



Public Notice

U.S. Army Corps of Engineers, Norfolk District

03 December 2012

CENAO-WR-R
NAO-00-2203

FEDERAL PUBLIC NOTICE

The District Commander has received a joint application for Federal and State permits as described below:

APPLICANT

Plains Marketing, L.P.
c/o Dean Gore- Director, Environmental
333 Clay Street, Suite 1600
Houston, Texas 77002

WATERWAY AND LOCATION OF THE PROPOSED WORK: The project is located along the York River, at 2201 Goodwin Neck Road in Yorktown, Virginia.

PROPOSED WORK AND PURPOSE: The applicant proposes to convert an existing idled petroleum refinery into a crude oil transportation terminal. This project will require upgrades and expansions to the existing rail track within the facility, modifications to the existing intra-facility piping to allow for unloading of crude oil from trains to existing storage tanks, and upgrades and additions to the existing pier, dock piping and loading/unloading equipment to allow for the loading of crude oil onto marine vessels, including the addition of mooring dolphins.

The proposed facility has been designed to avoid onsite wetlands and waters to the greatest extent practicable while meeting the minimum requirements necessary to operate a modern rail terminal. Minimization was achieved by redesigning the project so the majority of the work is to occur in areas which were previously developed and currently consist of rail tracks, roadways, holding tanks, a pier and other existing similar use facilities on the property. The applicant proposes impacts resulting in the discharge of fill material to 3.58 acres of jurisdictional wetlands and 1.49 acres of jurisdictional ditches, including impacts to 2.44 acres of emergent wetlands, 0.73 acres of scrub/shrub wetlands and 0.41 acres of forested wetlands. The majority of the impacts are to occur in low value wetlands and the applicant has agreed to off-set any unavoidable wetland impacts through the purchase of wetland credits from an approved wetland mitigation bank that services the project area. The applicant has proposed to compensate at a 2:1 ratio for forested wetland impacts, a 1.5:1 for scrub/shrub wetland impacts and a 1:1 for emergent wetland impacts.

In addition to the required Department of the Army permit, the applicant must obtain a Virginia Water Protection Permit/401 certification from the Virginia Department of Environmental Quality assuring that applicable laws and regulations pertaining to water quality are not violated and may require a permit from the York County Wetlands Board. Project drawings are attached.

AUTHORITY: Permits are required pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), Sections 401 and 404 of the Clean Water Act (Public Law 95-217) and Title 62.1 of the Code of Virginia.

FEDERAL EVALUATION OF APPLICATION: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. The decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected from the proposal must be balanced against its reasonably foreseeable detriments. All of the proposal's relevant factors will be considered, including conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use classification, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, consideration of property ownership and, in general, the needs and welfare of the people. The Environmental Protection Agency's "Guidelines for Specification of Disposal Sites for Dredged or Fill Material" will also be applied (Section 404(b)(1) of the Clean Water Act).

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the direct, indirect, and cumulative impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. Anyone may request a public hearing to consider this permit application by writing to the District Commander within 15 days of the date of this notice, stating specific reasons for holding the public hearing. The District Commander will then decide if a hearing should be held.

Preliminary review indicates that: (1) no environmental impact statement will be required; (2) no species of fish, wildlife, or plant (or their critical habitat) listed as endangered or threatened under the Endangered Species Act of 1973 (PL 93-205) will be affected; and (3) no known properties eligible for inclusion or included in the National Register of Historic Places are in or near the permit area, or would likely be affected by the proposal. Additional information might change any of these findings. For compliance with the Coastal Zone Management Act of 1972, as amended, the applicant must certify that federally licensed or permitted activities affecting Virginia's coastal zone (Tidewater) will be conducted in a manner consistent with the Virginia Coastal Resources Management Program (VCP). For more information or to obtain a list of the enforceable programs of the VCP, contact the Department of Environmental Quality, Office of Environmental Impact Review at (804) 698-4330 or e-mail: elirons@deq.virginia.gov.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), requires all Federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The York River contains Essential Fish Habitat (EFH) for the life stages of 12 species including whiting (*Merluccius bilinearis*), windowpane flounder (*Scophthalmus aquosus*), bluefish (*Pomatomus saltatrix*), Atlantic butterfish (*Peprilus triacanthus*), summer flounder (*Paralichthys dentatus*), black sea bass (*Centropristes striata*), king mackerel (*Scomberomorus cavalla*), Spanish mackerel

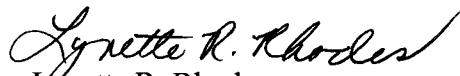
(Scomberomorus maculatus), cobia (Rachycentron canadum), red drum (Sciaenops ocellatus), dusky shark (Charcharhinus obscurus) and sandbar shark (Charcharhinus plumbeus). The habitat that this project would affect consists of sub-tidal waterway with average ambient depths of -20 to -40 feet at mean low water. The proposed project is described in Proposed Work and Purpose, above. The depths in remainder of the waterway will not be affected. No submerged aquatic or vegetated intertidal wetlands are expected to be impacted. Our assessment of the project leads us to a preliminary determination that it will not have a substantial adverse effect on EFH and therefore expanded EFH consultation is not required. Our rationale for this preliminary determination is based on the expected short-term nature of the direct impacts. Based on comments from the National Marine Fisheries Service in response to this public notice, further EFH consultation may be necessary.

COMMENT PERIOD: Comments on this project should be made in writing, addressed to the Norfolk District, Corps of Engineers (ATTN: CENAO-REG), 803 Front Street, Norfolk, Virginia 23510-1096, and should be received by the close of business on **December 18, 2012.**

If you have any questions about this project or the permit process, please call:

Nicole Woodward 757-201-7122

FOR THE DISTRICT COMMANDER:



Lynette R. Rhodes
Chief, Southern Virginia
Regulatory Section

Attachment: Drawings



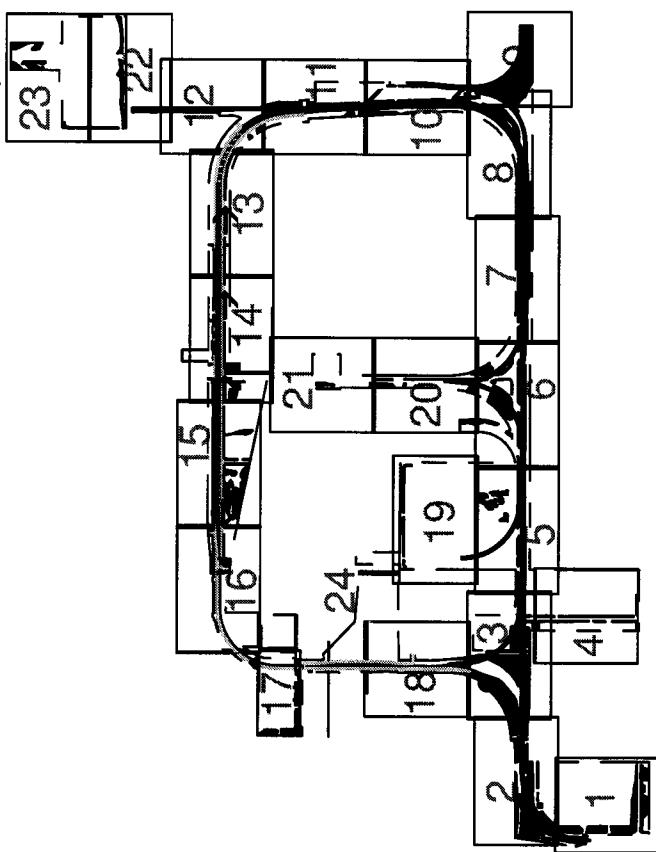
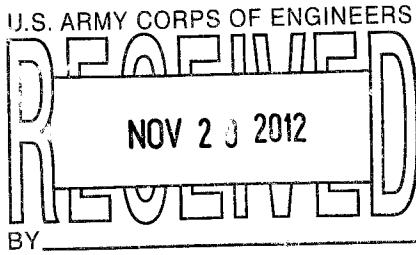
Draper Aden Associates

Engineering • Surveying • Environmental Services

11828 Fishing Point Drive, Suite 118
Newport News, VA 23606
757-599-9800 Fax: 757-599-3684

Blacksburg, VA
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Charlottesville, VA

MAPS



WETLAND IMPACT KEY PLAN
YORKTOWN CRUDE OIL UNLOADING TERMINAL
YORKTOWN, VIRGINIA

DESIGNED	APM	PROJECT:	HR05115-21C
DRAWN	APM		
CHECKED	TKD	SCALE:	1" = 1500'
DATE	11.15.12		0

SHEET NUMBER	SHEET TITLE
1	WETLAND IMPACT MAP - PLAN VIEW
2	WETLAND IMPACT MAP - PLAN VIEW
3	WETLAND IMPACT MAP - PLAN VIEW
4	WETLAND IMPACT MAP - PLAN VIEW
5	WETLAND IMPACT MAP - PLAN VIEW
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17	WETLAND IMPACT MAP - PLAN VIEW
18	WETLAND IMPACT MAP - PLAN VIEW
19	WETLAND IMPACT MAP - PLAN VIEW
20	WETLAND IMPACT MAP - PLAN VIEW
21	WETLAND IMPACT MAP - PLAN VIEW
22	WETLAND IMPACT MAP - PLAN VIEW
23	WETLAND IMPACT MAP - PLAN VIEW
24	WETLAND IMPACT MAP - PLAN VIEW
C1-103	TYPICAL SECTIONS
C1-104	TYPICAL SECTIONS
C1-105	TYPICAL SECTIONS
C1-106	TYPICAL SECTIONS
C1-107	TYPICAL SECTIONS
C1-108	TYPICAL SECTIONS
X1	RAIL CROSS SECTIONS
X2	RAIL CROSS SECTIONS
DOCK 1	OVERALL PLAN VIEW
DOCK 2	ENLARGED PLAN VIEWS
DOCK 3	SECTION VIEWS

A rectangular stamp with a decorative border. The top half of the border features vertical columns of squares and rectangles. The text "U.S. ARMY CORPS OF ENGINEERS" is printed vertically along the left edge of the border. The center of the stamp contains the date "NOV 20 2012". In the bottom right corner, there is a small space followed by the letters "BY".

DRAWING LIST

YORKTOWN CRUDE OIL UNLOADING TERMINAL

YORKTOWN, VIRGINIA

SCALE: NA

PROJECT: HR05115-21C



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12. Fixing Point Data - S.H.

1828 Fishing Point Drive, Suite 118

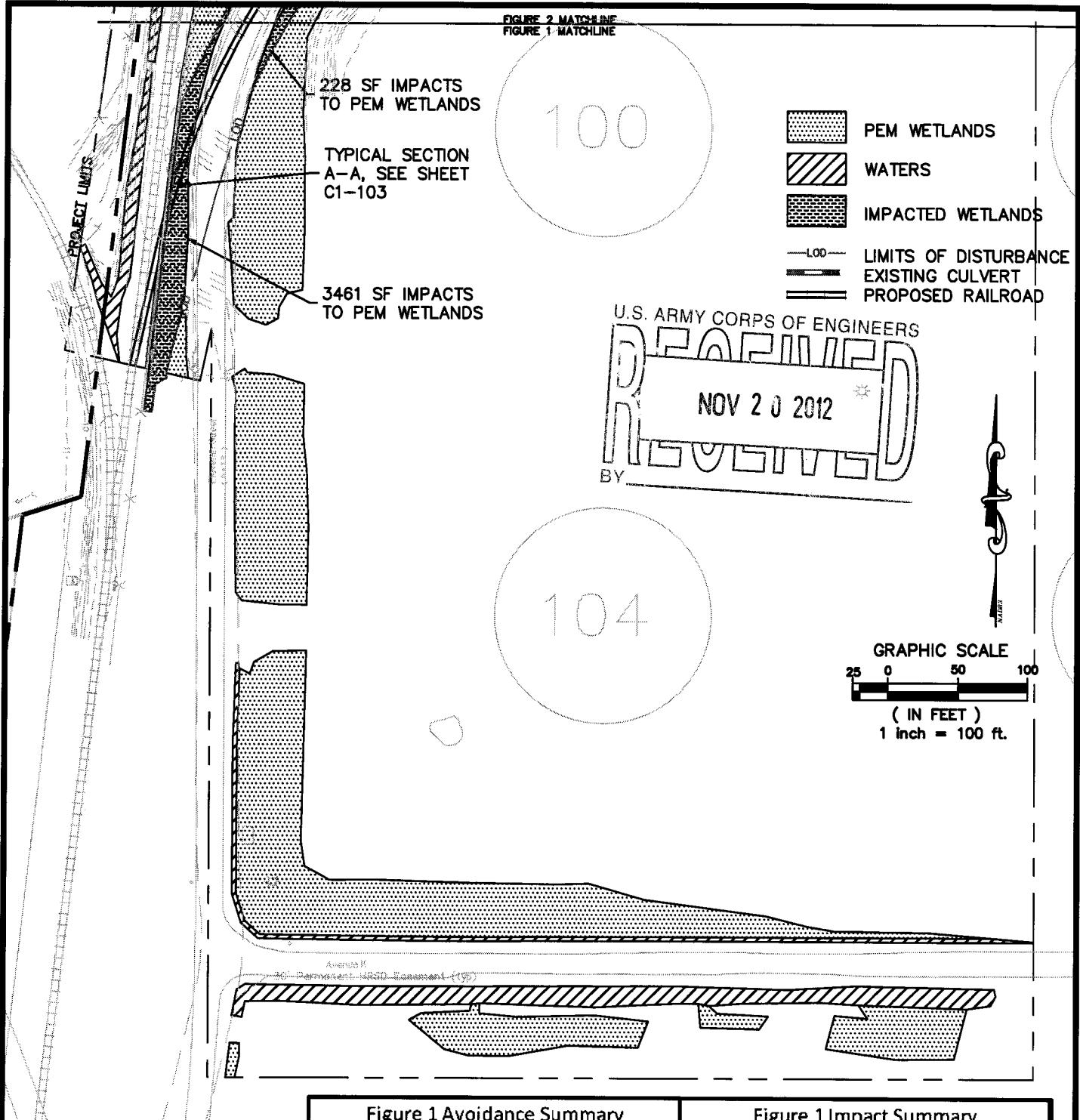
Newport News, VA 23606

757-599-9800 Fax: 757-599-3

57-399-9888 Fax: 737-399-3

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CHECKED TKD
DATE 11.15.12**

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WETLAND IMPACT MAP - PLAN VIEW
YORKTOWN CRUDE OIL UNLOADING TERMINAL
YORKTOWN, VIRGINIA

SCALE: 1" = 100'
PROJECT: HR05115-21C



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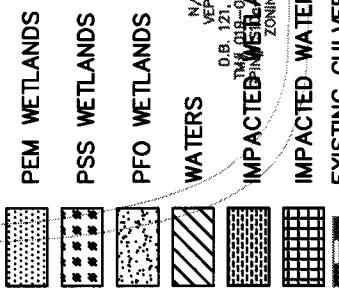


Figure 2 Avoidance Summary

Figure 2 Impact Summary	
Wetlands	67330 sf
Waters	10136 sf
PEM Wetlands	18037 sf
PSS Wetlands	5812 sf
PFO Wetlands	1829 sf
IMPACTED WETLANDS	1032 sf
IMPACTED WATERS	571 sf

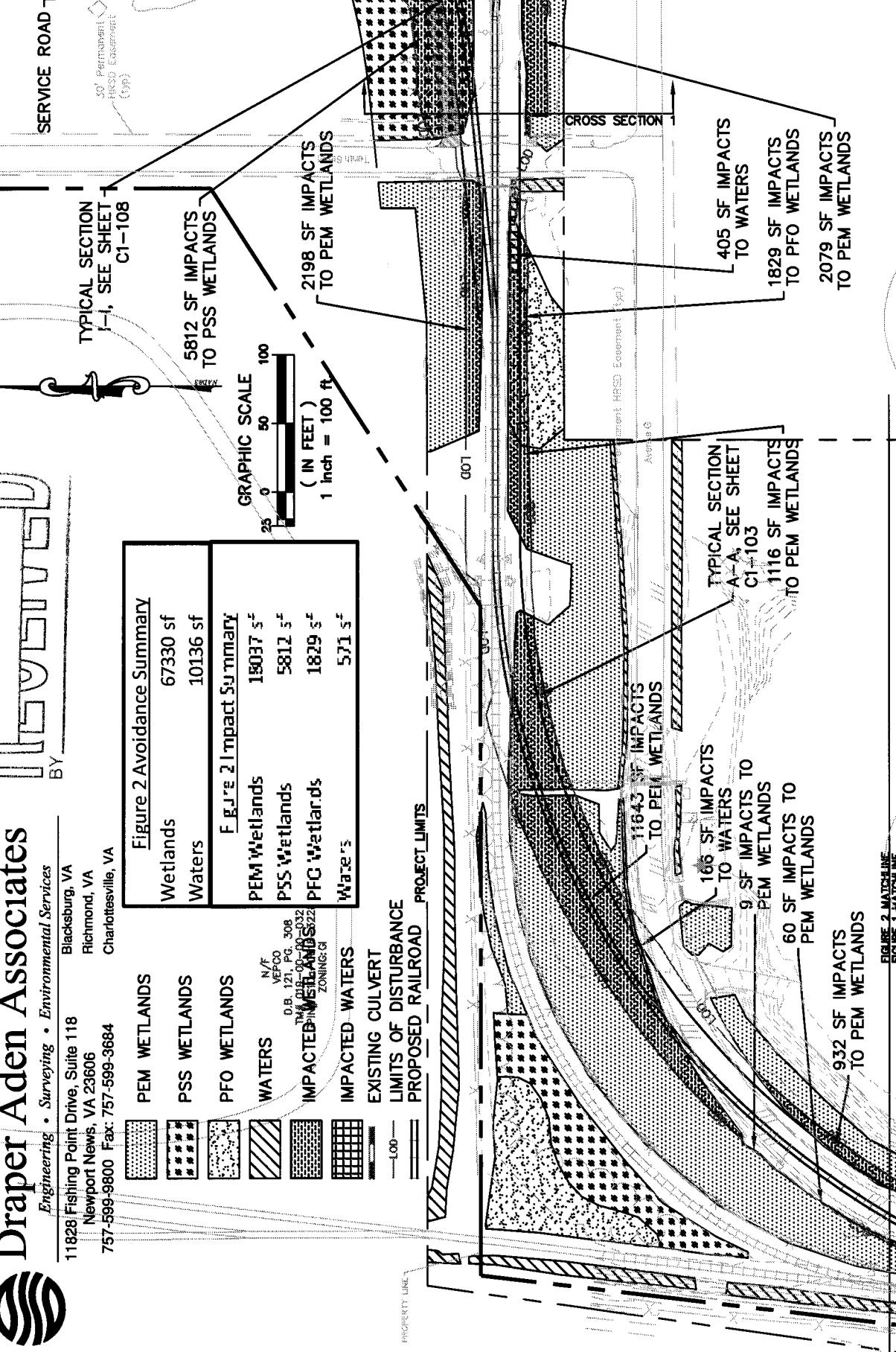


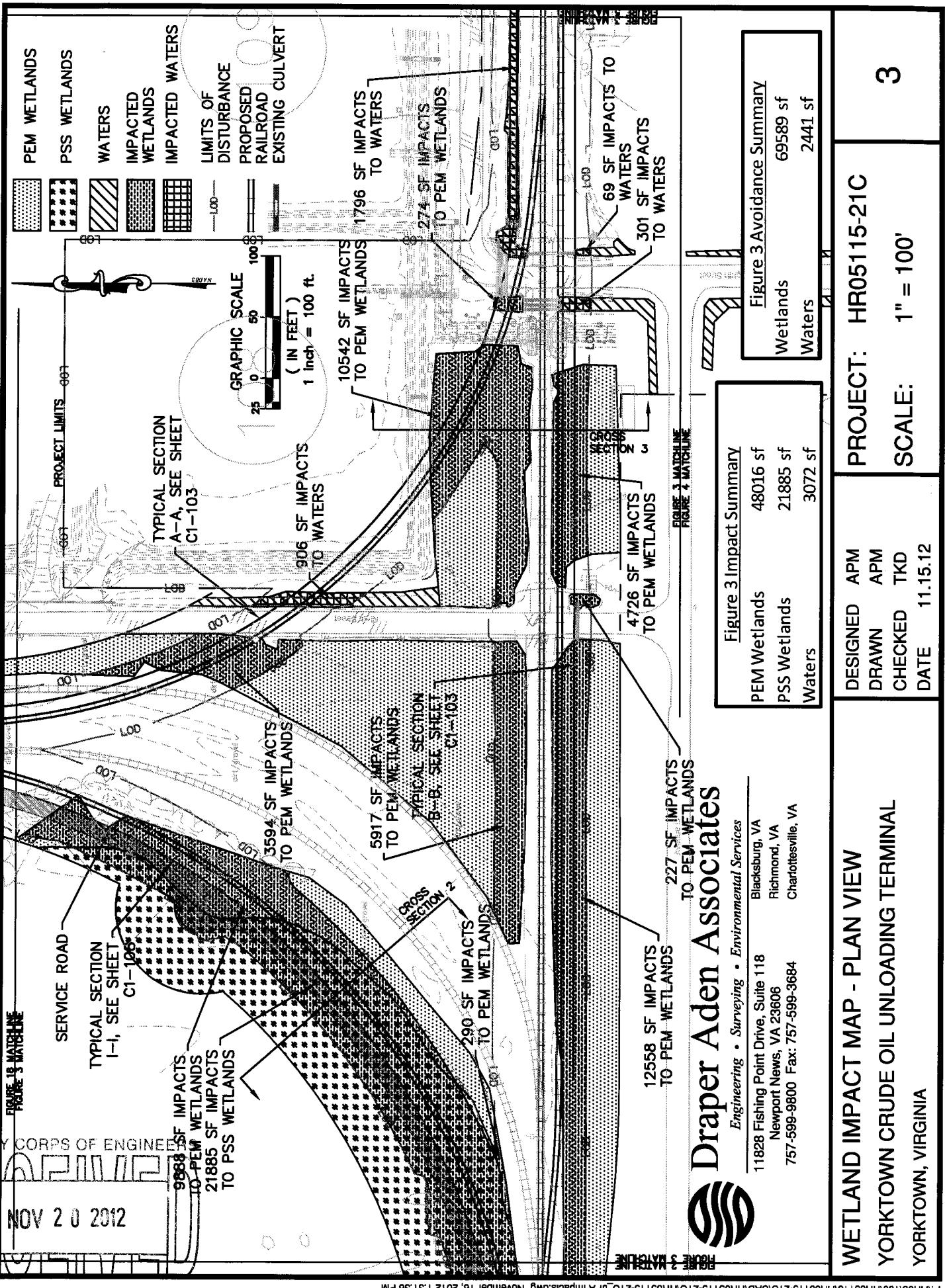
Figure 2 MATCHLINE

PROJECT: HR05115-21C

SCALE: 1" = 100'

WETLAND IMPACT MAP - PLAN VIEW
YORKTOWN CRUDE OIL UNLOADING TERMINAL
YORKTOWN, VIRGINIA

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WETLAND IMPACT MAP - PLAN VIEW
YORKTOWN CRUDE OIL UNLOADING TERMINAL

Figure 3 Impact Summary

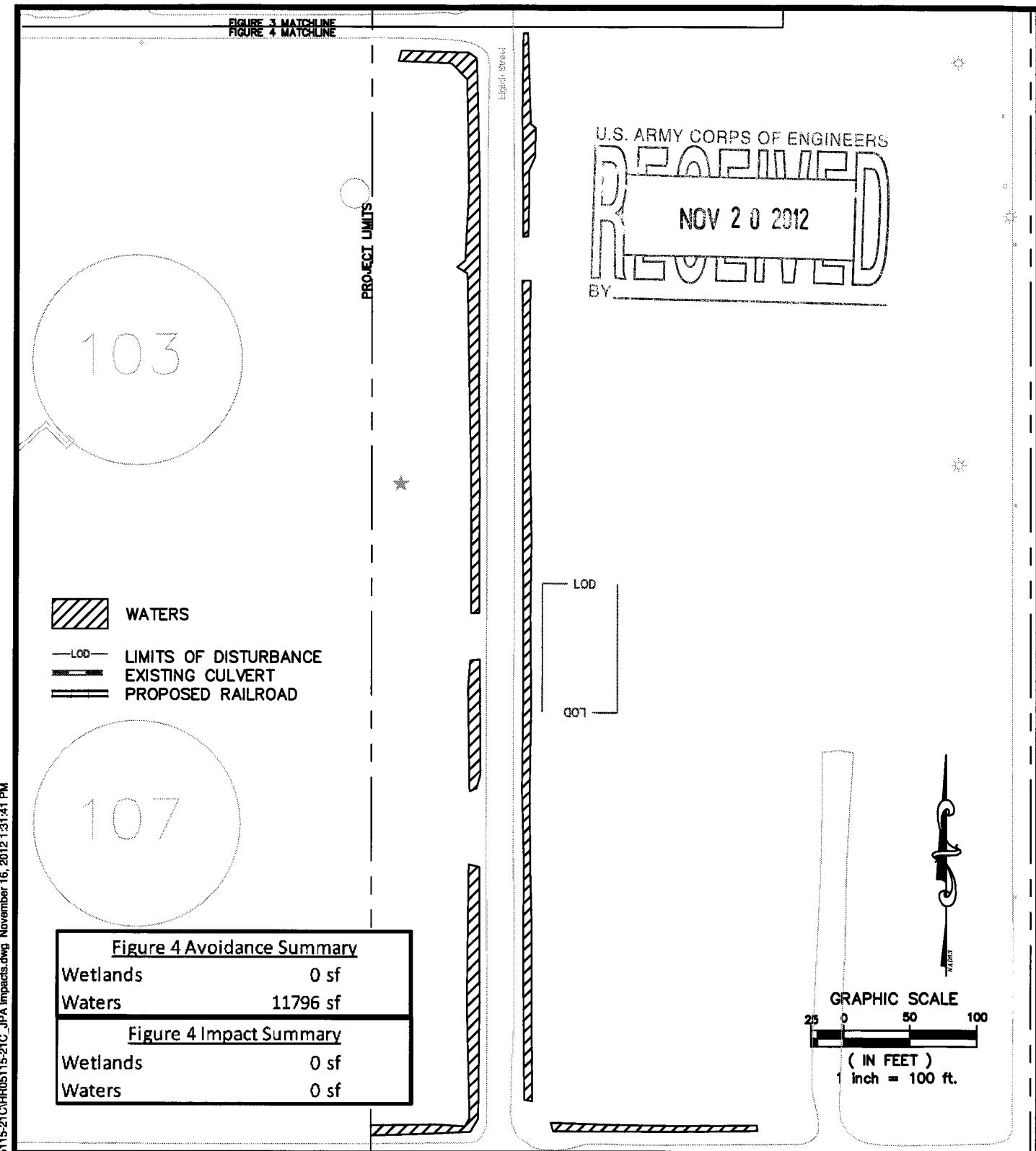
PEM Wetlands
PSS Wetlands
Waters

Figure 3 Avoidance Summary

Wetlands	69589 sf
Waters	2441 sf

C 1

SCALE: 1" = 100'



WETLAND IMPACT MAP - PLAN VIEW
YORKTOWN CRUDE OIL UNLOADING TERMINAL
YORKTOWN, VIRGINIA

SCALE: 1" = 100'
PROJECT: HR05115-21C



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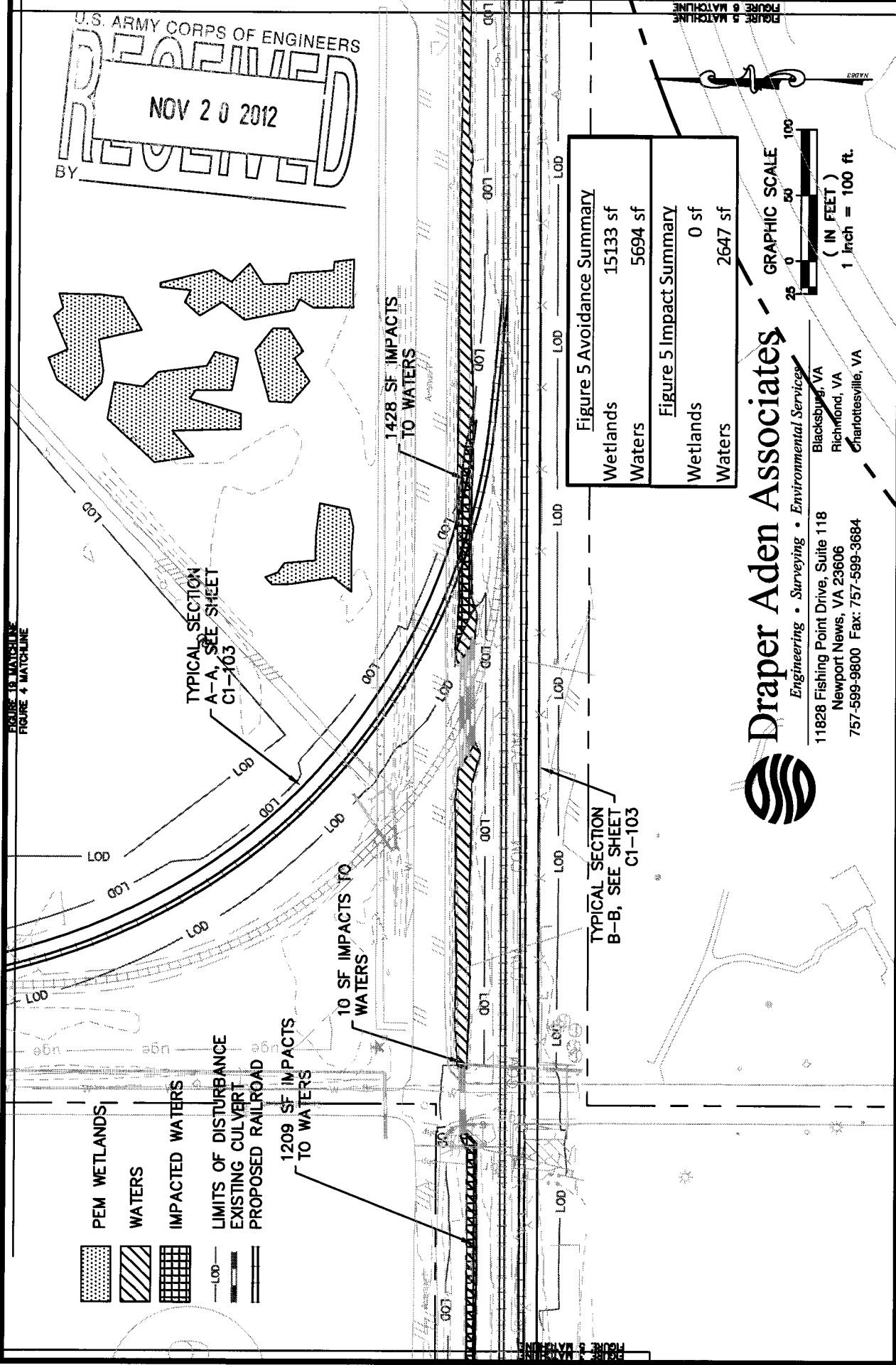
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FIGURE 4 MATCHLINE
FIGURE 5 MATCHLINE

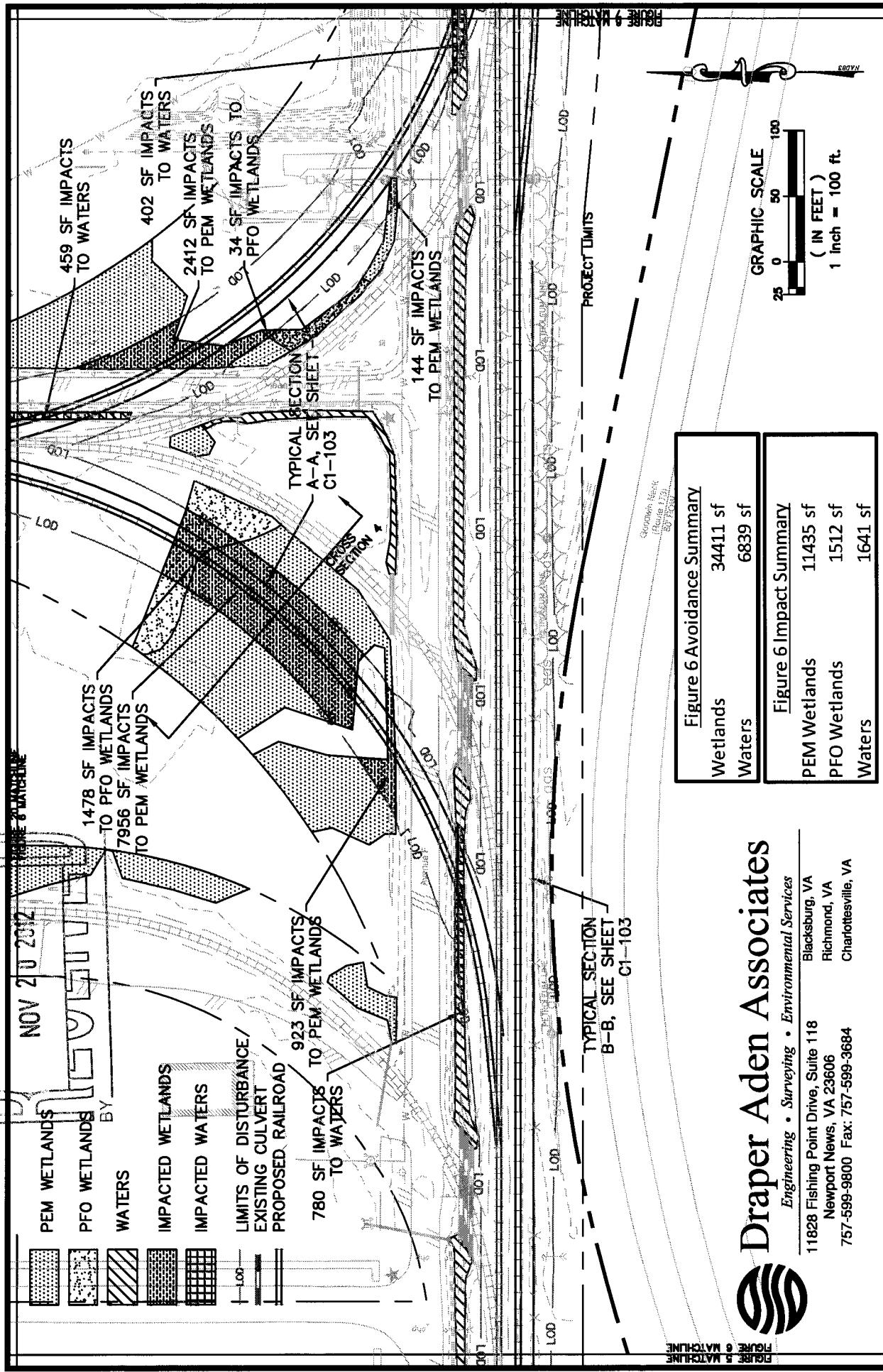


WETLAND IMPACT MAP - PLAN VIEW
YORKTOWN CRUDE OIL UNLOADING TERMINAL
YORKTOWN, VIRGINIA

PROJECT: HR05115-21C

SCALE: 1" = 100'

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WETLAND IMPACT MAP - PLAN VIEW
YORKTOWN CRUDE OIL UNLOADING TERMINAL
YORKTOWN, VIRGINIA

DESIGNED	APM	PROJECT: HR05115-21C
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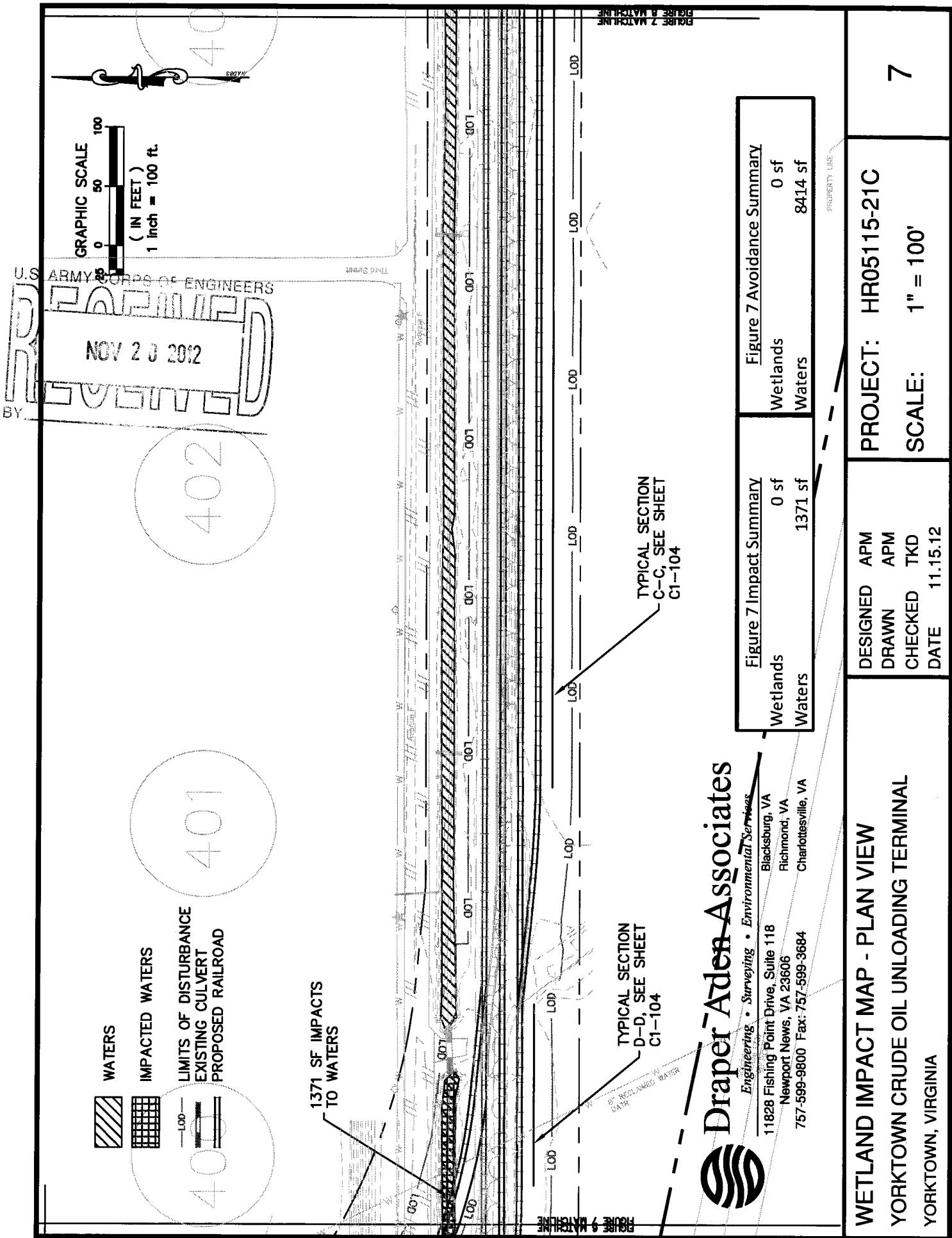
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Figure 6 MATCHLINE



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WETLAND IMPACT MAP - PLAN VIEW YORKTOWN CBUIDE OIL UNLOADING TERMINAL

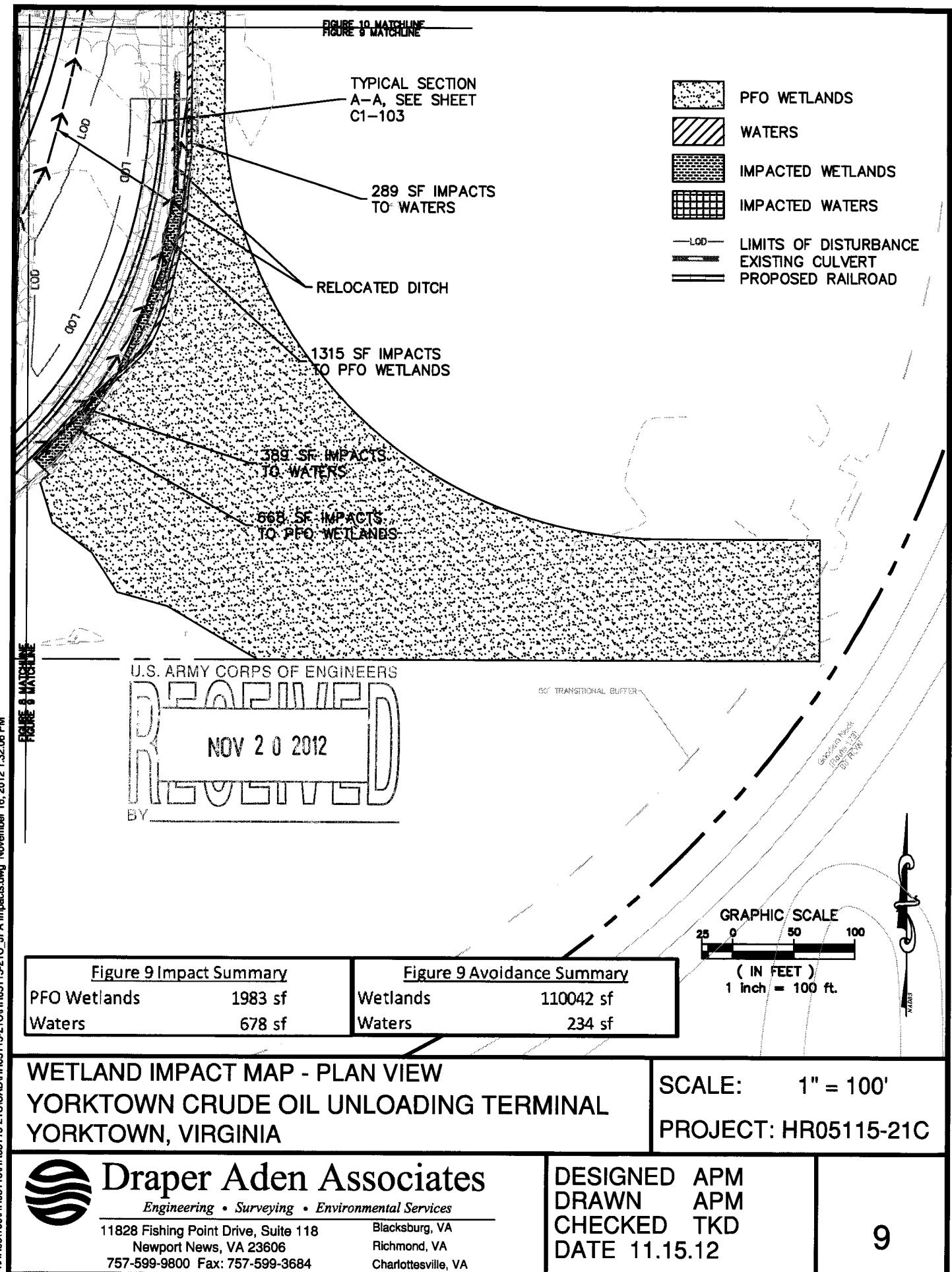
YORKTOWN CRUD

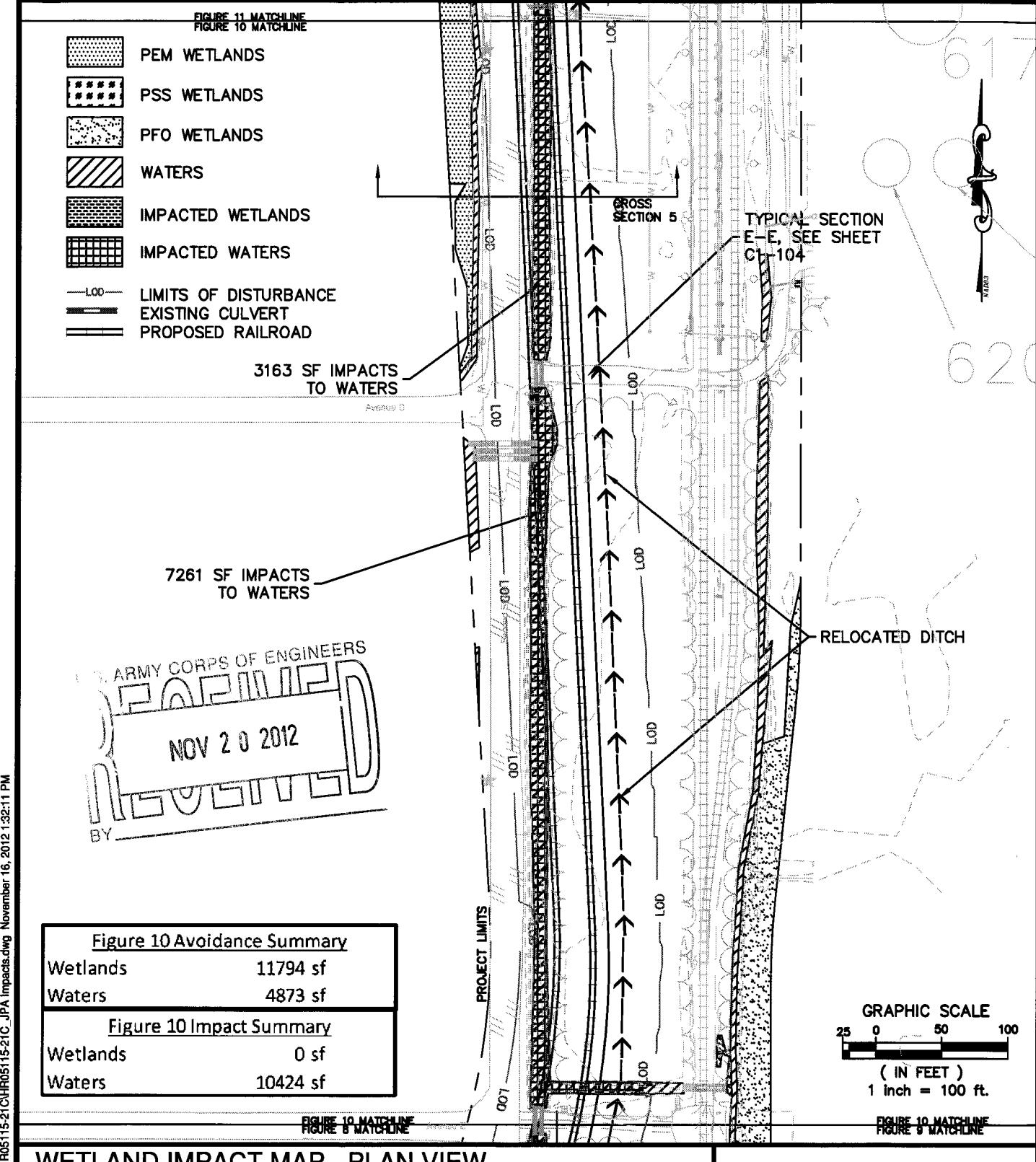
Figure 7 Avoidance Summary

Figure 7 Impact Summary

Figure 7 Avoidance Summary

Figure 7 Impact Summary





WETLAND IMPACT MAP - PLAN VIEW
YORKTOWN CRUDE OIL UNLOADING TERMINAL
YORKTOWN, VIRGINIA

SCALE: 1" = 100'
PROJECT: HR05115-21C



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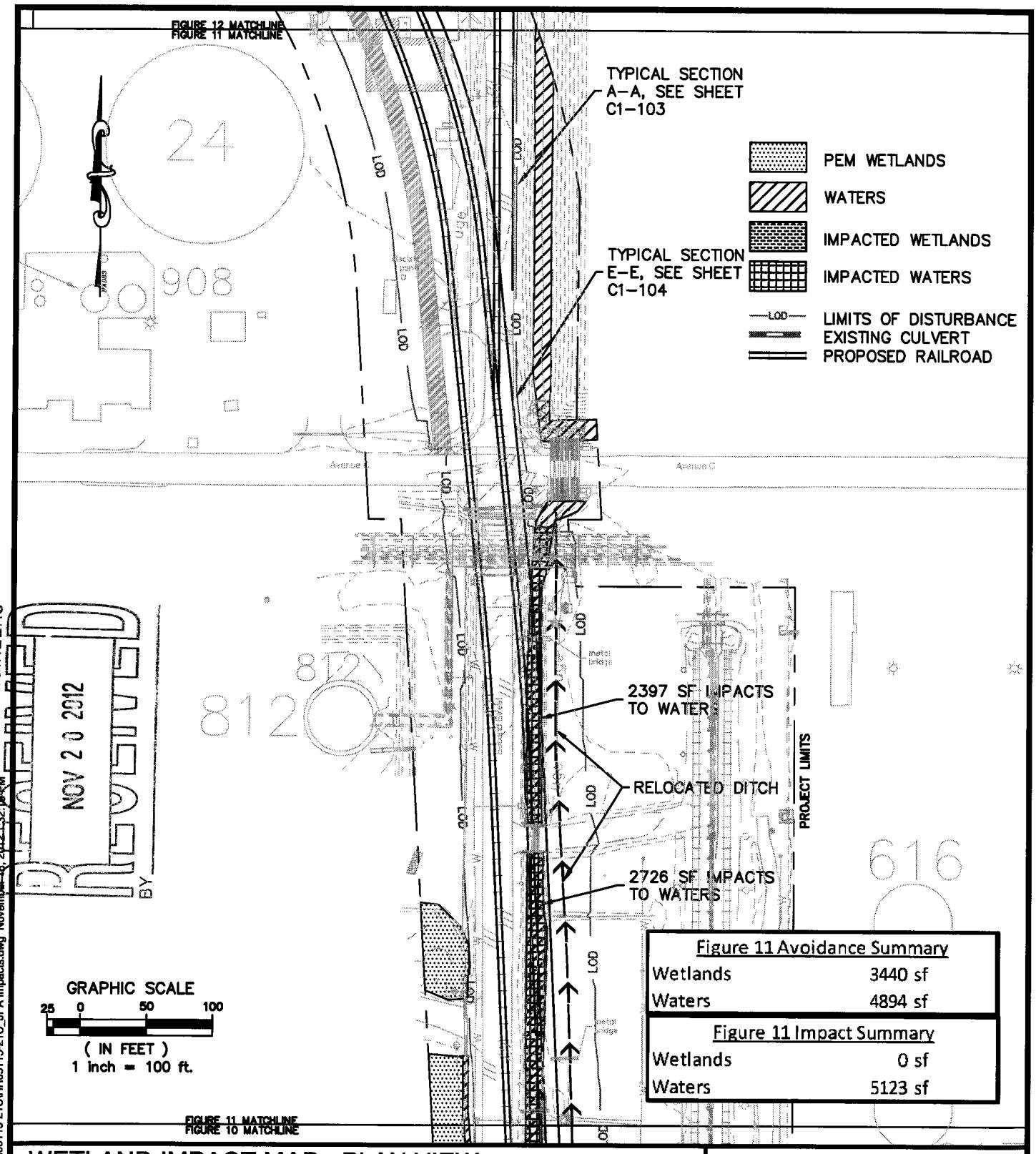
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Richmond, VA
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DATE 11.15.12

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**WETLAND IMPACT MAP - PLAN VIEW
YORKTOWN CRUDE OIL UNLOADING TERMINAL
YORKTOWN, VIRGINIA**

SCALE: 1" = 100'
PROJECT: HR05115-21C



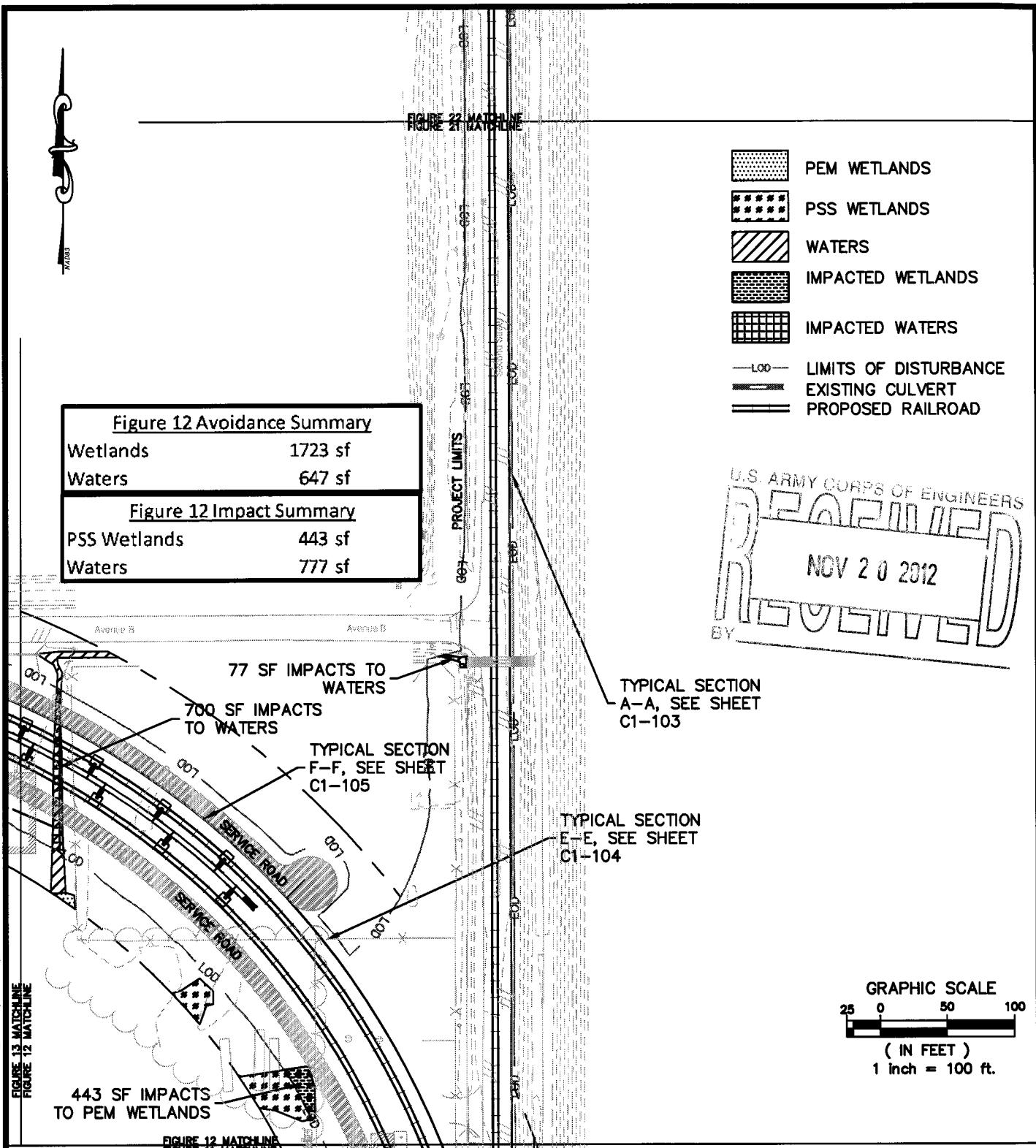
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THE JOURNAL OF HUMAN HEREDITY / Vol. 52, No. 2, March/April 2001

**WETLAND IMPACT MAP - PLAN VIEW
YORKTOWN CRUDE OIL UNLOADING TERMINAL
YORKTOWN, VIRGINIA**

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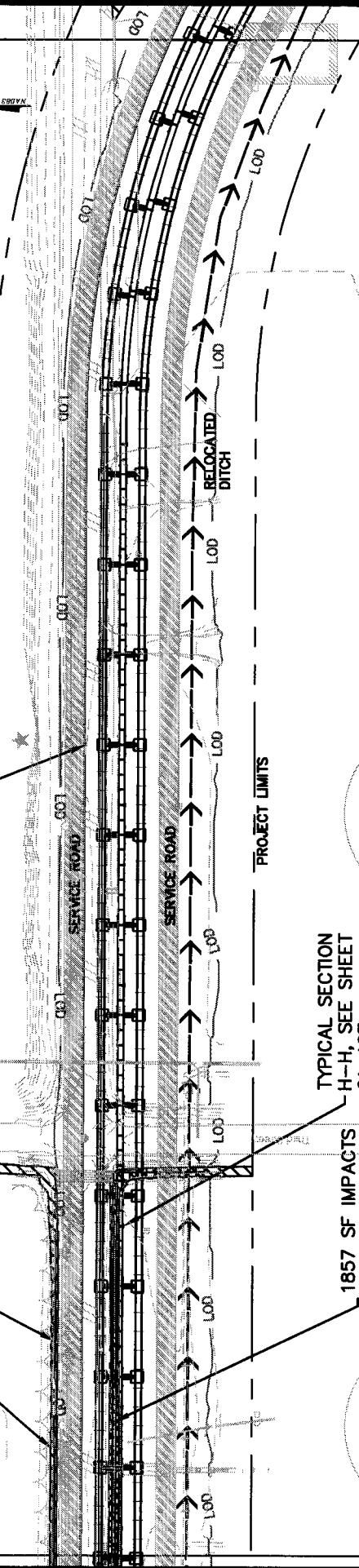
U.S. ARMY CORPS OF ENGINEERS

NOV 20 2012

TYPICAL SECTION
F-F, SEE SHEET
C1-105

182 SF IMPACTS
TO WATERS
195 SF IMPACTS
TO WATERS

GRAPHIC SCALE
(IN FEET)
1 Inch = 100 ft.



TYPICAL SECTION
H-H, SEE SHEET
C1-107

1857 SF IMPACTS
TO WATERS

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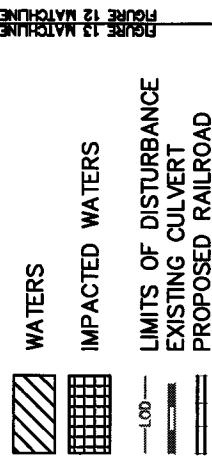


Figure 13 Avoidance Summary

Wetlands	0 sf
Waters	1231 sf

Figure 13 Impact Summary

Wetlands	0 sf
Waters	2234 sf

WETLAND IMPACT MAP - PLAN VIEW
YORKTOWN CRUDE OIL UNLOADING TERMINAL
YORKTOWN, VIRGINIA

PROJECT: HR05115-21C
SCALE: 1" = 100'

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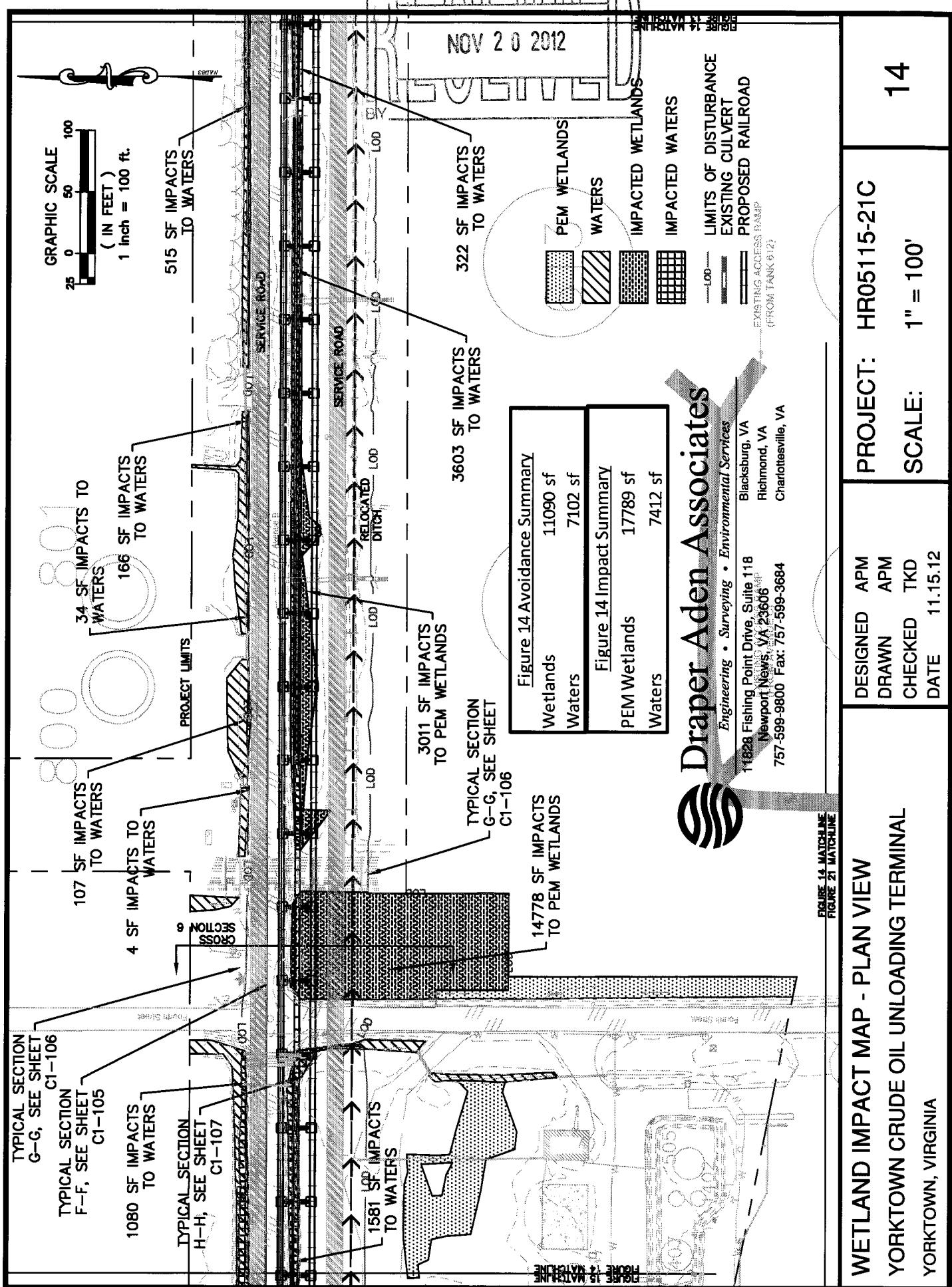
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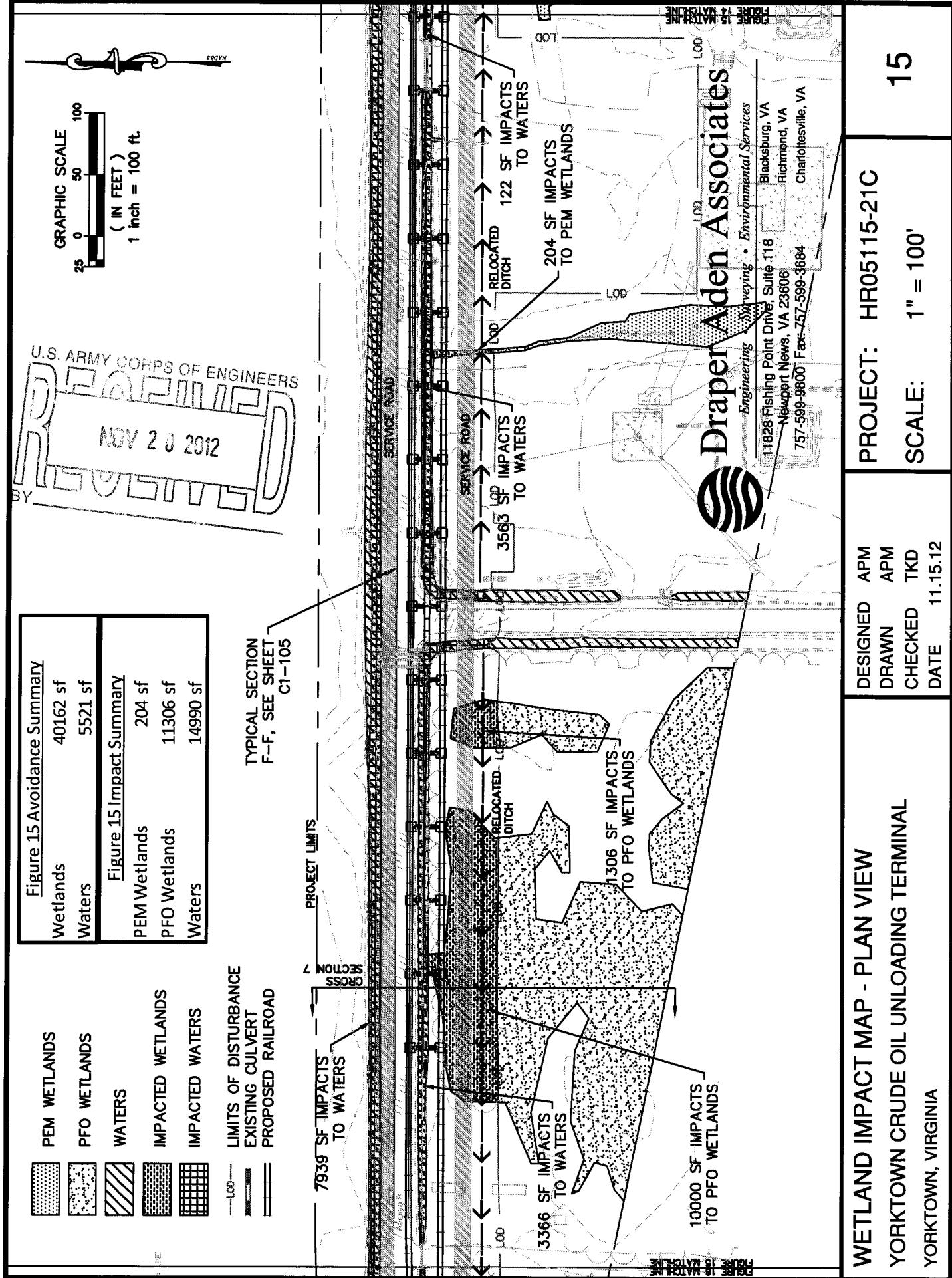
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WETLAND IMPACT MAP - PLAN VIEW
YORKTOWN CRUDE OIL UNLOADING TERMINAL
YORKTOWN, VIRGINIA



WETLAND IMPACT MAP - PLAN VIEW
YORKTOWN CRUDE OIL UNLOADING TERMINAL
YORKTOWN, VIRGINIA

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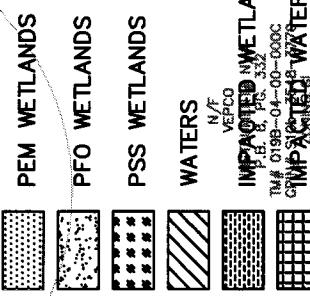
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YORKTOWN CRUDE
YORKTOWN, VIRGINIA

U.S. ARMY CORPS OF ENGINEERS

NOV 20 2012

BY



TYPICAL SECTION
I-I, SEE SHEET
C1-108

LIMITS OF DISTURBANCE
EXISTING CULVERT
PROPOSED RAILROAD

1558 SF IMPACTS
TO WATERS

20 SF IMPACTS TO
WATERS

1 SF IMPACTS TO
WATERS

172 SF IMPACTS
TO WATERS

742 SF IMPACTS
TO WATERS

987 SF IMPACTS
TO PFM WETLANDS

627 SF IMPACTS
TO WATERS

2 SF IMPACTS TO
WATERS

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GRAPHIC SCALE
(IN FEET)
1 inch = 100 ft.

172 SF IMPACTS
TO WATERS

PROJECT LIMITS

CROSS SECTION
SECTION B

SERVICE ROAD

RELOCATED
DITCH

164 SF IMPACTS
TO WATERS

864 SF IMPACTS
TO WATERS

633 SF IMPACTS
TO PSS WETLANDS

1194 SF IMPACTS
TO PFO WETLANDS

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Figure 16 Avoidance Summary

Wetlands	2648 sf
Waters	4738 sf
PFM Wetlands	987 sf
PSS Wetlands	633 sf
PFC Wetlands	1194 sf
Waters	4511 sf

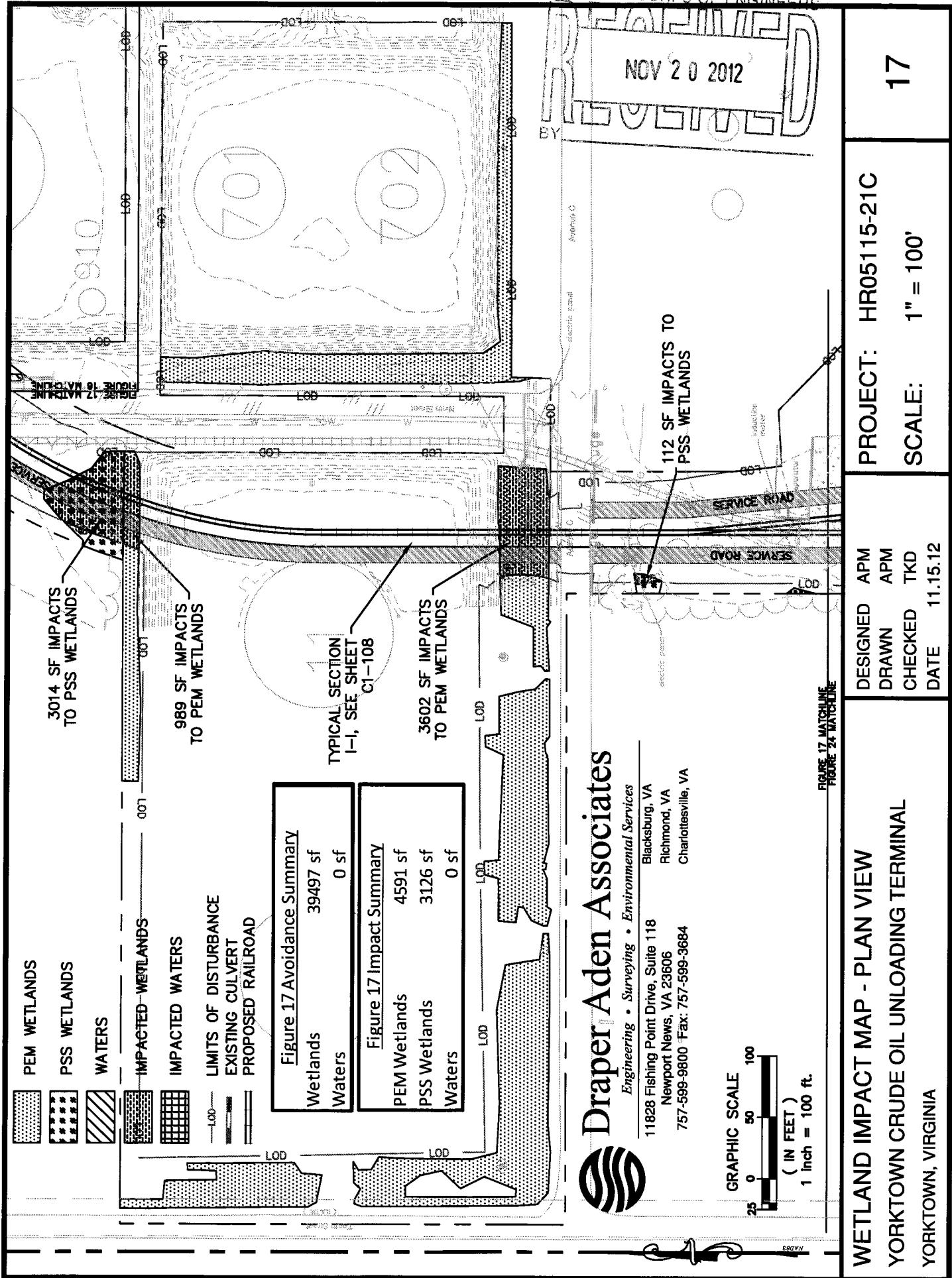
Figure 16 Impact Summary

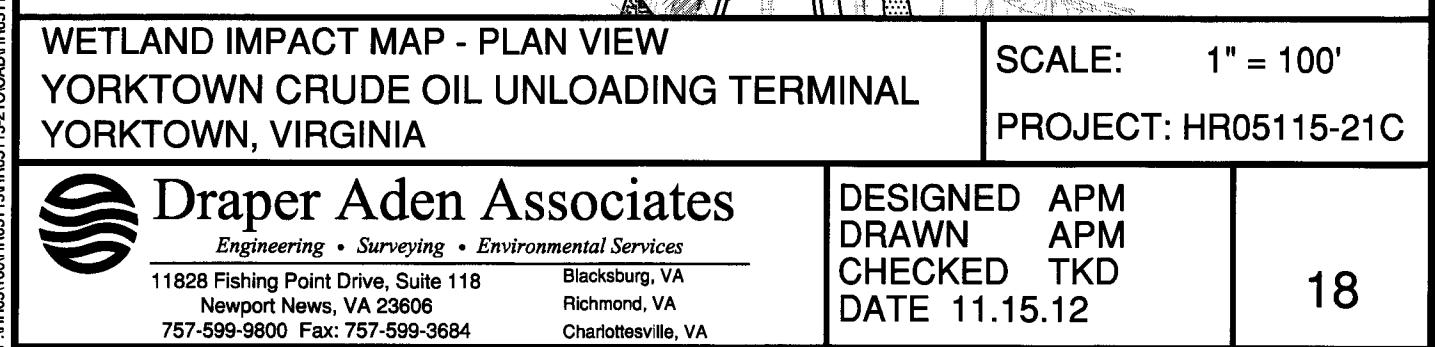
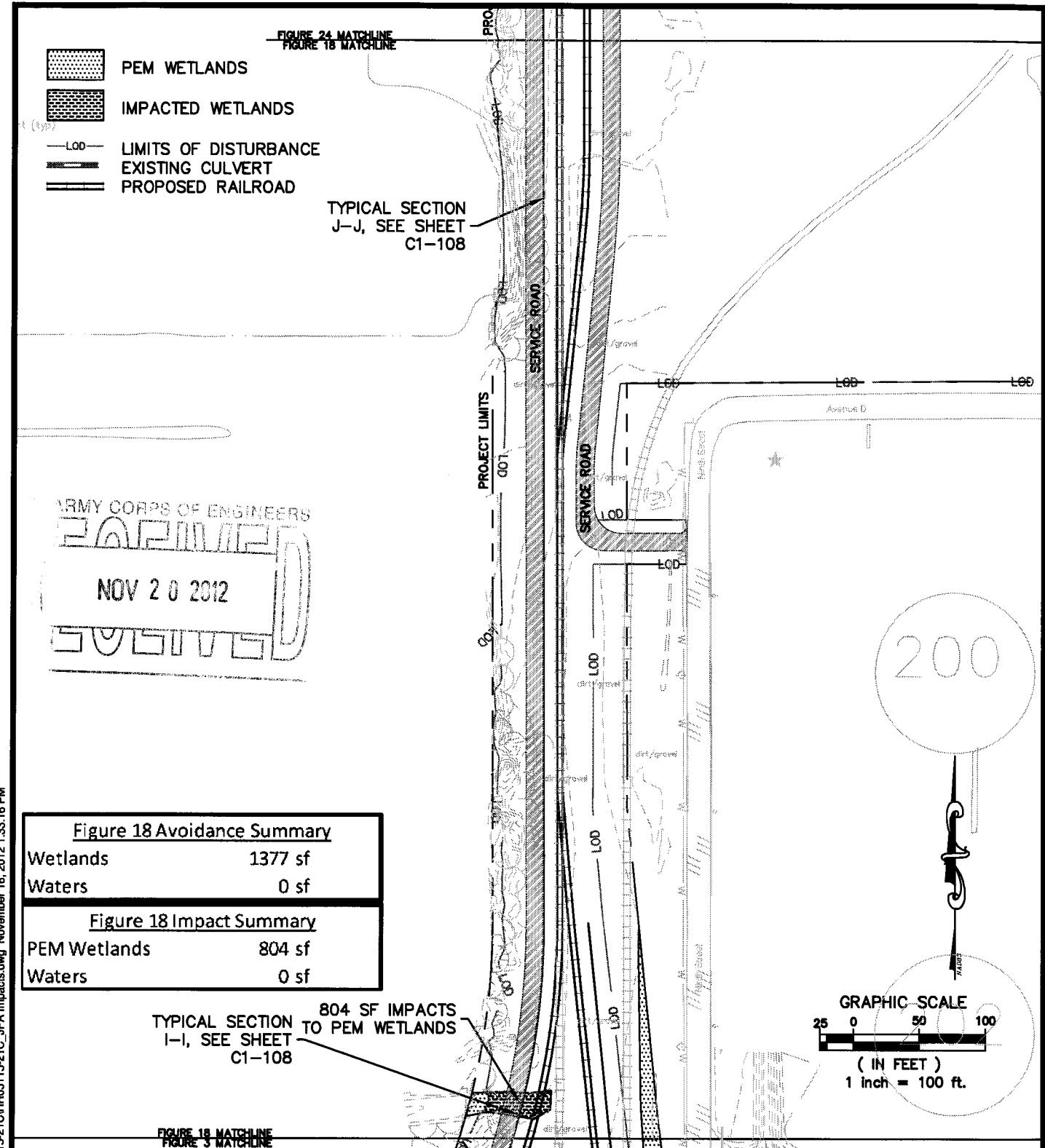
WETLAND IMPACT MAP - PLAN VIEW
YORKTOWN CRUDE OIL UNLOADING TERMINAL
YORKTOWN, VIRGINIA

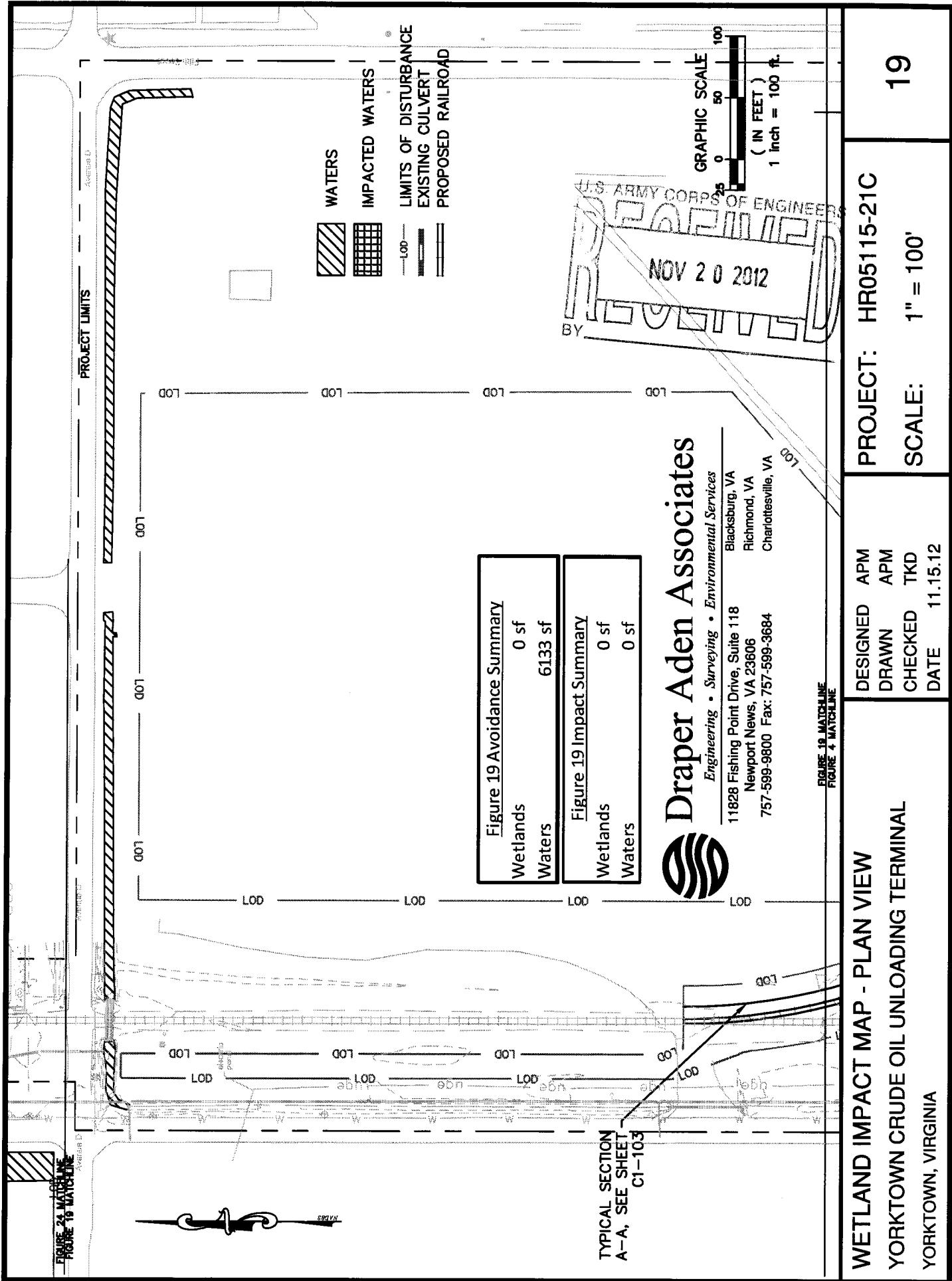
PROJECT: HR05115-21C

SCALE: 1" = 100'

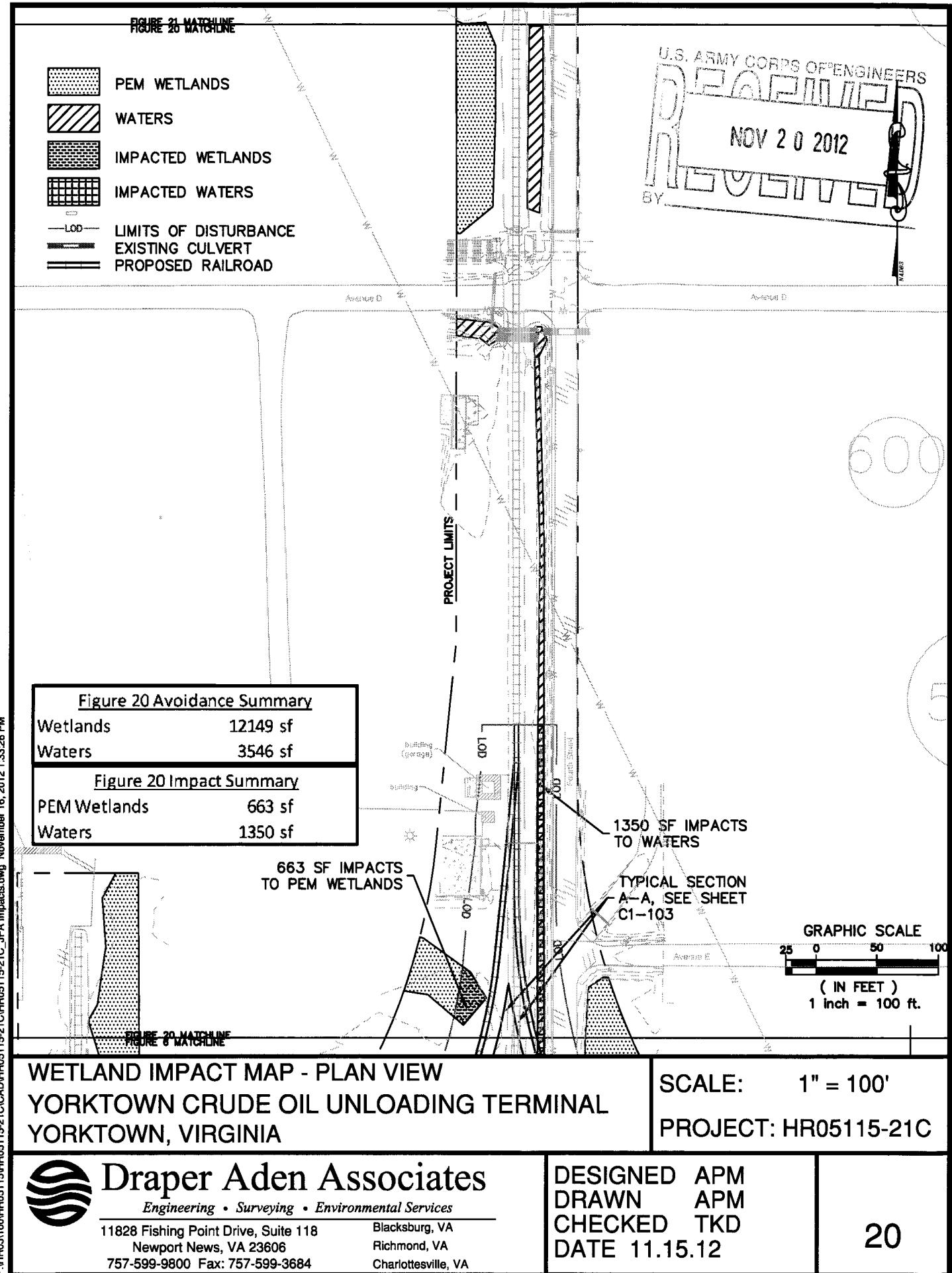
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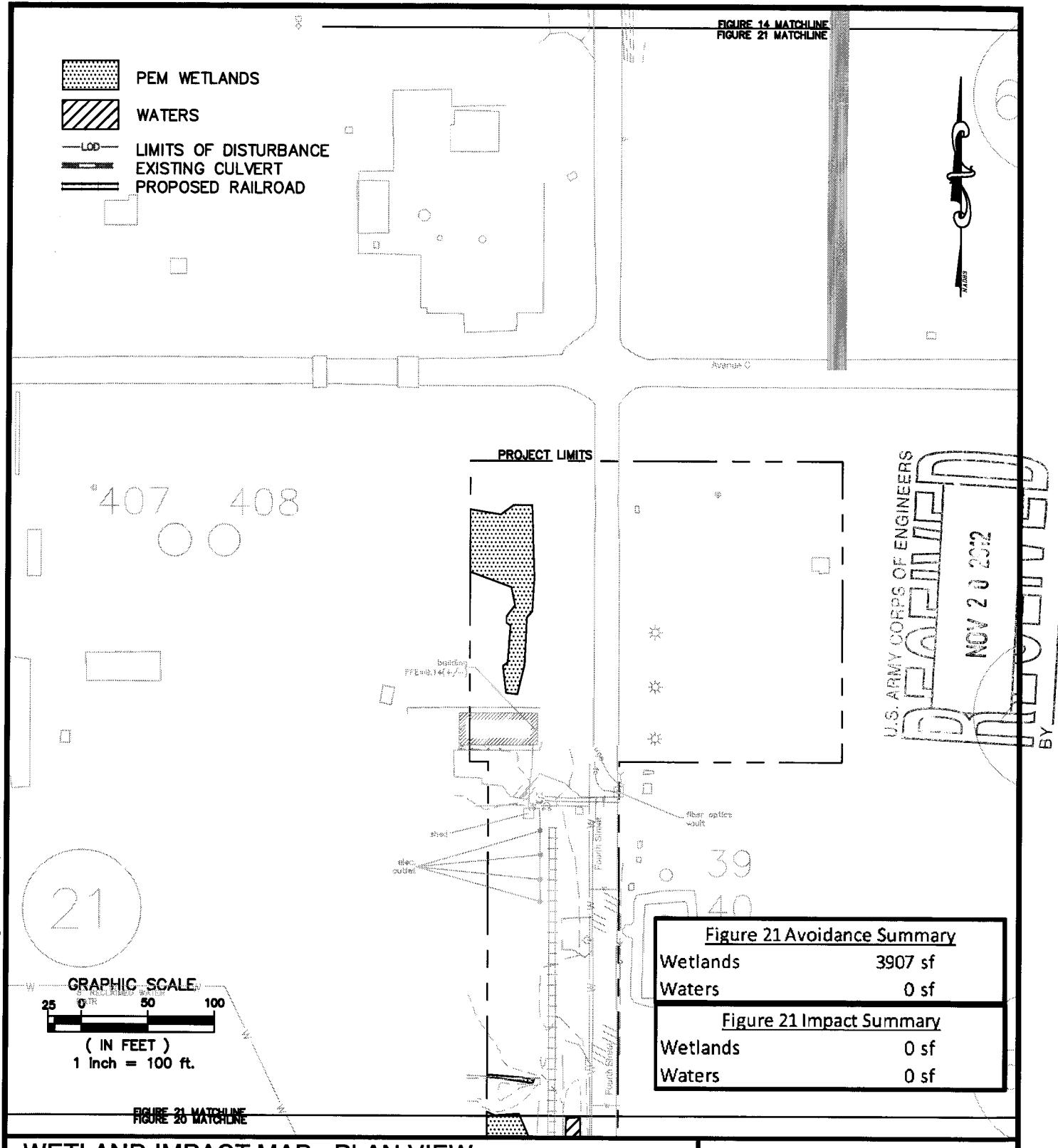






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WETLAND IMPACT MAP - PLAN VIEW
YORKTOWN CRUDE OIL UNLOADING TERMINAL
YORKTOWN, VIRGINIA

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DESIGNED APM
DRAWN APM
CHECKED TKD
DATE 11.15.12

21

FIGURE 22 IMPACT

WATERS
IMPACTED WATERS
—L00—
LIMITS OF DISTURBANCE
EXISTING CULVERT
PROPOSED RAILROAD

PROJECT LIMITS

NAD83

26

CAUSTIC SUPPLY TANKS

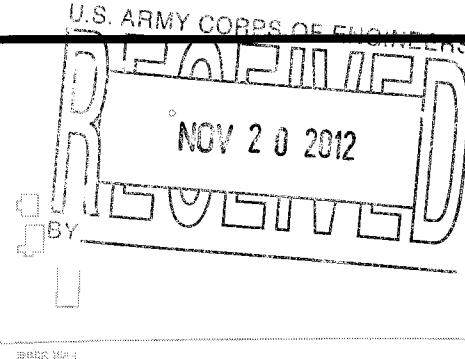
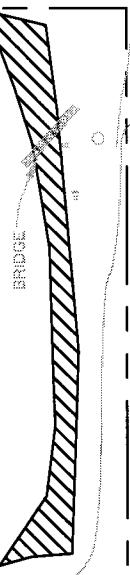


Figure 22 Avoidance Summary

Wetlands 0 sf
Waters 16104 sf

Figure 22 Impact Summary

Wetlands 0 sf
Waters 0 sf

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757-599-9800 Fax: 757-599-3684 Charlottesville, VA

GRAPHIC SCALE
(IN FEET)
1 inch = 100 ft.

WETLAND IMPACT MAP - PLAN VIEW
YORKTOWN CRUDE OIL UNLOADING TERMINAL
YORKTOWN, VIRGINIA

PROJECT: HR05115-21C
SCALE: 1" = 100'
DATE: 11.15.12

J.S. ARMY CORPS OF ENGINEERS

NOV 20 2012

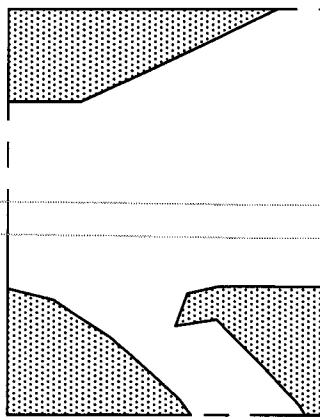
PEM WETLANDS

PSS WETLANDS

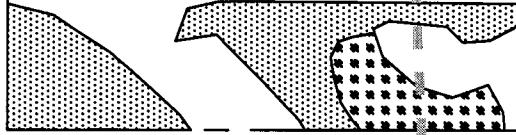
WATERS

LIMITS OF DISTURBANCE
EXISTING CULVERT
PROPOSED RAILROAD

GRAPHIC SCALE
(IN FEET)
1 Inch = 100 ft.



001



PROJECT LIMITS

001

001

001

001

001

Figure 23 Avoidance Summary

20266 sf

1254 sf

Wetlands

Waters

0 sf

0 sf

Figure 23 Impact Summary

Wetlands

Waters

0 sf

0 sf

Draper Aden Associates

Engineering • Surveying • Environmental Services

11828 Fishing Point Drive, Suite 118
Newport News, VA 23606
757-599-9800 Fax: 757-599-3684
Blacksburg, VA
Richmond, VA
Charlottesville, VA



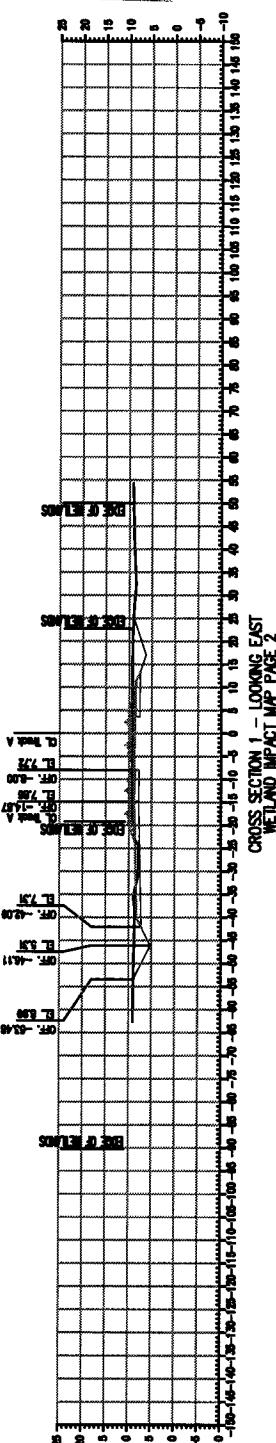
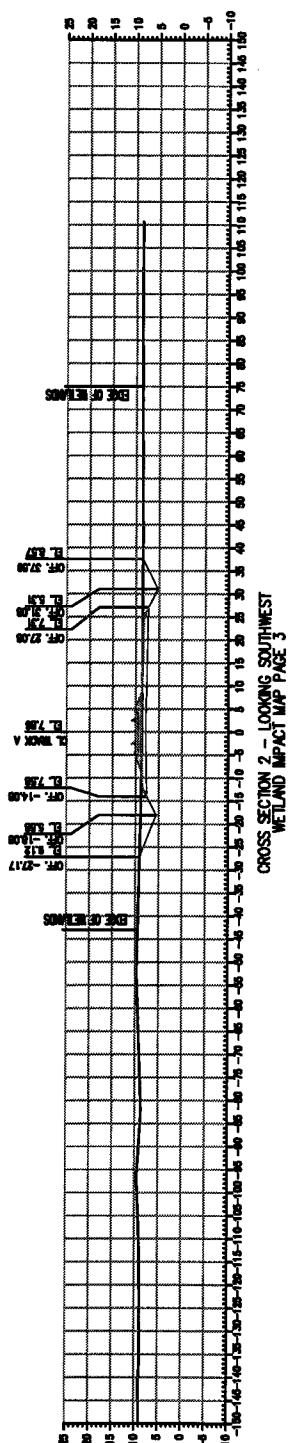
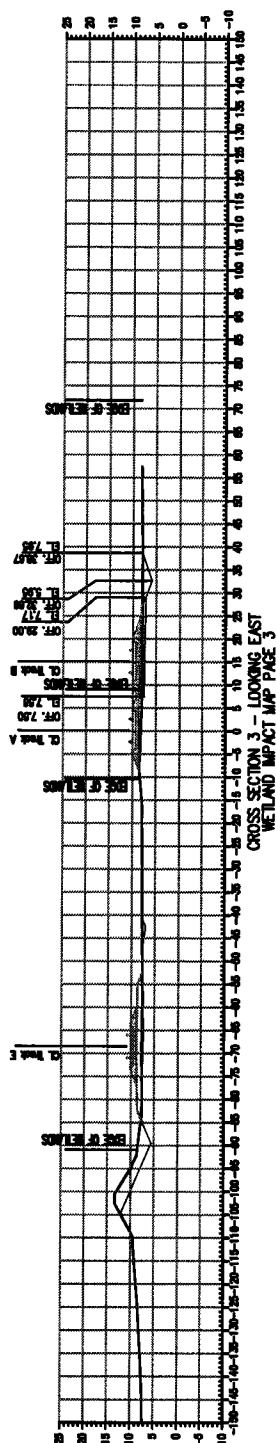
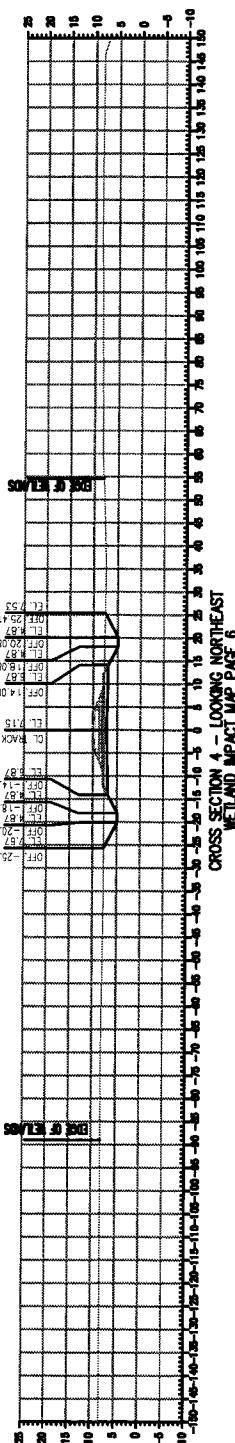
WETLAND IMPACT MAP - PLAN VIEW
YORKTOWN CRUDE OIL UNLOADING TERMINAL
YORKTOWN, VIRGINIA

PROJECT: HR05115-21C

SCALE: 1" = 100'

23

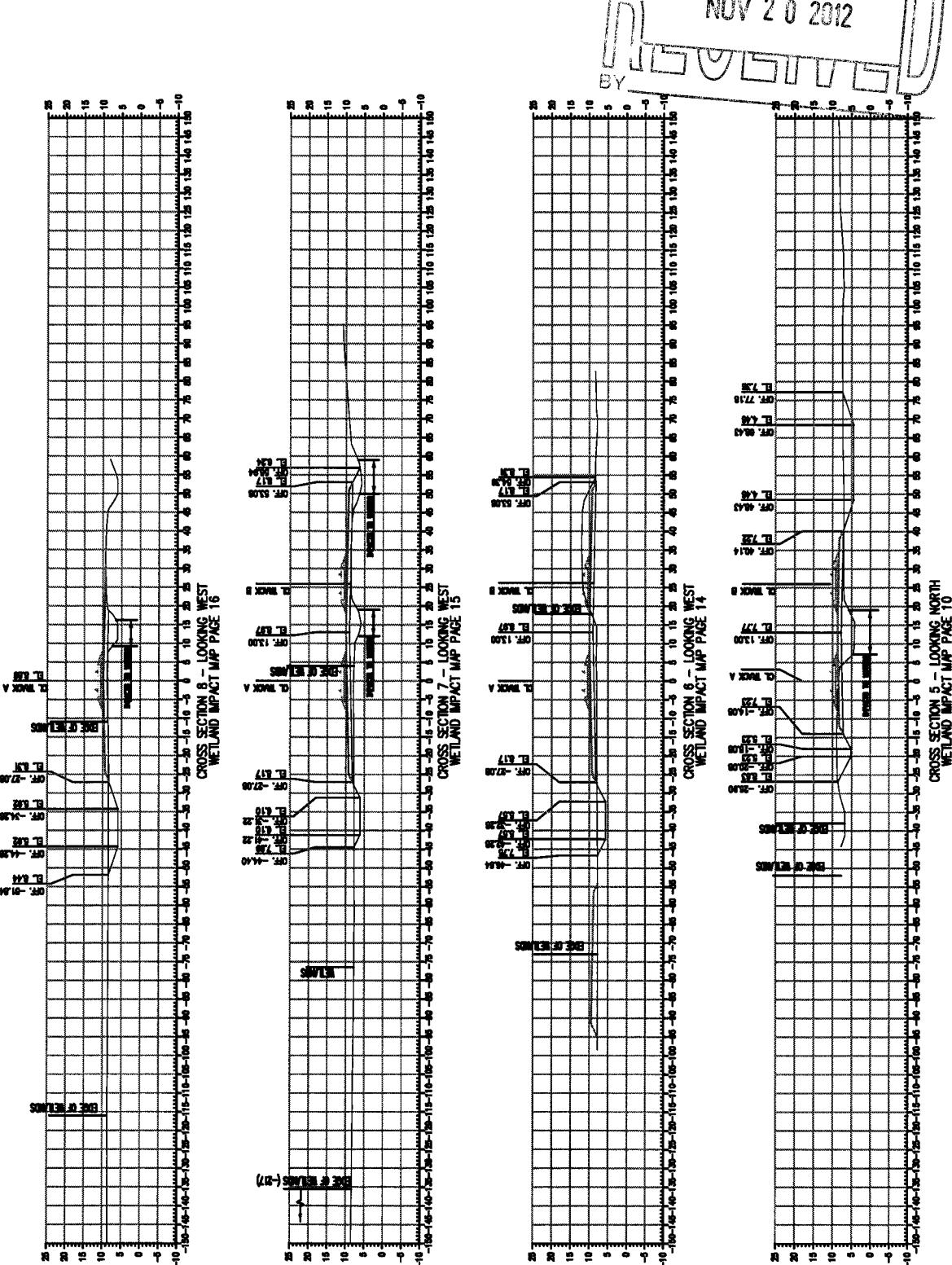
~~CONFIDENTIAL~~
NOV 20 2012
BY



RAIL CROSS SECTIONS
YORKTOWN CRUDE OIL UNLOADING TERMINAL
YORKTOWN, VIRGINIA

PROJECT: HR05115-21C	SCALE: 1" = 50'
DESIGNED APM	DRAWN APM
CHECKED TKD	DATE 11.15.12

X1



RAIL CROSS SECTIONS
YORKTOWN CRUDE OIL UNLOADING TERMINAL
YORKTOWN, VIRGINIA

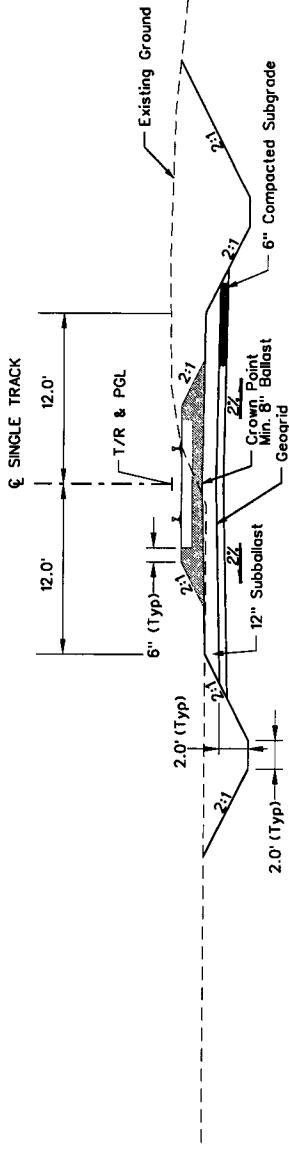
DESIGNED DRAWN	APM APM	PROJECT: HR05115-21C
CHECKED	TKD	SCALE: 1" = 50'
DATE	11.15.12	

X2

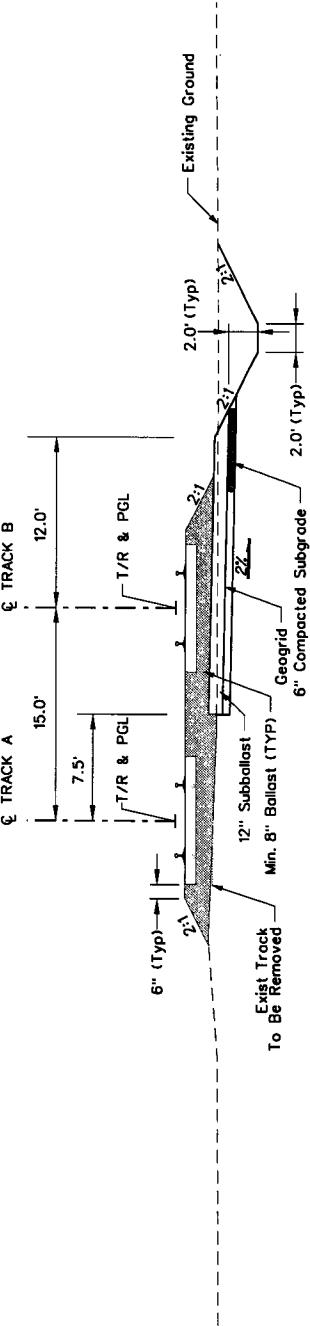
CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS

1300-200-100-1

TRACK MATERIALS
 RAIL: 136 LB RE CWR
 TIES: 7" x 9" x 8'-6" TIMBER
 DALLAST: AREMA 4A
 SUBBALLAST: VDOT DENSE
 GEOGRID: TENSAR TX-5
 AGGREGATE No. 21A



A-A TYPICAL SECTION



B-B TYPICAL SECTION

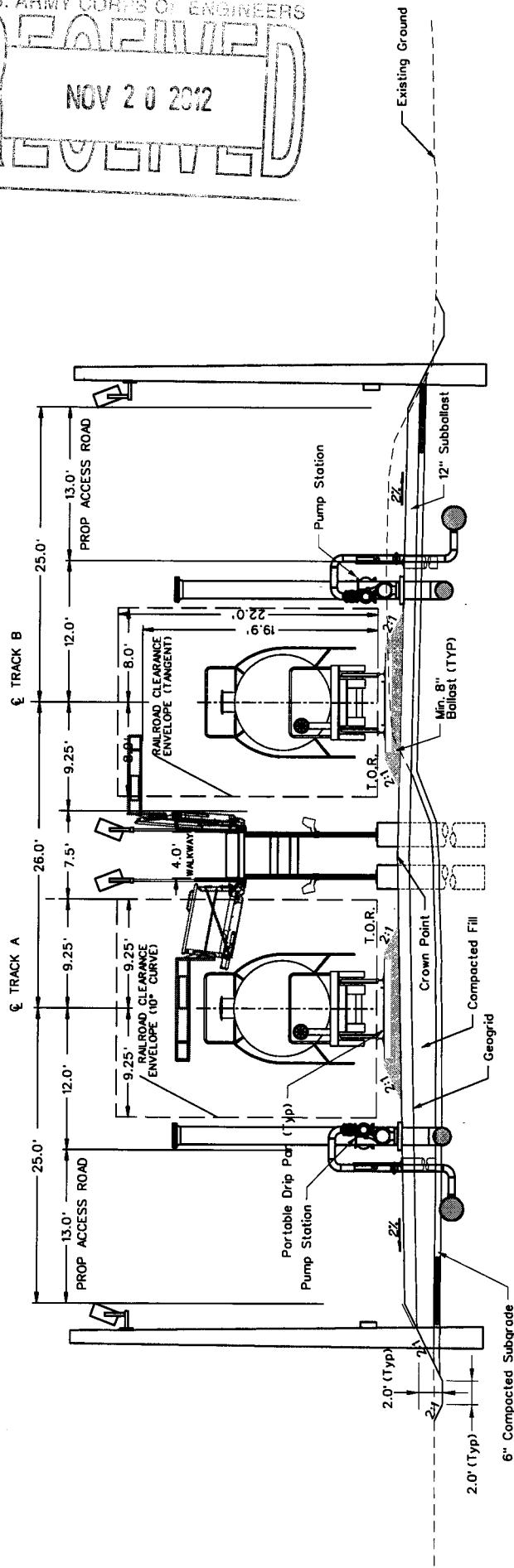
6 **MISS UTILITY
1-800-552-7001** **CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS**

CONTRACTOR SHALL VERIFY ALL DIMENSIONS

TRACK MATERIALS
RAIL: 136 LB RE CWR
TIES: 7' x 9" x 8'-6" TIMBER
BALLAST: AREMA 4A
SUBBALLAST: VDOT DENSE GRADE
GEORGIA-TENSAI TX-5
AGGREGATE No. 21A

TRACK MATERIALS

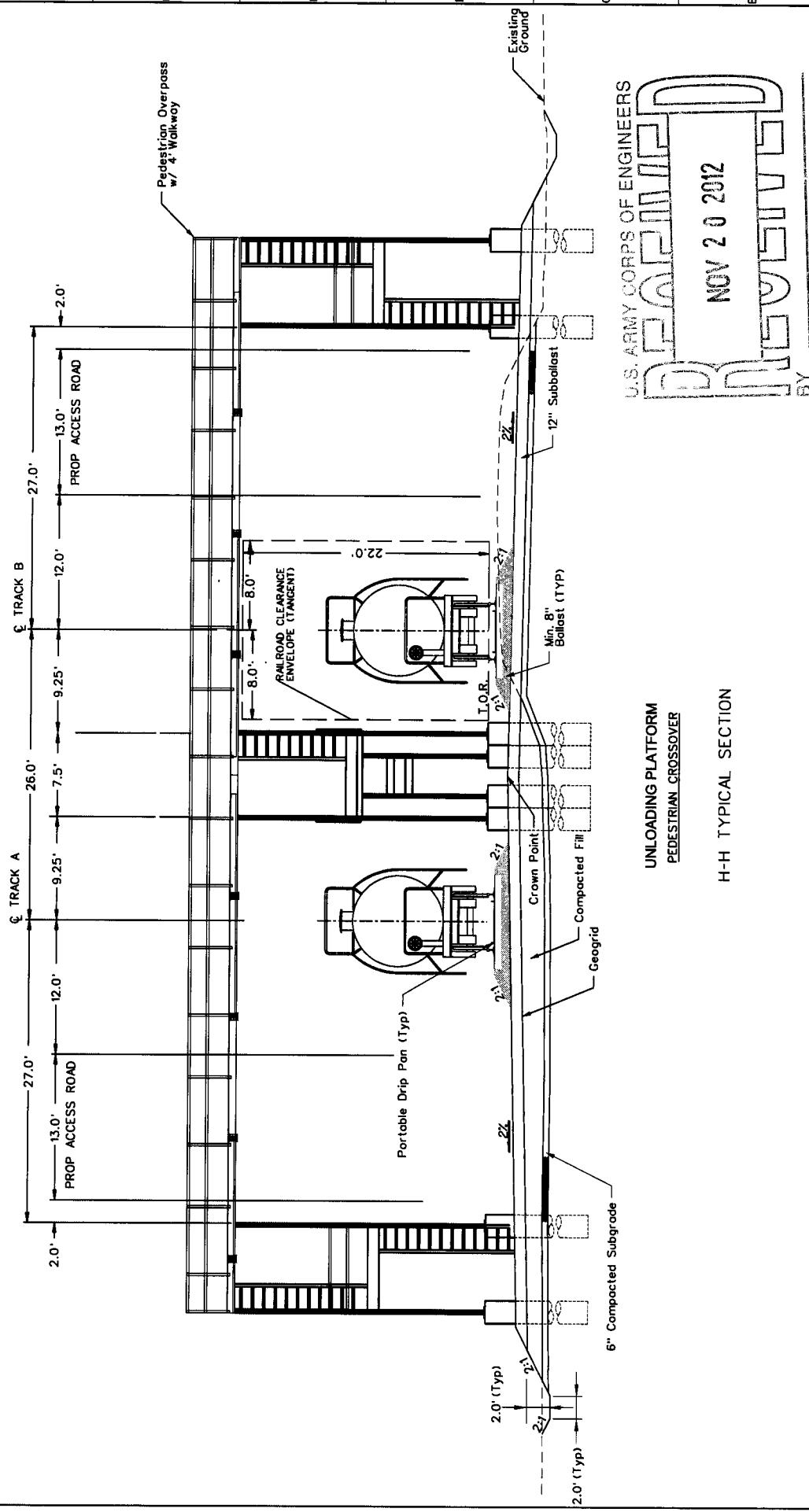
RAIL: 136 LB RE CWR
TIES: 7"x 9"x 8'-6" TIMBER
BALLAST: AREMA 4A
SUBBALLAST: VDOT DENSE
GEOGRID: TENSAR TX-5



F-F TYPICAL SECTION

TRACK MATERIALS

RAIL: 136' 6" LB RE CWR
TIES: 7" x 9" x 8"-6" TIMBER
BALLAST: AREMA 4A
SUBBALLAST: VDOT DENSE
GEOGRID: TENSAR TX-5
AGGREGATE No. 21A



APPROVALS - (SIGNATURE - TITLE)	DATE
ISSUED FOR BID NOT FOR CONSTRUCTION	
\$10KNSP03	

TYPICAL SECTIONS

TYPICAL SECTIONS

WILSON
COMPANY

13105 NM FRENCH, SUITE 710
HOUSTON, TX 77040
PHONE: 713-844-0770

YORKTOWN, VIRGINIA
CRUDE OIL
UNLOADING TERMINAL

PLAINS
MARKETING, L.P.


YORKTOWN, VIRGINIA
CRUDE OIL
UNLOADING TERMINAL

1

No.	
SEARCHED	BY
SERIALIZED	BY
INDEXED	BY

TYPICAL SEC

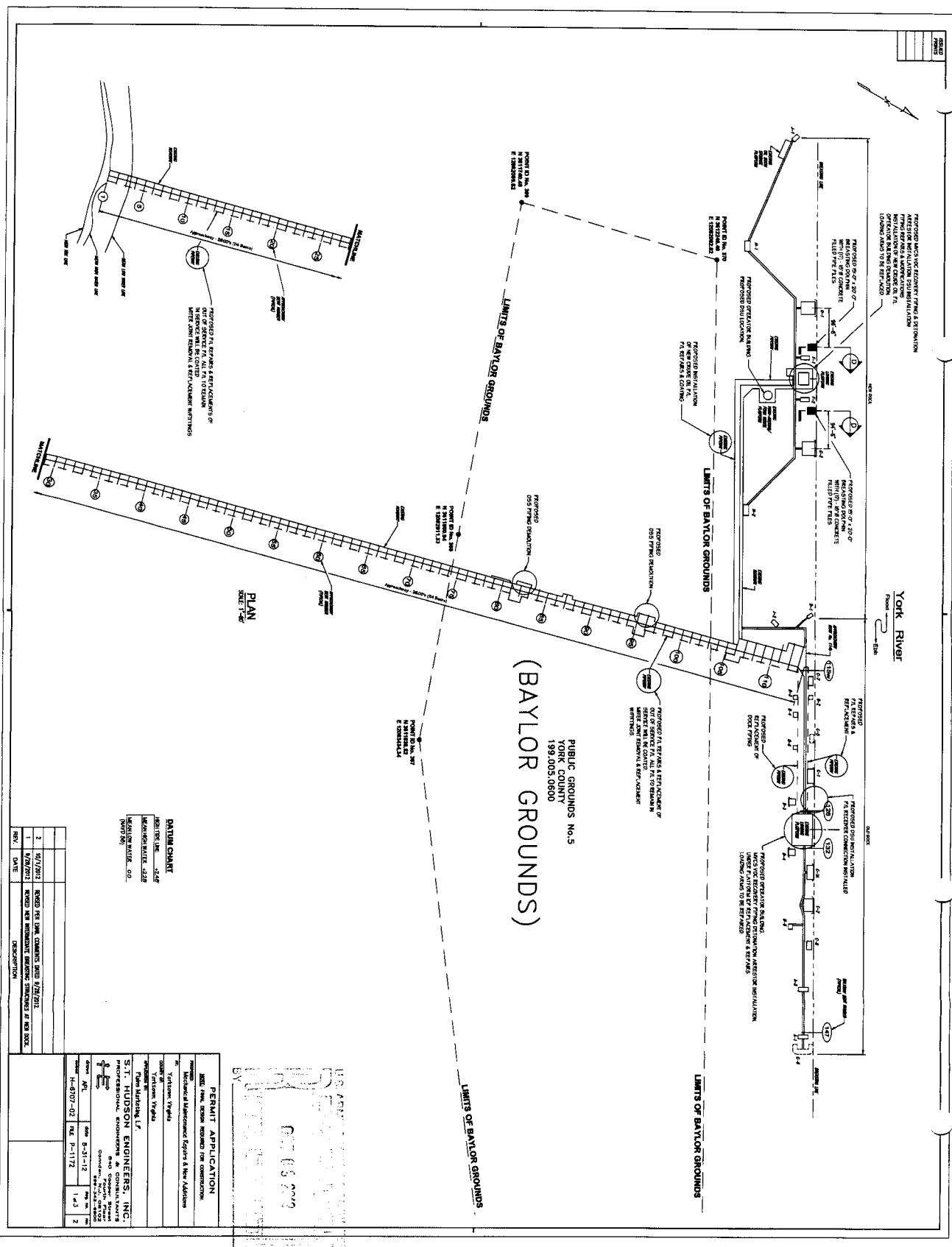
WILSON & COMPANY

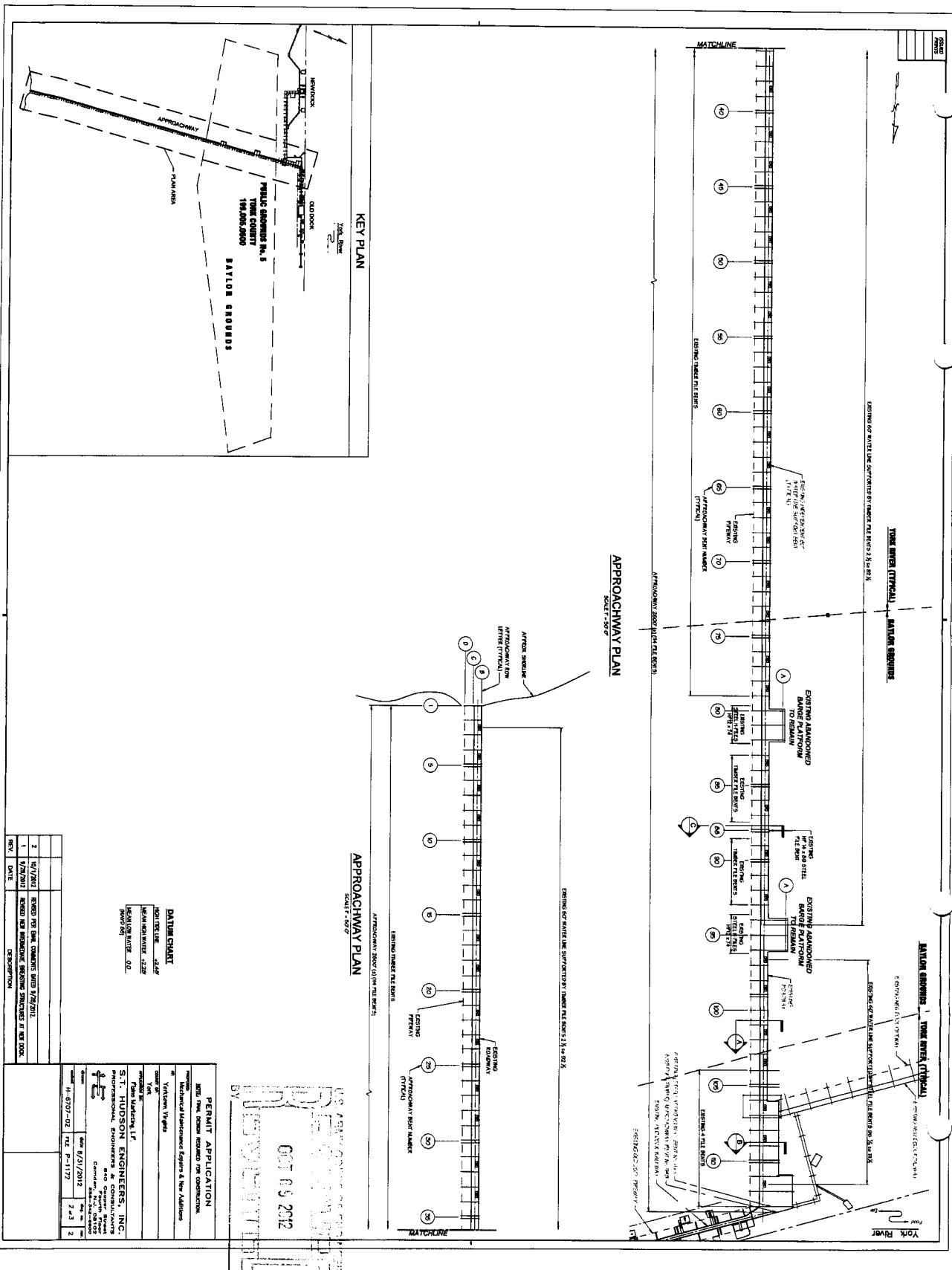
13105 NW FREEWAY, HOUSTON, TEXAS 77065
PHONE: 713-864-7070

DATE
VALS - (SIGNATURE - TITLE)
**SUED FOR BID
OR CONSTRUCTION**

APPRO
IS
NOT F

PATH: M:\RIR\11-400-1145-00\2.0\Project\Disciplines\Rail-Design\Drawings\Sheets\Bergenard\JB-C1-107.dwg
PRINTED: 8/29/2012 TIME: 9:10:39 AM BY: Jimelimer



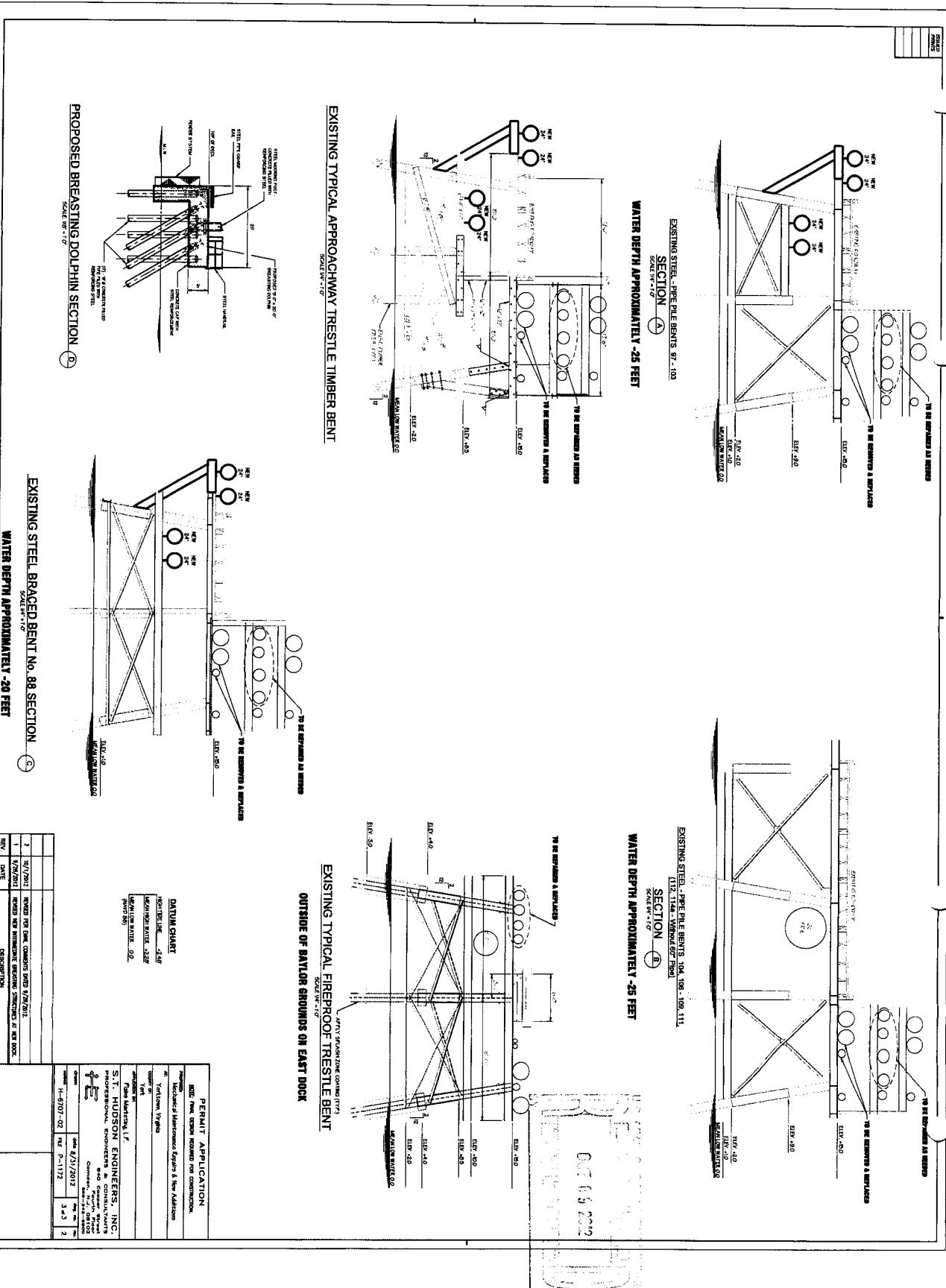


REF.	DATE	DESCRIPTION	INFORMATION
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1	NOV 1 1970	REMOVED FROM BANK COMMENCEMENT DATED NOV 1 1970	

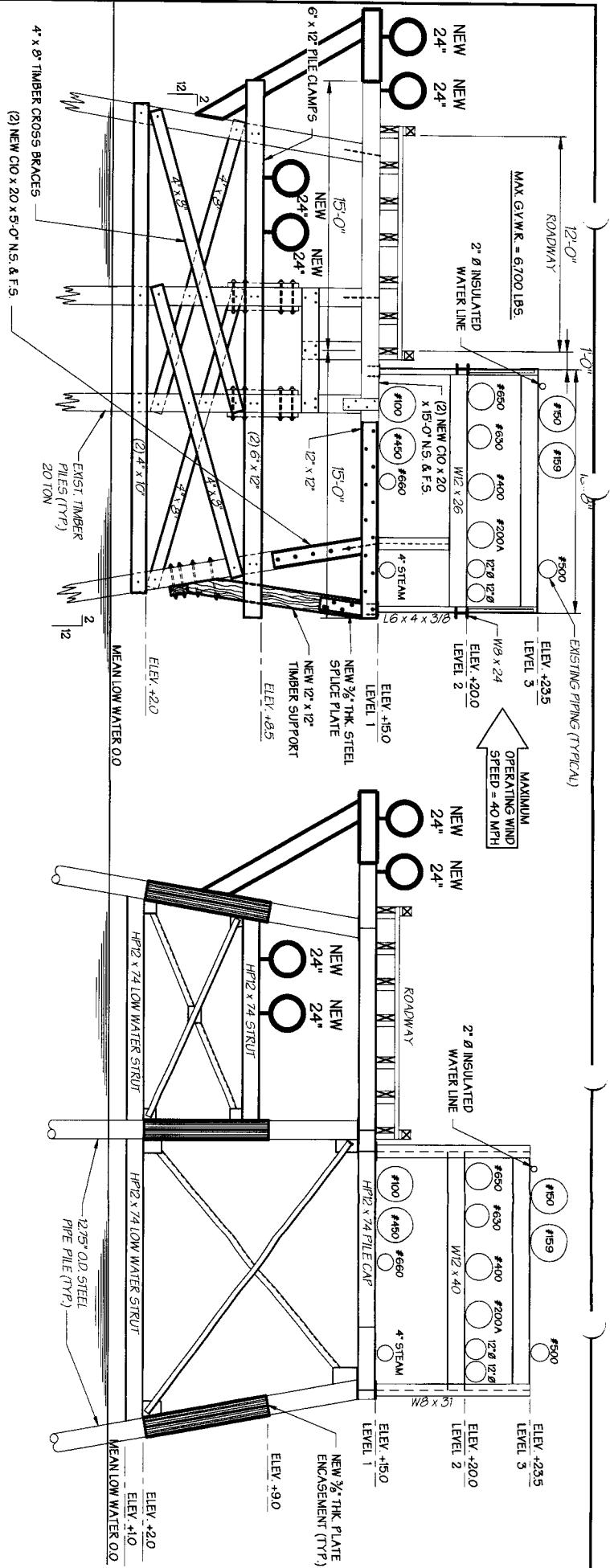
DATUM CHART

PERMIT APPLICATION
NOTE: FINAL DESIGN REQUIRED FOR CONSTRUCTION.
PREPARED:
Mechanical Maintenance Repairs & New Additions

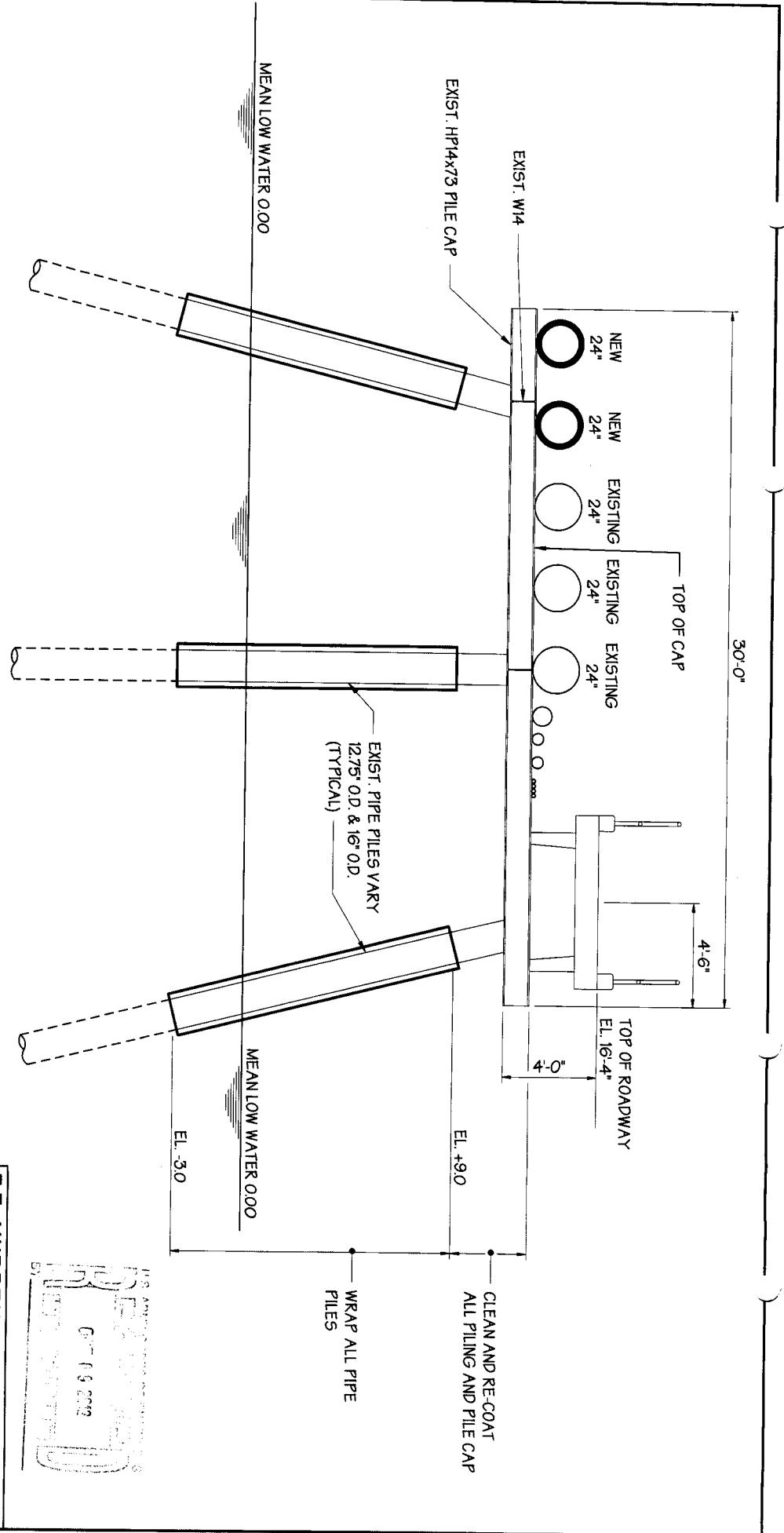
GET \$200



DATUM CHART	
1600' DEE. LSR.	-2.49'
MAIN BLDG. ELEV.	+2.28'
PROT. DOCK	.00
PROT. DOCK	.00
PERMIT: FISH, ETC. REQUEST FOR CONSTRUCTION	
Permit: Merchant Mariner's Register & New Additions	
To: Yorktown, Virginia	
From: Vert	
Date: May 20, 2012	
Permit Number: 100-1172	
S.T. HUDSON ENGINEERS, INC.	
PROFESSIONAL ENGINEERS & CONSULTANTS	
100-1172	
Address:	Date: 5/20/2012
City:	Permit No.: 100-1172
State:	Expiry Date:
Zip:	Permit Type:
Comments: None	
Phone:	Comments: None
Facsimile:	Comments: None
Description:	
REV:	DATE:
NEW:	DATE:



S.T. HUDSON ENGINEERS, INC. PROFESSIONAL ENGINEERS & CONSULTANTS 840 Copper Street Fourth Floor Columbus, Ohio Fax No. 614-342-8323	
PLAINS ALL AMERICAN PIPELINE, L.P. YORKTOWN TERMINAL 2201 GOODWIN NECK ROAD, YORKTOWN, VA 23692	
drawn checked driftg. approval	date 8/17/2012 FILE P-2116
12-6650 • P2116.dwg	



WEST DOCK - TYPICAL PIPEWAY SECTION

SCALE: 1/4" = 1'-0"

S.T. HUDSON ENGINEERS, INC.
PROFESSIONAL ENGINEERS & CONSULTANTS
840 Cooper Street
Fourth Floor
Cincinnati, Ohio 45202
Tel No. 522-3423
Fax No. 522-3423
Cincinnati, Ohio 45202
522-3422-5200

PLAINS ALL AMERICAN PIPELINE, L.P.
YORKTOWN TERMINAL
2201 GOODWIN NECK ROAD, YORKTOWN, VA 23692

Crown	date	checked	date	checked
Printed	10/10/2012	FILE	P-2116	10/10/2012
Printed		FILE	P-2116	
Printed		FILE	P-2116	

WEST DOCK

12-6850 • P2116.dwg

TYPICAL PIPEWAY SECTION

8

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