

**NOTE:**

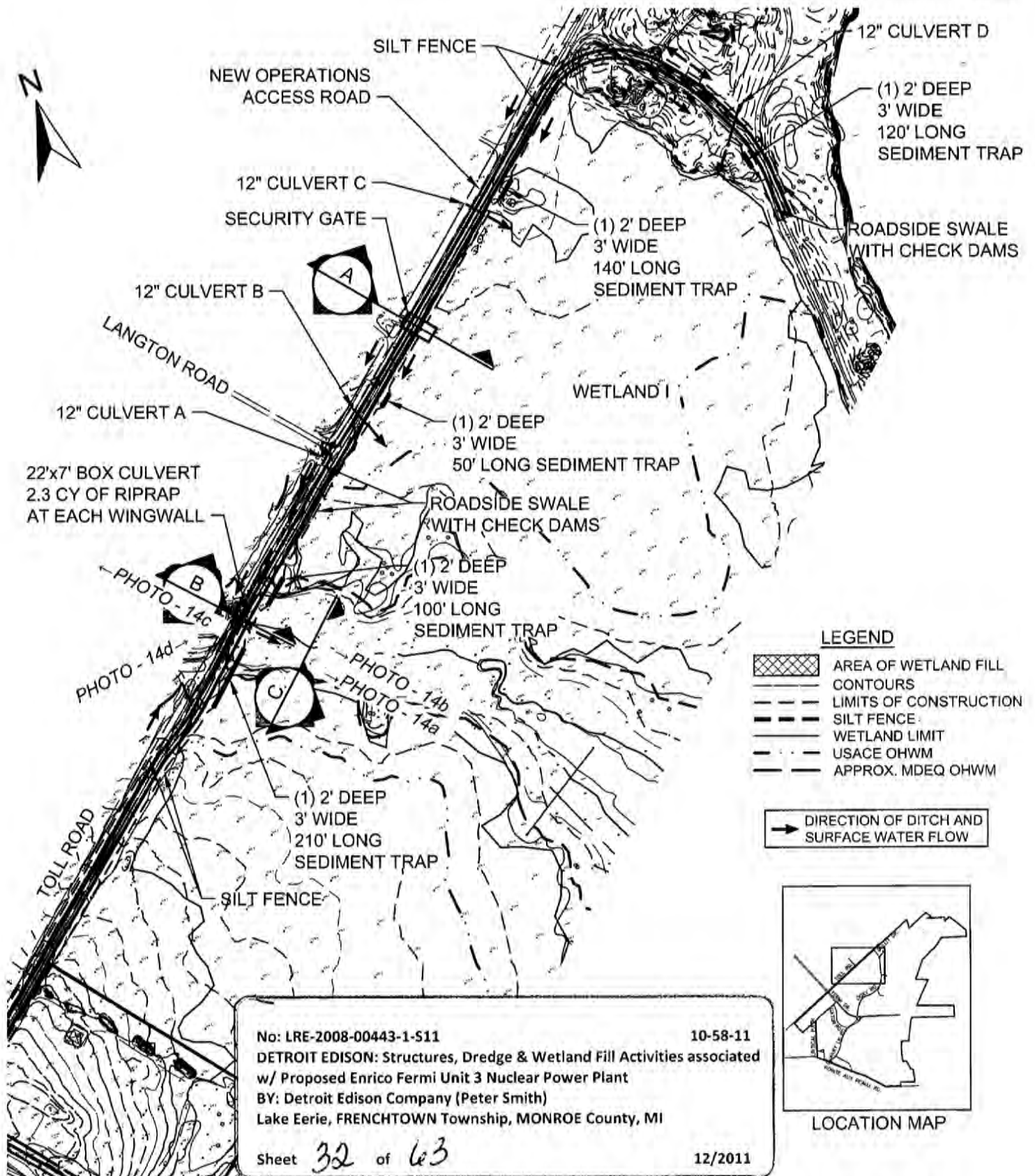
1. SPOILS FROM EXCAVATION WILL BE PLACED IN CONSTRUCTION AREA 1.
2. MECHANIZED LAND CLEARING WILL OCCUR WITHIN THE CONSTRUCTION FOOTPRINT.

**WETLAND I**

AREA = 0.44 acres  
 USACE OHWM DREDGE = NA  
 USACE OHWM EXCAVATION = 37 CY  
 WETLAND EXCAVATION = 37 CY  
 WETLAND FILL = 603 CY

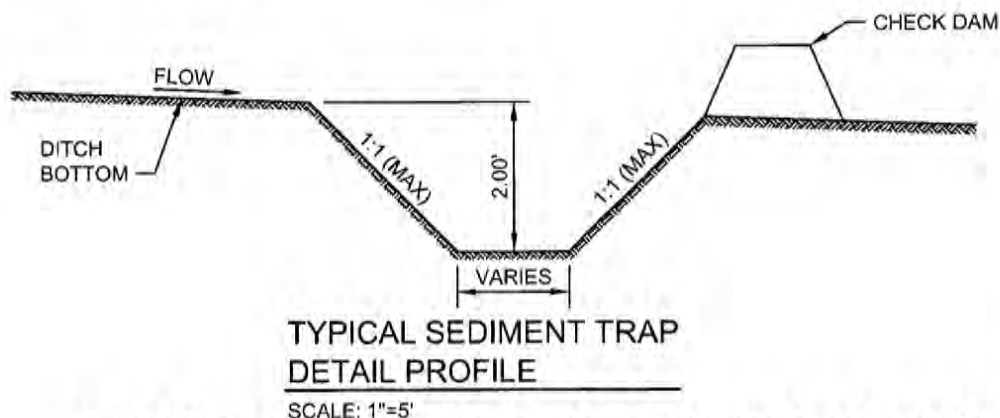
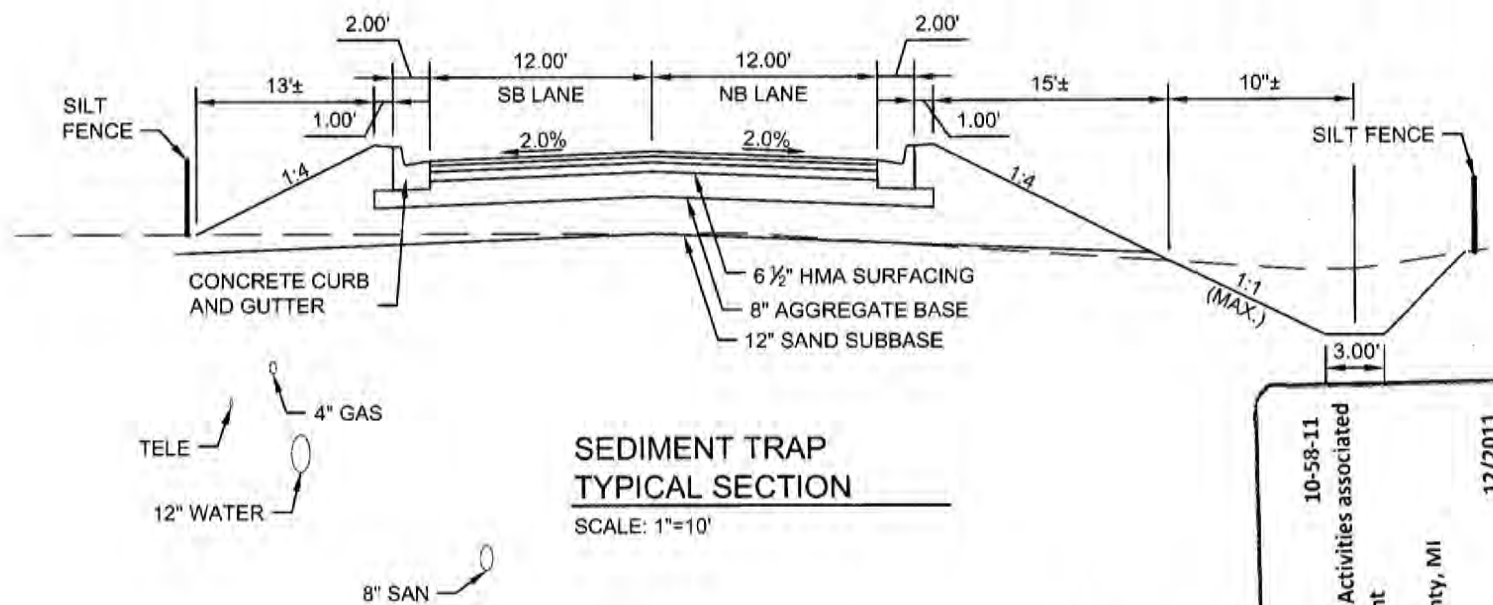
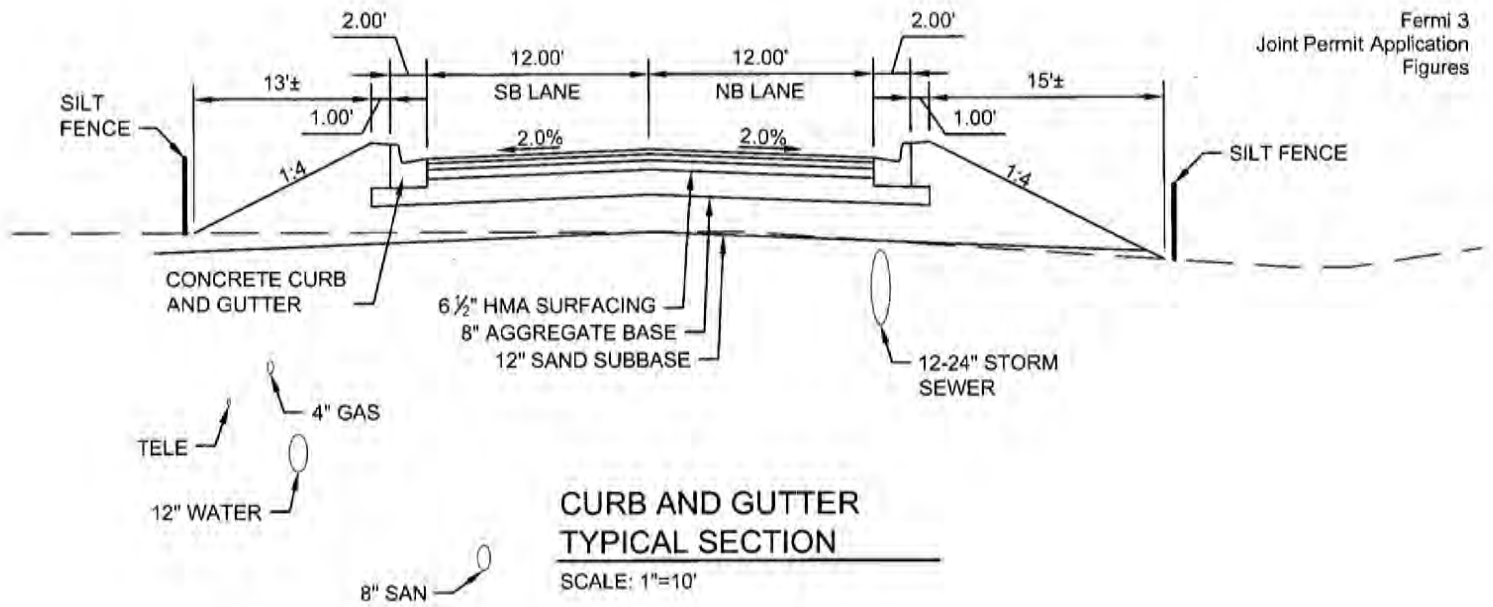
**FIGURE 12-8B NEW OPERATIONS ACCESS ROAD PLAN VIEW B**

SCALE: 1"=150'



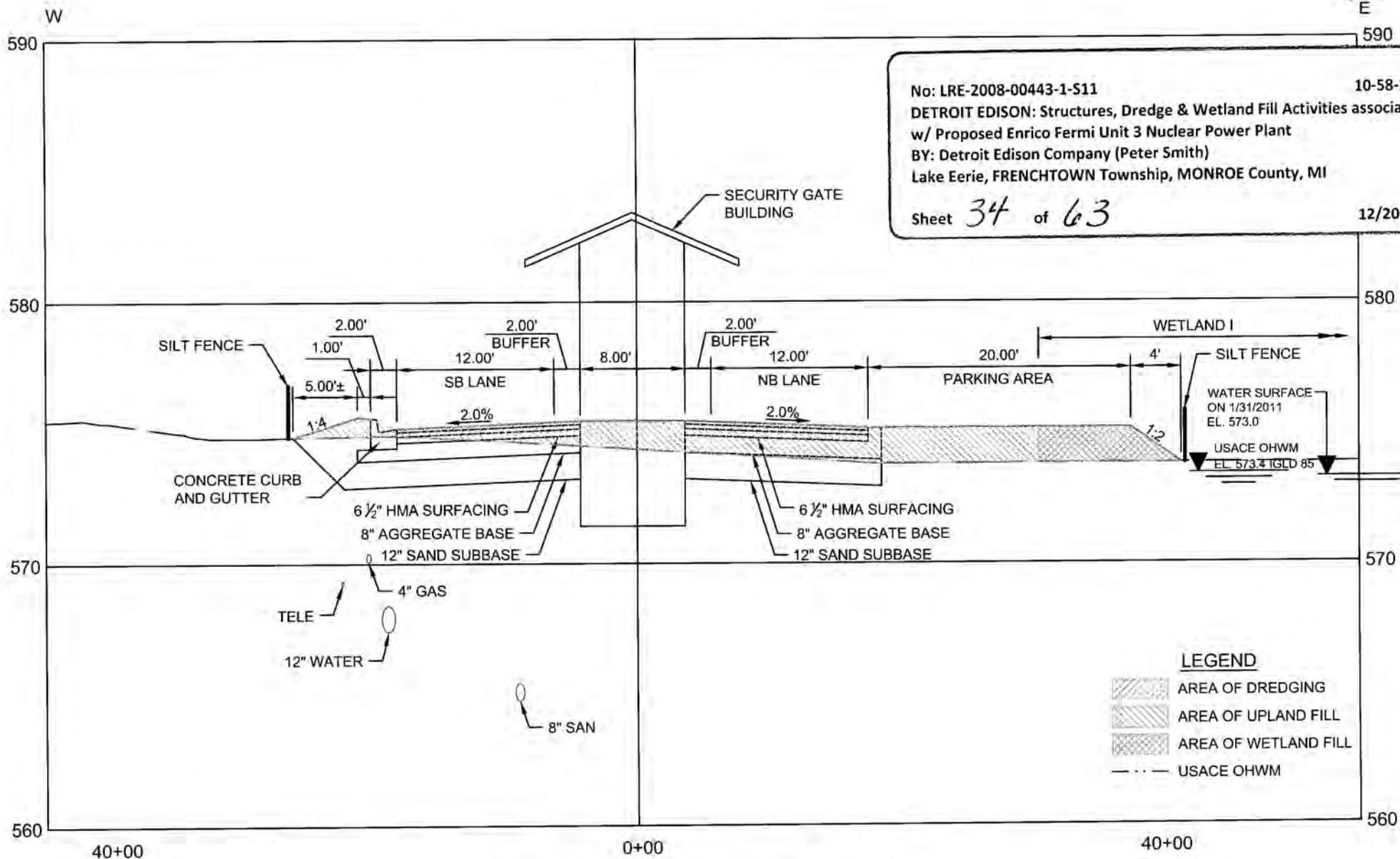
**FIGURE 14-2A NEW OPERATIONS ACCESS ROAD PLAN VIEW**

SCALE: 1"=500'



**FIGURE 14-2B NEW OPERATIONS ACCESS ROAD  
TYPICAL SECTION FOR CURB AND GUTTER  
TYPICAL SECTION AND DETAIL PROFILE SEDIMENT TRAP**

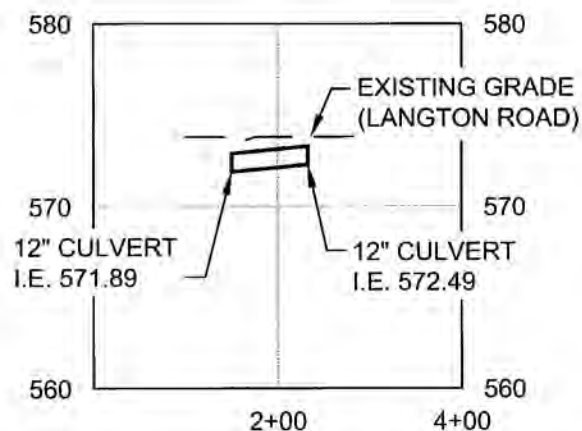
10-58-11  
No: LRE-2008-00443-1-511  
DETROIT EDISON: Structures, Dredge & Wetland Fill Activities associated  
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BY: Detroit Edison Company (Peter Smith)  
Lake Erie, FRENCHTOWN Township, MONROE County, MI  
12/2011  
Sheet 33 of 63



No: LRE-2008-00443-1-S11  
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Sheet **34** of **63**  
10-58-11  
12/2011

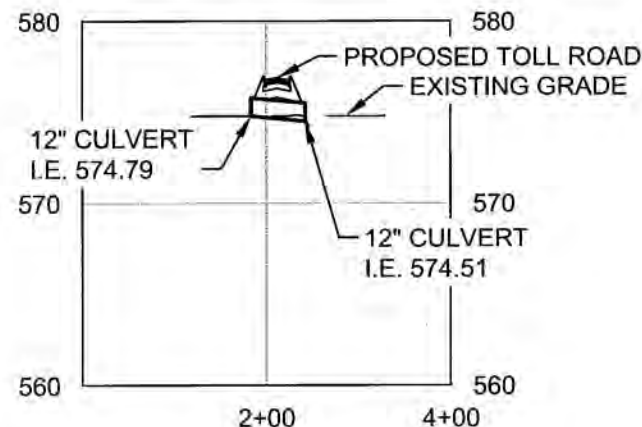
**A SECURITY GATE SECTION**  
SCALE: 1"=10' HORZ.; 1"=5' VERT. (IGLD 85 DATUM)

**FIGURE 14-2C NEW OPERATIONS ACCESS ROAD SECURITY GATE SECTION 'A' DETAILS**



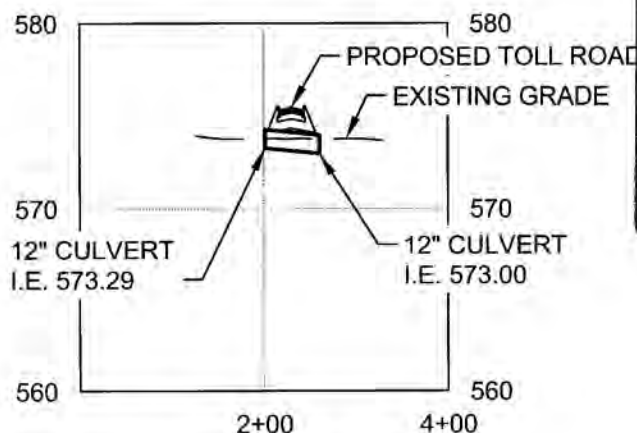
### PROFILE OF PROPOSED CULVERT A (LOOKING NORTHWEST)

SCALE: 1"=200' HORZ.; 1"=20' VERT. (IGLD 85 DATUM)



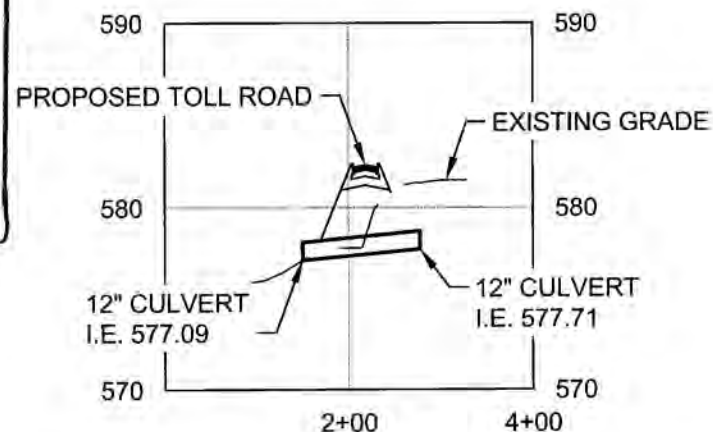
### PROFILE OF PROPOSED CULVERT C (LOOKING EAST)

SCALE: 1"=200' HORZ.; 1"=20' VERT. (IGLD 85 DATUM)



### PROFILE OF PROPOSED CULVERT B (LOOKING EAST)

SCALE: 1"=200' HORZ.; 1"=20' VERT. (IGLD 85 DATUM)



### PROFILE OF PROPOSED CULVERT D (LOOKING NORTHWEST)

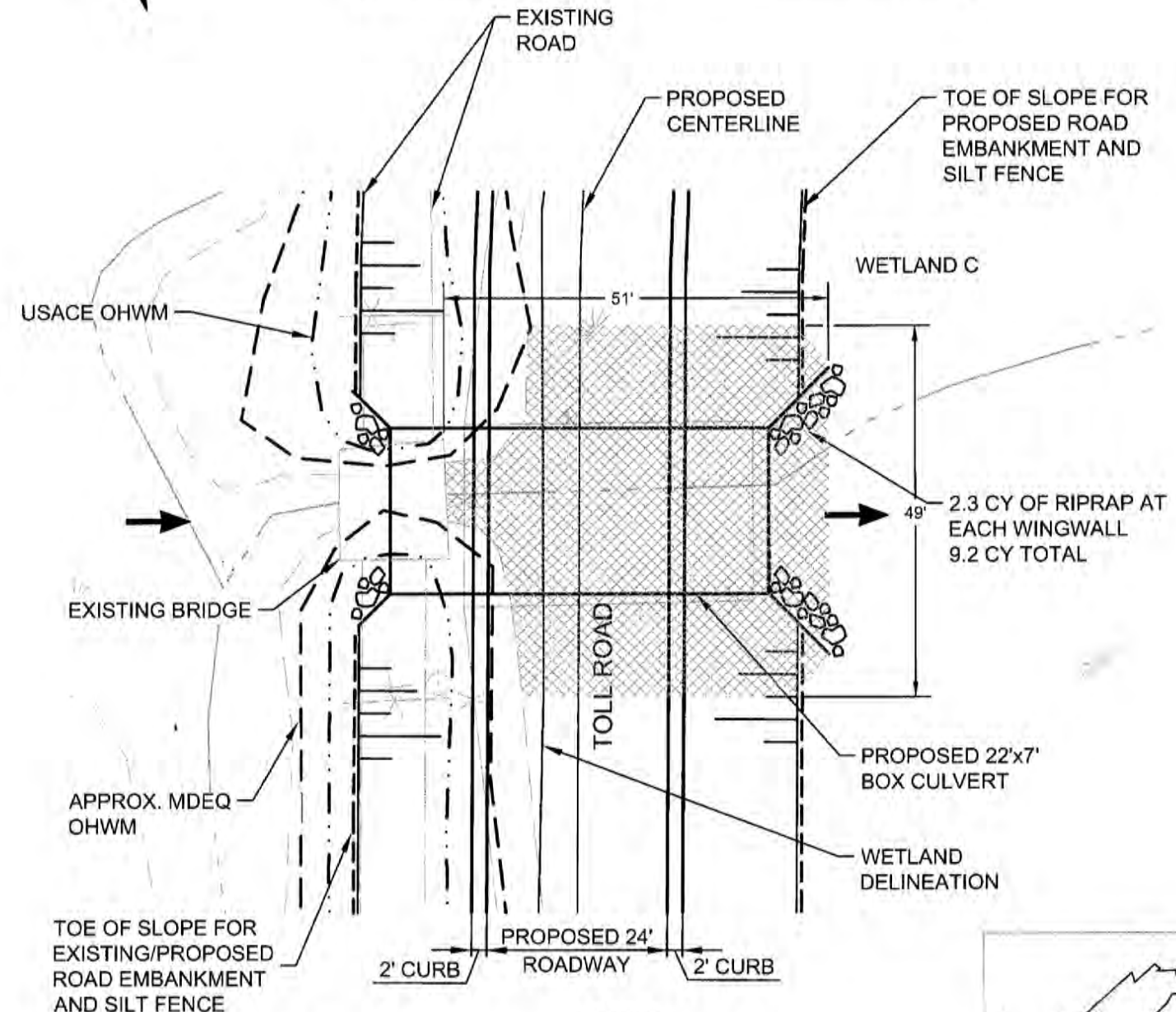
SCALE: 1"=200' HORZ.; 1"=20' VERT. (IGLD 85 DATUM)

No: LRE-2008-00443-1-511  
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Lake Erie, FRENCHTOWN Township, MONROE County, MI  
10-58-11  
12/2011

Sheet 35 of 43

FIGURE 14-2D NEW OPERATIONS ACCESS ROAD PROFILE OF PROPOSED CULVERTS A - D





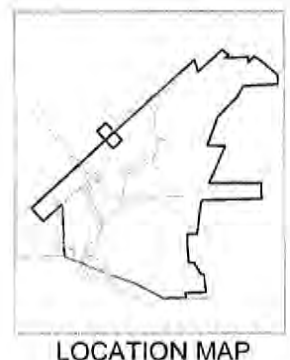
➔ DIRECTION OF DITCH AND  
 SURFACE WATER FLOW

#### LEGEND

- ▨ AREA OF WETLAND FILL
- CONTOURS
- - - SILT FENCE
- WETLAND LIMIT
- · - · - USACE OHWM
- - - APPROX. MDEQ OHWM

WETLAND C IMPACTS, BOX CULVERT  
 ONLY  
 USACE OHWM DREDGE = 400 CY  
 USACE WETLAND FILL = 580 CY  
 APPROX. MDEQ OHWM DREDGE = 340 CY  
 APPROX. MDEQ OHWM FILL = 580 CY

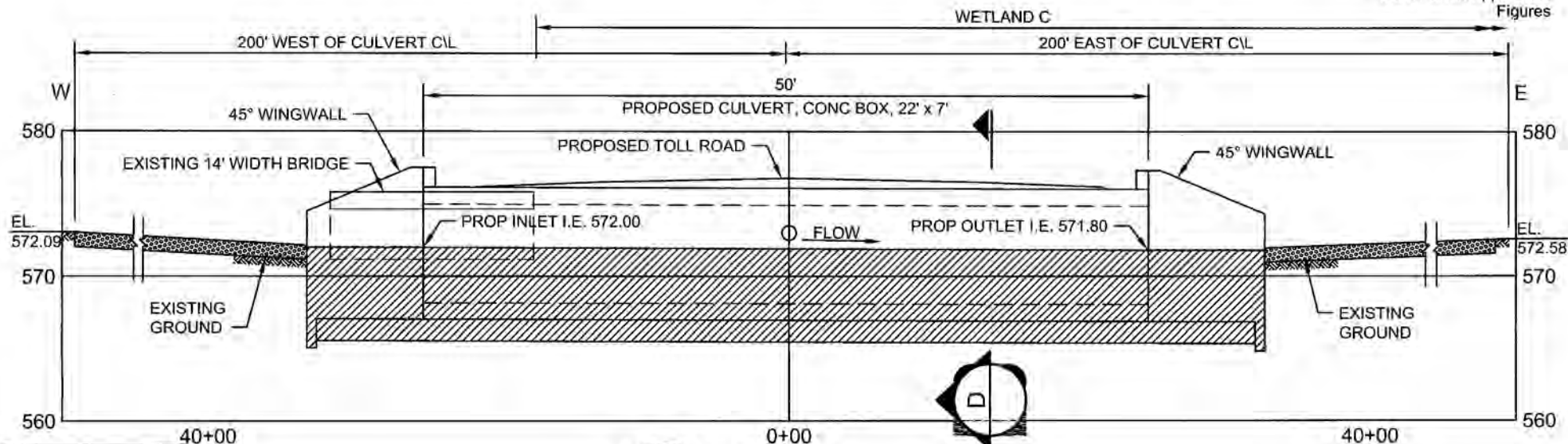
NOTE:  
 NO PROPOSED WETLAND IMPACTS  
 ALONG NORTHWESTERLY EDGE  
 OF ROAD.



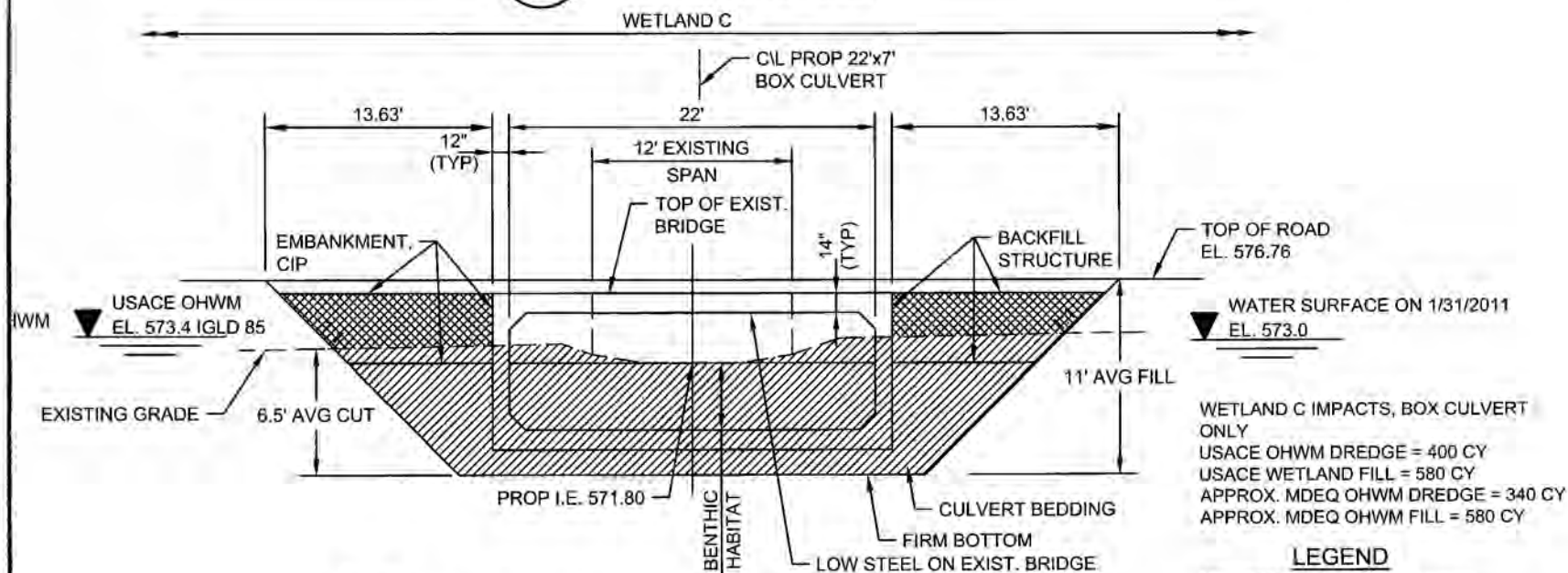
**FIGURE 14-2E**  
**NEW OPERATIONS ACCESS ROAD 22'x7' BOX CULVERT PLAN VIEW**

SCALE: 1"=20'

Revision 1



**B ELEVATION**  
SCALE: 1"=10' (IGLD 85 DATUM)



**D SECTION VIEW (LOOKING WEST)**  
SCALE: 1"=10' (IGLD 85 DATUM)

**LEGEND**

- AREA OF DREDGE
- AREA OF WETLAND FILL

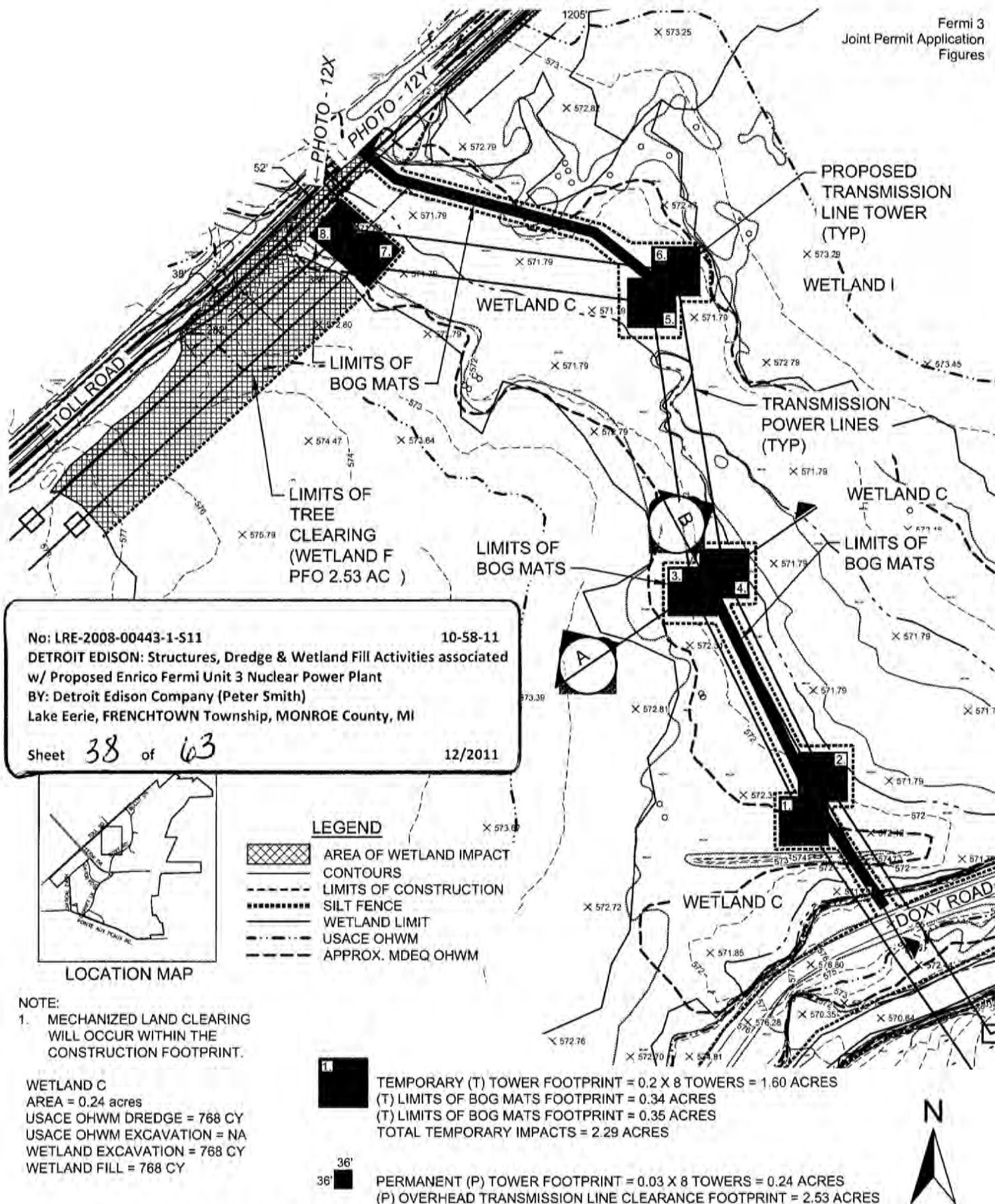
**FIGURE 14-2F NEW OPERATIONS ACCESS ROAD ELEVATION 'B' AND SECTION 'D' DETAILS**

No: LRE-2008-00443-1-S11  
DETROIT EDISON: Structures, Dredge & Wetland Fill Activities associated  
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Lake Erie, FRENCHTOWN Township, MONROE County, MI

Sheet 37 of 63

12/2011

10-58-11



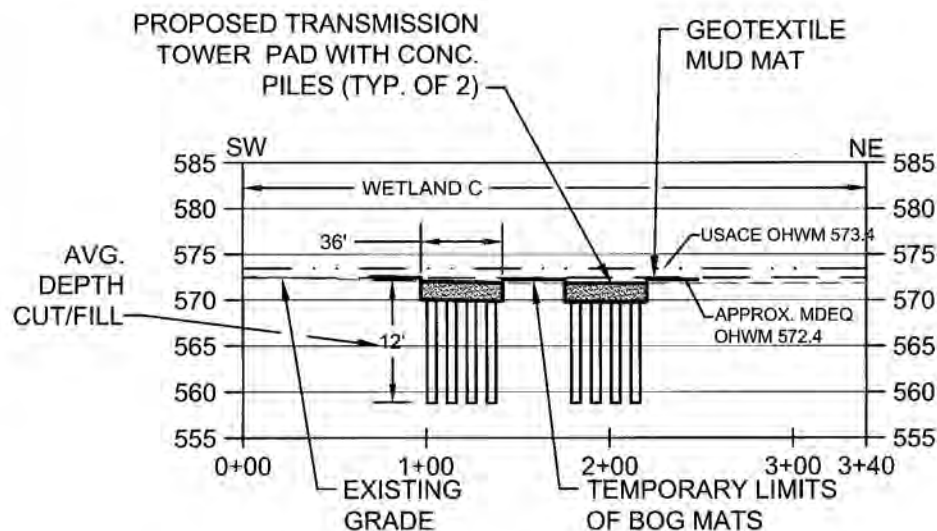
**FIGURE 12-9A ONSITE TRANSMISSION PLAN VIEW**

SCALE: 1"=250'

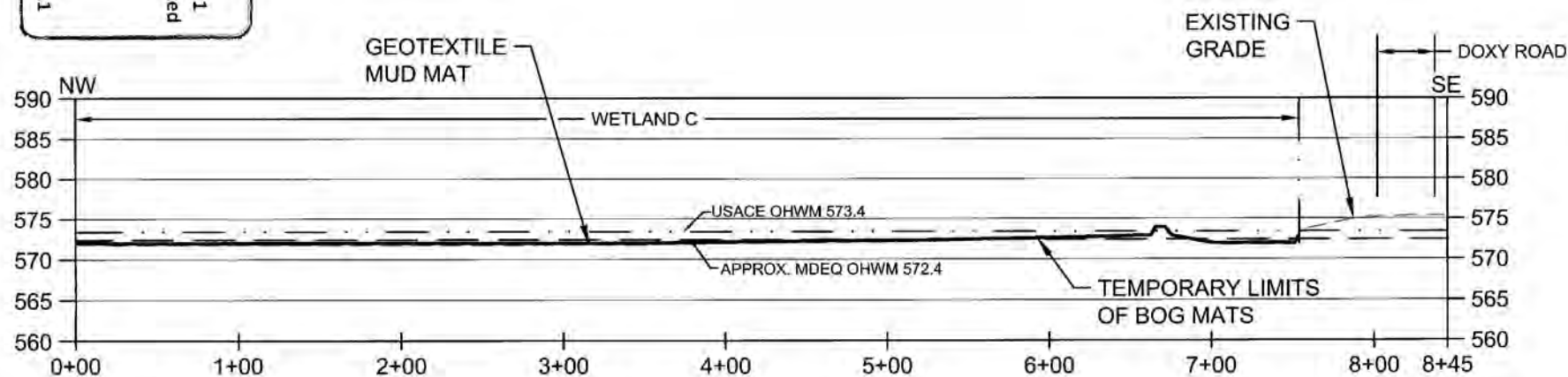


No: LRE-2008-00443-1-511  
DETROIT EDISON: Structures, Dredge & Wetland Fill Activities associated  
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Lake Erie, FRENCHTOWN Township, MONROE County, MI  
10-58-11  
12/2011

Sheet 39 of 63



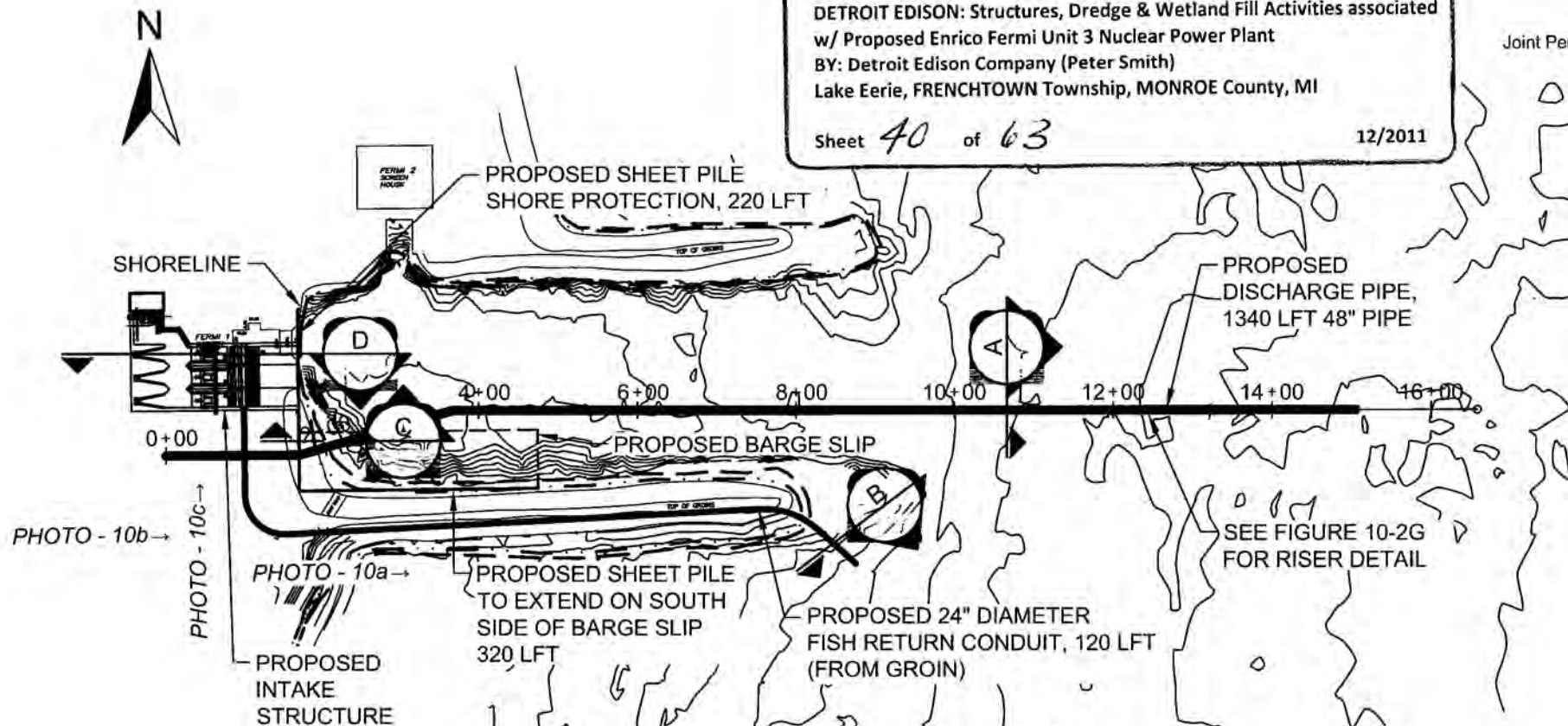
**A ONSITE TRANSMISSION SECTION**  
SCALE: 1"=100' H, 1"=20' V (IGLD 85 DATUM)



**B ONSITE TRANSMISSION SECTION**  
SCALE: 1"=100' H, 1"=20' V (IGLD 85 DATUM)

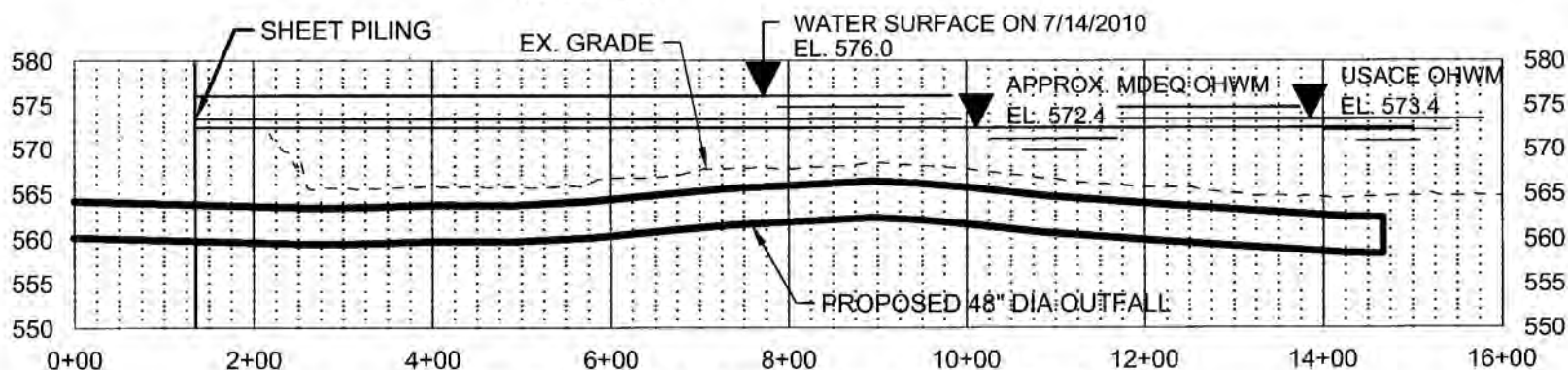
**LEGEND**  
--- USACE OHWM  
--- APPROX. MDEQ OHWM

**FIGURE 12-9B ONSITE TRANSMISSION SECTION DETAILS**



PLAN OF PROPOSED DISCHARGE PIPE

SCALE: 1"=200'



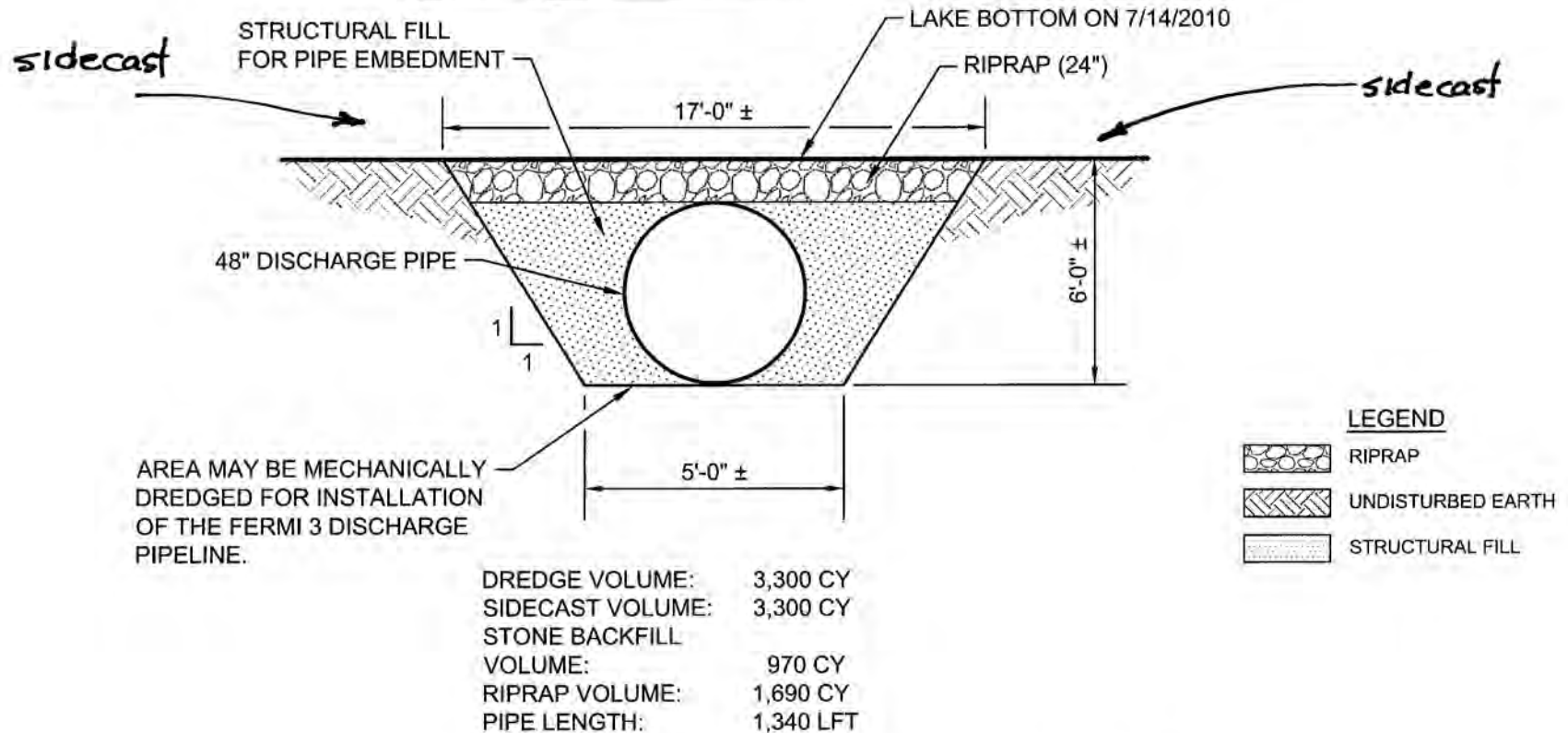
PROFILE OF PROPOSED FERMI 3 DISCHARGE PIPE

SCALE: 1"=200' HORIZ.; 1"=20' VERT. (IGLD 85 DATUM)

LEGEND

- — — USACE OHWM
- — — APPROX. MDEQ OHWM
- - - - - PROPOSED BARGE SLIP LIMITS

FIGURE 10-2A LAKE ERIE CONSTRUCTION AREA  
 PLAN AND PROFILE OF PROPOSED DISCHARGE PIPE



**NOTE:**

- ONLY OUTSIDE MATERIALS WILL BE THE PIPE, RIPRAP AND STONE.
- ALL WORK BELOW MDEQ AND USACE OHWM.

**DISCHARGE PIPE DREDGING  
 CROSS SECTION**  
 SCALE: NONE

**FIGURE 10-2B LAKE ERIE CONSTRUCTION AREA DISCHARGE PIPE DREDGING  
 SECTION 'A' DETAILS**

No: LRE-2008-00443-1-S11

10-58-11

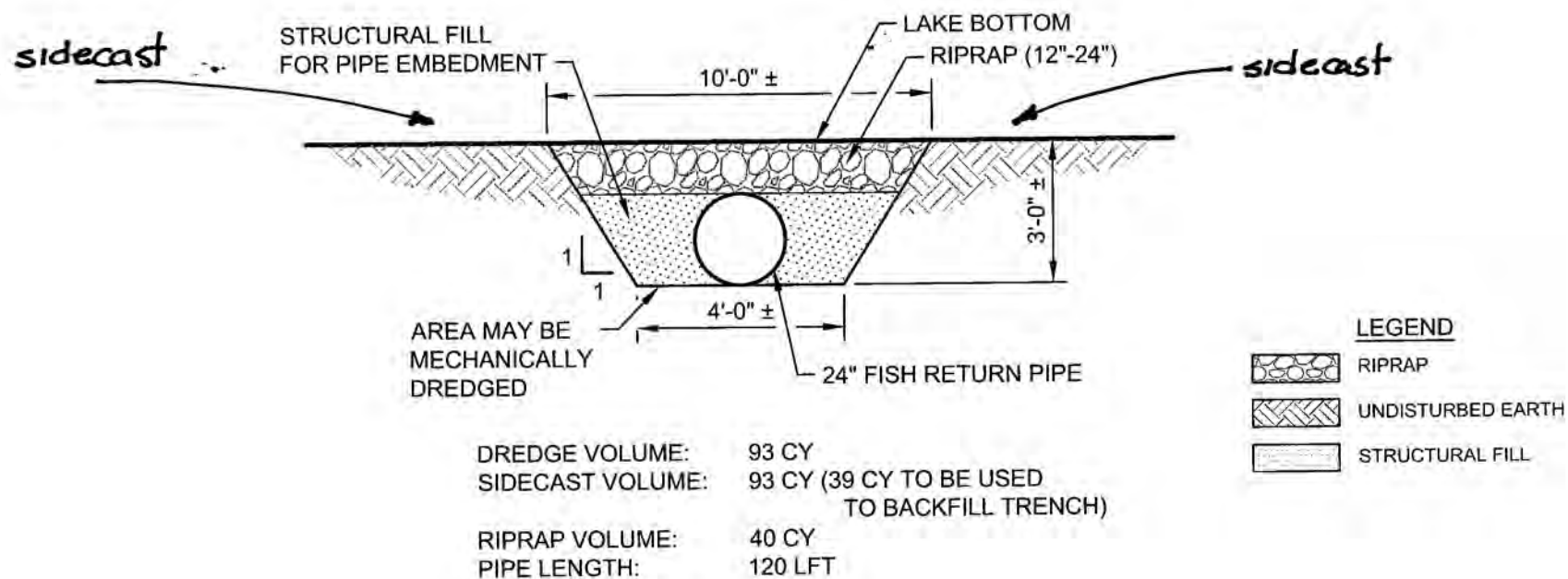
DETROIT EDISON: Structures, Dredge & Wetland Fill Activities associated  
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Sheet 42 of 63

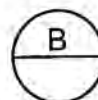
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**NOTE:**

1. ONLY OUTSIDE MATERIALS WILL BE THE PIPE AND RIPRAP.
2. ALL WORK BELOW APPROX. MDEQ AND USACE OHWM.

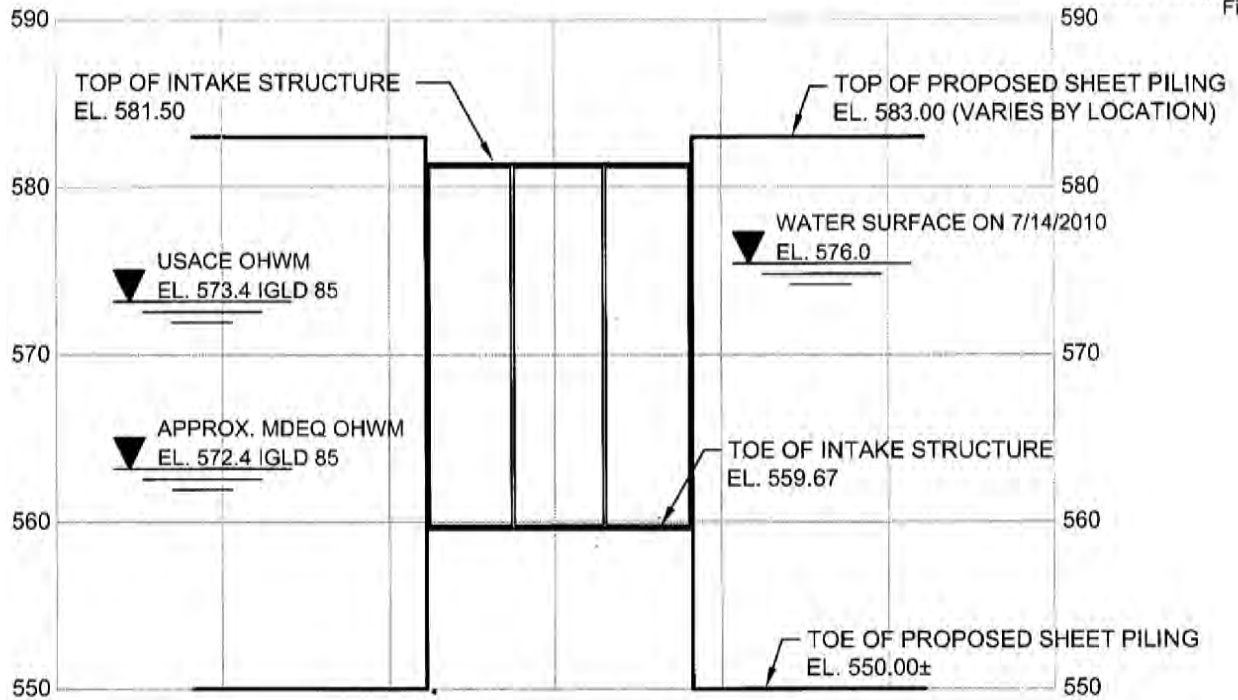
**PIPE DREDGING CROSS SECTION  
(AT FISH RETURN LOCATION)**



SCALE: NONE

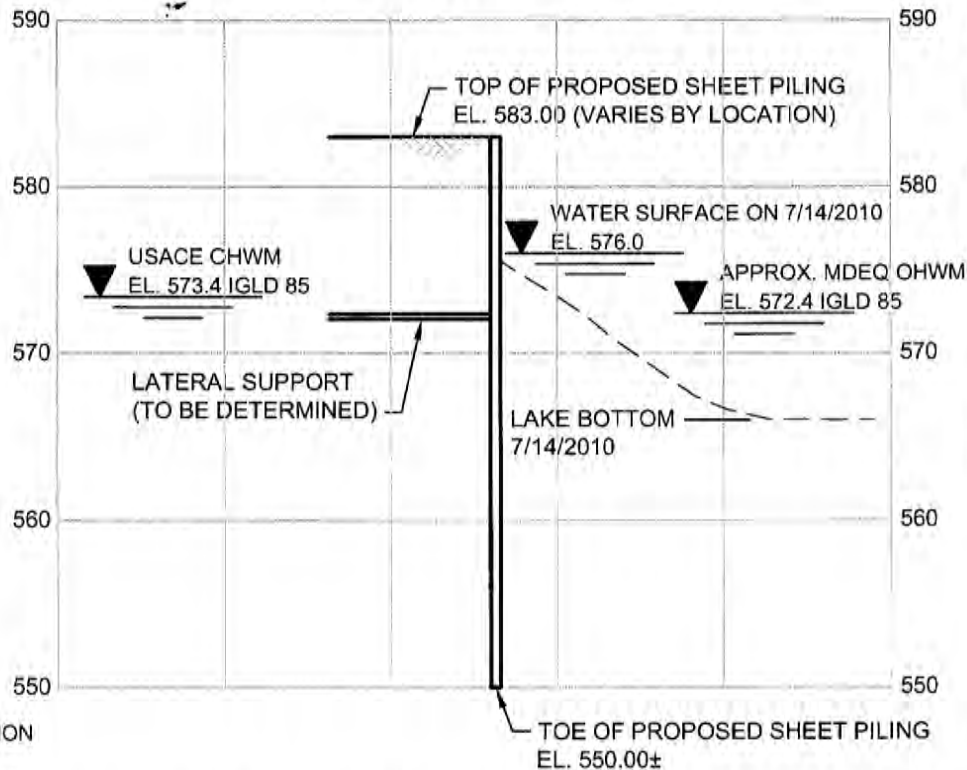
**FIGURE 10-2C LAKE ERIE CONSTRUCTION AREA PIPE DREDGING SECTION 'B' DETAILS**





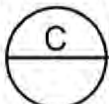
## INTAKE CROSS SECTION ALONG SHORELINE

SCALE: 1"=60' HORZ.; 1"=10' VERT. (IGLD 85 DATUM)



### LEGEND

- WATER ELEVATION
- EXISTING GROUND

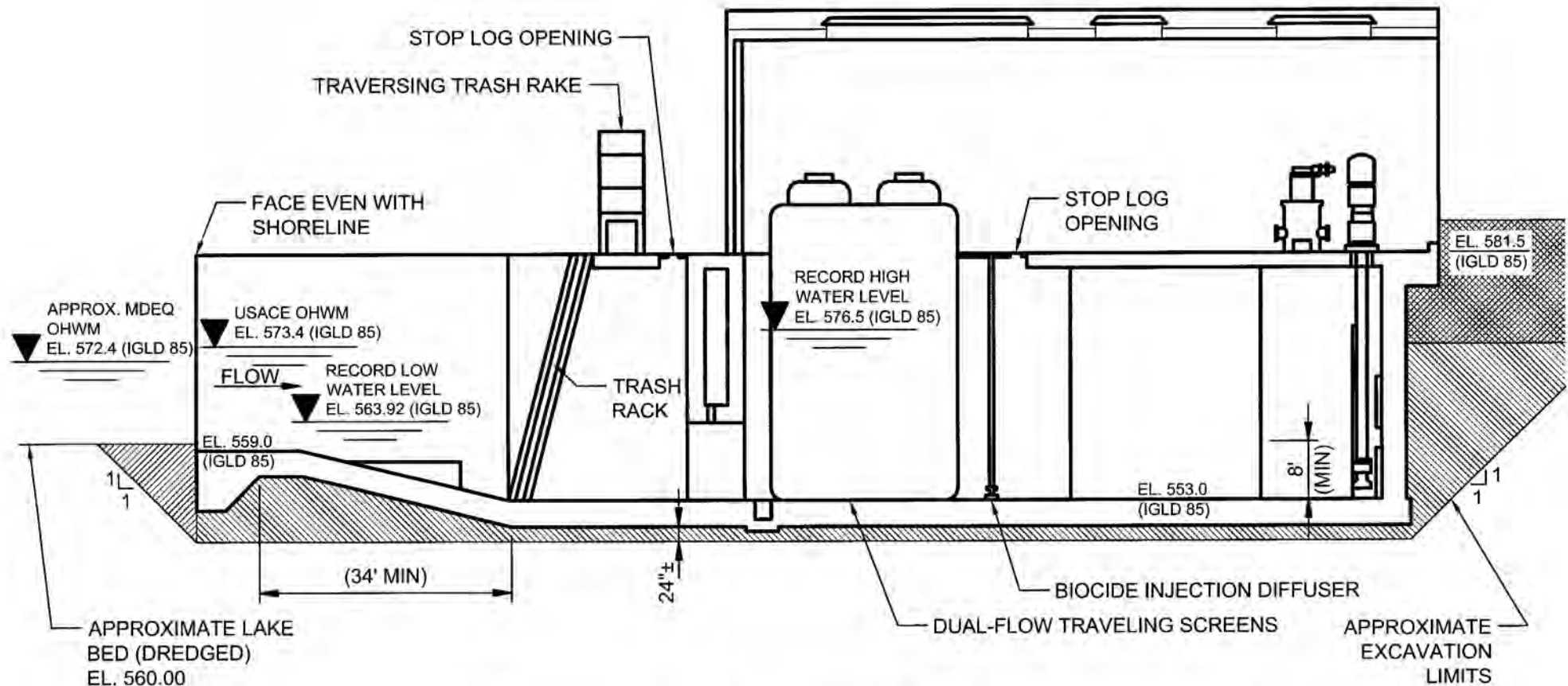


## CROSS SECTION OF PROPOSED SHEET PILING

SCALE: 1"=10' VERT. (IGLD 85 DATUM)

# FIGURE 10-2D LAKE ERIE CONSTRUCTION AREA INTAKE AND PROPOSED SHEET PILING SECTION DETAILS

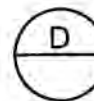
No: LRE-2008-00443-1-\$11  
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 w/ Proposed Enrico Fermi Unit 3 Nuclear Power Plant  
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 Lake Erie, FRENCHTOWN Township, MONROE County, MI  
 10-58-11  
 12/2011  
 Sheet 43 of 43



### LEGEND

-  LAKE AREA DREDGE  
 DREDGE  
 UPLAND BACKFILL

PROPOSED INTAKE STRUCTURE  
(LOOKING SOUTH)



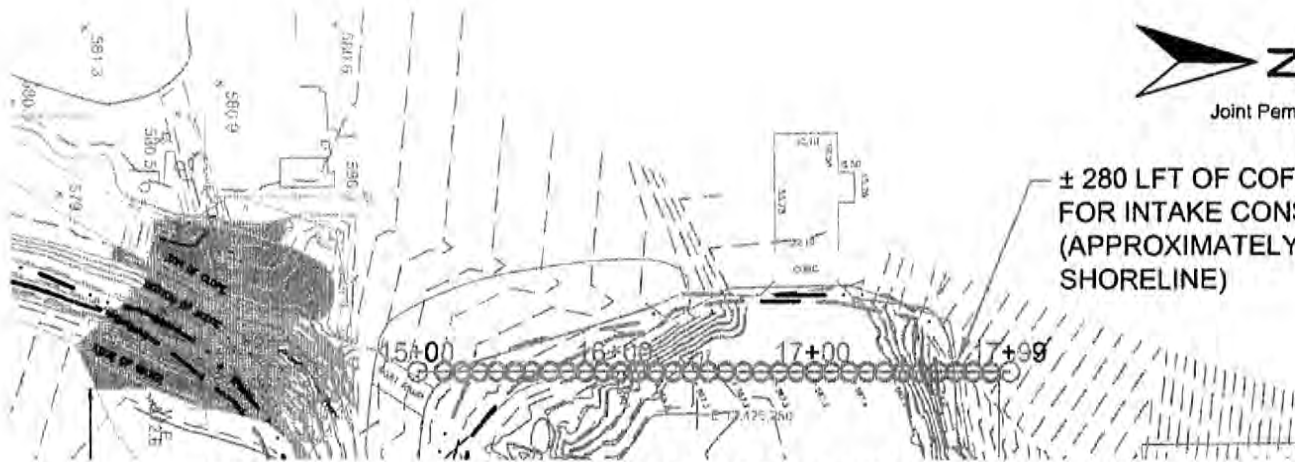
SCALE: 1"=20' (IGLD 85 DATUM)

FIGURE 10-2E LAKE ERIE CONSTRUCTION AREA  
PROPOSED INTAKE STRUCTURE SECTION 'D' DETAILS

VOLUMES BELOW APPROX. MDEQ OHWM

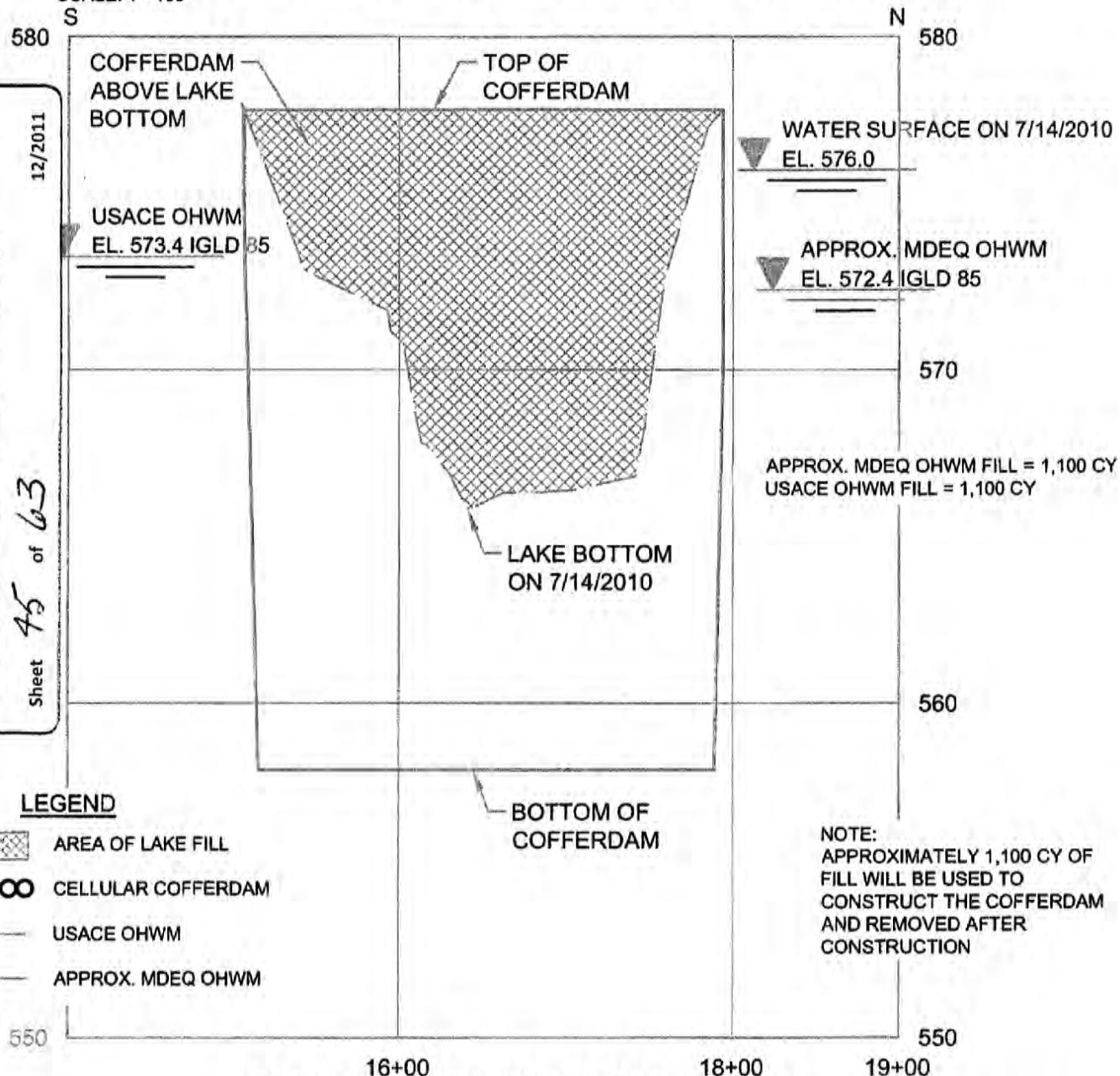
DREDGE VOLUME:	16,100 CY
LAKE AREA DREDGE VOLUME:	300 CY
STRUCTURE VOLUME:	10,900 CY
BACKFILL VOLUME:	5,500 CY

VOLUMES BELOW USACE OHWM  
DREDGE VOLUME: 16,600 CY  
LAKE AREA DREDGE VOLUME: 300 CY  
STRUCTURE VOLUME: 11,300 CY  
BACKFILL VOLUME: 5,600 CY



## PROPOSED TEMPORARY COFFERDAM AT INTAKE STRUCTURE

SCALE: 1"=100'



### LEGEND

- AREA OF LAKE FILL
- CELLULAR COFFERDAM
- USACE OHWM
- APPROX. MDEQ OHWM

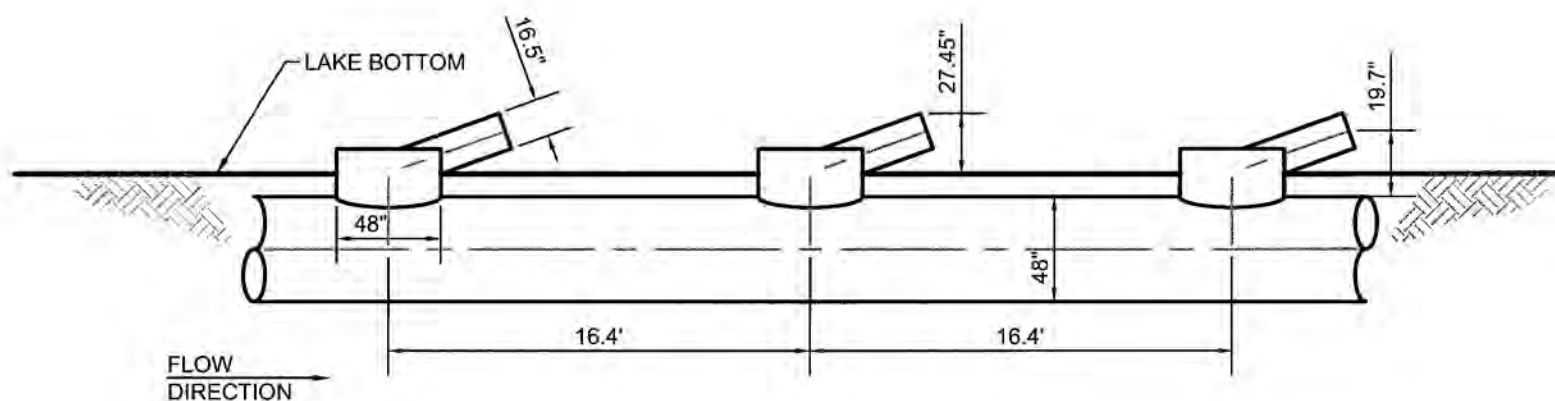
NOTE:  
APPROXIMATELY 1,100 CY OF  
FILL WILL BE USED TO  
CONSTRUCT THE COFFERDAM  
AND REMOVED AFTER  
CONSTRUCTION

## PROFILE OF TEMPORARY COFFERDAM

SCALE: 1"=100' HORIZ.; 1"=5' VERT. (IGLD 85 DATUM)

FIGURE 10-2F LAKE ERIE CONSTRUCTION AREA PROPOSED COFFERDAM

No: LRE-2008-00443-1-S11 10-58-11  
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Lake Eerie, FRENCHTOWN Township, MONROE County, MI  
Sheet 46 of 63 12/2011



NOTE:  
TYPICAL RISER DETAIL ALONG DISCHARGE PIPE

## 10-2G LAKE ERIE CONSTRUCTION AREA PROPOSED DISCHARGE PIPE RISER DETAIL

SCALE: NONE



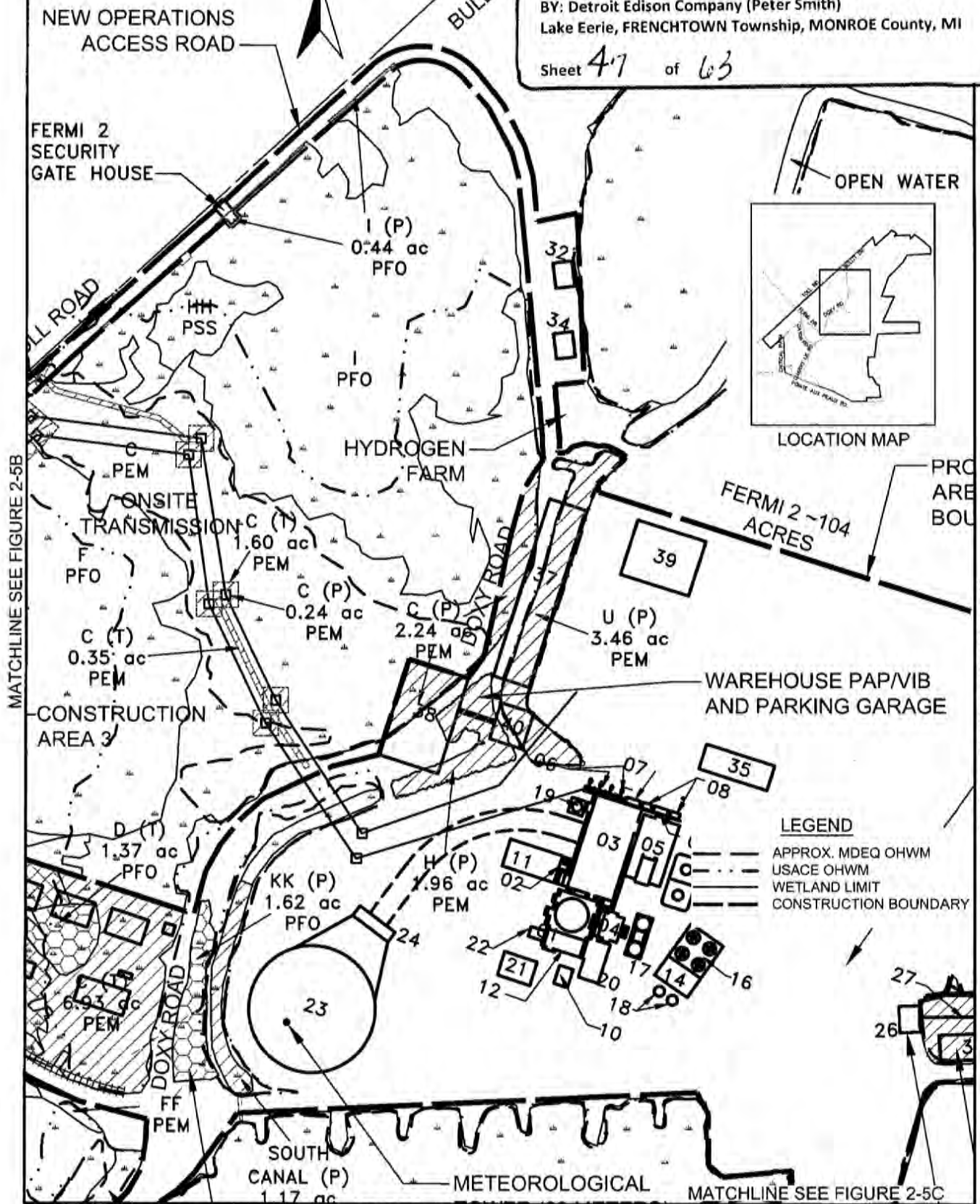
MATCHLINE SEE

No: LRE-2008-00443-1-S11  
 DETROIT EDISON: Structures, Dredge & Wetland Fill Activities associated  
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10-58-11

Sheet 47 of 63

12/2011

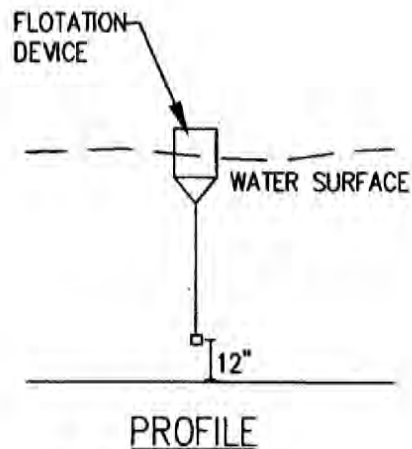
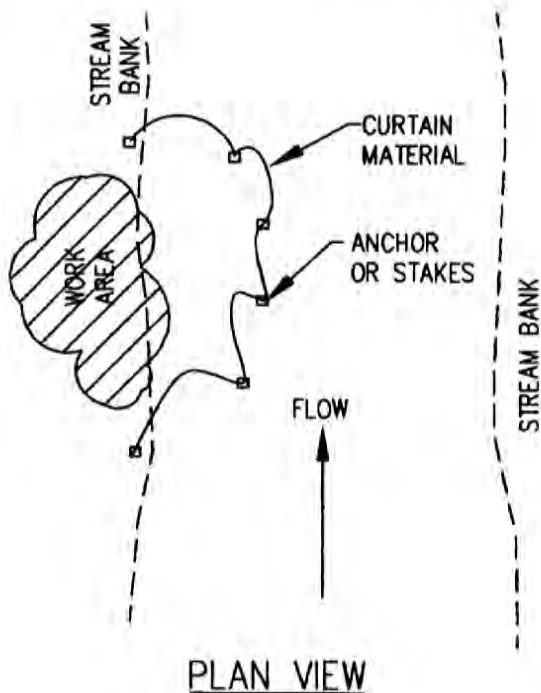


**FIGURE 2-5D SITE PLAN**

SCALE: 1"=500'

S61

# TURBIDITY CURTAIN



No: LRE-2008-00443-1-S11

10-58-11

DETROIT EDISON: Structures, Dredge & Wetland Fill Activities associated w/ Proposed Enrico Fermi Unit 3 Nuclear Power Plant

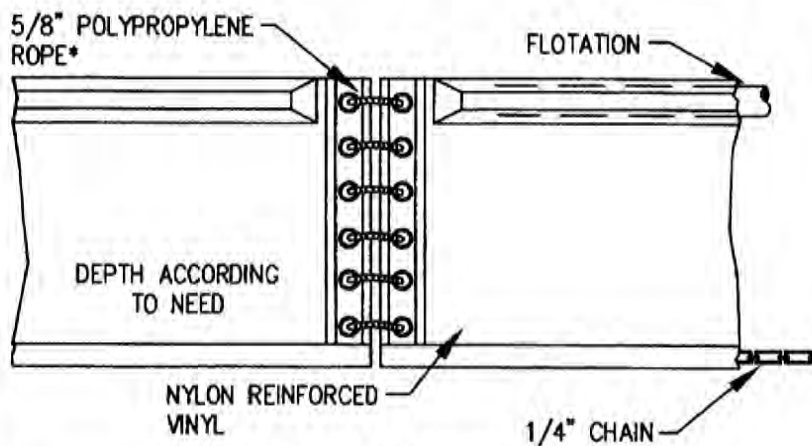
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Sheet **48** of **63**

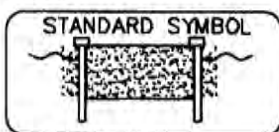
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\* JOINTS VARY DEPENDING  
ON TYPE OF WATERBODY AND  
VELOCITY OF WATERFLOW.



PROFILE - CURTAIN DETAIL  
**TYPICAL**

NOTES:  
TYPE OF TURBIDITY CURTAIN TO BE  
DETERMINED BY A QUALIFIED ENGINEER  
or CPESC.

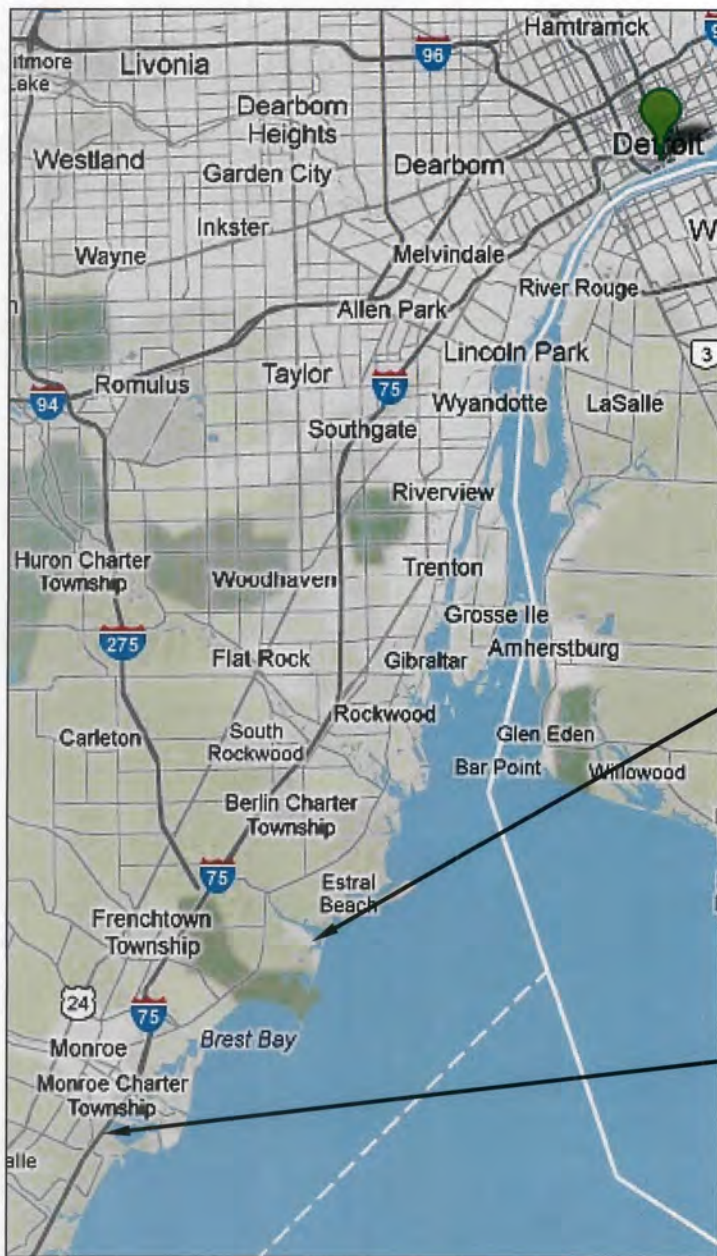


ADAPTED FROM:  
AERO-FLO CANVAS PRODUCTS, INC.



MICHIGAN  
DEPARTMENT OF  
MANAGEMENT AND BUDGET





**PROPOSED  
FERMI 3  
LOCATION**



**MITIGATION  
SITE  
LOCATION**



No: LRE -2008-00443-1-S11  
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No: LRE-2008-00443-1-S11

10-58-11

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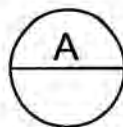
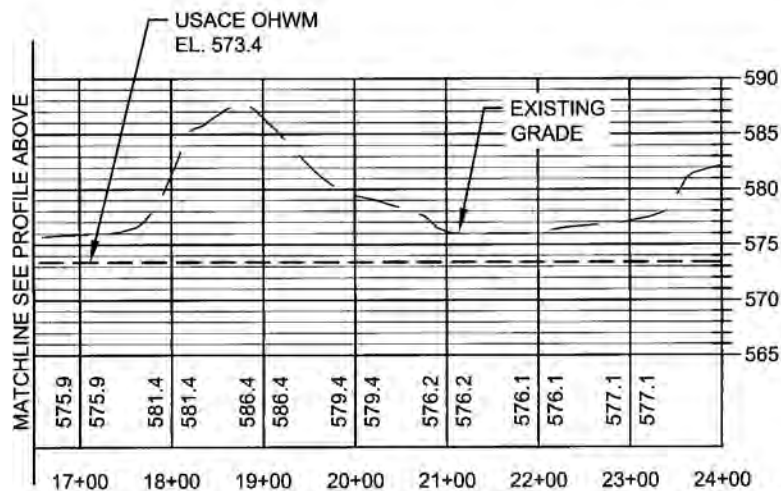
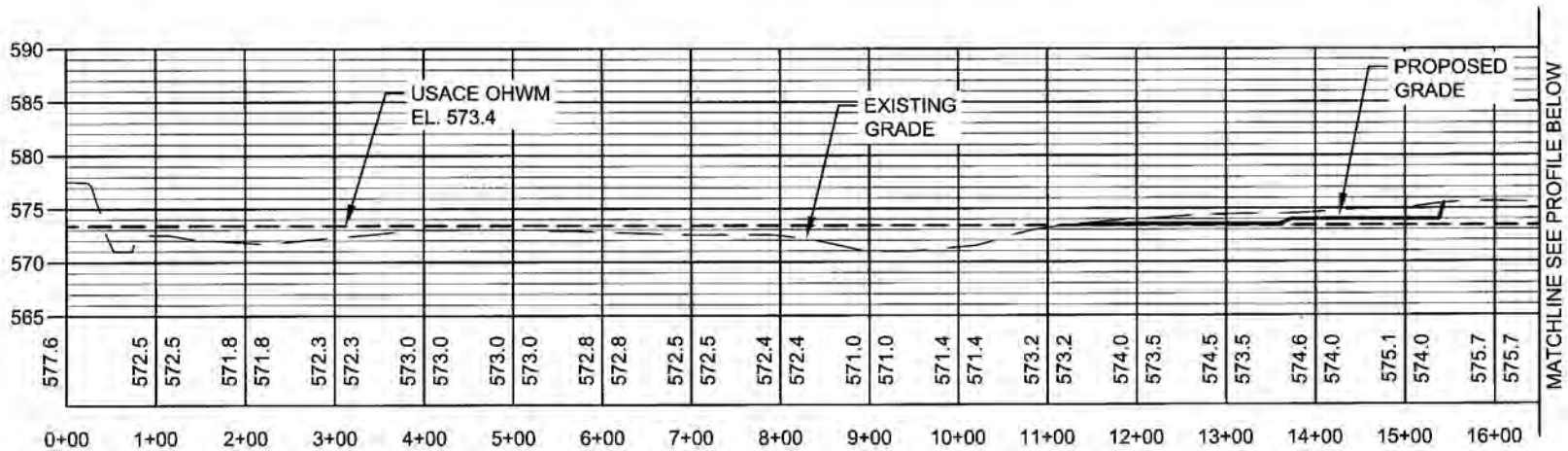
Lake Erie, FRENCHTOWN Township, MONROE County, MI

Sheet 50 of 63

12/2011







## SECTION

SCALE: 1"=200' H, 1"=10' V

No: LRE-2008-00443-1-511

10-58-11

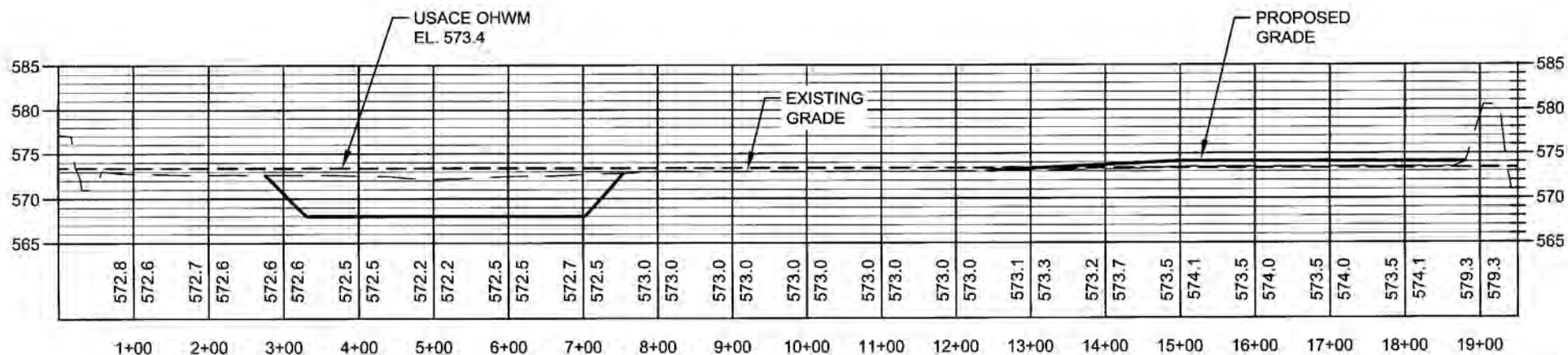
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Sheet 51 of 63

12/2011

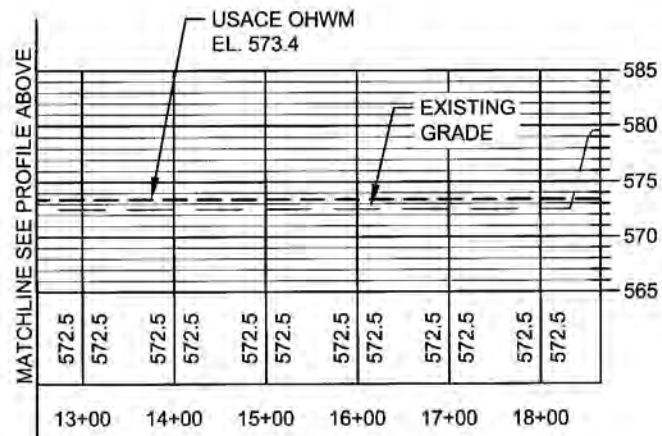


**B** SECTION  
SCALE: 1"=200' H, 1"=10' V

No: LRE-2008-00443-1-511 10-58-11  
DETROIT EDISON: Structures, Dredge & Wetland Fill Activities associated  
w/ Proposed Enrico Fermi Unit 3 Nuclear Power Plant  
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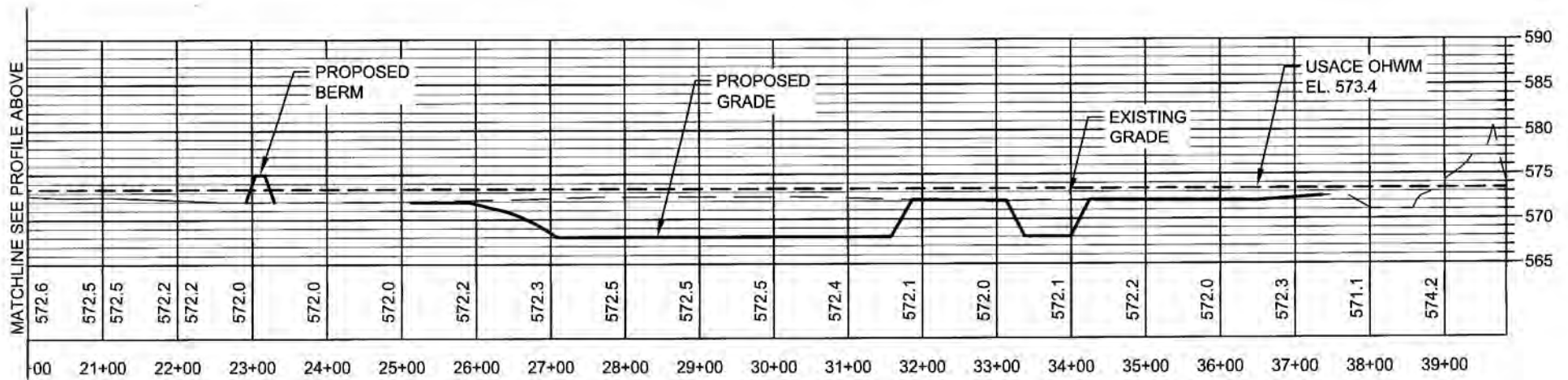
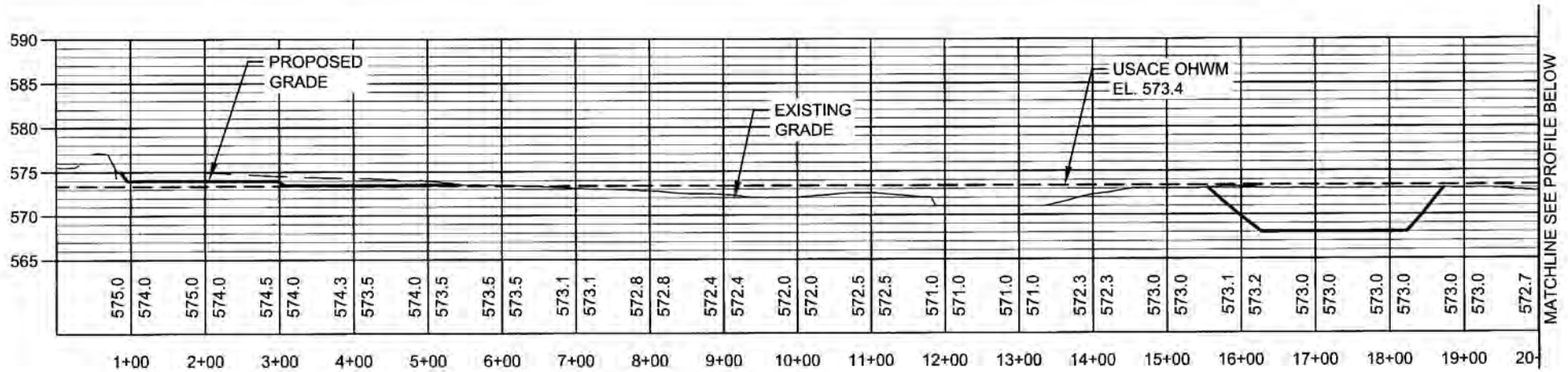
Sheet 52 of 63

12/2011



SCALE: 1"=200' H, 1"=10' V

12/2011



**D SECTION**

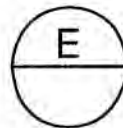
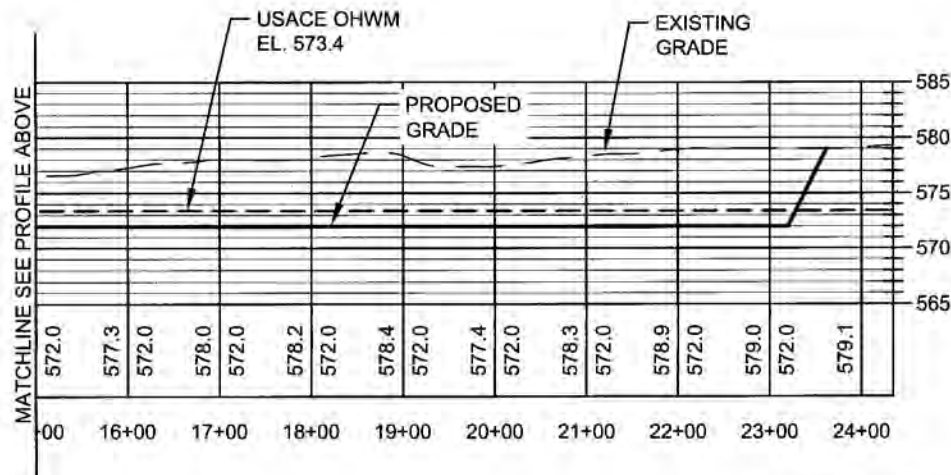
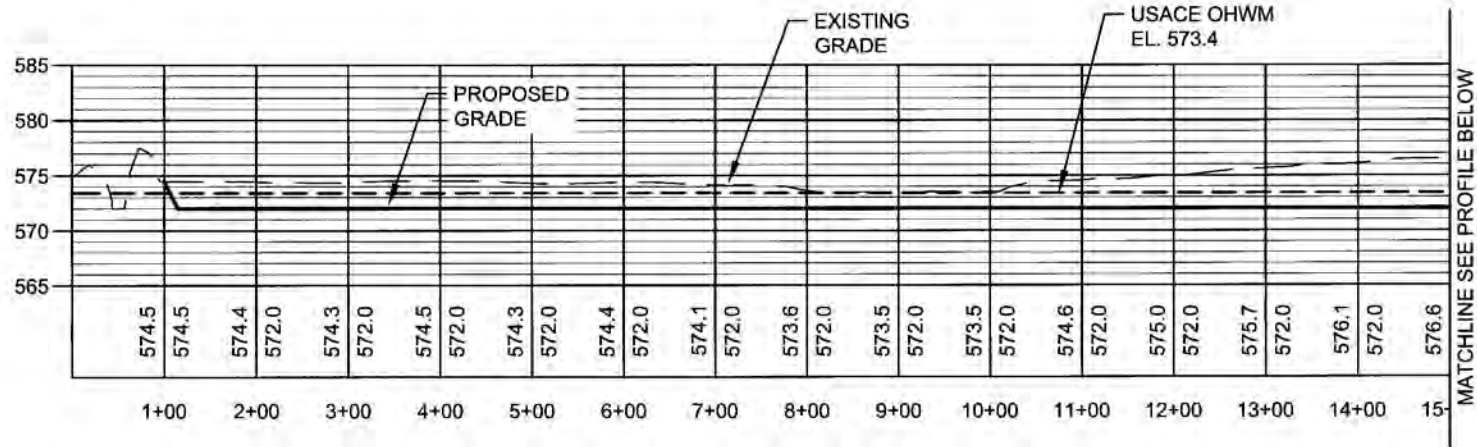
SCALE: 1"=200' H, 1"=10' V

No: LRE-2008-00443-1-S11  
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Sheet 54 of 63

12/2011





## SECTION

SCALE: 1"=200' H, 1"=10' V

No: LRE-2008-00443-1-511

10-58-11

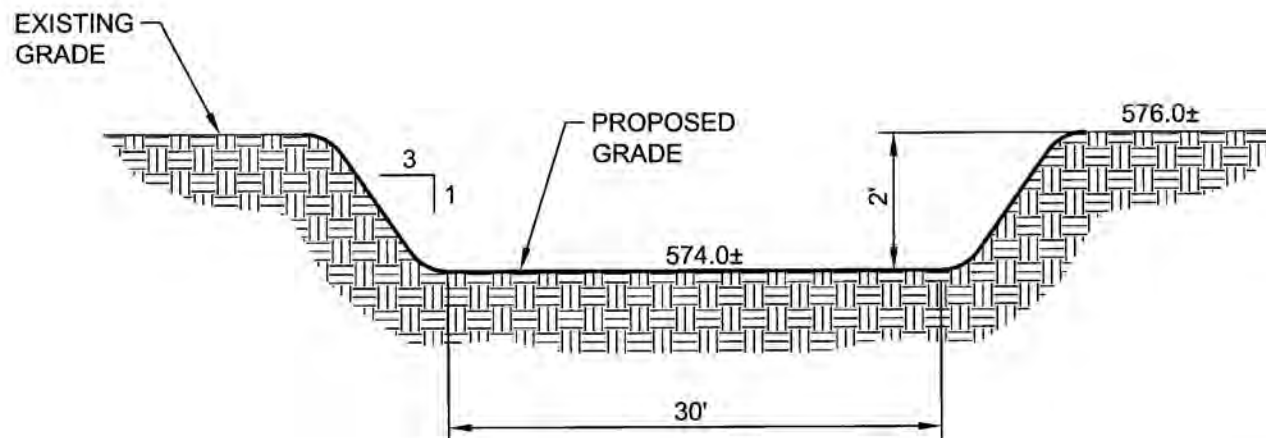
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Sheet 55 of 63

12/2011



**FIGURE 1 - DAVIS DRAIN OVERFLOW TO SITE**

NO SCALE

No: LRE-2008-00443-1-S11

10-58-11

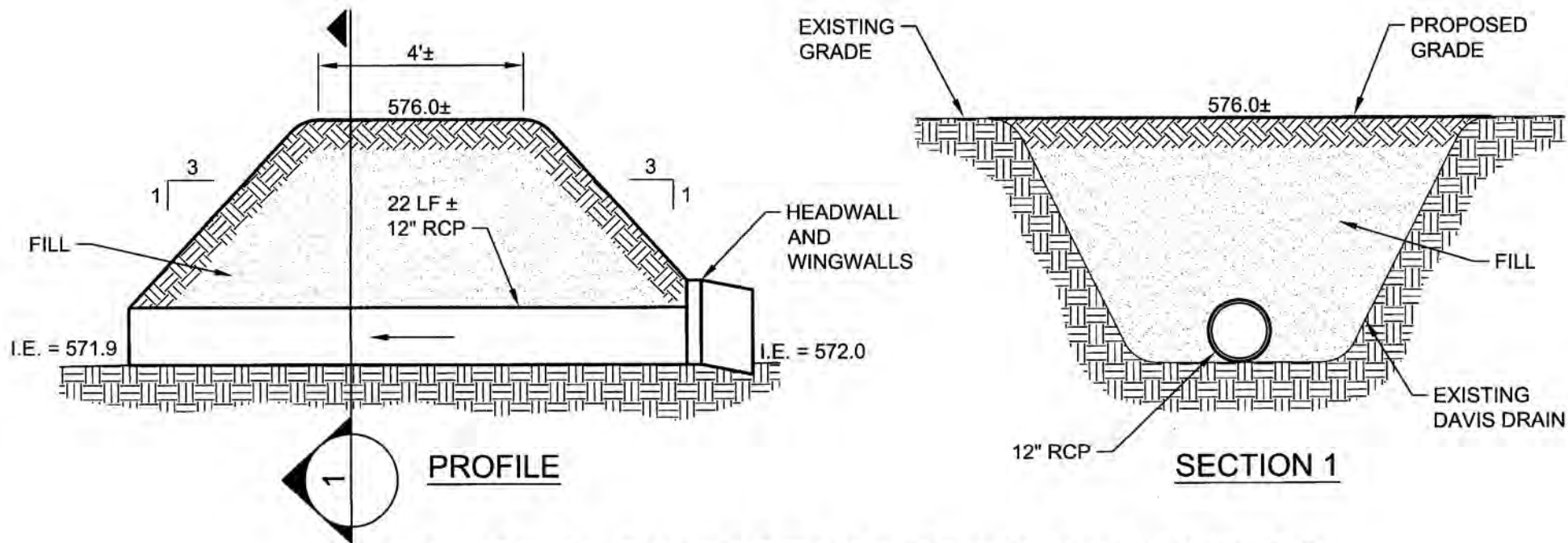
DETROIT EDISON: Structures, Dredge & Wetland Fill Activities associated  
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Sheet 56 of 63

12/2011



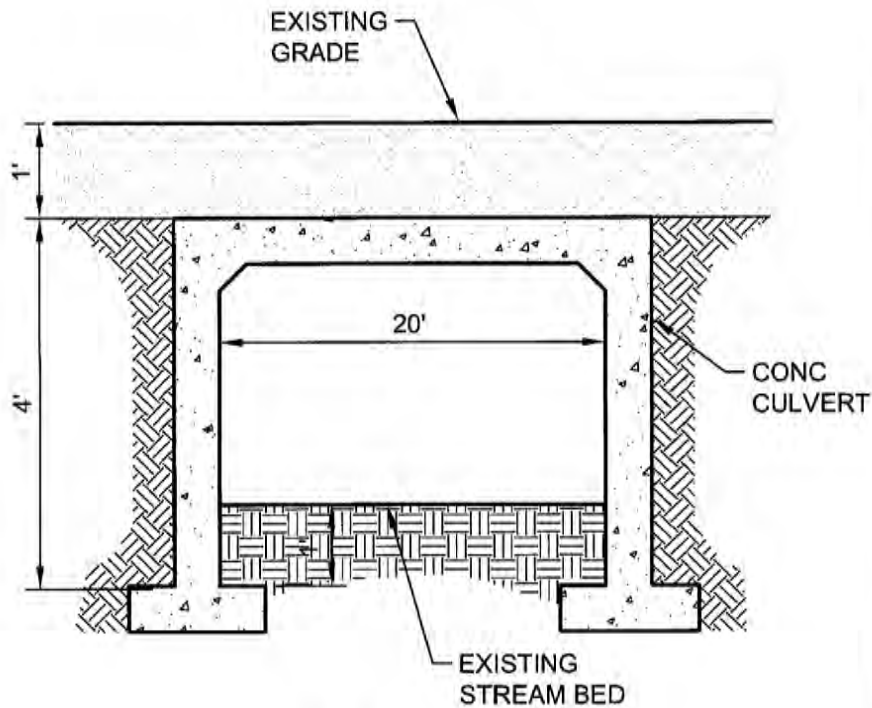
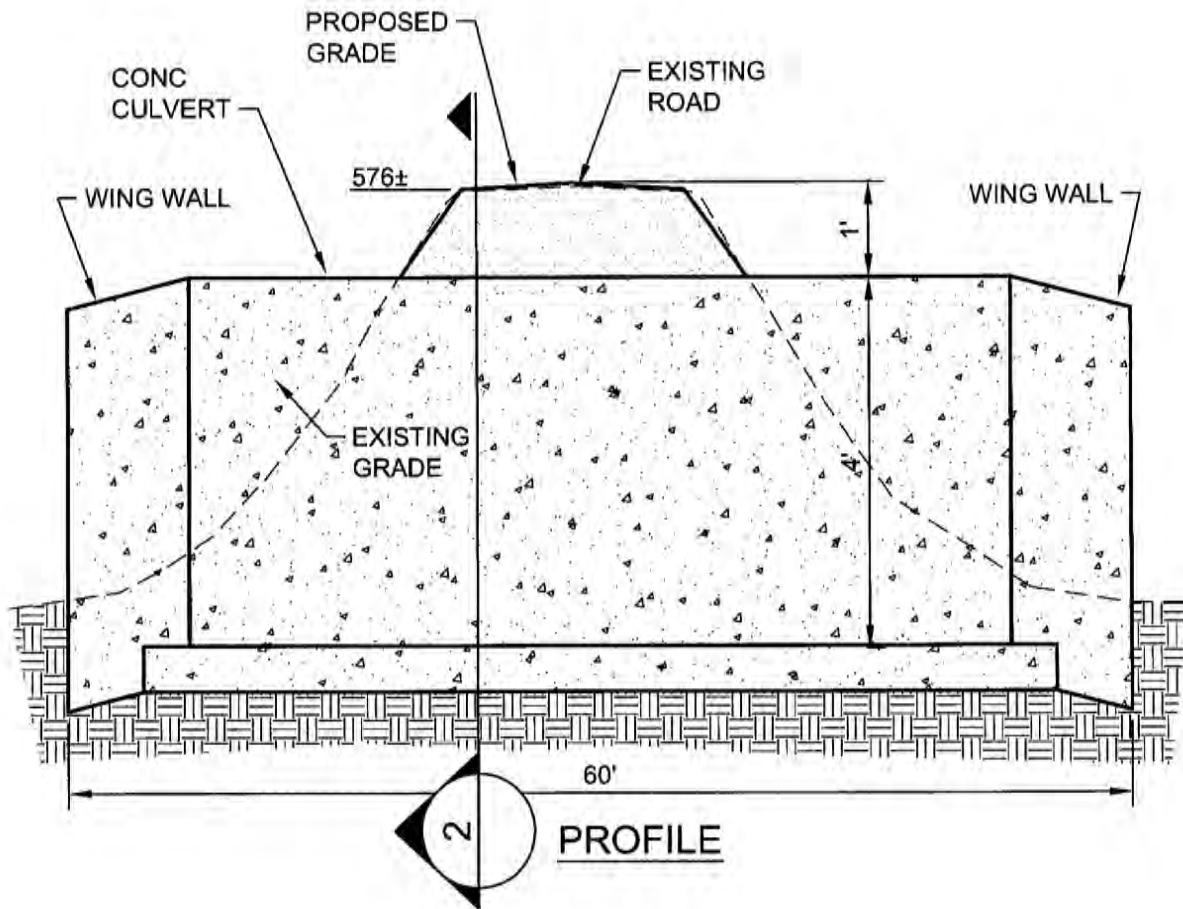
**FIGURE 2 - DAVIS DRAIN LOW FLOW CULVERT**

NO SCALE

No: LRE-2008-00443-1-S11 10-58-11  
 DETROIT EDISON: Structures, Dredge & Wetland Fill Activities associated  
 w/ Proposed Enrico Fermi Unit 3 Nuclear Power Plant  
 BY: Detroit Edison Company (Peter Smith)  
 Lake Erie, FRENCHTOWN Township, MONROE County, MI

Sheet 57 of 63

12/2011



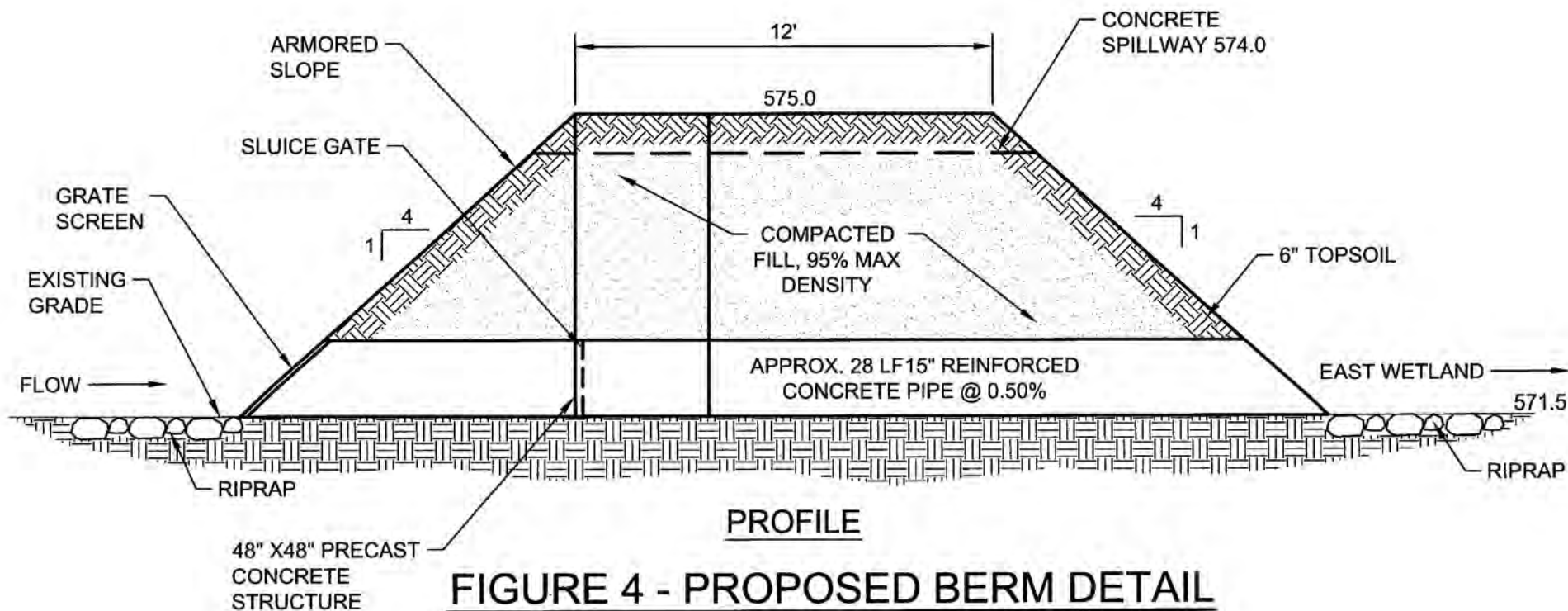
## SECTION 2

**FIGURE 3 - DAVIS DRAIN  
OVERFLOW 3-SIDED CULVERT**

NO SCALE

No: LRE-2008-00443-1-511  
 DETROIT EDISON: Structures, Dredge & Wetland Fill Activities associated  
 w/ Proposed Enrico Fermi Unit 3 Nuclear Power Plant  
 BY: Detroit Edison Company (Peter Smith)  
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Sheet 58 of 63  
 12/2011



NO SCALE

No: LRE-2008-00443-1-S11

10-58-11

DETROIT EDISON: Structures, Dredge & Wetland Fill Activities associated w/ Proposed Enrico Fermi Unit 3 Nuclear Power Plant

BY: Detroit Edison Company (Peter Smith)

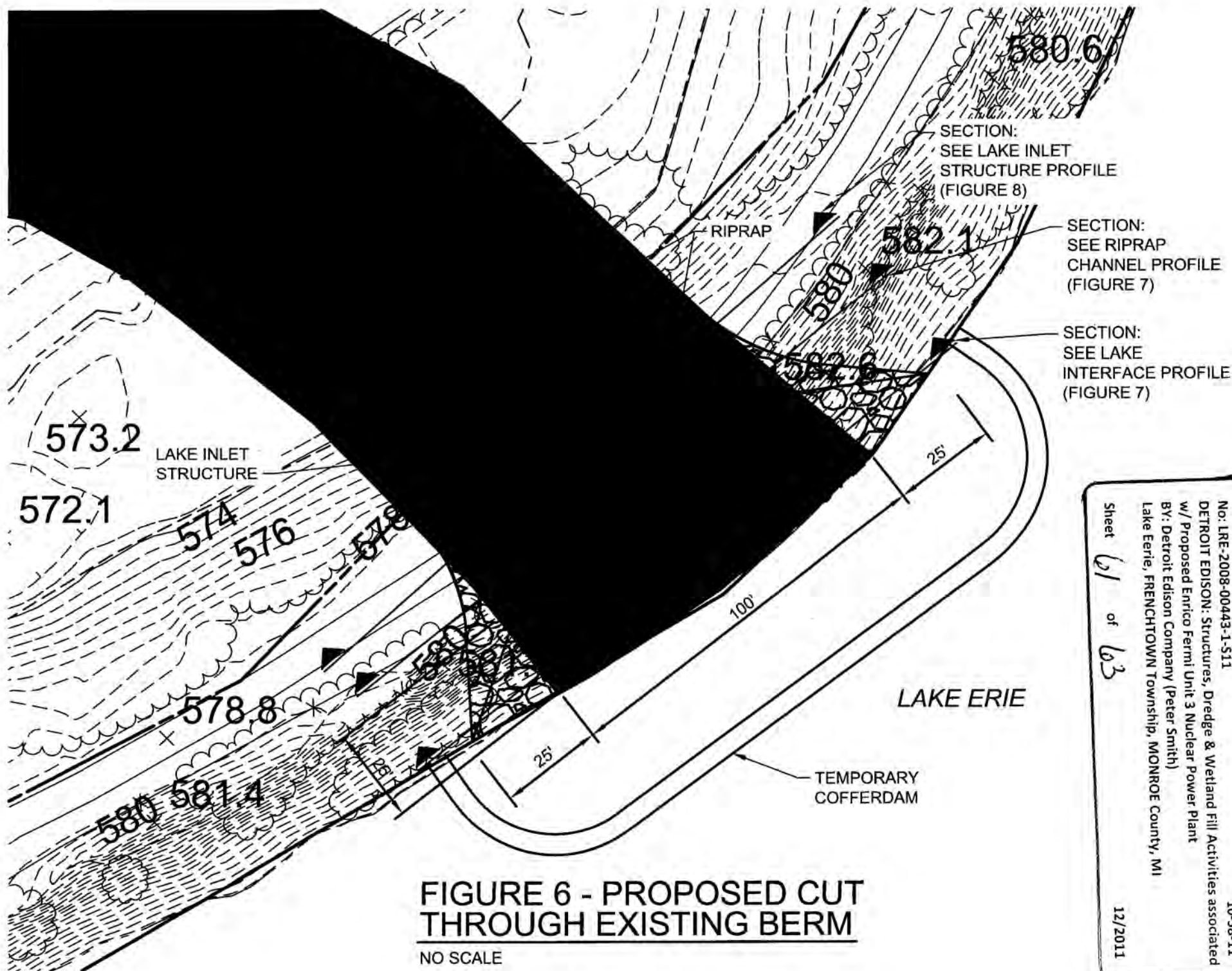
Lake Eerie, FRENCHTOWN Township, MONROE County, MI

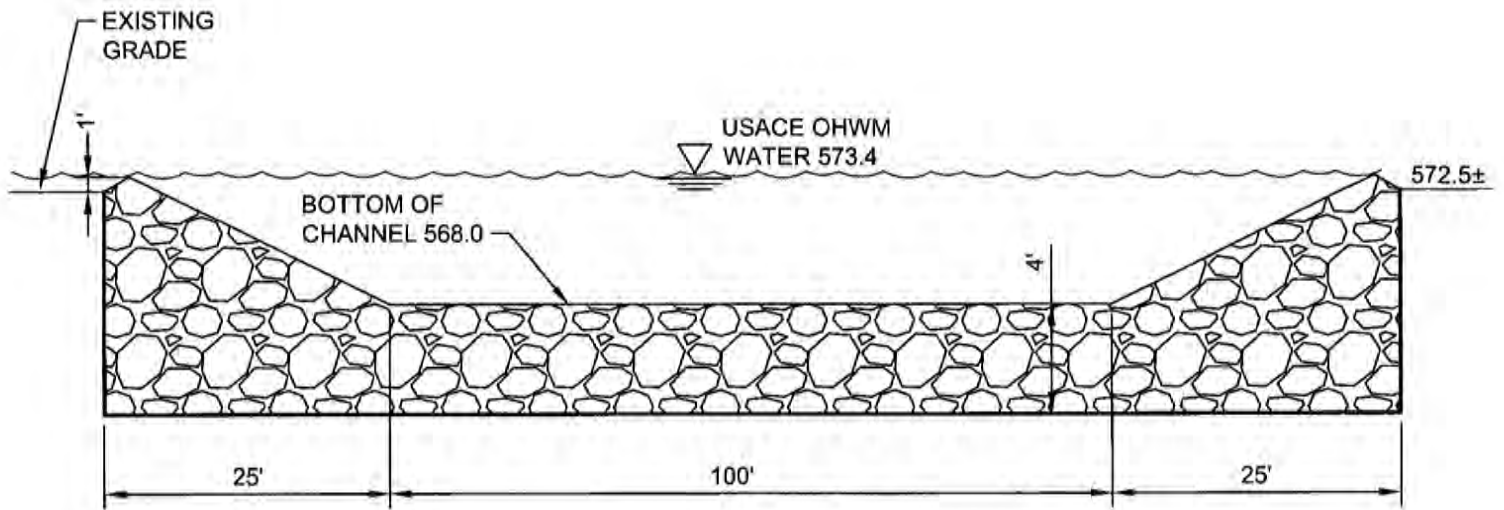
Sheet 59 of 63

12/2011

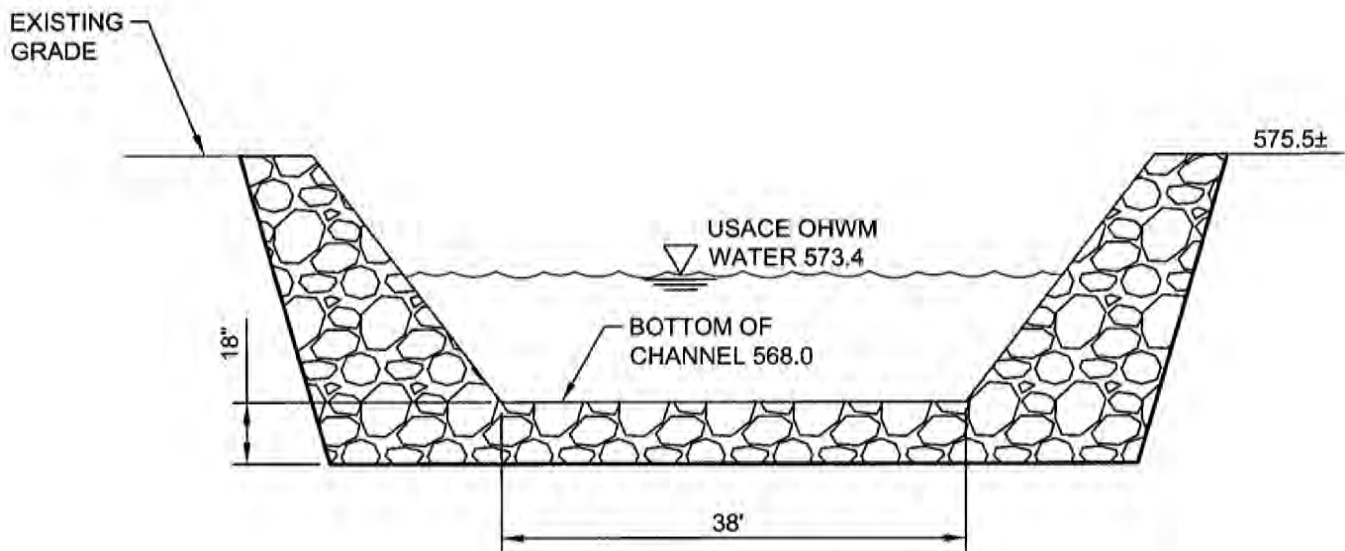








LAKE INTERFACE PROFILE



RIPRAP CHANNEL PROFILE

## FIGURE 7 - PROPOSED CUT THROUGH EXISTING BERM

NO SCALE

No: LRE-2008-00443-1-S11

10-58-11

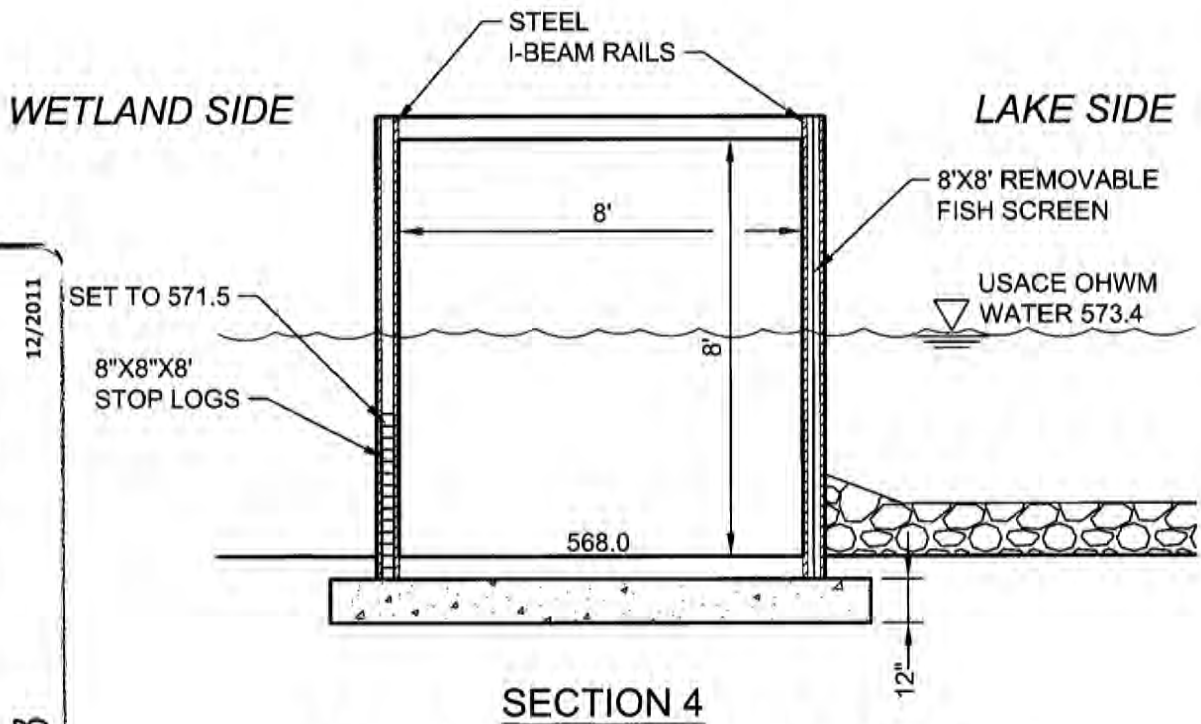
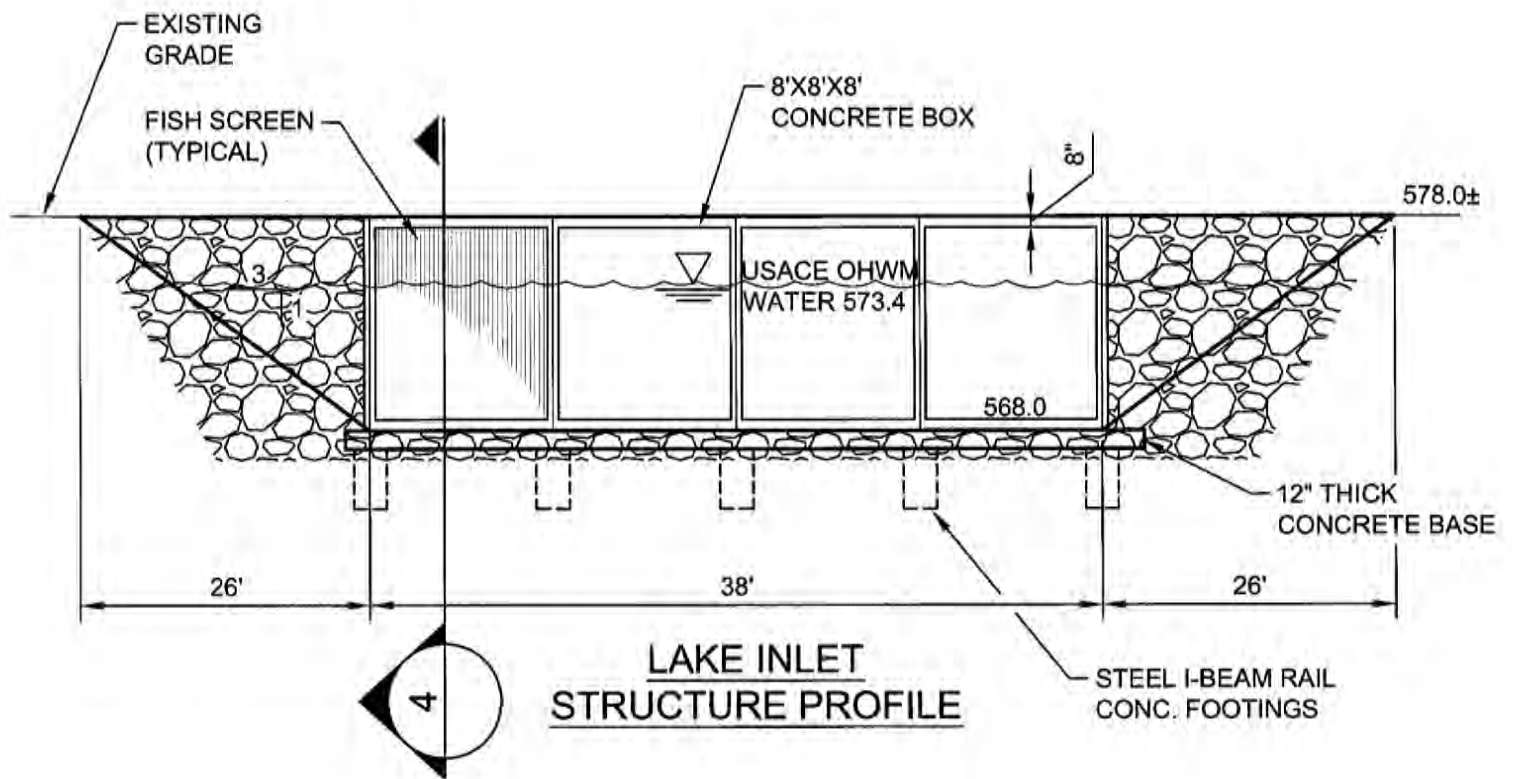
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Lake Eerie, FRENCHTOWN Township, MONROE County, MI

Sheet 62 of 63

12/2011



**FIGURE 8 - PROPOSED CUT THROUGH EXISTING BERM**

NO SCALE

No: LRE-2008-00443-1-S11  
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12/2011

Sheet

63 of 63