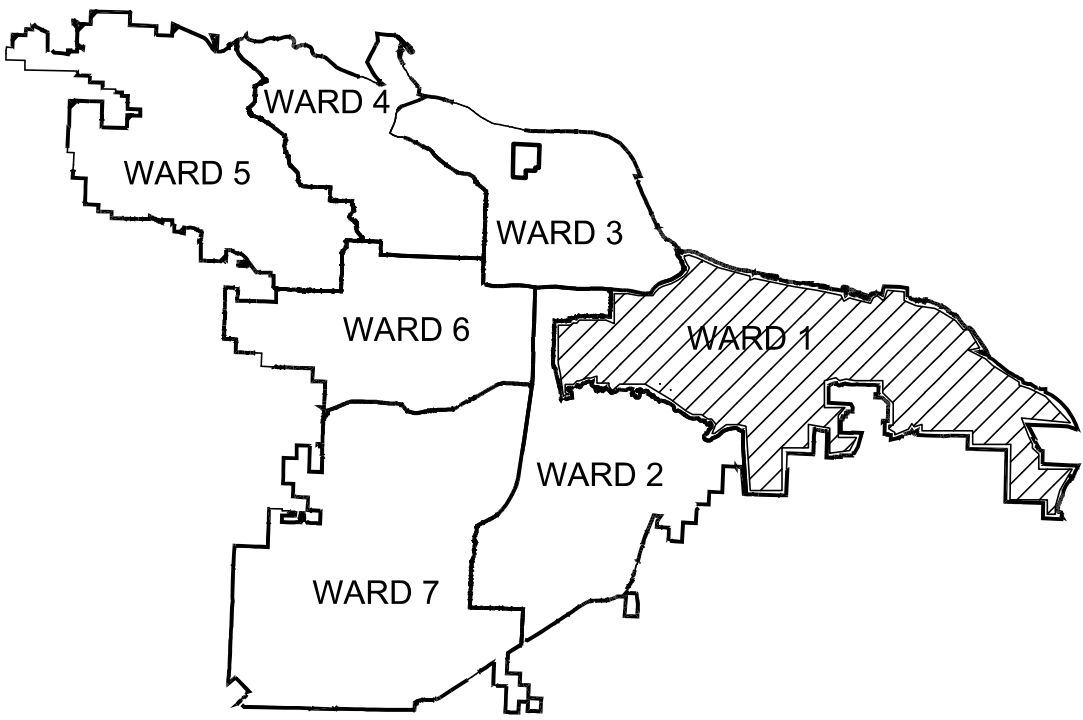
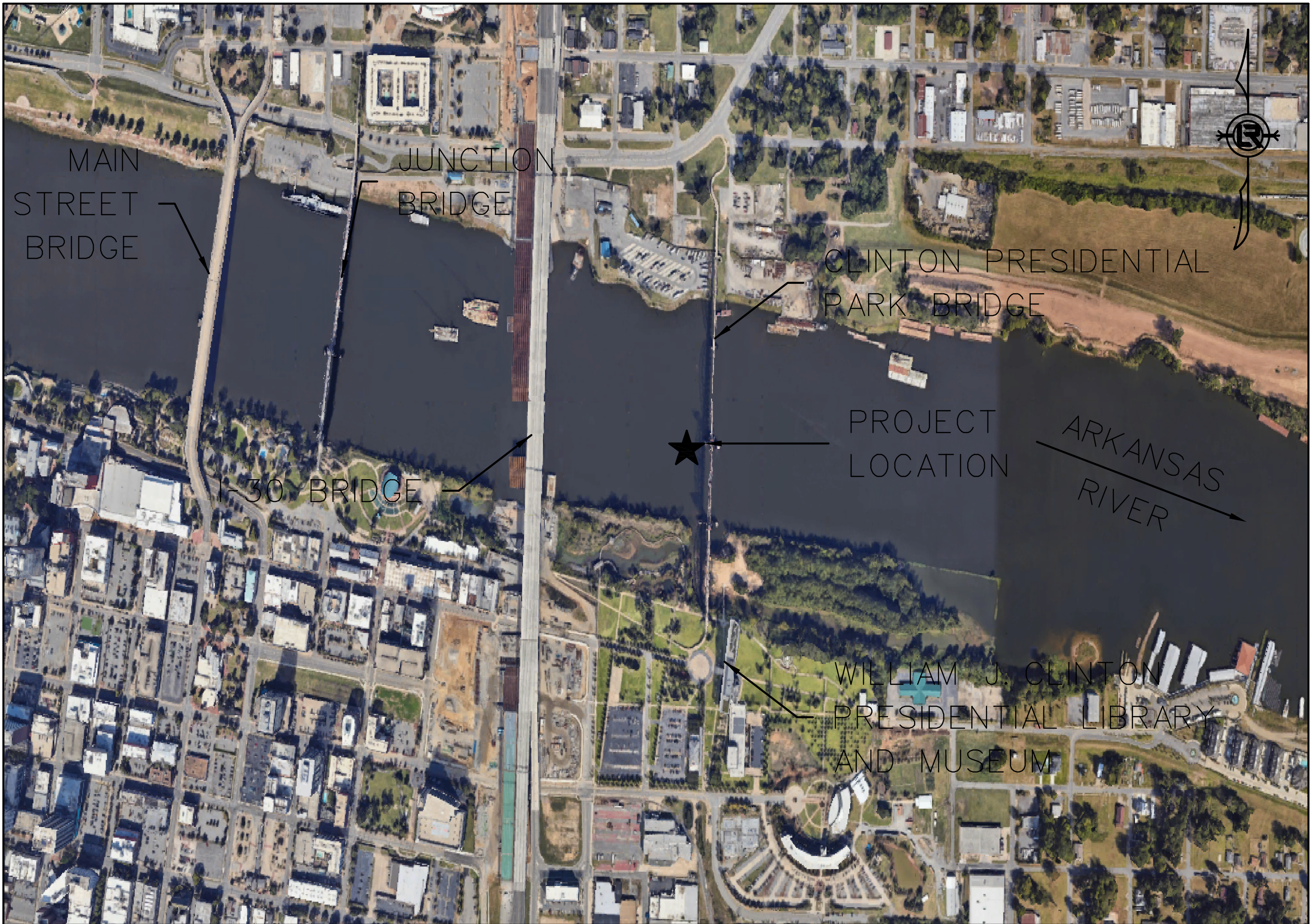


CLINTON PRESIDENTIAL PARK BRIDGE PIER PROTECTION

LITTLE ROCK, AR



PROJECT LOCATION - WARD 1



SHEET INDEX

TITLE SHEET	C1
NOTES & QUANTITIES	C2
SITE PLAN	C3
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DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 WEST MARKHAM STREET
LITTLE ROCK, ARKANSAS 72201



FINAL PLANS

REVISIONS DATE	

CITY OF LITTLE ROCK, ARKANSAS
CLINTON PRESIDENTIAL PARK BRIDGE
PIER PROTECTION

TITLE SHEET

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201



DRAWN BY APM
DESIGNED AT
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DATE 03/02/2026
SCALE N.T.S.
PROJECT NO.
SHEET NO. C1

ESTIMATED QUANTITIES CLINTON PRESIDENTIAL PARK BRIDGE PIER PROTECTION				
* ITEM#	ITEM DESCRIPTION	UNIT	QUANTITY	ALTERNATES
601	MOBILIZATION	LUMP SUM	1	
SP & 202	EXISTING SHEET PILES	EACH	50	
SP & 202	EXISTING CONCRETE CAP	CU. YD.	38	
SP & 202	EXISTING CELL FILL, RIPRAP	CU. YD.	1,305	
SP & 202	EXISTING LADDER	EACH	1	
SP & 202	EXISTING DECORATIVE BRIDGE SPOTLIGHTS**	EACH	4	
SP & 202	EXISTING CELL ACCESS WALKWAY (REMOVE, STORE, & REINSTALL)	EACH	1	
SP & 807	STRUCTURAL STEEL (M270-GR36) (INCLUDING LADDER AND VERTICAL GAUGE SUPPORT CONNECTIONS)	POUND	8,442.56	3,633.79
811	SHEET PILES (PS31, ASTM A572, GRADE 50)	LIN. FT.	5,822	
816	DUMPED RIPRAP, GRANITE MOUNTAIN QUARRY A-STONE - CELL FILL	CU. YD.	3,674.6	
816	GROUTING OF CELL INFILL - 3,000 PSI GROUT OR APPROVED EQUAL	CU. YD.	626.9	
SP	RED NAVIGATION LIGHTS, SOLAR, HIGH VISIBILITY, 180°, MCDERMOTT LIGHT & SIGNAL TOPHATX SERIES	EACH	1	3
SP	24" X 24" RETROREFLECTIVE PANELS, RED	EACH	2	2
SS & 802	REINFORCED CONCRETE, CONCRETE CAP - ARDOT TYPE S CONCRETE (3500 PSI)	CU. YD.	34.85	
SS & 804	REINFORCING STEEL - M31, GRADE 60	POUND	1,836	
SP & 802	SPALL REPAIR, EXISTING BRIDGE PIER SURFACE	SQ. FT.	15.0	
SP	LADDER (EXCLUDING LADDER SUPPORT CONNECTIONS)	LUMP SUM	1	
SP	USCG APPROVED VERTICAL CLEARANCE GAUGES (4 PANEL SEGMENTS @ 4' WIDE X 5' TALL)	EACH	1	1

- * ITEM / SPEC NUMBERS ARE FOR INFORMATION ONLY.
- ** EXISTING DECORATIVE BRIDGE SPOTLIGHTS TO BE PRESERVED FOR RE-INSTALLATION BY OTHERS
- *** QUANTITIES SHOWN ABOVE DO NOT INCLUDE WASTE OR CONTINGENCY FACTORS.

REMOVAL OF EXISTING PIER PROTECTION CELL:

CONTRACTOR WILL BE REQUIRED TO REMOVE ALL COMPONENTS OF EXISTING PIER PROTECTION CELL TO THE SATISFACTION OF THE ENGINEER. REMOVE RIPRAP AS REQUIRED TO NOT INTERFERE WITH DRIVING OF NEW SHEET PILE. ALL REMOVED MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BEYOND THE LIMITS OF THE RIGHT OF WAY. ALL MATERIALS, EQUIPMENT, LABOR, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE "REMOVAL AND DISPOSAL OF PIER PROTECTION (WATERWAY)" PAY ITEM.

SUBMITTAL REQUIREMENTS:

TECHNICAL DATA FOR ALL PRODUCTS AND MATERIALS, OR EQUALS PROPOSED, CALLED OUT IN THESE DRAWINGS SHALL BE SUBMITTED TO THE OWNER FOR REVIEW AND APPROVAL.

FINAL PLANS

REVISIONS DATE	

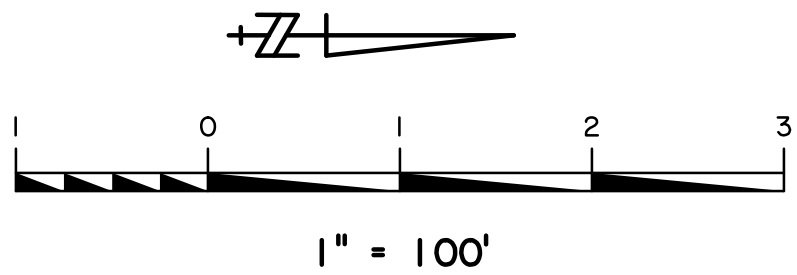
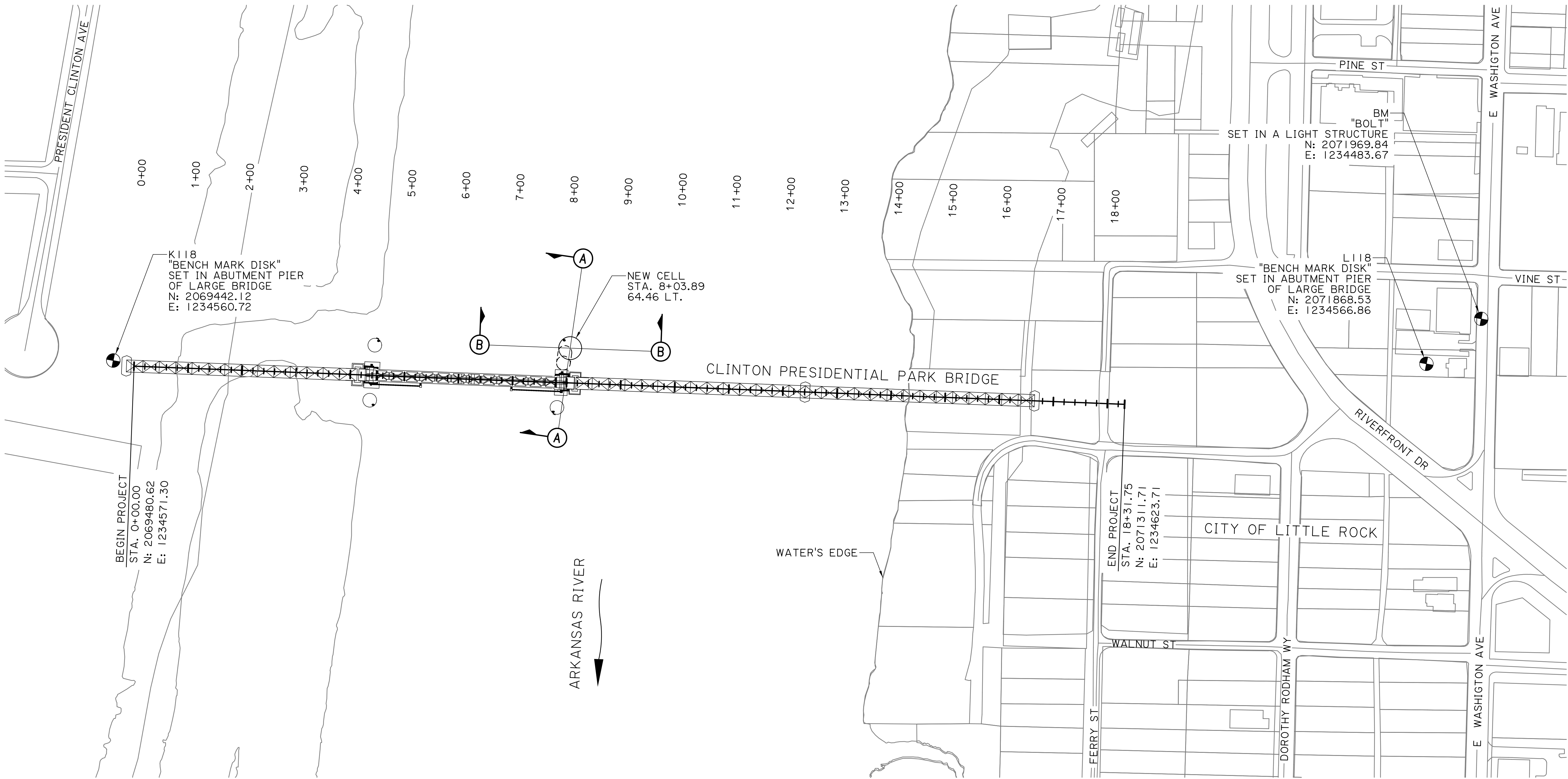
CITY OF LITTLE ROCK, ARKANSAS CLINTON PRESIDENTIAL PARK BRIDGE PIER PROTECTION	NOTES AND QUANTITIES
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DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201





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DATE 03/02/2026
SCALE N.T.S.
PROJECT NO.
SHEET NO. C2



SITE PLAN

NOTE:
ALL COORDINATES ARE ARKANSAS STATE PLANE,
SOUTH ZONE, NAD83 (2011), US SURVEY FEET.

FINAL PLANS

REVISIONS DATE	

CITY OF LITTLE ROCK, ARKANSAS
CLINTON PRESIDENTIAL PARK BRIDGE
PIER PROTECTION

SITE PLAN

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201



STATE OF ARKANSAS

LICENSED PROFESSIONAL ENGINEER

No. 22010
MICHAEL L. PERALT
ESSENTIALLY SIGNED ON MARCH 2, 2026

DRAWN BY
DPB

DESIGNED
MLP

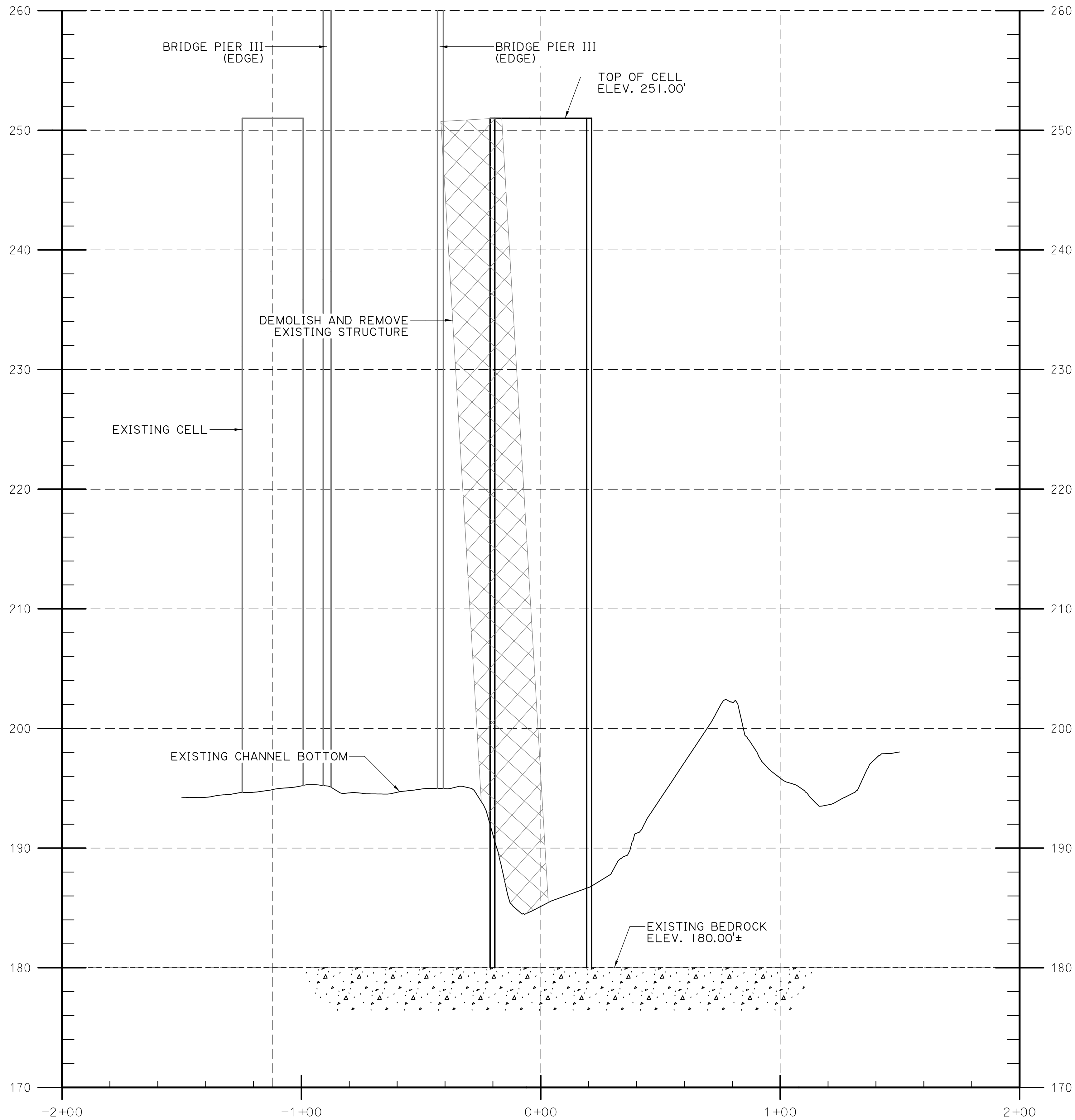
CHECKED
MLP

DATE
03/02/2026

SCALE
1"=100'

PROJECT NO.

SHEET NO.
C3



SECTION A-A

LEGEND:

PIER PROTECTION CELL OUTLINE

EXISTING STRUCTURE TO REMAIN

FINAL PLANS

REVISIONS DATE	

CITY OF LITTLE ROCK, ARKANSAS
CLINTON PRESIDENTIAL PARK BRIDGE
PIER PROTECTION

SECTION A-A

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201



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BBS

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MP

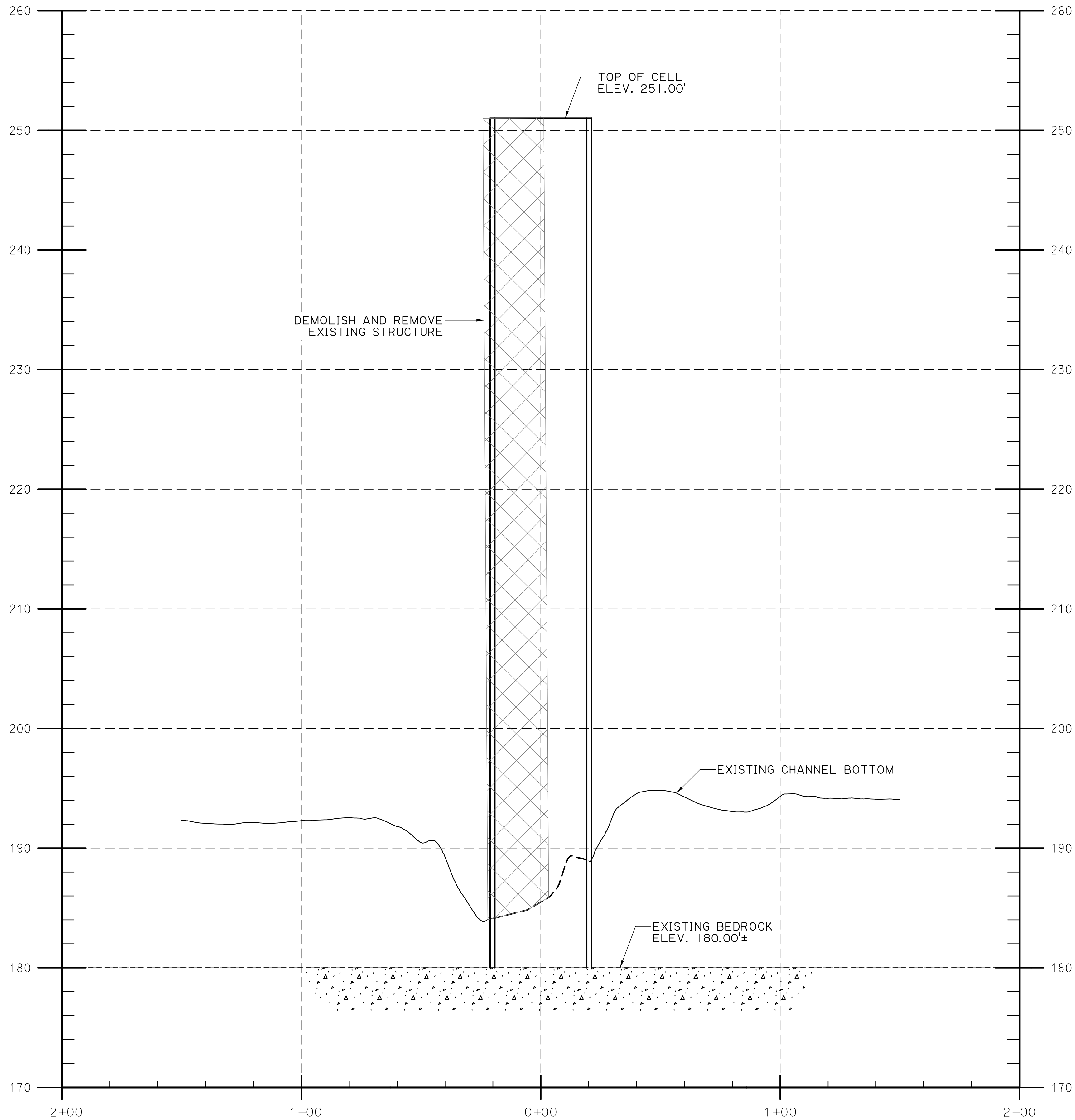
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DATE
03/02/2026

SCALE
1"=100'

PROJECT NO.

SHEET NO.
C4



SECTION B-B

LEGEND:
PIER PROTECTION CELL OUTLINE

FINAL PLANS

REVISIONS DATE	

CITY OF LITTLE ROCK, ARKANSAS
CLINTON PRESIDENTIAL PARK BRIDGE
PIER PROTECTION

SECTION B-B

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201



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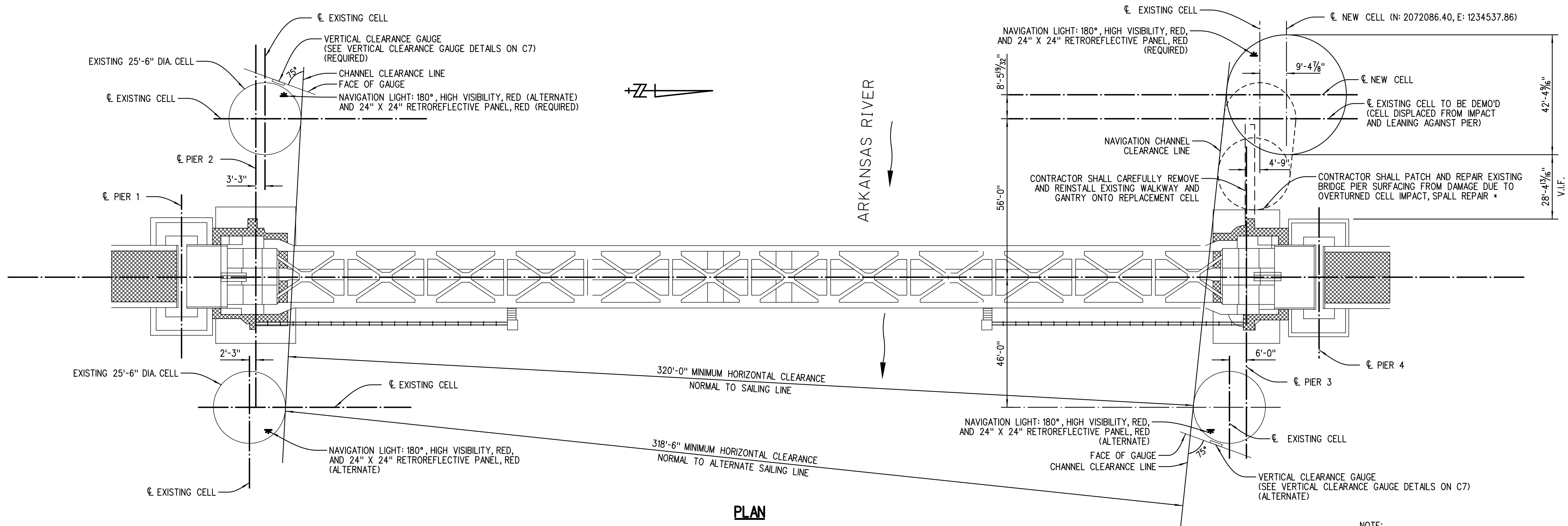
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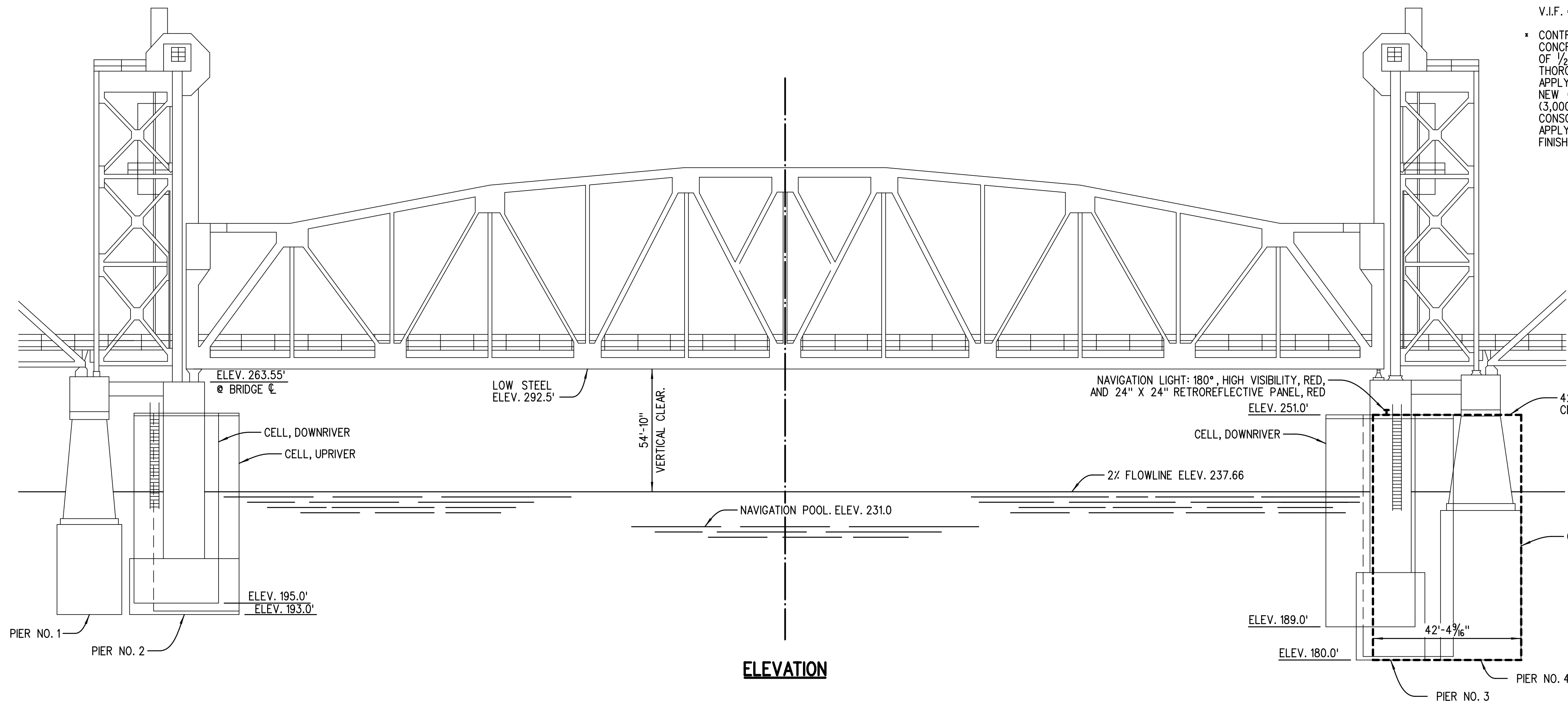
SCALE
1"=100'

PROJECT NO.

SHEET NO.
C5



PLAN



ELEVATION

NOTE:

THE NAVIGATION POOL ELEVATION OF 231.0 SHOWN ON THIS DRAWING IS NORMAL LOW FLOW ELEVATION. ACTUAL ELEVATIONS WILL DEPEND ON RIVER DISCHARGES. INFORMATION ON WATER SURFACE ELEVATIONS FOR VARIOUS DISCHARGES IS AVAILABLE AT THE OFFICE OF THE LITTLE ROCK DISTRICT, CORPS OF ENGINEERS, FEDERAL BUILDING, LITTLE ROCK, ARKANSAS.

V.I.F. = VERIFY IN FIELD

CONTRACTOR SHALL REMOVE ALL LOOSE, UNSOUND, OR DELAMINATED CONCRETE. SAW-CUT THE PERIMETER OF THE PATCH TO A MINIMUM DEPTH OF 1/2 INCH TO CREATE A VERTICAL EDGE, AVOIDING FEATHERED EDGES. THOROUGHLY CLEAN THE PREPARED CAVITY, REMOVING DEBRIS AND DUST. APPLY BONDING AGENT, ENSURING IT DOES NOT DRY BEFORE PLACING THE NEW CONCRETE. USE LOW-SHRINKAGE, HIGH-EARLY-STRENGTH PATCH MATERIAL (3,000 PSI IN 3 DAYS), OR APPROVED EQUAL ALTERNATE. PLACE MATERIAL, CONSOLIDATE, AND FINISH TO MATCH THE ADJACENT SURFACE'S TEXTURE. APPLY A LIQUID MEMBRANE-FORMING CURING COMPOUND IMMEDIATELY AFTER FINISHING.

FINAL PLANS

REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS
CLINTON PRESIDENTIAL PARK BRIDGE
PIER PROTECTION

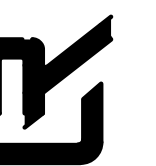
PLAN AND PROFILE

DEPARTMENT OF PUBLIC WORKS

CIVIL ENGINEERING

701 W. MARKHAM

LITTLE ROCK, ARKANSAS 72201



DRAWN BY
APM

DESIGNED
AT

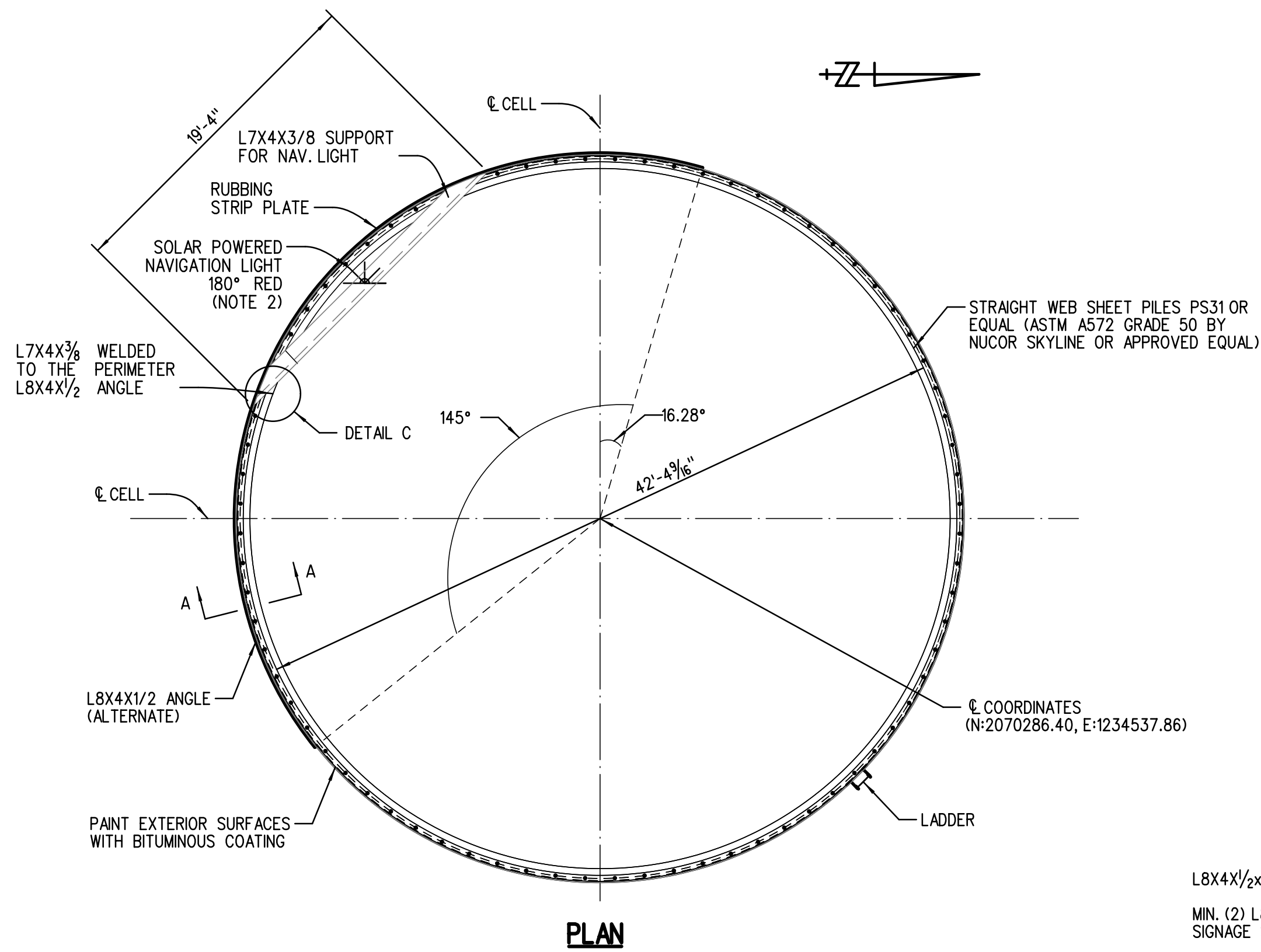
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DATE
03/02/2026

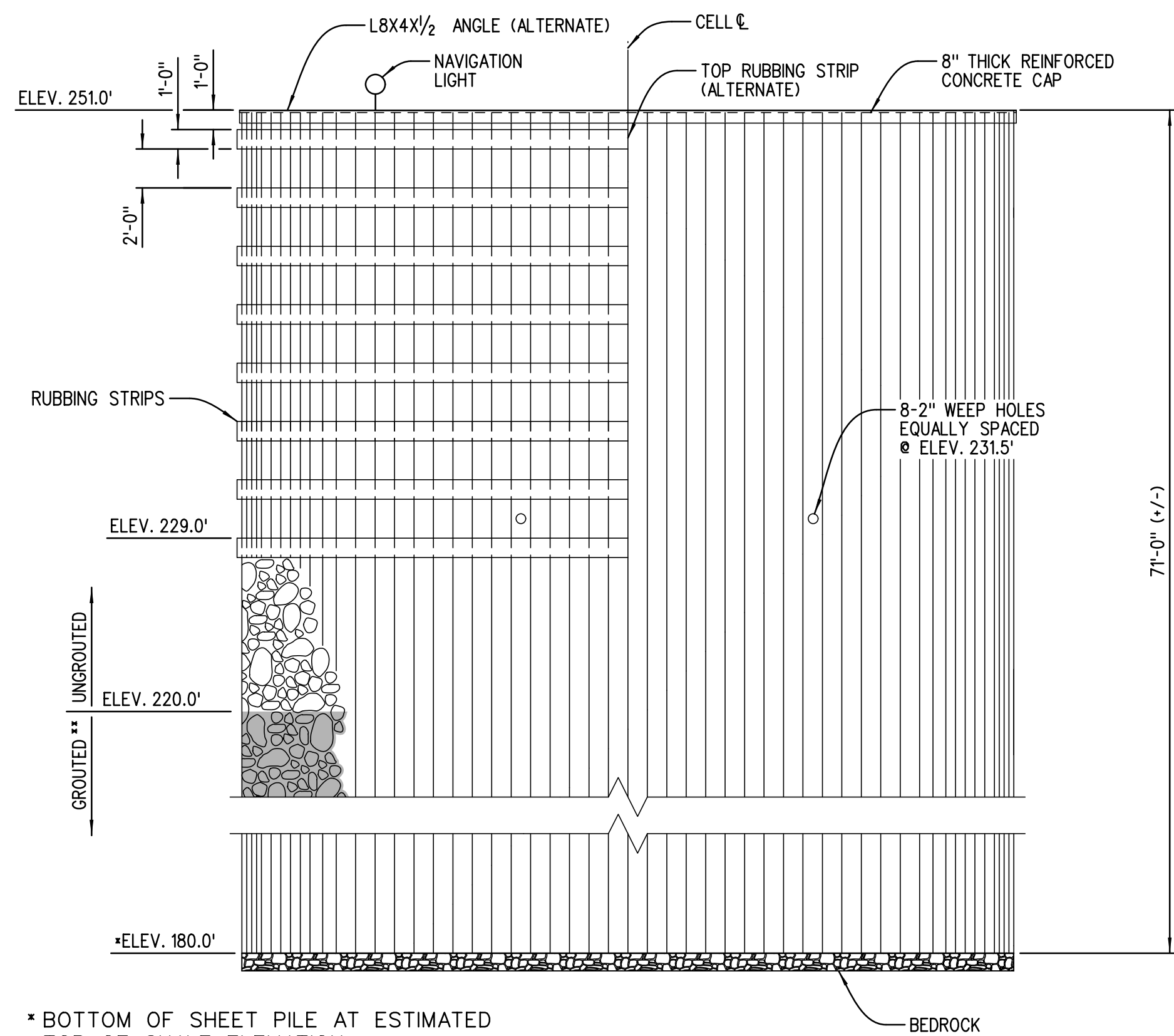
SCALE
N.T.S.

PROJECT NO.

SHEET NO.
C6



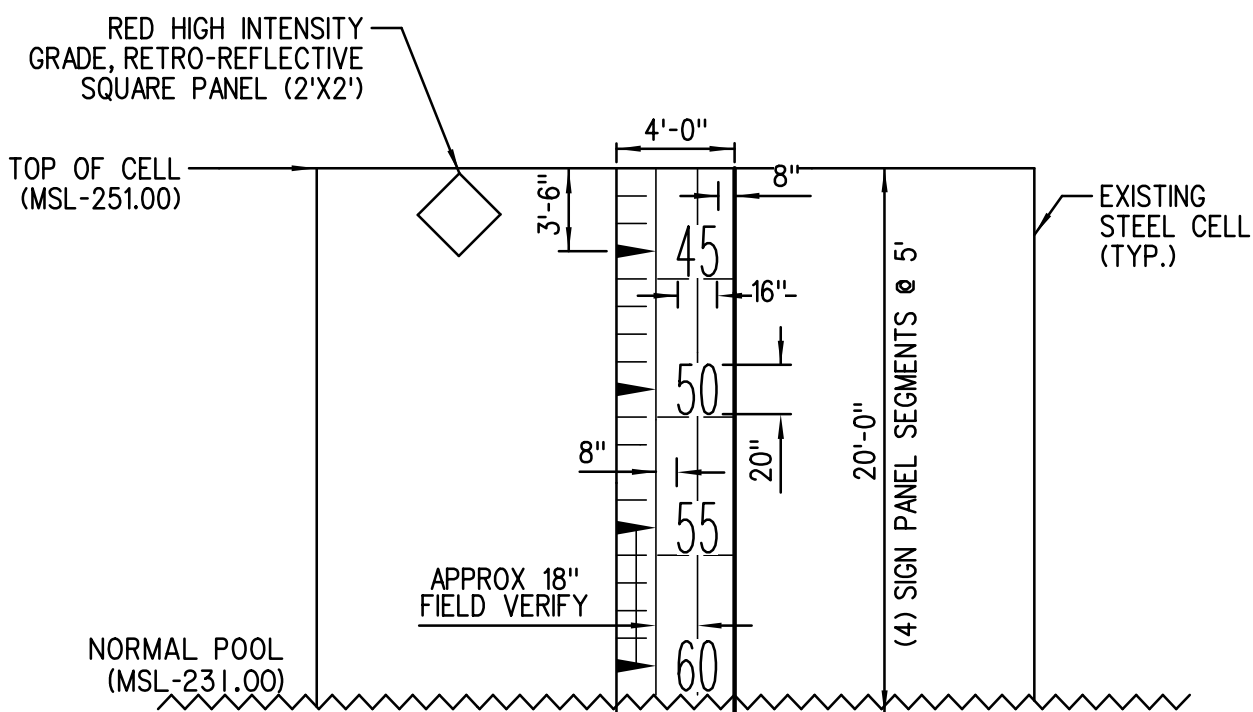
PLAN



ELEVATION

PIER PROTECTION CELL

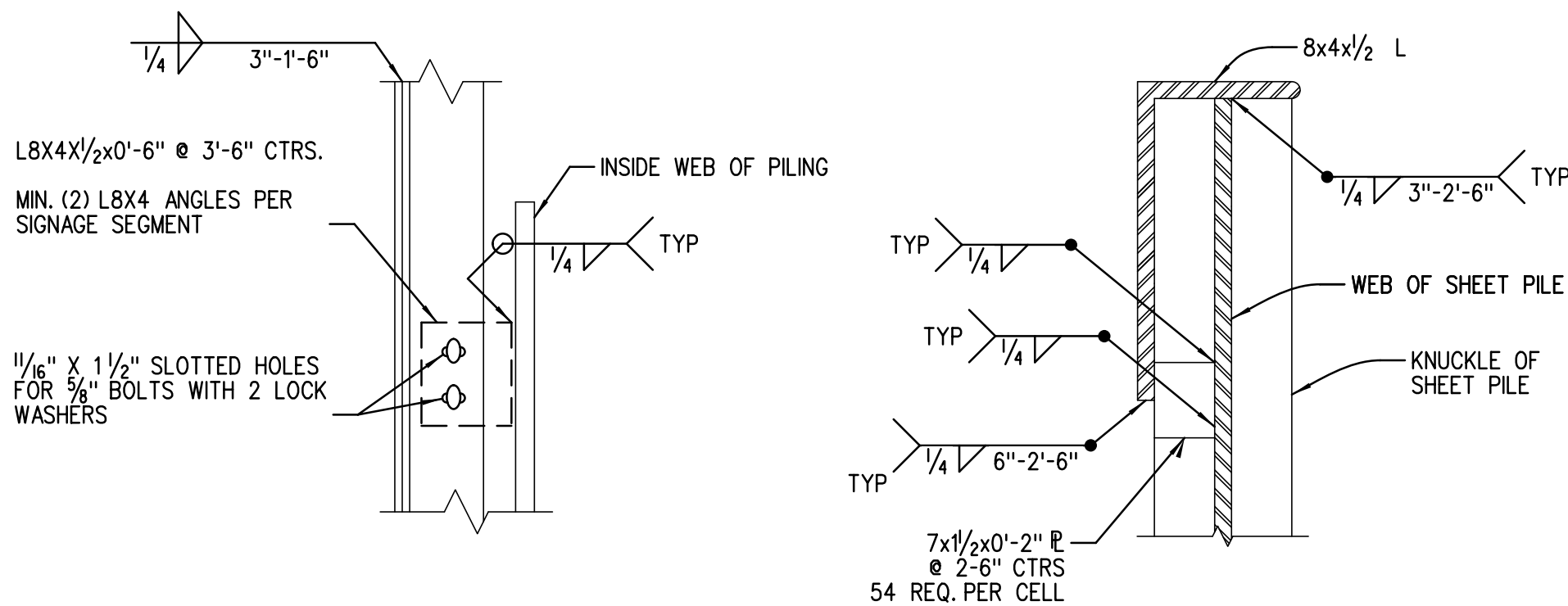
N.T.S.



- NUMERALS SHALL BE "SERIES E"
- VERTICAL CLEARANCE GAUGE SIGNS SHALL BE PRE-FABRICATED, SEGMENTED ALUMINUM PANELS WITH PERMANENT ADHESIVE RETROREFLECTIVE FILM
- REFER TO DETAIL A & B FOR VERTICAL CLEARANCE GAUGE SUPPORT CONNECTIONS
- VERTICAL CLEARANCE GAUGES SHALL MEET ALL REQUIREMENTS IN ACCORDANCE WITH 33 CFR CHAPTER 1, SUBCHAPTER J, PART 118, SECTION 160

PROTECTION CELL - VERTICAL CLEARANCE GAUGE DETAIL

N.T.S.



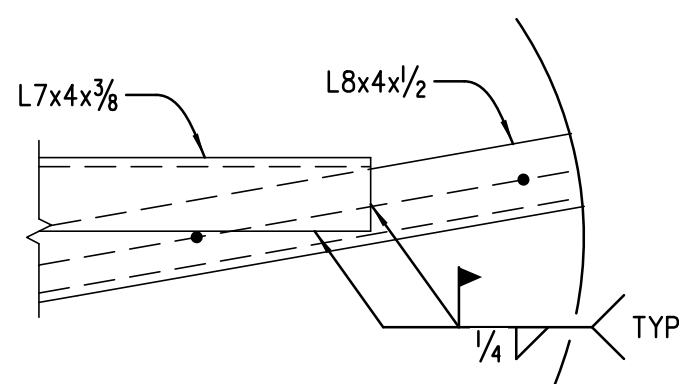
DETAIL A

N.T.S.

SECTION A-A

ANGLE CONNECTION DETAIL

N.T.S.



DETAIL C

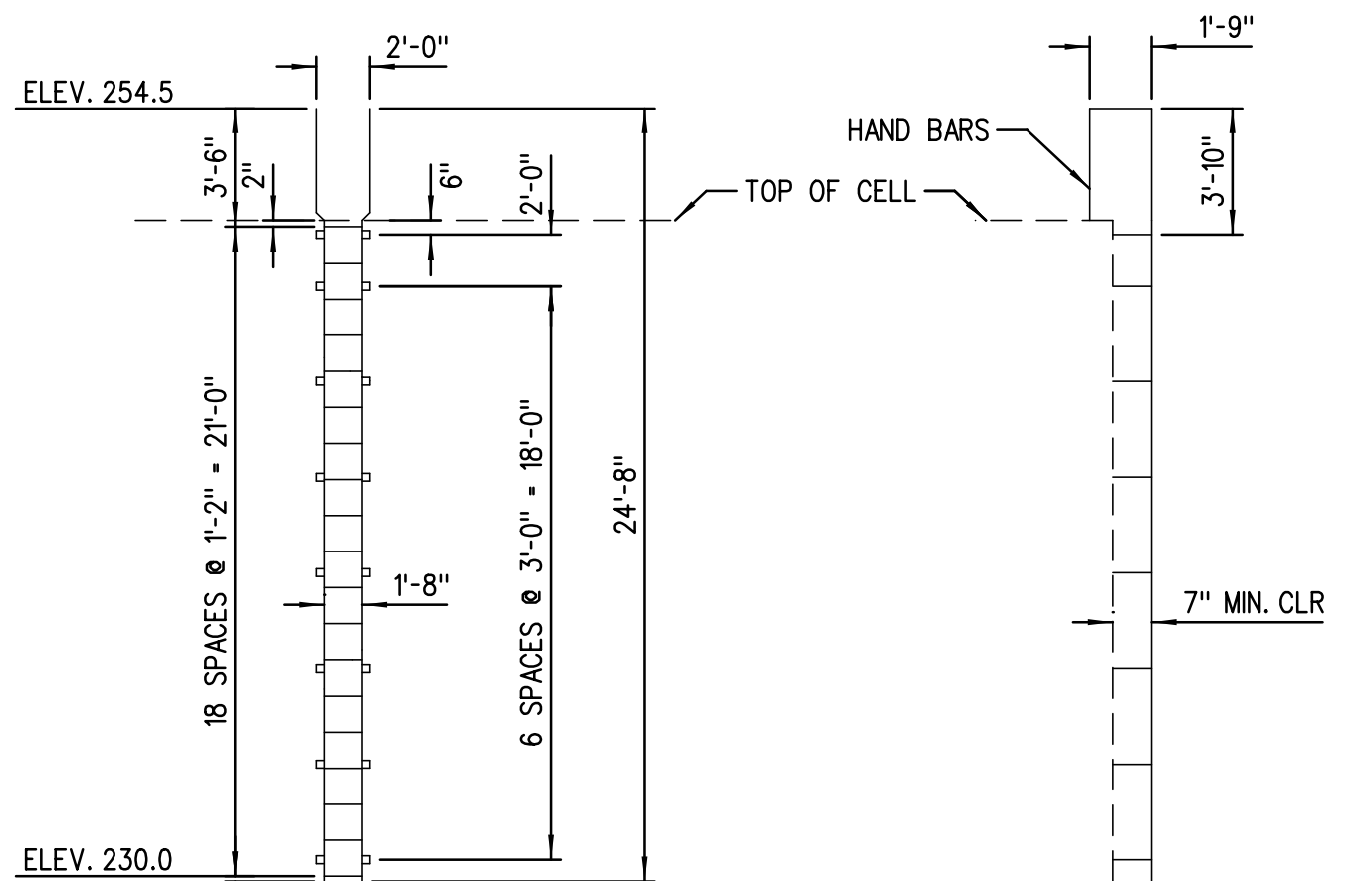
N.T.S.

NOTE:

- DRAWINGS SHOW GENERAL FEATURES OF DESIGN ONLY. SHOP DRAWINGS AND SUBMITTALS SHOWING DETAILS SHALL BE PREPARED IN ACCORDANCE WITH THESE DRAWINGS AND THE CITY OF LITTLE ROCK STANDARD SPECIFICATIONS, SUBMITTED FOR REVIEW AND APPROVAL OF THE OWNER BEFORE FABRICATION BEGINS.
- EACH RED LIGHT SHALL SHOW THROUGH A HORIZONTAL ARC OF 180° AND SHALL BE SECURELY MOUNTED TO THE TOP OF THE CELL ON THE CHANNELWARD QUADRANT OF THE CELL TO SHOW 90° ON EITHER SIDE OF THE LINE PARALLEL TO THE AXIS OF THE CHANNEL SO AS TO BE VISIBLE FROM AN APPROACHING VESSEL.
- CONTRACTOR SHALL TOUCH UP ALL COATINGS AS REQUIRED AFTER COMPLETION OF FIELD WELDING AND INSTALLATION OF MISCELLANEOUS STEEL COMPONENTS.

SUGGESTED SEQUENCE OF WORK - NEW PIER PROTECTION CELL

- REMOVE EXISTING PIER PROTECTION CELL.
- INSTALL SHEET PILES INTO FINAL CONFIGURATION.
- PARTIALLY FILL CELL IN LIFTS WITH CLASS A GMQ STONE.
- GROUT EACH LIFT AFTER DUMPING OF CLASS A STONE WITH CEMENT GROUT.
- INSTALL STEEL ANGLES, RUBBING STRIPS, AND SUPPORT CONNECTIONS.
- COMPLETELY FILL PROTECTION CELL WITH DUMPED RIPRAP.
- PLACE SOLAR POWERED NAVIGATION LIGHT ON SUPPORT ANGLE.
- INSTALL GANGWAY WALKWAY FROM BRIDGE PIER TO PROTECTION CELL.

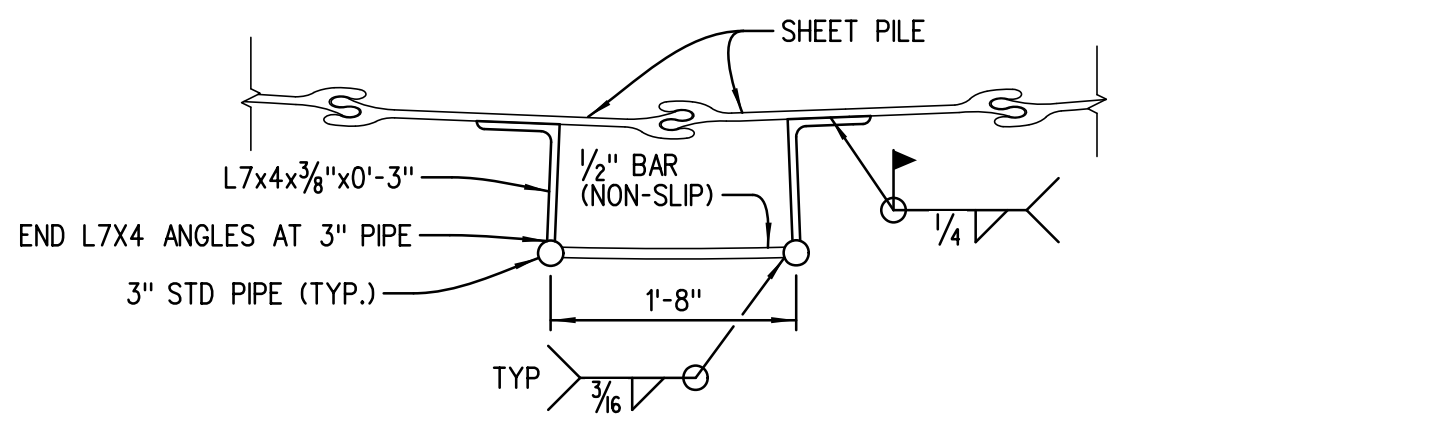


LADDER ELEVATION

N.T.S.

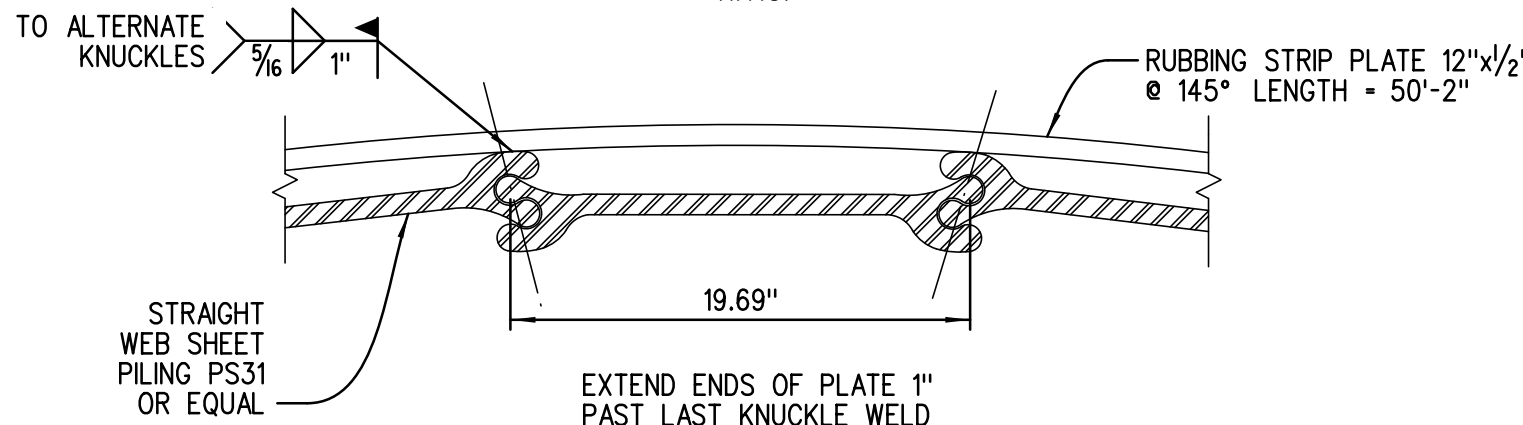
LADDER TYPICAL SECTION

N.T.S.



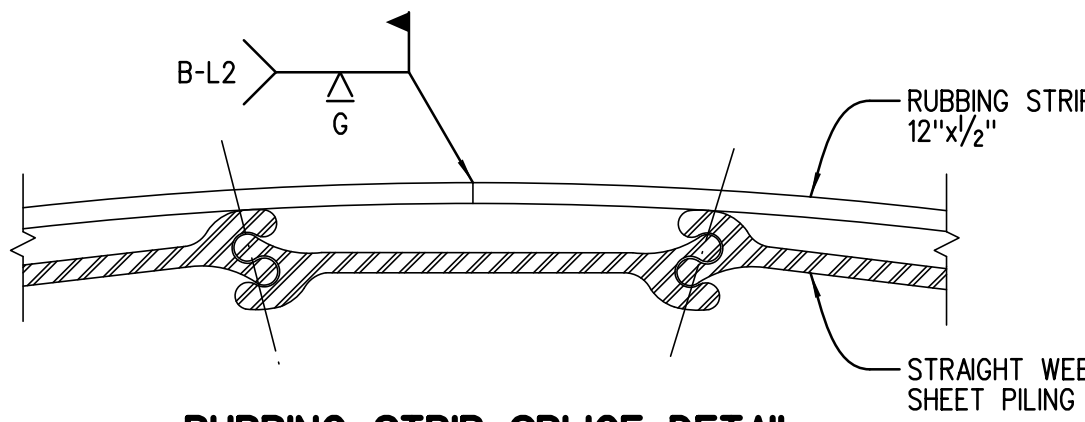
LADDER PLAN

N.T.S.



RUBBING STRIP CONNECTION DETAIL

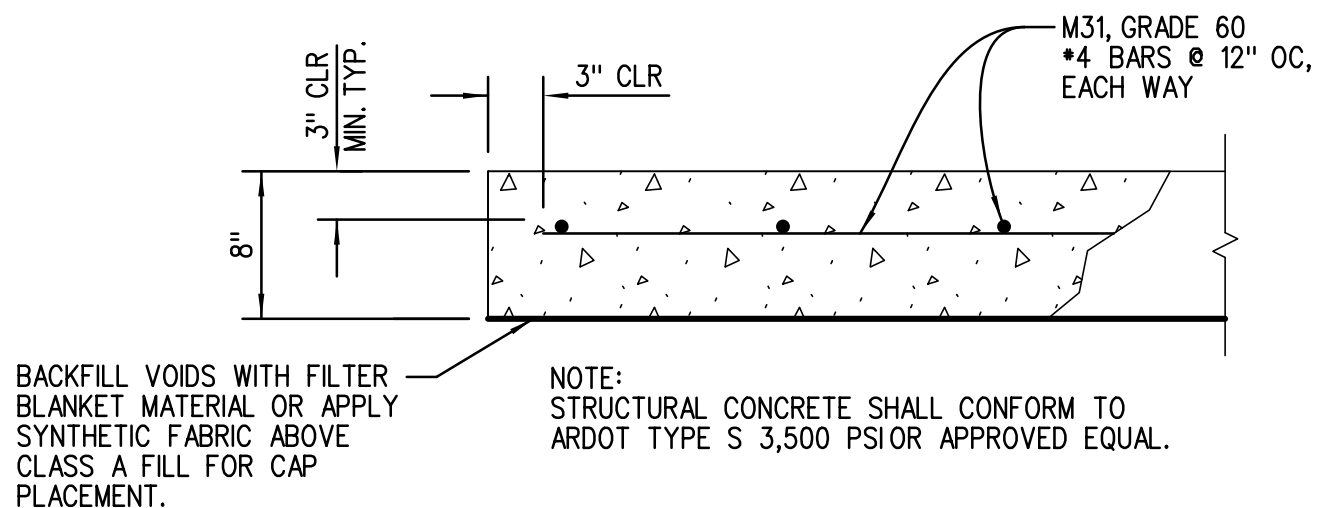
N.T.S.



RUBBING STRIP SPLICE DETAIL

N.T.S.

NOTE: SPLICE IN CENTER OF 2 90° PLATES. ADDITIONAL SPLICES SUBJECT TO APPROVAL OF ENGINEER.



CONCRETE CAP REINFORCING DETAIL

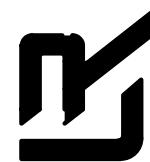
N.T.S.

REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS
CLINTON PRESIDENTIAL PARK BRIDGE
PIER PROTECTION

CELL PLAN & DETAILS

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201



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03/02/2026

SCALE
N.T.S.

PROJECT NO.

SHEET NO.
C7

FINAL PLANS

LOG OF BORING HN-1			
PROJECT: Arkansas River Bridge, Little Rock, Arkansas Chicago, Rock Island & Pacific R. & Co.		BORING NO. HN-1	SHEET 1 OF 2
DATE OF BORING STARTED 5-28-67 COMPLETED 5-28-67	GROUND WATER STATION: 15.5' B. & Pier #1 20' W. & Bridge	LOCATION OFFSHORE	
BORING TYPE			
SAMPLER TYPE AND DATA			
SOIL DESCRIPTION AND REMARKS			
ELEV.			
CLASSIFICATION SYSTEM - Unified			
Remarks: Completed @ 39.0'			

LOG BORING HN-2			
PROJECT: Arkansas River Bridge, Little Rock, Arkansas Chicago, Rock Island & Pacific R. & Co.		BORING NO. HN-2	SHEET 1 OF 2
DATE OF BORING STARTED 5-28-67 COMPLETED 5-28-67	GROUND WATER STATION: 46.0' B. & Pier #1 20' W. & Bridge	LOCATION OFFSHORE	
BORING TYPE			
SAMPLER TYPE AND DATA			
SOIL DESCRIPTION AND REMARKS			
ELEV.			
CLASSIFICATION SYSTEM - Unified			
Remarks: Completed @ 39.0'			

LOG OF BORING HN-3			
PROJECT: Arkansas River Bridge, Little Rock, Arkansas Chicago, Rock Island & Pacific R. & Co.		BORING NO. HN-3	SHEET 1 OF 2
DATE OF BORING STARTED 5-28-67 COMPLETED 5-28-67	GROUND WATER STATION: 33.0' B. & Pier #1 20' W. & Bridge	LOCATION OFFSHORE	
BORING TYPE			
SAMPLER TYPE AND DATA			
SOIL DESCRIPTION AND REMARKS			
ELEV.			
CLASSIFICATION SYSTEM - Unified			
Remarks: Completed @ 39.0'			

LOG OF BORING HN-4			
PROJECT: Arkansas River Bridge, Little Rock, Arkansas Chicago, Rock Island & Pacific R. & Co.		BORING NO. HN-4	SHEET 1 OF 2
DATE OF BORING STARTED 5-28-67 COMPLETED 5-28-67	GROUND WATER STATION: 33.0' B. & Pier #1 20' W. & Bridge	LOCATION OFFSHORE	
BORING TYPE			
SAMPLER TYPE AND DATA			
SOIL DESCRIPTION AND REMARKS			
ELEV.			
CLASSIFICATION SYSTEM - Unified			
Remarks: Completed @ 39.0'			

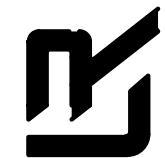
LOG OF BORING HN-5			
PROJECT: Arkansas River Bridge, Little Rock, Arkansas Chicago, Rock Island & Pacific R. & Co.		BORING NO. HN-5	SHEET 1 OF 2
DATE OF BORING STARTED 5-28-67 COMPLETED 5-28-67	GROUND WATER STATION: 15.5' B. & Pier #1 20' W. & Bridge	LOCATION OFFSHORE	
BORING TYPE			
SAMPLER TYPE AND DATA			
SOIL DESCRIPTION AND REMARKS			
ELEV.			
CLASSIFICATION SYSTEM - Unified			
Remarks: Completed @ 39.0'			

LOG OF BORING HN-6			
PROJECT: Arkansas River Bridge, Little Rock, Arkansas Chicago, Rock Island & Pacific R. & Co.		BORING NO. HN-6	SHEET 1 OF 2
DATE OF BORING STARTED 5-28-67 COMPLETED 5-28-67	GROUND WATER STATION: 23.0' B. & Pier #1 20' W. & Bridge	LOCATION OFFSHORE	
BORING TYPE			
SAMPLER TYPE AND DATA			
SOIL DESCRIPTION AND REMARKS			
ELEV.			
CLASSIFICATION SYSTEM - Unified			
Remarks: Completed @ 39.0'			

CITY OF LITTLE ROCK, ARKANSAS
CLINTON PRESIDENTIAL PARK BRIDGE
PIER PROTECTION

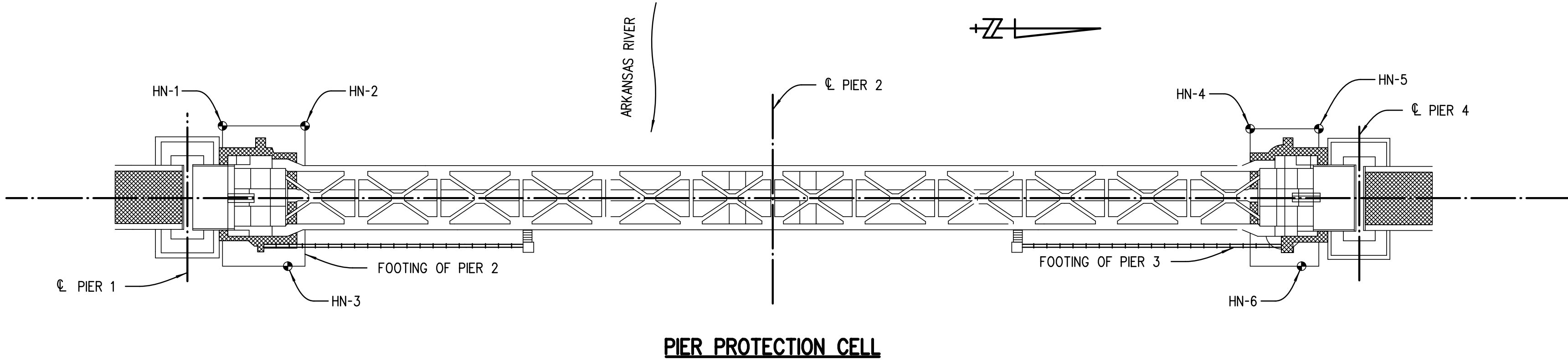
HISTORICAL SOIL BORINGS

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201



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PROJECT NO.

SHEET NO.
C8



NOTES:

BORINGS HN-1 THRU HN-6 WERE DRILLED BETWEEN MAY 28 AND JUNE 4, 1967.

BORINGS HN-1 AND HN-5 WERE WASH BORINGS TO AND INTO TOP OF ROCK AND 1 5/8" CORE OBTAINED IN ROCK.

BORINGS HN-2, HN-3, HN-4, AND HN-6 CONSISTED OF PENETRATION TESTS AND SAMPLING IN ACCORDANCE WITH A.S.T.M. D-1568 AT APPROXIMATELY 10 FOOT INTERVALS TO TOP OF ROCK AND THEN A 1 5/8" CORE OBTAINED IN ROCK.

STD PENETRATION RESISTANCE-INDICATES THE NUMBER OF BLOWS OF A 140 POUND HAMMER FALLING 30 INCHES REQUIRED TO DRIVE A 2 INCH O.D. SPLIT BARREL SAMPLER 12 INCHES.

PENETRATION RESISTANCE (N-VALUE) IS THE SUM OF THE BLOWS FOR FIRST AND SECOND 6" INCREMENTS SHOWN.

FINAL PLANS - FOR INFORMATION ONLY