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- 11 PCB HISTORICAL LOCATIONS AND SAMPLING PLAN

Site Plan Review
Revised Plans - Revision #1
Received: 10/7/2026
City of Kalamazoo
E.Szymanski



LOCATION MAP

The City of Kalamazoo



***REED COURT FLOODPLAIN
AND
STORMWATER IMPROVEMENT PROJECT***

FUNDING:

NOAA Restoration Center
On Behalf of the Kalamazoo River
NRDA Trustees

CONSULTANTS:

Prein&Newhof
Engineering
Services

KIESER & ASSOCIATES, LLC
Environmental Science
and Engineering Services

O'Boyle, Cowell,
Blalock, & Associates, Inc.
Landscape Architects

Merchant Environmental
and Regulatory
Consulting Services

DRAWN BY:
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REVISIONS
EGLE RESUBMISSION -7-31-2025



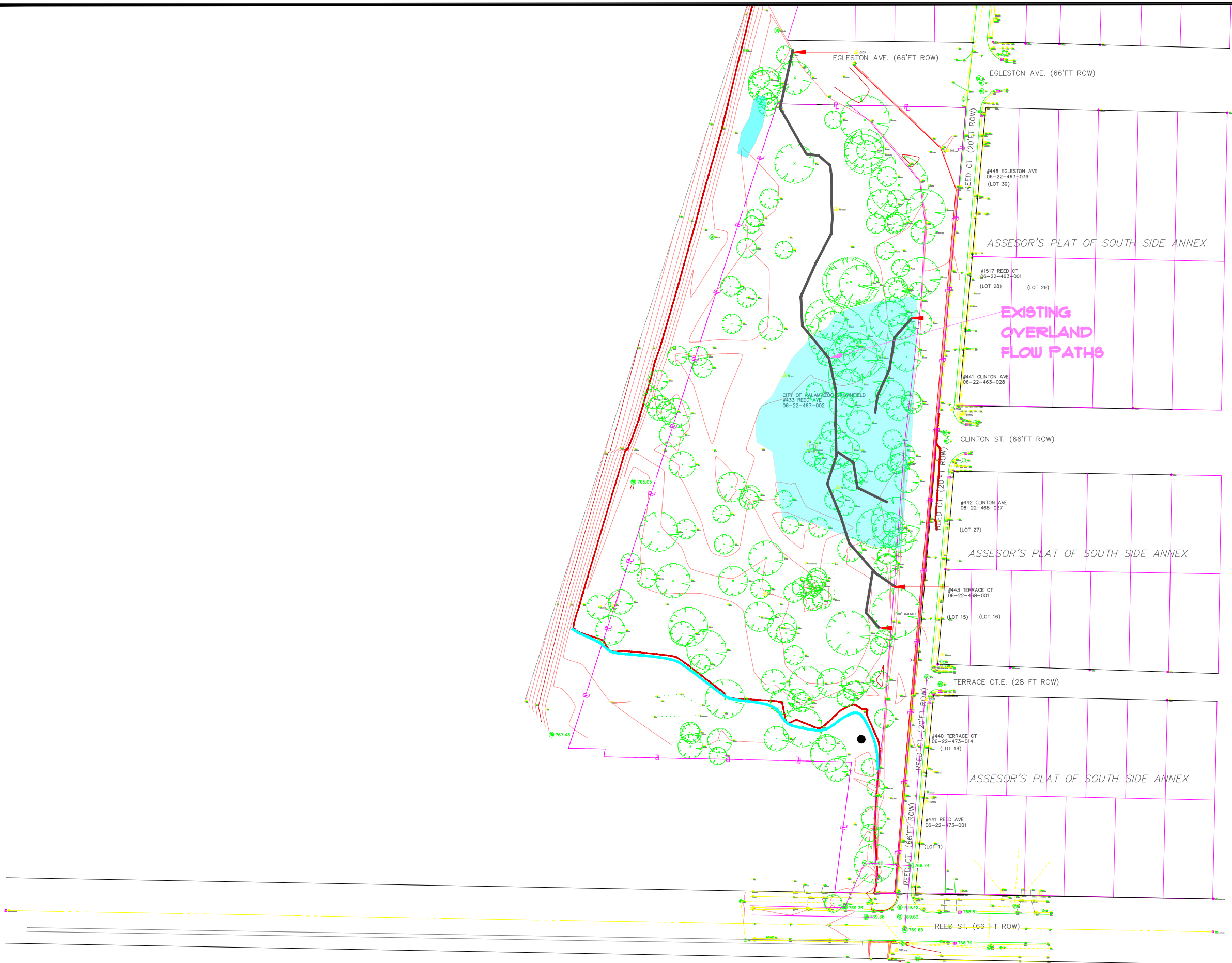
**REED COURT
FLOODPLAIN
AND
STORMWATER
IMPROVEMENT
PROJECT**

***TITLE
SHEET***

DRAWING
1

KIESER & ASSOCIATES
ENVIRONMENTAL SCIENCE & ENGINEERING
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TOPOGRAPHIC SURVEY

1"=50'

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REED COURT FLOODPLAIN AND STORMWATER IMPROVEMENT PROJECT

TOPOGRAPHIC SURVEY

DRAWING
2

Description	Diam	Species	xcoord	ycoord	Description	Diam	Species	xcoord	ycoord
24" Dead	24	Dead	-85.5769	42.27468	10" Walnut	10	Walnut	-85.5768	42.27419
12" Dead	12	Dead	-85.5767	42.27478	15" Walnut	15	Walnut	-85.5766	42.27443
12" Dead	12	Dead	-85.5768	42.27523	10" Walnut	10	Walnut	-85.5766	42.27439
30" Dead	30	Dead	-85.5765	42.27525	24" Walnut	24	Walnut	-85.5766	42.27431
24" Dead	24	Dead	-85.5768	42.27581	10" Hackberry Triple	10	Hackberry	-85.5766	42.27452
18" Dead Twin	18	Dead	-85.5768	42.27579	10" Maple	10	Maple	-85.5766	42.27457
30" Dead	30	Dead	-85.5767	42.27591	14" Maple	14	Maple	-85.5767	42.27456
30" Dead	30	Dead	-85.5767	42.27591	22" Maple	22	Maple	-85.5768	42.27461
24" Dead	24	Dead	-85.5767	42.27591	10" Maple	10	Maple	-85.5768	42.27464
10" Maple	10	Maple	-85.577	42.27654	12" Maple	12	Maple	-85.5766	42.27471
20" Basswood	20	Catalpa	-85.5769	42.27648	10" Hackberry	10	Hackberry	-85.5766	42.27481
10" Maple	10	Maple	-85.577	42.27641	18" Maple	18	Maple	-85.5767	42.27481
10" Maple Twin	10	Maple	-85.577	42.27639	10" Maple	10	Maple	-85.5767	42.27476
10" Poplar	10	Poplar	-85.5771	42.27642	18" Walnut	18	Walnut	-85.5768	42.2748
20" Poplar	20	Poplar	-85.5771	42.27645	21" Walnut	21	Walnut	-85.5769	42.2748
20" Poplar Twin	20	Poplar	-85.5771	42.27646	15" Walnut	15	Walnut	-85.577	42.27475
10" Basswood Triple	10	Catalpa	-85.5771	42.27647	12" Walnut	12	Walnut	-85.5769	42.27476
10" Basswood	10	Catalpa	-85.5768	42.27636	12" Walnut	12	Walnut	-85.5769	42.27475
30" Oak Triple	30	Oak	-85.5767	42.27636	15" Walnut	15	Walnut	-85.577	42.27465
24" Basswood	24	Catalpa	-85.5767	42.27628	15" Walnut	15	Walnut	-85.5772	42.27464
24" Basswood Twin	24	Catalpa	-85.5767	42.27627	10" Elm	10	Elm	-85.5772	42.2746
12" Basswood	12	Catalpa	-85.5767	42.27628	15" Walnut	15	Walnut	-85.5773	42.27462
12" Basswood	12	Catalpa	-85.5766	42.27621	12" Walnut	12	Walnut	-85.5773	42.27466
36" Basswood	36	Catalpa	-85.5765	42.27618	12" Walnut	12	Walnut	-85.5773	42.27466
24" Basswood Quad	24	Catalpa	-85.5764	42.27612	24" Walnut	24	Walnut	-85.5772	42.27476
15" Basswood Quad	15	Catalpa	-85.5765	42.27606	12" Walnut	12	Walnut	-85.5773	42.27485
10" Basswood	10	Catalpa	-85.5766	42.27615	24" Walnut	24	Walnut	-85.5772	42.27489
18" Basswood	18	Catalpa	-85.5766	42.27613	15" Hickory	15	Hickory	-85.5773	42.27493
12" Basswood	12	Catalpa	-85.5766	42.27608	24" Walnut	24	Walnut	-85.5773	42.27495
12" Maple	12	Maple	-85.5766	42.27608	21" Walnut	21	Walnut	-85.5774	42.27508
12" Basswood	12	Catalpa	-85.5766	42.27608	12" Cherry Triple	12	Cherry	-85.5775	42.27509
10" Basswood	10	Catalpa	-85.5766	42.276	15" Walnut	15	Walnut	-85.5776	42.27502
10" Basswood	10	Catalpa	-85.5765	42.27596	15" Walnut	15	Walnut	-85.5776	42.275
24" Maple Twin	24	Maple	-85.5765	42.27593	18" Walnut	18	Walnut	-85.5776	42.27494
10" Basswood	10	Catalpa	-85.5765	42.27589	12" Walnut	12	Walnut	-85.5775	42.27513
10" Basswood	10	Catalpa	-85.5765	42.2759	24" Walnut	24	Walnut	-85.5774	42.27522
15" Basswood	15	Catalpa	-85.5766	42.27589	12" Walnut	12	Walnut	-85.5773	42.27522
15" basswood	15	basswood	-85.5765	42.2758	10" Walnut	10	Walnut	-85.5772	42.27527
15" Basswood	15	Catalpa	-85.5765	42.27579	12" Walnut	12	Walnut	-85.5772	42.27518
24" Basswood	24	Catalpa	-85.5766	42.27581	18" Walnut	18	Walnut	-85.5772	42.27534
18" Basswood	18	Catalpa	-85.5766	42.27583	12" Walnut	12	Walnut	-85.5771	42.27531
18" Basswood	18	Catalpa	-85.5765	42.27571	12" Walnut	12	Walnut	-85.5771	42.27532
18" Basswood	18	Catalpa	-85.5766	42.2756	10" Walnut	10	Walnut	-85.577	42.27531
12" Basswood	12	Catalpa	-85.5765	42.27558	10" Walnut	10	Walnut	-85.5769	42.27524
12" Basswood	12	Catalpa	-85.5765	42.27559	21" Walnut	21	Walnut	-85.577	42.27515
24" Basswood	24	Catalpa	-85.5767	42.2757	12" Walnut	12	Walnut	-85.577	42.27506
30" Basswood	30	Catalpa	-85.5767	42.27571	18" Walnut	18	Walnut	-85.577	42.27498
36" Basswood	36	Catalpa	-85.5766	42.27576	18" Locust X6	18	Locust	-85.5771	42.27508
12" Basswood	12	Catalpa	-85.5767	42.27574	24" Willow	24	Willow	-85.5766	42.27523
12" Dead	12	Dead	-85.5767	42.27574	21" Hackberry	21	Hackberry	-85.5766	42.27523
12" Basswood	12	Catalpa	-85.5768	42.27531	12" Walnut	12	Walnut	-85.5766	42.27524
12" Basswood	12	Catalpa	-85.5767	42.27529	10" Walnut Twin	10	Walnut	-85.5766	42.27516
15" Basswood	15	Catalpa	-85.5765	42.27537	15" Walnut	15	Walnut	-85.5766	42.27513
12" Basswood	12	Catalpa	-85.5765	42.27542	12" Elm	12	Elm	-85.5769	42.27507
12" Basswood Quad	12	Catalpa	-85.5765	42.27541	12" Elm	12	Elm	-85.5769	42.27505
15" Basswood	15	Catalpa	-85.5765	42.27544	12" Walnut	12	Walnut	-85.5768	42.27503
10" Basswood	10	Catalpa	-85.5766	42.27539	12" Walnut	12	Walnut	-85.5768	42.27504
15" Basswood	15	Catalpa	-85.5767	42.27539	12" Dead	12	Dead	-85.5768	42.27509
12" Basswood	12	Catalpa	-85.5767	42.27536	12" Dead	12	Dead	-85.5768	42.27509
12" Basswood	12	Catalpa	-85.5768	42.27541	12" Walnut	12	Walnut	-85.5769	42.27494
10" Basswood	10	Catalpa	-85.5769	42.27543	12" Walnut	12	Walnut	-85.5769	42.27488
24" Basswood	24	Catalpa	-85.5768	42.27545	18" Walnut	18	Walnut	-85.577	42.27495
18" Basswood	18	Catalpa	-85.5767	42.27545	15" Walnut	15	Walnut	-85.577	42.27481
12" Basswood	12	Catalpa	-85.5768	42.2755	27" Walnut	27	Walnut	-85.5767	42.27494
15" Basswood	15	Catalpa	-85.5767	42.27553	10" Walnut	10	Walnut	-85.5766	42.27491
12" Basswood	12	Catalpa	-85.5766	42.27548	10" Walnut	10	Walnut	-85.5766	42.27493
15" Basswood	15	Catalpa	-85.5765	42.27557	30" Walnut	30	Walnut	-85.5765	42.275
15" Maple Triple	15	Maple	-85.5767	42.27557	16" Walnut	16	Walnut	-85.5773	42.2754
18" Basswood	18	Catalpa	-85.5767	42.27563	16" Catalpa	16	Catalpa	-85.5774	42.27554
36" Basswood	36	Catalpa	-85.5767	42.27565	12" Dead	12	Dead	-85.5775	42.27558
10" Basswood	10	Catalpa	-85.5768	42.27561	12" Walnut	12	Walnut	-85.5774	42.27564
10" Basswood	10	Catalpa	-85.5768	42.27571	12" Walnut	12	Walnut	-85.5774	42.2757
15" Walnut	15	Walnut	-85.5767	42.27517	12" Walnut	12	Walnut	-85.5773	42.2757
15" Walnut	15	Walnut	-85.5765	42.2752	12" Dead	12	Dead	-85.5773	42.27567
12" Walnut Twin	12	Walnut	-85.5766	42.27514	12" Walnut	12	Walnut	-85.5772	42.27579
12" Elm	12	Elm	-85.5769	42.27506	12" Walnut	12	Walnut	-85.5771	42.27587
12" Dead Cluster	12	Dead	-85.5768	42.27507	12" Walnut	12	Walnut	-85.5772	42.2759
15" Dead Twin	15	Dead	-85.5774	42.27548	12" Walnut	12	Walnut	-85.5771	42.276
15" Dead	15	Dead	-85.5774	42.27556	10" Walnut	10	Walnut	-85.5771	42.27607
12" Walnut	12	Walnut	-85.5774	42.27555	10" Dead	10	Dead	-85.5771	42.27609
15" Maple	15	Maple	-85.577	42.27578	12" Dead	12	Dead	-85.577	42.27614
10" Elm	10	Elm	-85.577	42.276	24" Maple	24	Maple	-85.5769	42.27624

LIST OF TREES GREATER THAN 10" DIA.

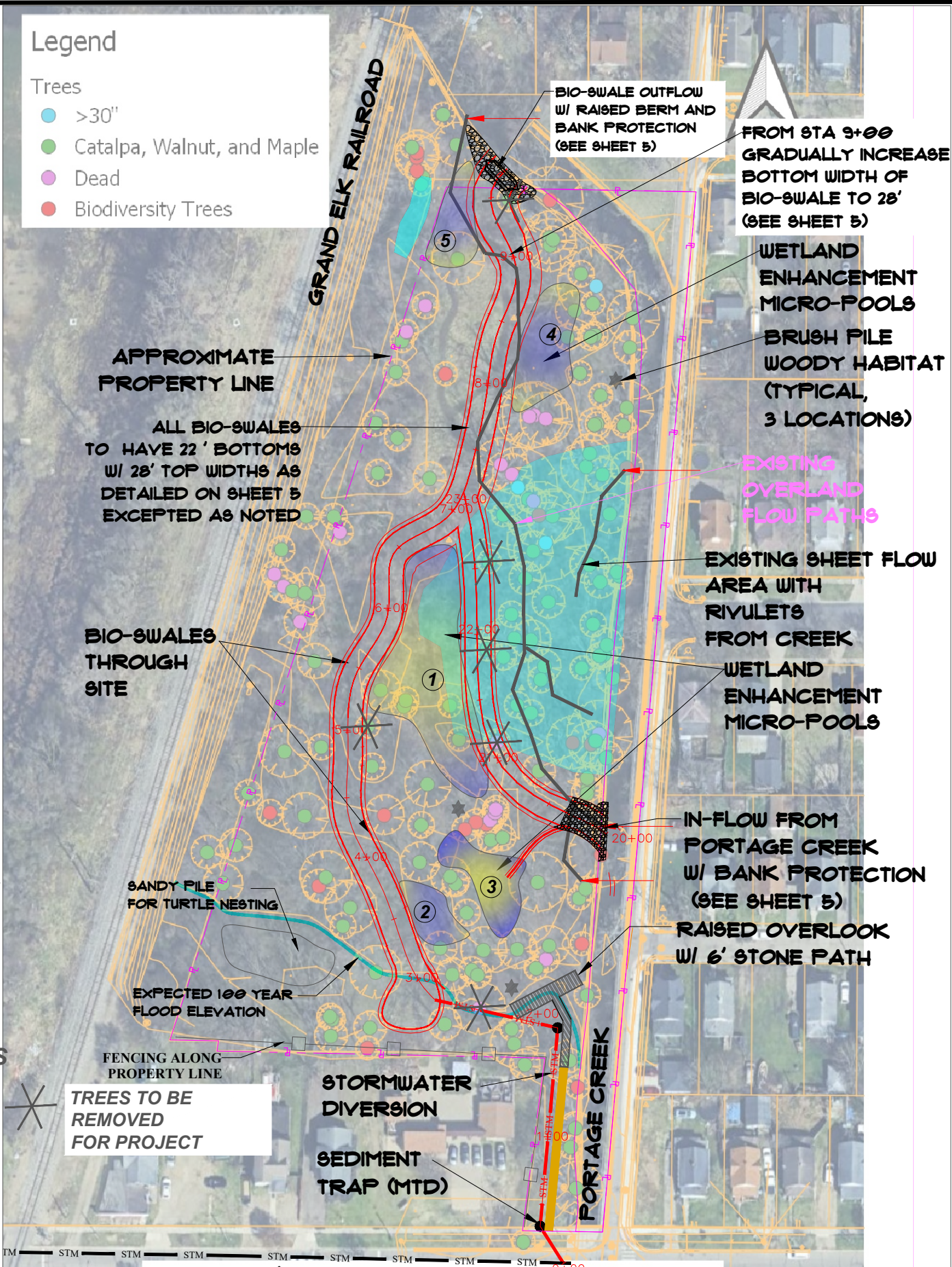
PARCEL AREA = 4.23 ACRES

PORTAGE CREEK = 0.65 ACRES

WOODLANDS = 3.57 ACRES

SURVEYED TREES 165 TREES > 10" DIA.

TREES REMOVED FOR PROJECT 6



DEMOLITION & TREE PROTECTION

SCALE 1"=50'

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THE CITY OF

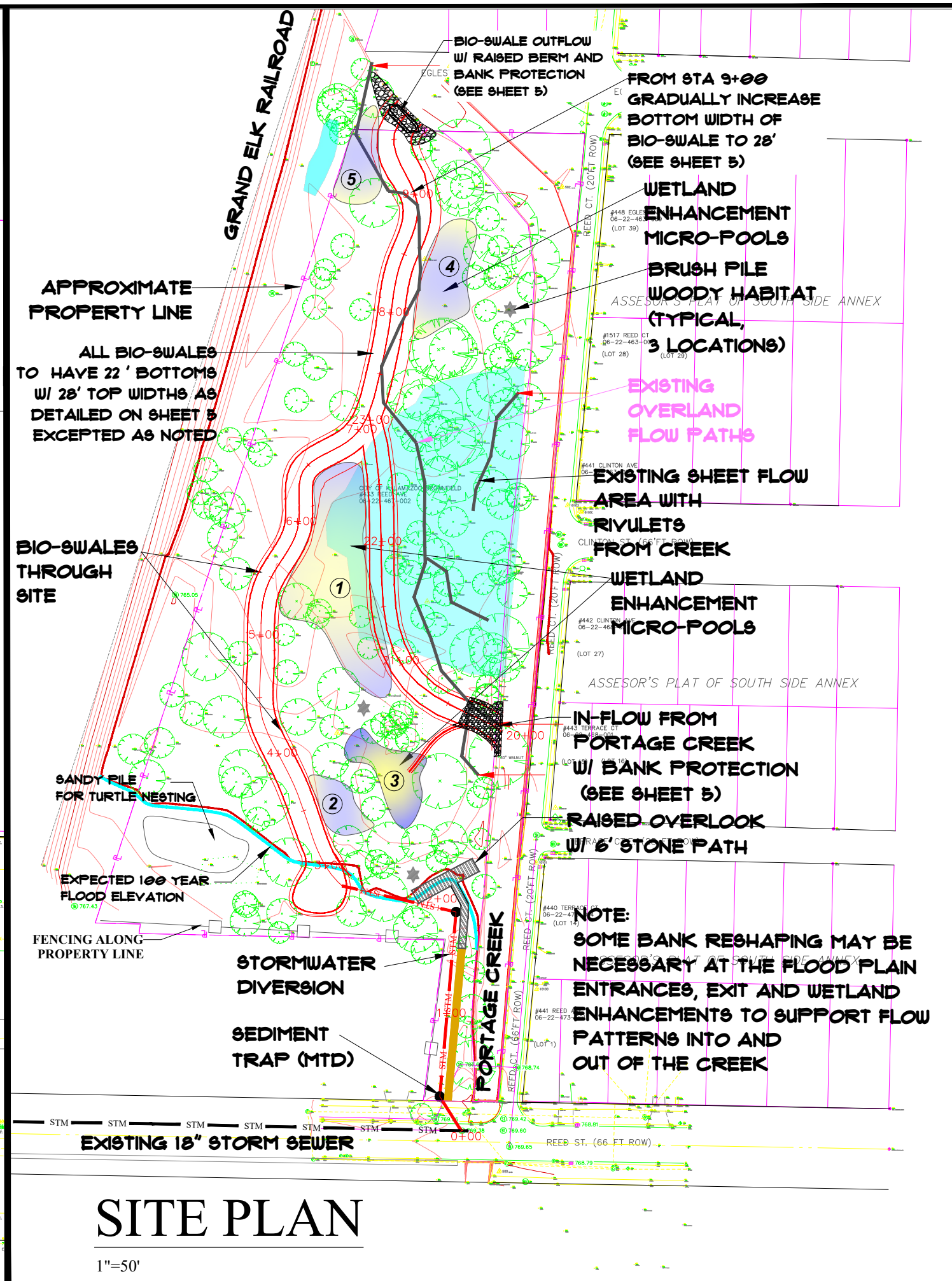
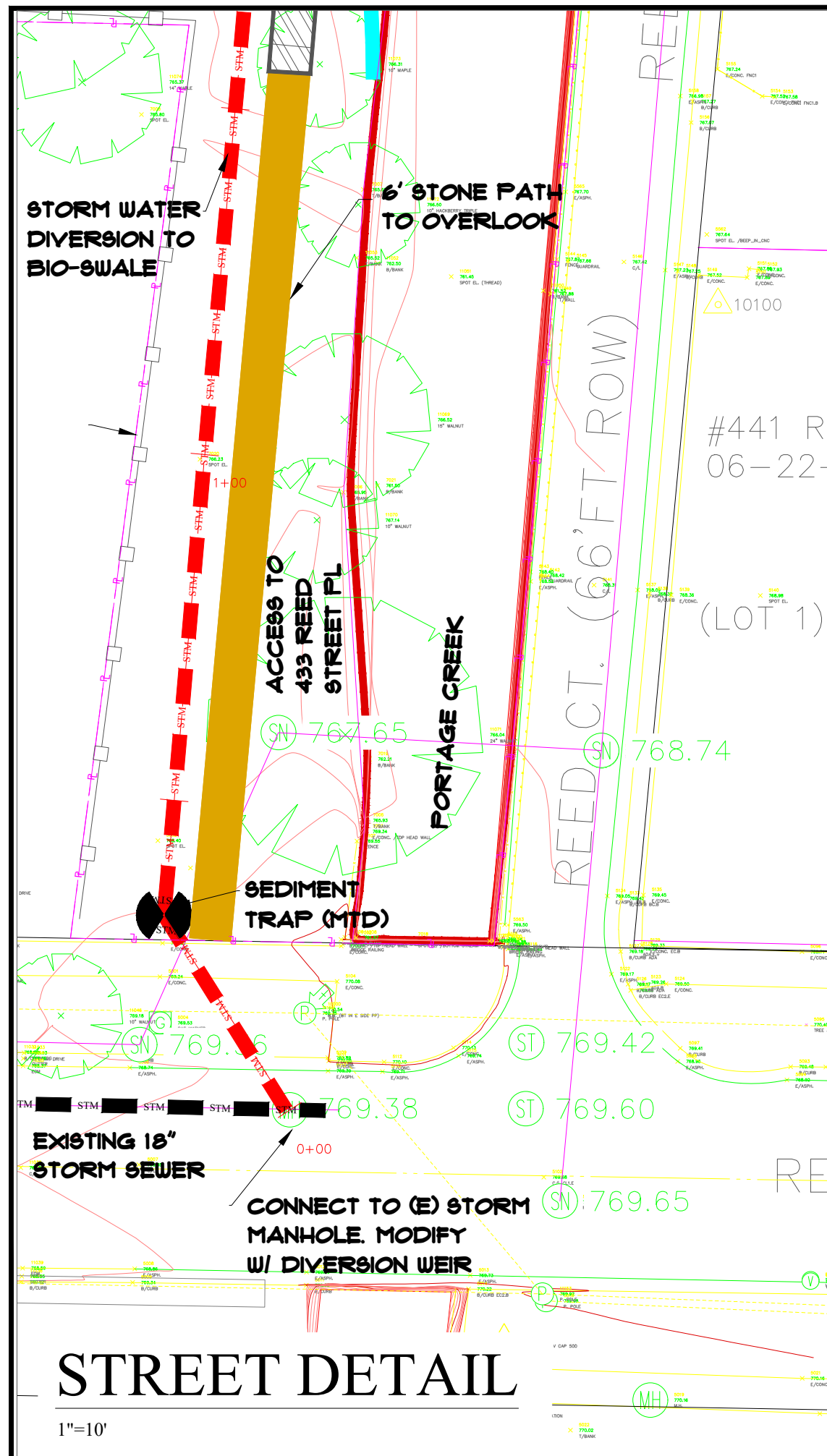
Kalamazoo

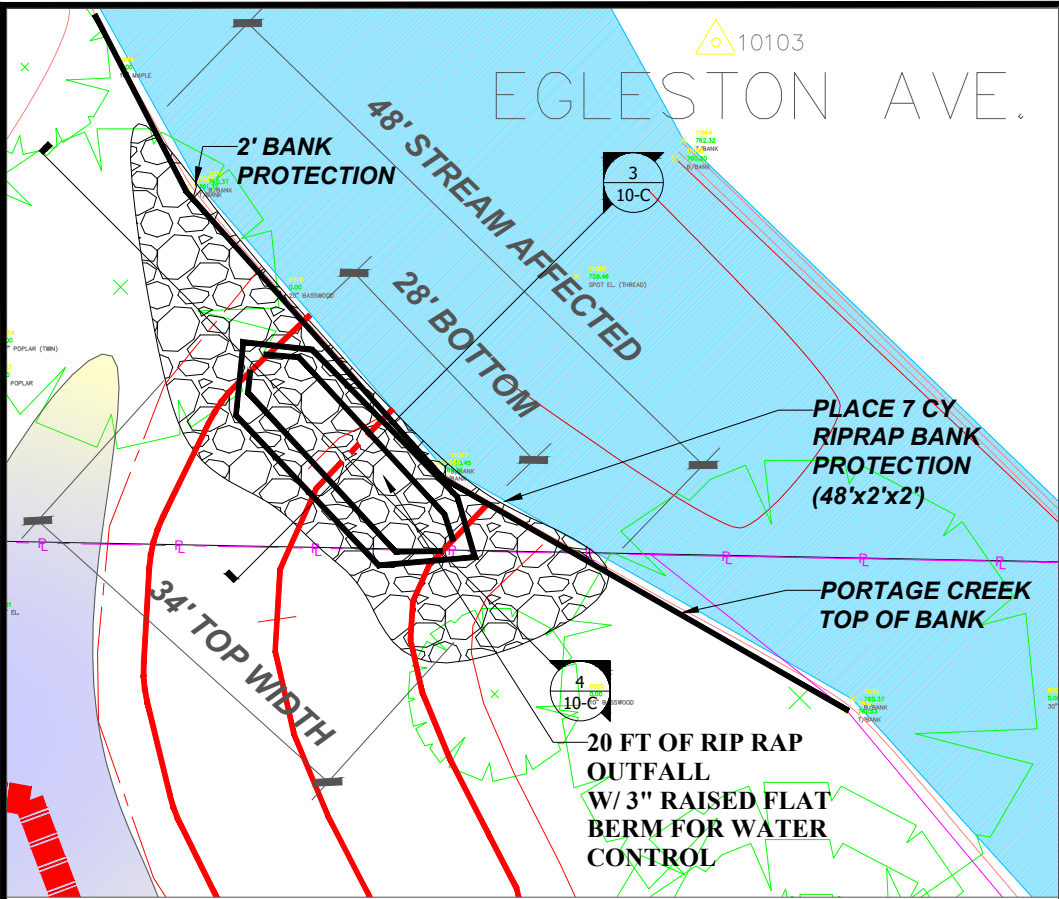
REED COURT
FLOODPLAIN
AND
STORMWATER
IMPROVEMENT
PROJECT

DEMOLITION
& TREE
PROTECTION

DRAWING

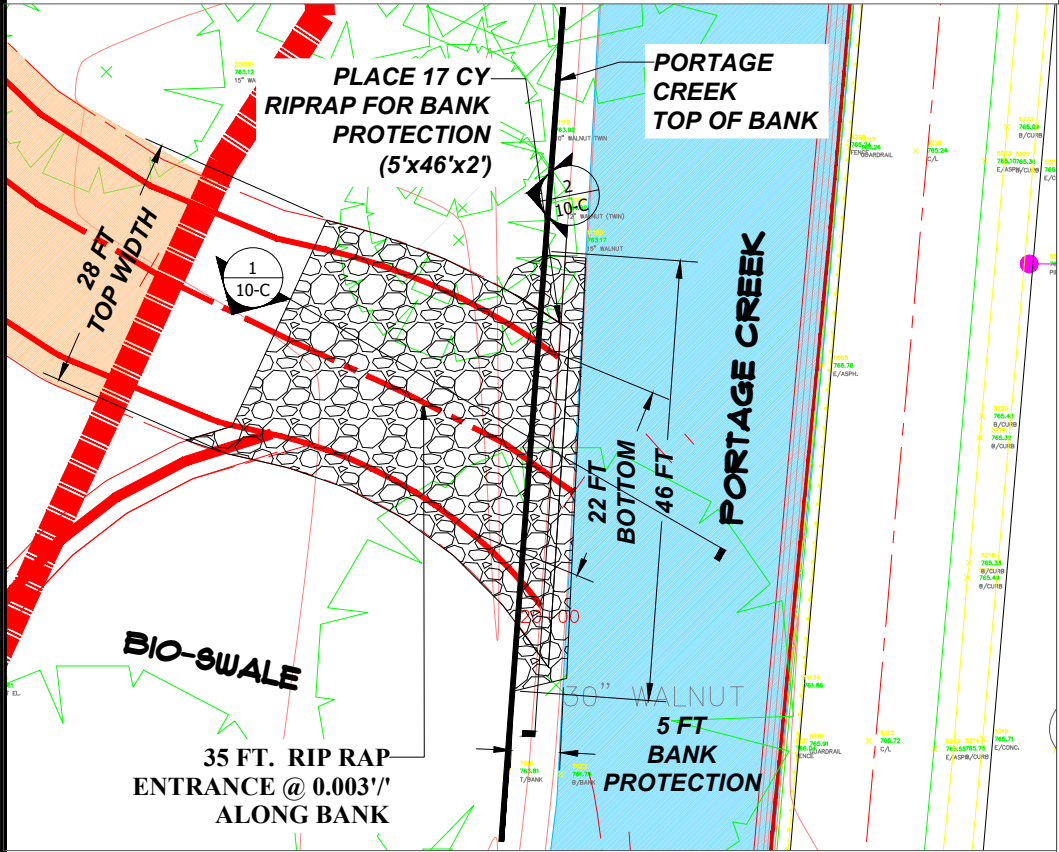
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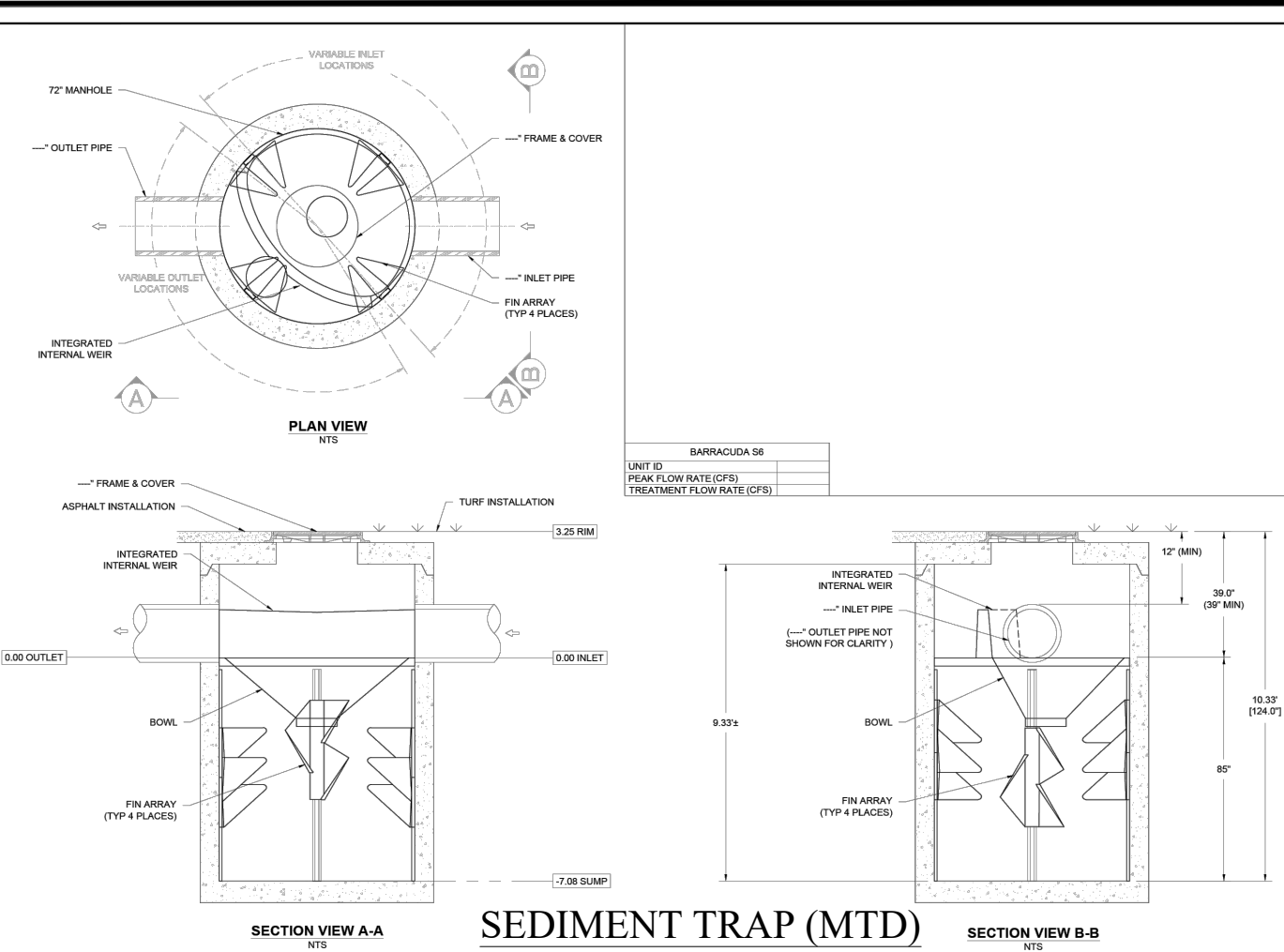
FLOOD PLAIN OUT-FLOW

1"=10'

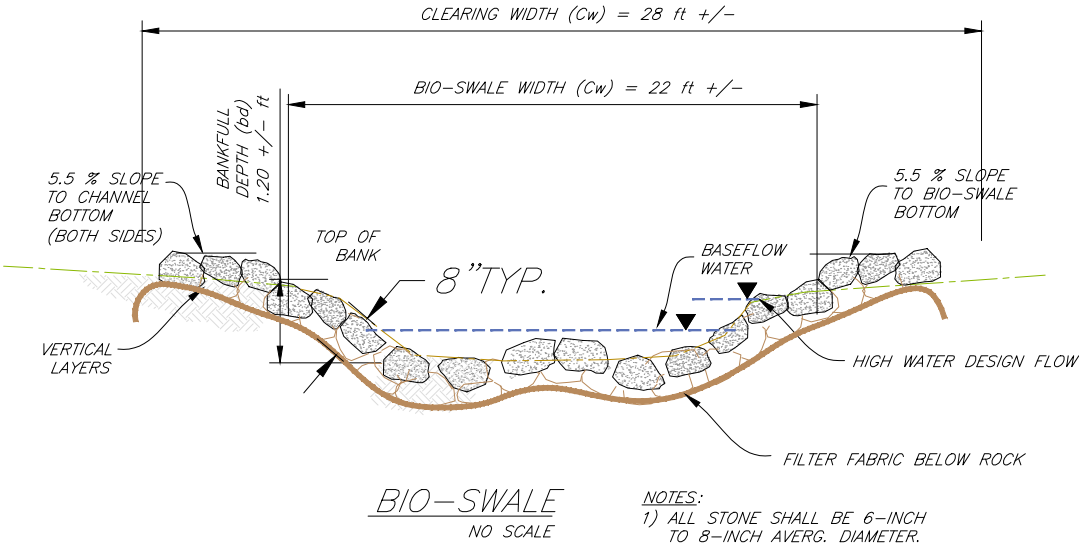


FLOOD PLAIN IN-FLOW

1"=10'



SEDIMENT TRAP (MTD)



TYPICAL BIO-SWALE

REV	DATE	DESCRIPTION	BY	CHKD
1	5/10/18	BARRACUDA S6	PR	EKH
2	5/10/18	BARRACUDA S6	PR	EKH
3	5/10/18	BARRACUDA S6	PR	EKH
4	5/10/18	BARRACUDA S6	PR	EKH
5	5/10/18	BARRACUDA S6	PR	EKH
6	5/10/18	BARRACUDA S6	PR	EKH
7	5/10/18	BARRACUDA S6	PR	EKH
8	5/10/18	BARRACUDA S6	PR	EKH
9	5/10/18	BARRACUDA S6	PR	EKH
10	5/10/18	BARRACUDA S6	PR	EKH
11	5/10/18	BARRACUDA S6	PR	EKH
12	5/10/18	BARRACUDA S6	PR	EKH
13	5/10/18	BARRACUDA S6	PR	EKH
14	5/10/18	BARRACUDA S6	PR	EKH
15	5/10/18	BARRACUDA S6	PR	EKH
16	5/10/18	BARRACUDA S6	PR	EKH
17	5/10/18	BARRACUDA S6	PR	EKH
18	5/10/18	BARRACUDA S6	PR	EKH
19	5/10/18	BARRACUDA S6	PR	EKH
20	5/10/18	BARRACUDA S6	PR	EKH
21	5/10/18	BARRACUDA S6	PR	EKH
22	5/10/18	BARRACUDA S6	PR	EKH
23	5/10/18	BARRACUDA S6	PR	EKH
24	5/10/18	BARRACUDA S6	PR	EKH
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27	5/10/18	BARRACUDA S6	PR	EKH
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42	5/10/18	BARRACUDA S6	PR	EKH
43	5/10/18	BARRACUDA S6	PR	EKH
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99	5/10/18	BARRACUDA S6	PR	EKH
100	5/10/18	BARRACUDA S6	PR	EKH



NOT TO SCALE

1 SHEET OF 1

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AND

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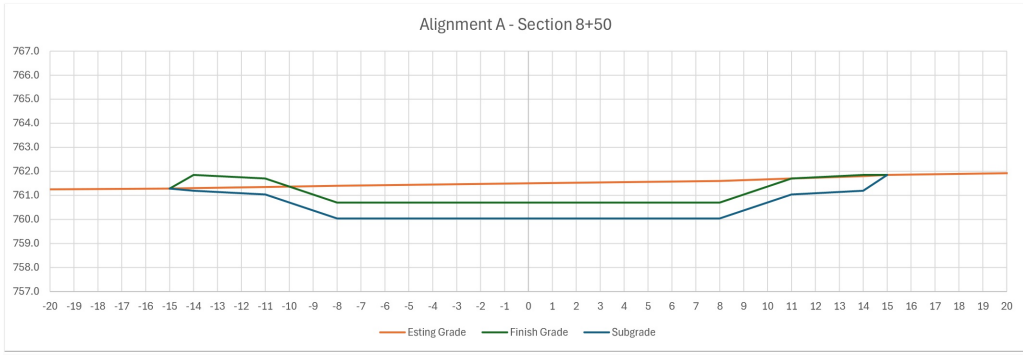
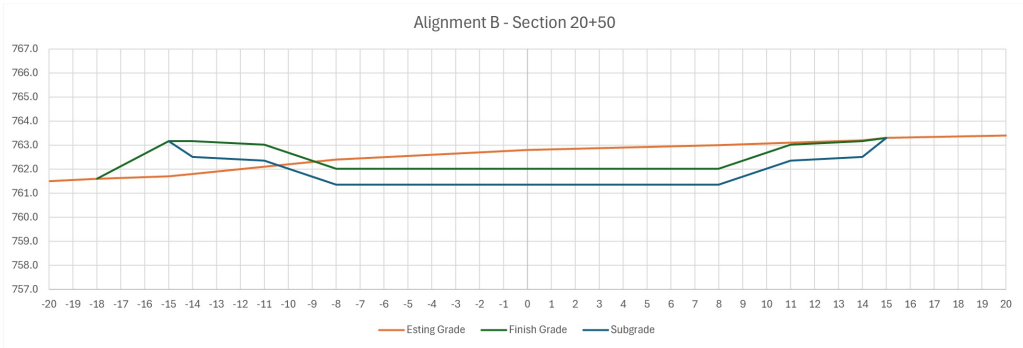
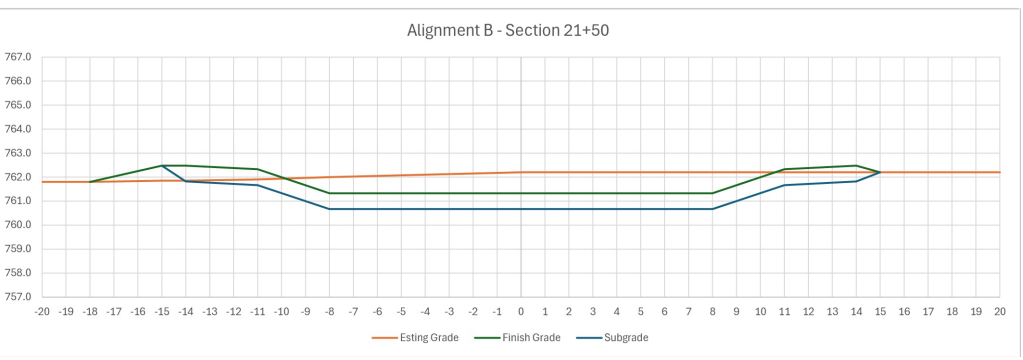
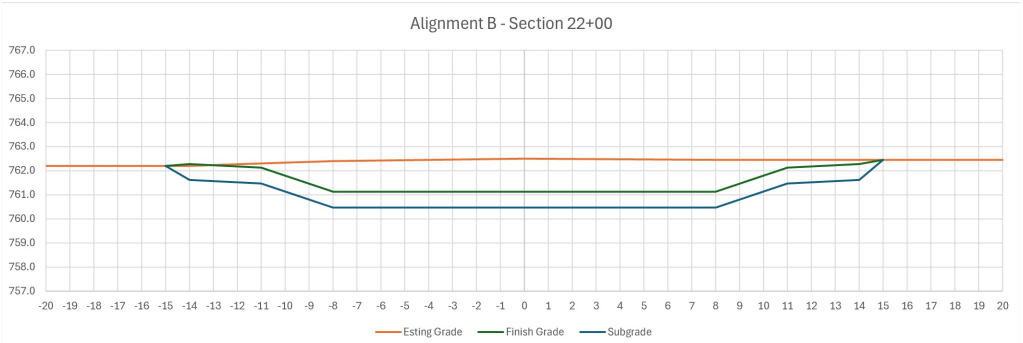
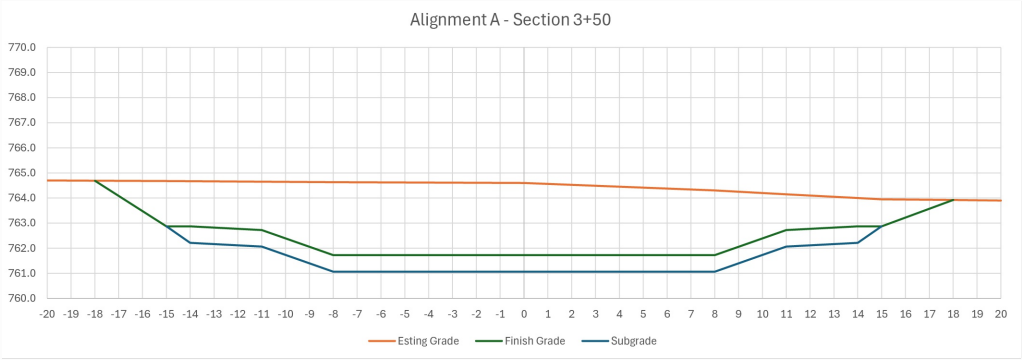
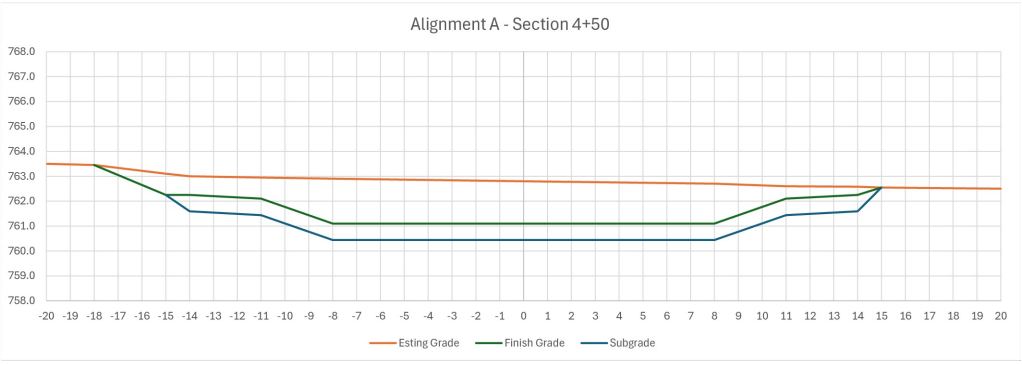
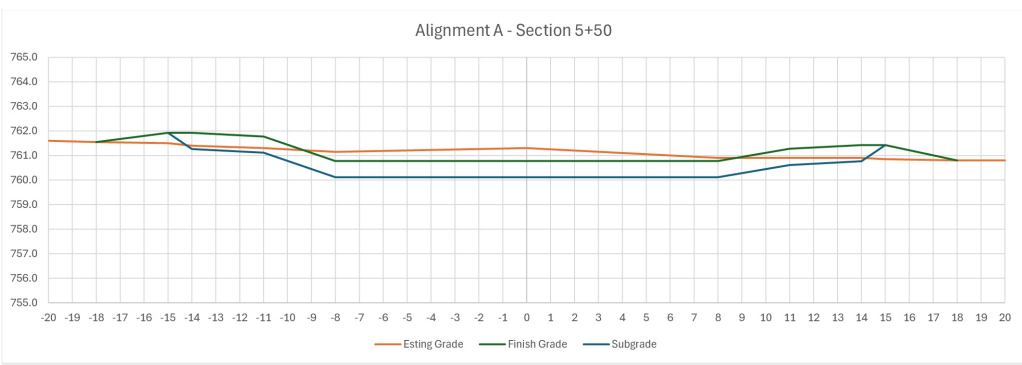
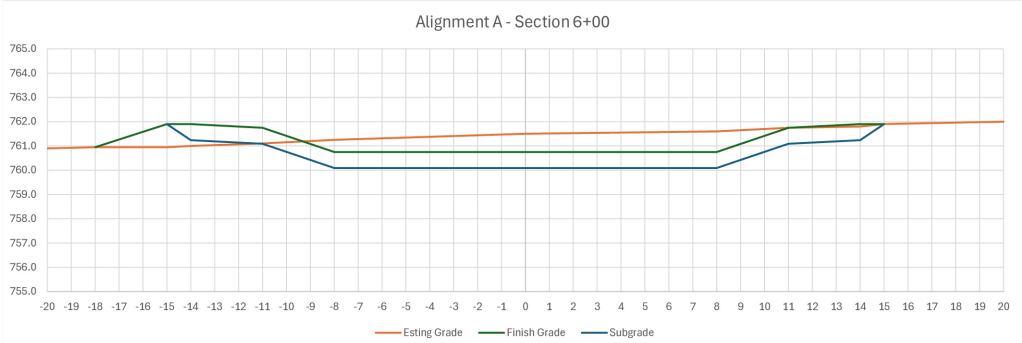
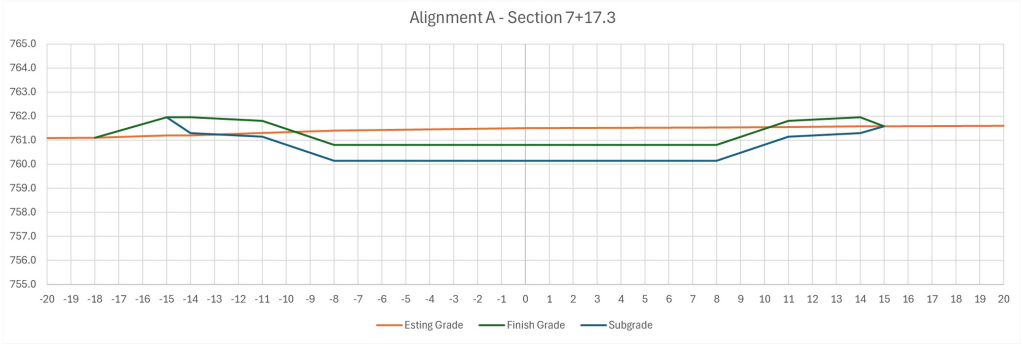
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PORTAGE CREEK RENAISSANCE: REED COURT RESTORATION PROJECT

PLAN DETAILS

DRAWING 5



SECTIONS

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PORTAGE
CREEK
RENAISSANCE:
REED COURT
RESTORATION
PROJECT

SECTIONS



CONCEPT REDERINGS OF VIEWING DECK.

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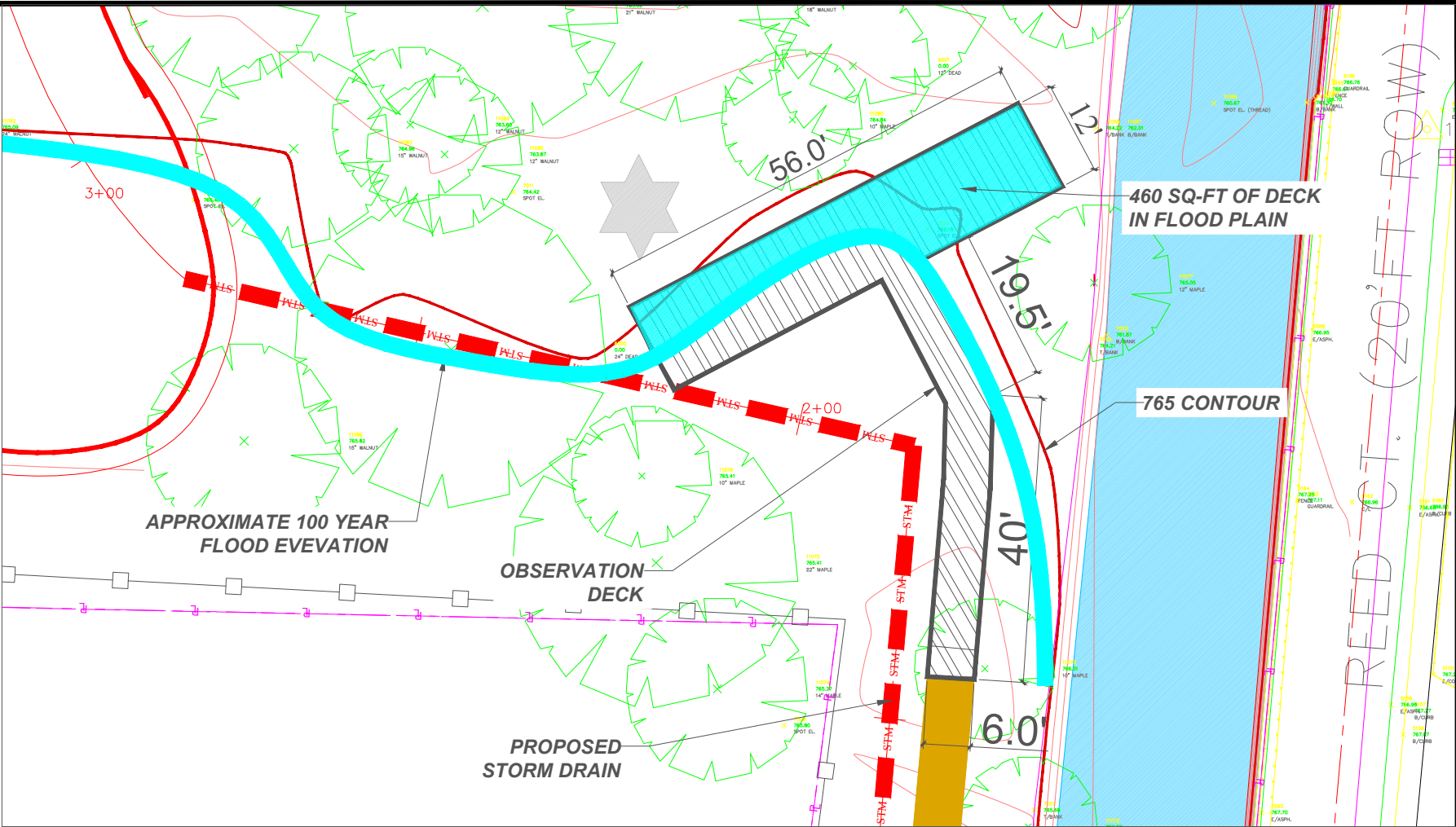


**REED COURT
 FLOODPLAIN
 AND
 STORMWATER
 IMPROVEMENT
 PROJECT**

**LANDSCAPE
 CONCEPTS**

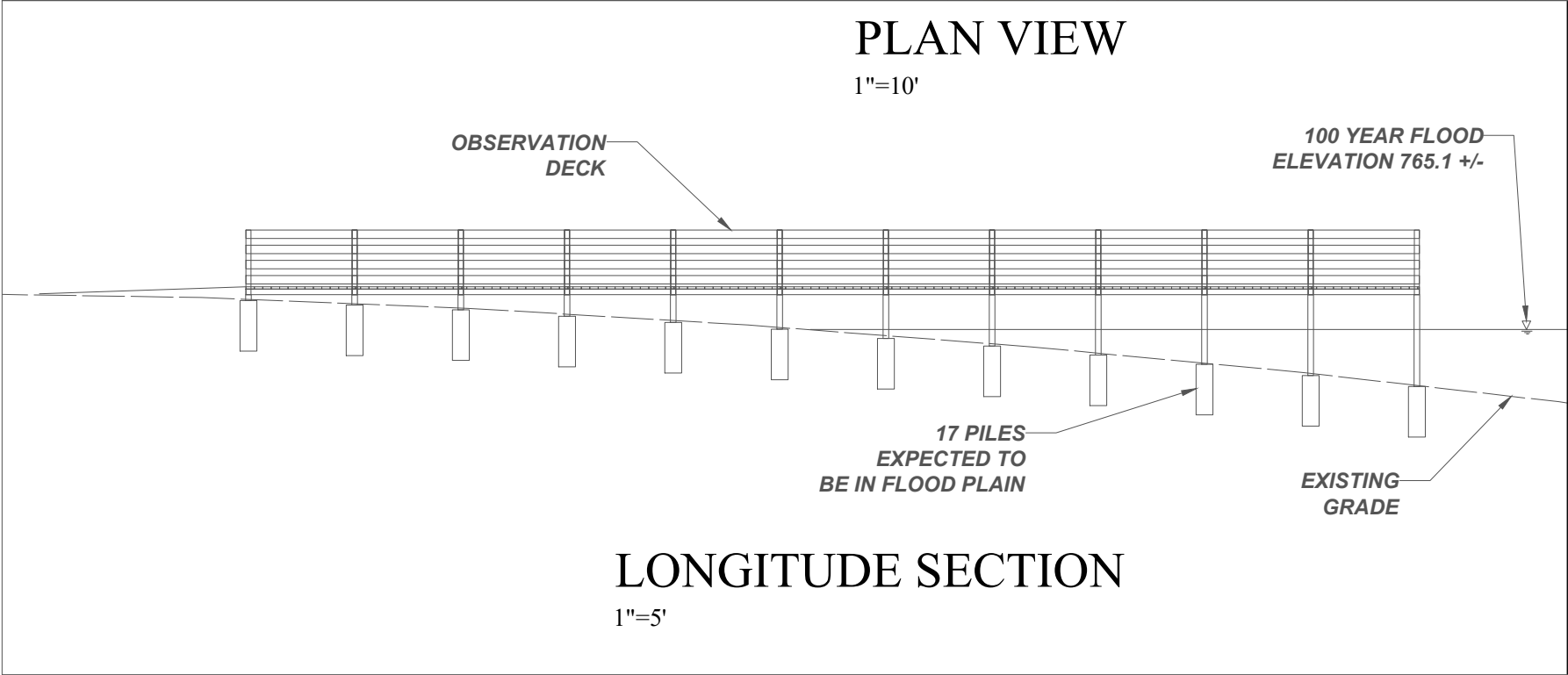
DRAWING

7



PLAN VIEW

1"=10'



LONGITUDE SECTION

1"=5'

CONCEPT DETAILS OF VIEWING DECK.

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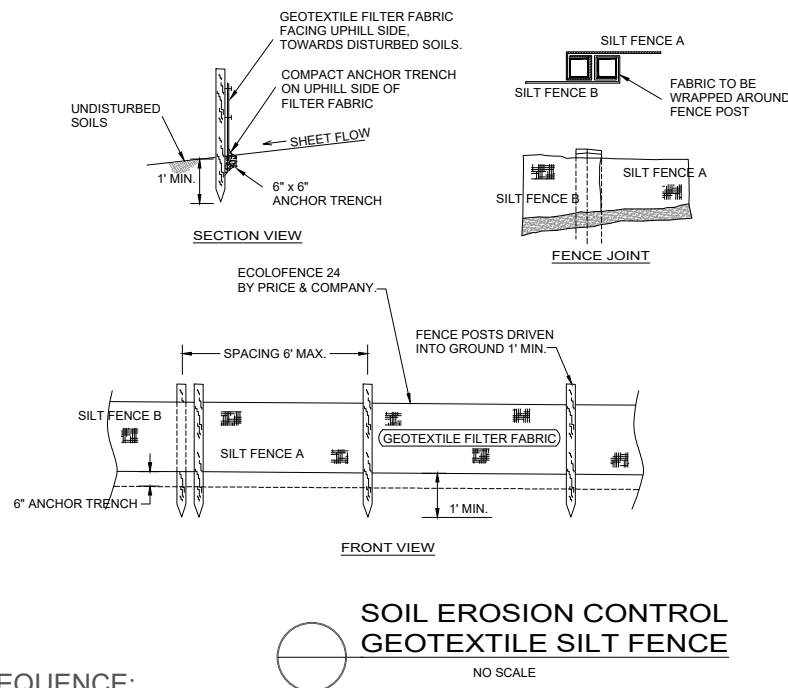
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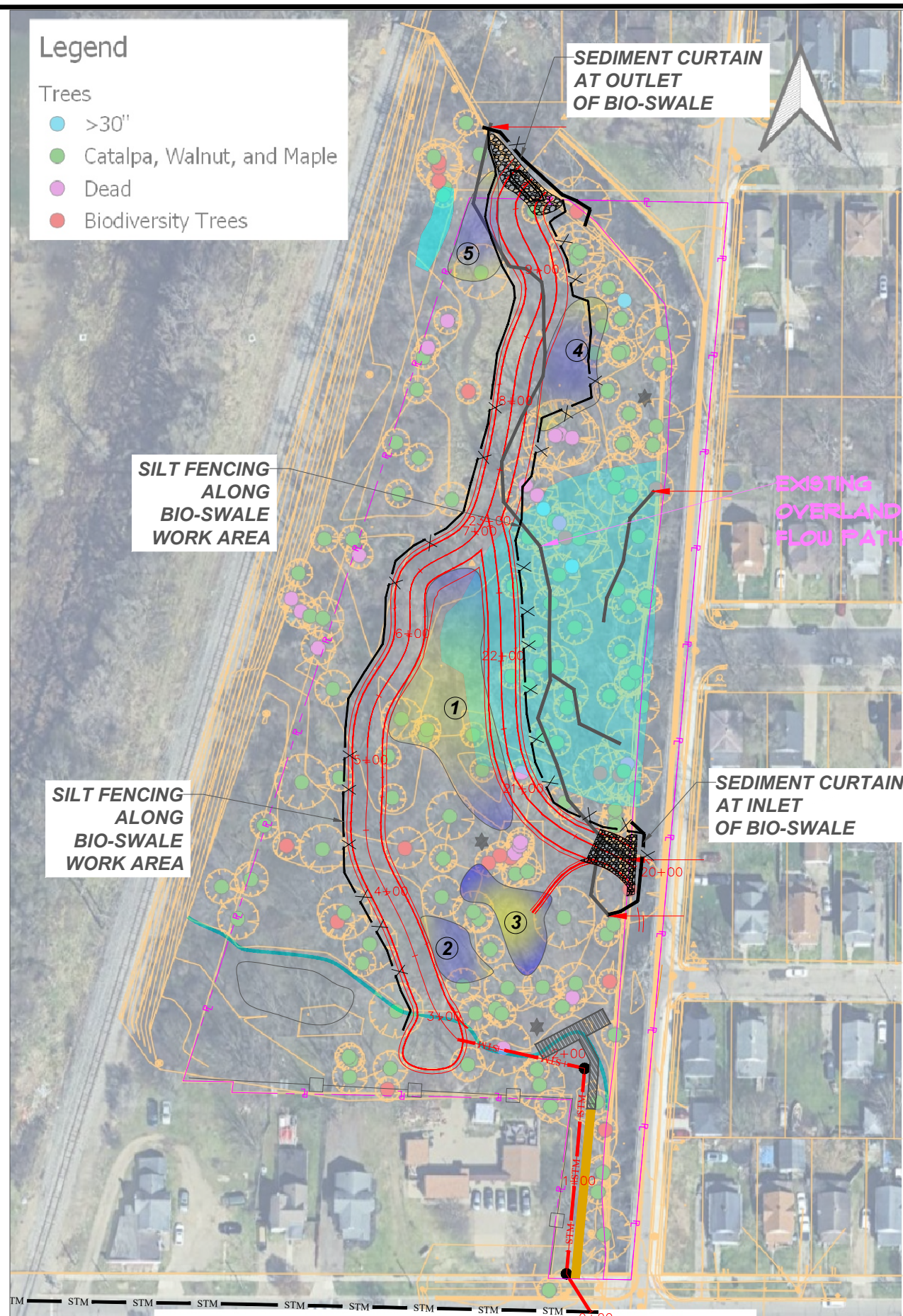
LANDSCAPE DETAILS



WORK SEQUENCE:

PROJECT IS THE RECLAMATION OF A BROWNFIELD SITE, THE PROJECT WILL BE UNDER FULL SOIL EROSION AND SEDIMENT CONTROL (SESC) MEASURES PRIOR TO CONSTRUCTION THROUGH COMPLETION.

- SILT FENCING AND SEDIMENT CURTAINS SHALL BE INSTALLED PRIOR TO ANY WORK.
- ONCE SESC MEASURES ARE IN PLACE, ALL WORK SHALL PROGRESS ALONG THE BIO-SWALE CORRIDOR TO MINIMIZE ANY DISTURBANCE OUTSIDE OF CONTROLLED AREAS. ALL EXCAVATION AND PLACEMENT OF MATERIAL SHALL STAY INSIDE OF A 30' WIDE WORK AREA, AND ALL THE EXCAVATED SOILS MUST BE REMOVED FROM THE SITE EXCEPT FOR CLEAN SAND USED FOR FILL TO SHAPE GRADE.
- THE EXCAVATION AND THE BIO-SWALE PLACEMENT SHALL TAKE PLACE SIMULTANEOUSLY. FIRST, CLEARING OF THE 30' WORK AREA, THEN EXCAVATION AND INSTALLATION OF THE BIO-SWALE STARTING ON THE MOST NORTHERN END AND PROGRESSING SOUTH TO REED STREET WITH THE SECOND BIO-SWALE TO PORTAGE CREEK INCLUDED IN THAT PROGRESSION.
- EACH 50' SECTION OF BIO-SWALE SHALL BE EXCAVATED AND INSTALLED BEFORE THE NEXT SECTION IS BEGUN. THIS WILL ENSURE THAT THE PROTECTION OF PORTAGE CREEK WHICH IS PARAMOUNT AT ALL TIMES. ALSO, THE MICRO-POOLS AND WETLAND ENHANCEMENTS SHALL BE COMPLETED SIMULTANEOUSLY ALONG WITH THE BIO-SWALES AS THE BIO-SWALE CORRIDOR WILL BE THE ONLY ALLOWABLE ACCESS FOR THE WORK.
- THE CONSTRUCTION OF THE OUTLET OF THE BIO-SWALE SHALL BE COMPLETED FIRST, AS IT WILL BE THE CONTROL STRUCTURE TO ANY SOIL EROSION AND SEDIMENT CONTROL.. A 10-FOOT WIDE AREA EXCAVATED IN FRONT OF EACH 50 FOOT AREA SHALL ACT AS A TEMPORARY SEDIMENT BASIN. THE BIO-SWALE ITSELF SHALL BE PART OF THE SOIL EROSION AND SEDIMENT CONTROL MEASURES. PLANTINGS AND FINISHING OF THE WORK ALONG THE BIO-SWALE SHALL BE COMPLETE IN EACH 50-FOOT SECTION SO AS TO FINISH THAT SECTION COMPLETELY.



SOIL EROSION & SEDIMENT CONTROL

SCALE 1"=50'

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THE CITY OF

Kalamazoo

REED COURT FLOODPLAIN AND STORMWATER IMPROVEMENT PROJECT

SOIL EROSION & SEDIMENT CONTROL

DRAWING

9

OUTLINE
S WETLAND
IMPACT BY
POOL AREA
(TYP.)

WETLAND
BOUNDARY
LINES

NOTE:
THE WETLAND
ENHANCEMENTS AND
MICRO-POOL AREAS TO BE
CREATED BY DIRECTING
WATER FROM THE
BIO-SWALES TO EXISTING
TOPOGRAPHIC CONTAINED
AREAS. NO GRADING OR
BERMING TO BE DONE.

WETLAND
IMPACT
AREA 1

WETLAND
IMPACT
AREA 2

WETLAND
IMPACT
AREA 3

IMPACTED AREAS

1"=30'

THE WETLAND ENHANCEMENTS
AND MICRO-POOL AREAS ARE NOT
INCLUDED IN THE WETLAND
IMPACT AREAS.

THE WETLAND ENHANCEMENT
AREAS TOTAL APPROXIMATELY
18,600 SQUARE FEET

WETLAND IMPACT AREAS

Area 1	5,087	ft ²
Area 2	206	ft ²
Area 3	5,308	ft ²
	10,601	ft ²

①	9,180.0
②	1,477.5
③	2,526.4
④	3,356.0
⑤	2,074.0
Total=	18,613.9

MIRO-POOLS

APPROXIMATE
PROPERTY LINE

ALL BIO-SWALES
TO HAVE 22' BOTTOMS
W/ 28' TOP WIDTHS AS
DETAILED ON SHEET 5
EXCEPTED AS NOTED

BIO-SWALES
THROUGH
SITE

SANDY PILE
FOR TURTLE NESTING

EXPECTED 100 YEAR
FLOOD ELEVATION

FENCING ALONG
PROPERTY LINE

STORMWATER
DIVERSION

SEDIMENT
TRAP (MTD)

EXISTING 18" STORM SEWER

WETLAND IMPACTS PLAN

1"=50'

BIO-SWALE OUTFLOW
W/ RAISED BERM AND
BANK PROTECTION
(SEE SHEET 5)

FROM STA 9+00
GRADUALLY INCREASE
BOTTOM WIDTH OF
BIO-SWALE TO 28'
(SEE SHEET 5)

WETLAND
ENHANCEMENT
MICRO-POOLS

BRUSH PILE
WOODY HABITAT
(TYPICAL,
3 LOCATIONS)

EXISTING
OVERLAND
FLOW PATHS

EXISTING SHEET FLOW
AREA WITH
RIVULETS
FROM CREEK

WETLAND
ENHANCEMENT
MICRO-POOLS

IN-FLOW FROM
PORTAGE CREEK
W/ BANK PROTECTION
(SEE SHEET 5)

RAISED OVERLOOK
W/ 6" STONE PATH

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**REED COURT
FLOODPLAIN
AND
STORMWATER
IMPROVEMENT
PROJECT**

**WETLAND
DELINEATION
&
PROTECTION**

DRAWING

10

WETLAND IMPACTS				
	CUT		FIELD STONE	
			Fill	
AREA1	323	CY	130	CY
AREA2	7	CY	3	CY
AREA3	794	CY	128	CY

PORTAGE CREEK BANK PROTECTION		
INFLOW	17	CY
OUTFLOW	7	CY

PART 31 FLOOD PLAIN		
CUT	1699	CY
FILL (Site)	111	CY
FILL (Stone Off-site)	838	CY
NET CUT	750	CY

OVERLOOK STRUCTURE SUPPORTS			
4x4 POSTS	40	EA	5 SFT

WETLAND IMPACTS BY MICRO-POOLS	
POOL #	AREA (ft^2)
1	2,210
3	386
4	2,517
5	878

1	9,180.0
2	1,477.5
3	2,526.4
4	3,356.0
5	2,074.0
Total=	18,613.9

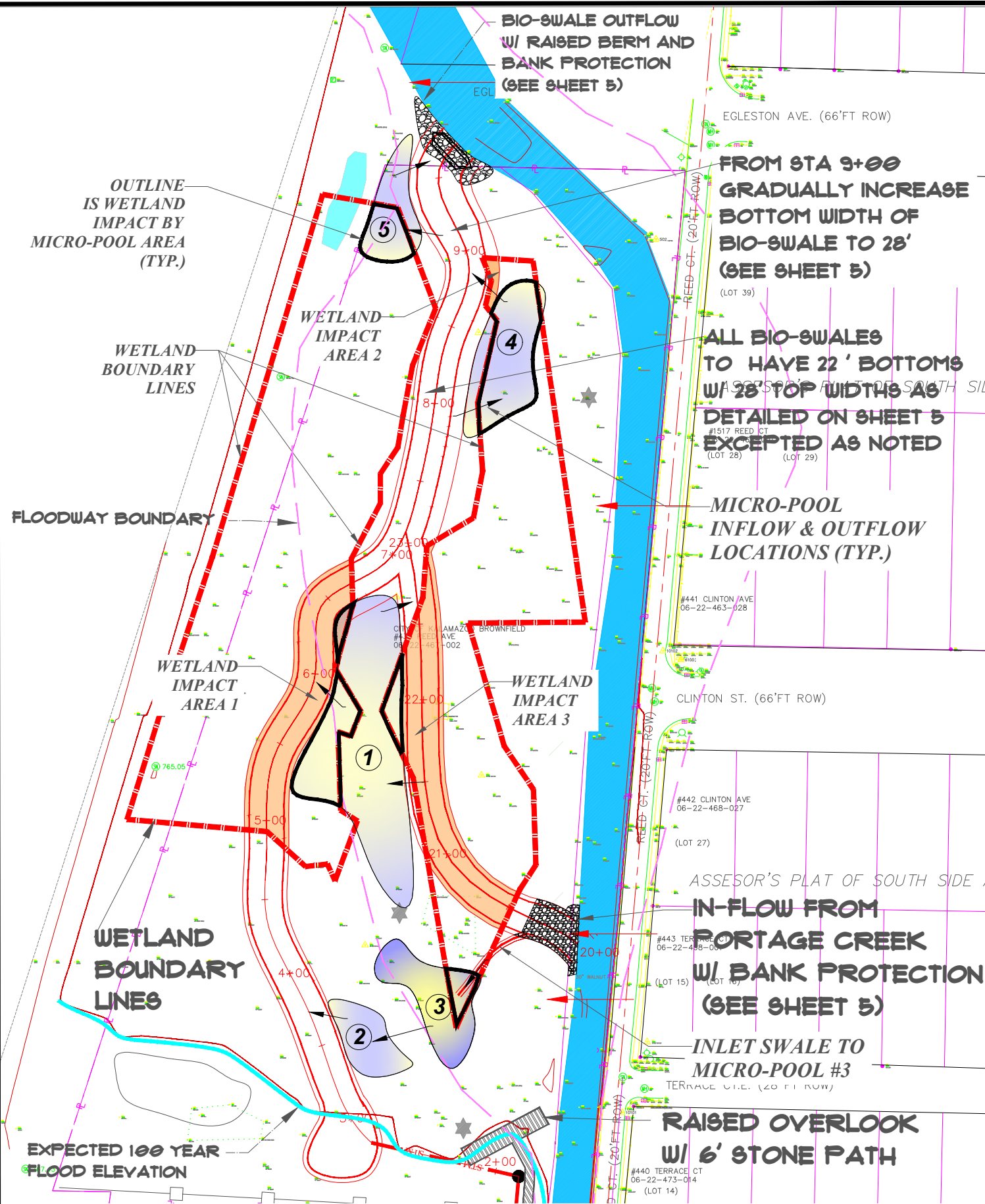
MIRO-POOLS

THE WETLAND ENHANCEMENTS AND MICRO-POOL AREAS IMPACTING WETLANDS ARE INCLUDED BY MICRO-POOL NUMBER IN THE WETLAND IMPACT AREAS AND TOTALING 5,991 FT². THEREFORE THE TOTAL WETLAND IMPACTED AREA IS 16,592 FT2 (0.381 ACRES)

THE WETLAND ENHANCEMENT BY THE MCRO-POOLS AREAS TOTAL APPROXIMATELY 18,614 SQUARE FEET

WETLAND IMPACT AREAS BY BIO0SWALES

	AREA		LENGTH		WIDTH	
Area 1	5,087	ft ²	182	ft	28	ft
Area 2	206	ft ²	34	ft	6	ft
Area 3	5,308	ft ²	190	ft	28	ft
	10,601	ft ²				



WETLAND IMPACTED AREEAS

1"=40'

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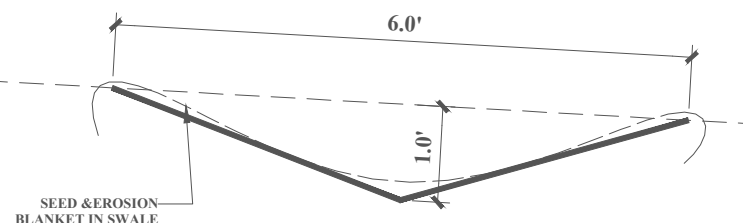
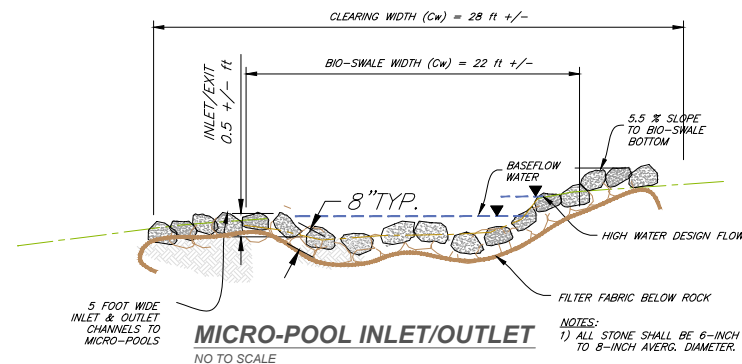
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THE CITY OF
Kalamazoo

**REED COURT
FLOODPLAIN
AND
STORMWATER
IMPROVEMENT
PROJECT**

**WETLAND
IMPACTS
PLAN**

DRAWING
10-A



NOTE:
THE WETLAND ENHANCEMENTS AND MICRO-POOL AREAS TO BE CREATED BY DIRECTING WATER FROM THE BIO-SWALES TO EXISTING TOPOGRAPHIC CONTAINED AREAS. NO GRADING OR BERMING TO BE DONE.

THE WETLAND ENHANCEMENTS AND MICRO-POOL AREAS ARE INCLUDED BY MICRO-POOL NUMBER IN THE WETLAND IMPACT AREAS AND TOTALING 5,991 FT²

THE WETLAND ENHANCEMENT BY THE MICRO-POOLS AREAS TOTAL APPROXIMATELY 18,614 SQUARE FEET

WETLAND IMPACTS BY MICRO-POOLS

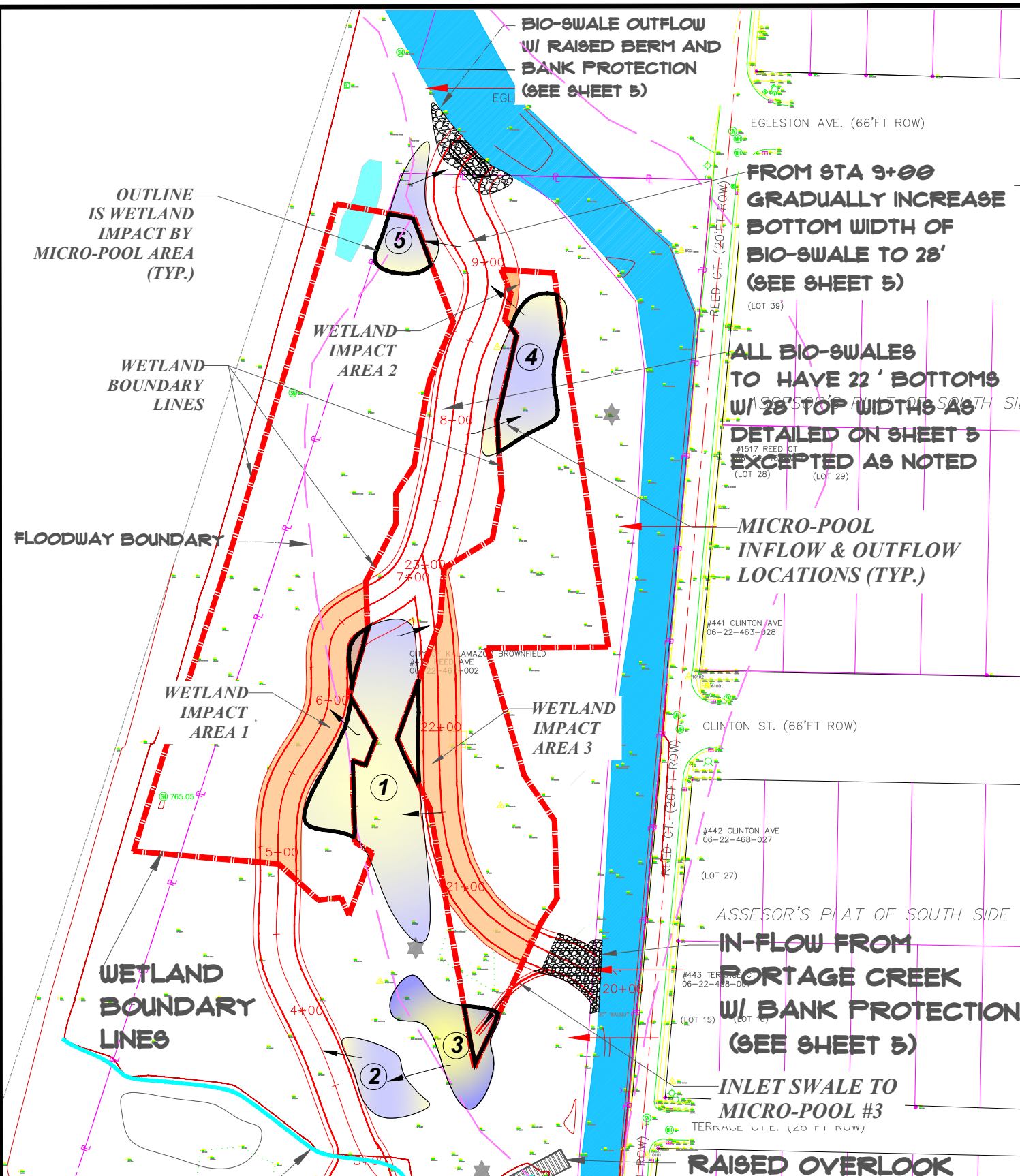
POOL #	AREA (ft ²)
1	2,210
3	386
4	2,517
5	878

1	9,180.0
2	1,477.5
3	2,526.4
4	3,356.0
5	2,074.0
Total=	18,613.9

MIRO-POOLS

WETLAND IMPACT AREAS BY BIO-SWALES

	AREA	LENGTH	WIDTH
Area 1	5,087	ft ² 182	ft 28
Area 2	206	ft ² 34	ft 6
Area 3	5,308	ft ² 190	ft 28
	10,601	ft ²	



MICRO-POOL MANAGEMENT & IMPACTED AREAS

1"=40'

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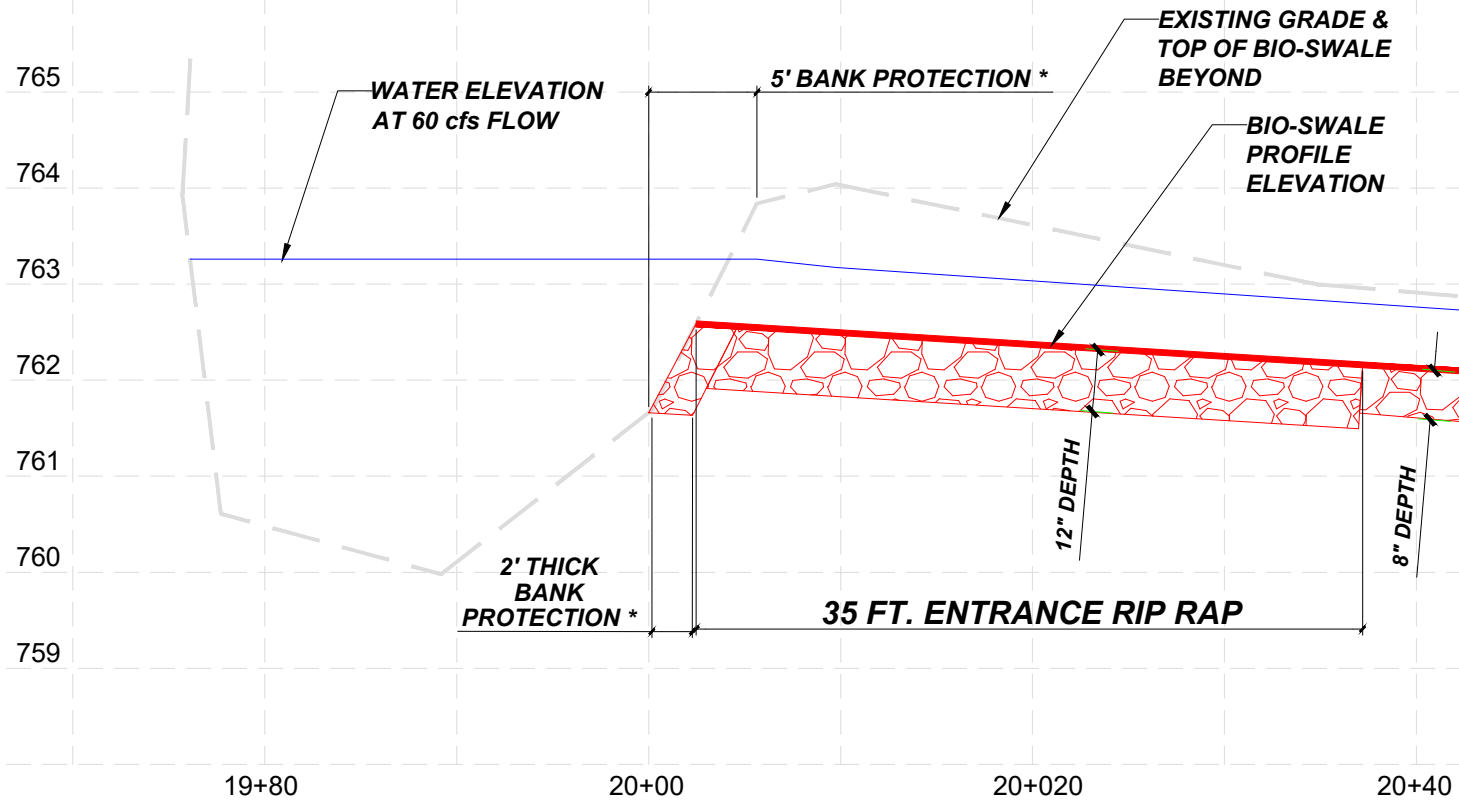
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REED COURT FLOODPLAIN AND STORMWATER IMPROVEMENT PROJECT

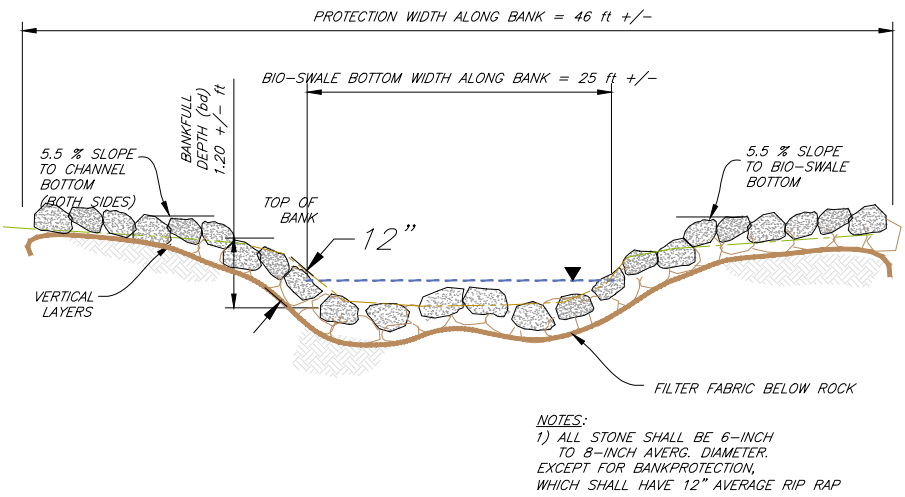
Micro-Pool Management PLAN

DRAWING
10-B

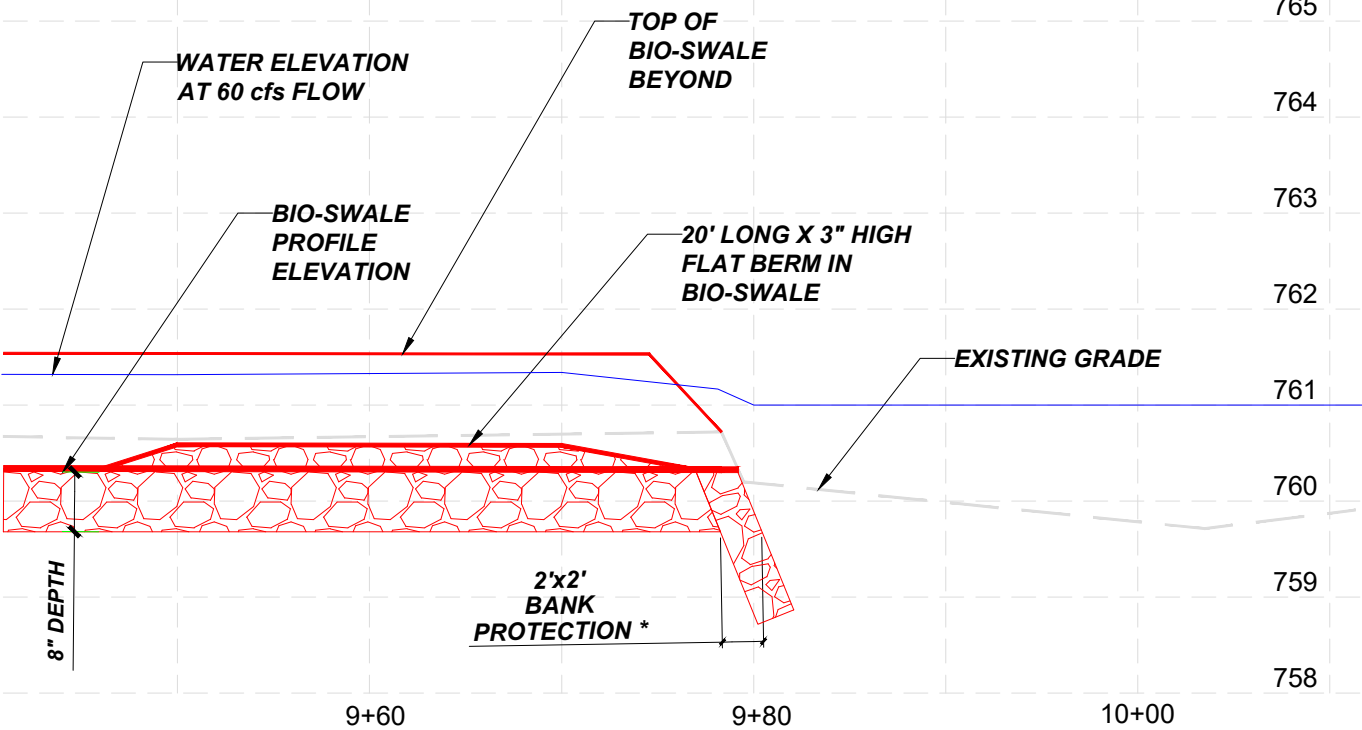


IN-FLOW PROFILE 1
1"=5' HOR. 1"=1' VERT.

* BANK PROTECTION RIP RAP SHALL BE AN AVERAGE OF 12" DIA.

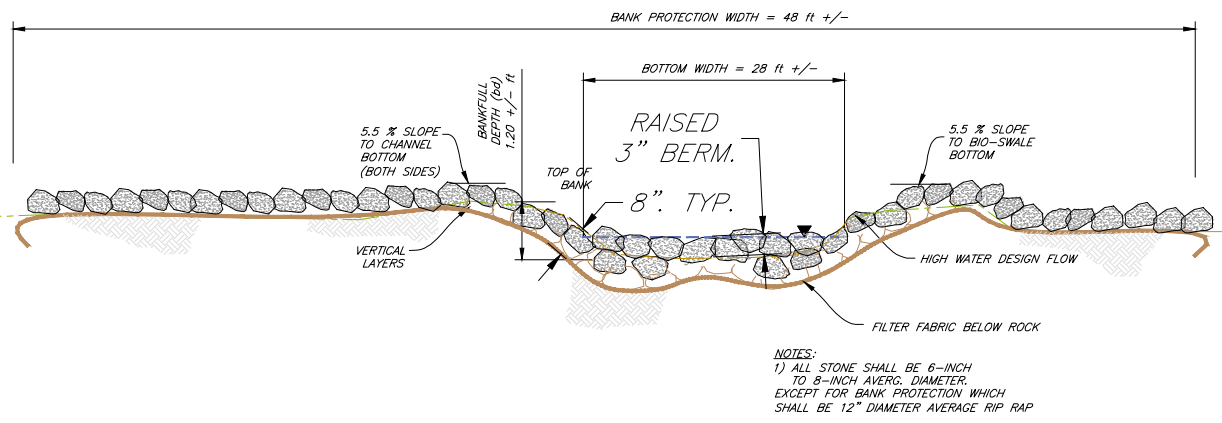


IN-FLOW SECTION 2
NOT TO SCALE



OUT-FLOW PROFILE 3
1"=5' HOR. 1"=1' VERT.

* BANK PROTECTION RIP RAP SHALL BE AN AVERAGE OF 12" DIA.



OUT-FLOW SECTION 4
NOT TO SCALE

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PORTAGE CREEK RENAISSANCE: REED COURT RESTORATION PROJECT

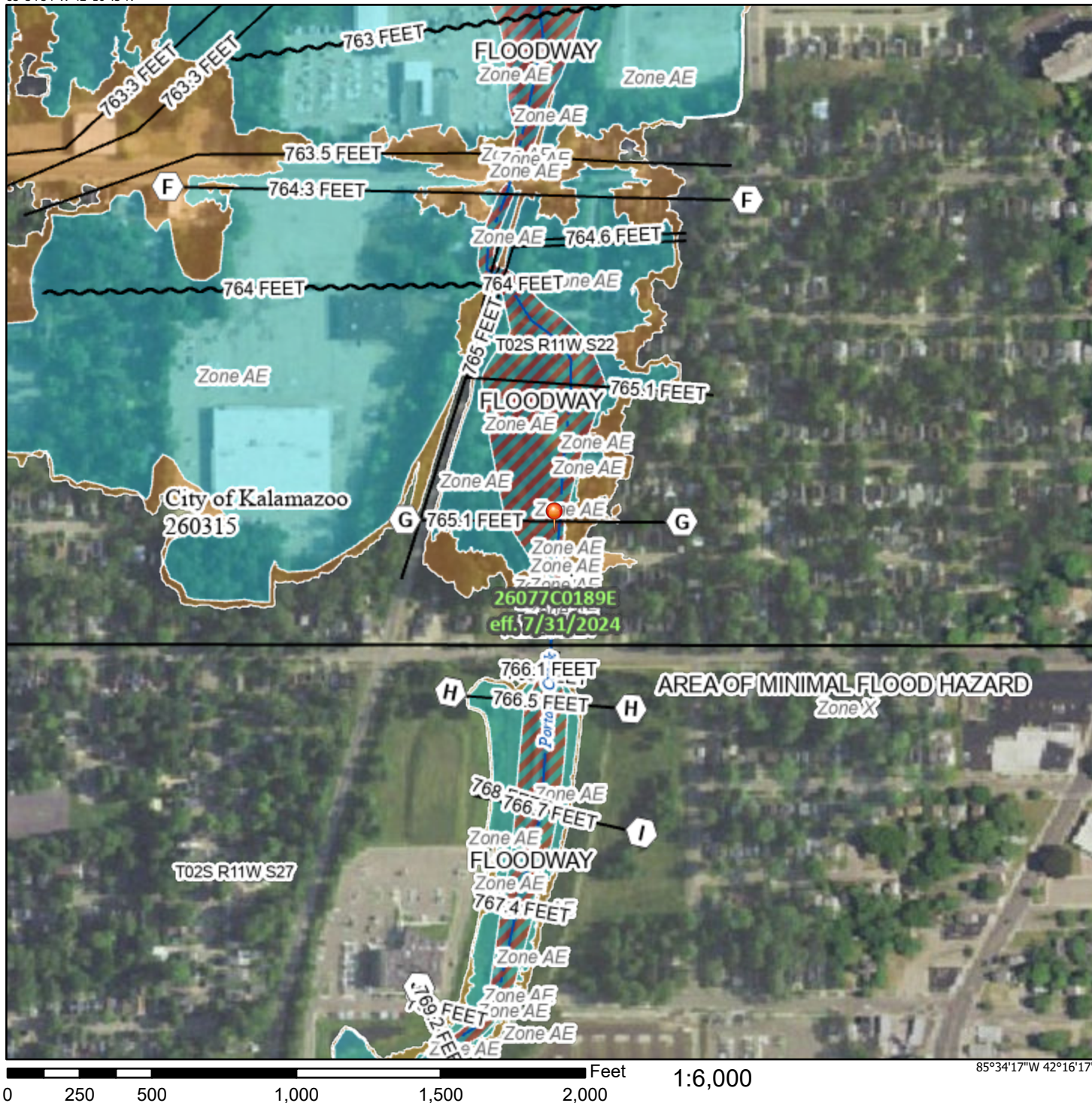
INLET / OUTLET SECTIONS

DRAWING
10-C

National Flood Hazard Layer FIRMMette



85°34'54"W 42°16'43"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
OTHER FEATURES		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/22/2024 at 11:07 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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