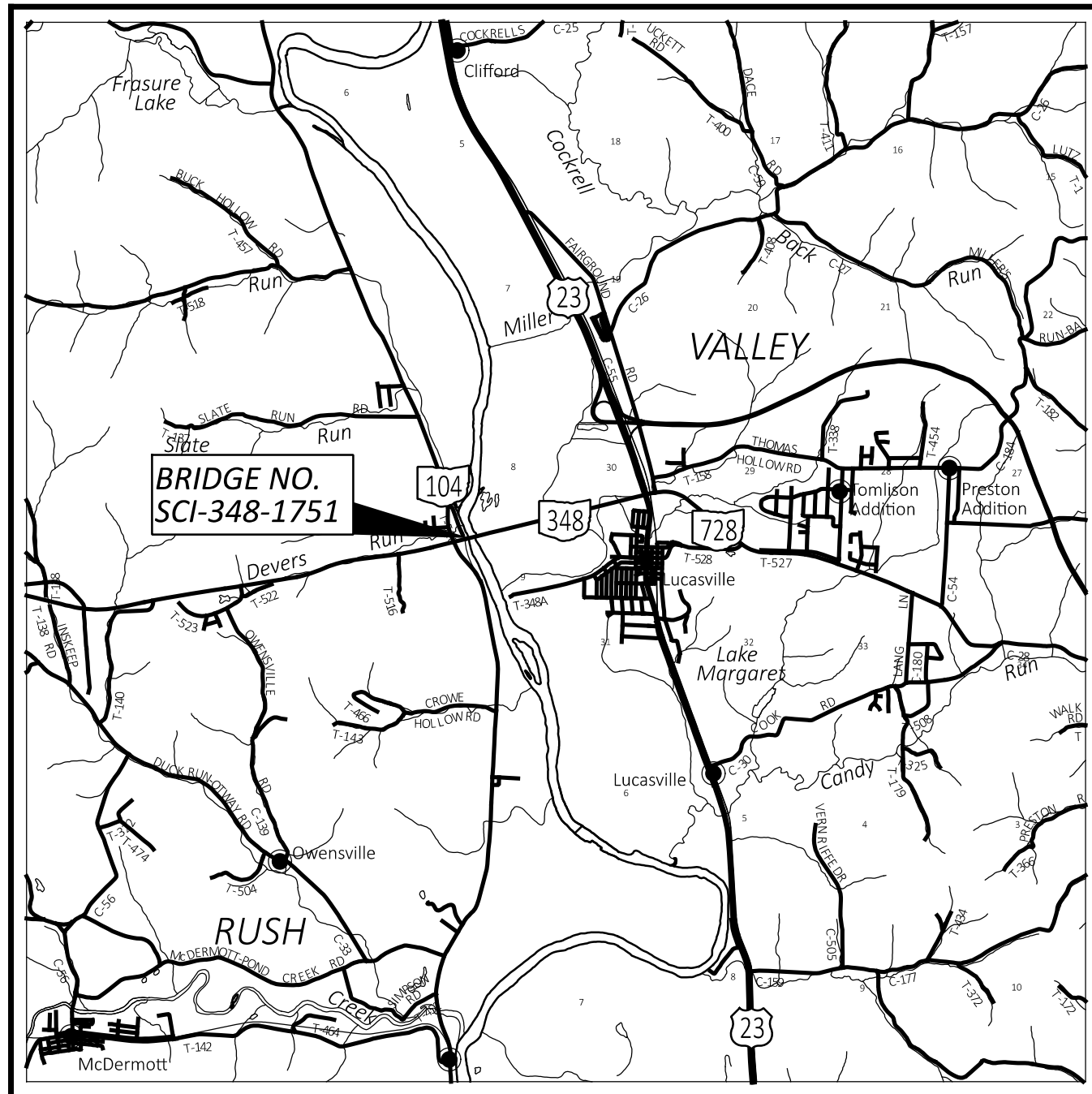


STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

SCI-348-17.51

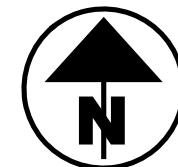
VALLEY AND MORGAN TOWNSHIPS

SCIOTO COUNTY



LOCATION MAP

LATITUDE: 38N°52'53" LONGITUDE: 83W°01'04"



PORTION TO BE IMPROVED	
INTERSTATE HIGHWAY	
FEDERAL ROUTES	
STATE ROUTES	
COUNTY & TOWNSHIP ROADS	
OTHER ROADS	

DESIGN DESIGNATION

CURRENT ADT (2024)	8,100
DESIGN YEAR ADT (2044)	8,900
DESIGN HOURLY VOLUME (2024)	1,100
DIRECTIONAL DISTRIBUTION	58%
TRUCKS (24 HOUR B&C)	8%
DESIGN SPEED	55 MPH
LEGAL SPEED	55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
04 MINOR ARTERIAL (RURAL)	
NHS PROJECT	NO

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

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

PLAN PREPARED BY:
STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DISTRICT 9 ENGINEERING

INDEX OF SHEETS:

TITLE SHEET	P.1
SCHEMATIC PLAN	P.2
GENERAL NOTES	P.3
MAINTENANCE OF TRAFFIC	P.4
GENERAL SUMMARY	P.5
STRUCTURE OVER 20 FOOT SPAN	
BRIDGE NO. SCI-348-1751	P.6 - P.7
SCOUR PROTECTION DETAILS	P.8

[illegible]**FEDERAL PROJECT NUMBER**

E240 (235)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

REHABILITATION OF THE EXISTING FOUR SPAN
BRIDGE OVER THE SCIOTO RIVER BY PLACING
SCOUR PROTECTION AROUND PIER 1.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	0.25 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.00 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A (NOI NOT REQUIRED)*
* ROUTINE MAINTENANCE PROJECT	


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.

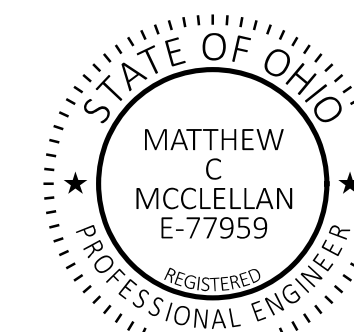
2023 SPECIFICATIONS

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.


Michael G. Dombrowski
District 09 Deputy Director


Pamela Boratyn
Director, Department of Transportation



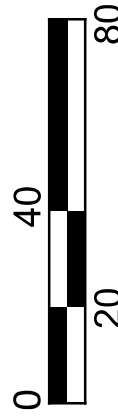
ENGINEER'S SEAL

SURVEY CONTROL TABLE						
PT	NORTHING (GROUND)	EASTING (GROUND)	STA.	OFFSET	ELEV.	DESCRIPTION
CP01	375699.6414	158216.2765	946+97.12	25.38	546.193	IPID
CP02	375925.9775	158471.4048	949+99.80	-131.789	542.150	CMON
CP03	375919.0977	158837.3268	953+52.96	-35.746	541.690	IPINS
CP04	376035.045	159346.3263	958+74.87	-23.865	542.364	IPINS
CP05	376147.3109	159808.4983	963+50.46	-19.851	541.183	CMON

THERE ARE NO EXISTING LANDSCAPED AREAS WITHIN THE WORK LIMITS.



HORIZONTAL
SCALE IN FEET



SCHEMATIC PLAN

DESIGN AGENCY



DESIGNER

MCM

REVIEWER

JAZ 01-09-25

PROJECT ID

119950

SHEET

P.2

TOTAL

8

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE OR ADJACENT TO THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

AMERICAN ELECTRIC POWER (DISTRIBUTION)
38831 STATE ROUTE 7
REEDSVILLE, OHIO 45772
MR. CLARKE SAUNDERS
DISTRIBUTION PUBLIC PROJECTS COORDINATOR
740-985-3054

AMERICAN ELECTRIC POWER (TRANSMISSION)
8600 SMITHS MILL ROAD
NEW ALBANY, OHIO 43054
MR. MICHAEL CARR
TRANSMISSION PUBLIC PROJECTS COORDINATOR
380-205-5072

FRONTIER COMMUNICATIONS
1315 ALBERT STREET
PORTSMOUTH, OHIO 45662
MS. DENA MARTIN
FIELD ENGINEER
740-354-0521

NORTHWEST REGIONAL WATER DISTRICT
P. O. BOX 158
MCDERMOTT, OHIO 45652
MR. TIM NEAL
GENERAL MANAGER
740-259-2789 EXT. 1006

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

CLEARING AND GRUBBING

ALL TREES MARKED FOR REMOVAL WITHIN THE CONSTRUCTION WORK LIMITS HAVE BEEN REMOVED UNDER A SEPARATE CONTRACT TO ±4'-0" ABOVE THE EXISTING GROUND. ALL STUMPS THAT REMAIN ARE TO BE REMOVED UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF STUMPS TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS	TOTAL
18"		15	15
30"			
48"			

ENDANGERED BAT HABITAT REMOVAL

ENSURE IMPACTS TO THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT AND THE STATE LISTED AND PROTECTED LITTLE BROWN BAT AND TRICOLORED BAT ARE AVOIDED AND MINIMIZED. DO NOT REMOVE TREES FROM APRIL 1 THROUGH SEPTEMBER 30. PERFORM ALL NECESSARY TREE REMOVAL FROM OCTOBER 1 THROUGH MARCH 31. DEMARCAT E CLEARING LIMITS IN THE FIELD TO AVOID ANY UNAUTHORIZED TREE CLEARING. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

SURVEY PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET P.2 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: ODOT V.R.S.
MONUMENT TYPE: IRON PINS WITH CAPS

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOID 18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: ODOT LDP - SCIOTO COUNTY
COMBINED SCALE FACTOR: 1.00000000
ORIGIN OF COORDINATE SYSTEM: 0,0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

IN-STREAM WORK RESTRICTIONS (SCIOTO RIVER)

NO WORK OR FILL, PERMANENT OR TEMPORARY, IS PERMITTED BELOW THE ORDINARY HIGH WATER MARK (OHWM) OF THE SCIOTO RIVER FROM MARCH 15 TO JUNE 30. FILLS PLACED WITHIN THE SCIOTO RIVER (OUTSIDE OF THE WORK RESTRICTION DATES) CAN CONTINUE TO BE WORKED FROM DURING THE WORK RESTRICTION DATES, BUT CANNOT BE EXPANDED, REMOVED, OR OTHERWISE MODIFIED (BELOW ORDINARY HIGH WATER) UNTIL ONCE AGAIN OUTSIDE OF THE WORK RESTRICTION DATES.

DRINKING WATER PROTECTION AREA

THIS PROJECT IS LOCATED WITHIN A DRINKING WATER PROTECTION AREA. USE PROPER CONTAINMENT AND DIKING IN REFUELING AREAS. DO NOT STORE FUELS, TOXIC/HAZARDOUS MATERIALS, AND CHEMICALS NEAR DRAINAGE WAYS, DITCHES, OR STREAMS. MAINTAIN A SPILL KIT ON-SITE THROUGHOUT CONSTRUCTION ACTIVITIES. IMMEDIATELY MITIGATE ANY EVENT, SUCH AS A SPILL OF FUELS, OILS, OR CHEMICALS, THAT COULD THREATEN TO CONTAMINATE THE DRINKING WATER SUPPLY. REPORT ALL SPILLS OR EVENTS TO THE WATER TREATMENT PLANT. IF THE SPILL IS A REPORTABLE AMOUNT (PER OHIO EPA'S RELEASE REPORTING REQUIREMENTS), CONTACT LOCAL FIRE DEPARTMENT OR THE OHIO EPA'S SPILLS HOTLINE 1-800-282-9378 FOR CLEAN-UP OF THE SPILL.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

ITEM 601 - CHANNEL PROTECTION, MISC.: ARMORTEC A-JACKS

THIS ITEM CONSITS OF ARMORING AROUND PIER 1 WITH CONTECH ARMORTEC 24" A-JACKS OR AN APPROVED EQUAL. THE GEOMETRY OF AN A-JACKS CONCRETE ARMOR UNIT CONSISTS OF SIX ARMS EXTENDING FROM A CENTRAL HUB AS DETAIL ON SHEET P.8. A COMPLETE UNIT IS MADE UP OF TWO IDENTICAL HALVES, WITH EACH HALF CONSISTING OF A CENTRAL CORE WITH THREE LEGS RADIATING OUTWARD AT EQUAL SPACING. ON EACH HALF, TWO FILLETS ARE LOCATED BETWEEN ADJACENT ARMS. 24" A-JACKS SHALL BE LOCATED AS SHOWN IN THE PLANS AND AS DIRECTED BY THE MANUFACTURER.

ARMORTEC A-JACKS SHALL BE TIED TOGETHER AS DIRECTED BY THE MANUFACTURER WITH REVETMENT CABLE CONSTRUCTED OF PREFORMED GALVANIZED AIRCRAFT CABLE. THE CABLES SHALL BE MADE FROM INDIVIDUAL WIRES AND STRANDS THAT HAVE BEEN FORMED DURING THE MANUFACTURE INTO THE SHAPE THEY HAVE IN FINISHED CABLE. CABLE SHALL CONSIST OF A CORE CONSTRUCTION COMPRISED OF SEVEN WIRES WRAPPED WITHIN NINETEEN WIRE STRANDS. THE REVETMENT CABLE SHALL BE 3/8" DIA. CABLE WITH AN APPROXIMATE AVERAGE STRENGTH OF 14,400 LBS. WITH A WEIGHT PER LENGTH OF 24.3 LBS./100 FEET. FITTINGS SUCH AS SLEEVES AND STOPS SHALL BE ALUMINUM AND THE WASHERS SHALL BE GALVANIZED STEEL.

THE A-JACKS SHALL BE CONSTRUCTED ACCORDING TO THE RECOMMENDATION OF THE MANUFACTURER. SHOP DRAWINGS OF THE INSTALLATION SHALL BE SUBMITTED AND REVIEWED BY THE ENGINEER BEFORE INSTALLING ITEM 601 - CHANNEL PROTECTION, MISC.: ARMORTEC A-JACKS. A QUALIFIED REPRESENTATIVE OF THE A-JACKS MANUFACTURER SHALL BE PRESENT AT THE BEGINNING OF THE WORK TO ENSURE ADEQUATE WORKMANSHIP AND INSPECTION OF THE CONSTRUCTION OPERATION AND BE MADE AVAILABLE FOR 3 ADDITIONAL DAYS AT NO ADDITIONAL COST TO THE STATE.

PAYMENT FOR ALL EXCAVATION, EQUIPMENT, MATERIALS, AND LABOR REQUIRED TO PERFORM THE WORK OUTLINED ABOVE SHALL BE INCLUDED IN THE EACH CONTRACT PRICE FOR ITEM 601 - CHANNEL PROTECTION MISC.: ARMORTEC A-JACKS, UNLESS SEPARATELY ITEMIZED IN THE PLANS.

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO C&MS, SECTIONS 102.05, 105.02, AND 513.04*. BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

SEEDING AND MULCHING

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

659, SEEDING AND MULCHING 4,000 SQ. YD.
659, REPAIR SEEDING AND MULCHING 200 SQ. YD.
659, COMMERCIAL FERTILIZER 0.54 TON
659, LIME 0.83 ACRES
659, WATER 21.6 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

DESIGN AGENCY



DESIGNER

MCM

REVIEWER

JAZ 01-09-25

PROJECT ID

119950

SHEET

P.3

TOTAL

8

ITEM 614 - MAINTAINING TRAFFIC

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT. ALL LANES OF TRAFFIC AT THE INTERSECTION WITH S.R. 104 SHALL BE MAINTAINED AT ALL TIMES AND ALL LANES OF TRAFFIC SHALL BE OPEN AT THE END OF EACH WORK DAY.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

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 THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (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, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	4 CALENDAR DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 CALENDAR DAYS PRIOR TO CLOSURE
START OF CONST. & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO CLOSURE

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

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER..... 1 M. GAL.



DESIGNER
JAZ

REVIEWER

MCM 01-13-25

PROJECT ID
119950

SHEET	TOTAL
P.4	8

SCI-348-17.51

MODEL: Steel_SurfI PAPERSIZE: 34x22 (in.) DATE: 1/16/2025 TIME: 10:27:34 AM USER: jzickafo
 pw:\vhohdd-pw-bentley.com:rhohdd-pw-02\Documents\01 Active Projects\District 09\Scottd\119950\400-Engineering\Roadway\Sheets\119950_GG001.dgn

[illegible]

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

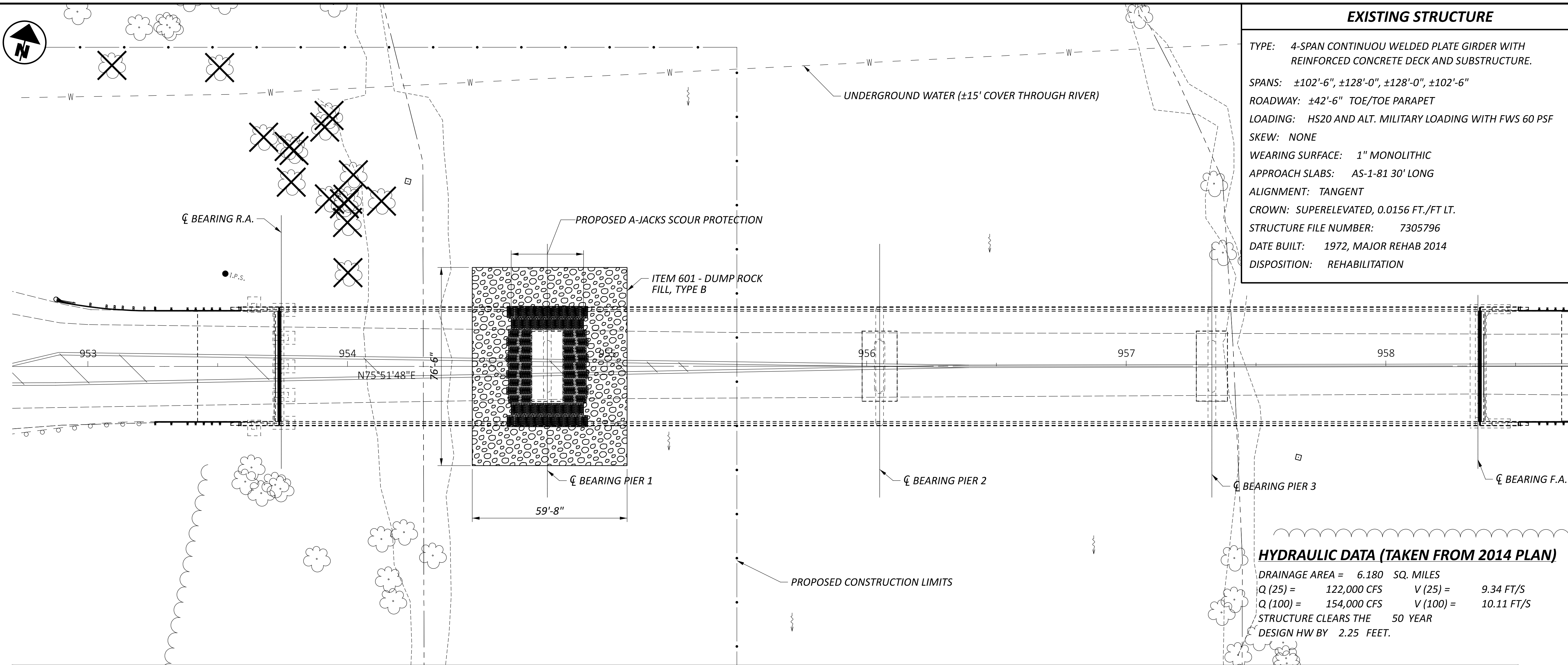
MCM

REVIEWER

JAZ 01-09-25

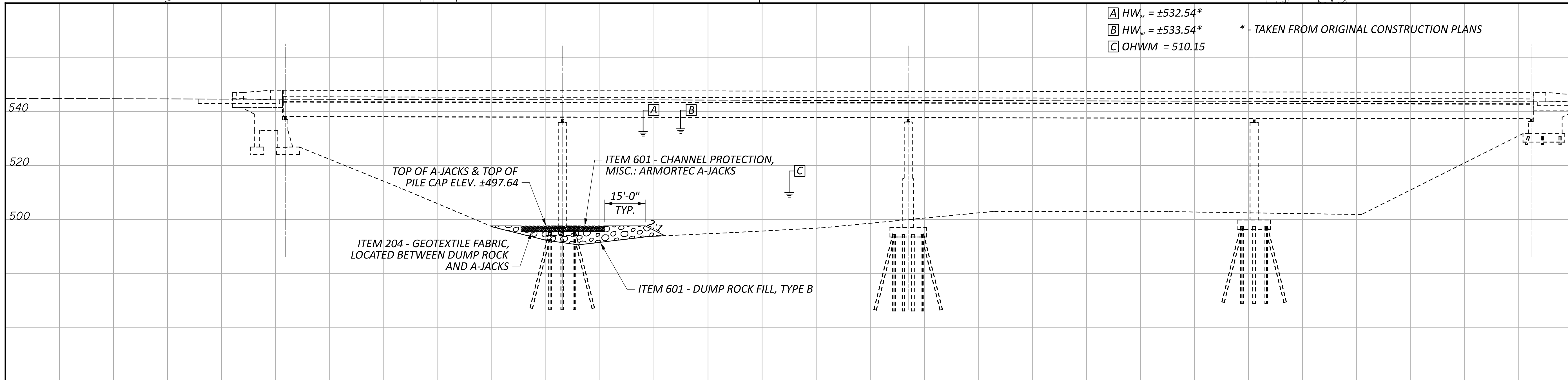
PROJECT ID
119950

SHEET	TOTAL
P.5	1

**HYDRAULIC DATA (TAKEN FROM 2014 PLAN)**

DRAINAGE AREA = 6.180 SQ. MILES
Q (25) = 122,000 CFS V (25) = 9.34 FT/S
Q (100) = 154,000 CFS V (100) = 10.11 FT/S
STRUCTURE CLEARS THE 50 YEAR
DESIGN HW BY 2.25 FEET.

[A] HW₂₅ = ±532.54*
[B] HW₅₀ = ±533.54* * - TAKEN FROM ORIGINAL CONSTRUCTION PLANS
[C] OHWM = 510.15

**EXISTING STRUCTURE**

TYPE: 4-SPAN CONTINUOU WELDED PLATE GIRDER WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE.

SPANS: ±102'-6", ±128'-0", ±128'-0", ±102'-6"

ROADWAY: ±42'-6" TOE/TOE PARAPET

LOADING: HS20 AND ALT. MILITARY LOADING WITH FWS 60 PSF

SKEW: NONE

WEARING SURFACE: 1" MONOLITHIC

APPROACH SLABS: AS-1-81 30' LONG

ALIGNMENT: TANGENT

CROWN: SUPERELEVATED, 0.0156 FT./FT LT.

STRUCTURE FILE NUMBER: 7305796

DATE BUILT: 1972, MAJOR REHAB 2014

DISPOSITION: REHABILITATION

SITE PLAN
BRIDGE NO. SCI-348-1751
OVER THE SCIOTO RIVER

HORIZONTAL
SCALE IN FEET
0 10 20 40

SFN
7305796

DESIGN AGENCY



DESIGNER
MCM

CHECKER
JAZ

REVIEWER
01-09-25

PROJECT ID
119950

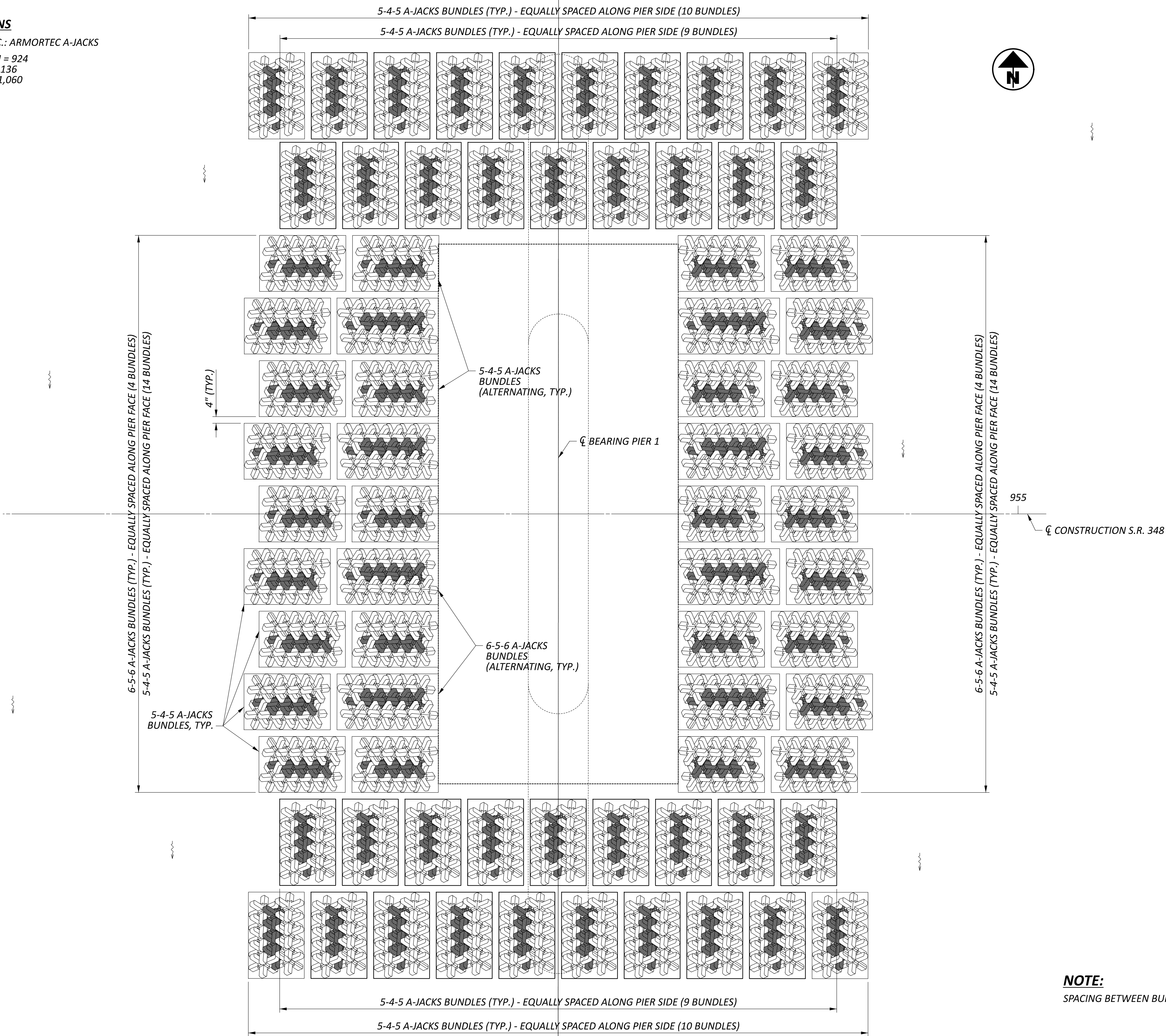
SUBSET
1

TOTAL
8

A-JACKS QUANTITY CALCULATIONS

ITEM 601 - CHANNEL PROTECTION, MISC.: ARMORTEC A-JACKS

66 TOTAL 5-4-5 BUNDLES = 66 X 14 EACH = 924
8 TOTAL 6-5-6 BUNDLES = 8 X 17 EACH = 136
TOTAL = 1,060



NOTE:
SPACING BETWEEN BUNDLES IS 4" ALL AROUND.

PIER 1 DETAILS
BRIDGE NO. SCI-348-1751
OVER THE SCIOTO RIVER

SFN
7305796

DESIGN AGENCY



DESIGNER
JAZ

CHECKER

REVIEWER
MCM 01-13-25

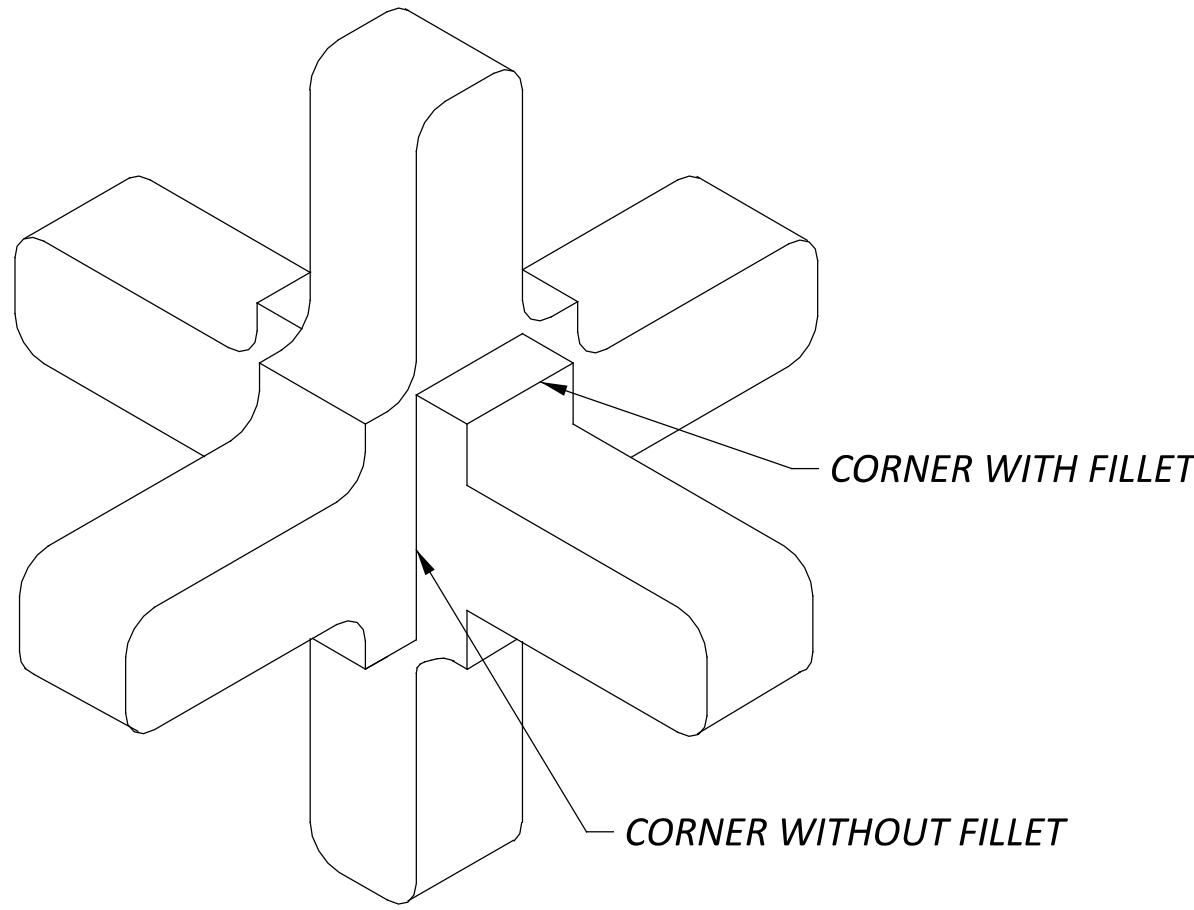
PROJECT ID
119950

SUBSET
2

TOTAL
3

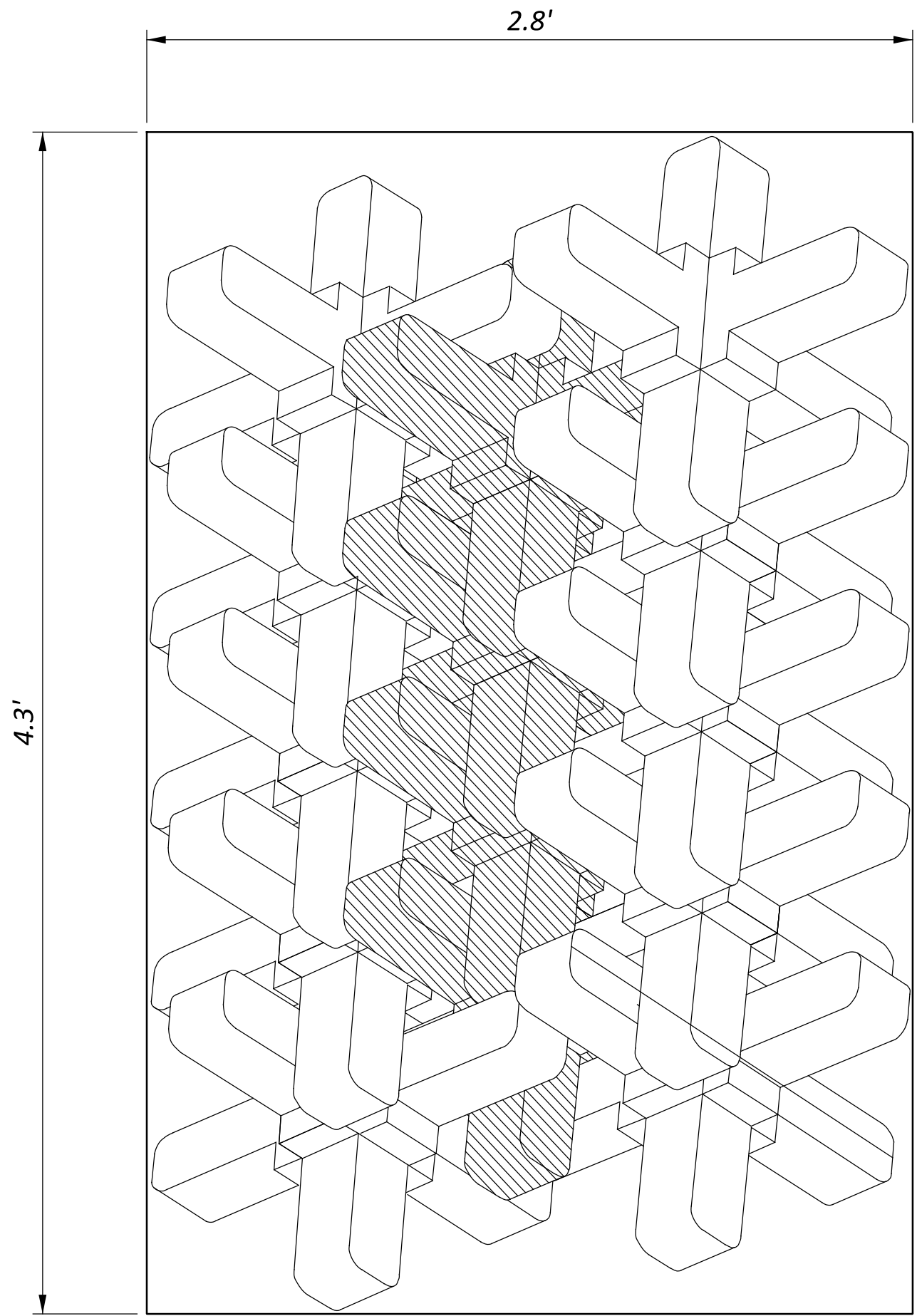
SHEET
P.7

TOTAL
8



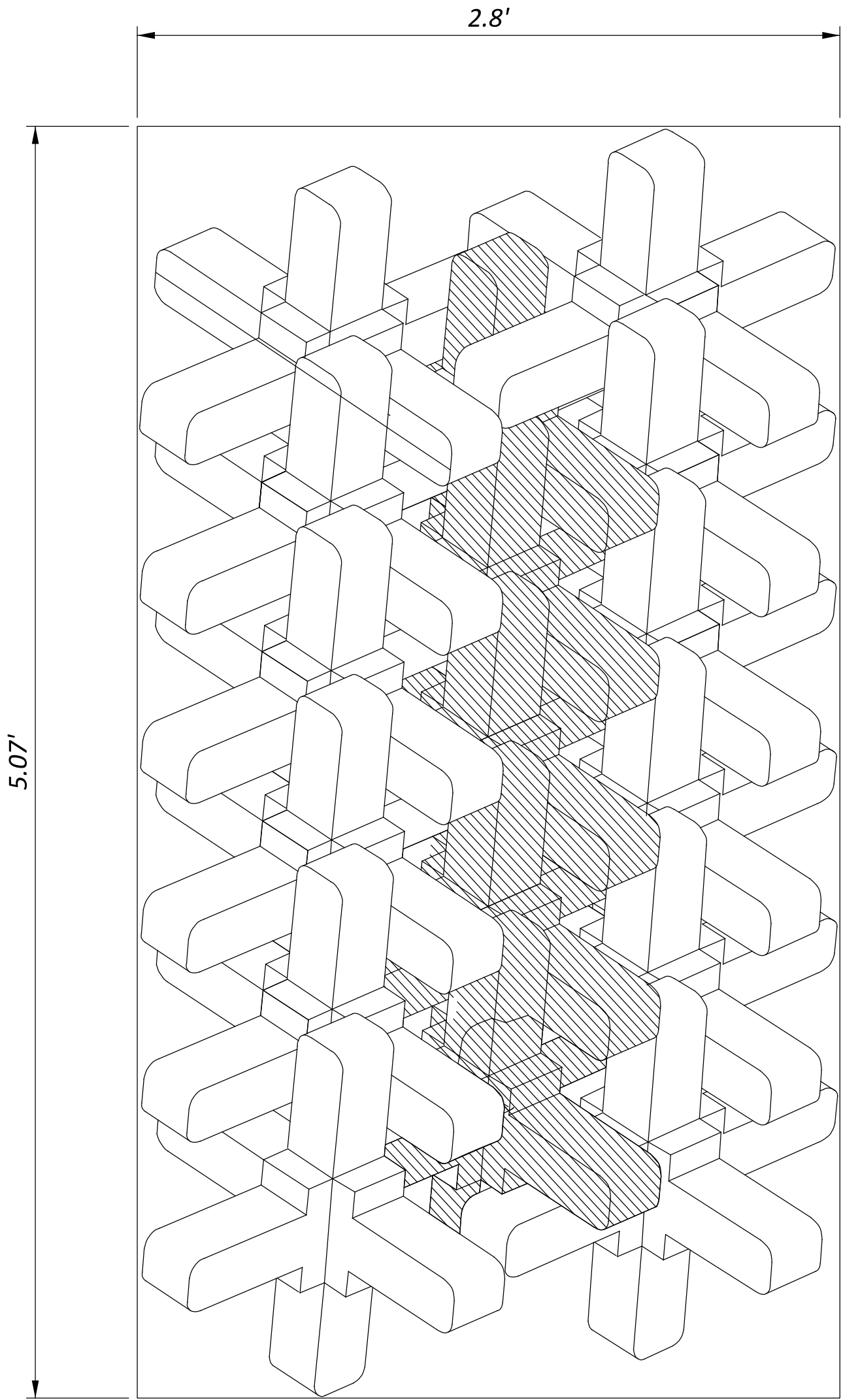
24" A-JACKS UNIT

REFER TO MANUFACTURES SPECIFICATIONS FOR ADDITIONAL DETAILS
(NOT TO SCALE)



5x4x5 BUNDLE LAYOUT PLAN

(NOT TO SCALE)



6x5x6 BUNDLE LAYOUT PLAN

(NOT TO SCALE)

ITEM 601 - CHANNEL PROTECTION MISC.: ARMORTEC A-JACKS DETAILS
BRIDGE NO. SCI-348-1751
OVER THE SCIOTO RIVER

SFN	
7305796	
DESIGN AGENCY	
DESIGNER	CHECKER
JAZ	
REVIEWER	
MCM 01-13-25	
PROJECT ID	
119950	
SUBSET	TOTAL
3	3
SHEET	TOTAL
P.8	8