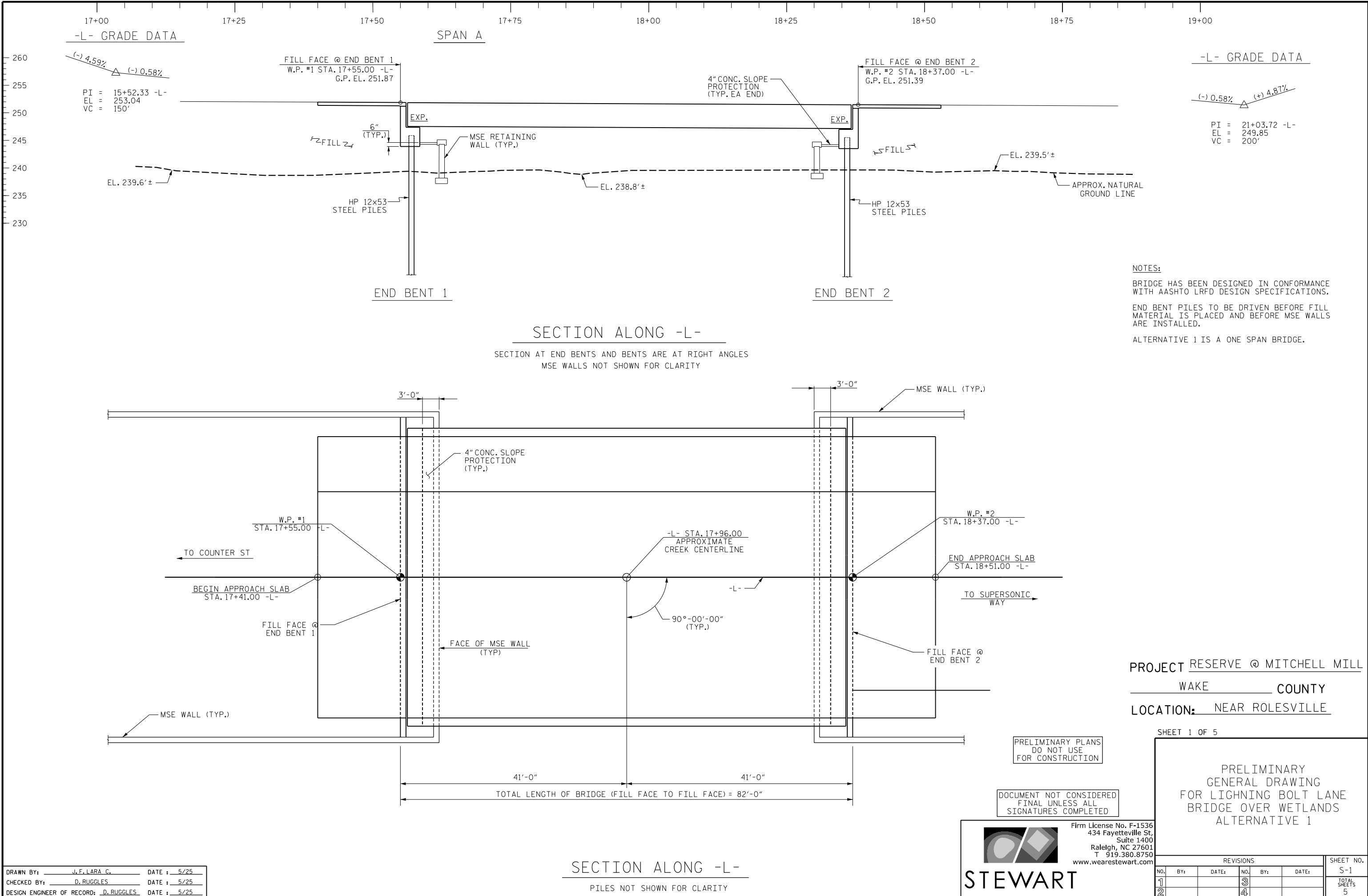


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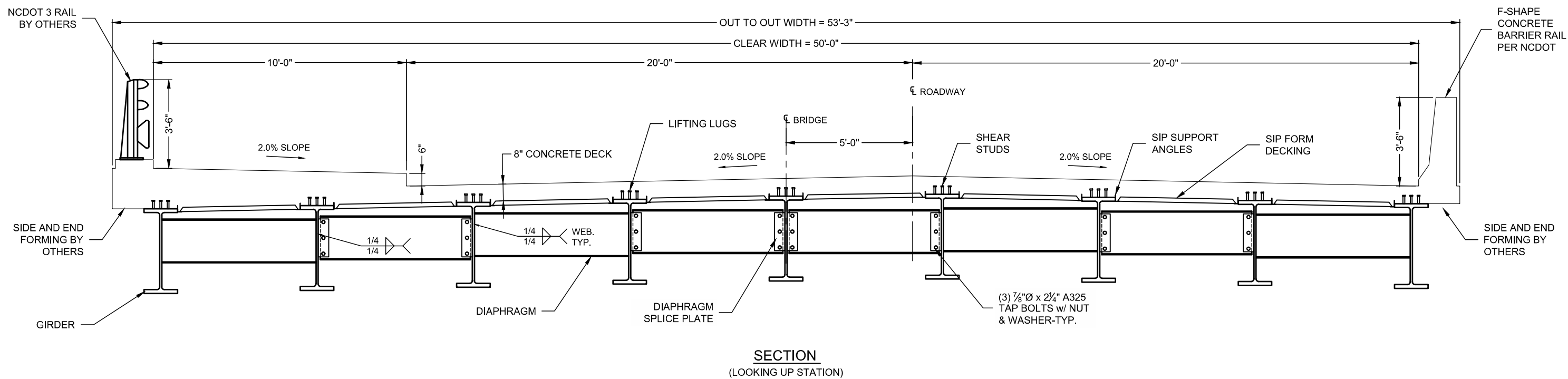
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\$\$\$\$USERNAME\$\$\$\$

DRAWN BY: J. F. LARA, C. DATE: 5/25
CHECKED BY: D. RUGGLES DATE: 5/25
DESIGN ENGINEER OF RECORD: D. RUGGLES DATE: 5/25



I:\MERLIN\PROJECTS\16302006\30254\830254-10-BIG R ROLLED GIRDER\DRAWINGS\PROPOSAL\830254-010 PRELIMINARY SKETCH.DWG 5/29/2025 1:00 PM



PRELIMINARY
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800-328-2047 320-345-9126 320-566-3148 FAX



CONTECH
CONTRACT
DRAWING

80'-0" x 50'-0"
MITCHEL MILL BRIDGE
ROLLED GIRDER - SITE-SPECIFIC MODULAR
ROLESVILLE, NC

PROJECT No.: 830254	SEQ. No.: 010	DATE: 5/29/2025
DESIGNED: DBA	DRAWN: DBA	
CHECKED: XXX	APPROVED: XXX	
SHEET NO.: 5 OF 6		

THE TOP SURFACE OF THE CAP EXCEPT THE BRIDGE SEAT
BUILDPUPS SHALL BE SLOPED TRANSVERSELY FROM THE FILL
FACE TO THE BACK FACE AT THE RATE OF 2%.

[illegible]PROJECT RESERVE @ MITCHELL MILL

LOCATION: NEAR ROLESVILLE

PRELIMINARY PLANS
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DOCUMENT NOT CONSIDERED
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SIGNATURES COMPLETED

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REVISIONS						SHEET NO. S-4
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 5
2			4			

STEWART

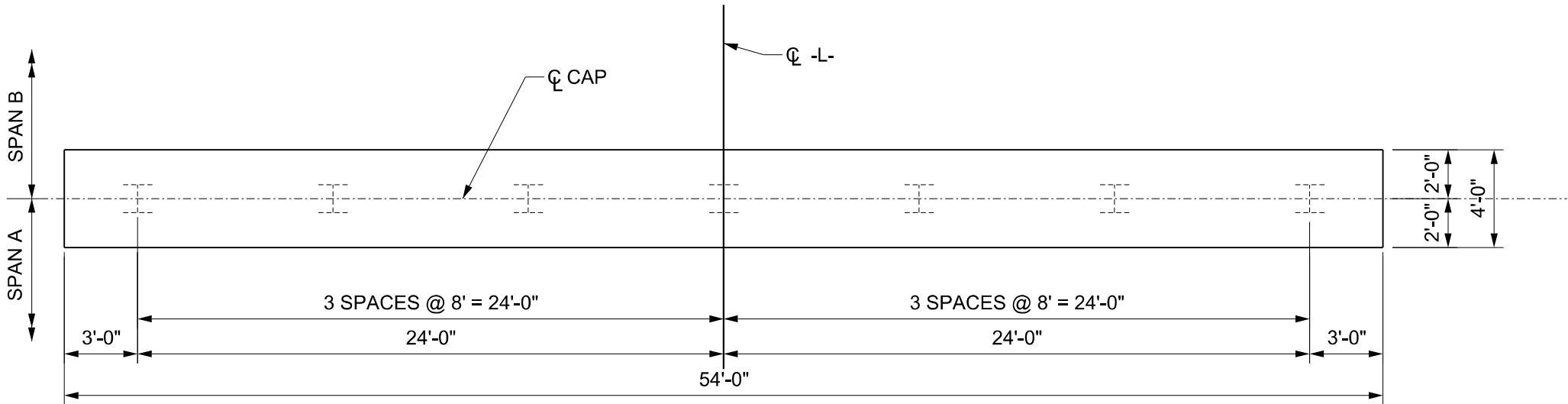
DRAWN BY: J. F. LARA C. DATE: 5/25
CHECKED BY: D. RUGGLES DATE: 5/25
DESIGN ENGINEER OF RECORD: D. RUGGLES DATE: 5/25

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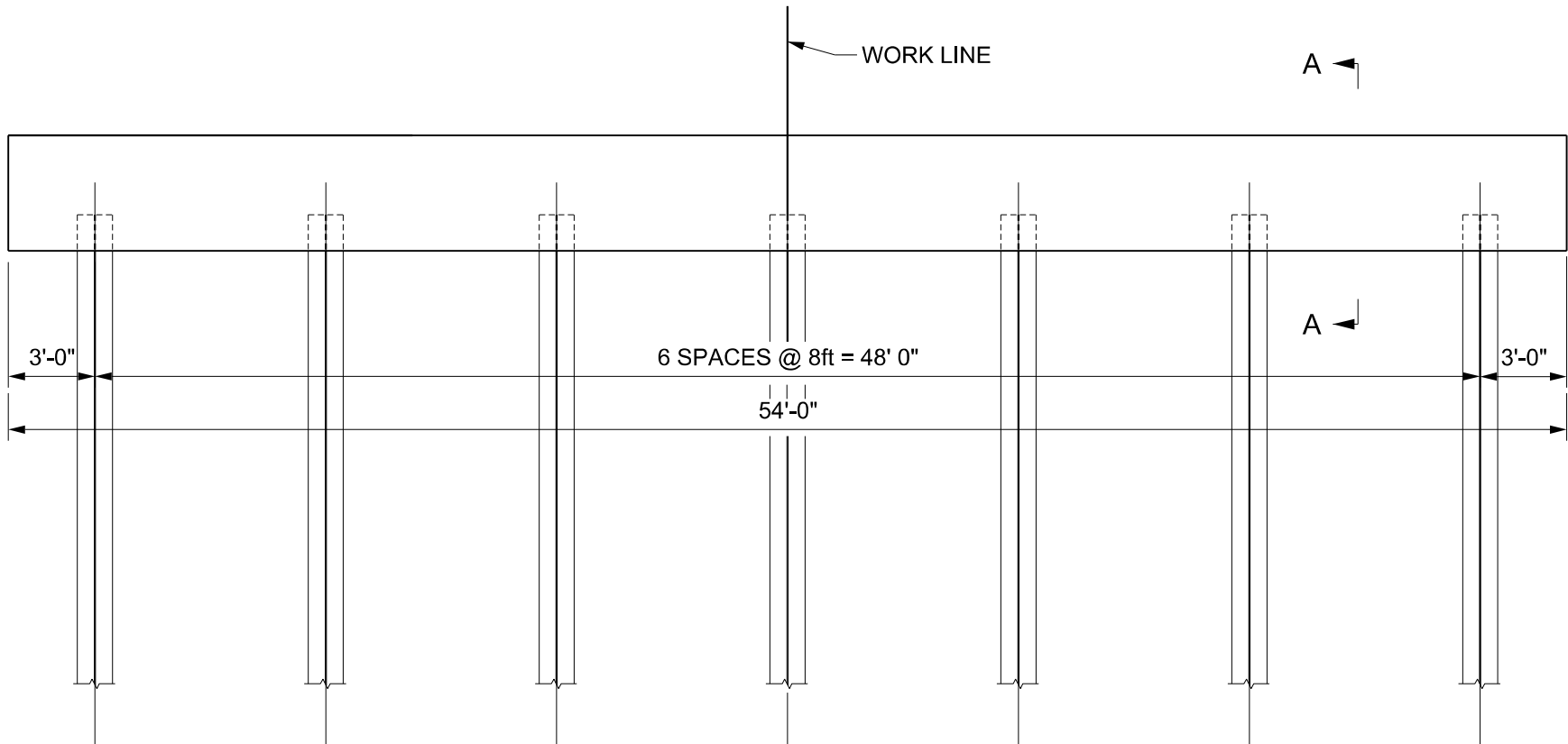
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DRAWN BY:	J. F. LARA C.	DATE :	5/25
CHECKED BY:	D. RUGGLES	DATE :	5/25
DESIGN ENGINEER OF RECORD:	D. RUGGLES	DATE :	5/25



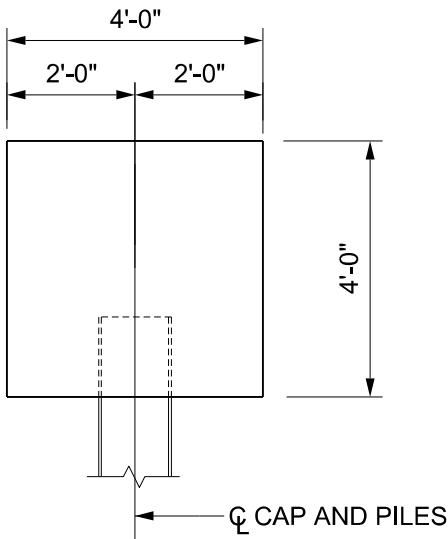
PLAN



ELEVATION

NOTES

1. PILES AT BENT NO. 1 ARE DESIGNED FOR AN ALLOWABLE AXIAL (COMPRESSION) CAPACITY OF 50 TONS PER PILE.
2. DRIVE PILES TO A REQUIRED DRIVING RESISTANCE OF 80 TONS PER PILE.
3. PILE DRIVING CRITERIA SHOULD BE ESTABLISHED BY A QUALIFIED ENGINEER. THE DRIVING CRITERIA AND PILE DRIVING EQUIPMENT INFORMATION SHALL BE SUBMITTED TO THE OWNER'S TESTING AGENCY NO LESS THAN FIVE (5) BUSINESS DAYS PRIOR TO THE START OF PILE DRIVING OPERATIONS.
4. PILE INSTALLATION SHOULD BE OBSERVED AND LOGGED ON A FULL TIME BASIS BY A QUALIFIED INSPECTOR WORKING UNDER THE DIRECTION OF A GEOTECHNICAL ENGINEER.



SECTION A-A

PROJECT RESERVE @ MITCHELL MILL
WAKE COUNTY
LOCATION: NEAR ROLESVILLE

SHEET 5 OF 5

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SUBSTRUCTURE
TYPICAL
BENT DETAILS

REVISIONS						SHEET NO. S-5
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS
2			4			5