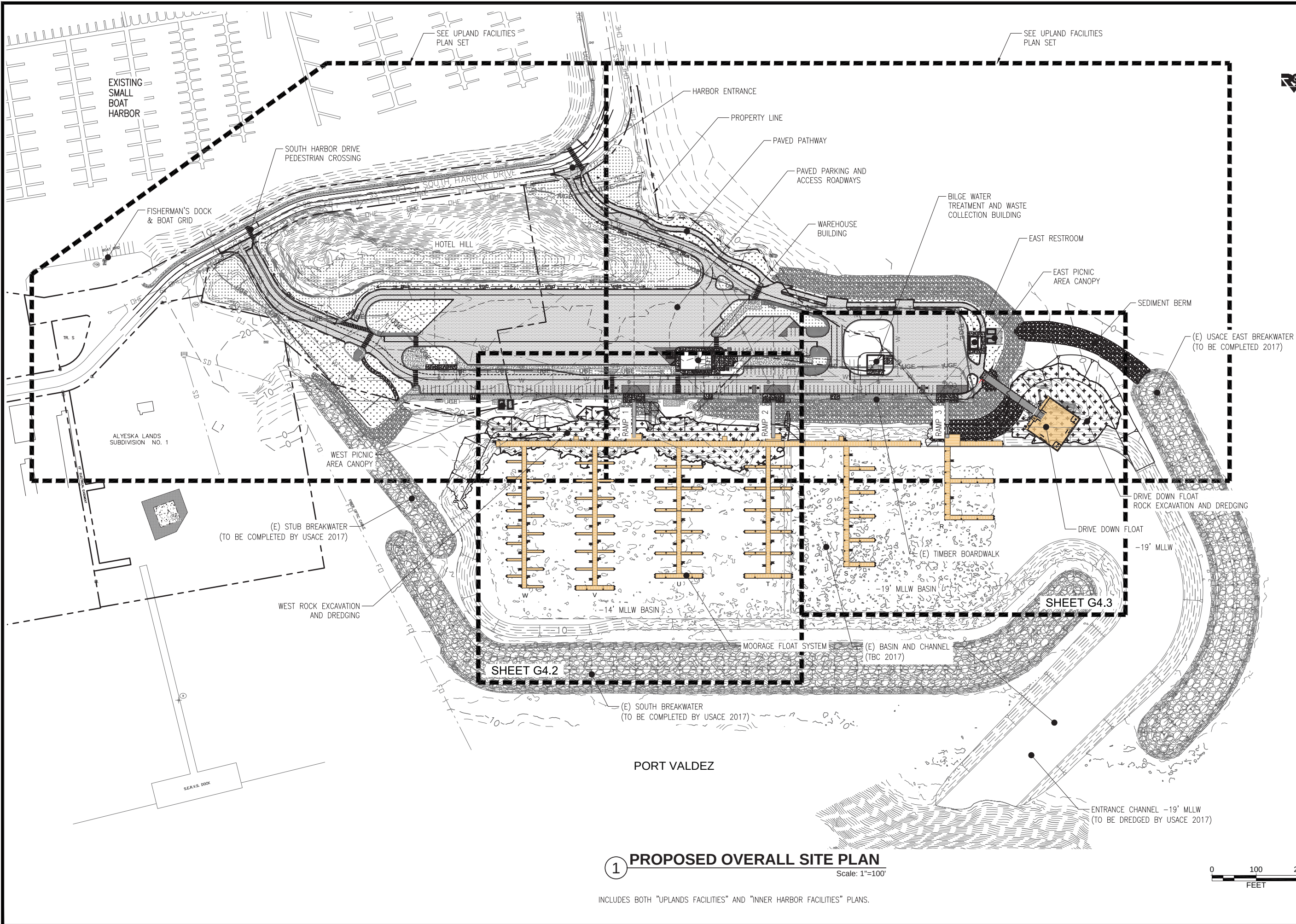


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Plotted 3/9/2017 9:43 AM by Steven Lewis



STATE OF ALASKA
49th
John Daley
SE 14151
3/8/2017
Registered Professional Engineer

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CORPORATE AUTHORIZATION NUMBER AECC111

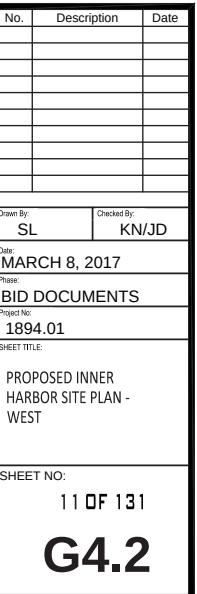
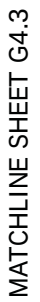
City of Valdez
NEW HARBOR DEVELOPMENT
INNER HARBOR FACILITIES

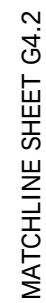
CITY OF VALDEZ, ALASKA
GATEWAY TO THE INTERIOR

No.	Description	Date

Drawn By: SL
Checked By: KN/JD
Date: MARCH 8, 2017
Title: BID DOCUMENTS
Project No: 1894.01
SHEET TITLE: PROPOSED OVERALL SITE PLAN

SHEET NO:
10 OF 131
G4.1





Scale: 1"=30'



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City of Valdez
NEW HARBOR DEVELOPMENT
INNER HARBOR FACILITIES

[illegible]

Drawn By: SL	Checked By: KN/JD
Date: MARCH 8, 2017	
Phase: BID DOCUMENTS	
Project No: 1894.01	
SHEET TITLE: PROPOSED INNER HARBOR SITE PLAN - EAST	

SHEET NO:
12 OF 131
G4.3



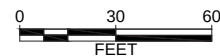
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City of Valdez
NEW HARBOR DEVELOPMENT
INNER HARBOR FACILITIES

Scale: 1" = 30'



1. DREDGE SLOPES:
 - 1.1. SIDE SLOPE 1H:1V IN BEDROCK, UNO.
 - 1.2. 3H:1V SLOPES IN SEDIMENT.
 - 1.3. 2H:1V SLOPES IN SEDIMENT ABOVE BEDROCK CUT SLOPES.
2. OFFSHORE DISPOSAL SITE SHOWN ON CN1.2.
3. UTILITY TRENCH SIDE SLOPES IN BEDROCK SHOWN 1H:1V.
EXCAVATE TRENCH SLOPES AS NECESSARY FOR SLOPE STABILITY AND TO MAINTAIN A CLEAN TRENCH FLOOR.
4. 1H:1V CUT IS SHOWN ONLY AS DESIGN GRADE WITH NO ROCK EXTENDING ABOVE THE LIMITS SHOWN. THE CONTRACTOR SHALL EXCAVATE SLOPES WITH BENCHES OR AS OTHERWISE NECESSARY FOR SLOPE STABILITY.

WEST BASIN COORDINATES TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
WB20	2603039.17	1580576.47	18.00	ME
WB21	2603038.13	1580619.07	18.00	ME
WB22	2603016.91	1580555.60	18.00	ME
WB23	2603019.43	1580630.73	14.00	ME
WB24	2603047.61	1580719.02	3.58	UT
WB25	2603041.29	1580719.02	-0.67	UT
WB26	2602985.63	1580719.02	-11.16	UT
WB27	2602985.61	1580723.02	-11.16	UT
WB28	2603041.29	1580723.02	-0.67	UT
WB29	2603047.61	1580723.02	3.58	UT
WB30	2603028.27	1581031.48	-4.15	UT
WB31	2603009.77	1581031.48	-11.23	UT
WB32	2602992.81	1581031.48	-15.00	UT
WB33	2602985.57	1581031.48	-15.00	UT
WB34	2602985.60	1581035.49	-14.99	UT
WB35	2602992.81	1581035.48	-15.00	UT
WB36	2603009.77	1581035.48	-11.23	UT
WB37	2603027.74	1581035.48	-4.36	UT

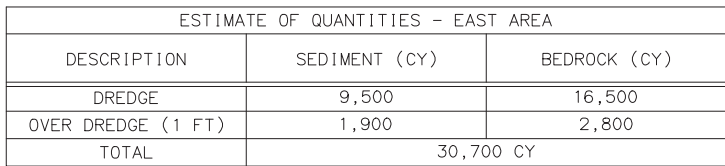
GB: GRADE BREAK
ME: MATCH EXISTING
PC: POINT OF CURVATURE
PI: POINT OF TANGENCY
TRAN: TRANSITION
UT: UTILITY TRENCH

ESTIMATE OF QUANTITIES - WEST AREA		
DESCRIPTION	SEDIMENT (CY)	BEDROCK (CY)
DREDGE	3,900	17,200
OVER DREDGE (1 FT)	1,000	4,100
TOTAL	26,200 CY	

[illegible]

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Phase: BID DOCUMENTS	
Project No: 1894.01	
SHEET TITLE: WEST DREDGING PLAN	

SHEET NO:
13 OF 131
CN1.1



POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
DDB1	2602948.77	1581347.86	-19.00	BEGIN TRAN. 3H:1V
DDB2	2602976.74	1581378.26	-19.00	END TRAN. 1.5H:1V
DDB3	2602976.77	1581458.40	-19.00	PT, 1.5H:1V
DDB4	2603032.96	1581548.29	-19.00	PT, 1.5H:1V
DDB5	2603046.62	1581554.95	-19.00	PT, 1.5H:1V
DDB6	2603098.35	1581615.30	-19.00	END 1.5H:1V, BEGIN TRAN.
DDB7	2603102.81	1581644.84	-19.00	END TRAN. BEGIN 3H:1V
DDB8	2603102.81	1581655.57	-19.00	PT, 3H:1V
DDB9	2603046.65	1581745.45	-19.00	PT, 3H:1V
DDB10	2602892.61	1581820.58	-19.00	END, 3H:1V
DDB11	2602948.77	1581730.70	-19.00	PT

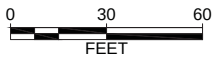
PT: POINT OF TANGENCY
TRAN: TRANSITION

SHEET NOTES:

1. DREDGE SLOPES:
 - 1.1. SIDE SLOPE 1.5H:1V IN BEDROCK.
 - 1.2. 3H:1V, SLOPES IN SEDIMENT.
 - 1.3. SEE SHEET CN1.3 FOR EAST BASIN SECTIONS.
 - 1.4. OFFSHORE DISPOSAL SITE SHOWN ON CN1.2.
 - 1.5. TO PREVENT SLOUGHING DUE TO TIDAL ACTION COMPLETE WORK DURING A PERIOD OF HIGH TIDES AND PROTECT WITH RIPRAP PRIOR TO MINUS TIDES.

1 EAST DREDGING PLAN

Scale: 1" = 30'



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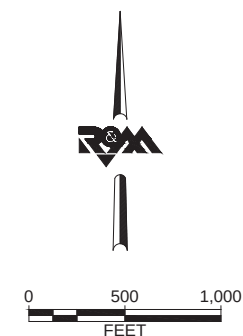
City of Valdez

NEW HARBOR DEVELOPMENT INNER HARBOR FACILITIES

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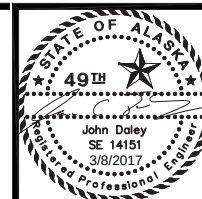
Drawn By: SL	Checked By: KN/JD
Date: MARCH 8, 2017	
Phase: BID DOCUMENTS	
Project No: 1894.01	
SHEET TITLE: EAST DREDGING PLAN	

SHEET NO:
14 OF 131
CN1.2



1. ALL DREDGED MATERIAL DESIGNATED FOR OFFSHORE DISPOSAL SHALL BE RELEASED WITHIN THE DEFINED DISPOSAL AREA.
2. ANY UPLAND DISPOSAL SHALL BE COORDINATED WITH THE CITY. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEWATERING REQUIREMENTS AND PERMITS FOR UPLAND DISPOSAL.
3. IMAGE SOURCE NOAA CHART 16707 WITH SOUNDINGS SHOWN IN FATHOMS. IMAGE IS NOT GEOREFERENCED DO NOT USE FOR NAVIGATION OR CONSTRUCTION.
4. DISPOSAL AREA WILL BE IN USE STARTING SPRING 2016 THRU END OF 2017 BY WESTERN MARINE CONSTRUCTION, INC. AS PART OF CITY OF VALDEZ NEW HARBOR DEVELOPMENT PROJECT UNDER USACE CONTRACT. COORDINATION MAY BE REQUIRED FOR WORK PERFORMED DURING THIS TIME PERIOD.

DISPOSAL AREA LIMITS		
POINT	NORTHING	EASTING
I	2599592.26	1580719.92
J	2599299.21	1581410.30
K	2598608.84	1581117.25
L	2598901.88	1580426.87



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City of Valdez
 NEW HARBOR DEVELOPMENT
 INNER HARBOR FACILITIES

[illegible]

Drawn By: SL	Checked By: KN/JD
Date: MARCH 8, 2017	
Phase: BID DOCUMENTS	
Project No: 1894.01	
SHEET TITLE: OFFSHORE DISPOSAL AREA SITE PLAN	

SHEET NO:
15 OF 131
CN1.3



City of Valdez
NEW HARBOR DEVELOPMENT
INNER HARBOR FACILITIES

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