



ESSEX COUNTY OFFICE OF THE MANAGER

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Daniel L. Palmer
County Manager

Linda M. Wolf
Purchasing Agent

TO: All Bidders

FROM: Linda Wolf, CPA, Purchasing Agent

DATE: June 28, 2021

SUBJECT: Addendum #2 WATER STREET BRIDGE REPLACEMENT

This Addendum, issued to bid document holders of record, indicates changes to the bid documents for the *Water Street Bridge Replacement Bid Opening July 20, 2021.*

This Addendum is issued to all bidders and is to be inserted into, and shall become part of the Contract Documents, including all Drawings and Specifications for the **Replacement of the Water Street (C.R. 10A) Bridge – BIN 3301700 over The Branch located in the Town of Elizabethtown, Essex County, New York** as if included therein and complete.

This Addendum serves to modify the Bid Documents and Contract Plans as follows:

Contract Plans:

1. Added anchor plate size, minimum casing size, and grade of steel bar to the Micropile details.

Replace the following drawing:

· Drawing No. MP-1 (Sheet No. 9 of 61) with attached Drawing No. MP-1-R1 (Sheet No. 9 of 61)

2. Added the following drawing to the Contract Plans:

· "MICROPILE LAYOUT" - Drawing No. MP-2 (Sheet No. 9A of 61).

Response to questions received:

1) *"Please provide a micropile layout plan for the East and West Abutments."*

"Please provide design loads for the Contractor Designed Micropiles."

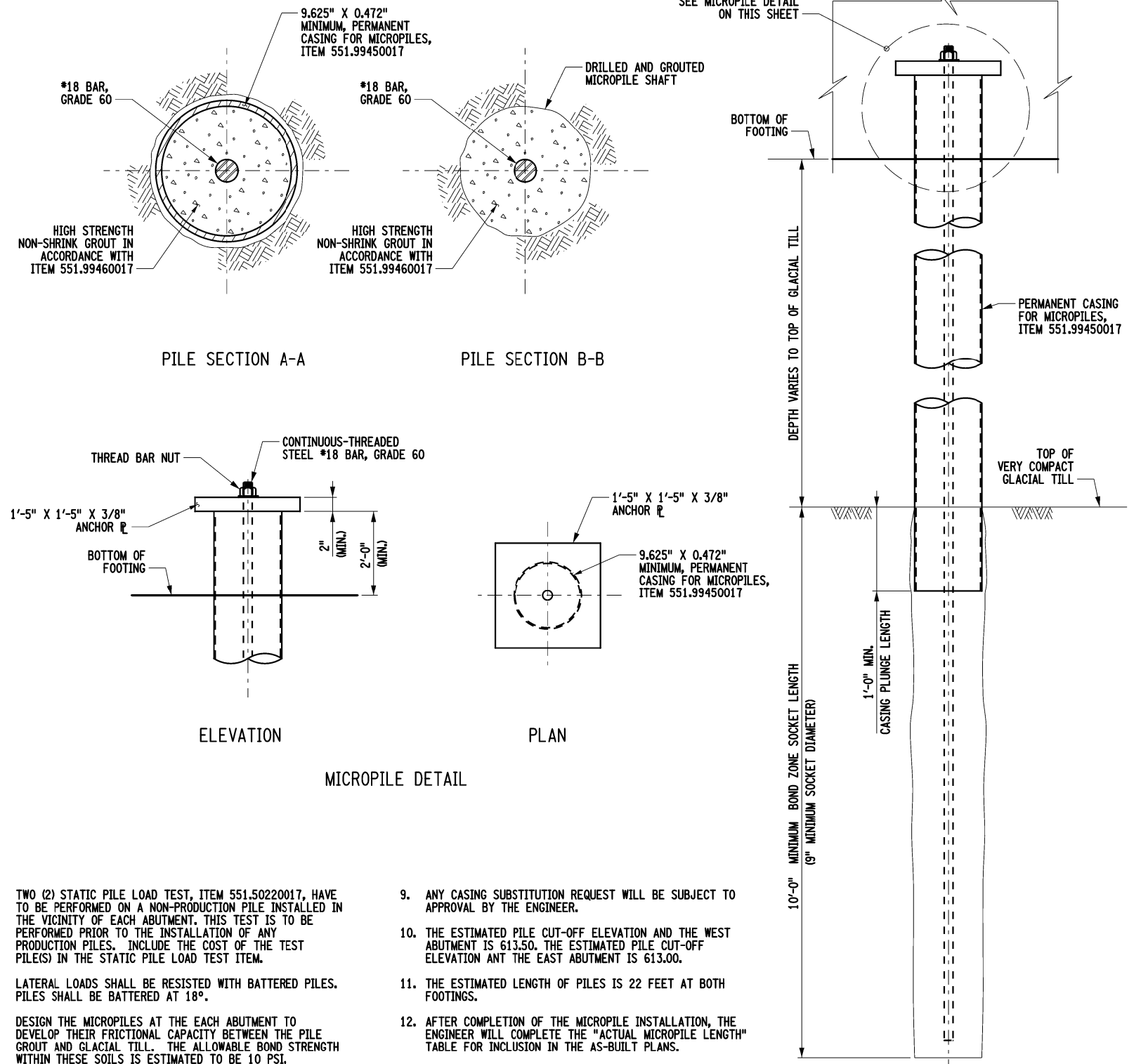
"Please provide bearing plate dimension requirements for the micropiles."

The request has been addressed with the revision to Drawing No. MP-1 (Sheet No. 9 of 61) and the addition of Drawing No. MP-2 (Sheet No. 9A of 61).

END OF ADDENDUM # 2

ACTUAL MICROPILE LENGTH TABLE
ELEVATIONS AND LENGTH BELOW CUT-OFF (FT.)

PILE NO.	WEST ABUTMENT				EAST ABUTMENT			
	BOTTOM OF CASING ELEV.	DESIGN TIP ELEV.	VERTICAL OR BATTERED	LENGTH BELOW CUT-OFF	BOTTOM OF CASING ELEV.	DESIGN TIP ELEV.	VERTICAL OR BATTERED	LENGTH BELOW CUT-OFF
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NOTES:

- THE CONTRACTOR'S ATTENTION BROUGHT TO THE FACT THAT MICROPILES ARE CONSIDERED SPECIALTY WORK WITH THE DESIGN AND INSTALLATION PERFORMED BY A SPECIALTY CONTRACTOR. THE DESIGN AND CONSTRUCTION OF THE MICROPILES SHALL BE DONE IN ACCORDANCE WITH ITEM 551.99460017, MICROPILES (CONTRACTOR DESIGNED).
- THE CONTRACTOR SHALL PROVIDE THE DESIGN AND METHOD-OF-INSTALLATION FOR THE MICROPILES, IN ACCORDANCE WITH ITEM 551.99460017. THE DESIGN AND METHOD-OF-INSTALLATION FOR THE MICROPILES SHALL BE STAMPED BY A LICENSED AND REGISTERED NEW YORK STATE PROFESSIONAL ENGINEER AND SUBMITTED TO THE ENGINEER TWENTY (20) DAYS PRIOR TO BEGINNING THE INSTALLATION.
- THE MOBILIZATION OF EQUIPMENT SHALL BE PAID FOR UNDER FURNISHING EQUIPMENT FOR INSTALLING MICROPILES, ITEM 551.40200017.
- TWO (2) STATIC PILE LOAD TEST, ITEM 551.50220017, HAVE TO BE PERFORMED ON A NON-PRODUCTION PILE INSTALLED IN THE VICINITY OF EACH ABUTMENT. THIS TEST IS TO BE PERFORMED PRIOR TO THE INSTALLATION OF ANY PRODUCTION PILES. INCLUDE THE COST OF THE TEST PILE(S) IN THE STATIC PILE LOAD TEST ITEM.
- LATERAL LOADS SHALL BE RESISTED WITH BATTERED PILES. PILES SHALL BE BATTERED AT 18°.
- DESIGN THE MICROPILES AT THE EACH ABUTMENT TO DEVELOP THEIR FRICTIONAL CAPACITY BETWEEN THE PILE GROUT AND GLACIAL TILL. THE ALLOWABLE BOND STRENGTH WITHIN THESE SOILS IS ESTIMATED TO BE 10 PSI.
- THE MINIMUM ESTIMATED SOCKET LENGTH IS 10.0 FT. WITH A MINIMUM 9 INCH SOCKET DIAMETER.
- THE CASING USED TO PENETRATE THE BEARING STRATUM SHALL BE LEFT IN PLACE AND PROVIDED IN ACCORDANCE WITH ITEM 551.99450017, PERMANENT CASING FOR MICROPILES.
- ANY CASING SUBSTITUTION REQUEST WILL BE SUBJECT TO APPROVAL BY THE ENGINEER.
- THE ESTIMATED PILE CUT-OFF ELEVATION AND THE WEST ABUTMENT IS 613.50. THE ESTIMATED PILE CUT-OFF ELEVATION ANT THE EAST ABUTMENT IS 613.00.
- THE ESTIMATED LENGTH OF PILES IS 22 FEET AT BOTH FOOTINGS.
- AFTER COMPLETION OF THE MICROPILE INSTALLATION, THE ENGINEER WILL COMPLETE THE "ACTUAL MICROPILE LENGTH" TABLE FOR INCLUSION IN THE AS-BUILT PLANS.
- DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS, FOR WHICH NO SCALE IS SHOWN, ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.

AFFIX SEAL: MATTHEW T. SMULLEN, P.E.
ON: APRIL 16, 2021

ALTERED BY:
ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	ESSEX COUNTY DEPARTMENT OF PUBLIC WORKS	PIN 1760.51 UTILITY QUALITY LEVEL C	BRIDGES 3301700	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D035818
	COUNTY ROUTE 10A				MISCELLANEOUS MICROPILE DETAILS AND NOTES	DRAWING NO. MP-1-R1
	TOWN: ELIZABETHTOWN				WATER STREET OVER THE BRANCH	SHEET NO. 9 OF 61
	COUNTY: ESSEX	REGION: 1				

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



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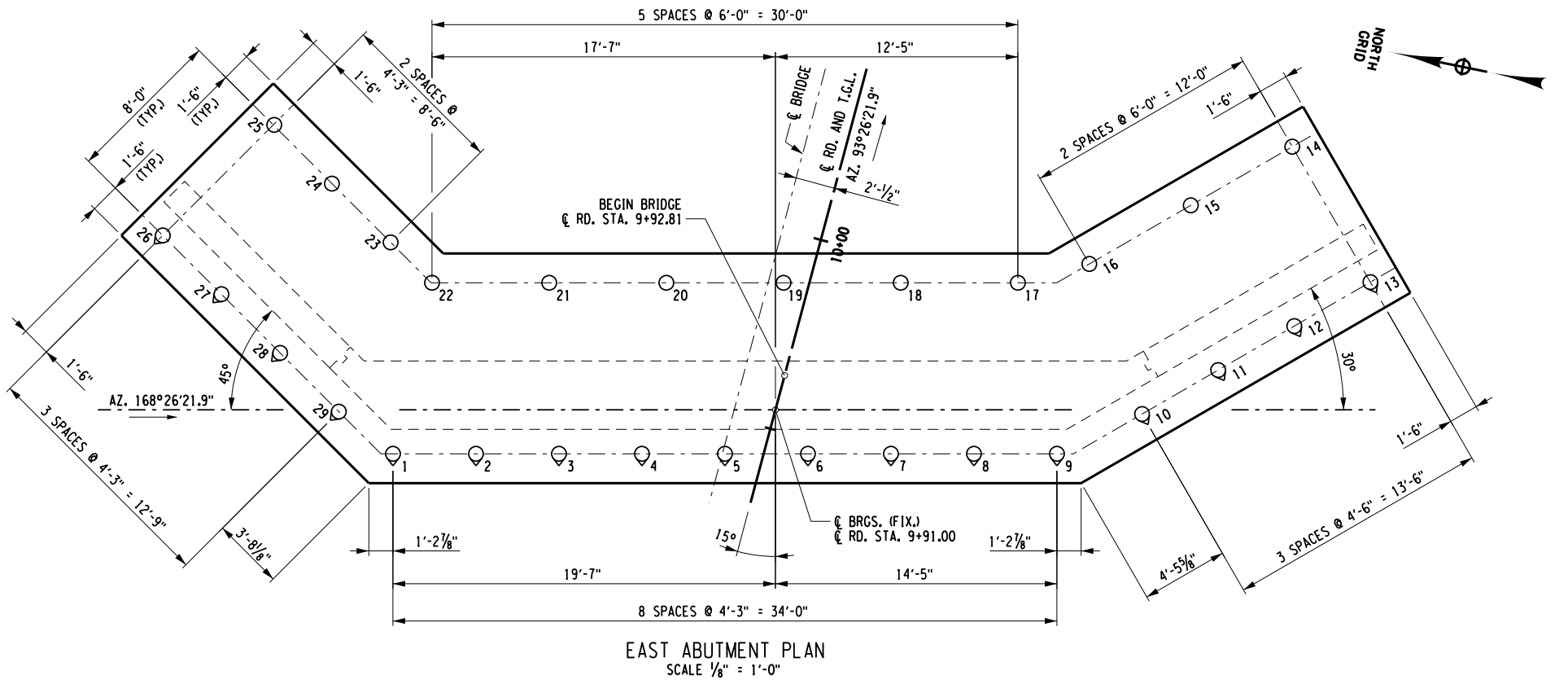
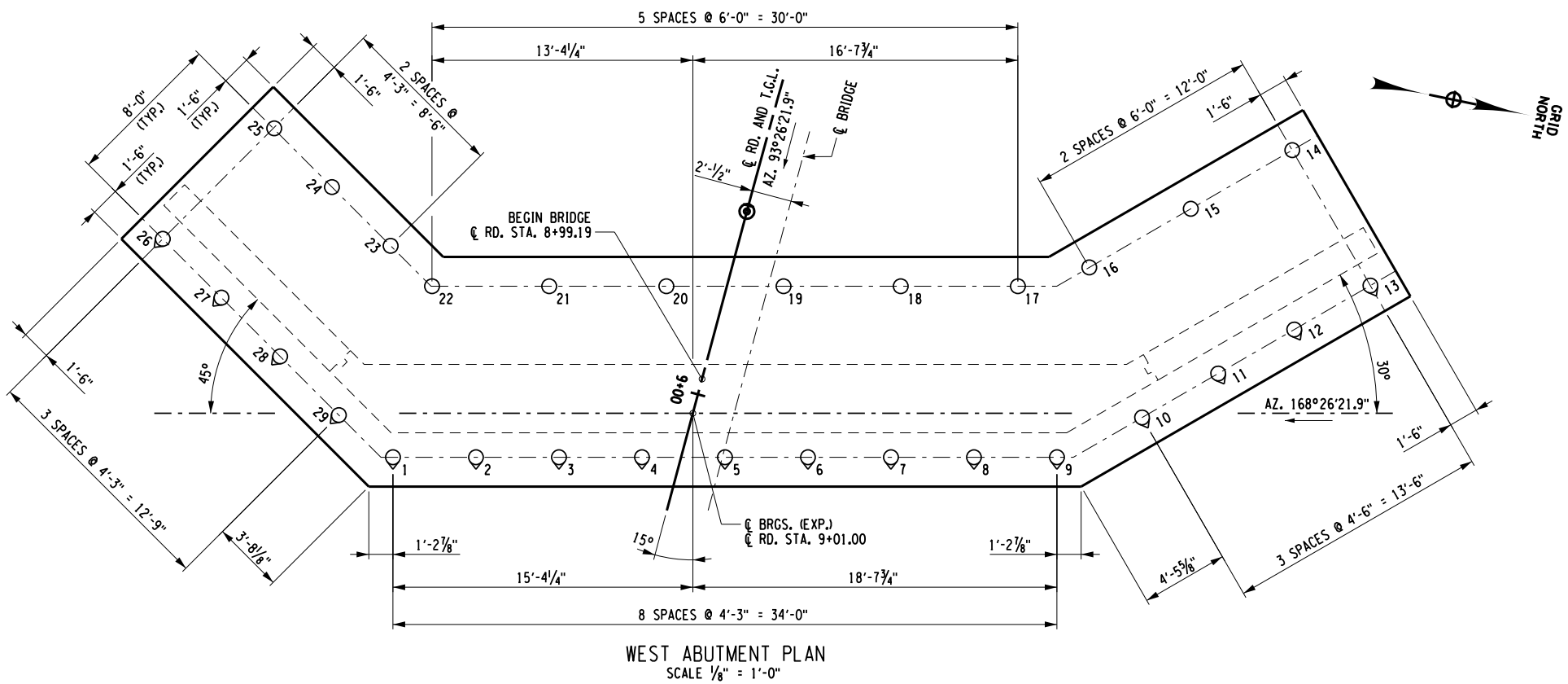
PROJECT MANAGER GWN
CHECK GWN
DRAFTING JAT
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DESIGN JAT
JOB MANAGER GWN
DESIGN SUPERVISOR MTS

PROJECT MANAGER GWN
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 DRAFTING JAT
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 JOB MANAGER GWN
 DESIGN SUPERVISOR MTS

NOTES:

- SUPPORT THE ABUTMENTS ON MICROPILES (CONTRACTOR DESIGNED), ITEM 551.99460017. MICROPILES SHALL BE DESIGN BASED ON A MAXIMUM STRENGTH LIMIT STATE AXIAL LOAD OF 160 KIPS PER PILE.
- THE MICROPILES SHALL BE DESIGN FOR A MAXIMUM SERVICE LIMIT STATE AXIAL LOAD OF 118 KIPS PER PILE. THE ESTIMATED VERTICAL MICROPILE DEFLECTION AT THE SERVICE LIMIT STATE AXIAL LOAD WILL BE LESS THAN 1 INCH.
- SEE DWG. NO. MP-1 FOR ADDITIONAL NOTES AND DETAILS.
- DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS, FOR WHICH NO SCALE IS SHOWN, ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.

LEGEND	
○	MICROPILES (CONTRACTOR DESIGNED), ITEM 551.99460017
⊙	18° BATTERED MICROPILES (CONTRACTOR DESIGNED), ITEM 551.99460017
NOTE: TWO (2) STATIC PILE LOAD TEST, ITEM 551.50220017, HAVE TO BE PERFORMED ON A NON-PRODUCTION PILE INSTALLED IN THE VICINITY OF EACH ABUTMENT. THIS TEST IS TO BE PERFORMED PRIOR TO THE INSTALLATION OF ANY PRODUCTION PILES. INCLUDE THE COST OF THE TEST PILE(S) IN THE STATIC PILE LOAD TEST ITEM.	



AFFIX SEAL: MATTHEW T. SMULLEN, P.E.
ON: JUNE 28, 2021

ALTERED BY:
ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	ESSEX COUNTY DEPARTMENT OF PUBLIC WORKS	PIN 1760.51	BRIDGES 3301700	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D035818
	COUNTY ROUTE 10A	UTILITY QUALITY LEVEL C			
	TOWN: ELIZABETHTOWN				
	COUNTY: ESSEX	REGION: 1			
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.					
				MICROPILE LAYOUT	DRAWING NO. MP-2
				WATER STREET OVER THE BRANCH	SHEET NO. 9A OF 61
					CPL ARCHITECTURE PLANNING CPTeam.com