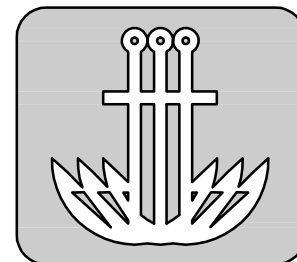


CONTRACT NO. 4403-4-C19

PORT OF ANCHORAGE

TOFC YARD PHASES I & II

Final Design of Phases 1 thru 5
Construction of Phases 1 thru 5



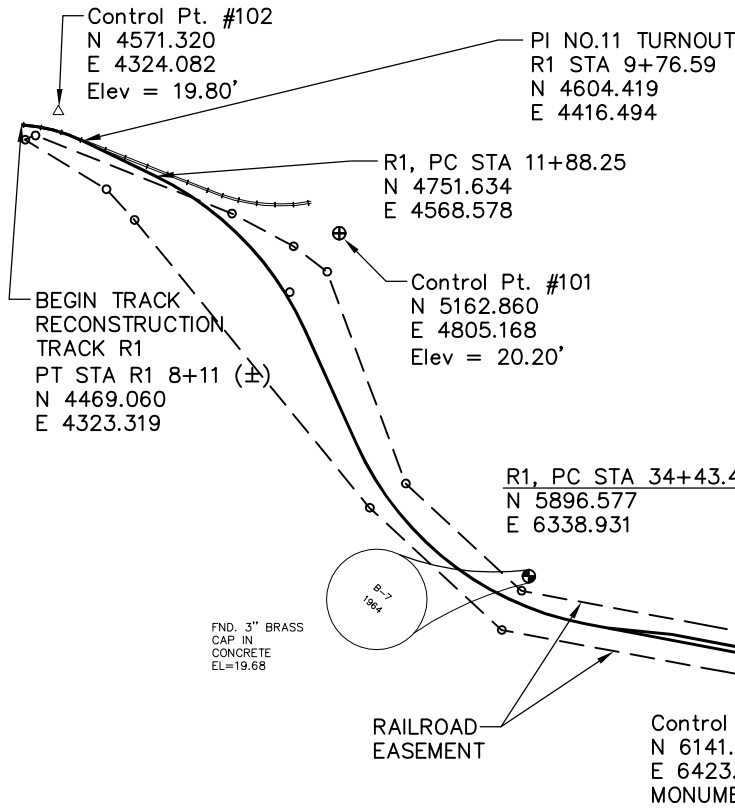
Anchorage Port
Expansion Team

PHASE 1 thru 5 DRAWINGS - CD
May 11, 2005

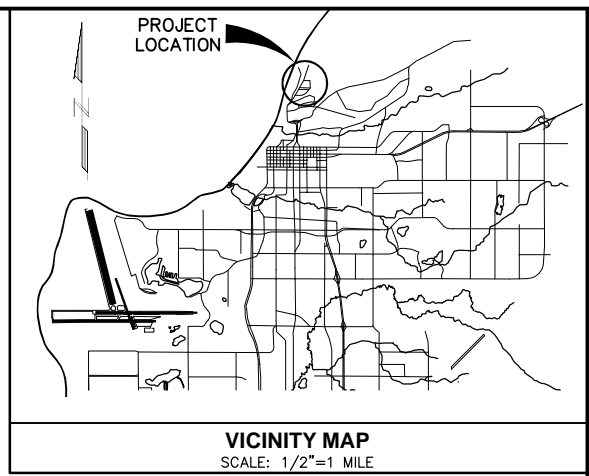
RECORD DRAWING
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ACCURACY OF THIS INFORMATION AND
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By EDK Date 12/28/2005

PRUHS
USKH

DRAWING NAME: I:\840900\Drawings\CasBuilt\Sheets\84090102.dwg PLOTTED: Aug 07, 2006 - 1:30pm



RECORD DRAWING
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 By EDK Date 12/18/2005



SURVEY CONTROL

DESCRIPTION	QUANTITY	SIGN NUMBER	DIMENSION	REMARKS
ONE WAY	1	R6-1(R)	36"x12"	SECURITY ROAD
SPEED - 10 MPH	1	R2-1	24"x30"	SECURITY ROAD
SPEED - 30 MPH	1	R2-1	24"x30"	TERMINAL ROAD
STOP	1	R1-1	30"x30"	SECURITY ROAD TERMINAL ROAD
RAILROAD CROSSING	3	R15-1	48"x9"	PER PLANS
DO NOT ENTER	1	R5-1	30"x30"	SECURITY ROAD
RESERVED PARKING (W/ HANDICAP SYMBOL)	1	R7-8RL	12"x18"	SECURITY PARKING

RFP SHEET INDEX:

SHT. NO.	DESCRIPTION
RFP1.1	NORTH END YARD YARD GRADING PLAN
RFP1.2	NORTH END YARD YARD 18" STORM DRAIN PLAN AND PROFILE
RFP1.3	NORTH END YARD YARD ACCESS RAMPS
RFP1.4	NORTH END YARD YARD EARTHWORK SECTIONS
RFP1.5	NORTH END YARD YARD EARTHWORK SECTIONS
RFP1.6	NORTH END YARD LIGHTING PLAN
RFP1.7	NORTH END YARD LIGHTING PLAN
RFP3.1	DFSP-A EARTHWORK FILL & GRADING PLAN
RFP3.1A	DFSP-A EARTHWORK FILL ASBUILT 9/20/05
RFP3.2	DFSP-A EARTHWORK TYPICAL SECTION & DETAILS
RFP3.3	DFSP-A EARTHWORK SECTIONS
RFP3.4	DFSP-A EARTHWORK SECTIONS
RFP5.1	SITE PLAN
RFP5.2	SECURITY ROAD PLAN & PROFILE
RFP5.3	24" STORM DRAIN STA. 6+86.70 TO STA. 16+41.00
RFP5.4	24" STORM DRAIN STA. 16+41.00 TO STA. 23+35.26
RFP5.5	18" STORM DRAIN SOUTH END OF YARD
RFP5.6	18" STORM DRAIN IN SOUTH END YARD
RFP5.7	BERM REMOVAL
RFP5.8	SECURITY ROAD STRIPING PLAN AND TYPICAL SECTIONS
RFP5.9	LEGEND, PANEL SCHEDULE, AND ELECTROLIER INFORMATION
RFP5.10	SITE LIGHTING DEMO PLAN
RFP5.11	SITE LIGHTING PLAN

SHEET INDEX:

SHT. NO.	DESCRIPTION
T1	COVER SHEET
T2	CONTROL, VICINITY MAP, NOTES, LEGEND & SHEET INDEX
T3	TRAFFIC CONTROL PLAN
T4	TRAFFIC CONTROL PLAN
RR1	RAILROAD LAYOUT PLAN
RR2	R0 - TRACK PLAN AND PROFILE
RR3	R1 - TRACK PLAN AND PROFILE
RR4	R1 - TRACK PLAN AND PROFILE
RR5	R1 - TRACK PLAN AND PROFILE
RR6	R1 - TRACK PLAN AND PROFILE
RR7	R1 - TRACK PLAN AND PROFILE
RR8	R1 - TRACK PLAN AND PROFILE
RR9	R2 - TRACK PLAN AND PROFILE
RR10	R2 - TRACK PLAN AND PROFILE
RR11	R2 - TRACK PLAN AND PROFILE
RR12	R2 - TRACK PLAN AND PROFILE
RR13	TRACK - TYPICAL SECTIONS AND DETAILS
RR14	RAILROAD TRACK/PAVEMENT DETAIL
RR15	TRACK - TYPICAL SECTIONS
RR16	TRACK - TYPICAL SECTIONS
RR17	R1 & R2 TRACK ASBUILT ELEVATIONS
C18	18" STORM DRAIN PLAN AND PROFILE
C19	18" STORM DRAIN PLAN AND PROFILE
C20	18" STORM DRAIN PLAN AND PROFILE
C21	48" STORM DRAIN PLAN AND PROFILE
C22	SETTLING BASIN PLAN & SECTION
C23	STORM DRAIN TYPICAL SECTIONS AND DETAILS
C23A	STORM DRAIN WEIR MODIFICATIONS
C24	WATER LINE RELOCATION, MAPS, AND NOTES
C25	WATER LINE PLAN AND PROFILE
C26	YARD GRADING PLAN
C27	YARD GRADING PLAN
C28	YARD GRADING PLAN
C29	TYPICAL SECTIONS AND DETAILS
C30	TYPICAL SECTIONS AND DETAILS
C31	TYPICAL SECTIONS AND DETAILS
C32	TYPICAL SECTIONS AND DETAILS
C33	CROSS SECTIONS - RAIL
C34	CROSS SECTIONS - RAIL
C35	CROSS SECTIONS - RAIL
C36	CROSS SECTIONS - RAIL
C37	TERMINAL ROAD PLAN & PROFILE
C38	TERMINAL ROAD PLAN & PROFILE
C39	TERMINAL ROAD INTERSECTION DETAIL & STRIPING PLAN
C40	FUEL LINE CROSSING DETAILS
C41	TEMPORARY RAIL CROSSING DETAILS
E1	ELECTRICAL LEGEND, GENERAL NOTES, & ABBREVIATIONS
E2	ELECTRICAL DETAILS

VERTICAL CONTROL

MUNICIPALITY OF ANCHORAGE BENCH MARKS:
 BASED UPON THE MUNICIPALITY OF ANCHORAGE 1972 ADJUSTMENT
 TIDAL 15 RESET ELEV=19.97 FT
 A 3" BRASS CAP MONUMENT AT THE PORT OF ANCHORAGE BUILDING. 12.08 FT. NORTH & 10.42 FT. WEST OF THE N.E. CORNER OF SAID BUILDING. MONUMENT IS 9.42 FT. EAST OF THE EAST EDGE OF A 3.5 FT. HIGH CONCRETE PLATFORM WHICH IS ATTACHED TO THE NORTHERN END OF SAID BUILDING.

B75 ELEV=19.68 FT
 A 3" BRASS CAP MONUMENT AT THE PORT OF ANCHORAGE BUILDING. 81.0 FT. SOUTHEAST OF THE SOUTHEAST CORNER OF THE BUILDING. 32.0 FT. EAST OF THE CENTERLINE OF A CONCRETE BRIDGE AND APPROACH TO A DOCK. 5.5 FT. WEST OF A FIRE HYDRANT. 29.5 FT. SOUTHWEST OF A SMALL STEEL TOWER. 1.0 FT. NORTH OF CONCRETE CURBING SUPPORTING A PIPE RAILING AT A SLIGHT ANGLE IN THE CURBING OF THE DOCK. B.C. IS IN THE TOP OF THE SOUTH EDGE OF THE DOCK.

BOUNDARY

U.S. AIR FORCE - ELMENDORF AIR FORCE BASE RAIL SPUR & ACCESS EASEMENT. THE WESTERN BOUNDARY OF THE EASEMENT APPEARS TO FIT THE EASTERN BOUNDARY OF THE PORT OF ANCHORAGE (+/- 0.25 FT.). THE EASEMENT AS SHOWN HEREON REFLECTS THE BEARINGS & DISTANCES PROVIDED BY THE POA. NO BOUNDARY SURVEY WAS COMPLETED THIS SURVEY.

PORT OF ANCHORAGE - RAILROAD & ACCESS EASEMENT. THE EASEMENT AS WRITTEN DOES NOT AGREE WITH RECOVERED MONUMENTS. THE EASEMENT AS SHOWN ON THIS DRAWING HAS BEEN ROTATED & ADJUSTED TO FIT THE FEW MONUMENTS RECOVERED IN THE LOCATION OF THIS EASEMENT. DISCREPANCIES OF +/- 7 FT. HAVE BEEN DETERMINED.

MOA GRIDS:
 931, 1030, & 1031

SURVEYED LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	ROADS (PAVED)		PRIMARY MONUMENT RECOVERED		FIRE HYDRANT
	ROADS (UNPAVED)		FOUND MONUMENT		UTILITY POLE
	BOUNDARY LINE		COMPUTED POINT (NOTHING SET THIS SURVEY)		LIGHT POLE
	CENTER LINE		DITCH FLOW LINE		OVERHEAD POWER & TELEPHONE
	RAILROAD TRACKS		GUARDRAIL		CONCRETE WALL
	8' CHAIN LINK FENCE		5' CONTOURS		BUILDING STRUCTURE
	SW TEST PIT		1' CONTOURS		MONITORING WELL
			SDMH STORM DRAIN MANHOLE		SIGN POST

NON-SURVEYED LEGEND (PROVIDED BY THE PORT OF ANCHORAGE, 2004)

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	STRUCTURES		WATER LINE		SANITARY SEWER MANHOLE
	ROADS		SANITARY SEWER LINE		STORM DRAIN MANHOLE
	PROPERTY LINE		STORM DRAIN LINE		WETLANDS
	GUARDRAIL		NATURAL GAS LINE		GOLDER TEST HOLE
	TREELINE		PETROLEUM/OIL LINE (POL)		
	WATER VALVE		TELEPHONE PEDESTAL		

REV.	DATE	BY	REVISIONS	NO.	BASIS OF VERTICAL CONTROL	ELEV.	FIELD BOOKS	SCALE	DATA	DESIGN: EDK	DRAWN: GIS,SMT	CHECKED: EDK	DATE STAMPED: AUGUST 5, 2005
1	11/04/05	EDK	ADDED ASBUILT INFORMATION		SEE NOTES ABOVE		FIELD BOOKS	HOR.	DESIGN: EDK				
2	06/03/05	EDK	ADDED RFP SHEET INDEX				ASBUILT:	VER.	DRAWN: GIS,SMT				

USKH
 ANCHORAGE • WASILLA • JUNEAU • FAIRBANKS
 2515 'A' Street • Anchorage, Alaska 99503
 Phone (907) 276-4245 FAX (907) 258-4653

Anchorage Port Expansion Team
 2000 Anchorage Port Rd.
 Anchorage, Alaska 99501
 OWNER:

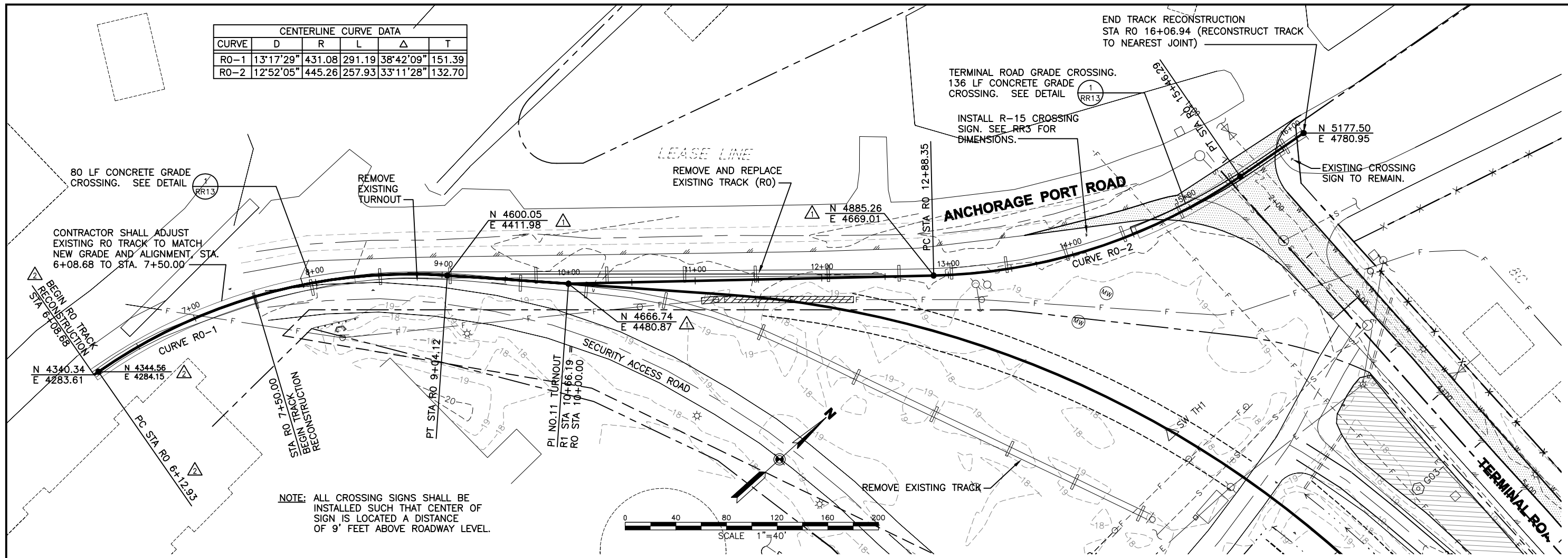
PORT OF ANCHORAGE
 TOFC YARD PHASES I & II

CONTROL, VICINITY MAP, NOTES,
 LEGEND & SHEET INDEX

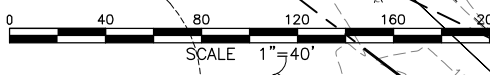
SHEET NO.
T2

W.O. NO. 840900

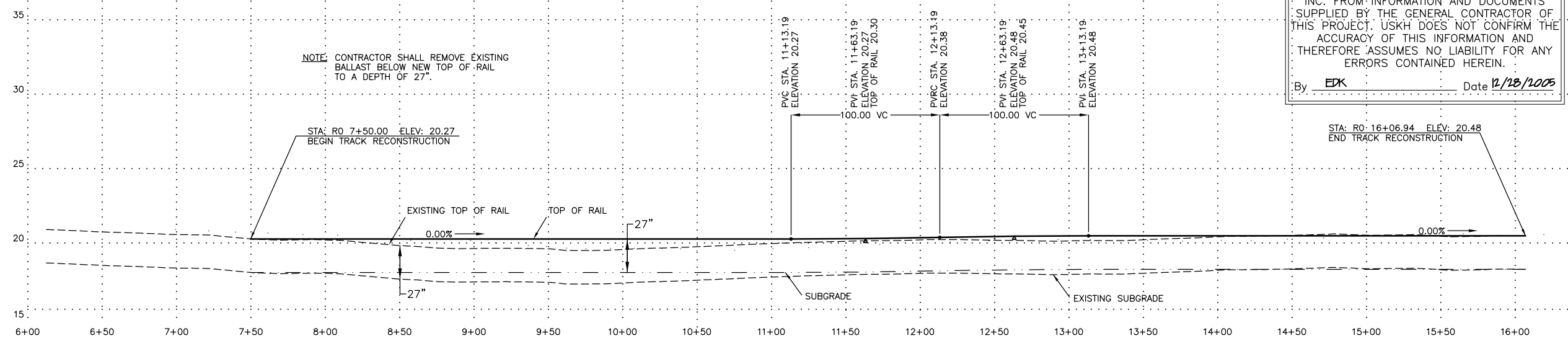
CENTERLINE CURVE DATA					
CURVE	D	R	L	Δ	T
RO-1	13°17'29"	431.08	291.19	58°42'09"	151.39
RO-2	12°52'05"	445.26	257.93	33°11'28"	132.70



NOTE: ALL CROSSING SIGNS SHALL BE INSTALLED SUCH THAT CENTER OF SIGN IS LOCATED A DISTANCE OF 9' FEET ABOVE ROADWAY LEVEL.



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 By: **EPK** Date: **12/18/2005**



PROFILE TRACK RO
 SCALE: 1"=40' HOR. 1"=4' VERT.

REISSUED FOR CONSTRUCTION 5/24/05

DRAWING NAME: I:\840900\Draws\CasBuilt\Sheets\8409RR02.dwg PLOTTED: Aug 07, 2006 - 1:30pm

REV.	DATE	BY	REVISIONS
2	5/27/05		REV. BEGIN & PC STATION AND COORDINATES
1	5/24/05		ADDED COORDINATES AT PC, PT AND TO

RVP
 Ronald V Perrone, Inc.
 4512 Browns Point Blvd. NE
 Tacoma, WA 98422
 (253) 927-2988

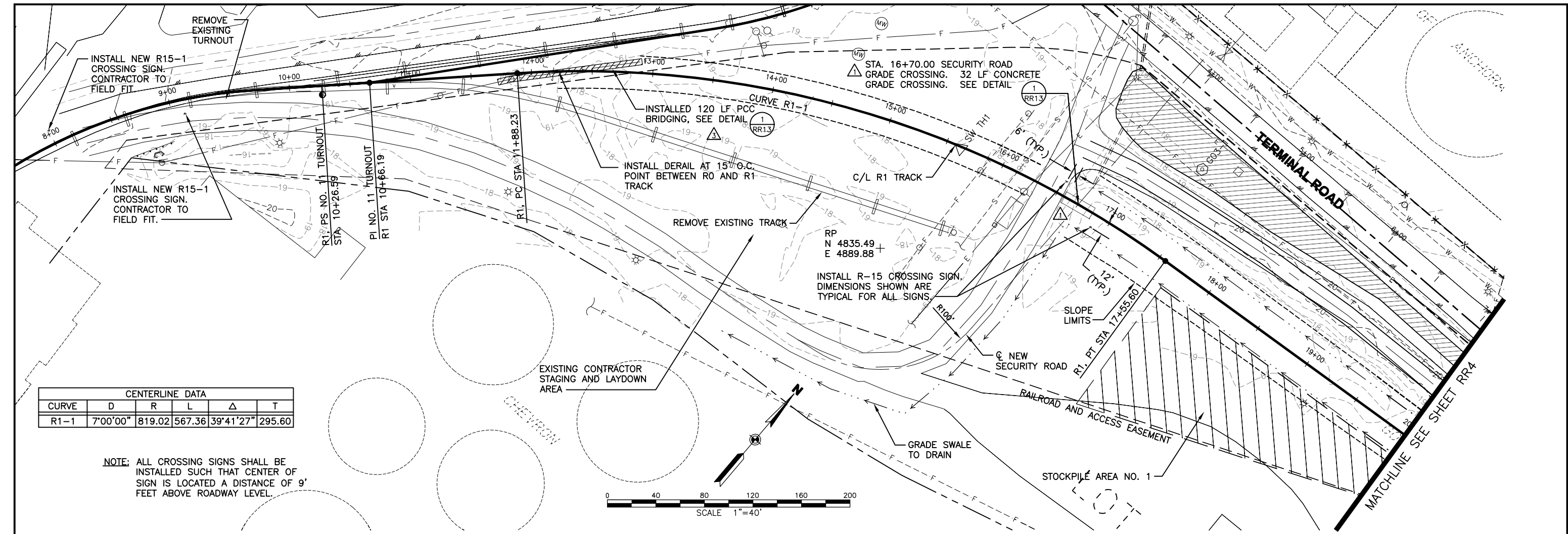
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DESIGN/TOPO:	HOR.	DESIGN: RVP
STAKING:	VER.	DRAWN: SMT
ASBUILT:	GRID	CHECKED: EDK
FIELD BOOKS		DATE STAMPED: MAY 11, 2005

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 Phone (907) 276-4245 FAX (907) 258-4653

Anchorage Port Expansion Team
 2000 Anchorage Port Rd.
 Anchorage, Alaska 99501
 OWNER:

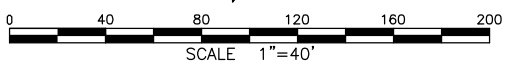
PORT OF ANCHORAGE
 TOFC YARD PHASES I & II
 RO TRACK PLAN AND PROFILE
 STA. 7+50.00 TO STA. 16+06.94

SHEET NO.
RR2
 W.O. NO. 840900

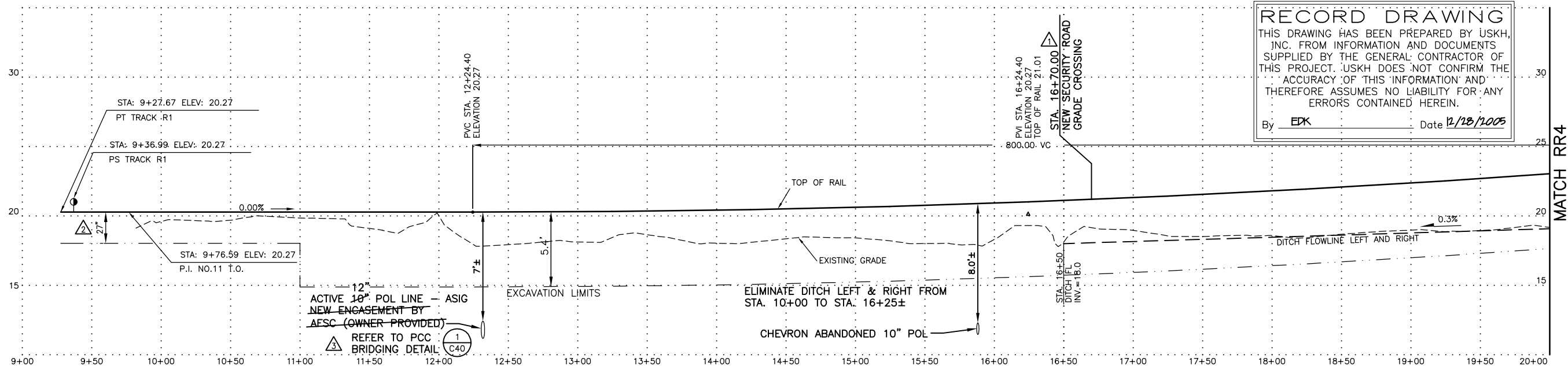


CENTERLINE DATA					
CURVE	D	R	L	Δ	T
R1-1	7°00'00"	819.02	567.36	39°41'27"	295.60

NOTE: ALL CROSSING SIGNS SHALL BE INSTALLED SUCH THAT CENTER OF SIGN IS LOCATED A DISTANCE OF 9' FEET ABOVE ROADWAY LEVEL.



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 By: EDK Date: 12/28/2005



PROFILE TRACK R1
 SCALE: 1"=40' HOR. 1"=4' VERT.

REISSUED FOR CONSTRUCTION 5/19/05

DRAWING NAME: I:\840900\Draws\CAsBuilt\Draws\8409RR03.dwg PLOTTED: Aug 07, 2006 - 1:30pm

REV.	DATE	BY	REVISIONS
1	5/19/05	RVP	REVISED SECURITY ROAD CROSSING LOCATION
2	6/03/05	RVP	REVISED EXCAVATION LIMIT PER RR2
3	11/04/05	EDK	ADDED ASBUILT INFORMATION

RVP
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 Tacoma, WA 98422
 (253) 927-2988

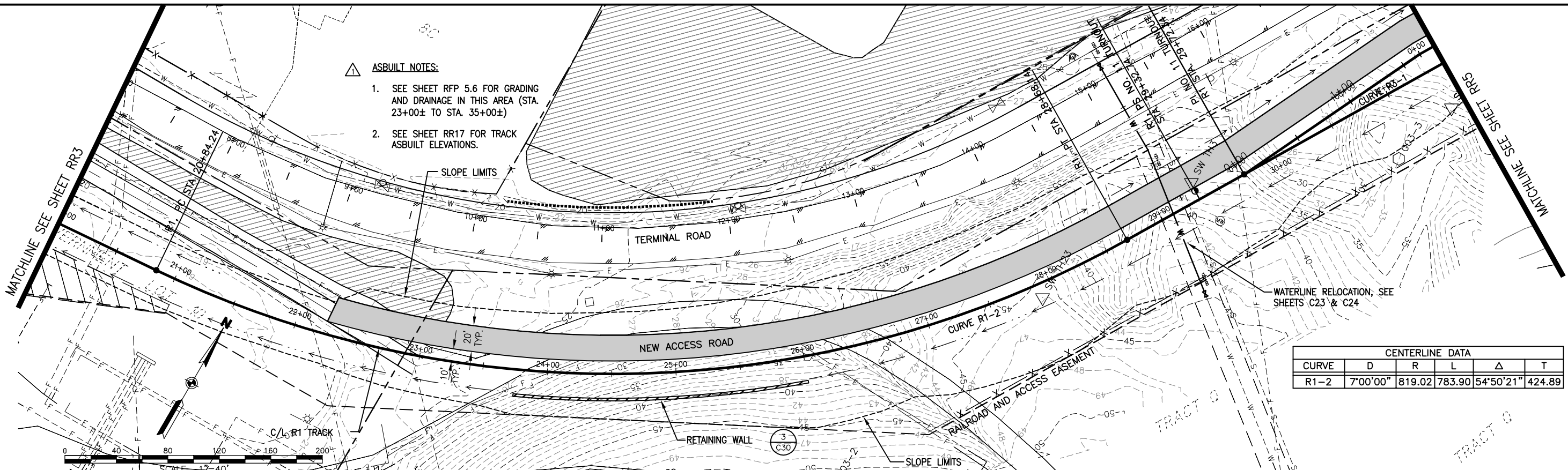
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DESIGN/TOPO:	HOR.	DESIGN: RVP
STAKING:	VER.	DRAWN: SMT
ASBUILT:	GRID	CHECKED: EDK
FIELD BOOKS	DATA	DATE STAMPED: MAY 11, 2005

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Anchorage Port Expansion Team
 2000 Anchorage Port Rd.
 Anchorage, Alaska 99501
 OWNER:

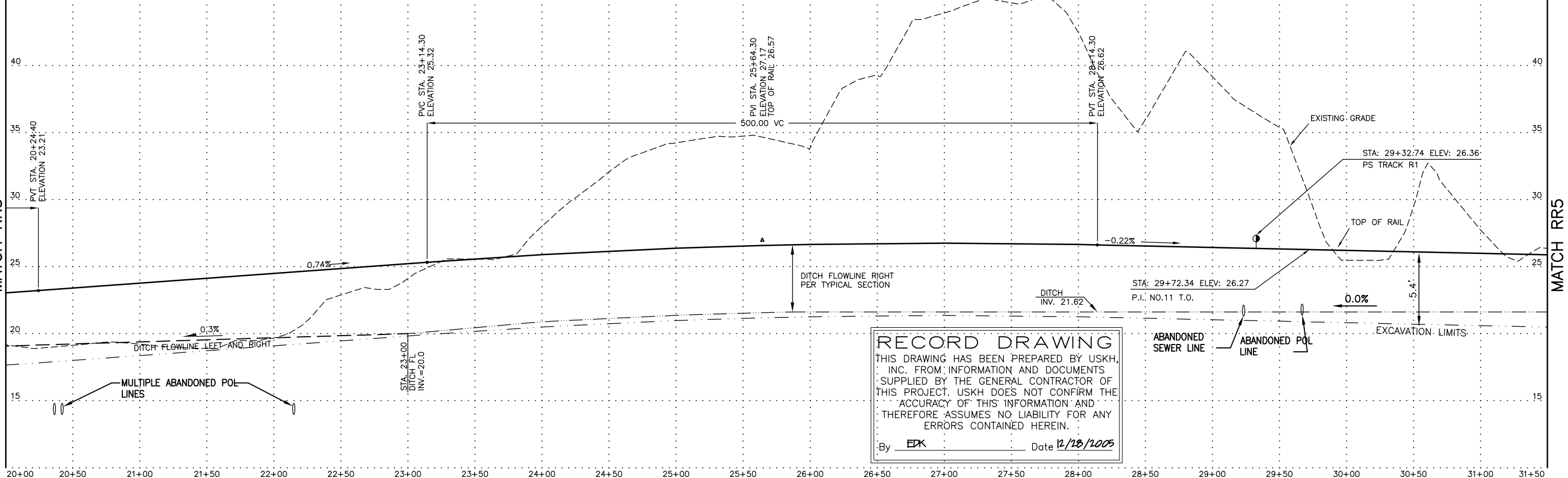
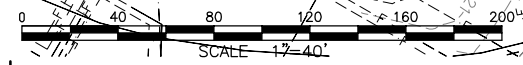
PORT OF ANCHORAGE
 TOFC YARD PHASES I & II
 R1 TRACK PLAN AND PROFILE
 BEGIN TO STA. 20+00

SHEET NO.
RR3
 W.O. NO. 840900



- ASBUILT NOTES:**
- SEE SHEET RFP 5.6 FOR GRADING AND DRAINAGE IN THIS AREA (STA. 23+00± TO STA. 35+00±)
 - SEE SHEET RR17 FOR TRACK ASBUILT ELEVATIONS.

CENTERLINE DATA					
CURVE	D	R	L	Δ	T
R1-2	7'00'00"	819.02	783.90	54°50'21"	424.89



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 By **EDK** Date **12/18/2005**

PROFILE TRACK R1
 SCALE: 1"=40' HOR. 1"=4' VERT.

DRAWING NAME: I:\840900\Draws\CasBuilt\Draws\8409RR04.dwg PLOTTED: Aug 07, 2006 - 1:31pm

REV.	DATE	BY	ADDED ASBUILT INFORMATION REVISIONS
11/04/05	EDK		ADDED ASBUILT INFORMATION

RVP
 Ronald V Perrone, Inc.
 4512 Browns Point Blvd. NE
 Tacoma, WA 98422
 (253) 927-2988

FIELD BOOKS	SCALE	DATA
DESIGN/TOPO:	HOR.	DESIGN: RVP
STAKING:	VER.	DRAWN: SMT
ASBUILT:	GRID	CHECKED: EDK
FIELD BOOKS		DATA

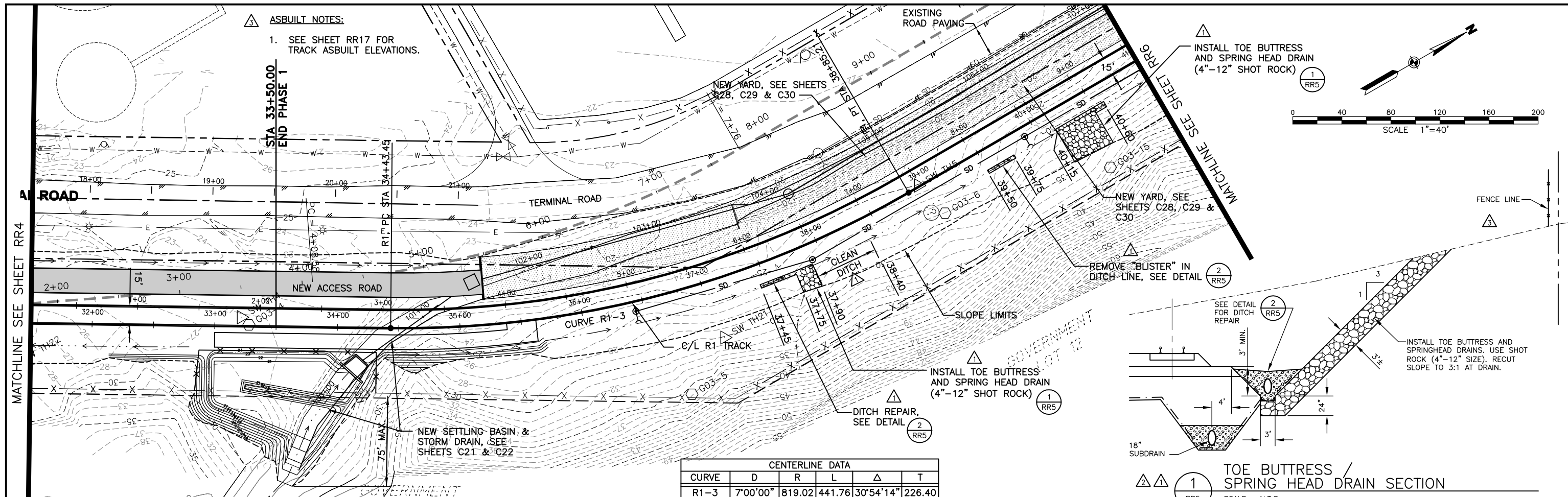
DATE STAMPED: MAY 11, 2005

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 Phone (907) 276-4245 FAX (907) 258-4653

Anchorage Port Expansion Team
 2000 Anchorage Port Rd.
 Anchorage, Alaska 99501
 OWNER:

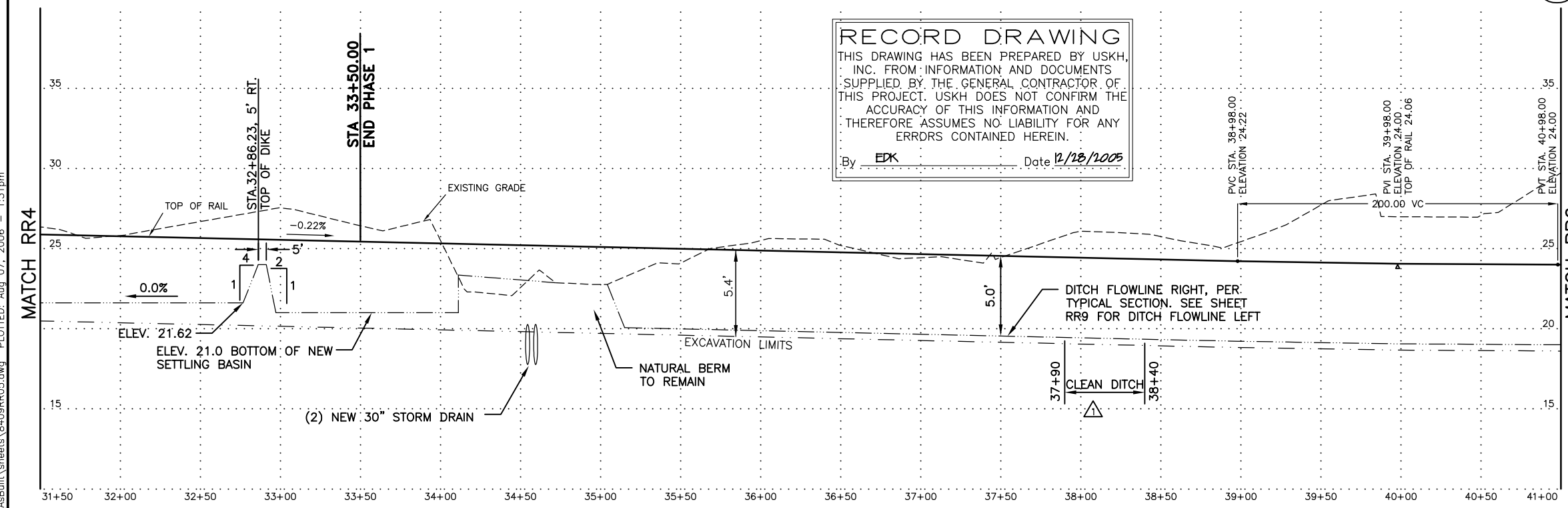
PORT OF ANCHORAGE
 TOFC YARD PHASES I & II
R1 TRACK PLAN AND PROFILE
 STA. 20+00 TO STA. 31+50

SHEET NO.
RR4
 W.O. NO. 840900

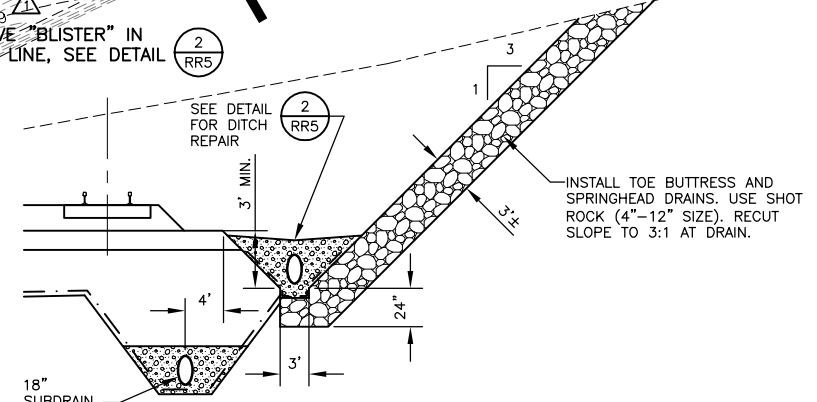


CENTERLINE DATA					
CURVE	D	R	L	Δ	T
R1-3	7°00'00"	819.02	441.76	30°54'14"	226.40

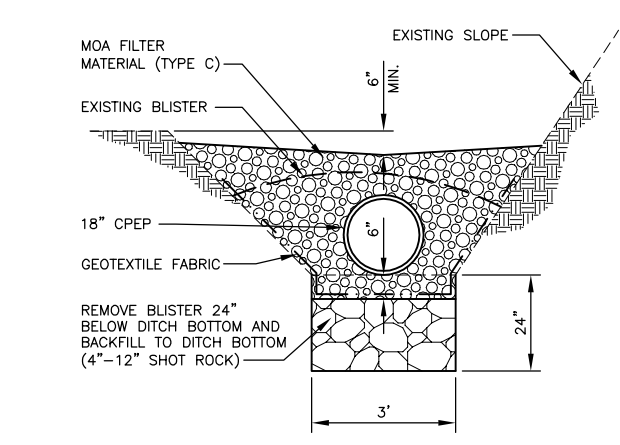
RECORD DRAWING
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 By EDK Date 12/18/2005



PROFILE TRACK R1
 SCALE: 1"=40' HOR. 1"=4' VERT.



1 TOE BUTTRESS / SPRING HEAD DRAIN SECTION
 SCALE: N.T.S.



2 DITCH REPAIR SECTION
 SCALE: N.T.S.

DRAWING NAME: I:\840900\Drawings\CasBuilt\Drawings\8409RR05.dwg PLOTTED: Aug 07, 2006 - 1:31pm

REV.	DATE	BY	REVISIONS
1	11/04/05	EDK	ADDED ASBUILT INFORMATION
2	9/12/05	EDK	REVISED DETAIL 3, ADDED CPEP
3	8/23/05	EDK	ADDED SLOPE REMEDIAL WORK PER 8/5/05 PLAN

RVP
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 4512 Browns Point Blvd. NE
 Tacoma, WA 98422
 (253) 927-2988

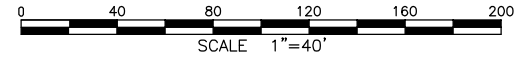
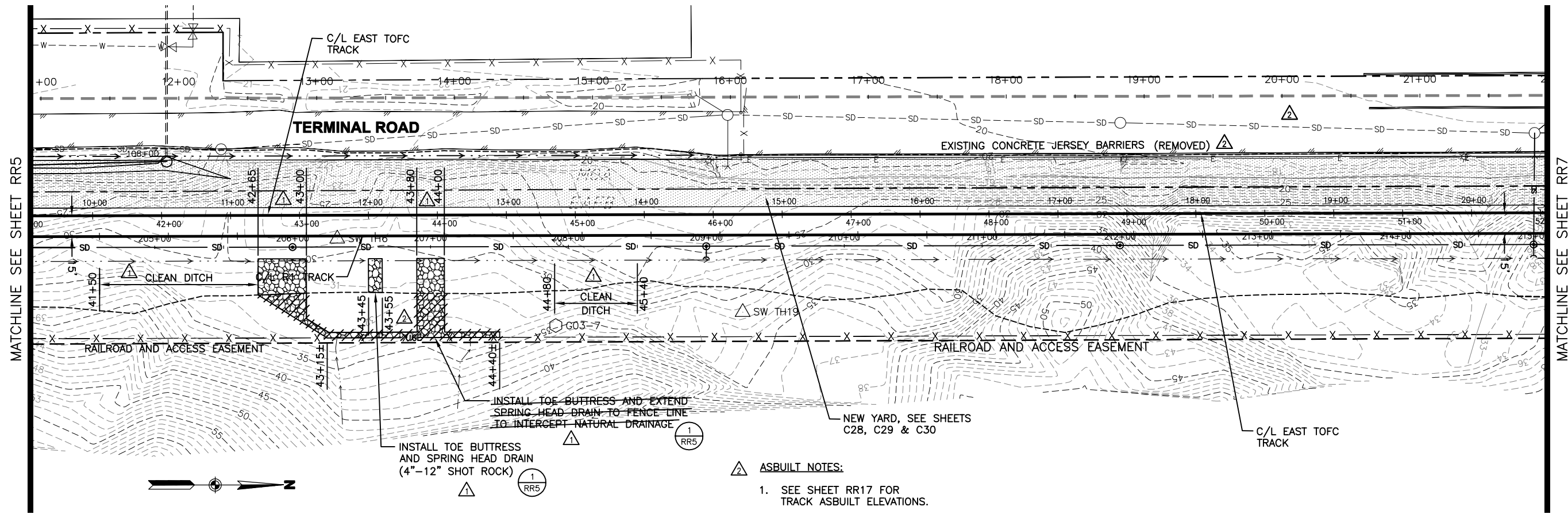
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STAKING:	VER.	DRAWN:	SMT
ASBUILT:	GRID	CHECKED:	EDK
FIELD BOOKS		DATE STAMPED:	MAY 11, 2005

USKH
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 2515 'A' Street • Anchorage, Alaska 99503
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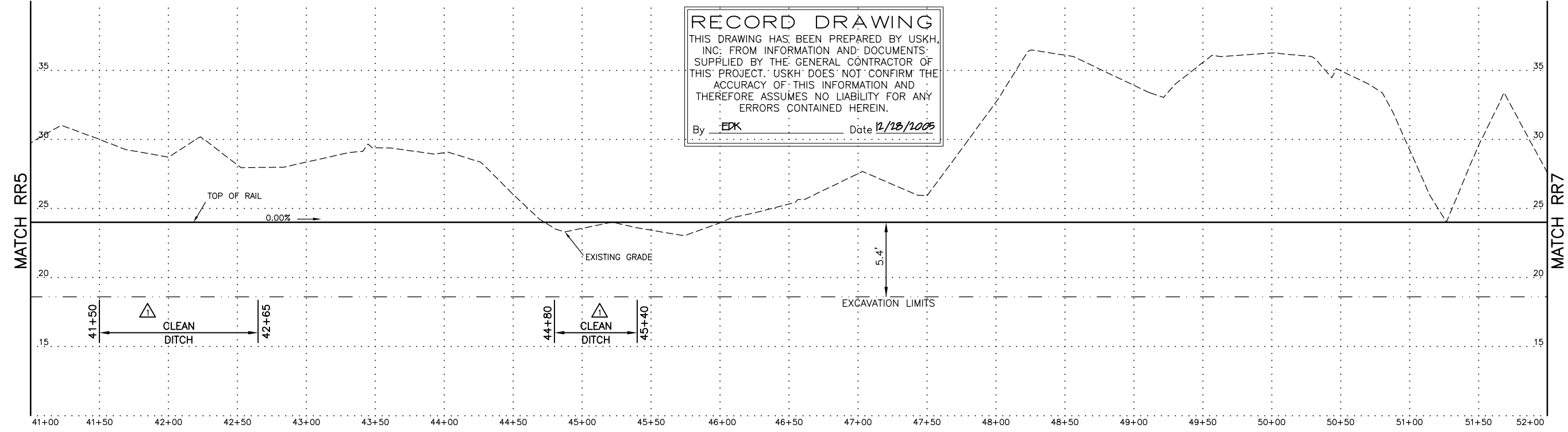
Anchorage Port Expansion Team
 2000 Anchorage Port Rd.
 Anchorage, Alaska 99501
 OWNER:

PORT OF ANCHORAGE
 TOFC YARD PHASES I & II
 R1 TRACK PLAN AND PROFILE
 STA. 31+50 TO STA. 41+00

SHEET NO.
RR5
 W.O. NO. 840900



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 By EDK Date 12/13/2005



DRAWING NAME: I:\840900\Draws\CasBuilt\Draws\8409RR06.dwg PLOTTED: Aug 07, 2006 - 1:31pm

REV.	DATE	BY	REVISIONS
2	11/04/05	EDK	ADDED ASBUILT INFORMATION
1	8/23/05	EDK	ADDED SLOPE REMEDIAL WORK PER 8/5/05 PLAN

RVP
 Ronald V Perrone, Inc.
 4512 Browns Point Blvd. NE
 Tacoma, WA 98422
 (253) 927-2988

FIELD BOOKS	SCALE	DATA
DESIGN/TOPO:	HOR.	DESIGN: RVP
STAKING:	VER.	DRAWN: SMT
ASBUILT:	GRID	CHECKED: EDK
FIELD BOOKS		DATE STAMPED: MAY 11, 2005

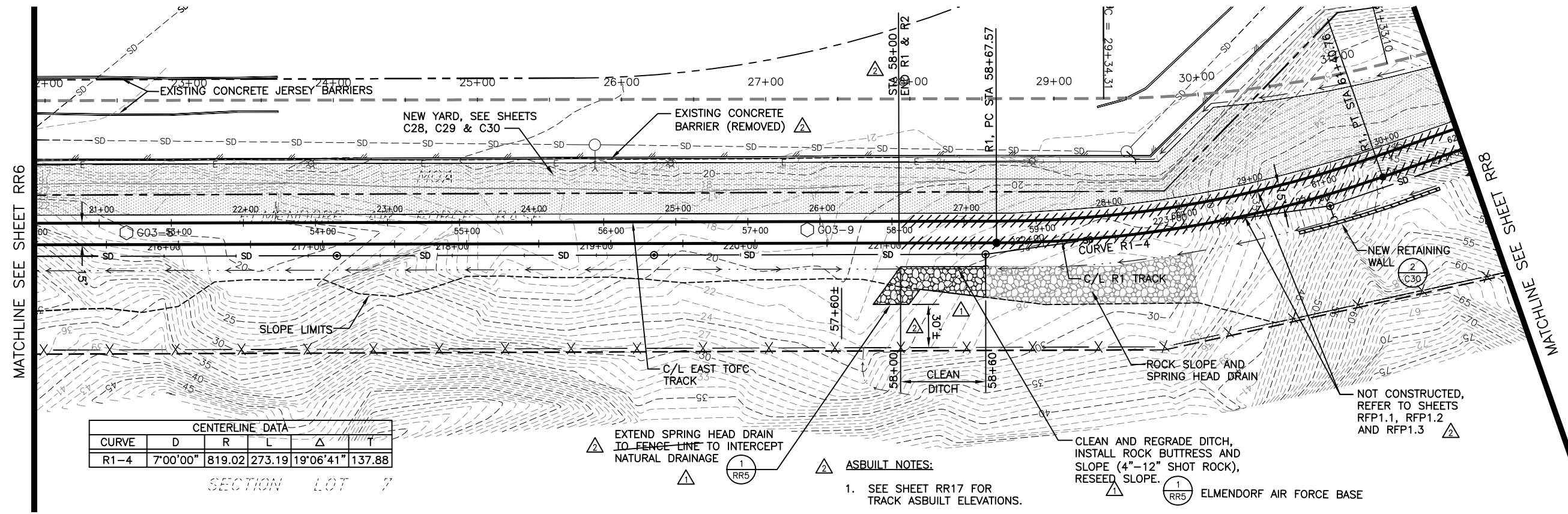
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 2515 'A' Street • Anchorage, Alaska 99503
 Phone (907) 276-4245 FAX (907) 258-4653

Anchorage Port Expansion Team
 2000 Anchorage Port Rd.
 Anchorage, Alaska 99501
 OWNER:

PORT OF ANCHORAGE
 TOFC YARD PHASES I & II
R1 TRACK PLAN AND PROFILE
 STA. 41+00 TO STA. 52+00

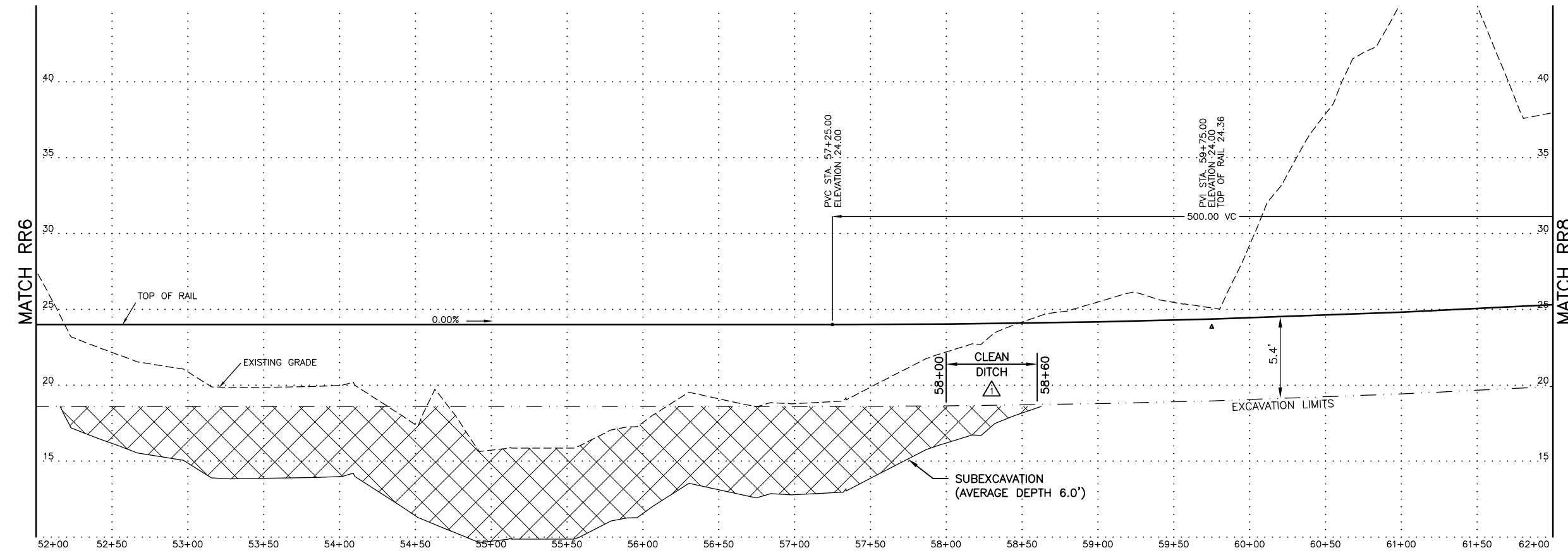
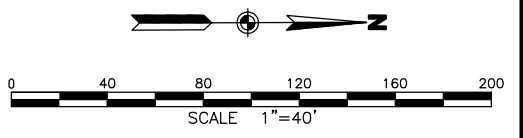
SHEET NO.
RR6
 W.O. NO. 840900

DRAWING NAME: I:\840900\Drawings\CasBuilt\Drawings\8409RR07.dwg PLOTTED: Aug 07, 2006 - 1:31pm



ASBUILT NOTES:

1. SEE SHEET RR17 FOR TRACK ASBUILT ELEVATIONS.



PROFILE TRACK R1
SCALE: 1"=40' HOR. 1"=4' VERT.

RECORD DRAWING
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By **EPK** Date **12/23/2005**

REV.	DATE	BY	REVISIONS
2	11/04/05	EDK	ADDED ASBUILT INFORMATION
1	8/23/05	EDK	ADDED SLOPE REMEDIAL WORK PER 8/5/05 PLAN

RVP
Ronald V Perrone, Inc.
4512 Browns Point Blvd. NE
Tacoma, WA 98422
(253) 927-2988

FIELD BOOKS	SCALE	DATA
DESIGN/TOPO:	HOR.	DESIGN: RVP
STAKING:	VER.	DRAWN: SMT
ASBUILT:	GRID	CHECKED: EDK
FIELD BOOKS		DATA

DATE STAMPED: MAY 11, 2005

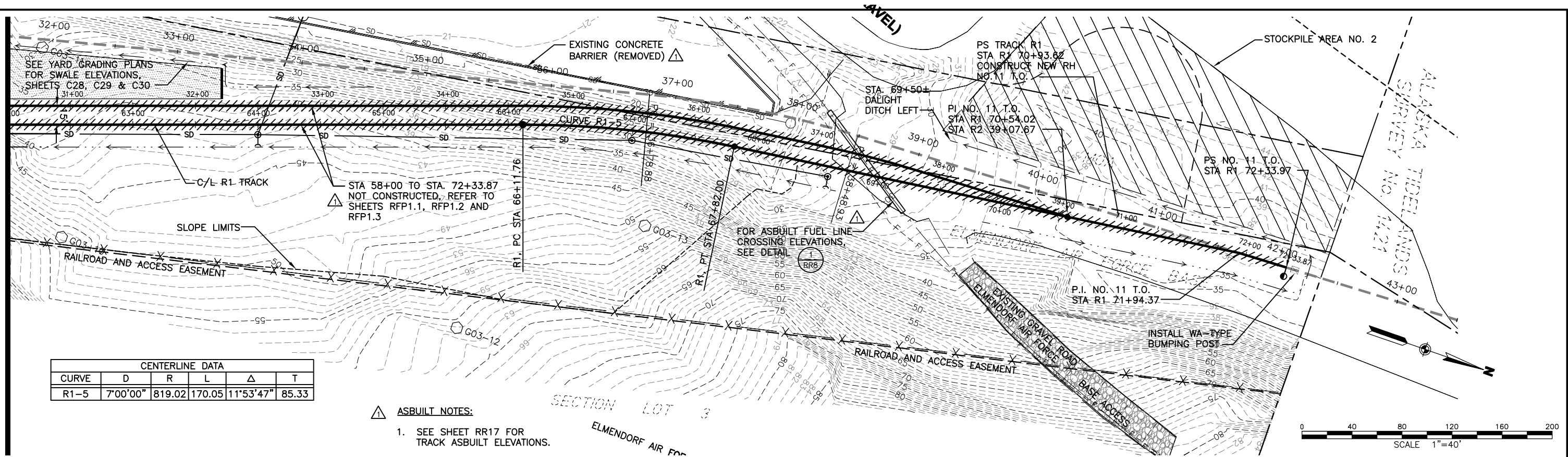
USKH
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2515 'A' Street • Anchorage, Alaska 99503
Phone (907) 276-4245 FAX (907) 258-4653

Anchorage Port Expansion Team
2000 Anchorage Port Rd.
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OWNER:

PORT OF ANCHORAGE
TOFC YARD PHASES I & II
R1 TRACK PLAN AND PROFILE
STA. 52+00 TO STA. 62+00

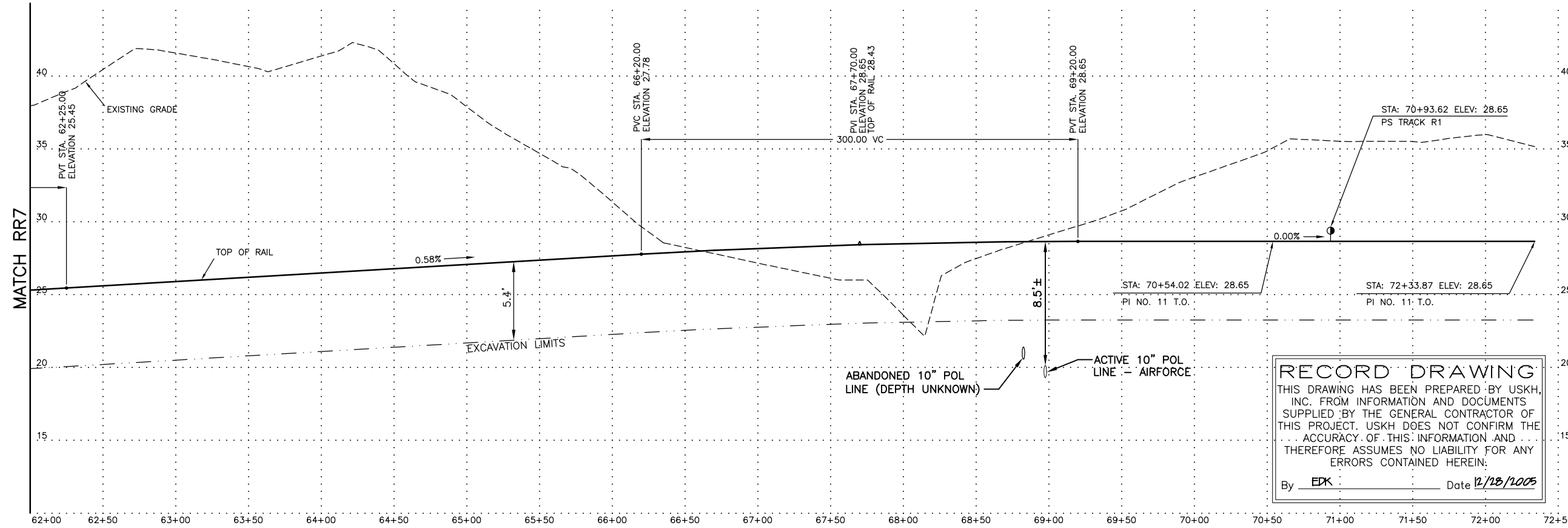
SHEET NO.
RR7
W.O. NO. 840900

MATCHLINE SEE SHEET RR7

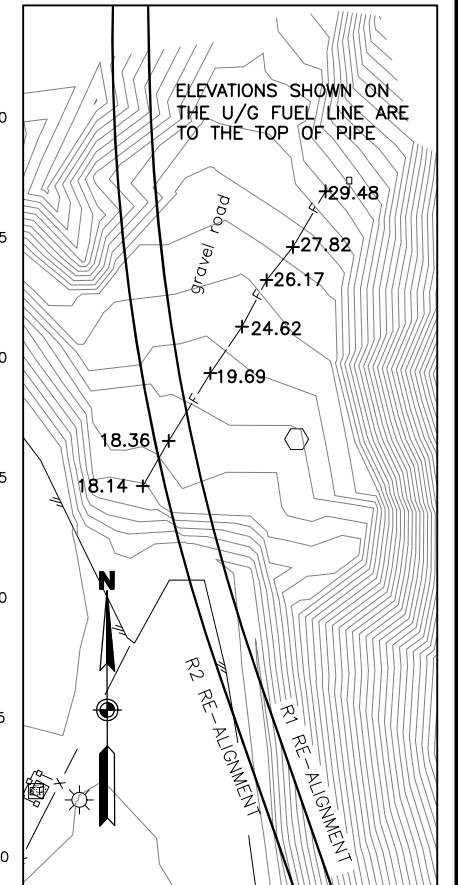


CENTERLINE DATA					
CURVE	D	R	L	Δ	T
R1-5	7°00'00"	819.02	170.05	11°53'47"	85.33

- ASBUILT NOTES:**
- SEE SHEET RR17 FOR TRACK ASBUILT ELEVATIONS.



PROFILE TRACK R1
SCALE: 1"=40' HOR. 1"=4' VERT.



ASBUILT ELEVATIONS FUEL LINE CROSSING
SCALE: 1"=40'

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DRAWING NAME: I:\840900\Draws\CasBuilt\Draws\8409RR08.dwg PLOTTED: Aug 07, 2006 - 1:31pm

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1	11/04/05	EDK	ADDED ASBUILT INFORMATION

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Tacoma, WA 98422
(253) 927-2988

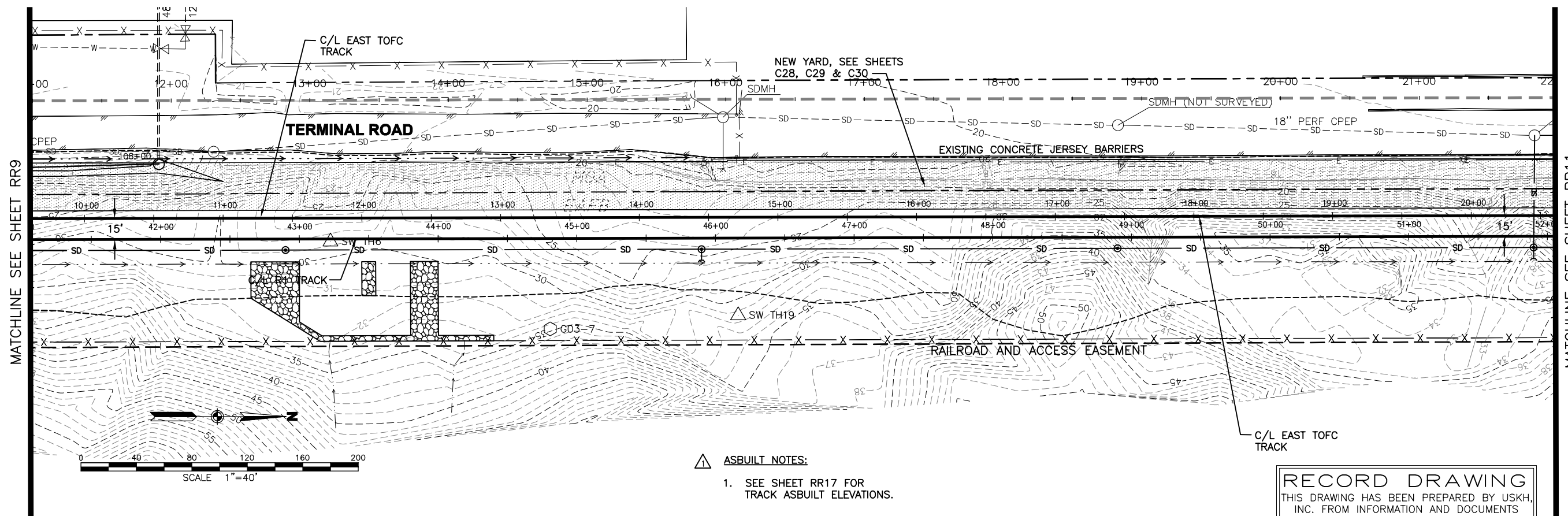
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DESIGN/TOPO:	HOR.	DESIGN: RVP
STAKING:	VER.	DRAWN: SMT
ASBUILT:	GRID	CHECKED: EDK
FIELD BOOKS		DATE STAMPED: MAY 11, 2005

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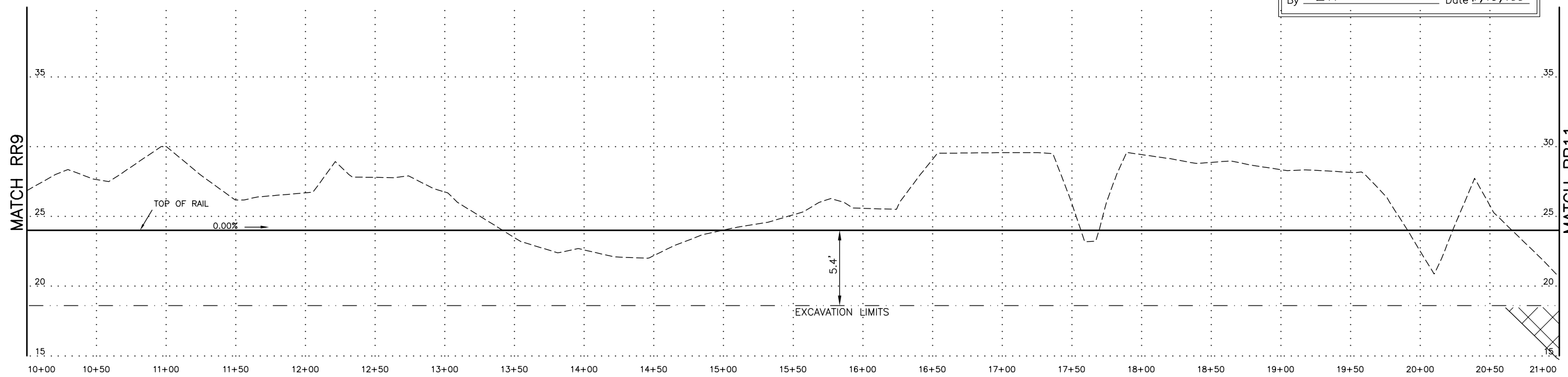
PORT OF ANCHORAGE
TOFC YARD PHASES I & II
R1 TRACK PLAN AND PROFILE
STA. 62+00 TO END

SHEET NO.
RR8
W.O. NO. 840900



- ASBUILT NOTES:**
- SEE SHEET RR17 FOR TRACK ASBUILT ELEVATIONS.

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PROFILE TRACK R2
 SCALE: 1"=40' HOR. 1"=4' VERT.

DRAWING NAME: I:\840900\Draws\CasBuilt\Draws\8409RR10.dwg PLOTTED: Aug 07, 2006 - 1:32pm

REV.	DATE	BY	ADDED ASBUILT INFORMATION REVISIONS
1	11/04/05	EDK	



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FIELD BOOKS	SCALE	DATA
DESIGN/TOPO:	HOR.	DESIGN: RVP
STAKING:	VER.	DRAWN: SMT
ASBUILT:	GRID	CHECKED: EDK
FIELD BOOKS		DATA

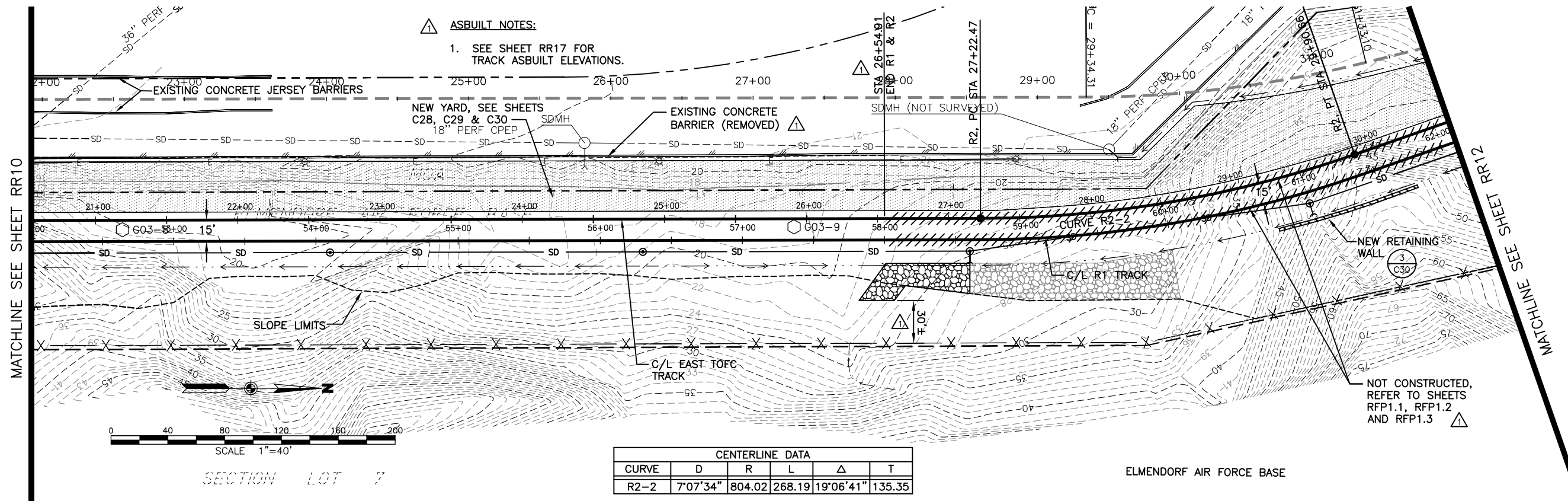
DATE STAMPED: MAY 11, 2005

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PORT OF ANCHORAGE
 TOFC YARD PHASES I & II
R2 TRACK PLAN AND PROFILE
 STA. 10+00 TO STA. 21+00

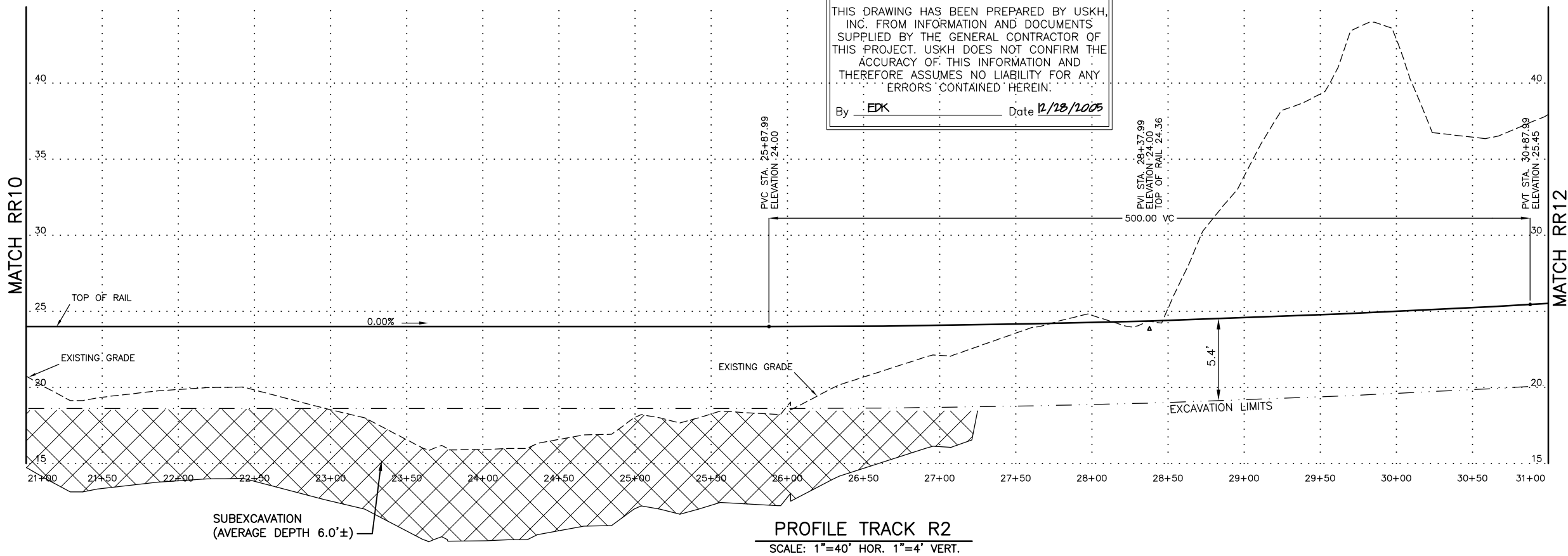
SHEET NO.
RR10
 W.O. NO. 840900



ASBUILT NOTES:
 1. SEE SHEET RR17 FOR TRACK ASBUILT ELEVATIONS.

CENTERLINE DATA					
CURVE	D	R	L	Δ	T
R2-2	7°07'34"	804.02	268.19	19°06'41"	135.35

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PROFILE TRACK R2
 SCALE: 1"=40' HOR. 1"=4' VERT.

DRAWING NAME: I:\840900\Draws\CAsBuilt\Draws\8409RR11.dwg PLOTTED: Aug 07, 2006 - 1:32pm

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1	11/04/05	EDK	ADDED ASBUILT INFORMATION
			REVISIONS

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FIELD BOOKS	SCALE	DATA
DESIGN/TOPO:	HOR.	DESIGN: RVP
STAKING:	VER.	DRAWN: SMT
ASBUILT:	GRID	CHECKED: EDK
FIELD BOOKS		DATA

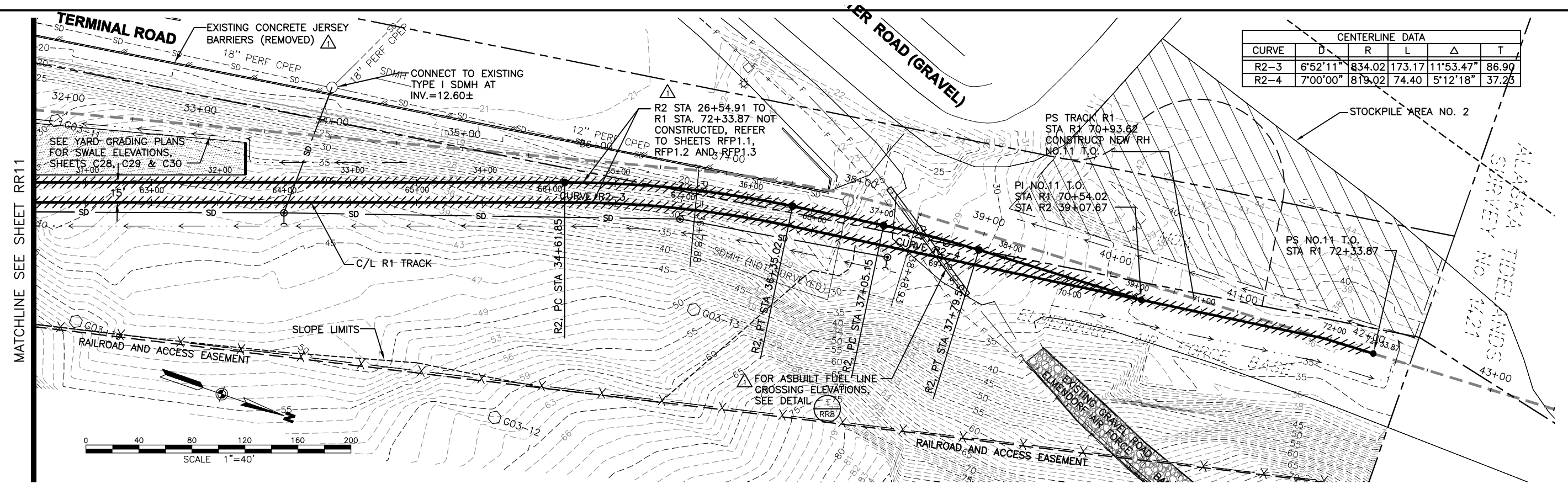
DATE STAMPED: MAY 11, 2005

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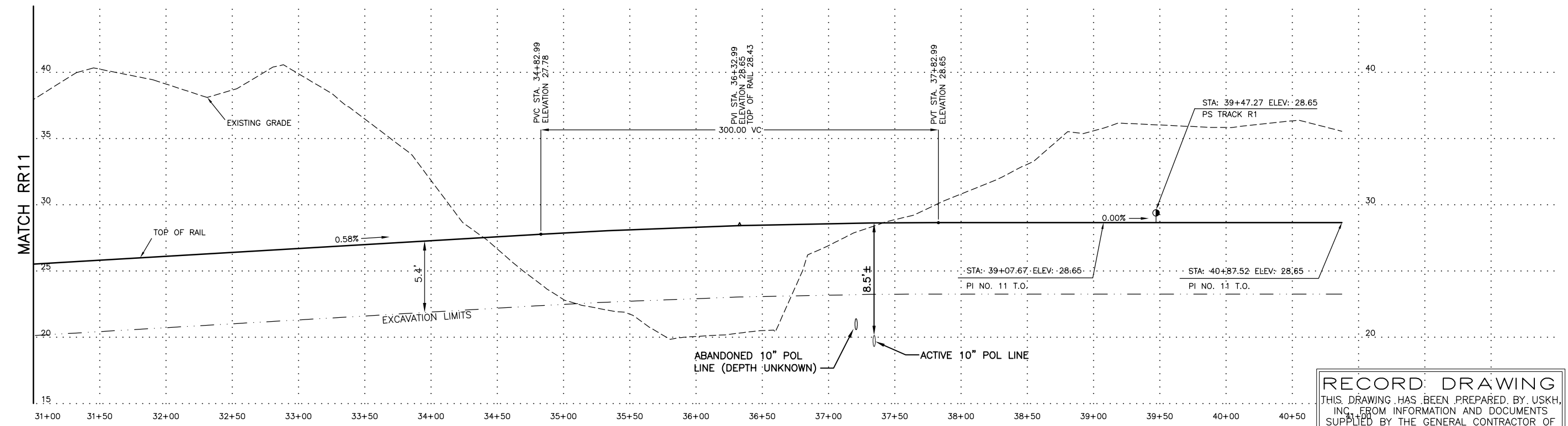
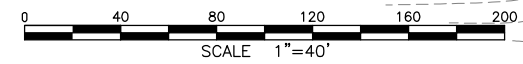
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 OWNER:

PORT OF ANCHORAGE
 TOFC YARD PHASES I & II
R2 TRACK PLAN AND PROFILE
 STA. 21+00 TO STA. 31+00

SHEET NO.
RR11
 W.O. NO. 840900



CENTERLINE DATA					
CURVE	D	R	L	Δ	T
R2-3	6°52'11"	834.02	173.17	11°53.47"	86.90
R2-4	7°00'00"	819.02	74.40	5°12'18"	37.25



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FIELD BOOKS	SCALE	DATA
DESIGN/TOPO:	HOR.	DESIGN: RVP
STAKING:	VER.	DRAWN: SMT
ASBUILT:	GRID	CHECKED: EDK
FIELD BOOKS		DATE STAMPED: MAY 11, 2005

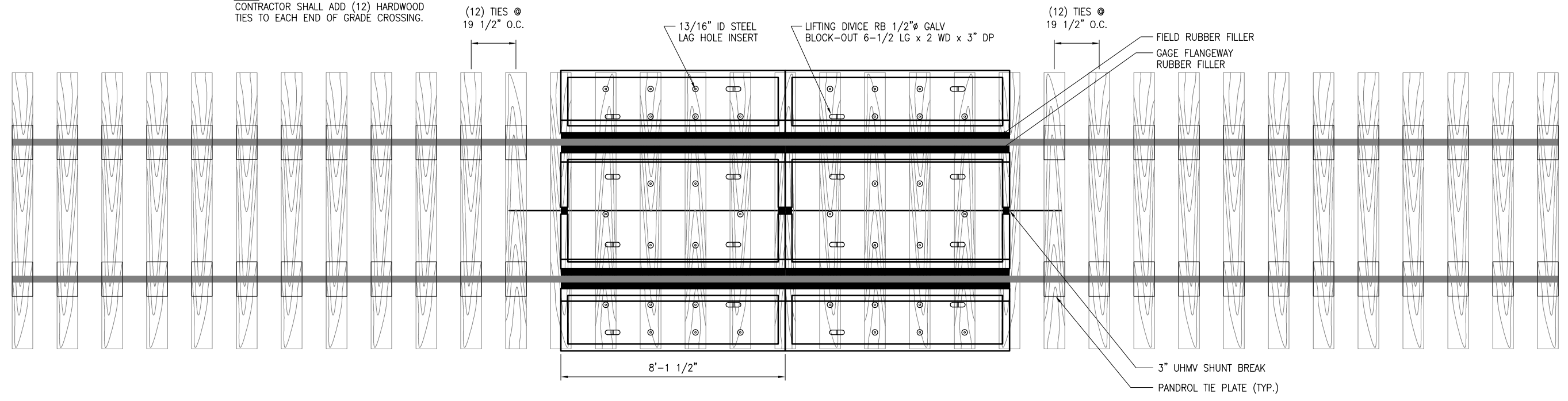
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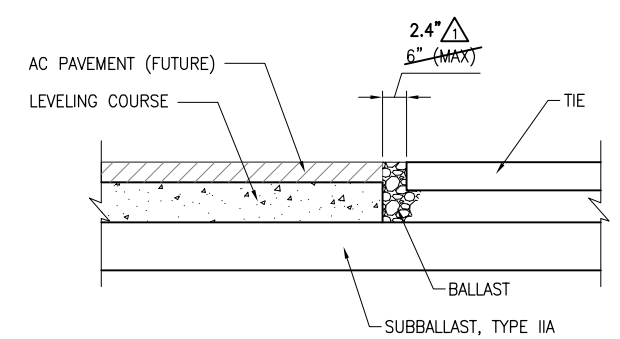
PORT OF ANCHORAGE
 TOFC YARD PHASES 1 & II
R2 TRACK PLAN AND PROFILE
 STA. 31+00 TO END

SHEET NO.
RR12
 W.O. NO. 840900

NOTE:
CONTRACTOR SHALL ADD (12) HARDWOOD
TIES TO EACH END OF GRADE CROSSING.



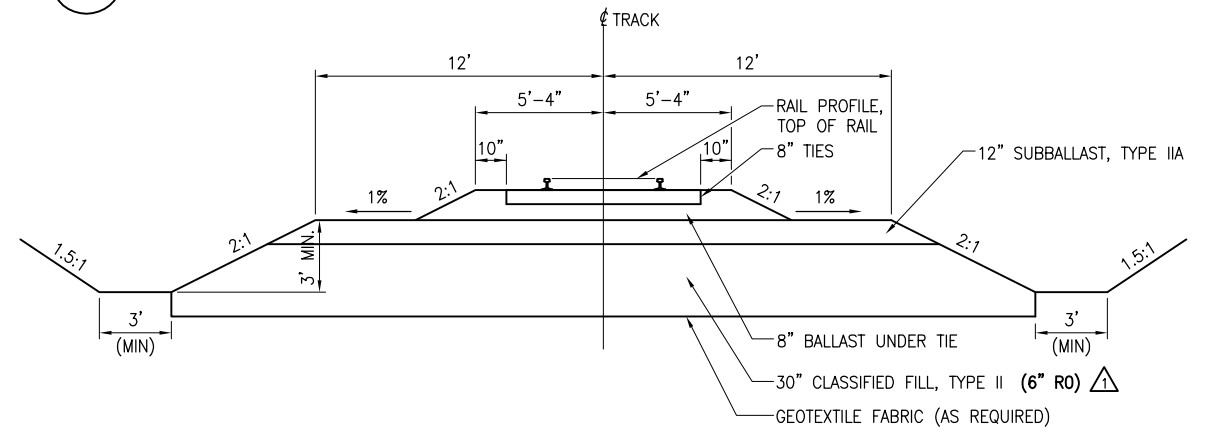
1 RAILROAD TRACK/PAVEMENT DETAIL
RR13 SCALE: 1/2"=1'-0"



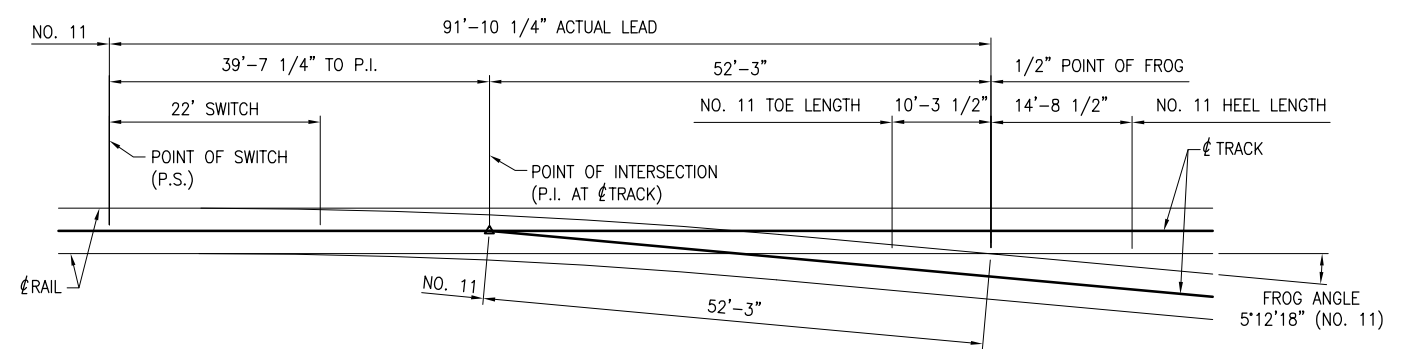
NOTES:
1. TOP OF AC PAVEMENT SHALL MATCH
TOP OF TIE.

2 PAVING SECTION AT EDGE OF TIE
RR13 SCALE: N.T.S.

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3 TYPICAL SECTION - ALL TRACKS R1 & R2 Δ
RR13 SCALE: N.T.S.



NOTE: CONSTRUCT PER ARRC STANDARD 12.51-04

4 PLAN - TYPICAL NO. 11 TURNOUT
RR13 SCALE: 1"=10'-0"

DRAWING NAME: I:\840900\Drawings\AsBuilt\Drawings\8409RR13.dwg PLOTTED: Aug 07, 2006 - 1:32pm

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FIELD BOOKS		DATA

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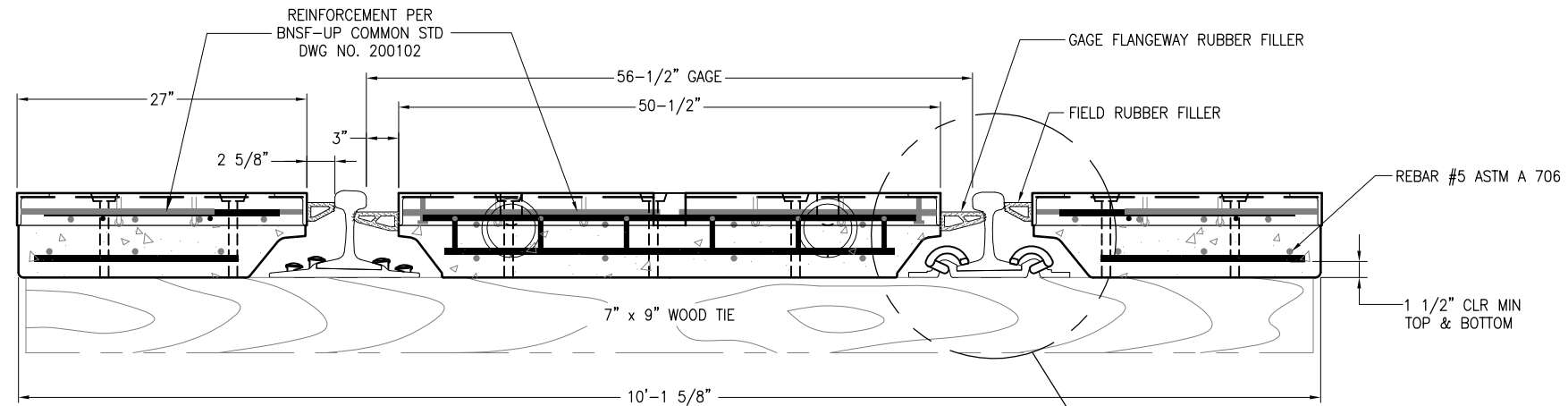
Anchorage Port Expansion Team
2000 Anchorage Port Rd.
Anchorage, Alaska 99501
OWNER:

PORT OF ANCHORAGE
TOFC YARD PHASES I & II

TYPICAL SECTIONS
AND DETAILS

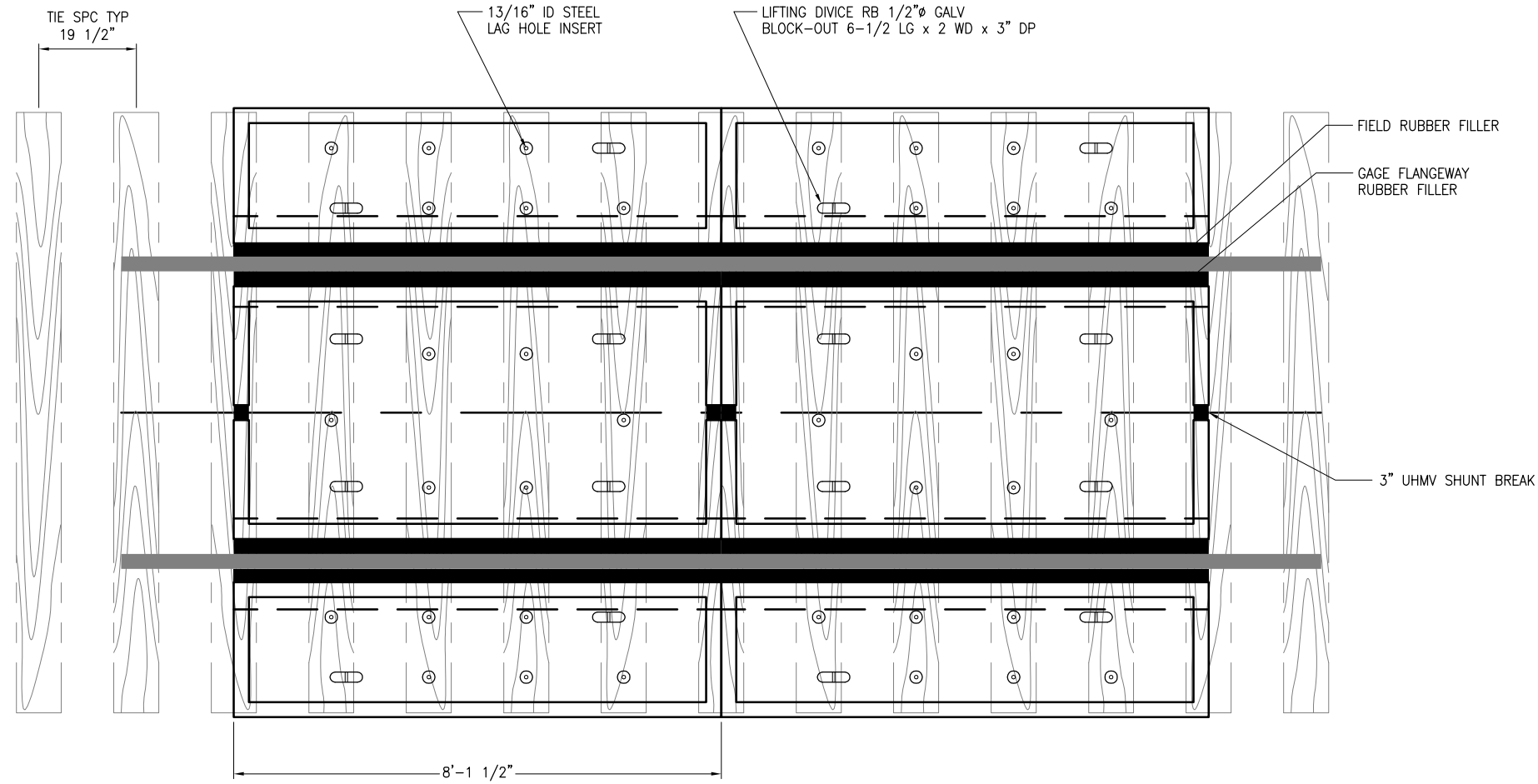
SHEET NO.
RR13
W.O. NO. 840900

NOTES: RAIL ANCHOR RELIEF IS STANDARD
 ATTACHED RUBBER IS STANDARD
 STANDARD LENGTH IS 8'-1 1/2"
 SEE OMEGA'S MANUAL FOR
 INSTALLATION INSTRUCTIONS

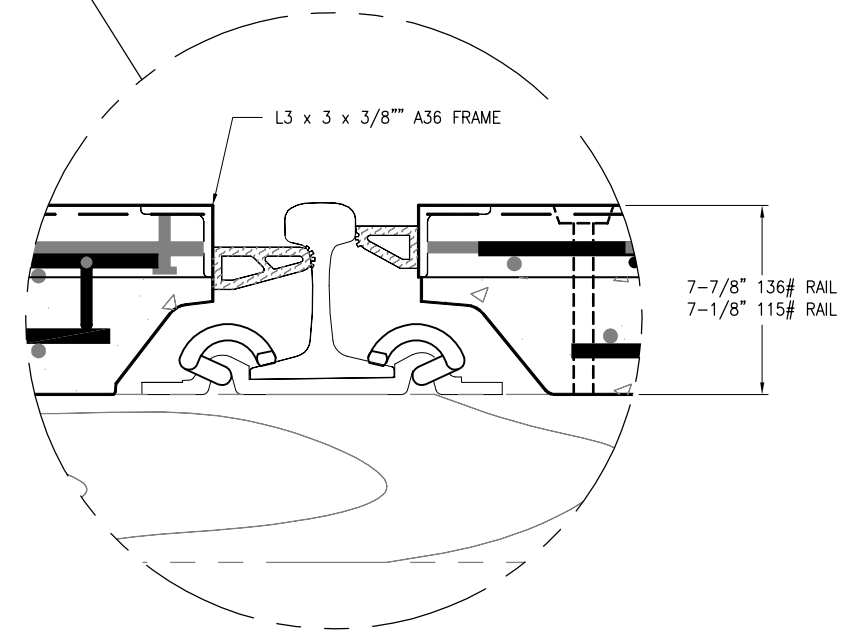


TYPICAL SECTION
 SCALE: 1-1/2" = 1'-0"

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PLAN VIEW
 SCALE: 3/4" = 1'-0"



DETAIL A 136# RAIL SHOWN
 SCALE: 3" = 1'-0"

1 RAILROAD TRACK/PAVEMENT DETAIL
 RR14 SCALE: AS NOTED

DRAWING NAME: I:\840900\Draws\CAsBuilt\Draws\8409RR14.dwg PLOTTED: Aug 07, 2006 - 1:32pm

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DESIGN/TOPO:	HOR.	DESIGN: RVP
STAKING:	VER.	DRAWN: SMT
ASBUILT:	GRID	CHECKED: EDK
FIELD BOOKS		DATA

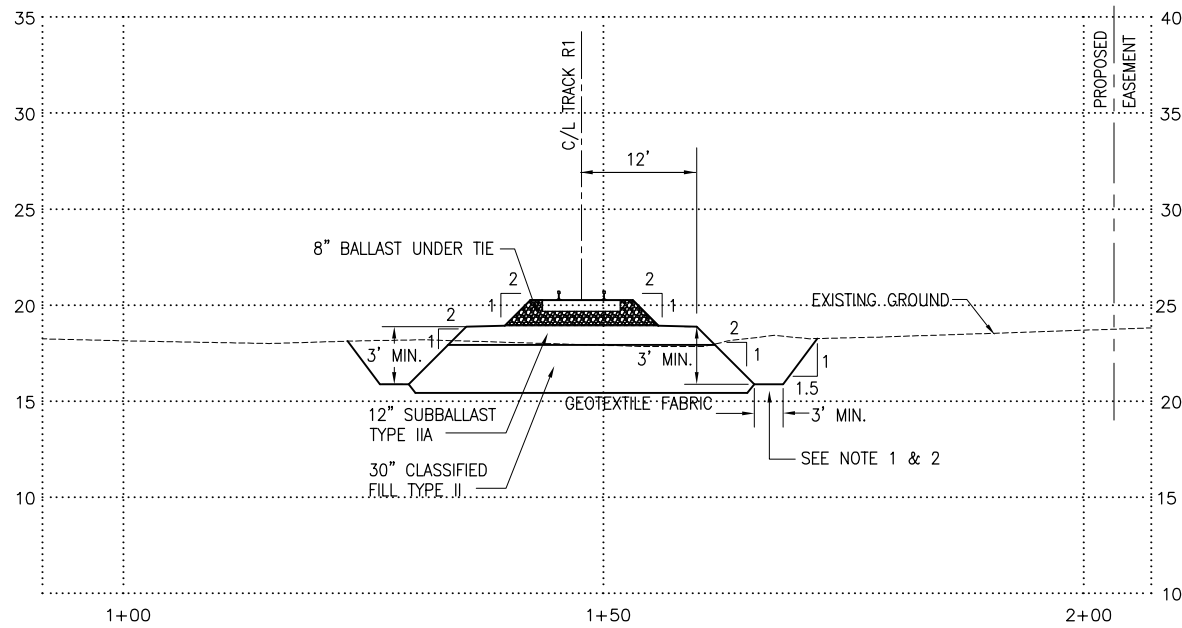
DATE STAMPED: MAY 11, 2005

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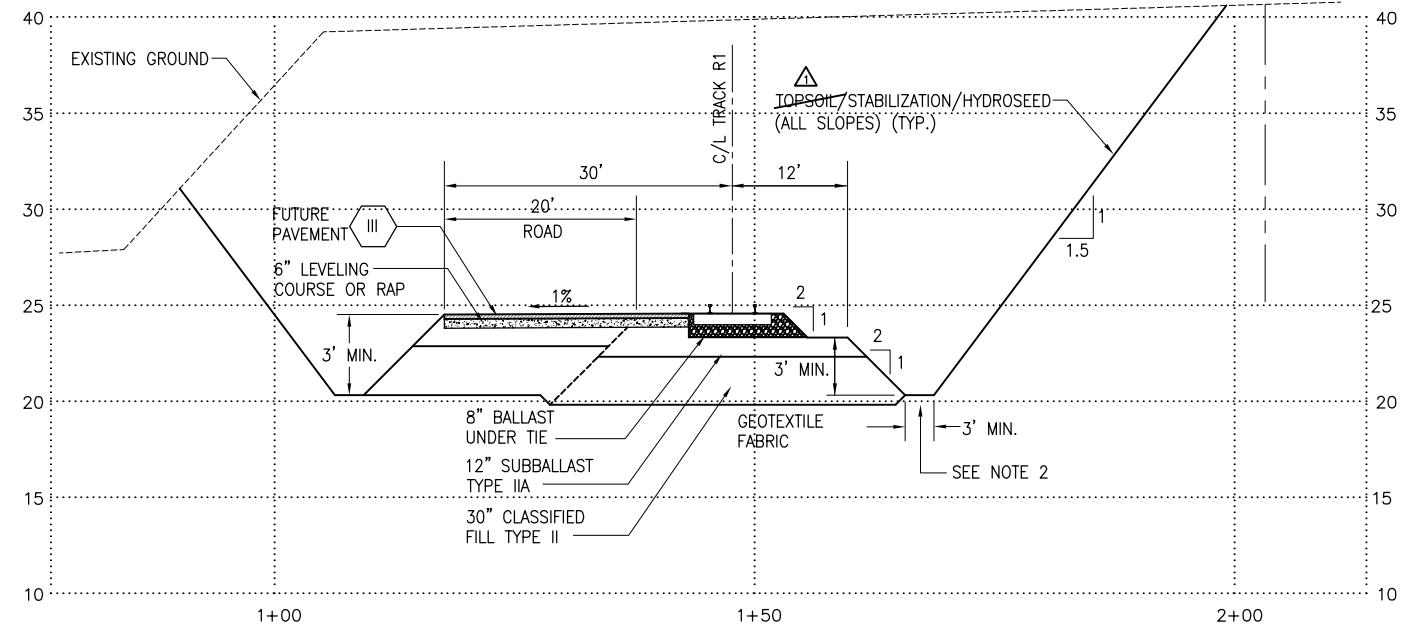
PORT OF ANCHORAGE
 TOFC YARD PHASES I & II
RAILROAD TRACK/PAVEMENT DETAIL

SHEET NO.
RR14
 W.O. NO. 840900



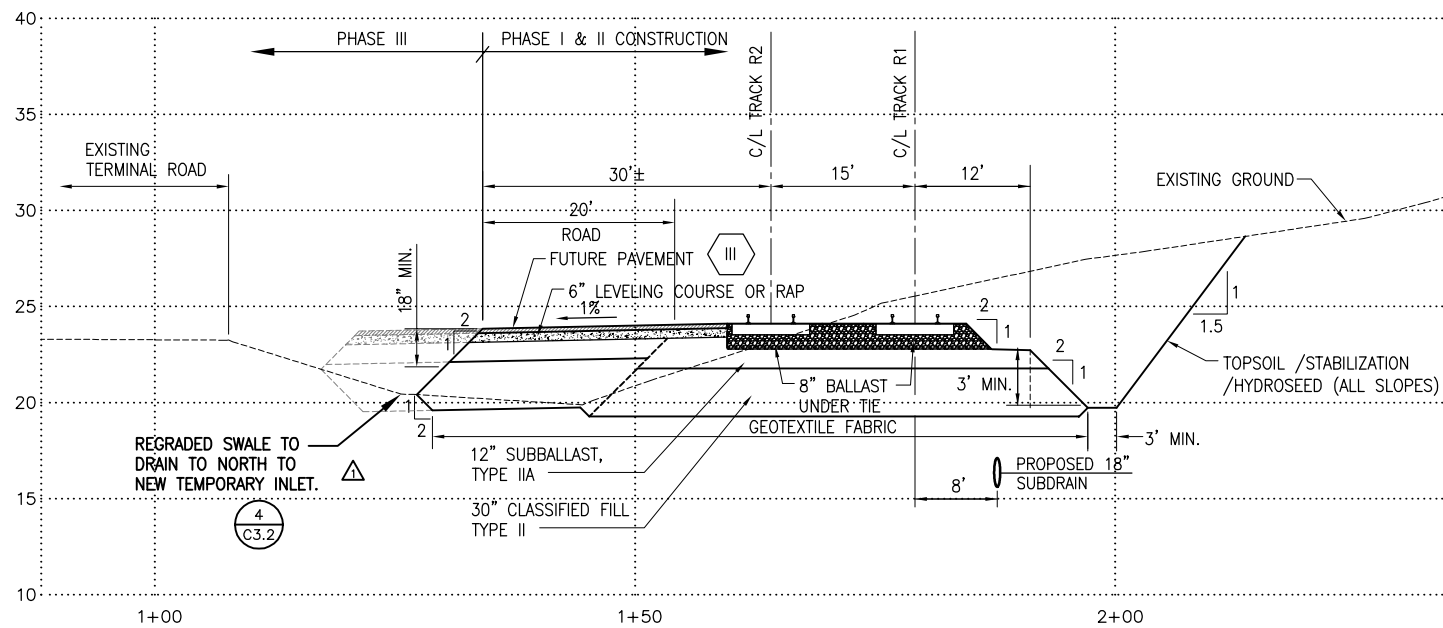
1 TYPICAL SECTION
BOP TO STA. 22+25.00
RR15 SCALE: 1"=10' HOR. 1"=5' VERT.

- NOTES:
- ELIMINATE DITCH LEFT AND RIGHT BOP TO STA. 16+25±.
 - REFER TO PLAN AND PROFILE SHEETS FOR DITCH BOTTOM ELEVATIONS STA. 16+50 TO STA. 23+00 STA. 29+00 TO STA. 33+50
 - UP TO 18" OF ONSITE MATERIAL MEETING M.O.A. TYPE III MAY BE USED IN THE FILL SECTION. COMPACTION REQUIREMENTS DO NOT CHANGE.
 - TYPE IIA MATERIAL UNDER THE BALLAST MAY CONTAIN UP TO 15% MATERIAL GREATER THAN U.S. STANDARD SIEVE 3" AND LESS THAN 6".

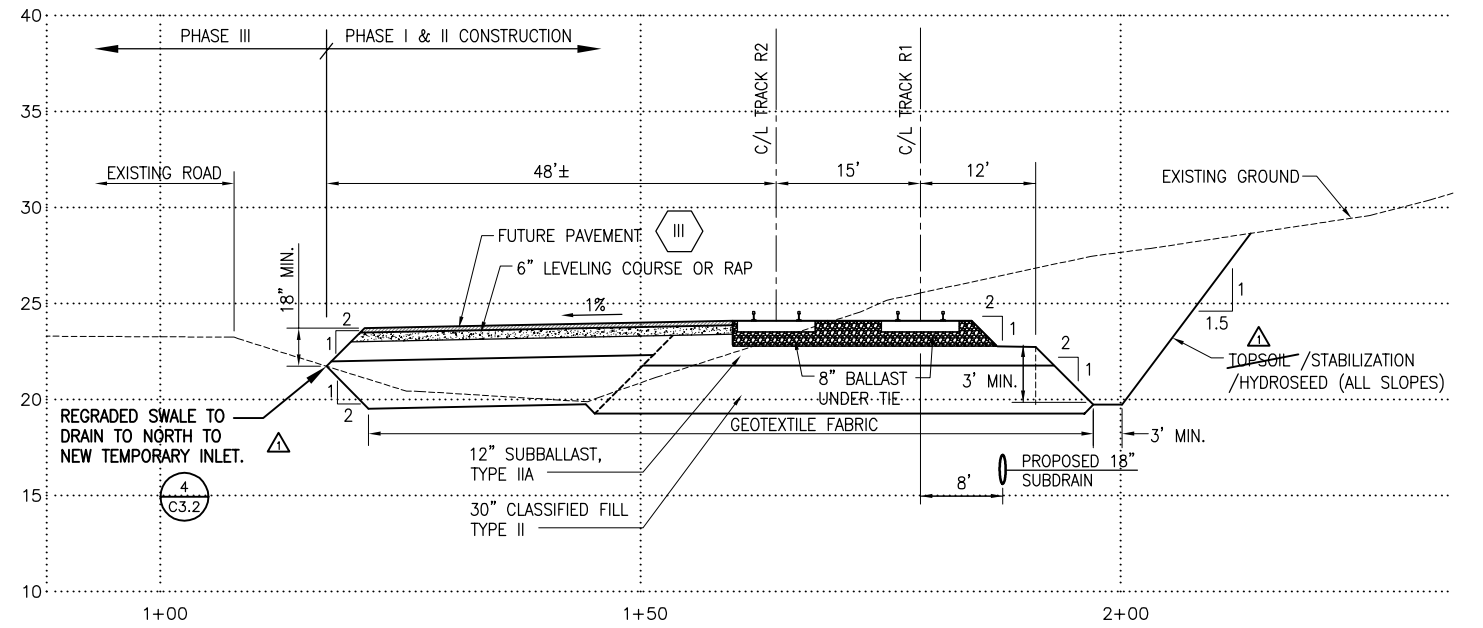


2 TYPICAL SECTION
STA. 22+25.00 TO STA. 29+32.74
RR15 SCALE: 1"=10' HOR. 1"=5' VERT.

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3 TYPICAL SECTION
STA. 29+32.74 TO STA. 35+20.00
RR15 SCALE: 1"=10' HOR. 1"=5' VERT.



4 TYPICAL SECTION
STA. 35+20.00 TO STA. 46+00.00
RR15 SCALE: 1"=10' HOR. 1"=5' VERT.

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1	11/04/05	EDK	ADDED ASBUILT INFORMATION

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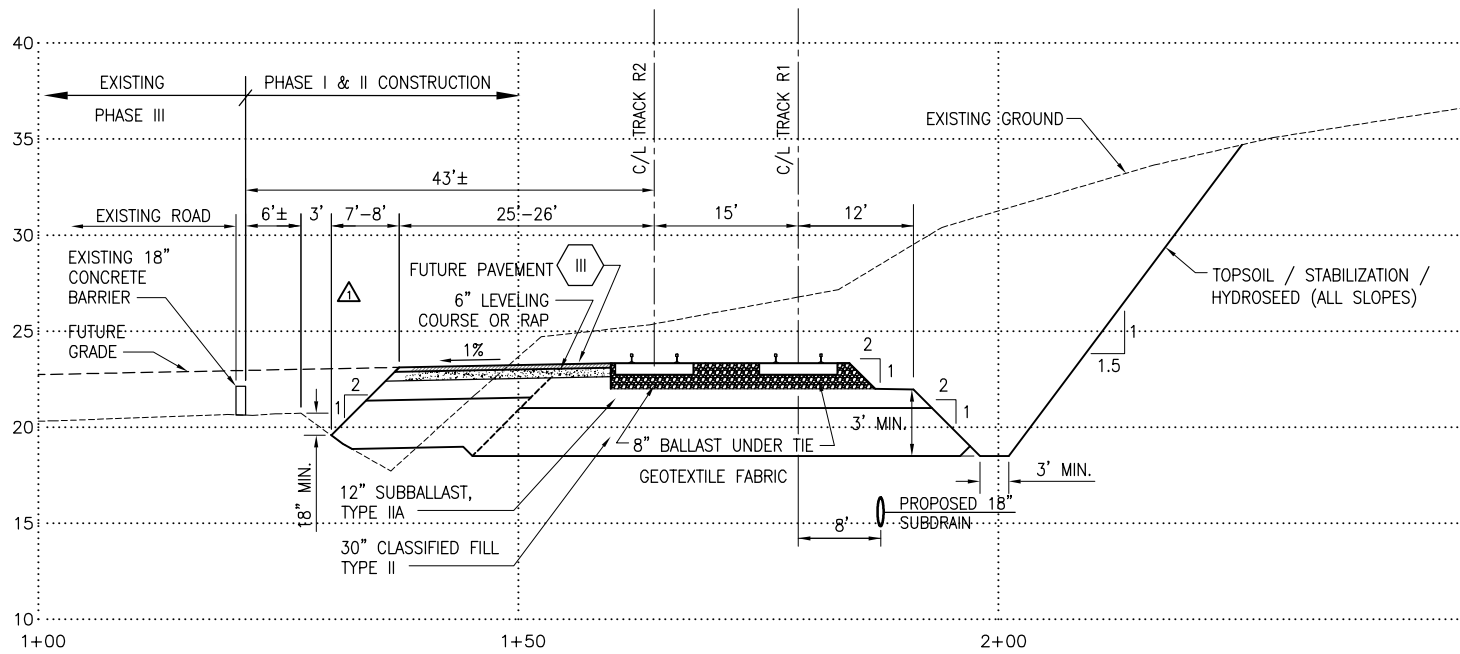
FIELD BOOKS	SCALE	DATA
DESIGN/TOPO:	HOR.	DESIGN: RVP
STAKING:	VER.	DRAWN: SMT
ASBUILT:	GRID	CHECKED: EDK
FIELD BOOKS	DATA	DATE STAMPED: MAY 11, 2005

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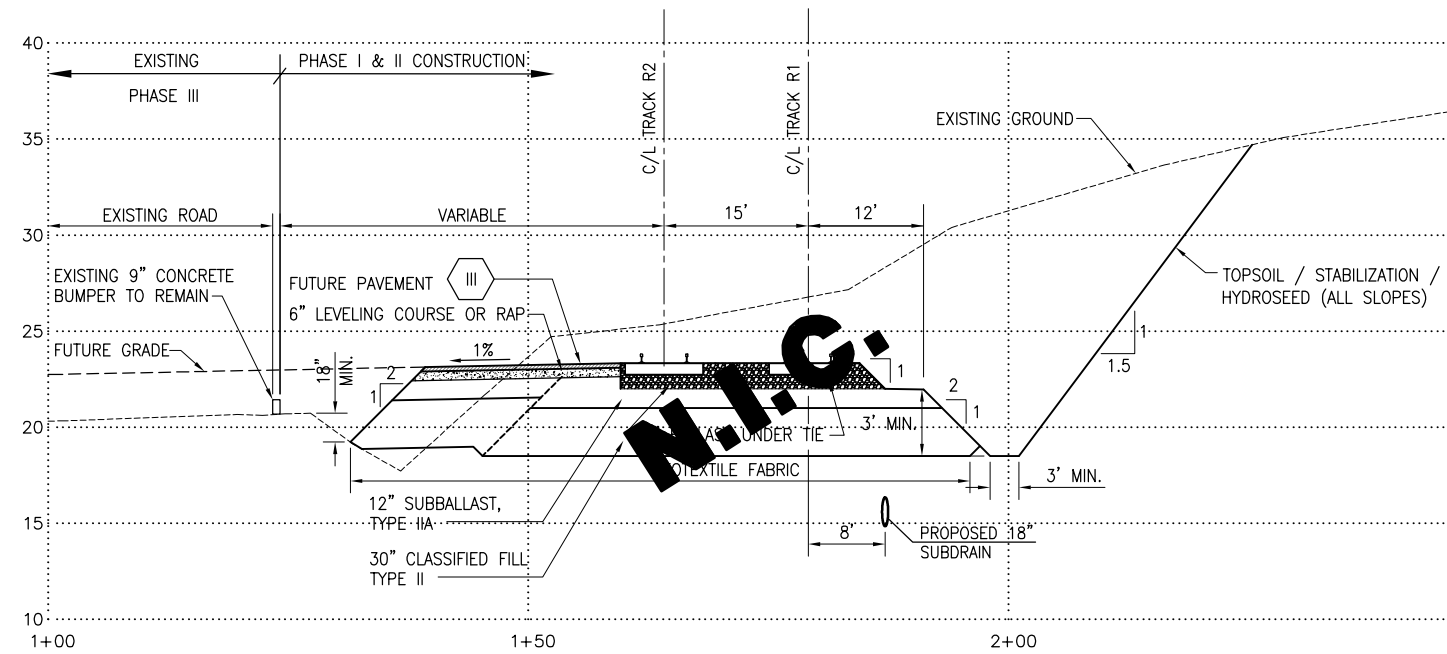
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PORT OF ANCHORAGE
TOFC YARD PHASES I & II
TYPICAL SECTIONS

SHEET NO.
RR15
W.O. NO. 840900



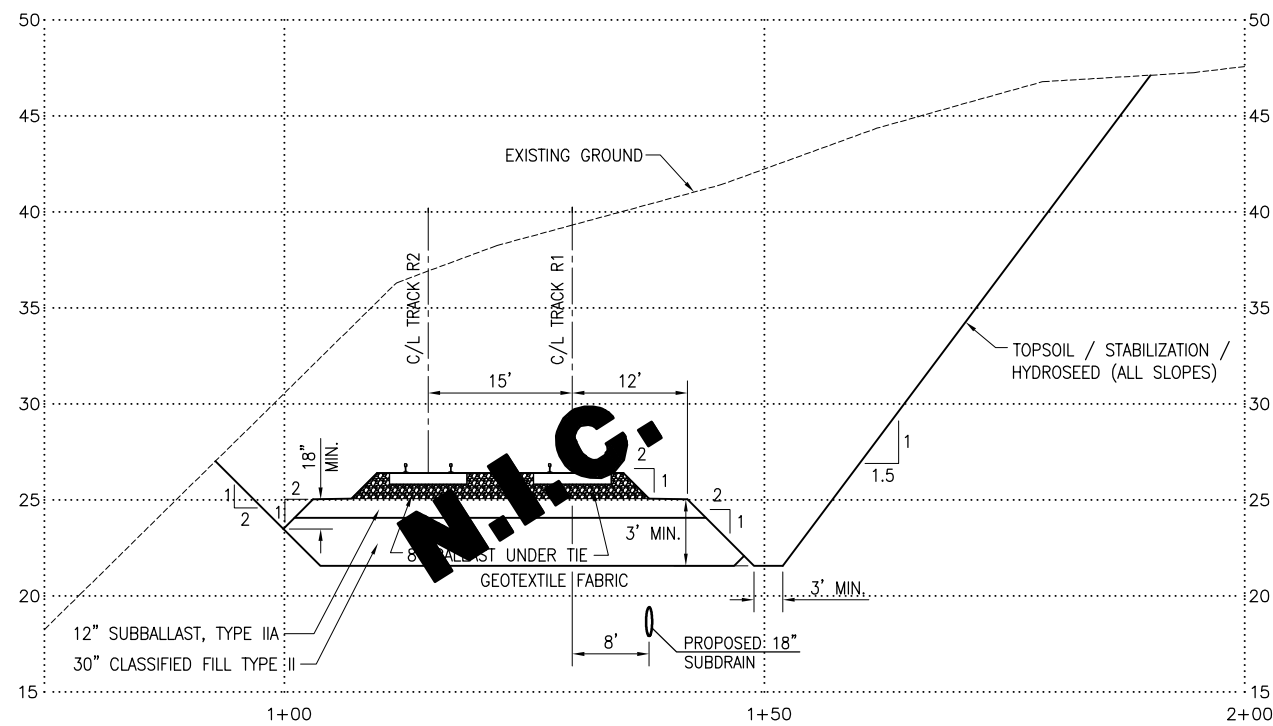
1 TYPICAL SECTION STA. 46+00.00 TO STA. 58+67.57
RR16 SCALE: 1"=10' HOR. 1"=5' VERT.



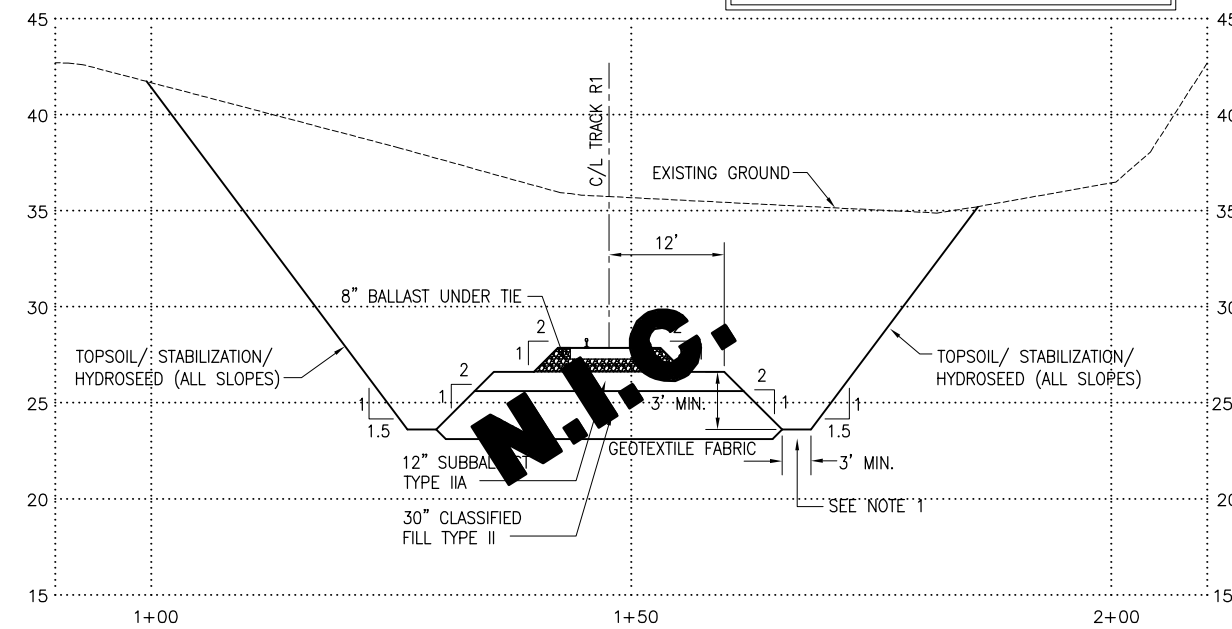
2 TYPICAL SECTION STA. 58+67.57 TO STA. 63+70.00
RR16 SCALE: 1"=10' HOR. 1"=5' VERT.

- NOTES:
- REFER TO PLAN AND PROFILE SHEETS FOR DITCH BOTTOM ELEVATIONS STA. 16+50 TO STA. 23+00 STA. 29+00 TO STA. 33+50
 - UP TO 18" OF ONSITE MATERIAL MEETING M.O.A. TYPE III MAY BE USED IN THE FILL SECTION. COMPACTION REQUIREMENTS DO NOT CHANGE.
 - TYPE IIA MATERIAL UNDER THE BALLAST MAY CONTAIN UP TO 15% MATERIAL GREATER THAN U.S. STANDARD SIEVE 3" AND LESS THAN 6".

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By **EPK** Date **12/18/2005**



3 TYPICAL SECTION STA. 63+70.00 TO STA. 70+29.02
RR16 SCALE: 1"=10' HOR. 1"=5' VERT.



4 TYPICAL SECTION STA. 70+29.52 TO EOP
RR16 SCALE: 1"=10' HOR. 1"=5' VERT.

DRAWING NAME: I:\840900\Draws\CAsBuilt\Draws\8409RR16.dwg PLOTTED: Aug 07, 2006 - 1:32pm

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1	11/04/05	EDK	ADDED ASBUILT INFORMATION

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FIELD BOOKS	SCALE	DATA
DESIGN/TOPO:	HOR.	DESIGN: RVP
STAKING:	VER.	DRAWN: SMT
ASBUILT:	GRID	CHECKED: EDK
FIELD BOOKS		DATE STAMPED: MAY 11, 2005

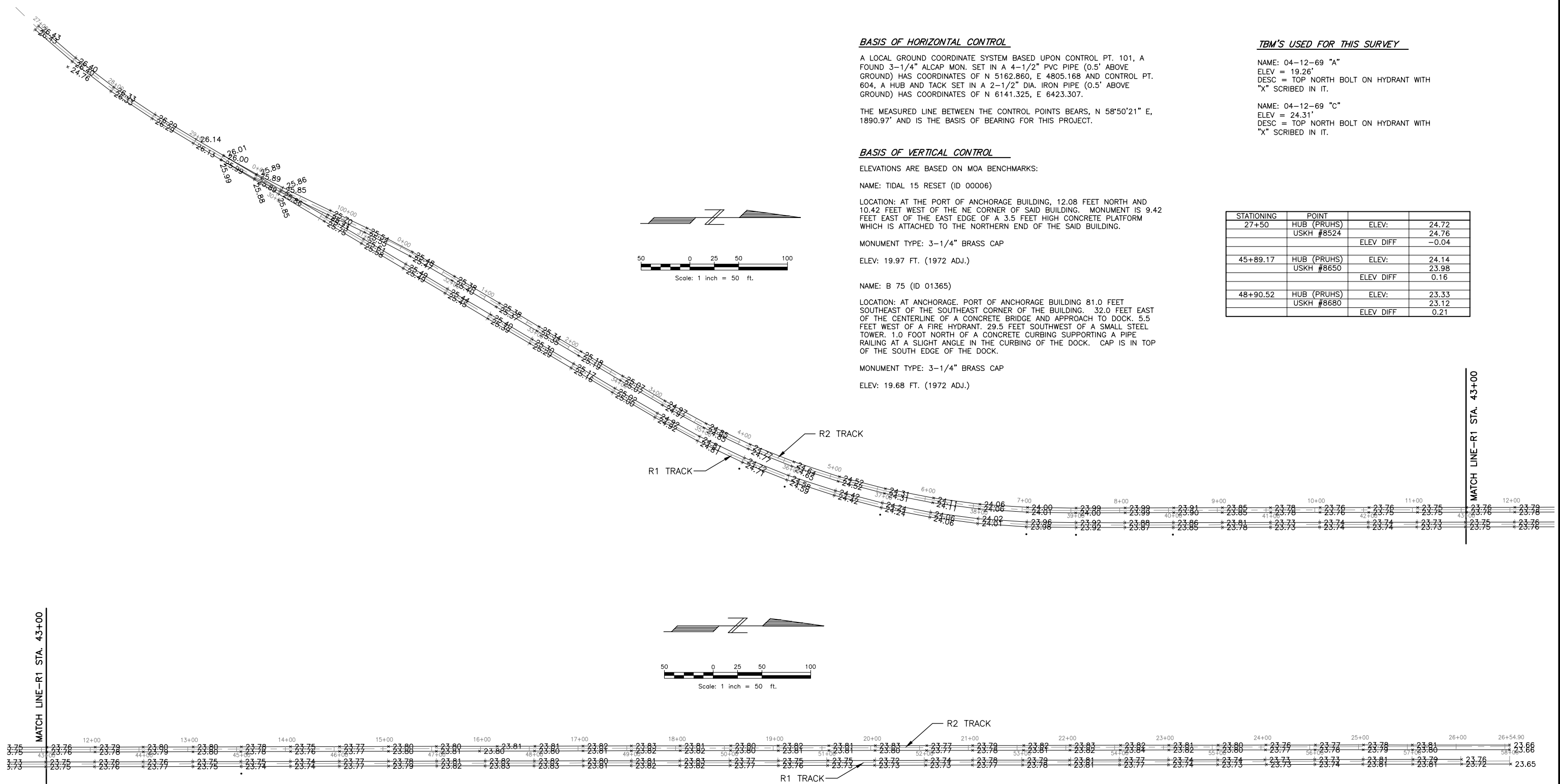
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PORT OF ANCHORAGE
TOFC YARD PHASES I & II
TYPICAL SECTIONS

SHEET NO.
RR16
W.O. NO. 840900

DRAWING NAME: I:\840900\Drawings\CasBuilt\Drawings\8409RR17.dwg PLOTTED: Aug 07, 2006 - 1:33pm



BASIS OF HORIZONTAL CONTROL

A LOCAL GROUND COORDINATE SYSTEM BASED UPON CONTROL PT. 101, A FOUND 3-1/4" ALCAP MON. SET IN A 4-1/2" PVC PIPE (0.5' ABOVE GROUND) HAS COORDINATES OF N 5162.860, E 4805.168 AND CONTROL PT. 604, A HUB AND TACK SET IN A 2-1/2" DIA. IRON PIPE (0.5' ABOVE GROUND) HAS COORDINATES OF N 6141.325, E 6423.307.

THE MEASURED LINE BETWEEN THE CONTROL POINTS BEARS, N 58°50'21" E, 1890.97' AND IS THE BASIS OF BEARING FOR THIS PROJECT.

BASIS OF VERTICAL CONTROL

ELEVATIONS ARE BASED ON MOA BENCHMARKS:

NAME: TIDAL 15 RESET (ID 00006)

LOCATION: AT THE PORT OF ANCHORAGE BUILDING, 12.08 FEET NORTH AND 10.42 FEET WEST OF THE NE CORNER OF SAID BUILDING. MONUMENT IS 9.42 FEET EAST OF THE EAST EDGE OF A 3.5 FEET HIGH CONCRETE PLATFORM WHICH IS ATTACHED TO THE NORTHERN END OF THE SAID BUILDING.

MONUMENT TYPE: 3-1/4" BRASS CAP

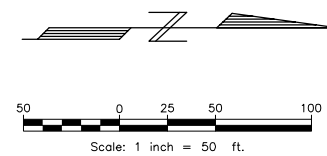
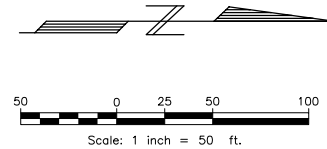
ELEV: 19.97 FT. (1972 ADJ.)

NAME: B 75 (ID 01365)

LOCATION: AT ANCHORAGE, PORT OF ANCHORAGE BUILDING 81.0 FEET SOUTHEAST OF THE SOUTHEAST CORNER OF THE BUILDING. 32.0 FEET EAST OF THE CENTERLINE OF A CONCRETE BRIDGE AND APPROACH TO DOCK. 5.5 FEET WEST OF A FIRE HYDRANT. 29.5 FEET SOUTHWEST OF A SMALL STEEL TOWER. 1.0 FOOT NORTH OF A CONCRETE CURBING SUPPORTING A PIPE RAILING AT A SLIGHT ANGLE IN THE CURBING OF THE DOCK. CAP IS IN TOP OF THE SOUTH EDGE OF THE DOCK.

MONUMENT TYPE: 3-1/4" BRASS CAP

ELEV: 19.68 FT. (1972 ADJ.)



TBM'S USED FOR THIS SURVEY

NAME: 04-12-69 "A"
ELEV = 19.26'
DESC = TOP NORTH BOLT ON HYDRANT WITH "X" SCRIBED IN IT.

NAME: 04-12-69 "C"
ELEV = 24.31'
DESC = TOP NORTH BOLT ON HYDRANT WITH "X" SCRIBED IN IT.

STATIONING	POINT	ELEV:	
27+50	HUB (PRUHS)	ELEV:	24.72
	USKH #8524	ELEV:	24.76
		ELEV DIFF	-0.04
45+89.17	HUB (PRUHS)	ELEV:	24.14
	USKH #8650	ELEV:	23.98
		ELEV DIFF	0.16
48+90.52	HUB (PRUHS)	ELEV:	23.33
	USKH #8680	ELEV:	23.12
		ELEV DIFF	0.21

MATCH LINE-R1 STA. 43+00

MATCH LINE-R1 STA. 43+00

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By EDK Date 12/23/2005

REV.	DATE	BY	REVISIONS	NO.	BASIS OF VERTICAL CONTROL	ELEV.	FIELD BOOKS	SCALE	DATA	DESIGN: JDE	DRAWN: GIS	CHECKED: EDK	DATE STAMPED: NOV. 2, 2005
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								GRID	DESIGN: JDE				

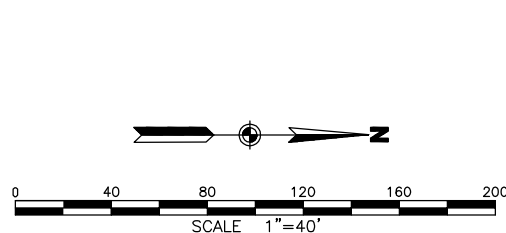
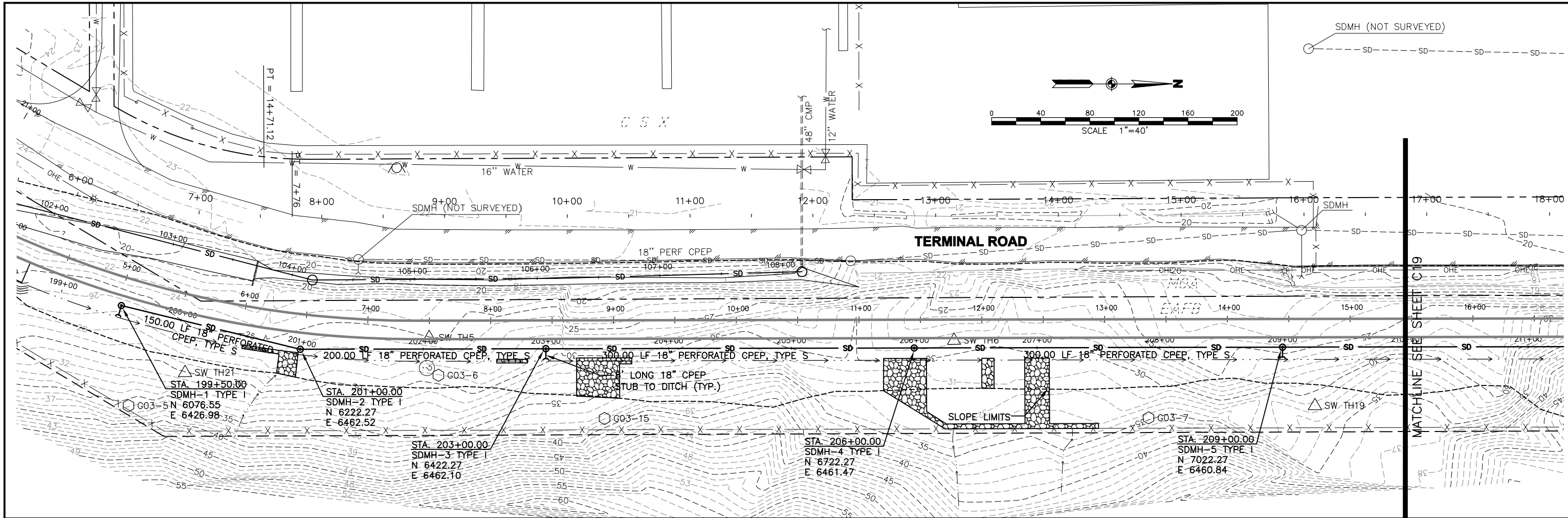
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Phone (907) 276-4245 FAX (907) 258-4653

Anchorage Port Expansion Team
2000 Anchorage Port Rd.
Anchorage, Alaska 99501
OWNER:

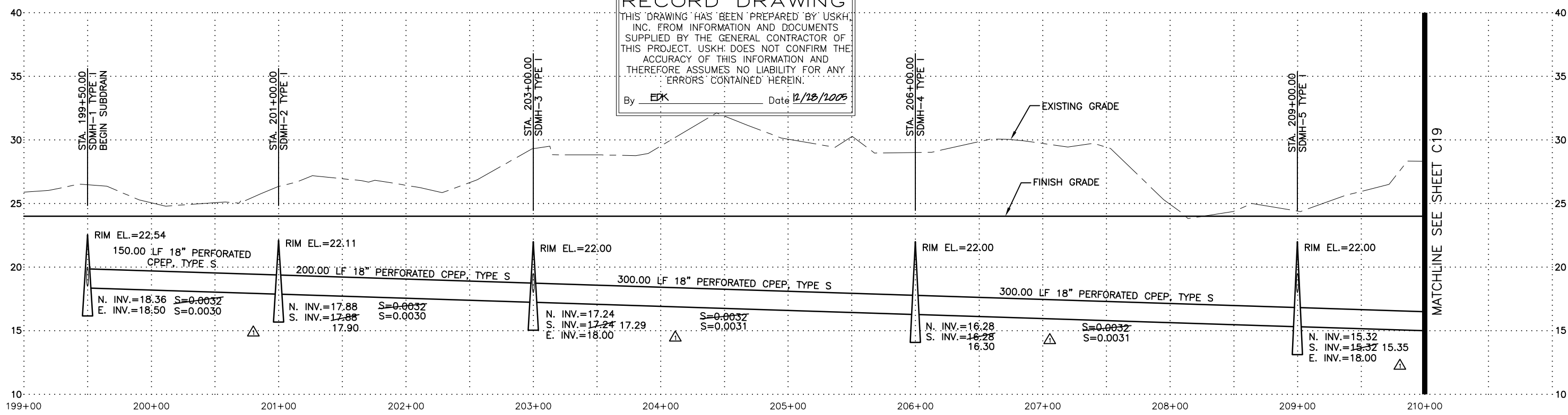
PORT OF ANCHORAGE
TOFC YARD PHASES I & II

**R1 & R2 TRACK
ASBUILT ELEVATIONS**

SHEET NO. **RR17**
W.O. NO. 840900



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DRAWING NAME: I:\840900\Draws\CAsBuilt\Draws\840900\18.dwg PLOTTED: Aug 07, 2006 - 1:33pm

REV.	DATE	BY	ADDED ASBUILT INFORMATION	NO.	BASIS OF VERTICAL CONTROL	ELEV.	FIELD BOOKS
11/04/05	EDK						

FIELD BOOKS	SCALE	DATA
DESIGN/TOPO:	HOR. 1"=40'	DESIGN: EDK
STAKING:	VER.	DRAWN: GIS,SMT
ASBUILT:	GRID	CHECKED: EDK
		DATE STAMPED: AUGUST 5, 2005

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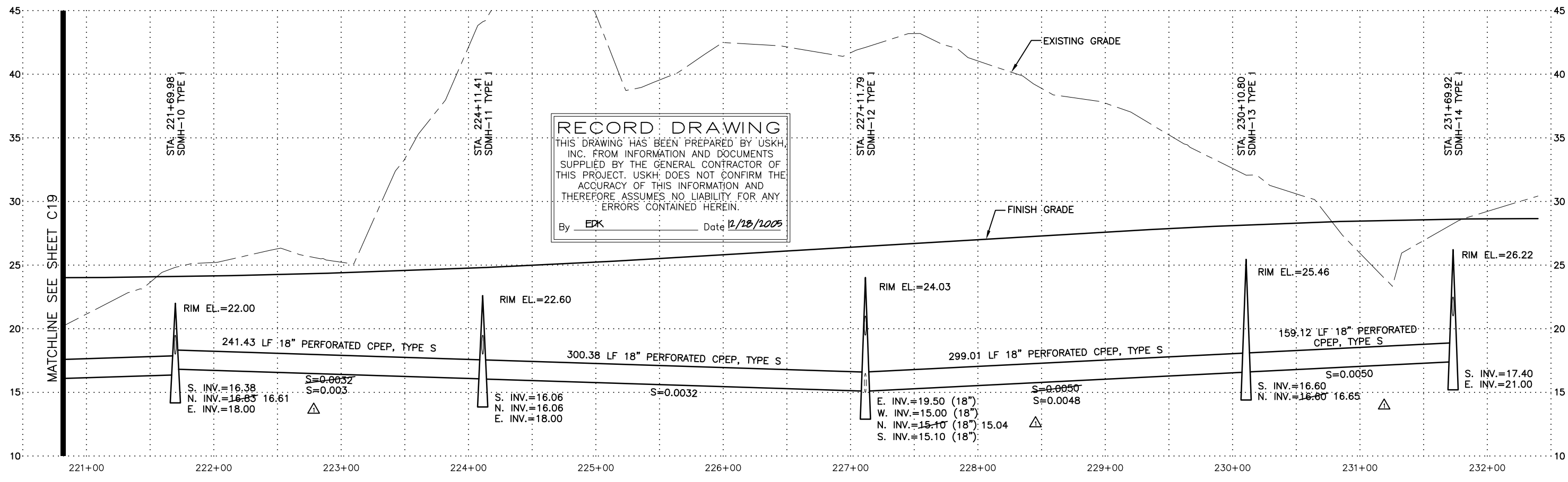
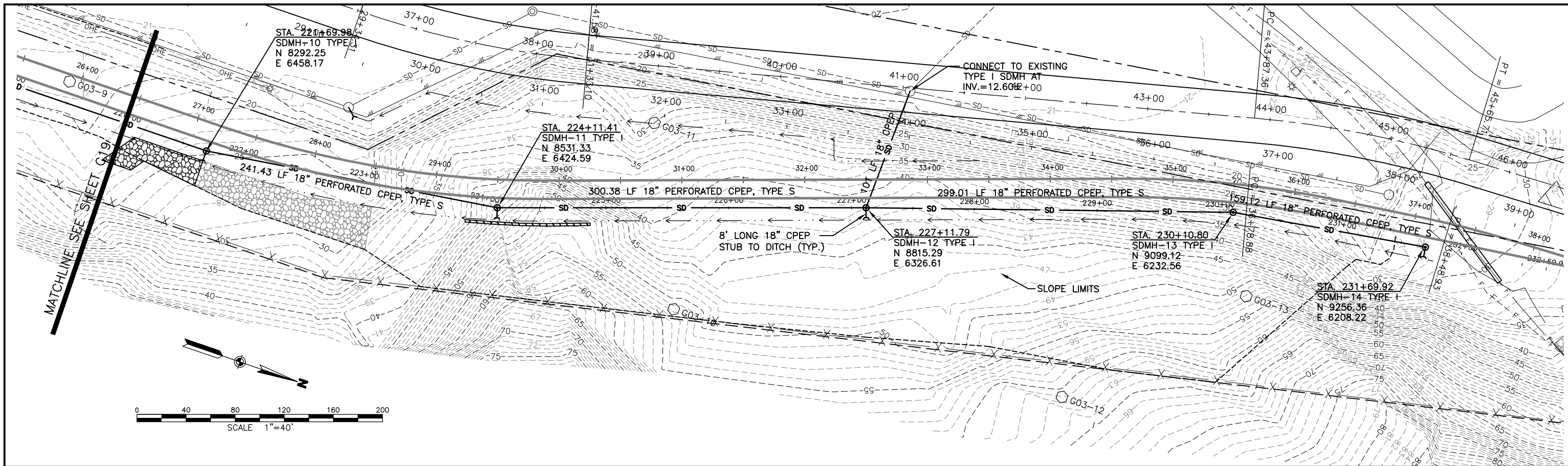
Anchorage Port Expansion Team
 2000 Anchorage Port Rd.
 Anchorage, Alaska 99501
 OWNER:

PORT OF ANCHORAGE
 TOFC YARD PHASES I & II

**18" STORM DRAIN
 PLAN AND PROFILE**

SHEET NO.
C18

W.O. NO. 840900



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 By EDK Date 12/18/2005

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11/04/05		EDK					

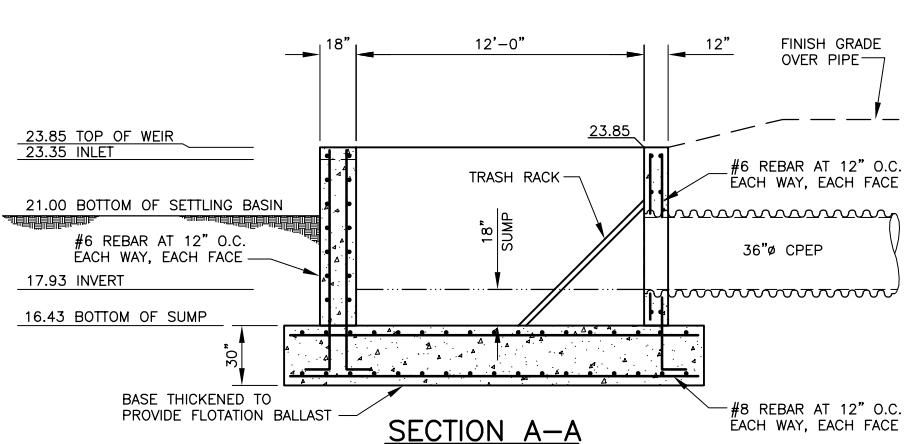
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STAKING:	VER.	DRAWN: GIS,SMT
ASBUILT:	GRID	CHECKED: EDK
		DATE STAMPED: AUGUST 5, 2005

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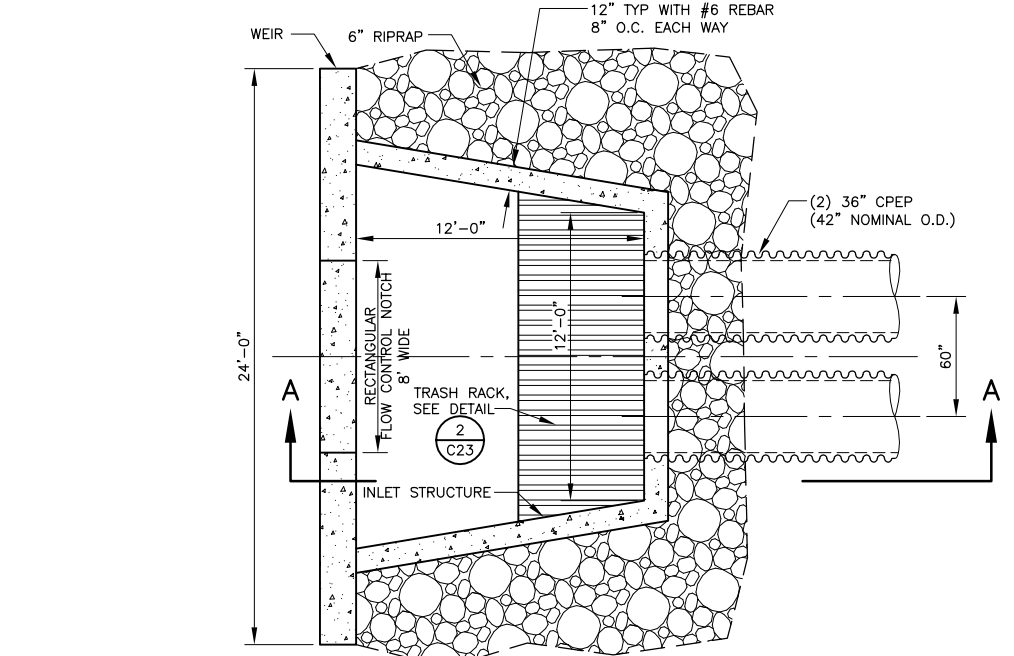
Anchorage Port
Expansion Team
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Anchorage, Alaska 99501
 OWNER:

PORT OF ANCHORAGE
TOFC YARD PHASES I & II
 18" STORM DRAIN
PLAN AND PROFILE

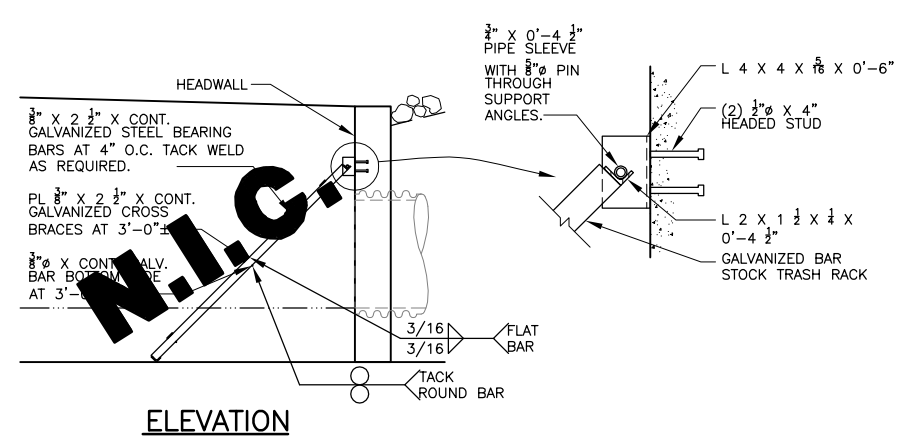
SHEET NO.
C20
W.O. NO. 840900



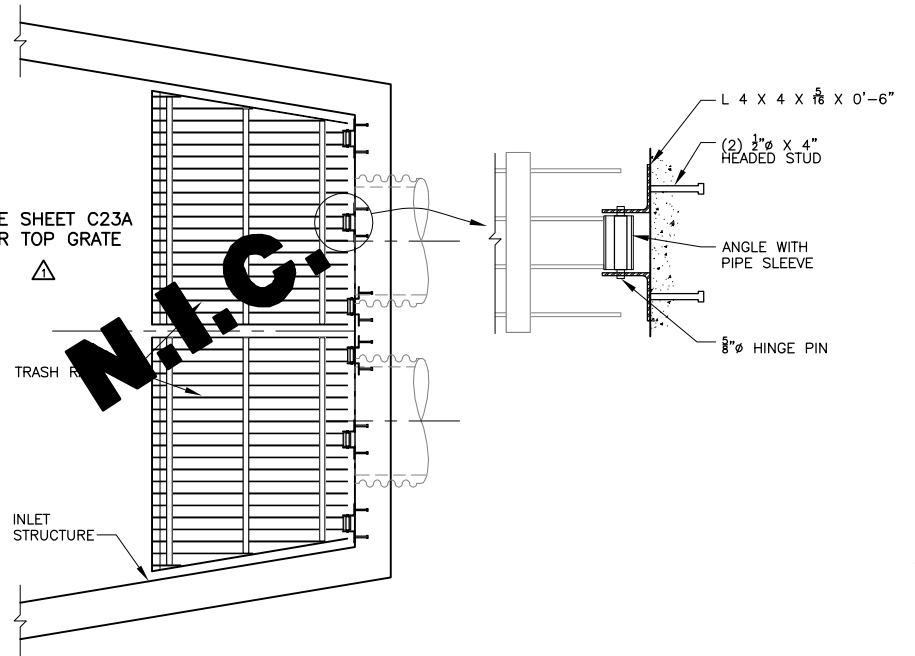
SECTION A-A



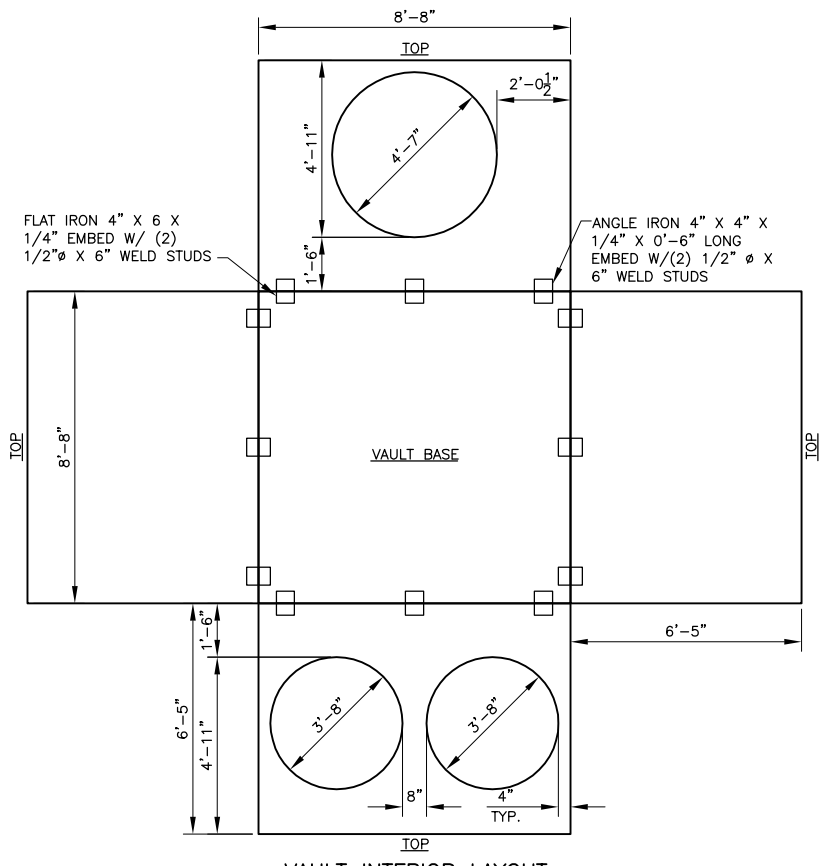
PLAN VIEW



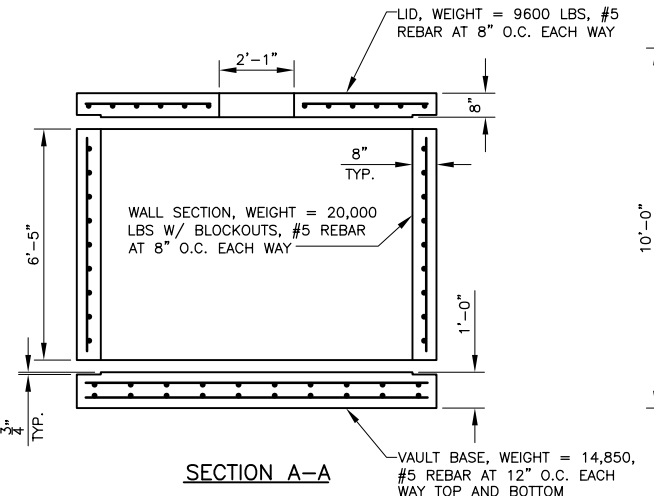
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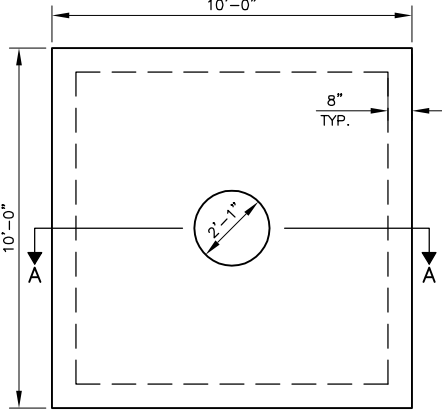
PLAN VIEW



VAULT INTERIOR LAYOUT



SECTION A-A



PLAN VIEW

1 WEIR AND SPILLWAY

C23 SCALE: 1"=4'

2 TRASH RACK DETAIL

C23 SCALE: N.T.S.

3 STORM DRAIN MANHOLE, TYPE III SQUARE

C23 SCALE: N.T.S.

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REV.	DATE	BY	ADDED ASBUILT INFORMATION	NO.	BASIS OF VERTICAL CONTROL	ELEV.	FIELD BOOKS
1	11/04/05	EDK	ADDED ASBUILT INFORMATION				

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 OWNER:

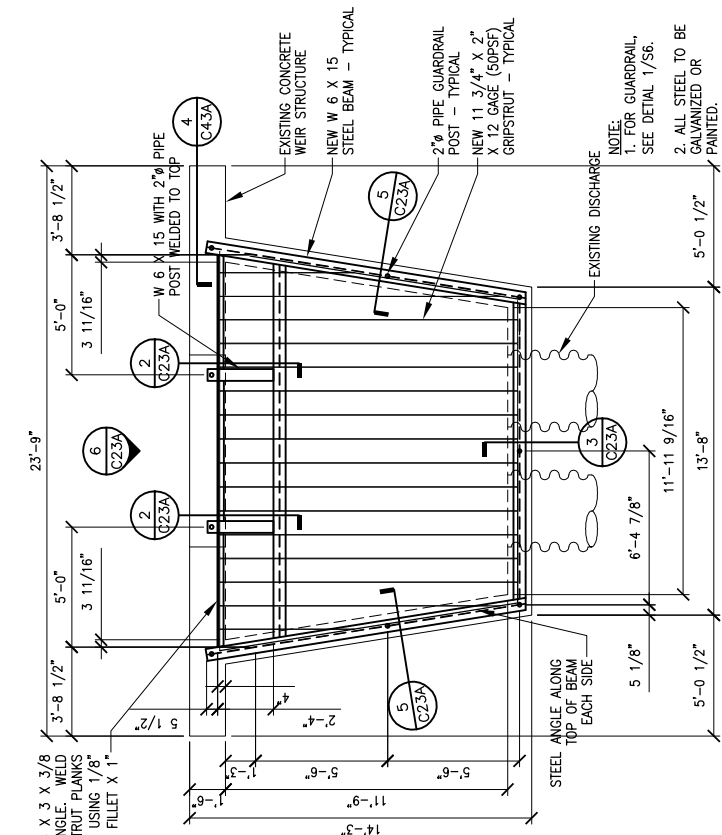
PORT OF ANCHORAGE
 TOFC YARD PHASES I & II

STORM DRAIN
 TYPICAL SECTIONS AND DETAILS

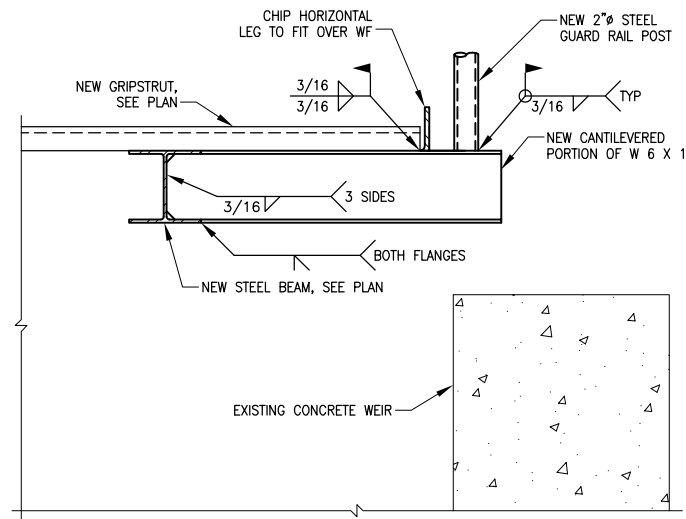
SHEET NO.
C23

W.O. NO. 840900

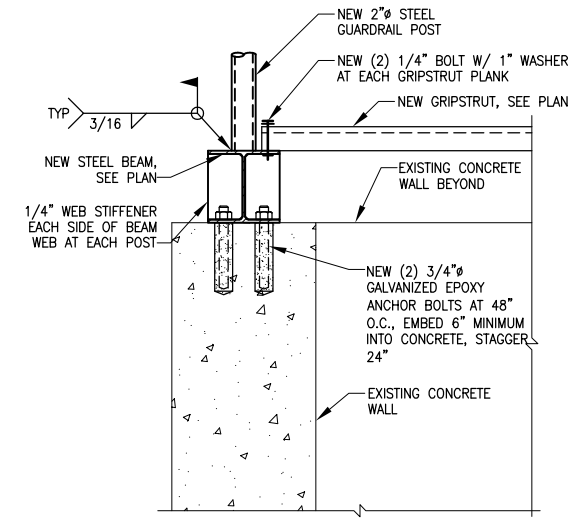
DATE STAMPED: AUGUST 5, 2005



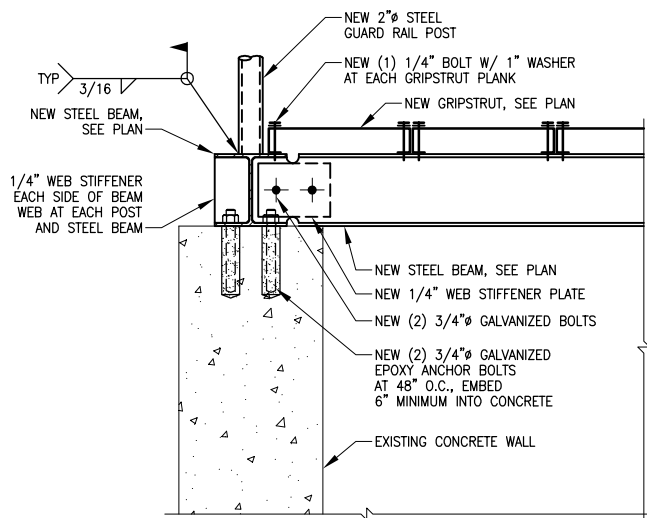
1 PLAN - NEW GRIPSTRUT AT EXISTING WEIR
SCALE: 1/4"=1'-0"



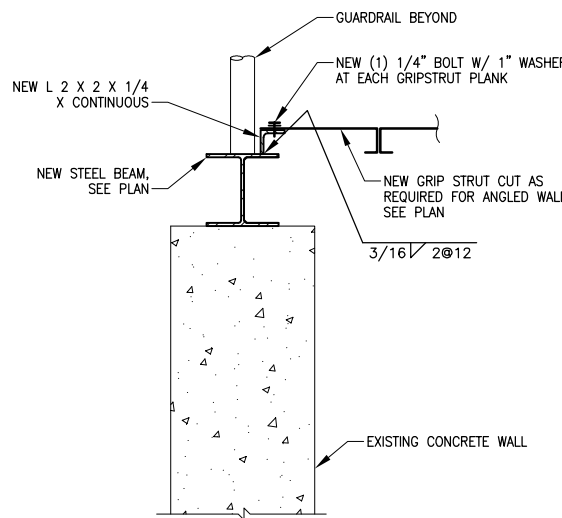
2 NEW GRIPSTRUT AT EXISTING WEIR
SCALE: 1 1/2"=1'-0"



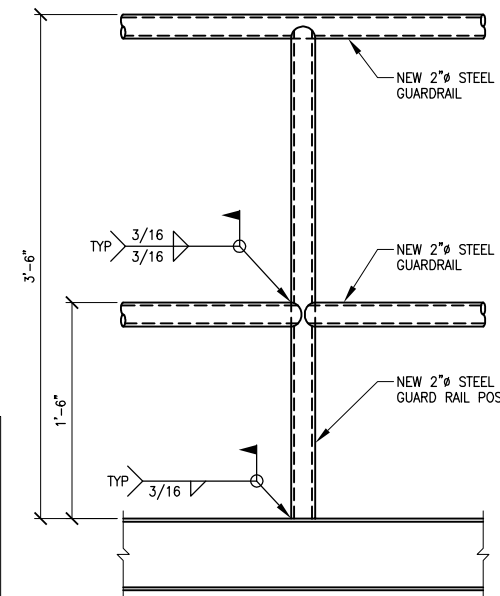
3 NEW GRIPSTRUT AT EXISTING CONCRETE WALL
SCALE: 1 1/2"=1'-0"



4 NEW STEEL BEAM AT EXISTING CONCRETE WEIR
SCALE: 1 1/2"=1'-0"



5 TYPICAL GRIPSTRUT AT STEEL ANGLE
SCALE: 1 1/2"=1'-0"



6 TYPICAL GUARDRAIL
SCALE: 1 1/2"=1'-0"

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By EDK Date 12/28/2005

DRAWING NAME: I:\840900\Draws\C\AsBuilt\Draws\840900\Draws\840900\Draws\C23A.dwg PLOTTED: Aug 07, 2006 - 1:34pm

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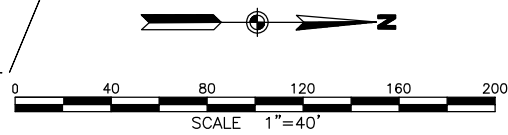
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STAKING:	VER.	DRAWN: GIS,DJR
ASBUILT:	GRID	CHECKED: EDK
		DATE STAMPED: AUGUST 5, 2005

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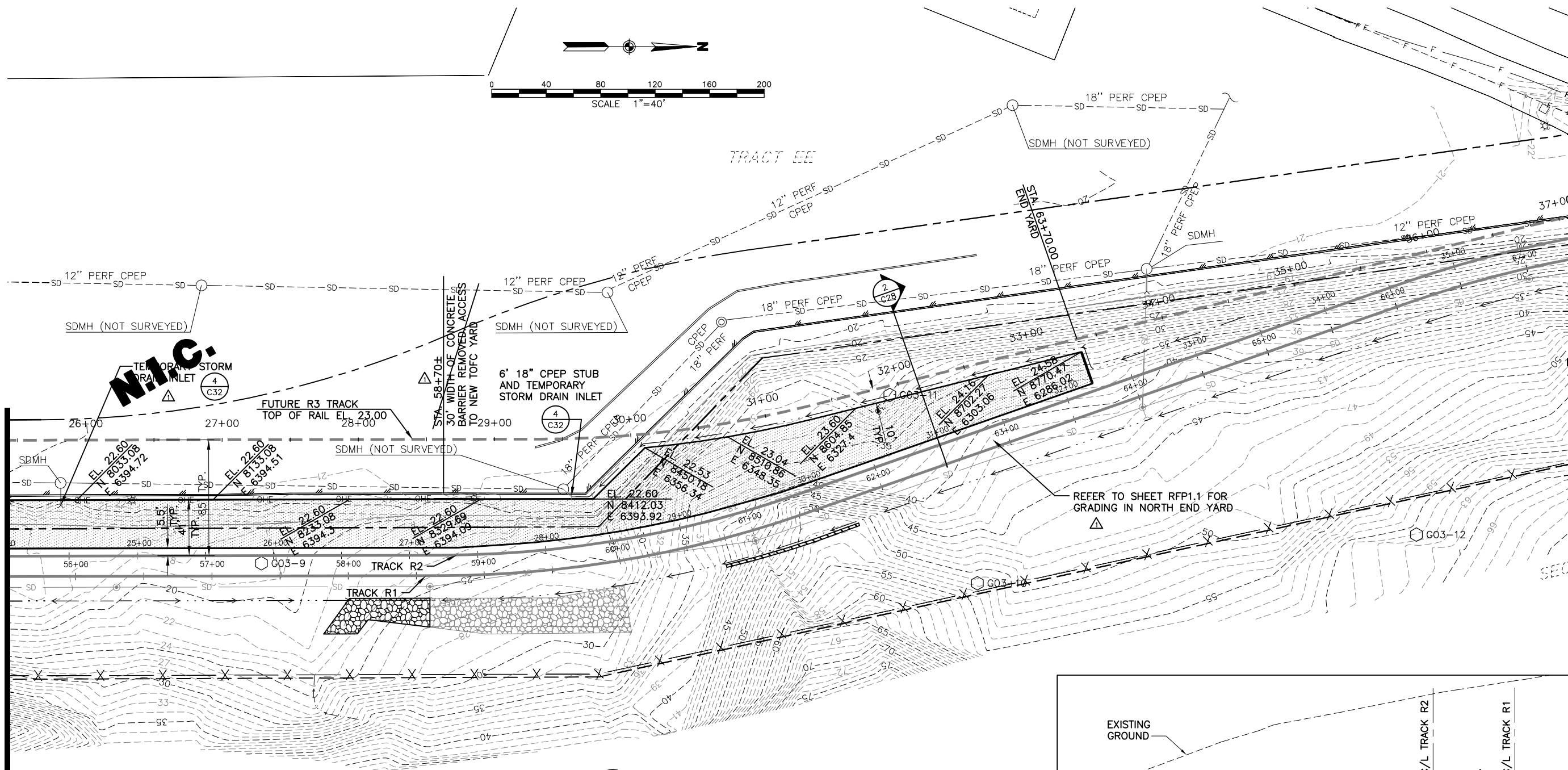
PORT OF ANCHORAGE
TOFC YARD PHASES I & II
TOFC YARD WEIR MODIFICATIONS

SHEET NO.
C23A
W.O. NO. 840900



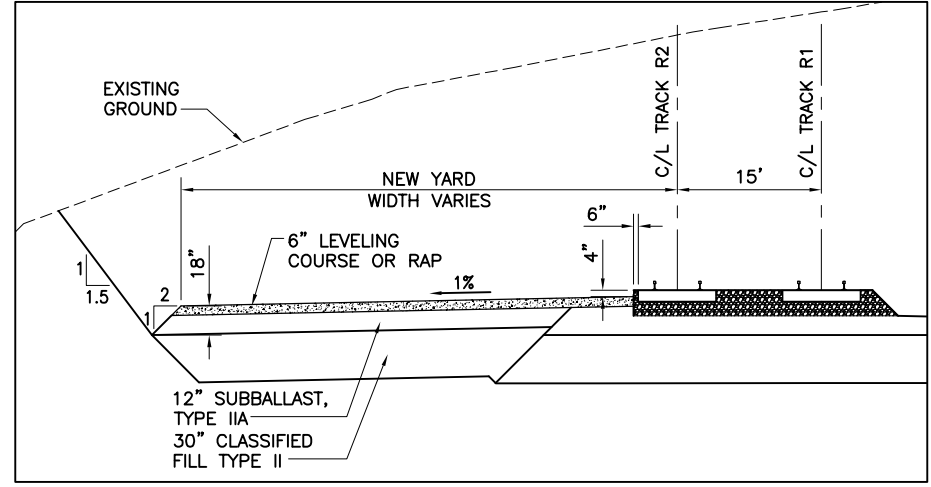
N.I.C.

MATCHLINE SEE SHEET C24B



1 YARD GRADING PLAN
C28 SCALE: 1"=40'

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2 SECTION B
C28 SCALE: 1"=10'

DRAWING NAME: I:\840900\Draws\CAsBuilt\Draws\840900C28.dwg PLOTTED: Aug 07, 2006 - 1:35pm

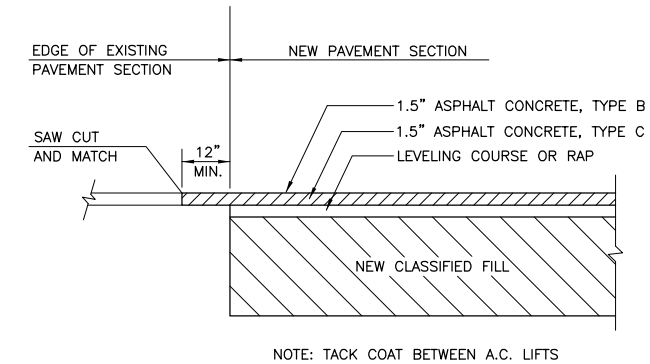
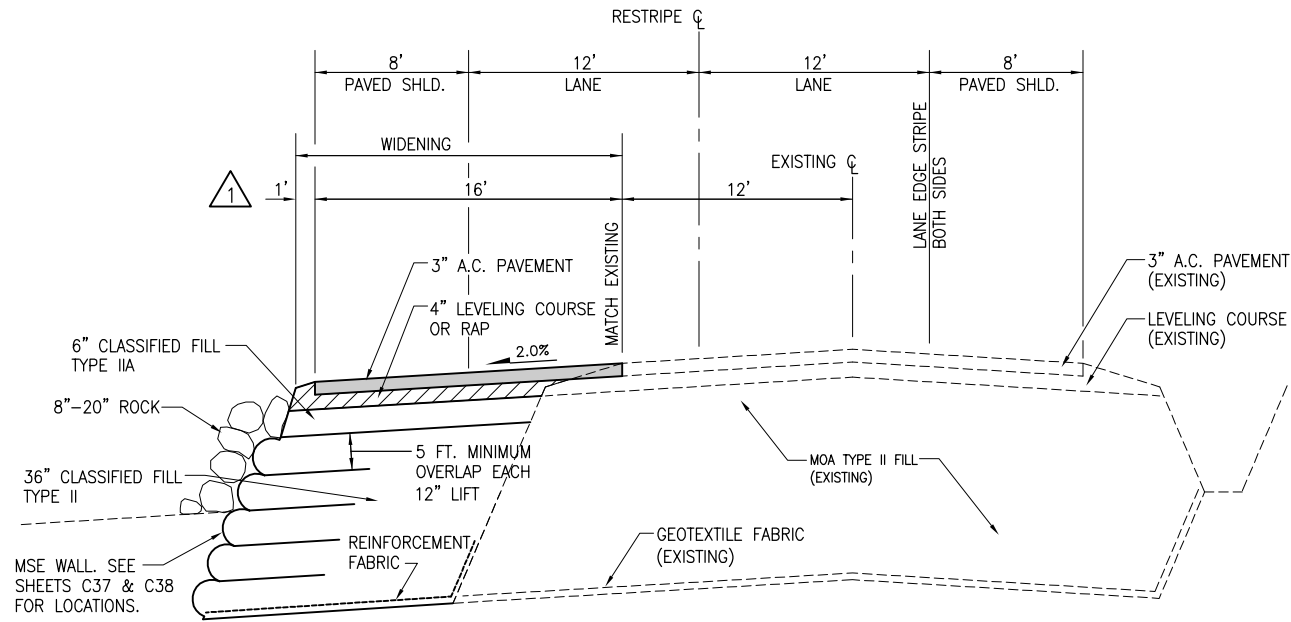
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								GRID	CHECKED:	EDK	
									DATE STAMPED:	AUGUST 5, 2005	

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Anchorage Port Expansion Team
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Anchorage, Alaska 99501
OWNER:

PORT OF ANCHORAGE
TOFC YARD PHASES I & II
TOFC YARD GRADING PLAN
SHEET 3

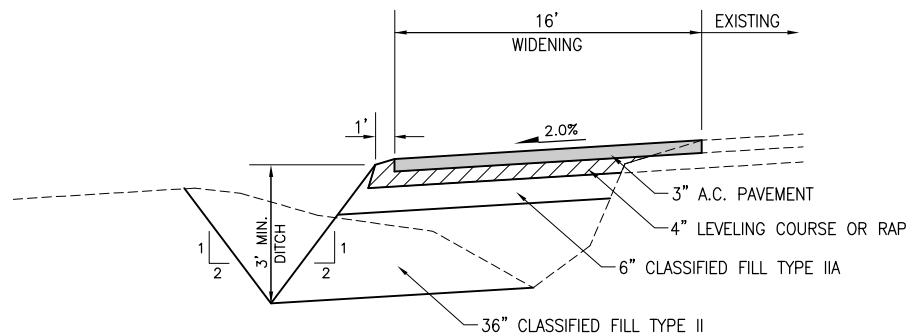
SHEET NO.
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W.O. NO. 840900



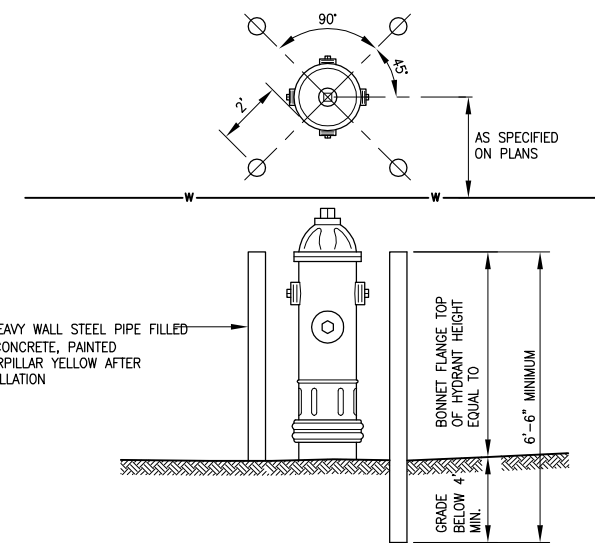
1 TERMINAL ROAD - TYPICAL WIDENING SECTION - MSE WALL ONLY
C29 SCALE: N.T.S.

2 STA. 10+40 TO STA. 12+00 AND
STA. 16+10 TO STA. 17+10
N.I.C. 3

2 PAVEMENT MATCH DETAIL
C29 SCALE: N.T.S.



3 TERMINAL ROAD - TYPICAL WIDENING SECTION
C29 SCALE: N.T.S.



4 HYDRANT GUARD POSTS
C29 SCALE: N.T.S.

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DRAWING NAME: I:\840900\Draws\CAsBuilt\Draws\840900C29.dwg PLOTTED: Aug 07, 2006 - 1:35pm

REV.	DATE	BY	REVISIONS	NO.	BASIS OF VERTICAL CONTROL	ELEV.	FIELD BOOKS	SCALE	DATA	DATE STAMPED:
3	11/04/05	EDK	ADDED ASBUILT INFORMATION					FIELD BOOKS	DESIGN: EDK	AUGUST 5, 2005
2	5/12/05	EDK	ADDED SECTION 3 AND DETAIL 4					STAKING:	DRAWN: SMT	
1	4/22/05	EDK	REVISED TERMINAL ROAD TYPICAL SECTION					ASBUILT:	CHECKED: EDK	

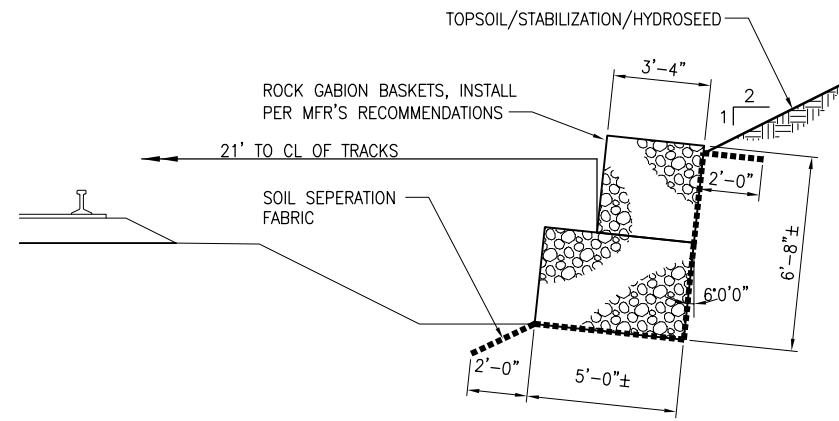
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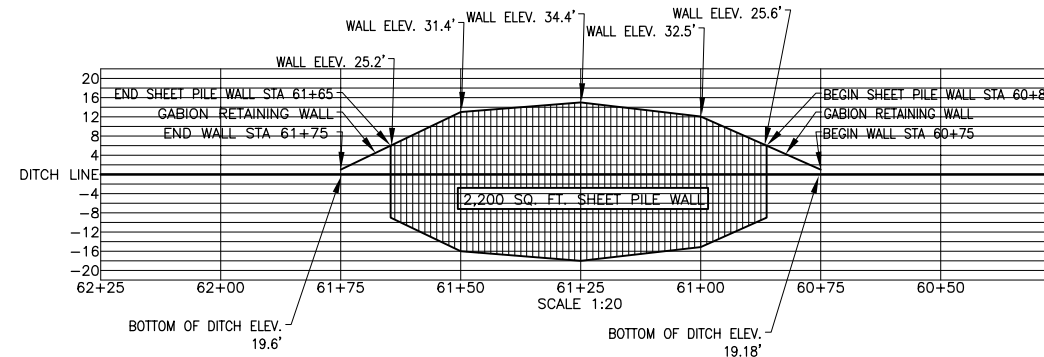
PORT OF ANCHORAGE
TOFC YARD PHASES I & II

TYPICAL SECTIONS
AND DETAILS

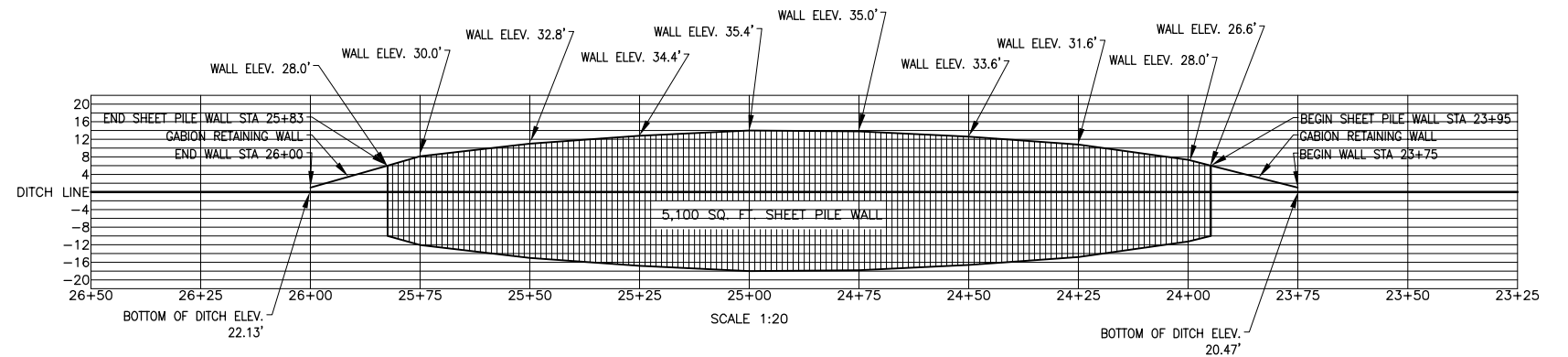
SHEET NO.
C29
W.O. NO. 840900



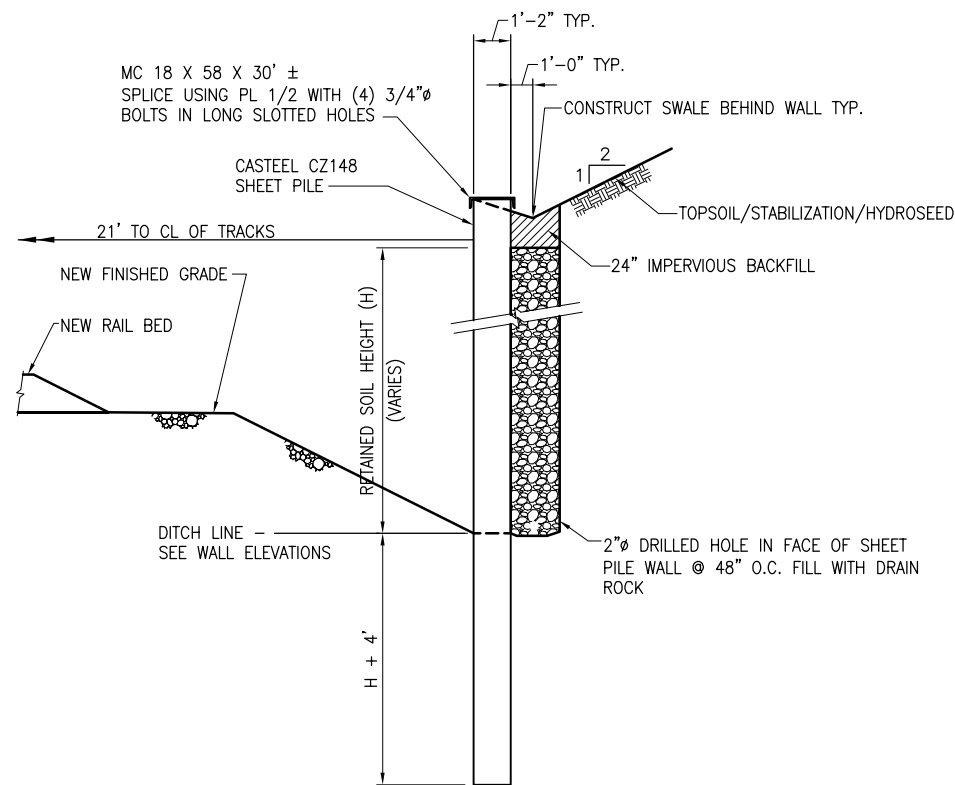
1 GABION WALL DETAIL
C30 SCALE: N.T.S.



2 SHEET PILE WALL ELEVATION STA. 60+85 TO 61+75
C30 SCALE: 1"=20'



3 SHEET PILE WALL ELEVATION STA. 23+95 TO 26+83
C30 SCALE: 1"=20'



4 TYPICAL SHEET PILE WALL SECTION
C30 SCALE: N.T.S.

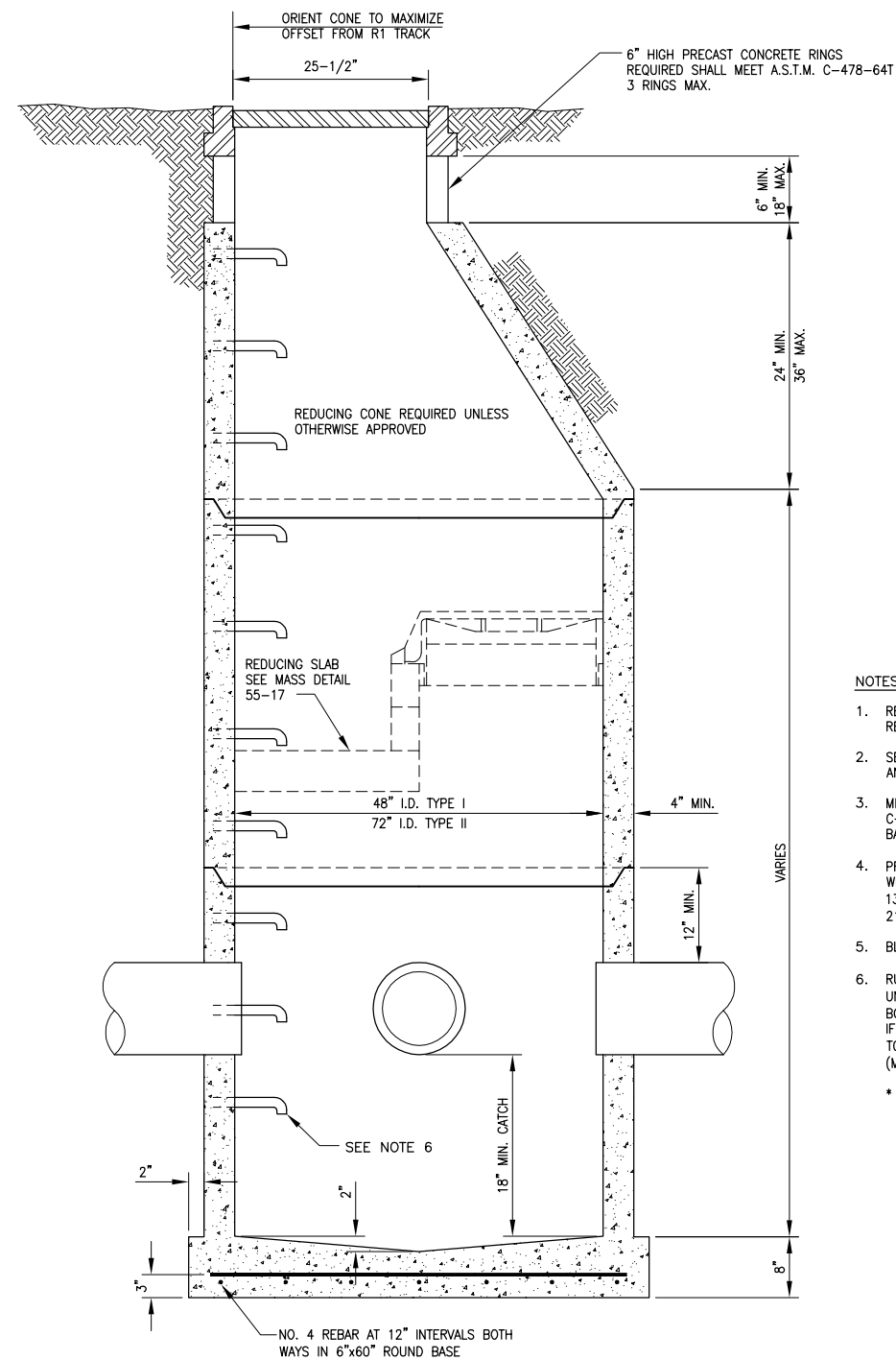
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REV.	DATE	BY	REVISIONS	NO.	BASIS OF VERTICAL CONTROL	ELEV.	FIELD BOOKS

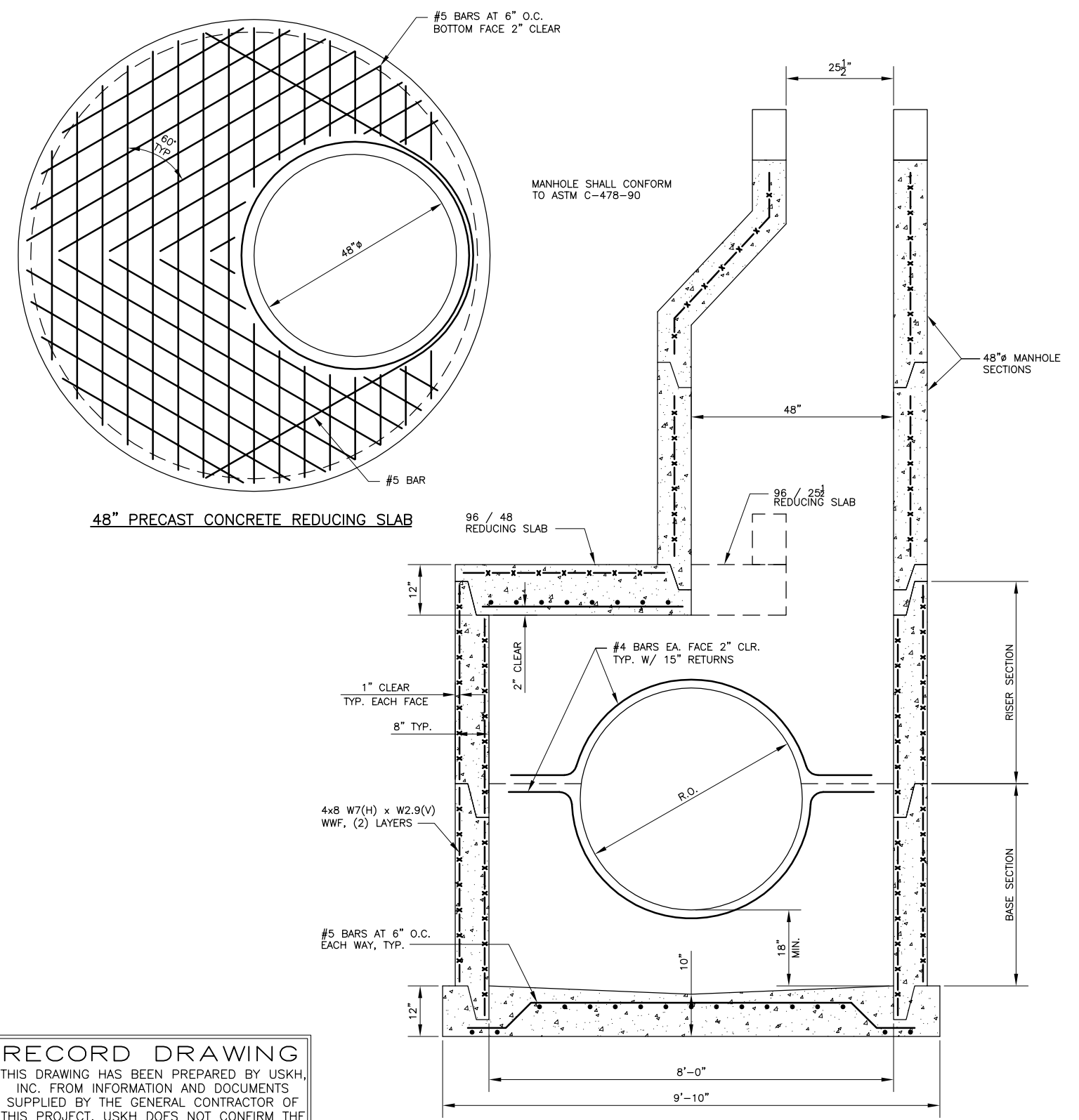
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STAKING:	VER.	DRAWN: SMT
ASBUILT:	GRID	CHECKED: EDK
		DATA
		DATE STAMPED: AUGUST 5, 2005

<p>ANCHORAGE • WASILLA • JUNEAU • FAIRBANKS 2515 'A' Street • Anchorage, Alaska 99503 Phone (907) 276-4245 FAX (907) 258-4653</p>	<p>Anchorage Port Expansion Team 2000 Anchorage Port Rd. Anchorage, Alaska 99501 OWNER:</p>	PORT OF ANCHORAGE TOFC YARD PHASES I & II TYPICAL SECTIONS AND DETAILS	SHEET NO. C30 W.O. NO. 840900
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1 STORM DRAIN MANHOLE, TYPE I
C31 SCALE: N.T.S.

- NOTES:
- REFER TO A.S.T.M. DESIGNATION C-470-69 FOR DESIGN REQUIREMENTS.
 - SEE MANHOLE FRAME AND COVER MASS DETAIL 55-10 AND 55-11.
 - MINIMUM STEEL REQUIRED FOR BARREL AS PER A.S.T.M. C-478-69 SHALL BE IMBEDDED IN BASE SO THAT FIRST BARREL SECTION IS CONNECTED WITH BASE.
 - PRIMARY LEADS NOT TO EXCEED 30° CMP* OR 27° RCP WITH INCLUDED ANGLE BETWEEN LEADS NO LESS THAN 135° OR PRIMARY LEAD NOT TO EXCEED 24° CMP OR 21° RCP WITH INCLUDED ANGLE LESS THAN 135°.
 - BLOCKOUTS TO BE FORMED.
 - RUNGS TO BE PLACED 12" ON CENTER ON UNOBSTRUCTED SIDE OF MANHOLE 18" MAX. FROM BOTTOM OF MANHOLE AND 6" MAX. FROM TOP OF CONE. IF UNOBSTRUCTED SIDE NOT AVAILABLE, BOTTOM RUNG TO BE PLACED 6" OVER SMALLEST PIPE. SEE RUNG (MANHOLE STEP) MASS DETAIL 55-7 AND 55-8.
* INCLUDES PCMP AND CPEP

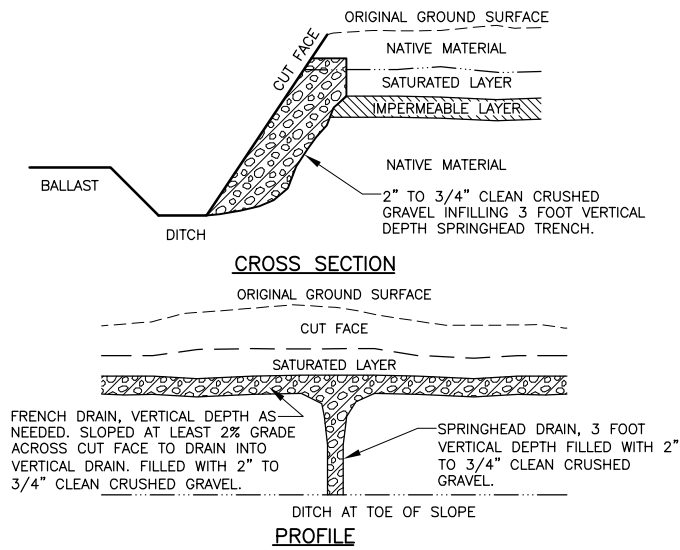


2 STORM DRAIN MANHOLE, TYPE III
C31 SCALE: N.T.S.

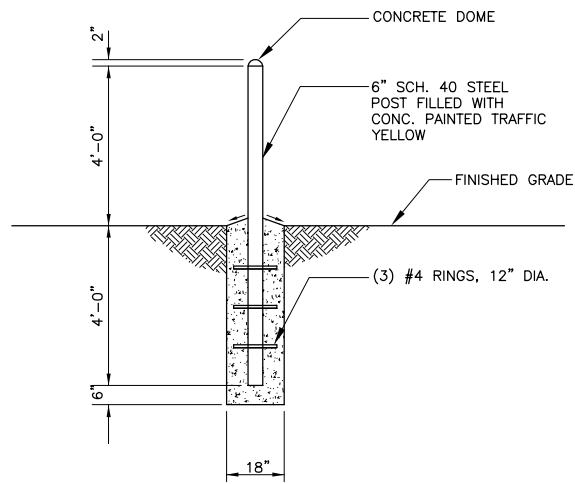
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By **EDK** Date **12/28/2005**

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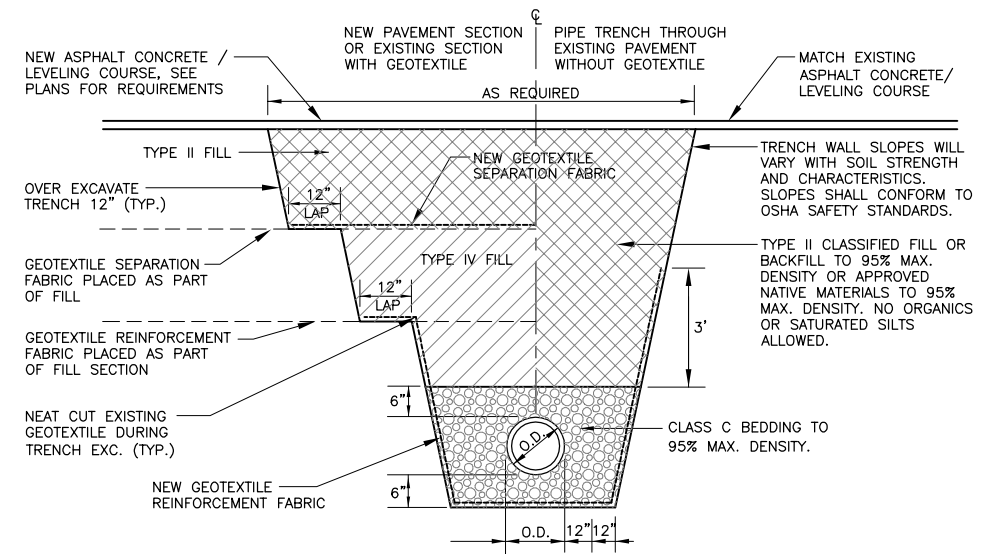
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1 SPRINGHEAD DRAIN DETAIL
C32 SCALE: N.T.S.

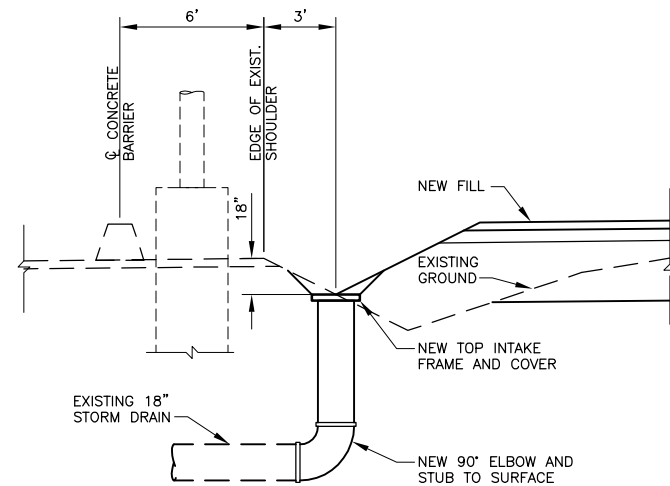


2 GUARD POST DETAIL
C32 SCALE: N.T.S.



- NOTES:
- 1) SEE MASS STD. DETAIL 55-2 FOR SUBDRAIN BEDDING,
 - 2) IF EXISTING GEOTEXTILE IS ENCOUNTERED DURING EXCAVATION OF OLDER EXISTING PAVEMENT AREAS, TRENCH SHALL BE OVEREXCAVATED 12" MIN. EACH SIDE AND NEW GEOTEXTILE SHALL BE PLACED WITH A 12" MIN. LAP.

3 STORM DRAIN TRENCH SECTION
C32 SCALE: N.T.S.



4 TEMPORARY STORM DRAIN INLET
C32 SCALE: N.T.S.

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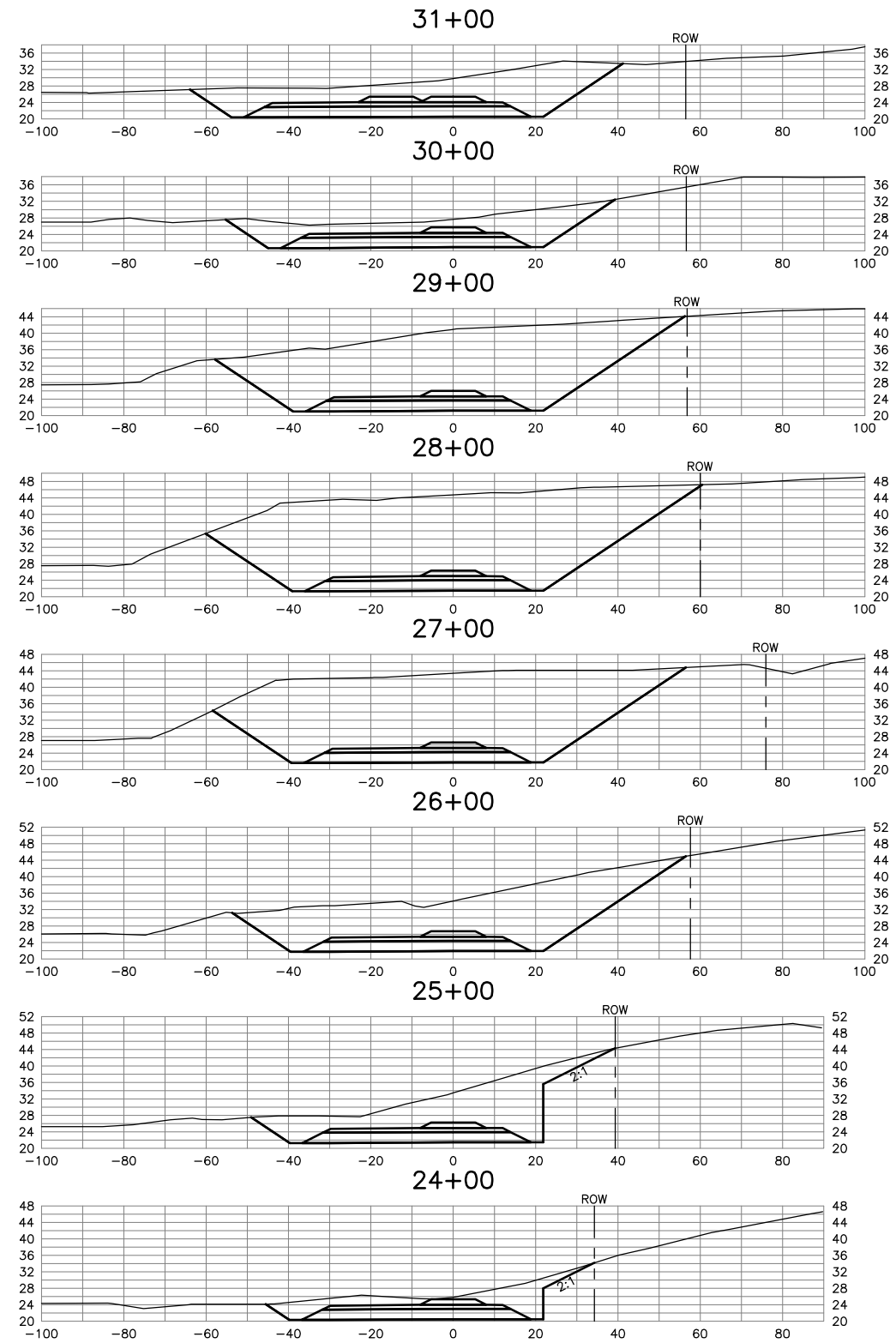
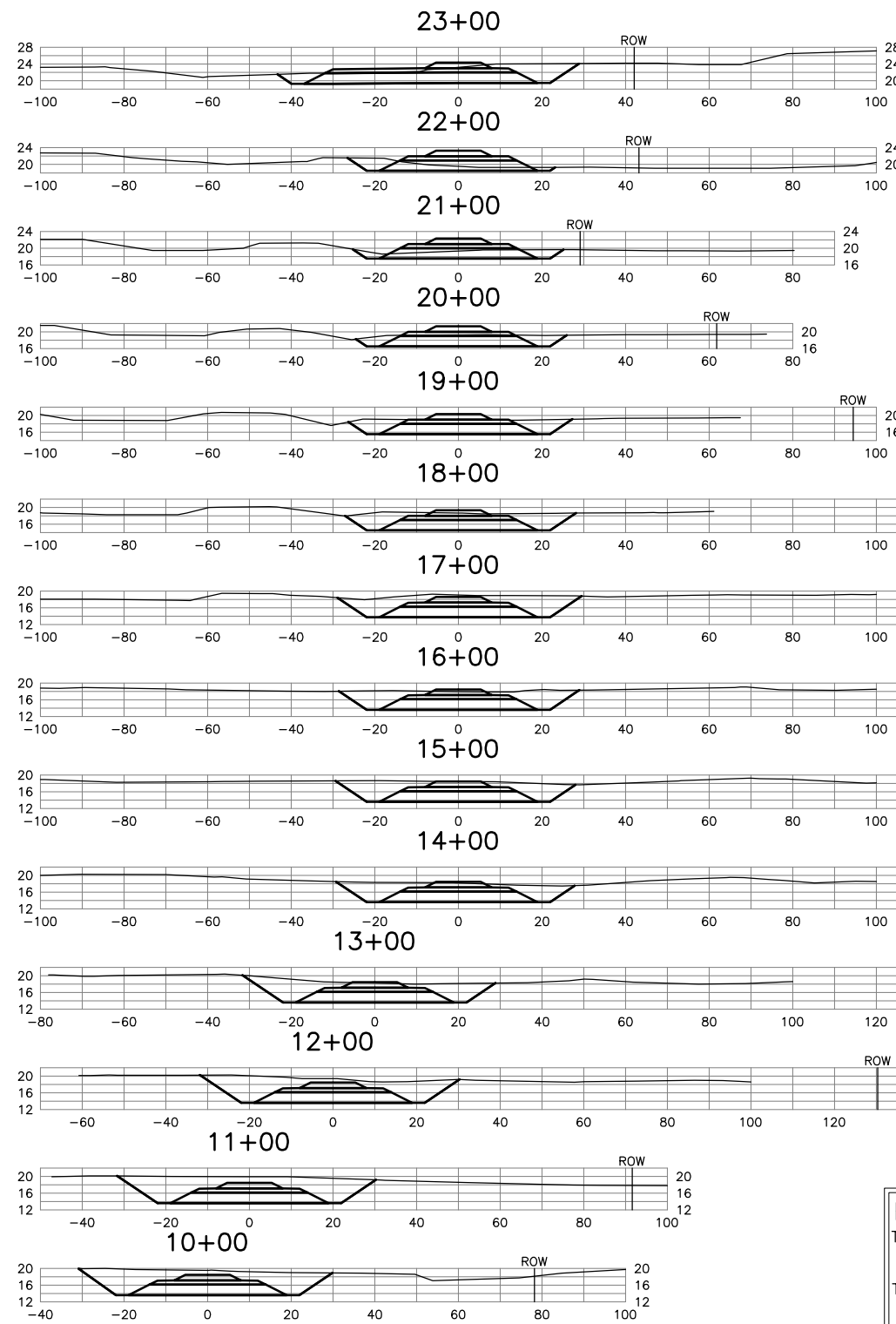
PORT OF ANCHORAGE
TOFC YARD PHASES I & II

TYPICAL SECTIONS AND DETAILS

SHEET NO.
C32

W.O. NO. 840900

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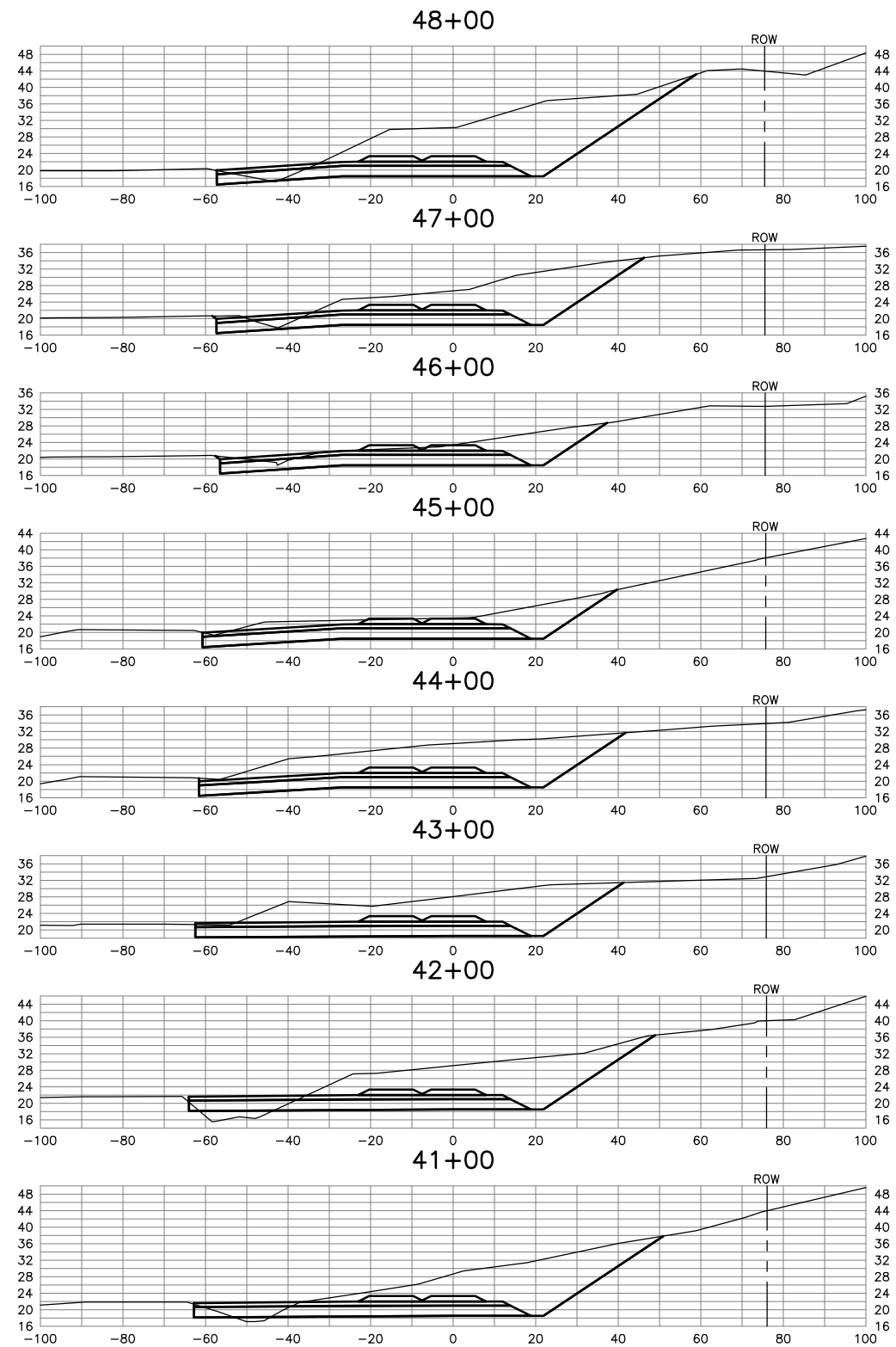
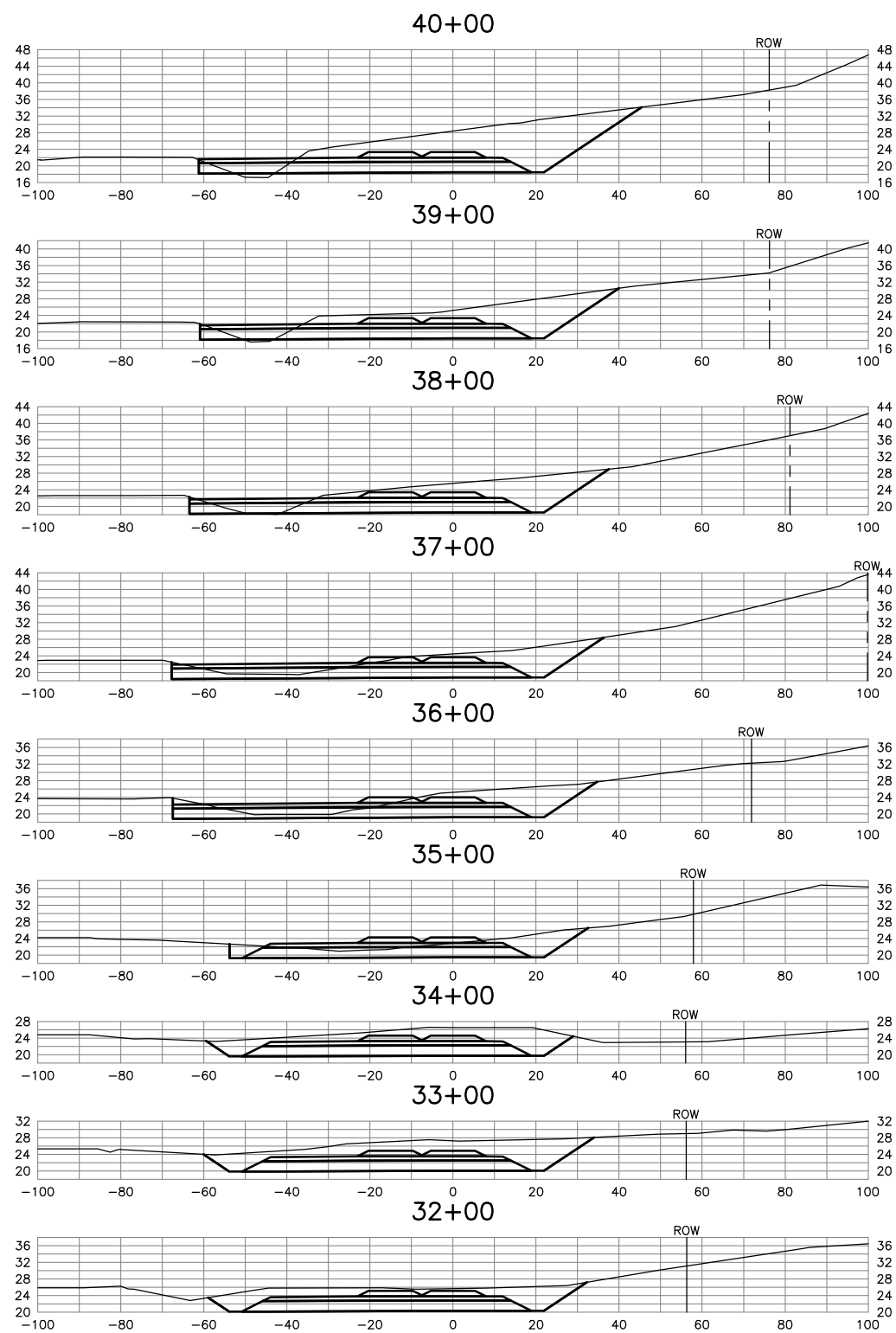
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PORT OF ANCHORAGE
 TOFC YARD PHASES I & II
 CROSS SECTIONS - RAIL

SHEET NO.
C33
 W.O. NO. 840900

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 By EDK Date 12/23/2005

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DATE STAMPED:	AUGUST 5, 2005
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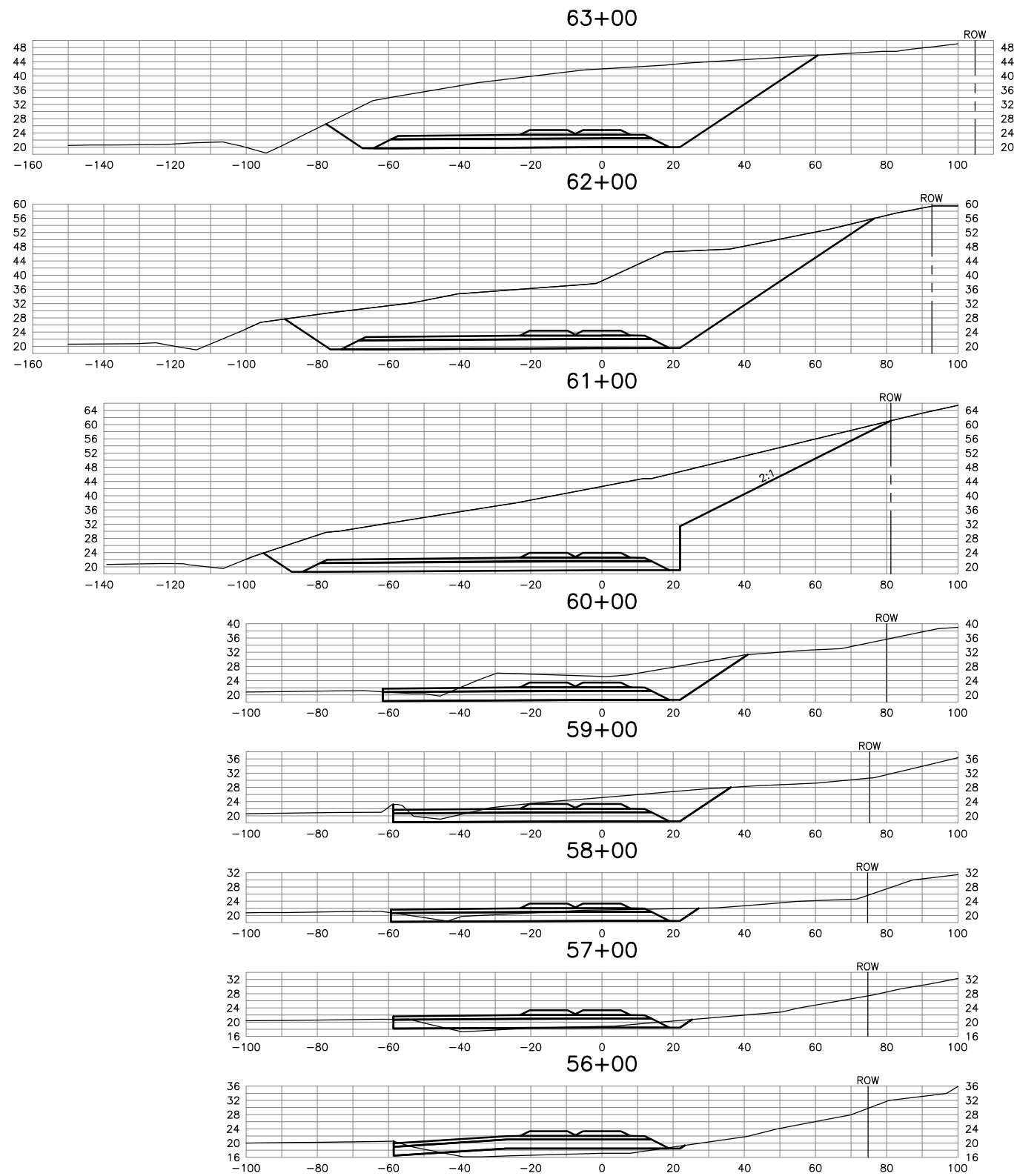
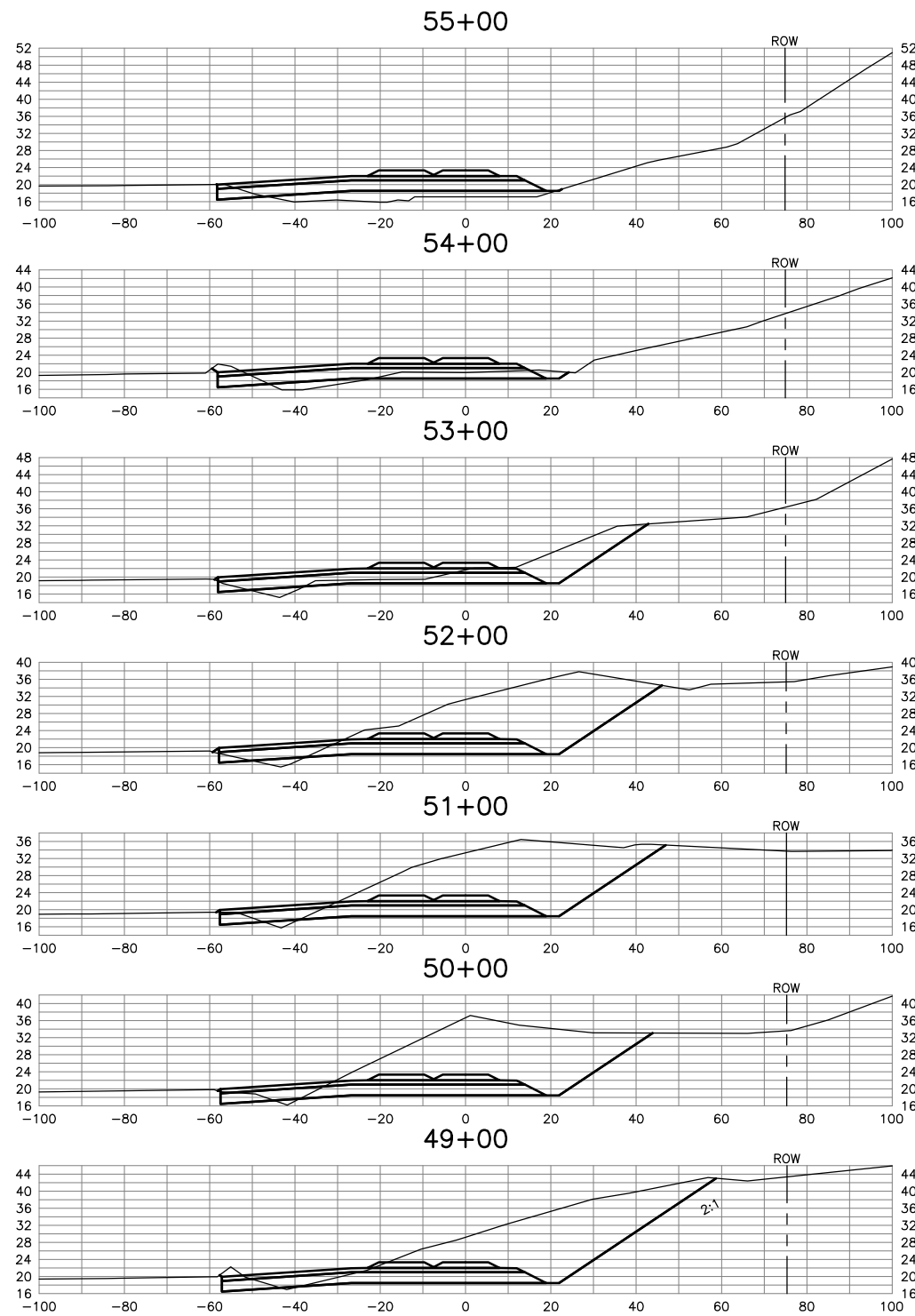
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 CROSS SECTIONS - RAIL

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FIELD BOOKS	SCALE	DATA
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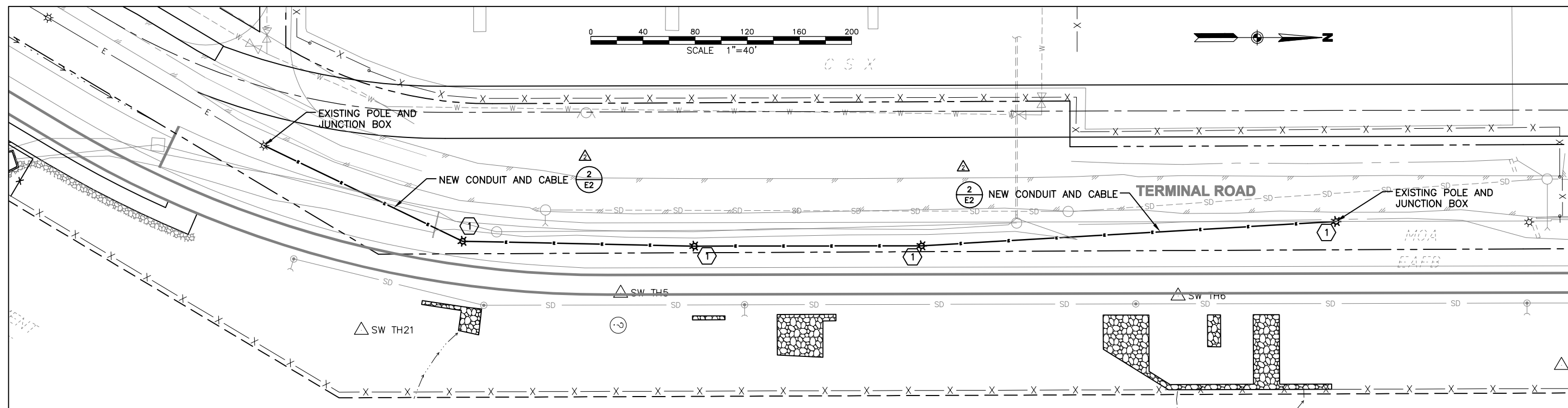
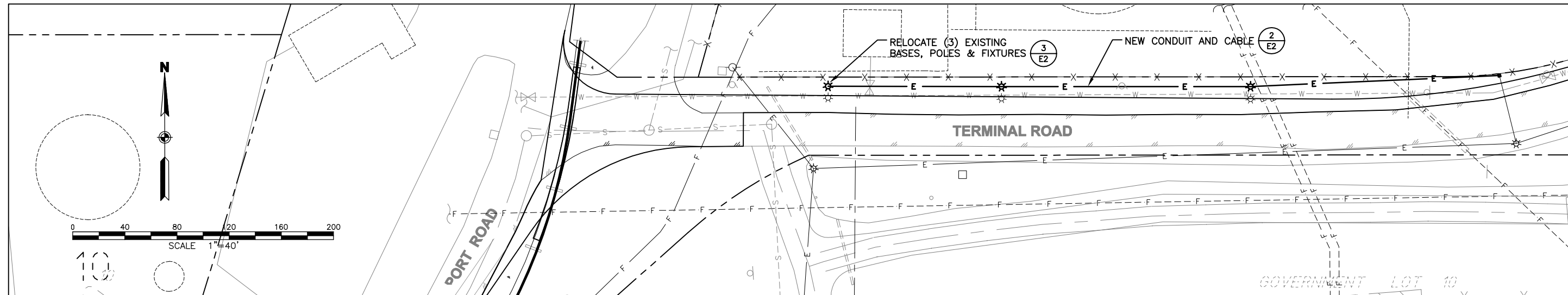
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 TOFC YARD PHASES I & II
CROSS SECTIONS - RAIL

SHEET NO.
C35
 W.O. NO. 840900



GENERAL NOTES:

1. ALL WORK SHALL COMPLY WITH THE MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS.
2. PROVIDE NEW CONDUIT AND CABLE BETWEEN EXISTING POLES AS SHOWN.

SHEET NOTES:

- 1 REMOVE EXISTING LIGHT POLES AND LUMIAIRES INDICATED DURING CONSTRUCTION. REINSTALL ON EXISTING LIGHT BASES AT THE END OF PHASE 2 WORK.

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2	5/12/05	EDK	ADDED TERMINAL ROAD LIGHTING RELOCATION				

FIELD BOOKS	SCALE	DATA
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STAKING:	VER.	DRAWN:
ASBUILT:	GRID	CHECKED: TSM
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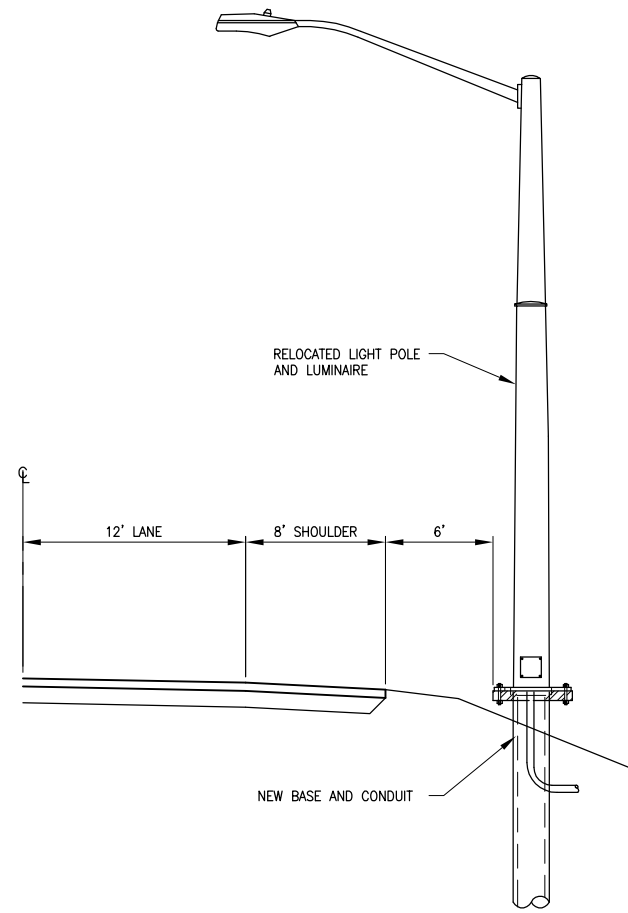
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OWNER:

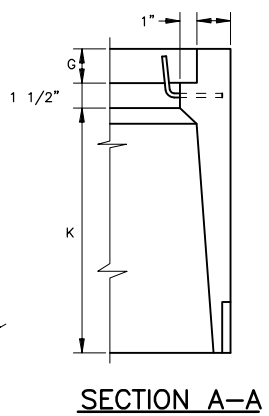
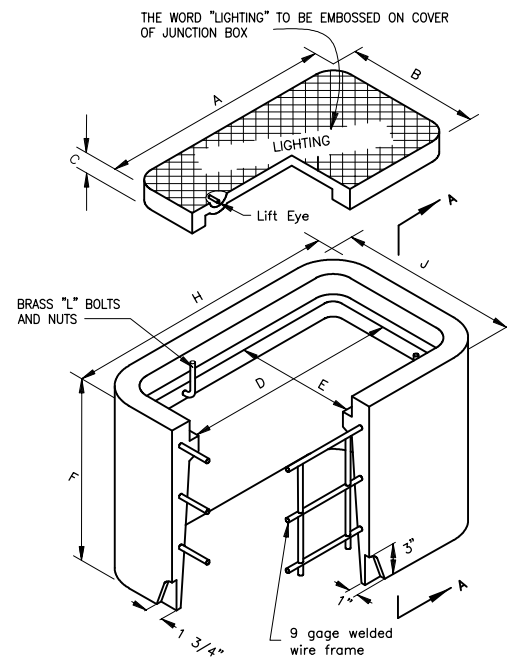
PORT OF ANCHORAGE
TOFC YARD PHASES I & II

ELECTRICAL PLAN

SHEET NO.
E1
W.O. NO. 840900

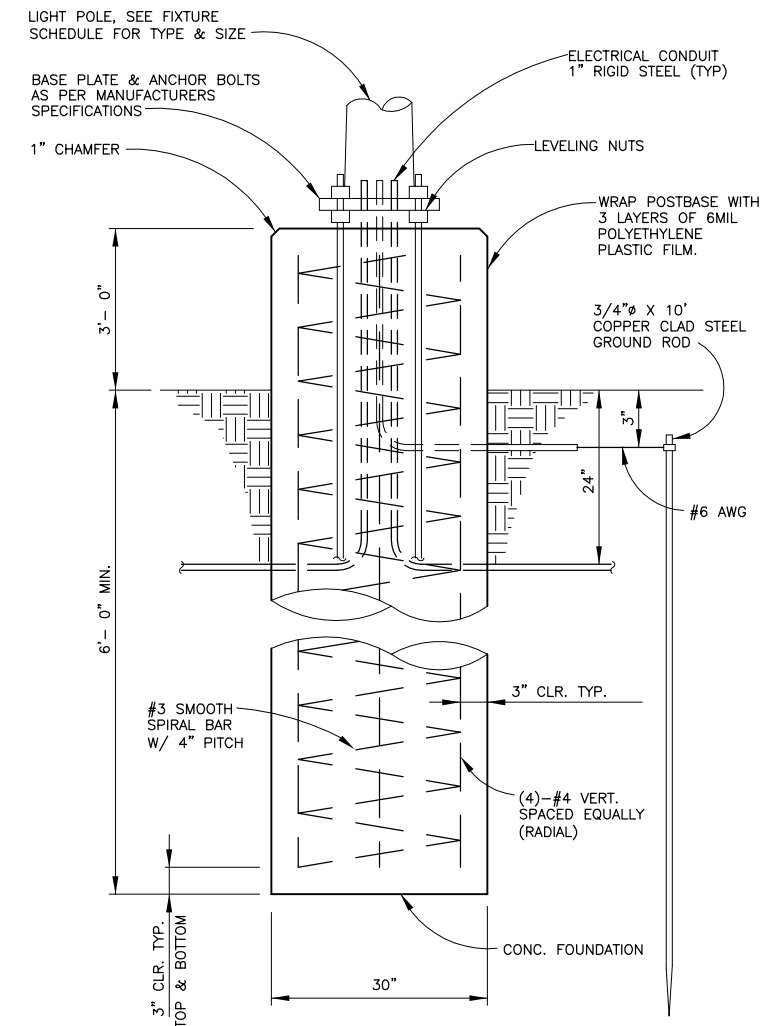
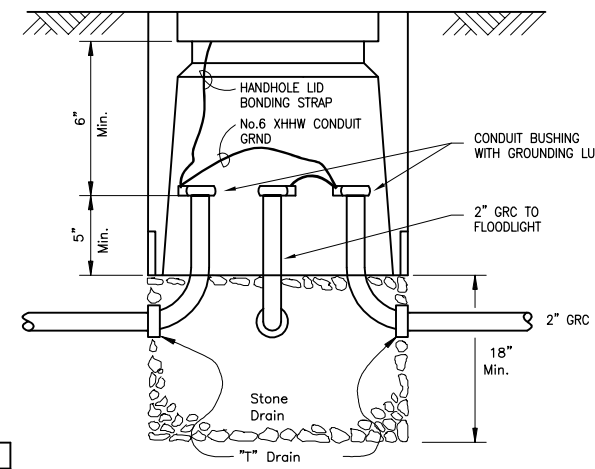


1 ROADWAY LIGHTING PLACEMENT DETAIL
E2 SCALE: N.T.S.



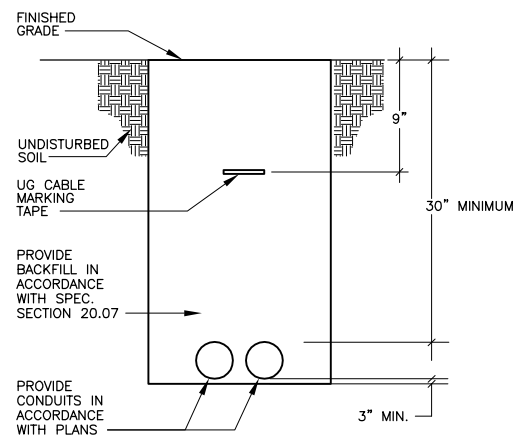
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TYPE I	TYPE I-A	
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B	10	13 1/4
C	1 3/4	2
D	13 1/2	21 1/4
E	8 1/2	11 3/4
F	12	18
G	1 3/4	2
H	19 1/2	27 1/4
J	14 1/2	17 3/4
K	8 3/4	14 1/2

2 HAND HOLE DETAIL
E2 SCALE: N.T.S.



3 POLE BASE
E2 SCALE: N.T.S.

△ ALTERNATE; DRIVEN STEEL PILING, 20 LF 8" SCH. 40 STEEL PIPE.



4 TRENCH DETAIL
E2 SCALE: N.T.S.

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By **EDK** Date **12/23/2005**

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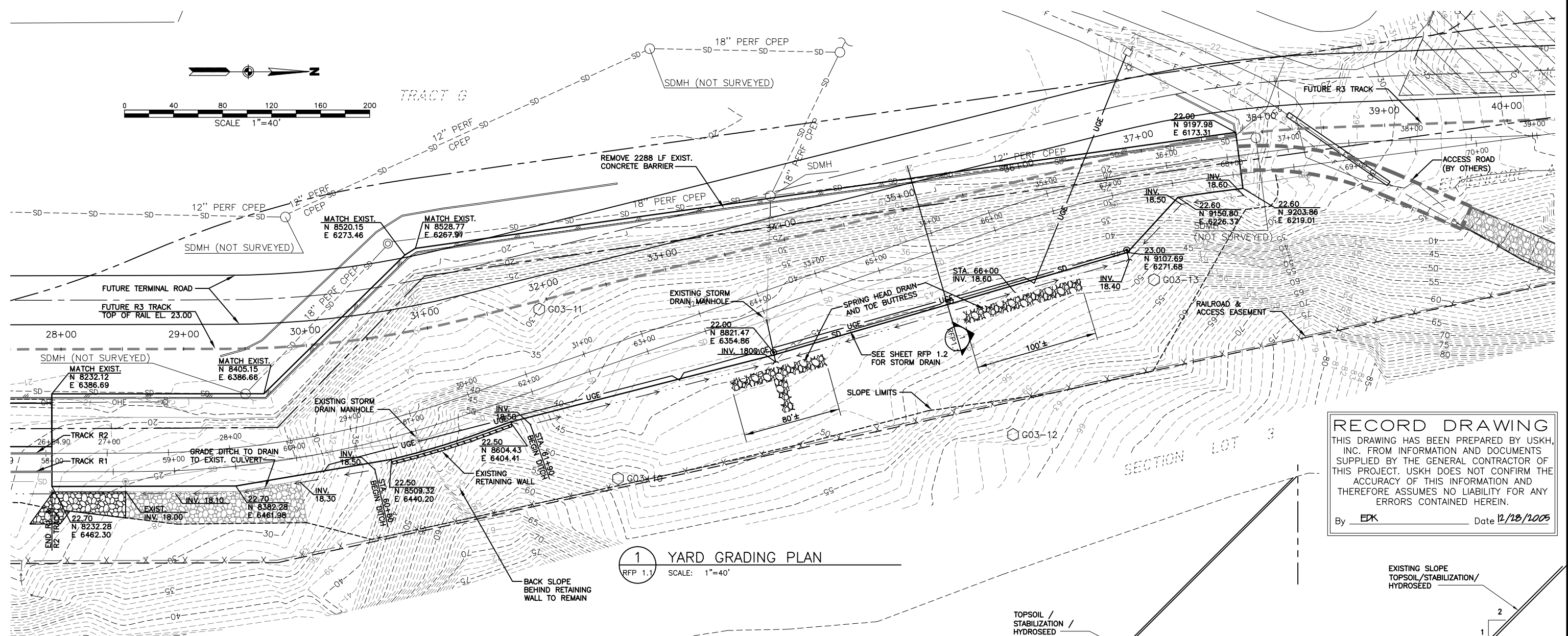
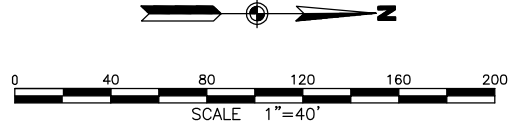
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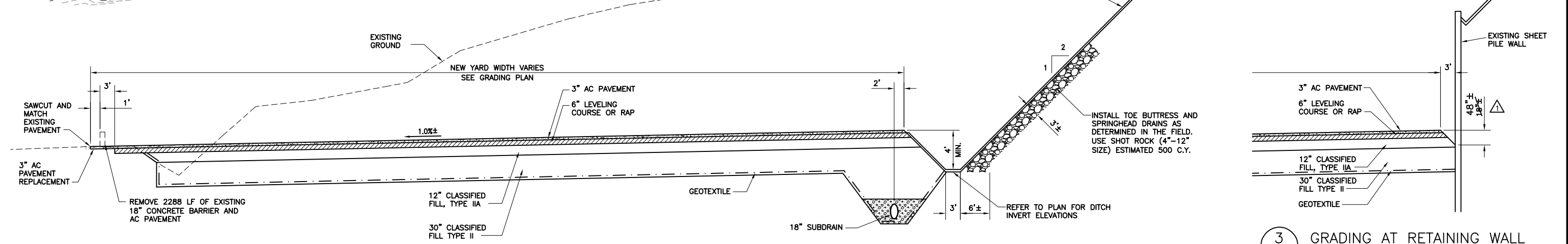
PORT OF ANCHORAGE
TOFC YARD PHASES I & II
ELECTRICAL DETAILS

SHEET NO.
E2
W.O. NO. 840900



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1 YARD GRADING PLAN
 RFP 1.1 SCALE: 1"=40'



2 YARD GRADING SECTION
 RFP 1.1 SCALE: 1"=10'

3 GRADING AT RETAINING WALL
 RFP 1.1 SCALE: 1"=10'

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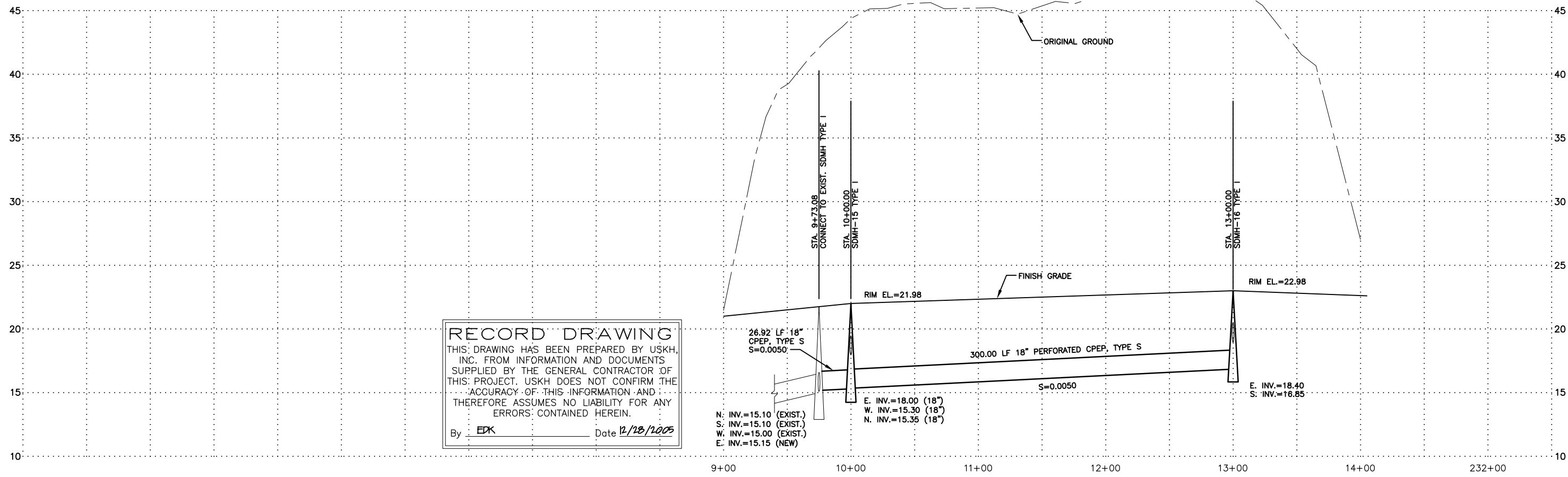
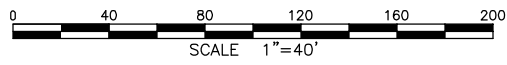
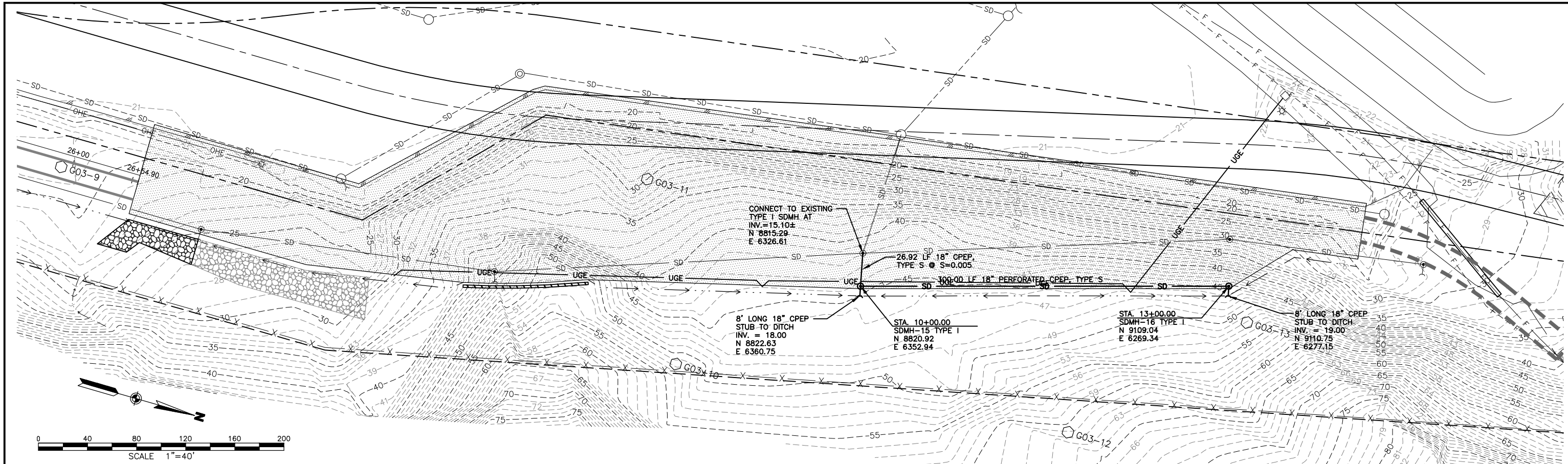
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PORT OF ANCHORAGE
 TOFC YARD PHASES I & II

NORTH END YARD GRADING PLAN

SHEET NO.
RFP1.1
 W.O. NO. 840900



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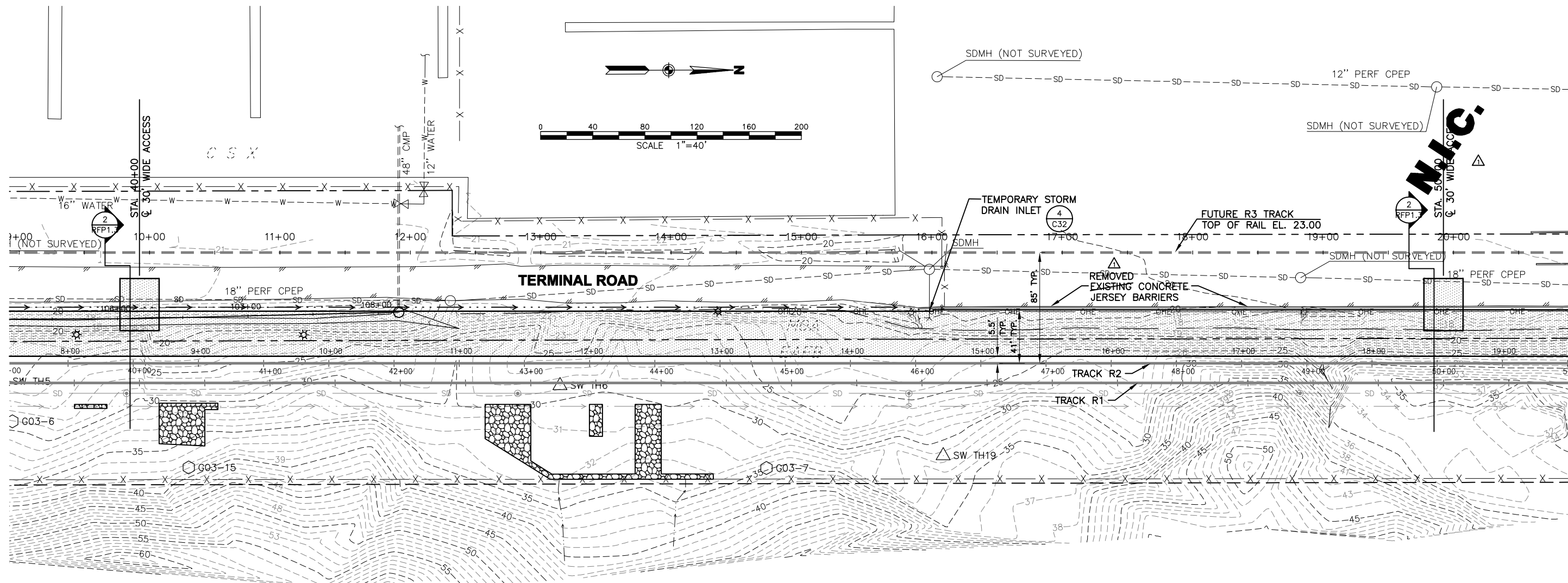
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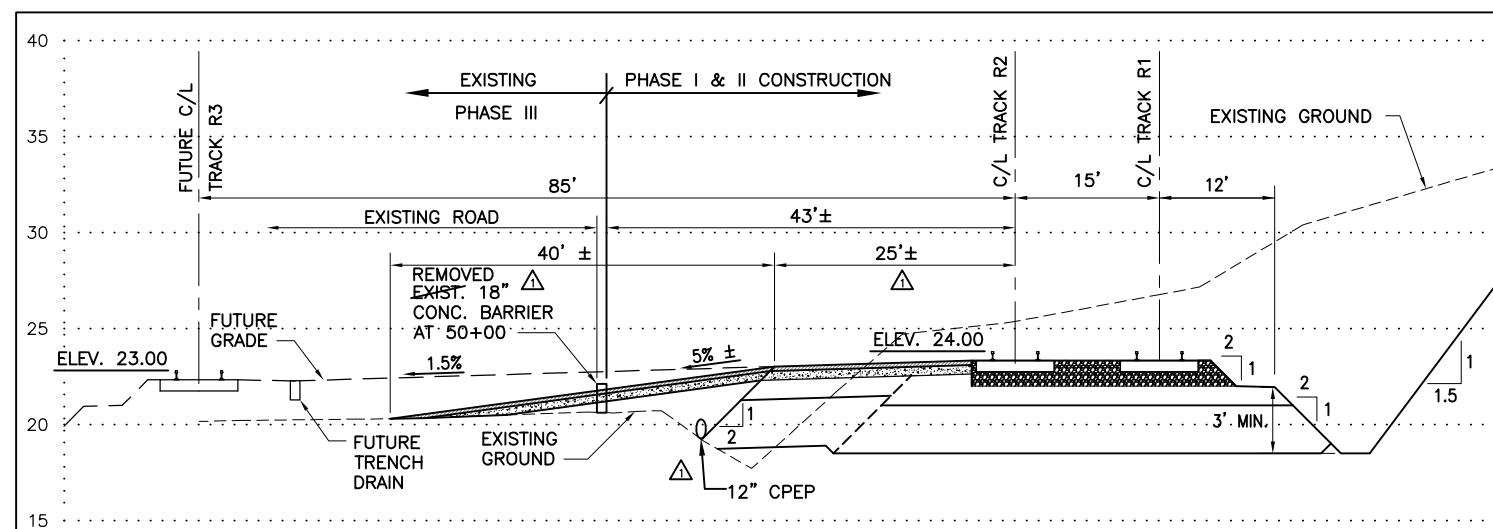
PORT OF ANCHORAGE
 TOFC YARD PHASES I & II
**NORTH END YARD 18" STORM DRAIN
 PLAN AND PROFILE**

SHEET NO.
RFP1.2
 W.O. NO. 840900



VERNIMT
LOT 12

1 NORTH END YARD GRADING PLAN
RFP 1.3 SCALE: 1"=40'



2 SECTION THROUGH ACCESS RAMP
RFP 1.3 SCALE: 1"=10'

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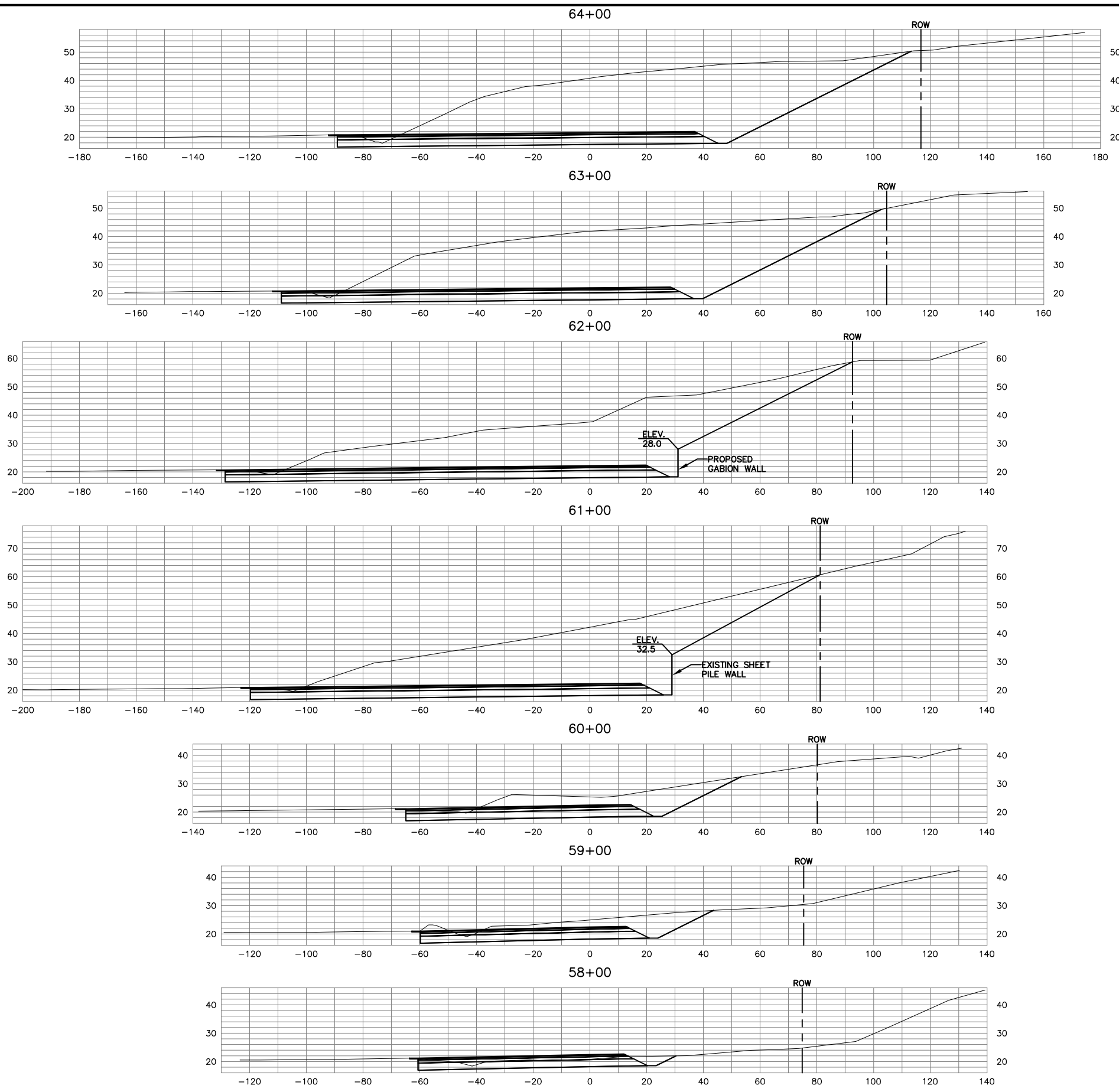
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PORT OF ANCHORAGE
TOFC YARD PHASES I & II
NORTH END YARD ACCESS RAMPS

SHEET NO.
RFP1.3
W.O. NO. 840900

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 By EDK Date 12/23/2005

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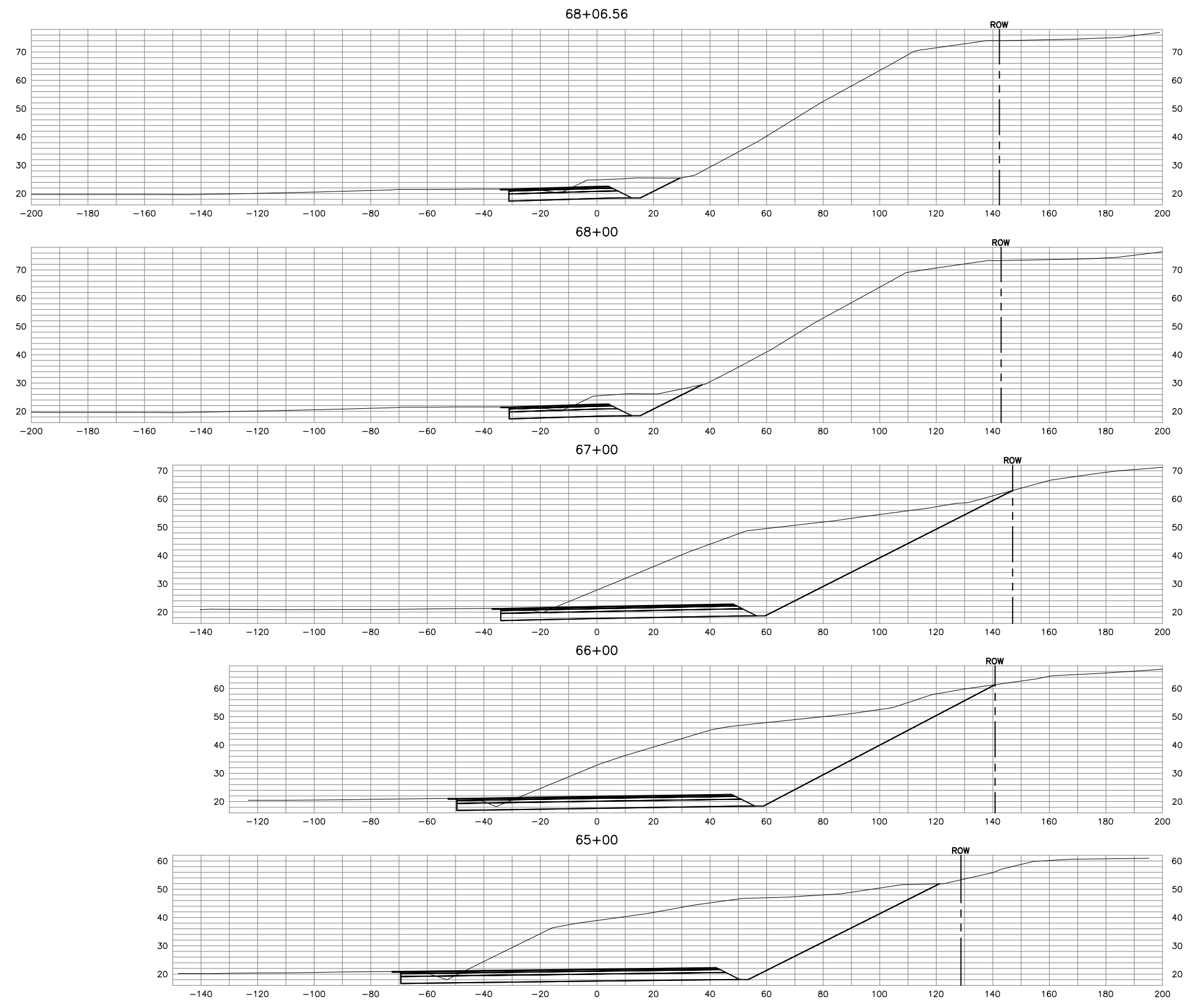
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PORT OF ANCHORAGE
 TOFC YARD PHASES I & II
 NORTH END YARD
 EARTHWORK SECTIONS

SHEET NO.
RFP1.4
 W.O. NO. 840900

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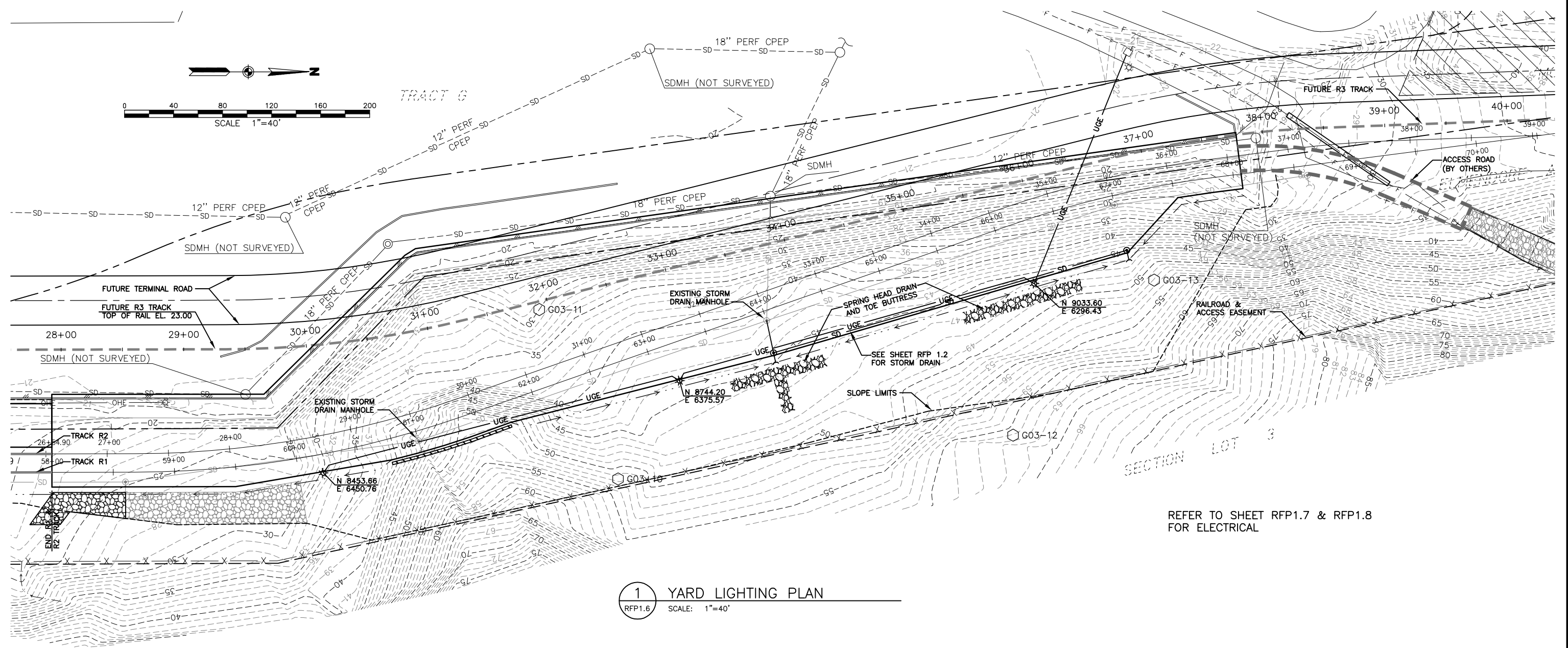
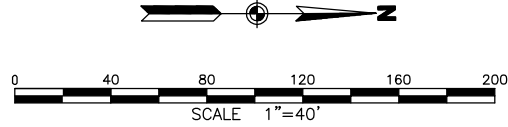
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 OWNER:

PORT OF ANCHORAGE
 TOFC YARD PHASES I & II
 NORTH END YARD
 EARTHWORK SECTIONS

SHEET NO.
RFP1.5
 W.O. NO. 840900



1 YARD LIGHTING PLAN
RFP1.6 SCALE: 1"=40'

REFER TO SHEET RFP1.7 & RFP1.8 FOR ELECTRICAL

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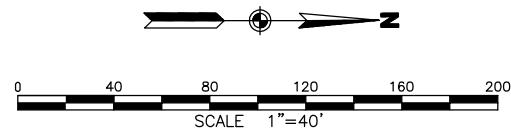
PORT OF ANCHORAGE
TOFC YARD PHASES I & II

Anchor Anchorage Port Expansion Team
2000 Anchorage Port Rd.
Anchorage, Alaska 99501
OWNER:

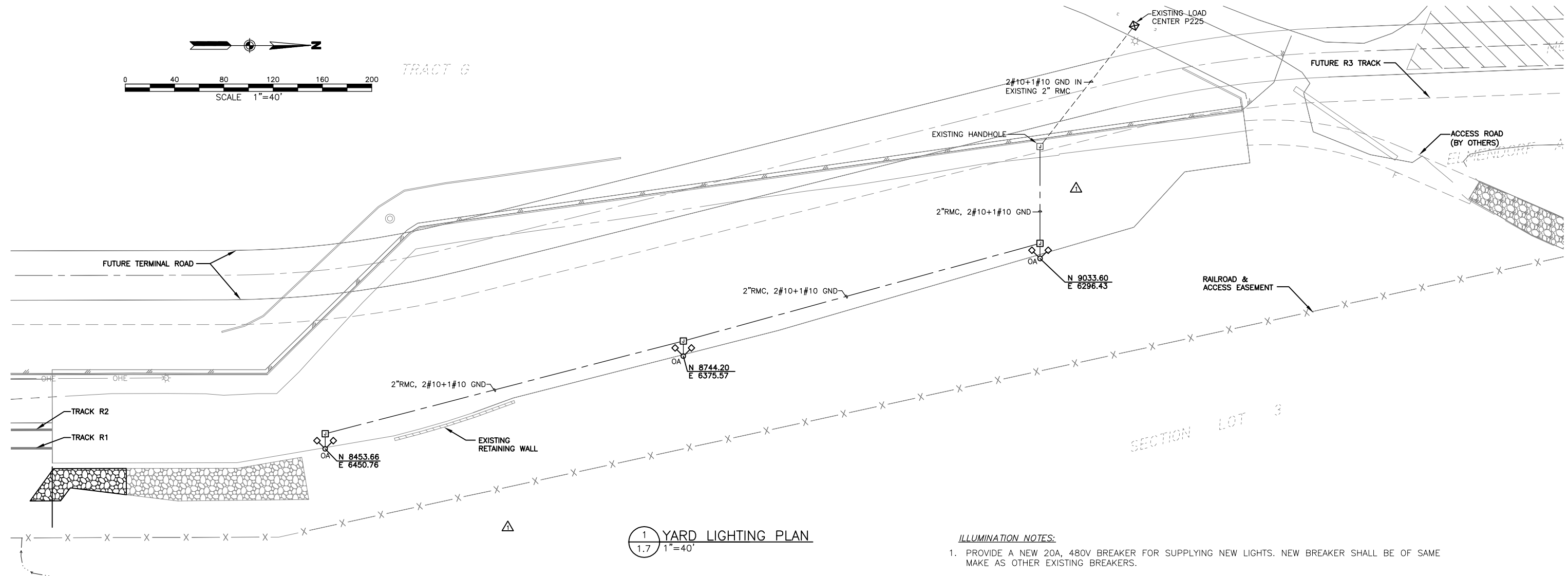
SHEET NO.
RFP1.6

W.O. NO. 840900

DATE STAMPED: AUGUST 5, 2005



TRACT G



1 YARD LIGHTING PLAN
1.7 1"=40'

ILLUMINATION NOTES:

1. PROVIDE A NEW 20A, 480V BREAKER FOR SUPPLYING NEW LIGHTS. NEW BREAKER SHALL BE OF SAME MAKE AS OTHER EXISTING BREAKERS.
2. CONTRACTOR SHALL PROVIDE TYPE 1A JUNCTION BOXES IN ACCORDANCE WITH DETAIL 2/RFP 1.8. JUNCTION BOX LOCATIONS SHOWN ON THE PLANS ARE SCHEMATIC; PLACE ADJACENT TO LIGHT POLES AS NOTED. CONTRACTOR SHALL LOCATE ALL NEW JUNCTION BOXES OUT OF THE ROADWAY AND DRIVEWAYS.

LOAD CENTER INFORMATION

1. THE EXISTING MAX DEMAND LOAD IS 20.12 KVA.
2. THE PROPOSED ADDITIONAL LOAD IS 6.54 KVA.
3. THE TOTAL PROPOSED NEW LOAD IS 26.66 KVA.

LIGHT FIXTURE SCHEDULE

ID	DESCRIPTION	FIXTURE		LAMPS		BALLAST		MOUNTING	MTG HEIGHT	CLG TYPE	MANUFACTURERS CATALOG NO.	NOTES
		VOLTAGE	WATTS	NO.	TYPE	NO.	TYPE					
OA	AREA FLOOD HIGH PRESSURE SODIUM	480	1090	1	1000W HPS	1	ELEC	POLE	60'-0"	-	INFRANOR 876-N-1000HPS-TS-AL	1.

LIGHT FIXTURE SCHEDULE NOTES:

1. PROVIDE FIXTURE WITH FULL CUTOFF.

RECORD DRAWING

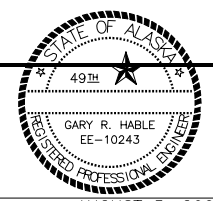
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REV.	DATE	BY	ADDED ASBUILT INFORMATION REVISIONS	NO.	BASIS OF VERTICAL CONTROL	ELEV.	FIELD BOOKS
1	11/04/05	EDK	ADDED ASBUILT INFORMATION				

FIELD BOOKS	SCALE	DATA
DESIGN/TOPO:	HOR. 1"=40'	DESIGN: GH
STAKING:	VER. 1"=5'	DRAWN: ASL
ASBUILT:	GRID	CHECKED: AS
		DATE STAMPED: AUGUST 5, 2005

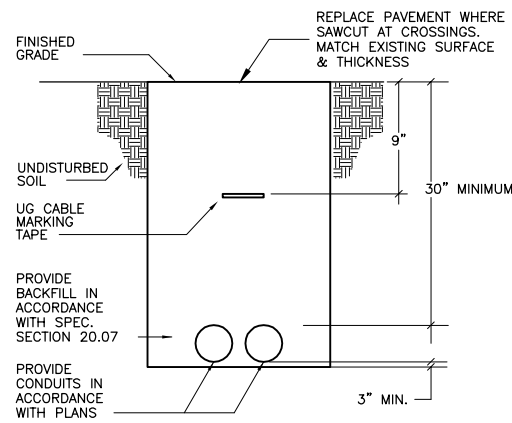


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OWNER:

PORT OF ANCHORAGE
TOFC YARD PHASES I & II
NORTH END YARD LIGHTING PLAN

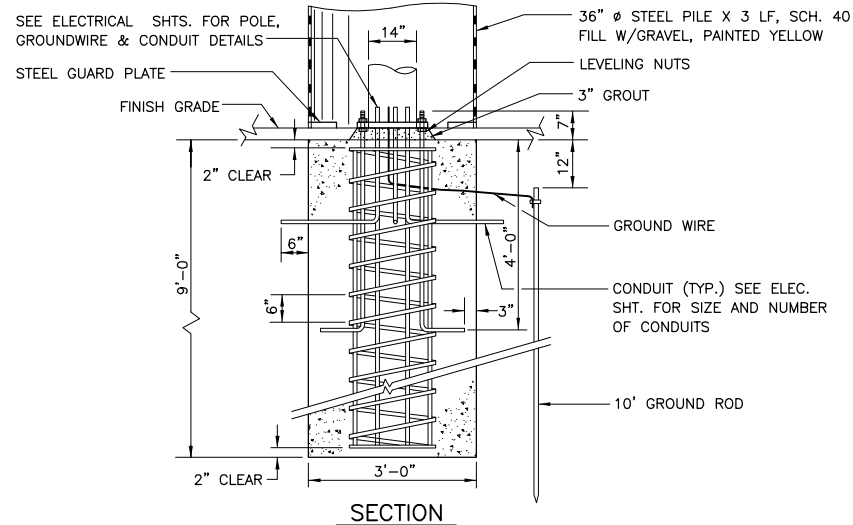
SHEET NO.
RFP 1.7
W.O. NO. 840900



3 TRENCH DETAIL
1.8 NTS

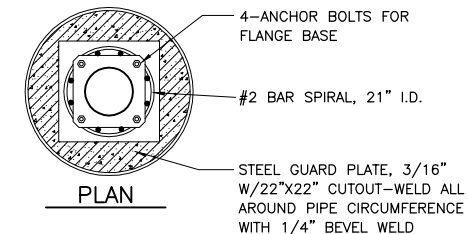
NOTES:

- FLANGE PLATE STEEL SHALL CONFORM TO ASTM A-283 GRADE D.
- LIGHTING STANDARD SHALL BE FABRICATED FROM MINIMUM USSG 10 SHEET STEEL CONFORMING TO ASTM A-570 GRADE C, EXCEPT THAT USSG 11 SHEET STEEL OF WELDABLE GRADE IS ACCEPTABLE IF THE STEEL, AFTER FABRICATION, HAS A MINIMUM YIELD STRENGTH OF 40,000 P.S.I. LIGHTING STANDARDS SHALL BE GALVANIZED CONFORMING TO ASTM A-123. DESIGNATED GRADES ARE MINIMUM THICKNESS REQUIRED.
- ALL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY SPECIFICATIONS.

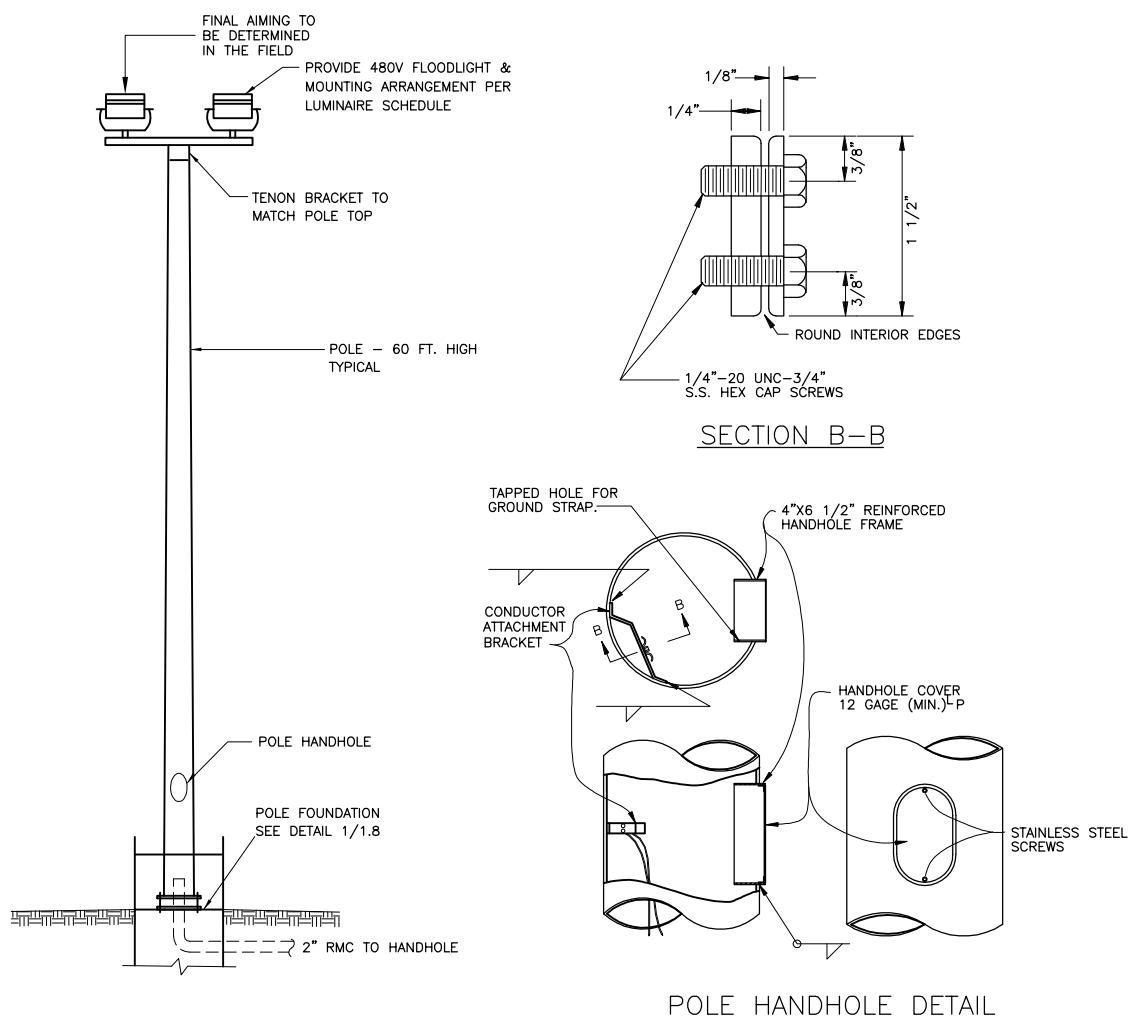


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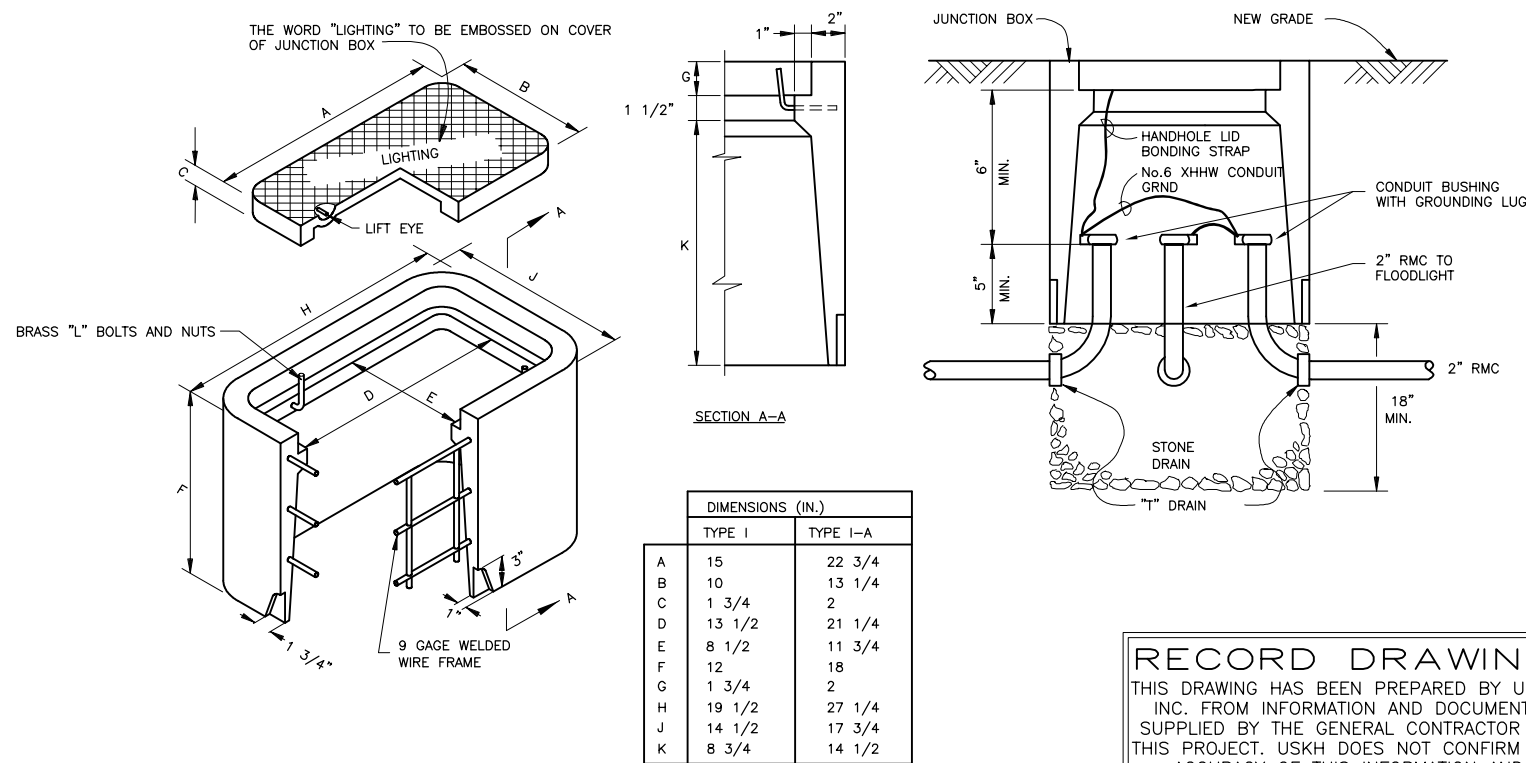
- FOOTINGS SHALL BE CAST IN PLACE IN DRILLED HOLE W/CMP FORM.
- ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 3/4".
- BOTTOM OF DRILLED HOLE SHALL BE CLEANED OF ANY LOOSE MATERIAL BEFORE POURING CONCRETE.
- CONCRETE SHALL CONFORM TO CLASS A-3.
- ANCHOR BOLTS & NUTS SHALL BE HIGH STRENGTH AND SHALL CONFORM TO ASTM A-325. GALVANIZING OF ANCHOR BOLTS CONFORM TO ASTM A-153.
- GROUT SHALL BE 3 PARTS FINE AGGREGATE FOR PCC TO 1 PART CEMENT AND SHALL CONTAIN ONLY ENOUGH WATER TO PERMIT PLACING AND PACKING.
- ELECTRICALLY BOND 36" Ø STEEL PILE TO METAL YARD LIGHT POLE OR TO FOUNDATION METAL W/MIN. #6 AWG STRANDED CU WIRE.
- PROVIDE ONE 2" R.S.C. SPARE CONDUIT AND EXTEND TO ADJACENT JUNCTION BOX.



1 TYPICAL YARD LIGHT FOUNDATION
1.8 NTS



4 FLOOD LIGHTING POLE DETAIL
1.8 NTS

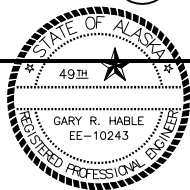


2 HANDHOLE DETAIL
1.8 NTS

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								HOR. 1"=40'	GH	GH	ASL	AS	AUGUST 5, 2005
								VER. 1"=5'					
								GRID					



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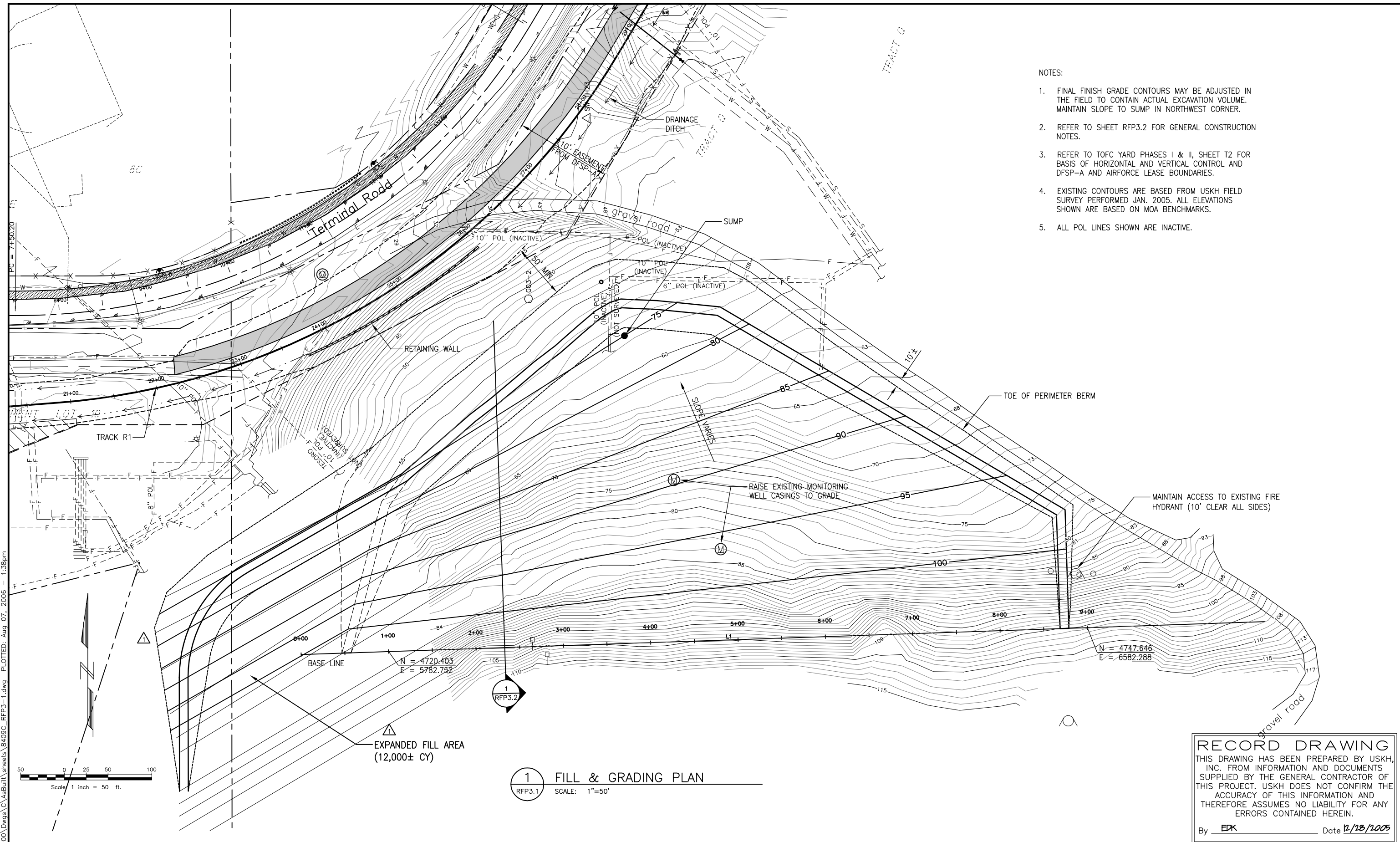
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Anchorage, Alaska 99501
OWNER:

PORT OF ANCHORAGE
TOFC YARD PHASES I & II
**NORTH END YARD
ELECTRICAL DETAILS**

SHEET NO.
RFP 1.8
W.O. NO. 840900

NOTES:

1. FINAL FINISH GRADE CONTOURS MAY BE ADJUSTED IN THE FIELD TO CONTAIN ACTUAL EXCAVATION VOLUME. MAINTAIN SLOPE TO SUMP IN NORTHWEST CORNER.
2. REFER TO SHEET RFP3.2 FOR GENERAL CONSTRUCTION NOTES.
3. REFER TO TOFC YARD PHASES I & II, SHEET T2 FOR BASIS OF HORIZONTAL AND VERTICAL CONTROL AND DFSP-A AND AIRFORCE LEASE BOUNDARIES.
4. EXISTING CONTOURS ARE BASED FROM USKH FIELD SURVEY PERFORMED JAN. 2005. ALL ELEVATIONS SHOWN ARE BASED ON MOA BENCHMARKS.
5. ALL POL LINES SHOWN ARE INACTIVE.



1 FILL & GRADING PLAN
 RFP3.1 SCALE: 1"=50'

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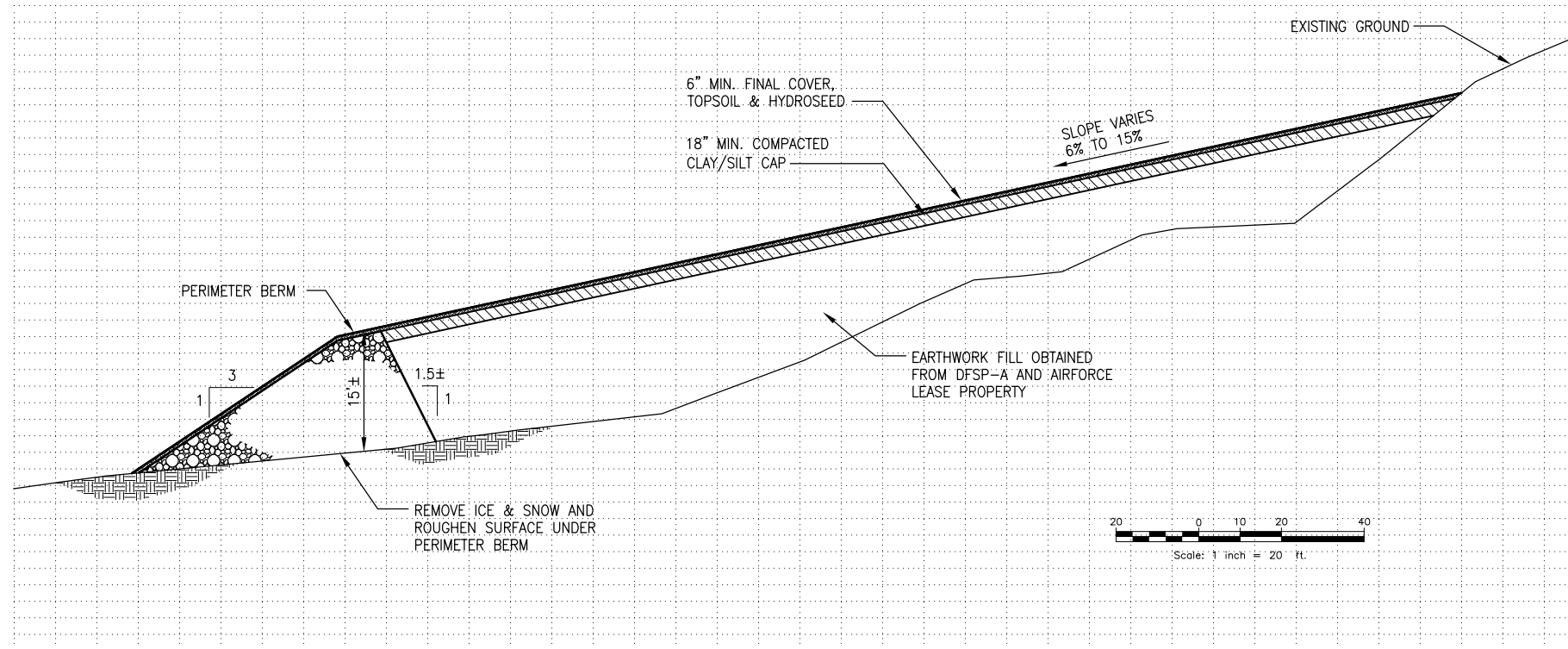
Anchorage Port Expansion Team
 2000 Anchorage Port Rd.
 Anchorage, Alaska 99501
 OWNER:

PORT OF ANCHORAGE
 TOFC YARD PHASES I & II

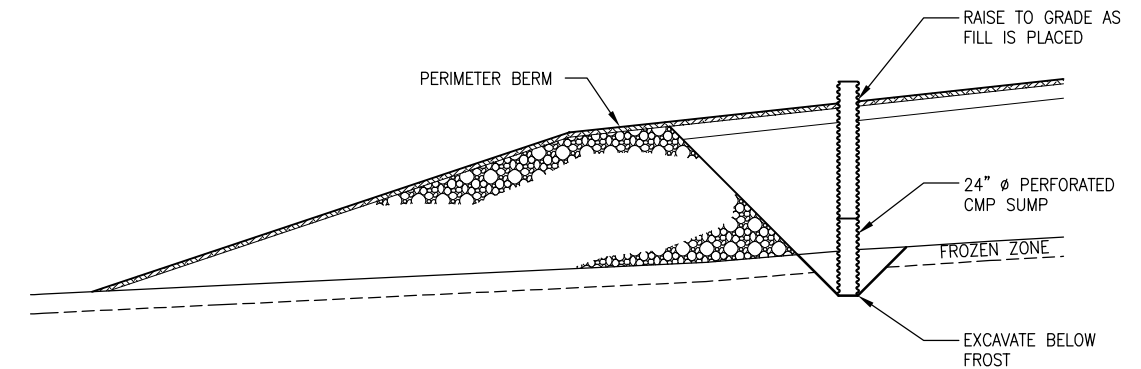
DFSP-A EARTHWORK
 FILL & GRADING PLAN

SHEET NO.
RFP3.1

W.O. NO. 840900



1 TYPICAL SECTION
RFP3.2 SCALE: 1"=20H, 1"=10V.



2 SUMP DETAIL
RFP3.2 SCALE: 1"=10'

GENERAL CONSTRUCTION NOTES:

- REMOVE SNOW AND ICE FROM UNDER THE PERIMETER BERM AND RIP AND SCRAPE AN IRREGULAR SURFACE EXPOSING MINERAL SOIL AT LEAST 30 FEET WIDE UNDER BERM.
- THE PERIMETER BERM WILL BE CONSTRUCTED FROM CLEAN (UNCONTAMINATED) SOIL MATERIALS ONLY (REFER TO NOTES 8, 9, 10 & 11 BELOW) AS FOUND FROM WITHIN THE ADJACENT AIR FORCE OWNED AND PORT LEASED EASEMENT FOR CONSTRUCTION OF THE TOFC PHASE I AND II PROJECT.
- THE PERIMETER BERM MATERIAL WILL CONSIST OF A MIXTURE OF SILTY SANDS, SANDY SILTS, SILTS AND CLAYS AND SHALL CONTAIN NO SIGNIFICANT ORGANICS.
- THE OWNER WILL CONDUCT SCREENING OF THE SOIL MATERIAL AS IT IS EXCAVATED FROM THE AIR FORCE LEASED PROPERTY. SAMPLES WILL BE COLLECTED FOR APPROXIMATELY EACH 75 CY'S OF EXCAVATED SOIL. PID READINGS (REFER TO NOTE 8 BELOW) OF 25 PPM OR GREATER WILL BE INTERPRETED AS POTENTIALLY CONTAMINATED AND NOT PLACED IN THE PERIMETER BERM.
- THE FILL FOR CONSTRUCTION OF THE PERIMETER BERM SHALL BE PLACED IN HORIZONTAL LIFTS IN AN UNFROZEN STATE AND TRACKED WITH A DOZER TO LEVEL THE LAYER AND TO COMPACT IT. LAYERS SHALL BE A MAXIMUM 12 INCH THICKNESS BEFORE BEING TRACKED BY DOZER. LARGE FROZEN CHUNKS SHALL BE REMOVED AND PLACED BEHIND THE BERM IN THIN LAYERS. THE FROZEN CHUNKS SHALL ALSO BE TRACKED BY THE DOZERS TO LEVEL THIS LAYER. EACH LAYER, WITHIN THE BERM SHALL BE TRACKED OVER BY THE DOZER AT LEAST TWICE. "TRACKING" MEANS THAT THE DOZER SHALL BE DRIVEN OVER THE LAYER (AFTER IT HAS BEEN LEVELED) SUCH THAT THE TRACKS OF THE DOZER HAVE RIDDEN OVER THE ENTIRE SURFACE. THIS WILL REQUIRE THAT THE DOZER MAKE SUFFICIENT PASSES BACK AND FORTH, MOVING THE WIDTH OF A TRACK A EACH PASS.
- CONSTRUCT PERFORATED CMP SUMP IN NORTHWEST CORNER OF FILL SITE PER DETAIL ON SHEET RFP3.2.
- MAINTAIN SURFACE OF FILL DURING CONSTRUCTION TO DIRECT SURFACE RUNOFF TO SUMP LOCATION.
- AS SOIL IS EXCAVATED FROM THE LEASED PORTION OF THE DFSP-A PROPERTY FOR CONSTRUCTION OF THE TOFC PHASE I AND II PROJECT, IT WILL BE IMMEDIATELY FIELD SCREENED BY THE OWNER USING A PHOTOIONIZATION DETECTOR (PID). SAMPLES WILL BE COLLECTED FROM THE EXCAVATOR BUCKET. ONE FIELD SCREENING SAMPLE WILL BE COLLECTED FOR EVERY 75 CY OF SOIL EXCAVATED. A DETERMINATION WILL BE MADE IF THE SOIL IS USEABLE BASED ON VISUAL ASSESSMENT OF APPARENT CONSTRUCTION PROPERTIES. THE EXCAVATED SOIL WILL ALSO BE VISUALLY ASSESSED FOR THE PRESENCE OF OBVIOUS CONTAMINATION.
- THE EXCAVATED SOIL WILL BE IMMEDIATELY LOADED INTO DUMP TRUCKS. THE DUMP TRUCKS WILL TRANSPORT THE SOIL TO THE FILL SITE WHERE IT SHALL BE DUMPED IN A DISTINCT PILE. A REPRESENTATIVE OF THE OWNER WILL FLAG THE PILE USING A NUMBERING SYSTEM. EACH PILE OF SOIL WILL BE FLAGGED FOR FUTURE REFERENCE PENDING RESULTS OF PID SCREENING AND IF APPROPRIATE, QUANTITATIVE ANALYSIS.
- SCREENING WILL BE CONDUCTED BY THE OWNER USING A PID. THE PID WILL BE CALIBRATED ON A DAILY BASIS IN ACCORDANCE WITH THE MANUFACTURE'S DIRECTIONS. SCREENING SAMPLES WILL BE COLLECTED IN EIGHT-OUNCE CLEAN, UNUSED, ZIP-LOCK PLASTIC BAGS. APPROXIMATELY THREE TO FOUR OUNCES OF SOIL WILL BE COLLECTED FOR EACH SCREENING AND DONE SO IMMEDIATELY AFTER REMOVAL FROM THE GROUND. THE ZIP-LOCK BAG WILL BE IMMEDIATELY SEALED AFTER COLLECTION AND ALLOWED TO VOLATIZE FOR APPROXIMATELY 10-60 MINUTES AT AN AMBIENT AIR TEMPERATURE OF AT LEAST 40 DEGREES FAHRENHEIT. THE BAG WILL BE SHAKEN FOR 15 SECONDS AT THE BEGINNING AND END OF THE VOLATIZATION ALLOWANCE PERIOD. AT THE END OF THIS PERIOD, THE BAG WILL BE PARTIALLY UNZIPPED AND THE PID PROBE WILL BE INSERTED INTO THE HEADSPACE, AVOIDING CONTACT WITH WATER AND SOIL PARTICLES. THE HIGHEST PID READING OBSERVED WITHIN 10 SECONDS WILL BE RECORDED AS REPRESENTATIVE OF THE SCREENING TEST. THE RESULTS OF THE FIELD SCREENING WILL BE ANNOTATED IN A FIELD LOG.
- THE HIGHEST PID READING OBSERVED IN THE FIRST 10 SECONDS WILL BE INTERPRETED AS FOLLOWS:
 - PID READING OF LESS THAN 25 PPM WILL BE INTERPRETED AS CLEAN SOIL AND INCORPORATED INTO THE EARTHWORK IMPROVEMENT.
 - A PID READING OF 25 PPM OR GREATER WILL BE INTERPRETED AS POTENTIALLY CONTAMINATED SOIL. THE OWNER WILL CHARACTERIZE POTENTIALLY CONTAMINATED SOIL BY COLLECTING ONE GRAB SAMPLE FOR EVERY 125 CY AND SUBMITTING IT TO A QUALIFIED LABORATORY FOR ANALYSIS. QUANTITATIVE ANALYSIS WILL CONSIST OF GASOLINE RANGE ORGANICS (GRO) AND BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES (BTEX) AS WELL AS DIESEL RANGE ORGANICS (DRO) AND RESIDUAL RANGE ORGANICS (RRO) BY ALASKA METHODS AK101 AND AK102, RESPECTIVELY. THE OWNER WILL USE A LABORATORY THAT IS APPROVED BY ADEC FOR THESE ANALYSES.
- THE RESULTS OF QUANTITATIVE ANALYSIS FOR SOILS FROM THE DRSP-A LEASED PROPERTY WILL BE INTERPRETED BASED ON STANDARDS ESTABLISHED IN THE ROD FOR THE RESPECTIVE ANALYTE. THOSE SOILS THAT ARE BELOW THE RESPECTIVE THRESHOLD ESTABLISHED IN THE ROD WILL BE INCORPORATED INTO THE EARTHWORK IMPROVEMENT. THOSE SOILS THAT EXCEED THE RESPECTIVE THRESHOLD FOR ANY ANALYTE WILL BE EXCLUDED FROM THE EARTHWORK IMPROVEMENT. THESE SOILS WILL BE IMMEDIATELY MOVED TO A LINED SURFACE AND COVERED PENDING THEIR REMOVAL FROM THE NON-LEASED AREA. THESE SOILS THAT EXCEED THE ROD THRESHOLD WILL BE MAINTAINED ON SITE FOR LESS THAN 180 DAYS ON A LINER SYSTEM THAT MEETS THE REQUIREMENTS ESTABLISHED IN 18 AAC 75.370.
- THE SOILS EXCAVATED FROM THE DFSP-A AND AIR FORCE LEASED PROPERTY AND PLACED INSIDE OF THE PERIMETER BERM WILL BE PLACED IN A SERIES OF LIFTS NOT EXCEEDING 24 INCHES AND COMPACTED BY TRACKING WITH A DOZER AND BY DIRECTING HAUL TRUCK TRAFFIC OVER THE MATERIAL SO THAT THE ENTIRE LIFT HAS BEEN DRIVEN OVER. LAYERS SHALL BE CONSTRUCTED SUCH THAT THE DAY-END SURFACE IS A HORIZONTAL PLANE. THIS WILL BE ACCOMPLISHED BY BEGINNING EACH NEW FILL LAYER FROM THE LOWER PORTION OF THE SLOPE, WITH THE RESULT THAT SURFACES BETWEEN SUBSEQUENT LIFTS ARE ORIENTED HORIZONTALLY. THE COMPACTED LIFTS WILL BE COVERED DAILY OR AS REQUIRED USING MATERIAL OBTAINED FROM THE AIR FORCE LEASED PROPERTY AND PREVIOUSLY STOCKPILED ON SITE.
- AFTER ALL MATERIAL IS EXCAVATED, PLACED, COMPACTED AND GRADED, THE ENTIRE SITE WITHIN THE PERIMETER BERMS WILL BE COVERED WITH A COMPACTED SILT/CLAY CAP (18 INCHES MINIMUM THICKNESS) AND GRADED TO THE FINAL CONTOUR SHOWN ON SHEET RFP3.1 AS MAY BE ADJUSTED IN THE FIELD TO CONTAIN THE MATERIAL EXCAVATED FOR THE TOFC PHASE I AND II PROJECT.
- AT LEAST SIX INCHES OF TOPSOIL WILL BE PLACED OVER THE CLAY CAP AND PERIMETER BERM MEETING THE REQUIREMENTS OF PROJECT SPECIFICATION SECTION 75.04 AND THE ENTIRE SITE SEEDED IN CONFORMANCE WITH SPECIFICATION SECTION 75.05.

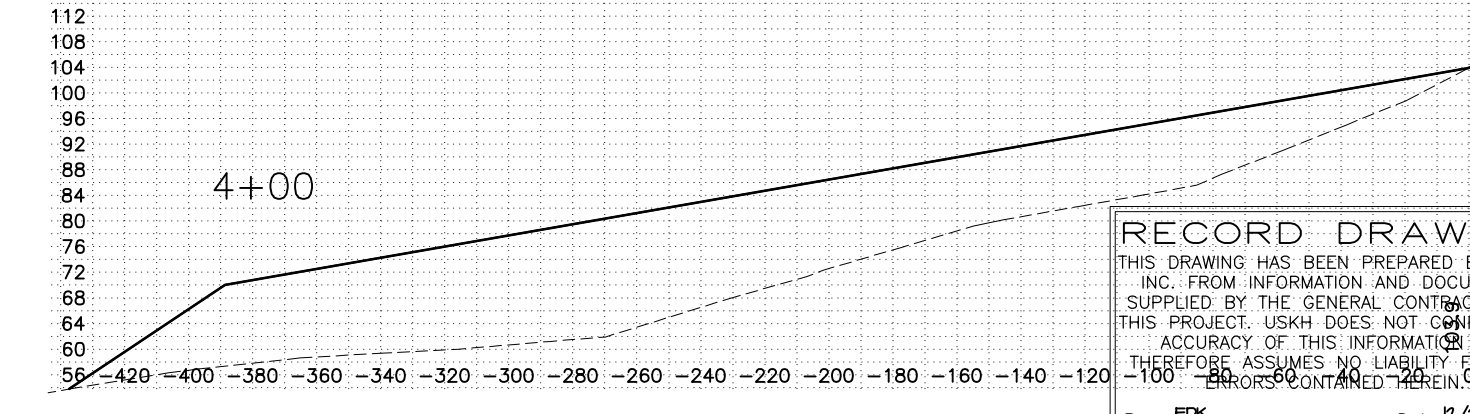
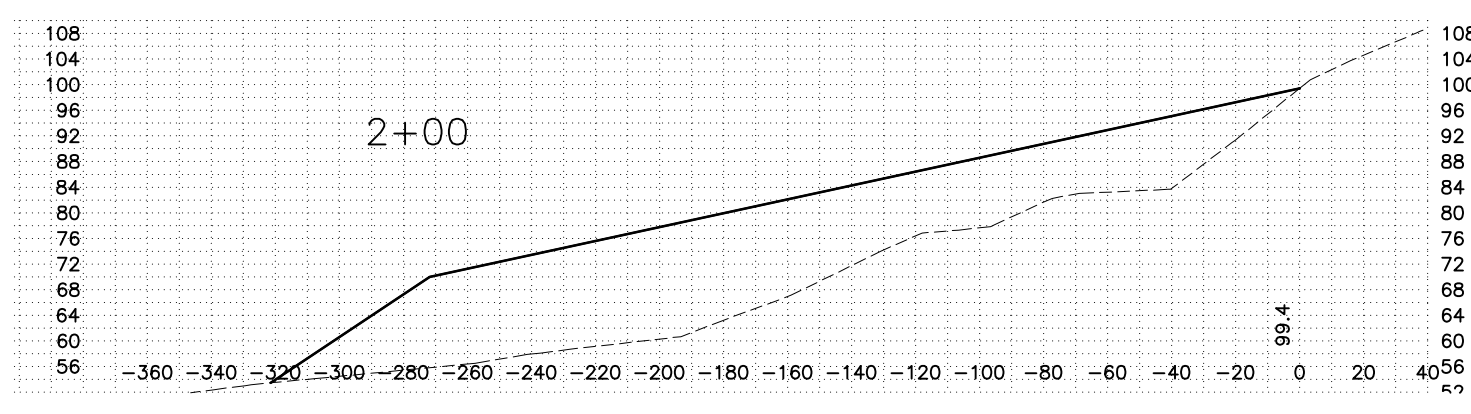
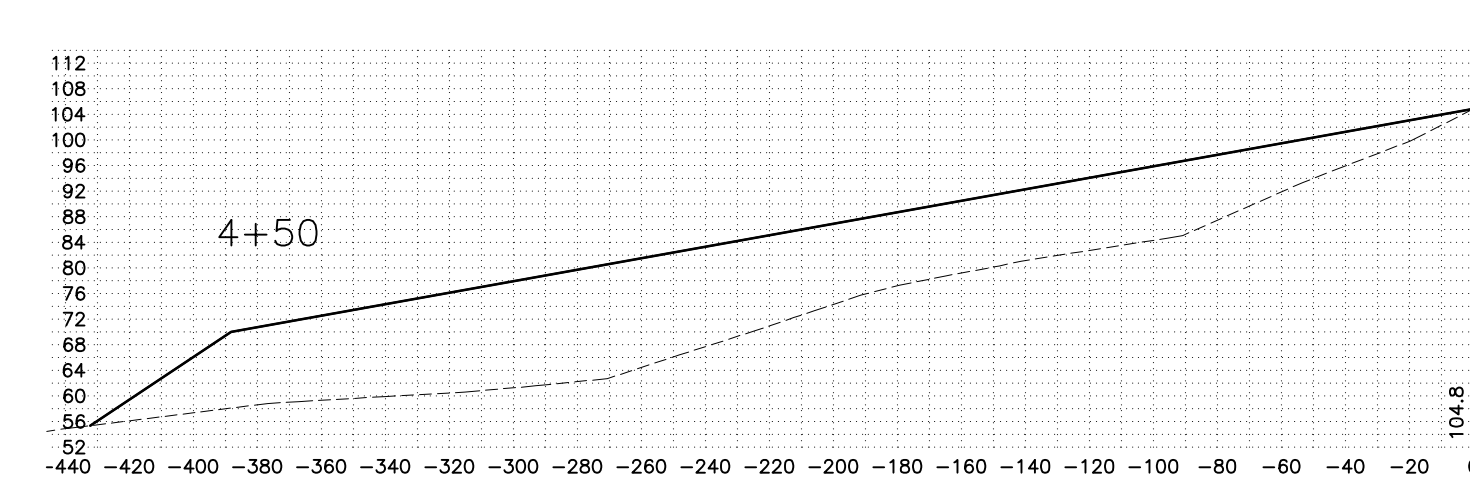
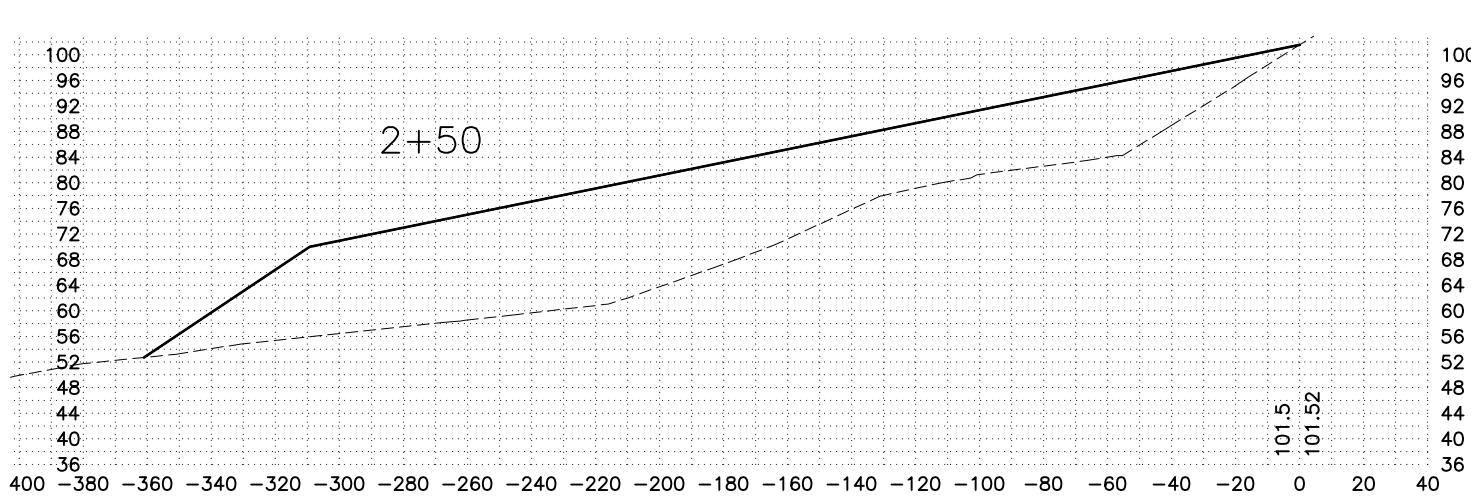
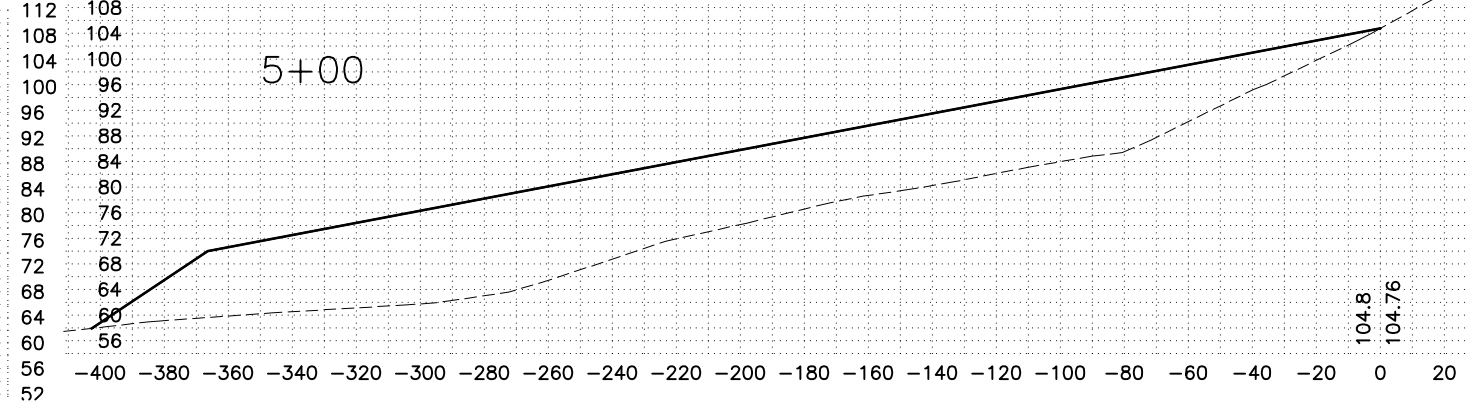
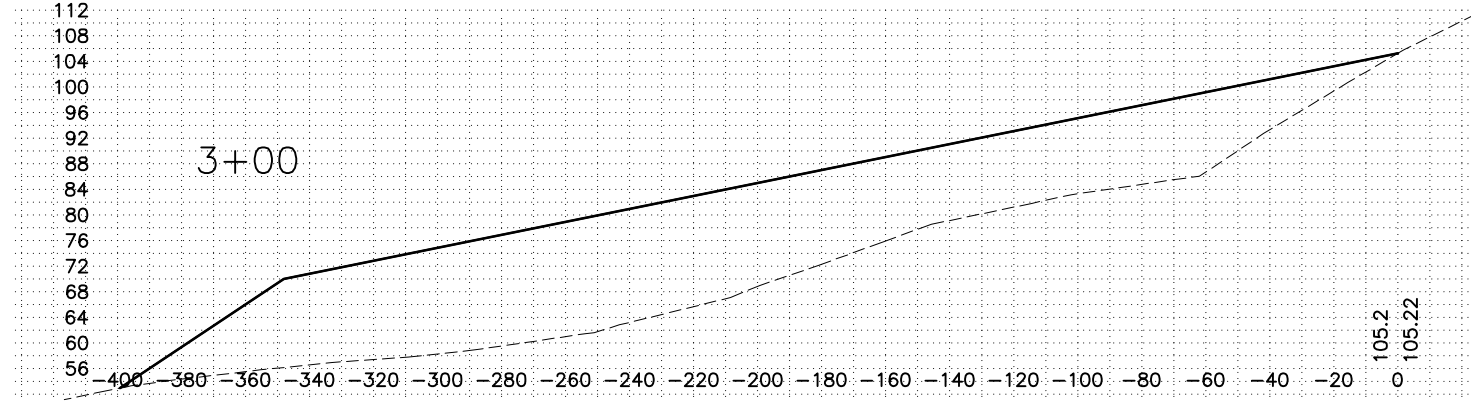
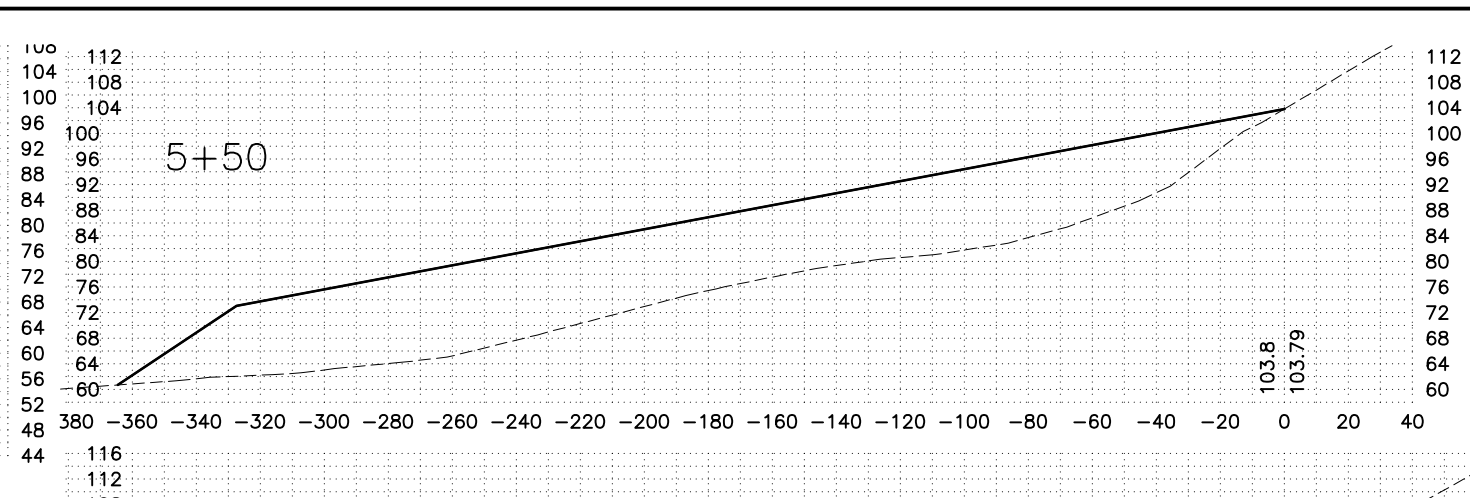
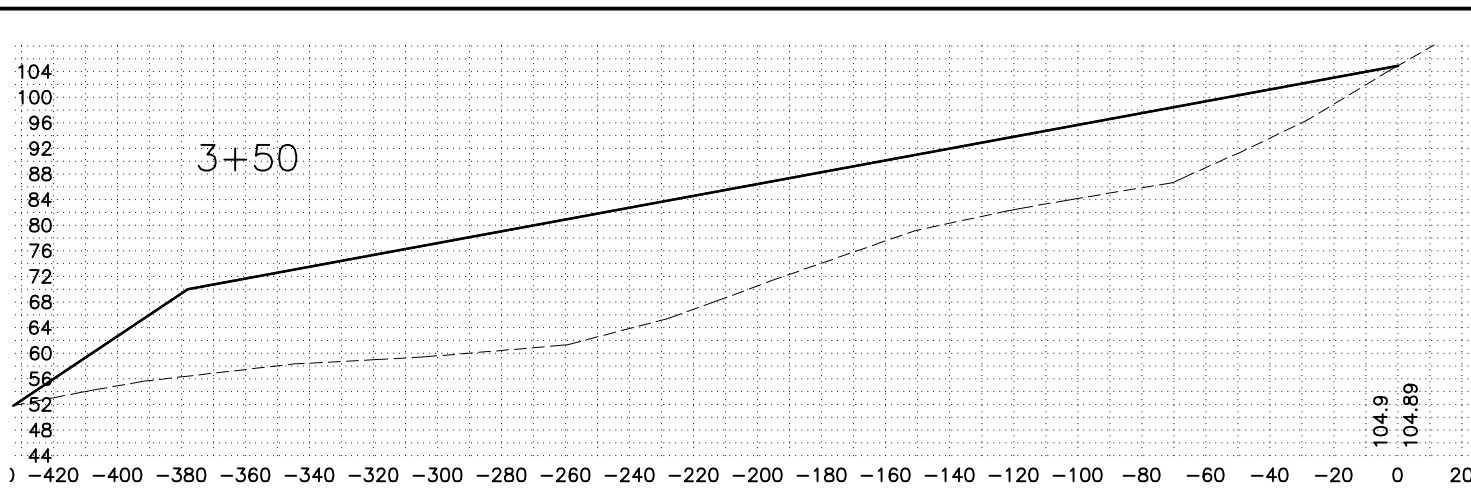
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FIELD BOOKS DESIGN/TOPO:	SCALE HOR.	DATA DESIGN:	EDK
STAKING:	VER.	DRAWN:	GIS
ASBUILT:	GRID	CHECKED:	EDK
		DATA	
		DATE STAMPED:	AUGUST 5, 2005

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		DFSP-A EARTHWORK TYPICAL SECTION & DETAILS	RFP3.2 W.O. NO. 840900



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								VER.	DRAWN: GIS
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									DATE STAMPED: AUGUST 5, 2005

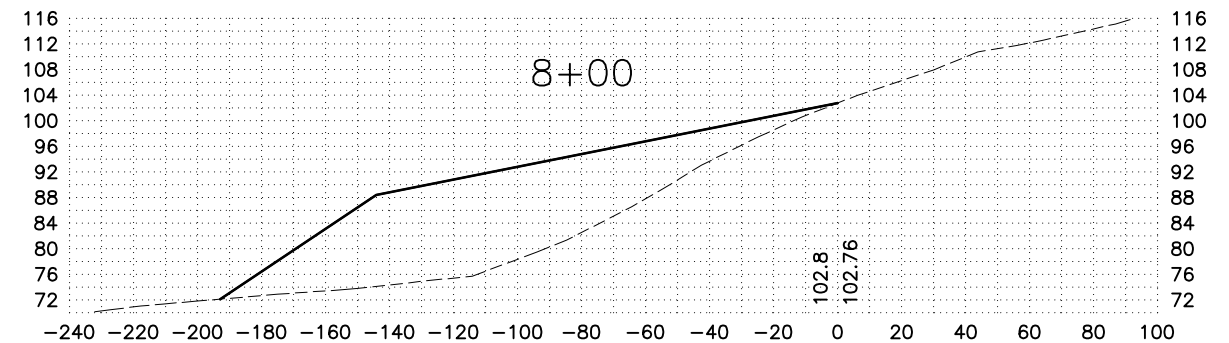
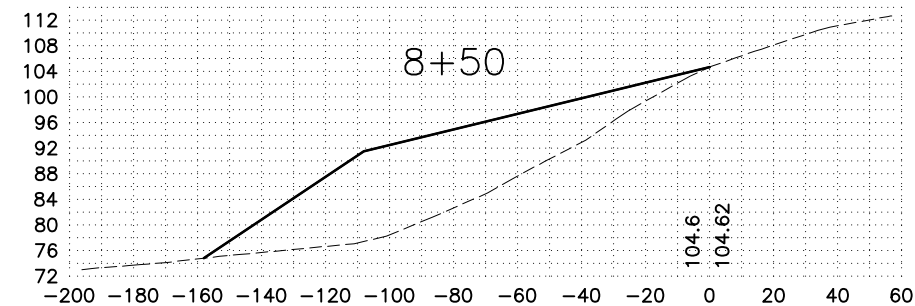
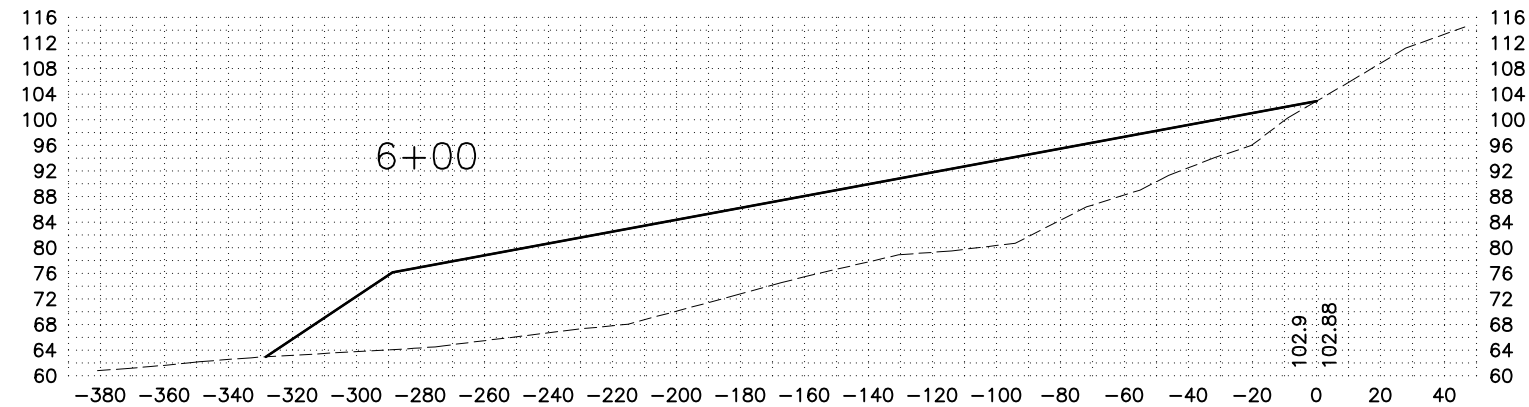
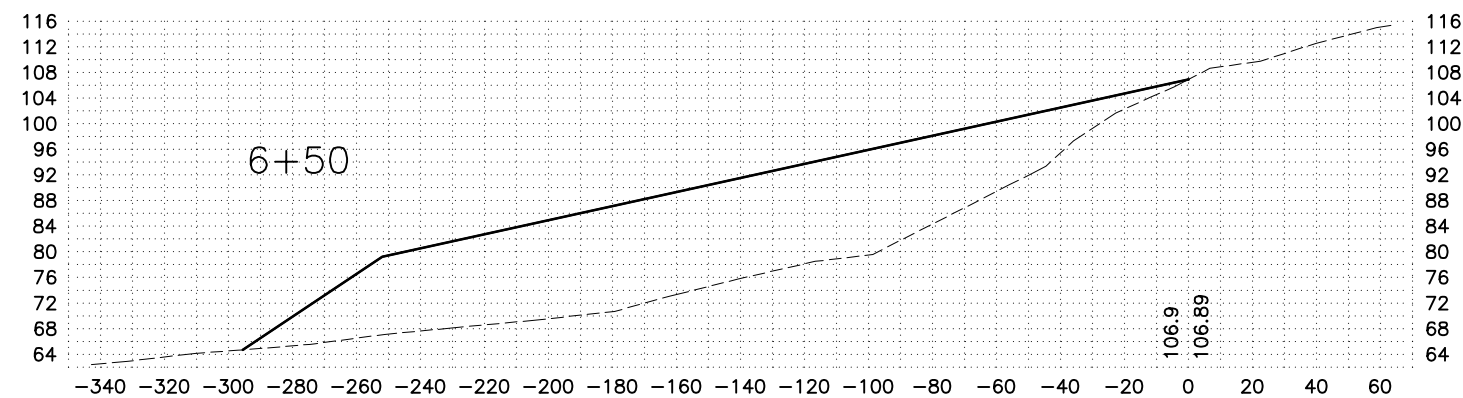
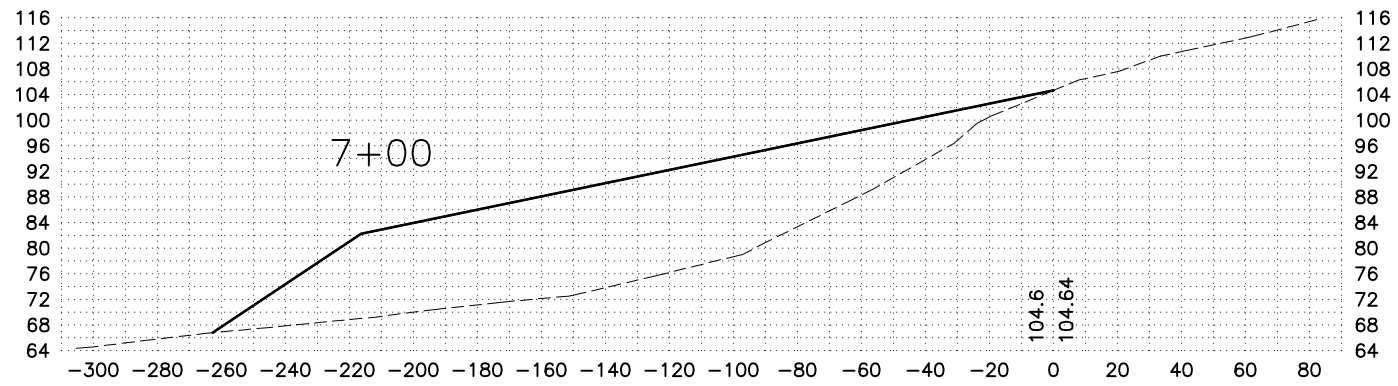
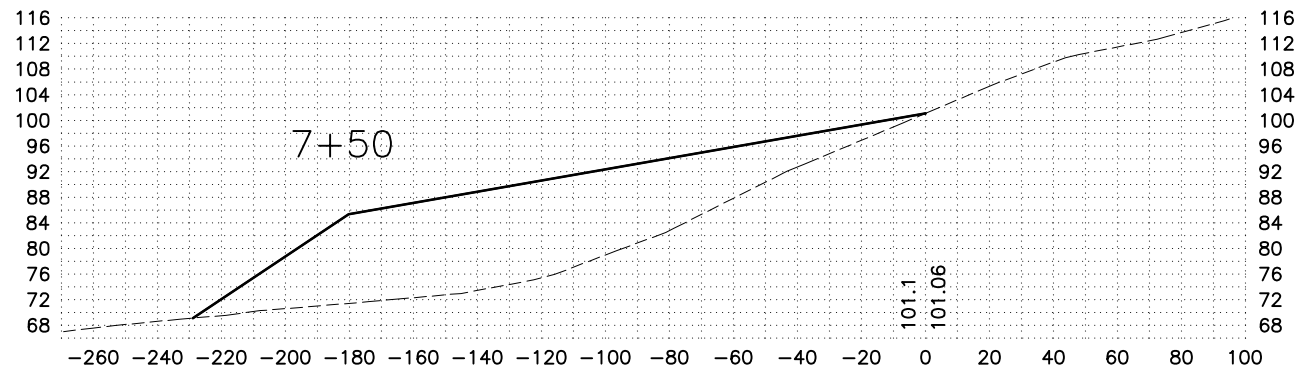
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 OWNER:

PORT OF ANCHORAGE
 TOFC YARD PHASES I & II
 DFSP-A EARTHWORK SECTIONS

SHEET NO.
RFP3.3
 W.O. NO. 840900

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 Anchorage, Alaska 99501
 OWNER:

PORT OF ANCHORAGE
 TOFC YARD PHASES I & II
 DFSP-A EARTHWORK SECTIONS

SHEET NO.
RFP3.4
 W.O. NO. 840900