



# CITY OF ANN ARBOR ENGINEERING

## HURON PARKWAY BRIDGE CAPITAL PREVENTIVE MAINTENANCE REPAIRS HURON PARKWAY OVER HURON RIVER

**NOTES:**

EXCEPT WHERE OTHERWISE INDICATED ON THESE PLANS, OR IN THE CONTRACT DOCUMENTS AND DETAILED SPECIFICATIONS CONTAINED HEREIN, ALL MATERIALS AND WORKMANSHIP SHALL BE ACCORDING TO THE LATEST REVISIONS OF THE CITY OF ANN ARBOR PUBLIC SERVICE DEPARTMENT STANDARD SPECIFICATIONS AND THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION 2012 EDITION AS APPLICABLE.

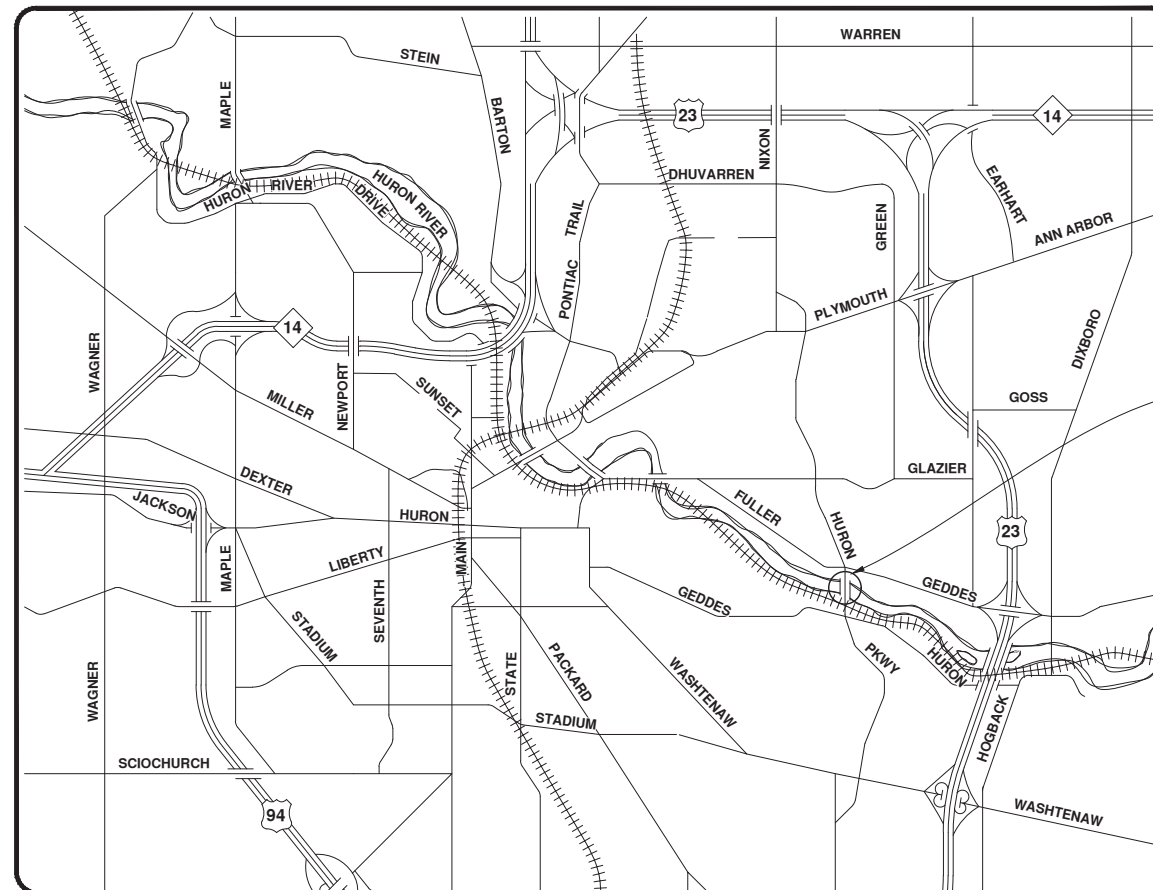
FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.



REV.	DESCRIPTION	DATE	DRAWN	CHECKED

MDOT STANDARD PLANS		
CONSTRUCTION OF THE FOLLOWING ITEMS, WHERE CALLED FOR ON THE PLANS, WILL BE CONSTRUCTED ACCORDING TO MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD PLANS AS INDICATED.		
X	MOLDING, BEVEL, LIGHT STD. ANCHOR BOLT ASSEMBLY AND NAME PLATE DETAILS	B-103-E
TRAFFIC AND SAFETY STANDARD PLANS		
X	TEMPORARY TRAFFIC CONTROL DEVICES	WZD-125-E

CITY OF ANN ARBOR FILE NO. 2021-024



**STR 11074**  
**HURON PARKWAY OVER**  
**HURON RIVER**

**VICINITY MAP**

**ENGINEERING**

PREPARED UNDER THE SUPERVISION OF

*J.D.*

JONATHAN DRUMMOND, P.E.

01-03-2022  
DATE

CITY OF ANN ARBOR  
PUBLIC SERVICE  
301 EAST HURON STREET  
ANN ARBOR, MI 48106  
734-794-6410  
www.a2gov.org



**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
CITY OF ANN ARBOR HURON PARKWAY BRIDGE  
CAPITAL PREVENTIVE MAINTENANCE REPAIRS  
TITLE SHEET

ENGINEER'S SEAL  
PROFILE: NA  
SCALE: NONE  
DRAWING No. 2021-024



**NOTES:**

THE UNDERGROUND LOCATIONS AND DEPTH SHOWN FOR ALL PUBLIC AND PRIVATE UTILITIES ARE APPROXIMATE. THE CITY OF ANN ARBOR, THE UNIVERSITY OF MICHIGAN, AND FTCH ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. THE CONTRACTOR SHALL CONTACT MISS DIG TO LOCATE ALL MARKED AND UNMARKED UTILITIES PRIOR TO STARTING WORK AND SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER AS TO ENSURE THAT THOSE UTILITIES NOT REQUIRING RELOCATION WILL NOT BE DISTURBED.

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ANY DELAYS, DAMAGES, COSTS AND/OR CHARGES INCURRED DUE TO AND/OR BY REASON OF ANY UTILITY, STRUCTURE, FEATURES AND/OR SITE CONDITION, WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL REPAIR AND/OR REPLACE, AT ITS SOLE EXPENSE, TO AS GOOD OR BETTER CONDITION, ANY AND ALL UTILITIES, STRUCTURES, FEATURES AND/OR SITE CONDITIONS WHICH ARE IMPACTED BY REASON OF THE WORK, OR INJURED BY ITS OPERATIONS, OR DURING THE OPERATIONS OF ITS SUBCONTRACTORS OR SUPPLIERS.

DRIVEWAYS AND ENTRANCES TO BUILDINGS, REAL PROPERTY, AND THE LIKE SHALL NOT BE BLOCKED EXCEPT FOR SHORT DURATIONS AND ONLY WHEN APPROVED BY THE ENGINEER. VEHICULAR AND PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES AS SPECIFIED IN MAINTAINING TRAFFIC PLANS AND SPECIFICATIONS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUOUS MAINTENANCE OF THE TEMPORARY TRAFFIC CONTROL DEVICES AND SOIL EROSION CONTROL MEASURES WITHIN THE CONSTRUCTION AREA AND APPROACHES TO PROJECT SITE, UNTIL THE FINAL COMPLETION OF THE PROJECT. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE RELATED ITEMS OF WORK.

THE LOCATION OF MATERIAL STOCK PILES AND ON-SITE STAGING AREAS ARE TO BE APPROVED BY THE ENGINEER. ANY MATERIALS STOCKPILED OR STORED SHALL NOT CREATE AN EROSION PROBLEM, INTERFERE WITH DRAINAGE, OR CREATE INSUFFICIENT SIGHT DISTANCE.

EXISTING STREET NAME, GUIDE, REGULATORY SIGNS, MAILBOXES, ETC., WHICH CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED PRIOR TO CONSTRUCTION, STORED IN A MANNER WHICH WILL PREVENT DAMAGE, AND RE-SET IN LOCATIONS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE OTHER BID ITEMS OF WORK.

A RAILROAD PERMIT IS NOT REQUIRED UNDER THE CONDITION THAT THE CONTRACTOR KEEPS ALL WORKERS, MATERIALS, VEHICLES AND EQUIPMENT ON THE PARKING LOTS SIDE OF THE PIER BETWEEN THE AREA TO BE PATCHED AND THE RAILROAD TRACKS, AND IN NO CIRCUMSTANCE SHALL THE CONTRACTOR ACCESS THE TRACK SIDE OF THE PIER.

ALL EXPOSED CONCRETE CORNERS SHOWN SQUARE ON THE PLANS SHALL BE BEVELED WITH 1/2" TRIANGULAR MOLDINGS EXCEPT AS OTHERWISE NOTED.

UNLESS OTHERWISE SHOWN ON THE PLANS PROVIDE MINIMUM CONCRETE CLEAR COVER FOR REINFORCEMENT ACCORDING TO THE FOLLOWING:  
 CONCRETE CAST AGAINST EARTH: 3 IN.  
 PRESTRESSED BEAMS: 1 IN.  
 ALL OTHER UNLESS SHOWN ON PLANS: 2 IN.

REMOVAL OF EXISTING HMA OVERLAY, HMA CAP OR HMA PATCHES AS A RESULT OF REMOVAL OF OTHER SUPERSTRUCTURE ITEMS SHALL BE INCLUDED IN THE REMOVAL OF THOSE ITEMS AND SHALL NOT BE PAID FOR SEPARATELY

HURON RIVER WATER LEVEL IS SUBJECT TO CHANGE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING A DETERMINATION OF WATER LEVELS THAT MAY EXIST DURING CONSTRUCTION.

MEASURES SHALL BE TAKEN TO PREVENT DEBRIS FROM FALLING FROM THE STRUCTURE. THE PREVENTIVE MEASURES SHALL BE EFFECTIVE. IF DEBRIS FALLS OFF THE STRUCTURE, IT SHALL BE REMOVED IMMEDIATELY.

GEOTEXTILE LINER SHALL BE PLACED ON ALL SLOPES PRIOR TO PLACING RIPRAP. PAYMENT FOR GEOTEXTILE LINER SHALL BE INCLUDED IN PAYMENT FOR RIPRAP AND WILL NOT BE PAID FOR SEPARATELY.

LOW TEMPERATURE PROTECTION OF CONCRETE PATCHING MATERIALS SHALL BE APPLIED ACCORDING TO SECTION 706.03 J. OF THE MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION. LOW TEMPERATURE PROTECTION OF CONCRETE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE OTHER BID ITEMS OF WORK.

NO PORTION OF THE FORMWORK OR FALSEWORK SHALL ENCR OACH ON THE EXISTING UNDERCLEARANCE.

ALL REINFORCEMENT BARS SHALL BE NEW AND BE EPOXY COATED.

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
1	TITLE SHEET
2	PROJECT INFORMATION
HURON PARKWAY OVER HURON RIVER	
3-8	MAINTENANCE OF TRAFFIC
9	PAVEMENT MARKING
10	CONSTRUCTION STAGING DETAILS
11	GENERAL PLAN OF STRUCTURE
12-14	EXISTING GENERAL PLAN OF STRUCTURE
15	SUBSTRUCTURE REPAIR DETAILS
16	DECK DELAMINATION SURVEY
17	SIDEWALK REHABILITATION DETAILS
18	RAILING REHAB DETAIL

MAINTAINING TRAFFIC QUANTITIES		
Item Description	Unit	Quantity
Barricades, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	6
Barricades, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	6
Conc Barrier Ending, Temp, Detail 2, Adj	Ea	4
Conc Barrier Ending, Temp, Detail 2, Furn	Ea	4
Conc Barrier Ending, Temp, Detail 2, Oper	Ea	4
Conc Barrier, Temp, Adj	Ft	2550
Conc Barrier, Temp, Furn	Ft	2240
Conc Barrier, Temp, Oper	Ft	2240
Pedestrian Type II Barricade, Temp	Ea	10
Pedestrian Type II Channelizer, Temp	Ft	96
Lighted Arrow, Type C, Furn	Ea	2
Lighted Arrow, Type C, Oper	Ea	2
Minor Traf Devices, Max.	LS	1
Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	Ft	5910
Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	Ft	12680
Plastic Drum, High Intensity, Furn	Ea	143
Plastic Drum, High Intensity, Oper	Ea	143
Sign, Type B, Temp, Prismatic, Furn	Sft	88
Sign, Type B, Temp, Prismatic, Oper	Sft	88
Sign, Type B, Temp, Prismatic, Special, Furn	Sft	12
Sign, Type B, Temp, Prismatic, Special, Oper	Sft	12
Traffic Regulator Control	LS	1

PUBLIC UTILITY CONTACT INFORMATION		
WATER	CITY OF ANN ARBOR FIELD OPERATIONS SERVICE UNIT W.R. WHEELER SERVICE CENTER 4251 STONE SCHOOL ROAD ANN ARBOR, MI 48108	DAN WOODEN (734) 794-6350
SANITARY		TRAVIS CONLEY (734) 794-3325
STORM		PAT MAINO (734) 794-3304
FORESTRY		MATT WALDSMITH (734) 794-3321
SIGNS SIGNALS STREET LIGHTS		CHUCK FOJTJK (734) 794-6361

PERMITS REQUIRED TO BE OBTAINED BY THE CONTRACTOR PRIOR TO THE BEGINNING OF CONSTRUCTION.	
PERMIT	ISSUING AUTHORITY
LANE CLOSURE PERMIT*	CITY OF ANN ARBOR ENGINEERING
GRADING/SOIL EROSION & SEDIMENTATION CONTROL PERMIT*	CITY OF ANN ARBOR CUSTOMER SERVICE
RIGHT-OF-WAY PERMIT*	CITY OF ANN ARBOR CUSTOMER SERVICE

\* NO COST TO CONTRACTOR

MISCELLANEOUS QUANTITIES		
ITEM DESCRIPTION	Unit	Estimated Quantity
Certified Payroll Compliance and Reporting	LSUM	1.0
General Conditions, Max. \$ _____	LSUM	1.0









CITY OF ANN ARBOR  
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301 EAST HURON STREET  
P.O. BOX 8647  
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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
CITY OF ANN ARBOR HURON PARKWAY BRIDGE  
CAPITAL PREVENTIVE MAINTENANCE REPAIRS  
PROJECT INFORMATION AND NOTE SHEET

SCALE: 1"=40'  
PROFILE: N/A  
DRAWING No.: 2021-024

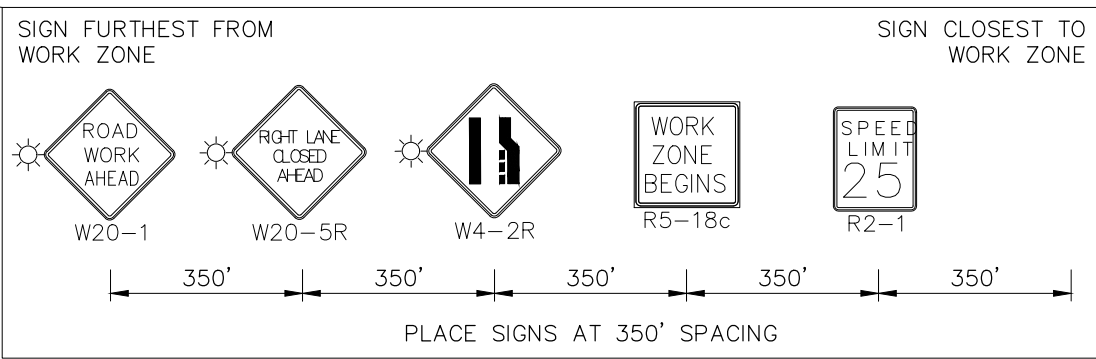
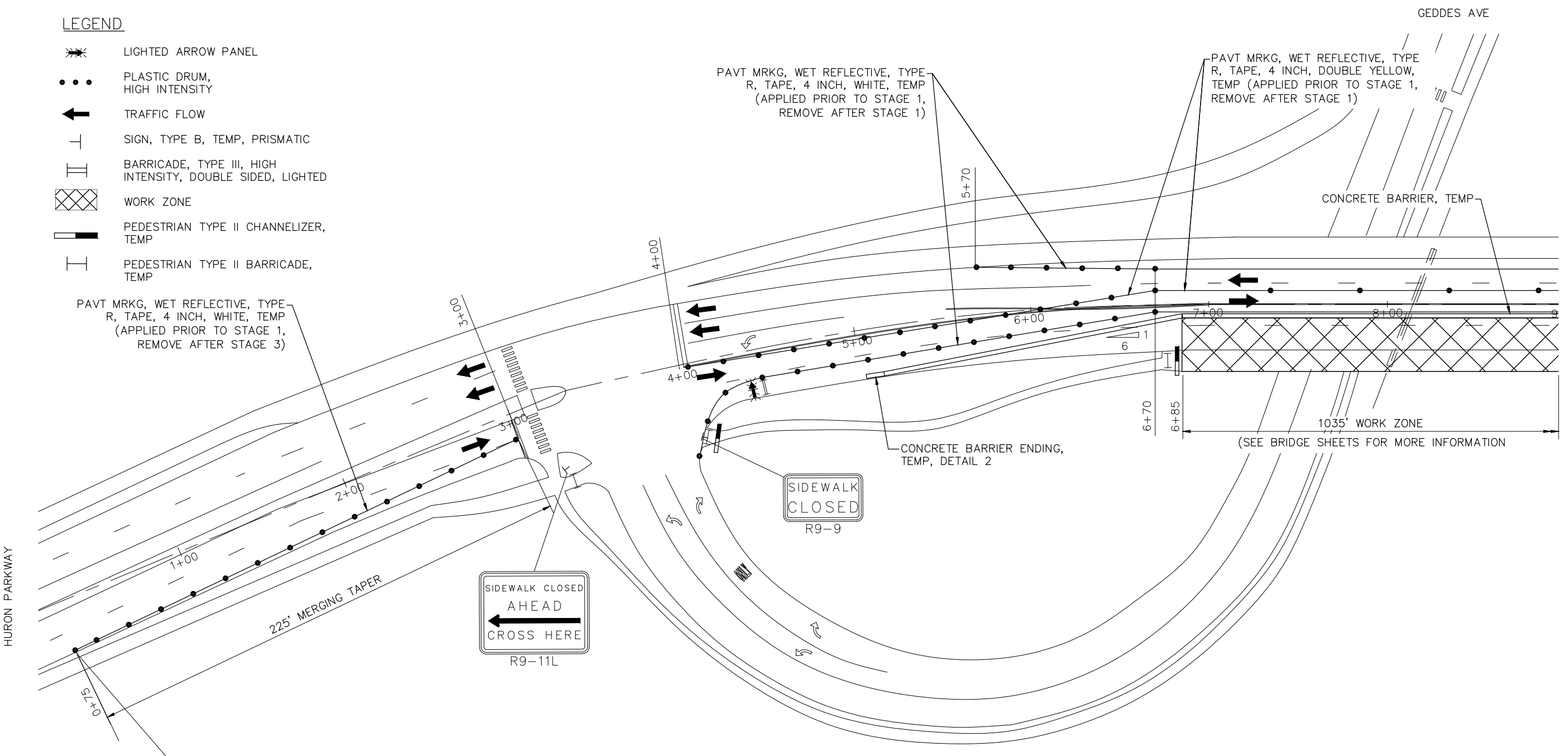
**LEGEND**

-  LIGHTED ARROW PANEL
-  PLASTIC DRUM, HIGH INTENSITY
-  TRAFFIC FLOW
-  SIGN, TYPE B, TEMP, PRISMATIC
-  BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED
-  WORK ZONE
-  PEDESTRIAN TYPE II CHANNELIZER, TEMP
-  PEDESTRIAN TYPE II BARRICADE, TEMP

PAVT MRKG, WET REFLECTIVE, TYPE R, TAPE, 4 INCH, WHITE, TEMP (APPLIED PRIOR TO STAGE 1, REMOVE AFTER STAGE 3)


PAVT MRKG, WET REFLECTIVE, TYPE R, TAPE, 4 INCH, WHITE, TEMP (APPLIED PRIOR TO STAGE 1, REMOVE AFTER STAGE 1)

PAVT MRKG, WET REFLECTIVE, TYPE R, TAPE, 4 INCH, DOUBLE YELLOW, TEMP (APPLIED PRIOR TO STAGE 1, REMOVE AFTER STAGE 1)




**STAGE 1**  
 STA. 0+50 TO 8+50  
 STA. 8+50 TO STA. 16+50 NOT SHOWN (SEE BRIDGE SHEETS FOR MORE INFORMATION)  
 STA. 16+50 TO STA. 24+50 SHOWN ON SHEET 2/6

MAINTENANCE OF TRAFFIC 1/6



Know what's below. Call Before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED











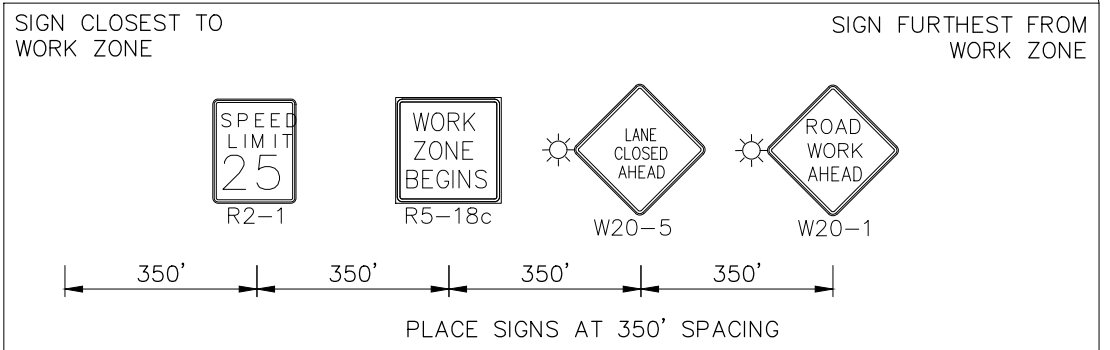
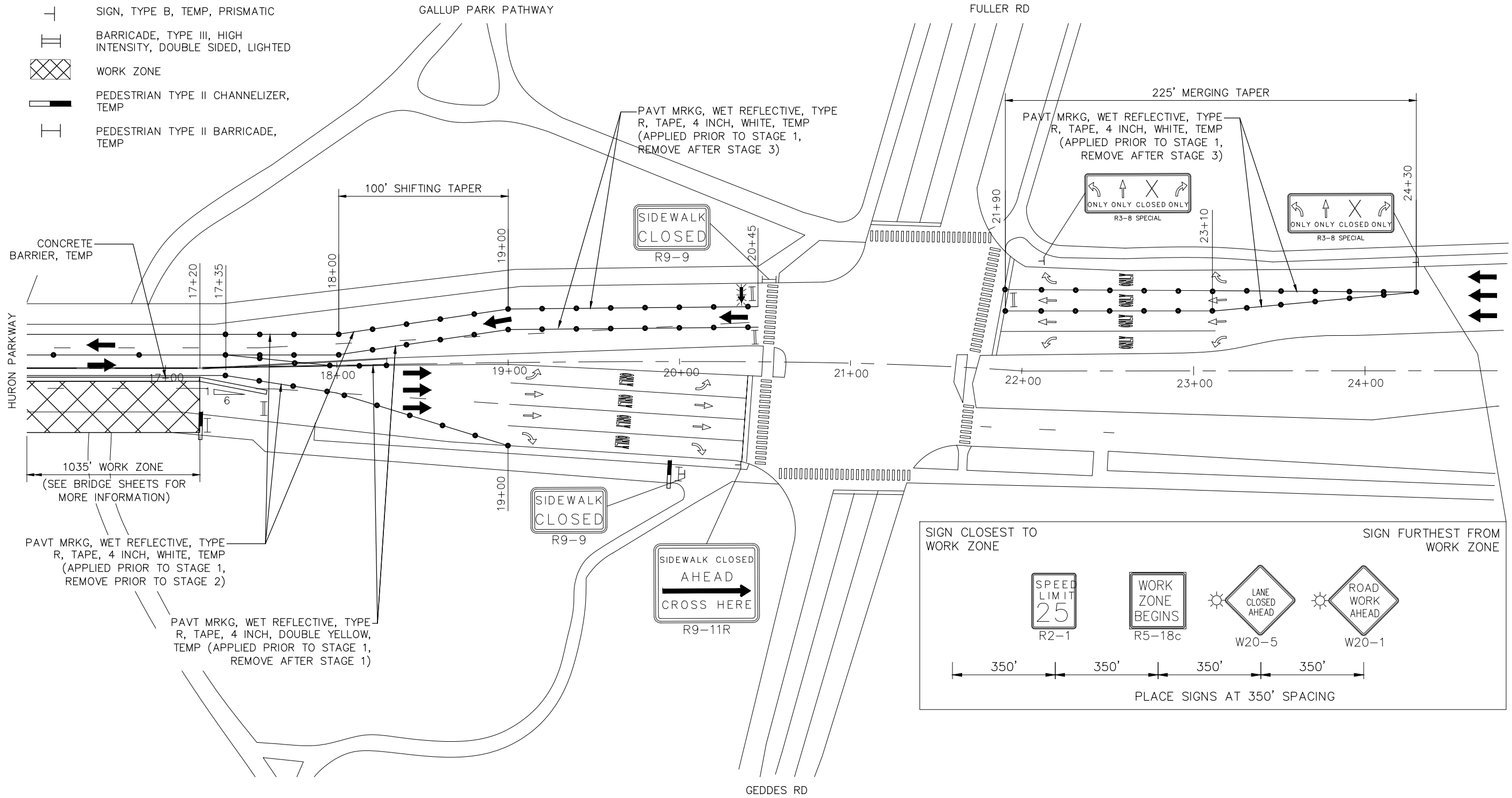
**CITY OF ANN ARBOR**  
 PUBLIC SERVICES - CITY OF ANN ARBOR  
 301 EAST HURON STREET  
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**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
 CITY OF ANN ARBOR HURON PARKWAY BRIDGE  
 CAPITAL PREVENTIVE MAINTENANCE REPAIRS  
 MAINTAINING TRAFFIC - STAGE 1

SCALE: 1"=30'  
 PROFILE: NA  
 DRAWING No. 2021-024  
 SHEET No. 3 of 18


**LEGEND**

-  LIGHTED ARROW PANEL
-  PLASTIC DRUM, HIGH INTENSITY
-  TRAFFIC FLOW
-  SIGN, TYPE B, TEMP, PRISMATIC
-  BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED
-  WORK ZONE
-  PEDESTRIAN TYPE II CHANNELIZER, TEMP
-  PEDESTRIAN TYPE II BARRICADE, TEMP



**STAGE 1**  
 STA. 16+50 TO 24+50  
 STA. 8+50 TO STA. 16+50 NOT SHOWN (SEE BRIDGE SHEETS FOR MORE INFORMATION)  
 STA. 0+50 TO STA. 8+50 SHOWN ON SHEET 1/6

MAINTENANCE OF TRAFFIC 2/6











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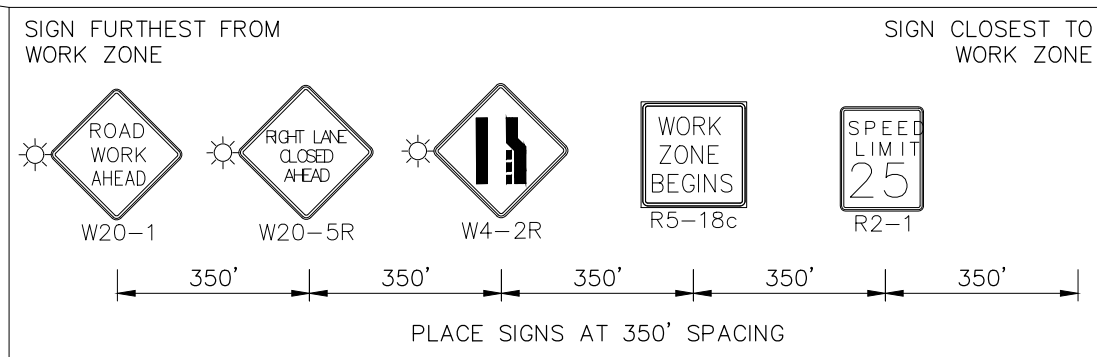
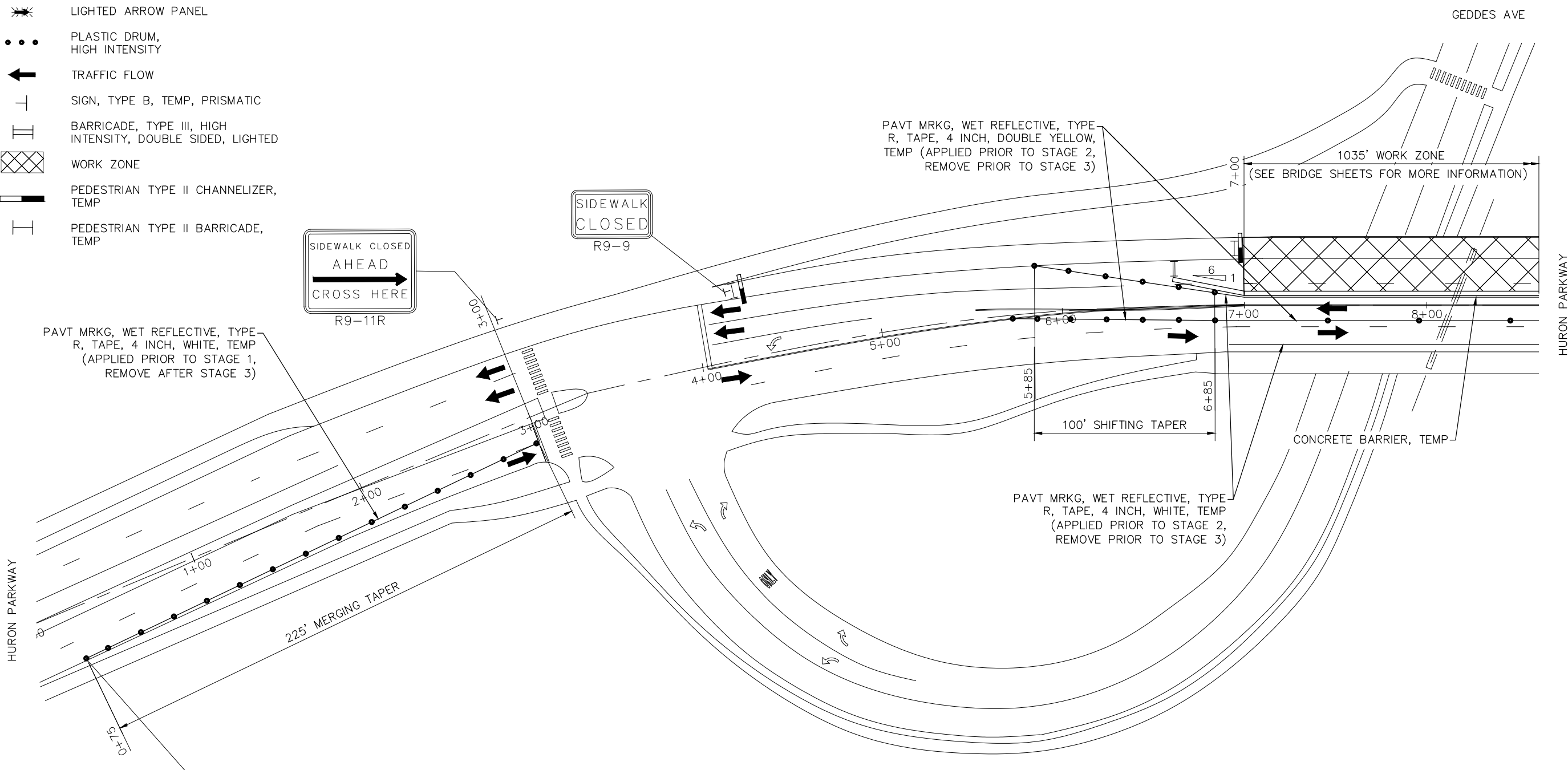
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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 CITY OF ANN ARBOR HURON PARKWAY BRIDGE  
 CAPITAL PREVENTIVE MAINTENANCE REPAIRS  
 MAINTAINING TRAFFIC - STAGE 1

SCALE: 1"=30'  
 PROFILE: N/A  
 DRAWING No. 2021-024  
 SHEET No. 4 of 18

**LEGEND**

-  LIGHTED ARROW PANEL
-  PLASTIC DRUM, HIGH INTENSITY
-  TRAFFIC FLOW
-  SIGN, TYPE B, TEMP, PRISMATIC
-  BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED
-  WORK ZONE
-  PEDESTRIAN TYPE II CHANNELIZER, TEMP
-  PEDESTRIAN TYPE II BARRICADE, TEMP



**STAGE 2**  
 STA. 0+50 TO 8+50  
 STA. 8+50 TO STA 16+50 NOT SHOWN (SEE BRIDGE SHEETS FOR MORE INFORMATION)  
 STA. 16+50 TO STA. 24+50 SHOWN ON SHEET **4/6**

MAINTENANCE OF TRAFFIC 3/6



REV.	DESCRIPTION	DATE	DRAWN	CHECKED










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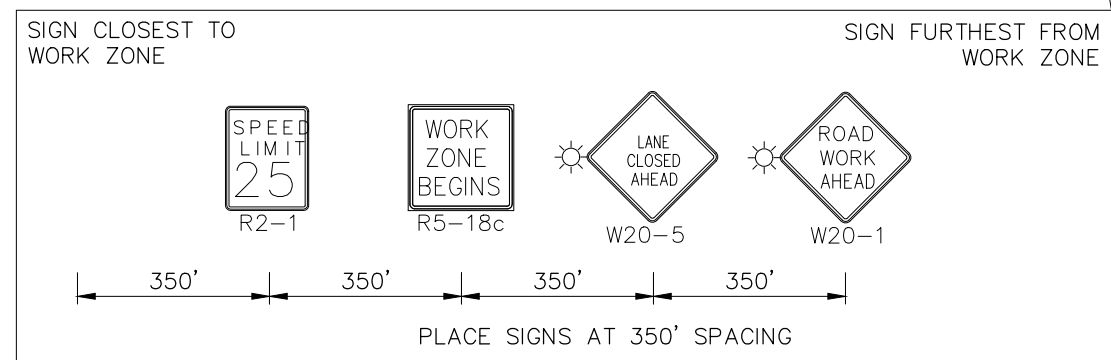
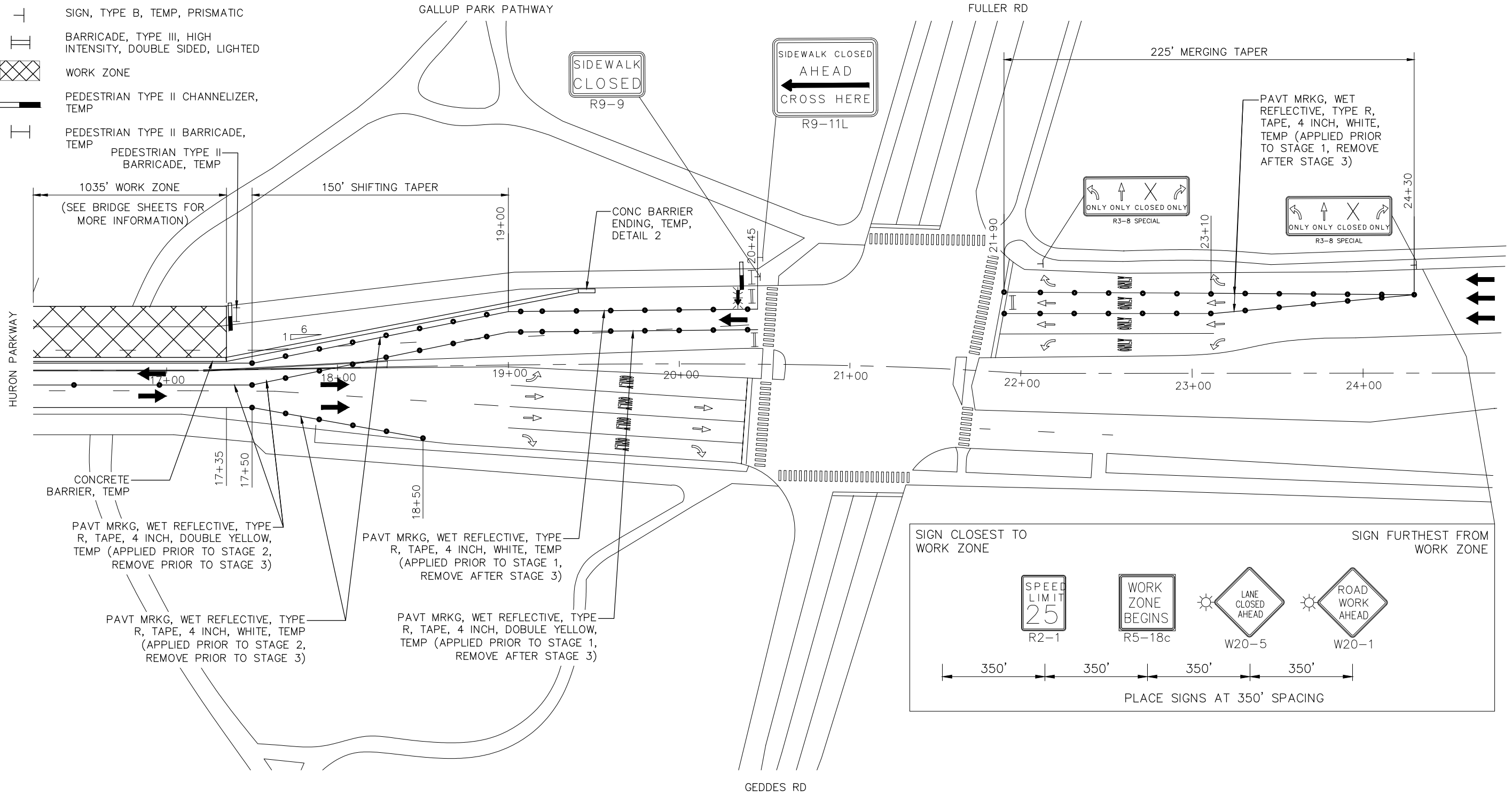


PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 CITY OF ANN ARBOR HURON PARKWAY BRIDGE  
 CAPITAL PREVENTIVE MAINTENANCE REPAIRS  
 MAINTAINING TRAFFIC - STAGE 2

SCALE 1"=30'  
 PROFILE: NA  
 DRAWING No. 2021-024


**LEGEND**

-  LIGHTED ARROW PANEL
-  PLASTIC DRUM, HIGH INTENSITY
-  TRAFFIC FLOW
-  SIGN, TYPE B, TEMP, PRISMATIC
-  BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED
-  WORK ZONE
-  PEDESTRIAN TYPE II CHANNELIZER, TEMP
-  PEDESTRIAN TYPE II BARRICADE, TEMP
-  PEDESTRIAN TYPE II BARRICADE, TEMP



**STAGE 2**  
 STA. 16+50 TO 24+50  
 STA. 8+50 TO STA. 16+50 NOT SHOWN (SEE BRIDGE SHEETS FOR MORE INFORMATION)  
 STA. 0+50 TO STA. 8+50 SHOWN ON SHEET 3/6

MAINTENANCE OF TRAFFIC 4/6



Know what's below.  
Call Before you dig.

REV.	DATE	DRAWN	CHECKED	DESCRIPTION

**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**









**CITY OF ANN ARBOR HURON PARKWAY BRIDGE CAPITAL PREVENTIVE MAINTENANCE REPAIRS**

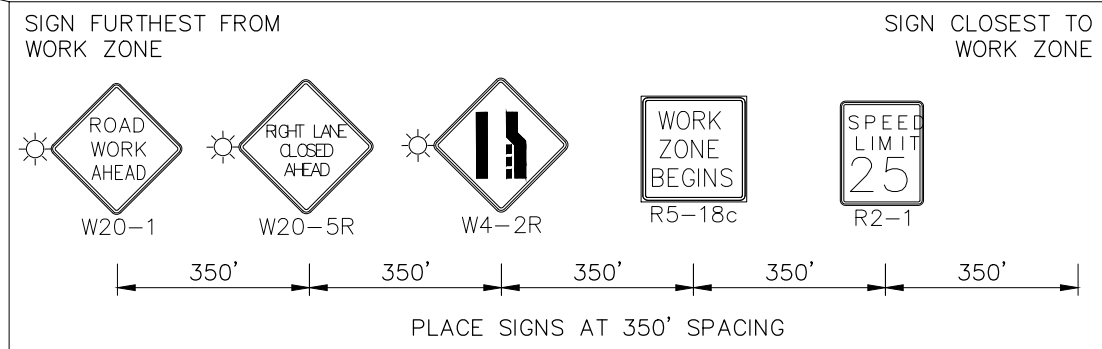
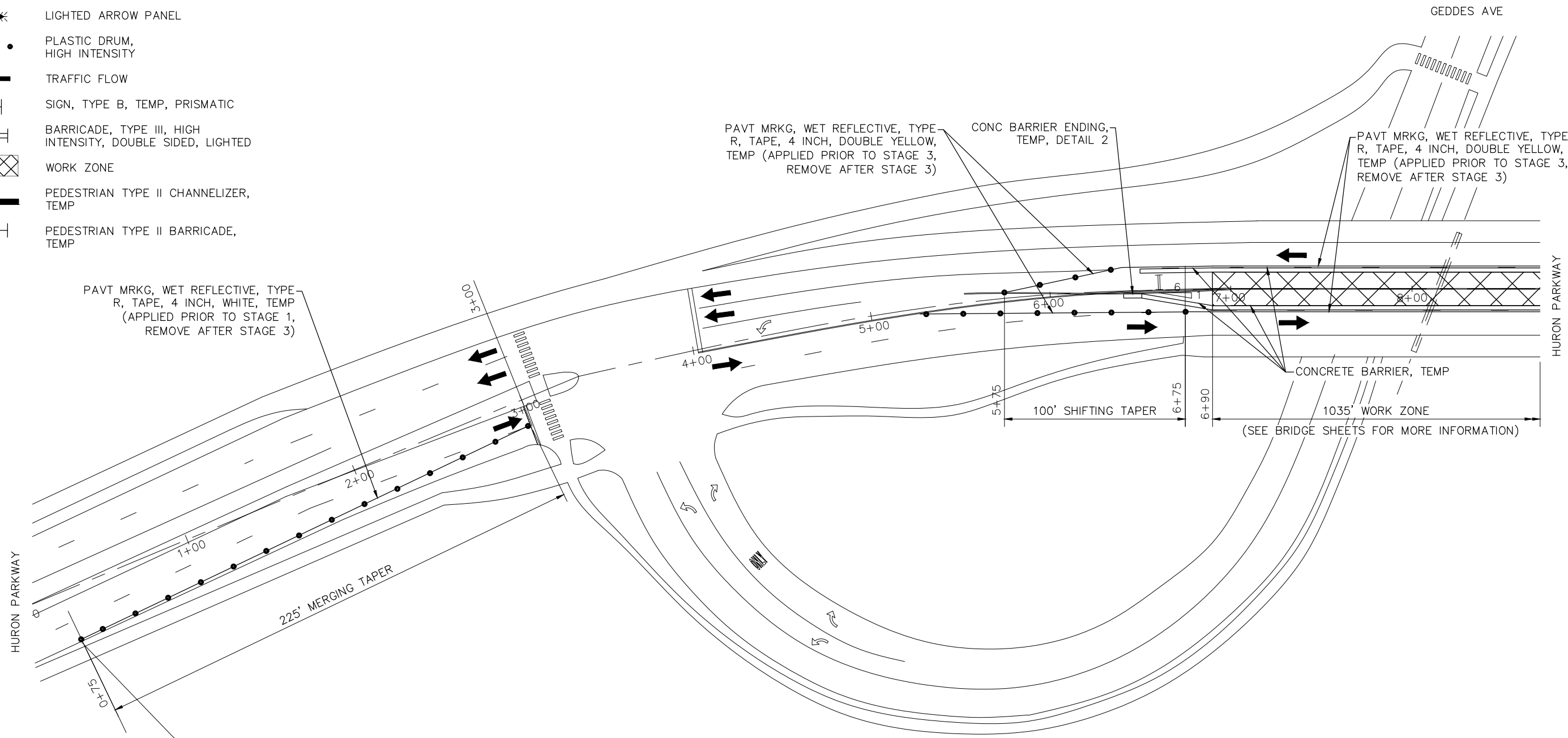
**MAINTAINING TRAFFIC - STAGE 2**

SCALE: 1"=30'  
 PROFILE: N/A  
 DRAWING No. **2021-024**

SHEET No. **6 of 18**


**LEGEND**

-  LIGHTED ARROW PANEL
-  PLASTIC DRUM, HIGH INTENSITY
-  TRAFFIC FLOW
-  SIGN, TYPE B, TEMP, PRISMATIC
-  BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED
-  WORK ZONE
-  PEDESTRIAN TYPE II CHANNELIZER, TEMP
-  PEDESTRIAN TYPE II BARRICADE, TEMP



**STAGE 3**  
 STA. 0+50 TO 8+50  
 STA. 8+50 TO STA 16+50 NOT SHOWN (SEE BRIDGE SHEETS FOR MORE INFORMATION)  
 STA. 16+50 TO STA. 24+50 SHOWN ON SHEET **6/6**


MAINTENANCE OF TRAFFIC 5/6



Know what's below.  
Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED

CITY OF ANN ARBOR  
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






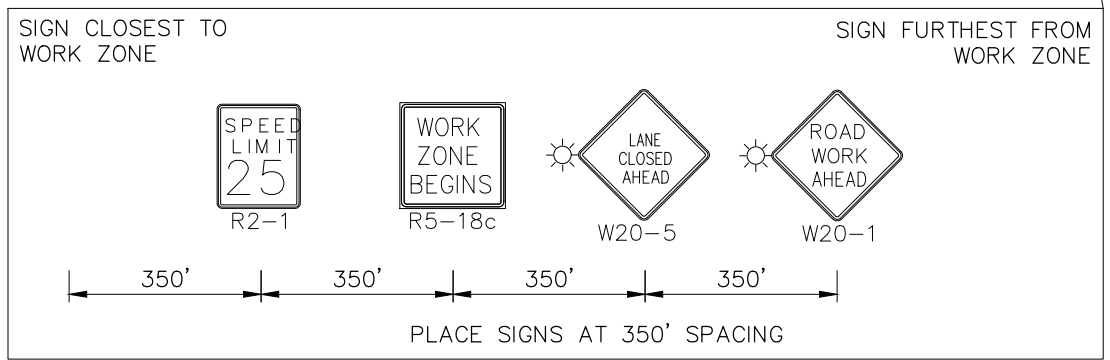
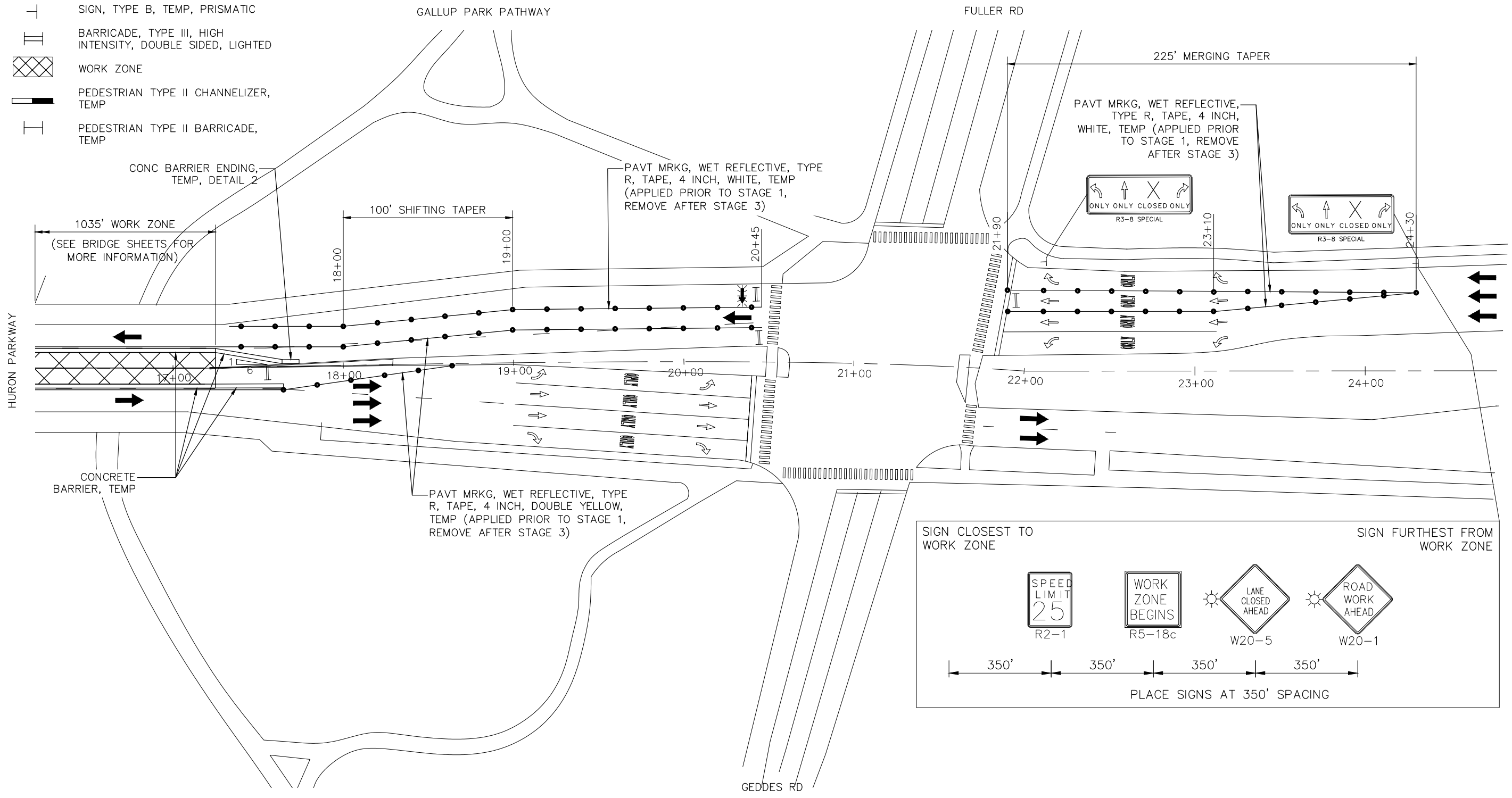
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 CITY OF ANN ARBOR HURON PARKWAY BRIDGE  
 CAPITAL PREVENTIVE MAINTENANCE REPAIRS  
 MAINTAINING TRAFFIC - STAGE 3

SCALE: 1"=30'  
 PROFILE: N/A  
 DRAWING No. 2021-024

SHEET No. 7 of 18

**LEGEND**

-  LIGHTED ARROW PANEL
-  PLASTIC DRUM, HIGH INTENSITY
-  TRAFFIC FLOW
-  SIGN, TYPE B, TEMP, PRISMATIC
-  BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED
-  WORK ZONE
-  PEDESTRIAN TYPE II CHANNELIZER, TEMP
-  PEDESTRIAN TYPE II BARRICADE, TEMP



**STAGE 3**


STA. 16+50 TO 24+50  
 STA. 8+50 TO STA 16+50 NOT SHOWN (SEE BRIDGE SHEETS FOR MORE INFORMATION)  
 STA. 0+50 TO STA. 8+50 SHOWN ON SHEET 5/6

**MAINTENANCE OF TRAFFIC 6/6**



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**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
**CITY OF ANN ARBOR HURON PARKWAY BRIDGE**  
**CAPITAL PREVENTIVE MAINTENANCE REPAIRS**  
**MAINTAINING TRAFFIC - STAGE 3**

SCALE: 1"=30'  
 PROFILE: N/A  
 DRAWING No. **2021-024**

SHEET No. **8 of 18**





REV.	DESCRIPTION	DATE	DRAWN	CHECKED

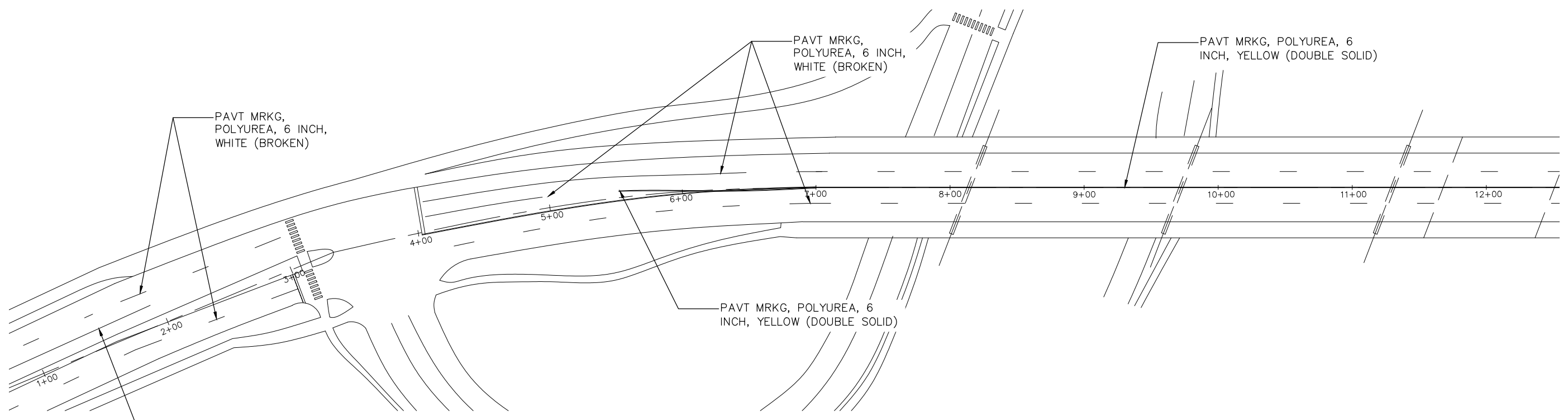
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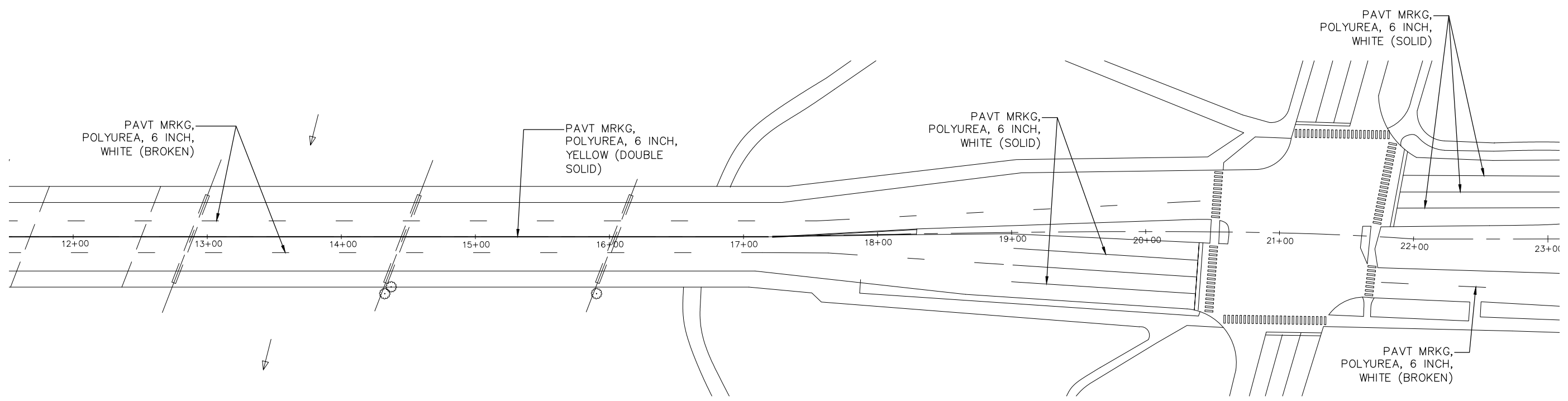
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 CITY OF ANN ARBOR HURON PARKWAY BRIDGE  
 CAPITAL PREVENTIVE MAINTENANCE REPAIRS  
 PAVEMENT MARKING

PROFILE: N/A  
 SCALE: 1"=30'  
 DRAWING No. 2021-024

SHEET No.

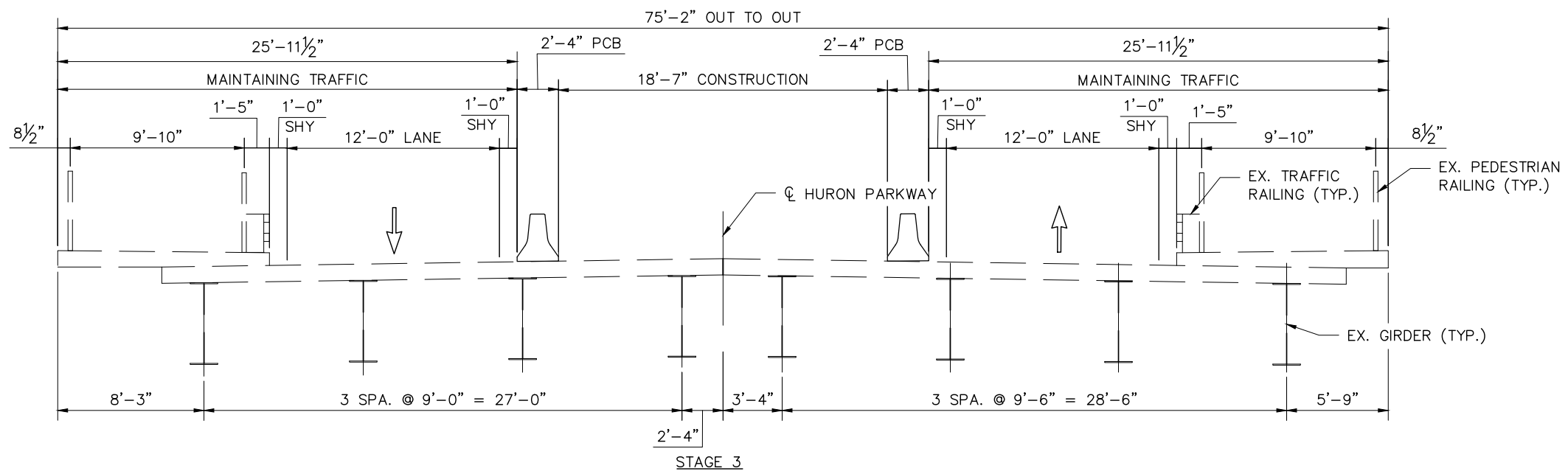
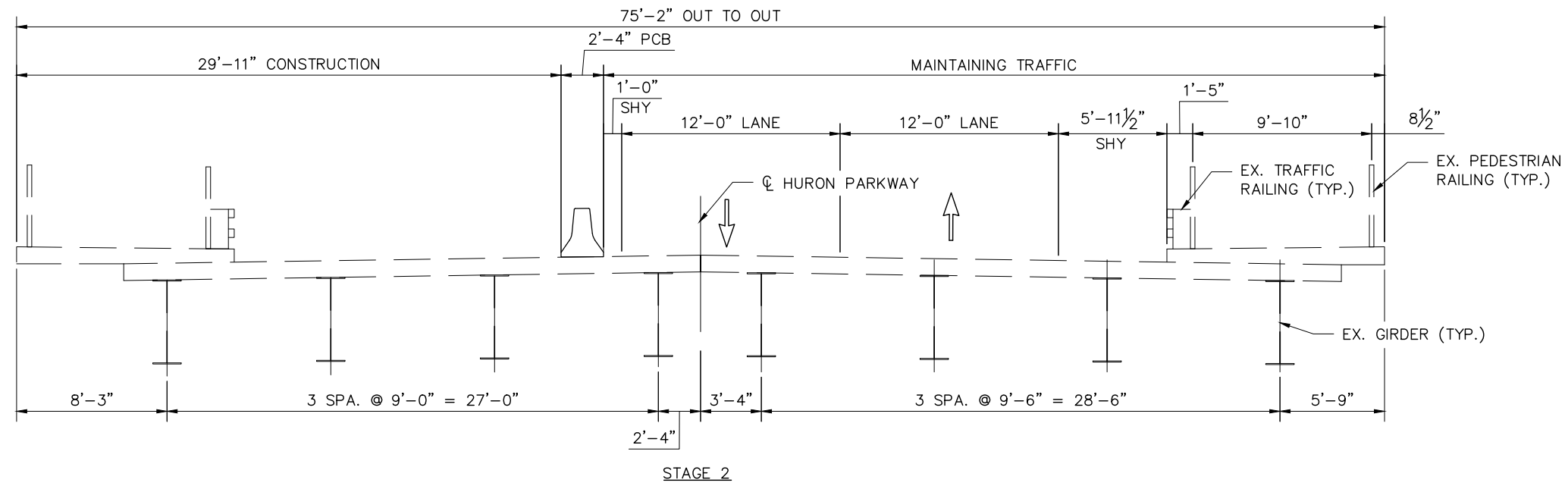
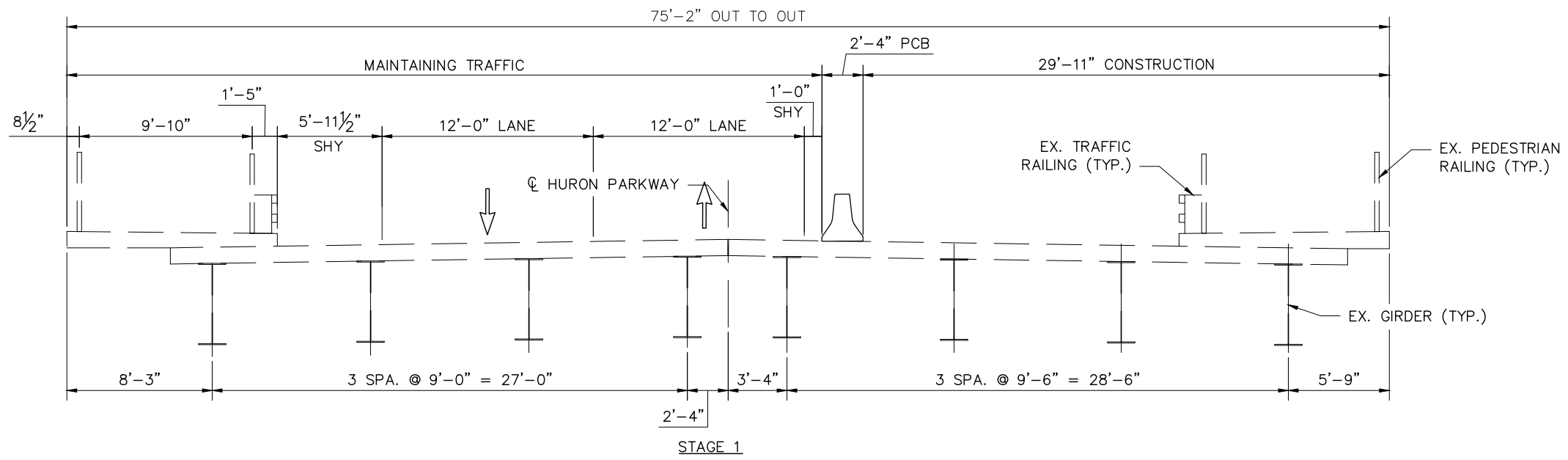


PLAN  
 (STA. 0+50.00 TO STA. 12+50.00)



PLAN  
 (STA. 12+50.00 TO STA. 24+50.00)

MISCELLANEOUS QUANTITIES		
5500	Ft	Pavt Mrkg, Polyurea, 6 inch, White
3050	Ft	Pavt Mrkg, Polyurea, 6 inch, Yellow



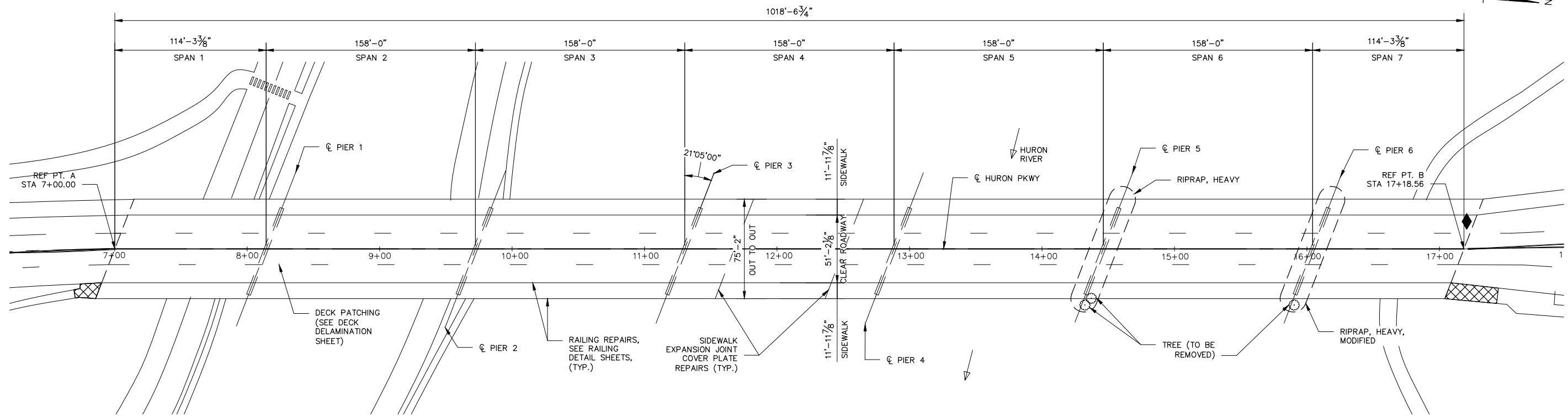
REV.	DESCRIPTION	DATE	DRAWN	CHECKED

CITY OF ANN ARBOR  
 PUBLIC SERVICES  
 301 EAST HURON STREET  
 ANN ARBOR, MI 48106-1647  
 www.a2gov.org



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 CITY OF ANN ARBOR HURON PARKWAY BRIDGE  
 CAPITAL PREVENTIVE MAINTENANCE REPAIRS  
 CONSTRUCTION STAGING DETAILS

SCALE: 1"=4'  
 PROFILE: N/A  
 DRAWING No. 2021-024



**PLAN**

**LEGEND:**



- REMOVE AND REPLACE APPROACH SIDEWALK PORTIONS AS DIRECTED BY THE ENGINEER



- REMOVE AND REPLACE SLOPE PROTECTION PORTIONS AS DIRECTED BY THE ENGINEER

**MISCELLANEOUS QUANTITIES**

3	Ea	Tree, Rem, 6 inch to 18 inch
3	Ea	Stump, Chemically-treated, Up to 18 inch
20	Syd	Sidewalk, Rem
180	Sft	Sidewalk, Concrete, 6 inch, Special
45	Syd	Riprap, Heavy, Modified
5	Syd	Slope Protection, Replace

**NOTES:**

THE WORK COVERED BY THESE PLANS INCLUDES DECK PATCHING, REPAIR OF GALVANIZED COATING ON BRIDGE RAILINGS, TREE REMOVAL, SIDEWALK EXPANSION JOINT REPAIRS, SUBSTRUCTURE REPAIRS, SIDEWALK REPAIRS, AND MAINTAINING TRAFFIC.

THE REHABILITATION DESIGN OF THIS STRUCTURE IS BASED ON THE CURRENT AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES HS20-44. LIVE LOAD PLUS IMPACT DEFLECTION DOES NOT EXCEED 1/1000 OF SPAN LENGTH. THE ORIGINAL STRUCTURE WAS DESIGNED FOR UNKNOWN LOADING.

THE RIPRAP QUANTITY IS BASED ON THE LATERAL DIMENSIONS OF THE AREA TO BE PROTECTED, REGARDLESS OF THE NUMBER OF LAYERS REQUIRED. THE ESTIMATED WEIGHT OF RIPRAP IS 67 TONS.

COMPLETELY REMOVE AND DISPOSE OF ANY TREES OR BRUSH GROWING IN RIPRAP AREAS. THIS WORK SHALL BE INCLUDES IN THE ITEM OF WORK "TREE, REM, 6 INCH TO 18 INCH AND STUMP, CHEMICALLY-TREATED, UP TO 18 INCH".



REV.	DESCRIPTION	DATE	DRAWN	CHECKED

CITY OF ANN ARBOR  
PUBLIC SERVICES  
301 EAST HURON STREET  
ANN ARBOR, MI 48106-6647  
www.a2gov.org

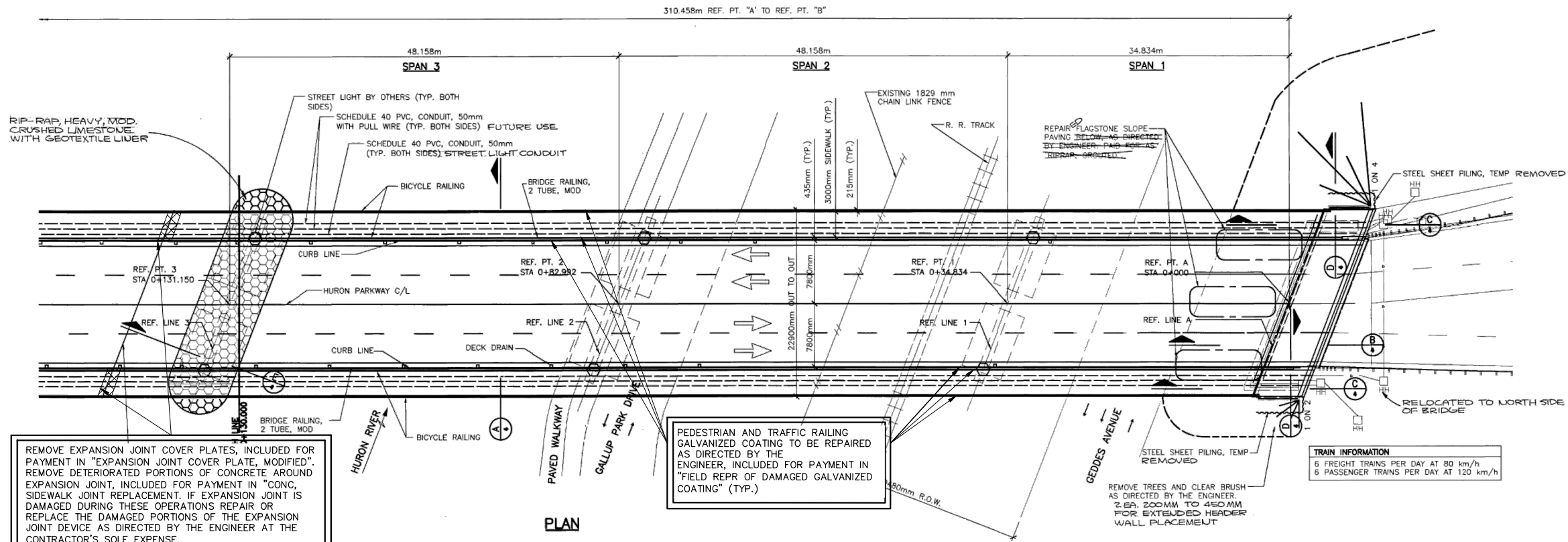


PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
CITY OF ANN ARBOR HURON PARKWAY BRIDGE  
CAPITAL PREVENTIVE MAINTENANCE REPAIRS  
GENERAL PLAN OF STRUCTURE

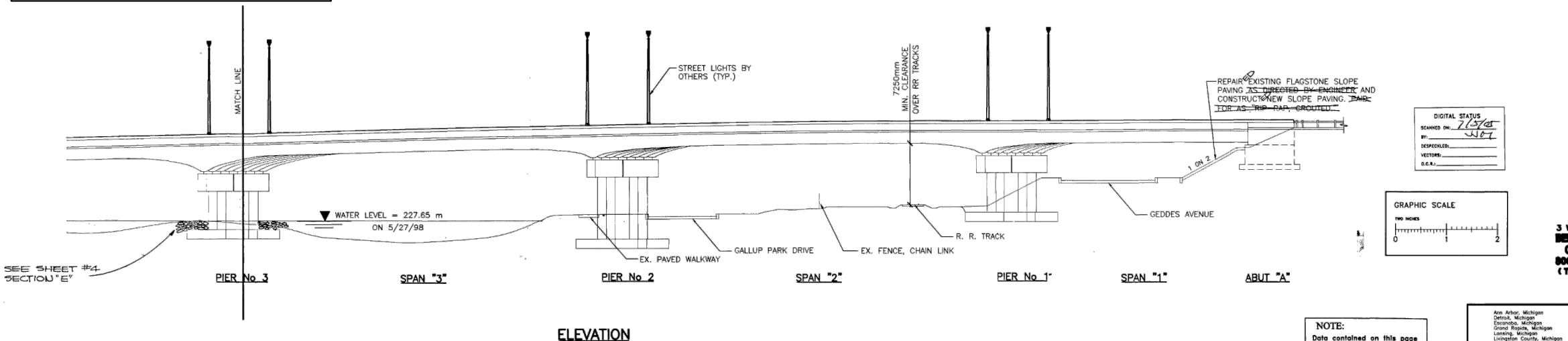
SCALE 1"=30'  
PROFILE: N/A  
DRAWING No. 2021-024

SHEET No.

THIS SHEET IS PROVIDED TO AID THE CONTRACTOR IN UNDERSTANDING THE EXISTING CONDITIONS OF THE PROPOSED WORK. THE CONTRACTOR SHALL THOROUGHLY REVIEW AND FAMILIARIZE THEMSELVES WITH THIS SHEET AND ALL ITS CONTENTS. CONTRACT PAY ITEMS ARE SHOWN ON THIS SHEET. REGARDLESS, THE CONTRACTOR SHALL FULLY FAMILIARIZE THEMSELVES WITH ALL CONDITIONS OF THE WORK AND THE EXISTING STRUCTURE AND SHALL ACCOUNT FOR ANY AND ALL NEEDED COSTS TO PERFORM THE WORK OF THIS PROJECT ARISING FROM THE EXISTING CONDITIONS OF THE EXISTING BRIDGE STRUCTURE AND ITS APPURTENANCES.



REMOVE EXPANSION JOINT COVER PLATES, INCLUDED FOR PAYMENT IN "EXPANSION JOINT COVER PLATE, MODIFIED". REMOVE DETERIORATED PORTIONS OF CONCRETE AROUND EXPANSION JOINT, INCLUDED FOR PAYMENT IN "CONC. SIDEWALK JOINT REPLACEMENT. IF EXPANSION JOINT IS DAMAGED DURING THESE OPERATIONS REPAIR OR REPLACE THE DAMAGED PORTIONS OF THE EXPANSION JOINT DEVICE AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S SOLE EXPENSE.



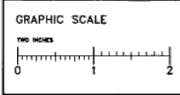
ELEVATION

DIMENSIONS & ELEVATIONS PER PLAN UNLESS OTHERWISE NOTED

NOTE:  
Data contained on this page was drawn from City records. No guarantee is made as to its accuracy or completeness.

Ann Arbor, Michigan Detroit, Michigan Eastland, Michigan Grand Rapids, Michigan Lansing, Michigan Livingston County, Michigan		FIRST-CIRCLE FIRM SINCE 1914	
<b>MCNAMEE PORTER &amp; SEELEY, INC.</b>			
DESIGNED E. WESTRATE	CHECKED S. KELLEY		
SCALE	CHDS DATE 2/20/99 EWS		
PART 04P5\0106\078301\0152			

DIGITAL STATUS  
SCANNED IN: 7/3/01  
BY: JKT  
DESIGNED: JKT  
REVISION:  
D.S.A.



3 WORKING DAYS!  
BEFORE YOU DIG  
CALL MISS DIG  
800-482-7171  
(TOLL FREE)

SEE SHEET 3 OF 58	N/A	AS-BUILT	6-05	JTZ	DPF	
BENCH MARK	SURVEY BOOK	REV. NO.	DESCRIPTION	DATE	DRBY	CLBY
		3/99	EW	SJK		

ENGINEERING DIVISION - PUBLIC SERVICES DEPARTMENT - CITY OF ANN ARBOR

**HURON PARKWAY BRIDGE REHABILITATION**

GENERAL PLAN OF STRUCTURE

APPROVED BY: *Sean J. Kelley*  
SEAN J. KELLEY, P.E., MICHIGAN NO. 37725

DRAWING NO. 98083-SE1  
SHEET NO. 2 OF 58

SN 11074

THE ONLY ITEMS OF WORK TO BE DONE FROM THIS SHEET ARE IDENTIFIED WITH THE LEGEND BOX BELOW LABELED WITH THIS STRUCTURE'S NUMBER

	PROPOSED WORK
	DENOTES REMOVED PORTIONS

811 Know Where Below. Call Before You Dig.

REV.	DATE	DRAWN	CHECKED

DESCRIPTION

REV.

CITY OF ANN ARBOR  
PUBLIC SERVICES  
301 EAST HURON STREET  
ANN ARBOR, MI 48107-8647  
ANN ARBOR 734-784-4410  
www.a2gov.org

CITY OF ANN ARBOR  
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
CITY OF ANN ARBOR HURON PARKWAY BRIDGE  
CAPITAL PREVENTIVE MAINTENANCE REPAIRS  
EXISTING GENERAL PLAN OF STRUCTURE

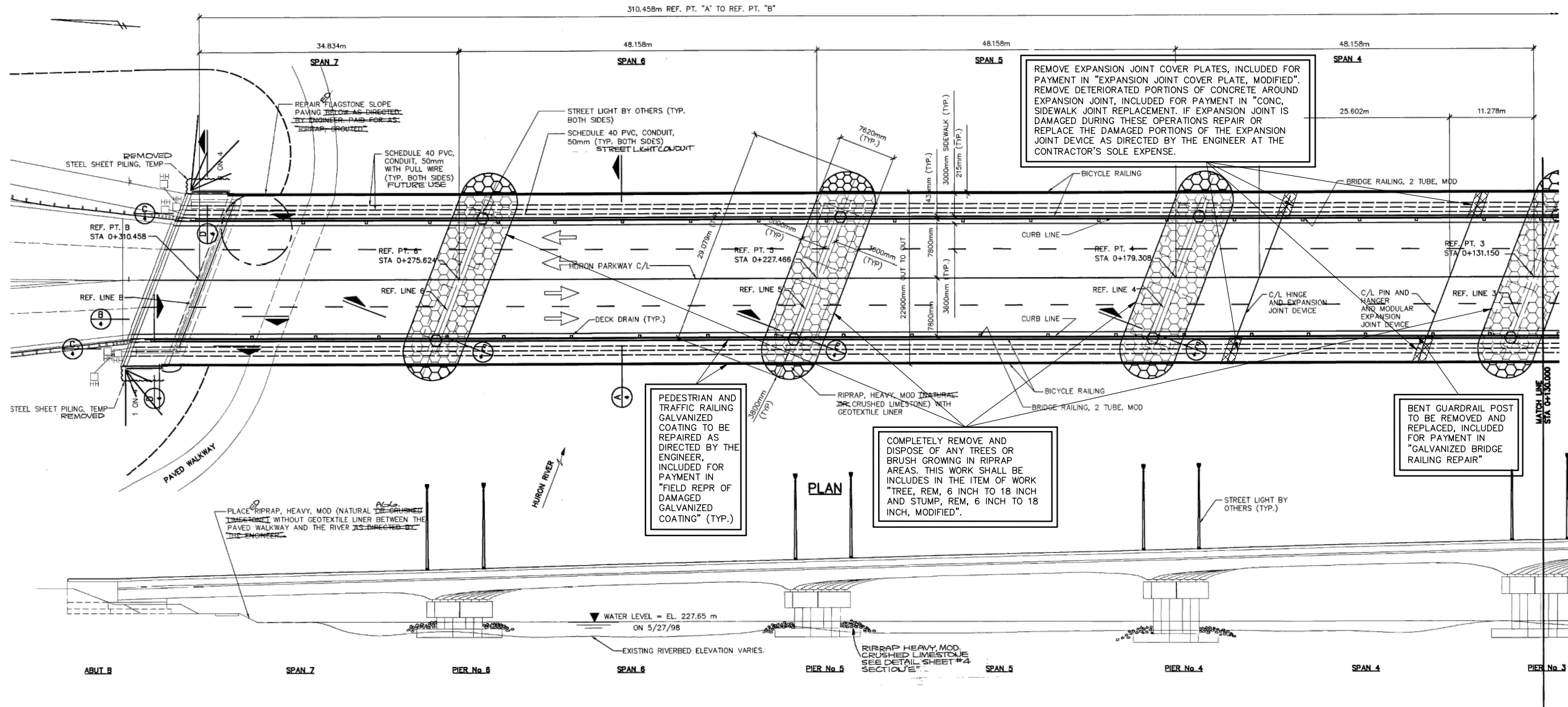
PROFILE: N/A

SCALE NONE

DRAWING NO. 2021-024

SHEET NO. 12 of 18

THIS SHEET IS PROVIDED TO AID THE CONTRACTOR IN UNDERSTANDING THE EXISTING CONDITIONS OF THE PROPOSED WORK. THE CONTRACTOR SHALL THOROUGHLY REVIEW AND FAMILIARIZE THEMSELVES WITH THIS SHEET AND ALL ITS CONTENTS. CONTRACT PAY ITEMS MAY OR MAY NOT BE SHOWN ON THIS SHEET. REGARDLESS, THE CONTRACTOR SHALL FULLY FAMILIARIZE THEMSELVES WITH ALL CONDITIONS OF THE WORK AND THE EXISTING STRUCTURE AND SHALL ACCOUNT FOR ANY AND ALL NEEDED COSTS TO PERFORM THE WORK OF THIS PROJECT ARISING FROM THE EXISTING CONDITIONS OF THE EXISTING BRIDGE STRUCTURE AND ITS APPURTENANCES.



**EXISTING BENCH MARK DATA:**  
 STATION 1028 IS LOCATED ON THE NORTHWEST CORNER OF THE HURON PARKWAY BRIDGE OVER THE HURON RIVER, SAID STATION BEING IN THE SOUTHWEST 1/4 OF SECTION 26, ANN ARBOR TOWNSHIP, IN THE CITY OF ANN ARBOR, MICHIGAN. THE STATION IS LOCATED ON THE WESTERLY CONCRETE RAIL, 0.3m (1.0 FT) SOUTH OF THE NORTH END OF RAIL, CENTERED 0.15m (0.5 FT) FROM THE EAST AND WEST EDGES OF THE RAIL, SAID STATION IS A VERTICAL CONTROL POINT AND IS DESCRIBED AS THE 1972 EDITION OF THE CITY OF ANN ARBOR BRASS DISC, WHICH IS SET IN THE CONCRETE RAIL, FLUSH WITH THE TOP AND APPROXIMATELY 0.91m (3 FT) ABOVE THE ROAD GRADE. THIS POINT WAS SET BY THE CITY OF ANN ARBOR IN 1972.

BM#	BENCH MARK DESCRIPTION	ELEVATION (NAVD 88 DATUM)
1028	CITY OF ANN ARBOR BRASS DISK SET IN THE TOP OF THE WEST CONCRETE PARAPET WALL AT THE NORTH END OF THE HURON PARKWAY BRIDGE OVER THE HURON RIVER.	233.406 m
1	CHISELED SQUARE ON TOP OF THE EAST CONCRETE PARAPET WALL AT THE SOUTH END OF THE HURON PARKWAY BRIDGE OVER THE HURON RIVER.	239.329 m
2	SOUTHEAST BOLT ON LIGHT POLE ON EAST SIDE OF HURON PARKWAY (IN TRAFFIC ISLAND SOUTH OF THE BRIDGE)	236.916 m
3	NORTHWEST BOLT ON LIGHT POLE EAST SIDE OF HURON PARKWAY (1ST POLE NORTHERLY OF HURON RIVER DRIVE)	233.969 m
4	CHISELED SQUARE WEST SIDE OF MAST ARM (NORTHEAST CORNER OF HURON PARKWAY AND HURON RIVER DRIVE)	234.344 m
5	STEAMER VALVE ON HYDRANT ON THE NORTHWEST CORNER OF HURON PARKWAY AND FULLER ROAD INTERSECTION.	231.612 m
6	STEAMER VALVE ON FIRST HYDRANT EAST OF HURON PARKWAY ON THE NORTH SIDE OF GEDDES ROAD.	230.661 m
7	NORTHWEST BOLT ON LIGHT POLE ON EAST SIDE OF DRIVE FROM SOUTH SIDE FULLER ROAD TO GALLUP PARK.	231.653 m
8	TOP NORTHEAST BOLT TO LIGHT POLE BASE AT SOUTHWEST CORNER HURON PARKWAY AND FULLER DRIVE.	231.265 m

**ELEVATION**

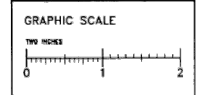
**LEGEND**

- FENCE
- WATER FLOW
- RIPRAP, HEAVY, MOD (NATURAL AGGREGATE OR CRUSHED LIMESTONE) WITH GEOTEXTILE LINER
- PROPOSED STREET LIGHT
- PROPOSED HANDHOLE

DIGITAL STATUS  
 SCANNED ON: 7/5/24  
 BY: [Signature]  
 DESIGNED: [Signature]  
 CHECKED: [Signature]  
 DATE: [Signature]

**MISCELLANEOUS QUANTITIES**

710 m <sup>2</sup>	RIPRAP, HEAVY, MOD
1 LS	STRUCTURES, REHABILITATION, REM POTIONS
400 m <sup>3</sup>	BACKFILL, STRUCTURE, CIP
350 m <sup>3</sup>	EXCAVATION, FND
280 m <sup>2</sup>	STEEL SHEET PILING, TEMP
100 m <sup>2</sup>	RIPRAP, GROUDED
34 m	SLOPE PAVING HEADER
8 EA	TREE, REM, 200 mm TO 450 mm
200 m <sup>2</sup>	CLEARING



DIMENSIONS & ELEVATIONS PER PLAN UNLESS OTHERWISE NOTED

**SN 11074**

THE ONLY ITEMS OF WORK TO BE DONE FROM THIS SHEET ARE IDENTIFIED WITH THE LEGEND BOX BELOW LABELED WITH THIS STRUCTURE'S NUMBER

- [Box with diagonal lines] - PROPOSED WORK
- [Box with cross-hatch] - DENOTES REMOVED PORTIONS

- NOTES:**
- BEFORE CONTRACTOR BEGINS WORK ON EITHER SIDE OF BRIDGE, THE CONTRACTOR SHALL CONTACT DETROIT EDISON TO RESOLVE POWER WIRING FOR LIGHTING.
  - CONTRACTOR SHALL INSTALL CONDUIT AND LIGHT STANDARD ANCHORAGES. LIGHT STANDARD ANCHORAGES SHALL BE ACQUIRED FROM DETROIT EDISON PRIOR TO BEGINNING OF CONSTRUCTION. CONTACT CHUCK ROWELL OF DETROIT EDISON FOR THE FORMS. MR. ROWELL CAN BE CONTACTED AT PHONE NUMBER: 234.397.4178. DETROIT EDISON WILL PULL THE WIRE AND ERECT THE POLES AND LUMINAIRES. DETROIT EDISON WORK IS NOT INCLUDED ON THE CONTRACT PRICE.

**NOTE:**  
 Data contained on this page was drawn from City records. No guarantee is made as to its accuracy or completeness.

**3 WORKING DAYS BEFORE YOU DRG CALL MISS DRG 800-483-7271 (TOLL FREE)**

Ann Arbor, Michigan  
 Detroit, Michigan  
 Escanaba, Michigan  
 Grand Rapids, Michigan  
 Lansing, Michigan  
 Liveston County, Michigan

**McNAMEE, PORTER & SHELLEY, INC.**  
 DESIGNED: E. WESTRATE  
 CHECKED: S. KELLEY  
 SCALE: CAD DATE: 2-20-99 DTLS  
 PART: 0-MPS-0106-07830-151251

**ENGINEERING DIVISION - PUBLIC SERVICES DEPARTMENT - CITY OF ANN ARBOR**

**HURON PARKWAY BRIDGE REHABILITATION GENERAL PLAN OF STRUCTURE**

APPROVED BY: [Signature]  
 SEAN J. KELLEY, P.E., MICHIGAN NO. 37725

DRAWING NO. BR  
**98083-ST2**  
 SHEET NO. 3 OF 58

**811**  
 Know what's below. Call before you dig.

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 PUBLIC SERVICES  
 301 EAST HURON STREET  
 ANN ARBOR, MI 48106  
 734.764.4410  
 www.a2gov.org

**ANN ARBOR MICHIGAN**

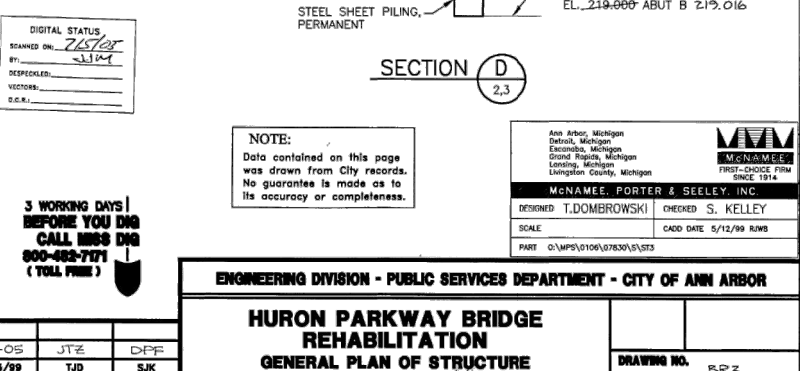
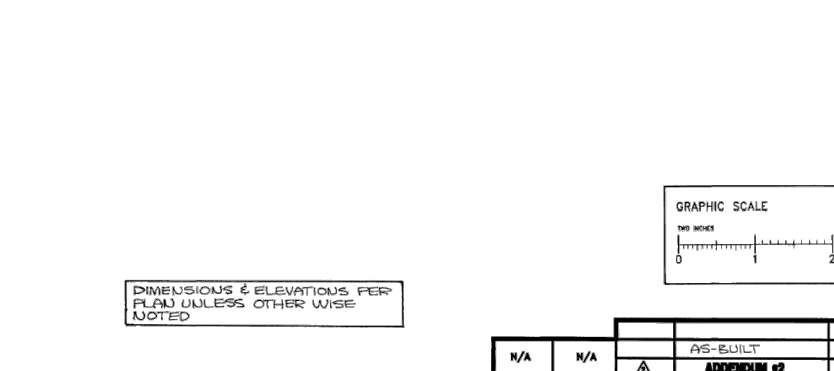
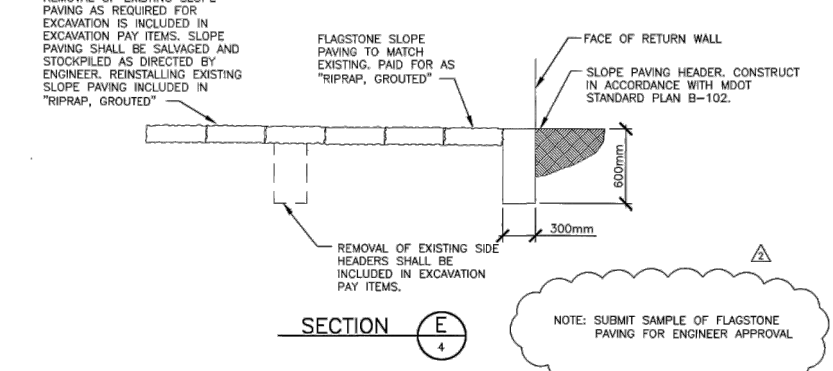
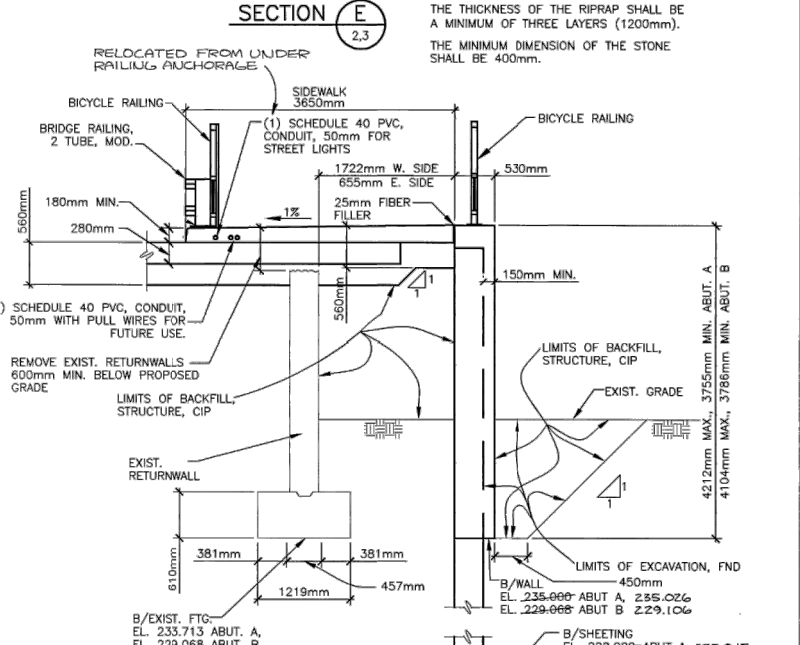
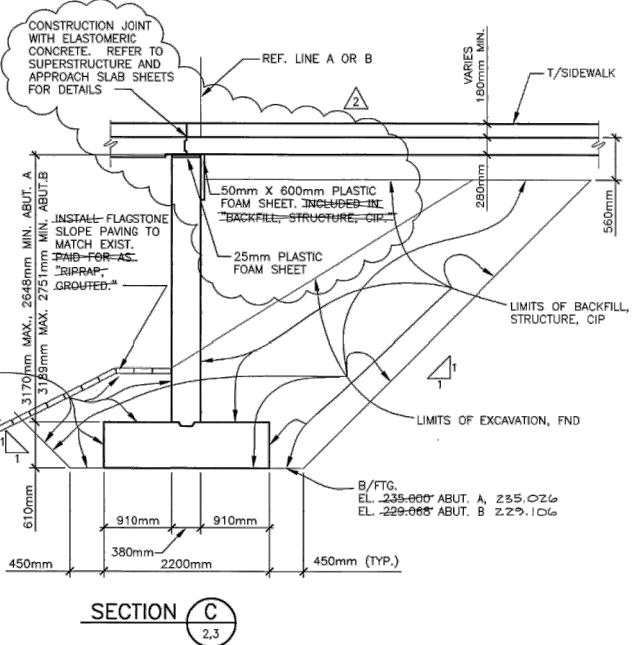
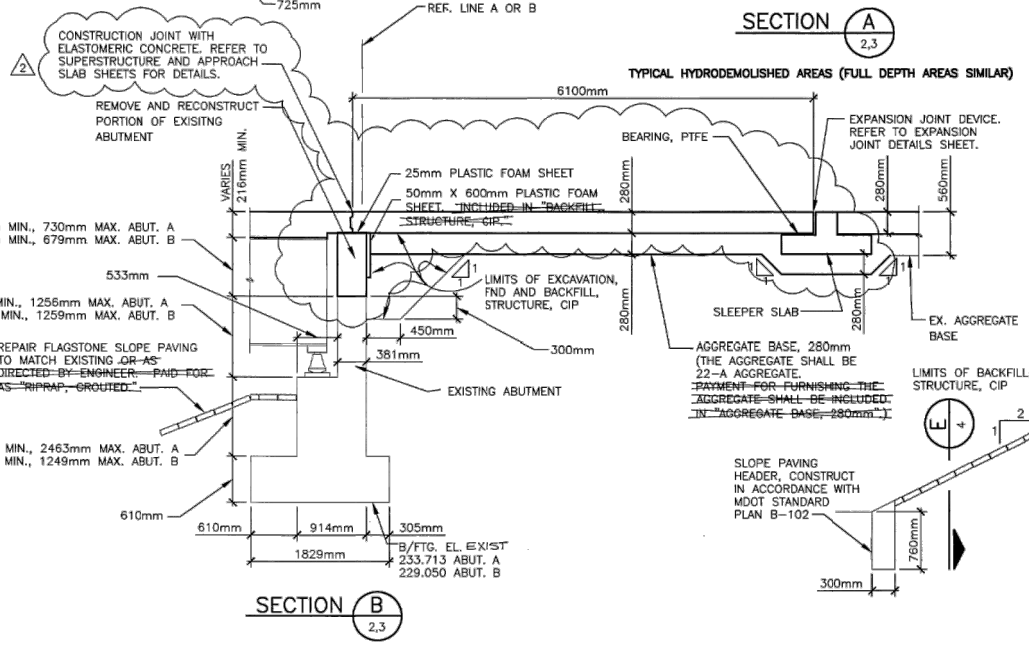
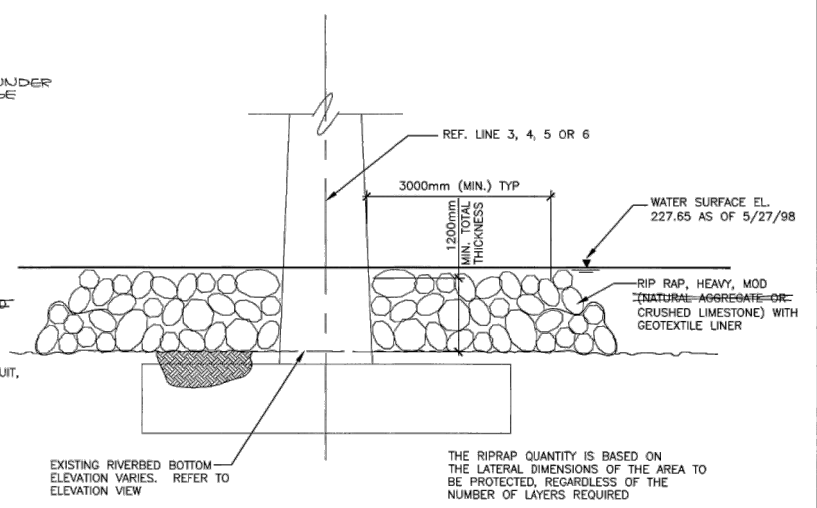
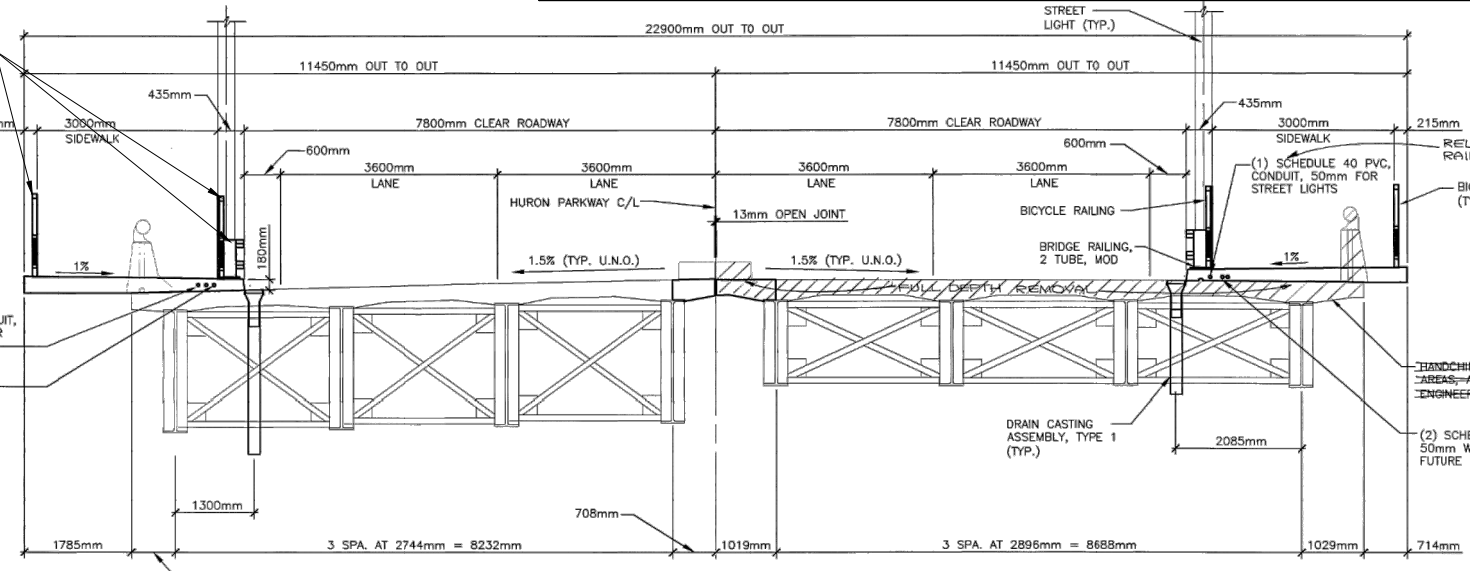
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 CITY OF ANN ARBOR HURON PARKWAY BRIDGE  
 CAPITAL PREVENTIVE MAINTENANCE REPAIRS  
 EXISTING GENERAL PLAN OF STRUCTURE

PROFILE: NA  
 SCALE: NONE  
 DRAWING NO. BR  
**98083-ST2**  
 SHEET NO. 3 OF 58  
 SHEET NO. 13 OF 18

REV. DESCRIPTION DATE DRAWN CHECKED

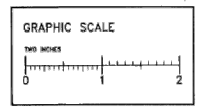
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PEDESTRIAN AND TRAFFIC RAILING GALVANIZED COATING TO BE REPAIRED AS DIRECTED BY THE ENGINEER, INCLUDED FOR PAYMENT IN "FIELD REPR OF DAMAGED GALVANIZED COATING" BOTH SIDES (TYP.)



NOTE: SUBMIT SAMPLE OF FLAGSTONE PAVING FOR ENGINEER APPROVAL

DIMENSIONS & ELEVATIONS PER PLAN UNLESS OTHERWISE NOTED



3 WORKING DAYS BEFORE YOU DIG CALL 888 DIG 800-882-7171 (TOLL FREE)

NOTE: Data contained on this page was drawn from City records. No guarantee is made as to its accuracy or completeness.

McNAMEE, PORTER & SEELEY, INC.  
 DESIGNED: T. DOMBROWSKI  
 CHECKED: S. KELLEY  
 SCALE: CAD DATE: 5/12/99 RWR  
 PART: 02/PPS/0106/0700/01/ST3

ENGINEERING DIVISION - PUBLIC SERVICES DEPARTMENT - CITY OF ANN ARBOR  
**HURON PARKWAY BRIDGE REHABILITATION**  
 GENERAL PLAN OF STRUCTURE  
 DRAWING NO. BR 2  
 95083-BT3-ADD-2  
 SHEET NO. 4 OF 58  
 APPROVED BY: Sean J. Kelley 5/17/99  
 SEAN J. KELLEY P.E., MICHIGAN NO. 37725

REVISION	DATE	BY	DESCRIPTION
AS-BUILT	6-05	JTE	DPF
ADDENDUM #2	5/99	TJD	SJK
ORIGINAL ISSUE	3/99	TJD	SJK

SN 11074

THE ONLY ITEMS OF WORK TO BE DONE FROM THIS SHEET ARE IDENTIFIED WITH THE LEGEND BOX BELOW LABELED WITH THIS STRUCTURE'S NUMBER

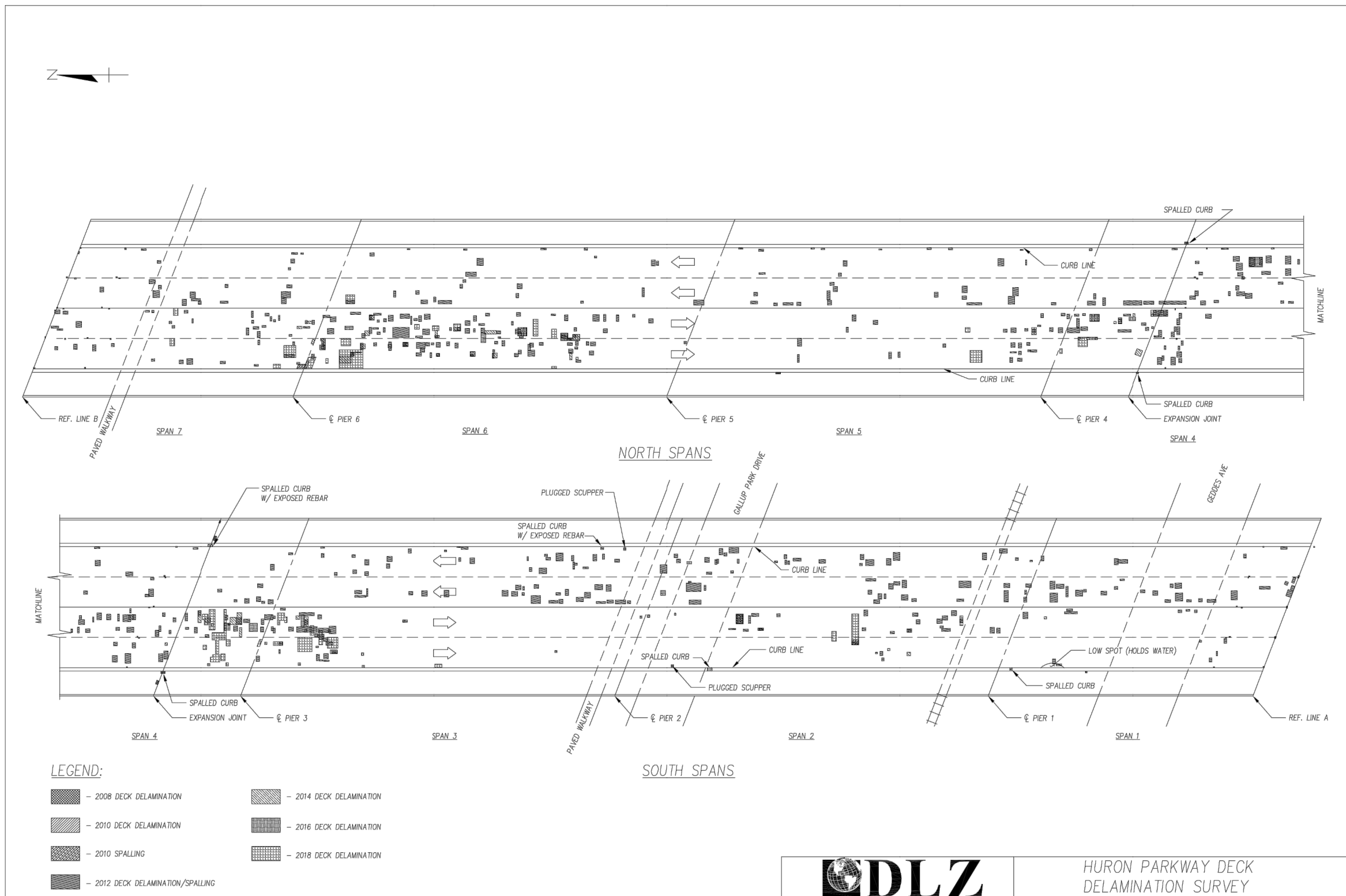
	PROPOSED WORK
	DENOTES REMOVED PORTIONS

811 Know Where Below. Call Before You Dig.

CITY OF ANN ARBOR  
 PUBLIC SERVICES  
 301 EAST HURON STREET  
 ANN ARBOR, MI 48106-1000  
 734-774-4410  
 www.aagov.org

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 CITY OF ANN ARBOR HURON PARKWAY BRIDGE  
 CAPITAL PREVENTIVE MAINTENANCE REPAIRS  
 EXISTING GENERAL PLAN OF STRUCTURE

PROFILE: NA  
 SCALE NONE  
 DRAWING NO. 2021-024  
 SHEET NO. 14 OF 18

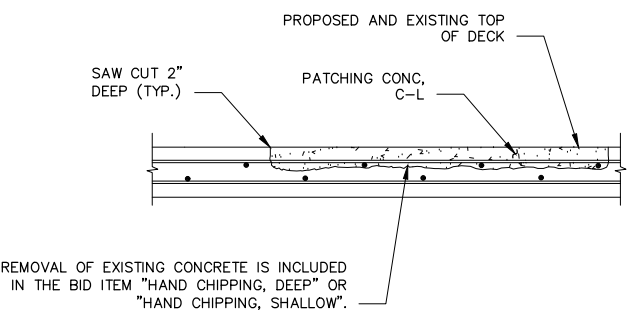


**LEGEND:**

- 2008 DECK DELAMINATION
- 2010 DECK DELAMINATION
- 2010 SPALLING
- 2012 DECK DELAMINATION/SPALLING
- 2014 DECK DELAMINATION
- 2016 DECK DELAMINATION
- 2018 DECK DELAMINATION

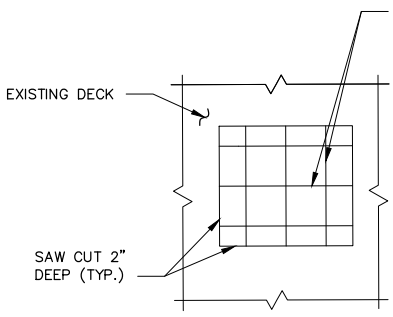
**NOTES**

THE CONTRACTOR IS RESPONSIBLE TO WET CURE ALL LATEX MODIFIED PATCHES PLACED ON THIS PROJECT FOR A PERIOD OF SEVEN CALENDAR DAYS IN ACCORDANCE WITH SECTION 712.03.P AND AS DETAILED HEREIN. THE CONTRACTOR SHALL ENSURE THAT THE BURLAP REMAINS WET FOR THE ENTIRE DURATION OF THE CURING PERIOD. THE POLYETHYLENE FILM COVERING THE PATCHES SHALL BE SECURELY AFFIXED TO EACH PATCH. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE ITEM OF WORK "PATCHING CONC, C-L".



REMOVAL OF EXISTING CONCRETE IS INCLUDED IN THE BID ITEM "HAND CHIPPING, DEEP" OR "HAND CHIPPING, SHALLOW".

PARTIAL DECK SECTION



PLAN - DECK PATCHING REPAIR

SALVAGE AND BLAST CLEAN EXISTING TRANSVERSE AND LONGITUDINAL REBARS. DETERIORATED REINFORCEMENT SHALL BE REPLACED AS DIRECTED BY THE ENGINEER.

MISCELLANEOUS QUANTITIES		
150	Lb	**Reinforcement, Steel, Epoxy Coated
50	Syd	Hand Chipping, Shallow
50	Syd	Hand Chipping, Deep
7	Cyd	Patch, Full Depth
12	Cyd	Patching Conc, C-L

\*\* STEEL REINFORCEMENT NEEDED TO REPLACE WEAKENED REINFORCEMENT FOUND DURING CONCRETE REPAIRS



HURON PARKWAY DECK DELAMINATION SURVEY

**PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**  
 CITY OF ANN ARBOR HURON PARKWAY BRIDGE  
 CAPITAL PREVENTIVE MAINTENANCE REPAIRS  
 DECK DELAMINATION SURVEY

**811**  
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REV.	DESCRIPTION	DATE	DRAWN	CHECKED

CITY OF ANN ARBOR  
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 301 EAST HURON STREET  
 ANN ARBOR, MI 48106-1067  
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SCALE NONE  
 PROFILE: NA  
 DRAWING No. 2021-024  
 SHEET No. 15 of 18

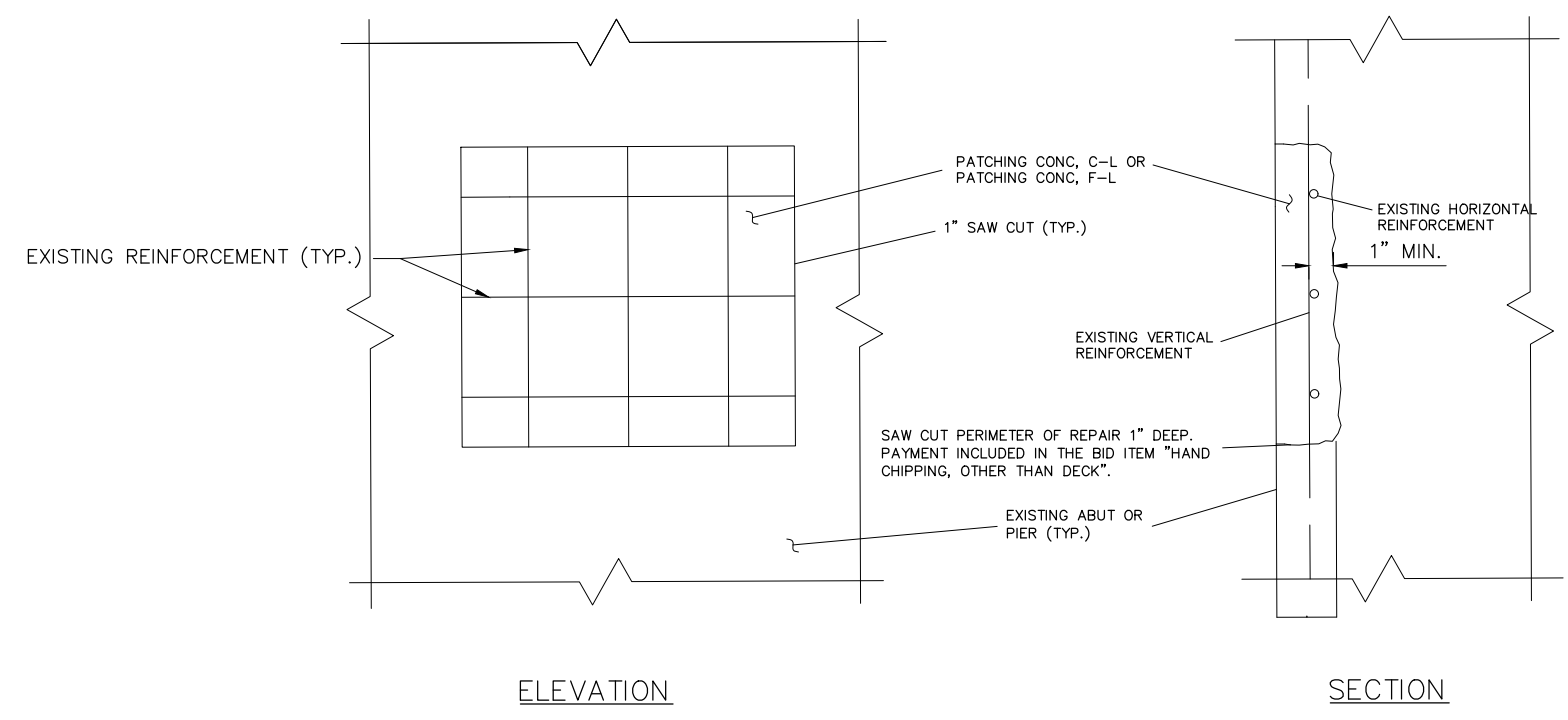
REV.	DESCRIPTION	DATE	DRAWN	CHECKED

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 PUBLIC SERVICE  
 301 EAST HURON STREET  
 ANN ARBOR, MI 48106-0647  
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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 CITY OF ANN ARBOR HURON PARKWAY BRIDGE  
 CAPITAL PREVENTIVE MAINTENANCE REPAIRS  
 SUBSTRUCTURE REPAIR DETAILS

SCALE 1"=40'  
 PROFILE: N/A  
 DRAWING No. 2021-024



ELEVATION

SECTION

**SUBSTRUCTURE PATCHING DETAIL**

REMOVE UNSOUND CONCRETE, EXPOSE EXISTING REINFORCEMENT, REPLACE/CLEAN CORRODED REINFORCEMENT, PER ENGINEER.

MISCELLANEOUS QUANTITIES		
100	Lb	**Reinforcement, Steel, Epoxy Coated
130	Cft	*Hand Chipping, Other Than Deck
5	Cyd	*Patching Conc, C-L
2	Cyd	*Patching Conc, F-L
50	Sft	*Patch, Forming

\* FOR SUBSTRUCTURE REPAIRS AS DIRECTED BY THE ENGINEER  
 \*\* STEEL REINFORCEMENT NEEDED TO REPLACE WEAKENED REINFORCEMENT FOUND DURING CONCRETE REPAIRS

**SUBSTRUCTURE REPAIR NOTES:**

QUANTITIES INCLUDE REPAIRS TO PIERS AND ABUTMENTS. CONCRETE REPAIR QUANTITIES ARE ESTIMATED AND BASED ON EXISTING CONDITIONS DETERMINED BY A FIELD SURVEY RECORDED IN THE INSPECTION REPORT AND DATED NOVEMBER, 2018.

SUBSTRUCTURE UNITS SHALL BE SOUNDED PRIOR TO CONSTRUCTION AND SHALL BE REPAIRED AS DIRECTED BY THE ENGINEER.

FOR BEVEL AND MOLDING DETAILS, SEE STANDARD PLAN B-103 SERIES.

FORMS FOR LARGE PATCHES SHALL BE INSTALLED IN 2'-0" TO 4'-0" HIGH SECTIONS WITH THE TOP OF FORM NO MORE THAN 4'-0" ABOVE THE LEVEL OF CONCRETE AS THE POUR PROGRESSES.

LOW TEMPERATURE PROTECTION OF CONCRETE SHALL BE APPLIED ACCORDING TO SECTION 706.03J, OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION. LOW TEMPERATURE PROTECTION OF CONCRETE WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE ITEM "PATCHING CONC, C-L" OR "PATCHING CONC, F-L".



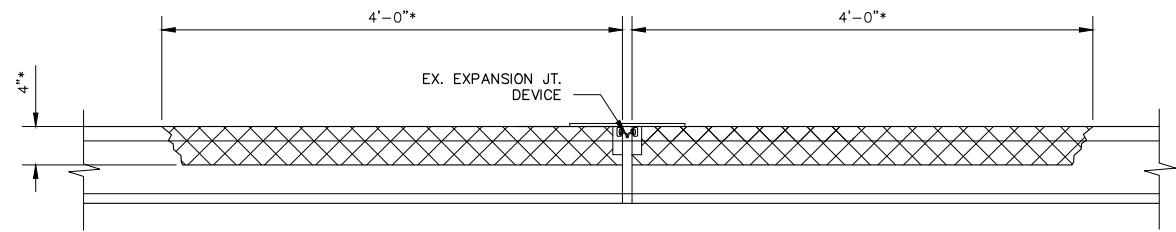
REV.	DESCRIPTION	DATE	DRAWN	CHECKED

CITY OF ANN ARBOR  
 PUBLIC SERVICE  
 301 EAST HURON STREET  
 ANN ARBOR, MI 48107-8647  
 ANN ARBOR 734-784-4410  
 www.a2gov.org

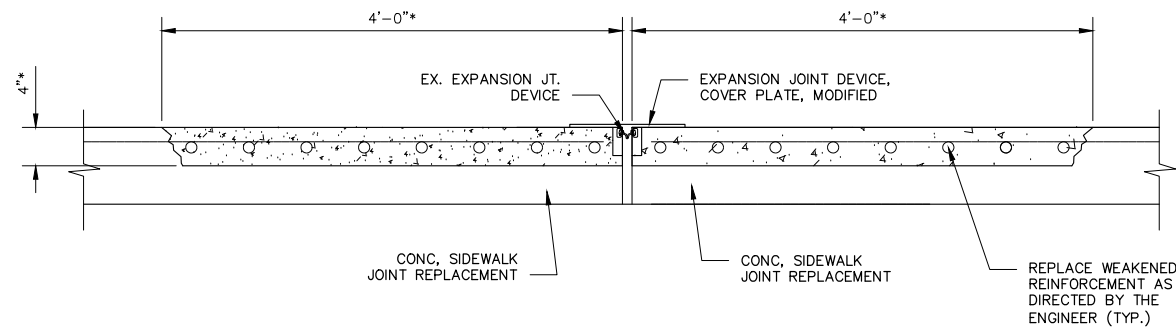


PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 CITY OF ANN ARBOR HURON PARKWAY BRIDGE  
 CAPITAL PREVENTIVE MAINTENANCE REPAIRS  
 HURON PARKWAY COVER HURON RIVER  
 SIDEWALK REHABILITATION DETAILS

SCALE NONE  
 PROFILE: NA  
 DRAWING No. 2021-024

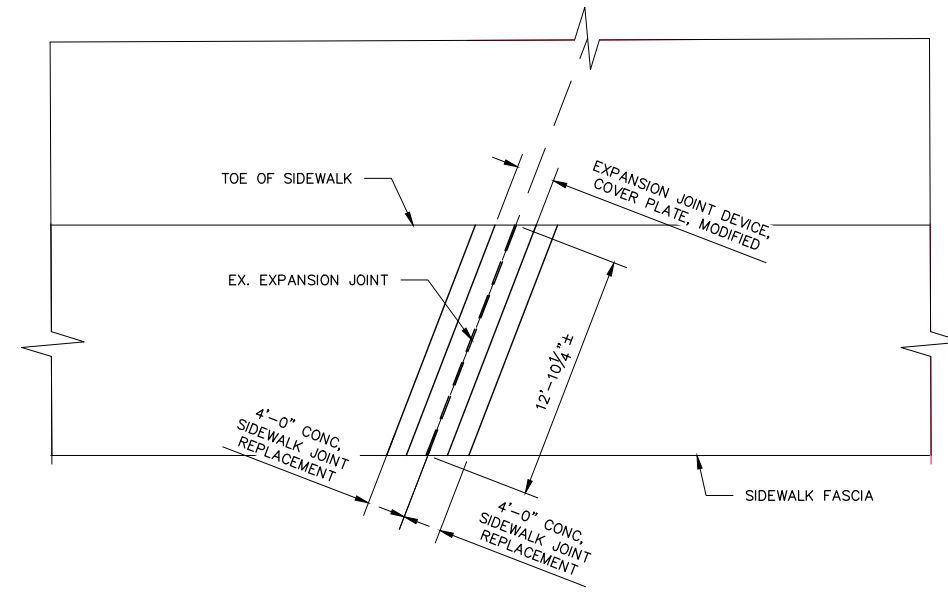


EXISTING SECTION THROUGH SIDEWALK



PROPOSED SECTION THROUGH SIDEWALK

\* DIMENSIONS GIVEN ARE APPROXIMATE AND SHALL BE DETERMINED BY THE ENGINEER



PLAN  
(4 REQUIRED)

MISCELLANEOUS QUANTITIES		
500	Lb	**Reinforcement, Steel, Epoxy Coated
13	Ft	Expansion Joint Cover Plate
52	Ft	Expansion Joint Device, Cover Plate, Modified
6	Cyd	*Conc, Sidewalk Joint Replacement

- \*\* STEEL REINFORCEMENT NEEDED TO REPLACE WEAKENED REINFORCEMENT FOUND DURING CONCRETE REPAIRS
- \* FOR USE AS DIRECTED BY THE ENGINEER

NOTES:

THE EXPANSION JOINT COVER PLATE OVER THE WEST SIDEWALK AT THE SOUTH EXPANSION JOINT IS DAMAGED. THIS COVER PLATE SHALL BE REPLACED. THE NEW COVER PLATE SHALL BE INCLUDED FOR PAYMENT IN "EXPANSION JOINT, COVER PLATE". THE OTHER THREE EXPANSION JOINT COVER PLATES SHALL BE SALVAGED. ALL FOUR EXPANSION JOINT COVER PLATES SHALL HAVE SLIP-RESISTANT COATING APPLIED BEFORE BEING REINSTALLED, INCLUDED FOR PAYMENT IN "EXPANSION JOINT, COVER PLATE, MODIFIED".



REV. DATE DRAWN CHECKED

DESCRIPTION

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DESCRIPTION

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DESCRIPTION

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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

CITY OF ANN ARBOR HURON PARKWAY BRIDGE  
CAPITAL PREVENTIVE MAINTENANCE REPAIRS  
RAILING REHAB DETAIL

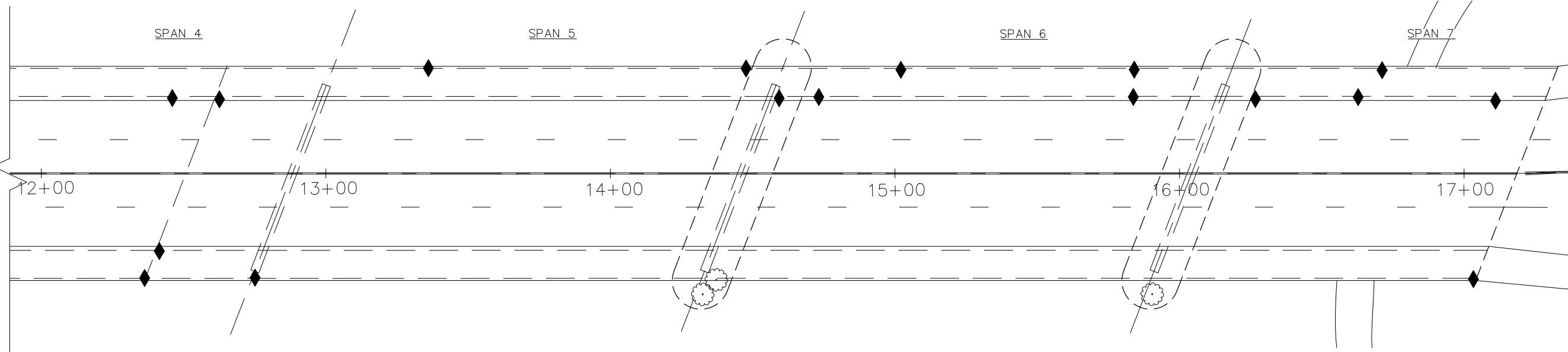
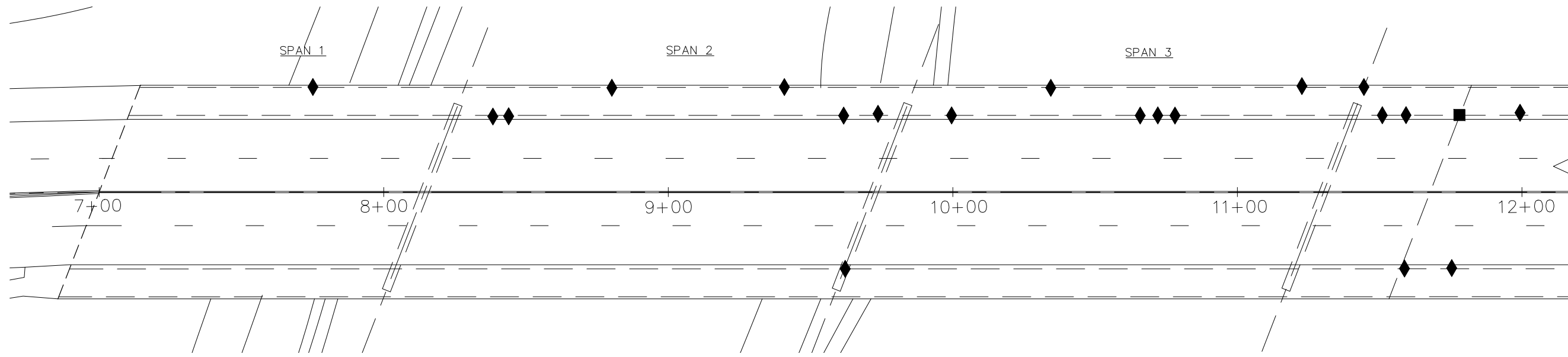
PROFILE: NA



DRAWING No. 2021-024

SHEET No.

18 of 18



RAILING PLAN

MISCELLANEOUS QUANTITIES	
1	LS Steel Railing Repair (SN 11074)
20	Sft Field Repr of Damaged Galvanized Coating

LEGEND	
◆	SPOT RUST
■	BENT RAILING