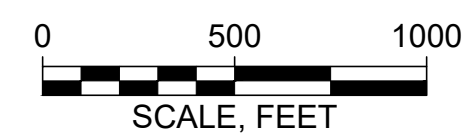


HEMAL LAURA, B/Worship/HURON-CLINTON METROPOLITAN AUTHORITY 2302140 Flat Rock - Huron Dam Removal Feasibility Study/300_CAD/Design/Sheets/01 - Existing Conditions - Plan Profile and Cross Section.dwg - 4/21/2024



OAKWOODS METROPARK EXTENTS
(SOURCE: HCMA PARK WEBSITE)



Attention:
0 1"
If this scale bar does not measure 1" then drawing is not original scale.

DRAFT

Designed: LH
 Drawn: LH
 Checked: SP
 Approved: JM
 P.E. No: 6201066931
 GEI Project 2302140



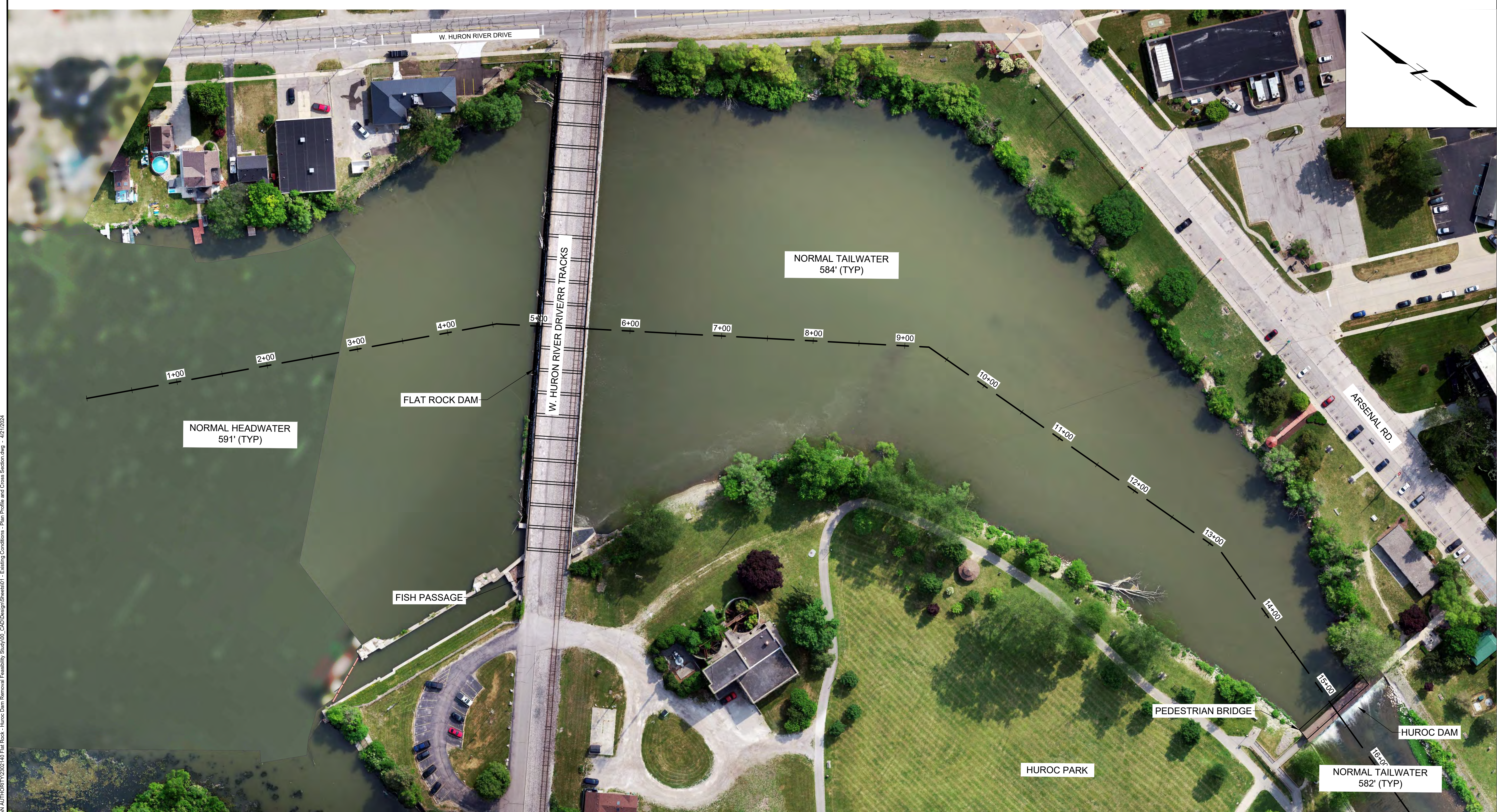
**FLAT ROCK/HUROC DAM
DISPOSITION FEASIBILITY
STUDY**
FLAT ROCK, MI

NO	DATE	ISSUE/REVISION	APP
0	4/19/2024	CONCEPTUAL	

SHEET NAME
**EXISTING CONDITIONS
PLAN VIEW**

SHEET NO.
1

CONCEPTUAL



HEMAL LAURA, B:\Working\HURON-CLINTON METROPOLITAN AUTHORITY\2021\40 Flat Rock - Huroc Dam Renewal Feasibility Study\00_CADD\Design\Sheets\01 - Existing Conditions - Plan Profile and Cross Section.dwg - 4/21/2024



Attention:
 0 1"
 If this scale bar does not measure 1" then drawing is not original scale.

DRAFT

Designed:	LH
Drawn:	LH
Checked:	SP
Approved:	JM
P.E. No.:	6201066931
GEI Project:	2302140



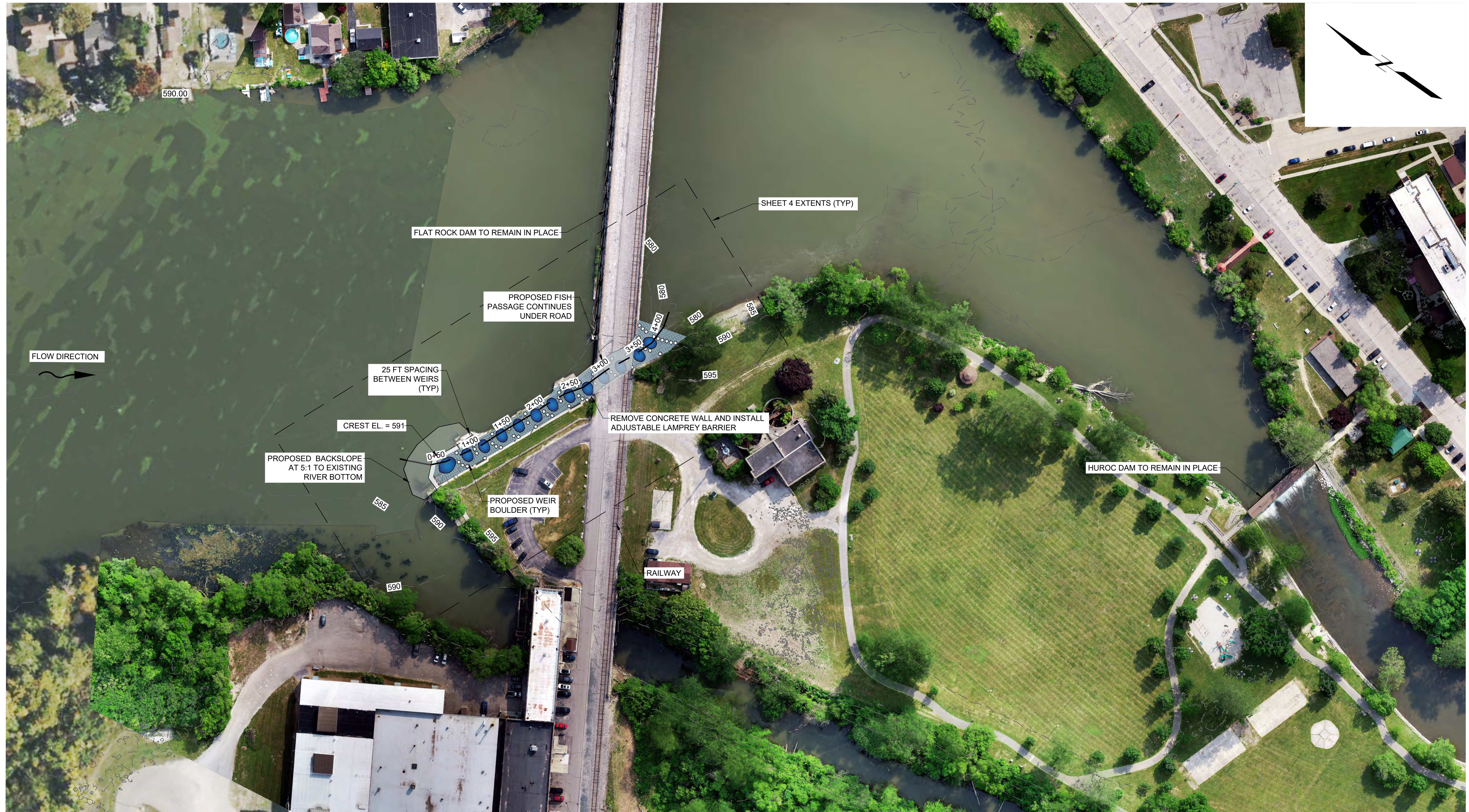
FLAT ROCK/HUROC DAM DISPOSITION FEASIBILITY STUDY
 FLAT ROCK, MI

NO	DATE	ISSUE/REVISION	APP
0	4/19/2024	CONCEPTUAL	

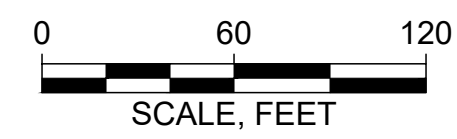
SHEET NAME	SHEET NO.
EXISTING CONDITIONS PLAN VIEW	2

CONCEPTUAL

HEMAL, LAURA, B/Worthington/HURON-CLINTON METROPOLITAN AUTHORITY/2302140 Flat Rock - Huron Dam Removal Feasibility Study/100_CAD/Design/Sheets/02 - Alt 1 - No Action, Fish Passage.dwg - 4/23/2024



CONCEPTUAL



<p>Attention:</p> <p>If this scale bar does not measure 1" then drawing is not original scale.</p> <p style="font-size: 2em; font-weight: bold; margin-top: 20px;">DRAFT</p>	Designed: SP
	Drawn: AP
	Checked: SP
	Approved: JMM
	P.E. No: 6201066931
GEI Project 2302140	



FLAT ROCK/HUROC DAM DISPOSITION FEASIBILITY STUDY
FLAT ROCK, MI

NO	DATE	ISSUE/REVISION	APP
0	4/19/2024	CONCEPTUAL	

SHEET NAME	SHEET NO.
ALTERNATIVE 1 FISH PASSAGE IMPROVEMENT PLAN VIEW	3

HEMAL LAURA, B/Worthington/HURON-CLINTON METROPOLITAN AUTHORITY/2302140 Flat Rock - Huron Dam Removal Feasibility Study/100_CADD/Design/Sheets/02 - Alt 1 - No Action, Fish Passage.dwg - 4/21/2024



- NOTES:**
- POOL SPACING AND DEPTHS WILL BE BASED ON SPECIES-SPECIFIC FISH PASSAGE NEEDS AND MAY VARY FROM THE CONCEPTUAL DESIGN.
 - BOULDER SPACING AND SIZES WILL BE BASED ON HYDRAULIC AND FISH PASSAGE ANALYSIS AND MAY VARY FROM THE CONCEPTUAL DESIGN.
 - ACCEPTABLE VELOCITIES BETWEEN WEIRS AND CHANNEL CROSS-SECTIONAL SHAPE WILL BE BASED ON HYDRAULIC AND FISH PASSAGE ANALYSIS.
 - PRACTICALITY OF MODIFYING BOTTOM ELEVATION ON DOWNSTREAM END OF THE FISH PASSAGE TO BE DETERMINED BY FULL STRUCTURAL ANALYSIS.
 - PRACTICALITY OF INCREASING THE FISH PASSAGE WIDTH TO INCREASE PASSAGE SUCCESS TO BE DETERMINED BY FULL STRUCTURAL ANALYSIS.

CONCEPTUAL



<p>Attention:</p> <p>If this scale bar does not measure 1" then drawing is not original scale.</p> <p style="font-size: 2em; font-weight: bold; margin-top: 20px;">DRAFT</p>	Designed: SP
	Drawn: AP
	Checked: SP
	Approved: JMM
	P.E. No: 6201066931
GEI Project 2302140	

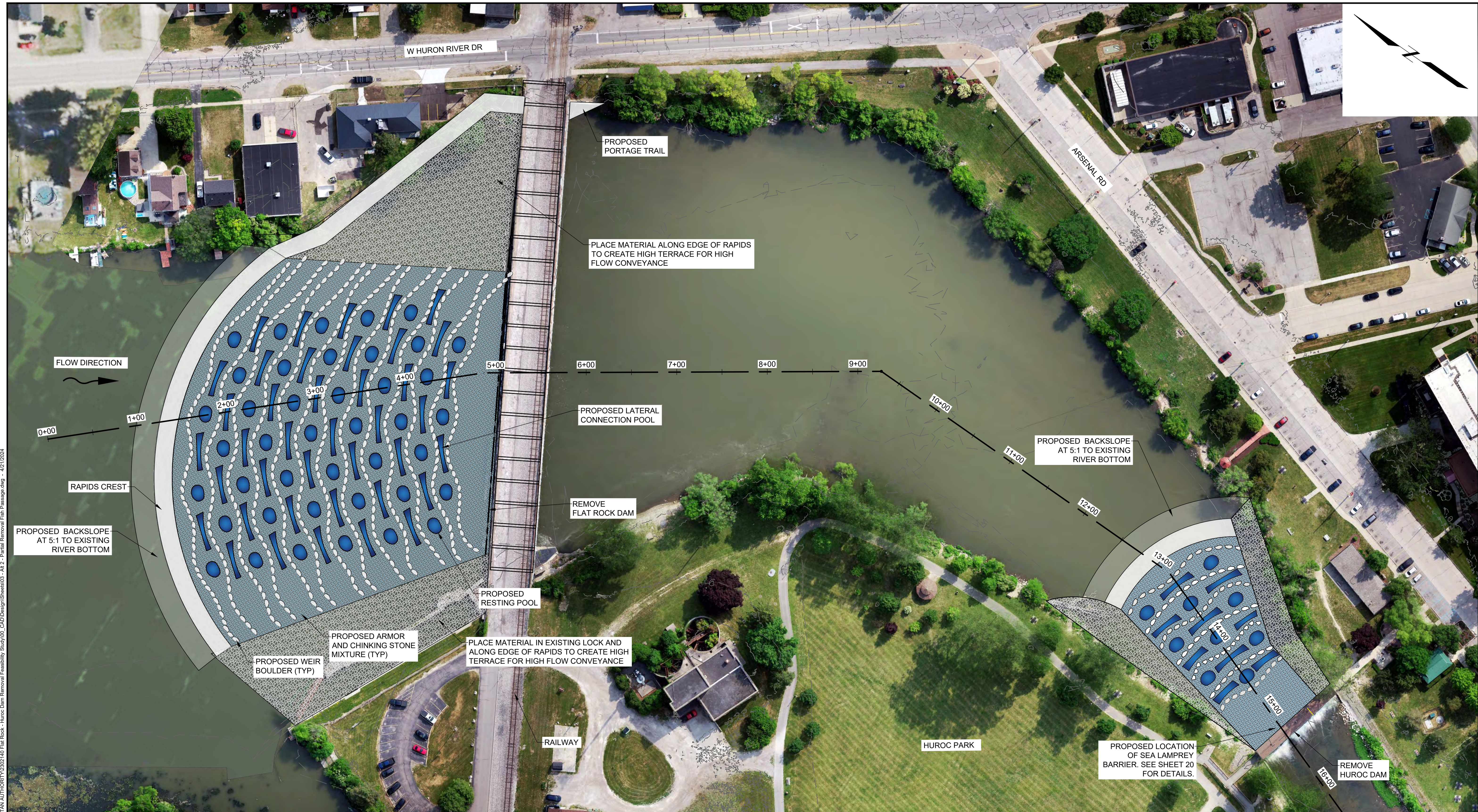


**FLAT ROCK/HUROC DAM
DISPOSITION FEASIBILITY
STUDY**

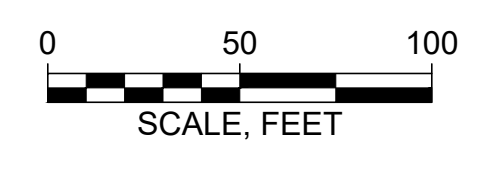
FLAT ROCK, MI

NO	DATE	ISSUE/REVISION	APP
0	4/19/2024	CONCEPTUAL	

SHEET NAME	SHEET NO.
ALTERNATIVE 1 FISH PASSAGE IMPROVEMENT PLAN VIEW	4



HEMAL LAURA, B/Worship/HURON-CLINTON METROPOLITAN AUTHORITY/2302140 Flat Rock - Huroc Dam Removal Feasibility Study/00_CAD/Design/Sheets/03 - Alt 2 - Partial Removal Fish Passage/03.dwg - 4/21/2024



Attention:
0 1"
If this scale bar does not measure 1" then drawing is not original scale.

Designed:	SP
Drawn:	LH
Checked:	SP
Approved:	JM
P.E. No.:	6201066931
GEI Project:	2302140



FLAT ROCK/HUROC DAM DISPOSITION FEASIBILITY STUDY
FLAT ROCK, MI

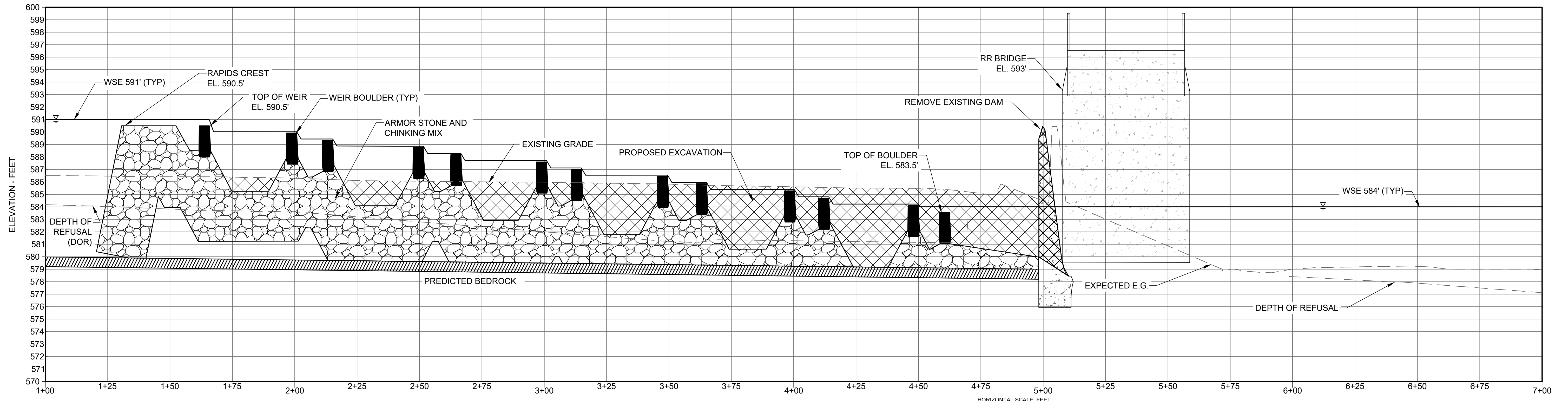
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NO	DATE	ISSUE/REVISION	APP

SHEET NAME
ALTERNATIVE 2 PARTIAL REMOVAL PLAN VIEW

SHEET NO.
6

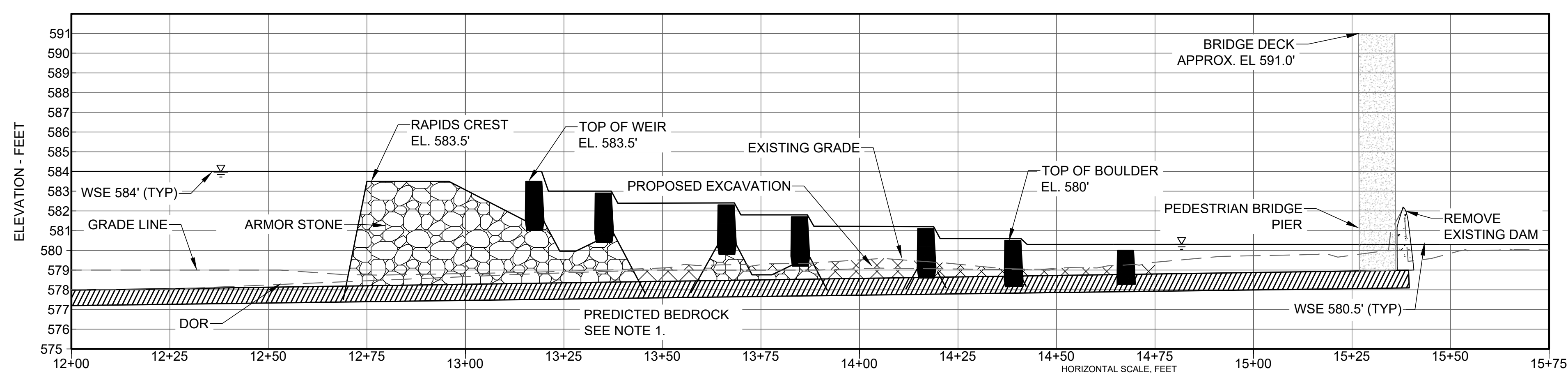
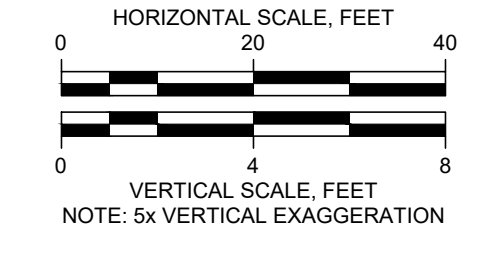
CONCEPTUAL

HEMAL LAURA, B/Worship/HURON-CLINTON METROPOLITAN AUTHORITY/2302140 Flat Rock - Huron Dam Removal/ Feasibility Study/100_CAD/Design/Sheets/03 - Alt 2 - Partial Removal/Flat Rock/2302140 - 4/21/2024



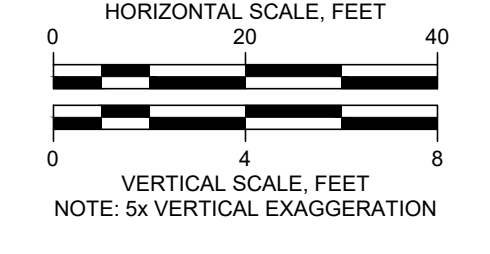
PROFILE VIEW

FLAT ROCK DAM



PROFILE VIEW

HUROC DAM



NOTE 1. PREDICTED BEDROCK DEPTH IS BASED ON HISTORIC DATA AND LIMITED DEPTH OF REFUSAL COLLECTION. IF THIS ALTERNATIVE IS SELECTED, FURTHER INVESTIGATION OF THE BEDROCK IS RECOMMENDED.

<p>Attention:</p> <p>If this scale bar does not measure 1" then drawing is not original scale.</p>	DRAFT
	Designed: SP
	Drawn: LH
	Checked: SP
	Approved: JM
P.E. No: 6201066931	
GEI Project: 2302140	



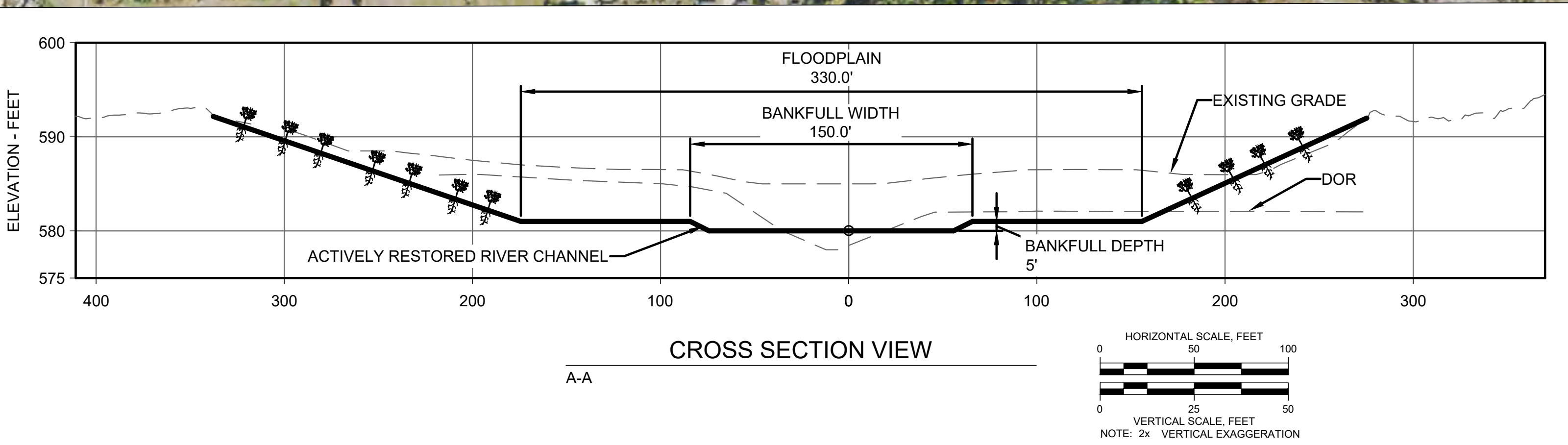
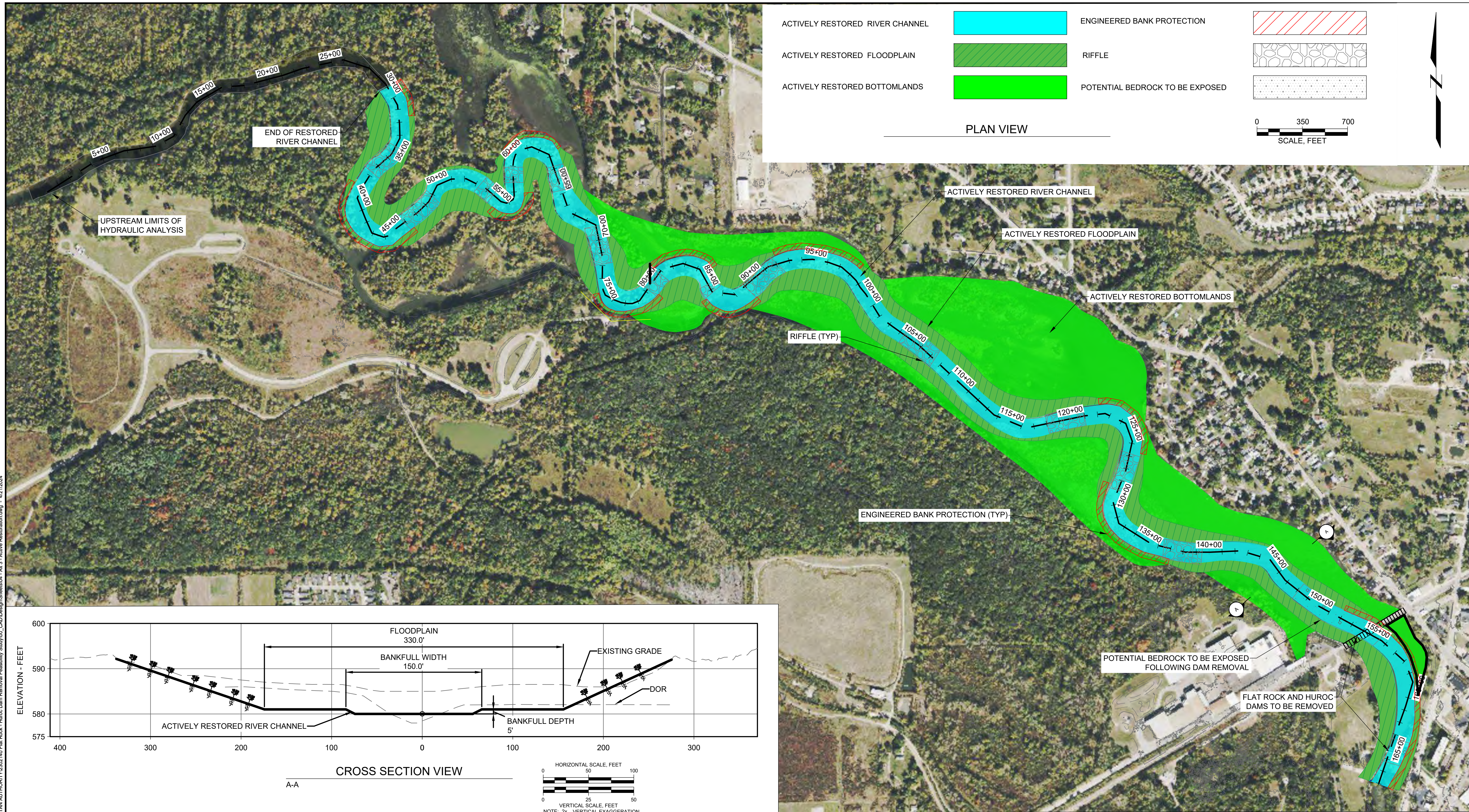
**FLAT ROCK/HUROC DAM
DISPOSITION FEASIBILITY
STUDY**
FLAT ROCK, MI

0	4/19/2024	CONCEPTUAL	
NO	DATE	ISSUE/REVISION	APP

SHEET NAME	SHEET NO.
ALTERNATIVE 2 PARTIAL REMOVAL PROFILE VIEW	7

CONCEPTUAL

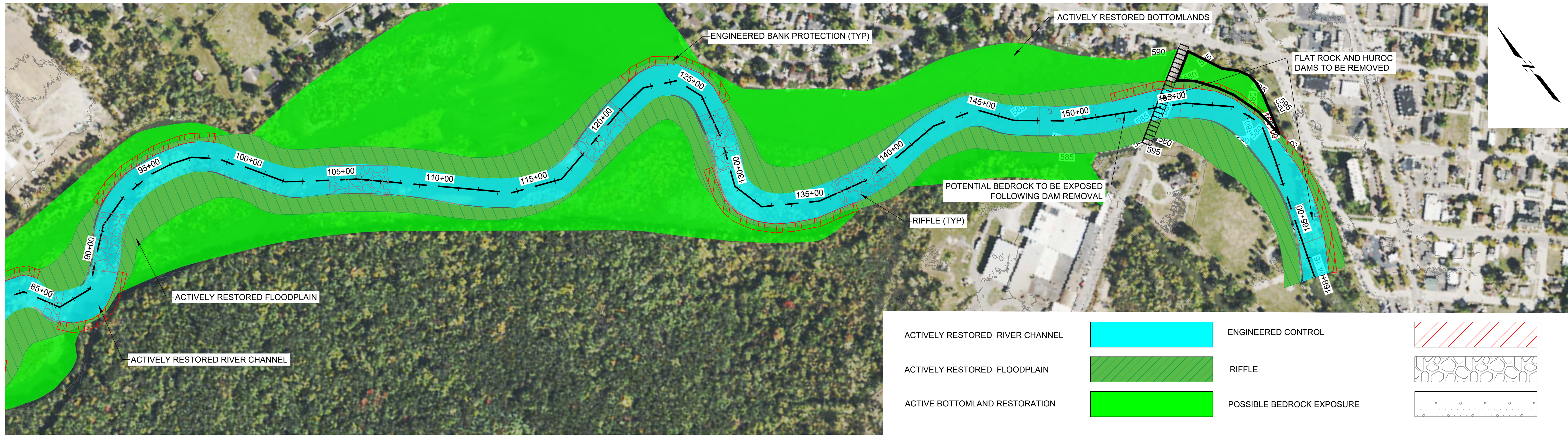
HEMAL LAURA, B/Worship/HURON-CLINTON METROPOLITAN AUTHORITY 2302140 Flat Rock - Huron Dam Removal Feasibility Study/100_CADD/Design/Sheet/04 - Alt 3 - Active Restoration/100 - 4/21/2024



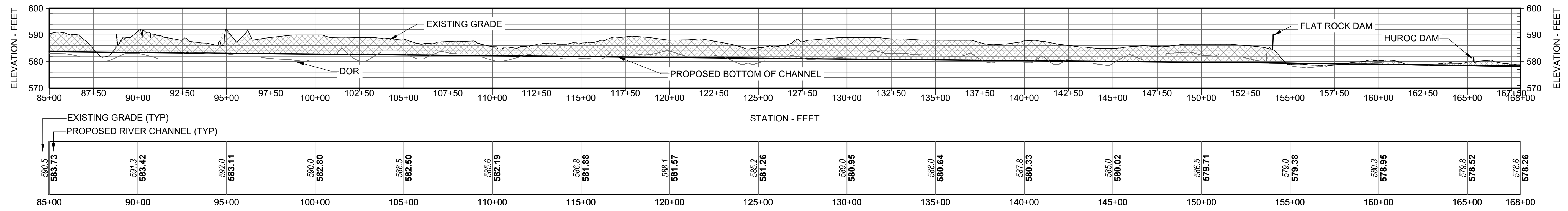
CONCEPTUAL

<p>Attention:</p> <p>If this scale bar does not measure 1" then drawing is not original scale.</p>	DRAFT	<p>Designed: JM</p> <p>Drawn: MG</p> <p>Checked: SP</p> <p>Approved: JM</p> <p>P.E. No: 6201066931</p> <p>GEI Project 2302140</p>	<p>GEI CONSULTANTS OF MICHIGAN, P.C. 9282 GENERAL DRIVE SUITE 180 PLYMOUTH, MI 48170 (734)660-1600</p>	<p>HURON-CLINTON METROPOLITAN AUTHORITY</p>	<p>FLAT ROCK/HUROC DAM DISPOSITION FEASIBILITY STUDY</p> <p>FLAT ROCK, MI</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">4/19/2024</td> <td style="text-align: center;">CONCEPTUAL</td> <td style="text-align: center;"></td> </tr> <tr> <td style="text-align: center;">NO</td> <td style="text-align: center;">DATE</td> <td style="text-align: center;">ISSUE/REVISION</td> <td style="text-align: center;">APP</td> </tr> </table>					0	4/19/2024	CONCEPTUAL		NO	DATE	ISSUE/REVISION	APP	<p>SHEET NAME</p> <p>ALTERNATIVE 3 DAM REMOVAL WITH FULL RESTORATION PLAN VIEW</p>	<p>SHEET NO.</p> <p>10</p>
0	4/19/2024	CONCEPTUAL																		
NO	DATE	ISSUE/REVISION	APP																	

HEMAL LAURA, B:\Working\HURON-CLINTON METROPOLITAN AUTHORITY\2302140 Flat Rock - Huron Dam Removal\Feasibility Study\00_CAD\Design\Sheets\04 - Alt 3 - Active Restoration.dwg - 4/21/2024



PLAN VIEW
STATION 85+00 TO 168+00
SCALE, FEET

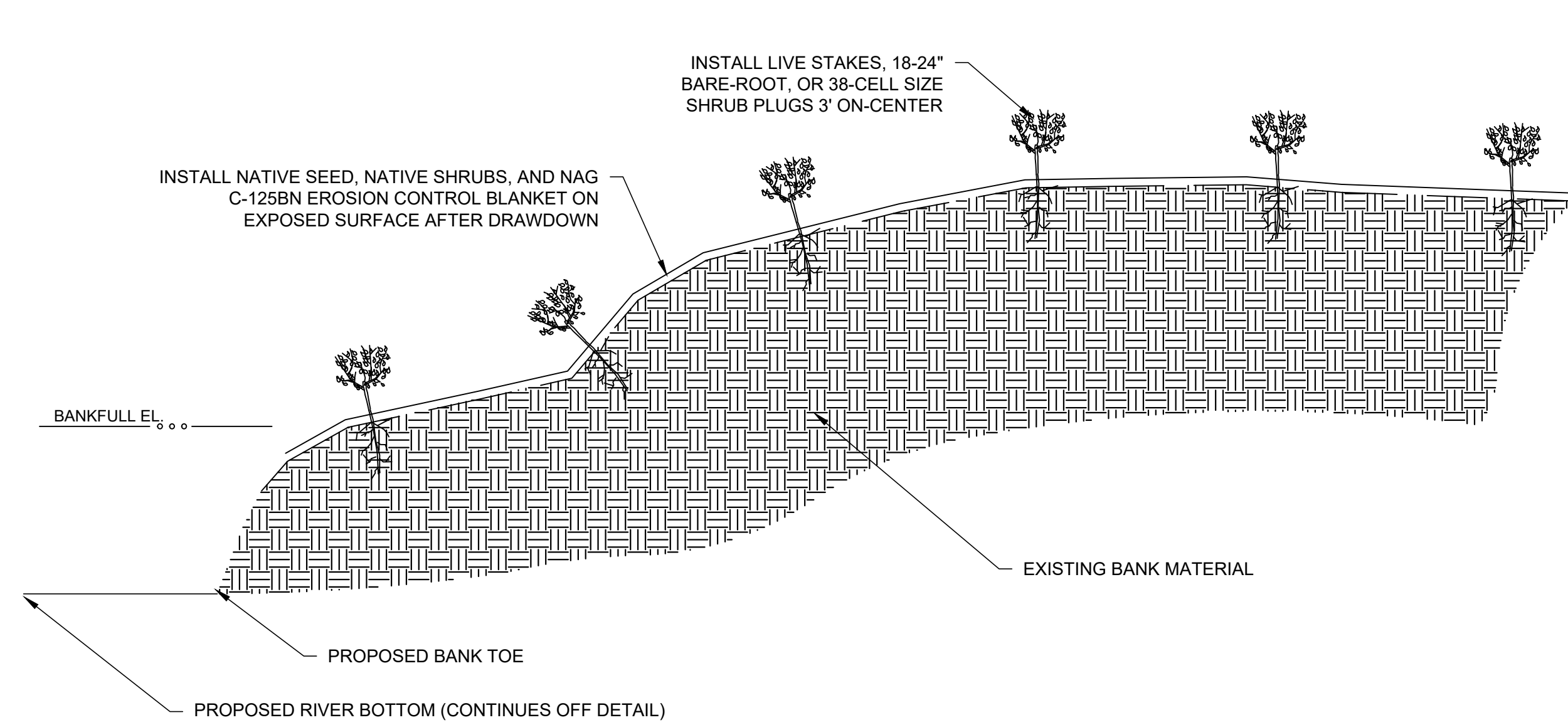


PROFILE VIEW
STATION 85+00 TO 168+00
HORIZONTAL SCALE, FEET
VERTICAL SCALE, FEET
NOTE: 15x VERTICAL EXAGGERATION

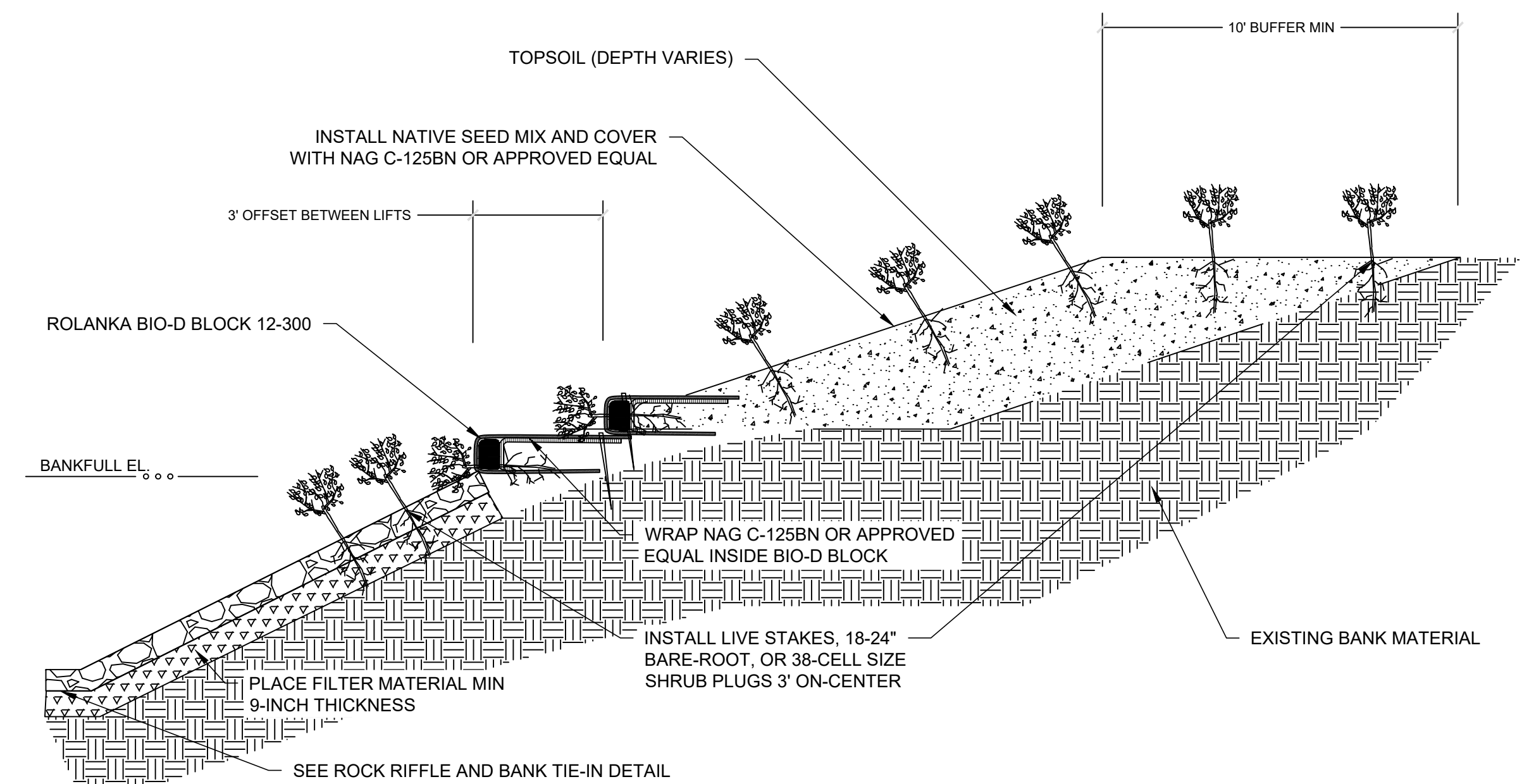
<p>Attention:</p> <p>If this scale bar does not measure 1" then drawing is not original scale.</p>	DRAFT	<p>Designed: JM</p> <p>Drawn: MG</p> <p>Checked: SP</p> <p>Approved: JM</p> <p>P.E. No: 6201066931</p> <p>GEI Project 2302140</p>	<p>GEI CONSULTANTS OF MICHIGAN, P.C. 9282 GENERAL DRIVE SUITE 180 PLYMOUTH, MI 48170 (734)680-1500</p>	<p>HURON-CLINTON METROPOLITAN AUTHORITY</p>	<p>FLAT ROCK/HUROC DAM DISPOSITION FEASIBILITY STUDY</p> <p>FLAT ROCK, MI</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO</th> <th>DATE</th> <th>ISSUE/REVISION</th> <th>APP</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>4/19/2024</td> <td>CONCEPTUAL</td> <td></td> </tr> </tbody> </table>	NO	DATE	ISSUE/REVISION	APP	0	4/19/2024	CONCEPTUAL		<p>SHEET NAME</p> <p>ALTERNATIVE 3 DAM REMOVAL WITH FULL RESTORATION PLAN AND PROFILE 2 OF 2</p>	<p>SHEET NO.</p> <p>12</p>
NO	DATE	ISSUE/REVISION	APP													
0	4/19/2024	CONCEPTUAL														

CONCEPTUAL

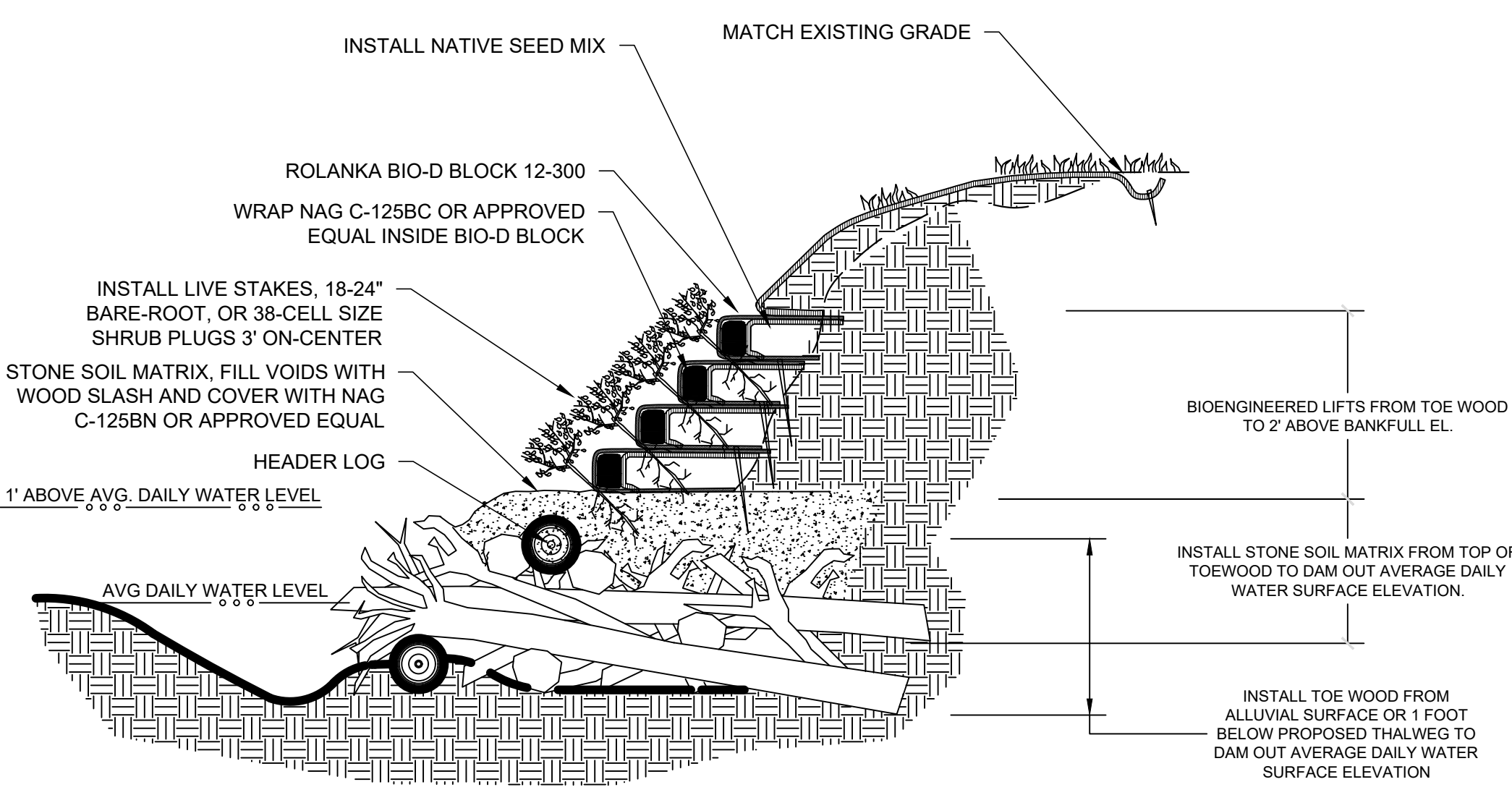
HEMAL LAURA, B|Working|HURON-CLINTON METROPOLITAN AUTHORITY\202140 Flat Rock - Huron Dam Removal Feasibility Study\00_CAD\Design\Sheets\04 - Alt 3 - Active Restoration.dwg - 4/21/2024



1 TYPICAL DETAIL
NON-ENGINEERED BANK PROTECTION NOT TO SCALE



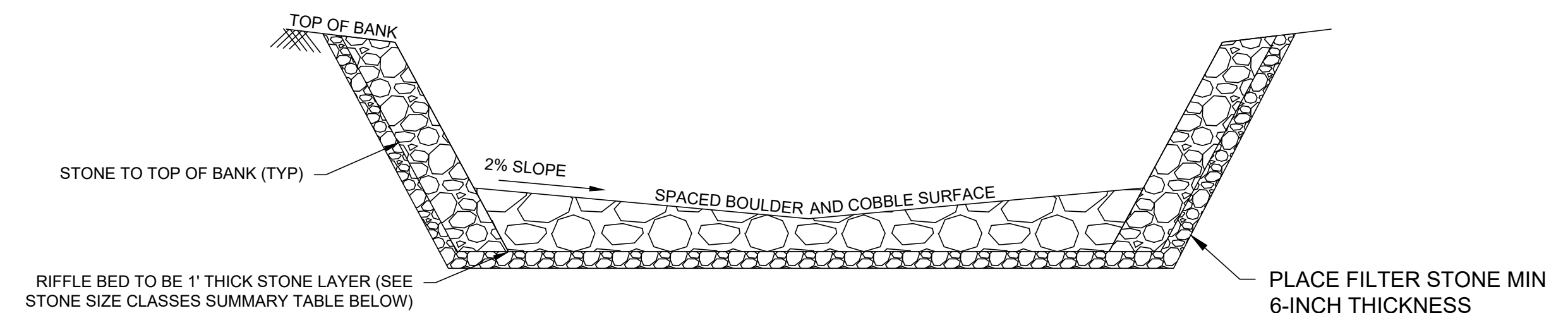
2 TYPICAL DETAIL
ENGINEERED BANK PROTECTION - OPTION 1 NOT TO SCALE



3 TYPICAL DETAIL
ENGINEERED BANK PROTECTION - OPTION 2 NOT TO SCALE

TOEWOOD NOTES:

1. STONE SOIL MATRIX SHALL CONSIST OF EXCAVATED MATERIAL FROM SITE. MAXIMIZE STONE CONTENT TO THE GREATEST EXTENT POSSIBLE. FILL VOIDS IN STONE SOIL MATRIX WITH WOOD SLASH FROM CLEARING AND GRUBBING OPERATIONS.
2. TOP OF SUBMERGED LARGE WOODY DEBRIS SHALL BE BELOW THE AVG. DAILY WATER LEVEL.
3. SUBMERGED LARGE WOODY DEBRIS SHALL BE SOUND AND CONTAIN MATERIAL WITH A DIAMETER GREATER THAN OR EQUAL TO 12" DIAMETER ROOTWADS TO REMAIN ATTACHED TO LARGE WOODY DEBRIS FOR PLACEMENT.
4. STONE (MIN DIA. 12") SHALL BE INCORPORATED INTO 10%-15% OF SUBMERGED LARGE WOODY DEBRIS LAYER.



4 TYPICAL DETAIL
RIFFLER DETAIL NOT TO SCALE

Attention:
0 1"
If this scale bar does not measure 1" then drawing is not original scale.

DRAFT

Designed: SP
Drawn: LH
Checked: SP
Approved: JM
P.E. No: 6201066931
GEI Project: 2302140



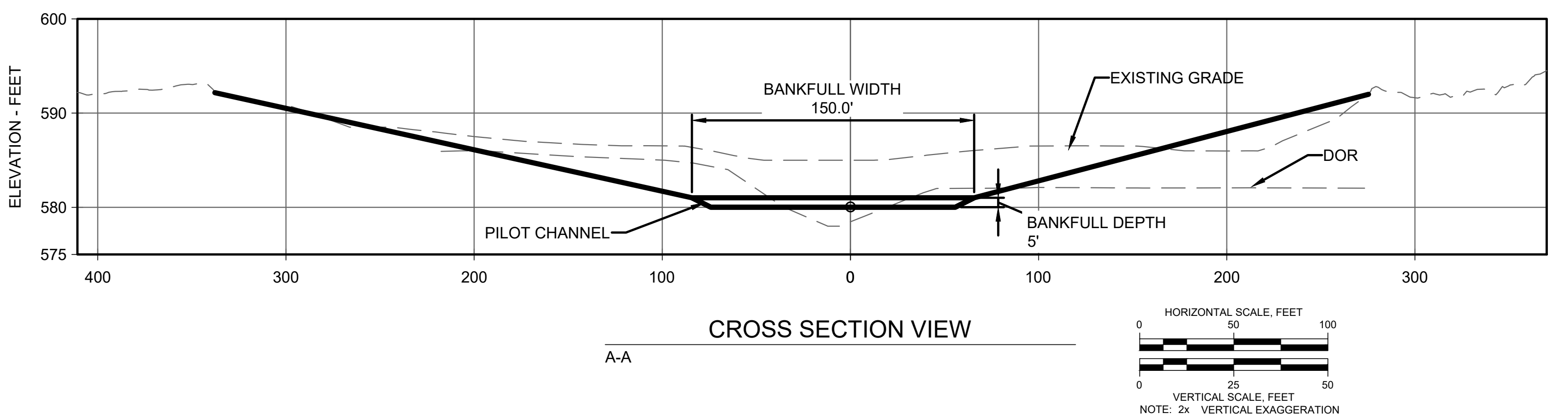
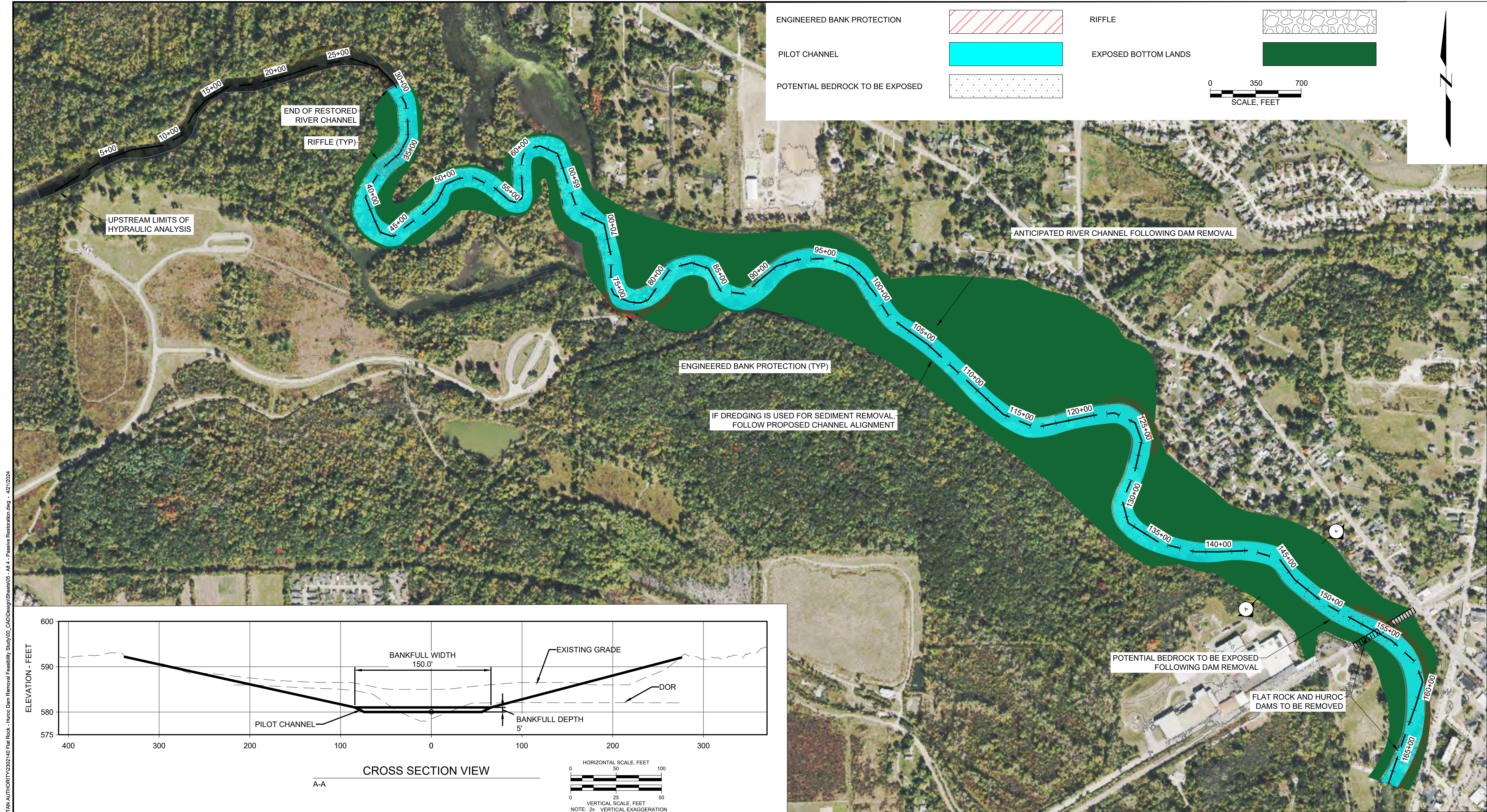
FLAT ROCK/HUROC DAM DISPOSITION FEASIBILITY STUDY
FLAT ROCK, MI

0	4/19/2024	CONCEPTUAL	
NO	DATE	ISSUE/REVISION	APP

SHEET NAME
ALTERNATIVE 3 DAM REMOVAL WITH FULL RESTORATION DETAIL SHEET

SHEET NO.
13

CONCEPTUAL

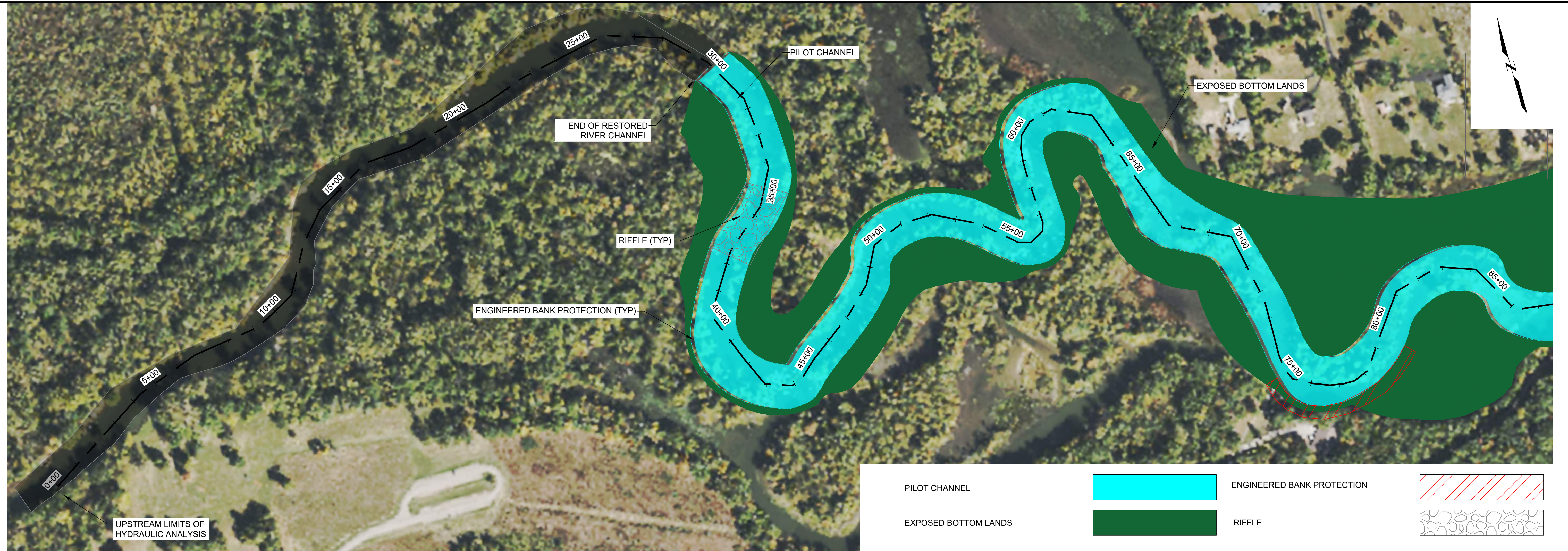


HEMAL LAURA, B/Worthington/HURON-CLINTON METROPOLITAN AUTHORITY/2302140 Flat Rock - Huron Dam Removal Feasibility Study/100_CAD/Design/Sheets/05 - Alt 4 - Passive Restoration.dwg - 4/21/2024

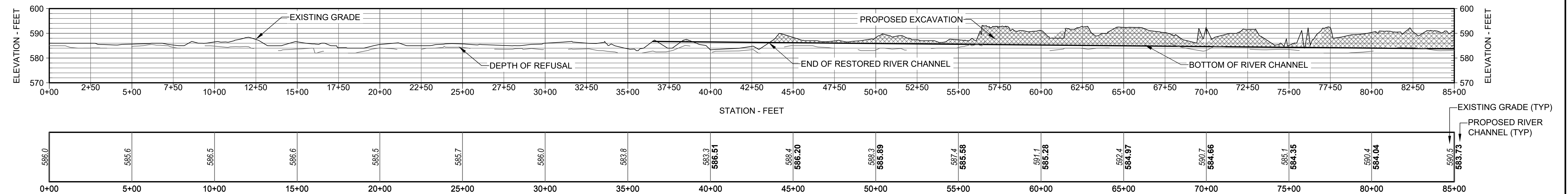
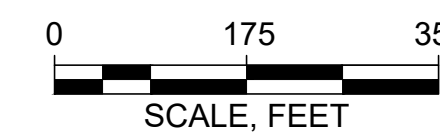
CONCEPTUAL

Attention: If this scale bar does not measure 1" then drawing is not original scale.	DRAFT	Designed: JM Drawn: MG Checked: SP Approved: JM P.E. No: 6201066931 GEI Project: 2302140	 GEI Consultants GEI CONSULTANTS OF MICHIGAN, P.C. 9282 GENERAL DRIVE SUITE 180 PLYMOUTH, MI 48170 (734)686-1600	HURON-CLINTON METROPOLITAN AUTHORITY 	FLAT ROCK/HUROC DAM DISPOSITION FEASIBILITY STUDY FLAT ROCK, MI	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO</th> <th style="width: 15%;">DATE</th> <th style="width: 60%;">ISSUE/REVISION</th> <th style="width: 10%;">APP</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>4/19/2024</td> <td>CONCEPTUAL</td> <td></td> </tr> </tbody> </table>	NO	DATE	ISSUE/REVISION	APP	0	4/19/2024	CONCEPTUAL		SHEET NAME ALTERNATIVE 4 DAM REMOVAL WITH PASSIVE RESTORATION PLAN VIEW	SHEET NO. 14
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0	4/19/2024	CONCEPTUAL														

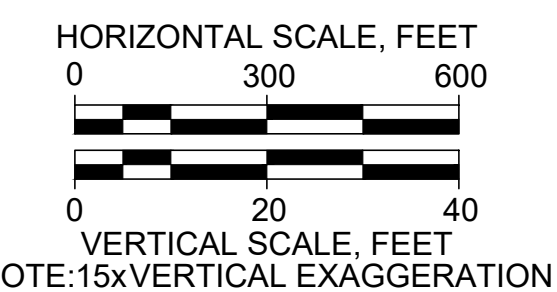
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PLAN VIEW
STATION 00+00 TO 85+00



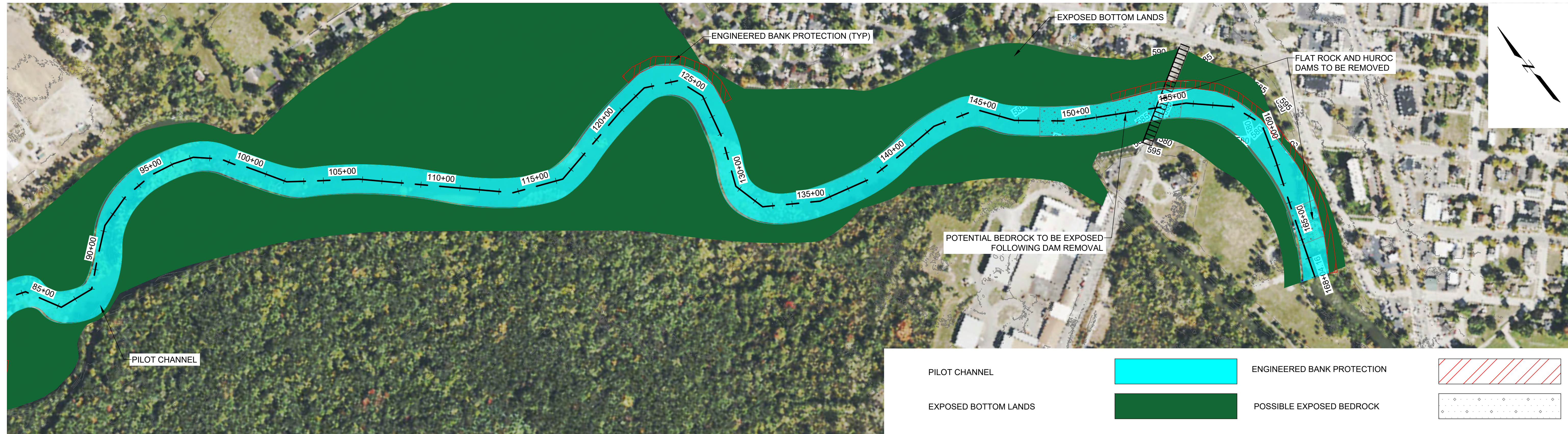
PROFILE VIEW
STATION 00+00 TO 85+00



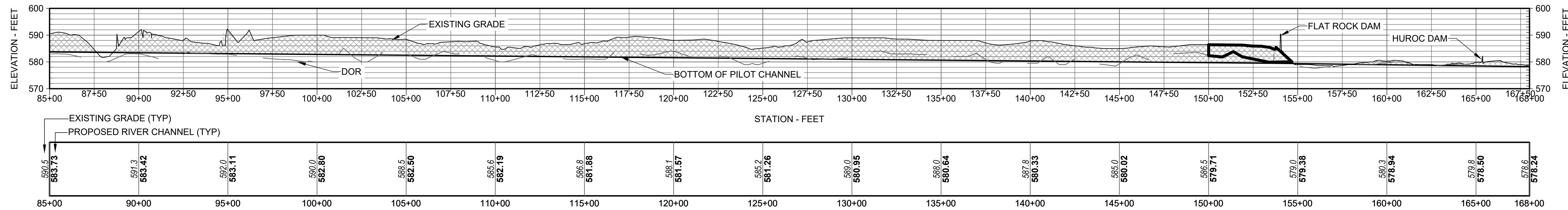
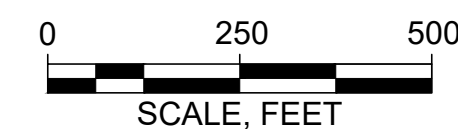
CONCEPTUAL

<p>Attention:</p> <p>If this scale bar does not measure 1" then drawing is not original scale.</p>	DRAFT	Designed: JM	 GEI Consultants <small>GEI CONSULTANTS OF MICHIGAN, P.C. 9282 GENERAL DRIVE SUITE 180 PLYMOUTH, MI 48170 (734)686-1500</small>	 HURON-CLINTON METROPOLITAN AUTHORITY	FLAT ROCK/HUROC DAM DISPOSITION FEASIBILITY STUDY FLAT ROCK, MI					SHEET NAME ALTERNATIVE 4 DAM REMOVAL WITH PASSIVE RESTORATION PLAN AND PROFILE 1 OF 2	SHEET NO. 15
		Drawn: MG									
Checked: SP											
Approved: JM											
P.E. No: 6201066931											
GEI Project 2302140											
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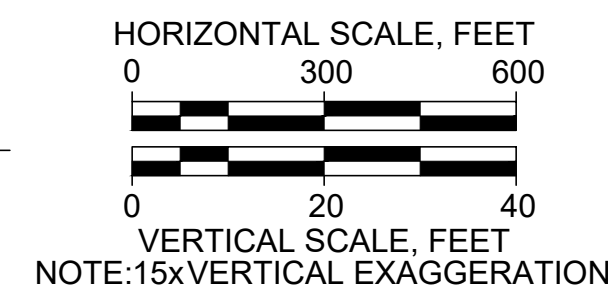
HEMAL LAURA, B|Working|HURON-CLINTON METROPOLITAN AUTHORITY 2302140 Flat Rock - Huron Dam Removal Feasibility Study 00_CAD Design Sheets 05 - Alt 4 - Passive Restoration Plan - 4/21/2024



PLAN VIEW
STATION 85+00 TO 168+00



PROFILE VIEW
STATION 85+00 TO 168+00



Attention:
0 1"

If this scale bar does not measure 1" then drawing is not original scale.

DRAFT

Designed:	JM
Drawn:	MG
Checked:	SP
Approved:	JM
P.E. No.:	6201066931
GEI Project:	2302140

GEI Consultants
9282 GENERAL DRIVE
SUITE 180
PLYMOUTH, MI 48170
(734)680-1500

HURON-CLINTON METROPOLITAN AUTHORITY

FLAT ROCK/HUROC DAM DISPOSITION FEASIBILITY STUDY

FLAT ROCK, MI

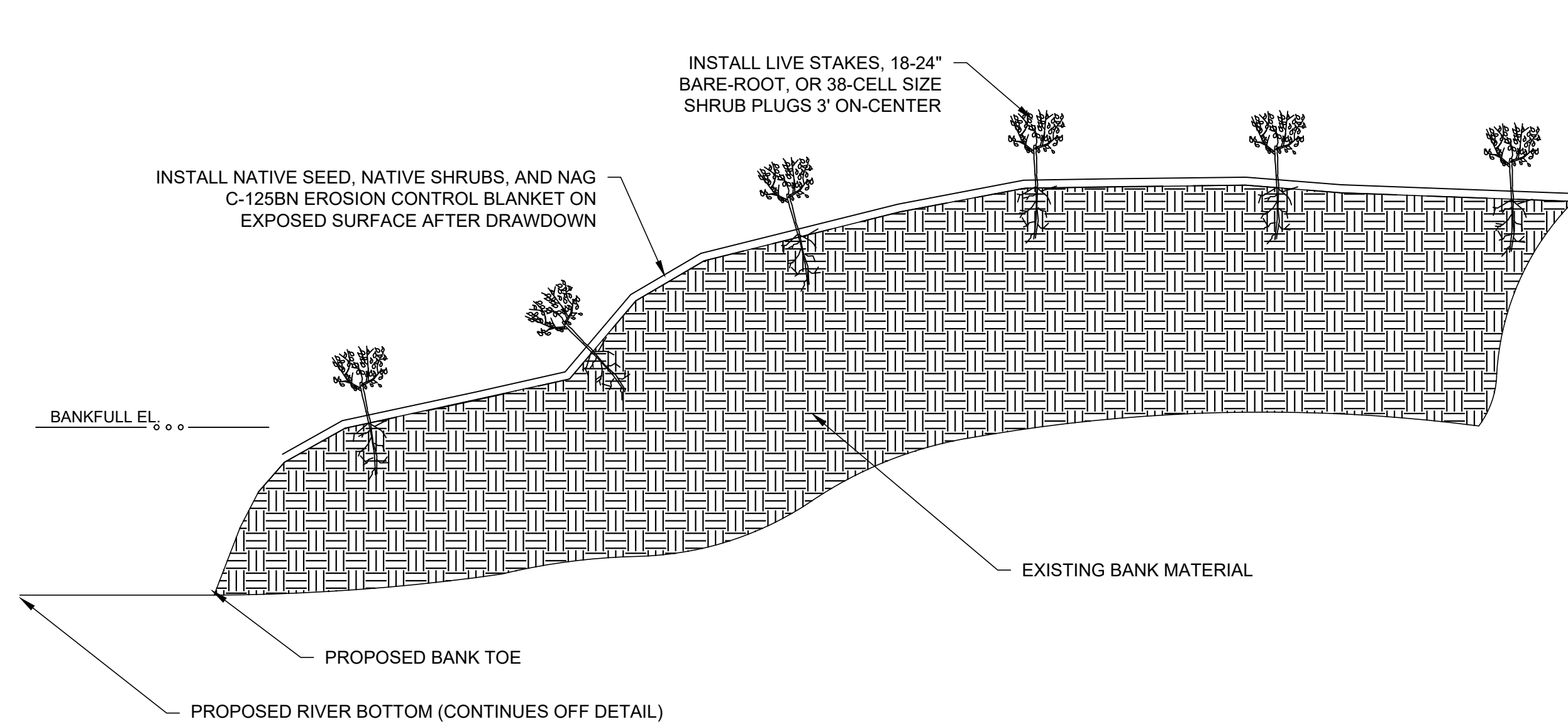
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0	4/19/2024	CONCEPTUAL	

SHEET NAME
ALTERNATIVE 4 DAM REMOVAL WITH PASSIVE RESTORATION PLAN AND PROFILE 2 OF 2

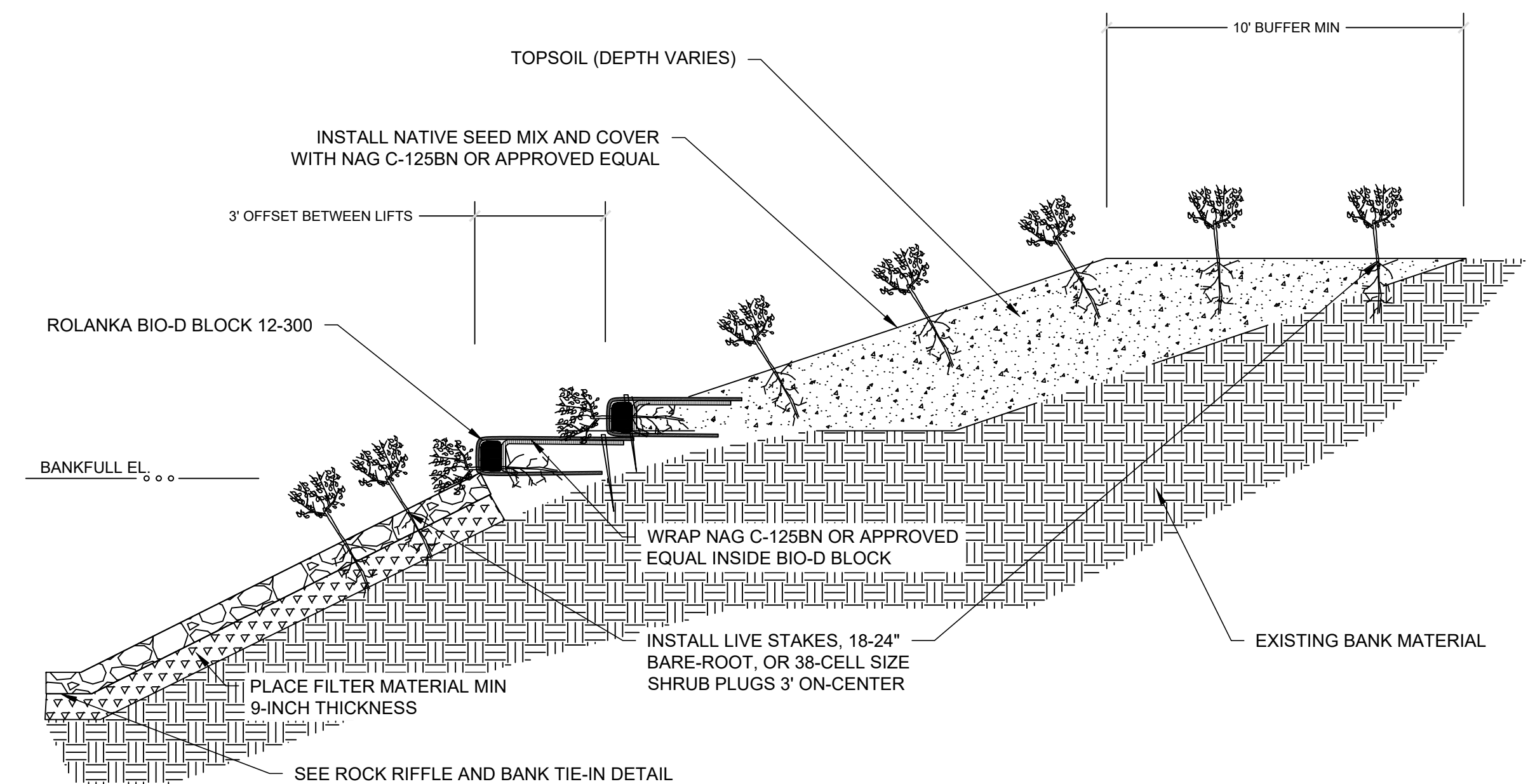
SHEET NO.
16

CONCEPTUAL

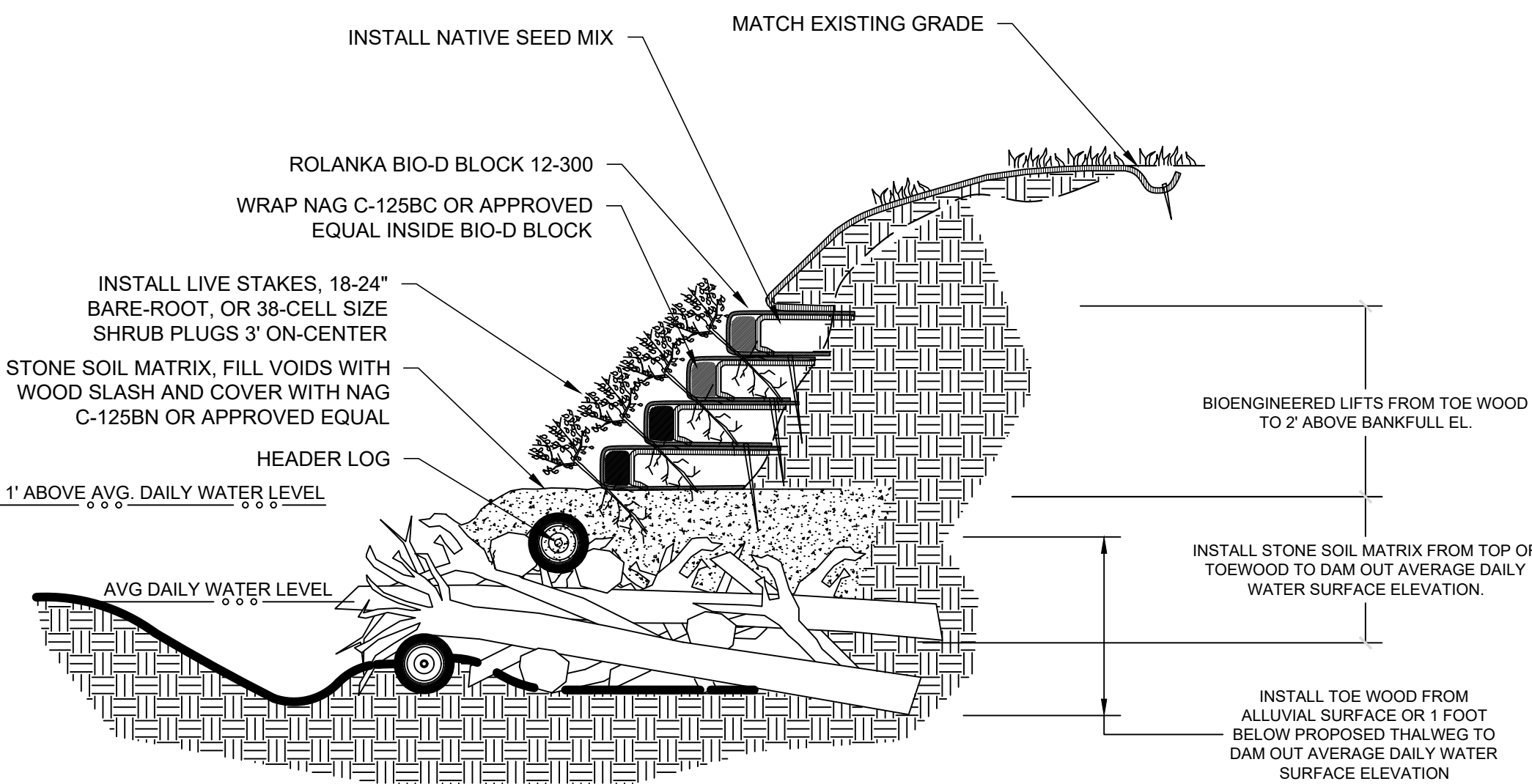
HEMAL LAURA, B|Working|HURON-CLINTON METROPOLITAN AUTHORITY|202140 Flat Rock - Huron Dam Removal Feasibility Study|00_CAD|Design|Sheet|05 - Alt 4 - Passive Restoration|dwg - 4/21/2024



1 TYPICAL DETAIL
NON-ENGINEERED BANK PROTECTION NOT TO SCALE



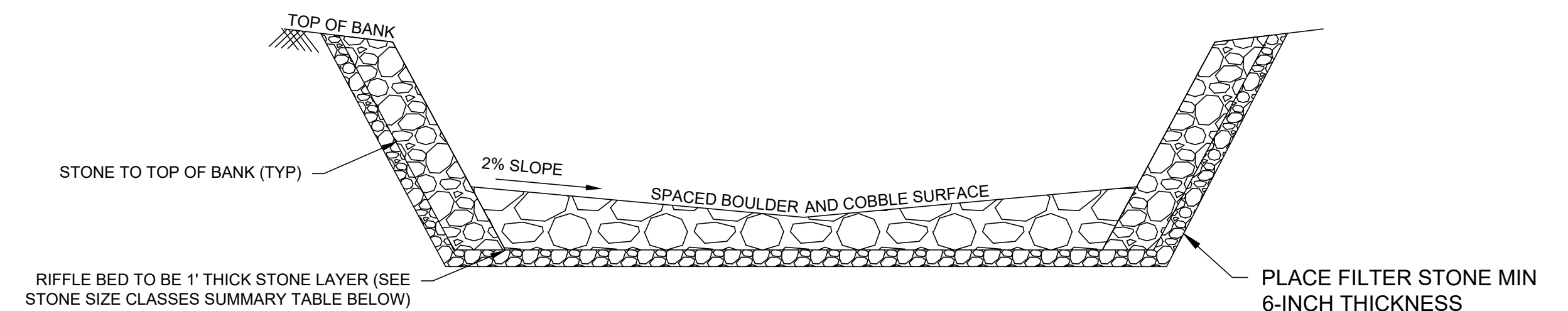
2 TYPICAL DETAIL
ENGINEERED BANK PROTECTION - OPTION 1 NOT TO SCALE



3 TYPICAL DETAIL
ENGINEERED BANK PROTECTION - OPTION 2 NOT TO SCALE

TOEWOOD NOTES:

1. STONE SOIL MATRIX SHALL CONSIST OF EXCAVATED MATERIAL FROM SITE. MAXIMIZE STONE CONTENT TO THE GREATEST EXTENT POSSIBLE. FILL VOIDS IN STONE SOIL MATRIX WITH WOOD SLASH FROM CLEARING AND GRUBBING OPERATIONS.
2. TOP OF SUBMERGED LARGE WOODY DEBRIS SHALL BE BELOW THE AVG. DAILY WATER LEVEL.
3. SUBMERGED LARGE WOODY DEBRIS SHALL BE SOUND AND CONTAIN MATERIAL WITH A DIAMETER GREATER THAN OR EQUAL TO 12" DIAMETER. ROOTWADS TO REMAIN ATTACHED TO LARGE WOODY DEBRIS FOR PLACEMENT.
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4 TYPICAL DETAIL
RIFFLER DETAIL NOT TO SCALE

Attention:
0 1"
If this scale bar does not measure 1" then drawing is not original scale.

DRAFT

Designed: JM
Drawn: LH
Checked: SP
Approved: JM
P.E. No: 6201066931
GEI Project: 2302140



FLAT ROCK/HUROC DAM DISPOSITION FEASIBILITY STUDY
FLAT ROCK, MI

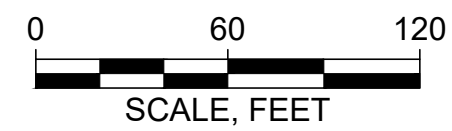
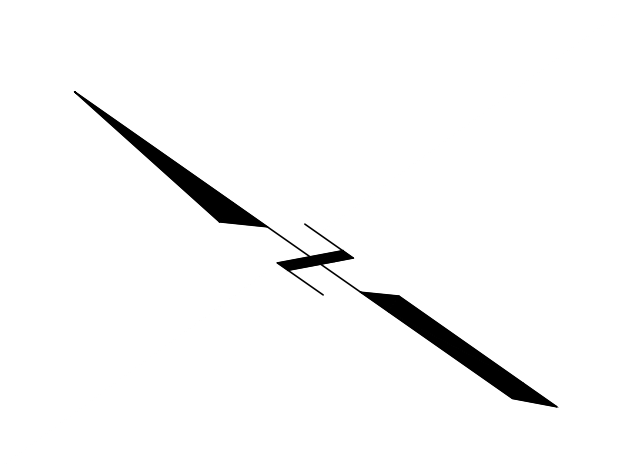
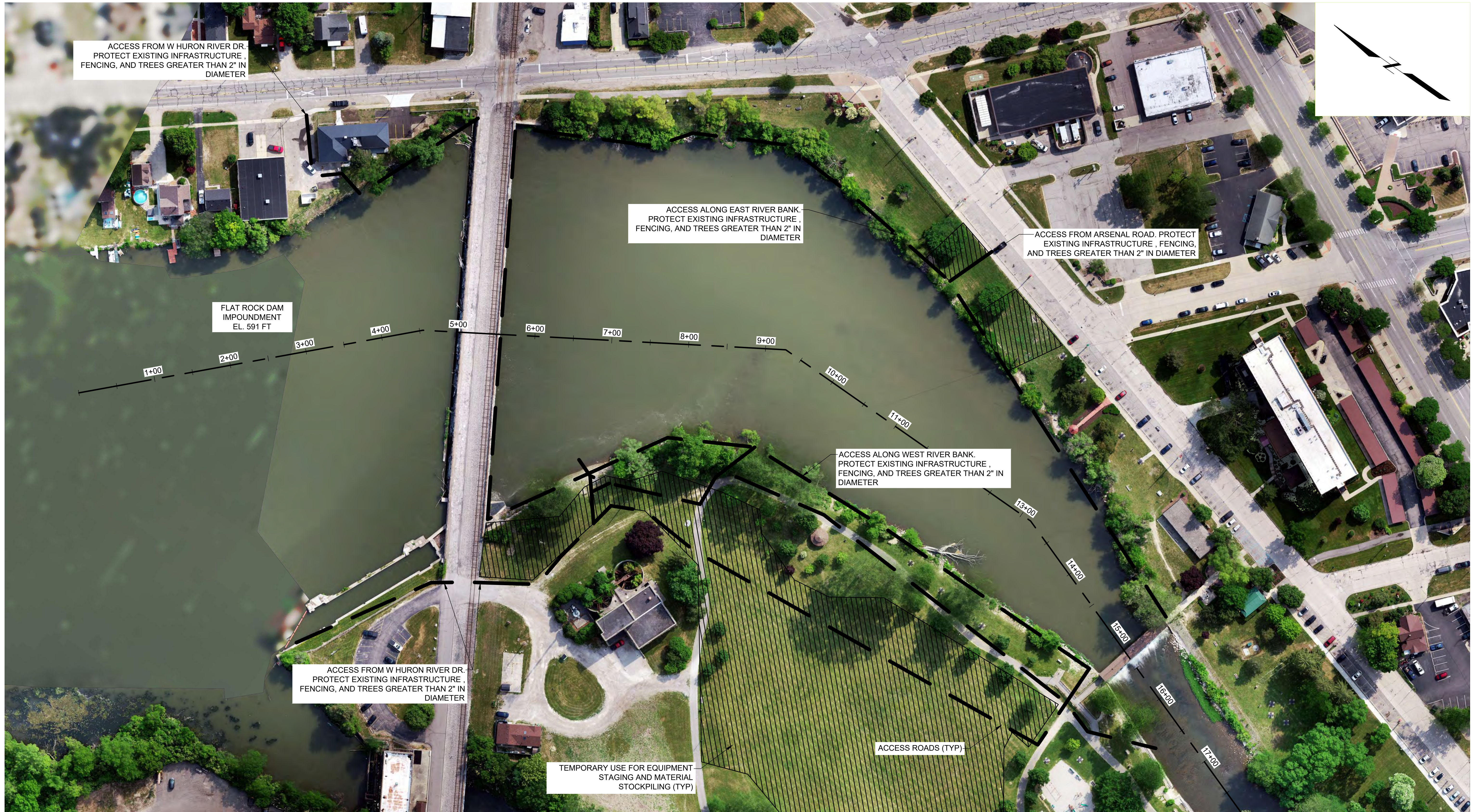
NO	DATE	ISSUE/REVISION	APP
0	4/19/2024	CONCEPTUAL	

SHEET NAME
ALTERNATIVE 4 DAM REMOVAL WITH PASSIVE RESTORATION DETAIL SHEET

SHEET NO.
17

CONCEPTUAL

HEMAL LAURA, B:\Working\HURON-CLINTON METROPOLITAN AUTHORITY\2302140 Flat Rock - Huron Dam Removal Feasibility Study\00_CAD\Design\Sheets\01 - Existing Conditions - Plan Profile and Cross Section.dwg - 4/21/2024



Attention:
 0 1"
 If this scale bar does not measure 1" then drawing is not original scale.

DRAFT

Designed: SP
 Drawn: ZC
 Checked: SP
 Approved: JM
 P.E. No: 6201066931
 GEI Project 2302140



FLAT ROCK/HUROC DAM DISPOSITION FEASIBILITY STUDY
 FLAT ROCK, MI

NO	DATE	ISSUE/REVISION	APP
0	4/19/2024	CONCEPTUAL	

CONCEPTUAL

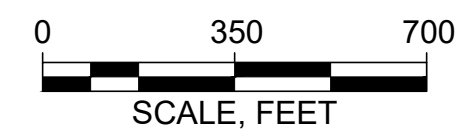
SHEET NAME
CONSTRUCTION LAYDOWN AREAS

SHEET NO.
 18

HEMAL LAURA, B/Worthington/HURON-CLINTON METROPOLITAN AUTHORITY 2302140 Flat Rock - Huron Dam Removal Feasibility Study/300_CAD/Design/Sheets/01 - Existing Conditions - Plan Profile and Cross Section.dwg - 4/21/2024



OAKWOODS METROPARK EXTENTS
(SOURCE: HCMA PARK WEBSITE)



DRAFT	Designed: JM
	Drawn: LH
	Checked: SP
	Approved: JM
	P.E. No: 6201066931
GEI Project 2302140	

Attention:
0 1"
If this scale bar does not measure 1" then drawing is not original scale.



FLAT ROCK/HUROC DAM DISPOSITION FEASIBILITY STUDY
FLAT ROCK, MI

0	4/19/2024	CONCEPTUAL	
NO	DATE	ISSUE/REVISION	APP

SHEET NAME	SHEET NO.
CONSTRUCTION LAYDOWN AREAS	19

CONCEPTUAL

HEMAL LAURA, B:\Working\HURON-CLINTON METROPOLITAN AUTHORITY\2302140 Flat Rock - Huron Dam Removal\Feasibility Study\00_CAD\Design\Sheets\06 - All 3 and 4 Full Removal\Pass and Active Restoration_Sea Lamprey Alternative - 4/21/2024



PLAN VIEW



CONCEPTUAL

<p>Attention:</p> <p>If this scale bar does not measure 1" then drawing is not original scale.</p>	DRAFT
	Designed: MC
	Drawn: SP
	Checked: SP
	Approved: JM
	P.E. No: 6201066931
GEI Project 2302140	

GEI Consultants
 GEI CONSULTANTS OF MICHIGAN, P.C.
 9282 GENERAL DRIVE
 SUITE 180
 PLYMOUTH, MI 48170
 (734)682-1600

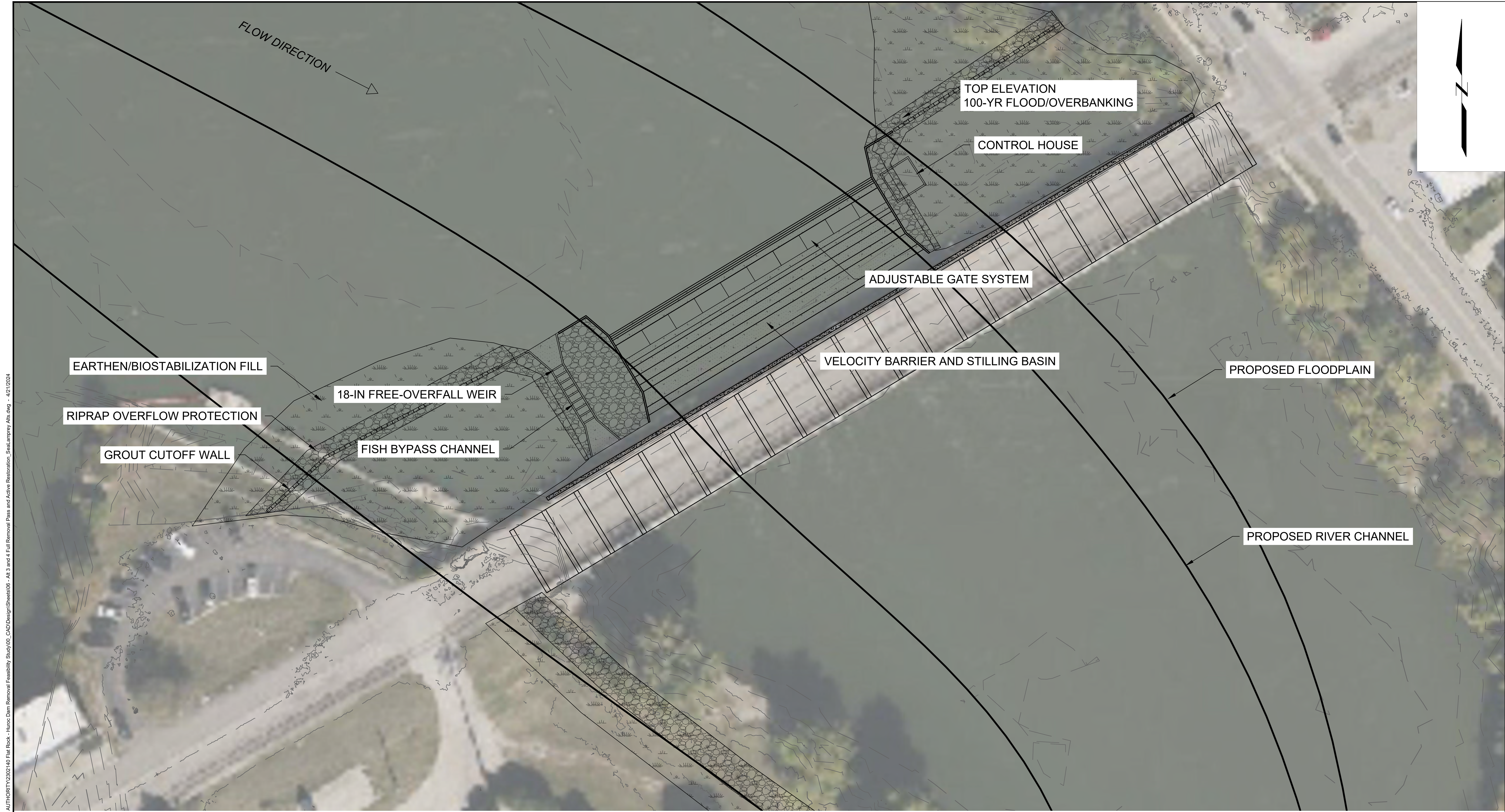
HURON-CLINTON METROPOLITAN AUTHORITY

FLAT ROCK/HUROC DAM DISPOSITION FEASIBILITY STUDY
 FLAT ROCK, MI

NO	DATE	ISSUE/REVISION	APP
0	4/19/2024	CONCEPTUAL	

SHEET NAME
SEA LAMPREY BARRIER AT HUROC ALTERNATIVE A PLAN VIEW

SHEET NO.
 20



HEMAL LAURA, B/Worthington/HURON-CLINTON METROPOLITAN AUTHORITY/2302140 Flat Rock - Huron Dam Removal Feasibility Study/00_CAD/Design/Sheets/06 - All 3 and 4 Full Removal Pass and Active Restoration_Sea Lamprey Als.dwg - 4/21/2024

PLAN VIEW



CONCEPTUAL

<p>Attention:</p> <p>If this scale bar does not measure 1" then drawing is not original scale.</p>	DRAFT	Designed: MS
		Drawn: MS
		Checked: SP
		Approved: JM
		P.E. No: 6201066931
		GEI Project 2302140



**FLAT ROCK/HUROC DAM
DISPOSITION FEASIBILITY
STUDY**
FLAT ROCK, MI

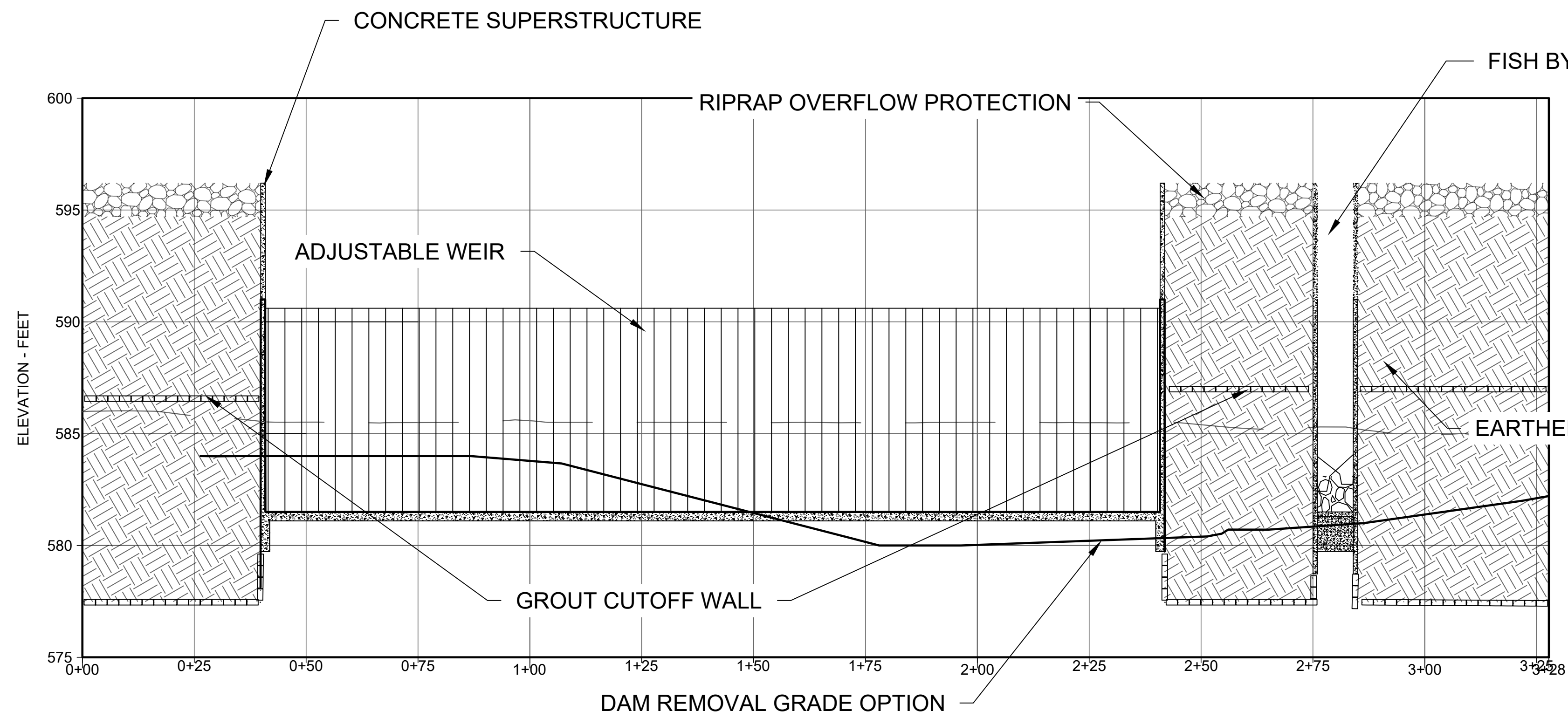
NO	DATE	ISSUE/REVISION	APP
0	4/19/2024	CONCEPTUAL	

SHEET NAME
**SEA LAMPREY
BARRIER AT
FLAT ROCK
ALTERNATIVE B
PLAN VIEW**

SHEET NO.

22

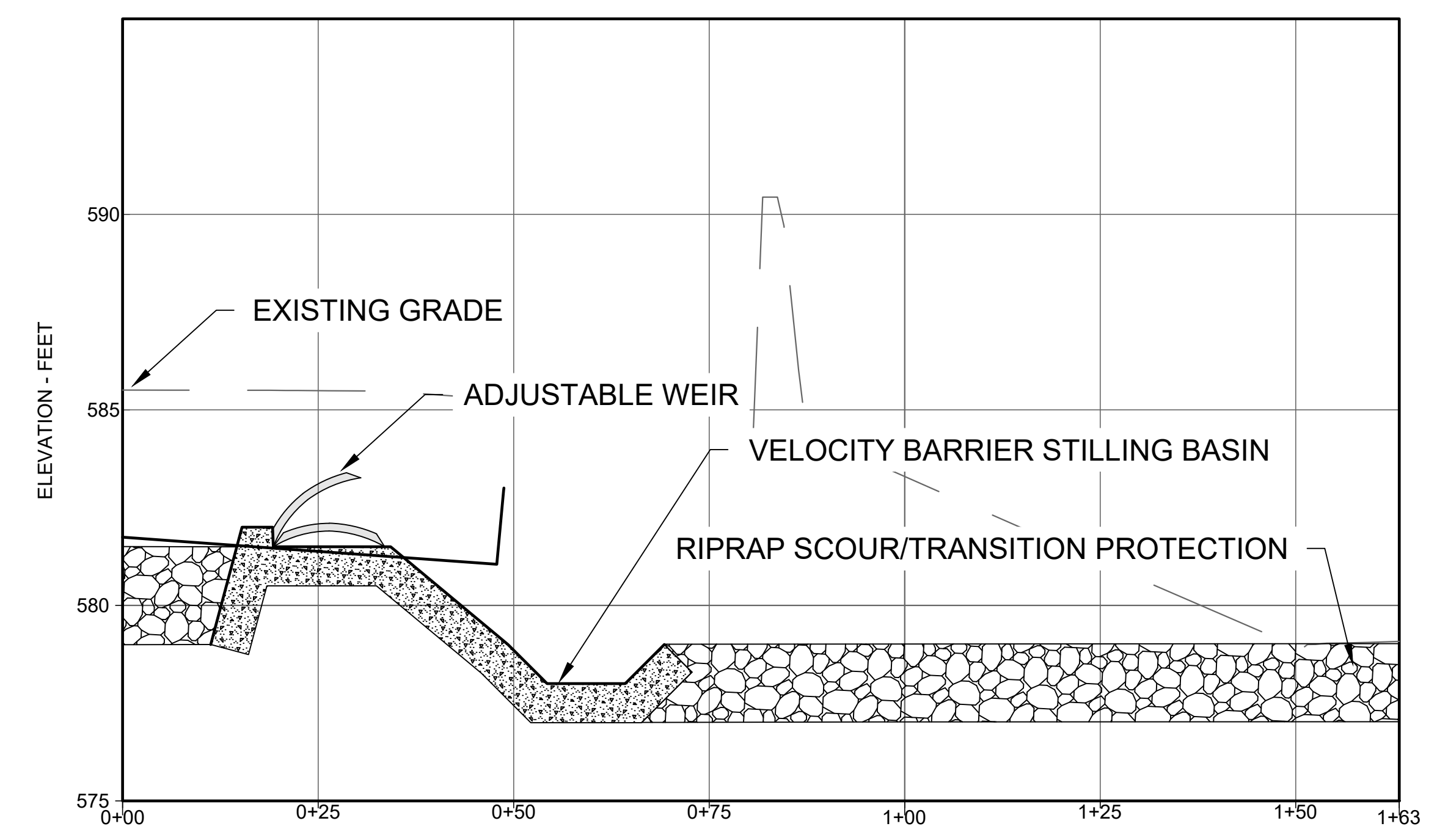
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SECTION VIEW
ALTERNATIVE A

HORIZONTAL SCALE, FEET
0 20 40

VERTICAL SCALE, FEET
0 4 8
NOTE: 5x VERTICAL EXAGGERATION



PROFILE VIEW
ALTERNATIVE A

HORIZONTAL SCALE, FEET
0 15 30

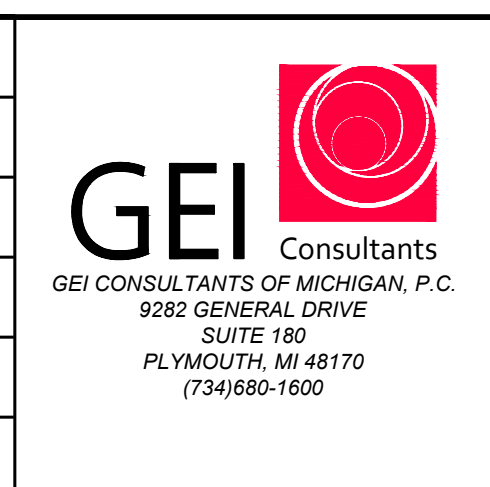
VERTICAL SCALE, FEET
0 3 6
NOTE: 5x VERTICAL EXAGGERATION

CONCEPTUAL

Attention:
0 1"
If this scale bar does not measure 1" then drawing is not original scale.

DRAFT

Designed: MS
Drawn: MS
Checked: SP
Approved: JM
P.E. No: 6201066931
GEI Project: 2302140



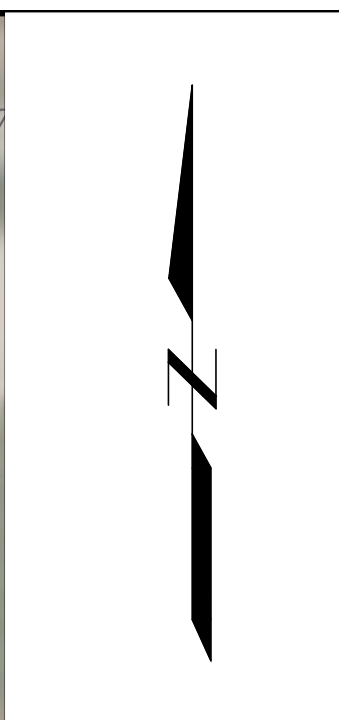
FLAT ROCK/HUROC DAM DISPOSITION FEASIBILITY STUDY
FLAT ROCK, MI

NO	DATE	ISSUE/REVISION	APP
0	4/19/2024	CONCEPTUAL	

SHEET NAME
SEA LAMPREY BARRIER AT FLAT ROCK ALTERNATIVE B SECTION AND PROFILE VIEW

SHEET NO.
23

HEMAL LAURA, B/Worthington/HURON-CLINTON METROPOLITAN AUTHORITY 2302140 Flat Rock - Huron Dam Removal Feasibility Study/00_CAD/Design/Sheets/06 - All 3 and 4 Full Removal Pass and Active Restoration_Sea Lamprey Alts.dwg - 4/21/2024



PLAN VIEW



CONCEPTUAL

<p>Attention:</p> <p>If this scale bar does not measure 1" then drawing is not original scale.</p>	DRAFT
	Designed: MS
	Drawn: MS
	Checked: SP
	Approved: JM
	P.E. No: 6201066931
GEI Project 2302140	

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 GEI CONSULTANTS OF MICHIGAN, P.C.
 9282 GENERAL DRIVE
 SUITE 180
 PLYMOUTH, MI 48170
 (734)682-1600

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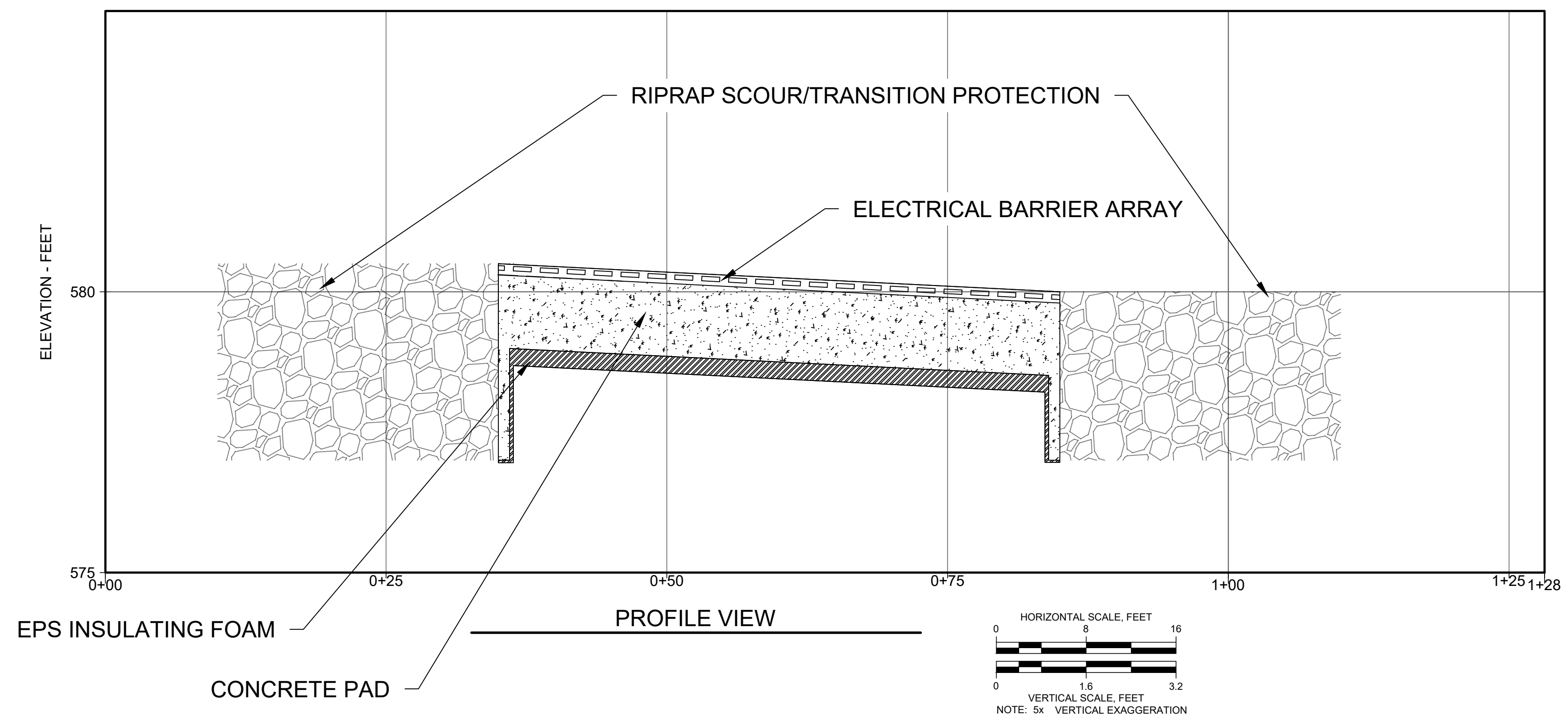
FLAT ROCK/HUROC DAM DISPOSITION FEASIBILITY STUDY

FLAT ROCK, MI

NO	DATE	ISSUE/REVISION	APP
0	4/19/2024	CONCEPTUAL	

SHEET NAME	SHEET NO.
SEA LAMPREY BARRIER ALTERNATIVE C PLAN VIEW	24

HEMAL LAURA, B|Working|HURON-CLINTON METROPOLITAN AUTHORITY 202140 Flat Rock - Huron Dam Removal Feasibility Study 100_CAD Design Sheets 106 - A13 and 4 Full Removal Pass and Active Restoration Seal Lampry Alternative - 4/27/2024



CONCEPTUAL

Attention: If this scale bar does not measure 1" then drawing is not original scale.	DRAFT	Designed: MS
		Drawn: MS
		Checked: SP
		Approved: JM
		P.E. No: 6201066931
		GEI Project 2302140



**FLAT ROCK/HUROC DAM
DISPOSITION FEASIBILITY
STUDY**
FLAT ROCK, MI

0	4/19/2024	CONCEPTUAL	
NO	DATE	ISSUE/REVISION	APP

SHEET NAME
**SEA LAMPREY
BARRIER
ALTERNATIVE C
PROFILE VIEW**

SHEET NO.
25