INDEX OF SHEETS					
SHEET NO.	DESCRIPTION				
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2	FORT ST-GENERAL PLAN OF STRUCTURE				
3	FORT ST-EXPANSION JOINT DETAILS				
4	SPRUCE ST-GENERAL PLAN OF STRUCTURE				
5	SPRUCE ST-EXPANSION JOINT DETAILS				
6	W PORTAGE AVE-GENERAL PLAN OF STRUCTURE				
7	W PORTAGE AVE-EXPANSION JOINT DETAILS				
8	RIVERSIDE DR-GENERAL PLAN OF STRUCTURE				
9	RIVERSIDE DR-SECTION				
10	BINGHAM AVE-GENERAL PLAN OF STRUCTURE				
11	BINGHAM AVE-EXPANSION JOINT DETAILS				
12	JOHNSTON ST-GENERAL PLAN OF STRUCTURE				
13	JOHNSTON ST-EXPANSION JOINT DETAILS				
14	JOHNSTON ST-EXPANSION JOINT DETAILS				

# CITY OF SAULT STE. MARIE

## BRIDGE STRUCTURE NO.

FORT ST.: ST. NO. 1673 RIVERSIDE DR.: ST. NO. 1676
SPRUCE ST.: ST. NO. 1675 BINGHAM AVE.: ST. NO. 1677
W. PORTAGE AVE.: ST. NO. 1679 JOHNSTON ST.: ST. NO. 1678

PLANS OF PROPOSED BRIDGE PREVENTATIVE MAINTENANCE

# BRIDGE PREVENTATIVE MAINTENANCE

SECTIONS 5, 6 & 9, T47N - R1E, SAULT STE MARIE CHIPPEWA COUNTY, MICHIGAN

BID NUMBER: B-06-24

UTILITIES

THE EXISTING UTILITIES LISTED BELOW AND SHOWN ON THESE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AS OBTAINED ON OUR SURVEYS. THIS INFORMATION DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO BE SATISFIED AS TO IT'S ACCURACY AND THE LOCATION OF EXISTING UTILITIES.

NAME OF OWNER

CITY OF SAULT MARIE
ATTN: JIM MOREAU

1244 E. EASTERDAY AVENUE
SAULT STE. MARIE, MI 49783

NAT GAS

**ELECTRIC** 

FORT ST.

W. PORTAGE AVE.

CHARTER COMMUNICATIONS
ATTN: CRAIG PURPLE, CONSTRUCTION COORDINATOR
2682 ASHMUN STREET

SAULT STE. MARIE, MI 49783
PHONE (906) 635-3102 EXT: 13912
CELL (906) 440-1005
E-MAIL: craig.purple@charter.com

PHONE (906) 632-3531

<u>DTE ENERGY</u> ATTN: RICK ACKERMAN 1125 E. EASTERDAY AVENUE SAULT STE. MARIE, MI 49783

1125 E. EASTERDAY AVENUE SAULT STE. MARIE, MI 49783 PHONE (906) 632-3330 CELL (906) 630 1066

AT&T (SBC AMERITECH)
ATTN: MIKE ANDERSON
310 W. 7th AVENUE
SAULT STE. MARIE, MI 49783
PHONE (906) 632–9901

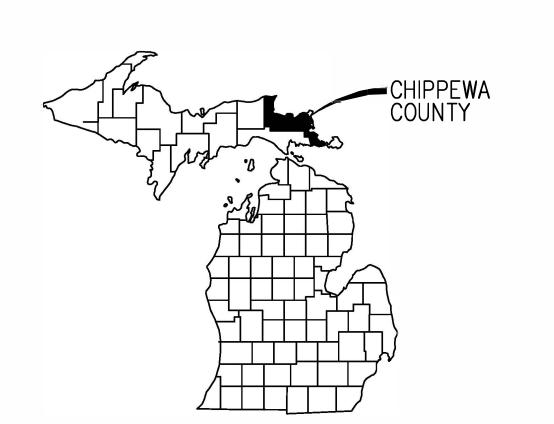
CELL (906) 440-4478
E-MAIL: ma1421@att.com

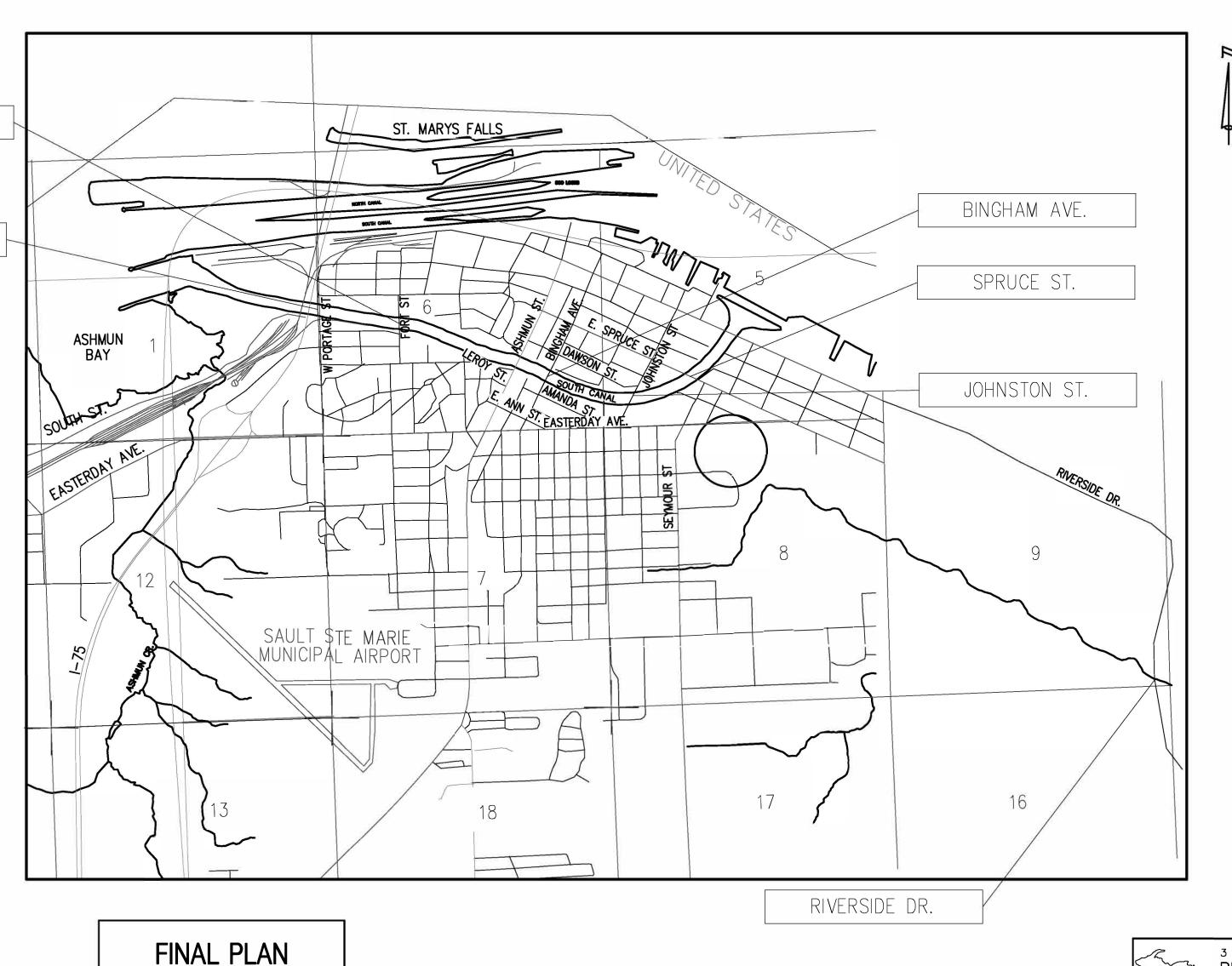
CLOVERLAND - POWER GENERATION
ATTN: ROGER LINE

535 E PORTAGE AVE SAULT STE. MARIE, MI 49783 PHONE (906) 632-5171 CELL (906) 440-7612 E-MAIL: rline@cloverland.com

<u>CLOVERLAND — ELECTRIC SERVICE</u> ELECTRIC ATTN: PAUL WARNER

2916 W M-28
DAFTER, MI 49724
CELL (906) 632-5140
E-MAIL: pwarner@cloverland.com





LOCATION MAP

02.20.2024

3 FULL WORKING DAYS
BEFORE YOU DIG
CALL MISS DIG ®
1-800-482-7171
Member utilities are required to locate
their facilities at no charge to the caller

### **GENERAL NOTES**

EXCEPT WHERE OTHERWISE INDICATED ON THESE PLANS, OR IN THE PROJECT MANUAL AND SUPPLEMENTAL SPECIFICATIONS CONTAINED HEREIN, ALL MATERIALS AND WORKMANSHIP SHALL BE ACCORDING TO THE 2020 MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION EDITION.

ALL KEYNOTES, NOTES AND/OR MAINTENANCE INSTRUCTIONS INCLUDED IN THIS PROJECT ARE INDICATED IN RED.

#### PRINT IN COLOR

#### SHEET KEYNOTES

KEYNOTES ONLY APPLY TO THE SHEETS WHERE INDICATED. EVERY KEYNOTE DOES NOT OCCUR ON EVERY SHEET.

1) CLEAN EXISTING EXPANSION JOINTS USING COMPRESSED AIR, WATER AND/OR VACUUM. COLLECT AND DISPOSE OF DEBRIS AND EFFLUENT. DO NOT CAUSE (FURTHER) DAMAGE TO JOINT COMPONENTS THAT ARE INTENDED TO REMAIN IN PLACE.

2) REPAIR OR REPLACE EXISTING DAMAGED OR MISSING EXPANSION JOINT COVER PLATES AND ASSOCIATED HARDWARE. MATCH EXISTING CONSTRUCTION BASED ON FIELD MEASURMENTS AND EXISTING DRAWINGS. REFER TO MDOT STANDARD PLAN EJ3AF AND SECTIONS 706.02 AND 706.03.K OF THE MDOT 2020 STANDARD SPECIFICATIONS FOR CONSTRUCTION. DO NOT CAUSE (FURTHER) DAMAGE TO JOINT COMPONENTS THAT ARE INTENDED TO REMAIN IN PLACE.

3) CLEAN EXISITNG BRIDGE DECK AND SIDEWALKS USING COMPRESSED AIR, WATER AND/OR VACUUM. COLLECT AND DISPOSE OF DEBRIS AND EFFLUENT. DO NOT DAMAGE EXISTING CONCRETE, JOINT COMPONENTS AND FILLERS, SEALANTS, ETC.

4 ALL BRIDGE CLEANING AND REPAIRS SHALL BE PERFORMED WITH BRIDGES OPEN TO TRAFFIC. MAINTAIN A MINIMUM OF ONE LANE OPEN TO TRAFFIC IN EACH DIRECTION. WHERE TWO SIDEWALKS ARE PRESENT, MAINTAIN AT LEAST ONE SIDEWALK OPEN TO PEDESTRIAN TRAFFIC. PROVIDE ALL NECESSARY DEVICES AND MANPOWER TO SAFELY DIRECT TRAFFIC AROUND WORK ACTIVITIES (BARRELS, CONES, LIGHTS, FLAGGING, SIGNAGE, ETC.) IN COMPLIANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). PROVIDE A WRITTEN TEMPORARY TRAFFIC CONTROL PLAN FOR THE REVIEW AND APPROVAL OF THE ENGINEER WHERE LANE CLOSURES OR ADJUSTMENTS ARE ANTICIPATED. OBTAIN ANY NEEDED PERMITS AND COORDINATE ACTIVITIES WITH THE CITY OF SAULT SAINTE MARIE.

5 CLEAN EXISTING BRIDGE DRAINS BY PULLING UP GRATES AND VACUUMING AND/OR HAND CLEANING SEDIMENT AND DEBRIS FROM DRAINS. TO THE EXTENT POSSIBLE, COLLECT AND DISPOSE OF ACCUMULATED SEDIMENT AND DEBRIS. PROVIDE A FINAL FLUSH OF DRAINS WITH POTABLE WATER AND REPLACE GRATES.

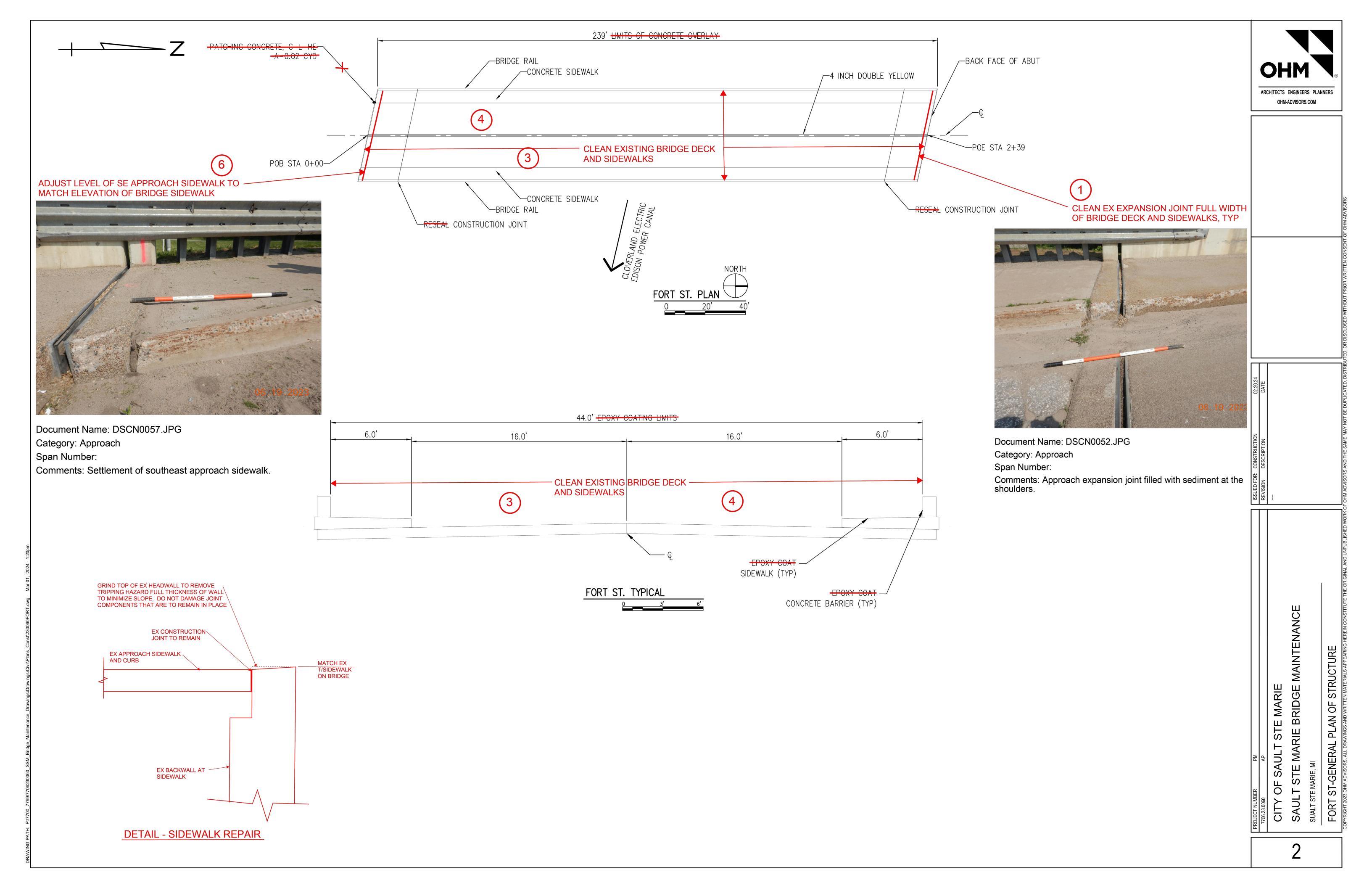
6 ADJUST SURFACE ELEVATION OF EXISTING APPROACH SIDEWALK TO MATCH END OF SIDEWALK ON BRIDGE. GRIND FULL WIDTH OF EXPOSED BACKWALL TO MINIMIZE SLOPE. SEE DETAIL ON SHEET 2.

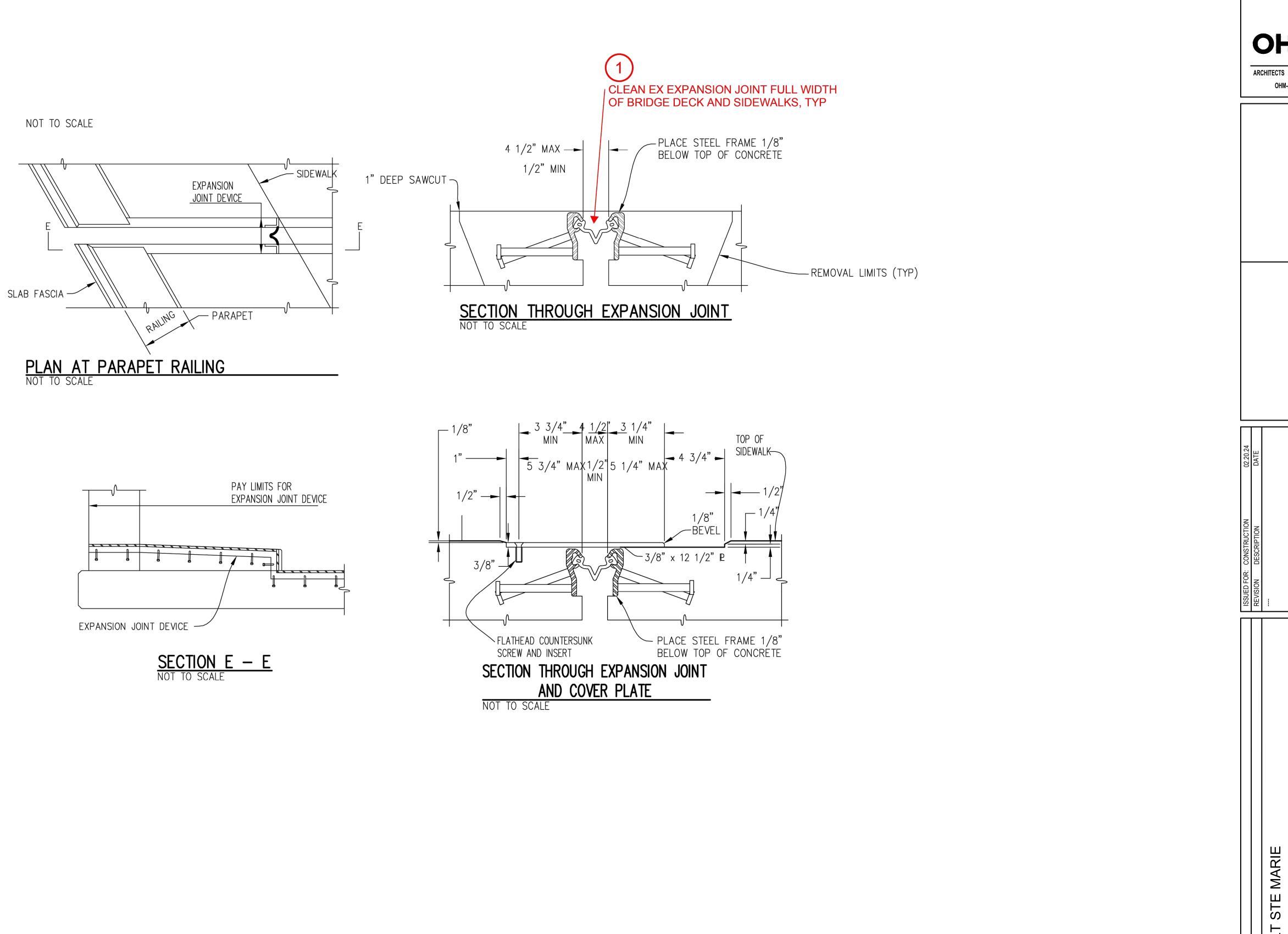
7 REMOVE DEBRIS AND SEDIMENT AT BEARING SEAT ON BRIDGE ABUTMENTS AND DISPOSE OF ACCUMULATED DEBRIS AND SEDIMENT. CLEAN ADJACENT BEARINGS WITH COMPRESSED AIR AND/OR WATER TO ENSURE BEARING FUNCTIONALITY.

8 REPLACE MISSING SCREWS, WASHERS AND LOCK WASHERS ON EXISTING STREET LIGHT BASE HANDHOLE COVERS. IF EXISTING THREADS ARE DAMAGED, DRILL OUT AND RETAP TO LARGER SCREW SIZE. TIGHTEN EXISTING LOUSE SCREWS ON ANCHOR BOLT COVERS, REPLACING SCREWS IF MISSING. ALL SCREWS, WASHERS AND LOCK WASHERS SHALL BE STAINLESS STEEL COMPLYING WITH MDOT 2020 STANDARD SPECIFICATIONS FOR CONSTRUCTION SECTION 918.08.

CONTRACT FOR: CLEANING AND PREVENTATIVE MAINTENANCE.  CITY OF SALIL T STE	E MARIE APPROVAL			
OIT OF OMOET CIE				
CITY ENGINEER	Date			
	Advancing Communities			
	2940 Parkview Drive   Petoskey, MI 49770 p (231) 344-1150   f (734) 522-6427			
PREPARED UNDER TH	HE SUPERVISION OF:			
JAMES E RINTALA LICENSE No. 6201044654	6201044654 Registration No.			
JAMES E. RINTALA, P.E.	Date			
REVIS	SIONS			
PROJECT NO.	SHEET NO.			
7706.23.0060	1 OF 14			

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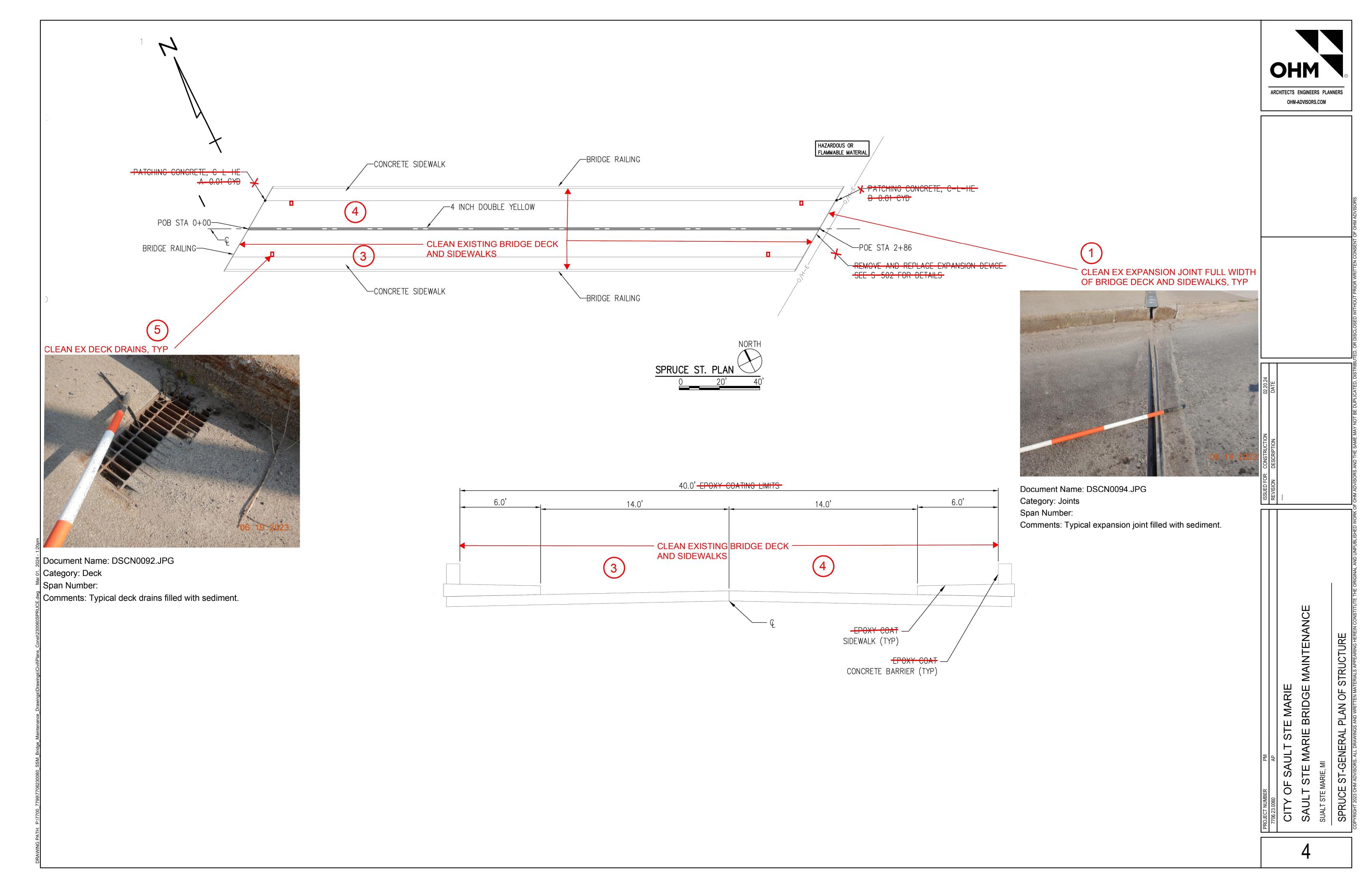


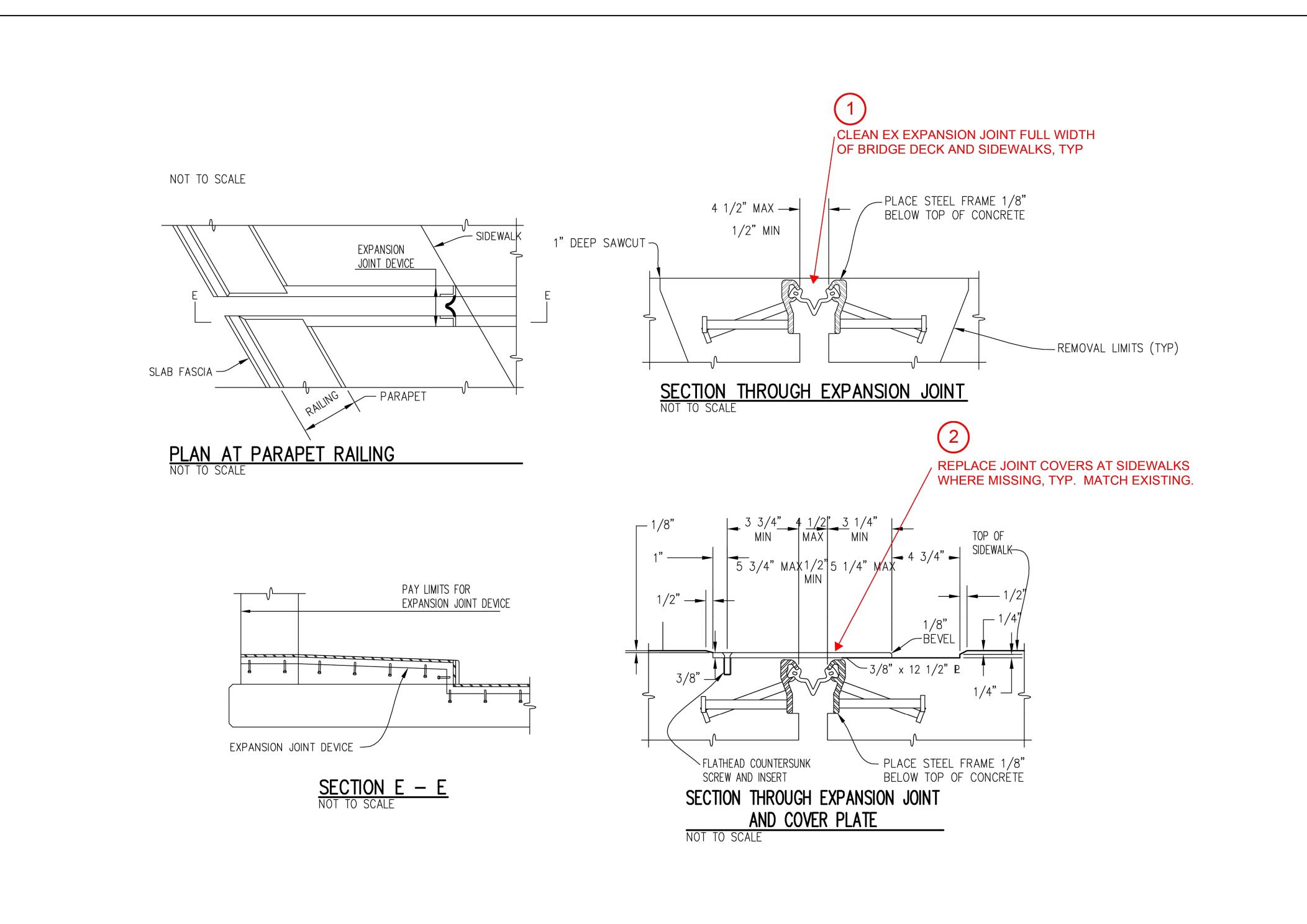
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ISSUED FOR: CONSTRUCTION 02.20.24

REVISION DESCRIPTION DATE
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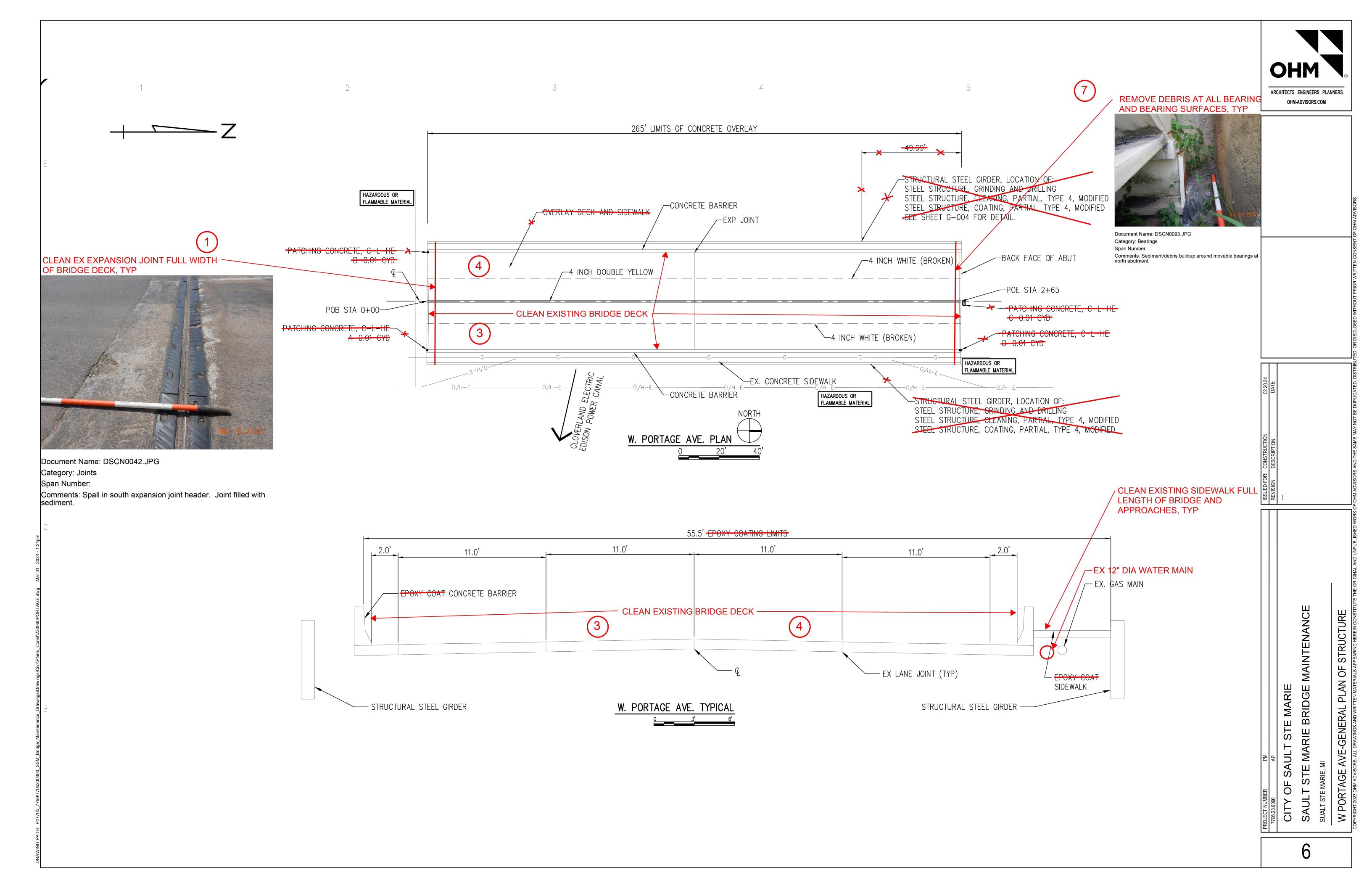
JLT STE MARIE MARIE BRIDGE MAINTENANCE

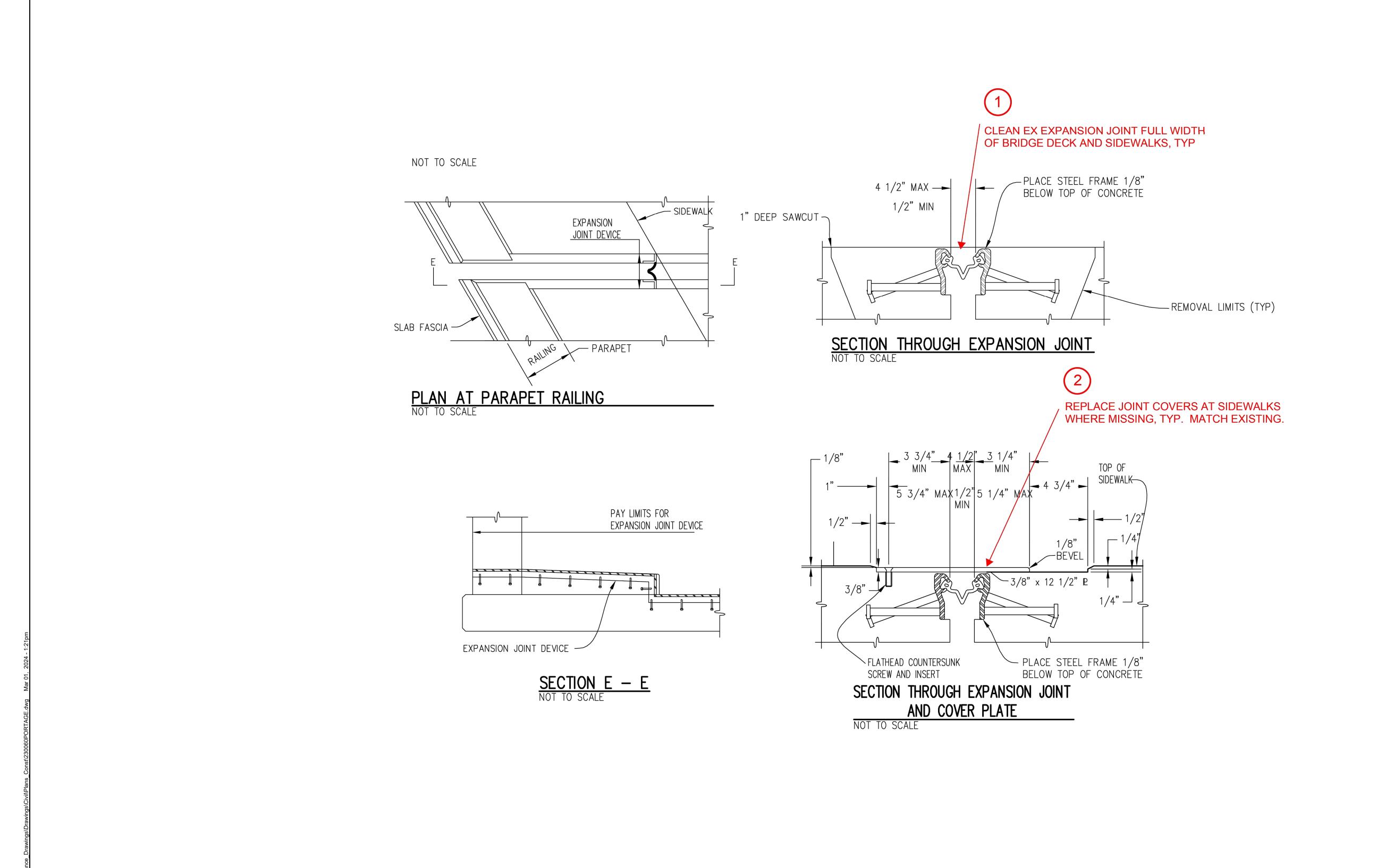






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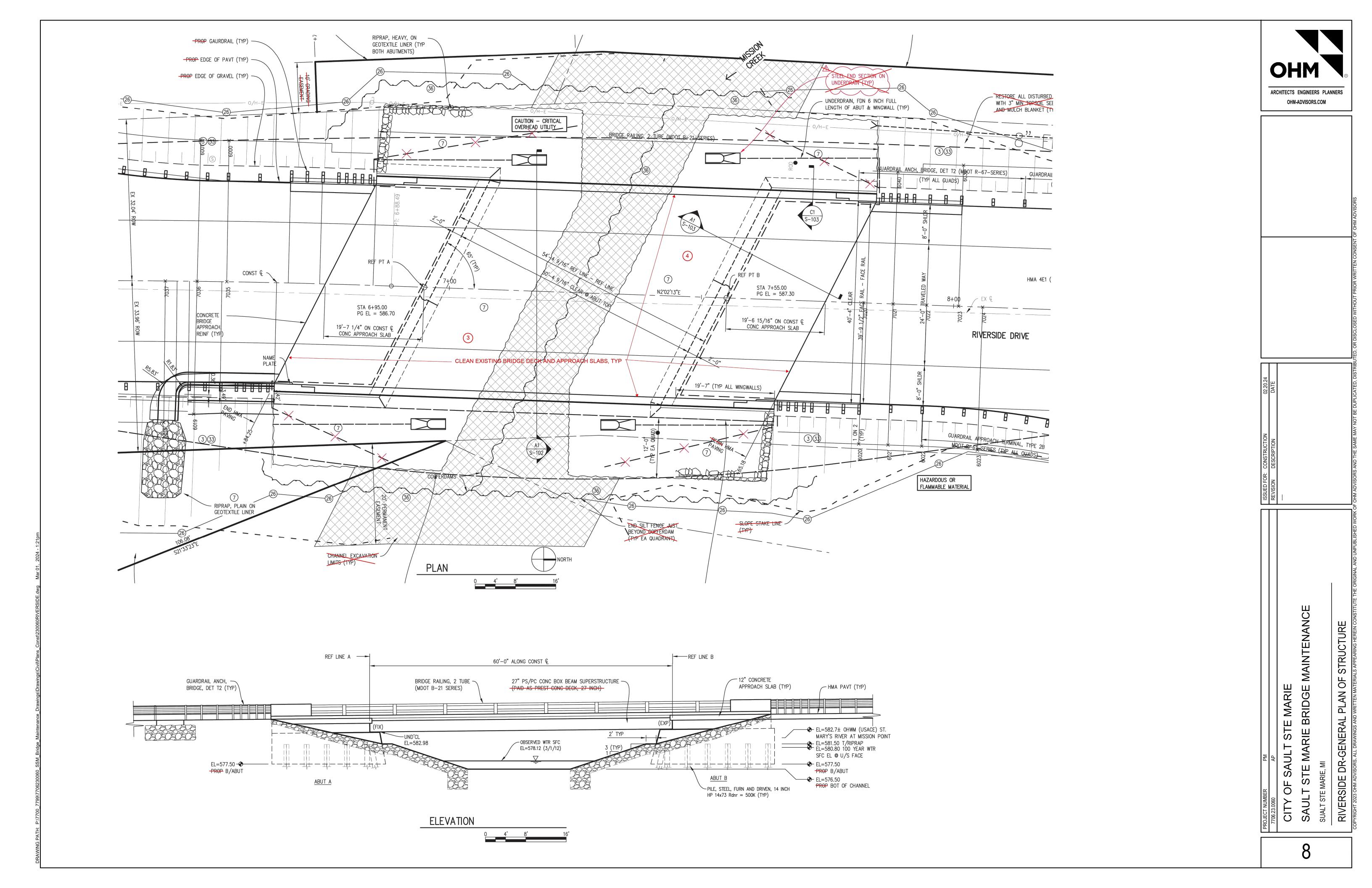
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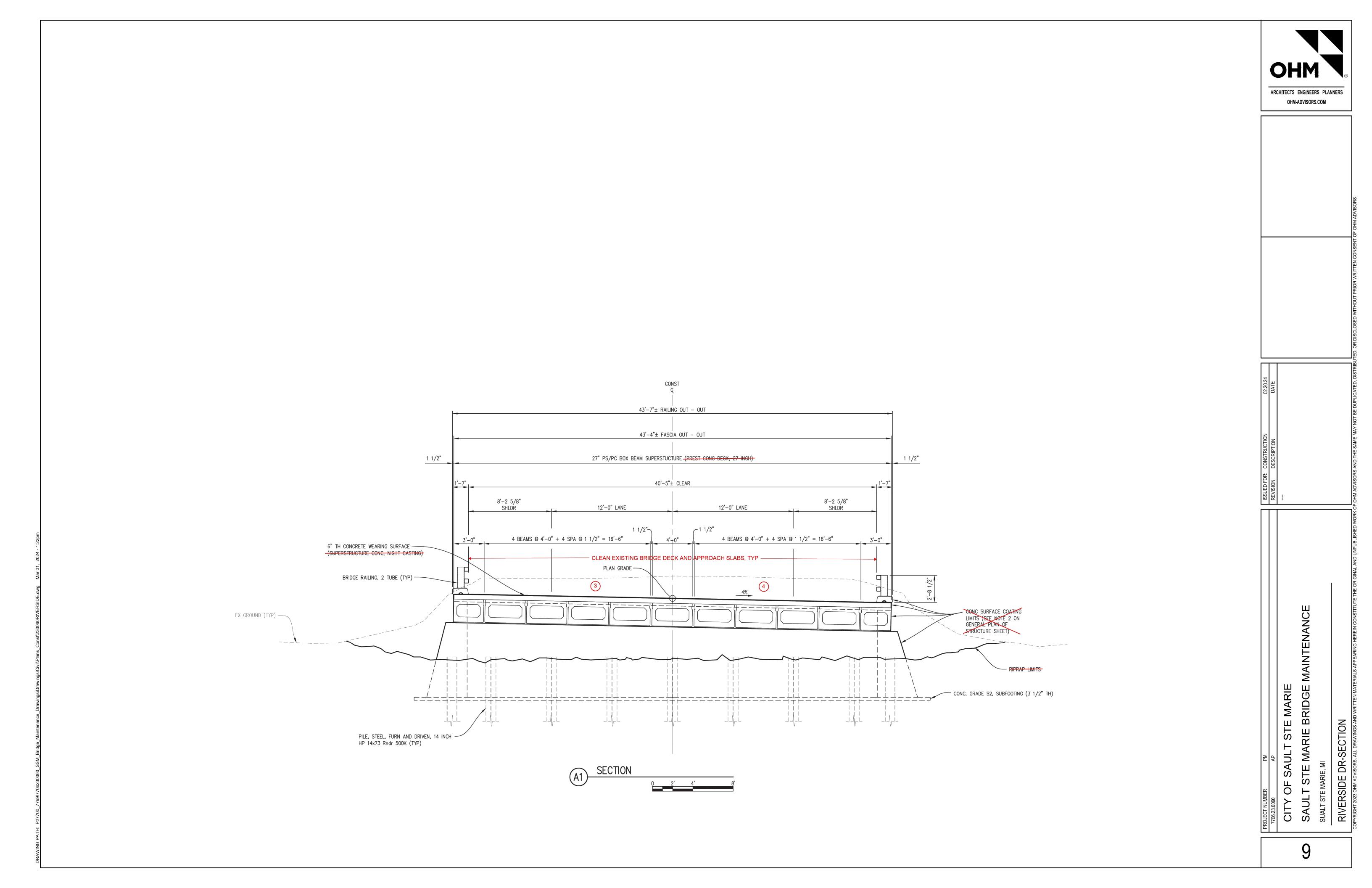
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CITY OF SAULT STE MARIE
SAULT STE MARIE BRIDGE MAINTENANCE
SUALT STE MARIE, MI

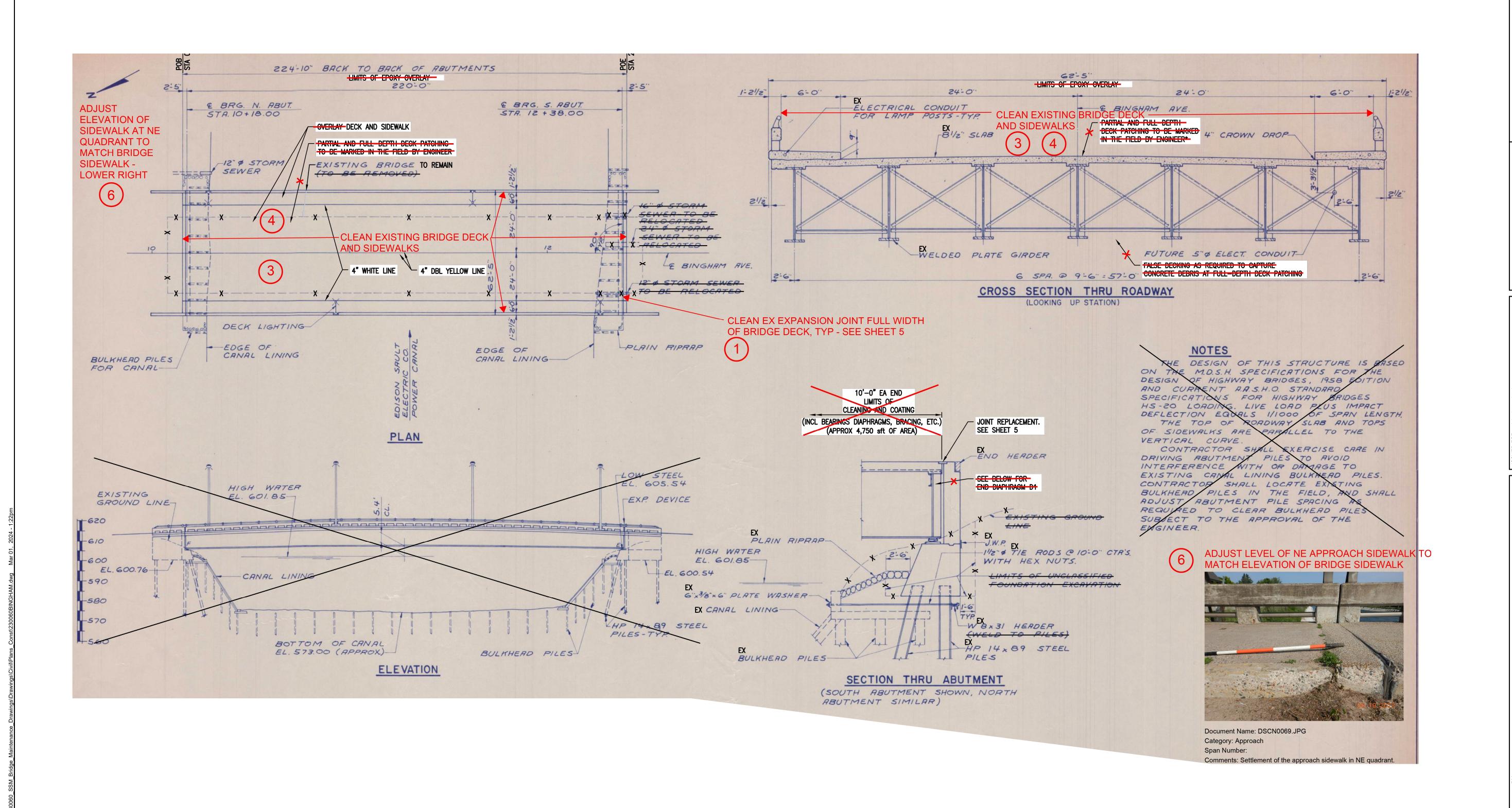
W PORTAGE AVE-EXPANSION JOINT DETAILS PYRIGHT 2023 OHM ADVISORS, ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HERE

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MAINTENANCE

F STRUCTURE

REVISION DESCRIPTION
DATE

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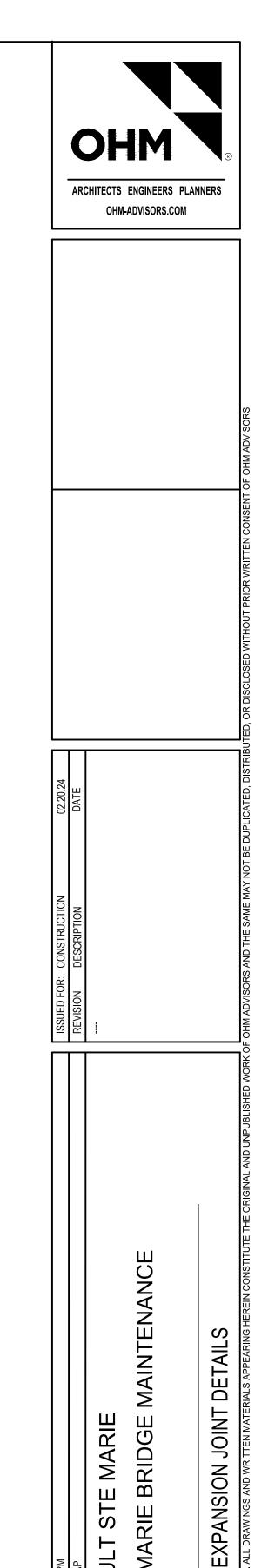
E MARIE BRIDGE

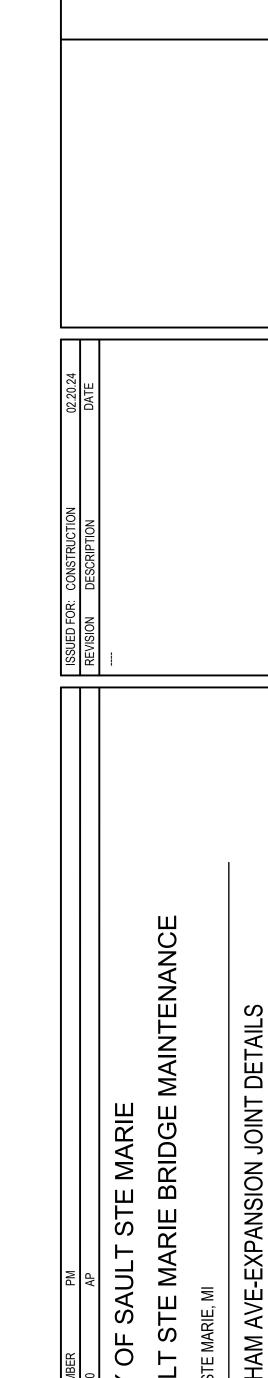
MARIE

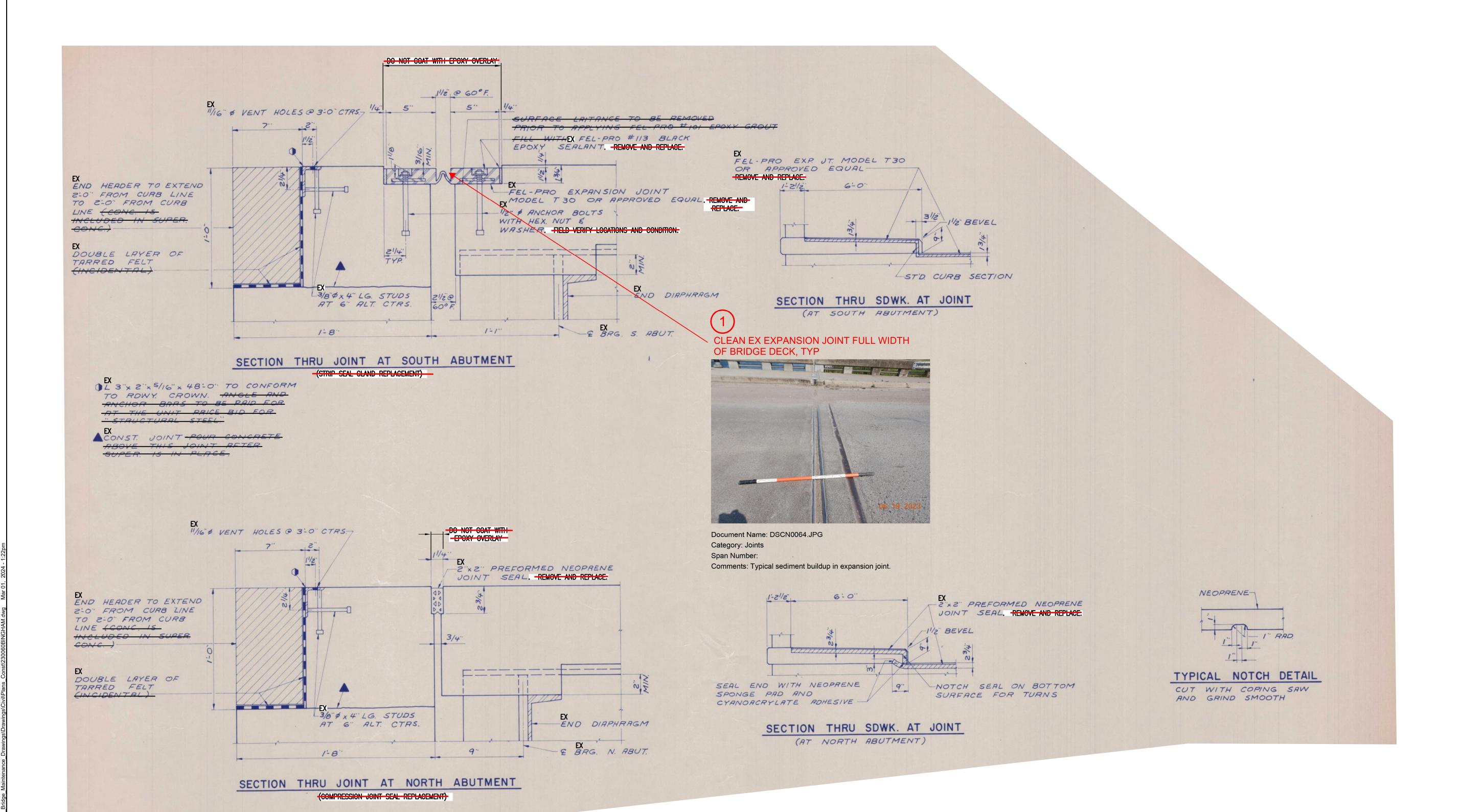
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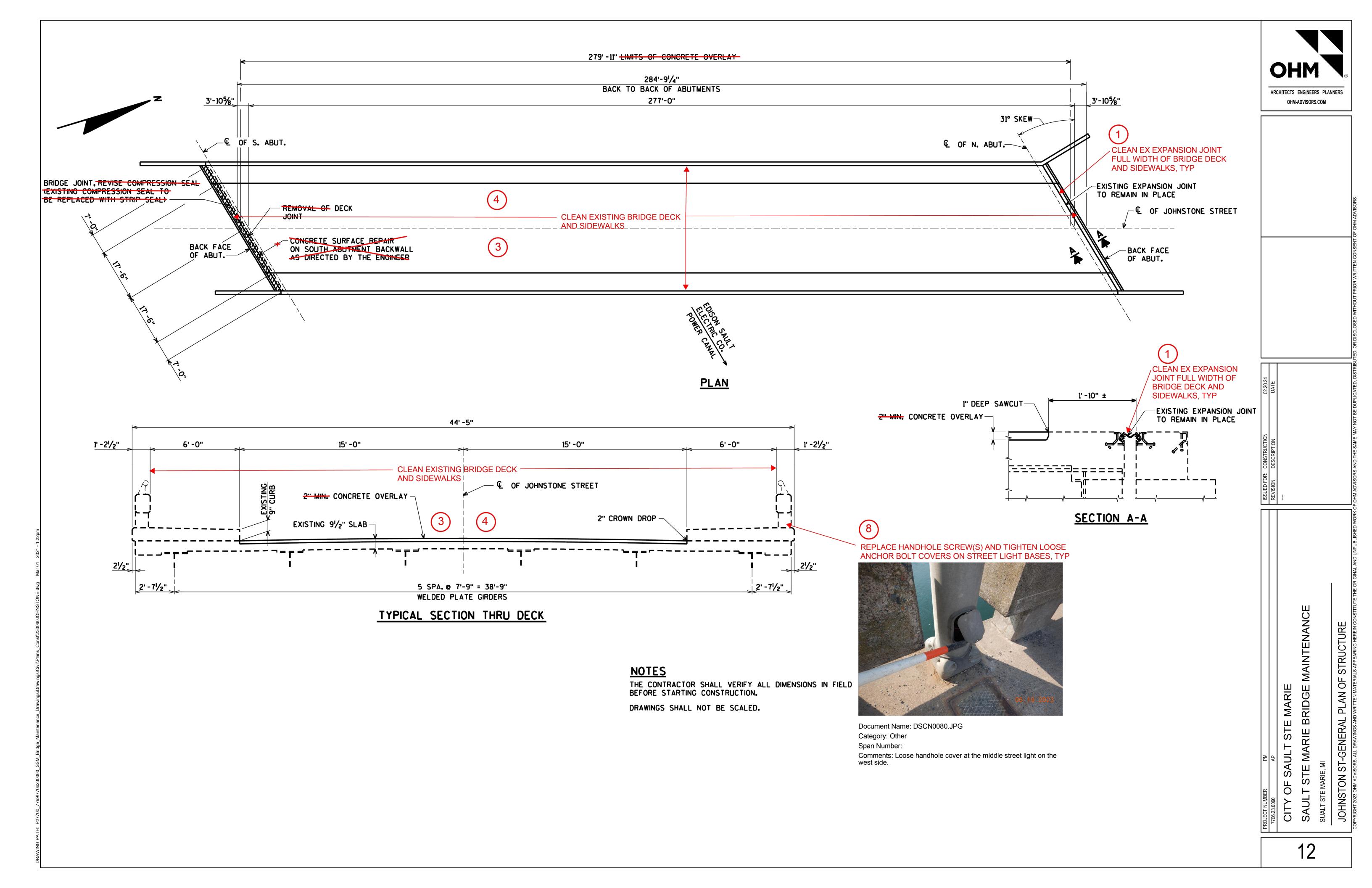
SAUL

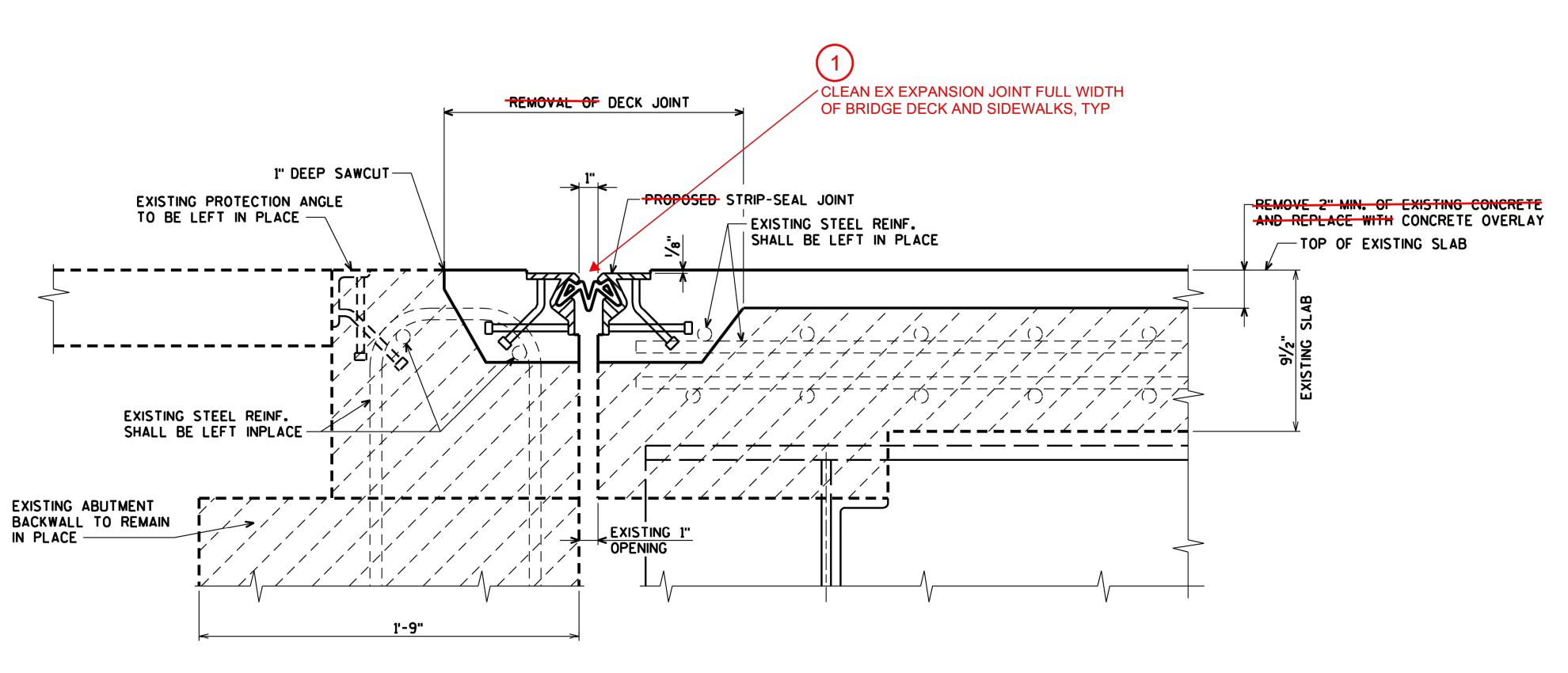
GENERAL PLAN OF



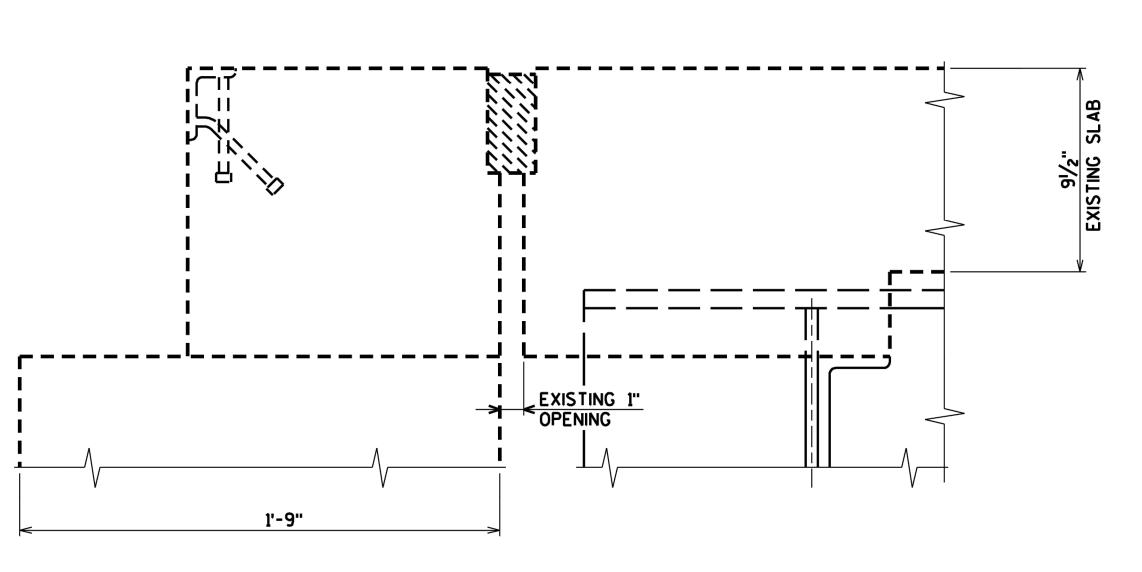








## SECTION THRU JOINT IN ROADWAY



SECTION THRU EXISTING JOINT

### SIDEWALK SECTIONS

ALL STEEL FOR EXPANSION JOINT AND COVER PLATE SHALL BE AASHTO M270. GRADE 36. AND GALVANIZED (ASTM A123) WITH A STATIC COEFFICIENT OF FRICTION OF 0.6 OR GREATER.

USE ASTM F 593 (TYPE 304) STAINLESS STEEL 34" DIAMETER FLATHEAD COUNTERSUNK SCREWS WITH 34" DIAMETER INSERTS.

CAST CURBS AND SIDEWALKS WITH %" SLIDING PLATES IN PLACE TO INSURE—THAT INSERTS AND SCREWS ARE ALIGNED PROPERLY. APPLY BOND BREAKER TO SLIDING PLATES PRIOR TO INSTALLATION.

FORM CONCRETE RECESS AREA IN SIDEWALK AND GRIND TO PROVIDE SMOOTH SURFACE. TOOL OR GRIND CONCRETE EDGES TO 1/4" RADIUS. APPLY ONE COAT OF EPOXY RESIN ADHESIVE TO ALLOW BENT SLIDING PLATE TO MOVE FREELY WITHOUT FRICTION. CARE SHALL BE TAKEN SO THAT NO ADHESIVE COMES IN CONTACT WITH ANY PART OF THE EXPANSION JOINT DEVISE OR GLAND. REMOVE ANY FOREIGN PARTICLES FROM THE SURFACE PRIOR TO INSTALLING PLATES.

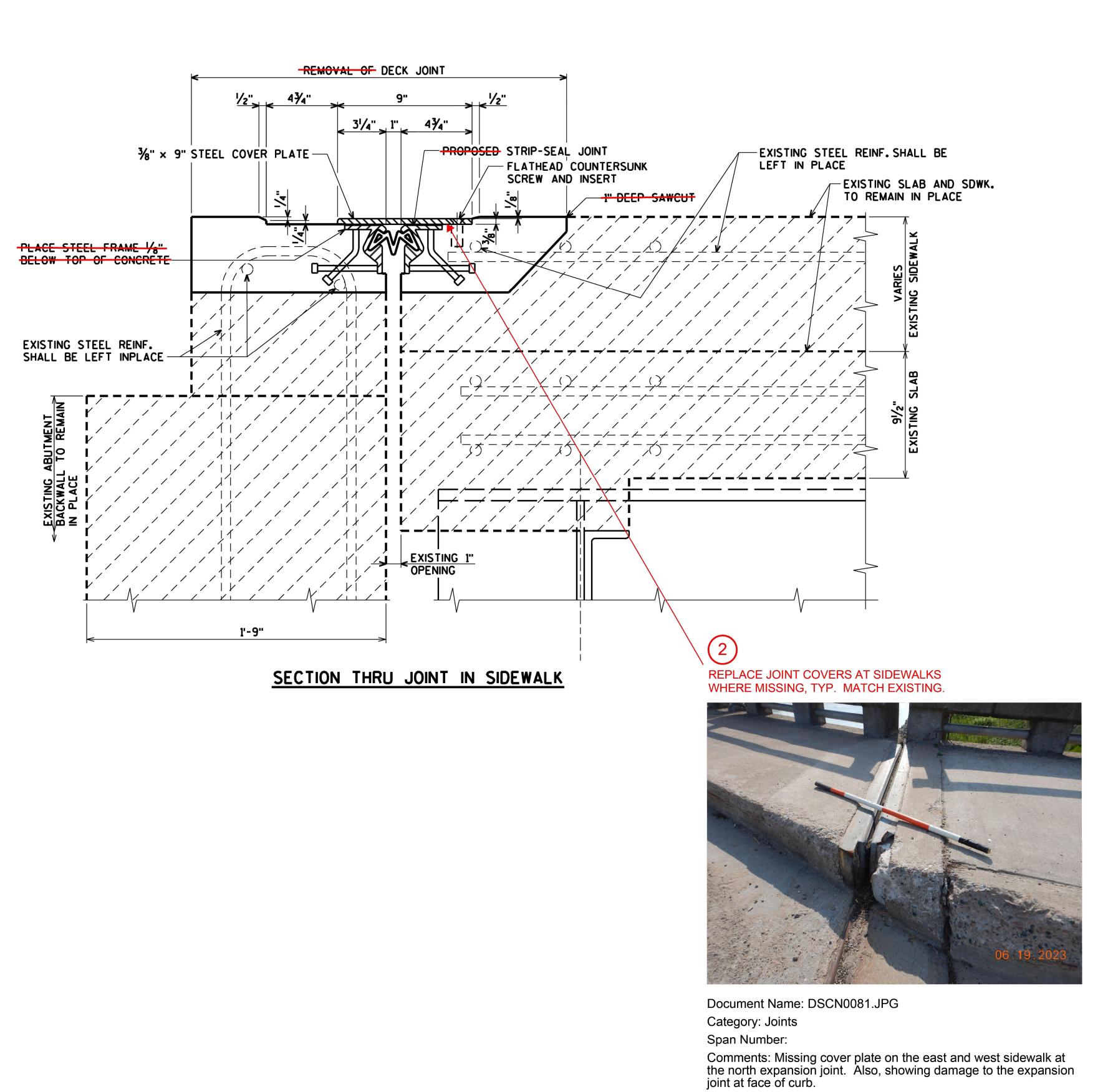
INSTALL PLATES SO THAT THE SCREWS AND INSERTS ARE SET ON THE HIGH SIDE OF LONGITUDINAL SIDEWALK GRADE.

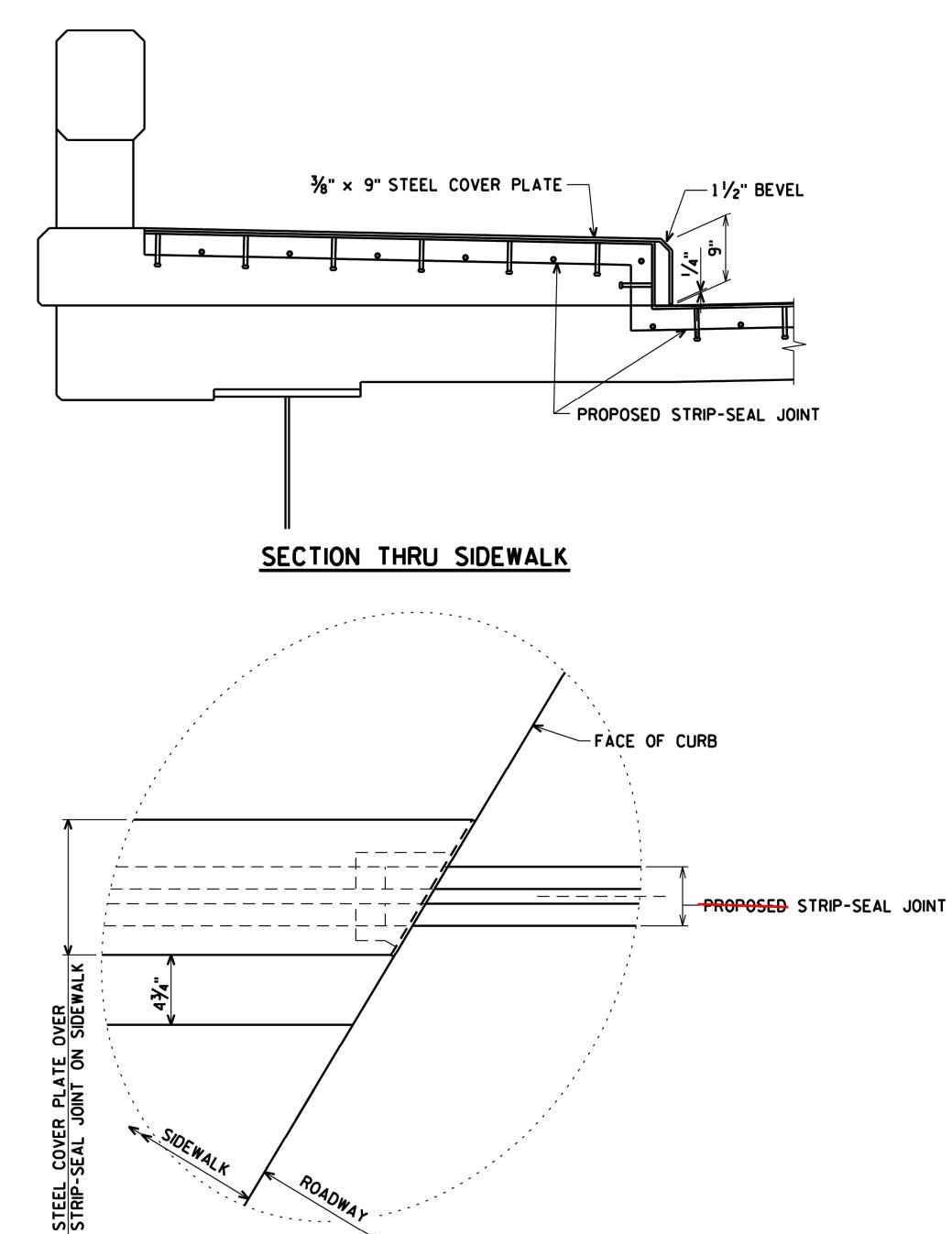
THE COSTS OF ALL MATERIALS AND LABOR REQUIRED FOR PROPER INSTALLATION OF THE COVER PLATE IS INCLUDED IN THE PAYMENT FOR "BRIDGE JOINT, REVISE COMPRESSION SEAL".

ARCHITECTS ENGINEERS PLANNERS OHM-ADVISORS.COM JOHNSTON ST-EXPANSION JOINT DETAILS

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OF





PART PLAN OF SIDEWALK

CITY OF SAULT S
SAULT STE MARI

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