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| | | SUN | 1MARY | | | TLE TES IND | | |
|--|---|--|---|-----------------------------------|------------------------------|---|---------------------|----------|
| END BENT/ BENT NO. PILE (s) #-# (e.g., "BENT 1, PILES 1-5") | FACTORED RESISTANCE PER PILE TONS | PILE CUT-OF (TOP OF PILE ELEVATION FT | | GTH CRI E ELEV | COUR TICAL ATION FT | MIN.P TIP (NO HI(THAN)E FT | TIP GHER ELEV | (|
| END BENT 1, PILES 1-5 | 125 | | 80 | | | | | ┢ |
| END BENT 1, PILES 6-15 | 125 | 1 | 70 | | | | | ┢ |
| END BENT 1, PILES 16-17 | 15 | SEE SUBSTRUCTUR | E 70 | | | | | ┢ |
| END BENT 2, PILES 1-10 | 125 | - PLANS | 50 | | | | | T |
| END BENT 2, PILES 11-15 | 125 | 1 | 35 | | | | | T |
| END BENT 2, PILES 16-17 | 15 | | 35 | | | | | |
| BENT 1, PILES 1-18 | 135 | 1 | 35 | | | | | Γ |
| BENT 1, PILES 19-30 | 135 | | 25 | | | | | Γ |
| * PREDRILLING FOR PIL THE CONTRACTOR'S OPT * * RDR= <u>FACTORED RES</u> | ON FOR END BE | ENTS/ BENTS W | ITH PREDRIL | LING INF | FORMAT | ION BUI | Γ ΝΟ | Ρ |
| SUMMAR | Y OF ank entries i | | | | | | | 6 |
| | PILE DRIVIN | NG ANALYZER (F | PDA) | | | PILE O | RDER | L |
| END BENT/ BENT NO. | PDA TESTING REQUIRED YES OR MAYBE | | ILE PI TH QUAN | TAL DA TING ITITY NCH | END BI BENT | | | P: ES |
| END BENT 1, PILES 1-5 | MAYBE | 85 | | | | | | |
| END BENT 1, PILES 6-15 | MAYBE | 75 | | F | | | | |
| END BENT 2, PILES 1-10 | MAYBE | 55 | | , [| | | | |
| END BENT 2, PILES 11-15 | 5 MAYBE | 40 | | | | | | |
| BENT 1, PILES 1-18 | MAYBE | 40 | | | | | | |
| BENT 1, PILES 19-30 | MAYBE | MAYBE 30 | | | | | | |
| *EST=PILE ORDER LENG PDA TESTING.FOR GROU TESTING,THE FIRST EN BENT WITH THE PDA. | PS OF END BEN | TS/BENTS WITH | H PILE ORDEF | R LENGTHS | s basei | D ON PC |) A (| |
| | | E DES | | | | | | |
| END BENT/ BENT NO. PILE (s) #-# (e.g., "BENT 1, PILES 1-5") | FACTORED AXIAL LOAD PER PILE TONS | FACTORED DOWNDRAG LOAD PER PILE TONS | FACTORED DEAD LOAD * PER PILE TONS | DYNAM RESISTA FACTC | IC NCE R | NOMINA DOWNDRA ESISTAN PER PIL TONS | AG NCE | S |
| END BENT 1, PILES 1-15 | 124 | | | 0.60 | | | | |
| END BENT 1, PILES 16-17 | 15 | | | 0.60 | | | | |
| END BENT 2, PILES 1-15 | 125 | | | 0.60 | | | | |
| END BENT 2, PILES 16-17 | 15 | | | 0.60 | | | | |
| BENT 1, PILES 1-30 | 135 | | | 0.60 | | | | |
| * FACTORED DEAD LOAD | IS FACTORED W | EIGHT OF PILE | ABOVE THE | GROUND I | LINE. | | | |
| Stantec Consulting Services 801 Jones Franklin Road Suite 300 | Inc. | | | | | IOTES | - | |
| Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com License No. F-0672 | | | | | 2 | TOTAL PILES | | |

INFORMATION/INSTALLATION ATE ITEM IS NOT APPLICABLE TO STRUCTURE)

| DRIVEN PILES | | | PREDRILLING FOR PILES * | | | DRILLED-IN PILES | | | |
|----------------------|---|---|---|---|---|--|--|---|--|
| _E IP ER EV | REQUIRED DRIVING RESISTANCE (RDR) XX PER PILE TONS | TOTAL PILE REDRIVES QUANTITY EACH | PREDRILLING LENGTH PER PILE LIN FT | PREDRILLING ELEVATION (ELEV NOT TO PREDRILL BELOW) FT | MAXIMUM PREDRILLING DIA INCHES | PILE EXCAVATION (BOTTOM OF HOLE) ELEV FT | PILE EXC NOT IN SOIL PER PILE LIN FT | PILE EXC IN SOIL PER PILE LIN FT | |
| | 210 | | | | | | | | |
| | 210 | | | | | | | | |
| | 25 | | | | | | | | |
| | 210 | | | | | | | | |
| | 210 | | | | | | | | |
| | 25 | | | | | | | | |
| | 225 | | | | | | | | |
| | 225 | | | | | | | | |
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H AND AT O PREDRILLING LENGTH.

RMAL DOWNDRAG RESISTANCE +

NORMAL SCOUR RESISTANCE SCOUR RESISTANCE FACTOR

| IGTHS |
|--|
| ER LENGTHS |
| PILE ORDER LENGTH BASIS * EST OR PDA |
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| |

O ON END BENT/

| ON Ructure) | | | | | | |
|---|---|--|--|--|--|--|
| NOMINAL SCOUR RESISTANCE PER PILE TONS | SCOUR RESISTANCE FACTOR (DEFAULT=1.00) | | | | | |
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FOUNDATION NOTES:

 FOR PILES, SEE PILES PROVISION AND SECTION 450 OF THE STANDARD SPECIFICATIONS.
CONSTRUCT THE EMBANKMENT TO WITHIN 2 FT OF FINISHED GRADE BEFORE BEGINNING END BENT CONSTRUCTION AT END BENTS NO.1 AND NO.2.

FOUNDATION TABLES ARE BASED ON THE BRIDGE SUBSTRUCTURE DESIGN AND FOUNDATION NDATIONS SEALED BY A NORTH CAROLINA PROFESSIONAL ENGINEER (STEPHEN C.CROCKETT,048207) ON 4-28-23. THE DRIVING EQUIPMENT SETUP QUANTITY (NOT SHOWN IN PILE FOUNDATION TABLES)EQUALS THE NUMBER OF DRIVEN E., THE NUMBER OF PILES WITH A REQUIRED DRIVING RESISTANCE.

| ORE BEGINNING | | LIMIN NOT USE | | | | |
|--|---|------------------|-------------------|-------|-----------------------|--|
| PROJECT NO. <u>R-2707D</u> <u>CLEVELAND</u> COUNTY STATION: <u>36+78.38</u> -RAMP A- | | | | | | |
| SHEET 3 OF 6 STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH | | | | | | |
| DocuSigned by: | GENERAL DRAWING PILE FOUNDATION TABLES | | | | | |
| Victor E. Fraza 5/10/2023 | REVISIONS | | | | SHEET NO. S4-03 | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | NO. BY: 1 2 | | NO. ВҮ: З 4 | DATE: | TOTAL SHEETS 43 | |