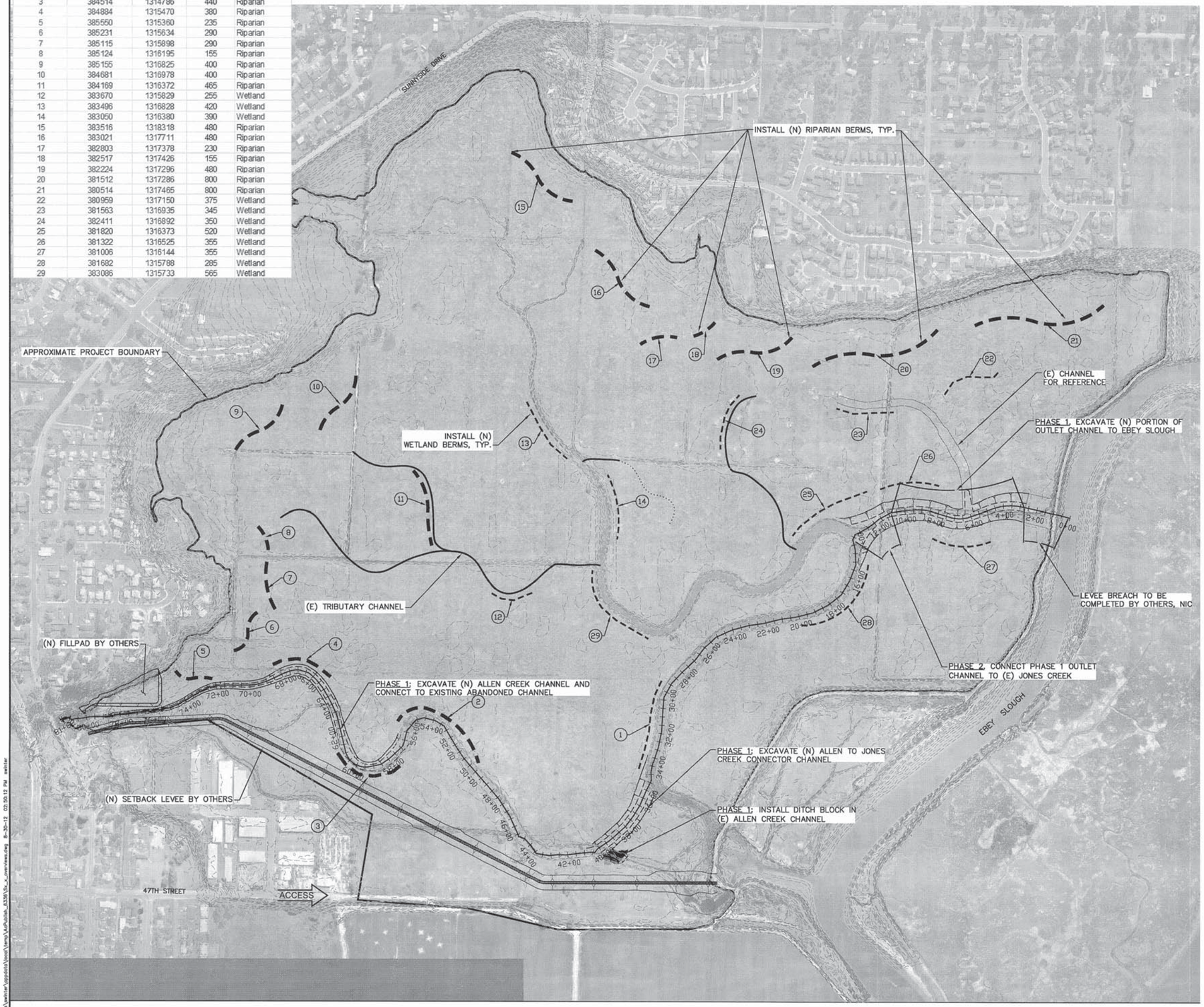
ESA

Qwuloolt Estuary Restoration Site - Proposed Project Elements
Marysville, Washington

Berm Number	Northing (ft)	Easting (ft)	Length (ft)	Type
1	382851	1315093	540	Wetland
2	384053	1315125	670	Riparian
3	384514	1314786	440	Riparian
4	384884	1315470	380	Riparian
5	385550	1315360	235	Riparian
6	385231	1315634	290	Riparian
7	385115	1315898	290	Riparian
8	385124	1316195	155	Riparian
9	385155	1316825	400	Riparian
10	384681	1316978	400	Riparian
11	384169	1316372	465	Riparian
12	383670	1315829	255	Wetland
13	383496	1316828	420	Wetland
14	383050	1316380	390	Wetland
15	383516	1318318	480	Riparian
16	383021	1317711	480	Riparian
17	382803	1317378	230	Riparian
18	382517	1317426	155	Riparian
19	382224	1317296	480	Riparian
20	381512	1317286	800	Riparian
21	380514	1317465	800	Riparian
22	380959	1317150	375	Wetland
23	381563	1316935	345	Wetland
24	382411	1316892	350	Wetland
25	381820	1316373	520	Wetland
26	381322	1316525	355	Wetland
27	381006	1316144	355	Wetland
28	381682	1315788	285	Wetland
29	383086	1315733	565	Wetland



PHASING NOTES

1. PHASE 2 CONSTRUCTION SHALL NOT PROCEED WITHOUT WRITTEN AUTHORIZATION FROM OWNER. PHASE 2 CONSTRUCTION IS REQUIRED IMMEDIATELY PRIOR TO BREACHING.
2. CONSTRUCT BERMS AND FILL DITCHES WITH MATERIAL GENERATED FROM EXCAVATION OF CHANNELS AND/OR FROM IMPORTED MATERIAL, ALL PLACEMENTS TO BE STAKED IN THE FIELD FOR APPROVAL BY PROJECT REPRESENTATIVE.
3. RIPARIAN BERMS TO BE INSTALLED DURING PHASE 1.
4. WETLAND BERMS TO BE INSTALLED IN BOTH PHASE 1 AND 2, EFFORT SHALL BE SCALED TO AMOUNT OF FILL GENERATED THROUGH EXCAVATION. SEE TABLES THIS SHEET FOR APPROXIMATE QUANTITIES.

PHASE 1 MATERIALS

EXCAVATION SOURCE	VOLUME (CY IN BANK)	NOTES
NEW OUTLET	26,700	EXCAVATION MAY EXTEND BELOW WATER TABLE TO SATURATED OR HIGH MOISTURE CONTENT SOILS
ALLEN - JONES CONNECTOR	11,600	
NORTH ALLEN CREEK RE-ALIGNMENT	12,200	
SUBTOTAL	**50,500**	MINIMUM

PHASE 2 MATERIALS

EXCAVATION SOURCE	VOLUME (CY IN BANK)	NOTES
LEVEE STRIPPINGS	21,430	EXCAVATION BY OTHERS; TO BE STOCKPILED ALONG LEVEE ALIGNMENT
STORMWATER POND EXCAVATION	13,310	EXCAVATION BY OTHERS; TO BE STOCKPILED ALONG LEVEE ALIGNMENT
PHASE 2 OUTLET CHANNEL	14,300	EXCAVATION MAY EXTEND BELOW WATER TABLE TO SATURATED OR HIGH MOISTURE CONTENT SOILS
EXCESS SURCHARGE	5,000 TO 10,000	EXCAVATION BY OTHERS
SUBTOTAL	**54,040**	MINIMUM

N

0 150 300 600
SCALE (FEET)

REVISIONS

NO.	DESCRIPTION	BY	DATE
5			
4			
3			
2			
1			

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3309 Broadway Ave. NW
Seattle, WA 98107
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PREPARED FOR: TULALIP TRUSTEES

SHEET TITLE: SITE MAP - PROPOSED CONDITION OVERVIEW

PROJECT: QWULOOLT ESTUARY TIDAL WETLAND RESTORATION

APPROVED

DESIGNED S. WINTER
DRAWN S. WINTER
INCHARGE B. BATTALIO License 42109

ROBERT BATTALIO
STATE OF WASHINGTON
42109
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 1/13/2013

SCALE AS SHOWN
ESA JOB # D209584.01
PROJECT # D209584.01
DATE AUG. 27, 2012
SHEET 3 OF 17

GENERAL NOTES:

1. TOPOGRAPHIC MAPPING PREPARED BY DUANE HARTMAN AND ASSOCIATES USING AERIAL PHOTOGRAMMETRIC METHODS. AERIAL PHOTOGRAPH DATED JUNE 19, 2005. ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) IN FEET. HORIZONTAL DATUM AT SITE IS NORTH AMERICAN DATUM OF 1983 (NAD83) STATEPLANE WASHINGTON NORTH IN FEET.
2. ELEVATIONS ARE APPROXIMATE, AND MAY NOT BE SHOWN ACCURATELY IN AREAS PONDED WHEN PHOTOGRAPH WAS TAKEN. MAPPING SHOULD BE FIELD CHECKED BEFORE FINAL DESIGN, AND CRITICAL GRADES SURVEYED IN THE FIELD BEFORE CONSTRUCTION.
3. DRAINAGE PIPE AT STORMWATER DETENTION OUTLET DISCHARGES TO THE EXISTING THALWEG OF ALLEN CREEK.

LEGEND	
———	NEW WORK, THIS CONTRACT
———	N.I.C

1 / C-102 GENERAL SITE PLAN
1"=300'
0 300 600

US Army Corps of Engineers®
SEATTLE DISTRICT

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
SEATTLE DISTRICT
SEATTLE, WASHINGTON

DESIGNED BY: LEF-KAR,ZPC
DWN BY: MCP
CKD BY: GKK
SUBMITTED BY: WETZLER
PLOT DATE:
PLOT TIME: 2:00 PM
SIZE: ANSI D
FILE NAME: PN142460_QTWR-C-102GEN.DGN
DATE: 13 JULY 2012
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

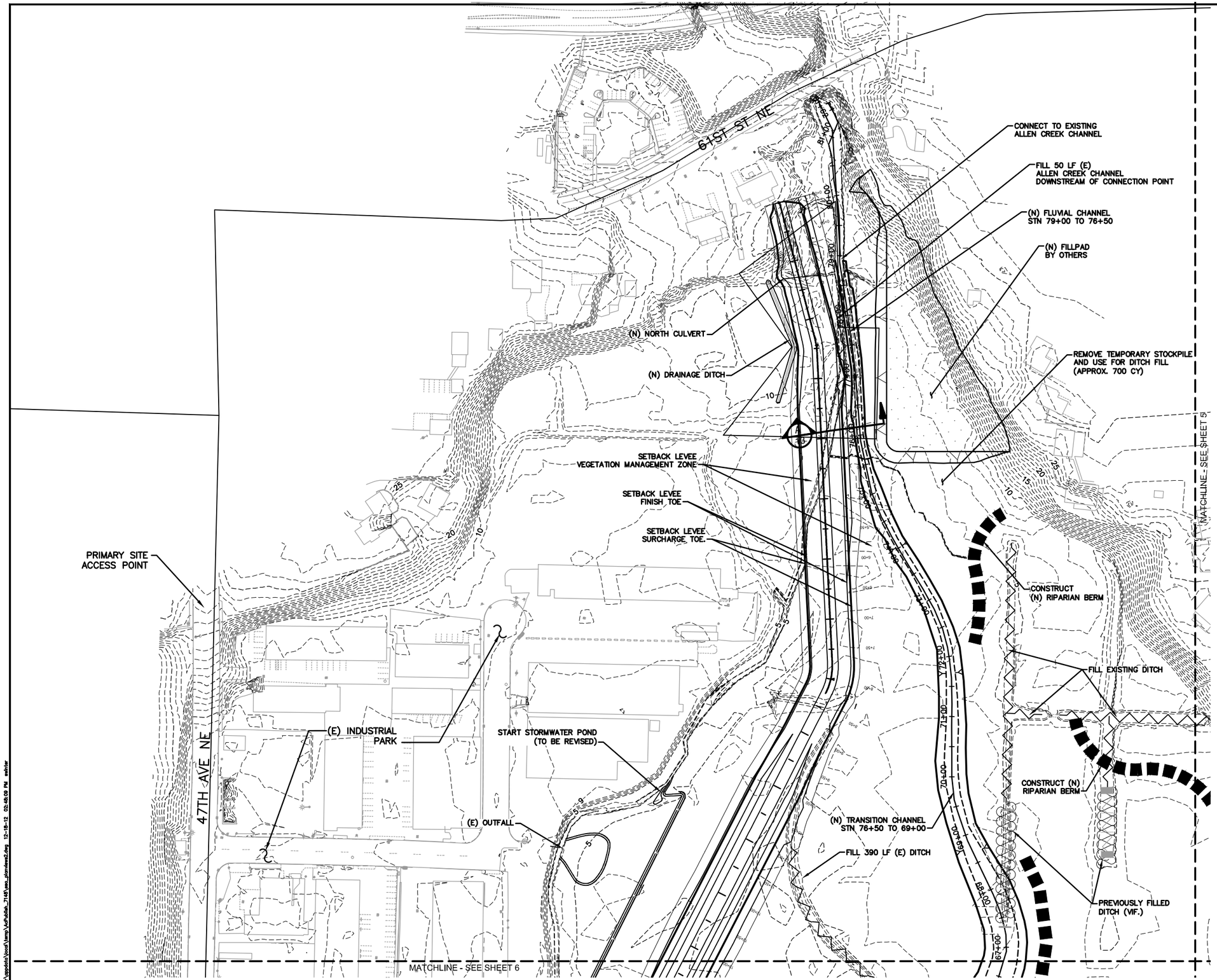
FY12 QWULOOLT ECOSYSTEM RESTORATION
MARYSVILLE, WASHINGTON
PN142460

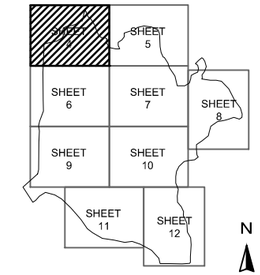
GENERAL SITE PLAN

SHEET IDENTIFICATION
C-102
SHEET 13 OF 49

DESIGN FILE: c:\documents and settings\g3ecdmcp\my documents\pwwork\dms51223\PN142460_QTWR-C-102GEN.DGN

DATE AND TIME PLOTTED: $$$DATE$$$$





KEY MAP

SOURCE NOTES:

1. THE SETBACK LEVEE, DRAINAGE, AND STORMWATER POND ARE BASED ON MICROSTATION FILES PROVIDED BY THE US ARMY CORPS OF ENGINEERS IN DECEMBER 2012.
2. THE INTERNAL ELEMENTS OF CHANNELS, BERMS, AND DITCH FILL ARE BASED ON ESA'S FINAL PLANS FROM AUGUST 2012.
3. NO AS-BUILT DATA FROM SUMMER 2012 HAVE BEEN INCORPORATED INTO THESE DRAWINGS.
4. THESE DRAWINGS ARE FOR CONVENIENCE ONLY – NOT FOR CONSTRUCTION FROM THESE PLANS.
5. FOR DETAILS AND MOST SECTIONS SEE RESPECTIVE FINAL PLANS.

CONSTRUCTION NOTES:

1. DEWATER EXISTING ALLEN CREEK CHANNEL ONLY AS NECESSARY TO CONNECT NEW CHANNEL
2. CONTRACTOR TO SUBMIT DE-WATERING PLAN AT LEAST TEN BUSINESS DAYS PRIOR TO WORK.
3. ENGINEER TO DETERMINE EXTENT OF DITCH FILL.
4. TEMPORARY STOCKPILE GENERATED BY OTHERS, COORDINATE WITH PROJECT REPRESENTATIVE FOR AVAILABILITY.
5. SEE SHEET 3 FOR ALLEN CREEK PHASING NOTES

REVISIONS

NO.	DESCRIPTION	BY	DATE
1			
2			
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PREPARED FOR:

TULALIP TRUSTEES

SHEET TITLE

PLAN VIEW GRADING

PROJECT

QWULOOLT ESTUARY
TIDAL WETLAND RESTORATION

APPROVED	
DESIGNED	S. WINTER
DRAWN	S. WINTER
INCHARGE	B. BATTALIO License 42109
SCALE	AS SHOWN
ESA JOB #	D209584.01
PROJECT #	D209584.01
DATE	DEC 17, 2012
SHEET	4 OF X

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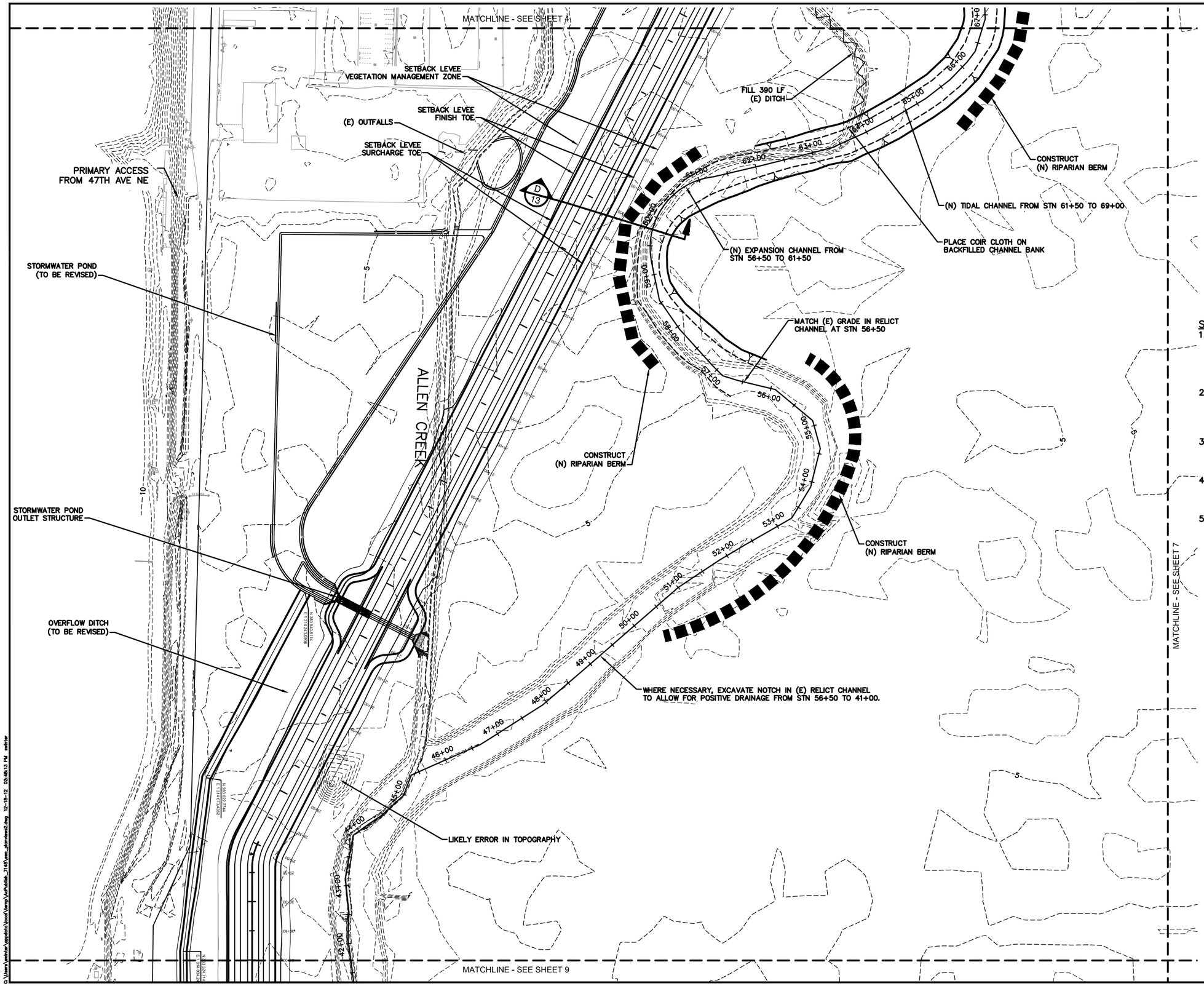

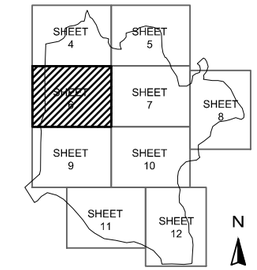

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CONSTRUCTION NOTES:

1. ENGINEER TO DETERMINE EXTENT OF DITCH TO BE FILLED.
2. SEE SHEET 3 FOR ALLEN CREEK PHASING NOTES.

N

0 40 80 160

SCALE (FEET)

REVISIONS

NO.	DESCRIPTION	BY	DATE
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PROJECT #	D209584.01
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SHEET	6 OF X

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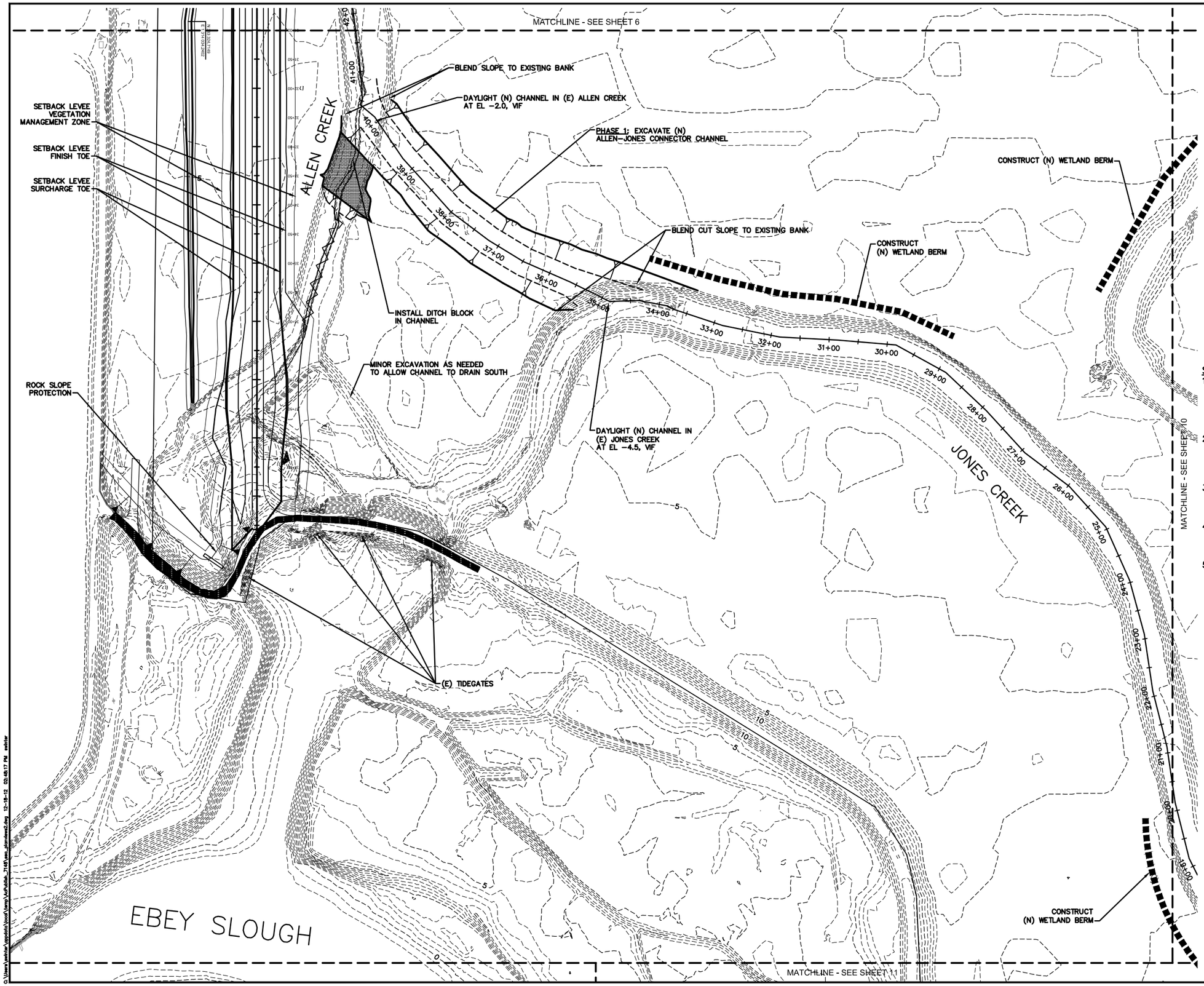

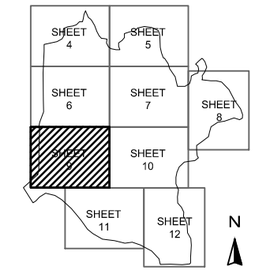

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CONSTRUCTION NOTES:

1. INSTALL TEMPORARY SANDBAG BERM PRIOR TO DIVERTING WATER INTO NEW CHANNEL.
2. SEE SHEET 3 FOR ALLEN CREEK PHASING NOTES.

N

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SCALE (FEET)

REVISIONS

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SHEET TITLE: PLAN VIEW GRADING

PROJECT: QWULOOLT ESTUARY TIDAL WETLAND RESTORATION

APPROVED

DESIGNED S. WINTER

DRAWN S. WINTER

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SHEET 9 OF X

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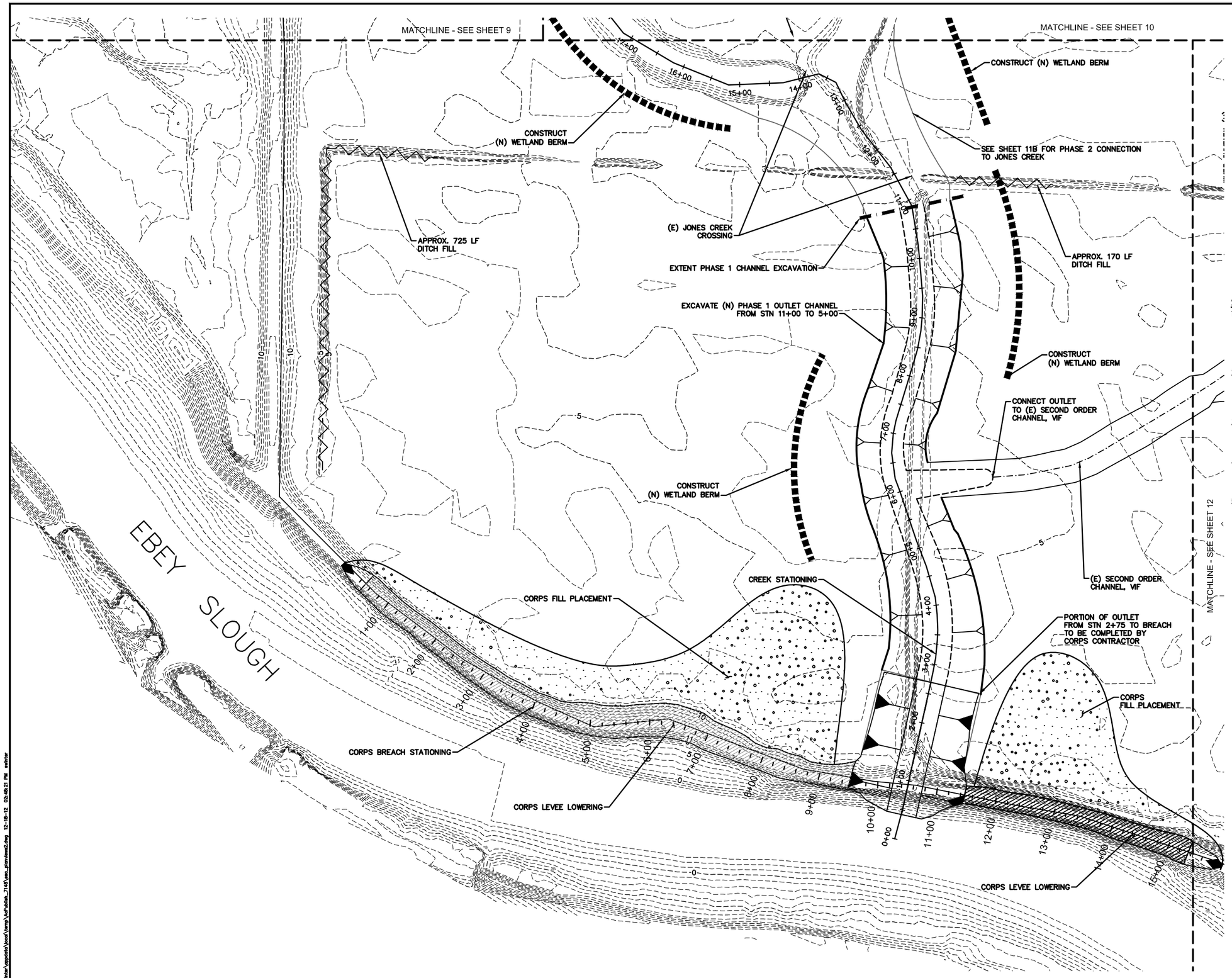

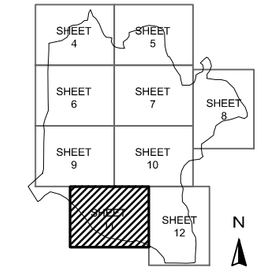

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CONSTRUCTION NOTES:

1. LEAVE AT LEAST 250 FEET FROM EXISTING EBEY SLOUGH LEVEE AT SOUTH END OF PHASE 1 OUTLET CHANNEL.
2. NO EXCAVATION SHALL OCCUR CLOSER THAN 250 FEET TO THE EBEY SLOUGH LEVEE.
3. STOCKPILE EXCAVATED MATERIALS IN APPROVED LOCATION AT DIRECTION OF PROJECT REPRESENTATIVE.
4. DO NOT IMPEDE ACCESS TO EXISTING CROSSING ON JONES CREEK.
5. SEE SHEET 11B FOR PHASE 2 OUTLET EXCAVATION PLAN.

REVISIONS

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1			
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SHEET TITLE

PLAN VIEW GRADING - PHASE 1

PROJECT

QWULOOLT ESTUARY
TIDAL WETLAND RESTORATION

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SHEET	11A OF X

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