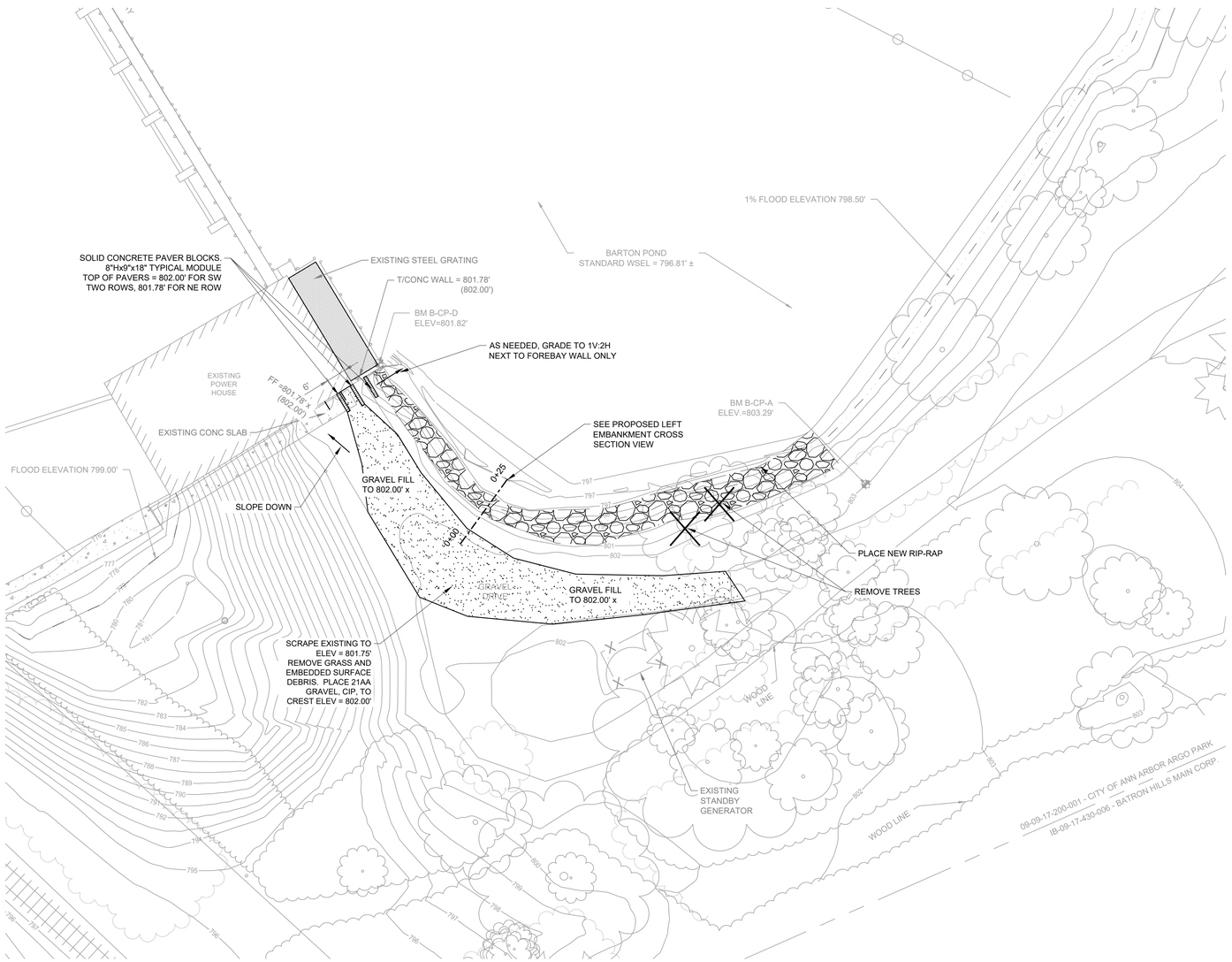
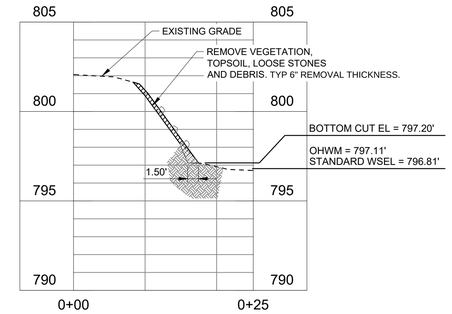
NOTES:
1. CONTRACTOR SHALL AMEND THE ACCESS DRIVE BY LOOSENING THE EXISTING ACCESS DRIVE 3-INCHES IN DEPTH AND ADDING STONE TO THE ACCESS DRIVE AS REQUIRED USING 21AA GRAVEL AS SHOWN ON THE DRAWING.
2. FOR NEW GRAVEL PLACEMENT CONTRACTOR SHALL USE A ROLLER FOR COMPACTION TO 98% AS DETERMINED BY AASHTO T-180.
3. CONTRACTOR TO REMOVE EXISTING RIP-RAP TO GRADE.

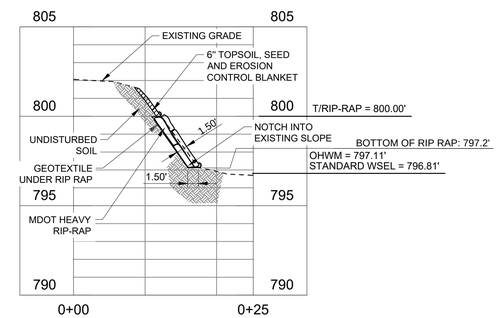


PLAN VIEW
SCALE: 1" = 20'



EXCAVATION CROSS-SECTION

SCALE:
1" = 10' HORZ.
1" = 4' VERT.



BACKFILL CROSS-SECTION

SCALE:
1" = 10' HORZ.
1" = 4' VERT.

	BELOW 1% CHANCE FLOOD ELEVATION	TOTAL
CUT (CY)	6.8	19
FILL (CY)	16	40

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Notes

SURVEY DATUM

UNO, ELEVATIONS ARE IN FEET NAVD88. PARENTHETICAL ELEVATIONS (YYZ.ZX) ARE FROM THE 1912 BARTON DESIGN DRAWINGS, WHICH USED A LOCAL DATUM.

		By	Appd	YYYY.MM.DD
B	PERMIT PLAN	PJM	PJM	2025.12.31
A	DRAFT PLAN	PJM	PJM	2025.09.11

Issued

File Name: 151516C-01	BWA/EJR	PJM	PJM	2025.08.04
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project
CITY OF ANN ARBOR

BARTON DAM -
PROPOSED ADDITIONAL WORK
FOR INCLUSION IN THE BARTON RIGHT
EMBANKMENT CONSTRUCTION CONTRACT

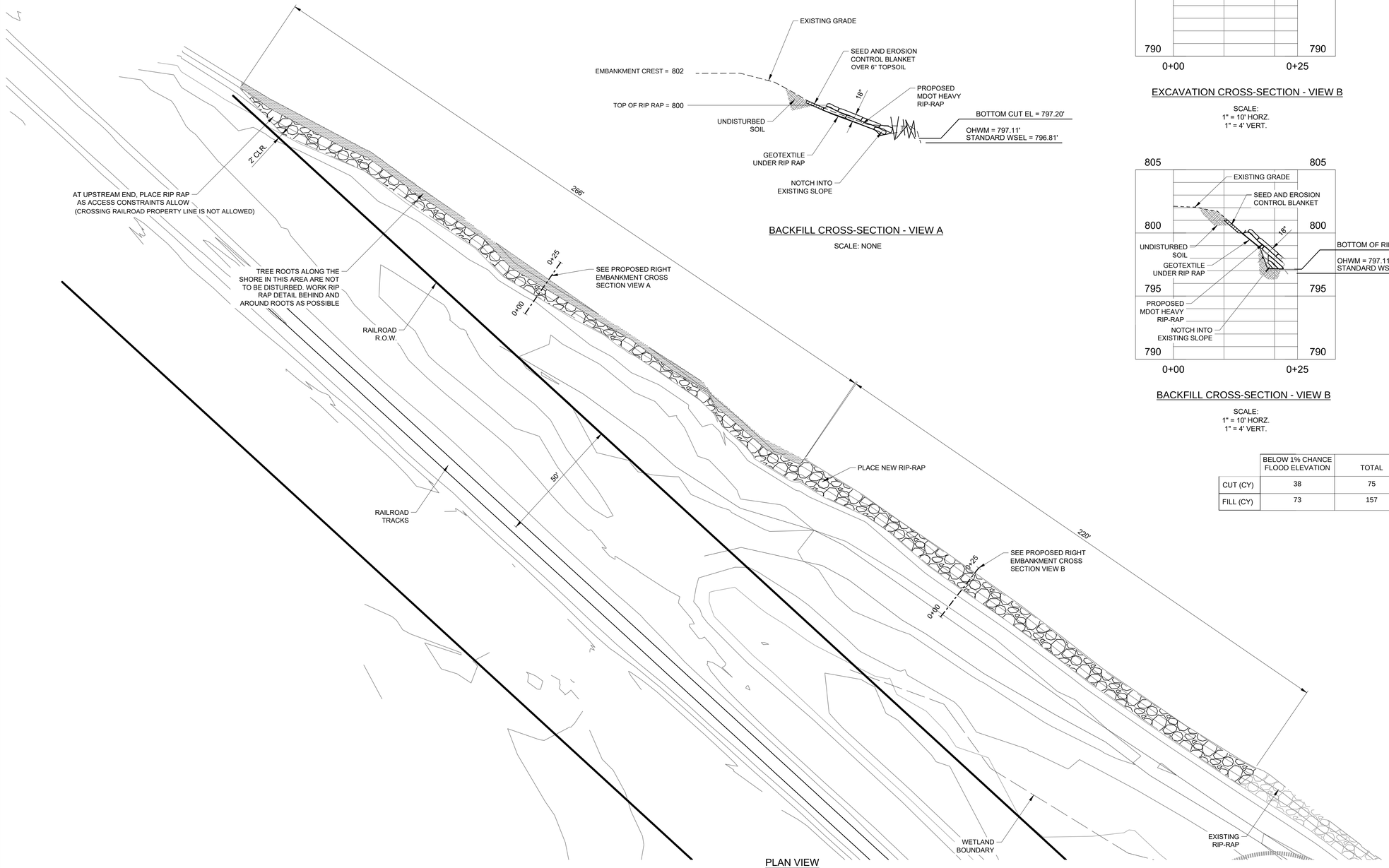
Title

LEFT EMBANKMENT
RIP-RAP & CREST IMPROVEMENTS

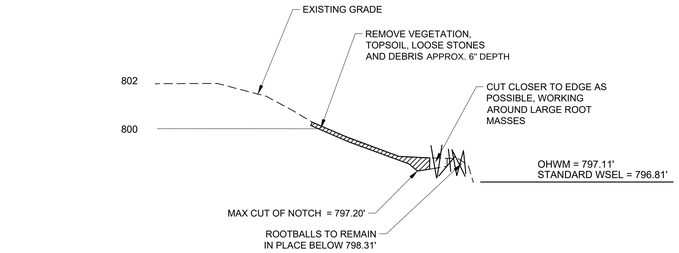
Project No. 2075151516
Scale AS NOTED
Revision 0
Sheet 1 of 4
Drawing No. C-01

EGLE
WRP048132 v1.0
Approved
Issued On:03/04/2026
Expires On:03/04/2031

ORIGINAL SHEET - ARCH D



PLAN VIEW
SCALE: 1" = 20'

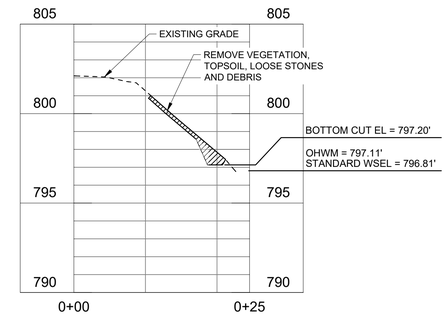


EXCAVATION CROSS-SECTION - VIEW A

SCALE: NONE

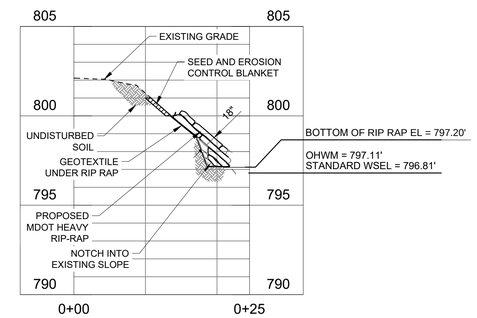
BACKFILL CROSS-SECTION - VIEW A

SCALE: NONE



EXCAVATION CROSS-SECTION - VIEW B

SCALE:
1" = 10' HORZ.
1" = 4' VERT.



BACKFILL CROSS-SECTION - VIEW B

SCALE:
1" = 10' HORZ.
1" = 4' VERT.

	BELOW 1% CHANCE FLOOD ELEVATION	TOTAL
CUT (CY)	38	75
FILL (CY)	73	157

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SURVEY DATUM

UNO, ELEVATIONS ARE IN FEET NAVD88. PARENTHETICAL ELEVATIONS (YYZ.ZX) ARE FROM THE 1912 BARTON DESIGN DRAWINGS, WHICH USED A LOCAL DATUM.

		By	Appd	YYYY.MM.DD
B	PERMIT PLAN	PJM	PJM	2025.12.31
A	DRAFT PLAN	PJM	PJM	2025.09.11

Issued

File Name: 151516C-02	BWA/EJR	PJM	PJM	2025.08.04
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project
CITY OF ANN ARBOR

BARTON DAM -
PROPOSED ADDITIONAL WORK
FOR INCLUSION IN THE BARTON RIGHT
EMBANKMENT CONSTRUCTION CONTRACT

Title

RIGHT EMBANKMENT
RIP-RAP & CREST IMPROVEMENTS

Project No. 2075151516

Scale AS NOTED

Revision 0

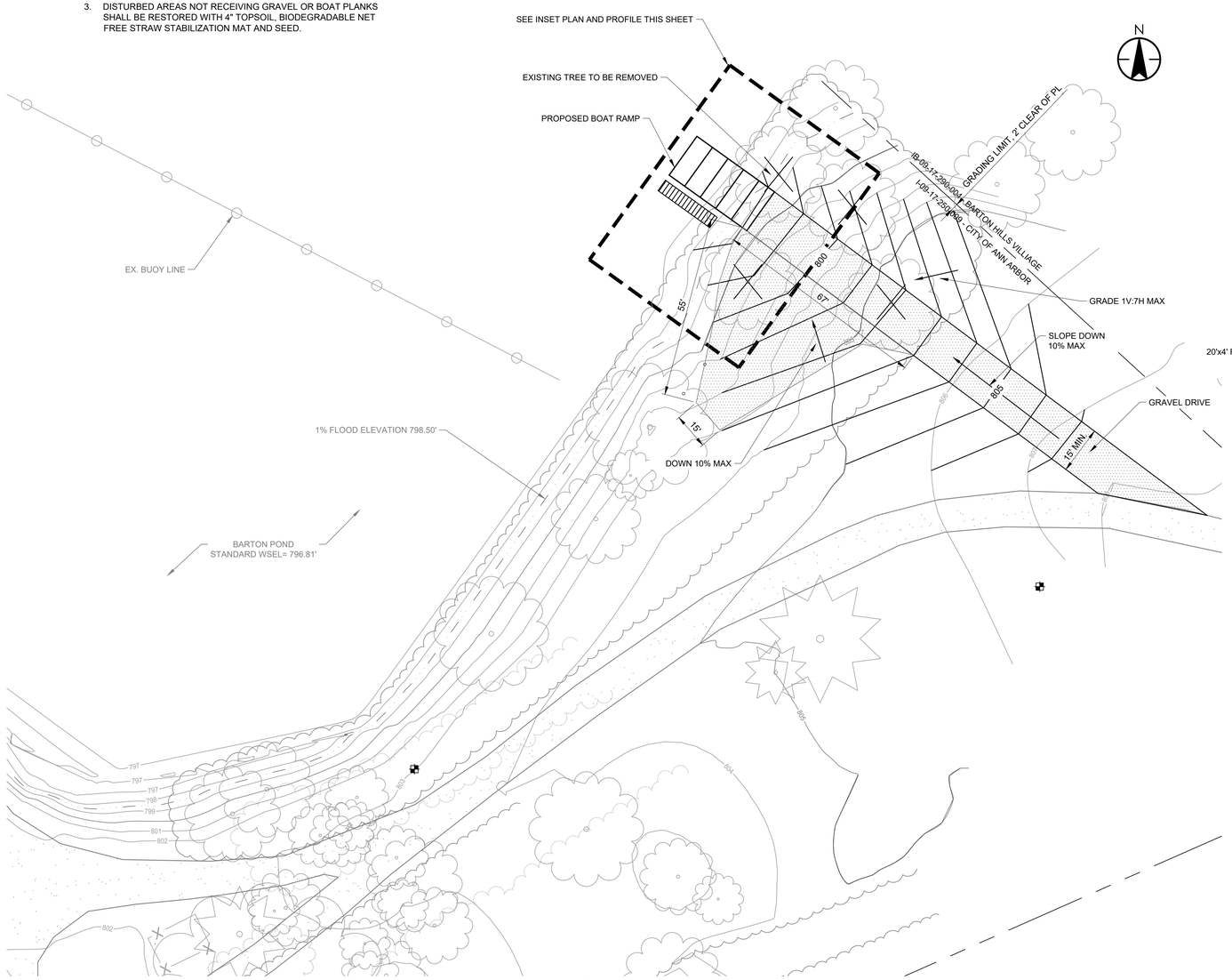
Sheet 2 of 4

Drawing No. C-02

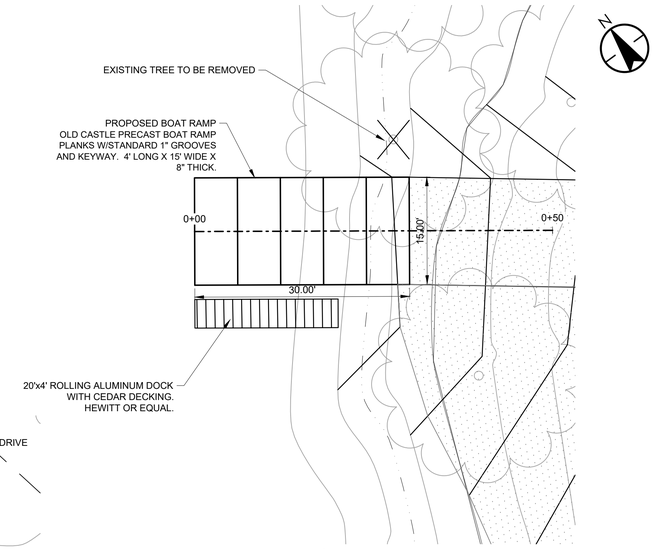
EGLE
WRP048132 v1.0
Approved
Issued On:03/04/2026
Expires On:03/04/2031

ORIGINAL SHEET - ARCH D

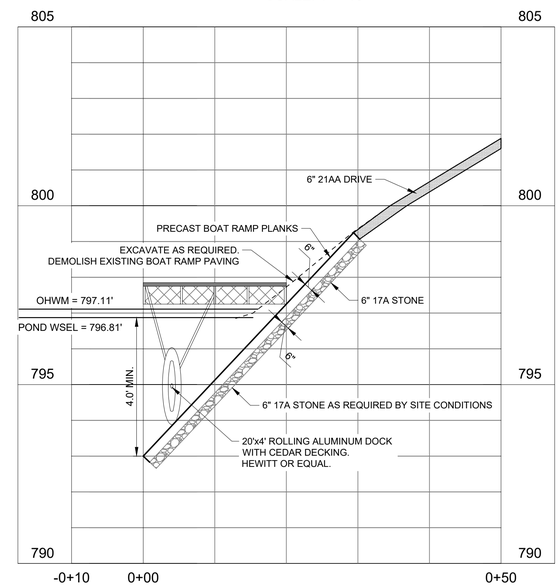
NOTES:
1. DEMOLISH EXISTING BOAT RAMP AND BOLLARDS WITH CHAIN.
2. REMOVE INDICATED TREES AND OTHER VEGETATION AS REQUIRED.
3. DISTURBED AREAS NOT RECEIVING GRAVEL OR BOAT PLANKS SHALL BE RESTORED WITH 4" TOPSOIL, BIODEGRADABLE NET FREE STRAW STABILIZATION MAT AND SEED.



PLAN VIEW
SCALE: 1" = 20'



INSET PLAN VIEW
SCALE: 1" = 10'



PROFILE VIEW
SCALE:
1" = 10' HORZ.
1" = 2' VERT.

CUT/FILL BELOW 1% FLOOD ELEVATION	
CUT (CY)	0
FILL (CY)	16

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Notes

SURVEY DATUM

UNO, ELEVATIONS ARE IN FEET NAVD88.

		By	Appd	YYYY.MM.DD
C	PERMIT PLAN (REV. PER EGLE COMMENTS)	P.J.M.	P.J.M.	2026.02.02
B	PERMIT PLAN	P.J.M.	P.J.M.	2025.12.23
A	DRAFT PLAN	P.J.M.	P.J.M.	2025.09.11

Issued

File Name: 151516C-03	JA	NW	PJM	2024.04.01
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo

Client/Project
CITY OF ANN ARBOR

BARTON DAM -
PROPOSED ADDITIONAL WORK
FOR INCLUSION IN THE BARTON RIGHT
EMBANKMENT CONSTRUCTION CONTRACT

Title

BOAT RAMP WITH ACCESS DRIVE

Project No.
2075151516

Scale
0 20' 40'

Revision 0

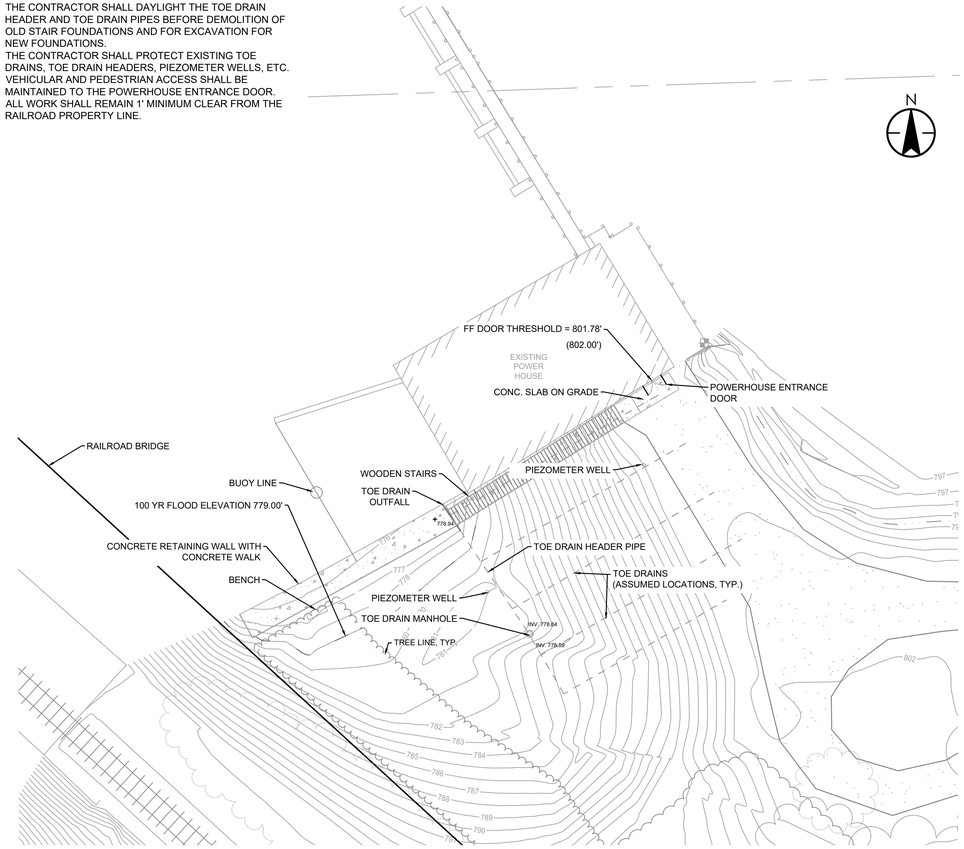
Sheet 3 of 4

Drawing No.
C-03

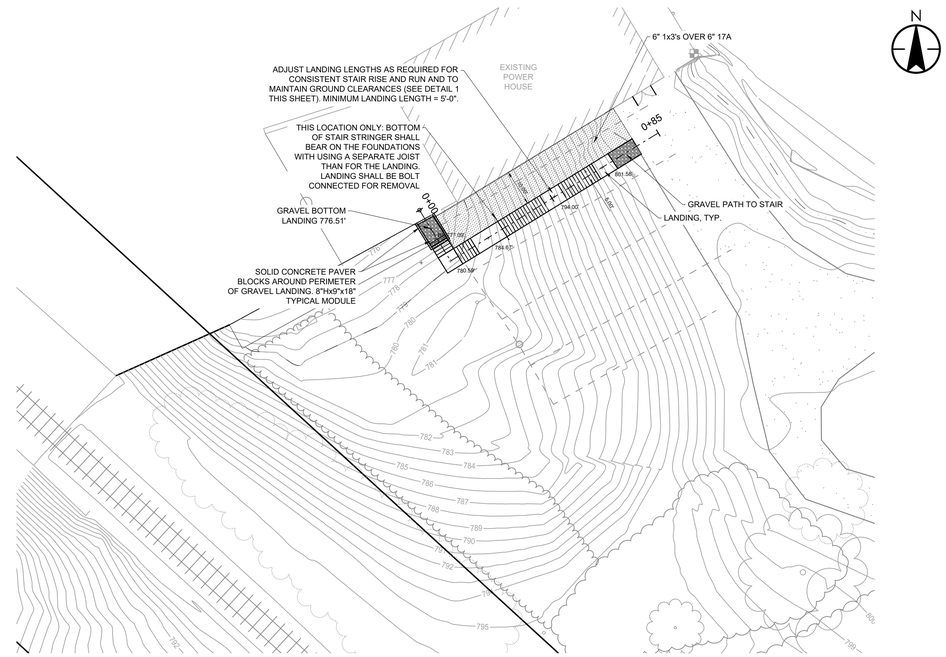
EGLE
WRP048132 v1.0
Approved
Issued On:03/04/2026
Expires On:03/04/2031

u:\207515151\500_barton emplacement - w2\design\drawing\151516c-03
2026.02.02 1:13:59 AM
ORIGINAL SHEET - ARCH D

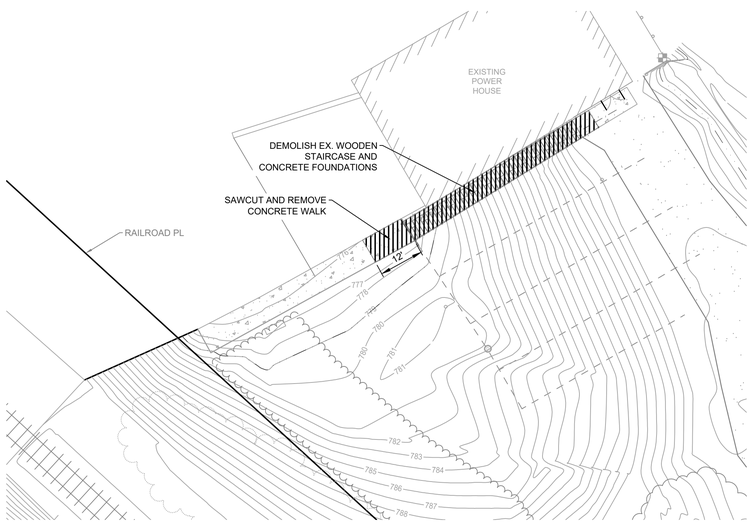
NOTES:
1. THE CONTRACTOR SHALL DAYLIGHT THE TOE DRAIN HEADER AND TOE DRAIN PIPES BEFORE DEMOLITION OF OLD STAIR FOUNDATIONS AND FOR EXCAVATION FOR NEW FOUNDATIONS.
2. THE CONTRACTOR SHALL PROTECT EXISTING TOE DRAINS, TOE DRAIN HEADERS, PIEZOMETER WELLS, ETC.
3. VEHICULAR AND PEDESTRIAN ACCESS SHALL BE MAINTAINED TO THE POWERHOUSE ENTRANCE DOOR.
4. ALL WORK SHALL REMAIN 1' MINIMUM CLEAR FROM THE RAILROAD PROPERTY LINE.



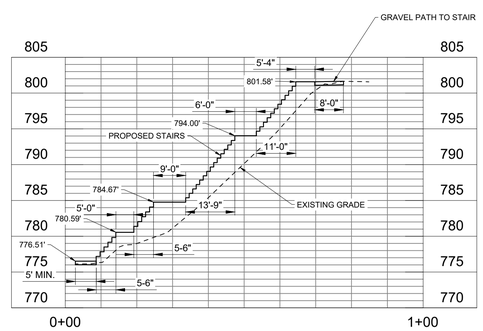
EXISTING CONDITIONS
SCALE: 1" = 20'



PROPOSED IMPROVEMENTS PLAN
SCALE: 1" = 20'

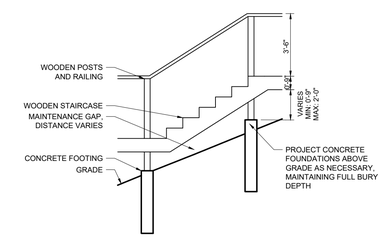


DEMOLITION PLAN
SCALE: 1" = 20'



LEFT EMBANKMENT UPSTREAM SLOPE - PROPOSED CROSS SECTION VIEW
SCALE:
1" = 20' HORZ.
1" = 4' VERT.

CUT/FILL BELOW 1% FLOOD ELEVATION	
CUT (CY)	6
FILL (CY)	6



1 TYPICAL STAIRCASE SECTION
SCALE: 1/4" = 1'-0"

NOTES:
1. REFERENCE THE JANUARY 17, 2025 NTH/DLZ ISSUED FOR CONSTRUCTION DRAWINGS TITLED "BARTON DAM RIGHT EMBANKMENT REMEDIATION PROJECT" FOR STAIR MATERIALS AND CONNECTIONS.
2. WHERE THERE MAY BE A DISCREPANCY, LAYOUT DIMENSIONS AND CLEARANCES FROM THIS SET SHALL OVER-RULE THOSE SHOWN ON THE NTH/DLZ SET.

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SURVEY DATUM

XYZ.XY NAVD88
(ABC.DE) ORIGINAL DATUM

B	PERMIT PLAN	PJM	PJM	2025.12.23
A	DRAFT PLAN	PJM	PJM	2025.09.11
Issued		By	Appd	YYYY.MM.DD
File Name: 151516C-04		BWA	PJM	PJM	2025.08.04
		Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

PRELIMINARY NOT FOR CONSTRUCTION

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Client/Project Logo

Client/Project
CITY OF ANN ARBOR

BARTON DAM -
PROPOSED ADDITIONAL WORK
FOR INCLUSION IN THE BARTON RIGHT
EMBANKMENT CONSTRUCTION CONTRACT

Title
BARTON DAM LEFT EMBANKMENT STAIRS AND RETAINING WALL - CONCEPT

Project No. 2075151516
Scale AS NOTED
Revision 0
Sheet 4 of 4
Drawing No. C-04

EGLE
WRP048132 v1.0
Approved
Issued On:03/04/2026
Expires On:03/04/2031

ORIGINAL SHEET - ARCH D