

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

HAM INVERTS FY2025

WHITEWATER, SYCAMORE, AND COLUMBIA TOWNSHIPS
HAMILTON COUNTY

FEDERAL PROJECT NUMBER

E240377

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

REHABILITATE BRIDGE SIZED CULVERTS HAM-50-2955, HAM-75-1710 AND HAM-275-0158 AND SMALL CUVLERT HAM-50-2948.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: * ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: * ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: * ACRES
*SEE INDIVIDUAL CULVERT SHEETS

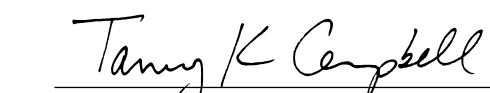
LIMITED ACCESS


THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

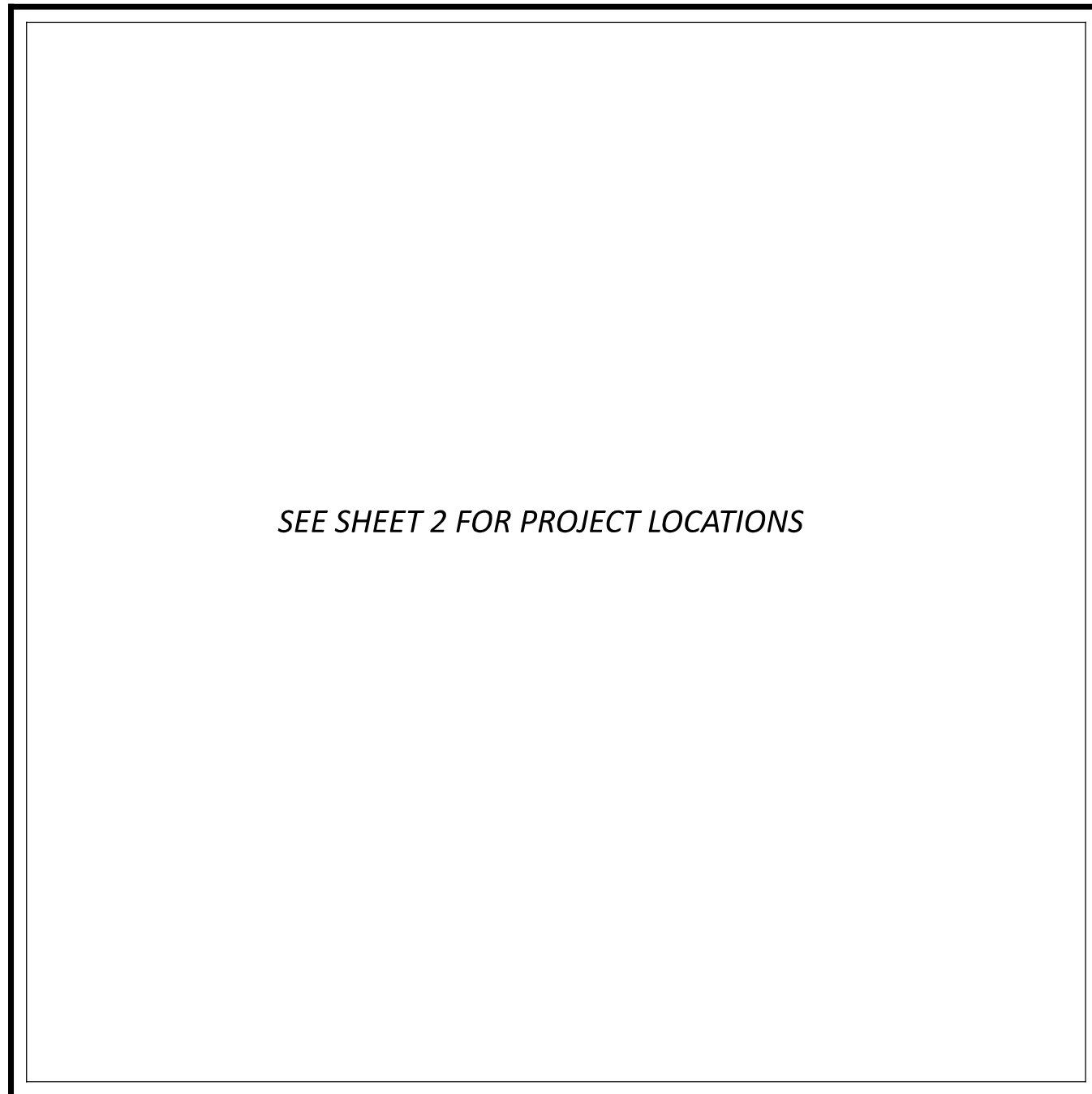
2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON 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.


Tammy K. Campbell, P.E.
District 08 Deputy Director


Jack Marchbanks, PhD
Director, Department of Transportation



LOCATION MAP

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DESIGN EXCEPTIONS

NONE

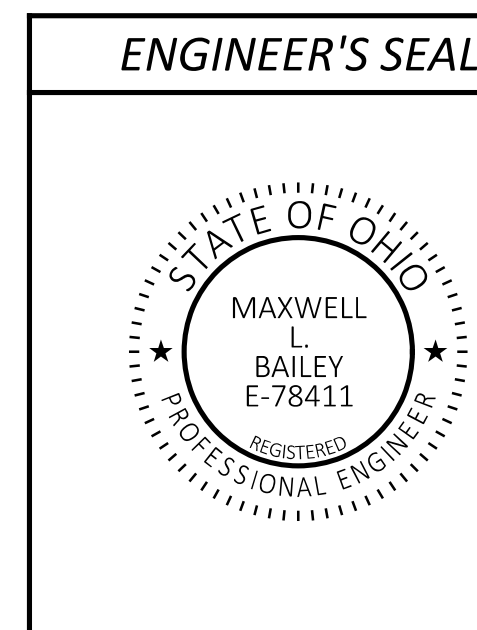
ADA DESIGN WAIVERS

NONE

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764 (Non members must be called directly)

PLAN PREPARED BY:
OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT 8 - ENGINEERING



STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
DM-1.1	7/17/20			800-2023 7/19/24	WATERWAY
MH-3	1/19/24			832 7/21/23	SPECIAL
DM-4.3	1/15/16			837 1/19/24	PROVISIONS
DM-4.4	1/15/16			899 1/19/24	11/1/24
MT-95.30	7/19/19				
MT-95.45	7/21/23				
MT-97.10	4/19/19				
MT-98.11	1/17/20				
MT-98.20	4/19/19				
MT-105.10	1/17/20				

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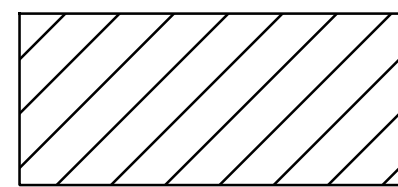
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TITLE SHEET

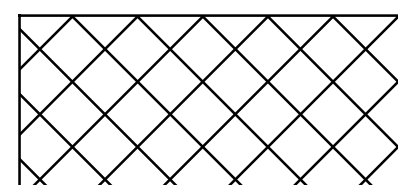
DESIGN AGENCY

DESIGNER
MLB
REVIEWER
XXX MM-DD-YY
PROJECT ID
110633
SHEET TOTAL
01 11

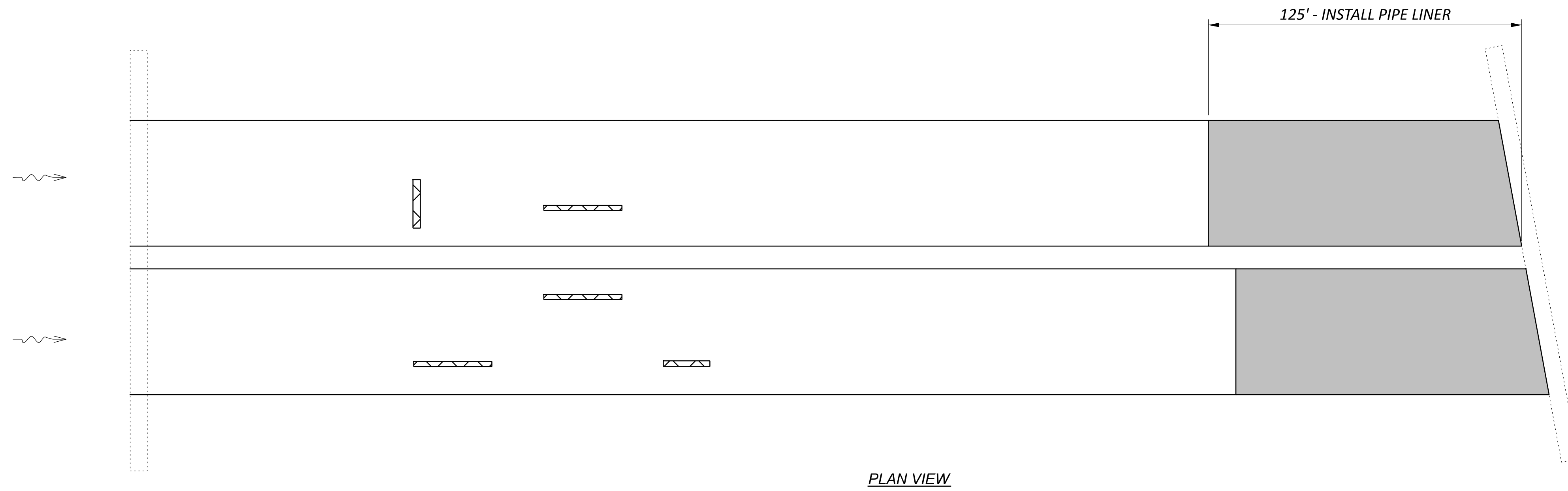
LEGEND



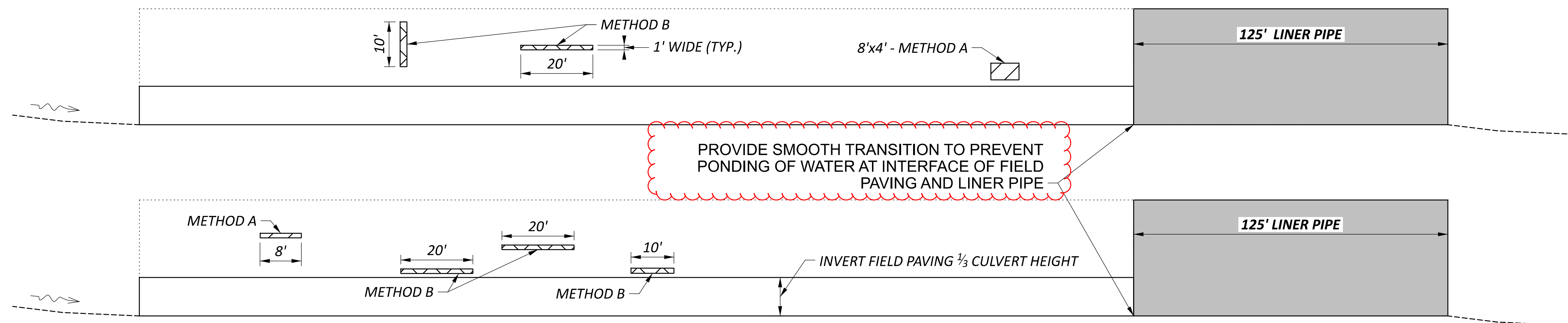
REPAIR METHOD A



REPAIR METHOD B



PLAN VIEW



PROFILE VIEW

NOTES:

1. SEE GENERAL NOTES SHEET FOR CMP REPAIR METHOD A, B, AND C NOTES.
2. ALL QUANTITIES CARRIED TO SHEET 7.
3. PROVIDE A SMOOTH TRANSITION FROM FIELD PAVING TO LINER PIPE INTERFACE AS TO AVOID CREATING A LIP AND PONDING OF WATER AT THE PIPE INVERT.

EXISTING CMP HOST PIPE CONDITIONS

THE DEPARTMENT HAS FIELD MEASURED THE EXISTING PIPES AT 25' INCREMENTS AND FOUND THE AVERAGE HEIGHT TO BE APPROXIMATELY 119", THE AVERAGE WIDTH TO BE 200", THE SHORTEST HEIGHT TO BE 116.5" (NORTH PIPE) AND THE NARROWEST WIDTH TO BE 198" (SOUTH PIPE). TYPICAL BOLT LENGTHS ARE 1", HOWEVER, SOME BOLTS (APPROXIMATELY 20%) HAVE EXCESSIVE STICK THROUGH THAT MAY REQUIRE CUTTING FOR LINER INSERTION. THE THICKNESS OF THE EXISTING CORRUGATED METAL PLATES (CMP) REPAIRS THAT ARE TACK WELDED TO THE PIPE INTERIOR REDUCE THE THICKNESS LOCAL BY 1.5" INCHES. THESE EXISTING MEASUREMENTS ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN FIELD VERIFICATION OF PIPE CONDITIONS AND MEASUREMENTS PRIOR TO FABRICATION OF THE LINER AND ACHIEVING THE INTERIOR DIMENSIONS OF THE HYDRAULIC OPENING AS SPECIFIED IN THE PLANS. THIS INCLUDES CUTTING OF EXCESSIVE BOLT STICK-THROUGH IF NEEDED, REMOVAL OF THE CMP PLATE REPAIRS INCLUDING TEMPORARY BACKFILL CONTAINMENT IF NECESSARY, AND OTHER ACCOMMODATIONS AS NECESSARY TO INSTALL THE LINER. THE LINER SHALL MAINTAIN ALL PIPE PENETRATIONS AND ENSURE THAT FLOW FROM THE PIPE PENETRATIONS DOES NOT GET BETWEEN THE LINER AND THE HOST PIPE.

