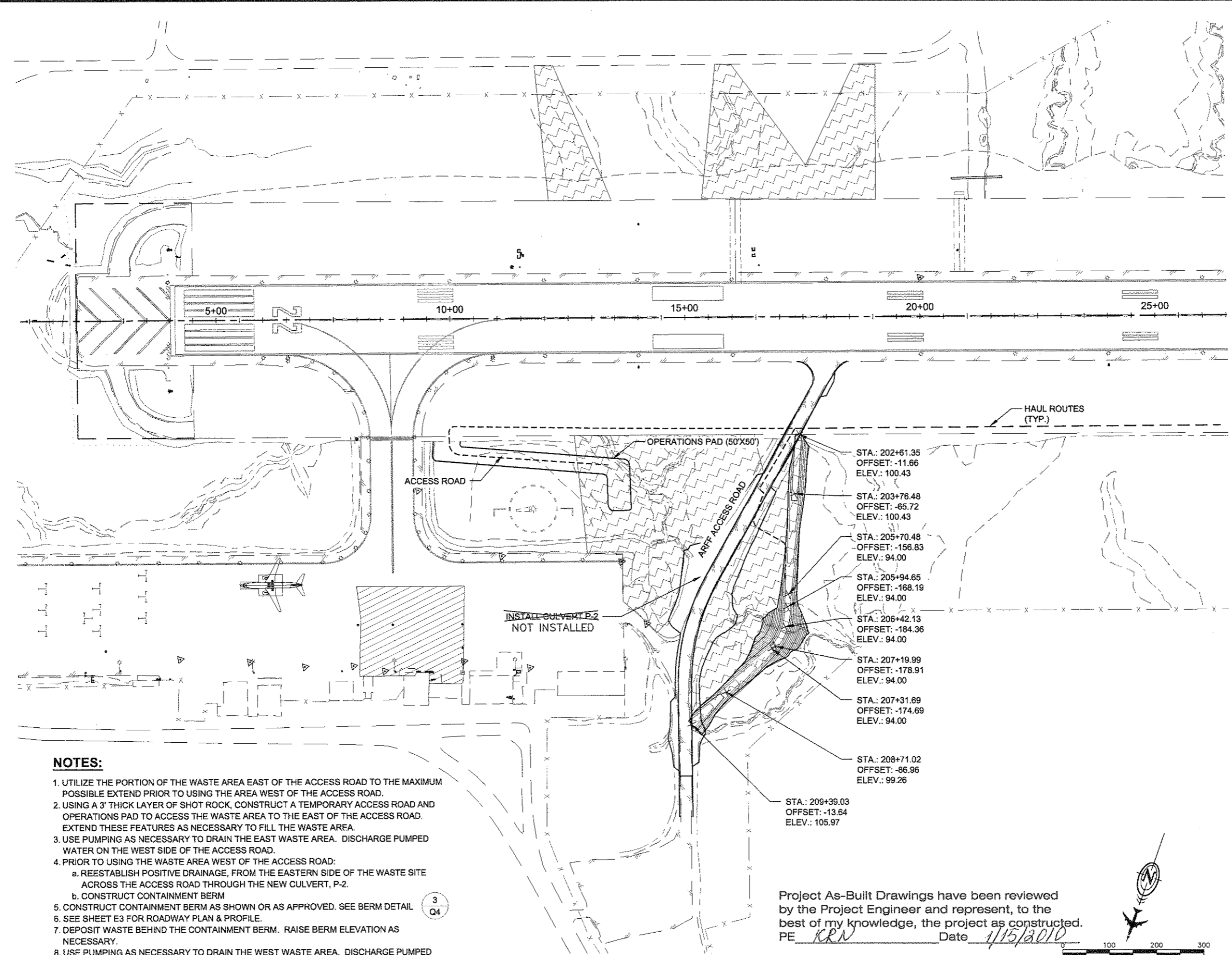
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

**PETERSBURG
 AIRPORT
 RUNWAY SAFETY
 AREA IMPROVEMENTS
 (PHASE II)**

**MINING & WASTE
 SITE PLAN**

PROJECT DESIGNATIONS
 ALASKA - DOT & PF
 68329
 FEDERAL - FAA
 AIP NO. 3-02-0219-1209

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
Q2	27

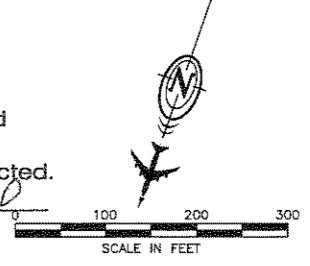


NOTES:

- UTILIZE THE PORTION OF THE WASTE AREA EAST OF THE ACCESS ROAD TO THE MAXIMUM POSSIBLE EXTEND PRIOR TO USING THE AREA WEST OF THE ACCESS ROAD.
- USING A 3' THICK LAYER OF SHOT ROCK, CONSTRUCT A TEMPORARY ACCESS ROAD AND OPERATIONS PAD TO ACCESS THE WASTE AREA TO THE EAST OF THE ACCESS ROAD. EXTEND THESE FEATURES AS NECESSARY TO FILL THE WASTE AREA.
- USE PUMPING AS NECESSARY TO DRAIN THE EAST WASTE AREA. DISCHARGE PUMPED WATER ON THE WEST SIDE OF THE ACCESS ROAD.
- PRIOR TO USING THE WASTE AREA WEST OF THE ACCESS ROAD:
 - REESTABLISH POSITIVE DRAINAGE, FROM THE EASTERN SIDE OF THE WASTE SITE ACROSS THE ACCESS ROAD THROUGH THE NEW CULVERT, P-2.
 - CONSTRUCT CONTAINMENT BERM
- CONSTRUCT CONTAINMENT BERM AS SHOWN OR AS APPROVED. SEE BERM DETAIL
- SEE SHEET E3 FOR ROADWAY PLAN & PROFILE.
- DEPOSIT WASTE BEHIND THE CONTAINMENT BERM. RAISE BERM ELEVATION AS NECESSARY.
- USE PUMPING AS NECESSARY TO DRAIN THE WEST WASTE AREA. DISCHARGE PUMPED WATER WEST OF THE CONTAINMENT BERM THROUGH A SEDIMENT BAG.

3
Q4

Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
 PE KRN Date 1/15/2010



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PETERSBURG AIRPORT
 RUNWAY SAFETY AREA IMPROVEMENTS
 (PHASE II)

MINING & WASTE SITE PLAN

PREPARED BY: USKH INC.

CHECKED BY: EJK



DESIGNED BY: PLM

DRAWN BY: KEB

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

PETERSBURG
 AIRPORT
 RUNWAY SAFETY
 AREA IMPROVEMENTS
 (PHASE II)

MINING & WASTE
 SITE PLAN

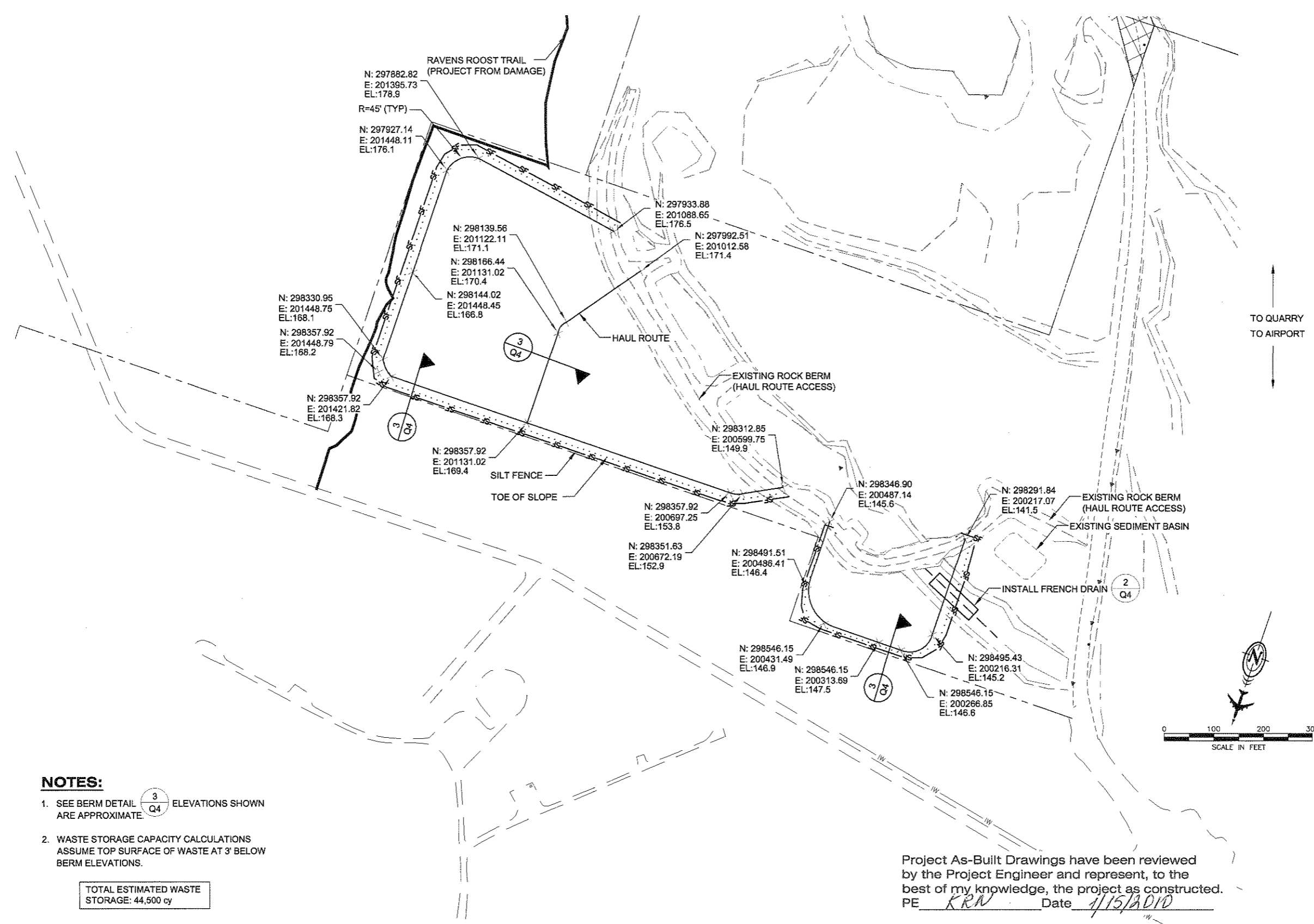
PROJECT DESIGNATIONS

ALASKA - DOT & PF
 68329

FEDERAL - FAA
 AIP NO. 3-02-0219-1209

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
Q3	27



NOTES:

- SEE BERM DETAIL ³/_{Q4} ELEVATIONS SHOWN ARE APPROXIMATE.
- WASTE STORAGE CAPACITY CALCULATIONS ASSUME TOP SURFACE OF WASTE AT 3' BELOW BERM ELEVATIONS.

TOTAL ESTIMATED WASTE STORAGE: 44,500 cy

Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
 PE KRN Date 1/15/2010

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PETERSBURG AIRPORT
 RUNWAY SAFETY AREA IMPROVEMENTS
 (PHASE II)

MINING & WASTE DETAILS

PREPARED BY: USKH INC.
 CHECKED BY: EUG



DESIGNED BY: PLM
 DRAWN BY: KEB

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
**PETERSBURG
 AIRPORT
 RUNWAY SAFETY
 AREA IMPROVEMENTS
 (PHASE II)**

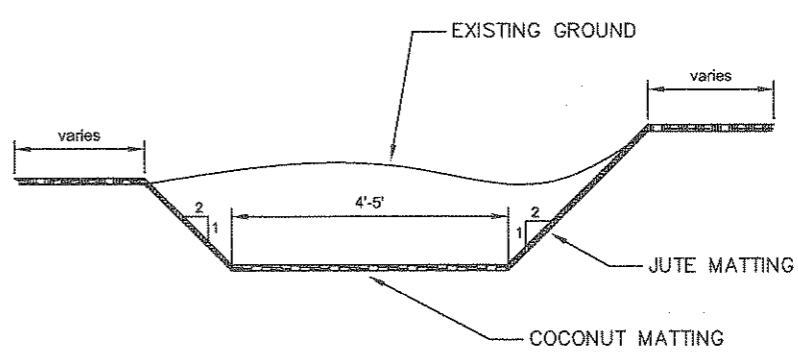
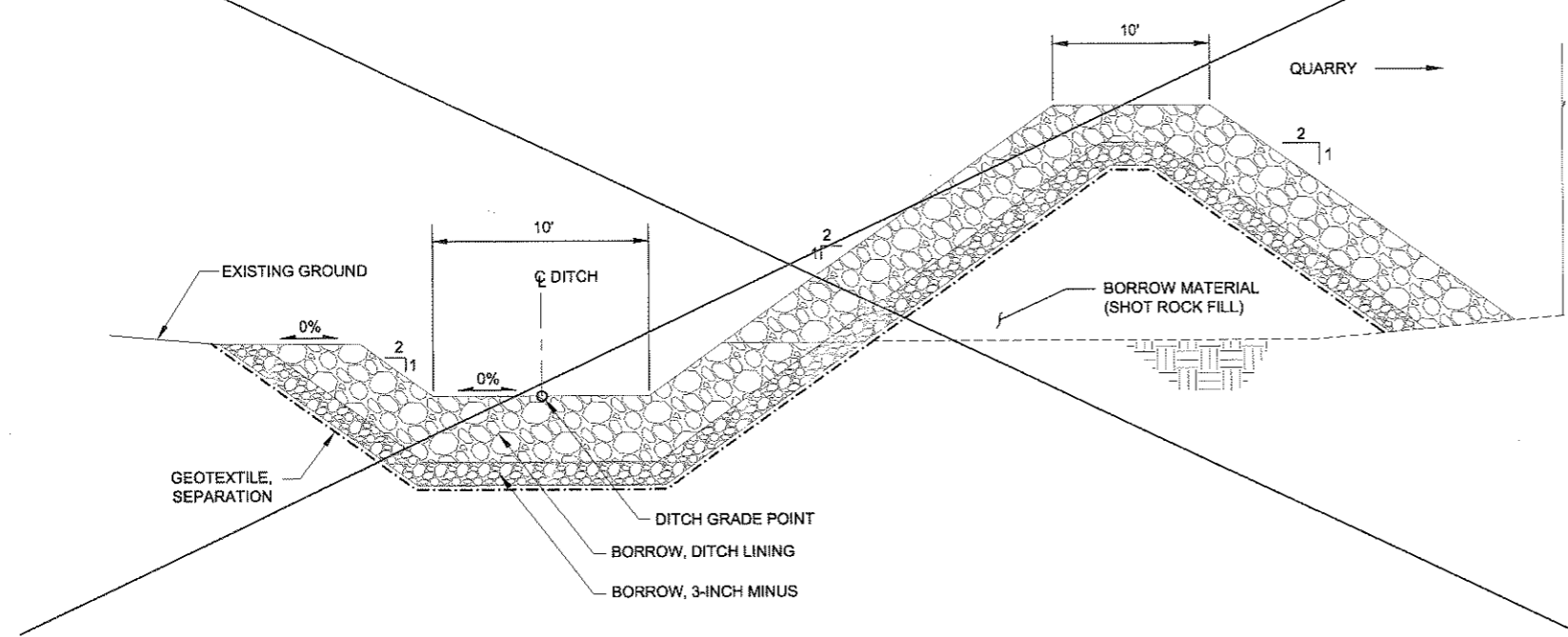
**MINING & WASTE
 DETAILS**

PROJECT DESIGNATIONS
**ALASKA - DOT & PF
 68329
 FEDERAL - FAA
 AIP NO. 3-02-0219-1209**

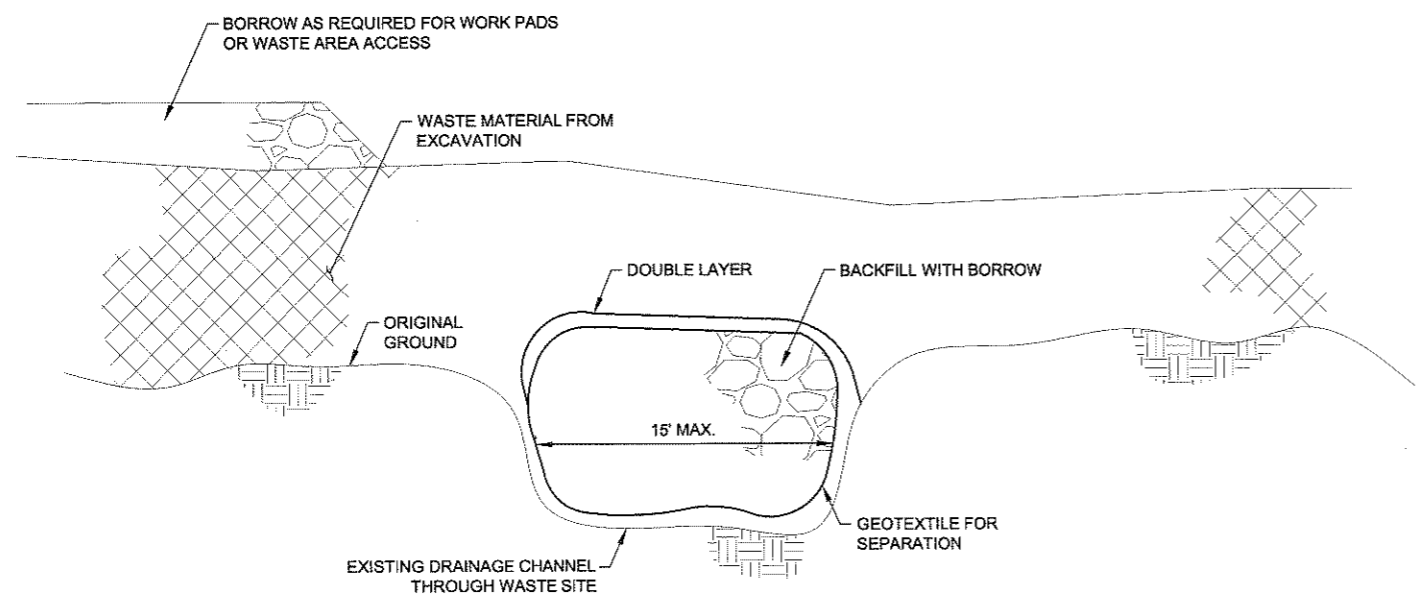
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
Q4	27

DESIGN MODIFIED

ACTUAL DIVERSION DITCH SECTION

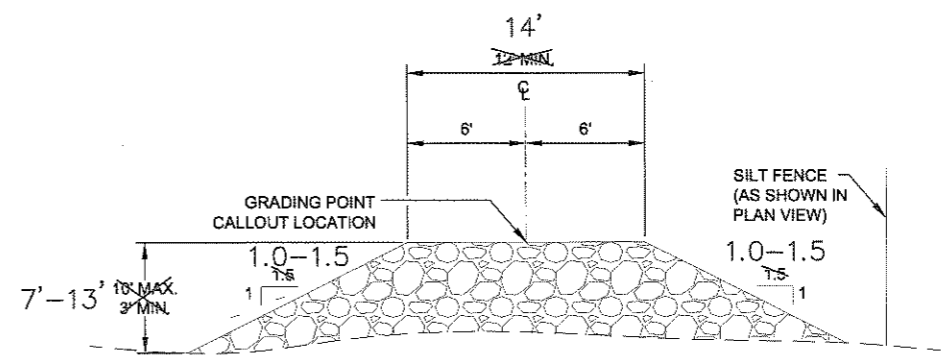


1 DIVERSION DITCH DETAIL
 Q4 N.T.S.



2 FRENCH DRAIN DETAIL
 Q4 N.T.S.

Project As-Built Drawings have been reviewed by the Project Engineer and represent, to the best of my knowledge, the project as constructed.
 PE KRN Date 1/15/2010



3 BERM DETAIL
 Q4 N.T.S.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS