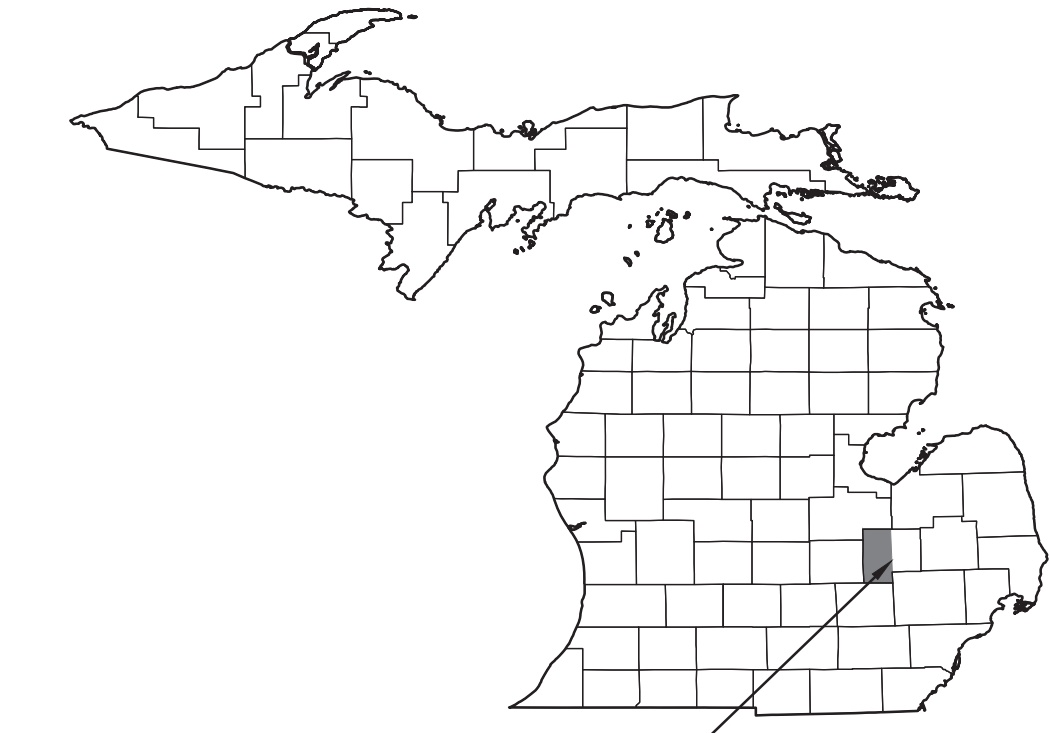


SITE CONSTRUCTION PLANS FOR FLINT STATE PARK IMPROVEMENTS (AKA "FLINT RIVERFRONT RESTORATION - PHASE 2") GENESEE COUNTY PARKS AND RECREATION COMMISSION

CITY OF FLINT GENESEE COUNTY, MICHIGAN



PROJECT LOCATION

KEY MAP
NOT TO SCALE

CLIENT

GENESEE COUNTY PARKS
Get away. Right away.
GENESEE COUNTY PARKS AND RECREATION COMMISSION
5045 E. STANLEY ROAD, FLINT MI 48506
P: 810.736.7100

SUB CONSULTANTS

- IN-RIVER DESIGN CONSULTANT: **Stantec**
STANTEC
CINCINNATI, OH 45263
P: 513.842.8200
W: WWW.STANTEC.COM
- IN-RIVER DESIGN CONSULTANT: **RIVER**
RIVER RESTORATION
P.O. BOX 248
CARBONDALE, CO 81623
P: 970.947.9568
- LIGHTING CONSULTANT: **rbl**
REED BURKETT LIGHTING DESIGN, INC.
609 E. LOCKWOOD AVENUE
SUITE 201
ST. LOUIS, MO 63119
E:
- ARCHITECT: **INTOTO**
INTOTO STUDIO
6505 WOODWARD AVE.
SUITE 200
DETROIT, MI 48202
P: 314.961.6650
E: INFO@INTOTOSUDIO.COM
- FISHERIES CONSULTANT: **ENCOMPASS**
ENCOMPASS SOCIO-ECOLOGICAL CONSULTING
MANISTEE, MI
EMAIL: MHOLGREN@ENCOMPASSLLC.ORG
P: 231.510.5535
- ENVIRONMENTAL CONSULTANT: **AKTPEERLESS**
AKT PEERLESS
214 JAMES AVE.
SAGINAW, MI 48607
P: 989.754.9896



LOCATION MAP
NOT TO SCALE



FLINT RIVER RESTORATION LIMITS
NOT TO SCALE

UTILITIES & MUNICIPALITIES	
CITY OF FLINT DEPARTMENT OF PUBLIC WORKS 3310 E. COURT STREET FLINT, MICHIGAN 48506 CONTACT: MIKE BROWN, DIRECTOR DEPARTMENT OF PUBLIC WORKS DIRECTOR PHONE: 810.766.7202, EXT. 3413	CITY OF FLINT DEPARTMENT OF PUBLIC WORKS 1101 S. SAGINAW STREET, NORTH BUILDING FLINT, MICHIGAN 48502 CONTACT: MARK ADAS, CITY ENGINEER DEPARTMENT OF PUBLIC WORKS DIRECTOR PHONE: 810.766.7165, EXT. 2601
TELEPHONE AT&T 54 NORTH MILL STREET P.O. BOX 32 PONTIAC, MICHIGAN 48342 CONTACT: MATT SLIWA PHONE: 248.877.0762	CITY OF FLINT DEPARTMENT OF PUBLIC WORKS TRAFFIC ENGINEERING DIVISION 702 WEST 12TH STREET FLINT, MICHIGAN 48502 RODNEY MCGAHA, TRAFFIC CONTROL PHONE: 810.691.3106
ELECTRIC CONSUMERS ENERGY - ELECTRIC 1801 WEST MAIN STREET OWOSSO, MICHIGAN 48867 CONTACT: TRACY MAHAR PHONE: 989.729.3250	BUS ROUTES MASS TRANSPORTATION AUTHORITY 1401 SOUTH DORT HIGHWAY FLINT, MI 48503 CONTACT: EDGAR BENNING PHONE: 810.767.6950
GAS CONSUMERS ENERGY 3201 EAST COURT STREET FLINT, MICHIGAN 48501 CONTACT: TONNA WILCOX PHONE: 810.760.3486	BUS ROUTES FLINT COMMUNITY SCHOOLS 923 EAST KEARSLEY STREET FLINT, MI 48503 CONTACT: WILLIAM CHAPMAN, OPERATIONS PHONE: 810.767.6046
CABLE TV COMCAST 2826 TELEGRAPH ROAD SOUTHFIELD, MICHIGAN 48034 CONTACT: CRAIG PUDAS PHONE: 248.809.2715	GAS CONSUMERS ENERGY 3201 EAST COURT STREET FLINT, MICHIGAN 48501 CONTACT: TONNA WILCOX PHONE: 810.760.3486
GAS CONSUMERS ENERGY 3201 EAST COURT STREET FLINT, MICHIGAN 48501 CONTACT: TONNA WILCOX PHONE: 810.760.3486	CABLE TV B&M ASHMAN C/O COMCAST 8455 RHONDA DRIVE CANTON, MICHIGAN 48187 CONTACT: BRAD TENNING PHONE: 734.777.7910
GENESEE COUNTY DRAIN COMMISSIONER - WATER AND WASTE SERVICES G-4610 BEECHER RD FLINT, MICHIGAN 48532 PHONE: 810.732.7870	FIBER OPTIC FLINT LINK, INC. (GISD) 3529 WEST GENESEE STREET LAPPEER, MICHIGAN 48446 CONTACT: TINA SNOBLEN PHONE: 810.667.2891

ISSUED FOR: **ISSUED FOR BID SET** DATE: 10/23/24 BY: SAL

JOB NO. GPA2003.01F	SHEET 1
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WADE TRIM
255 S. Saginaw Street, Suite 201
Flint, MI 48502
810.235.2856
www.wadetrिम.com

PREPARED UNDER THE SUPERVISION OF:

811
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STATE OF MICHIGAN
MICHIGAN REGISTERED PROFESSIONAL ENGINEER
No. 47446
Wade Trim, Inc. - REGISTRATION NO.

PROTECTION OF UNDERGROUND UTILITIES

THE CONTRACTOR SHALL CONTACT "MISS DIG" AT 800.482.7171, 811, OR VISIT WWW.MISSDIG.ORG, A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO EXCAVATING IN THE VICINITY OF UNDERGROUND UTILITIES TO VERIFY THEIR LOCATION. ADDITIONALLY, THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING UTILITY OWNERS WHO ARE NOT PART OF THE "MISS DIG" ALERT SYSTEM.

PROJECT MANAGER: JASON WETZEL; DESIGNER: JASON WETZEL; CHECKER: JASON WETZEL; PLOTTED: 11/7/2024 10:26 AM BY: WHALEY, RUSSELL

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DRAWING INDEX

SHEET NO.	DESCRIPTION	IFC
1	COVER SHEET	X
G1-1	DRAWING INDEX	X
G1-2	KEY MAP & PHASING PLAN - 1 RIVERBANK PARK BLOCKS	X
G1-3	KEY MAP & PHASING PLAN - 2 IRON BELLE TRAIL & VIETNAM VETERANS PARK	X
G1-4	LEGEND & ABBREVIATIONS	X
G1-5	GENERAL NOTES	X
G1-6	GENERAL NOTES - STRUCTURAL	X
G2-1	SOIL EROSION & SEDIMENTATION CONTROL DETAILS - 1	X
G2-2	SOIL EROSION & SEDIMENTATION CONTROL DETAILS - 2	X
G2-3	SOIL EROSION & SEDIMENTATION CONTROL DETAILS - 3	X
G2-4	SOIL EROSION & SEDIMENTATION CONTROL DETAILS - 4	X
G2-5	SOIL EROSION & SEDIMENTATION CONTROL PLAN - 1	X
G2-6	SOIL EROSION & SEDIMENTATION CONTROL PLAN - 2	X
G2-7	SOIL EROSION & SEDIMENTATION CONTROL PLAN - 3	X
G3-1	EXISTING CONDITIONS OVERVIEW - 1	X
G3-2	EXISTING CONDITIONS OVERVIEW - 2	X
L1-1	PLAYGROUND BLOCK - SOUTH EXISTING	X
L1-2	PLAYGROUND BLOCK - SOUTH REMOVAL	X
L1-3	PLAYGROUND BLOCK - SOUTH LAYOUT	X
L1-4	PLAYGROUND BLOCK - SOUTH GRADING	X
L1-5	PLAYGROUND BLOCK - SOUTH UTILITY	X
L1-6	PLAYGROUND BLOCK - SOUTH LANDSCAPE	X
L2-1	PLAYGROUND BLOCK - CENTRAL EXISTING	X
L2-2	PLAYGROUND BLOCK - CENTRAL REMOVAL	X
L2-3	PLAYGROUND BLOCK - CENTRAL LAYOUT	X
L2-4	PLAYGROUND BLOCK - CENTRAL GRADING	X
L2-5	PLAYGROUND BLOCK - CENTRAL UTILITY	X
L2-6	PLAYGROUND BLOCK - CENTRAL LANDSCAPE	X
L3-1	PLAYGROUND BLOCK - NORTH EXISTING	X
L3-2A	PLAYGROUND BLOCK - NORTH REMOVAL	X
L3-3A	PLAYGROUND BLOCK - NORTH LAYOUT	X
L3-4	PLAYGROUND BLOCK - NORTH GRADING	X
L3-5	PLAYGROUND BLOCK - NORTH UTILITY	X
L3-6	PLAYGROUND BLOCK - NORTH LANDSCAPE	X
L4-1	GRAND TRAVERSE ST RIFFLE ACCESS - EXISTING	X
L4-2A	GRAND TRAVERSE ST RIFFLE ACCESS - REMOVAL	X
L4-2B	GRAND TRAVERSE ST RIFFLE ACCESS REMOVAL - STRUCTURAL SECTIONS AND ISOMETRIC VIEW	X
L4-3A	GRAND TRAVERSE ST RIFFLE ACCESS - LAYOUT	X
L4-3B	GRAND TRAVERSE ST RIFFLE ACCESS STRUCTURAL PLANS AND ISOMETRIC VIEW	X
L4-3C	GRAND TRAVERSE ST RIFFLE ACCESS STRUCTURAL SECTIONS AND DETAILS	X
L4-4	GRAND TRAVERSE ST RIFFLE ACCESS - GRADING	X
L4-5	GRAND TRAVERSE ST RIFFLE ACCESS - UTILITY	X
L4-6	GRAND TRAVERSE ST RIFFLE ACCESS - LANDSCAPE	X
L5-1	AMPHITHEATER BLOCK - EXISTING	X
L5-2A	AMPHITHEATER BLOCK - REMOVAL	X
L5-2B	AMPHITHEATER BLOCK REMOVAL - STRUCTURAL PLAN, SECTIONS AND ISOMETRIC VIEW	X
L5-3A	AMPHITHEATER BLOCK - LAYOUT	X
L5-3B	AMPHITHEATER BLOCK STRUCTURAL GRADE PLAN AND ISOMETRIC VIEW	X
L5-3C	AMPHITHEATER BLOCK STRUCTURAL PROFILES AND SECTIONS	X
L5-3D	AMPHITHEATER BLOCK STRUCTURAL SECTIONS AND DETAILS	X
L5-4	AMPHITHEATER BLOCK - GRADING	X
L5-5	AMPHITHEATER BLOCK - UTILITY	X
L5-6	AMPHITHEATER BLOCK - LANDSCAPE	X
L6-1	GRAND FOUNTAIN BLOCK - EXISTING	X
L6-2A	GRAND FOUNTAIN BLOCK - REMOVAL	X
L6-2B	GRAND FOUNTAIN BLOCK REMOVAL - STRUCTURAL ISOMETRIC VIEW - 1	X
L6-2C	GRAND FOUNTAIN BLOCK REMOVAL - STRUCTURAL ISOMETRIC VIEW - 2	X
L6-2D	GRAND FOUNTAIN BLOCK REMOVAL - STRUCTURAL PLANS - 1	X
L6-2E	GRAND FOUNTAIN BLOCK REMOVAL - STRUCTURAL PLAN - 2	X
L6-2F	GRAND FOUNTAIN BLOCK REMOVAL - STRUCTURAL SECTIONS	X
L6-2G	GRAND FOUNTAIN BLOCK REMOVAL - STRUCTURAL PHOTOS - 1	X
L6-2H	GRAND FOUNTAIN BLOCK REMOVAL - STRUCTURAL PHOTOS - 2	X
L6-3A	GRAND FOUNTAIN BLOCK - LAYOUT	X

SHEET NO.	DESCRIPTION	IFC
L6-3AA	GRAND FOUNTAIN BLOCK - WORK POINT PLAN	X
L6-3B	GRAND FOUNTAIN BLOCK STRUCTURAL ISOMETRIC VIEW	X
L6-3C	GRAND FOUNTAIN BLOCK STRUCTURAL GRADE PLAN	X
L6-3D	GRAND FOUNTAIN BLOCK STRUCTURAL PLANS AND SECTIONS - 1	X
L6-3E	GRAND FOUNTAIN BLOCK STRUCTURAL PLANS AND SECTIONS - 2	X
L6-3F	GRAND FOUNTAIN BLOCK STRUCTURAL PLANS AND SECTIONS - 3	X
L6-3G	GRAND FOUNTAIN BLOCK STRUCTURAL SECTIONS - 1	X
L6-3H	GRAND FOUNTAIN BLOCK STRUCTURAL PLANS AND SECTIONS - 4	X
L6-3I	GRAND FOUNTAIN BLOCK STRUCTURAL PLAN AND SECTIONS - 5	X
L6-3J	GRAND FOUNTAIN BLOCK STRUCTURAL SECTIONS AND SCHEDULE	X
L6-3K	GRAND FOUNTAIN BLOCK STRUCTURAL SECTIONS - 2	X
L6-3L	GRAND FOUNTAIN BLOCK STRUCTURAL SECTIONS - 3	X
L6-4	GRAND FOUNTAIN BLOCK - GRADING	X
L6-5	GRAND FOUNTAIN BLOCK - UTILITY	X
L6-6	GRAND FOUNTAIN BLOCK - LANDSCAPE	X
L7-1	WATER WALL BLOCK - EXISTING	X
L7-2A	WATER WALL BLOCK - REMOVAL	X
L7-2B	WATER WALL BLOCK REMOVAL - STRUCTURAL PLAN AND ISOMETRIC VIEW	X
L7-3A	WATER WALL BLOCK - LAYOUT	X
L7-3B	WATER WALL BLOCK - STRUCTURAL PLANS, SECTION AND ISOMETRIC VIEW	X
L7-3C	WATER WALL BLOCK - STRUCTURAL SECTIONS AND DETAILS	X
L7-4	WATER WALL BLOCK - GRADING	X
L7-5	WATER WALL BLOCK - UTILITY	X
L7-6	WATER WALL BLOCK - LANDSCAPE	X
L8-1	MARKET STALL BLOCK - EXISTING	X
L8-2A	MARKET STALL BLOCK - REMOVAL	X
L8-2B	MARKET STALL BLOCK REMOVAL - STRUCTURAL PLANS, SECTION AND ISOMETRIC VIEW	X
L8-3A	MARKET STALL BLOCK - LAYOUT	X
L8-3B	MARKET STALL BLOCK STRUCTURAL PLAN AND ISOMETRIC VIEW	X
L8-3C	MARKET STALL BLOCK STRUCTURAL PROFILES	X
L8-3D	MARKET STALL BLOCK STRUCTURAL PEDESTRIAN BRIDGE PLAN, SECTIONS AND ISOMETRIC VIEW	X
L8-3E	MARKET STALL BLOCK STRUCTURAL DETAILS AND SECTIONS	X
L8-4	MARKET STALL BLOCK - GRADING	X
L8-5	MARKET STALL BLOCK - UTILITY	X
L8-6	MARKET STALL BLOCK - LANDSCAPE	X
L9-1	U OF M BLOCK - EXISTING	X
L9-2	U OF M BLOCK - REMOVAL	X
L9-3	U OF M BLOCK - LAYOUT	X
L9-4	U OF M BLOCK - GRADING	X
L9-5	U OF M BLOCK - UTILITY	X
L9-6	U OF M BLOCK - LANDSCAPE	X
L10-1	ARCHIMEDES SCREW BLOCK - WEST EXISTING	X
L10-2	ARCHIMEDES SCREW BLOCK - WEST REMOVAL	X
L10-3A	ARCHIMEDES SCREW BLOCK - WEST LAYOUT	X
L10-3B	ARCHIMEDES SCREW BLOCK - WEST STRUCTURAL	X
L10-4	ARCHIMEDES SCREW BLOCK - WEST GRADING	X
L10-5	ARCHIMEDES SCREW BLOCK - WEST UTILITY	X
L10-6	ARCHIMEDES SCREW BLOCK - WEST LANDSCAPE	X
L11-1	ARCHIMEDES SCREW BLOCK - EAST EXISTING	X
L11-2	ARCHIMEDES SCREW BLOCK - EAST REMOVAL	X
L11-3A	ARCHIMEDES SCREW BLOCK - EAST LAYOUT	X
L11-4	ARCHIMEDES SCREW BLOCK - EAST GRADING	X
L11-5	ARCHIMEDES SCREW BLOCK - EAST UTILITY	X
L11-6	ARCHIMEDES SCREW BLOCK - EAST LANDSCAPE	X
L12-1	UNDERPASS - EXISTING AND REMOVALS	X
L12-2	UNDERPASS - LAYOUT, GRADING, AND UTILITY	X
L12-3	BRIDGES - EXISTING AND REMOVALS	X
L12-4	BRIDGES - LAYOUT, GRADING, AND UTILITY	X
L12-5	KEARSLEY STREET MODIFICATIONS	X
L13-1	IRON BELLE TRAIL - EXISTING CONDITIONS & REMOVALS - 1	X
L13-2	IRON BELLE TRAIL - LAYOUT, GRADING & LANDSCAPE - 1	X
L14-1	IRON BELLE TRAIL - EXISTING CONDITIONS & REMOVALS - 2	X
L14-2	IRON BELLE TRAIL - LAYOUT, GRADING & LANDSCAPE - 2	X
L15-1	IRON BELLE TRAIL - EXISTING CONDITIONS & REMOVALS - 3	X
L15-2	IRON BELLE TRAIL - LAYOUT, GRADING & LANDSCAPE - 3	X
L16-1	IRON BELLE TRAIL - EXISTING CONDITIONS & REMOVALS - 4	X
L16-2	IRON BELLE TRAIL - LAYOUT, GRADING & LANDSCAPE - 4	X
L17-1	IRON BELLE TRAIL - EXISTING CONDITIONS & REMOVALS - 5	X
L17-2	IRON BELLE TRAIL - LAYOUT, GRADING & LANDSCAPE - 5	X
L18-1	VIETNAM VETERANS PARK - EXISTING AND REMOVALS	X
L18-2	VIETNAM VETERANS PARK - LAYOUT, GRADING, UTILITY, LANDSCAPE	X
L19-1	IRON BELLE TRAIL - EXISTING CONDITIONS & REMOVALS - 7	X
L19-2	IRON BELLE TRAIL - LAYOUT, GRADING & LANDSCAPE - 7	X
L20-1	RIVER OUTFALLS	X
L20-2	RIVER OUTFALLS - DETAILS	X
L21-1	SITE DETAILS - 1	X
L21-2	SITE DETAILS - 2	X
L21-3	SITE DETAILS - 3	X
L21-4	SITE DETAILS - 4	X
L21-5	SITE DETAILS - 5	X

SHEET NO.	DESCRIPTION	IFC
L22-1	GENERAL STRUCTURAL DETAILS - 1	X
L22-2	GENERAL STRUCTURAL DETAILS - 2	X
L22-3	GENERAL STRUCTURAL DETAILS - 3	X
L22-4	CONCRETE REHABILITATION DETAILS - 1	X
L22-5	CONCRETE REHABILITATION DETAILS - 2	X
L22-6	CONCRETE REHABILITATION DETAILS - 3	X
L23-1	LANDSCAPE - DETAILS	X
E1-1	LIGHTING DIAGRAMS	X
E1-2	LIGHTING DIAGRAMS	X
E1-3	LIGHTING DIAGRAMS	X
E1-4	LIGHTING DIAGRAMS	X
E1-5	LIGHTING DIAGRAMS	X
E1-6	PANELBOARD SCHEDULES	X
E1-7	LIGHTING SCHEDULE	X
E1-8	LIGHTING - DETAILS	X
E1-9	LIGHTING - DETAILS	X
E1-10	LIGHTING - DETAILS	X
E1-11	LIGHTING - DETAILS	X
E2-1	BRIDGE LIGHTING ANCHORAGE DETAILS	X
AG-1	ARCHITECTURAL GENERAL NOTES	X
AG-2	ARCHITECTURAL SPECIFICATIONS	X
A1-1	ARCHITECTURAL PLANS AND DEMOLITION PLANS	X
A2-1	ROOF PLAN AND EXTERIOR ELEVATIONS	X
A3-1	INTERIOR ELEVATIONS AND SCHEDULES	X
M0-1	MECHANICAL NOTES, SYMBOLS AND LEGEND	X
M1-1	PLUMBING DEMOLITION AND NEW WORK PLAN	X
M2-1	HVAC DEMOLITION AND NEW WORK PLAN	X
M3-1	MECHANICAL DETAILS, CONTROLS, AND SCHEDULE	X
M4-1	MECHANICAL SPECIFICATIONS	X
E-0-1	ELECTRICAL LEGEND, TABLES AND GENERAL NOTES	X
E1.1	ELECTRICAL DEMOLITION AND NEW PLAN	X
E2.1	ELECTRICAL SPECS	X
MOT-1	MAINTENANCE OF TRAFFIC	X
MOT-2	MAINTENANCE OF TRAFFIC	X
MOT-3	MAINTENANCE OF TRAFFIC	X
MOT-4	MAINTENANCE OF TRAFFIC	X
MOT-5	MAINTENANCE OF TRAFFIC	X
MOT-6	MAINTENANCE OF TRAFFIC	X
MOT-7	MAINTENANCE OF TRAFFIC	X
MOT-8	MAINTENANCE OF TRAFFIC	X

PROJECT MANAGER: JESSICA WOODRUFF, CIVIL ENGINEER
 DESIGNER: JESSICA WOODRUFF, CIVIL ENGINEER
 CHECKER: JESSICA WOODRUFF, CIVIL ENGINEER
 DATE: 11/18/2024 11:17 AM BY: WOODRUFF, JESSICA

REV#	DATE	DESCRIPTION	BY

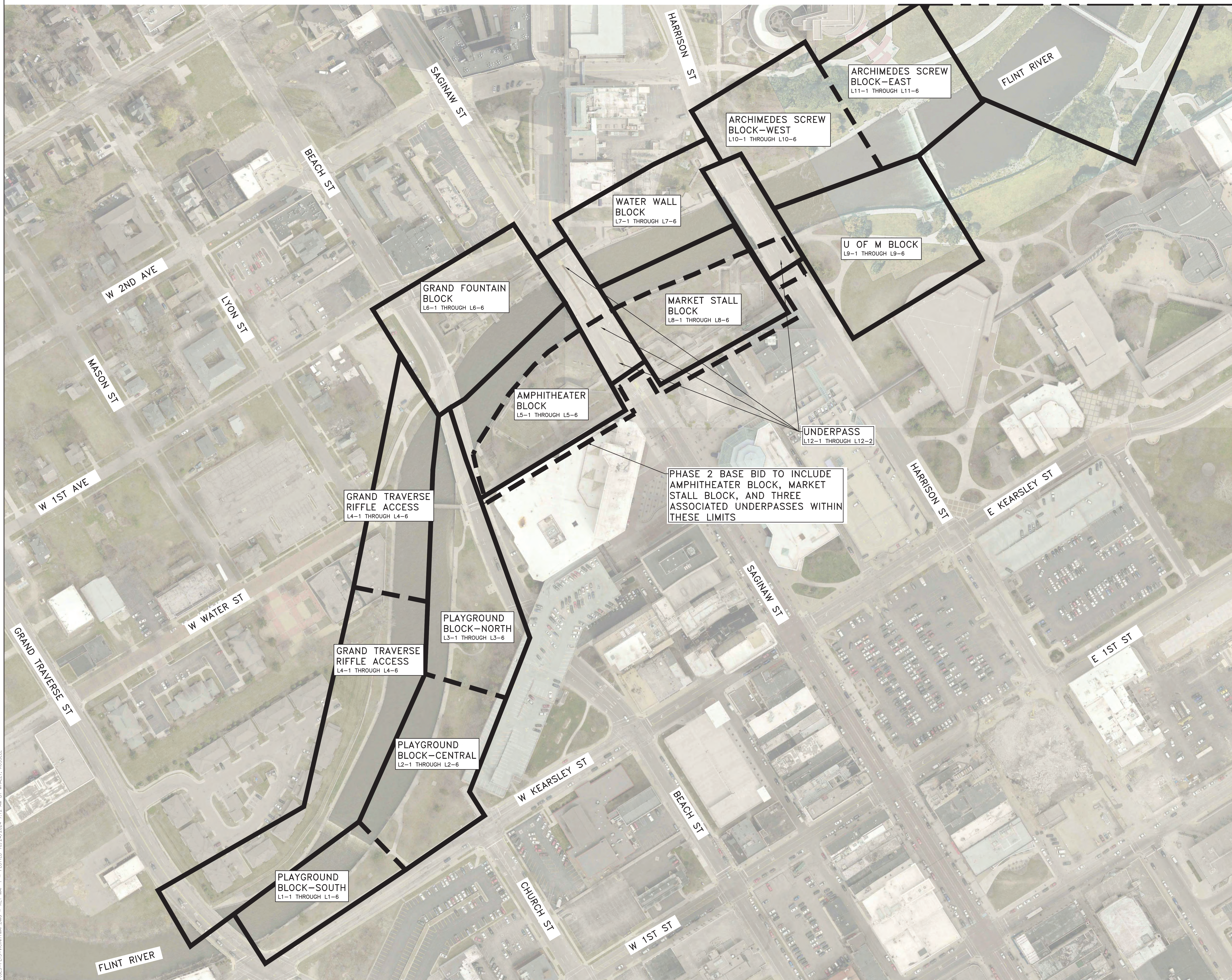


GENESEE COUNTY PARKS & REC
 5045 E. STANLEY ROAD
 FLINT, MI 48906

FLINT RIVERFRONT RESTORATION - PHASE 2

ISSUED FOR: (FB)	DATE: 10/23/24	BY: SAL
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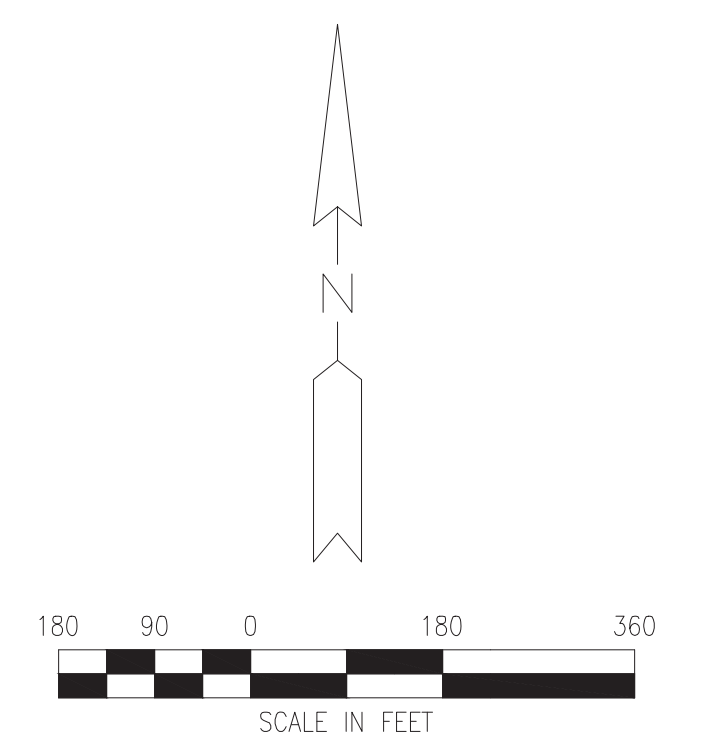
JOB NO. GPA200301F	SHEET
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PHASING NOTES:

PHASING 2 LIMITS SHALL INCLUDE AMPHITHEATER BLOCK, MARKET STALL BLOCK, AND THE THREE ASSOCIATED UNDERPASSES. IN ADDITION, PHASE 2 SHALL ALSO INCLUDE SAFETY IMPROVEMENTS ALONG THE RIVERFRONT OF THE DOWNTOWN BLOCKS INCLUDING TYPE A SAFETY RAILING REPLACEMENT IN THE AREAS NOTED ON THE BLOCK ENLARGEMENT SITE LAYOUT PLANS, REMOVAL AND REPLACEMENT OF ALL RIVER EGRESS LADDERS, AND ALL USCG LIFE RINGS.

CONTRACTOR SHALL ALSO REPLACE ALL NON-FUNCTIONAL LIGHT FIXTURES IN THE EXISTING PEDESTRIAN LIGHT POLES AND REPAIR ELECTRICAL WIRING AS NEEDED IN ALL BLOCKS EXCEPT THE BASE BID BLOCKS (AMPHITHEATER BLOCK, MARKET STALL BLOCK, AND THE THREE ASSOCIATED UNDERPASSES). IN THOSE BASE BID BLOCKS, CONTRACTOR SHALL INSTALL PROPOSED ELECTRICAL SYSTEMS AND LIGHTING PER PLAN.



VICINITY MAP
1"=180'

PROJECT MANAGER: [Name], FIELD SUPERVISOR: [Name], DESIGNER: [Name], DATE: 10/23/24, PLOTTED: 10/24/2024, 7:12 AM BY WAHLEY, RUSSELL

REV#	DATE	DESCRIPTION	BY

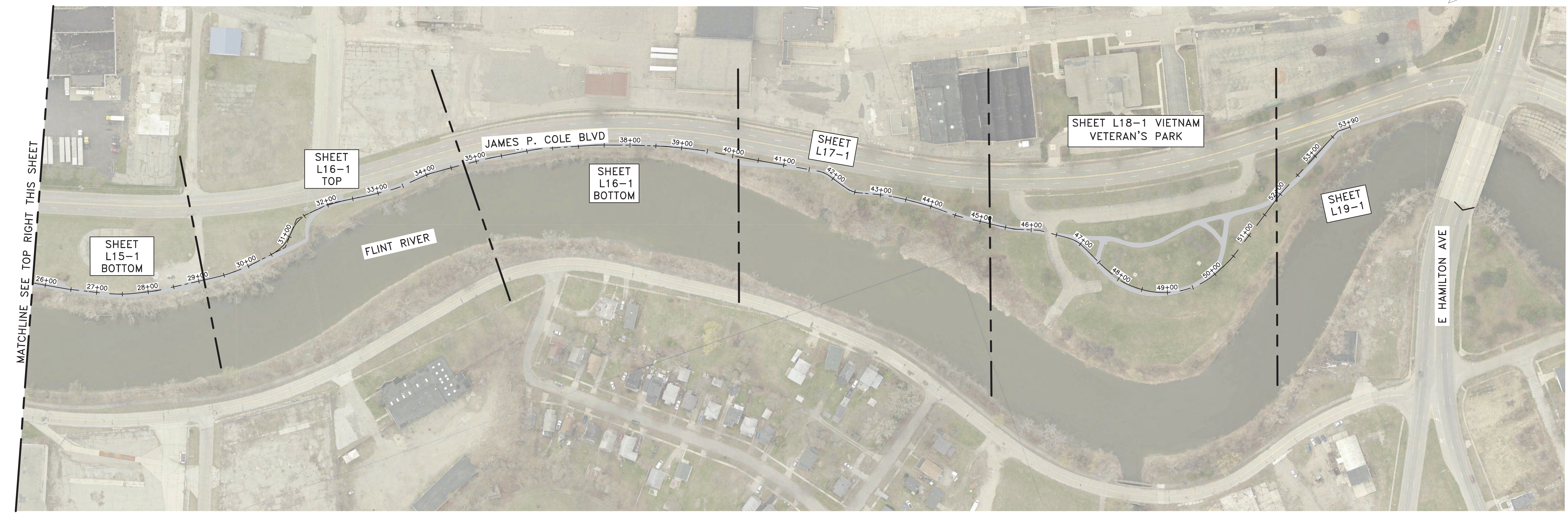
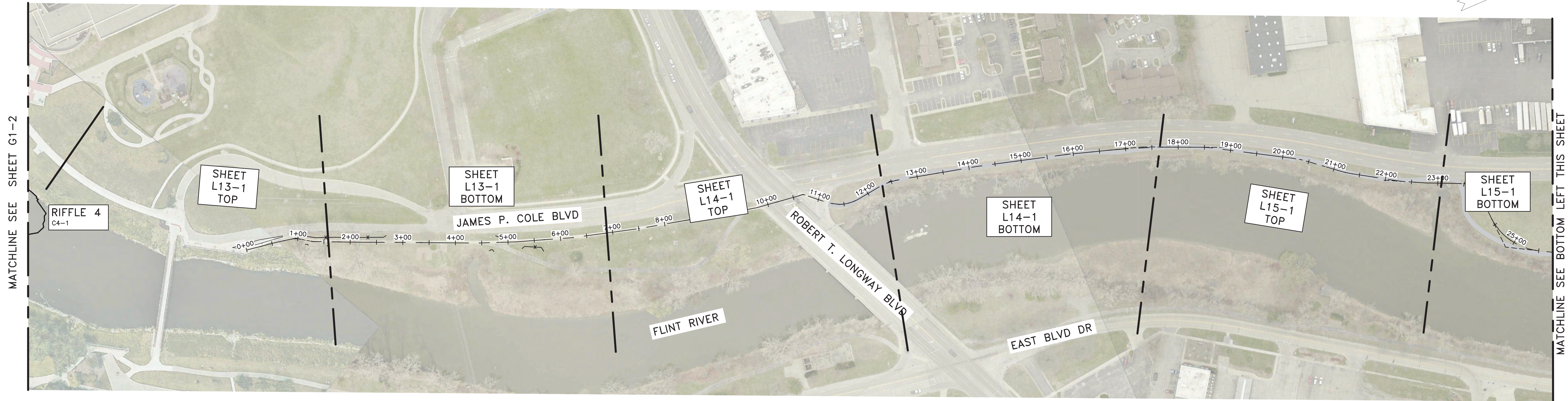


GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
KEY MAP & PHASING PLAN - 1
RIVERBANK PARK BLOCKS

ISSUED FOR: [Name]	DATE: 10/23/24	BY: SAL	JOB NO: GPA200301F
SHEET			G1-2

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PROJECT MANAGER: JAMES WATSON; FIELD PLANNING: JAMES WATSON; DESIGN: JAMES WATSON; CHECKED: JAMES WATSON; PLOTTED: 10/24/2024 9:13 AM BY: WANLEY, RUSSELL



REV#	DATE	DESCRIPTION	BY



GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
KEY MAP & PHASING PLAN- 2
IRON BELLE TRAIL & VIETNAM VETERANS PARK

ISSUED FOR: FBI	DATE: 10/23/24	BY: SAL
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JOB NO. GPA200301F
SHEET G1-3



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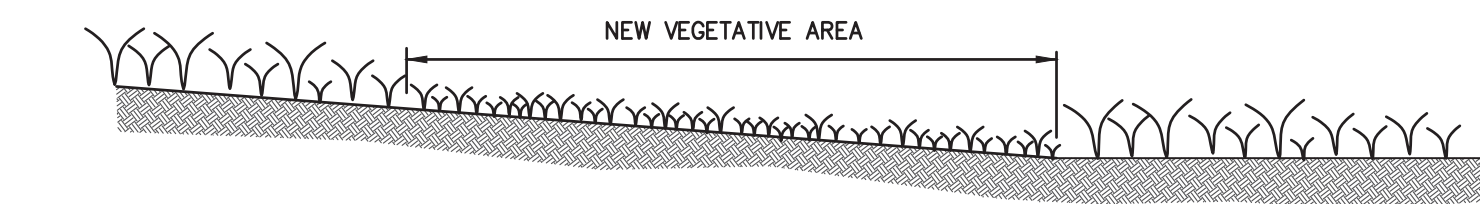
TEMPORARY SEEDING APPLICATIONS

1. WHEN AN AREA NEEDS STABILIZATION DURING A BREAK IN CONSTRUCTION.
2. TO STABILIZE SOIL AND PREVENT OR REDUCE SOIL EROSION/SEDIMENTATION PROBLEMS FROM DEVELOPING.
3. USED ON CONSTRUCTION AND EARTH CHANGE SITES WHICH REQUIRE TEMPORARY VEGETATIVE STABILIZATION.

DESIGN

1. REVIEW SESC PLAN AND CONSTRUCTION PHASING TO IDENTIFY AREAS IN NEED OF TEMPORARY VEGETATIVE STABILIZATION.
2. SELECT ANNUAL GRASS SEED FOR TEMPORARY COVER AREAS. SEED MIXES MAY VARY, SHOULD ONLY CONTAIN ANNUAL, NON-AGGRESSIVE SPECIES, AND GENERALLY INCLUDE RYE, WHEAT OR OAT SPECIES. SEED MIXES SHOULD OBTAINED THROUGH CONSULTATION WITH A CERTIFIED SEED PROVIDER AND WITH CONSIDERATION OF SOIL TYPE, LIGHT, MOISTURE AND USE APPLICATION.
4. PREPARE SEEDBED BY REMOVAL OF CONSTRUCTION AND WOODY DEBRIS. THEN SCARIFY OR RAKE SEEDBED.
5. SLOPES STEEPER THAN 1:3 SHOULD BE ROUGHENED.
6. APPLY SEED AS SOON AS POSSIBLE AFTER SEEDBED PREPARATION. MULCH IMMEDIATELY AFTER SEEDING ALL SLOPES, UNSTABLE SOILS, HEAVY CLAY SOILS AND ALL AREAS ADJACENT TO WETLANDS, WATERCOURSES, OR SENSITIVE AREAS.
7. PROTECT SEEDED AREAS FROM PEDESTRIAN OR VEHICULAR TRAFFIC.
8. DIVERT CONCENTRATED FLOWS AWAY FROM THE SEEDED AREA UNTIL VEGETATION IS ESTABLISHED.
9. INSPECT TEMPORARY SEEDED AREAS WEEKLY AND FOLLOWING EACH RAIN EVENT UNTIL FINAL GRADING AND STABILIZATION ARE COMPLETED.
10. TEMPORARY SEEDING MUST BE FOLLOWED BY PERMANENT SEEDING.

PERMANENT SEEDING APPLICATIONS



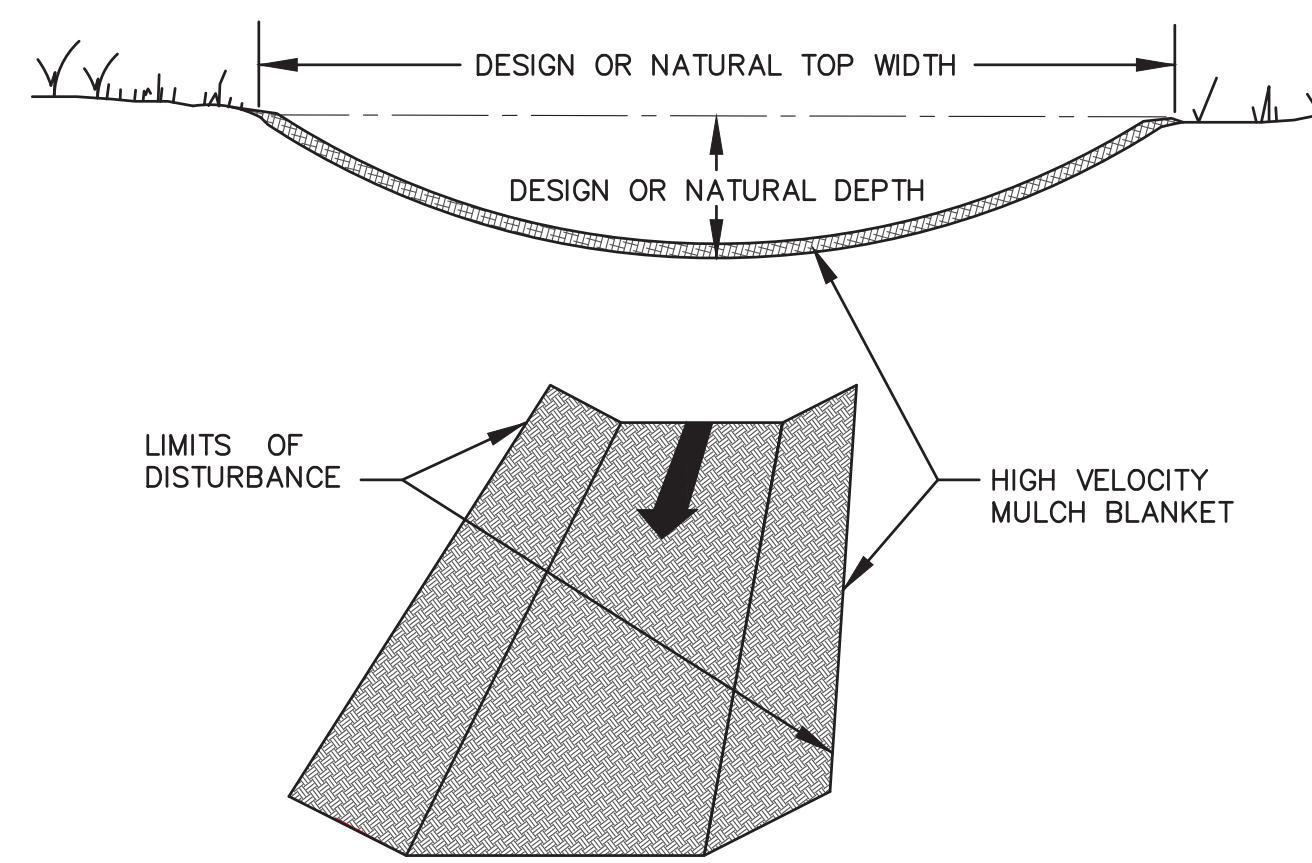
1. TO FINALIZE STABILIZATION OF TEMPORARY SEEDING AREAS OR WHEN AN AREA NEEDS PERMANENT STABILIZATION FOLLOWING COMPLETION OF CONSTRUCTION. ALSO USED WHEN VEGETATIVE ESTABLISHMENT CAN CORRECT EXISTING SOIL EROSION OR SEDIMENTATION PROBLEM.
2. TO STABILIZE SOIL AND PREVENT OR REDUCE SOIL EROSION/SEDIMENTATION PROBLEMS FROM DEVELOPING.
3. USED ON CONSTRUCTION AND EARTH CHANGE SITES WHICH REQUIRE PERMANENT VEGETATIVE STABILIZATION.

DESIGN

1. REVIEW SESC PLAN AND CONSTRUCTION PHASING TO IDENTIFY AREAS IN NEED OF PERMANENT VEGETATIVE STABILIZATION.
2. SELECT PERENNIAL GRASS AND GROUND COVER FOR PERMANENT COVER.
3. SEED MIXES MAY VARY BUT SHOULD BE SELECTED THROUGH CONSULTATION WITH A CERTIFIED SEED PROVIDER AND WITH CONSIDERATION OF SOIL TYPE, LIGHT, MOISTURE, USE APPLICATIONS, AND NATIVE SPECIES CONTENT.

VEGETATIVE STABILIZATION [4]

NOT TO SCALE



APPLICATIONS

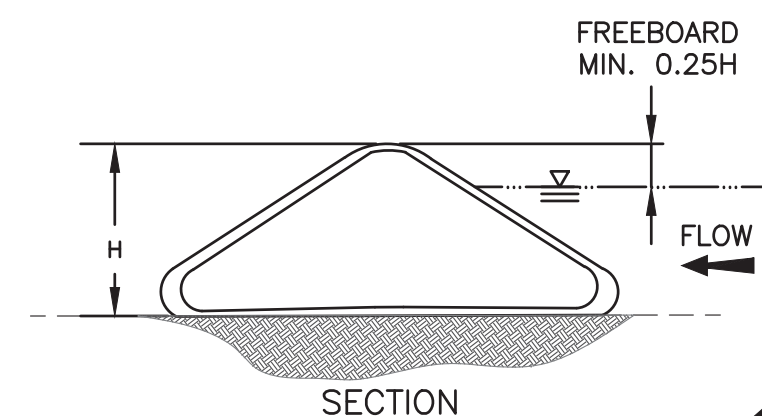
1. STEEP SLOPES.
2. CHANNEL AND ROADSIDE DITCH BOTTOMS.
3. USE HYDROSEED OR CRIMPED STRAW TO STABILIZE THE GRASSED LINED CHANNEL, IMMEDIATELY AFTER GRADING (ONE DAY MAX).
4. MUST NOT BE PLACED ON FROZEN SOIL: MUST REMAIN IN CONTACT WITH SEED AND SOIL.
5. MUST BE USED DURING THE NON-GROWING SEASON TO MINIMIZE EROSION UNTIL VEGETATION IS ESTABLISHED.

SEEDING WITH MULCH BLANKET AND/OR MATTING [6]

NOT TO SCALE

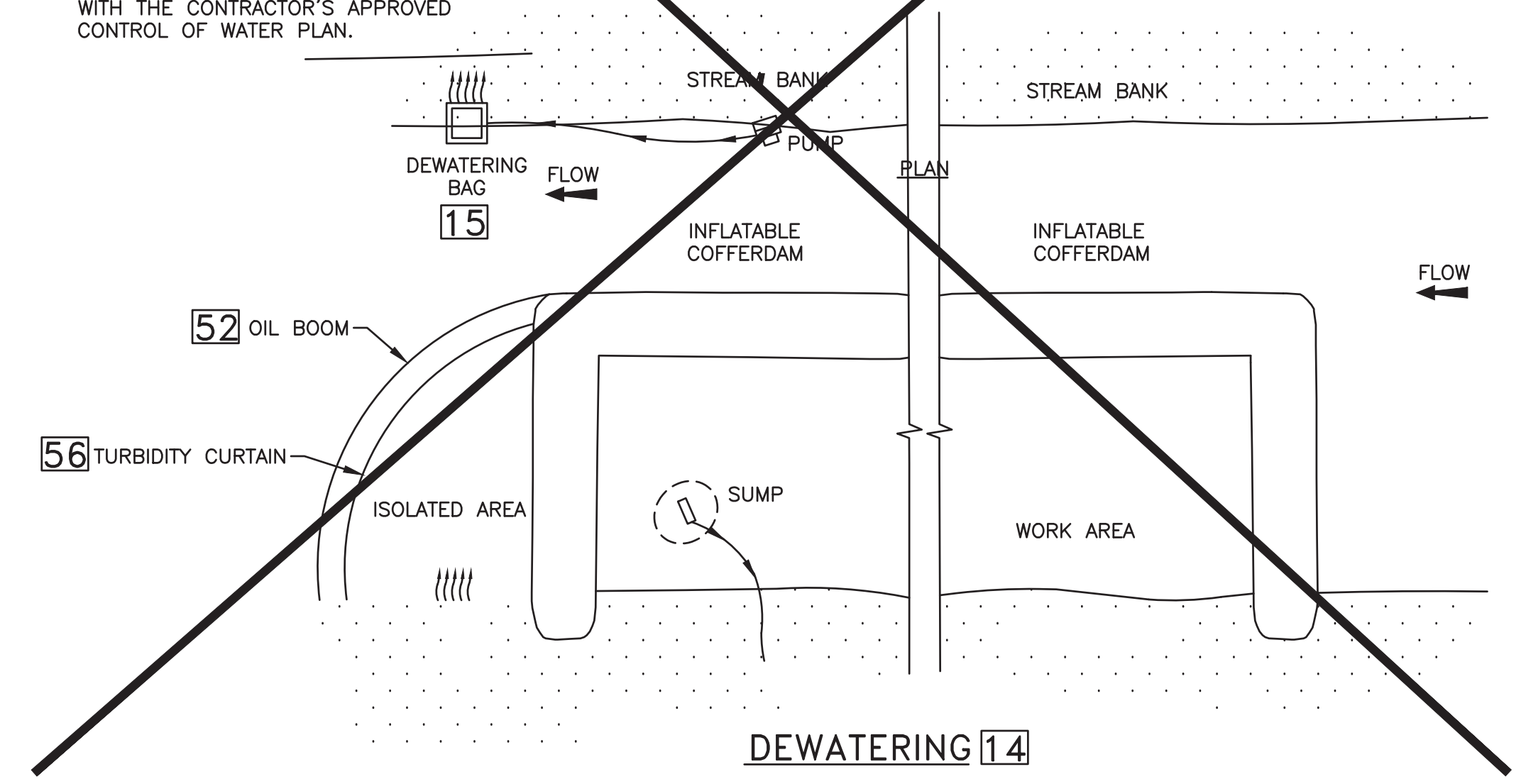
NOTES:

1. DEWATERING IS REQUIRED FOR WORK ABOVE THE CONSUMERS ENERGY CAP.
2. WATER ACCUMULATING WITHIN THE WORK AREA SHALL BE PUMPED TO A WATER FILTER BAG AND DISCHARGED TO AN AREA ISOLATED BY AN OIL BOOM AND TURBIDITY CURTAIN IN THE FLINT RIVER.
3. SUMP SHALL HAVE A MINIMUM DEPTH OF 1' AND A MINIMUM DIAMETER OF 2'.
4. COFFERDAMS SHALL HAVE A MINIMUM FREEBOARD OF 0.25H.
5. TURBIDITY CURTAINS AND OIL BOOMS SHALL BE INSTALLED DOWNSTREAM OF WORK AREAS PRIOR TO BEGINNING WORK AND SHALL BE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS, DUE CARE PLAN, AND PERMITS.
6. WORK AREA SHALL BE ISOLATED BY A TEMPORARY COFFERDAM INSTALLED AND MAINTAINED PER MANUFACTURERS RECOMMENDATIONS AND IN ACCORDANCE WITH THE CONTRACTOR'S APPROVED CONTROL OF WATER PLAN.



INFLATABLE COFFERDAM

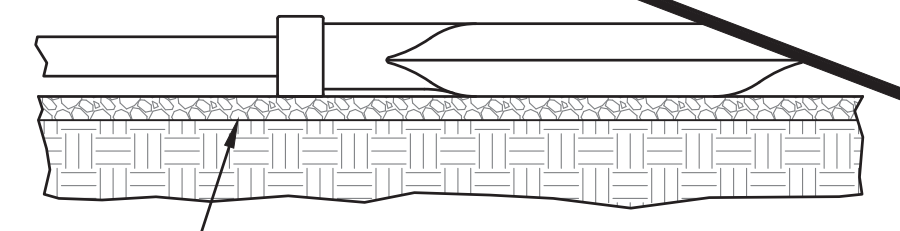
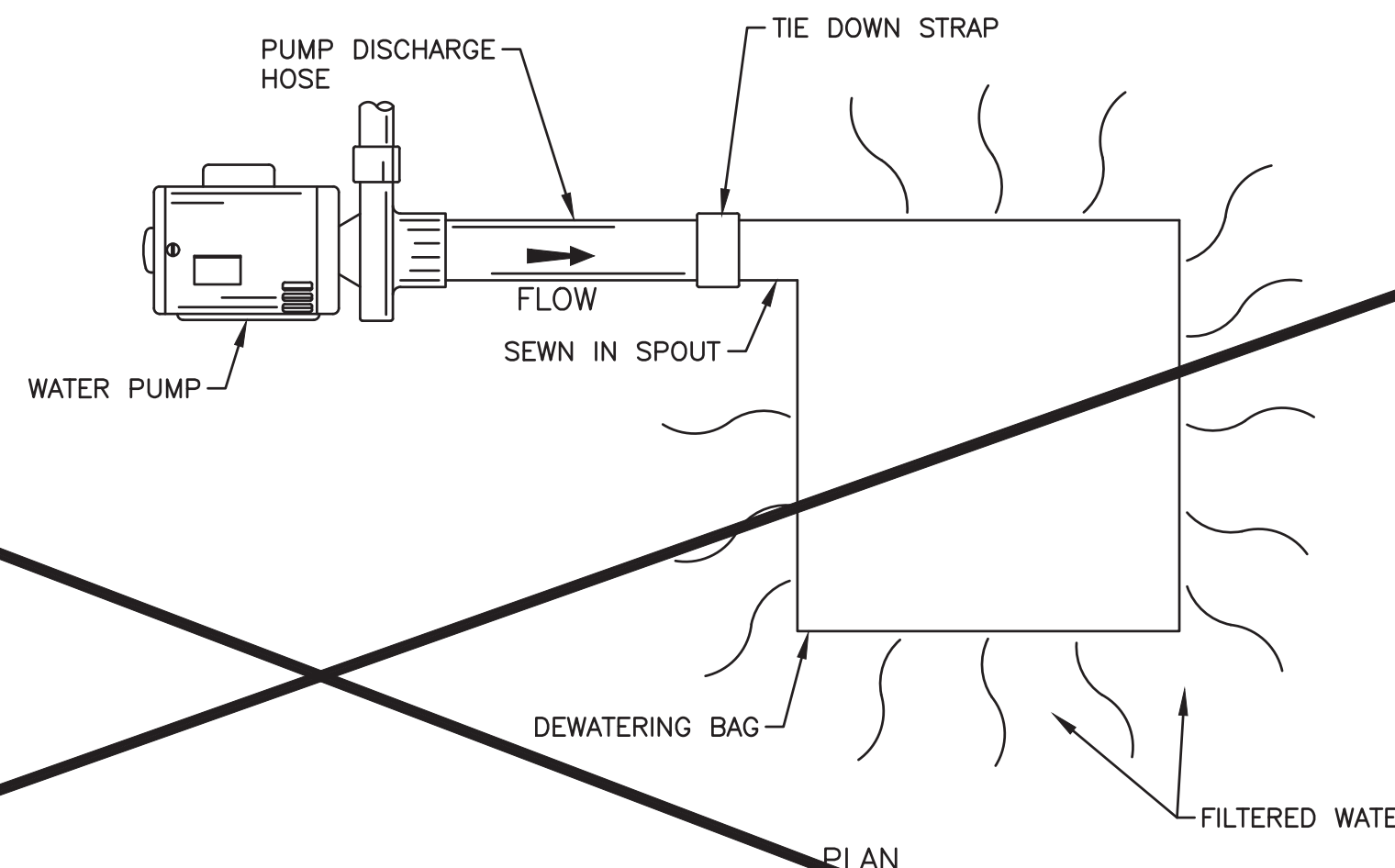
NOT TO SCALE



DEWATERING [14]

NOT TO SCALE

DEWATERING BAG SPECIFICATIONS			
MECHANICAL PROPERTIES	TEST METHOD	UNITS	MARV
GRAB TENSILE STRENGTH	ASTM D 4632	KN (LBS)	0.9 (205) X 0.9 (205)
GRAB TENSILE ELONGATION	ASTM D 4632	%	50 X 50
PUNCTURE STRENGTH	ASTM D 4833	KN (LBS)	0.58 (130)
MULLEN BURST STRENGTH	ASTM D 3786	KPA (PSI)	2618 (380)
TRAPEZOID TEAR STRENGTH	ASTM D 4533	KN (LBS)	0.36 (80) X 0.36 (80)
UV RESISTANCE	ASTM D 4533	%	70
APPARENT OPENING SIZE	ASTM D 4751	MM (US STD SIEVE)	0.18 (80)
FLOW RATE	ASTM D 4491	1/MIN/M ² (GAL/MIN/FT ²)	3866 (95)
PERMITTIVITY	ASTM D 4491	SEC ⁻¹	1.20

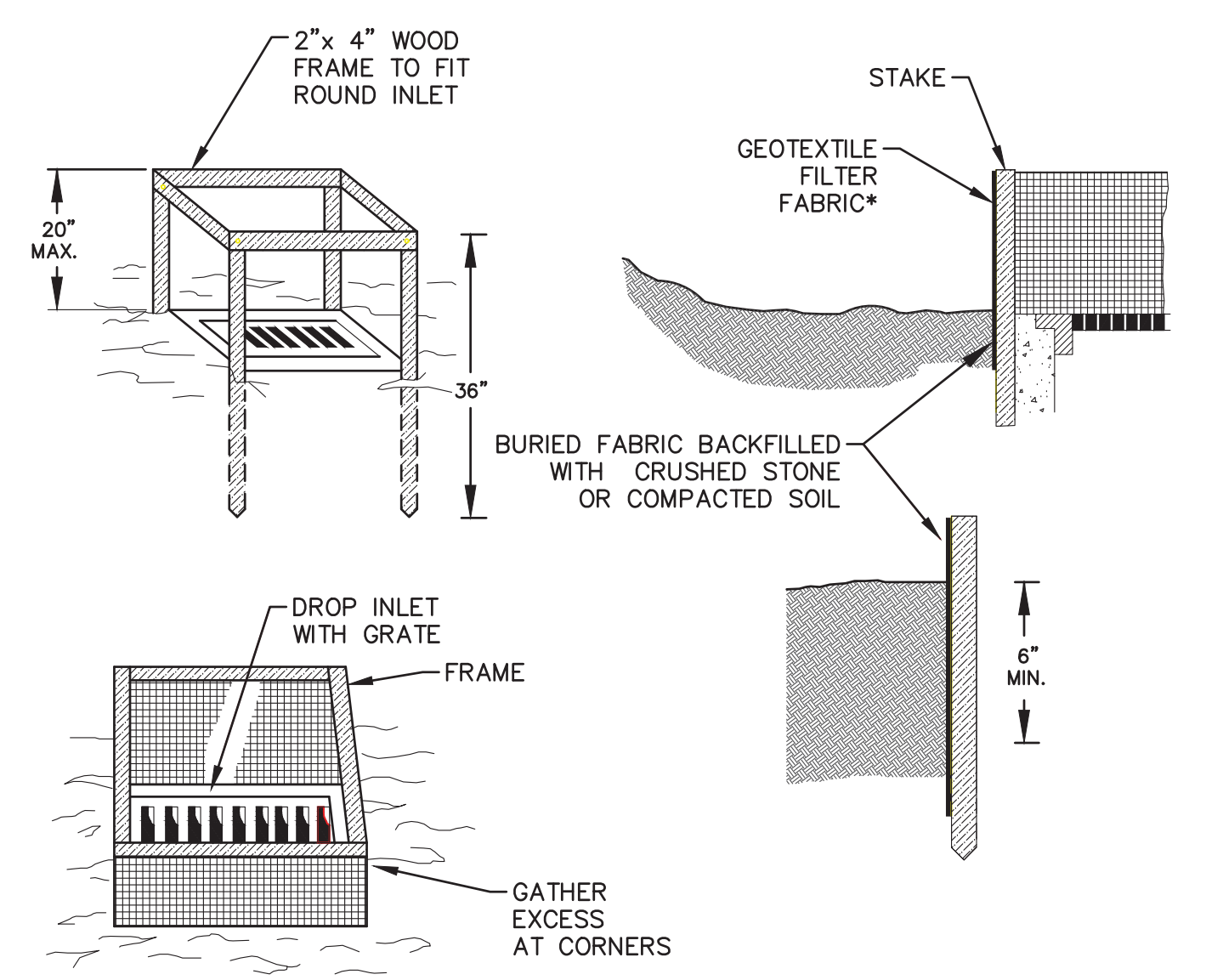


DEWATERING BAG [15]

NOT TO SCALE

NOTES:

1. DEWATERING BAGS SHALL MEET THE SPECIFICATIONS LISTED IN THE TABLE OF DEWATERING BAG SPECIFICATION.
2. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED.
3. BAGS SHALL BE DISCHARGE ONTO STABLE, EROSION-RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEO-TEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES GREATER THAN 5%, CLEAN ROCK OR OTHER NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.
4. THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.
5. DEWATERING BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.



APPLICATIONS

1. INLETS WITH DRAINAGE OF 1 ACRE OR LESS AND SLOPES LESS THEN 5%.
2. SERVICE, CLEAN AND REPAIR AFTER EACH STORM EVENT.

*** NOTE ***

DO NOT USE SILT FENCE IN LIEU OF FILTER FABRIC FOR THIS APPLICATION.

DESIGN

1. FILTER BAGS MAY BE PLACED IN THE MANHOLE TO INCREASE THE EFFECTIVENESS OF THIS DEVICE.
2. IN SOME CASES FILTER BAGS IN THE MANHOLE MAY BE USED ALONE.
3. WARNING! THIS DEVICE MAY CAUSE FLOODING OF ADJACENT PROPERTY!
4. TOP OF FRAME (PONDING HEIGHTS) MUST BE LOWER THAN GROUND ELEVATION DOWN STREAM TO PREVENT BYPASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY DOWN SLOPE OF THE STRUCTURE.

CATCH BASIN INLET PROTECTION [36]

NOT TO SCALE

PROJECT MANAGER: Jason Kopyov
C:\P\WORK\21061530\001-PLTS-COUNTYDETAILS.DWG - 02-2 - PLOTTED: 11/17/2024 12:06 PM BY: WJWLEY, RUSSELL

REV#	DATE	DESCRIPTION	BY

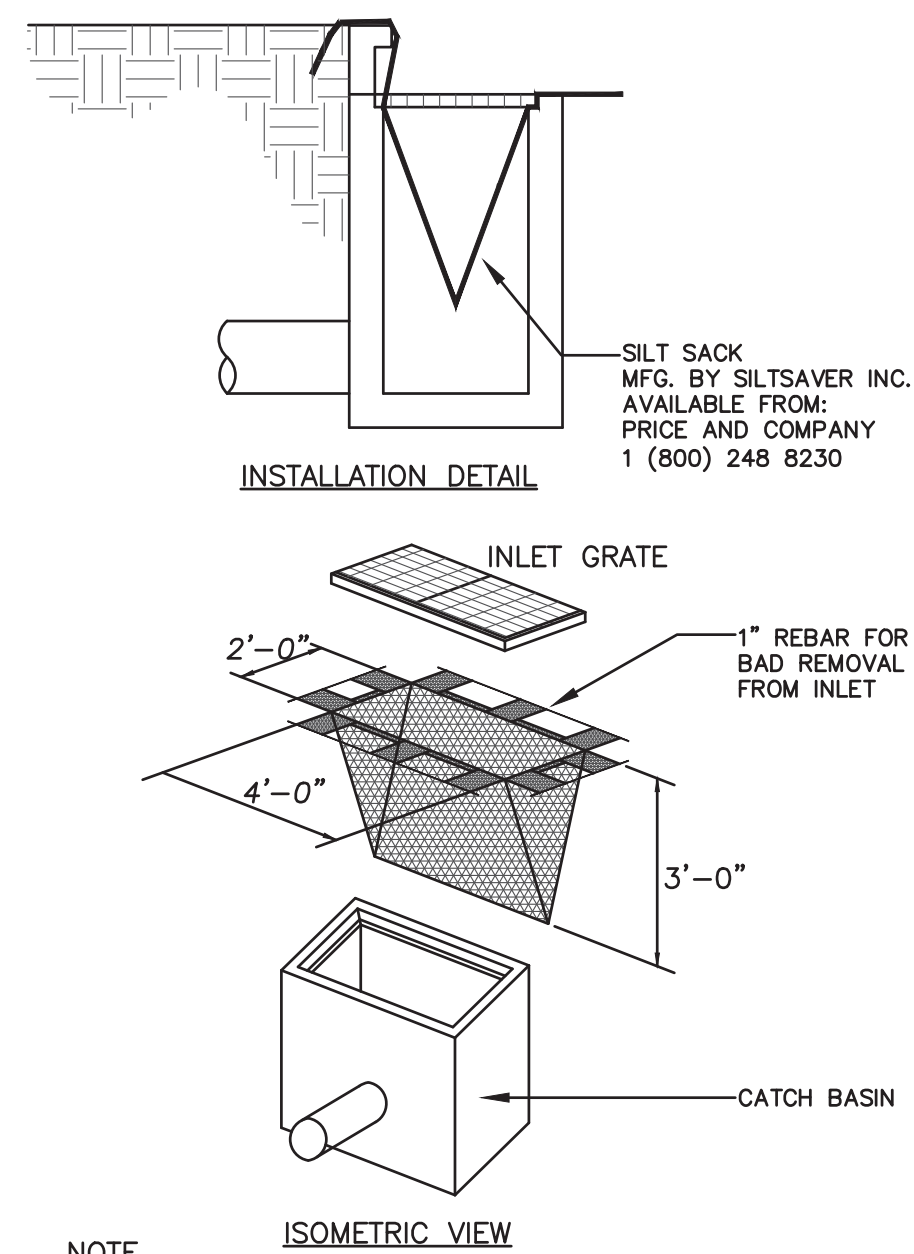


GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48906

FLINT RIVERFRONT RESTORATION - PHASE 2
SOIL EROSION & SEDIMENTATION CONTROL DETAILS - 2

ISSUED FOR: IFB	DATE: 10/23/24	BY: GAL	JOB NO.: GPA200301F
SHEET			G2-2

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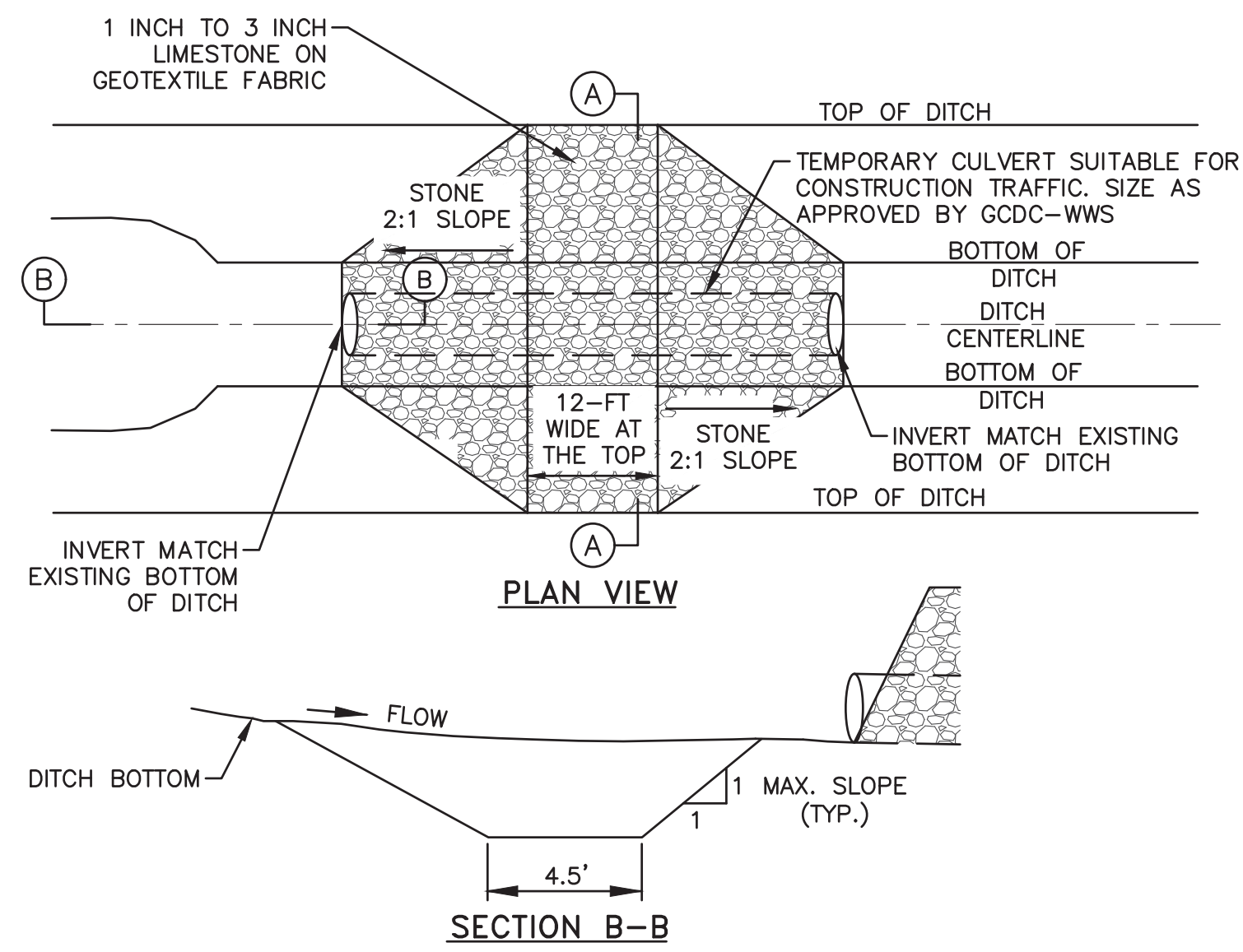
INSTALLATION DETAIL

SILT SACK
MFG. BY SILTSAVER INC.
AVAILABLE FROM:
PRICE AND COMPANY
1 (800) 248 8230

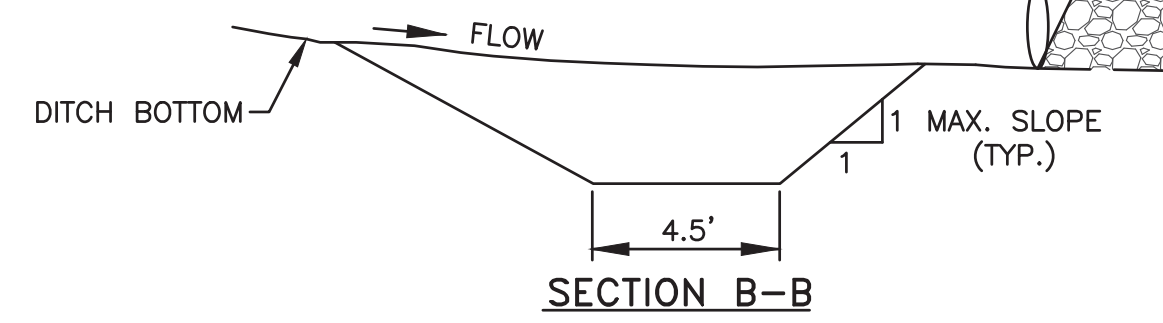
ISOMETRIC VIEW

- NOTE**
1. APPLIES TO AREAS WHERE CB IS SURROUNDED BY PAVEMENT
- MAINTENANCE**
1. INSPECT WEEKLY AND AFTER EACH RAIN EVENT
 2. REPLACE DAMAGED FILTER BAGS OR CLOGGED FABRIC IMMEDIATELY
 3. IF UPON INSPECTION REPAIRS ARE NEEDED, INITIATE IMMEDIATELY
 4. MAINTAIN BAGS THROUGHOUT CONSTRUCTION UNTIL PROJECT IS COMPLETE OR OWNER ACCEPTS PROJECT
 5. CLEAN SUMP OF CATCH BASIN UPON COMPLETION OF PROJECT

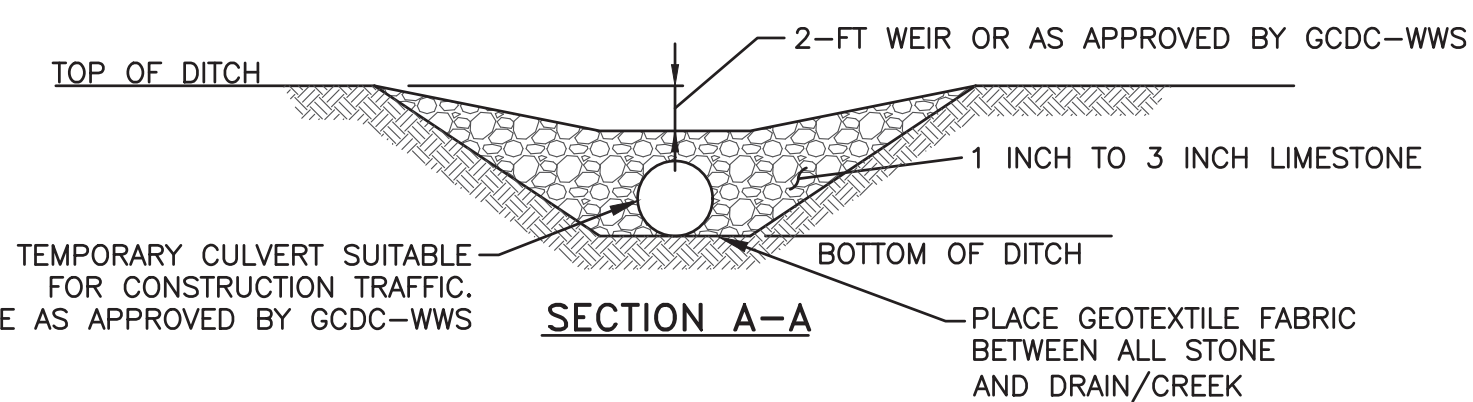
SILT SACK 39
NOT TO SCALE



PLAN VIEW



SECTION B-B

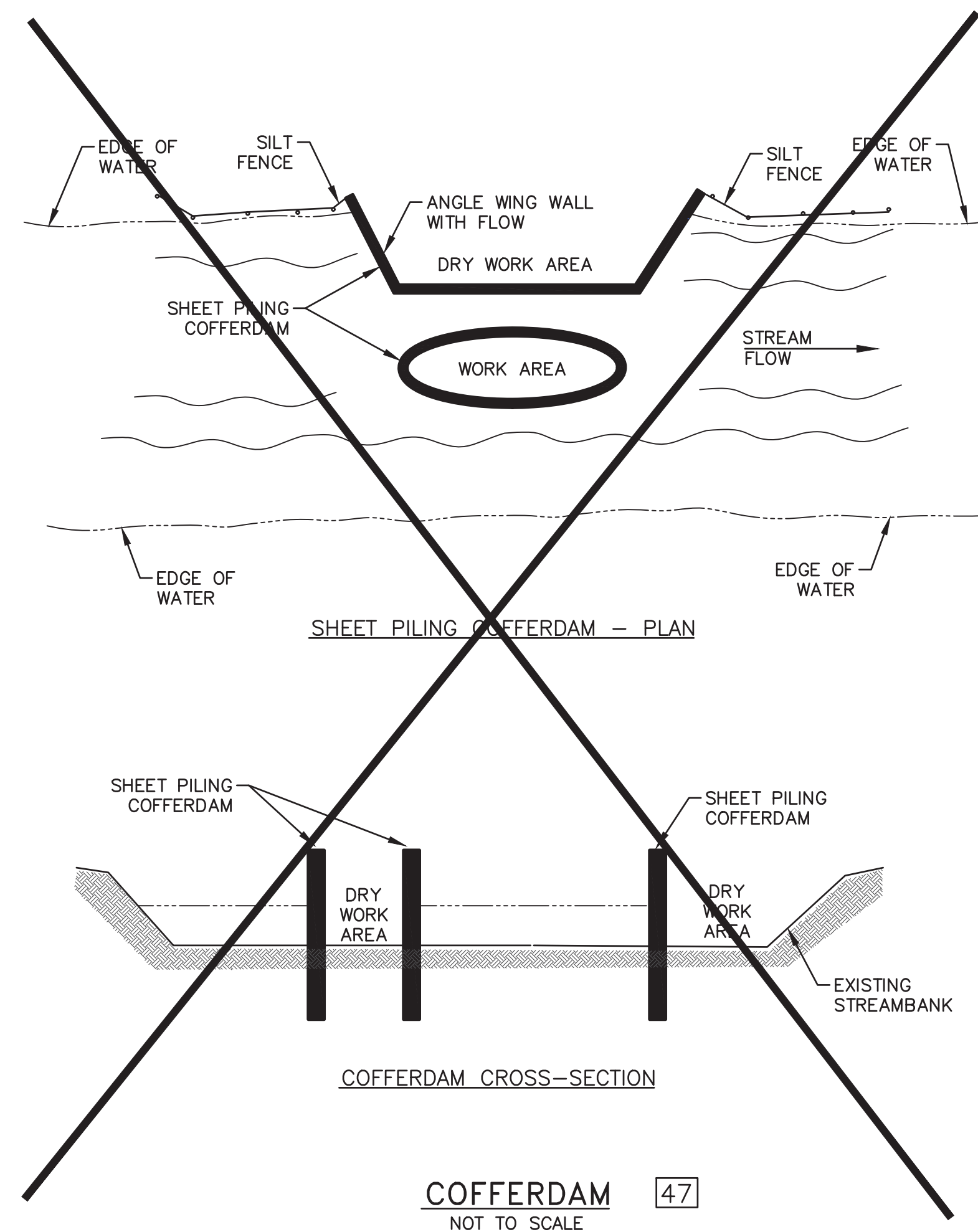


SECTION A-A

NOTES:

1. FORDING, DRIVING OR MOVING CONSTRUCTION EQUIPMENT OR VEHICLES THROUGH THE DITCH BED IS NOT PERMITTED AT ANY TIME.
2. TEMPORARY CROSSINGS SHALL BE REMOVED WITHIN TWO WEEKS OF THE WORK REACHING THE NEXT CROSS ROAD.
3. ALL STONE USED FOR THE TEMPORARY CROSSING SHALL BE REMOVED FROM THE DITCH.
4. SEED AND HIGH VELOCITY MULCH BLANKETS SHALL BE USED TO RESTORE DITCH BANKS.
5. 3 TO 6 INCH SIZE STONE SHALL BE USED TO RESTORE THE BOTTOM OF THE DITCH.
6. CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR DAMAGE DUE TO WET WEATHER FLOWS.

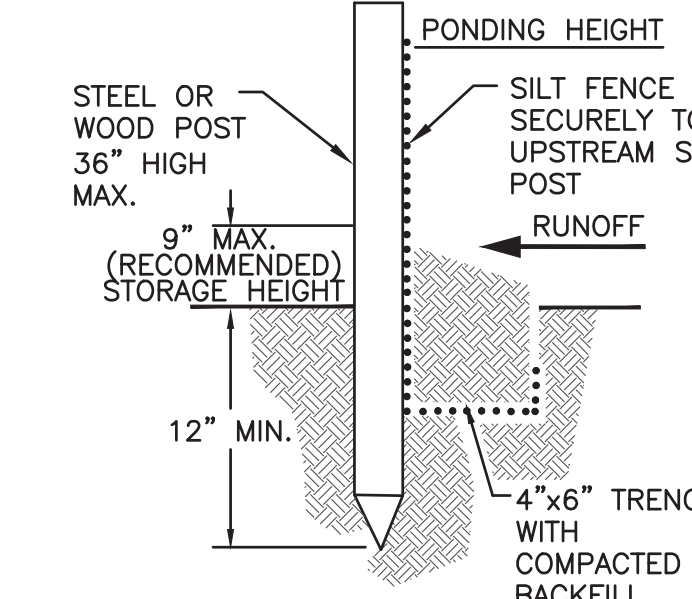
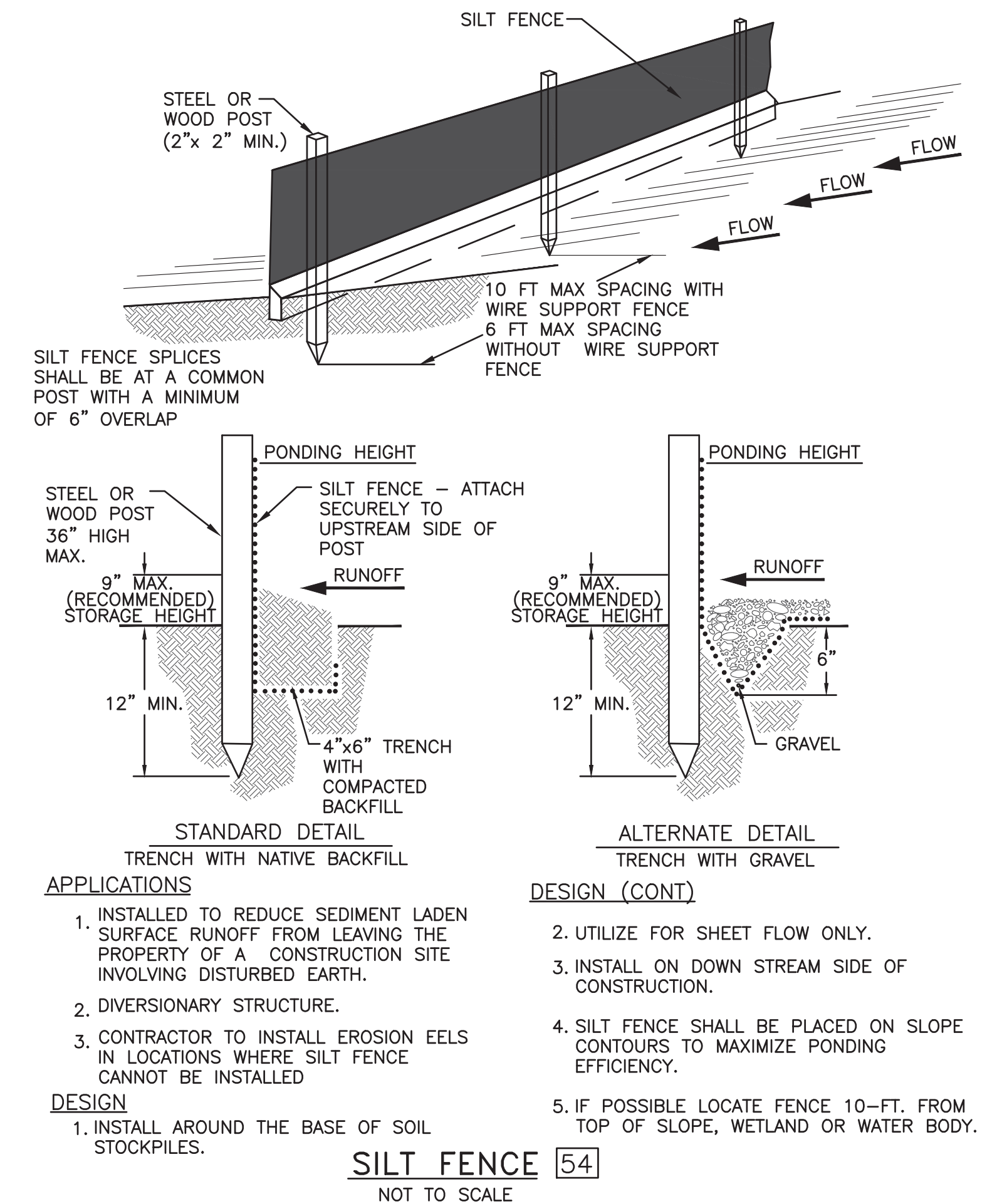
CULVERT SEDIMENT TRAP 43
NOT TO SCALE



SHEET PILING COFFERDAM - PLAN

COFFERDAM CROSS-SECTION

COFFERDAM 47
NOT TO SCALE



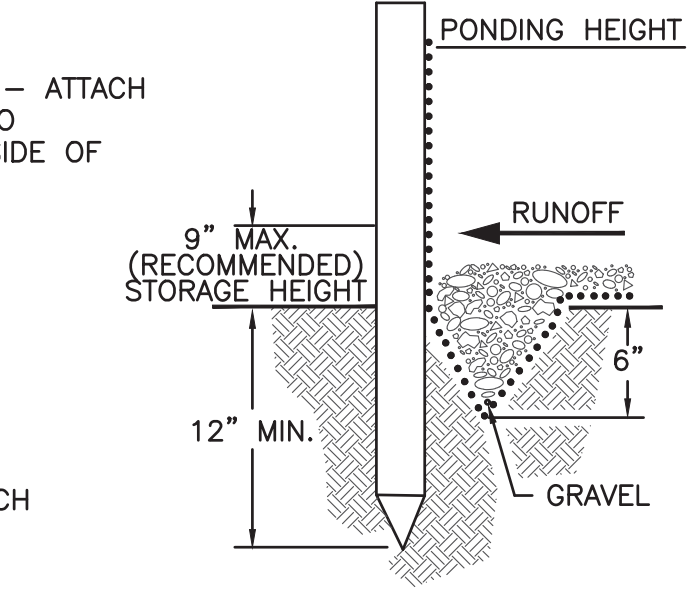
STANDARD DETAIL
TRENCH WITH NATIVE BACKFILL

APPLICATIONS

1. INSTALLED TO REDUCE SEDIMENT LADEN SURFACE RUNOFF FROM LEAVING THE PROPERTY OF A CONSTRUCTION SITE INVOLVING DISTURBED EARTH.
2. DIVERSIONARY STRUCTURE.
3. CONTRACTOR TO INSTALL EROSION EELS IN LOCATIONS WHERE SILT FENCE CANNOT BE INSTALLED

DESIGN

1. INSTALL AROUND THE BASE OF SOIL STOCKPILES.



ALTERNATE DETAIL
TRENCH WITH GRAVEL

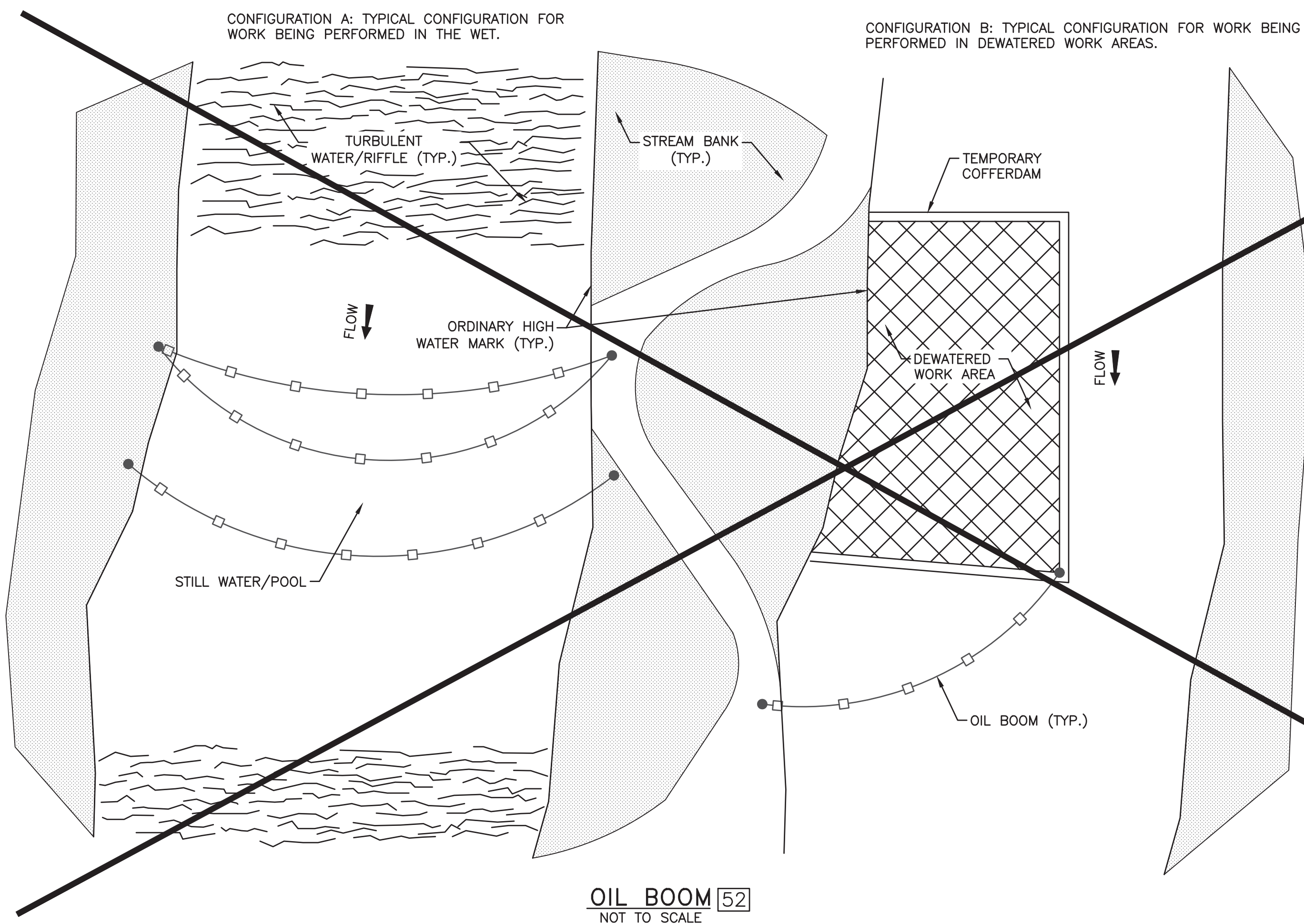
DESIGN (CONT)

2. UTILIZE FOR SHEET FLOW ONLY.
3. INSTALL ON DOWN STREAM SIDE OF CONSTRUCTION.
4. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
5. IF POSSIBLE LOCATE FENCE 10-FT. FROM TOP OF SLOPE, WETLAND OR WATER BODY.

DESIGN

1. INSTALL AROUND THE BASE OF SOIL STOCKPILES.

SILT FENCE 54
NOT TO SCALE



OIL BOOM 52
NOT TO SCALE

NOTES:

1. ALL WORK PERFORMED WITHIN THE ORDINARY HIGH WATER MARK SHALL HAVE OIL BOOMS PLACED DOWNSTREAM OF WORK PRIOR TO BEGINNING WORK.
2. OIL BOOM SHALL BE INSTALLED AND MAINTAINED PER THE MANUFACTURER'S RECOMMENDATIONS TO ASSURE PROPER FUNCTION.
3. CONFIGURATION B SHALL HAVE APPROVED DEWATERING ACTIVITIES IN-PLACE.

PROJECT MANAGER: Jason Kopyov
C:\PW\WORK\21061530\001-PLTS-COUNTDETAILS.DWG - 02-3 - PLOTTED 11/17/2024 12:06 PM BY WALLEY, RUSSELL

REV#	DATE	DESCRIPTION	BY



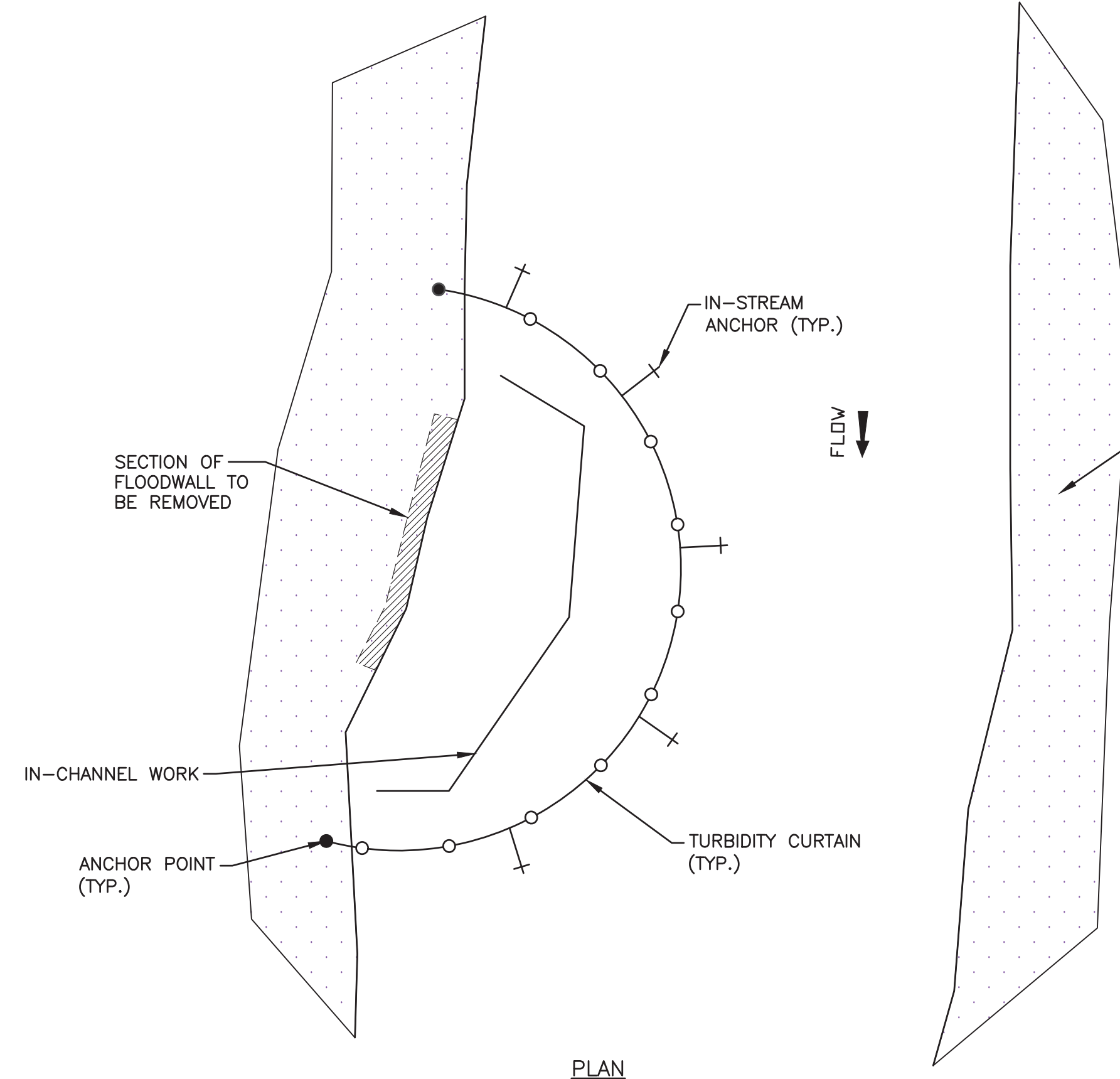
GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
SOIL EROSION & SEDIMENTATION CONTROL DETAILS - 3

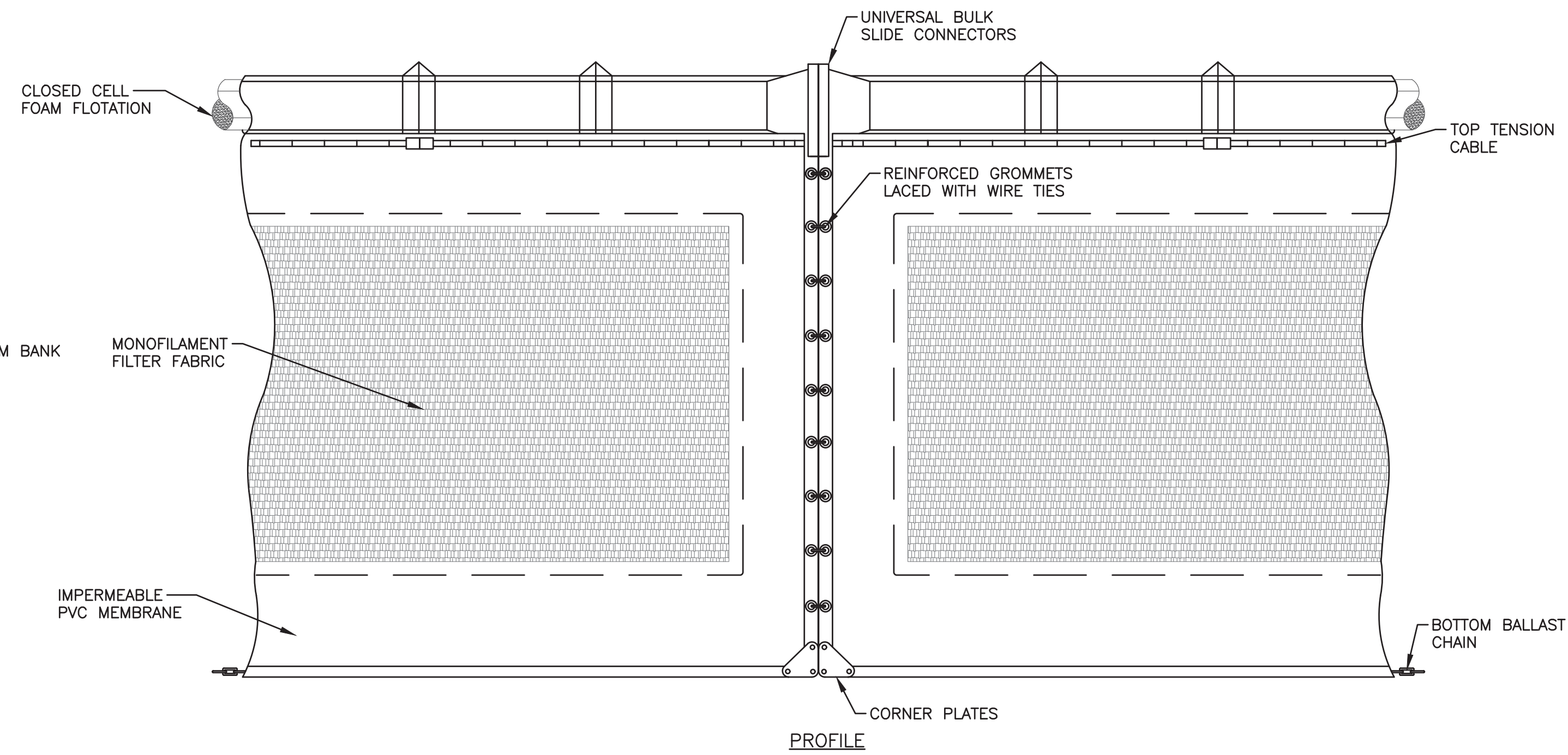
ISSUED FOR: IFB	DATE: 10/23/24	BY: SAL	JOB NO.: CPA200301F
SHEET			G2-3

FLINT RIVER RESTORATION

TYPICAL CONFIGURATION FOR WORK BEING PERFORMED ADJACENT TO ORDINARY HIGH WATER MARK INCLUDING REMOVAL OF FLOOD WALL.



PLAN

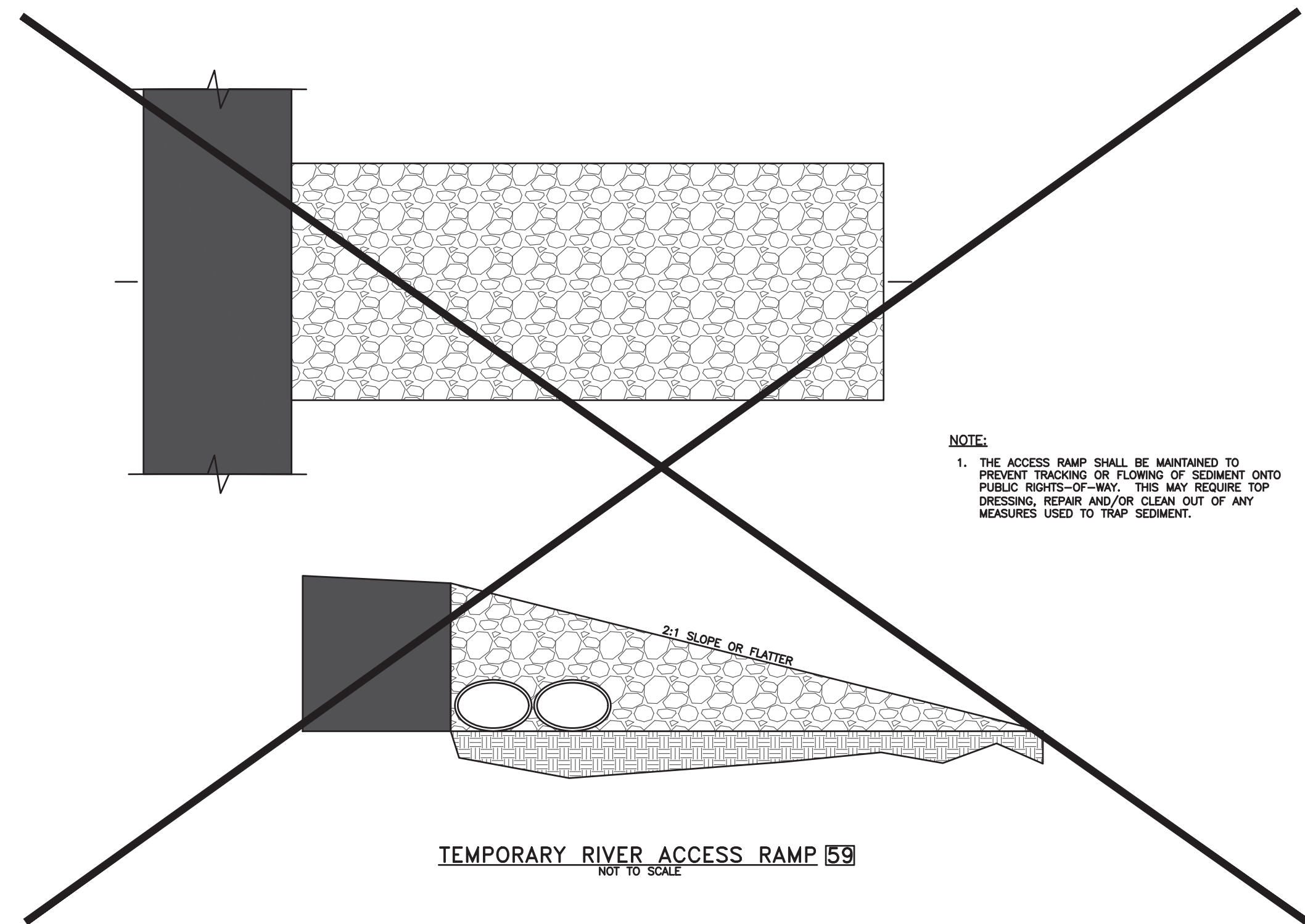


TYPICAL TURBIDITY CURTAIN 56

NOT TO SCALE

NOTES:

1. ALL WORK PERFORMED WITHIN TO THE ORDINARY HIGH WATER MARK, SHALL BE ISOLATED BY A TURBIDITY CURTAIN PRIOR TO BEGINNING WORK AS SHOWN ON SHEET G2-1.
2. TURBIDITY CURTAINS SHALL BE ANCHORED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS TO PREVENT DRIFT DOWNSTREAM.
3. BARRIERS SHOULD BE A BRIGHT COLOR (YELLOW OR "INTERNATIONAL ORANGE" ARE RECOMMENDED) FOR VISIBILITY.
4. SHORE ANCHORS SHALL CONSIST OF A POST WITH DEADMAN OR APPROVED EQUAL. STREAM ANCHORS SHALL BE OF SUFFICIENT SIZE TO STABILIZE THE BARRIER WITH NUMBER AND SPACING DEPENDENT ON WATERWAY VELOCITIES AND MANUFACTURER'S RECOMMENDATIONS. AT THE RIFFLE 4 LOCATION (HAMILTON DAM), SECURING METHODS THAT INVOLVE INVASIVE SUBSURFACE ACTIVITIES, INCLUDING BUT NOT LIMITED TO, ANCHORING, SPODDING, OR DRIVING, ARE PROHIBITED IN THE CONSUMER'S ENERGY SEDIMENT CAP AREA.
5. IN SHALLOW WATER (2 FEET OF DEPTH OR LESS) A TURBIDITY CURTAIN MAY BE INSTALLED ON STAKES DRIVEN INTO THE BED OF THE STREAM. STANDARD 5-FOOT PANELS SHALL BE SUED FOR DEPTHS 5 FEET DEEP OR LESS, WITH ADDITIONAL PANELS ADDED AS NEEDED TO REACH THE BOTTOM FOR DEPTHS GREATER THAN 5 FEET.
6. FABRIC SECTIONS SHALL BE CONNECTED END TO END WITH WIRE TIES OR MINIMUM 5/8" DIAMETER POLYPROPYLENE ROPE. FABRIC SHALL BE SEAMED TOGETHER IN A MANNER THAT RETAINS OVERALL TENSILE STRENGTH.
7. DESIGN OF CURTAIN AND ANCHORAGE SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. FILTER CLOTH SKIRT SHOULD BE ABLE TO WITHSTAND THE FORCES IMPARTED ON IT DUE TO EXPECTED WIND VELOCITY OR STREAM VELOCITY.

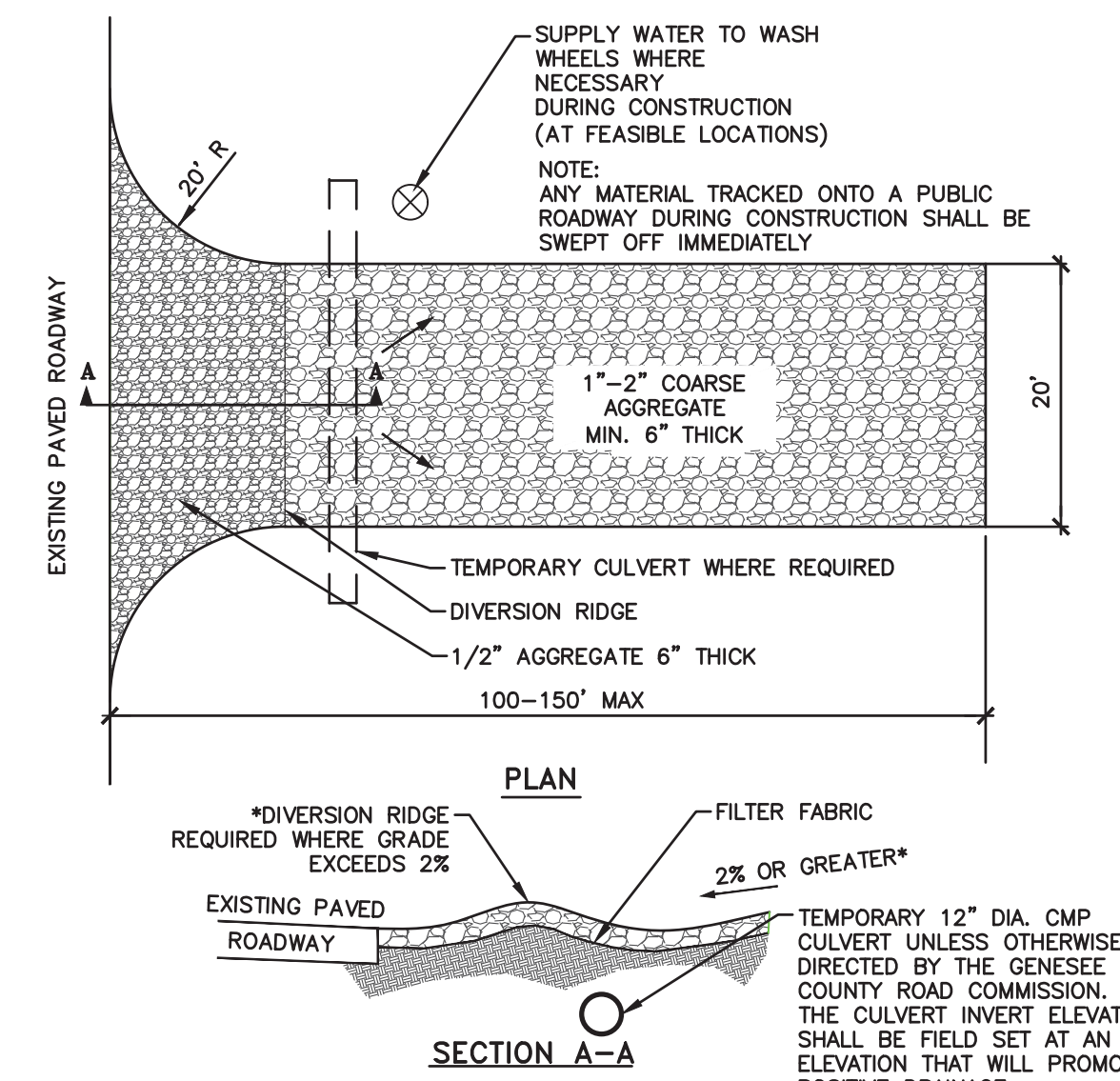


TEMPORARY RIVER ACCESS RAMP 59

NOT TO SCALE

NOTE:

1. THE ACCESS RAMP SHALL BE MAINTAINED TO PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.



SECTION A-A

APPLICATIONS

1. ASSISTS IN REMOVING SOIL FROM THE TIRES OF CONSTRUCTION EQUIPMENT/VEHICLES WHEN EXITING THE CONSTRUCTION SITE. THIS REDUCES TRACKING EXCESSIVE SEDIMENT/SOIL ONTO THE ADJACENT ROAD.

DESIGN

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP

DESIGN (CONT)

2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ON PUBLIC RIGHTS-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE 60

NOT TO SCALE

REV#	DATE	DESCRIPTION	BY



GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
SOIL EROSION & SEDIMENTATION CONTROL DETAILS - 4

ISSUED FOR: DATE: BY: 10/23/24 SAL

JOB NO. GFA200301F

SHEET G2-4

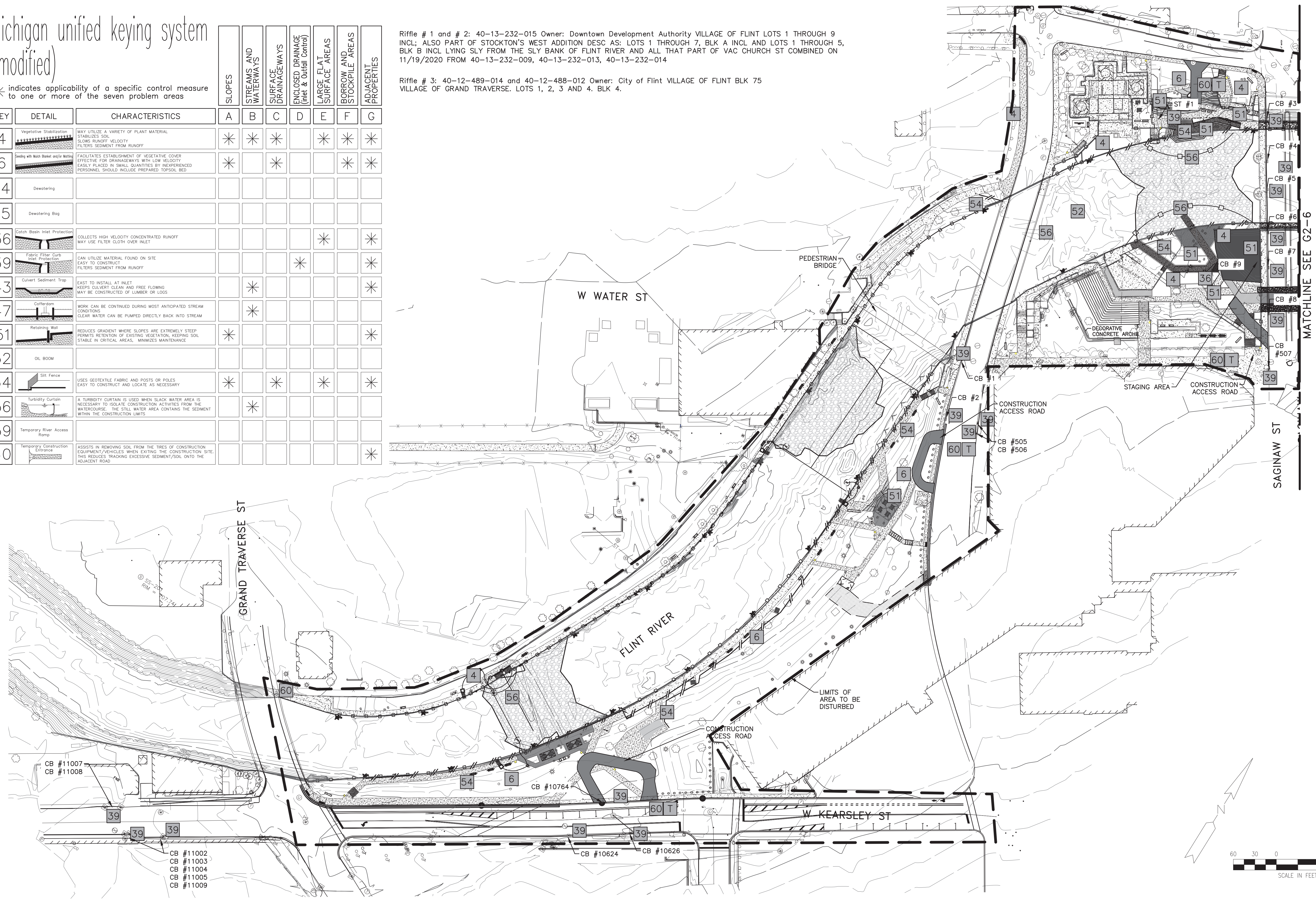
Michigan unified keying system (modified)

* indicates applicability of a specific control measure to one or more of the seven problem areas

KEY	DETAIL	CHARACTERISTICS	A	B	C	D	E	F	G
4		MAY UTILIZE A VARIETY OF PLANT MATERIAL STABILIZES SOIL SLOWS RUNOFF VELOCITY FILTERS SEDIMENT FROM RUNOFF	*	*	*		*	*	*
6		FACILITATES ESTABLISHMENT OF VEGETATIVE COVER EFFECTIVE FOR DRAINAGEWAYS WITH LOW VELOCITY EASILY PLACED IN SMALL QUANTITIES BY INEXPERIENCED PERSONNEL SHOULD INCLUDE PREPARED TOPSOIL BED	*		*			*	*
14									
15									
36		COLLECTS HIGH VELOCITY CONCENTRATED RUNOFF MAY USE FILTER CLOTH OVER INLET					*		*
39		CAN UTILIZE MATERIAL FOUND ON SITE EASY TO CONSTRUCT FILTERS SEDIMENT FROM RUNOFF				*			*
43		EASY TO INSTALL AT INLET KEEPS CULVERT CLEAN AND FREE FLOWING MAY BE CONSTRUCTED OF LUMBER OR LOGS		*					*
47		WORK CAN BE CONTINUED DURING MOST ANTICIPATED STREAM CONDITIONS CLEAR WATER CAN BE PUMPED DIRECTLY BACK INTO STREAM		*					*
51		REDUCES GRADIENT WHERE SLOPES ARE EXTREMELY STEEP PERMITS RETENTION OF EXISTING VEGETATION, KEEPING SOIL STABLE IN CRITICAL AREAS, MINIMIZES MAINTENANCE	*						*
52									
54		USES GEOTEXTILE FABRIC AND POSTS OR POLES EASY TO CONSTRUCT AND LOCATE AS NECESSARY	*		*		*		*
56		A TURBIDITY CURTAIN IS USED WHEN SLACK WATER AREA IS NECESSARY TO ISOLATE CONSTRUCTION ACTIVITIES FROM THE WATERCOURSE THE STILL WATER AREA CONTAINS THE SEDIMENT WITHIN THE CONSTRUCTION LIMITS		*					
59									
60		ASSISTS IN REMOVING SOIL FROM THE TIRES OF CONSTRUCTION EQUIPMENT/VEHICLES WHEN EXITING THE CONSTRUCTION SITE THIS REDUCES TRACKING EXCESSIVE SEDIMENT/SOIL ONTO THE ADJACENT ROAD							*

Rifle # 1 and # 2: 40-13-232-015 Owner: Downtown Development Authority VILLAGE OF FLINT LOTS 1 THROUGH 9 INCL; ALSO PART OF STOCKTON'S WEST ADDITION DESC AS: LOTS 1 THROUGH 7, BLK A INCL AND LOTS 1 THROUGH 5, BLK B INCL LYING SLY FROM THE SLY BANK OF FLINT RIVER AND ALL THAT PART OF VAC CHURCH ST COMBINED ON 11/19/2020 FROM 40-13-232-009, 40-13-232-013, 40-13-232-014

Rifle # 3: 40-12-489-014 and 40-12-488-012 Owner: City of Flint VILLAGE OF FLINT BLK 75 VILLAGE OF GRAND TRAVERSE. LOTS 1, 2, 3 AND 4. BLK 4.



PROJECT MANAGER: Jason Keyes
 CIVIL WORKS/D/1061530/031-PLTS-COUNTYDETAILS.DWG - 02-5 - PLOTTED 11/17/2024 12:06 PM BY WINLEY, RUSSELL

REV#	DATE	DESCRIPTION	BY



555 S. Saginaw Street, Suite 201
 Flint, MI 48906
 810.235.2656
 www.wadetrim.com

GENESEE COUNTY PARKS & REC
 5045 E. STANLEY ROAD
 FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
 SOIL EROSION & SEDIMENTATION CONTROL PLAN - 1

ISSUED FOR: IF9
 DATE: 10/23/24
 BY: SAL

JOB NO. CPA200301F
 SHEET G2-5

FLINT RIVER RESTORATION



Michigan unified keying system (modified)

* indicates applicability of a specific control measure to one or more of the seven problem areas

KEY	DETAIL	CHARACTERISTICS	MICHIGAN UNIFIED KEYING SYSTEM (MODIFIED)						
			A	B	C	D	E	F	G
4	Vegetative Stabilization	MAY UTILIZE A VARIETY OF PLANT MATERIAL; STABILIZES SOIL; SLOWS RUNOFF VELOCITY; FILTERS SEDIMENT FROM RUNOFF	*	*	*		*	*	*
6	Sediment with Mulch Barrier	FACILITATES ESTABLISHMENT OF VEGETATIVE COVER; EFFECTIVE FOR DRAINAGEWAYS WITH LOW VELOCITY; EASILY PLACED IN SMALL QUANTITIES BY EXPERIENCED PERSONNEL; SHOULD INCLUDE PREPARED TOPSOIL BED	*		*			*	*
14	Dewatering								
15	Dewatering Bag								
36	Catch Basin Inlet Protection	COLLECTS HIGH VELOCITY CONCENTRATED RUNOFF; MAY USE FILTER CLOTH OVER INLET					*		*
39	Fabric Filter Curb Inlet Protection	CAN UTILIZE MATERIAL FOUND ON SITE; EASY TO CONSTRUCT; FILTERS SEDIMENT FROM RUNOFF					*		*
43	Culvert Sediment Trap	EAST TO INSTALL AT INLET; KEEPS CULVERT CLEAN AND FREE FLOWING; MAY BE CONSTRUCTED OF LUMBER OR LOGS		*					*
47	Cofferdam	WORK CAN BE CONTINUED DURING MOST ANTICIPATED STREAM CONDITIONS; CLEAR WATER CAN BE PUMPED DIRECTLY BACK INTO STREAM		*					
51	Retaining Wall	REDUCES GRADIENT WHERE SLOPES ARE EXTREMELY STEEP; PERMITS RETENTION OF EXISTING VEGETATION; KEEPING SOIL STABLE IN CRITICAL AREAS; MINIMIZES MAINTENANCE	*						*
52	Oil Boom								
54	Silt Fence	USES GEOTEXTILE FABRIC AND POSTS OR POLES; EASY TO CONSTRUCT AND LOCATE AS NECESSARY	*		*		*		*
56	Turbidity Curtain	A TURBIDITY CURTAIN IS USED WHEN SLACK WATER AREA IS NECESSARY TO ISOLATE CONSTRUCTION ACTIVITIES FROM THE WATERCOURSE; THE STILL WATER AREA CONTAINS THE SEDIMENT WITHIN THE CONSTRUCTION LIMITS		*					
59	Temporary River Access Ramp								
60	Temporary Construction Entrance	ASSISTS IN REMOVING SOIL FROM THE TIRES OF CONSTRUCTION EQUIPMENT/VEHICLES WHEN EXITING THE CONSTRUCTION SITE; THIS REDUCES TRACKING EXCESSIVE SEDIMENT/SOIL ONTO THE ADJACENT ROAD							*

Riffle # 4 41-07-361-012 Owner: Regents of The University of Michigan
 BLKS 5, 10, 11, 32 AND 33 OF VILLAGE OF FLINT RIVER; ALSO BLKS 15, 16, 30 AND 31 AND PART OF BLKS 28 AND 29 OF VILLAGE OF FLINT RIVER AND A CONTIG PART OF BLKS A & C AND PART OF THE RAILROAD R/W OF THE NEW PLAT OF BIRCHMORE'S ADDITION AND A CONTIG PART OF LOTS 5, 6, 7 & 8 OF BISHOP'S REPLAT OF PART OF LOTS 1 & 2, BLK A, BIRCHMORE'S ADDITION DESC AS FOLLS: BEG AT NWLY COR OF LOT 7 OF SD REPLAT; TH S 31 DEG 33 MIN E ALG WLY LINE OF SD LOTS 7 & 8, 64.66 FT; TH N 13 DEG 47 MIN 05 SEC E, TO NELY COR OF SD LOT 7; TH N 13 DEG 47 MIN 05 SEC E, 172.77 FT; TH N 22 DEG 39 MIN 59 SEC E, 99.49 FT; TH N 28 DEG 41 MIN 56 SEC E, 156.90 FT; TH N 30 DEG 46 MIN 06 SEC E, 236.95 FT; TH N 32 DEG 00 MIN 43 SEC E, 55 FT; TH N 58 DEG 59 MIN 30 SEC W, 32.7 FT TO NWLY LINE OF SD R.R. R/W (SD R/W ALSO BEING SWLY LINE OF LOT 13, BLK A OF JOHN LUCAS REPLAT); TH SWLY ALG SD NWLY R/W LINE TO A LINE 18.75 FT SWLY FROM AND PARL WITH NELY LINE OF LOT 8 OF SD BLK A; TH N 63 DEG 18 MIN 30 SEC W, 144 FT TO NWLY LINE OF SD LOT 8 AS ORIGINALLY PLATTED; TH N 56 DEG 17 MIN W, 52 FT TO SELY LINE OF SD BLK "C" AS ORIGINALLY PLATTED; TH S 26 DEG 43 MIN W ALG SD SELY LINE 294.63 FT; TH N 61 DEG 04 MIN 46 SEC W, TO SELY BANK OF FLINT RIVER; TH SWLY ALG SD SELY LINE TO C.L. OF STEVENS ST. AS ORIGINALLY PLATTED, EXT NLY; TH SELY ALG SD C.L. AND ITS NLY EXT TO NLY LINE OF VACATED FIRST ST; TH NELY ALG SD NLY LINE OF FIRST ST. (SD NLY LINE BEING ALSO THE SLY LINE OF SD BLKS 16 AND 28) TO A PT 32 FT SWLY FROM SELY COR OF LOT 10 OF SD BLK 28; TH NLY TO A PT ON NWLY LINE OF LOT 8 OF SD BLK, 41.5 FT NELY FROM NWLY COR OF SD LOT; TH NLY TO A PT ON NELY LINE OF LOT 5 OF SD BLK 28, 10 FT SELY FROM NELY COR OF SD LOT AS ORIGINALLY PLATTED; TH NWLY ALG SD NELY LINE 10 FT TO SD NELY COR; TH NLY TO A PT ON SELY LINE OF LOT 14, BLK 29 AS ORIGINALLY PLATTED, 34.15 FT SWLY FROM SELY COR OF SD LOT 14; TH NELY TO A LINE 2.5 FT SWLY FROM AND PARL WITH NELY LINE OF LOT 14, BLK 29, AT A PT 26 FT NWLY FROM SELY LINE OF SD LOT; TH NLY TO A PT ON NELY LINE OF LOT 15, OF SD BLK 29, 125.5 FT NWLY FROM SELY COR OF SD LOT; TH NWLY ALG SD NELY LINE 6.5 FT TO NELY COR OF SD LOT; TH NLY TO POB

Riffle # 4 41-07-356-005 Owner: City of Flint VILLAGE OF GRAND TRAVERSE.
 LOTS 5, 6 AND 7; ALSO THAT PART OF LOTS 1, 2, 3 AND 4 LYING ELY OF THE FOLL DESC LINE: BEG AT A PT IN N LINE OF LOT 4, 10 FT N 89 DEG 45 MIN E FROM NW COR OF SD LOT; TH S 1 DEG 15 MIN E = WITH W LINE OF SD LOT 7, 44 FT; TH ON A TANG CURVE TO THE LEFT, RAD 369.26 FT, 201.71 FT; TH S 32 DEG 33 MIN E TO NLY BANK OF FLINT RIVER, BLK 16; ALSO BEG AT NW COR OF LOT 3 AS ORIGINALLY PLATTED; TH S AT RT ANGLES TO SECOND AVE. TO FLINT RIVER; TH E ALG RIVER TO S LINE OF SECOND AVE; TH W ALG SD S LINE TO BEG, BLK 17; ALSO THAT PART OF HENDERSON ST, VACATED, LYING BET AND ADJ SD BLKS 16 AND 17

PROJECT MANAGER: Jason Keyser
 CIVIL WORKS/D1061530/001-PLTS-COINTEGRATED-DWG - G2-6 - PLOTTED: 11/17/2024 12:06 PM BY: WINLEY, RUSSELL

REV#	DATE	DESCRIPTION	BY



GENESEE COUNTY PARKS & REC
 5045 E. STANLEY ROAD
 FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
 SOIL EROSION & SEDIMENTATION CONTROL PLAN - 2

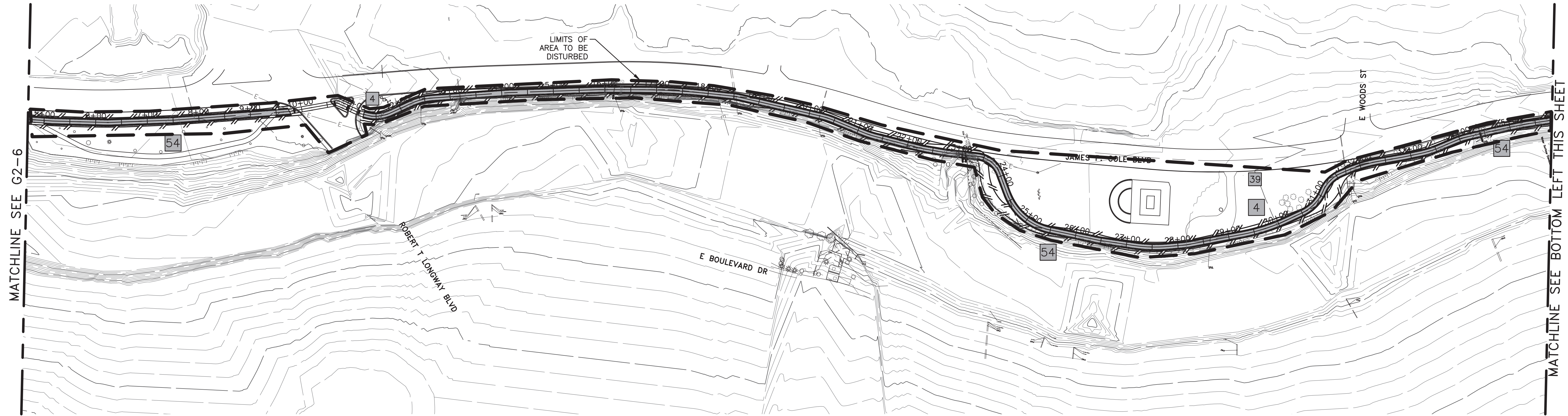
ISSUED FOR: 10/23/24
 DATE: 10/23/24
 BY: CAL

JOB NO. CPA200301F
 SHEET G2-6

FLINT RIVER RESTORATION

Riffle # 5 41-06-452-009 Owner: City of Flint OAK PARK SUBDIVISION OF PART OF SECTIONS 1 AND 2 OF SMITH'S RESERVATION. PART OF BLKS 31, 32 & 34 DESC AS: BEG AT A PT ON NLY LINE OF SD BLK 34 WHICH IS S 71 DEG 22 MIN E, 119.40 FT FROM NWLY COR OF SD BLK AS ORIGINALLY PLATTED; TH S 2 DEG 02 MIN 06 SEC W, 300.68 FT; TH SLY ALG A CURVE TO THE RT HAVING A RADIUS OF 1412.54 FT, A CHORD BEARING & DIST OF S 16 DEG 58 MIN 15 SEC W, 728.21 FT; TH S 31 DEG 54 MIN 30 SEC W, 112.47 FT TO SLY LINE OF SD BLK 31; TH S 67 DEG 07 MIN E ALG SD SLY LINE TO WLY BANK OF FLINT RIVER; TH NLY ALG SD WLY BANK TO A LINE 349 FT NLY FROM & = WITH SLY LINE OF SD BLK 31; TH WLY = WITH SD SLY LINE TO A LINE 12 FT ELY FROM & = WITH ELY CURB LINE OF JAMES P. COLE BLVD; TH NLY = WITH SD ELY CURB LINE TO NLY LINE OF SD BLK 32; TH NWLY ALG NLY LINE OF SD BLKS 32 & 34 TO BEG. PT. ST. JOHN ST. VAC.

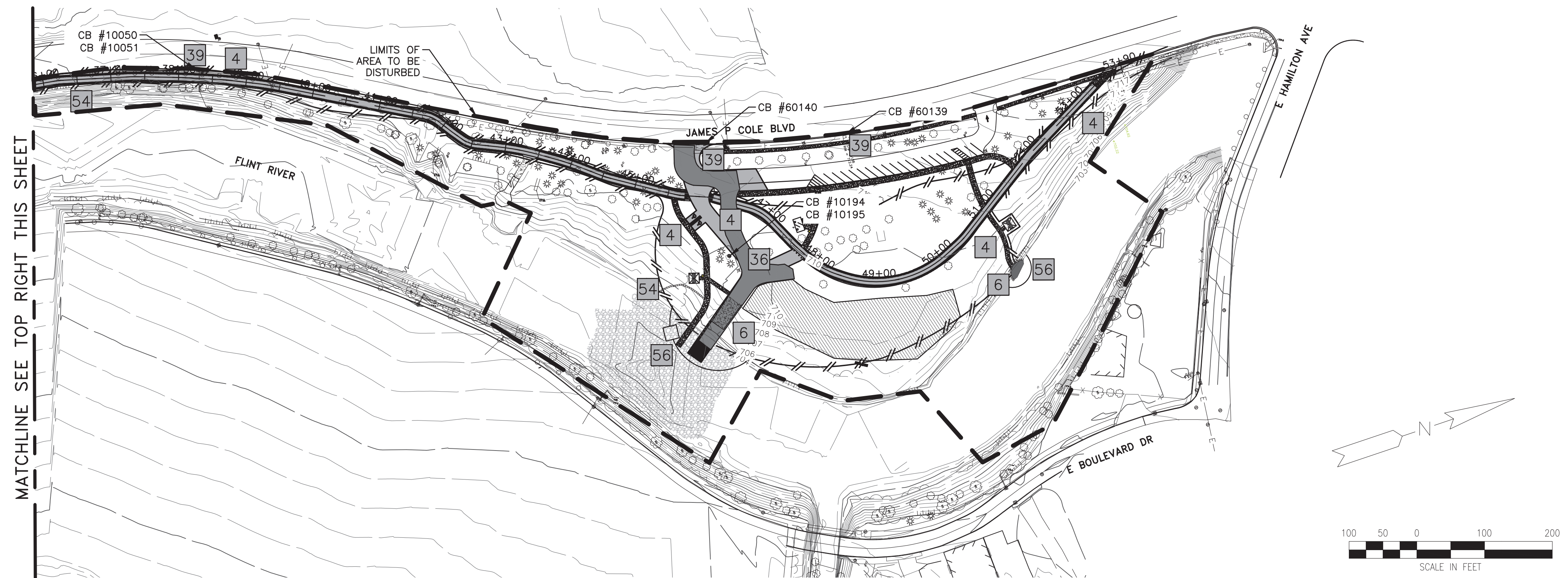
Riffle # 6 41-06-452-006 Owner: City of Flint OAK PARK SUBDIVISION OF PART OF SECTIONS 1 AND 2 OF SMITH'S RESERVATION PART OF BLK 31, 32 AND 33 DESC AS: COM AT INTERSEC OF SLY LINE OF BLK 31 WITH A LINE 12 FT ELY FROM AND PARL WITH ELY CURB LINE OF JAMES P COLE BLVD; TH NLY PARL WITH SD ELY CURB LINE, 349 FT FOR POB; TH ELY PARL WITH SD SLY LINE, TO WLY LINE OF FLINT RIVER; TH NLY ALONG SD WLY LINE TO A LINE 12 FT SLY FROM AND PARL WITH SLY CURB LINE OF HAMILTON AVE; TH WLY PARL WITH SD SLY LINE AND SLY PARL WITH AND 12 FT ELY FROM SD ELY CURB LINE TO POB



Michigan unified keying system (modified)

* indicates applicability of a specific control measure to one or more of the seven problem areas

KEY	DETAIL	CHARACTERISTICS	PROBLEM AREAS						
			A	B	C	D	E	F	G
4	Vegetative Stabilization	MAY UTILIZE A VARIETY OF PLANT MATERIAL STABILIZES SOIL SLOWS RUNOFF VELOCITY FILTERS SEDIMENT FROM RUNOFF	*	*	*		*	*	*
6	Seeding with Mesh Basket and/or Matting	FACILITATES ESTABLISHMENT OF VEGETATIVE COVER EFFECTIVE FOR DRAINAGEWAYS WITH LOW VELOCITY EASILY PLACED IN SMALL QUANTITIES BY INEXPERIENCED PERSONNEL SHOULD INCLUDE PREPARED TOPSOIL BED	*		*			*	*
14	Dewatering								
15	Dewatering Bag								
36	Catch Basin Inlet Protection	COLLECTS HIGH VELOCITY CONCENTRATED RUNOFF MAY USE FILTER CLOTH OVER INLET					*		*
39	Fabric Filter Cloth Inlet Protection	CAN UTILIZE MATERIAL FOUND ON SITE EASY TO CONSTRUCT FILTERS SEDIMENT FROM RUNOFF				*			*
43	Culvert Sediment Trap	EAST TO INSTALL AT INLET KEEPS CULVERT CLEAN AND FREE FLOWING MAY BE CONSTRUCTED OF LUMBER OR LOGS		*					*
47	Cofferdam	WORK CAN BE CONTINUED DURING MOST ANTICIPATED STREAM CONDITIONS CLEAR WATER CAN BE PUMPED DIRECTLY BACK INTO STREAM		*					
51	Retaining Wall	REDUCES GRADIENT WHERE SLOPES ARE EXTREMELY STEEP PERMITS RETENTION OF EXISTING VEGETATION, KEEPING SOIL STABLE IN CRITICAL AREAS, MINIMIZES MAINTENANCE	*						*
52	Oil Boom								
54	Silt Fence	USES GEOTEXTILE FABRIC AND POSTS OR POLES EASY TO CONSTRUCT AND LOCATE AS NECESSARY	*		*		*		*
56	Turbidity Curtain	A TURBIDITY CURTAIN IS USED WHEN SLACK WATER AREA IS NECESSARY TO ISOLATE CONSTRUCTION ACTIVITIES FROM THE WATERCOURSE. THE STILL WATER AREA CONTAINS THE SEDIMENT WITHIN THE CONSTRUCTION LIMITS		*					
59	Temporary River Access Ramp								
60	Temporary Construction Entrance	ASSISTS IN REMOVING SOIL FROM THE TIRES OF CONSTRUCTION EQUIPMENT/VEHICLES WHEN EXITING THE CONSTRUCTION SITE. THIS REDUCES TRACKING EXCESSIVE SEDIMENT/SOIL ONTO THE ADJACENT ROAD							*



REV#	DATE	DESCRIPTION	BY



GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48906

FLINT RIVERFRONT RESTORATION - PHASE 2
SOIL EROSION & SEDIMENTATION CONTROL PLAN - 3

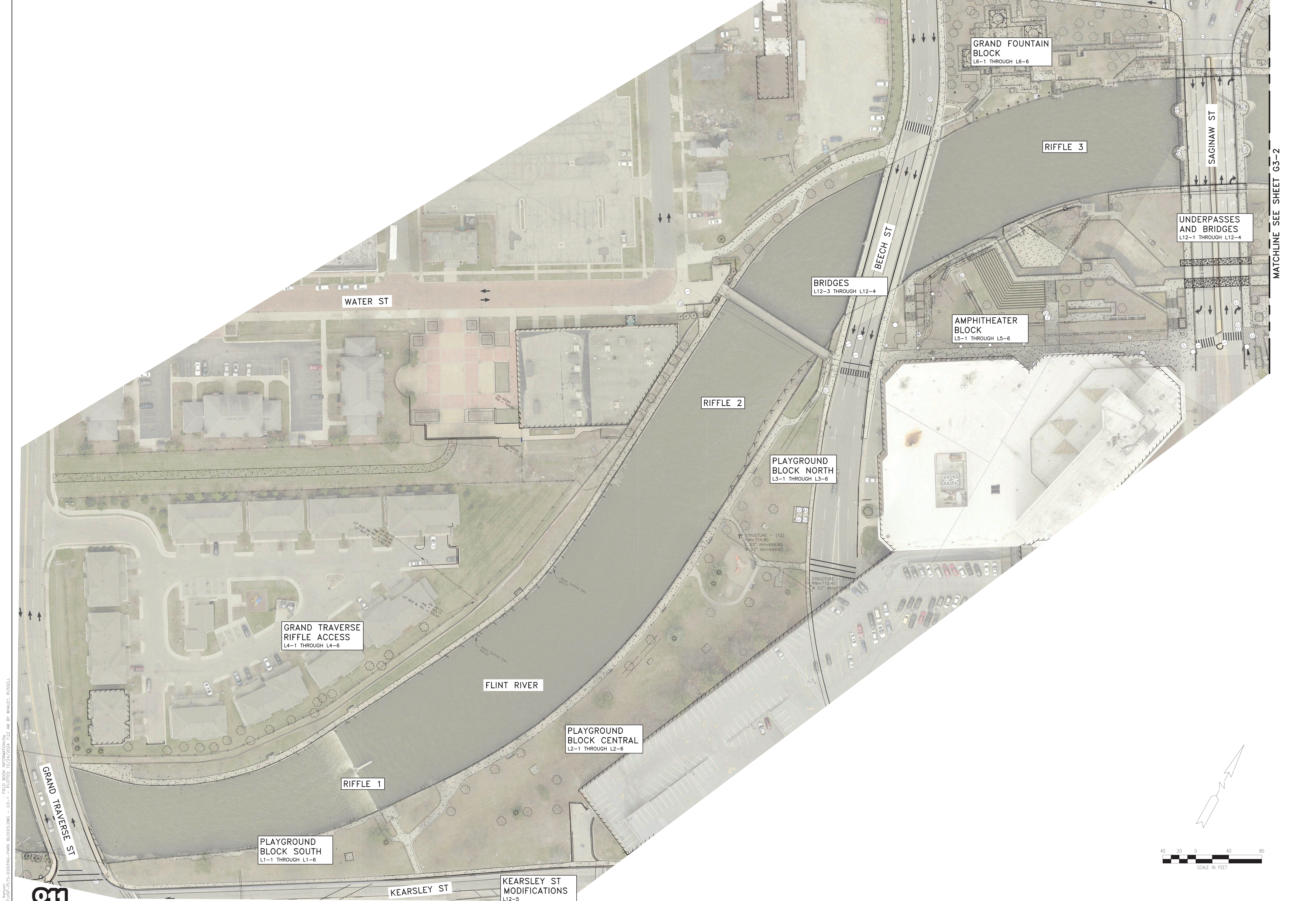
ISSUED FOR: IFR DATE: 10/23/24 BY: GSA

JOB NO. GFA200301F SHEET

G2-7

PROJECT MANAGER: Jason Keyser C:\P\WORK\21061530\031-FLINTS-COUNTY\DETAILS\DWG - 02-7 - PLOTTED 11/17/2024 12:07 PM BY: WINLEY, RUSSELL

FLINT RIVER RESTORATION © Wade Trim, Inc.



MATCHLINE SEE SHEET G3-2

PROJECT MANAGER: JAMES WHEAT; FIELD PLAN INFORMATION: FIELD PLAN INFORMATION; DATE: 10/24/2024 12:22 AM BY: WHALEY, RUSSELL



REV#	DATE	DESCRIPTION	BY

WADE TRIM
 225 S. Saginaw Street, Suite 201
 Flint, MI 48502
 910.295.2656
 www.wadetrim.com

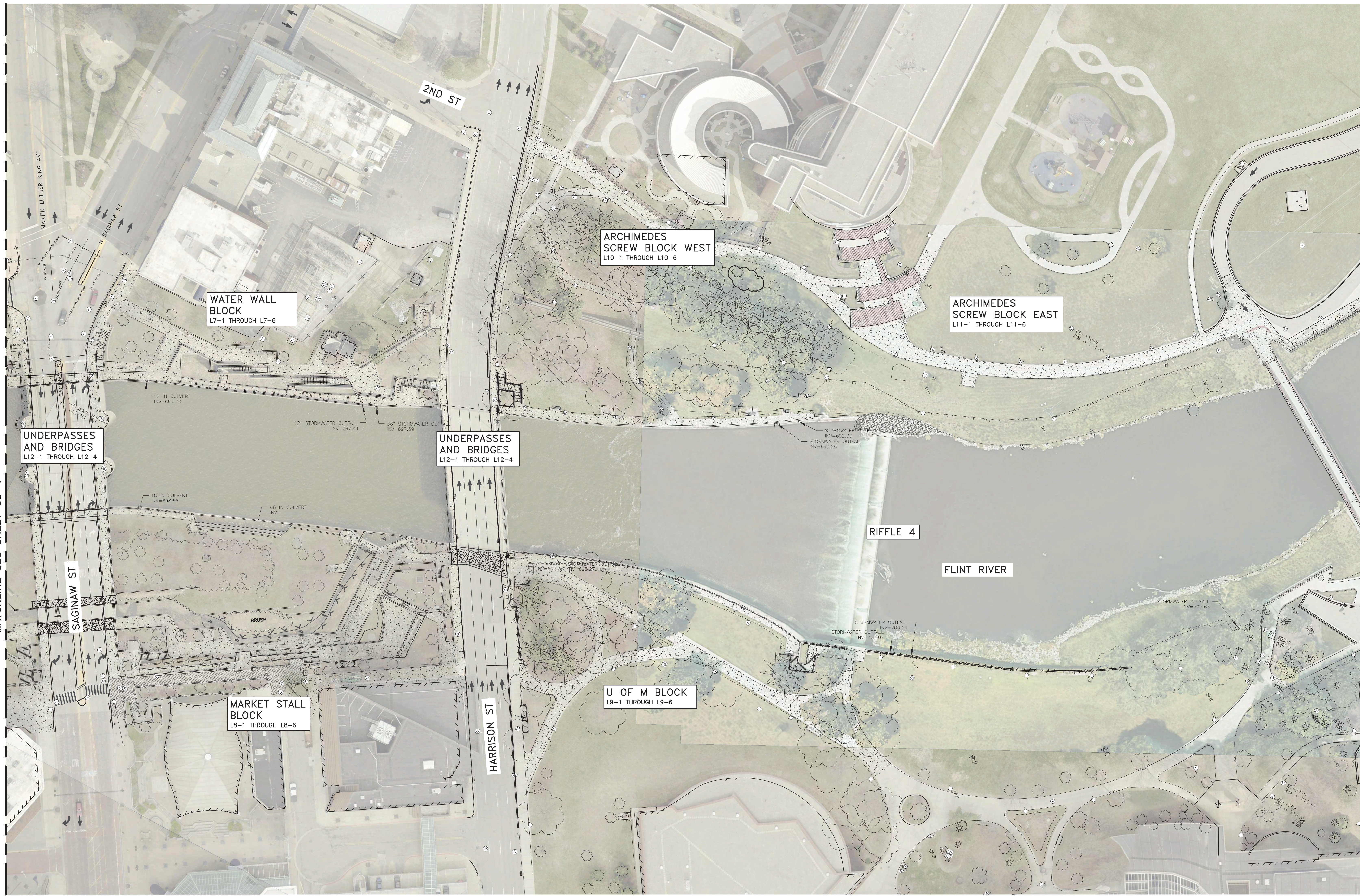
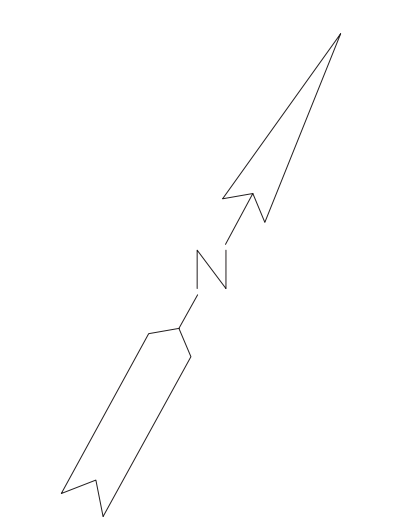
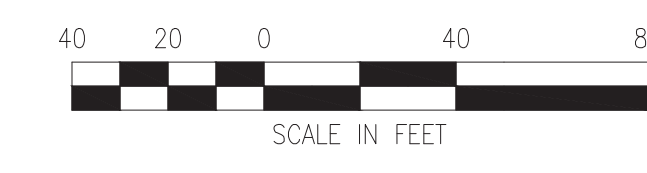
GENESSEE COUNTY PARKS & REC
 5045 E. STANLEY ROAD
 FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
 EXISTING CONDITIONS OVERVIEW - 1

ISSUED FOR: DATE: BY:
 (FB) 10/23/24 SAL

JOB NO. GPA200301F
 SHEET G3-1

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MATCHLINE SEE SHEET G3-1

PROJECT MANAGER: JAMES WHEAT; FIELD PLANNING: JAMES WHEAT; DESIGN: JAMES WHEAT, JAMES WHEAT, JAMES WHEAT; PLOTTED: 10/24/2024 12:23 AM BY: WHEAT, RUSSELL



REV#	DATE	DESCRIPTION	BY



GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

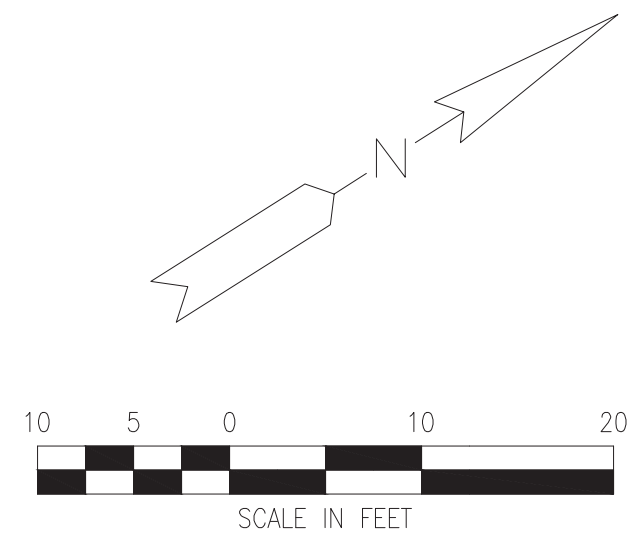
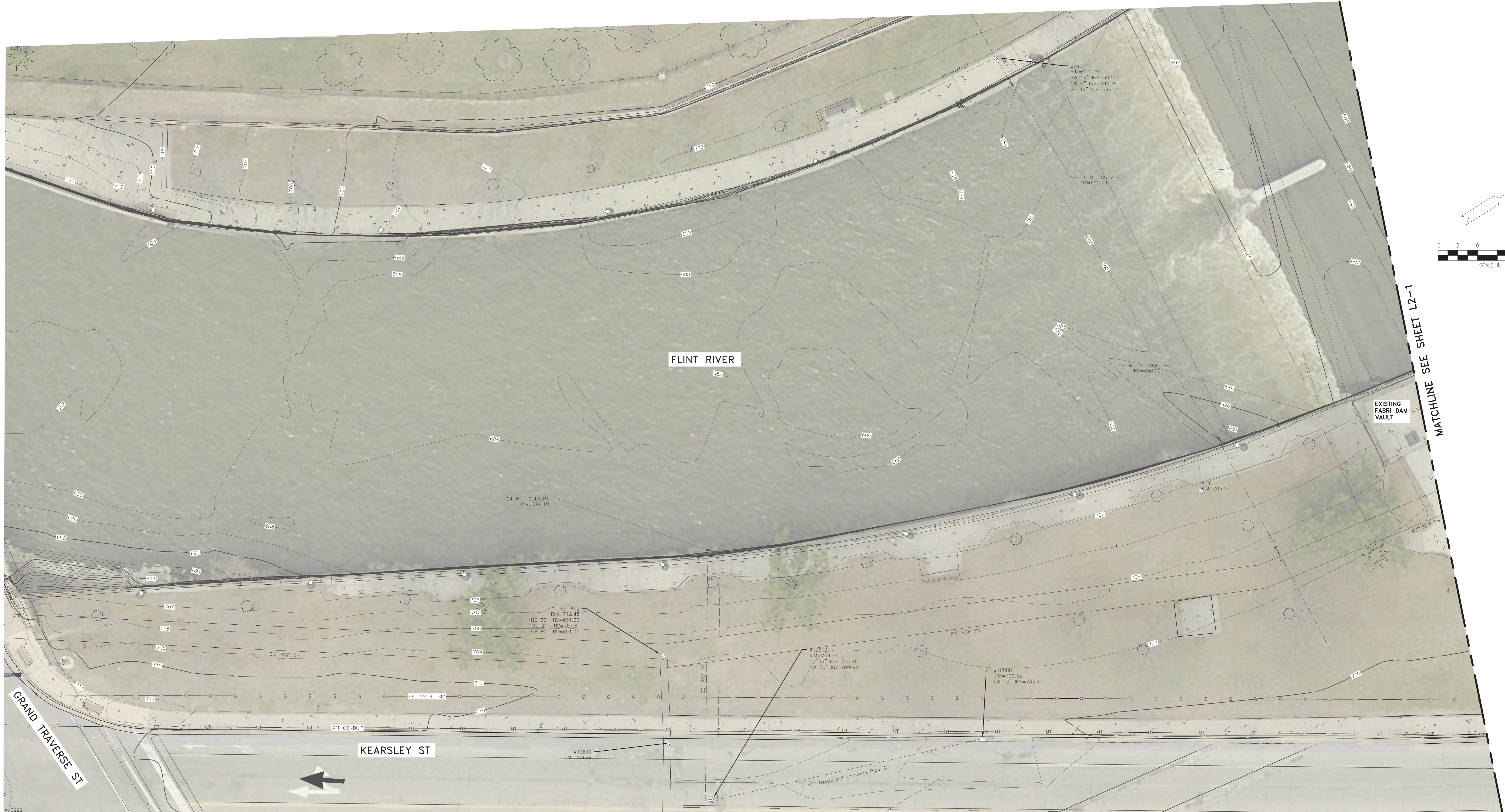
FLINT RIVERFRONT RESTORATION - PHASE 2
EXISTING CONDITIONS OVERVIEW - 2

ISSUED FOR: DATE: BY:
JFB 10/23/24 SAL

JOB NO. GPA200301F
SHEET G3-2

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PROJECT MANAGER: JAMES WHEALEY; DESIGNER: JAMES WHEALEY; CHECKER: JAMES WHEALEY; PLOTTED: 10/24/2024 9:27 AM BY WHEALEY, RUSSELL



MATCHLINE SEE SHEET L2-1



REV#	DATE	DESCRIPTION	BY



GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION – PHASE 2
PLAYGROUND BLOCK – SOUTH EXISTING

ISSUED FOR:	DATE:	BY:
IFB	10/23/24	SAL

JOB NO.	GPA200301F
SHEET	L1-1

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60 INCH SANITARY SEWER NOTES:

1. ONLY APPROXIMATE LOCATION OF EXISTING 60" DIA SANITARY SEWER IS SHOWN. CONTRACTOR SHALL PROTECT AND MONITOR EXISTING 60" DIA SEWER AT ALL TIMES DURING CONSTRUCTION. CCTV INSPECTION OF EXISTING 60" DIA SHALL BE COMPLETED PRIOR AND AFTER CONSTRUCTION. NEW FOOTINGS, TREES, AND LIGHT POLES SHALL NOT BE PLACED ABOVE EXISTING 60" DIA SEWER. NEW SIDEWALK, WALK, RAMP, OR STAIRS CAN BE PLACED ABOVE EXISTING 60" DIA SEWER. CONTRACTOR MUST MAINTAIN AT LEAST 3 FEET OF COVER ABOVE EXISTING 60" DIA SEWER EXCEPT FOR LOCATIONS INDICATED ON THE DRAWINGS.

KEY NOTES – REMOVAL

RCG – CURB AND GUTTER

RCG-1 REMOVE STANDARD CURB AND GUTTER

RLS – LANDSCAPE

X REMOVE TREE

RLS-2 REMOVE UNDERSTORY VEGETATION/LANDSCAPE BED PLANTINGS

RLS-3 REMOVE AND STOCKPILE TOPSOIL

RLP – LIGHTING AND POWER

RLP-1 REMOVE LIGHT POLE

RPA – PAVING

RPA-1 REMOVE CONCRETE

RPA-2 REMOVE STAIRS

RPA-3 REMOVE PAVER

RPA-4 SAWCUT PAVING

RPA-5 REMOVE ASPHALT

PRO – PROTECTION

PRO-1 PLACE TREE PROTECTION FENCE

PRO-2 PROTECT EXISTING FEATURE

RSF – SITE FEATURES

RSF-1 REMOVE BENCH OR TABLE

RSF-2 REMOVE RAILING

RSF-3 REMOVE BOLLARD

RSF-4 REMOVE SIGN

RSF-5 REMOVE POST AND ROPE/CHAIN RAILING

RSF-6 REMOVE GUARDRAIL

RSF-7 REMOVE CHAIN LINK FENCE

RSF-8 REMOVE RIVER EGRESS LADDER

RSW – SITE WALLS

SEE STRUCTURAL PLANS FOR DETAILS

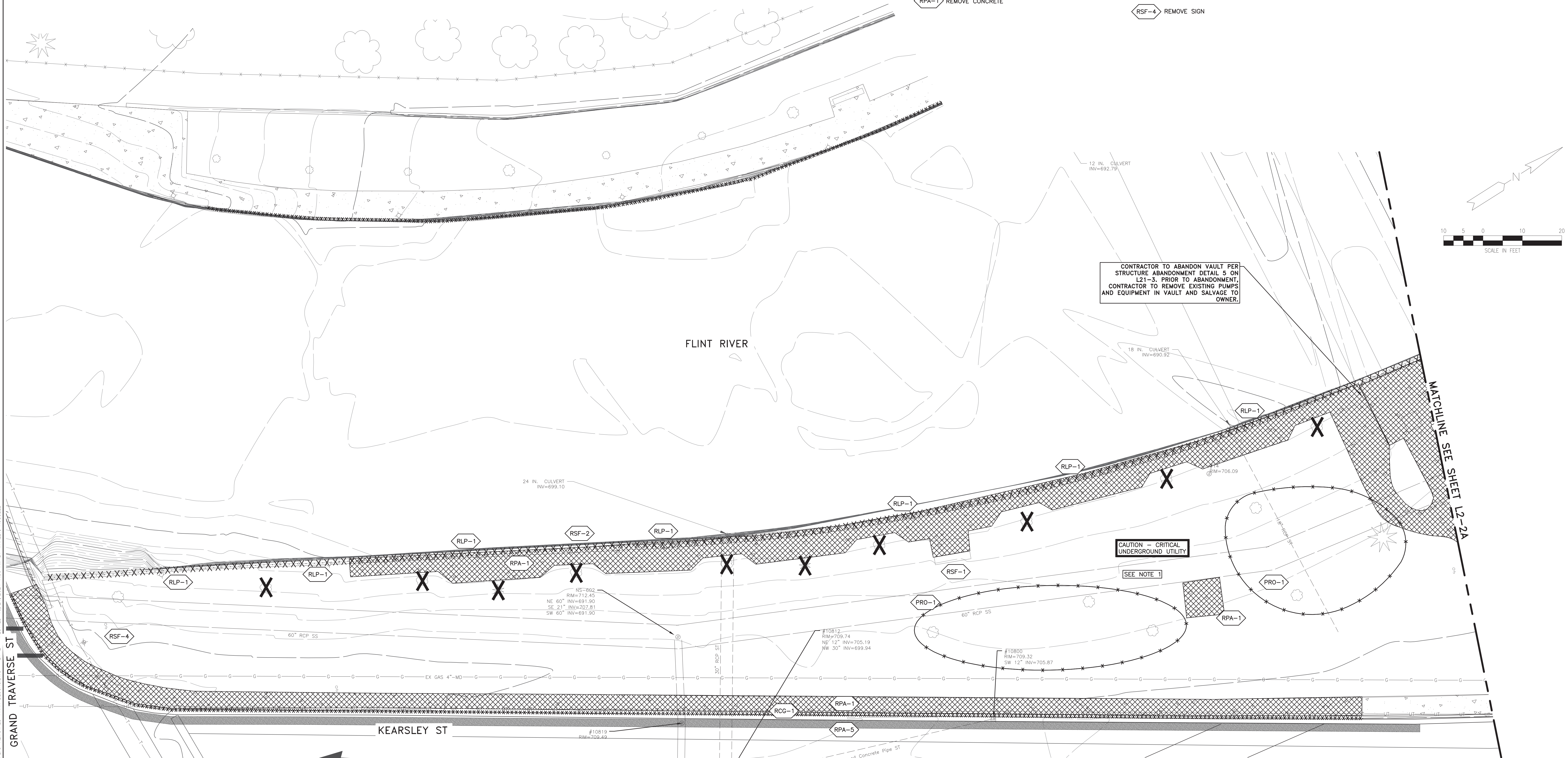
RSW-1 REMOVE RETAINING WALL

RSW-2 REMOVE SEAT OR SITE WALL

RSW-3 CUT AND REMOVE FLOOD PROTECTION WALL

RSW-4 REMOVE PLANTER WALL

RSW-5 REMOVE CONCRETE WALL ABOVE GRADE – SEE DETAIL 8 ON L22-4



PROJECT MANAGER: [Name], DESIGNER: [Name], DATE: 10/23/24, 7:30 AM BY WAHLEY, RUSSELL



REV#	DATE	DESCRIPTION	BY



GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION – PHASE 2
PLAYGROUND BLOCK – SOUTH REMOVAL

ISSUED FOR: [Name]	DATE: 10/23/24	BY: SAL	JOB NO. GPA200301F
SHEET			L1-2

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KEY NOTES - PROPOSED

CG - CURB AND GUTTER

- CG-1 STANDARD CURB AND GUTTER (11) (L21-1)
- CG-2 CURB RAMP (9) (L21-1)

LS - LANDSCAPE

- LS-1 PLANTER BED (1) (L23-1)
- LS-2 BIORETENTION BED (3) (L23-1)
- LANDSCAPE BOULDER (1) (L23-1)
- BARRIER BOULDER (2) (L23-1)
- LS-5 TREE GRATE (9) (L21-3)
- LS-6 RIVER ACCESS STONE (14) (L21-1)

PA - PAVING

- PA-1 CONCRETE WALK - STANDARD (3) (L21-1)
- PA-2 CONCRETE WALK 8" - REINFORCED (4) (L21-1)
- PA-3 CONCRETE WALK - EXPOSED AGGREGATE (6) (L21-1)
- PA-4 CONCRETE - INTEGRAL COLOR (3) (L21-1)
- PA-5 ASPHALT ROADWAY (1) (L21-1)
- PA-6 ASPHALT TRAIL (2) (L21-1)
- PA-7 PERMEABLE PAVER (8) (L21-1)
- PA-8 STANDARD PAVER (7) (L21-1)
- PA-9 STAIRS - STANDARD (1) (L21-7)
- PA-10 STAIRS - CUSTOM (14) (L21-1)
- PA-11 STAIRS - PERRONS (8) (L21-4)
- PA-12 MEET EXISTING PAVEMENT (8) (L21-4)

SF - SITE FEATURES

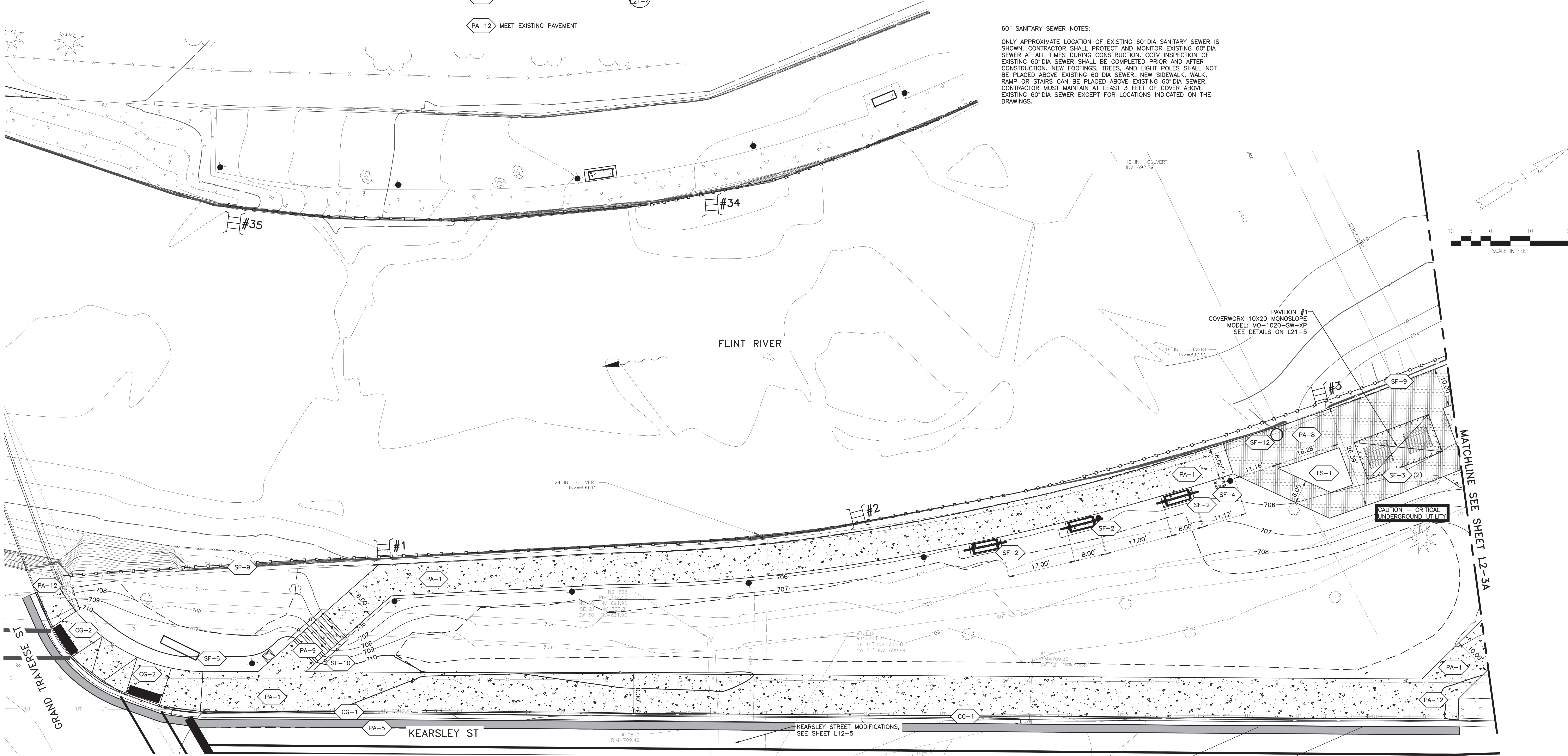
- PA-13 CROSSWALK (8) (L21-2)
- SF-1 BENCH - STANDARD (6) (L21-3)
- SF-2 SWINGING BENCH (10) (L21-5)
- SF-3 PICNIC TABLE (9) (L21-3)
- LITTER BIN (1) (L21-3)
- SF-5 BIKE RACKS (8) (L21-3)
- SF-6 PARK SIGN (10) (L21-3)
- RIVER EGRESS LADDER (8) (L21-3)
- SF-8 BBQ GRILL AND ASH BIN (2) (L21-6)
- SF-9 RAILING - TYPE A (1) (L21-3)

SF - SITE FEATURES

- SF-10 RAILING - TYPE B (8) (L21-4)
- SF-11 EXISTING HANDRAIL - CLEANING AND PAINTING (7) (L21-5)
- SF-12 USCG LIFE RING (7) (L21-5)

SW - SITE WALLS
SEE STRUCTURAL PLANS FOR DETAILS

- SW-1 RETAINING WALL
- SW-2 SEAT WALL
- SW-3 FLOOD PROTECTION WALL
- SW-4 RAISED PLANTER WALL
- SW-5 OUTCROPPING STONE WALL (9) (L21-5)
- SW-6 CURB WALL



60" SANITARY SEWER NOTES:
 ONLY APPROXIMATE LOCATION OF EXISTING 60" DIA SANITARY SEWER IS SHOWN. CONTRACTOR SHALL PROTECT AND MONITOR EXISTING 60" DIA SEWER AT ALL TIMES DURING CONSTRUCTION. CCTV INSPECTION OF EXISTING 60" DIA SEWER SHALL BE COMPLETED PRIOR AND AFTER CONSTRUCTION. NEW FOOTINGS, TREES, AND LIGHT POLES SHALL NOT BE PLACED ABOVE EXISTING 60" DIA SEWER. NEW SIDEWALK, WALK, RAMP OR STAIRS CAN BE PLACED ABOVE EXISTING 60" DIA SEWER. CONTRACTOR MUST MAINTAIN AT LEAST 3 FEET OF COVER ABOVE EXISTING 60" DIA SEWER EXCEPT FOR LOCATIONS INDICATED ON THE DRAWINGS.

PAVILION #1
 COVERWORK 10X20 MONOSLOPE
 MODEL: MO-1020-SW-XP
 SEE DETAILS ON L21-5

CAUTION - CRITICAL UNDERGROUND UTILITY



FILED: PARK INFORMATION: C:\P\WORK\2\0161530\CSF-PLUS-LAYOUT-PARK_BLOCKS.DWG - L1-3 - PLOTTED: 10/24/2024 7:34 AM BY: WHALEY, RUSSELL



REV#	DATE	DESCRIPTION	BY

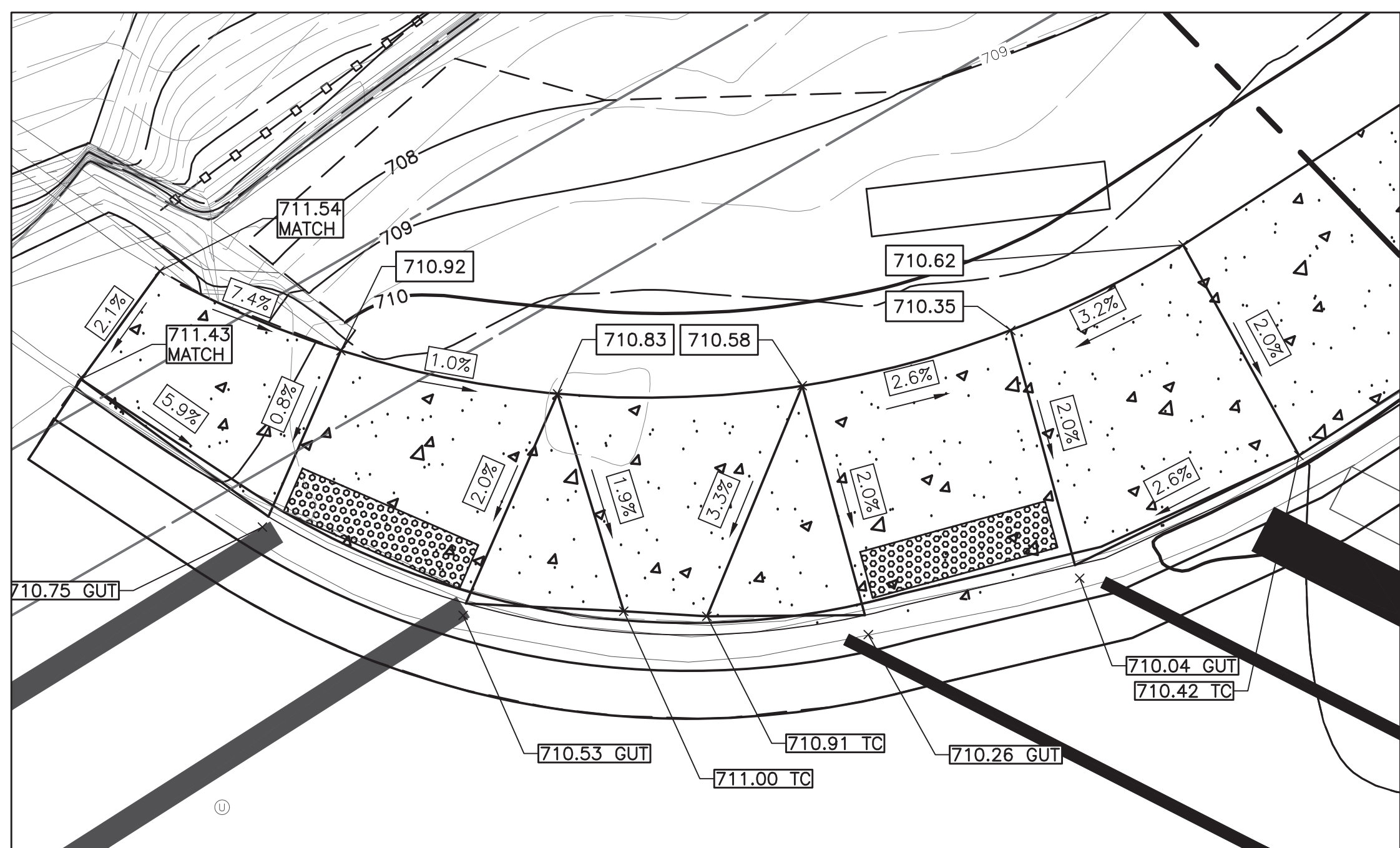


GENESEE COUNTY PARKS & REC
 5045 E. STANLEY ROAD
 FLINT, MI 48506

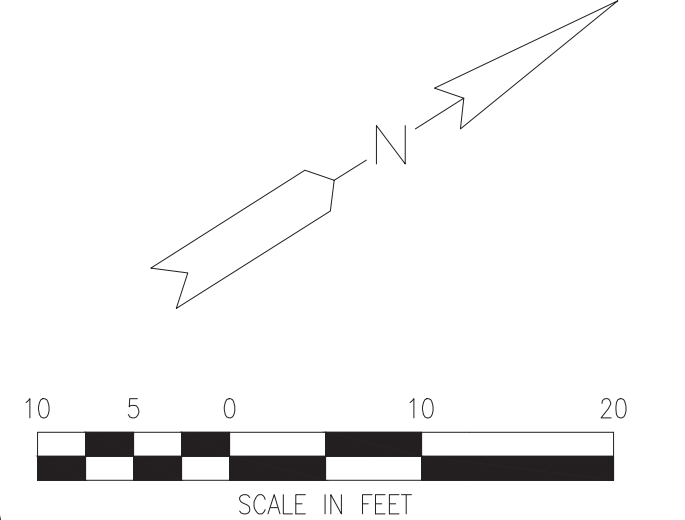
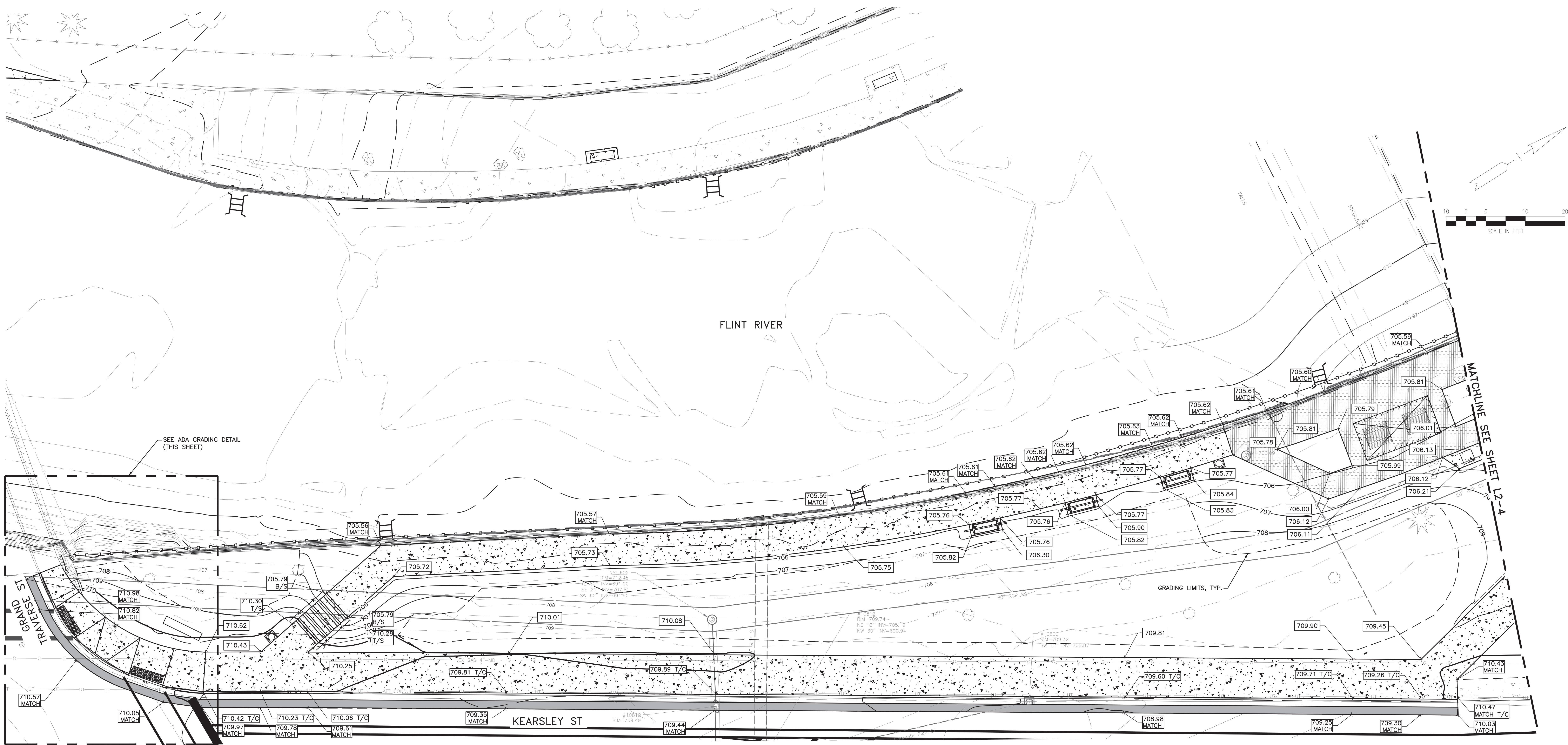
FLINT RIVERFRONT RESTORATION - PHASE 2
 PLAYGROUND BLOCK - SOUTH LAYOUT

ISSUED FOR: (FB)	DATE: 10/23/24	BY: SAL	JOB NO: GPA200301F
SHEET			L1-3

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ADA GRADING DETAIL
SCALE: 1" = 5'



PROJECT MANAGER: [Name], [Title] - [Date] - [Project Name] - [Sheet Number] - [Scale] - [Author]

FLINT RIVER RESTORATION



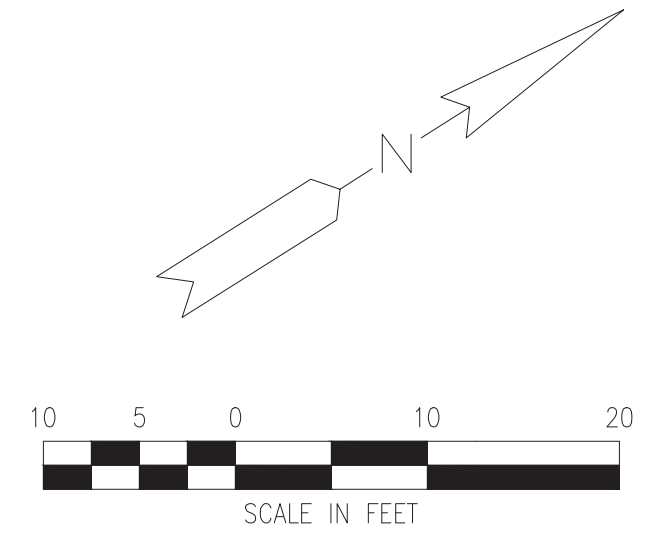
REV#	DATE	DESCRIPTION	BY



GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
PLAYGROUND BLOCK - SOUTH GRADING

ISSUED FOR: [Name]	DATE: 10/23/24	BY: [Name]	JOB NO. GPA200301F
			SHEET L1-4

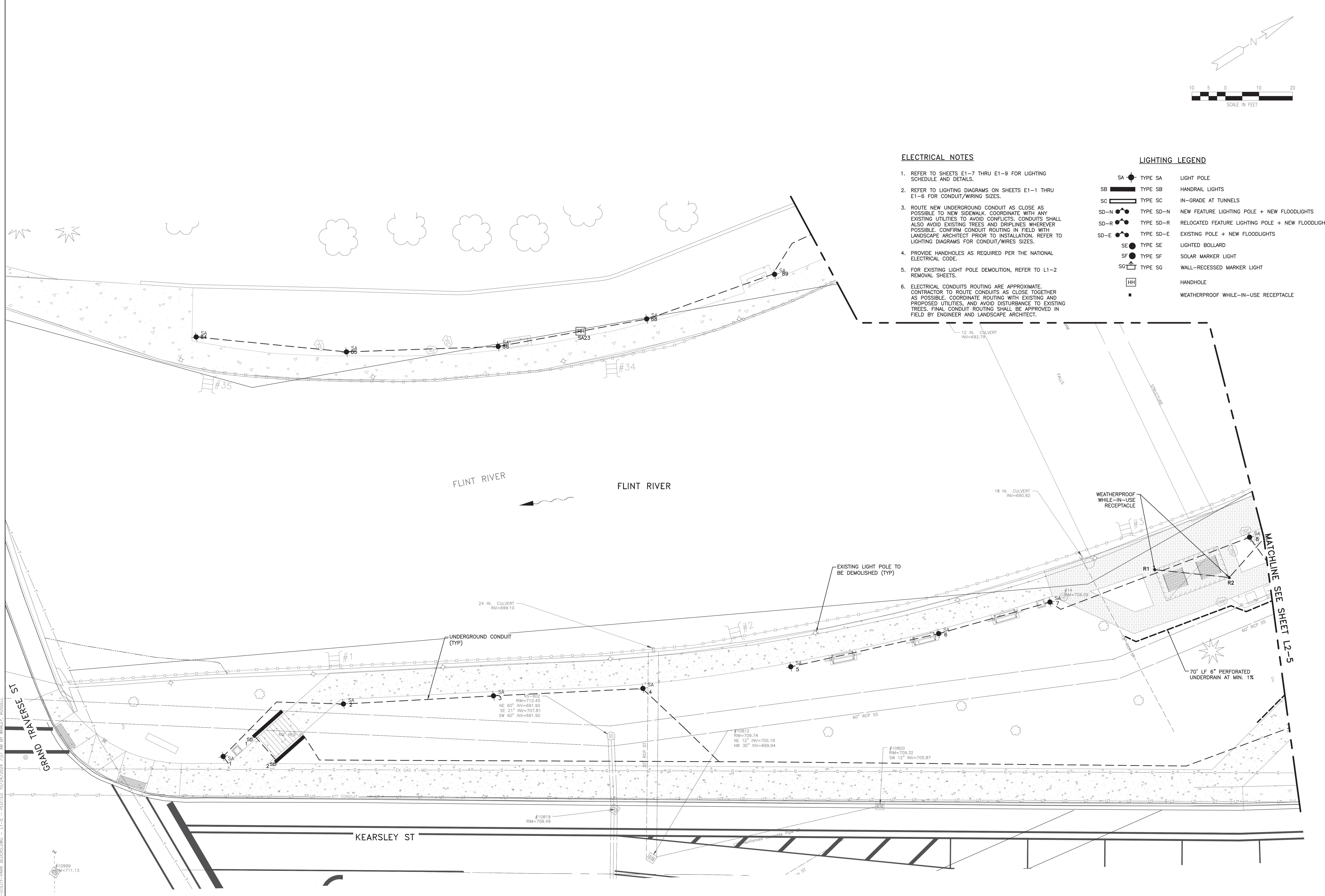


ELECTRICAL NOTES

1. REFER TO SHEETS E1-7 THRU E1-9 FOR LIGHTING SCHEDULE AND DETAILS.
2. REFER TO LIGHTING DIAGRAMS ON SHEETS E1-1 THRU E1-6 FOR CONDUIT/WIRING SIZES.
3. ROUTE NEW UNDERGROUND CONDUIT AS CLOSE AS POSSIBLE TO NEW SIDEWALK. COORDINATE WITH ANY EXISTING UTILITIES TO AVOID CONFLICTS. CONDUITS SHALL ALSO AVOID EXISTING TREES AND DRIP LINES WHEREVER POSSIBLE. CONFIRM CONDUIT ROUTING IN FIELD WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. REFER TO LIGHTING DIAGRAMS FOR CONDUIT/WIRES SIZES.
4. PROVIDE HANDHOLES AS REQUIRED PER THE NATIONAL ELECTRICAL CODE.
5. FOR EXISTING LIGHT POLE DEMOLITION, REFER TO L1-2 REMOVAL SHEETS.
6. ELECTRICAL CONDUITS ROUTING ARE APPROXIMATE. CONTRACTOR TO ROUTE CONDUITS AS CLOSE TOGETHER AS POSSIBLE. COORDINATE ROUTING WITH EXISTING AND PROPOSED UTILITIES, AND AVOID DISTURBANCE TO EXISTING TREES. FINAL CONDUIT ROUTING SHALL BE APPROVED IN FIELD BY ENGINEER AND LANDSCAPE ARCHITECT.

LIGHTING LEGEND

- SA ● TYPE SA LIGHT POLE
- SB ■ TYPE SB HANDRAIL LIGHTS
- SC ■ TYPE SC IN-GRADE AT TUNNELS
- SD-N ● TYPE SD-N NEW FEATURE LIGHTING POLE + NEW FLOODLIGHTS
- SD-R ● TYPE SD-R RELOCATED FEATURE LIGHTING POLE + NEW FLOODLIGHTS
- SD-E ● TYPE SD-E EXISTING POLE + NEW FLOODLIGHTS
- SE ● TYPE SE LIGHTED BOLLARD
- SF ● TYPE SF SOLAR MARKER LIGHT
- SG ■ TYPE SG WALL-RECESSED MARKER LIGHT
- HH □ HANDHOLE
- WEATHERPROOF WHILE-IN-USE RECEPTACLE



PROJECT MANAGER: JAMES WHEALEY
 CIVIL ENGINEER: JAMES WHEALEY
 FILED: PARK RESTORATION
 C:\P\WORK\2024\06\15\01\GPA200301F\GPA200301F-UTILITY-PARK_BLOCKS.DWG - L1-5 - PLOTTED: 10/24/2024 7:37 AM BY WHALEY, RUSSELL



REV#	DATE	DESCRIPTION	BY



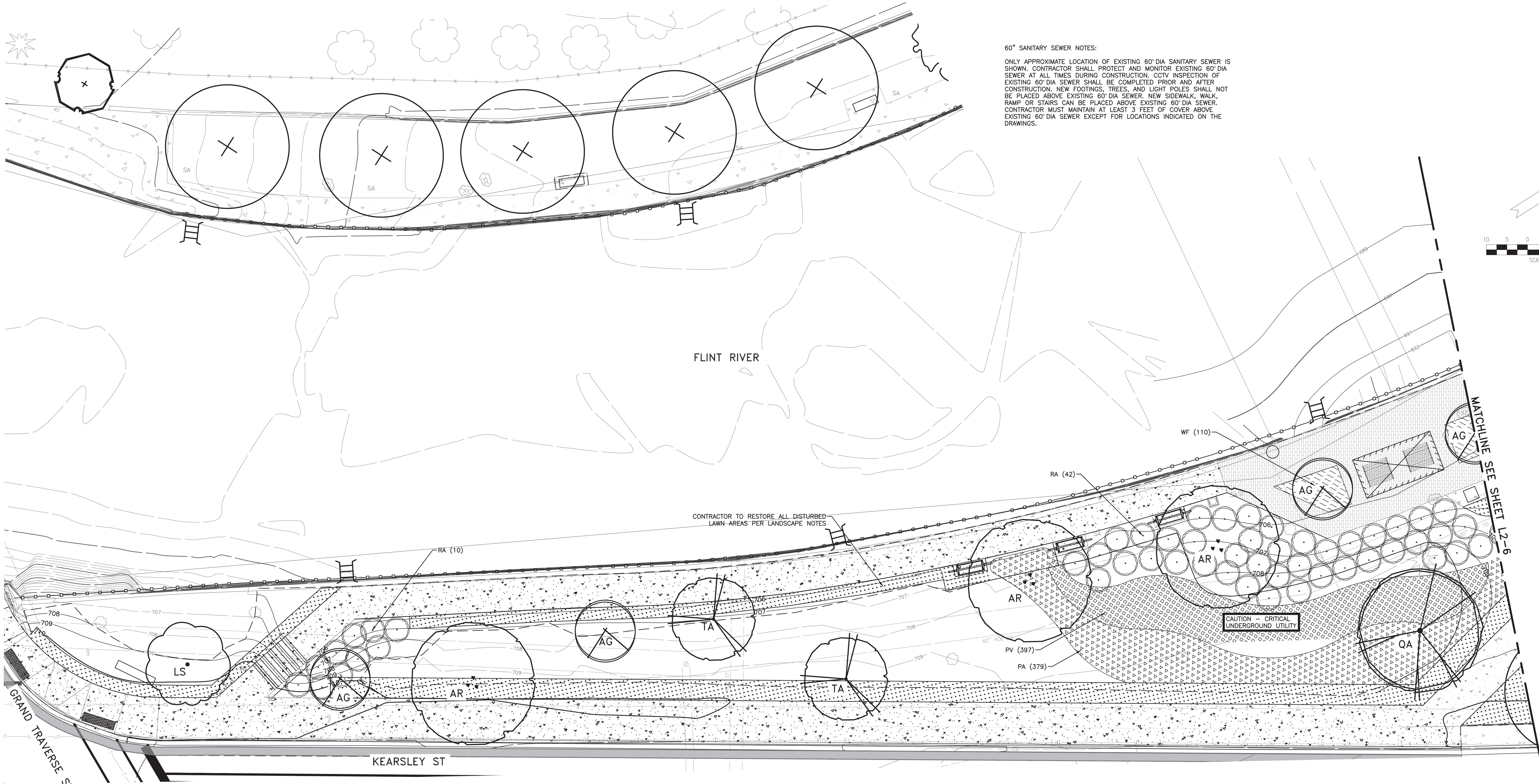
GENESEE COUNTY PARKS & REC
 5045 E. STANLEY ROAD
 FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
PLAYGROUND BLOCK - SOUTH UTILITY

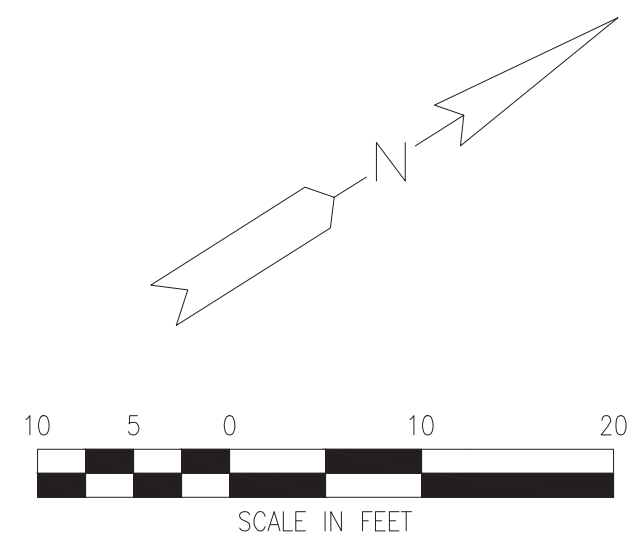
ISSUED FOR: DATE: BY:
 JFB 10/23/24 SAL

JOB NO. GPA200301F
 SHEET L1-5

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60" SANITARY SEWER NOTES:
 ONLY APPROXIMATE LOCATION OF EXISTING 60" DIA SANITARY SEWER IS SHOWN. CONTRACTOR SHALL PROTECT AND MONITOR EXISTING 60" DIA SEWER AT ALL TIMES DURING CONSTRUCTION. CCTV INSPECTION OF EXISTING 60" DIA SEWER SHALL BE COMPLETED PRIOR AND AFTER CONSTRUCTION. NEW FOOTINGS, TREES, AND LIGHT POLES SHALL NOT BE PLACED ABOVE EXISTING 60" DIA SEWER. NEW SIDEWALK, WALK, RAMP OR STAIRS CAN BE PLACED ABOVE EXISTING 60" DIA SEWER. CONTRACTOR MUST MAINTAIN AT LEAST 3 FEET OF COVER ABOVE EXISTING 60" DIA SEWER EXCEPT FOR LOCATIONS INDICATED ON THE DRAWINGS.



CONTRACTOR TO RESTORE ALL DISTURBED LAWN AREAS PER LANDSCAPE NOTES

CAUTION - CRITICAL UNDERGROUND UTILITY

PROJECT MANAGER: JAMES WHEALEY
 CIVIL ENGINEER: JAMES WHEALEY
 LANDSCAPE ARCHITECT: JAMES WHEALEY
 DATE: 10/24/2024
 TIME: 7:39 AM
 BY: WHEALEY, RUSSELL



REV#	DATE	DESCRIPTION	BY



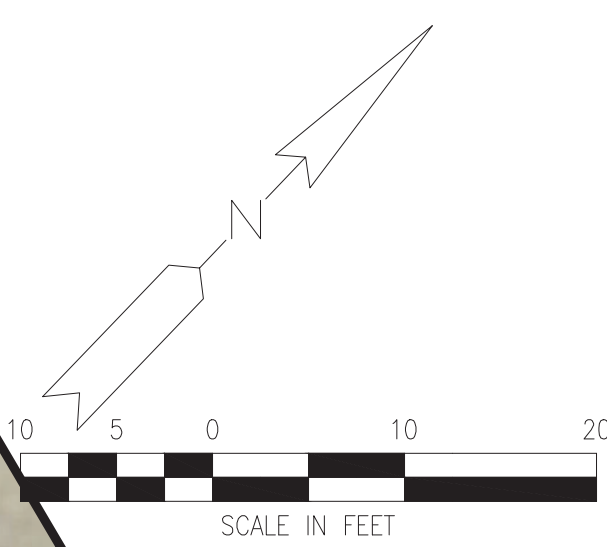
GENESSEE COUNTY PARKS & REC
 5045 E. STANLEY ROAD
 FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
 PLAYGROUND BLOCK - SOUTH LANDSCAPE

ISSUED FOR: FB
 DATE: 10/23/24
 BY: SAL

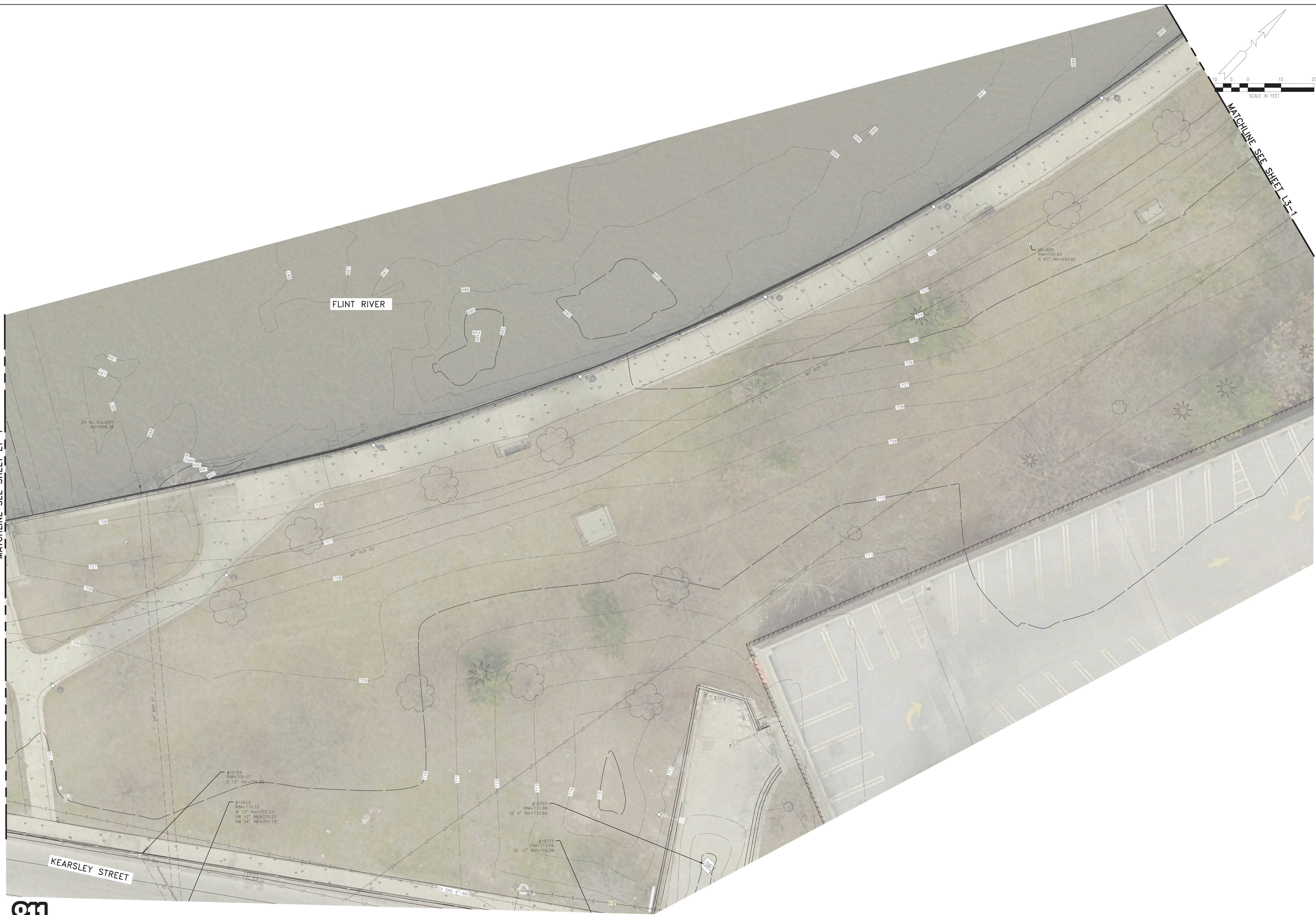
JOB NO.: GPA200301F
 SHEET: L1-6

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MATCHLINE SEE SHEET L2-1

MATCHLINE SEE SHEET L1-1



PROJECT MANAGER: JAMES WHEALEY; DESIGNER: JAMES WHEALEY; DATE: 10/24/2024; 9:40 AM BY: WHEALEY, RUSSELL



REV#	DATE	DESCRIPTION	BY



GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
PLAYGROUND BLOCK - CENTRAL EXISTING

ISSUED FOR: FB
DATE: 10/23/24
BY: SAL

JOB NO. GPA200301F
SHEET L2-1

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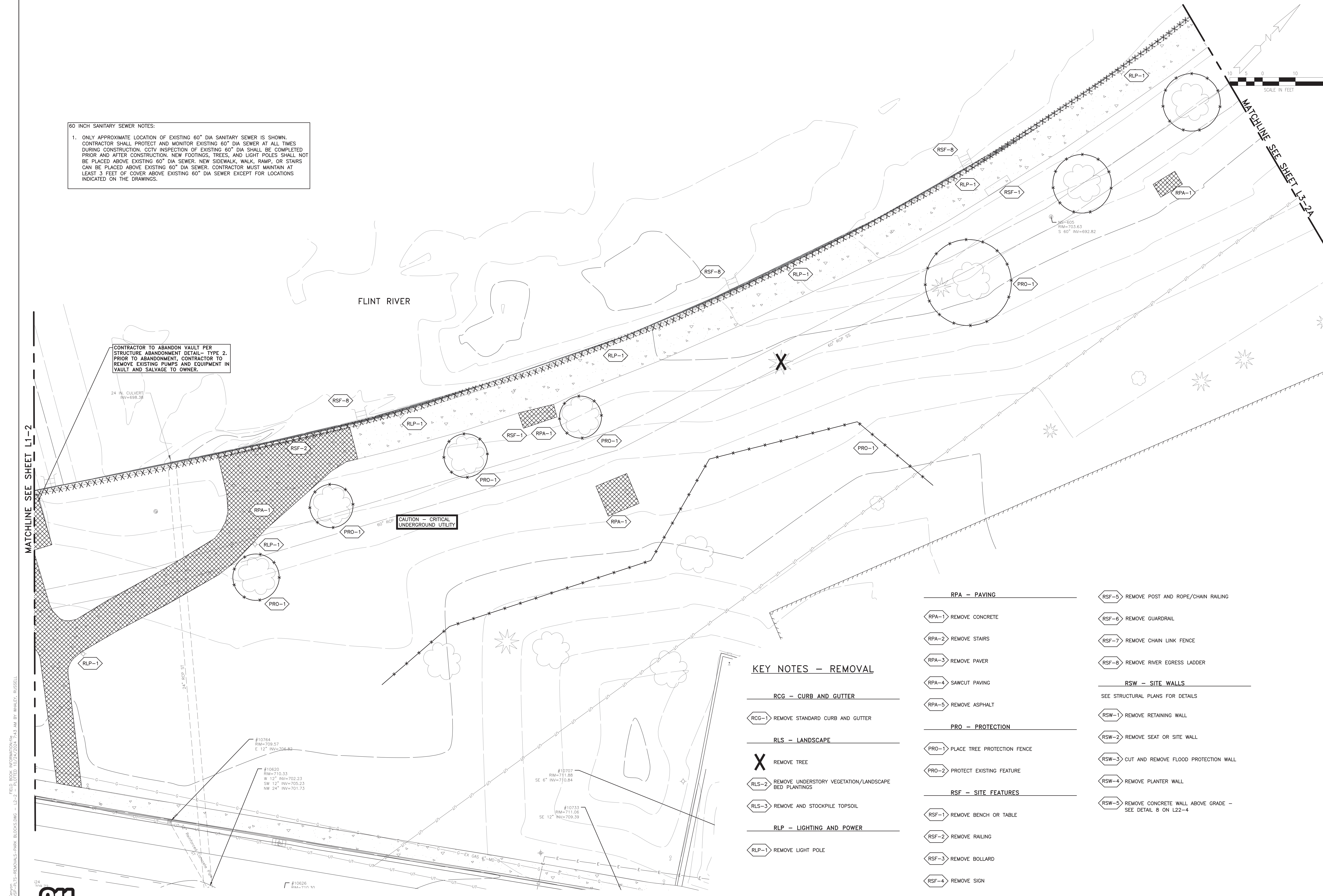
60 INCH SANITARY SEWER NOTES:

- ONLY APPROXIMATE LOCATION OF EXISTING 60" DIA SANITARY SEWER IS SHOWN. CONTRACTOR SHALL PROTECT AND MONITOR EXISTING 60" DIA SEWER AT ALL TIMES DURING CONSTRUCTION. CCTV INSPECTION OF EXISTING 60" DIA SHALL BE COMPLETED PRIOR AND AFTER CONSTRUCTION. NEW FOOTINGS, TREES, AND LIGHT POLES SHALL NOT BE PLACED ABOVE EXISTING 60" DIA SEWER. NEW SIDEWALK, WALK, RAMP, OR STAIRS CAN BE PLACED ABOVE EXISTING 60" DIA SEWER. CONTRACTOR MUST MAINTAIN AT LEAST 3 FEET OF COVER ABOVE EXISTING 60" DIA SEWER EXCEPT FOR LOCATIONS INDICATED ON THE DRAWINGS.

CONTRACTOR TO ABANDON VAULT PER STRUCTURE ABANDONMENT DETAIL- TYPE 2. PRIOR TO ABANDONMENT, CONTRACTOR TO REMOVE EXISTING PUMPS AND EQUIPMENT IN VAULT AND SALVAGE TO OWNER.

24 IN. CULVERT
INV=698.58

CAUTION - CRITICAL UNDERGROUND UTILITY



MATCHLINE SEE SHEET L3-2A

MATCHLINE SEE SHEET L1-2

KEY NOTES - REMOVAL

- RCG - CURB AND GUTTER**
 - RCG-1 REMOVE STANDARD CURB AND GUTTER
- RLS - LANDSCAPE**
 - X REMOVE TREE
 - RLS-2 REMOVE UNDERSTORY VEGETATION/LANDSCAPE BED PLANTINGS
 - RLS-3 REMOVE AND STOCKPILE TOPSOIL
- RLP - LIGHTING AND POWER**
 - RLP-1 REMOVE LIGHT POLE

- RPA - PAVING**
 - RPA-1 REMOVE CONCRETE
 - RPA-2 REMOVE STAIRS
 - RPA-3 REMOVE PAVER
 - RPA-4 SAWCUT PAVING
 - RPA-5 REMOVE ASPHALT
- PRO - PROTECTION**
 - PRO-1 PLACE TREE PROTECTION FENCE
 - PRO-2 PROTECT EXISTING FEATURE
- RSF - SITE FEATURES**
 - RSF-1 REMOVE BENCH OR TABLE
 - RSF-2 REMOVE RAILING
 - RSF-3 REMOVE BOLLARD
 - RSF-4 REMOVE SIGN
- RSW - SITE WALLS**
 - RSW-1 REMOVE RETAINING WALL
 - RSW-2 REMOVE SEAT OR SITE WALL
 - RSW-3 CUT AND REMOVE FLOOD PROTECTION WALL
 - RSW-4 REMOVE PLANTER WALL
 - RSW-5 REMOVE CONCRETE WALL ABOVE GRADE - SEE DETAIL 8 ON L22-4
- RSF - SITE FEATURES (Continued)**
 - RSF-5 REMOVE POST AND ROPE/CHAIN RAILING
 - RSF-6 REMOVE GUARDRAIL
 - RSF-7 REMOVE CHAIN LINK FENCE
 - RSF-8 REMOVE RIVER EGRESS LADDER

PROJECT MANAGER: JAMES WEAVER; DESIGNER: JAMES WEAVER; DATE PLOTTED: 10/24/2024 7:43 AM BY WHALEY, RUSSELL



REV#	DATE	DESCRIPTION	BY



GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
PLAYGROUND BLOCK - CENTRAL REMOVAL

ISSUED FOR: FB	DATE: 10/23/24	BY: SAL	JOB NO: GPA200301F
SHEET			L2-2A

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KEY NOTES – PROPOSED

CG – CURB AND GUTTER

- CG-1 STANDARD CURB AND GUTTER
- CG-2 CURB RAMP

LS – LANDSCAPE

- LS-1 PLANTER BED
- LS-2 BIORETENTION BED
- LANDSCAPE BOULDER
- BARRIER BOULDER
- LS-5 TREE GRATE
- LS-6 RIVER ACCESS STONE

PA – PAVING

- PA-1 CONCRETE WALK – STANDARD
- PA-2 CONCRETE WALK 8" – REINFORCED
- PA-3 CONCRETE WALK – EXPOSED AGGREGATE
- PA-4 CONCRETE – INTEGRAL COLOR
- PA-5 ASPHALT ROADWAY

- PA-6 ASPHALT TRAIL
- PA-7 PERMEABLE PAVER
- PA-8 STANDARD PAVER
- PA-9 STAIRS – STANDARD
- PA-10 STAIRS – CUSTOM
- PA-11 STAIRS – PERRONS
- PA-12 MEET EXISTING PAVEMENT
- PA-13 CROSSWALK

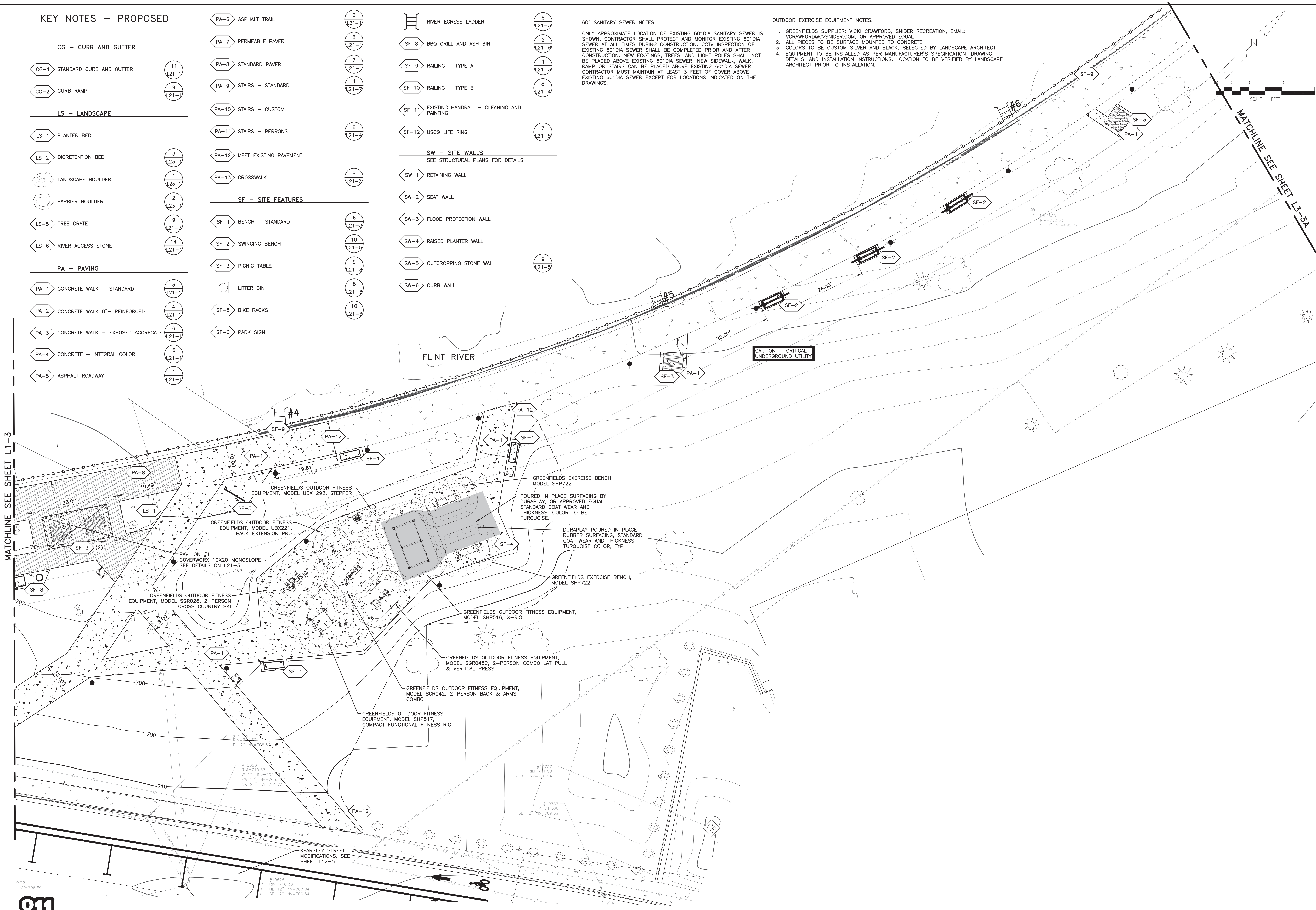
- SF – SITE FEATURES
- SF-1 BENCH – STANDARD
- SF-2 SWINGING BENCH
- SF-3 PICNIC TABLE
- LITTER BIN
- SF-5 BIKE RACKS
- SF-6 PARK SIGN

- RIVER EGRESS LADDER
- SF-8 BBQ GRILL AND ASH BIN
- SF-9 RAILING – TYPE A
- SF-10 RAILING – TYPE B
- SF-11 EXISTING HANDRAIL – CLEANING AND PAINTING
- SF-12 USCG LIFE RING

- SW – SITE WALLS
- SEE STRUCTURAL PLANS FOR DETAILS
- SW-1 RETAINING WALL
- SW-2 SEAT WALL
- SW-3 FLOOD PROTECTION WALL
- SW-4 RAISED PLANTER WALL
- SW-5 OUTCROPPING STONE WALL
- SW-6 CURB WALL

60" SANITARY SEWER NOTES:
 ONLY APPROXIMATE LOCATION OF EXISTING 60" DIA SANITARY SEWER IS SHOWN. CONTRACTOR SHALL PROTECT AND MONITOR EXISTING 60" DIA SEWER AT ALL TIMES DURING CONSTRUCTION. CITY INSPECTION OF EXISTING 60" DIA SEWER SHALL BE COMPLETED PRIOR AND AFTER CONSTRUCTION. NEW FOOTINGS, TREES, AND LIGHT POLES SHALL NOT BE PLACED ABOVE EXISTING 60" DIA SEWER. NEW SIDEWALK, WALK, RAMP OR STAIRS CAN BE PLACED ABOVE EXISTING 60" DIA SEWER. CONTRACTOR MUST MAINTAIN AT LEAST 3 FEET OF COVER ABOVE EXISTING 60" DIA SEWER EXCEPT FOR LOCATIONS INDICATED ON THE DRAWINGS.

OUTDOOR EXERCISE EQUIPMENT NOTES:
 1. GREENFIELDS SUPPLIER: VICKI CRAWFORD, SNIDER RECREATION, EMAIL: VCRAWFORD@SNIDER.COM, OR APPROVED EQUAL.
 2. ALL PIECES TO BE SURFACE MOUNTED TO CONCRETE.
 3. COLORS TO BE CUSTOM SILVER AND BLACK, SELECTED BY LANDSCAPE ARCHITECT.
 4. EQUIPMENT TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATION, DRAWING DETAILS, AND INSTALLATION INSTRUCTIONS. LOCATION TO BE VERIFIED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.



PROJECT MANAGER: VICKI CRAWFORD, SNIDER RECREATION; CIVIL ENGINEER: VICKI CRAWFORD, SNIDER RECREATION; DATE PLOTTED: 10/24/2024 7:48 AM BY: WHALEY, RUSSELL



REV#	DATE	DESCRIPTION	BY



GENESEE COUNTY PARKS & REC
 5045 E. STANLEY ROAD
 FLINT, MI 48506

FLINT RIVERFRONT RESTORATION – PHASE 2
 PLAYGROUND BLOCK – CENTRAL LAYOUT

ISSUED FOR: FB	DATE: 10/23/24	BY: SAL	JOB NO: GPA200301F
SHEET			L2-3A

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SCALE IN FEET



MATCHLINE SEE SHEET L3-4

FLINT RIVER

MATCHLINE SEE SHEET L1-4



GRADING LIMITS, TYP.

KEARSLEY STREET



Know what's below. Call before you dig.

REV#	DATE	DESCRIPTION	BY



GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

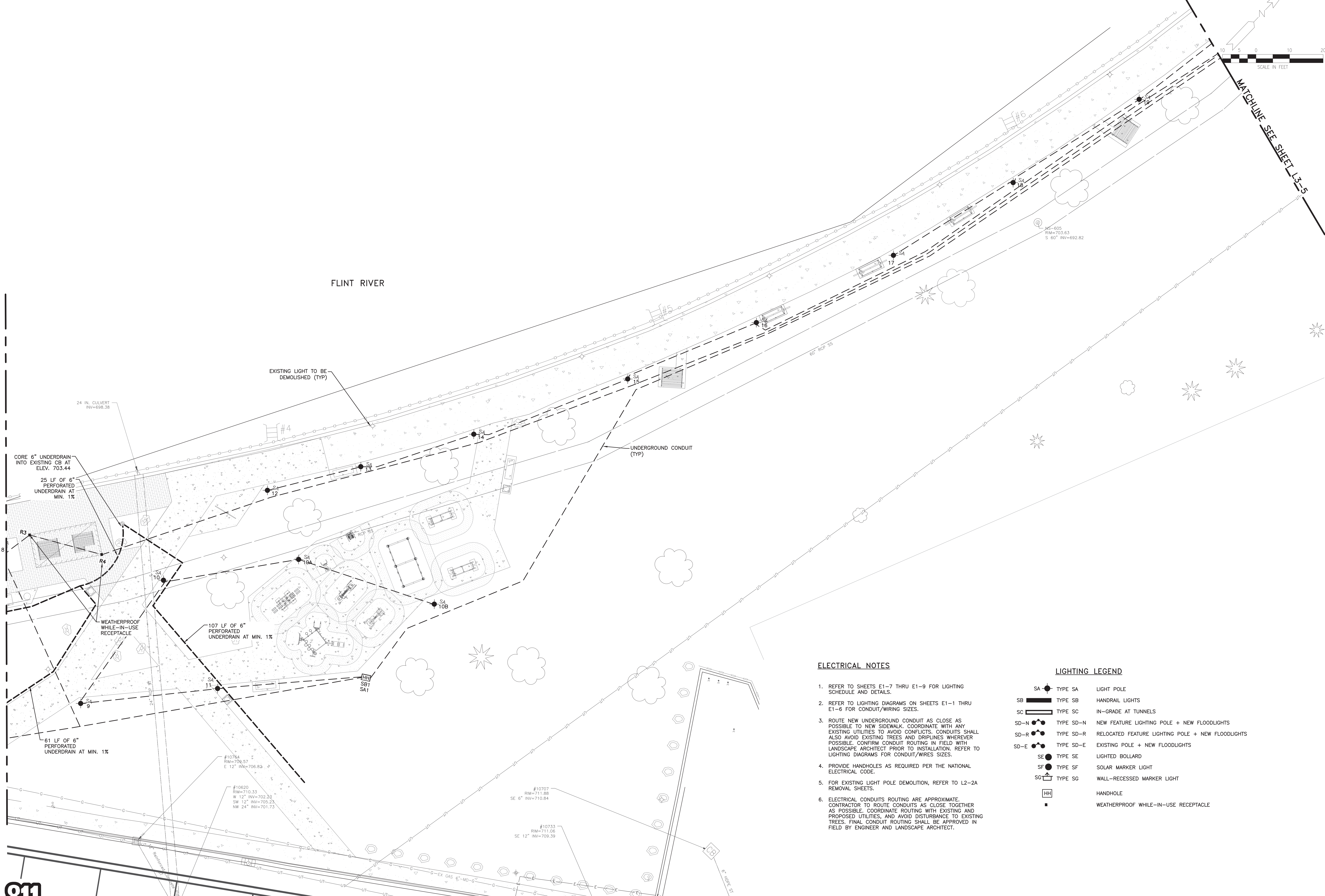
FLINT RIVERFRONT RESTORATION - PHASE 2
PLAYGROUND BLOCK - CENTRAL GRADING

ISSUED FOR: FB	DATE: 10/23/24	BY: SAL	JOB NO. GPA200301F
SHEET			L2-4

FLINT RIVER RESTORATION

FLINT RIVER

MATCHLINE SEE SHEET L1-5



ELECTRICAL NOTES

- REFER TO SHEETS E1-7 THRU E1-9 FOR LIGHTING SCHEDULE AND DETAILS.
- REFER TO LIGHTING DIAGRAMS ON SHEETS E1-1 THRU E1-6 FOR CONDUIT/WIRING SIZES.
- ROUTE NEW UNDERGROUND CONDUIT AS CLOSE AS POSSIBLE TO NEW SIDEWALK. COORDINATE WITH ANY EXISTING UTILITIES TO AVOID CONFLICTS. CONDUITS SHALL ALSO AVOID EXISTING TREES AND DRIP LINES WHEREVER POSSIBLE. CONFIRM CONDUIT ROUTING IN FIELD WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. REFER TO LIGHTING DIAGRAMS FOR CONDUIT/WIRES SIZES.
- PROVIDE HANDHOLES AS REQUIRED PER THE NATIONAL ELECTRICAL CODE.
- FOR EXISTING LIGHT POLE DEMOLITION, REFER TO L2-2A REMOVAL SHEETS.
- ELECTRICAL CONDUITS ROUTING ARE APPROXIMATE. CONTRACTOR TO ROUTE CONDUITS AS CLOSE TOGETHER AS POSSIBLE. COORDINATE ROUTING WITH EXISTING AND PROPOSED UTILITIES, AND AVOID DISTURBANCE TO EXISTING TREES. FINAL CONDUIT ROUTING SHALL BE APPROVED IN FIELD BY ENGINEER AND LANDSCAPE ARCHITECT.

LIGHTING LEGEND

- SA ● TYPE SA LIGHT POLE
- SB ■ TYPE SB HANDRAIL LIGHTS
- SC ■ TYPE SC IN-GRADE AT TUNNELS
- SD-N ●● TYPE SD-N NEW FEATURE LIGHTING POLE + NEW FLOODLIGHTS
- SD-R ●● TYPE SD-R RELOCATED FEATURE LIGHTING POLE + NEW FLOODLIGHTS
- SD-E ●● TYPE SD-E EXISTING POLE + NEW FLOODLIGHTS
- SE ● TYPE SE LIGHTED BOLLARD
- SF ● TYPE SF SOLAR MARKER LIGHT
- SG ■ TYPE SG WALL-RECESSED MARKER LIGHT
- HH □ HANDHOLE
- WEATHERPROOF WHILE-IN-USE RECEPTACLE



REV#	DATE	DESCRIPTION	BY



GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
PLAYGROUND BLOCK - CENTRAL UTILITY

ISSUED FOR: FB	DATE: 10/23/24	BY: SAL	JOB NO. GPA200301F
SHEET			L2-5

PROJECT MANAGER: CHRIS WEAVER, GENEESE COUNTY PARKS & RECREATION DEPARTMENT, 5045 E. STANLEY ROAD, FLINT, MI 48906
DESIGNER: WHALEY, RUSSELL & ASSOCIATES, 1000 W. WASHINGTON STREET, SUITE 201, FLINT, MI 48906
DATE: 10/24/2024 7:51 AM
PLOT: L2-6

MATCHLINE SEE SHEET L1-6

MATCHLINE SEE SHEET L3-6

FLINT RIVER

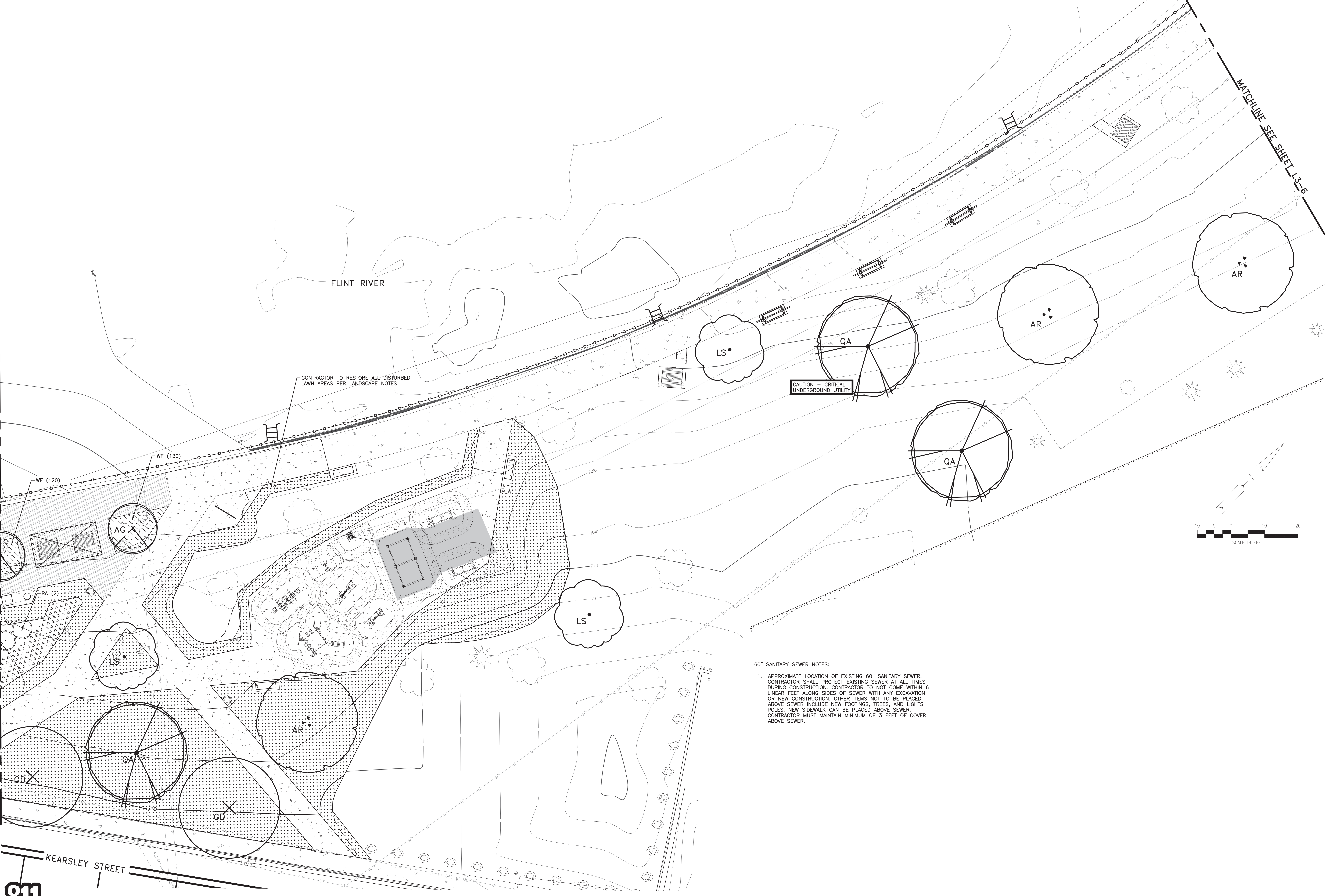
CONTRACTOR TO RESTORE ALL DISTURBED LAWN AREAS PER LANDSCAPE NOTES

CAUTION - CRITICAL UNDERGROUND UTILITY



60" SANITARY SEWER NOTES:

1. APPROXIMATE LOCATION OF EXISTING 60" SANITARY SEWER. CONTRACTOR SHALL PROTECT EXISTING SEWER AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR TO NOT COME WITHIN 6 LINEAR FEET ALONG SIDES OF SEWER WITH ANY EXCAVATION OR NEW CONSTRUCTION. OTHER ITEMS NOT TO BE PLACED ABOVE SEWER INCLUDE NEW FOOTINGS, TREES, AND LIGHTS POLES. NEW SIDEWALK CAN BE PLACED ABOVE SEWER. CONTRACTOR MUST MAINTAIN MINIMUM OF 3 FEET OF COVER ABOVE SEWER.



REV#	DATE	DESCRIPTION	BY

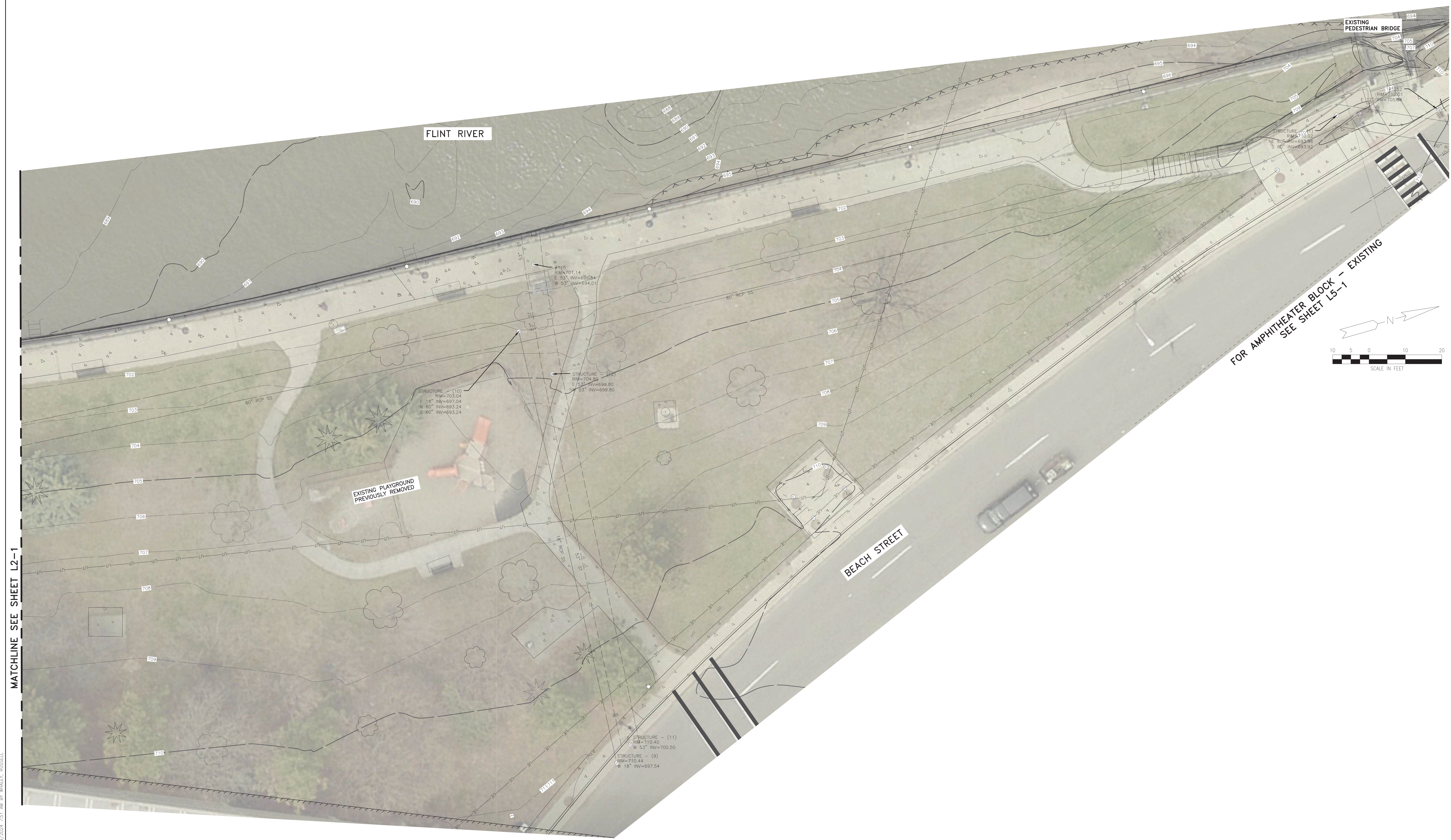


GENEESE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48906

FLINT RIVERFRONT RESTORATION - PHASE 2
PLAYGROUND BLOCK - CENTRAL LANDSCAPE

ISSUED FOR: FB	DATE: 10/23/24	BY: SAL	JOB NO.: GPA200301F
SHEET			L2-6

FLINT RIVER RESTORATION



MATCHLINE SEE SHEET L2-1

FOR AMPHITHEATER BLOCK - EXISTING
SEE SHEET L3-1

PROJECT MANAGER: JAMES WHEALEY; FIELD PLANNING SUPERVISOR: JAMES WHEALEY; DESIGNER: JAMES WHEALEY; CHECKER: JAMES WHEALEY; DATE: 10/24/2024 7:51 AM BY: WHEALEY, RUSSELL



REV#	DATE	DESCRIPTION	BY



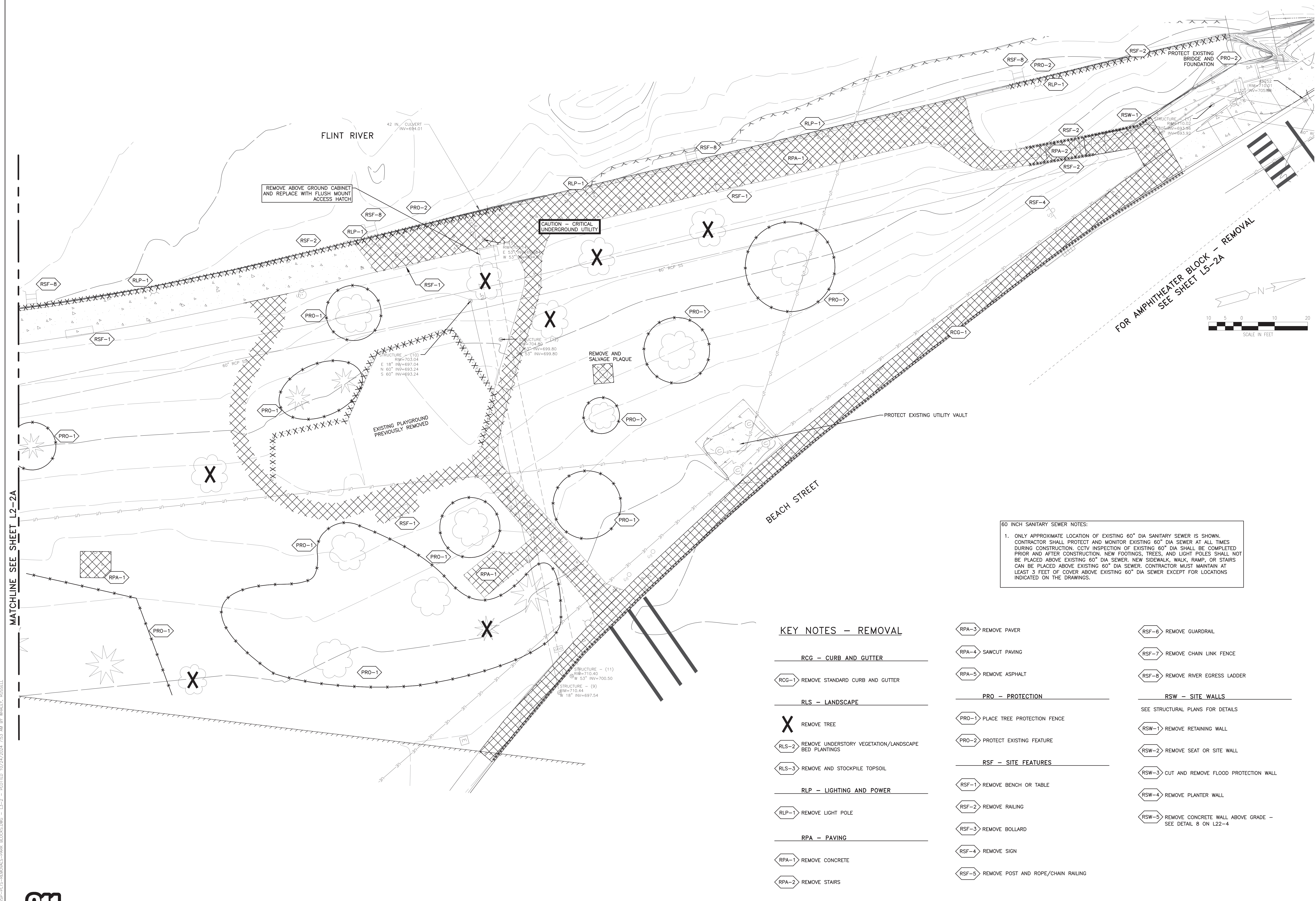
GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
PLAYGROUND BLOCK - NORTH EXISTING

ISSUED FOR: FBI	DATE: 10/23/24	BY: SAL
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JOB NO. GPA200301F
SHEET L3-1

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MATCHLINE SEE SHEET L2-2A

PROJECT MANAGER: JAMES WHEALEY; DESIGNER: JAMES WHEALEY; CHECKER: JAMES WHEALEY; DATE: 10/23/24; SCALE: AS SHOWN; SHEET: L3-2



REV#	DATE	DESCRIPTION	BY



GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
PLAYGROUND BLOCK - NORTH REMOVAL

ISSUED FOR: FB	DATE: 10/23/24	BY: SAL	JOB NO: GPA200301F
SHEET			L3-2A

60 INCH SANITARY SEWER NOTES:

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KEY NOTES - REMOVAL

- RCG - CURB AND GUTTER
- RCG-1 REMOVE STANDARD CURB AND GUTTER
- RLS - LANDSCAPE**
- REMOVE TREE
- REMOVE UNDERSTORY VEGETATION/LANDSCAPE BED PLANTINGS
- REMOVE AND STOCKPILE TOPSOIL
- RLP - LIGHTING AND POWER**
- REMOVE LIGHT POLE
- RPA - PAVING**
- REMOVE CONCRETE
- REMOVE STAIRS
- REMOVE PAVER
- SAWCUT PAVING
- REMOVE ASPHALT
- PRO - PROTECTION**
- PLACE TREE PROTECTION FENCE
- PROTECT EXISTING FEATURE
- RSF - SITE FEATURES**
- REMOVE BENCH OR TABLE
- REMOVE RAILING
- REMOVE BOLLARD
- REMOVE SIGN
- REMOVE POST AND ROPE/CHAIN RAILING
- REMOVE GUARDRAIL
- REMOVE CHAIN LINK FENCE
- REMOVE RIVER EGRESS LADDER
- RSW - SITE WALLS**
- SEE STRUCTURAL PLANS FOR DETAILS
- REMOVE RETAINING WALL
- REMOVE SEAT OR SITE WALL
- CUT AND REMOVE FLOOD PROTECTION WALL
- REMOVE PLANTER WALL
- REMOVE CONCRETE WALL ABOVE GRADE - SEE DETAIL 8 ON L22-4

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INSTALL SAFETY LADDER #10
37 FT UPSTREAM FROM
CENTER OF BRIDGE

FLINT RIVER

LANDSCAPE FORMS
"TRAPEZIO BENCH", SEE
DETAIL 6 ON L21-5

FOR AMPHITHEATER BLOCK - LAYOUT
SEE SHEET L5-3A



NOTE: FIELD LOCATE
EXISTING UTILITIES IN
THIS AREA TO CONFIRM
LOCATION PRIOR TO
INSTALLATION OF VAULT
TOILET. LAYOUT OF
VAULT TOILET IS
INTENDED TO BE PLACED
SO EXISTING
UNDERGROUND
TELEPHONE LINE IS
LOCATED WITHIN CHAISE,
BETWEEN TOILET VAULTS,
OR OUTSIDE OF VAULT
TOILET LIMITS.

MATCHLINE SEE SHEET L2-3A

VAULT TOILET, SEE
SHEET L21-5 FOR
DETAILS

REINFORCED LAWN
SEE DETAIL ON
L21-1

18 LF ROLLED CURB
AND GUTTER, SEE
DETAIL 13 ON L21-1

BOLLARD AND CHAIN GATE

PAVILION #3 - COVERWORK
25X25 MONOSLOPE
SEE DETAILS ON L21-5

- W11-2 (36")
9 SFT SIGN, TYPE III B
34 FT 2-POST, STEEL, 3 LB
- W16-7PR (36" X 18")
9 SFT SIGN, TYPE III B
- W11-2 (36")
9 SFT SIGN, TYPE III B
34 FT 2-POST, STEEL, 3 LB
- AHEAD** W16-9P (36" X 18")
9 SFT SIGN, TYPE III B
NOTE: TO BE INSTALLED 285'
SOUTH FROM CROSSWALK SIGNING.

60" SANITARY SEWER NOTES:
ONLY APPROXIMATE LOCATION OF EXISTING 60" DIA SANITARY SEWER IS
SHOWN. CONTRACTOR SHALL PROTECT AND MONITOR EXISTING 60" DIA
SEWER AT ALL TIMES DURING CONSTRUCTION. CCTV INSPECTION OF
EXISTING 60" DIA SEWER SHALL BE COMPLETED PRIOR AND AFTER
CONSTRUCTION. NEW FOOTINGS, TREES, AND LIGHT POLES SHALL NOT
BE PLACED ABOVE EXISTING 60" DIA SEWER. NEW SIDEWALK, WALK,
RAMP OR STAIRS CAN BE PLACED ABOVE EXISTING 60" DIA SEWER.
CONTRACTOR MUST MAINTAIN AT LEAST 3 FEET OF COVER ABOVE
EXISTING 60" DIA SEWER EXCEPT FOR LOCATIONS INDICATED ON THE
DRAWINGS.

KEY NOTES - PROPOSED

CG - CURB AND GUTTER	
CG-1 STANDARD CURB AND GUTTER	11 (L21-1)
CG-2 CURB RAMP	9 (L21-1)
LS - LANDSCAPE	
LS-1 PLANTER BED	3 (L23-1)
LS-2 BIORETENTION BED	1 (L23-1)
LANDSCAPE BOULDER	2 (L23-1)
BARRIER BOULDER	9 (L21-3)
LS-5 TREE GRATE	14 (L21-1)
LS-6 RIVER ACCESS STONE	3 (L21-1)
PA - PAVING	
PA-1 CONCRETE WALK - STANDARD	4 (L21-1)
PA-2 CONCRETE WALK 8" - REINFORCED	6 (L21-1)
PA-3 CONCRETE WALK - EXPOSED AGGREGATE	3 (L21-1)
PA-4 CONCRETE - INTEGRAL COLOR	1 (L21-1)
PA-5 ASPHALT ROADWAY	2 (L21-1)
PA-6 ASPHALT TRAIL	8 (L21-1)
PA-7 PERMEABLE PAVER	7 (L21-1)
PA-8 STANDARD PAVER	7 (L21-1)

PA-9 STAIRS - STANDARD	1 (L21-7)
PA-10 STAIRS - CUSTOM	8 (L21-4)
PA-11 STAIRS - PERRONS	8 (L21-4)
PA-12 MEET EXISTING PAVEMENT	8 (L21-2)
PA-13 CROSSWALK	8 (L21-2)
SF - SITE FEATURES	
SF-1 BENCH - STANDARD	6 (L21-3)
SF-2 SWINGING BENCH	10 (L21-5)
SF-3 PICNIC TABLE	9 (L21-3)
LITTER BIN	8 (L21-3)
SF-5 BIKE RACKS	10 (L21-3)
SF-6 PARK SIGN	8 (L21-3)
RIVER EGRESS LADDER	2 (L21-6)
SF-8 BBQ GRILL AND ASH BIN	1 (L21-3)
SF-9 RAILING - TYPE A	8 (L21-4)
SF-10 RAILING - TYPE B	7 (L21-5)
SF-11 EXISTING HANDRAIL - CLEANING AND PAINTING	7 (L21-5)
SF-12 USCG LIFE RING	9 (L21-5)
SW - SITE WALLS SEE STRUCTURAL PLANS FOR DETAILS	
SW-1 RETAINING WALL	9 (L21-5)
SW-2 SEAT WALL	
SW-3 FLOOD PROTECTION WALL	
SW-4 RAISED PLANTER WALL	
SW-5 OUTCROPPING STONE WALL	
SW-6 CURB WALL	



REV#	DATE	DESCRIPTION	BY

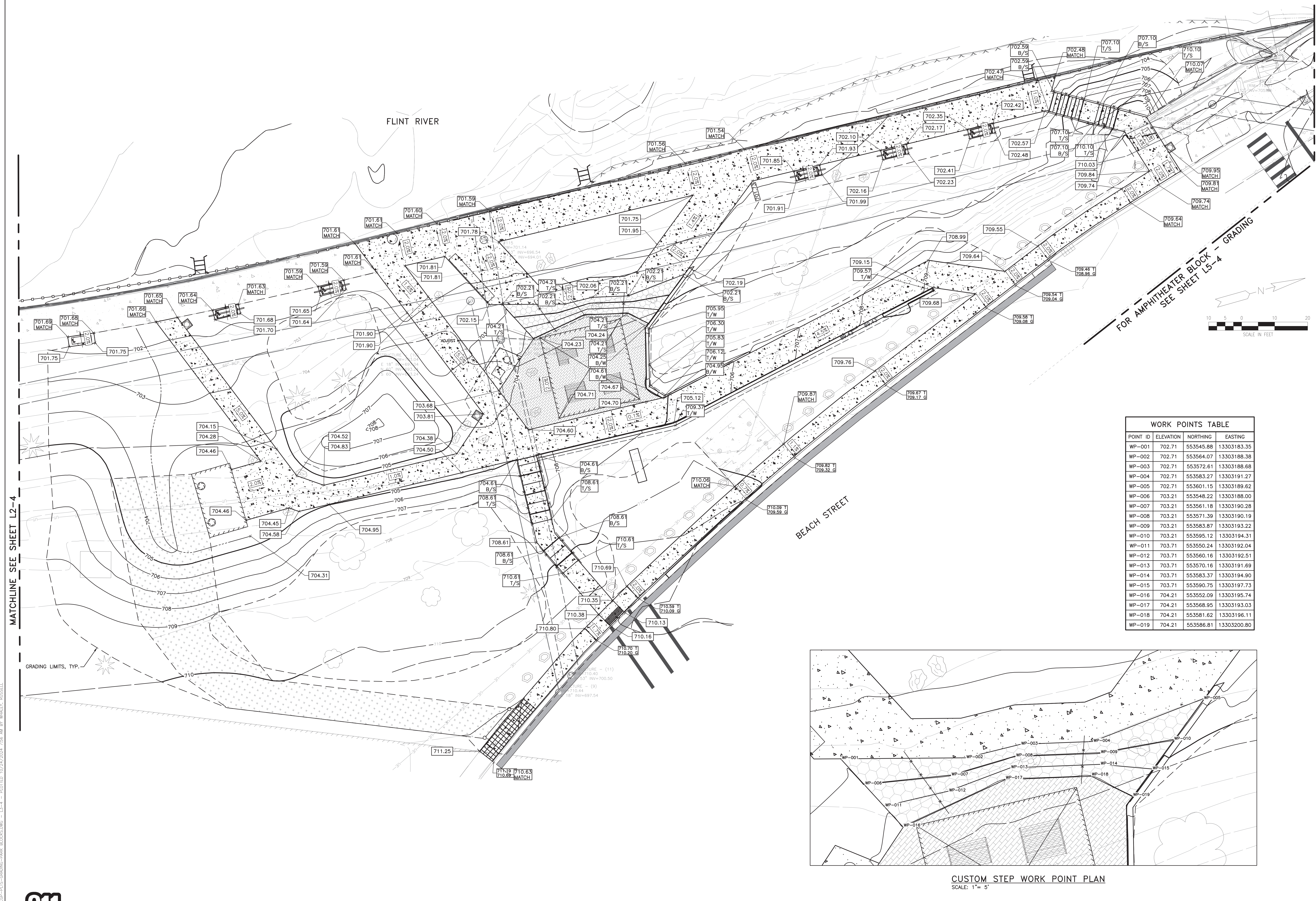


GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
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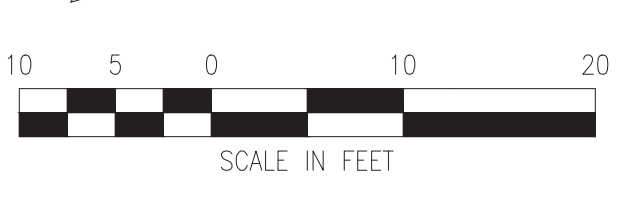
FLINT RIVERFRONT RESTORATION - PHASE 2
PLAYGROUND BLOCK - NORTH LAYOUT

ISSUED FOR: DATE: BY: JOB NO.
FB 10/23/24 SAL GPA200301F
SHEET
L3-3A

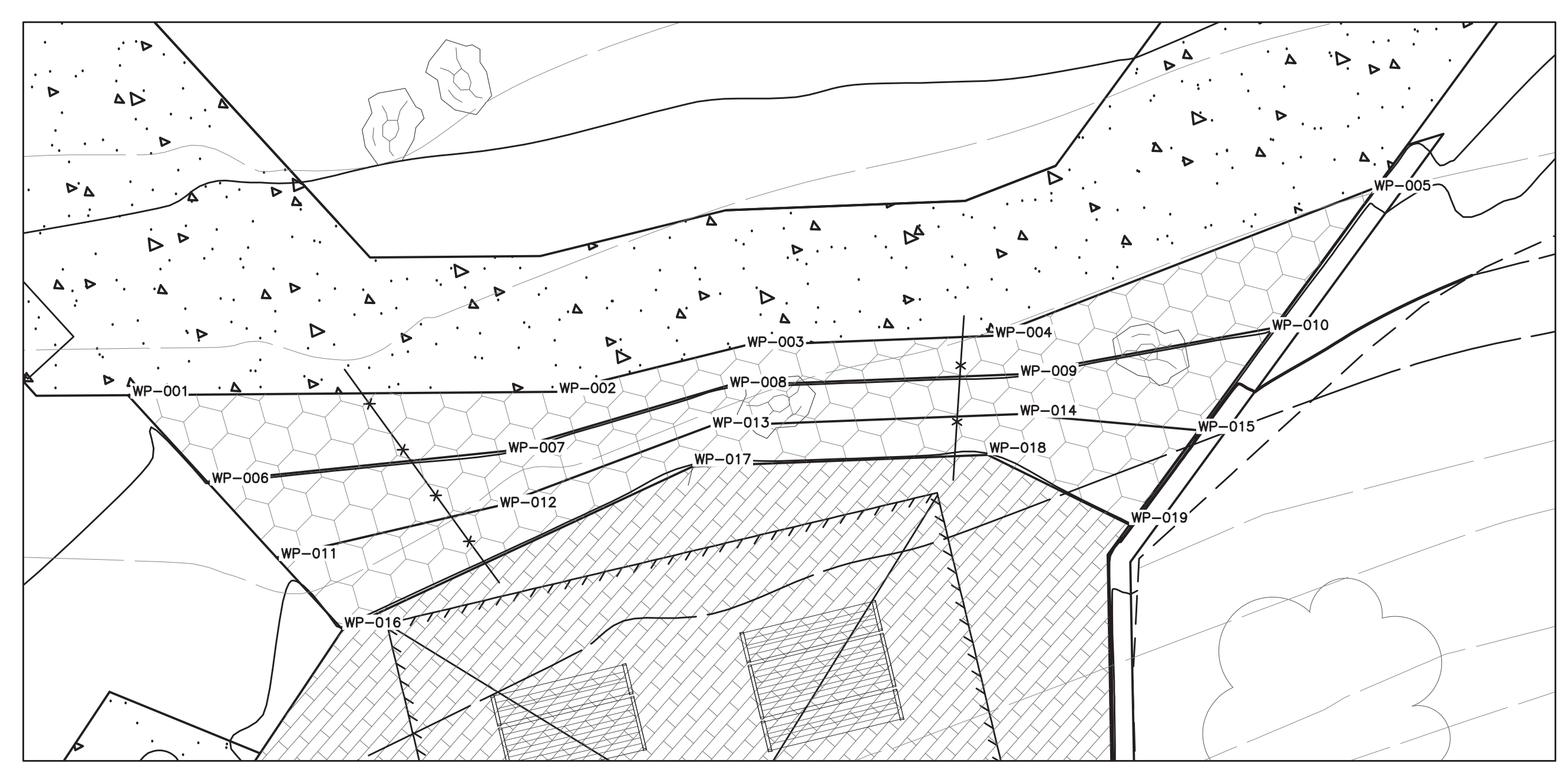
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FOR AMPHITHEATER BLOCK - GRADING
SEE SHEET L5-4



WORK POINTS TABLE			
POINT ID	ELEVATION	NORTHING	EASTING
WP-001	702.71	553545.88	13303183.35
WP-002	702.71	553564.07	13303188.38
WP-003	702.71	553572.61	13303188.68
WP-004	702.71	553583.27	13303191.27
WP-005	702.71	553601.15	13303189.62
WP-006	703.21	553548.22	13303188.00
WP-007	703.21	553561.18	13303190.28
WP-008	703.21	553571.39	13303190.19
WP-009	703.21	553583.87	13303193.22
WP-010	703.21	553595.12	13303194.31
WP-011	703.71	553550.24	13303192.04
WP-012	703.71	553560.16	13303192.51
WP-013	703.71	553570.16	13303191.69
WP-014	703.71	553583.37	13303194.90
WP-015	703.71	553590.75	13303197.73
WP-016	704.21	553552.09	13303195.74
WP-017	704.21	553568.95	13303193.03
WP-018	704.21	553581.62	13303196.11
WP-019	704.21	553586.81	13303200.80



CUSTOM STEP WORK POINT PLAN
SCALE: 1" = 5'

MATCHLINE SEE SHEET L2-4

PROJECT MANAGER: Russel Whaley, Russel Whaley & Associates, Inc.
 PROJECT ENGINEER: Russel Whaley, Russel Whaley & Associates, Inc.
 DATE: 10/24/2024 10:56 AM BY: WHALEY, RUSSELL
 SHEET: L3-4 - FLOTTED



REV#	DATE	DESCRIPTION	BY

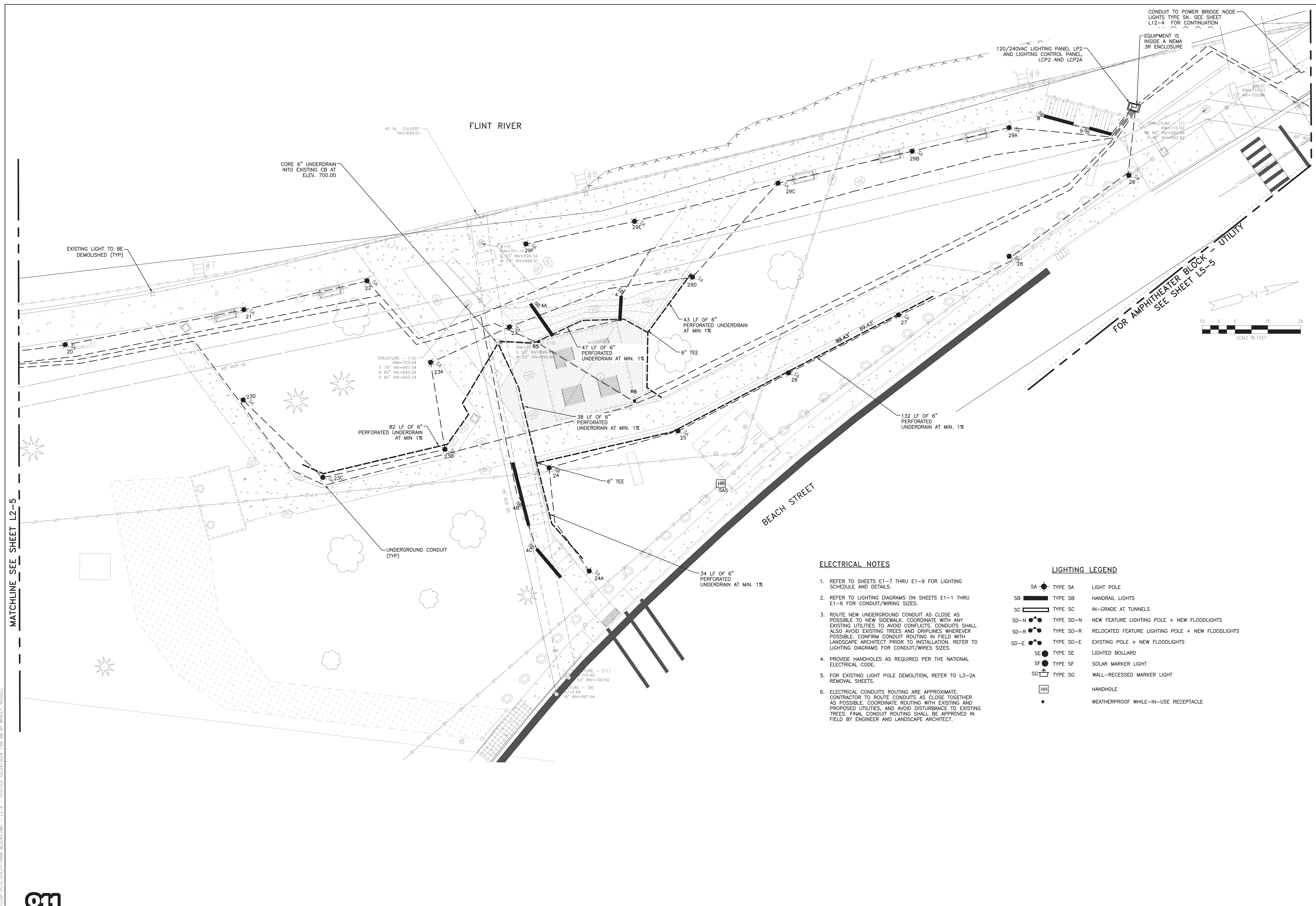


GENESEE COUNTY PARKS & REC
 5045 E. STANLEY ROAD
 FLINT, MI 48506

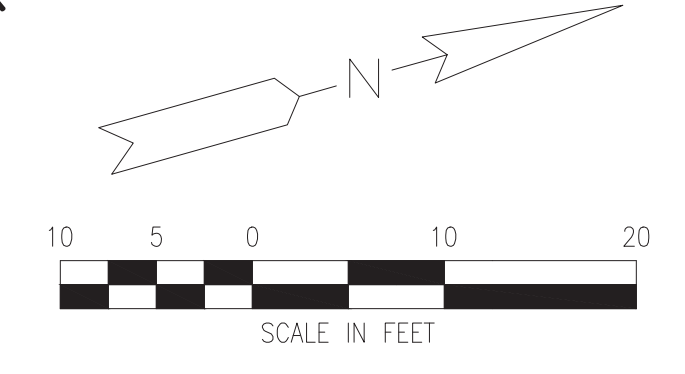
FLINT RIVERFRONT RESTORATION - PHASE 2
 PLAYGROUND BLOCK - NORTH GRADING

ISSUED FOR: FB	DATE: 10/23/24	BY: SAL	JOB NO. GPA200301F
			SHEET L3-4

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MATCHLINE SEE SHEET L2-5



ELECTRICAL NOTES

- REFER TO SHEETS E1-7 THRU E1-9 FOR LIGHTING SCHEDULE AND DETAILS.
- REFER TO LIGHTING DIAGRAMS ON SHEETS E1-1 THRU E1-6 FOR CONDUIT/WIRING SIZES.
- ROUTE NEW UNDERGROUND CONDUIT AS CLOSE AS POSSIBLE TO NEW SIDEWALK. COORDINATE WITH ANY EXISTING UTILITIES TO AVOID CONFLICTS. CONDUITS SHALL ALSO AVOID EXISTING TREES AND DRIP LINES WHEREVER POSSIBLE. CONFIRM CONDUIT ROUTING IN FIELD WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. REFER TO LIGHTING DIAGRAMS FOR CONDUIT/WIRES SIZES.
- PROVIDE HANDHOLES AS REQUIRED PER THE NATIONAL ELECTRICAL CODE.
- FOR EXISTING LIGHT POLE DEMOLITION, REFER TO L3-2A REMOVAL SHEETS.
- ELECTRICAL CONDUITS ROUTING ARE APPROXIMATE. CONTRACTOR TO ROUTE CONDUITS AS CLOSE TOGETHER AS POSSIBLE. COORDINATE ROUTING WITH EXISTING AND PROPOSED UTILITIES, AND AVOID DISTURBANCE TO EXISTING TREES. FINAL CONDUIT ROUTING SHALL BE APPROVED IN FIELD BY ENGINEER AND LANDSCAPE ARCHITECT.

LIGHTING LEGEND

- SA ● TYPE SA LIGHT POLE
- SB — TYPE SB HANDRAIL LIGHTS
- SC — TYPE SC IN-GRADE AT TUNNELS
- SD-N ● TYPE SD-N NEW FEATURE LIGHTING POLE + NEW FLOODLIGHTS
- SD-R ● TYPE SD-R RELOCATED FEATURE LIGHTING POLE + NEW FLOODLIGHTS
- SD-E ● TYPE SD-E EXISTING POLE + NEW FLOODLIGHTS
- SE ● TYPE SE LIGHTED BOLLARD
- SF ● TYPE SF SOLAR MARKER LIGHT
- SG □ TYPE SG WALL-RECESSED MARKER LIGHT
- HH □ HANDHOLE
- WEATHERPROOF WHILE-IN-USE RECEPTACLE

PROJECT MANAGER: JAMES WHEALEY, NEWSPAPER PHOTOGRAPHER; CIVIL ENGINEER: JAMES WHEALEY, CIVIL ENGINEER; DATE: 10/23/24 7:56 AM BY: WHEALEY, RUSSELL



REV#	DATE	DESCRIPTION	BY

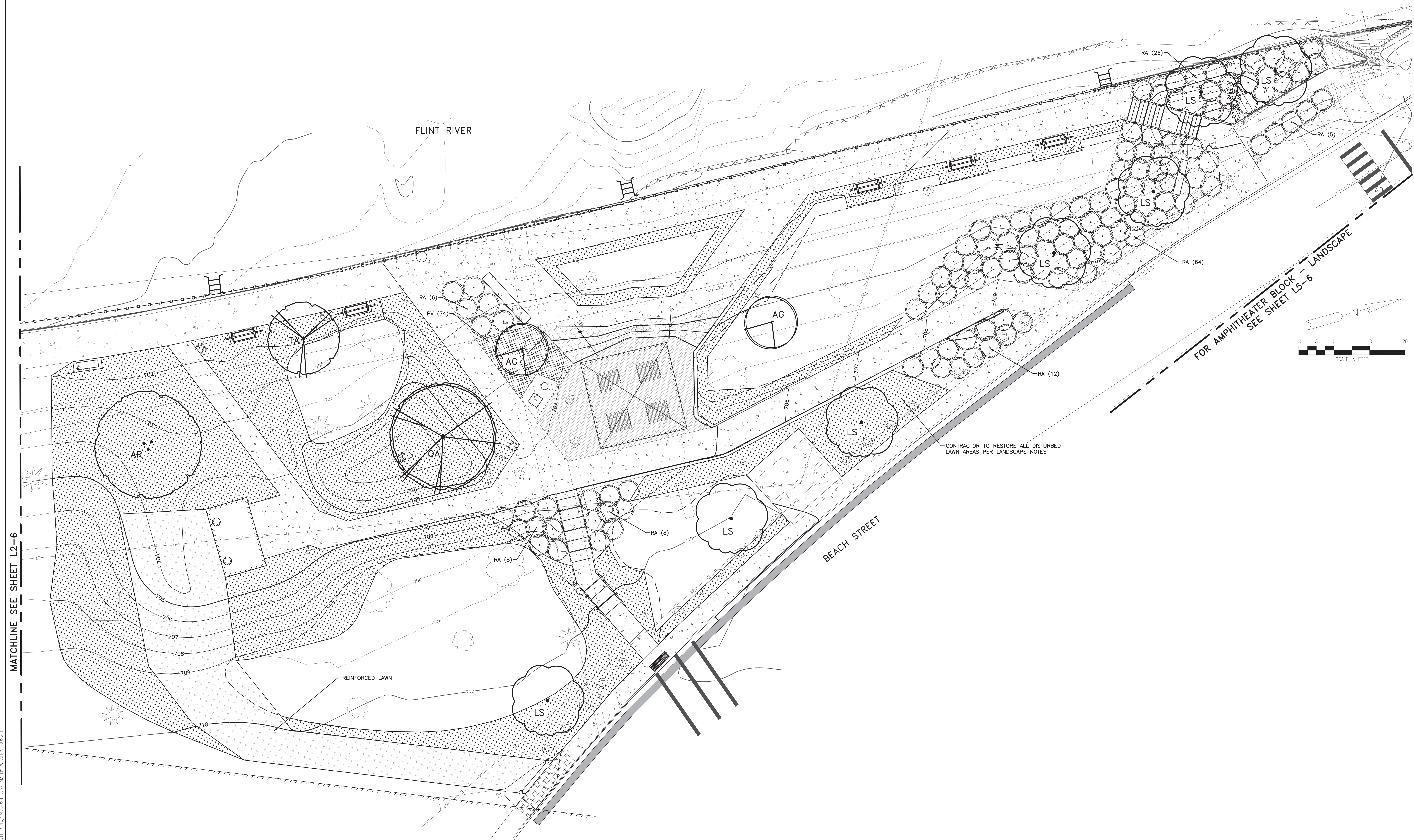


GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

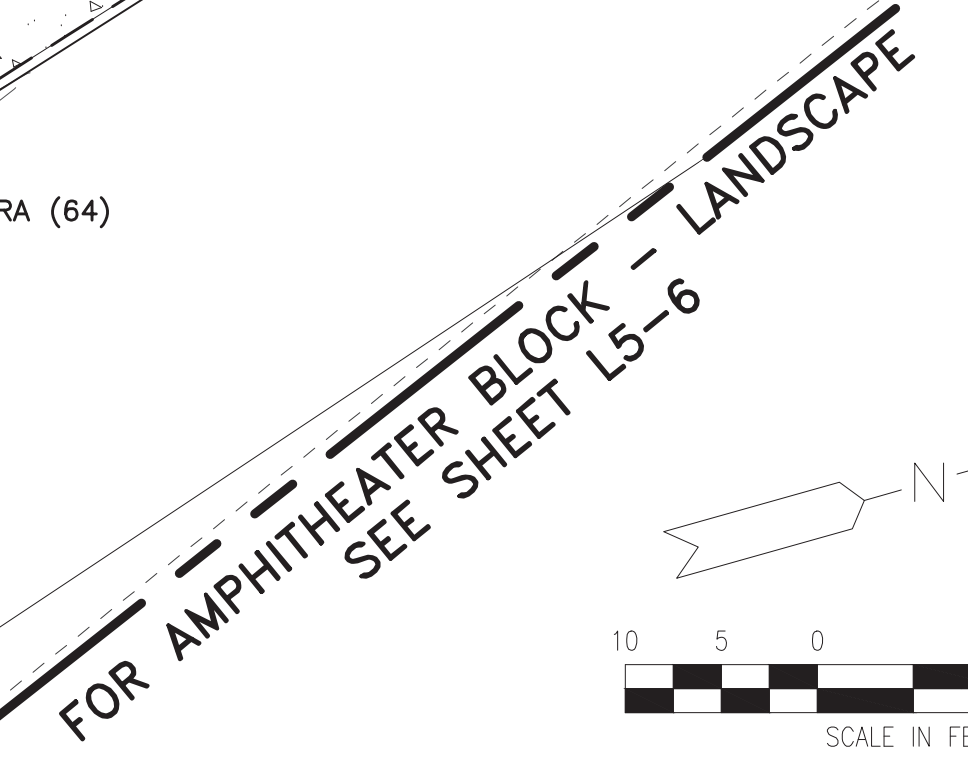
FLINT RIVERFRONT RESTORATION - PHASE 2
PLAYGROUND BLOCK - NORTH UTILITY

ISSUED FOR: (FB)	DATE: 10/23/24	BY: SAL	JOB NO: GPA200301F
SHEET			L3-5

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MATCHLINE SEE SHEET L2-6



FOR AMPHITHEATER BLOCK - LANDSCAPE
SEE SHEET L5-6

CONTRACTOR TO RESTORE ALL DISTURBED
LAWN AREAS PER LANDSCAPE NOTES

PROJECT MANAGER: JAMES WHEALEY, RUSSELL
CITY OF FLINT, 10101 E. STANLEY ROAD, SUITE 201, FLINT, MI 48506
DATE: 10/24/2024 7:57 AM BY: WHEALEY, RUSSELL



REV#	DATE	DESCRIPTION	BY



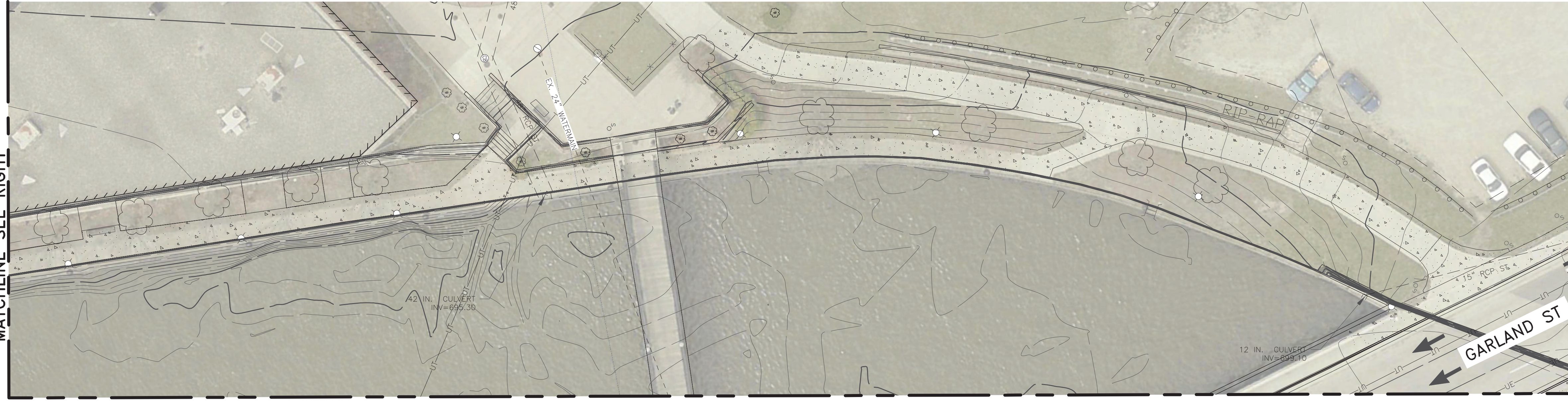
GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
PLAYGROUND BLOCK - NORTH LANDSCAPE

ISSUED FOR: FB	DATE: 10/23/24	BY: SAL	JOB NO: GPA200301F
SHEET			L3-6

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MATCHLINE SEE RIGHT



FOR GRAND FOUNTAIN BLOCK - EXISTING
SEE SHEET L6-1

MATCHLINE SEE LEFT



FOR PLAYGROUND BLOCK
SEE SHEETS L1-1, L2-1, AND L3-1



SCALE IN FEET

PROJECT MANAGER: JAMES WHEALEY, RUSSELL
CADD: JAMES WHEALEY, RUSSELL
FILED: PARK INFORMATION
DATE: 10/24/2024 1:58 AM BY: WHEALEY, RUSSELL



REV#	DATE	DESCRIPTION	BY



GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
GRAND TRAVERSE ST RIFFLE ACCESS - EXISTING

ISSUED FOR: DATE: BY:
IFB: 10/23/24 SAL

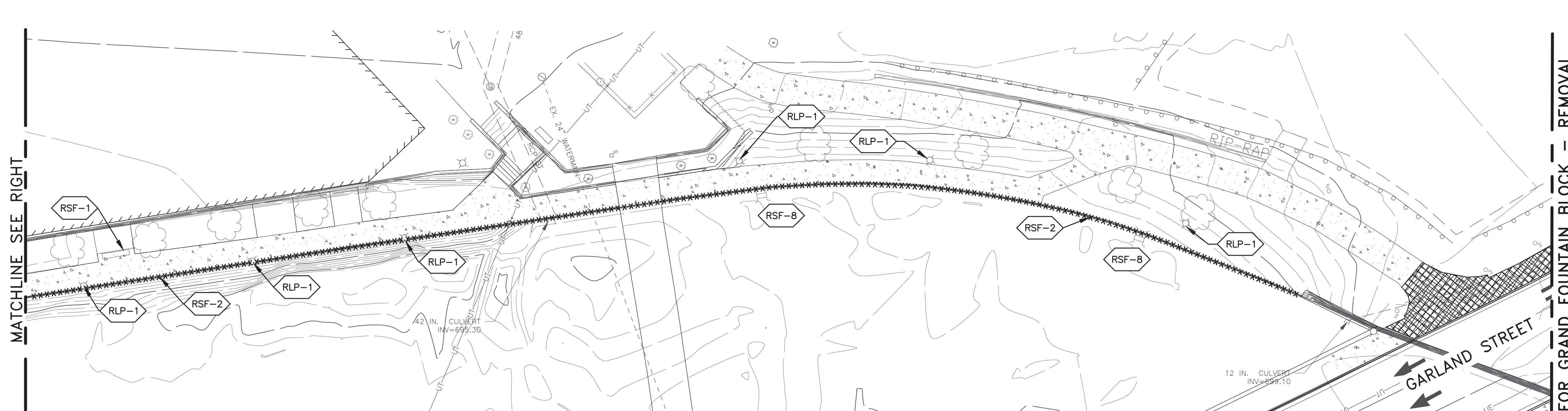
JOB NO. GPA200301F
SHEET L4-1

FLINT RIVER RESTORATION

MATCHLINE SEE RIGHT

FOR GRAND FOUNTAIN BLOCK - REMOVAL
SEE SHEET L6-2A

MATCHLINE SEE LEFT



KEY NOTES - REMOVAL

RCG - CURB AND GUTTER

RCG-1 REMOVE STANDARD CURB AND GUTTER

RLS - LANDSCAPE

X REMOVE TREE

RLS-2 REMOVE UNDERSTORY VEGETATION/LANDSCAPE BED PLANTINGS

RLS-3 REMOVE AND STOCKPILE TOPSOIL

RLP - LIGHTING AND POWER

RLP-1 REMOVE LIGHT POLE

RPA - PAVING

RPA-1 REMOVE CONCRETE

RPA-2 REMOVE STAIRS

RPA-3 REMOVE PAVER

RPA-4 SAWCUT PAVING

RPA-5 REMOVE ASPHALT

PRO - PROTECTION

PRO-1 PLACE TREE PROTECTION FENCE

PRO-2 PROTECT EXISTING FEATURE

RSF - SITE FEATURES

RSF-1 REMOVE BENCH OR TABLE

RSF-2 REMOVE RAILING

RSF-3 REMOVE BOLLARD

RSF-4 REMOVE SIGN

RSF-5 REMOVE POST AND ROPE/CHAIN RAILING

RSF-6 REMOVE GUARDRAIL

RSF-7 REMOVE CHAIN LINK FENCE

RSF-8 REMOVE RIVER EGRESS LADDER

RSW - SITE WALLS

SEE STRUCTURAL PLANS FOR DETAILS

RSW-1 REMOVE RETAINING WALL

RSW-2 REMOVE SEAT OR SITE WALL

RSW-3 CUT AND REMOVE FLOOD PROTECTION WALL

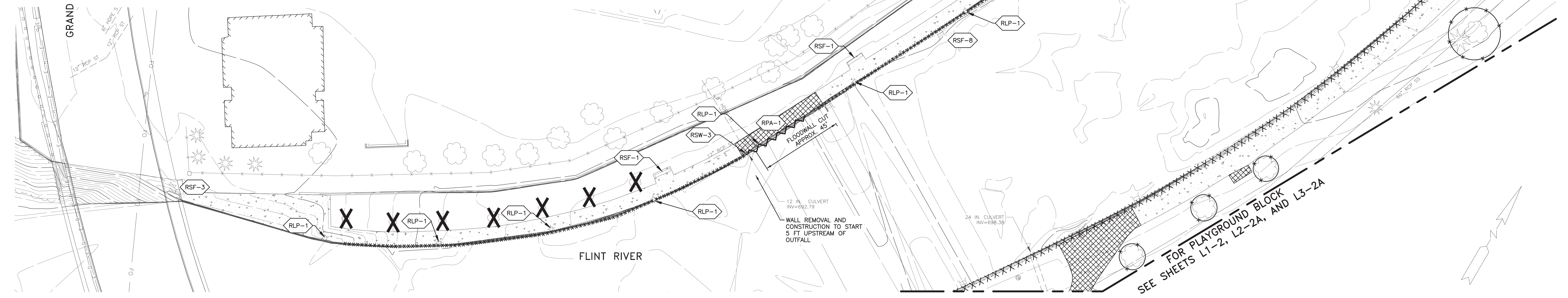
RSW-4 REMOVE PLANTER WALL

RSW-5 REMOVE CONCRETE WALL ABOVE GRADE - SEE DETAIL B ON L22-4

GRAND TRAVERSE ST

GARLAND STREET

FLINT RIVER



REV#	DATE	DESCRIPTION	BY



GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
GRAND TRAVERSE ST RIFFLE ACCESS - REMOVAL

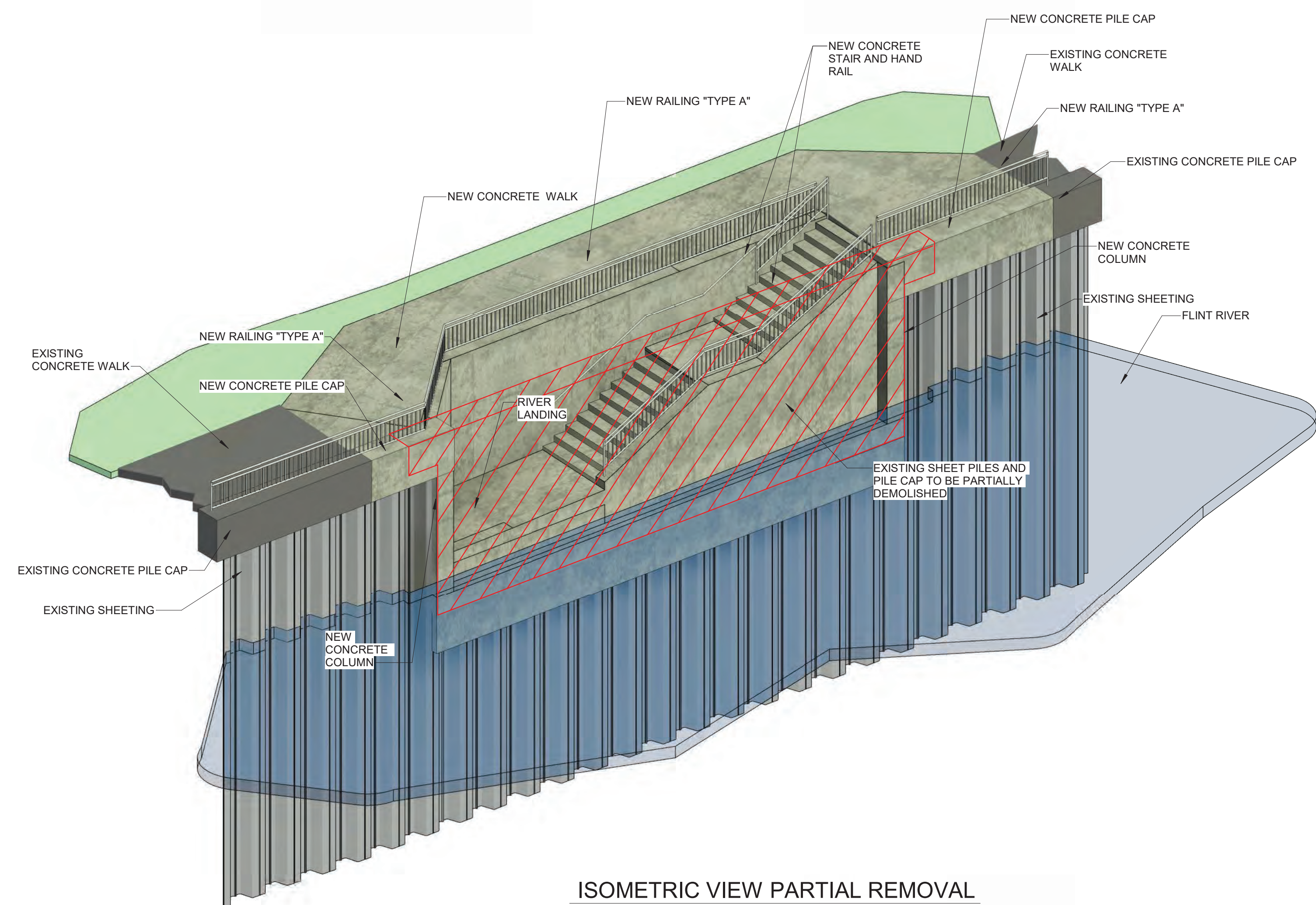
ISSUED FOR: FBI	DATE: 10/23/24	BY: SAL	JOB NO: GPA200301F
SHEET			L4-2A

FLINT RIVER RESTORATION

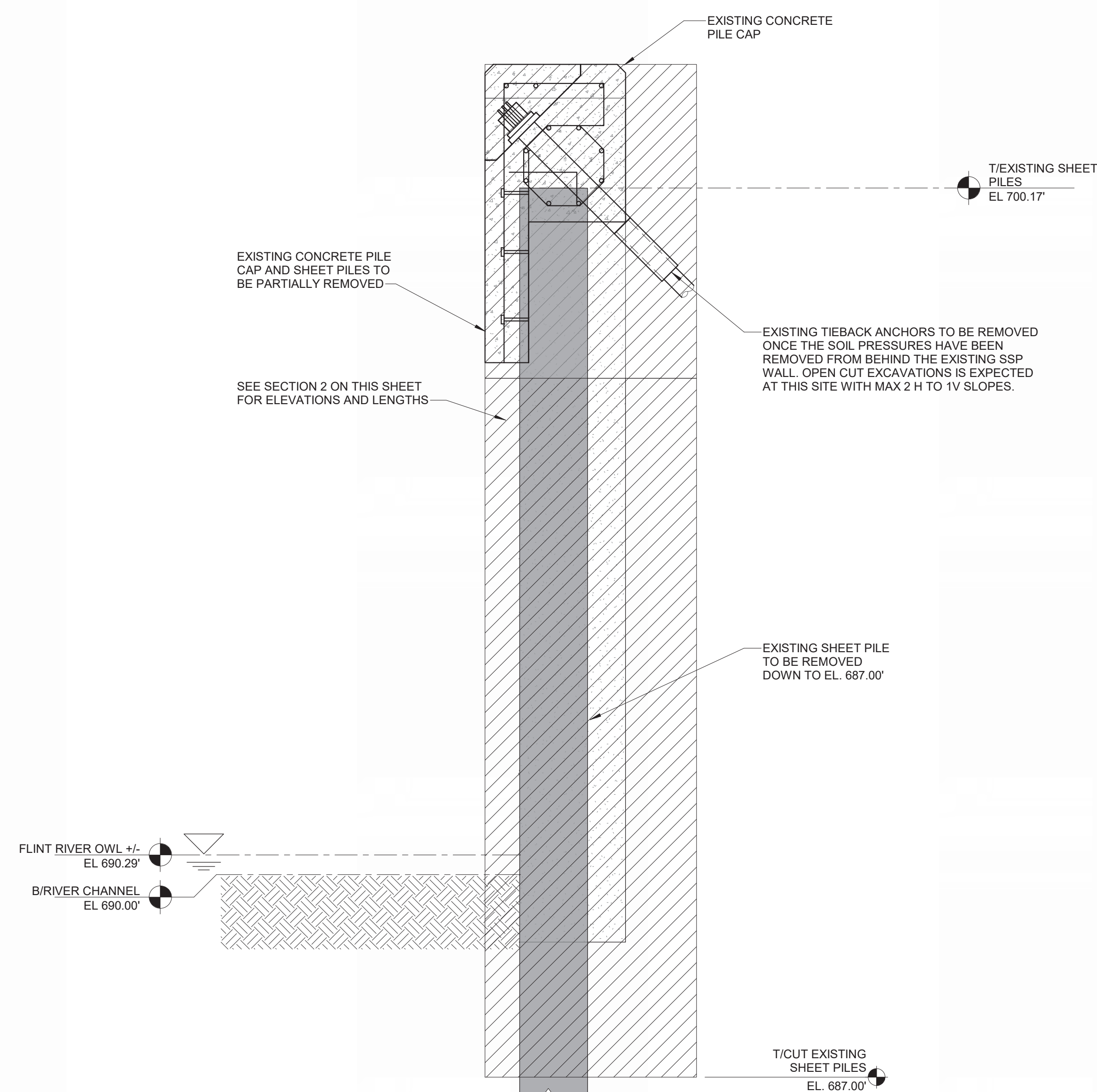
- NOTES:**
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELEVATIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.
 - ALL DIMENSIONS OR ELEVATIONS MARKED WITH AN ASTERISK *** SHALL BE DETERMINED OR VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
 - WHEN REMOVING EXISTING CONCRETE BY CUTTING OR CHIPPING, THE CONTRACTOR SHALL ONLY REMOVE REINFORCING BARS WHICH CANNOT BE BENT INTO AREAS WHERE NEW CONCRETE WOULD COMPLETELY COVER THEM.

LEGEND:

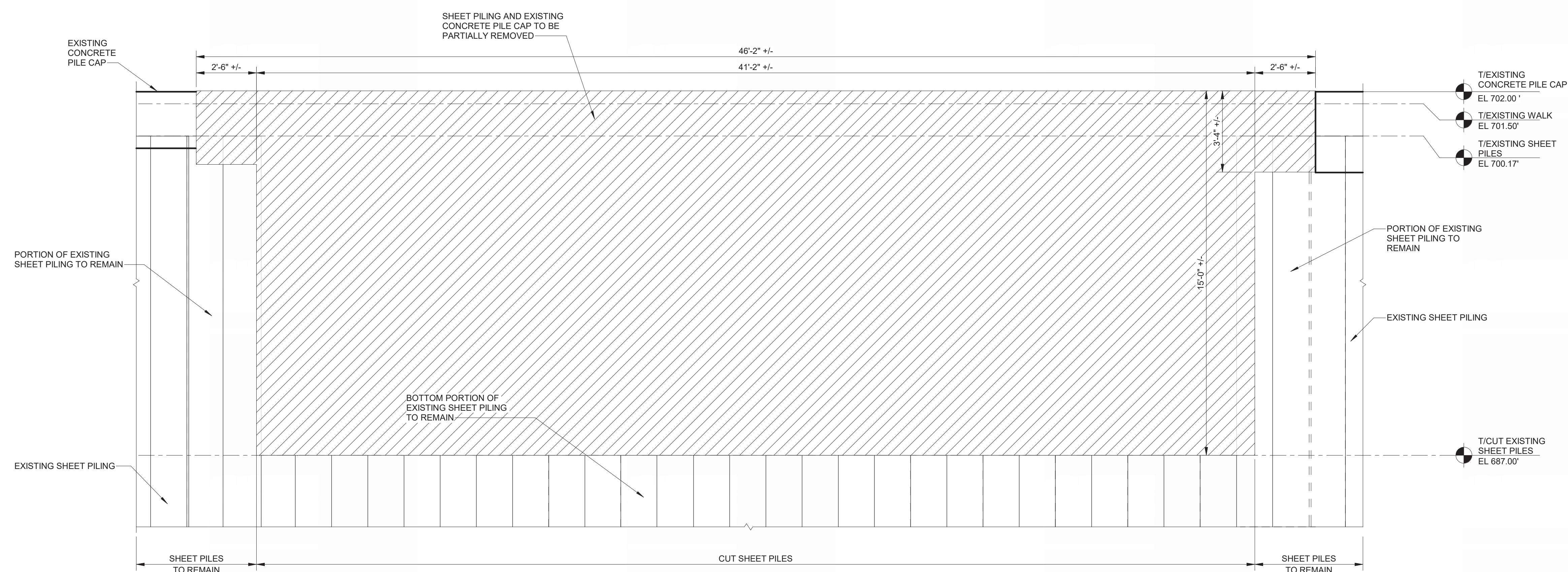
 INDICATES REMOVAL



ISOMETRIC VIEW PARTIAL REMOVAL
SCALE: NONE



1 PARTIAL RIVERFRONT WALL REMOVAL SECTION
SCALE: 3/4" = 1'-0"



2 STRUCTURAL FRONT VIEW PARTIAL REMOVAL
SCALE: 3/8" = 1'-0"

PROJECT MANAGER: 10/17/2024 8:54:18 AM

10/17/2024 8:54:18 AM

REV#	DATE	DESCRIPTION	BY



555 S. Saginaw Street, Suite 201
Flint, MI 48502
810.226.2200
www.wadetrिम.com

GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
GRAND TRAVERSE ST RIFFLE ACCESS
REMOVAL - STRUCTURAL SECTIONS AND
ISOMETRIC VIEW

ISSUED FOR: DATE: BY: 10/23/24 62

JOB NO: GFA200301F

SHEET

L4-2B

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MATCHLINE SEE RIGHT



FOR GRAND FOUNTAIN BLOCK SEE SHEET L6-3A

MATCHLINE SEE LEFT

KEY NOTES - PROPOSED

CG - CURB AND GUTTER

- CG-1 STANDARD CURB AND GUTTER
- CG-2 CURB RAMP

LS - LANDSCAPE

- LS-1 PLANTER BED
- LS-2 BIORETENTION BED
- LANDSCAPE BOULDER
- BARRIER BOULDER
- LS-5 TREE GRATE
- LS-6 RIVER ACCESS STONE

PA - PAVING

- PA-1 CONCRETE WALK - STANDARD
- PA-2 CONCRETE WALK 8" - REINFORCED
- PA-3 CONCRETE WALK - EXPOSED AGGREGATE
- PA-4 CONCRETE - INTEGRAL COLOR
- PA-5 ASPHALT ROADWAY

- PA-6 ASPHALT TRAIL
- PA-7 PERMEABLE PAVER
- PA-8 STANDARD PAVER
- PA-9 STAIRS - STANDARD
- PA-10 STAIRS - CUSTOM
- PA-11 STAIRS - PERRONS
- PA-12 MEET EXISTING PAVEMENT
- PA-13 CROSSWALK

SF - SITE FEATURES

- SF-1 BENCH - STANDARD
- SF-2 SWINGING BENCH
- SF-3 PICNIC TABLE
- LITTER BIN
- SF-5 BIKE RACKS
- SF-6 PARK SIGN
- RIVER EGRESS LADDER
- SF-8 BBQ GRILL AND ASH BIN
- SF-9 RAILING - TYPE A

- SF-10 RAILING - TYPE B
- SF-11 EXISTING HANDRAIL - CLEANING AND PAINTING
- SF-12 USCG LIFE RING

SW - SITE WALLS

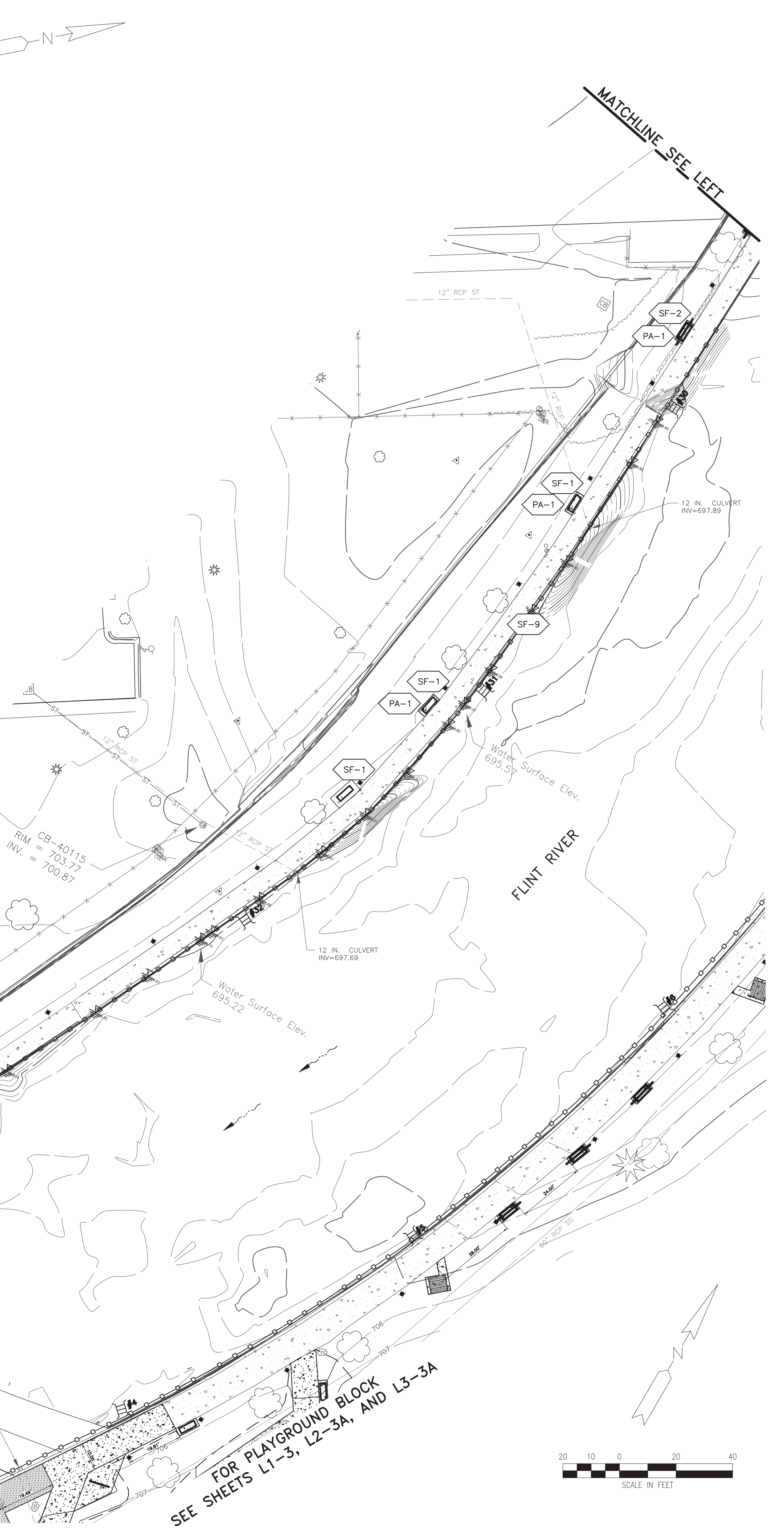
- SW-1 RETAINING WALL
- SW-2 SEAT WALL
- SW-3 FLOOD PROTECTION WALL
- SW-4 RAISED PLANTER WALL
- SW-5 OUTCROPPING STONE WALL
- SW-6 CURB WALL

60" SANITARY SEWER NOTES:

1. APPROXIMATE LOCATION OF EXISTING 60" SANITARY SEWER. CONTRACTOR SHALL PROTECT EXISTING SEWER AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR TO NOT COME WITH 6 LINEAR FEET ALONG SIDES OF SEWER WITH ANY EXCAVATION OR NEW CONSTRUCTION. OTHER ITEMS NOT TO BE PLACED ABOVE SEWER INCLUDE NEW FOOTINGS, TREES, AND LIGHT POLES. NEW SIDEWALK CAN BE PLACED ABOVE SEWER. CONTRACTOR MUST MAINTAIN 3 FEET OF COVER ABOVE SEWER.

HANDRAIL A NOTES:

HANDRAIL A IS INCLUDED IN THE BASE BID UNLESS NOTED OTHERWISE



PROJECT MANAGER: MEGAN WOLTRAMP, CIVIL ENGINEER, LICENSE NO. 0081530, C.S.P.-P.L.S.-LAYOUT-PARK BLOSSOMING L4-3A, PLOTTED: 11/13/2024, 4:52 PM BY WOLTRAMP, MEGAN
 811
 Know what's below. Call before you dig.



REV#	DATE	DESCRIPTION	BY



GENESSEE COUNTY PARKS & REC
 5045 E. STANLEY ROAD
 FLINT, MI 48506

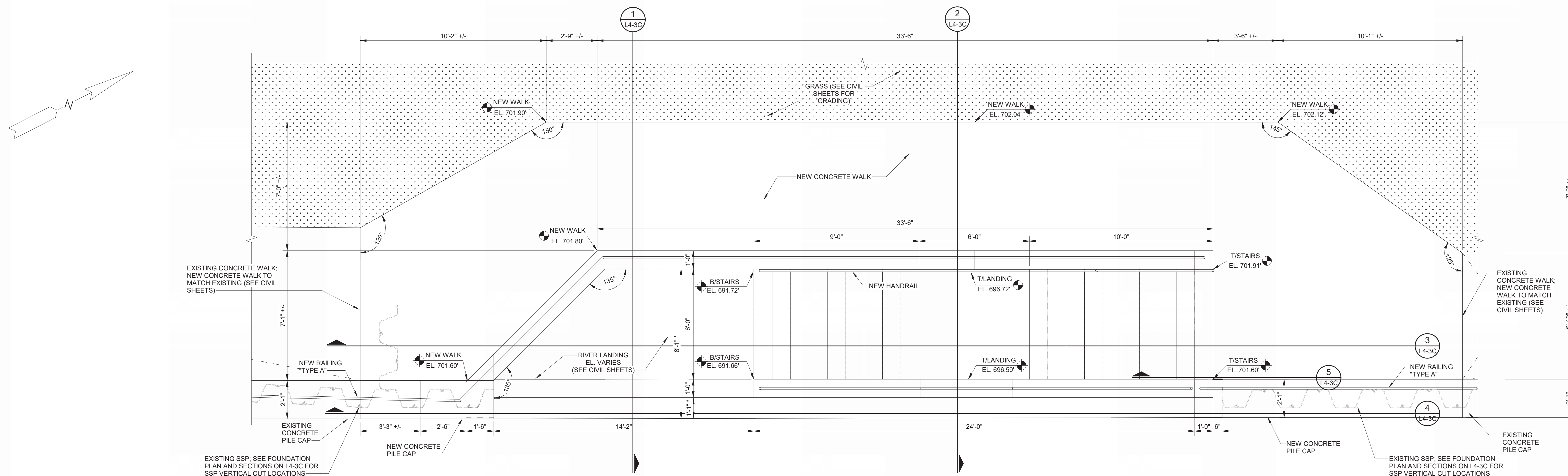
FLINT RIVERFRONT RESTORATION - PHASE 2
 GRAND TRAVERSE ST RIFFLE ACCESS - LAYOUT

ISSUED FOR: (FB)	DATE: 10/23/24	BY: SAL	JOB NO: GPA200301F
SHEET			L4-3A

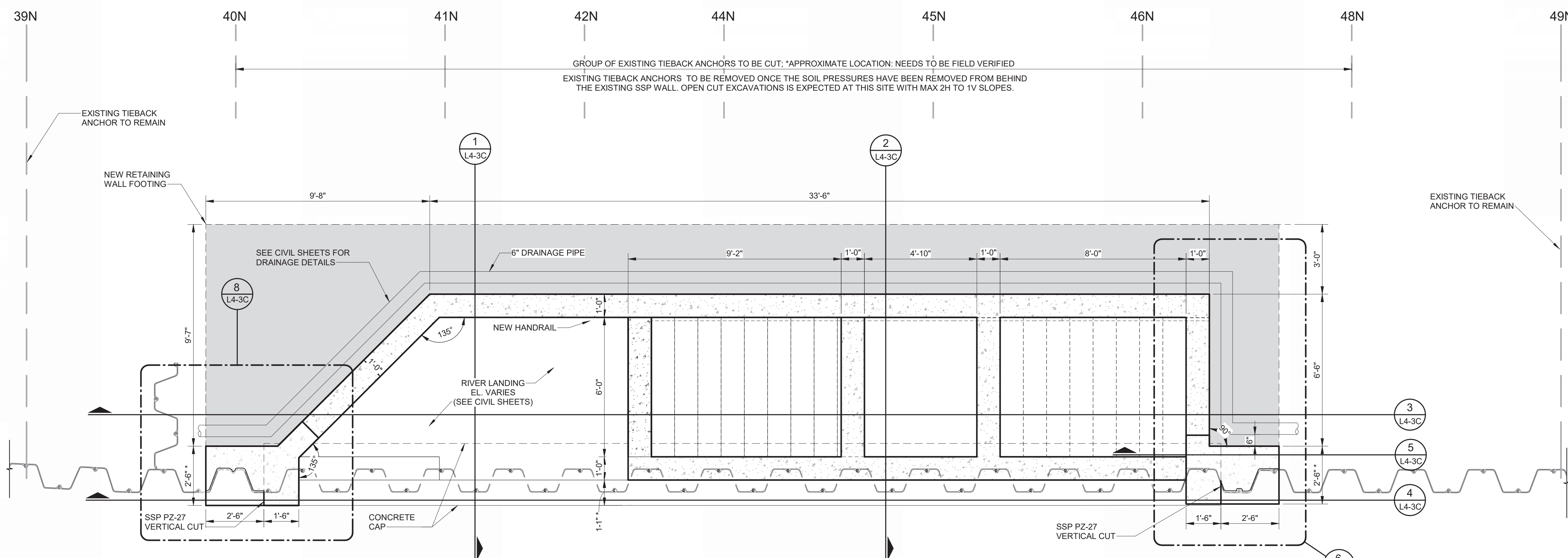
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NOTES:

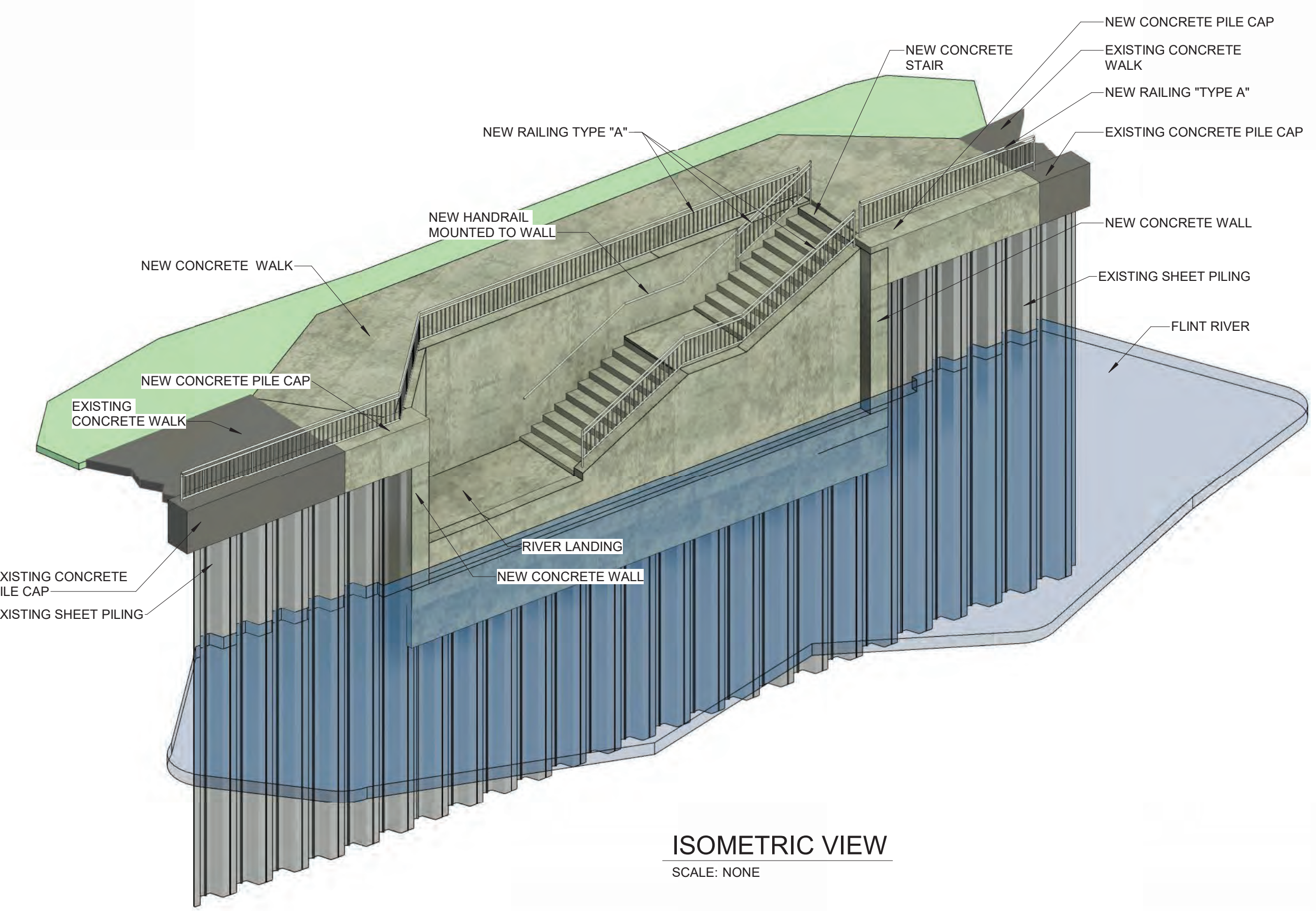
1. BELOW NOTES AND LEGEND APPLY TO SHEETS L4-3B AND L4-3C.
1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELEVATIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.
2. RETAINING WALL STRUCTURES ARE DESIGNED FOR A MAXIMUM BEARING PRESSURE OF 3000 PSF.
3. PROVIDE NEW RAILING AS INDICATED. SEE CIVIL SHEETS FOR LOCATIONS AND DETAILS.
4. SPOT ELEVATIONS SHOWN ARE FOR REFERENCE ONLY. REFER TO CIVIL SHEET (L4-4) FOR FINAL DETAILED GRADING.
5. PROVIDE 1/2" CHAMFERED EDGE FOR ALL EXPOSED CONCRETE EDGES.
6. ALL DIMENSIONS OR ELEVATIONS MARKED WITH AN ASTERISK "*" SHALL BE DETERMINED OR VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
7. LANDINGS SHALL HAVE MINIMUM 1% SLOPE FOR DRAINAGE. SEE CIVIL SHEET (L4-4) FOR DETAILS.
8. IN CASE OF GRADE DISCREPANCIES BETWEEN CIVIL AND STRUCTURAL SHEETS, FOLLOW CIVIL GRADING PLAN.



GRADE PLAN (EL. 701.50)
SCALE: 3/8" = 1'-0"



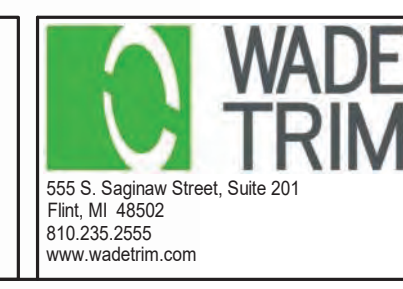
FOUNDATION PLAN (EL. 691.75)
SCALE: 3/8" = 1'-0"



ISOMETRIC VIEW
SCALE: NONE

PROJECT MANAGER: 10/17/2024 8:54:23 AM
G:\071488\GPA-(L-4) Grand Traverse Riffle Access -R21.rvt

REV#	DATE	DESCRIPTION	BY



GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

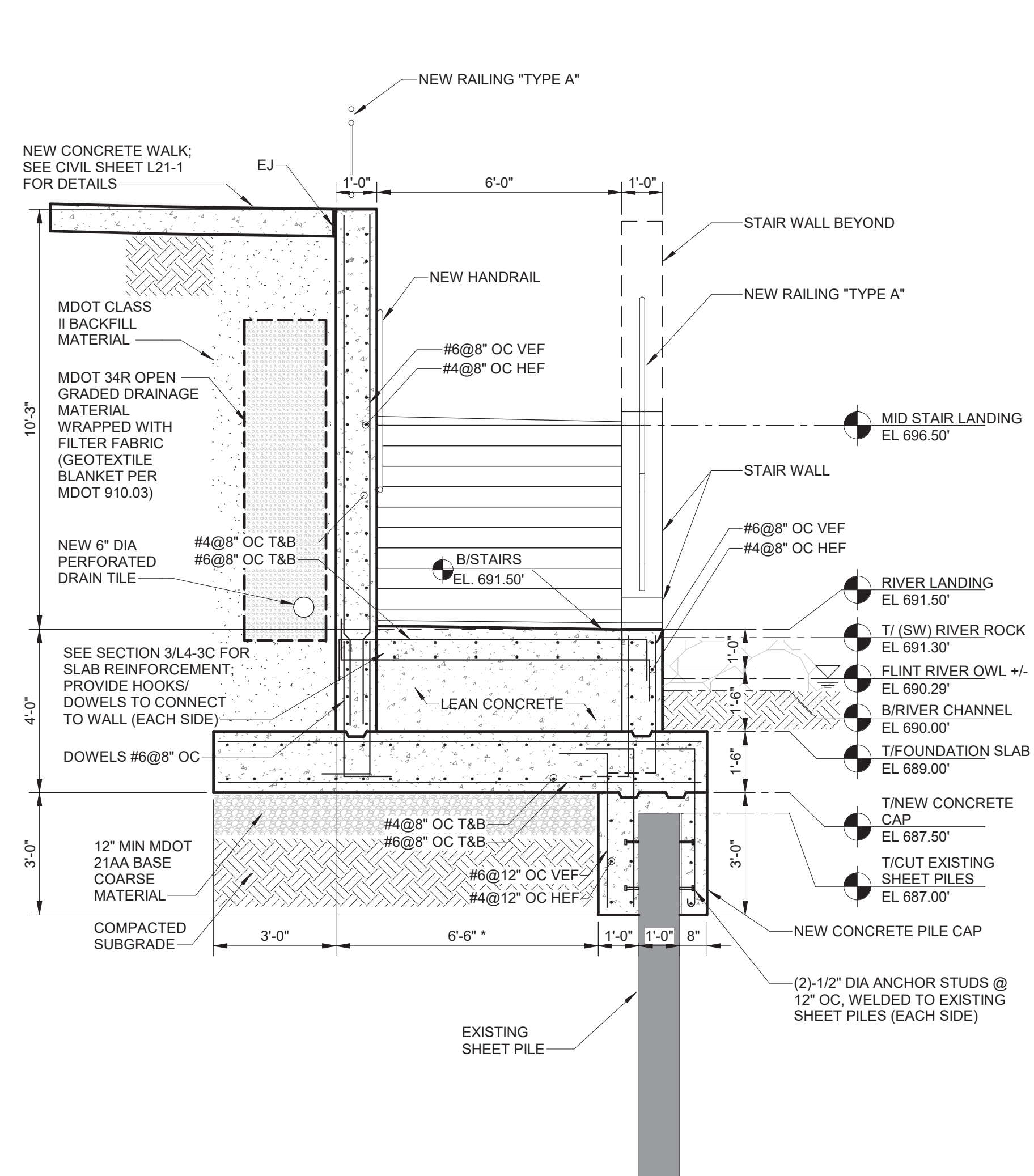
FLINT RIVERFRONT RESTORATION—PHASE 2
GRAND TRAVERSE ST RIFFLE ACCESS
STRUCTURAL PLANS AND ISOMETRIC VIEW

ISSUED FOR: DATE: BY: 10/23/24

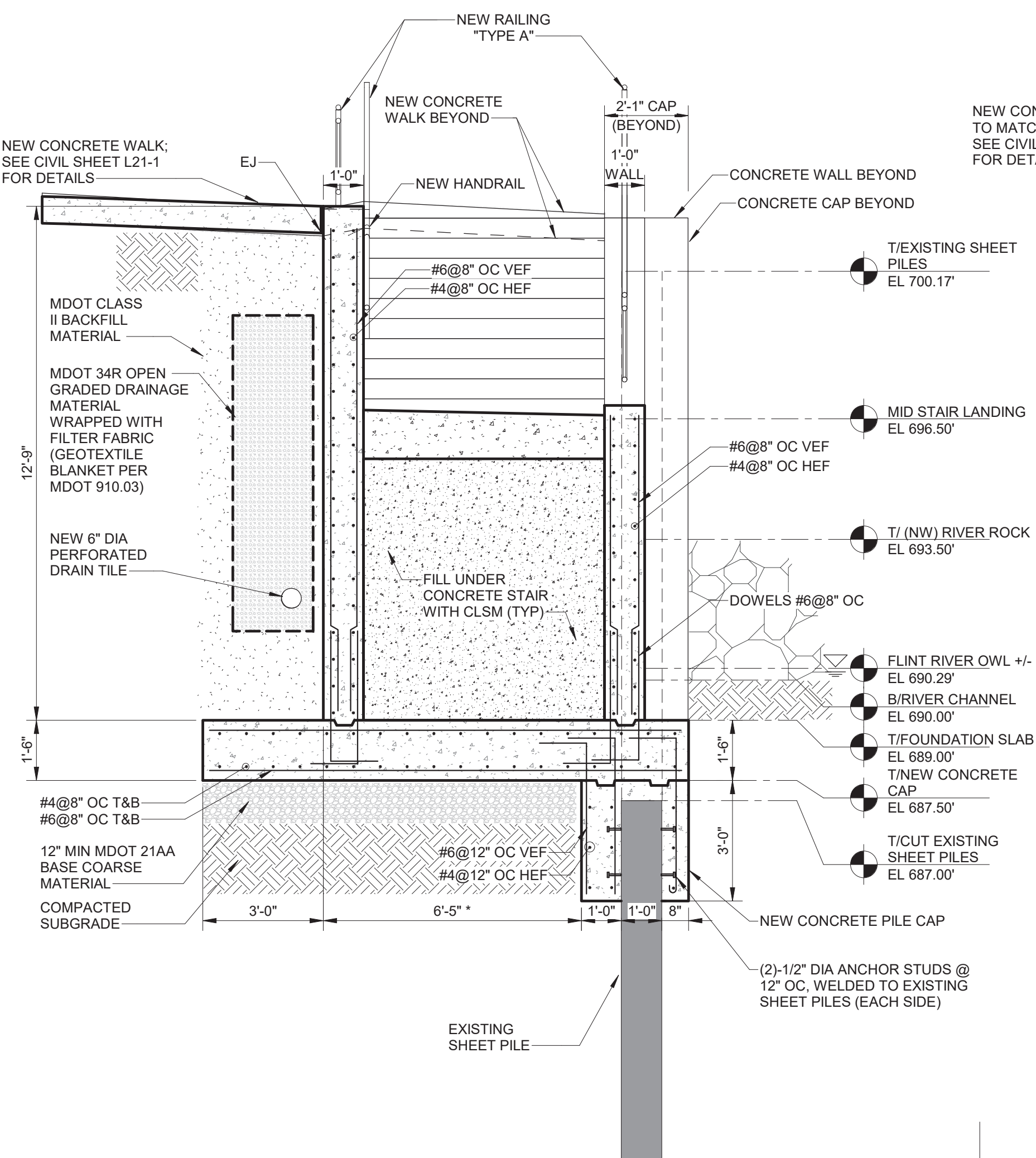
JOB NO: GPA200301F
SHEET

L4-3B

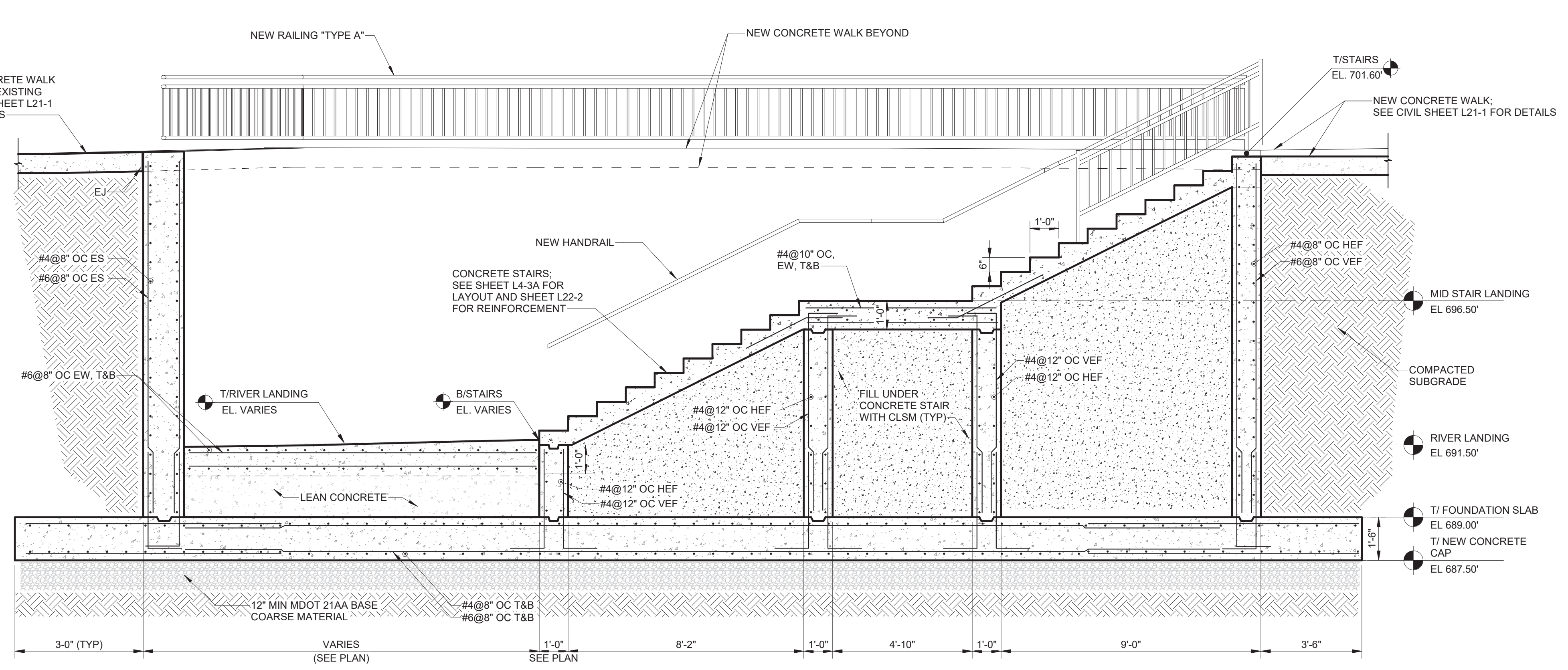
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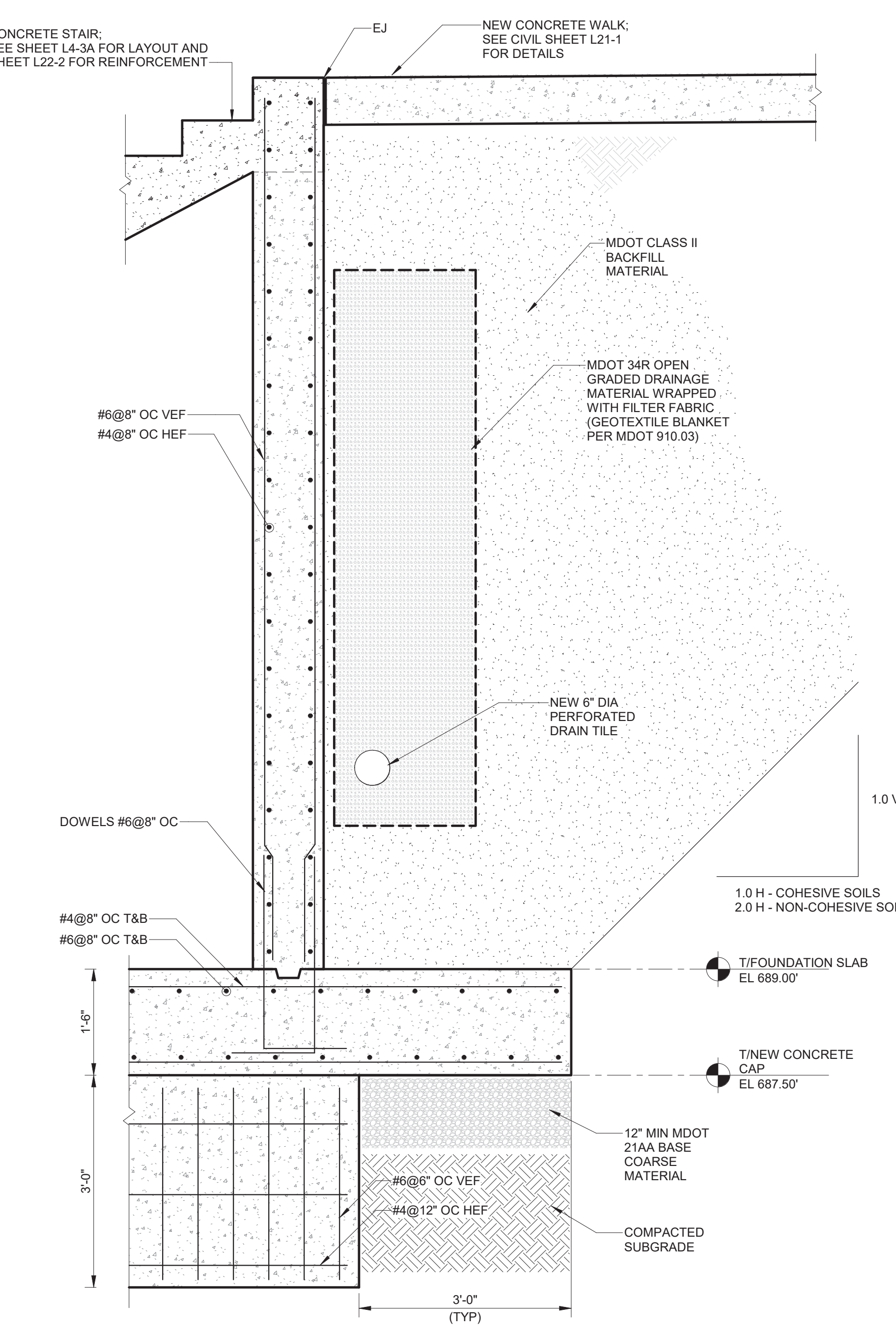
1 SECTION - 1
L4-3B SCALE: 3/8" = 1'-0"



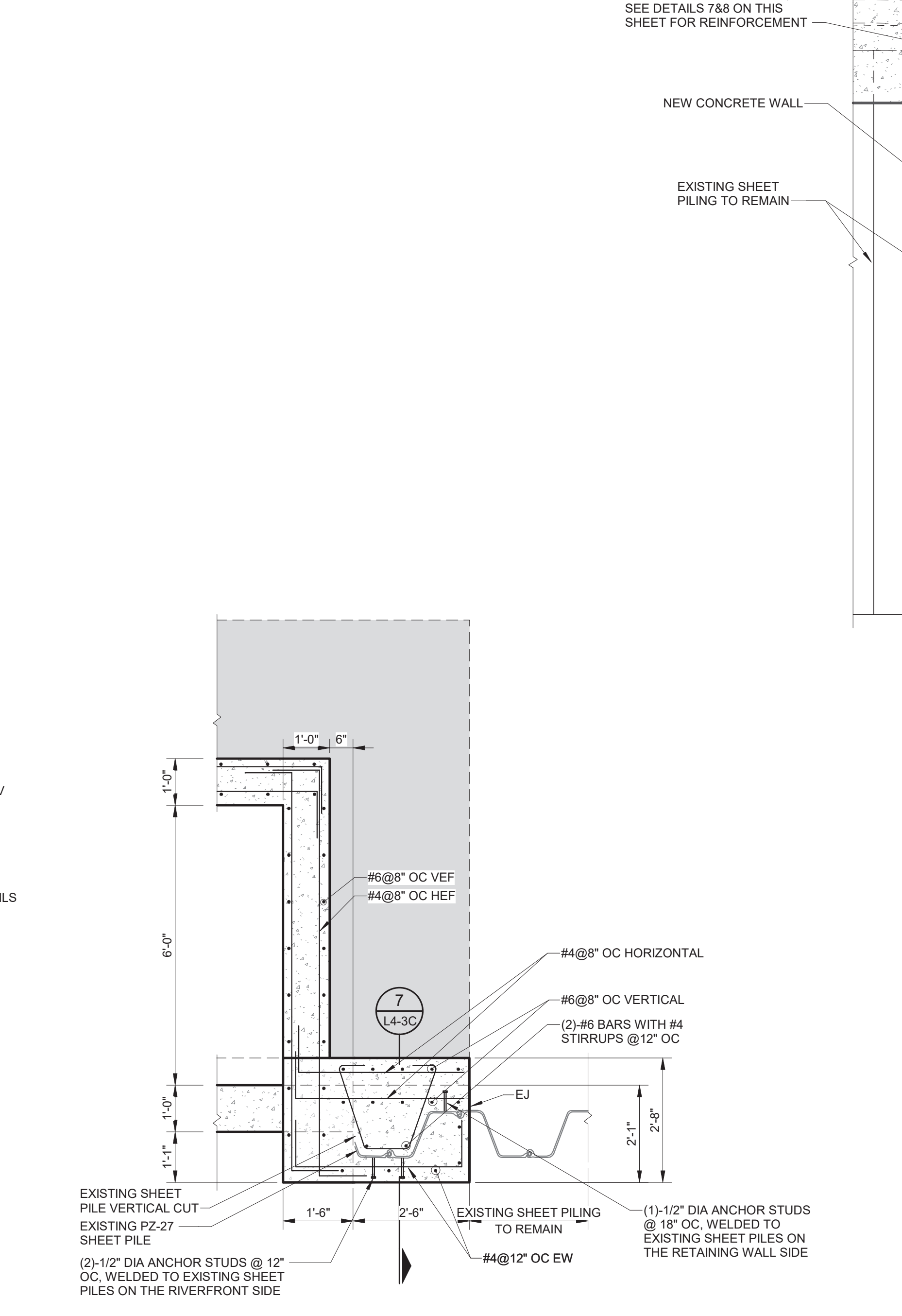
2 SECTION - 2
L4-3B SCALE: 3/8" = 1'-0"



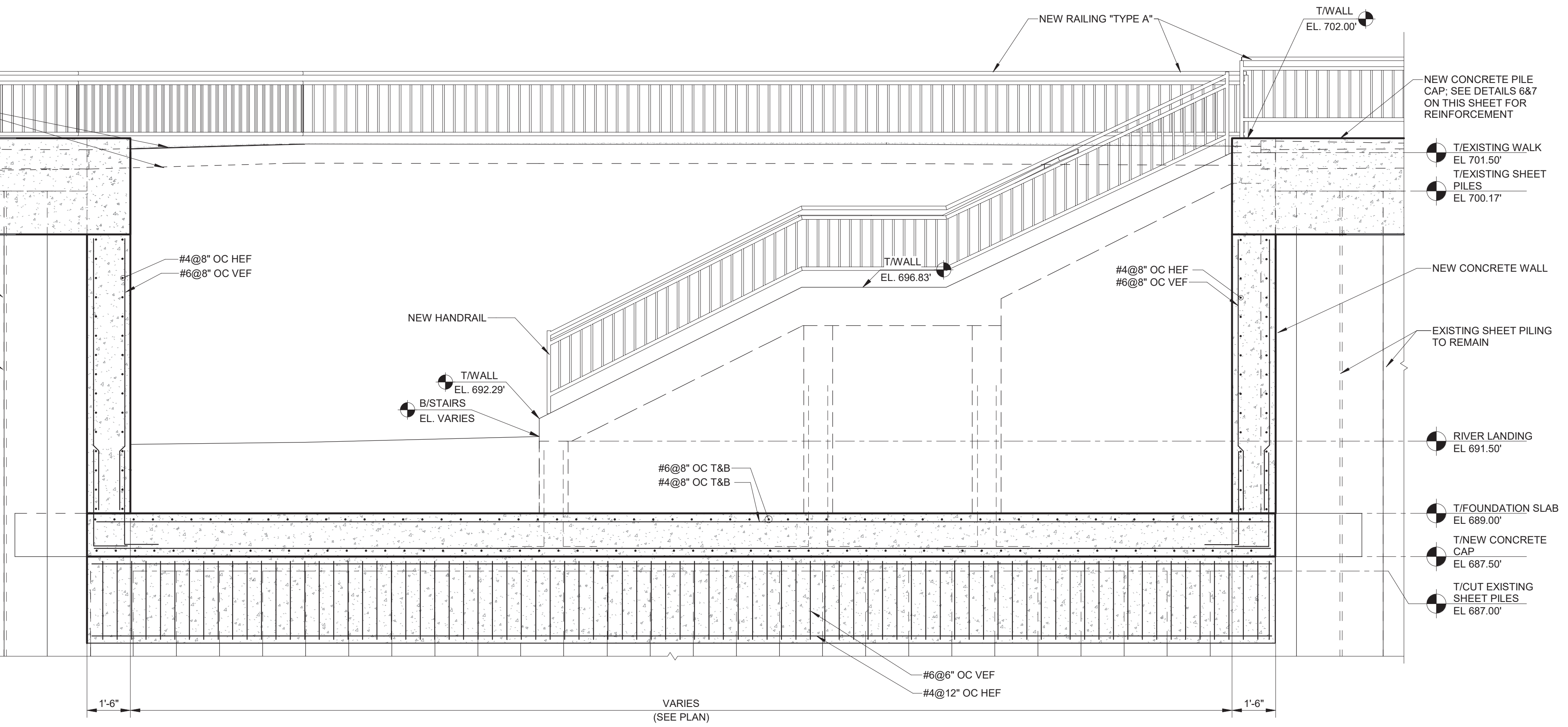
3 RIVER LANDING/STAIR SECTION
L4-3B SCALE: 3/8" = 1'-0"



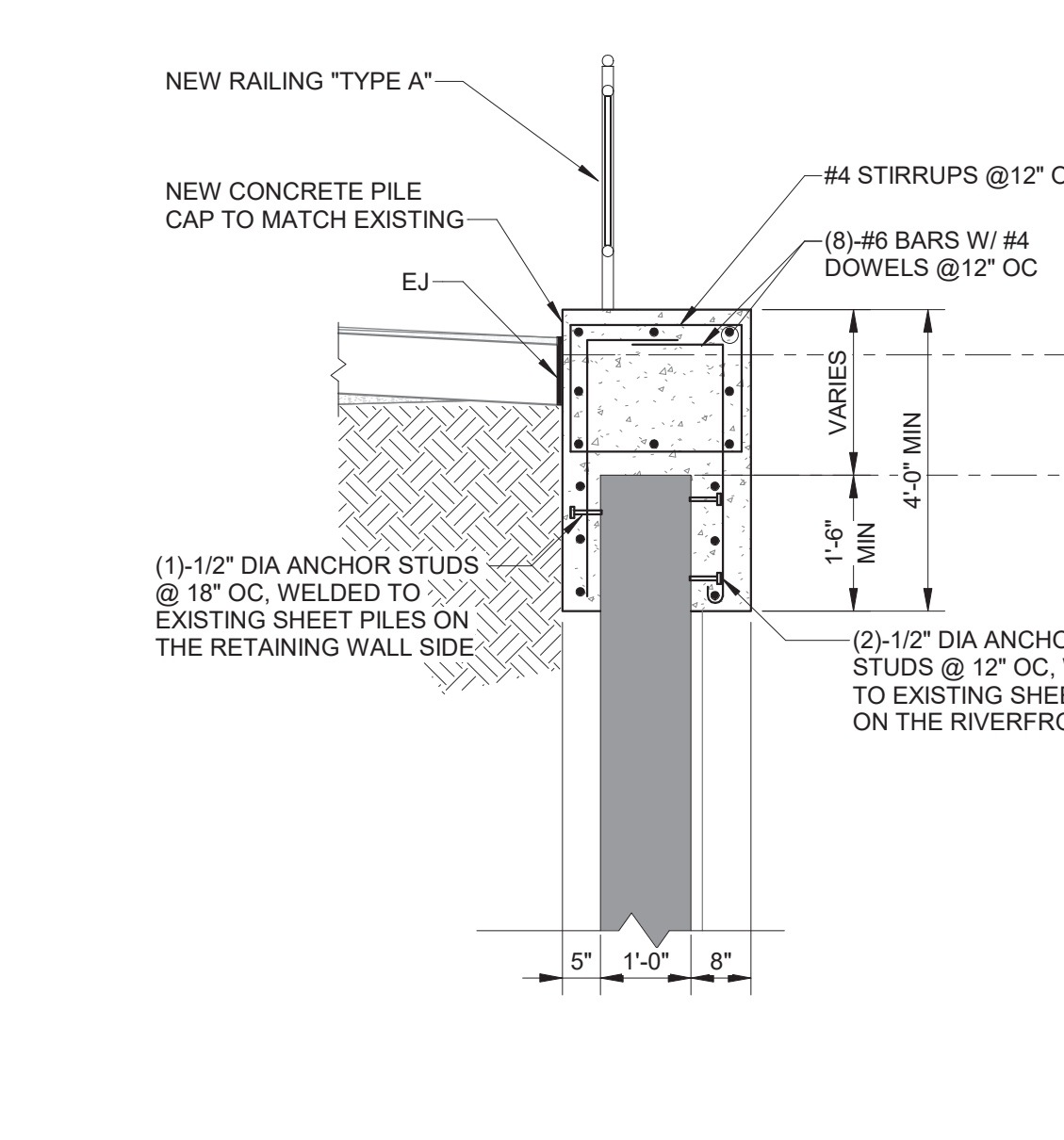
5 CORNER WALL SECTION
L4-3B SCALE: 3/4" = 1'-0"



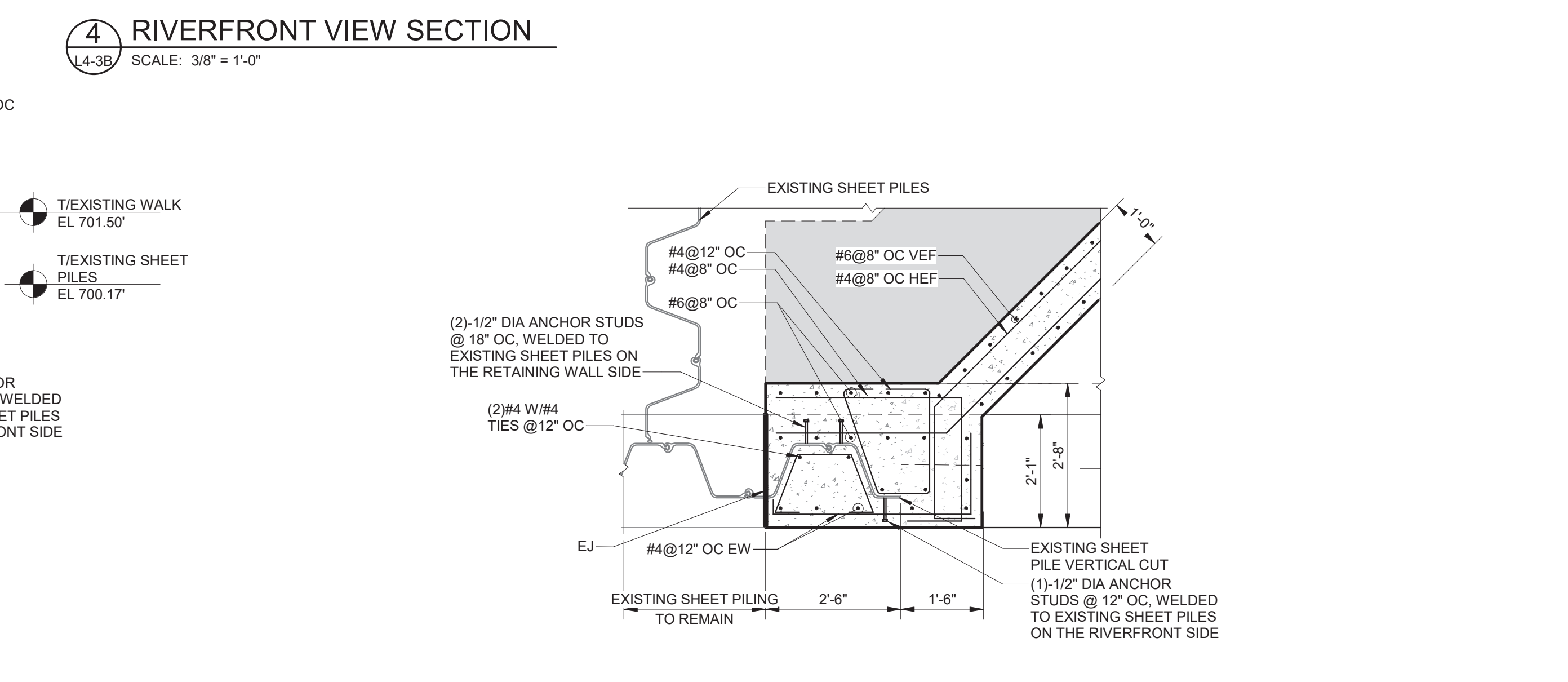
6 CORNER WALL - DETAIL I (EL. 689.00')
L4-3B SCALE: 1/2" = 1'-0"



4 RIVERFRONT VIEW SECTION
L4-3B SCALE: 3/8" = 1'-0"



7 CONCRETE CAP SECTION
L4-3B SCALE: 1/2" = 1'-0"



8 CORNER WALL - DETAIL II (EL. 689.00')
L4-3B SCALE: 1/2" = 1'-0"

PROJECT MANAGER: 10/17/2024 8:54:24 AM 408071488\UPA-(L-4) Grand Traverse Riffle Access S-RP1.rvt

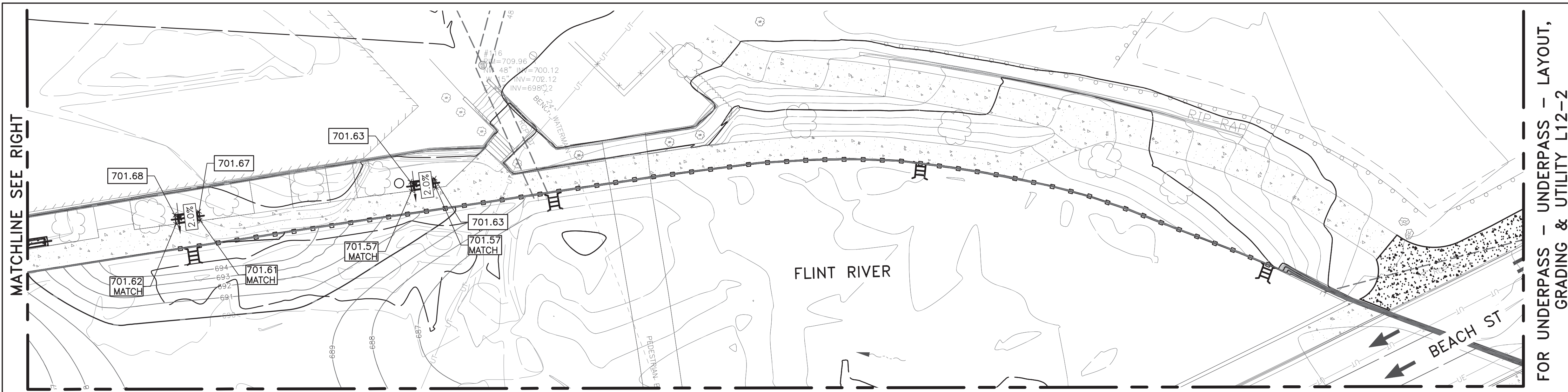
REV#	DATE	DESCRIPTION	BY

WADE TRIM
 605 S. Saginaw Street, Suite 201
 Flint, MI 48902
 810.226.2002
 www.wadetrtrim.com

GENESEE COUNTY PARKS & REC
 5045 E. STANLEY ROAD
 FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
 GRAND TRAVERSE ST RIFFLE ACCESS
 STRUCTURAL SECTIONS AND DETAILS

ISSUED FOR: DATE: BY: 46
 10/23/24
 JOB NO: GFA200301F
 SHEET: L4-3C
 © Made From Group, Inc. FLINT RIVER RESTORATION



PROJECT MANAGER: [Name], FIELD SUPERVISOR: [Name], DESIGNER: [Name], CHECKER: [Name], DATE: 10/24/2024, 8:33 AM BY: WHALEY, RUSSELL



REV#	DATE	DESCRIPTION	BY

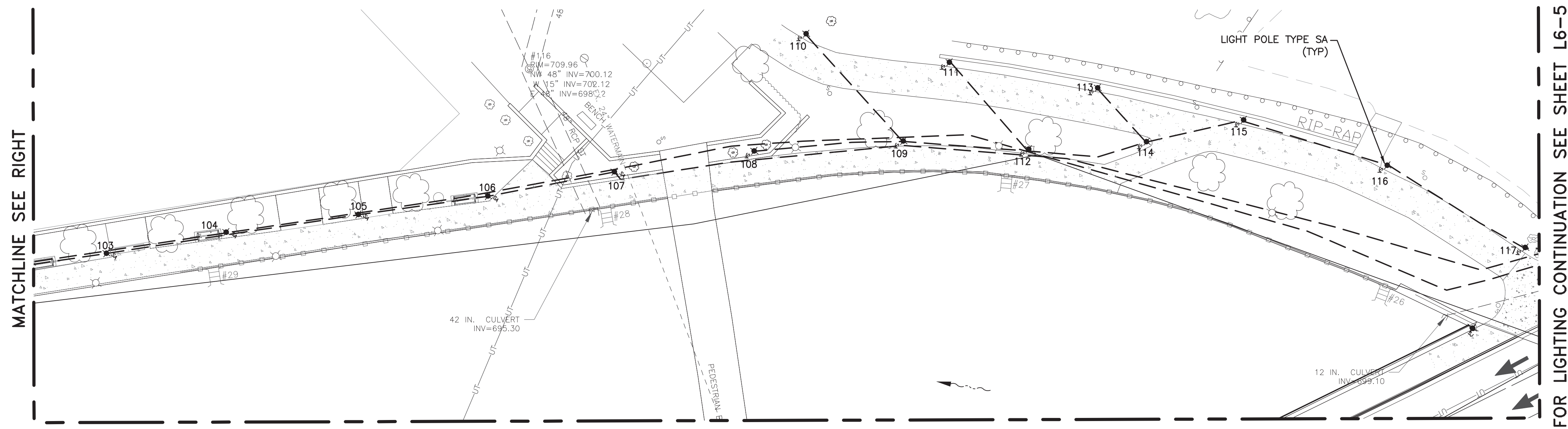


GENESSEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
GRAND TRAVERSE ST RIFFLE ACCESS - GRADING

ISSUED FOR: [Name]	DATE: 10/23/24	BY: SAL	JOB NO. GPA200301F
SHEET			L4-4

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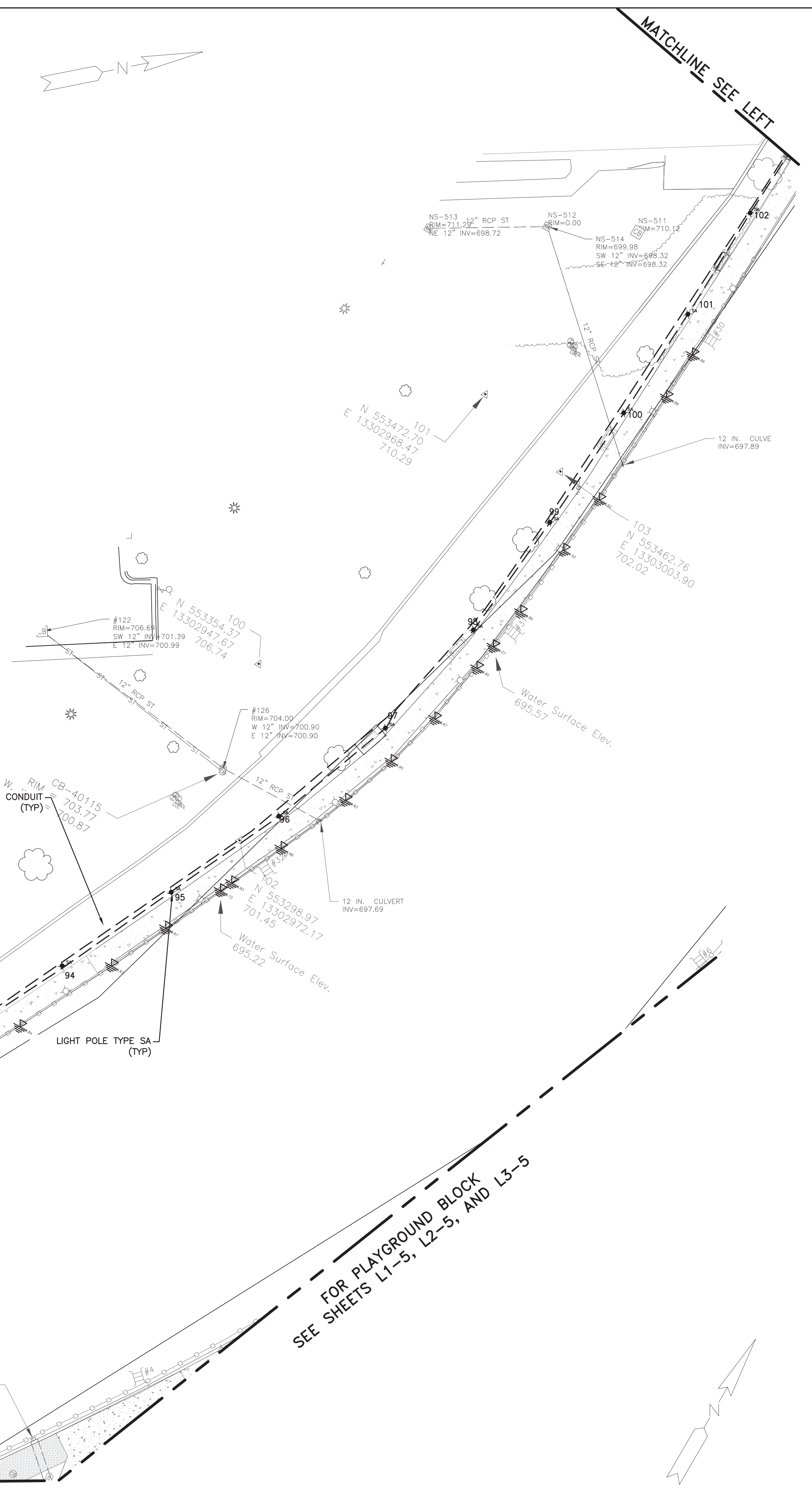
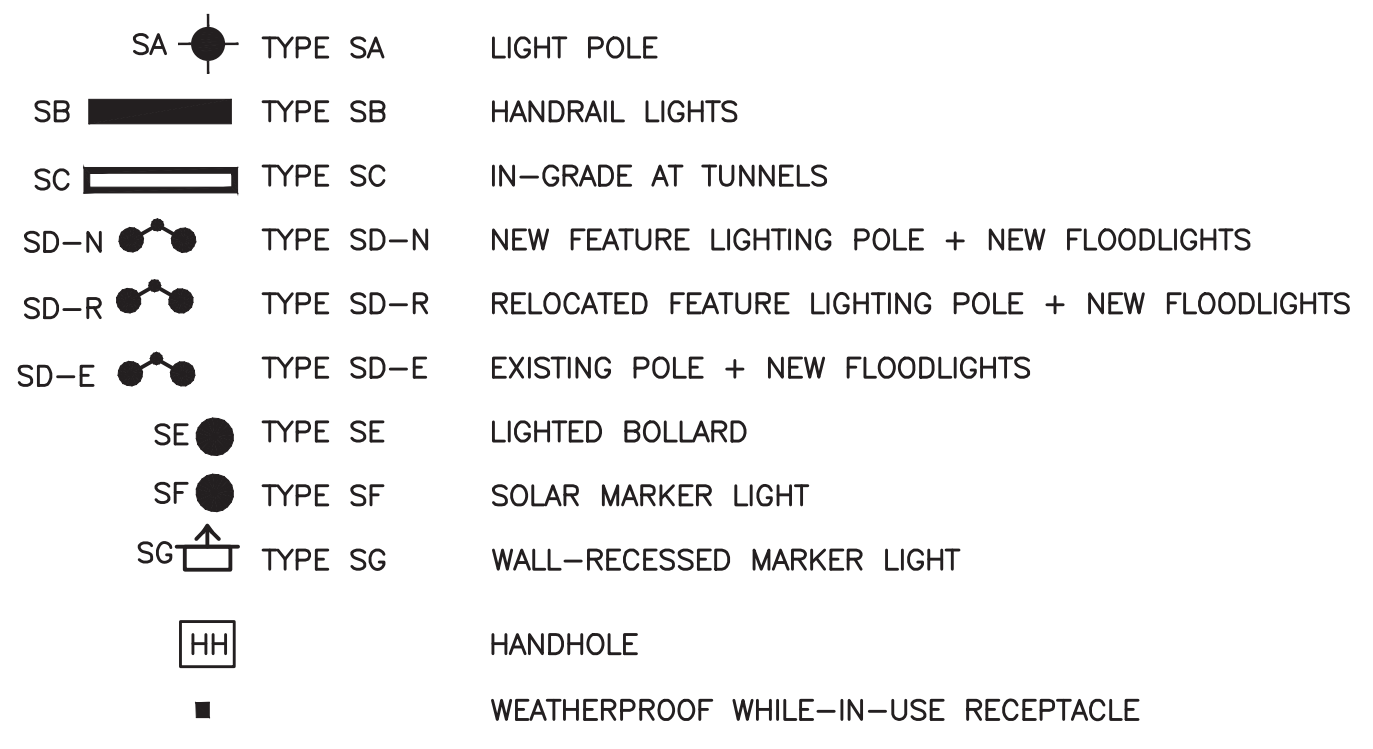
FOR UNDERPASS - LAYOUT, GRADING & UTILITY SEE SHEET L12-2

FOR LIGHTING CONTINUATION SEE SHEET L6-5

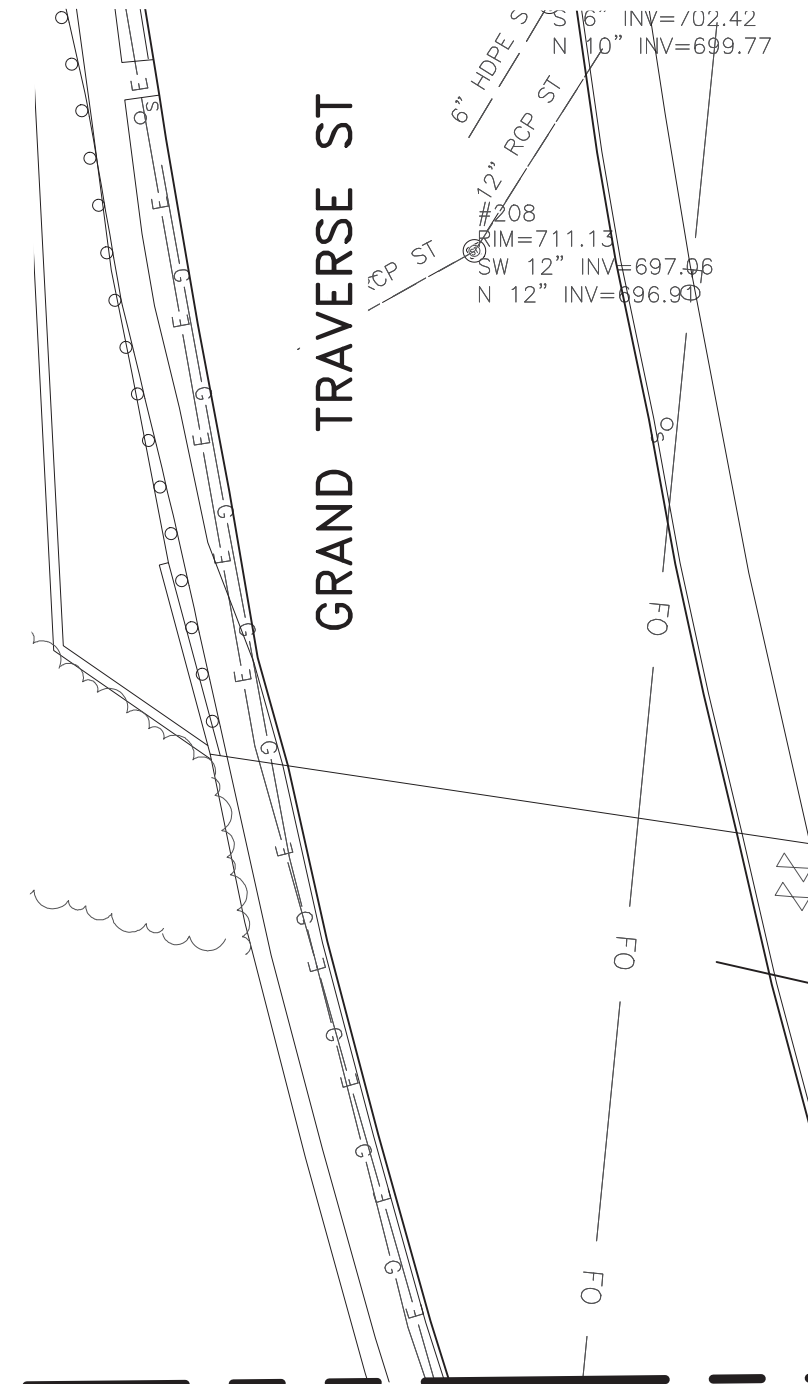
ELECTRICAL NOTES

- REFER TO SHEETS E1-7 THRU E1-9 FOR LIGHTING SCHEDULE AND DETAILS.
- REFER TO LIGHTING DIAGRAMS ON SHEETS E1-1 THRU E1-6 FOR CONDUIT/WIRING SIZES.
- ROUTE NEW UNDERGROUND CONDUIT AS CLOSE AS POSSIBLE TO NEW SIDEWALK. COORDINATE WITH ANY EXISTING UTILITIES TO AVOID CONFLICTS. CONDUITS SHALL ALSO AVOID EXISTING TREES AND DRIP LINES WHEREVER POSSIBLE. CONFIRM CONDUIT ROUTING IN FIELD WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. REFER TO LIGHTING DIAGRAMS FOR CONDUIT/WIRE SIZES.
- PROVIDE HANDHOLES AS REQUIRED PER THE NATIONAL ELECTRICAL CODE.
- FOR EXISTING LIGHT POLE DEMOLITION, REFER TO L4-2A REMOVAL SHEETS.
- ELECTRICAL CONDUITS ROUTING ARE APPROXIMATE. CONTRACTOR TO ROUTE CONDUITS AS CLOSE TOGETHER AS POSSIBLE. COORDINATE ROUTING WITH EXISTING AND PROPOSED UTILITIES, AND AVOID DISTURBANCE TO EXISTING TREES. FINAL CONDUIT ROUTING SHALL BE APPROVED IN FIELD BY ENGINEER AND LANDSCAPE ARCHITECT.

LIGHTING LEGEND



FOR PLAYGROUND BLOCK SEE SHEETS L1-5, L2-5, AND L3-5



GRAND TRAVERSE ST

FLINT RIVER

52 LF of 6" PERFORATED UNDERDRAIN AT MIN. 1%

#213
RM=701.29
SW 12" INV=692.59
NW 8" INV=697.79
SE 12" INV=692.74
PR. E 6" INV = 693.00

12 IN. CULVERT
INV=692.79

24 IN. CULVERT
INV=698.38



SCALE IN FEET



REV#	DATE	DESCRIPTION	BY



GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
GRAND TRAVERSE ST RIFFLE ACCESS - UTILITY

ISSUED FOR: (FB)	DATE: 10/23/24	BY: SAL
JOB NO. GPA200301F		
SHEET L4-5		

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MATCHLINE SEE RIGHT

FOR UNDERPASS - LAYOUT, GRADING & UTILITY SEE SHEET L12-2

MATCHLINE SEE LEFT

GRAND TRAVERSE ST

CONTRACTOR TO RESTORE ALL DISTURBED LAWN AREAS PER LANDSCAPE NOTES

FLINT RIVER

FOR PLAYGROUND BLOCK SEE SHEETS L1-6, L2-6, AND L3-6



PROJECT MANAGER: JAMES WHEALEY; DESIGNER: JAMES WHEALEY; DATE: 10/24/2024; PLOTTED: 10/24/2024 8:05 AM BY: WHEALEY, RUSSELL



REV#	DATE	DESCRIPTION	BY



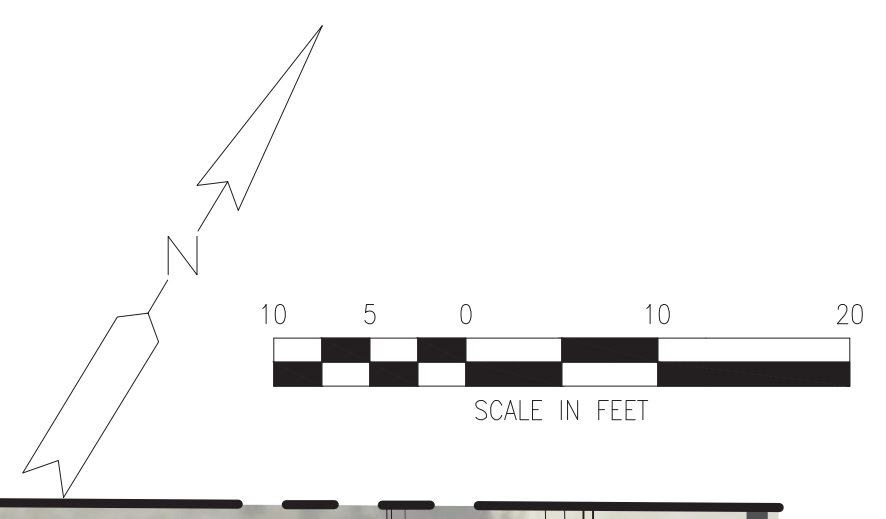
GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
GRAND TRAVERSE ST RIFFLE ACCESS
LANDSCAPE

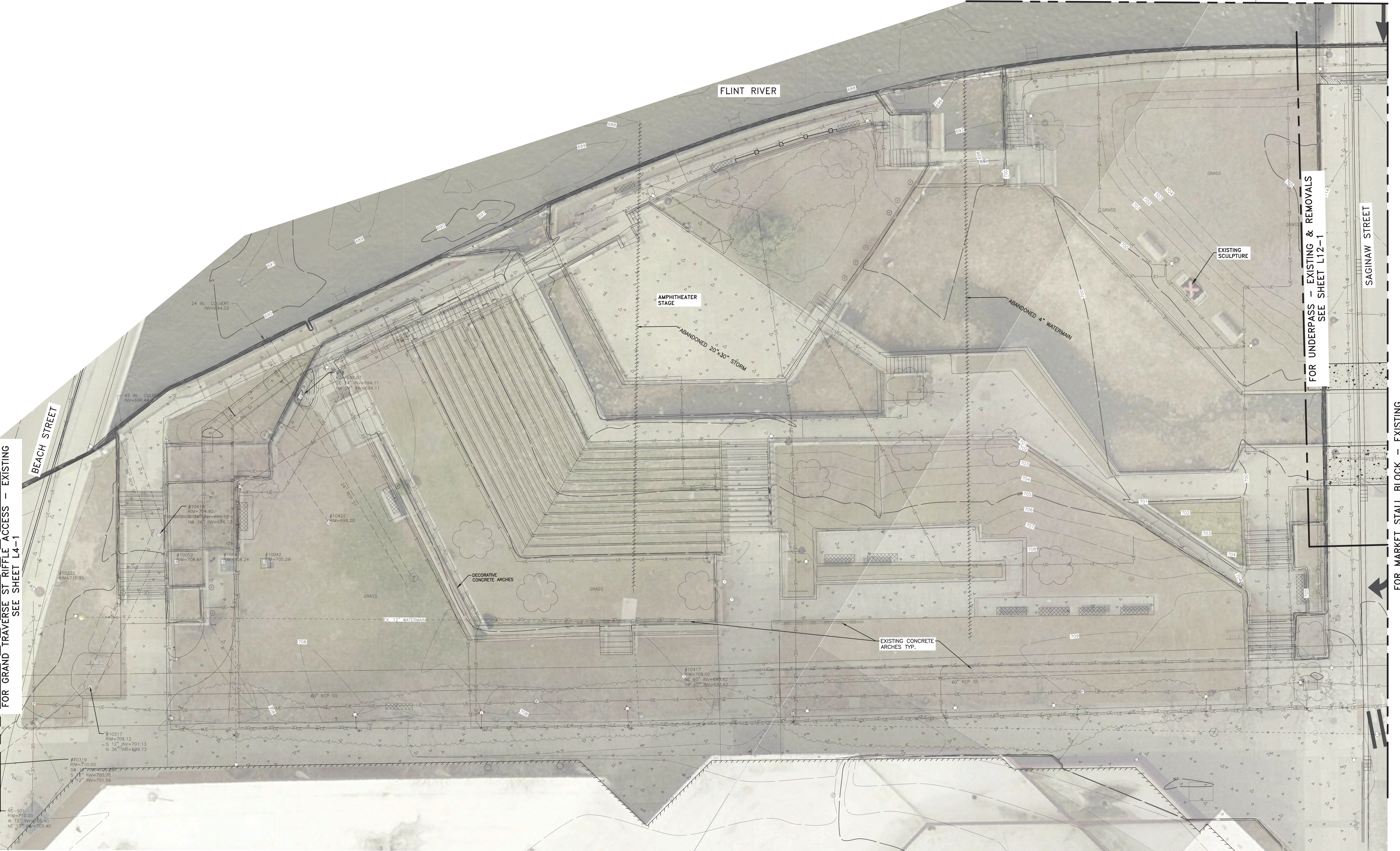
ISSUED FOR: DATE: BY: JOB NO.
FB 10/23/24 SAL GPA200301F

SHEET
L4-6

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FOR GRAND FOUNTAIN BLOCK – EXISTING
SEE SHEET L6-1



FOR GRAND TRAVERSE ST RIFFLE ACCESS – EXISTING
SEE SHEET L4-1

FOR UNDERPASS – EXISTING & REMOVALS
SEE SHEET L12-1

FOR MARKET STALL BLOCK – EXISTING
SEE SHEET L8-1

FIELD BOOK INFORMATION:
 PROJECT MANAGER: JAMES WHEALEY
 CIVIL ENGINEER: JAMES WHEALEY
 PLOTTED: 10/24/2024 8:56 AM BY WHEALEY, RUSSELL



REV#	DATE	DESCRIPTION	BY



GENESEE COUNTY PARKS & REC
 5045 E. STANLEY ROAD
 FLINT, MI 48506

FLINT RIVERFRONT RESTORATION – PHASE 2
 AMPHITHEATER BLOCK – EXISTING

ISSUED FOR: DATE: BY:
 (FBI) 10/23/24 SAL

JOB NO. GPA200301F
 SHEET L5-1

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KEY NOTES – REMOVAL

RCG – CURB AND GUTTER

RCG-1 REMOVE STANDARD CURB AND GUTTER

RLS – LANDSCAPE

X REMOVE TREE

RLS-2 REMOVE UNDERSTORY VEGETATION/LANDSCAPE BED PLANTINGS

RLS-3 REMOVE AND STOCKPILE TOPSOIL

RLP – LIGHTING AND POWER

RLP-1 REMOVE LIGHT POLE

RPA – PAVING

RPA-1 REMOVE CONCRETE

RPA-2 REMOVE STAIRS

RPA-3 REMOVE PAVER

RPA-4 SAWCUT PAVING

RPA-5 REMOVE ASPHALT

PRO – PROTECTION

PRO-1 PLACE TREE PROTECTION FENCE

PRO-2 PROTECT EXISTING FEATURE

RSF – SITE FEATURES

RSF-1 REMOVE BENCH OR TABLE

RSF-2 REMOVE RAILING

RSF-3 REMOVE BOLLARD

RSF-4 REMOVE SIGN

RSF-5 REMOVE POST AND ROPE/CHAIN RAILING

RSF-6 REMOVE GUARDRAIL

RSF-7 REMOVE CHAIN LINK FENCE

RSF-8 REMOVE RIVER EGRESS LADDER

RSF-8 REMOVE RIVER EGRESS LADDER

RSW – SITE WALLS

SEE STRUCTURAL PLANS FOR DETAILS

RSW-1 REMOVE RETAINING WALL

RSW-2 REMOVE SEAT OR SITE WALL

RSW-3 CUT AND REMOVE FLOOD PROTECTION WALL

RSW-4 REMOVE PLANTER WALL

RSW-5 REMOVE CONCRETE WALL ABOVE GRADE – SEE DETAIL 8 ON L22-4



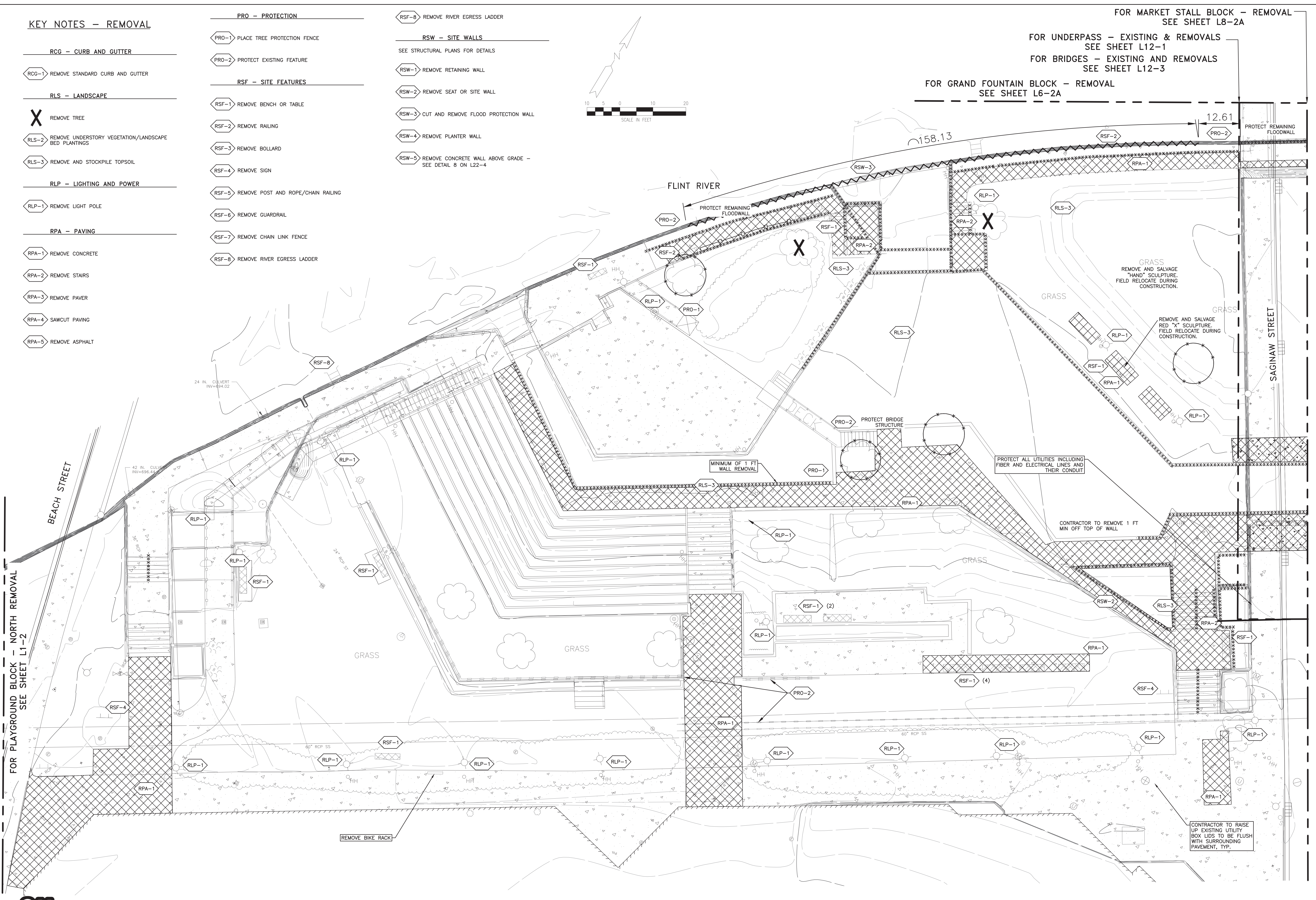
SCALE IN FEET

FOR MARKET STALL BLOCK – REMOVAL
SEE SHEET L8-2A

FOR UNDERPASS – EXISTING & REMOVALS
SEE SHEET L12-1

FOR BRIDGES – EXISTING AND REMOVALS
SEE SHEET L12-3

FOR GRAND FOUNTAIN BLOCK – REMOVAL
SEE SHEET L6-2A



FOR PLAYGROUND BLOCK – NORTH REMOVAL
SEE SHEET L1-2

FIELD BOOK INFORMATION: PROJECT MANAGER: JAMES WEAVER; DESIGNER: JAMES WEAVER; DATE: 10/23/24; 8:08 AM BY: WHALEY, RUSSELL; CIVIL WORKS: JUDITH BROWN; VENDOR: WASTE TRIM; PLOTTED: 10/23/24



REV#	DATE	DESCRIPTION	BY



GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION – PHASE 2
AMPHITHEATER BLOCK – REMOVAL

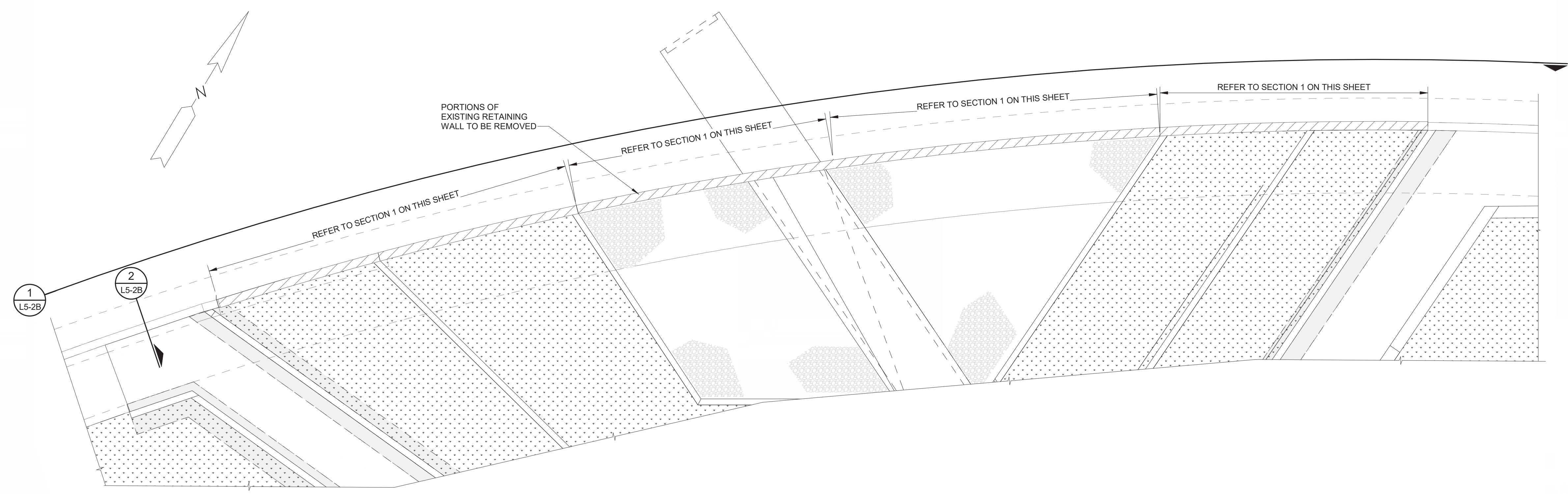
ISSUED FOR: DATE: BY: JOB NO:
FB 10/23/24 SAL GPA200301F
SHEET
L5-2A

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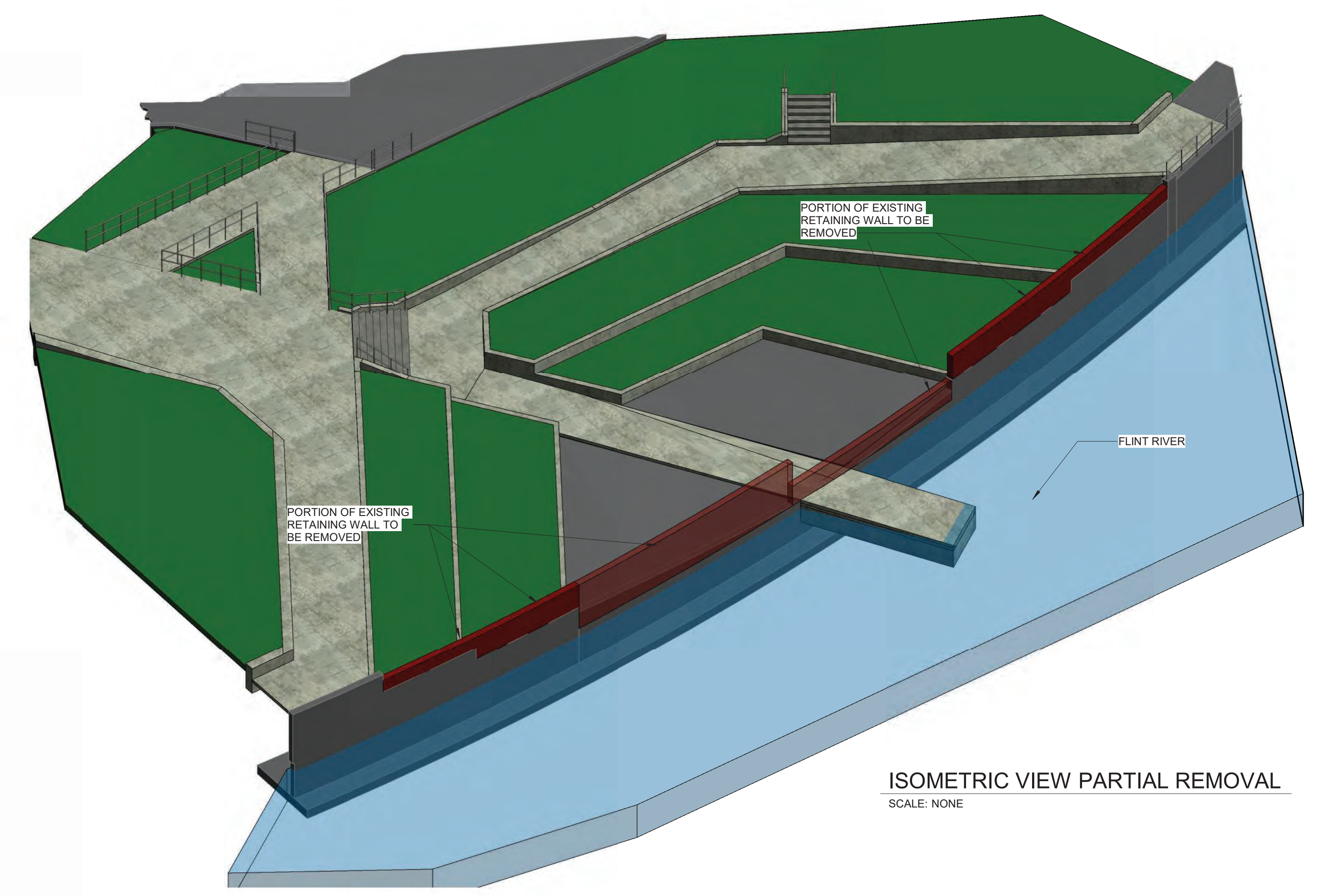
- NOTES:**
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELEVATIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.
 - ALL DIMENSIONS OR ELEVATIONS MARKED WITH AN ASTERISK "*" SHALL BE DETERMINED OR VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
 - WHEN REMOVING EXISTING CONCRETE BY CUTTING OR CHIPPING THE CONTRACTOR SHALL ONLY REMOVE REINFORCING BARS WHICH CANNOT BE BENT INTO AREAS WHERE NEW CONCRETE WOULD COMPLETELY COVER THEM.

LEGEND:

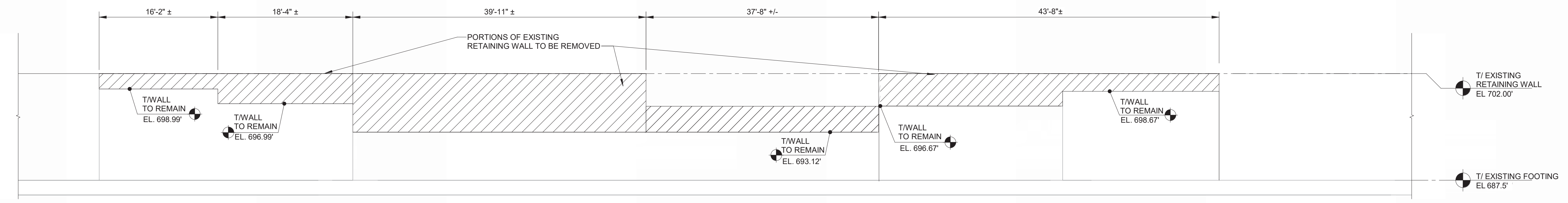
 INDICATES REMOVAL



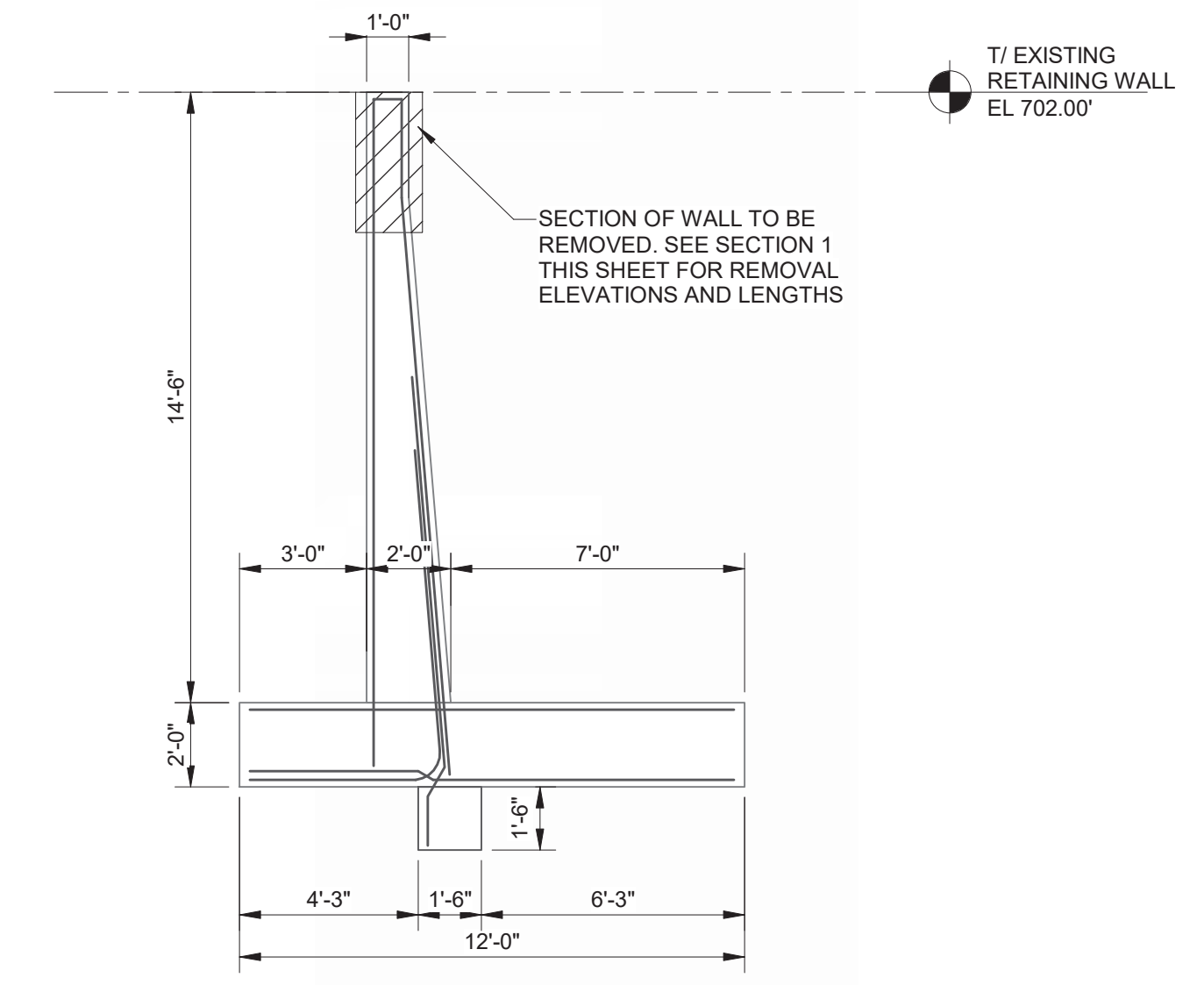
GRADE PLAN PARTIAL REMOVAL
(EL. 701.50)
SCALE: 1/8" = 1'-0"



ISOMETRIC VIEW PARTIAL REMOVAL
SCALE: NONE



1 STRUCTURAL FRONT VIEW PARTIAL REMOVAL
L5-29 SCALE: 3/8" = 1'-0"



2 EXISTING RETAINING WALL
L5-29 SCALE: 1/4" = 1'-0"

PROJECT MANAGER: PHOENIX (L5-29) Amphitheater Block S- R19.rvt 10/17/2024 9:14:47 AM

REV#	DATE	DESCRIPTION	BY



GENESSEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
AMPHITHEATER BLOCK
REMOVAL - STRUCTURAL PLAN, SECTIONS AND
ISOMETRIC VIEW

ISSUED FOR: DATE: BY: WB 10/23/24 G

JOB NO: GPA200301F

SHEET: L5-2B

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KEY NOTES – PROPOSED

CG – CURB AND GUTTER

- CG-1 STANDARD CURB AND GUTTER (11) L21-1
- CG-2 CURB RAMP (9) L21-7

LS – LANDSCAPE

- LS-1 PLANTER BED (8) L21-2
- LS-2 BIORETENTION BED (3) L23-7
- LANDSCAPE BOULDER (1) L23-1
- BARRIER BOULDER (2) L23-7
- LS-5 TREE GRATE (9) L21-3
- LS-6 RIVER ACCESS STONE (14) L21-7

PA – PAVING

- PA-1 CONCRETE WALK – STANDARD (3) L21-1
- PA-2 CONCRETE WALK 8" – REINFORCED (4) L21-1
- PA-3 CONCRETE WALK – EXPOSED AGGREGATE (6) L21-7
- PA-4 CONCRETE – INTEGRAL COLOR (3) L21-7
- PA-5 ASPHALT ROADWAY (1) L21-7
- PA-6 ASPHALT TRAIL (2) L21-1
- PA-7 PERMEABLE PAVER (8) L21-7

- PA-8 STANDARD PAVER (7) L21-1
- PA-9 STAIRS – STANDARD (1) L21-7
- PA-10 STAIRS – CUSTOM (1) L21-7
- PA-11 STAIRS – PERRONS (8) L21-4
- PA-12 MEET EXISTING PAVEMENT (8) L21-2
- PA-13 CROSSWALK (8) L21-2

SF – SITE FEATURES

- SF-1 BENCH – STANDARD (6) L21-3
- SF-2 SWINGING BENCH (10) L21-5
- SF-3 PICNIC TABLE (9) L21-3
- LITTER BIN (8) L21-3
- SF-5 BIKE RACKS (10) L21-3
- SF-6 PARK SIGN (8) L21-3
- RIVER EGRESS LADDER (8) L21-3

- SF-8 BBQ GRILL AND ASH BIN (2) L21-6
- SF-9 RAILING – TYPE A (1) L21-3
- SF-10 RAILING – TYPE B (8) L21-4
- SF-11 EXISTING HANDRAIL – CLEANING AND PAINTING (7) L21-5
- SF-12 USCG LIFE RING (7) L21-5

SW – SITE WALLS
SEE STRUCTURAL PLANS FOR DETAILS

- SW-1 RETAINING WALL (9) L21-5
- SW-2 SEAT WALL
- SW-3 FLOOD PROTECTION WALL
- SW-4 RAISED PLANTER WALL
- SW-5 OUTCROPPING STONE WALL (9) L21-5
- SW-6 CURB WALL

60" SANITARY SEWER NOTES:
ONLY APPROXIMATE LOCATION OF EXISTING 60" DIA SANITARY SEWER IS SHOWN. CONTRACTOR SHALL PROTECT AND MONITOR EXISTING 60" DIA SEWER AT ALL TIMES DURING CONSTRUCTION. CCTV INSPECTION OF EXISTING 60" DIA SEWER SHALL BE COMPLETED PRIOR AND AFTER CONSTRUCTION. NEW FOOTINGS, TREES, AND LIGHT POLES SHALL NOT BE PLACED ABOVE EXISTING 60" DIA SEWER. NEW SIDEWALK, WALK, RAMP OR STAIRS CAN BE PLACED ABOVE EXISTING 60" DIA SEWER. CONTRACTOR MUST MAINTAIN AT LEAST 3 FEET OF COVER ABOVE EXISTING 60" DIA SEWER EXCEPT FOR LOCATIONS INDICATED ON THE DRAWINGS.



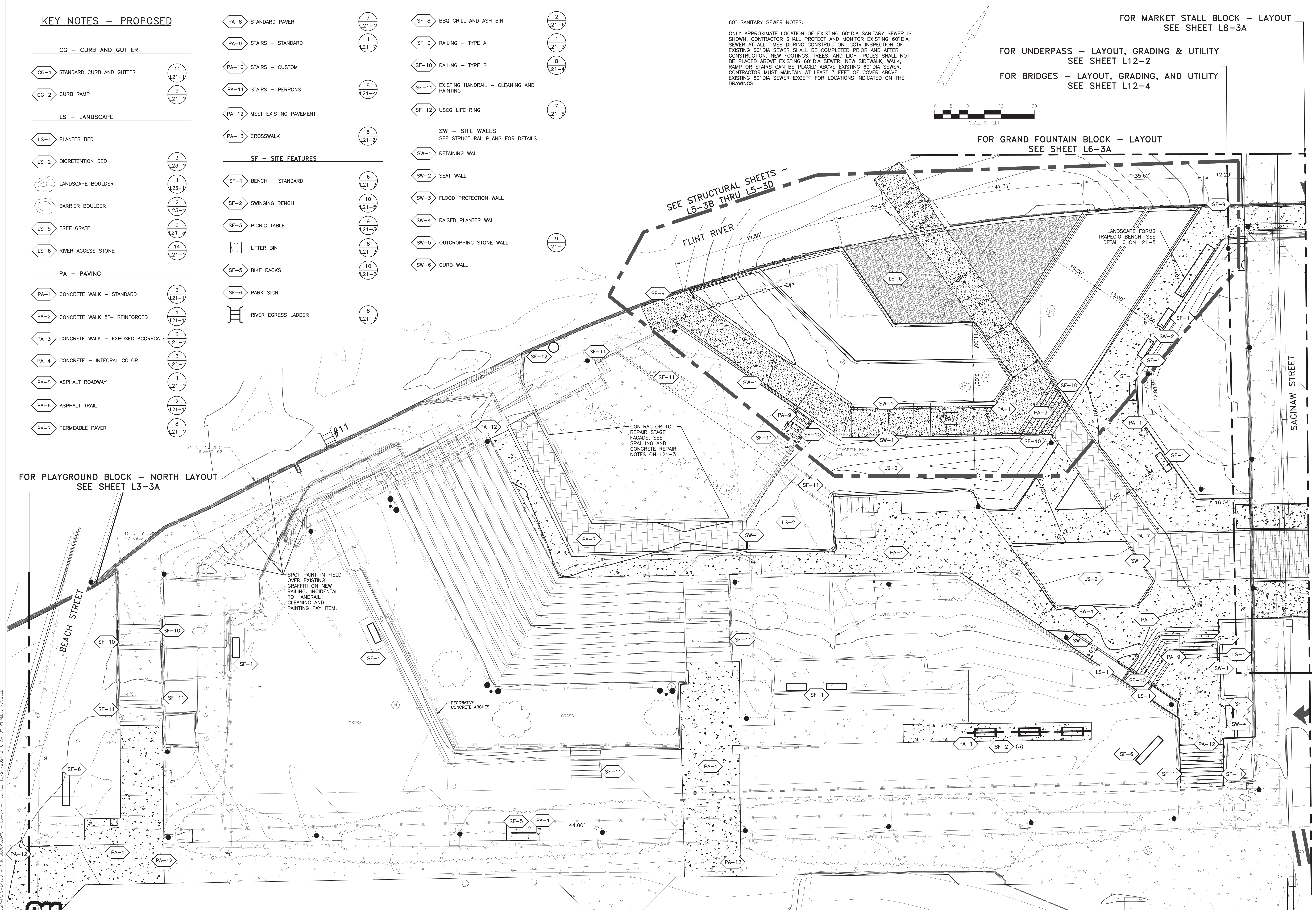
FOR MARKET STALL BLOCK – LAYOUT
SEE SHEET L8-3A

FOR UNDERPASS – LAYOUT, GRADING & UTILITY
SEE SHEET L12-2

FOR BRIDGES – LAYOUT, GRADING, AND UTILITY
SEE SHEET L12-4

FOR GRAND FOUNTAIN BLOCK – LAYOUT
SEE SHEET L6-3A

FOR PLAYGROUND BLOCK – NORTH LAYOUT
SEE SHEET L3-3A



PROJECT MANAGER: [Name], DESIGNER: [Name], DATE: 10/24/2024, 8:10 AM, BY: WHALEY, RUSSELL



REV#	DATE	DESCRIPTION	BY

WADE TRIM
205 S. Saginaw Street, Suite 201
Flint, MI 48502
910.291.2656
www.wadetrim.com

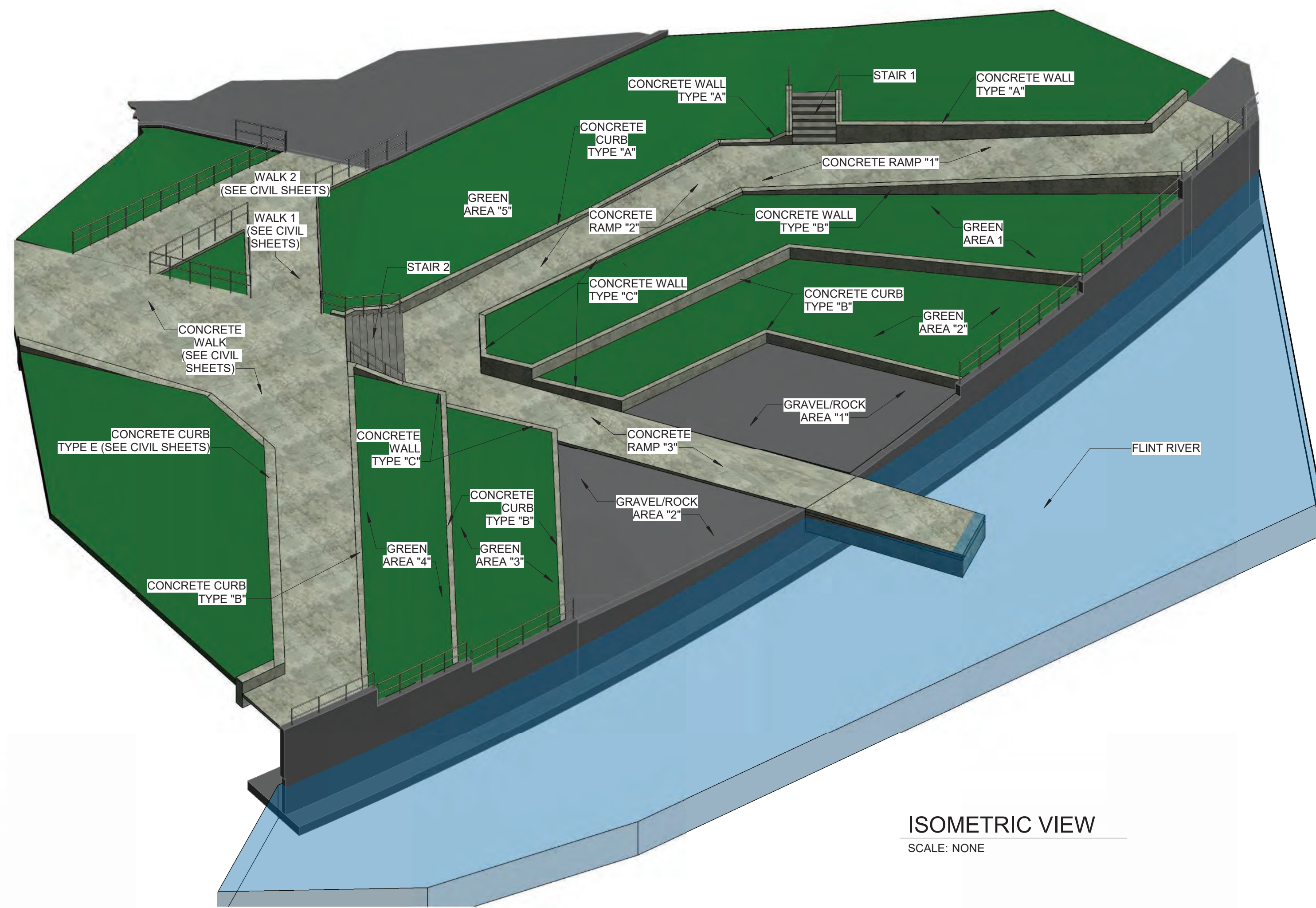
GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION – PHASE 2
AMPHITHEATER BLOCK – LAYOUT

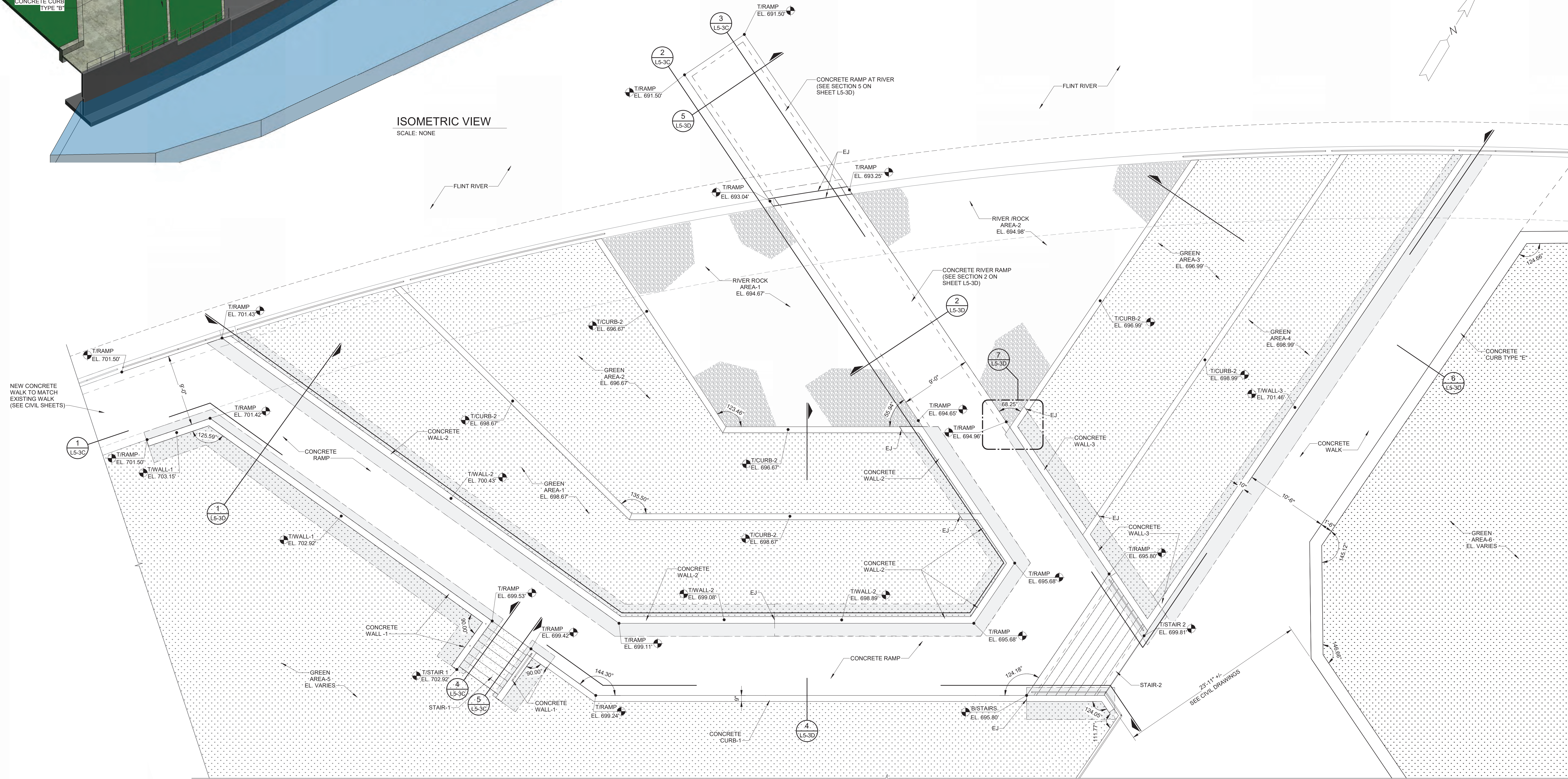
ISSUED FOR: DATE: BY: JOB NO.
FB 10/23/24 SAL GPA200301F
SHEET
L5-3A

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- NOTES:**
BELOW NOTES AND LEGEND APPLY TO SHEETS L5-3B, L5-3C AND L5-3D.
1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELEVATIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.
 2. RETAINING WALL STRUCTURES ARE DESIGNED FOR A MAXIMUM BEARING PRESSURE OF 3000 PSF.
 3. PROVIDE NEW RAILING AS INDICATED. SEE CIVIL SHEETS FOR LOCATIONS AND DETAILS.
 4. SPOT ELEVATIONS SHOWN ARE FOR REFERENCE ONLY. REFER TO CIVIL SHEET L5-4 FOR FINAL DETAILED GRADING.
 5. PROVIDE 1/2" CHAMFERED EDGE FOR ALL EXPOSED CONCRETE EDGES.
 6. ALL DIMENSIONS OR ELEVATIONS MARKED WITH AN ASTERISK "*" SHALL BE DETERMINED OR VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
 7. LANDINGS SHALL HAVE MINIMUM 1% SLOPE FOR DRAINAGE. SEE CIVIL SHEET L5-4 FOR DETAILS.
 8. IN CASE OF GRADE DISCREPANCIES BETWEEN CIVIL AND STRUCTURAL SHEETS, FOLLOW CIVIL GRADING PLAN.



ISOMETRIC VIEW
SCALE: NONE



GRADE PLAN (EL. 701.50)
SCALE: 3/16" = 1'-0"

PROJECT MANAGER: 10/17/2024 9:14:53 AM
10/17/2024 9:14:53 AM
PROJECT MANAGER: (S) Amphitheater Block S-R19.rvt

REV#	DATE	DESCRIPTION	BY

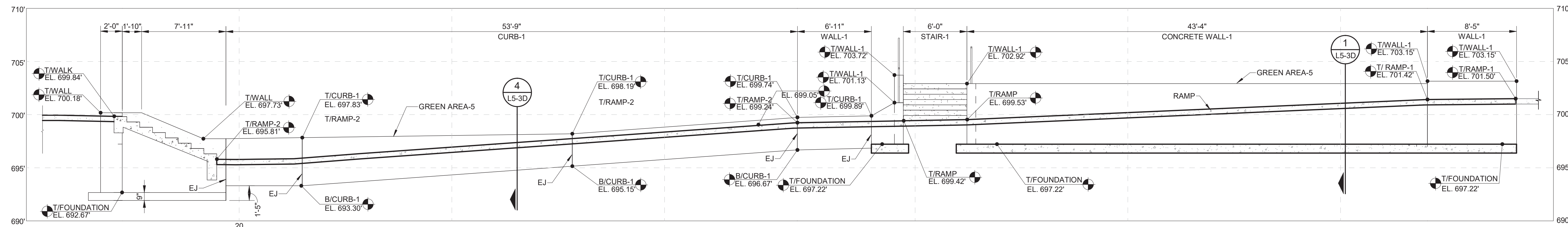


GENESSEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

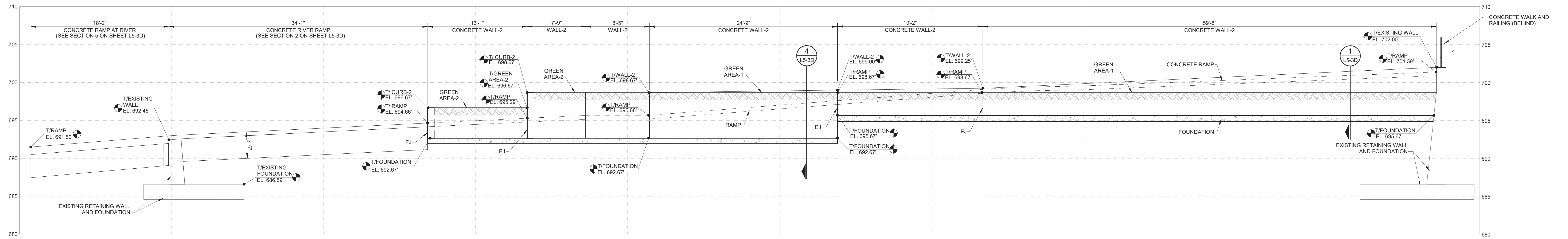
FLINT RIVERFRONT RESTORATION-PHASE 2
AMPHITHEATER BLOCK
STRUCTURAL GRADE PLAN AND ISOMETRIC VIEW

ISSUED FOR: FB	DATE: 10/23/24	BY: G	JOB NO: GPA200301F
SHEET			L5-3B

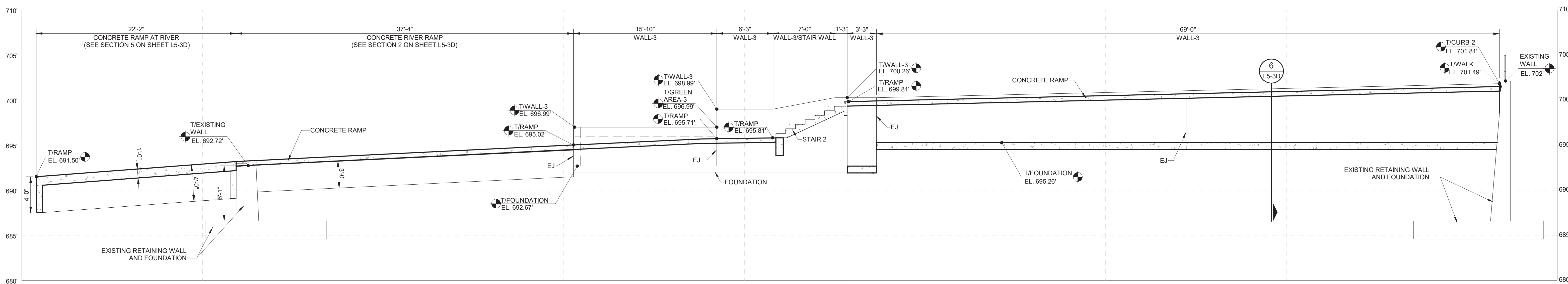
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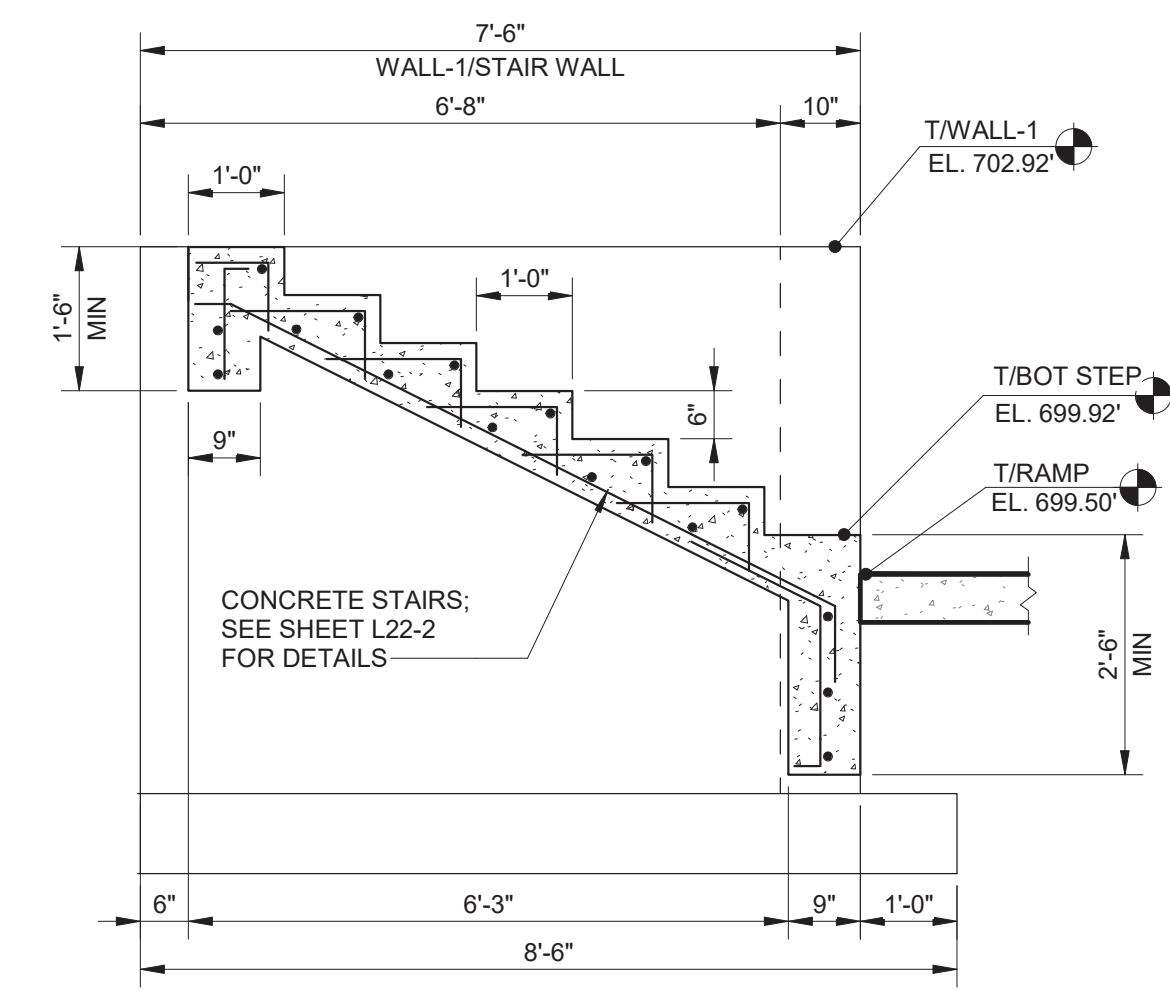
1 CONCRETE WALL-1 PROFILE
 L5-3B SCALE: 3/16" = 1'-0"



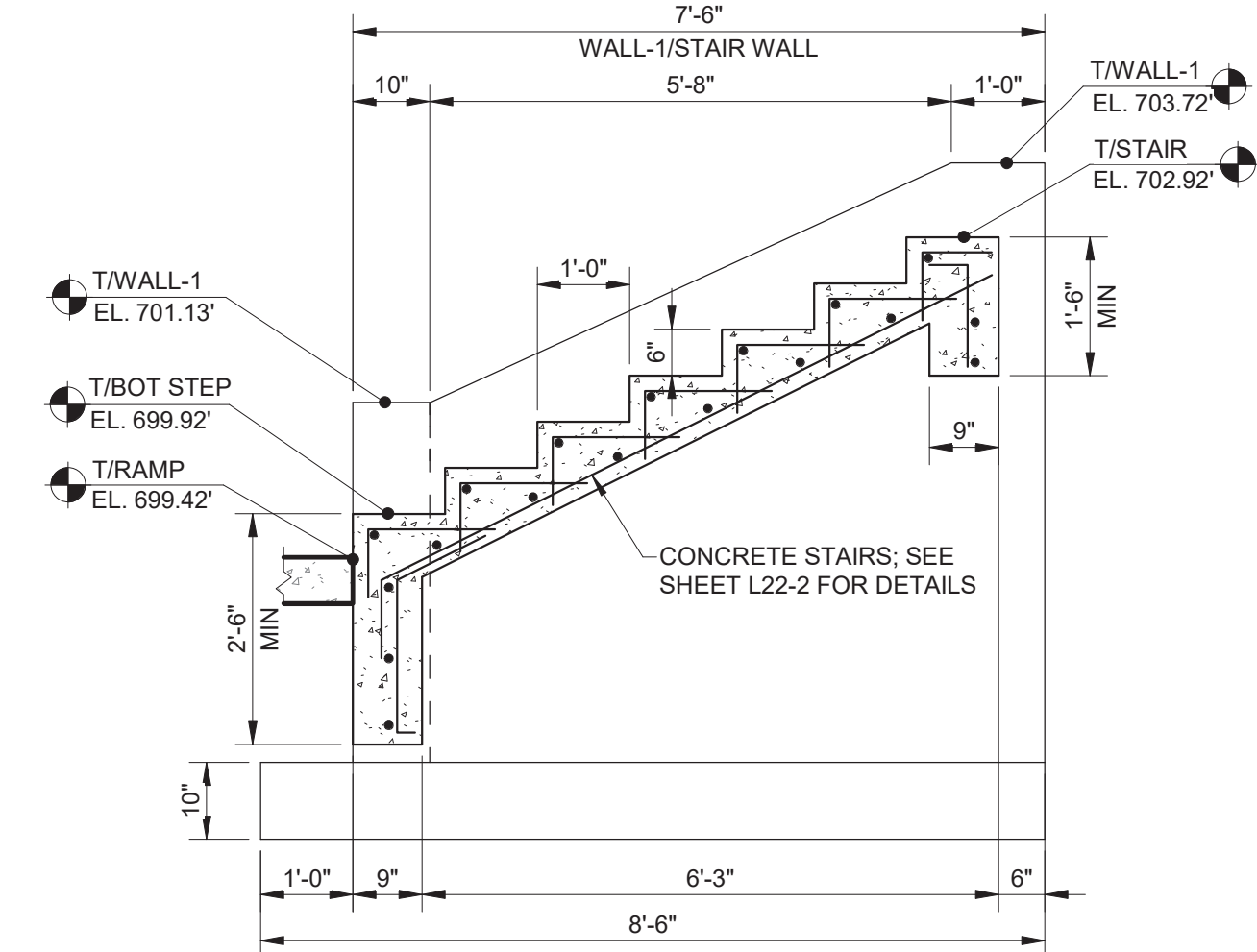
2 CONCRETE WALL-2 PROFILE
 L5-3B SCALE: 3/16" = 1'-0"



3 CONCRETE WALL-3 PROFILE
 L5-3B SCALE: 3/16" = 1'-0"

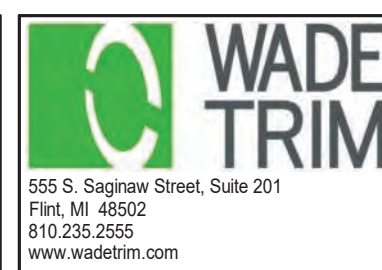


4 STAIR 1 SECTION I
 L5-3B SCALE: 1/2" = 1'-0"



5 STAIR 1 SECTION II
 L5-3B SCALE: 1/2" = 1'-0"

REV#	DATE	DESCRIPTION	BY

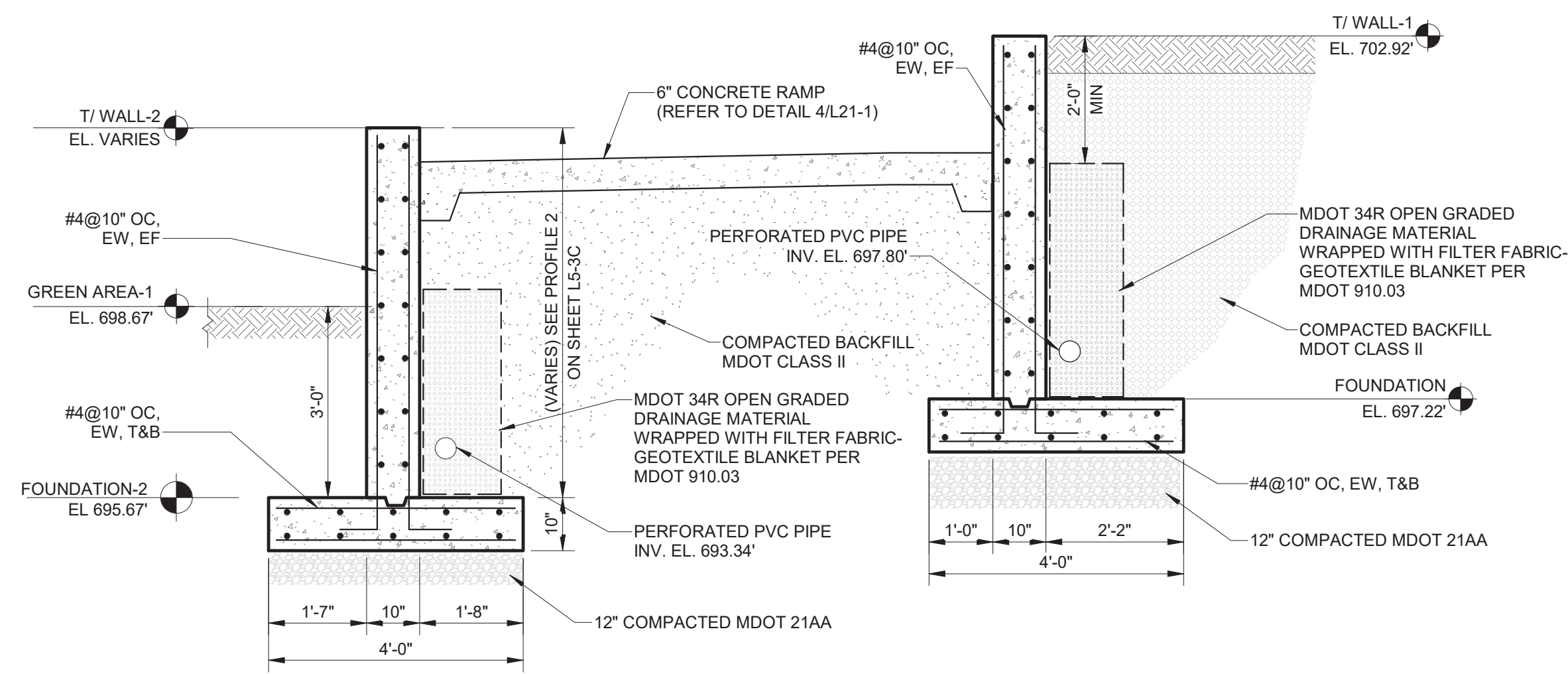


GENESSEE COUNTY PARKS & REC
 5045 E. STANLEY ROAD
 FLINT, MI 48506

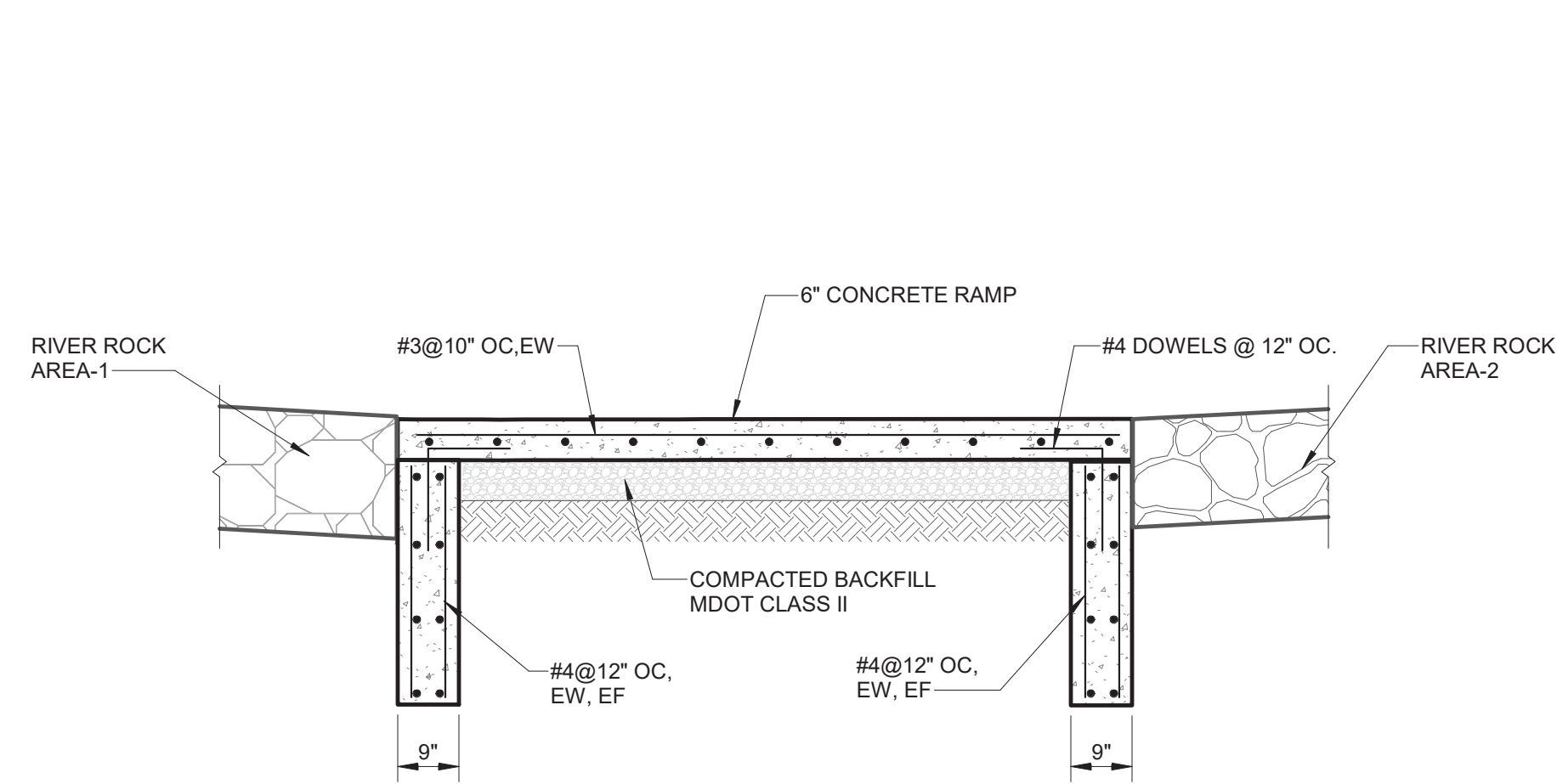
FLINT RIVERFRONT RESTORATION - PHASE 2
 AMPHITHEATER BLOCK
 STRUCTURAL PROFILES AND SECTIONS

ISSUED FOR: DATE: BY:
 WB 10/23/24 G

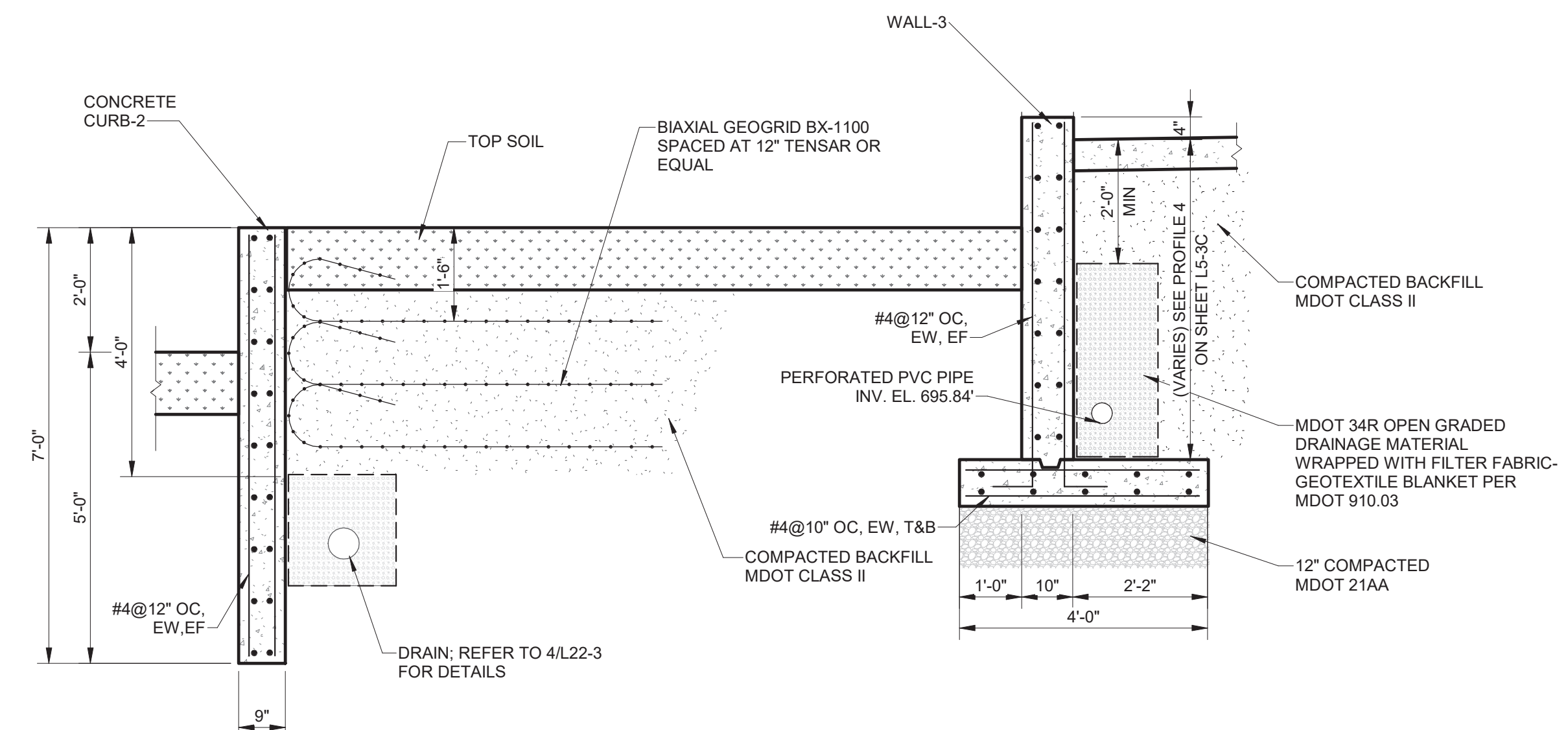
JOB NO: GPA200301F
 SHEET: L5-3C



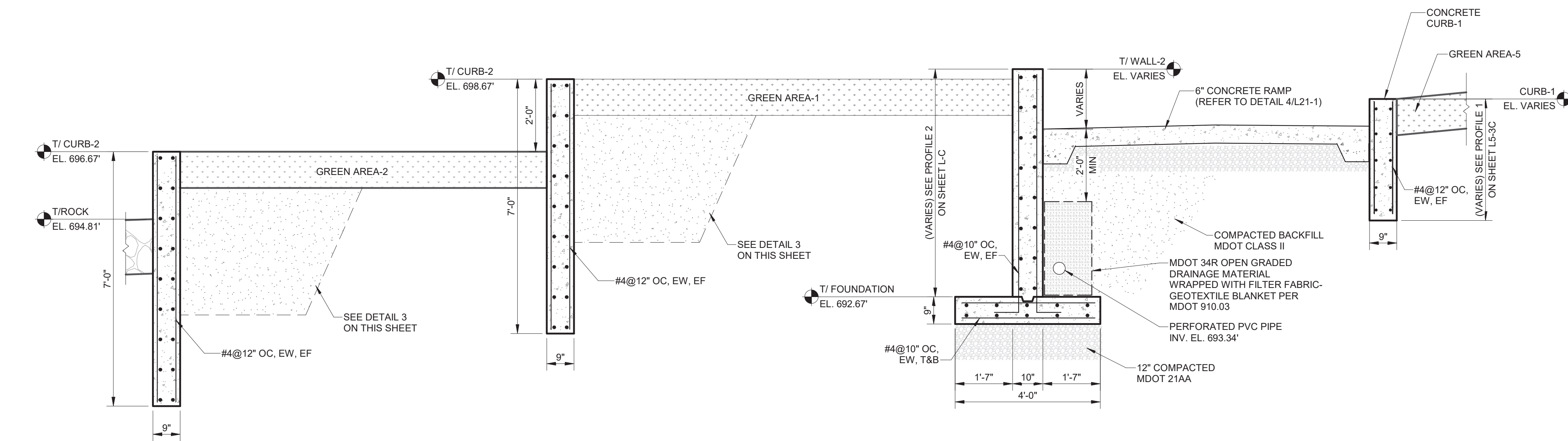
1 WALL-1 & WALL-2 SECTION
SCALE: 1/2" = 1'-0"



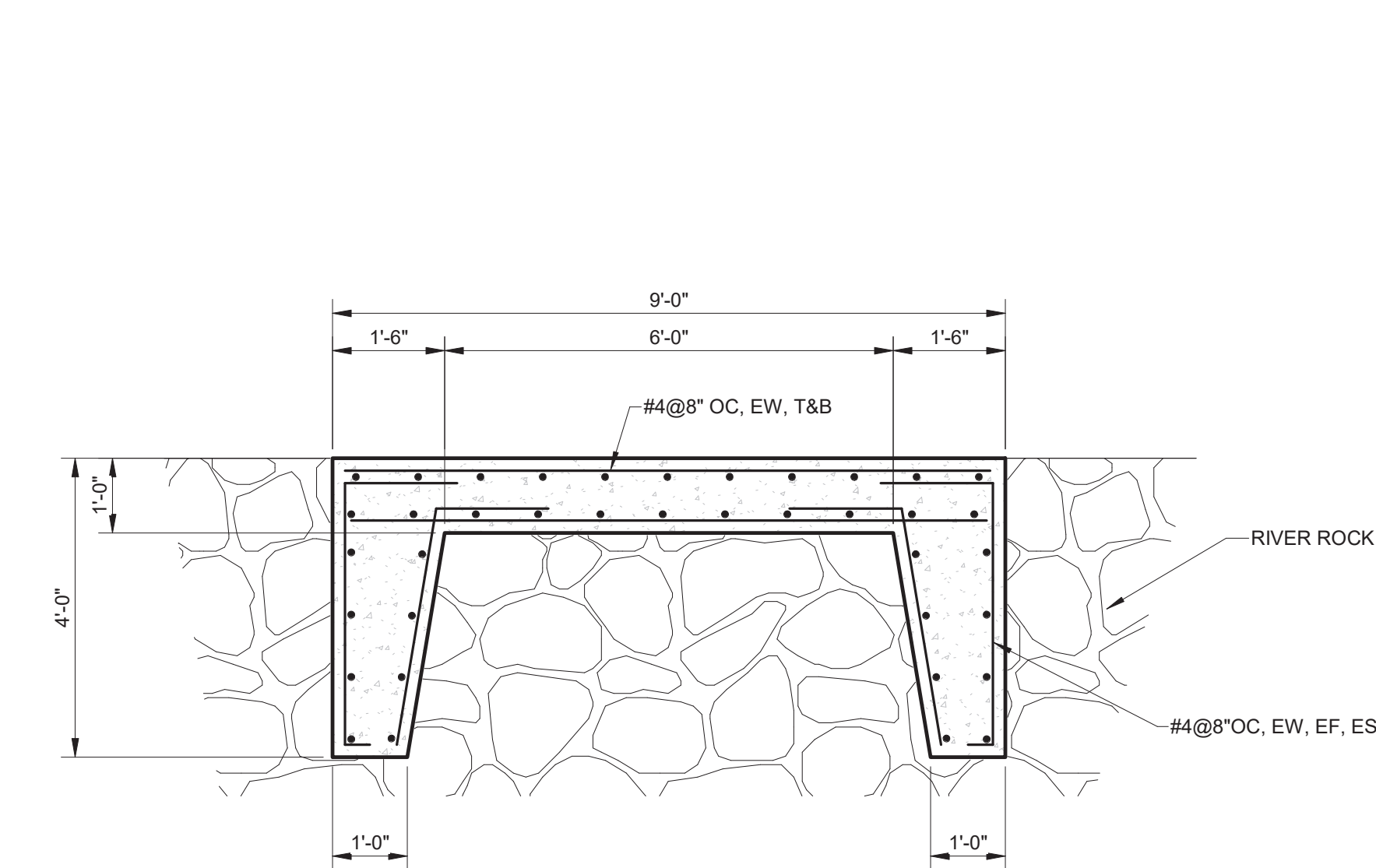
2 CONCRETE RIVER RAMP SECTION
SCALE: 1/2" = 1'-0"



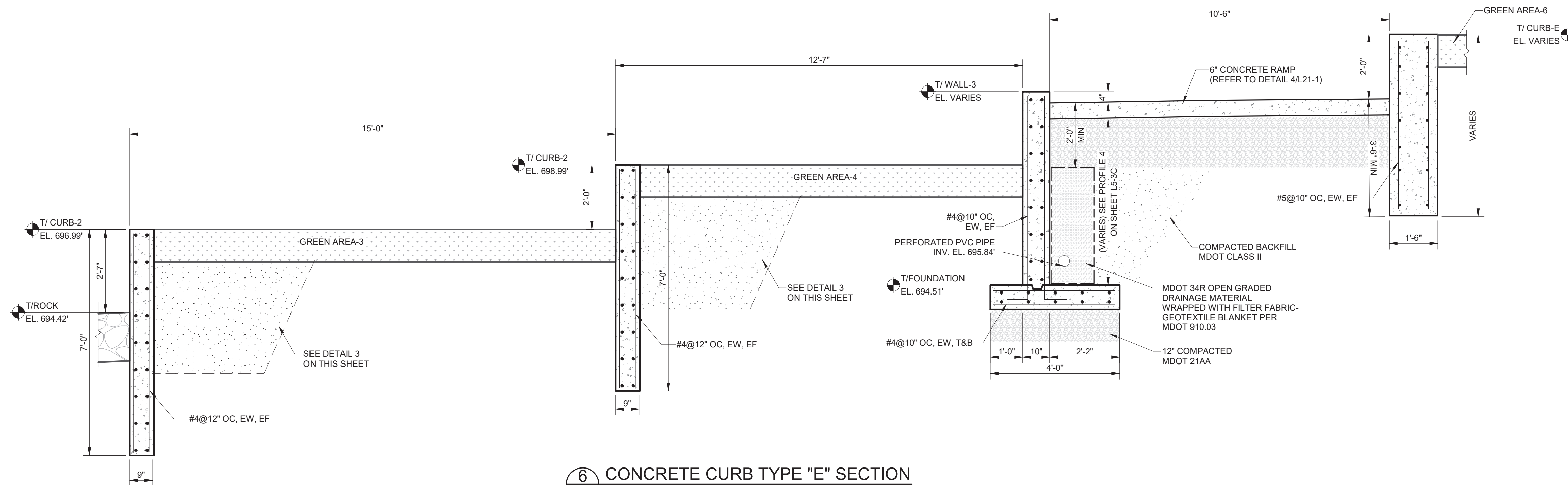
3 TYPICAL REINFORCED BACKFILL AND CONCRETE CURB DETAIL
SCALE: 1/2" = 1'-0"



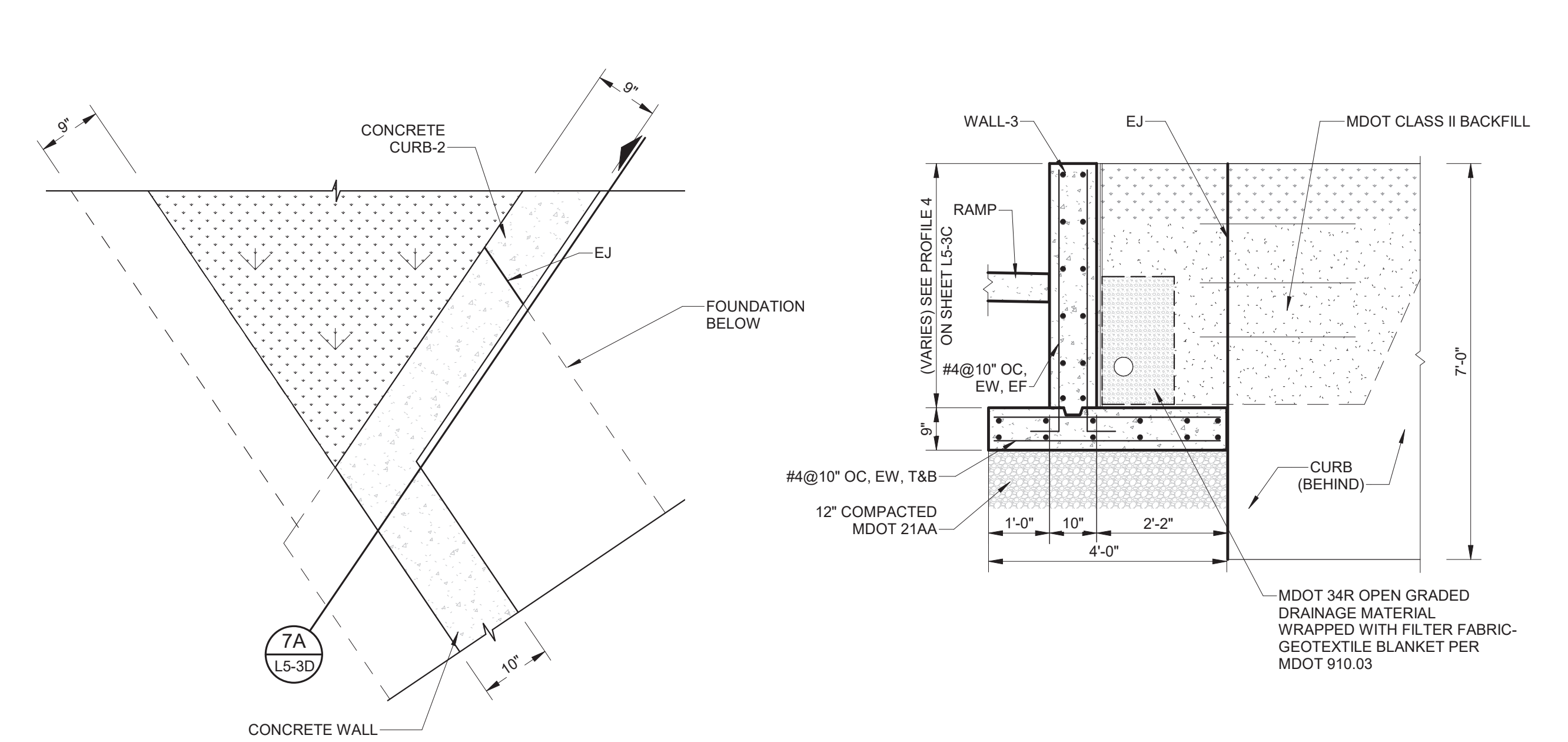
4 CONCRETE RIVER RAMP SECTION
SCALE: 1/2" = 1'-0"



5 CONCRETE RAMP AT RIVER DETAIL
SCALE: 1/2" = 1'-0"



6 CONCRETE CURB TYPE "E" SECTION
SCALE: 1/2" = 1'-0"



7 TYPICAL CONNECTION DETAIL I
SCALE: 3/4" = 1'-0"

7A TYPICAL CONNECTION DETAIL II
SCALE: 1/2" = 1'-0"

PROJECT MANAGER: 10/17/2024 9:14:53 AM
10/17/2024 9:14:53 AM
S: R19.rvt
PROJECT MANAGER: 10/17/2024 9:14:53 AM

REV#	DATE	DESCRIPTION	BY



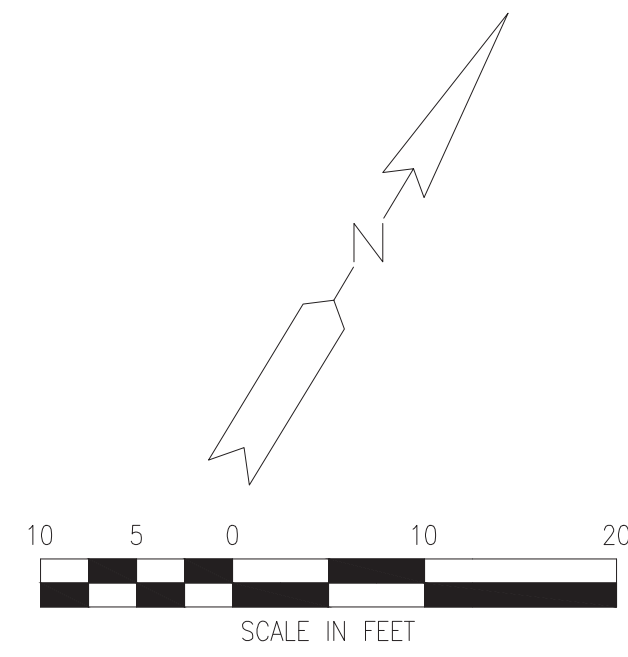
GENESSEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
AMPHITHEATER BLOCK
STRUCTURAL SECTIONS AND DETAILS

ISSUED FOR: DATE: BY: JOB NO: GPA200301F
WB 10/23/24 G
SHEET L5-3D

FLINT RIVER RESTORATION

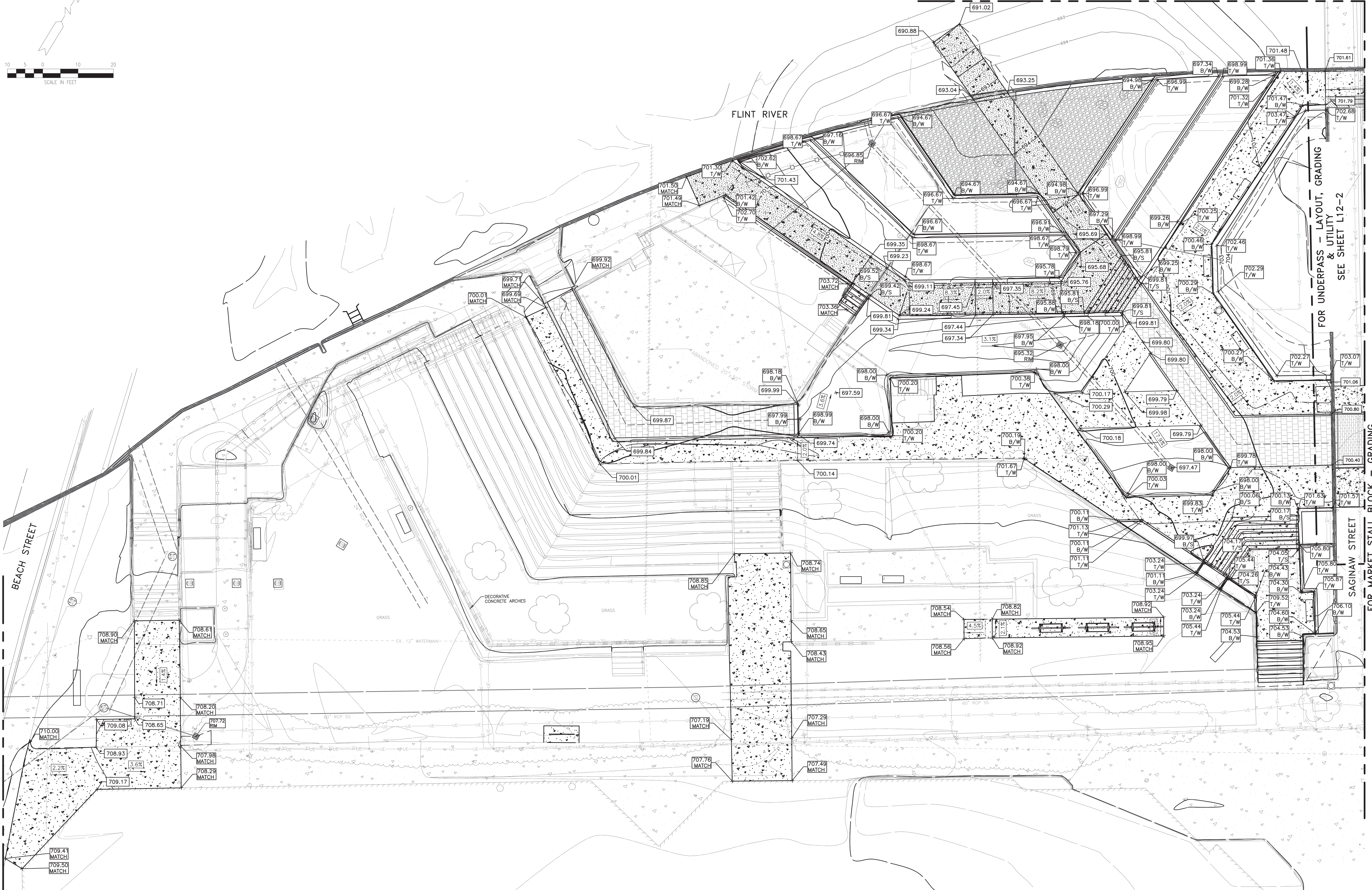
FOR GRAND FOUNTAIN BLOCK - GRADING
SEE SHEET L6-4



FOR PLAYGROUND BLOCK - NORTH GRADING
SEE SHEET L3-4

FOR UNDERPASS - LAYOUT, GRADING & UTILITY
SEE SHEET L12-2

FOR MARKET STALL BLOCK - GRADING
SEE SHEET L8-4



PROJECT MANAGER: JAMES WHEALEY; DESIGNER: JAMES WHEALEY; DATE: 10/24/2024; 8:11 AM; BY: WHEALEY, RUSSELL; C:\WORK\2024\01\01\30\GPA-PLUS-GRADING-PARK_BLOCKS.DWG - L5-4 - PLOTTED: 10/24/2024 8:11 AM



REV#	DATE	DESCRIPTION	BY



GENESSEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION - PHASE 2
AMPHITHEATER BLOCK - GRADING

ISSUED FOR:	DATE:	BY:
FB	10/23/24	SAL

JOB NO.	GPA200301F
SHEET	L5-4

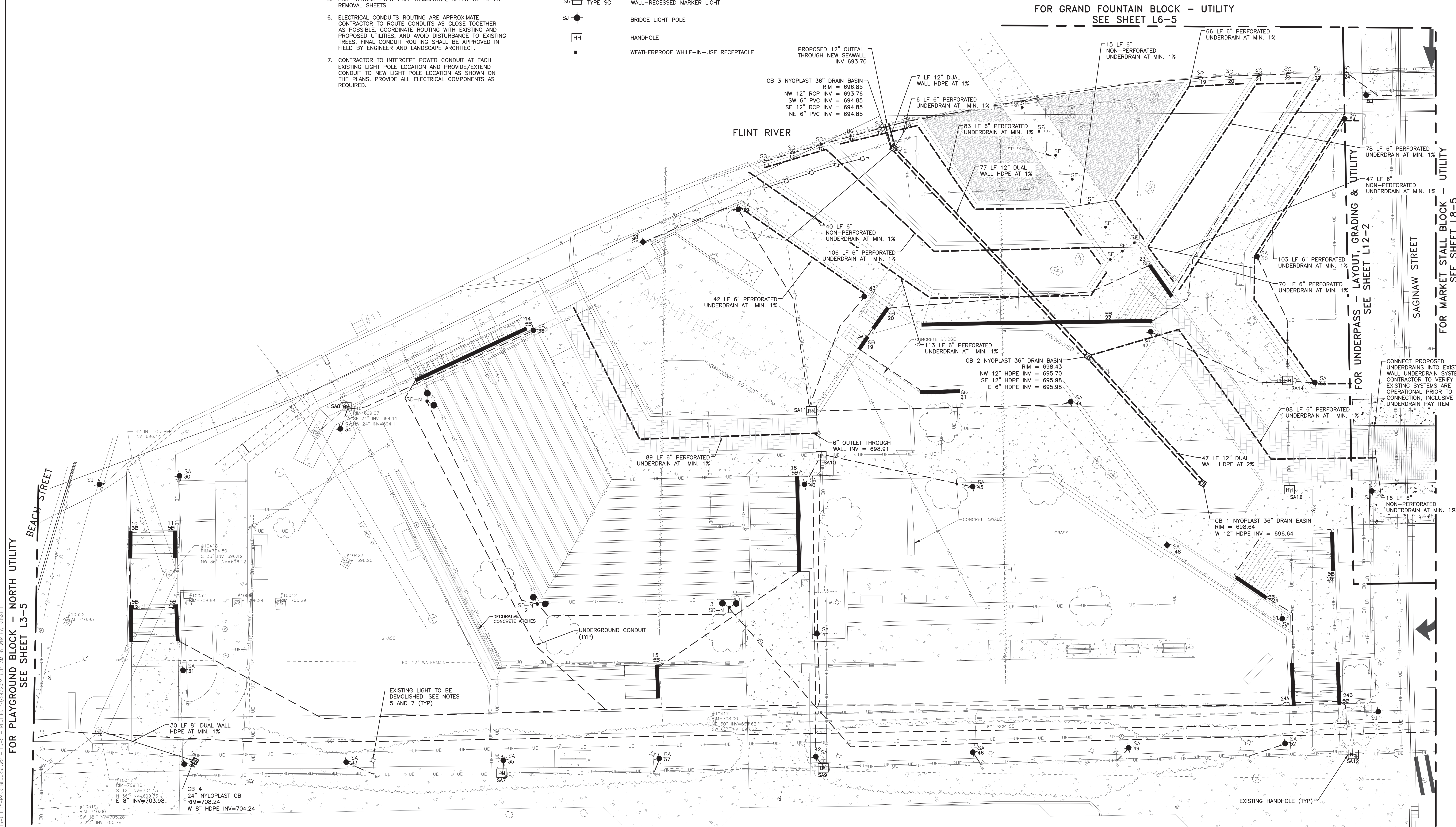
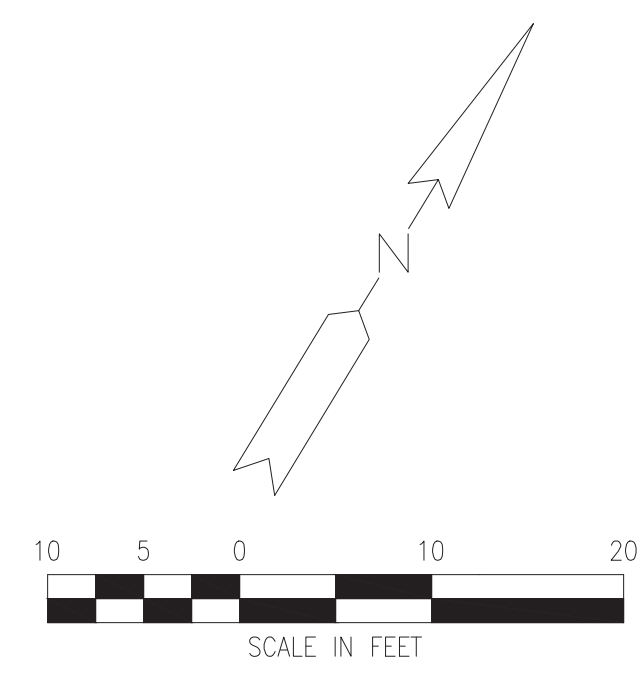
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GENERAL NOTES

- REFER TO SHEETS E1-7 THRU E1-9 FOR LIGHTING SCHEDULE AND DETAILS.
- REFER TO LIGHTING DIAGRAMS ON SHEETS E1-1 THRU E1-6 FOR CONDUIT/WIRING SIZES.
- ROUTE NEW UNDERGROUND CONDUIT AS CLOSE AS POSSIBLE TO NEW SIDEWALK. COORDINATE WITH ANY EXISTING UTILITIES TO AVOID CONFLICTS. CONDUITS SHALL ALSO AVOID EXISTING TREES AND DRIP LINES WHEREVER POSSIBLE. CONFIRM CONDUIT ROUTING IN FIELD WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. REFER TO LIGHTING DIAGRAMS FOR CONDUIT/WIRES SIZES.
- PROVIDE HANDHOLES AS REQUIRED PER THE NATIONAL ELECTRICAL CODE.
- FOR EXISTING LIGHT POLE DEMOLITION, REFER TO L5-2A REMOVAL SHEETS.
- ELECTRICAL CONDUITS ROUTING ARE APPROXIMATE. CONTRACTOR TO ROUTE CONDUITS AS CLOSE TOGETHER AS POSSIBLE. COORDINATE ROUTING WITH EXISTING AND PROPOSED UTILITIES, AND AVOID DISTURBANCE TO EXISTING TREES. FINAL CONDUIT ROUTING SHALL BE APPROVED IN FIELD BY ENGINEER AND LANDSCAPE ARCHITECT.
- CONTRACTOR TO INTERCEPT POWER CONDUIT AT EACH EXISTING LIGHT POLE LOCATION AND PROVIDE/EXTEND CONDUIT TO NEW LIGHT POLE LOCATION AS SHOWN ON THE PLANS. PROVIDE ALL ELECTRICAL COMPONENTS AS REQUIRED.

LIGHTING LEGEND

- SA ● TYPE SA LIGHT POLE
- SB ■ TYPE SB HANDRAIL LIGHTS
- SC ■ TYPE SC IN-GRADE AT TUNNELS
- SD-N ● TYPE SD-N NEW FEATURE LIGHTING POLE + NEW FLOODLIGHTS
- SD-R ● TYPE SD-R RELOCATED FEATURE LIGHTING POLE + NEW FLOODLIGHTS
- SD-E ● TYPE SD-E EXISTING POLE + NEW FLOODLIGHTS
- SE ● TYPE SE LIGHTED BOLLARD
- SF ● TYPE SF SOLAR MARKER LIGHT
- SG ■ TYPE SG WALL-RECESSED MARKER LIGHT
- SJ ● TYPE SJ BRIDGE LIGHT POLE
- HH ■ HANDHOLE
- WEATHERPROOF WHILE-IN-USE RECEPTACLE



FOR GRAND FOUNTAIN BLOCK – UTILITY
SEE SHEET L6-5

FOR UNDERPASS – LAYOUT, GRADING & UTILITY
SEE SHEET L12-2

FOR MARKET STALL BLOCK
SEE SHEET L8-5

FOR PLAYGROUND BLOCK – NORTH UTILITY
SEE SHEET L3-5

CONNECT PROPOSED UNDERDRAINS INTO EXISTING WALL UNDERDRAIN SYSTEMS. CONTRACTOR TO VERIFY EXISTING SYSTEMS ARE OPERATIONAL PRIOR TO CONNECTION. INCLUDE TO UNDERDRAIN PAY ITEM.

PROJECT MANAGER: [Name], DESIGNER: [Name], DATE: 10/23/24



REV#	DATE	DESCRIPTION	BY

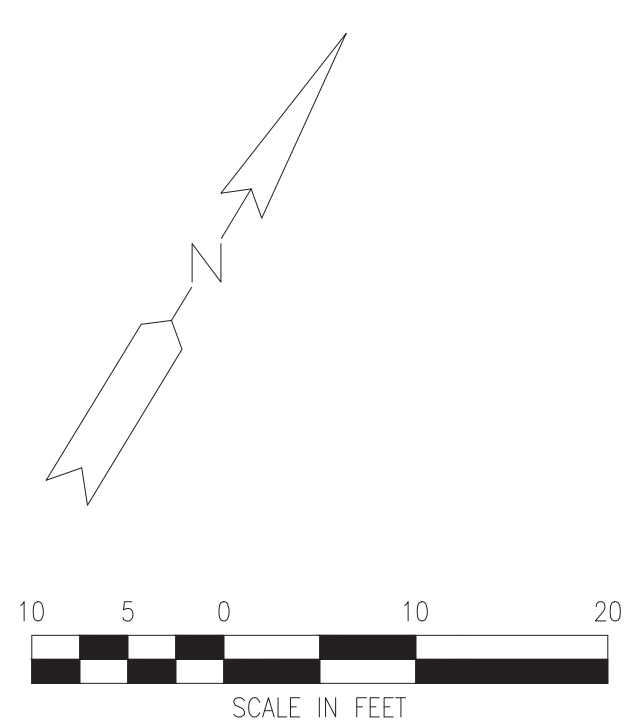


GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION – PHASE 2
AMPHITHEATER BLOCK – UTILITY

ISSUED FOR: [Name]	DATE: 10/23/24	BY: [Name]
JOB NO. GPA200301F		
SHEET L5-5		

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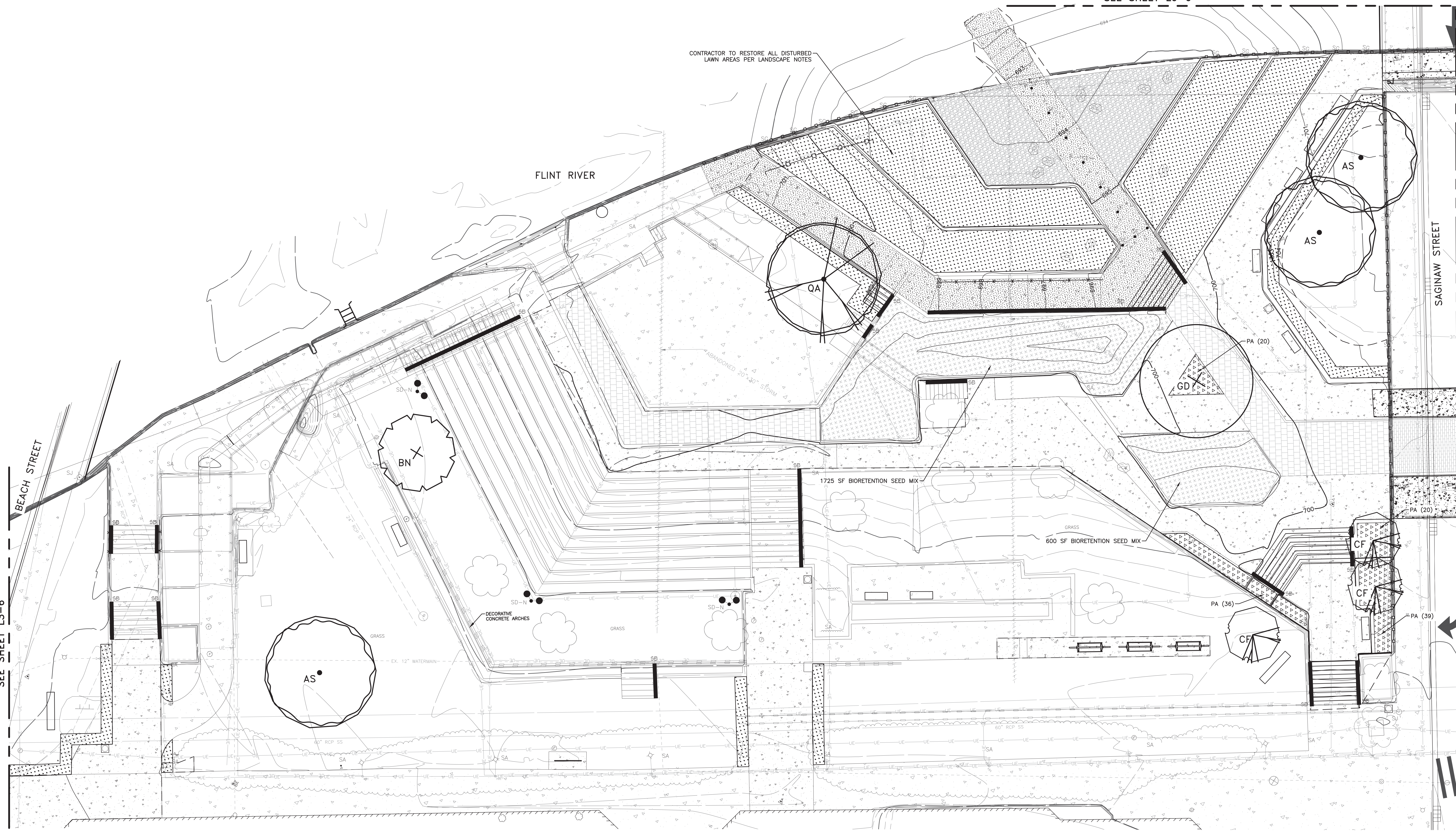
FOR GRAND FOUNTAIN BLOCK – LANDSCAPE
SEE SHEET L6-6

FOR L3-6 – PLAYGROUND BLOCK – NORTH LANDSCAPE
SEE SHEET L3-6

FOR MARKET STALL BLOCK – LANDSCAPE
SEE SHEET L8-6

CONTRACTOR TO RESTORE ALL DISTURBED
LAWN AREAS PER LANDSCAPE NOTES

FLINT RIVER



PROJECT MANAGER: JAMES WEAVER; DESIGNER: JAMES WEAVER; DATE: 10/24/2024; PLOTTED: 10/24/2024 8:12 AM BY: WHALEY, RUSSELL; C:\P\WORK\24061530_CSPF-PLUS-LANDSCAPE-PARK_BLOCKS.DWG - L5-6



REV#	DATE	DESCRIPTION	BY



GENESEE COUNTY PARKS & REC
5045 E. STANLEY ROAD
FLINT, MI 48506

FLINT RIVERFRONT RESTORATION – PHASE 2
AMPHITHEATER BLOCK – LANDSCAPE

ISSUED FOR: FB
DATE: 10/23/24
BY: SAL

JOB NO.: GPA200301F
SHEET: L5-6

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