STATE OF OHIO

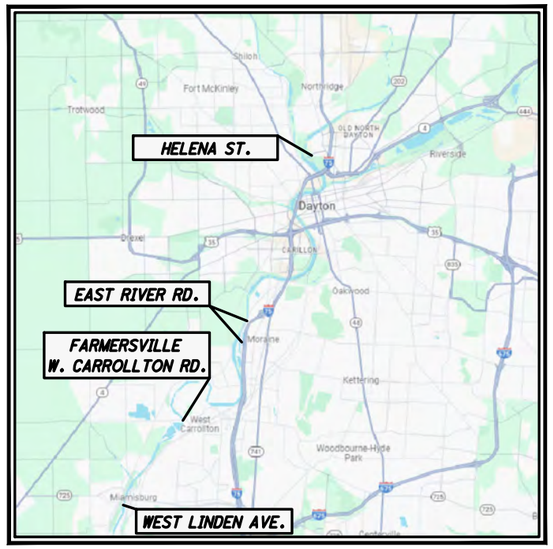
DEPARTMENT OF TRANSPORTATION

MOT-GMR TRAIL IMP CR22A

CITY OF MIAMISBURG CITY OF MORAINE

CITY OF WEST CARROLTON CITY OF DAYTON

MONTGOMERY COUNTY, OHIO



LOCATION MAP

LATITUDE: 39° 42′ 32″ LONGITUDE: 84° 13′ 52″

PORTION TO BE IMPROVED _____

STATE & FEDERAL ROUTES _____

OTHER ROADS _____

N

INDEX OF SHEETS:

DESIGN DESIGNATION

DESIGN HOURLY VOLUME (2046)	N/A
DIRECTIONAL DISTRIBUTION	N/A
TRUCKS (24 HOUR B&C)	N/A

DESIGN FUNCTIONAL CLASSIFICATION:
N/A (SEE L&D VIII 1302.3)

NHS PROJECT _____ NO

DESIGN EXCEPTIONS: NONE REQUIRED

ADA DESIGN WAIVERS: NONE REQUIRED

WEST LINDEN AVENUE (CITY OF MIAMISBURG)

CURRENT ADT (2026)	10,300
DESIGN YEAR ADT (2046)	11,300
DESIGN SPEED	25
LEGAL SPEED	25

FARMERSVILLE W. CARROLTON ROAD (CITY OF W. CARROLTON)

CURRENT ADT (2026)	5,000
DESIGN YEAR ADT (2046)	5,500
DESIGN SPEED	30
LEGAL SPEED	30

EAST RIVER ROAD (CITY OF MORAINE)

CURRENT ADT (2026)	1,400
DESIGN YEAR ADT (2046)	1,600
DESIGN SPEED	35
LEGAL SPEED	35

EAST HELENA STREET (CITY OF DAYTON)

CURRENT ADT (2026)	8,600
DESIGN YEAR ADT (2046)	9,400
DESIGN SPEED	35
LEGAL SPEED	35

FINAL TRACINGS - JULY 18, 2025

DATES TO BE ADDED PRIOR TO FINAL TRACINGS SUBMITTAL

OHIO DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION DRAWINGS							SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS
BP-5.1	7-18-2025	TC-41.20	10-18-2013				800	7-18-2025	
BP-7.1	7-18-2025	TC-41.30	4-21-2023				832	7-18-2025	
		TC-41.40	10-18-2013				916	7-19-2024	
HL-10.13	1-20-2023	TC-42.20	10-18-2013						
HL-20.11	7-18-2025	TC-52.10	10-18-2013						
HL-60.11	7-21-2017	TC-52.20	1-15-2021						
		TC-74.10	7-21-2023						
MT-97.10	7-18-2025	TC-83.20	7-18-2025						
MT-101.60	1-17-2025	TC-87.10	7-18-2025						
MT-101.90	7-17-2020								
MT-110.10	7-19-2013								

ENGINEERS SEAL

STATE OF OHIO · NICHOLAS J. SELHORST 79554 · REGISTERED PROFESSIONAL ENGINEER

SIGNED: Nicholas Selhorst Digitally signed by Nicholas Selhorst Date: 2026.01.14 12:50:16 -05'00'

DATE: _____

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig
OHIO811.org Before You Dig
OHIO811. 8-1-1. or 1-800-362-2764
(Non-members must be called directly)

PLAN PREPARED BY:

ChoiceOne Engineering
440 E. HOEWISHER ROAD ♦ SIDNEY, OHIO 45365 ♦ 937.497.0200
8956 GLENDALE MILFORD ROAD, SUITE 1 ♦ LOVELAND, OHIO 45140 ♦ 513.239.8554
www.CHOICEONEENGINEERING.COM

FEDERAL PROJECT NO.
E230 (859)

RAILROAD INVOLVEMENT
NONE

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE IMPROVEMENT OF FIVE MULTI-USE TRAIL CROSSINGS FOR THE GREAT MIAMI RIVER TRAIL INCLUDING ADA CURB RAMPS, HIGH VISIBILITY CROSSWALKS, HIGH VISIBILITY SIGNAGE AND RRFB'S.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	0.25 ACRES
ESTIMATED CONTRACTOR E.D.A.:	0.10 ACRES
NOTICE OF INTENT E.D.A.:	0.35 ACRES

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

THE MIAMI CONSERVANCY DISTRICT

John W. O'Brien
District 07 Deputy Director

Pamela Boratyn
Director, Department of Transportation

TITLE SHEET

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER
IJW

REVIEWER
NNS 7-18-2025

PROJECT ID
119384

SHEET P:1 | TOTAL 24

MOT-GMR TRAIL IMP CR22A

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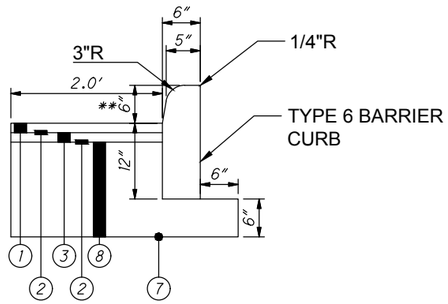
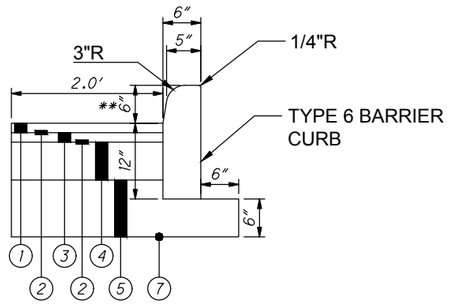
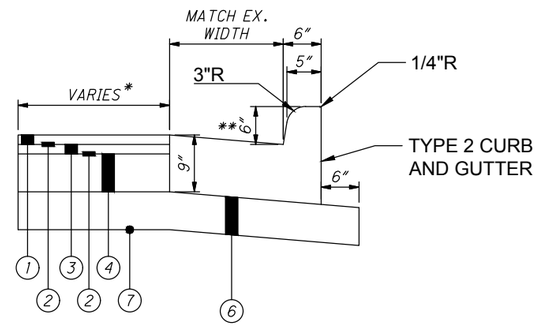


TYPE 6 BARRIER CURB
REPLACEMENT AND ASPHALT PAVEMENT REPAIR (CITY OF DAYTON)



TYPE 6 BARRIER CURB
REPLACEMENT AND ASPHALT PAVEMENT REPAIR



** WIDTH VARIES SEE PLAN SHEETS*
*** UNLESS OTHERWISE SHOWN IN THE INTERSECTION DETAILS*

TYPE 2 CURB AND GUTTER
REPLACEMENT AND ASPHALT PAVEMENT REPAIR

LEGEND

1. *ITEM 441 - 1.5″ ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22*
2. *ITEM 407 - NON-TRACKING TACK COAT (APPLIED @ 0.060 GAL/SY)*
3. *ITEM 441 - 1.5″ ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (449)*
4. *ITEM 301 - 6″ ASPHALT CONCRETE BASE, PG64-22 (449) (MATCH EXISTING ASPHALT THICKNESS)*
5. *ITEM 304 - 9″ AGGREGATE BASE (6″ MAXIMUM LIFTS)*
6. *ITEM 304 - 6″ AGGREGATE BASE*
7. *ITEM 204 - SUBGRADE COMPACTION*
8. *ITEM 613 - LOW STRENGTH MORTAR BACKFILL*

TYPICAL SECTIONS

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	IJW
REVIEWER	NNS 7-18-2025
PROJECT ID	119384
SHEET	P.2
TOTAL	24

MOT-GMR TRAIL IMP CR22A

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ELEVATION DATUM

ALL ELEVATIONS ARE BASED ON NAVD 88 (ODOT VRS GEOID 18).

UTILITY STATEMENT

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. CHOICE ONE ENGINEERING CORPORATION MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. FURTHER, CHOICE ONE ENGINEERING CORPORATION DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH CHOICE ONE ENGINEERING CORPORATION DID LOCATE AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. CHOICE ONE ENGINEERING CORPORATION HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

UTILITY OWNERSHIP

STORM, SEWER, WATER, STREETS, AND TRAFFIC SIGNALS

CITY OF WEST CARROLLTON
300 E CENTRAL AVE
WEST CARROLLTON, OHIO 45449
ATTN: RICH NORTON
(937) 859-5184

CITY OF MIAMISBURG
20 E CENTRAL AVE
MIAMISBURG, OHIO 45342
ATTN: BOB STANLEY
(937) 847-6531

CITY OF MORAINE
4200 DRYDEN RD
MORAINE, OHIO 45439
ATTN: MICHAEL DAVIS
(937) 535-1002

CITY OF DAYTON
101 WEST THIRD ST
DAYTON, OHIO 45402
ATTN: JOE WEINEL
(937) 333-4218

DAYTON WATER AND SEWER
320 W. MONUMENT AVE
DAYTON, OHIO 45402
ATTN: EMAD TOUFILS
(937) 333-2890

MONTGOMERY COUNTY
ENVIRONMENTAL SERVICES
1850 SPAULDING ROAD
KETTERING, OHIO 45432
ATTN: ED SCHLAACK
(937) 781-2632

OHIO UTILITIES PROTECTION
SERVICE 2 WORKING DAYS BEFORE
YOU DIG CALL TOLL FREE
800-362-2764

LIGHTING

MIAMI VALLEY LIGHTING
1065 WOODMAN DRIVE,
DAYTON, OHIO 45432
ATTN: NAOMI SAURO
(937) 613-1651

TELEPHONE

ALTA FIBER
221 E 4TH ST
BUILDING 121-900
CINCINNATI, OHIO 45201
ATTN: ROAD PROJECTS
(513) 566-3151

AT&T OHIO
7201 FAR HILLS AVE.
DAYTON, OHIO 45459
ATTN: HOWARD LAUDERMILK
(937) 296-3588

CHARTER COMMUNICATIONS
3691 TURNER ROAD
DAYTON, OHIO 45415
ATTN: TARA WILLIAMSON
(937) 396-8386

ELECTRIC

AES ELECTRIC
1900 DRYDEN ROAD
DAYTON, OHIO 45439
ATTN: WILLIAM WARD
(937) 554-9063

GAS

CENTERPOINT ENERGY
6500 CLYO ROAD
CENTERVILLE, OHIO 45459
ATTN: GREGORY FISHMAN
(937) 312-2521

THE CONTRACTOR SHALL CONTACT THE CITY OF DAYTON, DEPARTMENT OF WATER, CONSTRUCTION INSPECTION, 320 WEST MONUMENT AVENUE, DAYTON , OHIO 45402, AT (937)-333-3725 PRIOR TO BEGINNING WATER SERVICE WORK.

ESTIMATED AND CONTINGENT QUANTITIES

THE CONTRACTOR SHALL NEITHER ORDER MATERIALS NOR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

WORK LIMITS

ALL WORK SHALL BE WITHIN EXISTING OR PROPOSED RIGHT-OF-WAY AND/OR CONSTRUCTION LIMITS UNLESS OTHERWISE INSTRUCTED BY THE MIAMI CONSERVANCY DISTRICT.

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

EXISTING UTILITY CONFLICT NOTE

IT IS THE INTENT THAT ALL KNOWN CONFLICTING UTILITY POLES AND UNDERGROUND TELEPHONE, GAS, ELECTRIC, AND CABLE SHALL BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION.

PROPERTY POINTS AND SURVEY MONUMENTS

CARE SHALL BE TAKEN BY THE CONTRACTOR TO SAFEGUARD ANY PROPERTY POINTS OR OTHER SURVEY REFERENCE MARKS ENCOUNTERED DURING CONSTRUCTION OF THIS PROJECT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESET ANY PROPERTY POINT OR SURVEY MONUMENT WHICH IS DISTURBED AS A RESULT OF CONSTRUCTION OF THIS PROJECT. THE PROPERTY POINTS AND SURVEY MONUMENTS SHALL BE RESET UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL SURVEYOR.

PAYMENT FOR THIS ITEM SHALL BE INCIDENTAL TO THE OTHER ITEMS PAID FOR IN THIS PROJECT.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, TOPSOIL	33 CU. YD.
659, SEEDING AND MULCHING, CLASS 1	300 SQ. YD.
659, REPAIR SEEDING AND MULCHING	15 SQ. YD.
659, INTER-SEEDING	15 SQ. YD.
659, COMMERCIAL FERTILIZER	0.04 TON
659, LIME	0.06 ACRE
659, WATER	1.66 M. GAL.

PROTECTION OF THE GREAT MIAMI RIVER RECREATION TRAIL

SIGNED DETOURS WILL BE PROVIDED TO DIRECT TRAIL USERS AT EACH OF THE PROJECT LOCATIONS. APPROPRIATE TEMPORARY CONSTRUCTION FENCING, BARRIERS AND/OR SIGNAGE SHALL BE INSTALLED ALONG PROPOSED CONSTRUCTION LIMITS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES TO PROTECT TRAIL USERS.

ACCESS TO THE GREAT MIAMI RIVER RECREATION TRAIL, OUTSIDE OF THE CONSTRUCTION LIMITS, SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.

PROTECTION OF THE GREAT MIAMI RIVER WATER TRAIL

THE CONTRACTOR SHALL NOT TAKE ANY ACTION THAT PREVENTS OR IMPEDES ON RIVER ACCESS AT THE GREAT MIAMI RIVER WATER TRAIL.

PROTECTION OF ISLAND METOPARK AND KETTERING FIELD

THE CONTRACTOR SHALL NOT RESTRICT ACCESS TO ISLAND METROPARK AND KETTERING FIELD. THE CONTRACTOR SHALL NOT STAGE EQUIPMENT OR MATERIALS WITHIN ISLAND METROPARK OR KETTERING FIELD.

ITEM 608 CURB RAMP, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 608 WALKS, CURB RAMPS, AND STEPS, EXCEPT AS HEREIN MODIFIED.

CURB RAMPS SHALL HAVE A MINIMUM THICKNESS OF 7". ALSO 6" OF 411 STABILIZED CRUSHED AGGREGATE SATURATED WITH WATER PRIOR TO COMPACTION SHALL BE PLACED UNDER ALL PROPOSED CURB RAMPS.

REFERENCE ODOT STANDARD CONSTRUCTION DRAWING BP-7.1 FOR MORE INFORMATION. ALL CURB RAMPS SHALL MEET ADA REQUIREMENTS.

PAYMENT FOR ITEM 608 CURB RAMP AS PER PLAN, FOR ALL OPERATIONS DESCRIED ABOVE, SHALL BE AT THE CONTRACT SQUARE FOOT BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPETE THIS ITEM OF WORK.

ITEM 630 SIGNING MISC.: SOLAR-POWERED BORDER-ENHANCED LED SIGN ASSEMBLY

THIS WORK SHALL CONSIST OF FURNISHING AND INSTALLING A SOLAR POWERED BORDER ENHANCED LED SIGN ASSEMBLY. THE SIGN ASSEMBLY SHALL BE SOLAR POWERED AND 2-SIDED WITH FLASHING YELLOW LEDs ON EACH SIDE. THE UNIT SHALL BE SELF-POWERED BY SOLAR PANELS AND BATTERIES WITH NO EXTERNAL ELECTRICAL POWER INSTALLATION. THE UNIT SHALL BE COMPLIANT WITH THE MOST CURRENT OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD).

THE FOLLOWING CRITERIA SHALL BE MET:

1. THE NEW UNIT SHALL ATTACH SECURELY TO THE PROPOSED SIGN SUPPORT USING A TAMPER RESISTANT FASTENING SYSTEM. SPECIAL TOOLS NEEDED FOR THE TAMPER RESISTANT FASTENING SYSTEM SHALL BE SUPPLIED WITH EACH SIGN.
2. EACH SIGN UNIT SHALL BE IDENTIFIED WITH THE MANUFACTURER'S NAME, DATE OF MANUFACTURE, AND SERIAL NUMBER ON THE BACK SIDE.
3. THE SIGN UNIT SHALL BE VISIBLE AT A MINIMUM OF ¼ MI. DURING ALL CONDITIONS.
4. THE SIGN UNIT SHALL INCORPORATE CIRCUITRY AND A PHOTOCELL TO ENSURE THAT IS HAS BRIGHTNESS ADJUSTMENT DURING DAY, DUSK, AND AT NIGHT.
5. THE LENS OF THE LED UNIT SHALL BE CAPABLE OF WITHSTANDING ULTRAVIOLET LIGHT (DIRECT SUNLIGHT) EXPOSURE FOR A MINIMUM TIME PERIOD OF FIVE YEARS WITHOUT EXHIBITING EVIDENCE OF DETERIORATION.
6. THE LENSES SHALL WITHSTAND A 3 FOOT DROP TEST ONTO A HARD SURFACE AND SHALL BE A MINIMUM OF ¼ INCH THICK AND FREE OF BUBBLES AND IMPERFECTIONS. THE LENSES SHALL BE SMOOTH ON THE OUTSIDE, WITH NO EXTERNAL FACETS TO PREVENT DIRT AND DEBRIS BUILD-UP.
7. IF LENSES ARE TINTED, THEY SHALL MATCH THE WAVELENGTH (CHRMOATICITY) OF THE LED.
8. THE INDIVIDUAL LED LIGHT SOURCES SHALL BE WIRED SO THAT A CATASTROPHIC FAILURE OF ONE LED LIGHT SOURCE WILL NOT RESULT IN THE LOSS OF MORE THAN ONE LED LIGHT SOURCE IN THE SIGN UNIT.
9. LED UNITS AND ASSOCIATED ON-BOARD CIRCUITRY SHALL CONFORM TO THE REQUIREMENTS IN FEDERAL COMMUNICATIONS COMMISSION (FCC) TITLE 47, SUB PART B, SECTION 15 REGULATIONS CONCERNING THE EMISSION OF ELECTRONIC NOISE.
10. LEDS SHALL BE RATED FOR USE IN THE AMBIENT OPERATING TEMPERATURE RANGE OF -40OF TO +166OF. (=-40OC TO +74OC)
11. THE LED'S WIRING SHALL BE SEALED WATERTIGHT TO ELIMINATE DIRT CONTAMINATION AND ALLOW FOR SAFE HANDLING IN ALL WEATHER CONDITIONS. THE LEDS SHALL BE SEALED AGAINST DUST AND MOISTURE INTRUSION AS PER THE REQUIREMENTS OF NEMA STANDARD 250-1991 FOR TYPE 4 ENCLOSURES AND TO PROTECT ALL INTERNAL LED AND ELECTRICAL COMPONENTS.
12. THE SIGN LEDS SHALL DISPLAY A MINIMUM OF 500,000 MCD FOR DAYTIME VISIBILITY.

ITEM 630 SIGNING MISC.: SOLAR-POWERED BORDER-ENHANCED LED SIGN ASSEMBLY (CONTINUED)

MATERIALS -

FURNISH A COMPLETE ASSEMBLY, CONSISTING OF, BUT NOT LIMITED TO, SIGNAGE, SIGN MOUNTING HARDWARE, INDICATIONS, AND ELECTRICAL COMPONENTS (WIRING, SOLID-STATE CIRCUIT BOARDS, ETC.). THE SIGN ASSEMBLY INCLUDES THE FOLLOWING ITEMS:

1. BATTERY AND SOLAR PANELS
   A. BATTERY UNIT SHALL BE A 12VDC, 35 AHR MINIMUM, SEALED GEL OR AGM LEAD ACID BATTERY. BATTERIES SHALL HAVE A WRITTEN TWO YEAR FULL REPLACEMENT WARRANTY.
   B. THE SOLAR PANEL SHALL PROVIDE A MINIMUM OF 40 WATTS PEAK TOTAL OUTPUT.
   C. THE SOLAR PANEL SHALL BE MOUNTED TO AN ALUMINUM PLATE AND BRACKET AT AN ANGLE OF 45 DEGREES-60 DEGREES TO PROVIDE MAXIMUM OUTPUT.
   D. ALL FASTENERS USED SHALL BE ANTI-VANDAL.

WARRANTY -

1. THE LED ENHANCED SIGN UNIT SHALL BE REPAIRED OR REPLACED BY THE MANUFACTURER IF IT EXHIBITS A FAILURE DUE TO WORKMANSHIP OR MATERIAL DEFECTS WITHIN 2 YEARS OF FIELD OPERATION.

2. THE MANUFACTURER SHALL PROVIDE A WRITTEN WARRANTY AGAINST DEFECTS IN MATERIALS, WORKMANSHIP, AND LUMINOUS INTENSITY FOR THE LED ENHANCED SIGN UNIT FOR A PERIOD OF 2 YEARS AFTER INSTALLATION. A REPLACEMENT LED ENHANCED SIGN UNIT SHALL BE PROVIDED WITHIN 10 DAYS AFTER RECEIPT OF FAILED UNIT AT NO COST, EXCEPT THE COST OF SHIPPING THE FAILED UNIT.

PAYMENT FOR ITEM 630 SIGNING MISC.: SOLAR-POWERED BORDER ENHANCED LED SIGN ASSEMBLY SHALL BE MADE AT THE CONTRACT BID PRICE, EACH, COMPLETELY INSTALLED IN PLACE AND FULLY FUNCTIONAL INCLUDING ALL MATERIAL, LABOR, AND EQUIPMENT REQUIRED TO FURNISH THE SIGN WITH SOLAR POWERED LED's AND MOUNT THE SOLAR UNIT TO THE SIGN SUPPORT PER THE MANUFACTURERS RECOMMENDATIONS.

ITEM 630 - SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY, AS PER PLAN

THIS WORK SHALL CONSIST OF FURNISHING AND INSTALLING A SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY PER ODOT STD. DWG. TC-87.10. THE FLASHING UNIT SHALL BE SOLAR POWERED, PEDESTRIAN ACTIVATED, AND 2-SIDED WITH TWO LED ARRAY BASED YELLOW INDICATIONS ON EACH SIDE. MULTIPLE UNITS SHALL BE WIRELESSLY CONTROLLED AND SYNCHRONIZED. THE UNIT SHALL BE COMPLIANT WITH THE MOST CURRENT OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD) AND FHWA INTERIM APPROVALS FOR RRFBS (IA-21).

GENERAL REQUIREMENTS - EACH RRFB SHALL CONSIST OF TWO RAPIDLY FLASHED RECTANGULAR-SHAPED YELLOW INDICATIONS HAVING LED ARRAY BASED LIGHT SOURCE.

EACH RRFB SHALL BE A COMPLETE ASSEMBLY, CONSISTING OF BUT NOT LIMITED TO, SIGNAGE, SIGN MOUNTING HARDWARE, INDICATIONS AND ELECTRICAL COMPONENTS (WIRING, SOLID-STATE CIRCUIT BOARDS, ETC.).

EACH RRFB SHALL CONTAIN A PEDESTRIAN INDICATION LIGHT VISIBLE BY THE PEDESTRIAN IN THE DIRECTION OF TRAVEL.

FUNCTIONAL REQUIREMENTS - EACH RRFB SHALL UTILIZE SOLAR POWER.

EACH RRFB SHALL BE ACTIVATED BY ADA COMPLIANT PUSHBUTTONS.

THE RRFB SHALL BE NORMALLY DARK, SHALL INITIATE OPERATION ONLY UPON PEDESTRIAN ACTUATION, AND SHALL CEASE OPERATION AFTER A PREDETERMINED TIME LIMIT (BASED ON OMUTCD PROCEDURES).

GENERAL NOTES

DESIGN AGENCY
CHOICE ONE ENGINEERING
DESIGNER IJW
REVIEWER NNS 7-18-2025
PROJECT ID 119384

MOT-GMR TRAIL IMP CR22A
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ITEM 630 - SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY, AS PER PLAN (CONTINUED)

EACH REMOTE RRFB SHALL BE WIRELESSLY ACTIVATED.

ALL RRFB LIGHT INDICATIONS SHALL BE WIRELESSLY SYNCHRONIZED (ALL LIGHTS WILL TURN ON WITHIN 120 MSEC AND REMAIN SYNCHRONIZED THROUGHOUT THE DURATION OF THE FLASHING CYCLE).

THE UNIT SHALL BE CAPABLE FOR RUNNING 14 DAYS WITHOUT SUNLIGHT.

MATERIALS - FURNISH A COMPLETE ASSEMBLY, CONSISTING OF BUT NOT LIMITED TO, SIGNAGE, SIGN MOUNTING HARDWARE, INDICATIONS, CROSSWALK LIGHTS, AND ELECTRICAL COMPONENTS (WIRING, SOLID-STATE CIRCUIT BOARDS, ETC.). THE RRFB ASSEMBLY INCLUDES THE FOLLOWING ITEMS:

1. RRFB INDICATIONS:

   A. EACH RRFB INDICATION LENS SHALL BE A MINIMUM SIZE OF APPROXIMATELY 5" WIDE X 2" HIGH.

   B. THE RRFB INDICATIONS SHALL BE ALIGNED HORIZONTALLY, WITH THE LONGER DIMENSION OF THE INDICATION HORIZONTAL. THERE SHALL BE TWO INDICATIONS ON THE FRONT AND TWO INDICATIONS ON THE BACK.

   C. EACH RRFB SHALL BE SUPPLIED WITH ALL REQUIRED HARDWARE TO INSTALL ASSEMBLY. ALL EXPOSED HARDWARE SHALL BE ANTI-VANDAL.

   D. EACH RRFB SHALL BE LOCATED BETWEEN THE BOTTOM OF THE CROSSING WARNING SIGN AND THE TOP OF THE SUPPLEMENTAL DOWNWARD DIAGONAL ARROW PLAQUE.

   E. THE LIGHT INTENSITY OF THE YELLOW INDICATIONS SHALL MEET THE MINIMUM CLASS I SPECIFICATIONS OF SOCIETY OF AUTOMOTIVE ENGINEERS (SAE) STANDARD J595 (DIRECTIONAL FLASHING OPTICAL WARNING DEVICES FOR AUTHORIZED EMERGENCY, MAINTENANCE, AND SERVICE VEHICLES) DATED JANUARY, 2005.

   F. TO MINIMIZE EXCESSIVE GLARE DURING NIGHTTIME CONDITIONS, AN AUTOMATIC SIGNAL DIMMING DEVICE SHALL BE USED TO REDUCE THE BRILLIANCE OF THE RRFB INDICATIONS.

   G. AN LED PEDESTRIAN CONFIRMATION LIGHT DIRECTED AT AND VISIBLE TO PEDESTRIANS IN THE CROSSWALK SHALL BE INSTALLED INTEGRAL TO THE RRFB OR PUSHBUTTON TO GIVE CONFIRMATION THAT THE RRFB IS IN OPERATION.

   H. THE PEDESTRIAN CONFIRMATION LIGHT SHALL HAVE A MINIMUM AREA OF 0.5 SQUARE INCHES AND BE CONSPICUOUS TO PEDESTRIANS AT ALL DISTANCES FROM THE BEGINNING OF THE CONTROLLED CROSSWALK TO A POINT 10 FEET FROM THE END OF THE CONTROLLED CROSSWALK DURING BOTH DAY AND NIGHT.

2. SIGNS: SIGN TYPES AND SIZES TO MATCH ODOT TC-87.10

   A. ALL SIGN ASSEMBLIES SHALL USE ANTI-VANDAL FASTENERS TO MOUNT COMPONENTS TO SIGN AND SIGN TO FIXTURE.

   B. PEDESTRIAN PUSHBUTTONS SIGNS SHALL BE PROVIDED AND INCLUDE THE LEGEND "PUSH BUTTON TO TURN ON WARNING LIGHTS". SIGNS SHOULD BE MOUNTED ADJACENT TO OR INTEGRAL WITH EACH PEDESTRIAN PUSHBUTTON.

   C. TWO SETS OF SIGNS SHALL BE REQUIRED PER UNIT FOR VIEW FROM EACH APPROACH.

   D. ASSURE SIGN MEETS THE REQUIREMENTS OF CMS 630.

ITEM 630 - SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY, AS PER PLAN (CONTINUED)

3. CONTROL CIRCUIT:

   A. THE CONTROL CIRCUIT SHALL HAVE THE CAPABILITY OF INDEPENDENTLY FLASHING UP TO TWO INDEPENDENT OUTPUTS. THE LED LIGHT OUTPUTS AND FLASH PATTERN SHALL BE COMPLETELY PROGRAMMABLE.

   B. THE CONTROL CIRCUIT SHALL BE SEALED WATERTIGHT TO ELIMINATE DIRT CONTAMINATION AND ALLOW FOR SAFE HANDLING IN ALL WEATHER CONDITIONS.

   C. THE LEDS SHALL BE SEALED AGAINST DUST AND MOISTURE INTRUSION AS PER THE REQUIREMENTS OF NEMA STANDARD 250-1991 FOR TYPE 4 ENCLOSURE AND TO PROTECT ALL INTERNAL LED AND ELECTRICAL COMPONENTS.

4. BATTERY AND SOLAR PANELS:

   A. BATTERY UNIT SHALL BE A 12VDC, 35 AHR MINIMUM, SEALED GEL OR AGM LEAD ACID BATTERY. BATTERIES SHALL HAVE A WRITTEN TWO YEAR FULL REPLACEMENT WARRANTY.

   B. THE SOLAR PANEL SHALL PROVIDE A MINIMUM OF 40 WATTS PEAK TOTAL OUTPUT.

   C. THE SOLAR PANEL SHALL BE MOUNTED TO AN ALUMINUM PLATE AND BRACKET AT AN ANGLE OF 45 DEGREES - 60 DEGREES TO PROVIDE MAXIMUM OUTPUT.

   D. ALL FASTENERS USED SHALL BE ANTI-VANDAL.

5. WIRELESS RADIO:

   A. RADIO CONTROL SHALL OPERATE ON A 900 MHZ FREQUENCY HOPPING SPREAD SPECTRUM NETWORK, WI-FI OR APPROVED EQUAL.

   B. RADIO SHALL INTEGRATE COMMUNICATION OF RRFB CONTROL CIRCUIT TO ACTIVATE SIGN FROM PUSHBUTTON INPUT.

   C. THE RADIO SHALL BE SYNCHRONIZED THROUGH-OUT THE DURATION OF THE FLASHING CYCLE.

6. PUSHBUTTON:

   A. THE PUSHBUTTON SHALL BE CAPABLE OF CONTINUOUS OPERATION OVER A TEMPERATURE RANGE OF -30 DEGREES F TO +165 DEGREES F.

   B. PUSHBUTTON SHALL BE ADA COMPLIANT.

7. PEDESTAL SHAFT AND BASE:
MOUNT ON A STANDARD 4.5-INCH OD ALUMINUM PEDESTAL POLE WITH BREAKAWAY BASE. A 14 FOOT POLE SHALL BE PROVIDED AND FIELD ADJUSTED AND CAPPED TO MAINTAIN THE PROPER SIGN MOUNTING HEIGHTS, UNLESS SPECIFIED OTHERWISE IN THE PLANS. POLE AND BASE MANUFACTURER SHALL BE LISTED ON ODOT'S QUALIFIED PRODUCTS LIST. PAYMENT FOR PEDESTAL BASE SHALL BE INCLUDED IN ITEM 630-SIGNING, MISC: SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY, AS PER PLAN.

8. PEDESTAL FOUNDATION:
PROVIDE PEDESTAL FOUNDATION ACCORDING TO STANDARD CONSTRUCTION DRAWING TC-83.20. PAYMENT FOR PEDESTAL FOUNDATION SHALL BE INCLUDED IN ITEM 630-SIGNING, MISC: SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY, AS PER PLAN.

9. ON-DEMAND SOLAR-POWERED LIGHTING, IF USED, SHALL BE ACTIVATED CONCURRENTLY WITH FLASHING BEACONS.

ITEM 630 - SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY, AS PER PLAN (CONTINUED)

CONSTRUCTION - THE RRFB SHALL BE ASSEMBLED AND CONSTRUCTED BY THE CONTRACTOR AS SHOWN AND SPECIFIED ON THE PLANS.

WARRANTY - WARRANTY SHALL BE TWO YEARS FROM THE DATE OF FINAL ACCEPTANCE.

MEASUREMENT - THE MIAMI CONSERVANCY DISTRICT WILL MEASURE THE ITEM COMPLETE IN PLACE, INCLUDING ALL MATERIALS, TESTING, LABOR AND SOFTWARE FOR A FULLY FUNCTIONAL UNIT.

PAYMENT - PAYMENT WILL BE AT THE CONTRACT UNIT PRICE PER EACH FOR ITEM 630 - SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY, AS PER PLAN.

ITEM 630 - SIGNING, MISC.: REMOVAL AND REINSTALLATION OF BIKEWAY GUIDE SIGN AND POST, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 630 - TRAFFIC SIGNS AND SIGN SUPPORT, EXCEPT AS HEREIN MODIFIED:

EXISTING BIKEWAY GUIDE SIGNS AT THE THE INTERSECTION OF EAST HELENA STREET AND NORTH BEND BOULEVARD ARE CUSTOM. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND RELOCATING THE GUIDE SIGN ALONG WITH THE SUPPORT SYSTEM. ALL PARTS OF THE GUIDE SIGN SUPPORT ARE TO BE SALVAGED AND THE CONTRACTOR IS TO RESET THE SIGN POST IN A 42" DEEP CONCRETE FOUNDATION WITH A DIAMETER OF 15". NO BARE ALUMINUM SHALL BE IN CONTACT WITH ANY OTHER METALS, WOOD OR CONCRETE. CONTACT SURFACES SHALL BE SEPARATED BY A COATING OF ZINC CHROMATE AND ALUMINUM PAINT, OR A HEAVY BODY BITUMINOUS PAINT OR BY A GASKET. THE CONTRACTOR SHALL BE RESPONSIBLE IF ANY ASPECT OF THE EXISTING SIGNAGE IS DAMAGED DURING THE RELOCATION PROCESS.

PAYMENT FOR ITEM 630 SIGNING, MISC.: REMOVAL AND REINSTALLATION OF BIKEWAY GUIDE SIGN AND POST, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT EACH BID PRICE AND SHALL INCLUDE ALL MATERIAL, LABOR, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

CITY OF DAYTON WATER WORKS GENERAL NOTES 2.1 (APPLIES TO PROPOSED WATER WORK AT THE HELENA STREET LOCATION)

1. ALL EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATION ACCORDING TO THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE REQUIRED TO FIELD LOCATE EXACT LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES PRIOR TO SETTING GRADE AND ALIGNMENT. THE CITY OF DAYTON AND THE DEPARTMENT OF WATER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR DEPTH OF THE UNDERGROUND FACILITIES SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. IF DAMAGE IS CAUSED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF THE SAME AND FOR ANY RESULTING CONTINGENT DAMAGE. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. ALL COST FOR LOCATING, REMOVING AND REPLACING OR RELOCATING THESE UTILITIES SHALL BE INCIDENTAL TO CONSTRUCTION. ALL UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE UTILITY OWNER'S SATISFACTION. THE EXACT LOCATION OF EXISTING UTILITIES SHALL BE DETERMINED BY HAND DIGGING.

2. LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES, WHETHER OR NOT SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

3. WHEN UNKNOWN OR INCORRECTLY LOCATED UNDERGROUND UTILITIES ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY OWNER AND THE DEPARTMENT OF WATER.

4. ALL WORK SHALL CONFORM TO THE CITY OF DAYTON, CONSTRUCTION AND MATERIAL SPECIFICATIONS (LATEST EDITION).

5. NO CONSTRUCTION SHALL COMMENCE UNTIL CITY OF DAYTON PERMITS HAVE BEEN ISSUED AS REQUIRED.

6. ALL PROJECT ORDERS (FIELD OR OFFICE), REQUESTS, CHANGES, ADDITIONS OR DELETIONS PERTAINING TO PUBLIC WATER MAIN, STORM SEWER, AND SANITARY SEWER FACILITIES SHALL BE ONLY BY DIRECTION OR REQUEST OF THE DEPARTMENT OF WATER.

7. THE CONTRACTOR SHALL NOTIFY RESIDENTS AND BUSINESSES AFFECTED BY STREET CLOSURES A MINIMUM OF 48 HOURS IN ADVANCE OF THE ACTUAL STREET CLOSING.

8. ROADWAY RESTORATION WITHIN THE CITY OF DAYTON CORPORATION LIMITS SHALL BE DONE IN COMPLIANCE WITH THE DEPARTMENT OF PUBLIC WORKS "RULES AND REGULATIONS FOR MAKING OPENINGS IN A PUBLIC WAY" (LATEST EDITION).

9. FORTY-EIGHT HOURS PRIOR TO ANY CONSTRUCTION, EXCAVATION OR DIGGING, THE CONTRACTOR SHALL CALL AND NOTIFY THE OHIO UTILITIES PROTECTION SERVICES (OUPS) AT 1-800-362-2764. ALL OTHER AGENCIES, WHICH MIGHT HAVE UNDERGROUND UTILITIES IN THIS AREA AND ARE NOT MEMBERS OF OUPS, SHALL BE NOTIFIED DIRECTLY BY THE CONTRACTOR.

10. APPROVAL OF PLANS BY THE DEPARTMENT OF WATER DOES NOT RELIEVE THE DESIGNER, OWNER, OR PERSON IN CONTROL OF THE PROPERTY FROM LIABILITY FOR INJURY TO PERSONS OR PROPERTY.

11. APPROVAL OF THE PLANS SHALL BECOME VOID IF CONSTRUCTION HAS NOT COMMENCED WITHIN TWELVE (12) MONTHS FROM THE DATE APPROVED BY THE DEPARTMENT OF WATER. IN ADDITION, THE PLANS SHALL BECOME VOID IF CONSTRUCTION IS NOT COMPLETED WITHIN TWO (2) YEARS FROM THE DATE APPROVED BY THE DEPARTMENT OF WATER.

12. ALL FILLS (INCLUDING TRENCH BEDDING AND BACKFILL) INTENDED TO SUPPORT A WATER MAIN, SANITARY SEWER, STORM SEWER OR DRAINAGE CHANNEL SHALL BE COMPACTED TO NOT LESS THAN 90% MAXIMUM DENSITY (MODIFIED PROCTOR TEST ASTM D1557), UNLESS OTHERWISE NOTED. FIELD VERIFICATION AND FORMAL RESULT SUBMITTALS MAY BE REQUESTED (AS NECESSARY) BY THE DEPARTMENT OF WATER.

13. IN ADDITION TO THE NOTES ON THIS SHEET, CONTRACTOR'S ATTENTION SHALL BE DIRECTED TO THE NOTES ON THE ATTACHED SHEETS AS WELL.

14. COMPACTED FILLS ARE TO BE MADE TO A MINIMUM OF THREE FEET ABOVE THE CROWN OF ANY PROPOSED WATER LINE, SANITARY OR STORM SEWER LINES PRIOR TO CUTTING OF TRENCHES FOR PLACEMENT OF SAID LINES. ALL FILLS SHALL BE CONTROLLED, COMPACTED AND INSPECTED.

GENERAL NOTES

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DESIGN AGENCY
CHOICE ONE ENGINEERING
DESIGNER
IJW
REVIEWER
NNS 7-18-2025
PROJECT ID
119384
SHEET P.4 TOTAL 24

ITEM 614 - MAINTAINING TRAFFIC

IT IS THE INTENTION TO PERFORM THE REQUIRED WORK WITHIN THESE PLANS WITH THE LEAST INCONVENIENCE TO, AND THE MAXIMUM SAFETY OF, THE CONTRACTOR, LOCAL MERCHANTS, PEDESTRIAN TRAFFIC AND THE TRAVELING PUBLIC.

REQUIREMENTS FOR MAINTAINING TRAFFIC AS SPECIFIED IN THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (CURRENT EDITION, LATEST REVISION), PERTINENT PROVISIONS OF THE "OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS" (INCLUDING SUPPLEMENTAL SPECIFICATIONS) AND APPLICABLE STANDARD CONSTRUCTION DRAWINGS SHALL APPLY TO THIS PROJECT IN ADDITION TO THE FOLLOWING NOTES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SAFE AND EFFECTIVE VEHICULAR TRAFFIC CONTROL 24 HOURS A DAY FOR THE DURATION OF THIS PROJECT. THIS WILL INCLUDE PROVIDING, PLACING, MAINTAINING AND SUBSEQUENTLY REMOVING ALL NECESSARY TRAFFIC CONTROL DEVICES FOR ALL PROPOSED CONSTRUCTION OPERATIONS.

BEFORE THE WORK BEGINS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE NAME(S) AND TELEPHONE NUMBER(S) OF A PERSON OR PERSONS WHO CAN BE CONTACTED 24 HOURS A DAY BY THE ENGINEER, OR ANY OTHER INTERESTED POLICE AGENCY.

THIS PERSON OR PERSONS SHALL BE RESPONSIBLE FOR REPAIRING AND/OR REPLACING ALL TRAFFIC CONTROL DEVICES NEEDED TO MAINTAIN THE SAFETY OF THE TRAVELED PAVEMENT FOR THE DURATION OF THIS PROJECT. THIS PERSON SHALL HAVE AVAILABLE ALL MATERIALS, EQUIPMENT AND INCIDENTALS NECESSARY TO PERFORM THE REQUIRED REPAIRS WITHIN A REASONABLE PERIOD OF TIME AS PER C.M.S. 614.14.

THE CONTRACTOR SHALL ALSO SUBMIT A CONSTRUCTION SEQUENCING SCHEDULE PRIOR TO WORK BEGINNING FOR APPROVAL BY THE ENGINEER. THE CONSTRUCTION SEQUENCING SCHEDULE SHALL TAKE INTO CONSIDERATION ALL ASPECTS OF THE PROJECT, INCLUDING HOW LOCAL TRAFFIC TO BUSINESSES WILL BE MAINTAINED. THE CONSTRUCTION SEQUENCE WILL NEED TO BE APPROVED BY THE ENGINEER PRIOR TO ANY COMMENCEMENT OF WORK.

ACCESS FOR PROPERTY OWNER AND BUSINESS TRAFFIC SHALL BE MAINTAINED IN A UNIFORM PATTERN THROUGHOUT THE ENTIRE LENGTH OF THE PROJECT AND SHALL NOT BE SUBJECTED TO CONSTANT LANE SHIFTS. UTILIZE TEMPORARY PAVEMENT MARKINGS, TEMPORARY DRIVEWAYS, TEMPORARY WALKWAYS, ETC. TO ACCOMPLISH THIS.

ACCESS TO AND FROM ALL LOCAL RESIDENTIAL AND BUSINESS DRIVES WITHIN THE LIMITS OF THIS PROJECT SHALL BE MAINTAINED AT ALL TIMES (24 HOURS A DAY) BY USING THE EXISTING PAVEMENT, TEMPORARY PAVEMENT, AND THE PROPOSED PAVEMENT UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEQUENCE THE WORK TO HELP MINIMIZE THE NEED FOR TEMPORARY AGGREGATE PAVEMENT. TEMPORARY AGGREGATE PAVEMENT CAN BE ASPHALT GRINDINGS OR OTHER AGGREGATE APPROVED BY THE ENGINEER. THE COST OF INSTALLATION, MATERIAL, AND REMOVAL OF THE TEMPORARY AGGREGATE PAVEMENT IS TO BE PART OF THE ITEM 614 MAINTAINING TRAFFIC LUMP SUM.

WHERE MORE THAN ONE ACCESS TO A BUSINESS OR RESIDENCE EXISTS, ONLY ONE ACCESS NEEDS TO BE MAINTAINED AT A TIME. WHERE ONLY ONE DRIVE EXISTS, ACCESS SHALL BE MAINTAINED AT ALL TIMES BY CONSTRUCTION OF ONE-HALF OF THE DRIVEWAY AT ONE TIME SUBJECT TO THE APPROVAL OF THE ENGINEER.

TEMPORARY ACCESS SHALL BE PROVIDED TO ALL DRIVEWAYS AND ALLEYS WITH A CHANGE IN ELEVATION FROM DRIVEWAY ACCESS TO TEMPORARY DRIVE RAMP NOT TO EXCEED 1-1/2".

THE CONTRACTOR SHALL GIVE THE MIAMI CONSERVANCY DISTRICT AND ODOT DISTRICT 7 ROADWAY SERVICE MANAGER A MINIMUM OF 21 CALENDAR DAYS NOTICE PRIOR TO CLOSING ANY ROAD OR MOVEMENT TO TRAFFIC.

ITEM 614 - MAINTAINING TRAFFIC (CONTINUED)

MIAMI CONSERVANCY DISTRICT
38 EAST MONUMENT AVE.
DAYTON, OHIO 45402
(937) 223-1271

ODOT ROADWAY SERVICES MANAGER
1001 ST. MARYS AVE.
P.O. BOX 969
SIDNEY, OHIO 45365
(937) 497-6722

ANY DAMAGE TO MAINTENANCE OF TRAFFIC EQUIPMENT SUCH AS SIGNS, DRUMS, ETC. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCLUDED IN THIS PAY ITEM.

THE CONTRACTOR WILL BE REQUIRED TO PROVIDE, ERECT, MAINTAIN (IN PROPER POSITION, CLEAN AND LEGIBLE, AND IN GOOD WORKING CONDITION) AND SUBSEQUENTLY REMOVE ALL LIGHTS, SIGNS, CONES, BARRICADES, EXISTING PAVEMENT MARKINGS, AND ANY OTHER TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC.

THE CONTRACTOR SHALL ADJUST THE LOCATION AND/OR SPACING OF ALL TRAFFIC CONTROL CHANNELING DEVICES AS DICTATED BY THE PROGRESS OF THE REQUIRED WORK TO ALLOW CONSTRUCTION ACCESS TO WORK AREAS WHILE MAINTAINING SAFE AND EFFECTIVE TRAFFIC CONTROL DURING ALL CONSTRUCTION OPERATIONS. THE ORIGINAL LOCATION, PLACEMENT, SPACING AND SUBSEQUENT RELOCATION OR REMOVAL OF ALL TRAFFIC CONTROL DEVICES SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.

IT IS INTENDED THAT THE LOCAL TRAFFIC NOT BE SUBJECTED TO ANY LANE CLOSURES UNLESS ACTIVE WORK IS BEING PERFORMED IN OR IMMEDIATELY ADJACENT TO THE CLOSED LANE. THE ROADWAY SHALL NOT BE RESTRICTED TO ANY LANE CLOSURE DURING PERIODS OF INTERMITTENT OR IRREGULAR WORK, NOR CLOSED SOLELY FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER SHALL MAKE THE FINAL DETERMINATION AS TO WHAT CONSTITUTES ACTIVE WORK AND WHETHER OR NOT THE LANE CLOSURE IS JUSTIFIED.

IF, IN THE OPINION OF THE ENGINEER, THE LANE CLOSURE IS NOT JUSTIFIED, THEY MAY ORDER ALL OR PART OF THE LANE CLOSURE REOPENED TO LOCAL TRAFFIC (UNTIL SUCH TIME THIS CONDITION IS CORRECTED.)

THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY INTENDED CHANGES TO ANY EXISTING OR TEMPORARY TRAFFIC CONTROL DEVICES AND SHALL OBTAIN THE ENGINEER'S APPROVAL PRIOR TO MAKING THE CHANGES. THE CONTRACTOR SHALL ALSO NOTIFY THE ENGINEER 48 HOURS IN ADVANCE OF ANY INTENDED LANE CLOSURES.

PAYMENT FOR ITEM 614 MAINTAINING TRAFFIC, FOR OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT LUMP SUM BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

TRENCH FOR WIDENING

THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIALS SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF THE WIDENING TRENCH WHICH IS OPEN AT ANY ON TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

OVERNIGHT TRENCH CLOSING

THE BASE WIDENING SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN 3 INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY, UNLESS THE BASE WIDENING IS SEPARATED FROM TRAFFIC BY DRUMS OR PORTABLE CONCRETE BARRIER AS SHOWN IN THE PLANS. NO UNPROTECTED TRENCH SHALL BE LEFT OPEN OVERNIGHT. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER. PAYMENT FOR ANY BACKFILLING IS INCIDENTAL TO THE ASSOCIATED ITEM OF WORK.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM ODOT DISTRICT 7 PIO. THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION TIME TABLE

ITEM	DURATION OF CLOSURE	NOTICE DUE TO OFFICE OF COMMUNICATIONS
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE CITY AND ODOT USING THE NOTIFICATION TIME TABLE.

MAINTENANCE OF TRAFFIC NOTES

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MOT-GMR TRAIL IMP CR22A

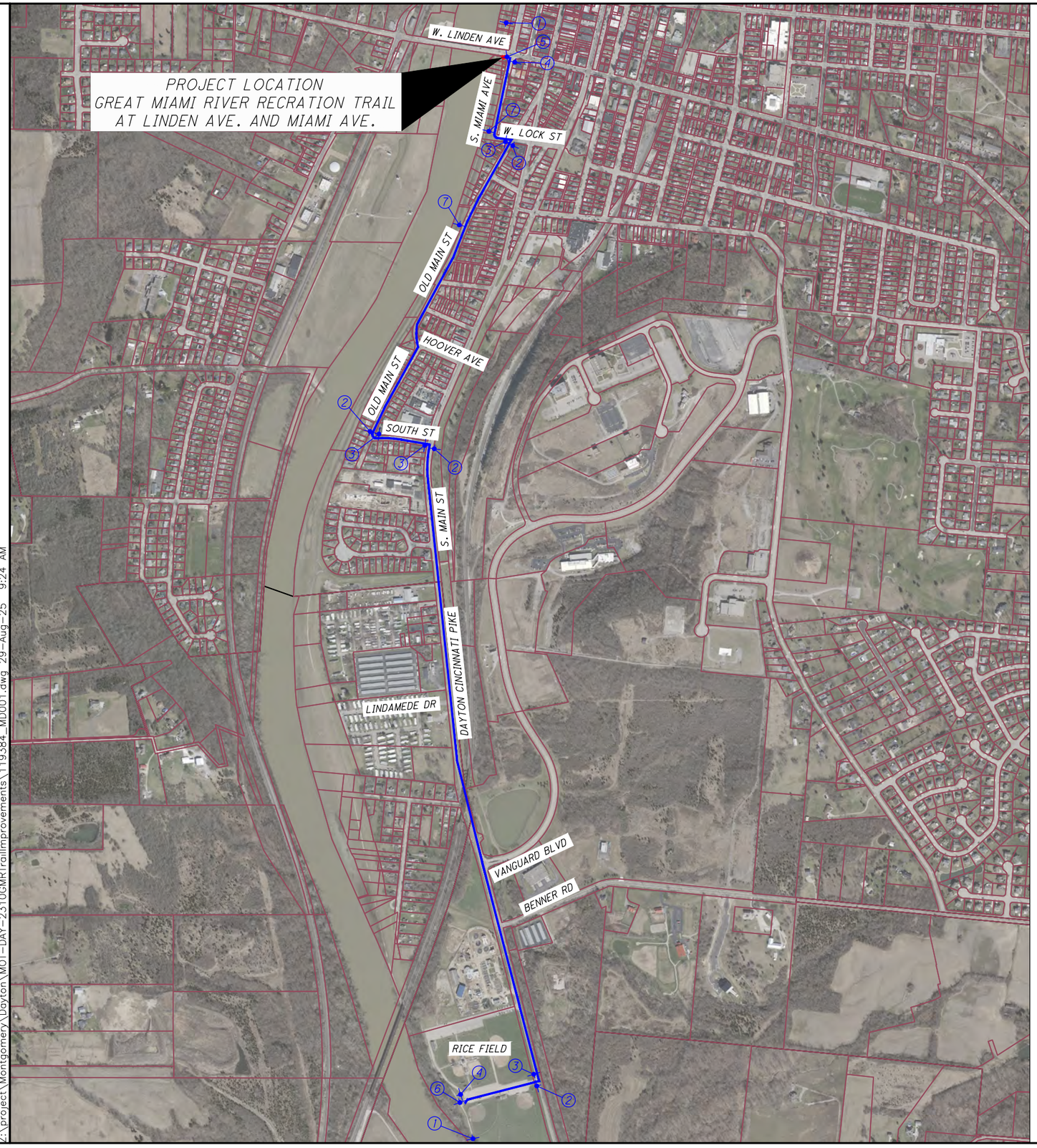
DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER
IJW

REVIEWER
NNS 7-18-2025

PROJECT ID
119384

SHEET P:5 | TOTAL 24



HORIZONTAL SCALE IN FEET
0 250 500 1000

DETOUR AHEAD
W20-2-36 (1)

DETOUR
M4-9cL-30 (2)

DETOUR
M4-9cR-30 (3)

END DETOUR
M4-8a-48 (4)

R11-2-48
ROAD CLOSED
DETOUR
M4-10L-48
(DUAL SIGN ON BARRICADES) (5)

R11-2-48
ROAD CLOSED
DETOUR
M4-10R-48
(DUAL SIGN ON BARRICADES) (6)

ROAD CLOSED
R11-2-48 (7)

LEGEND:
PROJECT LOCATION
DESIGNATED BIKE TRAFFIC DETOUR ROUTE

PAYMENT FOR ALL OF THE WORK REQUIRED BY THE CONTRACTOR FOR TRAFFIC CONTROL NOTED ON THIS SHEET INCLUDING PROVIDING, ERECTING, MAINTAINING, AND REMOVING ALL FLASHERS, SIGNS, BARRICADES, SUPPORTS, AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 DETOUR SIGNING, AS PER PLAN. (THE CONTRACTOR SHALL INSTALL ADVANCE WARNING SIGNS PER STANDARD DRAWING MT-101.60.)

DETOUR PLAN
WEST LINDEN AVENUE

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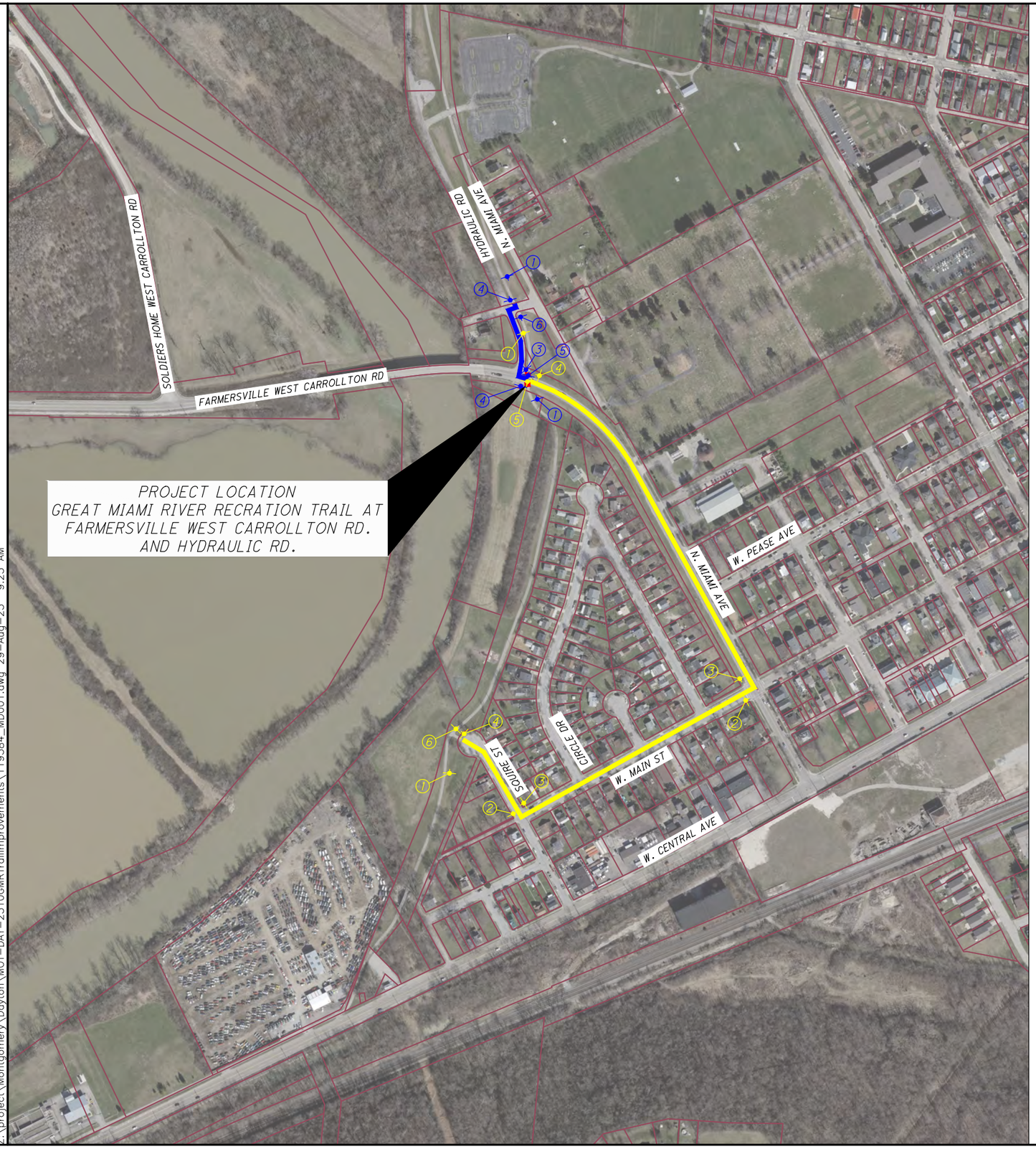
DESIGN AGENCY
CHOICE ONE ENGINEERING
DESIGNER
IJW
REVIEWER
NNS 7-18-2025
PROJECT ID
119384
SHEET P.6 | TOTAL 24



HORIZONTAL SCALE IN FEET
0 100 200 400

DETOUR PLAN
FARMERSVILLE WEST CARROLLTON ROAD

DETOUR AHEAD
W20-2-36 ①

DETOUR
M4-9cL-30 ②

DETOUR
M4-9cR-30 ③

END DETOUR
M4-8a-48 ④

R11-2-48
ROAD CLOSED
DETOUR
M4-10L-48
(DUAL SIGN ON BARRICADES) ⑤

R11-2-48
ROAD CLOSED
DETOUR
M4-10R-48
(DUAL SIGN ON BARRICADES) ⑥

ROAD CLOSED
R11-2-48 ⑦

LEGEND:

- DESIGNATED PATH CLOSURE
- DESIGNATED BIKE TRAFFIC DETOUR ROUTE FOR NORTH CURB RAMP CLOSURE
- DESIGNATED BIKE TRAFFIC DETOUR ROUTE FOR SOUTH CURB RAMP CLOSURE

PAYMENT FOR ALL OF THE WORK REQUIRED BY THE CONTRACTOR FOR TRAFFIC CONTROL NOTED ON THIS SHEET INCLUDING PROVIDING, ERECTING, MAINTAINING, AND REMOVING ALL FLASHERS, SIGNS, BARRICADES, SUPPORTS, AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 DETOUR SIGNING, AS PER PLAN. (THE CONTRACTOR SHALL INSTALL ADVANCE WARNING SIGNS PER STANDARD DRAWING MT-101.60.)

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	IJW
REVIEWER	NNS 7-18-2025
PROJECT ID	119384
SHEET	P.7
TOTAL	24

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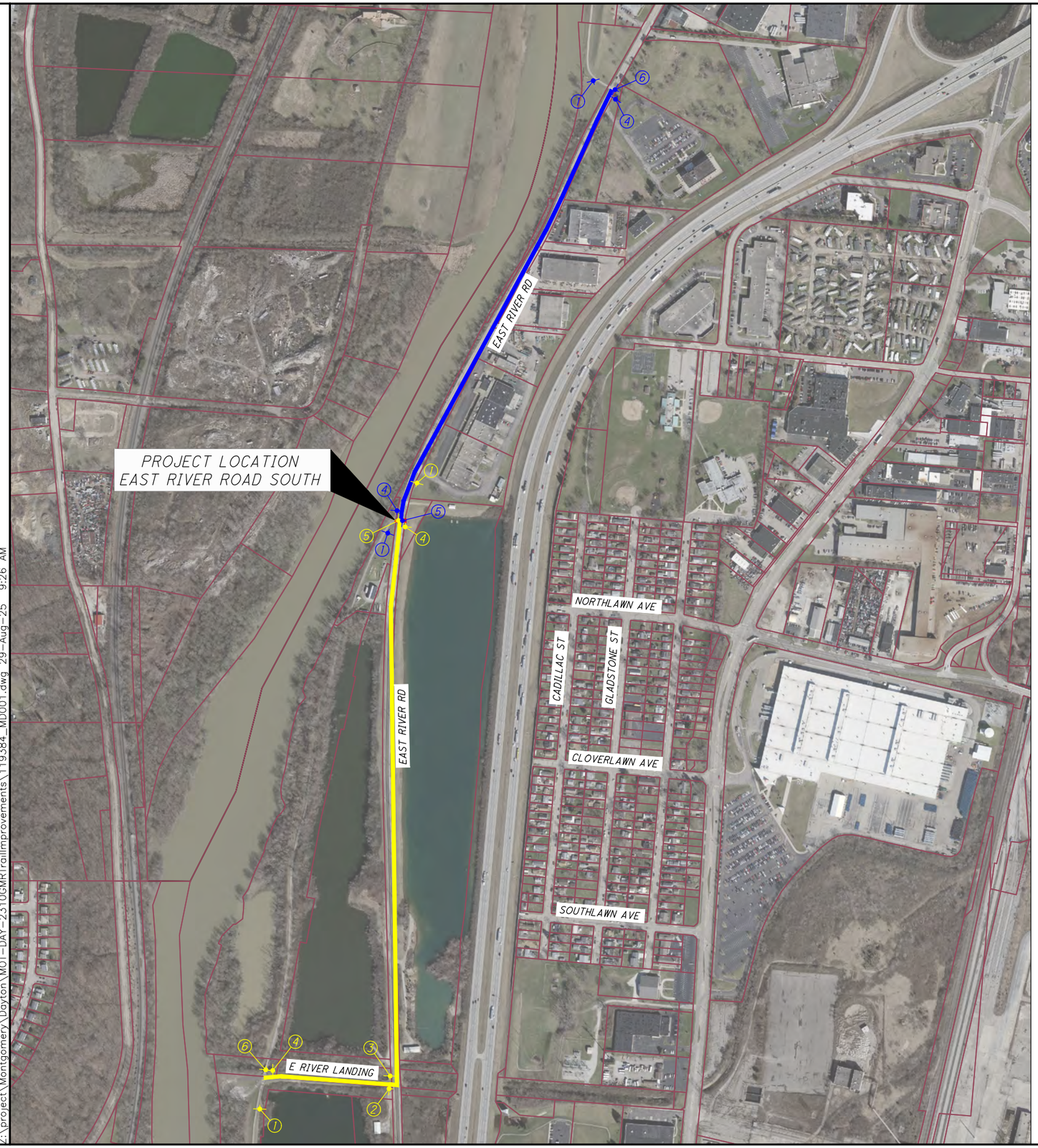

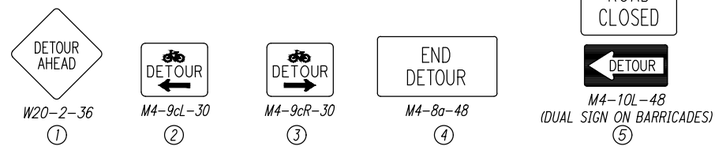

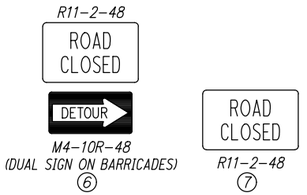

LEGEND:

- DESIGNATED PATH CLOSURE
- DESIGNATED BIKE TRAFFIC DETOUR ROUTE FOR EAST CURB RAMP CLOSURE
- DESIGNATED BIKE TRAFFIC DETOUR ROUTE FOR WEST CURB RAMP CLOSURE

PAYMENT FOR ALL OF THE WORK REQUIRED BY THE CONTRACTOR FOR TRAFFIC CONTROL NOTED ON THIS SHEET INCLUDING PROVIDING, ERECTING, MAINTAINING, AND REMOVING ALL FLASHERS, SIGNS, BARRICADES, SUPPORTS, AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 DETOUR SIGNING, AS PER PLAN. (THE CONTRACTOR SHALL INSTALL ADVANCE WARNING SIGNS PER STANDARD DRAWING MT-101.60.)

HORIZONTAL SCALE IN FEET
0 150 300 600

DETOUR PLAN
EAST RIVER ROAD SOUTH

MOT-GMR TRAIL IMP CR22A

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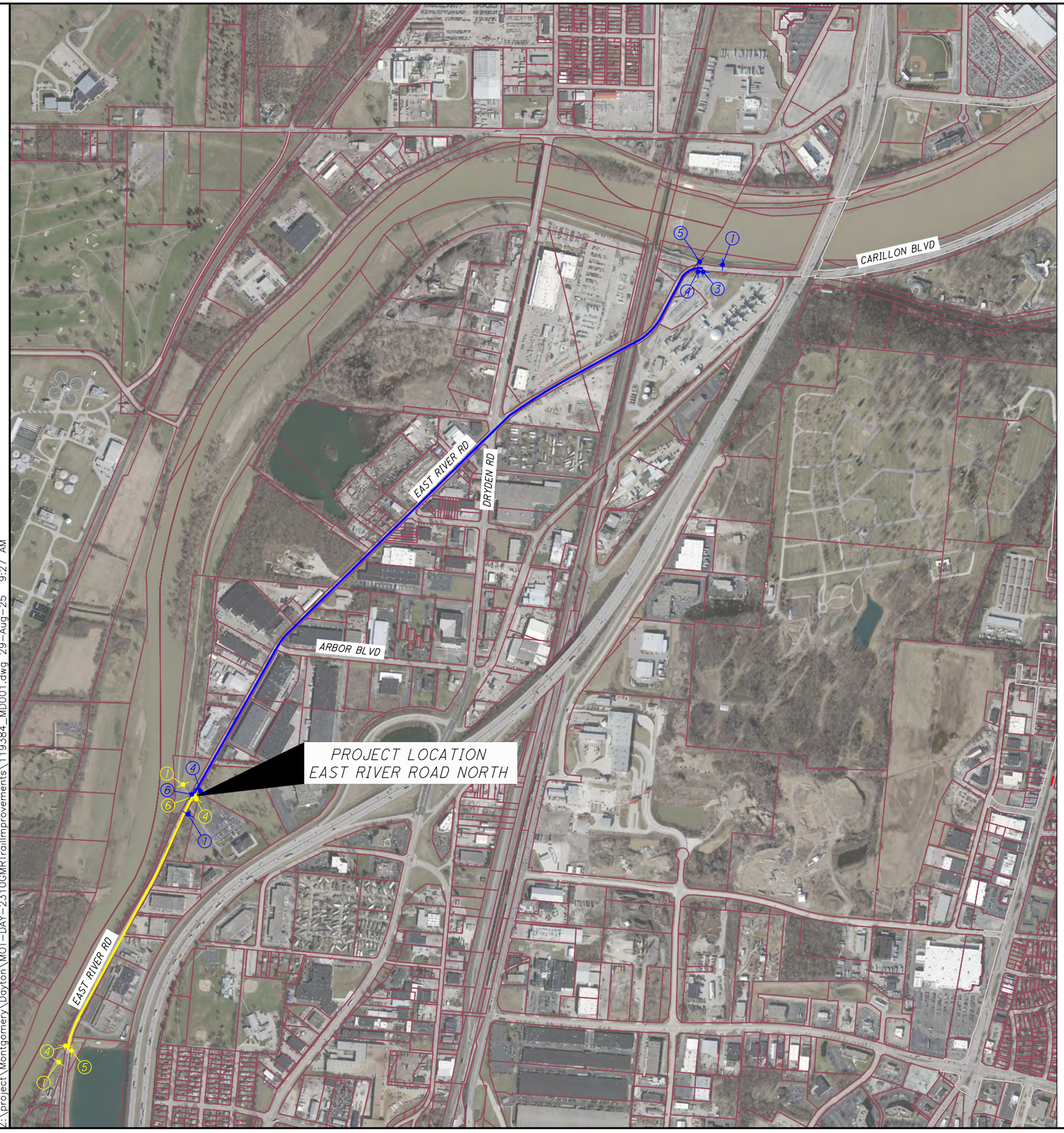
DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	IJW
REVIEWER	NNS 7-18-2025
PROJECT ID	119384
SHEET	P.8
TOTAL	24



W20-2-36
(1)

M4-9cL-30
(2)

M4-9cR-30
(3)

M4-8a-48
(4)

R11-2-48

M4-10L-48
(DUAL SIGN ON BARRICADES)
(5)

R11-2-48

M4-10R-48
(DUAL SIGN ON BARRICADES)
(6)

R11-2-48
(7)

LEGEND:

- DESIGNATED PATH CLOSURE
- DESIGNATED BIKE TRAFFIC DETOUR ROUTE FOR WEST CURB RAMP CLOSURE
- DESIGNATED BIKE TRAFFIC DETOUR ROUTE FOR EAST CURB RAMP CLOSURE

PAYMENT FOR ALL OF THE WORK REQUIRED BY THE CONTRACTOR FOR TRAFFIC CONTROL NOTED ON THIS SHEET INCLUDING PROVIDING, ERECTING, MAINTAINING, AND REMOVING ALL FLASHERS, SIGNS, BARRICADES, SUPPORTS, AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 DETOUR SIGNING, AS PER PLAN. (THE CONTRACTOR SHALL INSTALL ADVANCE WARNING SIGNS PER STANDARD DRAWING MT-101.60.)

HORIZONTAL SCALE IN FEET
0 250 500 1000

DETOUR PLAN
EAST RIVER ROAD NORTH

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	IJW
REVIEWER	NNS 7-18-2025
PROJECT ID	119384
SHEET	P.9
TOTAL	24

MOT-GMR TRAIL IMP CR22A

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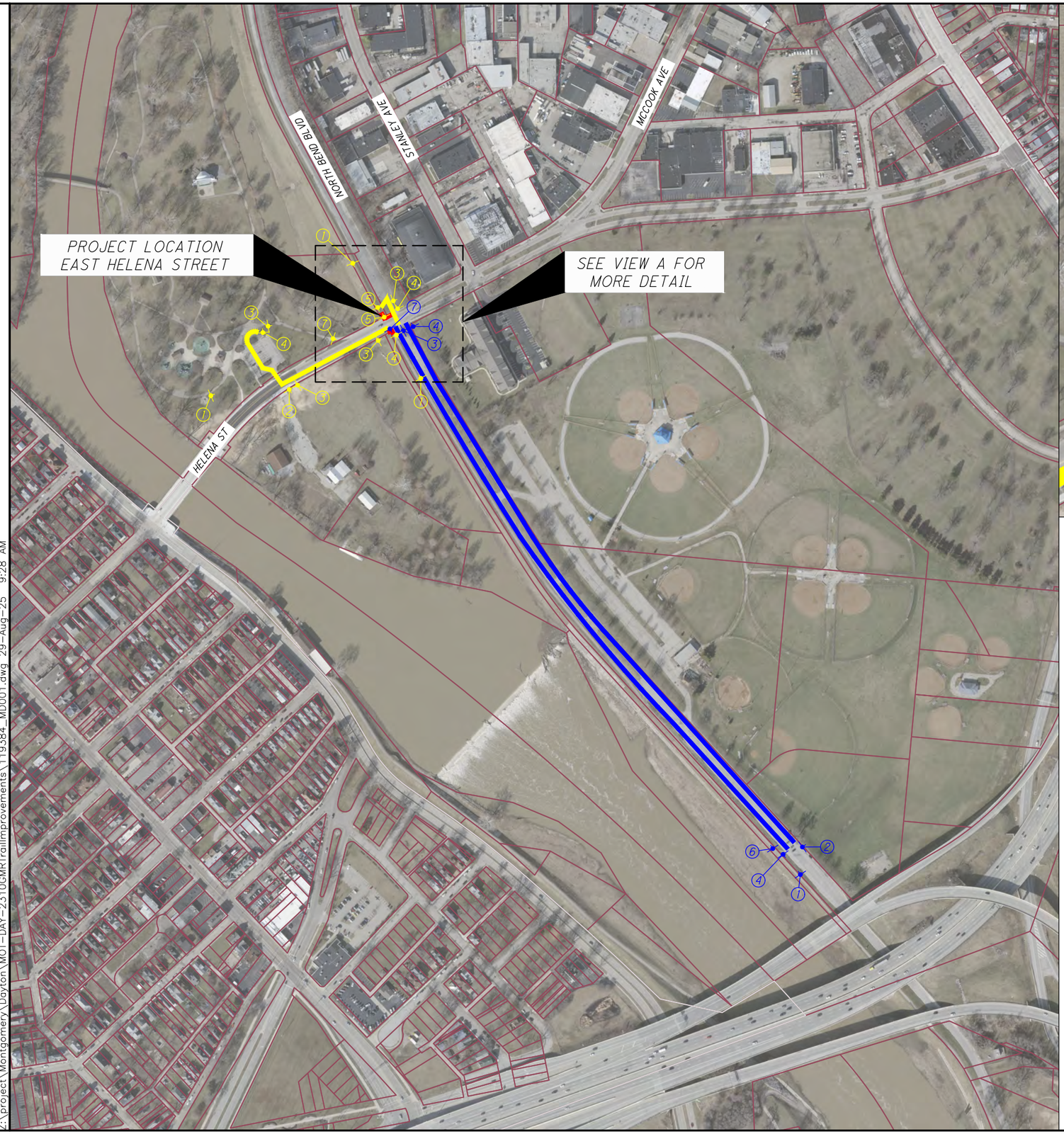
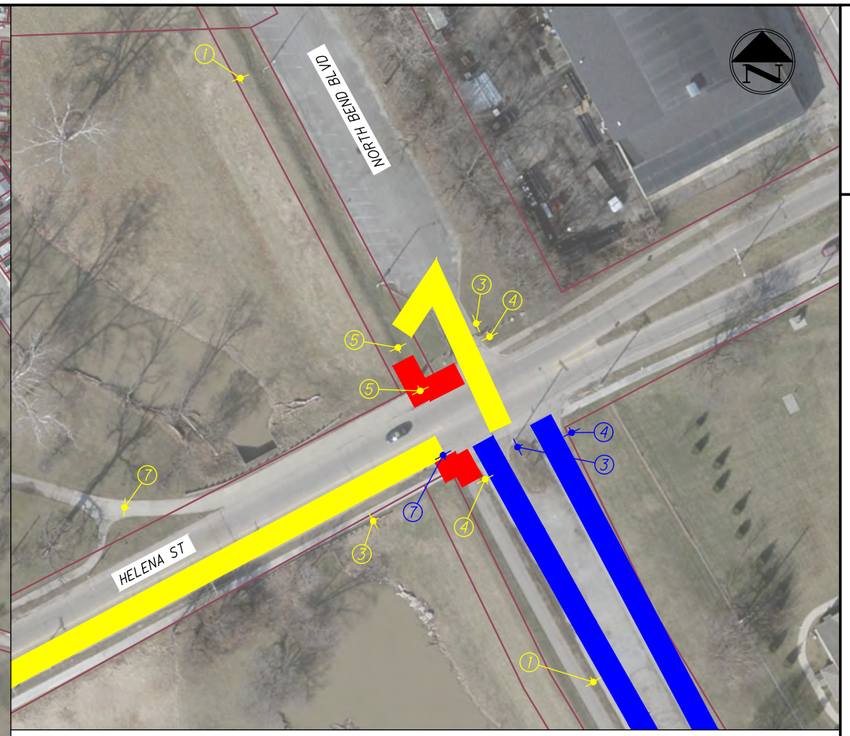
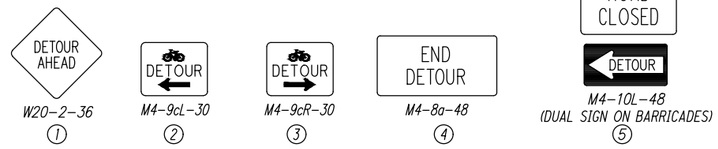


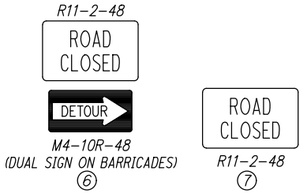


VIEW A

HORIZONTAL SCALE IN FEET
0 100 200 400

DETOUR PLAN
EAST HELENA STREET





LEGEND:

- DESIGNATED PATH CLOSURE
- DESIGNATED BIKE TRAFFIC DETOUR ROUTE FOR SOUTH CURB RAMP CLOSURE
- DESIGNATED BIKE TRAFFIC DETOUR ROUTE FOR NORTH CURB RAMP CLOSURE

PAYMENT FOR ALL OF THE WORK REQUIRED BY THE CONTRACTOR FOR TRAFFIC CONTROL NOTED ON THIS SHEET INCLUDING PROVIDING, ERECTING, MAINTAINING, AND REMOVING ALL FLASHERS, SIGNS, BARRICADES, SUPPORTS, AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 DETOUR SIGNING, AS PER PLAN. (THE CONTRACTOR SHALL INSTALL ADVANCE WARNING SIGNS PER STANDARD DRAWING MT-101.60.)

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	IJW
REVIEWER	NNS 7-18-2025
PROJECT ID	119384
SHEET	P.10
TOTAL	24

MOT-GMR TRAIL IMP CR22A

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SHEET NUM.											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
3	5	6	12	13	14	15					01/S>2	02/NFA							
																		ROADWAY	
											LS			201	11000	LS		CLEARING AND GRUBBING	
			301								170	131		202	23000	301	SY	PAVEMENT REMOVED	
			947								925	22		202	30000	947	SF	WALK REMOVED	
			123								95	28		202	32000	123	FT	CURB REMOVED	
			86								58	28		202	32500	86	FT	CURB AND GUTTER REMOVED	
			170								140	30		204	10000	170	SY	SUBGRADE COMPACTION	
				92	52						96	48		608	10000	144	SF	4" CONCRETE WALK	
			2,213								1,267	946		608	52001	2,213	SF	CURB RAMP, AS PER PLAN	3
																		EROSION CONTROL	
33											20	13		659	00300	33	CY	TOPSOIL	
300											181	119		659	00500	300	SY	SEEDING AND MULCHING, CLASS 1	
15											9	6		659	14000	15	SY	REPAIR SEEDING AND MULCHING	
15											9	6		659	15000	15	SY	INTER-SEEDING	
0.04											0.02	0.02		659	20000	0.04	TON	COMMERCIAL FERTILIZER	
0.06											0.04	0.02		659	31000	0.06	ACRE	LIME	
1.66											0.98	0.68		659	35000	1.66	MGAL	WATER	
											1,500	1,500		832	30000	3,000	EACH	EROSION CONTROL	
																		PAVEMENT	
			9								8	1		301	56000	9	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
			29								23	6		304	20000	29	CY	AGGREGATE BASE	
			12								10	2		407	20000	12	GAL	NON-TRACKING TACK COAT	
			41	1	1						25	18		411	10000	43	CY	STABILIZED CRUSHED AGGREGATE	
			6								5	1		441	70000	6	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	
			6								5	1		441	70300	6	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	
			86								58	28		609	12000	86	FT	COMBINATION CURB AND GUTTER, TYPE 2	
			147								147			609	26000	147	FT	CURB, TYPE 6	
			9								9			613	41200	9	CY	LOW STRENGTH MORTAR BACKFILL	
																		WATER WORK	
			1								1			638	10800	1	EACH	VALVE BOX ADJUSTED TO GRADE	
																		TRAFFIC CONTROL	
				203	231						216	218		630	03100	434	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
				5	5						6	4		630	08600	10	EACH	SIGN POST REFLECTOR	
				4							4			630	79500	4	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	
				88	125						99	114		630	80100	213	SF	SIGN, FLAT SHEET	
				1							1			630	80510	1	EACH	SIGN, STREET NAME	
				2							2			630	85100	2	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
				25	12						24	13		630	85200	37	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DELIVERY	
				11	7						11	7		630	86002	18	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
					2						2			630	97700	2	EACH	SIGNING, MISC.:REMOVAL AND REINSTALLATION OF BIKEWAY GUIDE SIGN AND POST, AS PER PLAN	4
				3							3			630	97700	3	EACH	SIGNING, MISC.:SOLAR-POWERED BORDER-ENHANCED LED SIGN ASSEMBLY, AS PER PLAN	3
				6	2						6	2		630	97700	8	EACH	SIGNING, MISC.:SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON SIGN ASSEMBLY, AS PER PLAN	3
						0.01					0.01			642	00104	0.01	MILE	EDGE LINE, 6", TYPE 1	
						51					27	24		642	00500	51	FT	STOP LINE, TYPE 1	
						383					270	113		642	00630	383	FT	CROSSWALK LINE, 24", TYPE 1	
						23					23			642	00700	23	FT	TRANSVERSE/DIAGONAL LINE, TYPE 1	
						365					204	161		642	30000	365	FT	REMOVAL OF PAVEMENT MARKING	
																		MAINTENANCE OF TRAFFIC	
		LS									LS			614	12421	LS		DETOUR SIGNING, AS PER PLAN	6
																		INCIDENTALS	
	LS										LS			614	11000	LS		MAINTAINING TRAFFIC	
											LS			623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
											LS			624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

MOT-GMR TRAIL IMP CR22A

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DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER IJW
REVIEWER NNS 7-18-2025
PROJECT ID 119384
SHEET P.11 TOTAL 24

REF NO.	SHEET NO.	STATION TO STATION			SIDE	CENTERLINE	AREA	202 PAVEMENT REMOVED	202 WALK REMOVED	202 CURB REMOVED	202 CURB AND GUTTER REMOVED	204 SUBGRADE COMPACTION	301 ASPHALT CONCRETE BASE, PG64-22, (449)	304 AGGREGATE BASE	407 NON-TRACKING TACK COAT	411 STABILIZED CRUSHED AGGREGATE	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	608 CURB RAMP, AS PER PLAN	609 COMBINATION CURB AND GUTTER, TYPE 2	609 CURB, TYPE 6	613 LOW STRENGTH MORTAR BACKFILL	638 VALVE BOX ADJUSTED TO GRADE			
								SY	SF	FT	FT	SY	CY	CY	GAL	CY	CY	CY	SF	FT	FT	CY	EACH			
P1	16	42+65.33	TO	43+00.57	RT	W. LINDEN AVE.	255.7	30.20			58	44.52	4.74	7.42	3.41		1.18	1.18		58						
P2	16	67+60.60	TO	67+89.13	RT	FARMERSVILLE	70.79	9.59				11.53	1.31	2.58	0.94		0.33	0.33			33					
P3	16	67+51.08	TO	67+77.61	LT	FARMERSVILLE	74.23	9.81		17		12.25	1.37	2.73	0.99		0.34	0.34			36					
P4	17	202+24.84	TO	202+53.08	RT	E. RIVER RD. NORTH	56.48	6.26		28	28	13.28	1.05	2.21	0.75		0.26	0.26		28						
P5	18	302+13.05	TO	302+30.90	RT	E. HELENA ST.	70.85	9.47		34		11.65			0.94		0.33	0.33			34	3.91				
P6	18	302+11.26	TO	302+49.82	LT	E. HELENA ST.	91.49	10.08		44		15.05			1.22		0.42	0.42			44	5.05				
SW1	16	42+60.10	TO	42+97.97	RT	W. LINDEN AVE.	422.17	13.63	408.44			14.00		3.11	0.84	7.82	0.49	0.68	422.17							
SW2	16	67+66.26	TO	67+94.94	RT	FARMERSVILLE	147.15	40.49				17.37		3.86	1.04	2.73	0.60	0.84	147.15							
SW3	16	67+63.77	TO	67+75.19	LT	FARMERSVILLE	92.52	12.75								1.71			92.52							
SW4	17	102+69.01	TO	103+04.38	RT	E. RIVER RD. SOUTH	250.82	49.30				16.57		3.68	0.99	4.64	0.58	0.81	250.82							
SW5	17	102+69.61	TO	102+92.22	LT	E. RIVER RD. SOUTH	114.40	12.31								2.12			114.40							
SW6	17	202+24.84	TO	202+53.08	RT	E. RIVER RD. NORTH	277.12	28.20	21.58							5.13			277.12							
SW7	17	202+27.76	TO	202+49.58	LT	E. RIVER RD. NORTH	302.80	34.34								5.61			302.80							
SW8	18	302+07.11	TO	302+30.85	RT	E. HELENA ST.	259.21	13.73	177.17							4.80			259.21							
SW9	18	302+11.26	TO	302+49.82	LT	E. HELENA ST.	345.84	20.03	339.26			13.68		3.04	0.82	6.40	0.48	0.67	345.84				1			
TOTALS CARRIED TO GENERAL SUMMARY								301	947	123	86	170	9	29	12	41	6	6	2213	86	147	9	1			

SUBSUMMARY - ROADWAY

MOT-GMR TRAIL IMP CR22A

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DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER
IJW

REVIEWER
NNS 7-18-2025

PROJECT ID
119384

SHEET P.12 | TOTAL 24

REF NO.	SHEET NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	411 STABILIZED CRUSHED AGGREGATE		608 4" CONCRETE WALK		630 GROUND MOUNTED SUPPORT, NO. 3 POST	630 SIGN POST REFLECTOR	630 SIGN SUPPORT ASSEMBLY, POLE MOUNTED	630 SIGN, FLAT SHEET	630 SIGN, STREET NAME	630 REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	630 REMOVAL OF GROUND MOUNTED SIGN AND DELIVERY	630 REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	630 SIGNING, MISC.:SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON SIGN ASSEMBLY, AS PER PLAN	630 SIGNING, MISC.:SOLAR-POWERED BORDER-ENHANCED LED SIGN ASSEMBLY, AS PER PLAN	630 SIGNING, MISC.:REMOVAL AND REINSTALLATION OF BIKEWAY GUIDE SIGN AND POST, AS PER PLAN			
							CY		SF		FT	EACH	EACH	SF	EACH	EACH	EACH	EACH	EACH	EACH	EACH			
S1	22	W. LINDEN AVE.	41+07.00	RT	W11-15	30"X30"							1							1				
					W16-9P	24"X12"							1	2										
S2	22	W. LINDEN AVE.	42+51.00	RT	D11-1	24"X18"	0.037		4		13.5			3										
					M6-1L	12"X9"								0.75										
					D3-1										1									
S3	22	W. LINDEN AVE.	42+75.00	RT	R1-1	30"X30"	0.037		4		13	1		6.25										
					R5-3	24"X24"								4										
S4	22	W. LINDEN AVE.	42+72.00	RT	R1-1												1	1						
					R5-3												1							
					CUSTOM											1								
S5	22	W. LINDEN AVE.	42+79.00	RT															1					
S6	22	W. LINDEN AVE.	44+14.00	LT	W11-15	36"X36"	0.444		48		16			9										
					W16-9P	24"X12"								2										
S7	22	W. LINDEN AVE.	42+81.00	LT															1					
S8	22	W. LINDEN AVE.	42+80.00	LT	R5-3	24"X24"	0.037		4		12.5			4										
S9	22	W. LINDEN AVE.	42+71.00	LT	D11-1												1	1						
					M6-1R												1							
					R1-1												1							
					R5-3												1							
					CUSTOM											1								
S10	22	W. LINDEN AVE.	42+70.00	LT	R1-1	30"X30"	0.037		4		13	1		6.25										
S11	22	W. LINDEN AVE.	42+33.00	LT	D11-1	24"X18"	0.037		4		12.75			3										
					M6-1R	12"X9"								0.75										
S12	22	W. LINDEN AVE.	42+48.00	RT	D11-1												1	1						
					M6-1L												1							
					D3-1												1							
S13	22	FARMERSVILLE	67+87.00	RT															1					
S14	22	FARMERSVILLE	67+62.00	RT	W11-1												1	1						
					W16-7PL												1							
S15	22	FARMERSVILLE	67+72.00	RT	R1-1												1	1						
					R5-3												1							
S16	22	FARMERSVILLE	67+91.00	RT	R1-1	30"X30"	0.037		4		13	1		6.25										
S17	22	FARMERSVILLE	67+75.00	RT	R5-3	24"X24"	0.037		4		12.5			4										
S18	22	FARMERSVILLE	69+07.00	LT	W11-15	36"X36"							1							1				
					W16-9P	24"X12"							1	2										
S19	22	FARMERSVILLE	69+07.00	LT	W11-1												1							
S20	22	FARMERSVILLE	67+83.00	LT	W11-1												1	1						
					W16-7PL												1							
S21	22	FARMERSVILLE	67+63.00	LT															1					
S22	22	FARMERSVILLE	67+75.00	LT	R5-3	24"X24"	0.037		4		12.5			4										
S23	22	FARMERSVILLE	67+74.00	LT	R5-3												1	1						
S24	22	FARMERSVILLE	67+60.00	LT	R1-1	18"X18"	0.037		4		12	1		2.25										
S25	22	FARMERSVILLE	67+58.00	LT	R1-1												1	1						
S26	22	FARMERSVILLE	66+43.00	LT	W11-15	36"X36"					16									1				
					W16-9P	24"X12"								2										
S27	23	E. RIVER RD. SOUTH	101+52.00	RT	W11-1	30"X30"					15			6.25										
					W16-9P	24"X12"								2										
S28	23	E. RIVER RD. SOUTH	102+90.00	RT															1					
S29	23	E. RIVER RD. SOUTH	102+92.00	RT	R1-1	30"X30"	0.037		4		13	1		6.25										
S30	23	E. RIVER RD. SOUTH	102+94.00	RT	D11-1												1	1						
					M6-1L												1							
					W11-1												1							
S31	23	E. RIVER RD. SOUTH	103+12.00	RT	D11-1	24"X18"	0.037		4		12.75			3										
					M6-1R	12"X9"								0.75										
S32	23	E. RIVER RD. SOUTH	104+32.00	LT	W11-1	30"X30"					15			6.25										
					W16-9P	24"X12"								2										
S33	23	E. RIVER RD. SOUTH	102+73.00	LT															1					
S34	23	E. RIVER RD. SOUTH	103+00.00	LT	D11-1												1	1						
					M6-1R												1							
					W11-1												1							
S35	23	E. RIVER RD. SOUTH	102+73.00	LT	R1-1												1	1						
TOTALS CARRIED TO GENERAL SUMMARY							1		92		203	5	4	88	1	2	25	11	6	3				

SUBSUMMARY - SIGNING

MOT-GMR TRAIL IMP CR22A

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DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER
IJW

REVIEWER
NNS 7-18-2025

PROJECT ID
119384

SHEET P.13 | TOTAL 24

REF NO.	SHEET NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	411 STABILIZED CRUSHED AGGREGATE		608 4" CONCRETE WALK		630 GROUND MOUNTED SUPPORT, NO. 3 POST	630 SIGN POST REFLECTOR	630 SIGN SUPPORT ASSEMBLY, POLE MOUNTED	630 SIGN, FLAT SHEET	630 SIGN, STREET NAME	630 REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	630 REMOVAL OF GROUND MOUNTED SIGN AND DELIVERY	630 REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	630 SIGNING, MISC.:SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON SIGN ASSEMBLY, AS PER PLAN	630 SIGNING, MISC.:SOLAR-POWERED BORDER-ENHANCED LED SIGN ASSEMBLY, AS PER PLAN	630 SIGNING, MISC.:REMOVAL AND REINSTALLATION OF BIKEWAY GUIDE SIGN AND POST, AS PER PLAN			
							CY		SF		FT	EACH	EACH	SF	EACH	EACH	EACH	EACH	EACH	EACH	EACH			
S36	23	E. RIVER RD. NORTH	102+71.00	LT	R1-1	30"X30"	0.037		4		13	1		6.25										
S37	23	E. RIVER RD. NORTH	102+72.00	LT	D11-1	24"X18"	0.037		4		12.75			3										
					M6-1L	12"X9"								0.75										
S38	23	E. RIVER RD. NORTH	200+75.00	RT	W11-1	30"X30"					15			6.25										
					W16-9P	24"X12"								2										
S39	23	E. RIVER RD. NORTH	202+00.00	RT	D11-1	24"X18"	0.037		4		12.75			3										
					M6-1L	12"X9"								0.75										
S40	23	E. RIVER RD. NORTH	202+34.00	RT	R1-1	30"X30"	0.037		4		13	1		6.25										
S41	23	E. RIVER RD. NORTH	202+39.00	RT	R5-3	24"X24"	0.037		4		12.5			4										
S42	23	E. RIVER RD. NORTH	202+47.00	RT	W11-1	30"X30"	0.037		4		15			6.25										
					W16-7PL	24"X12"								2										
					W11-1	30"X30"								6.25										
					W19-7PR	24"X12"								2										
S43	23	E. RIVER RD. NORTH	204+47.00	LT	W11-1	30"X30"					15			6.25										
					W16-9P	24"X12"								2										
S44	23	E. RIVER RD. NORTH	204+47.00	LT	W11-1												1	1						
S45	23	E. RIVER RD. NORTH	202+50.00	RT	R5-3												1	1						
S46	23	E. RIVER RD. NORTH	202+55.00	LT	W11-1	30"X30"	0.037		4		15			6.25										
					W16-7PL	24"X12"								2										
					W11-1	30"X30"								6.25										
					W19-7PR	24"X12"								2										
S47	23	E. RIVER RD. NORTH	202+45.00	LT	R5-3	24"X24"	0.037		4		12.5			4										
S48	23	E. RIVER RD. NORTH	202+32.00	LT	R1-1												1	1						
					D11-1												1							
					M6-1R												1							
S49	23	E. RIVER RD. NORTH	202+32.00	LT	R1-1	30"X30"	0.037		4		13	1		6.25										
S50	23	E. RIVER RD. NORTH	202+31.00	LT	D11-1	24"X18"	0.037		4		12.75			3										
					M6-1R	12"X9"								0.75										
S51	23	E. RIVER RD. NORTH	202+32.00	LT	R5-3												1	1						
S52	24	E. HELENA ST.	300+75.00	RT	W11-15	30"X30"					15			6.25										
					W16-9P	24"X12"								2										
S53	24	E. HELENA ST.	302+30.00	RT	R1-1	30"X30"	0.037		4		13	1		6.25										
S54	24	E. HELENA ST.	301+89.00	RT	W11-1												1	1						
S55	24	E. HELENA ST.	302+16.00	RT															1					
S56	24	E. HELENA ST.	304+23.00	LT	W11-15	30"X30"					15			6.25										
					W16-9P	24"X12"								2										
S57	24	E. HELENA ST.	302+43.00	LT	W11-1												1	1						
					D11-1												1							
					M6-1R												1							
S58	24	E. HELENA ST.	302+15.00	LT	R1-1	30"X30"	0.037		4		13	1		6.25										
					R5-3	24"X24"								4										
S59	24	E. HELENA ST.	302+13.00	LT	R1-1												1	1						
					R5-3												1							
S60	24	E. HELENA ST.	302+05.00	LT	D11-1	24"X18"	0.037		4		12.75			3										
					M6-1R	12"X9"								0.75										
S61	24	E. HELENA ST.	302+17.00	LT															1					
S62	24	E. HELENA ST.	302+12.00	RT	CUSTOM																	1		
S63	24	E. HELENA ST.	302+15.00	RT	CUSTOM																	1		
TOTALS CARRIED TO GENERAL SUMMARY							1		52		231	5		125			12	7	2		2			

SUBSUMMARY - SIGNING

MOT-GMR TRAIL IMP CR22A

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DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER
IJW

REVIEWER
NNS 7-18-2025

PROJECT ID
119384

SHEET P.14 | TOTAL 24

REF NO.	SHEET NO.	STATION			CENETERLINE	642 STOP LINE, TYPE 1	642 CROSSWALK LINE, 24", TYPE 1	642 REMOVAL OF PAVEMENT MARKING	642 EDGE LINE, 6", TYPE 1	642 TRANSVERSE/DIAGONAL LINE, TYPE 1
						FT	FT	FT	MILE	FT
EL1	22	42+99.10	TO	43+02.58	W. LINDEN AVE.				0.004	
SL1	22	42+74.00			W. LINDEN AVE.	5.3				
SL2	22	67+86.00			FARMERSVILLE	5.1				
SL3	22	67+65.00			FARMERSVILLE	4.7				
SL4	23	102+86.00			E. RIVER RD. SOUTH	6				
SL5	23	102+79.00			E. RIVER RD. SOUTH	7				
SL6	23	202+42.00			E. RIVER RD. NORTH	5.1				
SL7	23	202+36.00			E. RIVER RD. NORTH	5.1				
SL8	24	302+26.00			W. HELENA ST.	4.6				
SL9	24	302+22.00				7.4				
TL1	22	42+97.23	TO	43+02.45	W. LINDEN AVE.					6.5
TL2	22	42+65.65	TO	42+80.96	W. LINDEN AVE.					16.1
XW1	22	42+81.06	TO	42+94.83	W. LINDEN AVE.		80	75.3		
XW2	22	67+64.33	TO	67+82.40	FARMERSVILLE		72	128.5		
XW3	23	102+74.65	TO	102+90.45	E. RIVER ROAD SOUTH		62	86.4		
XW4	23	202+33.73	TO	202+44.06	E. RIVER ROAD NORTH		51	74.4		
XW5	24	302+13.64	TO	302+34.79	W. HELENA ST.		118			
TOTALS CARRIED TO GENERAL SUMMARY						51	383	365	0.01	23

SUBSUMMARY - PAVEMENT MARKINGS

MOT-GMR TRAIL IMP CR22A

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DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER
IJW

REVIEWER
NNS 7-18-2025

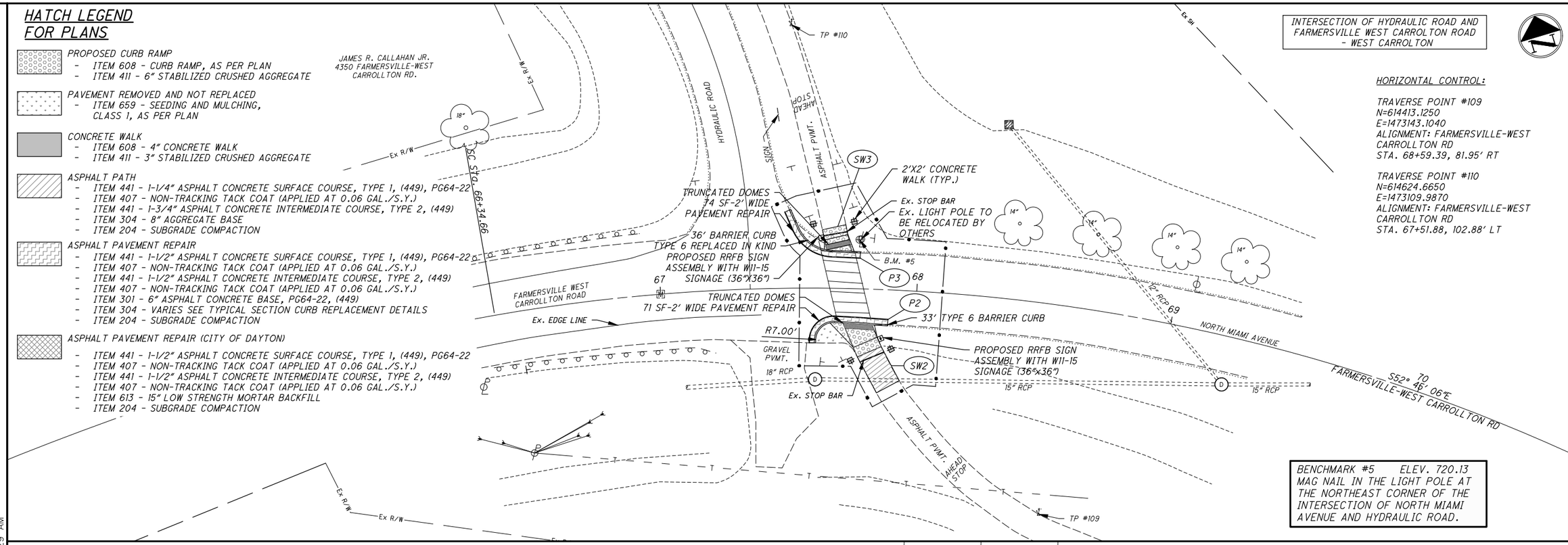
PROJECT ID
119384

SHEET P.15 | TOTAL 24

HATCH LEGEND FOR PLANS

- PROPOSED CURB RAMP
  - ITEM 608 - CURB RAMP, AS PER PLAN
  - ITEM 411 - 6" STABILIZED CRUSHED AGGREGATE
- PAVEMENT REMOVED AND NOT REPLACED
  - ITEM 659 - SEEDING AND MULCHING, CLASS 1, AS PER PLAN
- CONCRETE WALK
  - ITEM 608 - 4" CONCRETE WALK
  - ITEM 411 - 3" STABILIZED CRUSHED AGGREGATE
- ASPHALT PATH
  - ITEM 441 - 1-1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
  - ITEM 407 - NON-TRACKING TACK COAT (APPLIED AT 0.06 GAL./S.Y.)
  - ITEM 441 - 1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
  - ITEM 304 - 8" AGGREGATE BASE
  - ITEM 204 - SUBGRADE COMPACTION
- ASPHALT PAVEMENT REPAIR
  - ITEM 441 - 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
  - ITEM 407 - NON-TRACKING TACK COAT (APPLIED AT 0.06 GAL./S.Y.)
  - ITEM 441 - 1-1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
  - ITEM 407 - NON-TRACKING TACK COAT (APPLIED AT 0.06 GAL./S.Y.)
  - ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22, (449)
  - ITEM 304 - VARIES SEE TYPICAL SECTION CURB REPLACEMENT DETAILS
  - ITEM 204 - SUBGRADE COMPACTION
- ASPHALT PAVEMENT REPAIR (CITY OF DAYTON)
  - ITEM 441 - 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
  - ITEM 407 - NON-TRACKING TACK COAT (APPLIED AT 0.06 GAL./S.Y.)
  - ITEM 441 - 1-1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
  - ITEM 407 - NON-TRACKING TACK COAT (APPLIED AT 0.06 GAL./S.Y.)
  - ITEM 613 - 15" LOW STRENGTH MORTAR BACKFILL
  - ITEM 204 - SUBGRADE COMPACTION

INTERSECTION OF HYDRAULIC ROAD AND FARMERSVILLE WEST CARROLTON ROAD - WEST CARROLTON



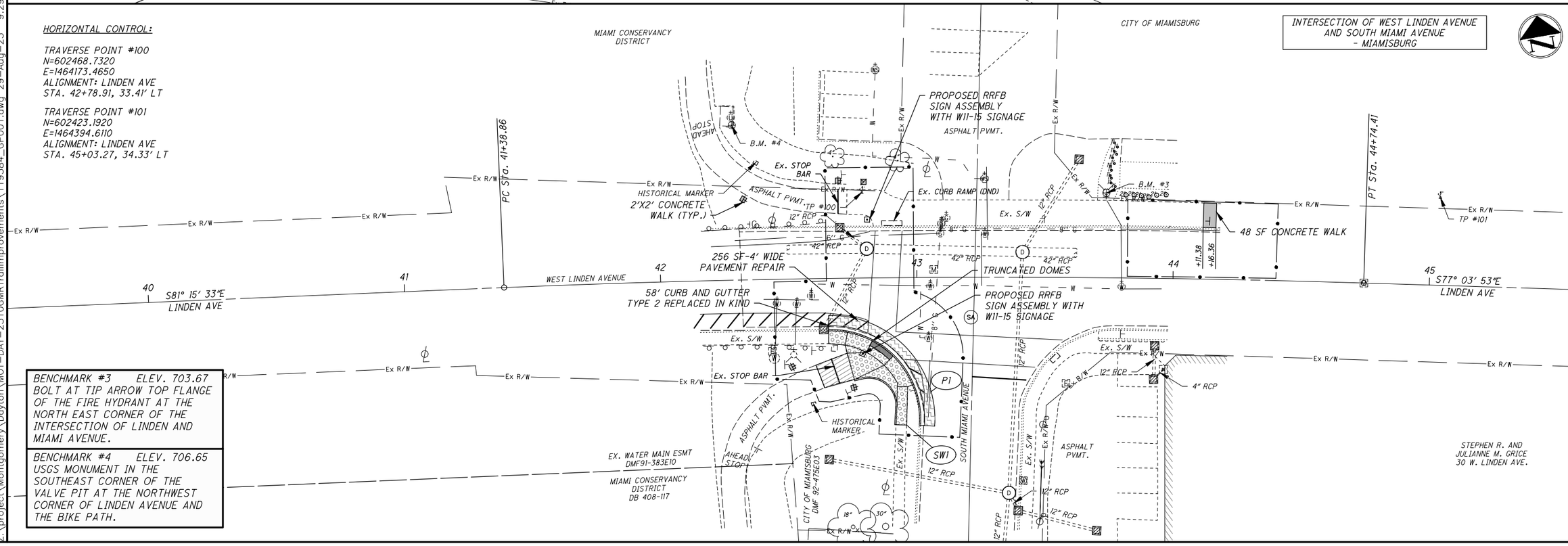
HORIZONTAL CONTROL:

TRAVERSE POINT #109
N=614413.1250
E=1473143.1040
ALIGNMENT: FARMERSVILLE-WEST CARROLLTON RD
STA. 68+59.39, 81.95' RT

TRAVERSE POINT #110
N=614624.6650
E=1473109.9870
ALIGNMENT: FARMERSVILLE-WEST CARROLLTON RD
STA. 67+51.88, 102.88' LT

BENCHMARK #5 ELEV. 720.13
MAG NAIL IN THE LIGHT POLE AT THE NORTHEAST CORNER OF THE INTERSECTION OF NORTH MIAMI AVENUE AND HYDRAULIC ROAD.

INTERSECTION OF WEST LINDEN AVENUE AND SOUTH MIAMI AVENUE - MIAMISBURG



HORIZONTAL CONTROL:

TRAVERSE POINT #100
N=602468.7320
E=1464173.4650
ALIGNMENT: LINDEN AVE
STA. 42+78.91, 33.41' LT

TRAVERSE POINT #101
N=602423.1920
E=1464394.6110
ALIGNMENT: LINDEN AVE
STA. 45+03.27, 34.33' LT

BENCHMARK #3 ELEV. 703.67
BOLT AT TIP ARROW TOP FLANGE OF THE FIRE HYDRANT AT THE NORTH EAST CORNER OF THE INTERSECTION OF LINDEN AND MIAMI AVENUE.

BENCHMARK #4 ELEV. 706.65
USGS MONUMENT IN THE SOUTHEAST CORNER OF THE VALVE PIT AT THE NORTHWEST CORNER OF LINDEN AVENUE AND THE BIKE PATH.

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN OVER PLAN - WEST LINDEN AVENUE & FARMERSVILLE WEST CARROLLTON ROAD

STA. 40+00 to STA. 45+00 & STA. 65+00 to STA. 70+00

DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER
IJW

REVIEWER
NNS 7-18-2025

PROJECT ID
119384

SHEET P.16 | TOTAL 24

MOT-GMR TRAIL IMP CR22A

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EAST RIVER RD. AND GREAT MIAMI RIVER RECREATIONAL TRAIL NORTH CROSSING - MORAINE

HORIZONTAL CONTROL:

TRAVERSE POINT #107
N=629449.0160
E=1482739.7660
ALIGNMENT: EAST RIVER ROAD NORTH
STA. 202+88.94, 21.85' RT

TRAVERSE POINT #108
N=629524.3800
E=1482569.5520
ALIGNMENT: EAST RIVER ROAD NORTH
STA. 202+73.05, 163.62' LT

HORIZONTAL SCALE IN FEET
0 10 20 40

LOT 3271
MIAMI CONSERVANCY DISTRICT
DB 2094-682

PI Sta. 199+89.40

SW7

ASPHALT PVMT.

AHEAD STOP

TRUNCATED DOMES

B.M. #2

2'X2' CONCRETE WALK (TYP.)

24" RCP

12" RCP

Ex. WATER PER BASEMAPS

Ex. STOP BAR

56 SF-2' WIDE PAVEMENT REPAIR

P4

200 N28° 46' 46"E EAST RIVER ROAD NORTH

201

202

203

EAST RIVER ROAD

204

205

N28° 46' 46"E EAST RIVER ROAD NORTH

CONC. PVMT.

TRUNCATED DOMES

ASPHALT PVMT.

Ex. S/W

TP #107

SIGN POST

28' CURB AND GUTTER, TYPE 2 REPLACED IN KIND

SW6

Ex. WATER PER BASEMAPS

LOT 3234
SUNNYCREST, INC.
IR DEED 02-053861

LOT 3235
MIAMI CONSERVANCY DISTRICT
DB 2352-0004

LOT 3522
EVERSTAR RIVER ROAD LLC
IR DEED 22-000045

EX. SAN ESMT IR DEED 02-053861

BENCHMARK #2 ELEV. 724.30
MAG NAIL IN THE POWER POLE SOUTH WEST OF THE INTERSECTION OF EAST RIVER ROAD AND THE BIKE PATH.

EAST RIVER RD. AND GREAT MIAMI RIVER RECREATIONAL TRAIL SOUTH CROSSING - MORAINE

LOT 5506
DAYTON BOAT CLUB
IR DEED 18-073051

ASPHALT PVMT.

TP #106

AHEAD STOP

2'X2' CONCRETE WALK (TYP.)

EX. MCD TRAIL ESMT PB 232-35 IR DEED 2018-073051

PT Sta. 101+03.54

PC Sta. 103+17.82

LOT 5515
DAYTON BOAT CLUB
IR DEED 18-073051

PROPOSED RRFB SIGN ASSEMBLY WITH W11-1 SIGNAGE

SW5

Ex. STOP BAR

GRAVEL PVMT.

100 N06° 26' 59"E EAST RIVER ROAD SOUTH

101

EAST RIVER ROAD

102

103

TRUNCATED DOMES

SW4

104

105

EP Sta. 105+00.00

Ex. WATER PER BASEMAPS

CONC. PVMT.

ASPHALT PVMT.

TP #105

B.M. #1

TP #150

LOT 5516
SUNSITE LTD
IR DEED 24-000820

EX. MCD TRAIL ESMT PB 232-35

GRAVEL PVMT.

LOT 5527
THE DAYTON DOG TRAINING CLUB
IR DEED 20-022035

BENCHMARK #1 ELEV. 728.52
MAG NAIL IN THE POWER POLE NORTH EAST OF THE INTERSECTION OF EAST RIVER ROAD AND THE BIKE PATH.

HORIZONTAL CONTROL:

TRAVERSE POINT #105
N=627173.0010
E=1481576.1110
ALIGNMENT: EAST RIVER ROAD SOUTH
STA. 104+37.21, 19.11' RT

TRAVERSE POINT #106
N=626961.5640
E=1481441.0790
ALIGNMENT: EAST RIVER ROAD SOUTH
STA. 102+06.53, 78.21' LT

TRAVERSE POINT #150
N=62782.4820
E=1481629.3290
ALIGNMENT: EAST RIVER ROAD SOUTH

PLAN OVER PLAN - EAST RIVER ROAD
STA. 100+00 to STA. 105+00

DESIGN AGENCY
CHOICE ONE ENGINEERING
DESIGNER IJW
REVIEWER NNS 7-18-2025
PROJECT ID 119384
SHEET P.17 TOTAL 24

MOT-GMR TRAIL IMP CR22A

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INTERSECTION OF EAST HELENA STREET AND NORTH BEND BOULEVARD - DAYTON

HORIZONTAL SCALE IN FEET
0 10 20 40

CITY OF DAYTON
ISLAND PARK
DB 1204-588
DB 1204-591
R7205706A0002

THIRD AMENDMENT CONTRACT
CITY OF DAYTON
MIAMI CONSERVANCY DISTRICT
DMF 80-324C11

WHOLESALERS PROPERTY CO LLC
117 HELENA ST.

Ex. CENTERLINE
MIAMI CONSERVANCY DISTRICT
DB 381-577
R7205706A0007
ASPHALT PVMT.
CL MCD LEVEE LINE
NORTH BEND BOULEVARD
Ex R/W
66" SAN
SA
Ex. STOP BAR
2'X2' CONCRETE WALK (TYP.)
WATER VALVE (ATG)
SAN
GATE
Ex. POSTS (DND) (TYP)
SIGN
10" W
Ex. S/W
TP #111
TP #112
SIGN POST
PROPOSED RRFB SIGN ASSEMBLY WITH W11-15 SIGNAGE
P6
SW9
44' BARIER CURB, TYPE 6 REPLACED IN KIND
91 SF-2' WIDE PAVEMENT REPAIR
TRUNCATED DOMES
300
301
302
303
304
305
N62° 01' 07"E
EAST HELENA STREET
34' BARIER CURB, TYPE 6 REPLACED IN KIND
P5
PROPOSED RRFB SIGN ASSEMBLY WITH W11-15 SIGNAGE
71 SF-2' WIDE PAVEMENT REPAIR
2" G
8 M #6 SAN
CONTRACTOR TO VERIFY CURB RAMP SUBGRADE DOES NOT ENCROACH ON GAS MAIN PRIOR TO CONSTRUCTION COST INCIDENTAL TO ITEM 608 CONCRETE WALK
SW8
I.P.F.
I.P.F.SAN
DAYTON METROPOLITAN HOUSING AUTHORITY
117 HELENA ST.

BENCHMARK #6 ELEV. 752.10
MAG NAIL IN THE POWER POLE AT THE SOUTH EAST CORNER OF THE INTERSECTION OF HELENA STREET AND NORTH BEND BOULEVARD.

CITY OF DAYTON
ISLAND PARK
DB 1204-588
DB 1204-591
R7205706A0002

HORIZONTAL CONTROL:

TRAVERSE POINT #111
N=652386.1930
E=1491966.1180
ALIGNMENT: EAST HELENA STREET
STA. 301+98.88, 30.22' LT

TRAVERSE POINT #112
N=652464.5630
E=1492105.7060
ALIGNMENT: EAST HELENA STREET
STA. 303+58.92, 33.94' LT

CL MCD LEVEE LINE
MIAMI CONSERVANCY DISTRICT
DB 381-577
R7205706A0007

PLAN OVER PLAN - EAST HELENA STREET
STA. 300+00 to STA. 305+00

MOT-GMR TRAIL IMP CR22A

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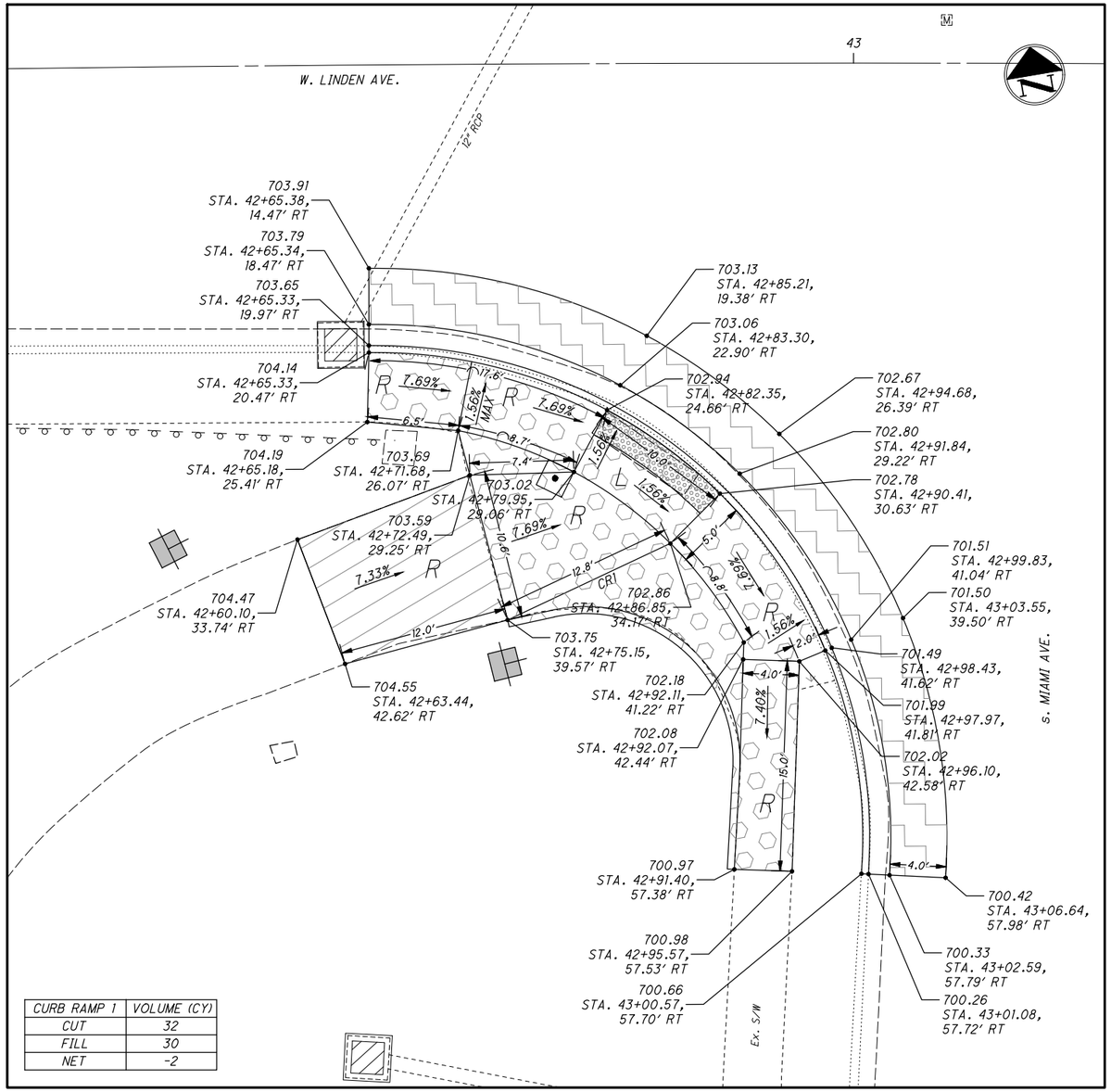
DESIGN AGENCY
CHOICE ONE ENGINEERING

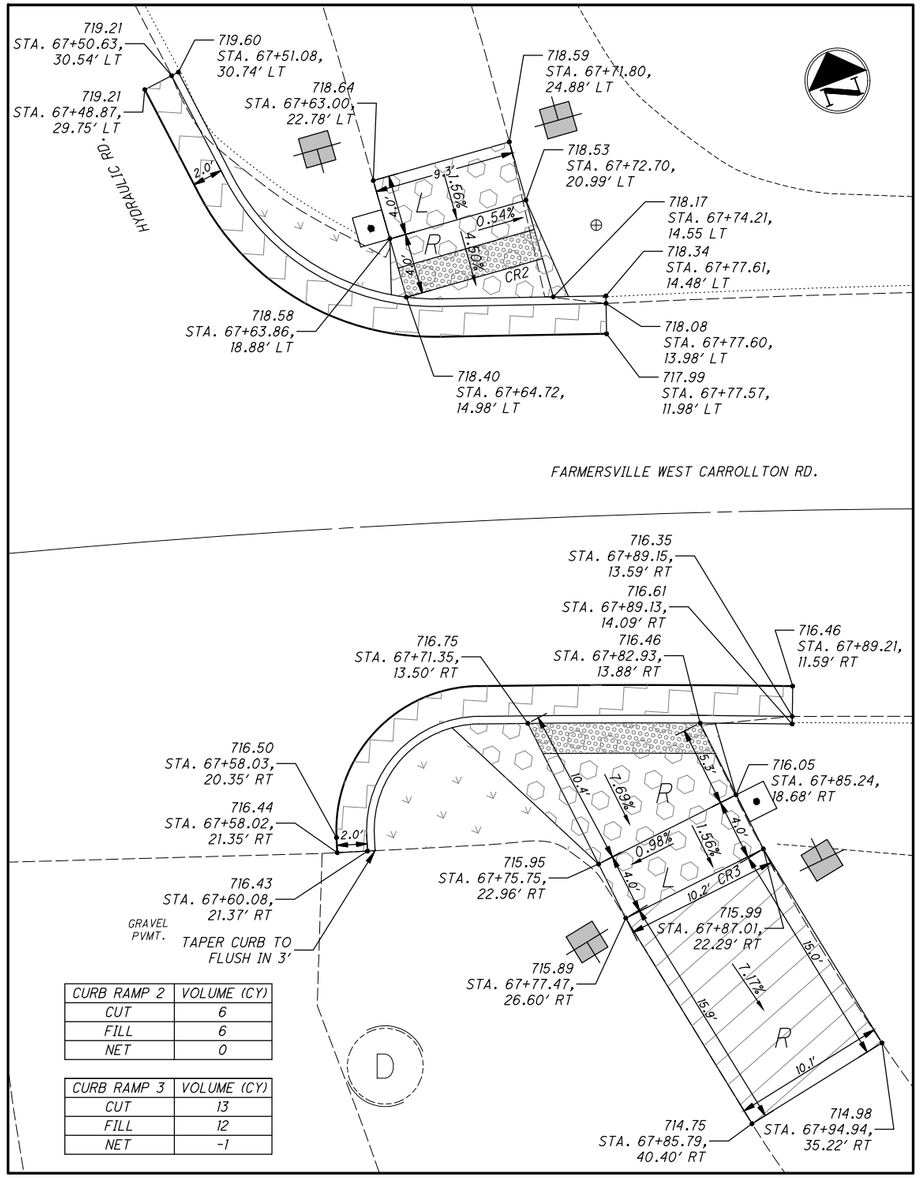
DESIGNER	IJW
REVIEWER	NNS 7-18-2025
PROJECT ID	119384
SHEET	P.18
TOTAL	24



CURB RAMP 1	VOLUME (CY)
CUT	32
FILL	30
NET	-2

CURB RAMP #1

SW CORNER OF LINDEN AVE. AND MIAMI AVE.



CURB RAMP 2	VOLUME (CY)
CUT	6
FILL	6
NET	0

CURB RAMP 3	VOLUME (CY)
CUT	13
FILL	12
NET	-1

CURB RAMP #2 AND #3

INTERSECTION OF FARMERSVILLE WEST CARROLLTON RD. AND HYDRAULIC RD.

LEGEND (CURB RAMP DETAILS ONLY)

R - RAMP
L - LANDING

HORIZONTAL SCALE IN FEET
0 2.5 5 10

CURB RAMP DETAILS

MOT-GMR TRAIL IMP CR22A

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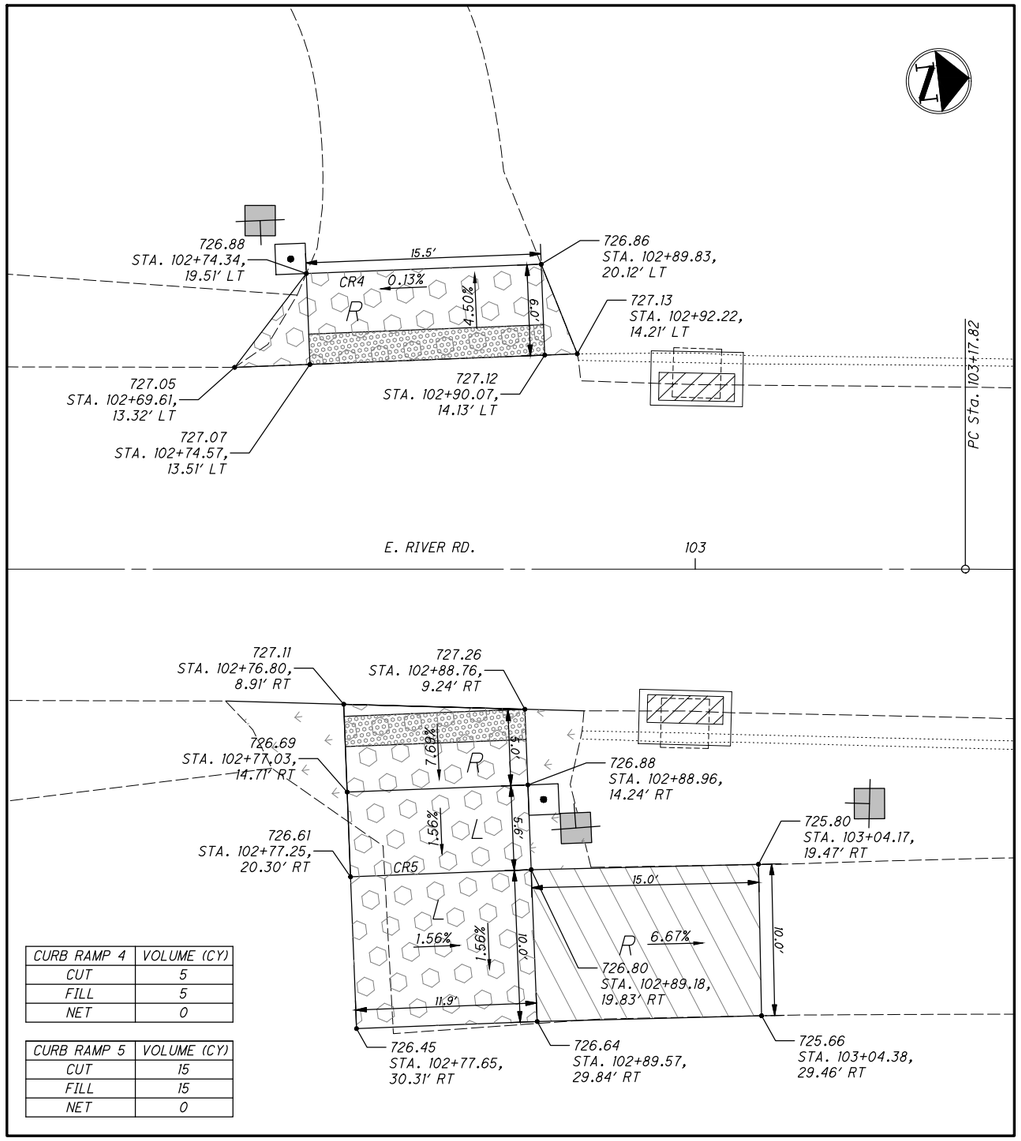
DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	IJW
REVIEWER	NNS 7-18-2025
PROJECT ID	119384
SHEET	P.19
TOTAL	24



CURB RAMP 4	VOLUME (CY)
CUT	5
FILL	5
NET	0

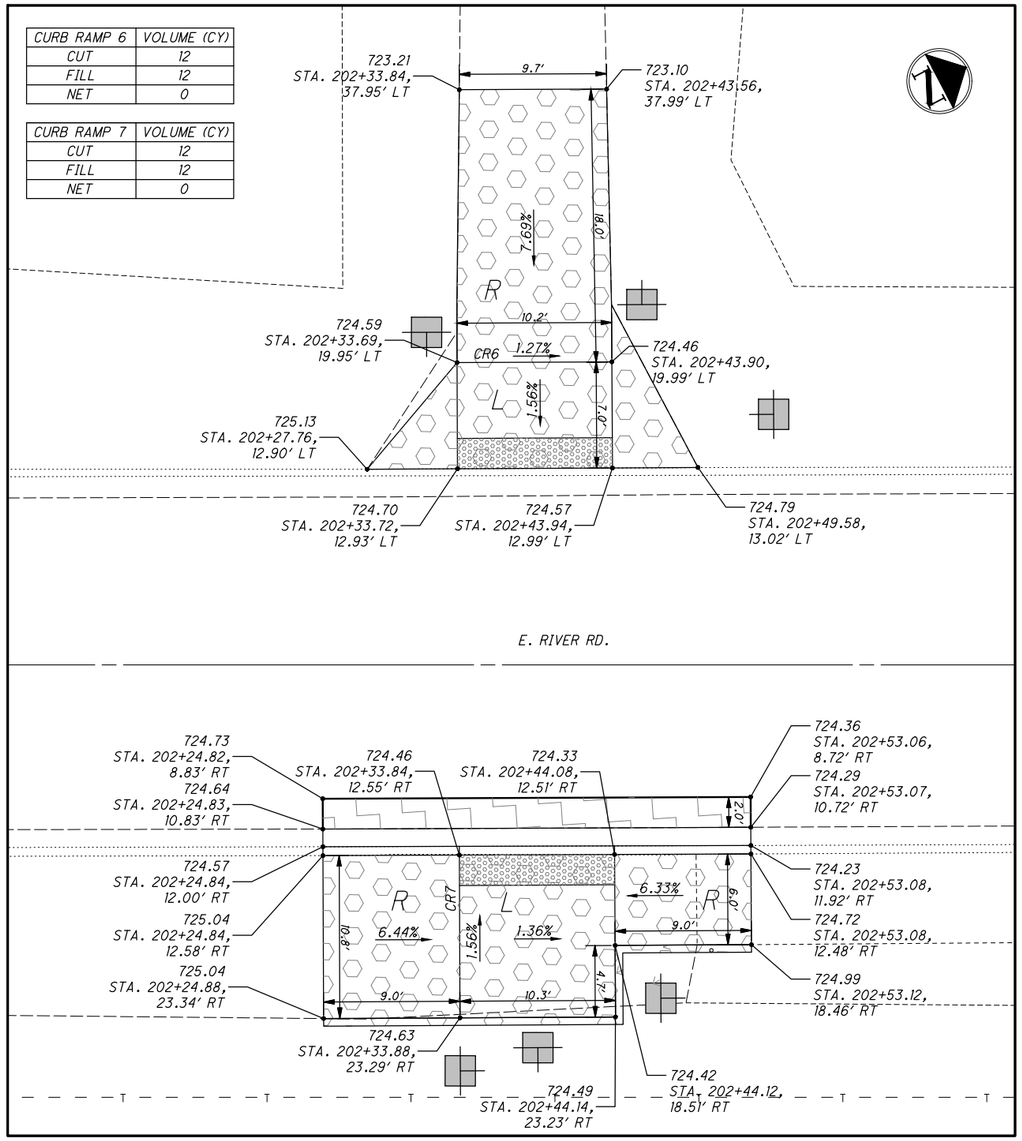
CURB RAMP 5	VOLUME (CY)
CUT	15
FILL	15
NET	0

CURB RAMP #4 AND #5
EAST RIVER ROAD SOUTH

LEGEND (CURB RAMP DETAILS ONLY)
R - RAMP
L - LANDING

CURB RAMP 6	VOLUME (CY)
CUT	12
FILL	12
NET	0

CURB RAMP 7	VOLUME (CY)
CUT	12
FILL	12
NET	0



CURB RAMP #6 AND #7
EAST RIVER ROAD NORTH

HORIZONTAL SCALE IN FEET
0 2.5 5 10

CURB RAMP DETAILS

MOT-GMR TRAIL IMP CR22A

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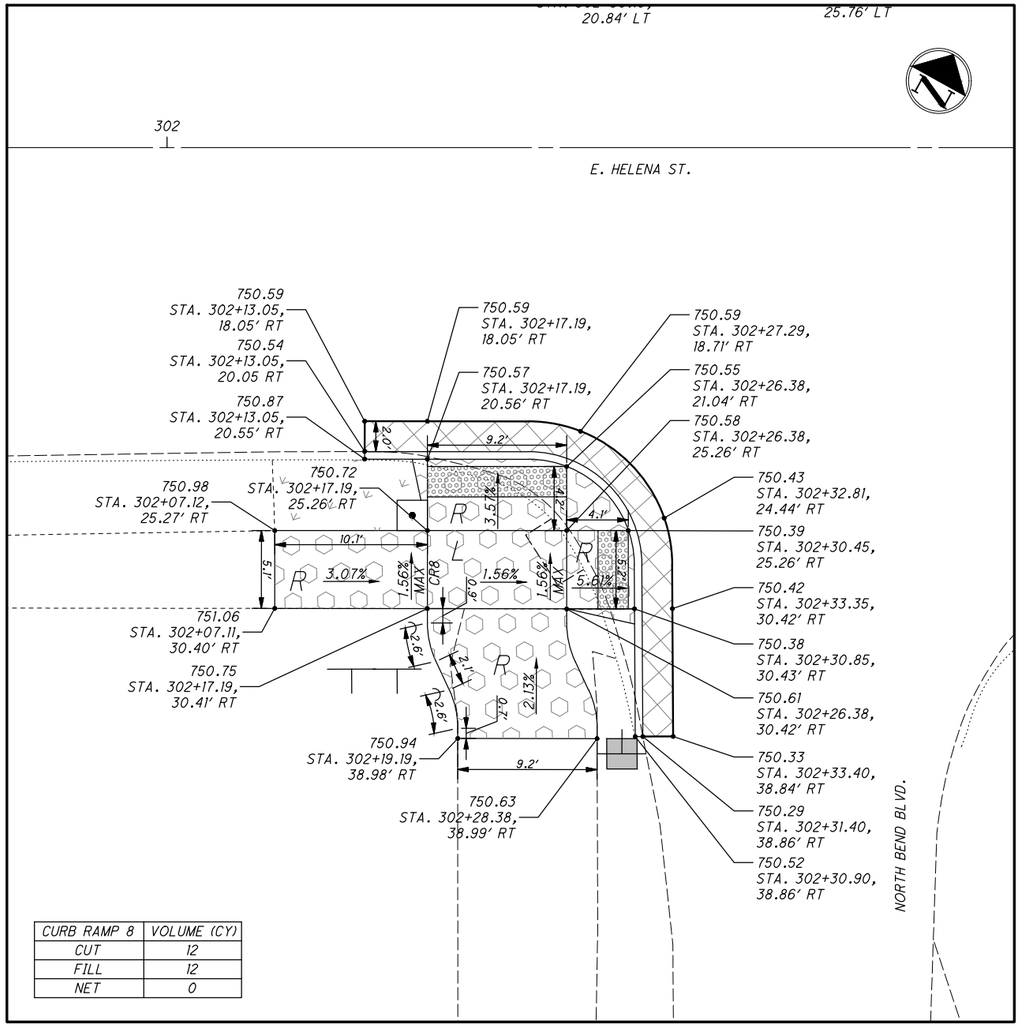
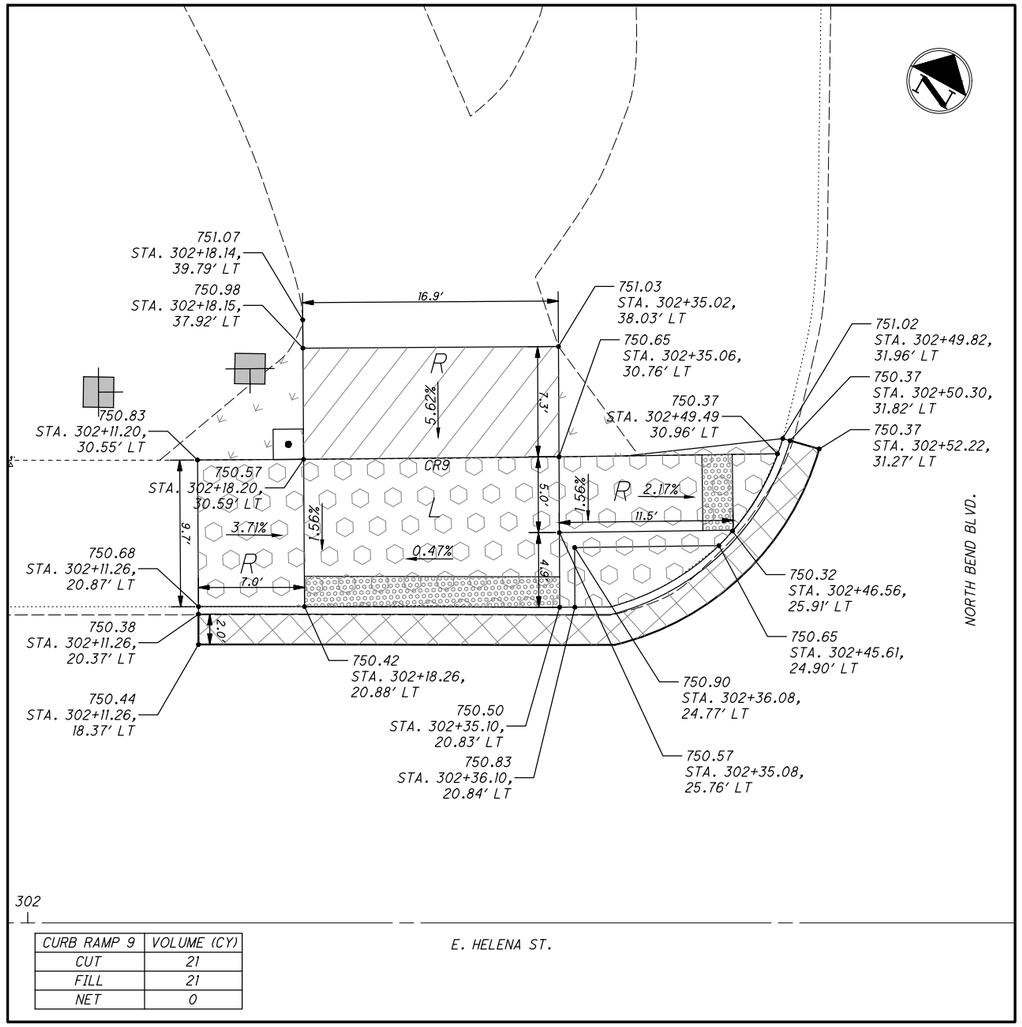
DESIGN AGENCY
CHOICE ONE ENGINEERING
DESIGNER
IJW
REVIEWER
NNS 7-18-2025
PROJECT ID
119384
SHEET P.20 | TOTAL 24



CURB RAMP 8	VOLUME (CY)
CUT	12
FILL	12
NET	0

CURB RAMP #8

SW CORNER OF E. HELENA ST. AND NORTH BEND BLVD.



CURB RAMP 9	VOLUME (CY)
CUT	21
FILL	21
NET	0

CURB RAMP #9

NW CORNER OF E. HELENA ST. AND NORTH BEND BLVD.

LEGEND (CURB RAMP DETAILS ONLY)

R - RAMP
L - LANDING

HORIZONTAL SCALE IN FEET
0 2.5 5 10

CURB RAMP DETAILS

MOT-GMR TRAIL IMP CR22A

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DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER
IJW

REVIEWER
NNS 7-18-2025

PROJECT ID
119384

SHEET P.21 | TOTAL 24

SIGN LEGEND

- **NEW SIGN**
- EXISTING SIGN TO REMAIN
- REMOVAL OF GROUND MOUNTED SIGN AND DELIVERY TO THE MIAMI CONSERVANCY DISTRICT
- EXISTING SIGN REMOVED AND RESET

LEGEND

- (ELX) - EDGE LINE, 4"
- (TLX) - TRANSVERSE LINE
- (SLX) - STOP LINE, 12" (WHITE)
- (XWX) - CROSSWALK LINE, 24" (WHITE)
- (SX) - SIGN ITEM

HORIZONTAL SCALE IN FEET
0 10 20 40

TRAFFIC CONTROL PLAN - WEST LINDEN AVENUE & FARMERSVILLE WEST CARROLLTON ROAD

STA. 40+00 to STA. 45+00 & STA. 65+00 to STA. 70+00

INTERSECTION OF HYDRAULIC ROAD AND FARMERSVILLE WEST CARROLTON ROAD - WEST CARROLTON

INTERSECTION OF WEST LINDEN AVENUE AND SOUTH MIAMI AVENUE - MIAMISBURG

DESIGN AGENCY	CHOICE ONE ENGINEERING
DESIGNER	IJW
REVIEWER	NNS 7-18-2025
PROJECT ID	119384
SHEET	P.22
TOTAL	24

MOT-GMR TRAIL IMP CR22A

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EAST RIVER RD. AND GREAT MIAMI RIVER RECREATIONAL TRAIL NORTH CROSSING - MORAINE

GREAT MIAMI RIVER RECREATION TRAIL SIGN (DND)

M6-1R 12"X9" STA. 202+31, 58' LT (S50)

D11-1 24"X18" BIKE ROUTE

M6-1R

D11-1 BIKE ROUTE (S48)

AHEAD STOP

ASPHALT PVMT.

NO MOTOR VEHICLES R5-3 STA. 202+45, 24' LT (S47)

W16-7PR 24"X12" FLUORESCENT YELLOW-GREEN

W11-1 30"X30" FLUORESCENT YELLOW-GREEN

W16-7PL 24"X12" STA. 202+55, 17' LT FLUORESCENT YELLOW-GREEN (S46)

W11-1 30"X30" FLUORESCENT YELLOW-GREEN

AHEAD W16-9P 24"X12" STA. 204+47, 18' LT FLUORESCENT YELLOW-GREEN (S43)

W11-1 (S44)

LOT 3271 MIAMI CONSERVANCY DISTRICT DB 2094-682

PI STA. 199+89.40

NO MOTOR VEHICLES R5-3 (S51)

R1-1 30"X30" STA. 202+32, 22' LT (S49)

STOP R1-1

B.M. #2

Ex. PAVEMENT MARKING TO BE REMOVED (SL7)

Ex. STOP BAR

24" RCP

12" RCP

NO MOTOR VEHICLES R5-3 (S45)

Ex R/W

200 N28° 46' 46"E EAST RIVER ROAD NORTH

201

202 (XW4)

10.2'

Ex. SIGN POST (TBR)

203 EAST RIVER ROAD

204

205 N28° 46' 46"E EAST RIVER ROAD NORTH

Ex. STOP BAR

ASPHALT PVMT.

CONC. PVMT.

Ex. S/W

TP #107

AHEAD STOP

SAN

SIGN POST

R1-1 30"X30" STA. 202+34, 27' RT (S40) (SL6)

STOP

LOT 3235 MIAMI CONSERVANCY DISTRICT DB 2352-0004

LOT 3522 EVERSTAR RIVER ROAD LLC IR DEED 22-000045

NO MOTOR VEHICLES R5-3 24"X24" STA. 202+39, 25' RT (S41)

EX. SAN ESMT IR DEED 02-05396

W16-7PL 24"X12" STA. 202+41, 22' RT FLUORESCENT YELLOW-GREEN

LOT 3234 SUNNYCREST, INC. IR DEED 02-053861

W11-1 30"X30" FLUORESCENT YELLOW-GREEN

W16-7PR 24"X12" FLUORESCENT YELLOW-GREEN

M6-1L 12"X9" STA. 202+00, 25' RT (S39)

BIKE ROUTE D11-1 24"X18"

AHEAD W16-9P 24"X12" STA. 200+75, 17' RT FLUORESCENT YELLOW-GREEN (S38)

W11-1 30"X30" FLUORESCENT YELLOW-GREEN

EAST RIVER RD. AND GREAT MIAMI RIVER RECREATIONAL TRAIL SOUTH CROSSING - MORAINE

M6-1L 12"X9"

BIKE ROUTE D11-1 24"X18" STA. 102+72, 26' LT (S37)

ASPHALT PVMT.

AHEAD STOP

TP #106

EX. MCD TRAIL ESMT PB 232-35 IR DEED 2018-073051

R1-1 30"X30" STA. 102+71, 23' LT (S36)

STOP

PT STA. 101+03.54

LOT 5515 DAYTON BOAT CLUB IR DEED 18-073051

PROPOSED RRFB SIGN ASSEMBLY WITH W11-1 SIGNAGE (SL5)

Ex. STOP BAR

GRAVEL PVMT.

100 N06° 26' 59"E EAST RIVER ROAD SOUTH

101

EAST RIVER ROAD

102

XW3 15.5'

103

Ex. PAVEMENT MARKING TO BE REMOVED

PROPOSED RRFB SIGN ASSEMBLY WITH W11-1 SIGNAGE (SL4)

Ex. STOP BAR

GRAVEL PVMT.

LOT 5516 SUNSITE LTD IR DEED 24-000820

R1-1 30"X30" STA. 102+92, 17' RT (S29)

STOP

EX. MCD TRAIL ESMT PB 232-35

LOT 5506 DAYTON BOAT CLUB IR DEED 18-073051

R1-1 STOP (S35)

W16-7PR 24"X12" STA. 102+72, 20' LT FLUORESCENT YELLOW-GREEN

W11-1 30"X30" FLUORESCENT YELLOW-GREEN

W16-7PL 24"X12" FLUORESCENT YELLOW-GREEN (S33)

W11-1 30"X30" FLUORESCENT YELLOW-GREEN

AHEAD W16-9P 24"X12" STA. 104+32, 17' LT FLUORESCENT YELLOW-GREEN (S32)

PC STA. 103+17.82

D11-1 BIKE ROUTE

W11-1 (S34)

M6-1R

EP STA. 105+00.00

104

105

CONC. PVMT.

AHEAD STOP

ASPHALT PVMT.

TP #105

B.M. #1

TP #150

GRAVEL PVMT.

M6-1L

D11-1 BIKE ROUTE (S30)

W11-1

D11-1 24"X18" BIKE ROUTE

M6-1R 12"X9" STA. 103+12, 15' RT (S31)

LOT 5527 THE DAYTON DOG TRAINING CLUB IR DEED 20-022035

W16-9P 24"X12" STA. 101+52, 14' RT FLUORESCENT YELLOW-GREEN

AHEAD (S27)

W11-1 30"X30" FLUORESCENT YELLOW-GREEN

W16-7PL 24"X12" STA. 102+90, 15' RT FLUORESCENT YELLOW-GREEN (S28)

W11-1 30"X30" FLUORESCENT YELLOW-GREEN

W11-1 30"X30" FLUORESCENT YELLOW-GREEN

W16-7PR 24"X12" FLUORESCENT YELLOW-GREEN

HORIZONTAL SCALE IN FEET 0 10 20 40

TRAFFIC CONTROL PLAN - EAST RIVER ROAD

STA. 100+00 to STA. 105+00

MOT-GMR TRAIL IMP CR22A

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DESIGN AGENCY	CHOICE ONE ENGINEERING
DESIGNER	IJW
REVIEWER	NNS 7-18-2025
PROJECT ID	119384
SHEET	P.23
TOTAL	24

INTERSECTION OF EAST HELENA STREET AND NORTH BEND BOULEVARD - DAYTON

CITY OF DAYTON
ISLAND PARK
DB 1204-588
DB 1204-591
R7205706A0002

THIRD AMENDMENT CONTRACT
CITY OF DAYTON
MIAMI CONSERVANCY DISTRICT
DMF 80-324C11

S60 — D11-1 24"X18" BIKE ROUTE
M6-1R 12"X9"
STA. 302+05, 35' LT

S58 — R1-1 30"X30" STOP
NO MOTOR VEHICLES
R5-3 24"X24"
STA. 302+15, 37' LT

S59 — R1-1 STOP
NO MOTOR VEHICLES
R5-3

S57 — D11-1 BIKE ROUTE
M6-1R
W11-1

S61 — W16-7PR 24"X12" FLUORESCENT YELLOW-GREEN
STA. 302+17, 32' LT
W11-15 30"X30" FLUORESCENT YELLOW-GREEN
W11-15 30"X30" FLUORESCENT YELLOW-GREEN
W16-7PL 24"X12" FLUORESCENT YELLOW-GREEN

S52 — W16-9P 24"X12" FLUORESCENT YELLOW-GREEN
STA. 300+75, 23' RT
AHEAD
W11-15 30"X30" FLUORESCENT YELLOW-GREEN

S54 — W11-1

PARKING

BENCHMARK #6 ELEV. 752.10
MAG NAIL IN THE POWER POLE AT THE SOUTHEAST CORNER OF THE INTERSECTION OF HELENA STREET AND NORTH BEND BOULEVARD.

CITY OF DAYTON
ISLAND PARK
DB 1204-588
DB 1204-591
R7205706A0002

S62 — GREAT MIAMI RIVER RECREATION TRAIL SIGN (REMOVE AND RESET TO STA. 302+12, 34' RT)

S63 — KEOWEE STREET BIKEWAY SIGN (REMOVE AND RESET TO STA. 302+15, 34' RT)

STOP
R1-1
30"X30"
STA. 302+30, 40' RT
S53

Ex. CENTERLINE
ASPHALT PVMT.
CL MCD LEVEE LINE
MIAMI CONSERVANCY DISTRICT
DB 381-577
R7205706A0007
Ex R/W
NORTH BEND BOULEVARD
Ex. STOP BAR
SA
Ex. S/W
TP #111
PROPOSED RRFB SIGN ASSEMBLY WITH W11-15 SIGNAGE
16.8'
SL9
XW5
SL8
SIGN POST
DEEDS PARK SIGN (DND)
Ex. POSTS (DND) (TYP)
SIGN
GATE
TP #112
EMERGENCY VEHICLE WEIGHT LIMIT
2 AXLE 29T
3 AXLE 41T
R12-H7
WHOLESALERS PROPERTY CO LLC
117 HELENA ST.
W11-15 30"X30" FLUORESCENT YELLOW-GREEN
AHEAD
W16-9P 24"X12" FLUORESCENT YELLOW-GREEN
STA. 304+23, 30' LT
S56
300
301
302
303
304
305
N62° 01' 07"E
EAST HELENA STREET
B.M. #6
R4-7B
KEEP RIGHT
O.I.P.F.
STOP
R1-1
DAYTON METROPOLITAN HOUSING AUTHORITY
117 HELENA ST.
S55 — W16-7PL 24"X12" FLUORESCENT YELLOW-GREEN
STA. 302+19, 24' RT
W11-15 30"X30" FLUORESCENT YELLOW-GREEN
W11-15 30"X30" FLUORESCENT YELLOW-GREEN
W16-7PR 24"X12" FLUORESCENT YELLOW-GREEN

HORIZONTAL SCALE IN FEET
0 10 20 40

TRAFFIC CONTROL PLAN - EAST HELENA STREET
STA. 300+00 to STA. 305+00

MOT-GMR TRAIL IMP CR22A

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DESIGN AGENCY
CHOICE ONE ENGINEERING

DESIGNER	IJW
REVIEWER	NNS 7-18-2025
PROJECT ID	119384
SHEET	P.24
TOTAL	24