

REFERENCE: N/A

PROJECT: 17BP.8.R.995

SEE SHEET 3 FOR PLAN SHEET LAYOUT
AT TIME OF INVESTIGATION

CONTENTS

<u>LINE</u>	<u>STATION</u>	<u>X-SECTION</u>
-L-	16+00.00 - 20+50.00	4-6
SUMMARY OF LAB TEST RESULTS		7

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
GEOTECHNICAL ENGINEERING UNIT

ROADWAY
SUBSURFACE INVESTIGATION

COUNTY RANDOLPH
PROJECT DESCRIPTION REPLACEMENT OF BRIDGE
NO. 25 ON SR 1112 (ABNER ROAD) OVER A
BRANCH OF THE WEST FORK LITTLE RIVER

RECOMMENDATIONS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	17BP.8.R.995	1	7

CAUTION NOTICE

THE SUBSURFACE INFORMATION AND THE SUBSURFACE INVESTIGATION ON WHICH IT IS BASED WERE MADE FOR THE PURPOSE OF STUDY, PLANNING AND DESIGN, AND NOT FOR CONSTRUCTION OR PAY PURPOSES. THE VARIOUS FIELD BORING LOGS, ROCK CORES AND SOIL TEST DATA AVAILABLE MAY BE REVIEWED OR INSPECTED IN RALEIGH BY CONTACTING THE N.C. DEPARTMENT OF TRANSPORTATION, GEOTECHNICAL ENGINEERING UNIT AT (919) 707-6850. THE SUBSURFACE PLANS AND REPORTS, FIELD BORING LOGS, ROCK CORES AND SOIL TEST DATA ARE NOT PART OF THE CONTRACT.

GENERAL SOIL AND ROCK STRATA DESCRIPTIONS AND INDICATED BOUNDARIES ARE BASED ON A GEOTECHNICAL INTERPRETATION OF ALL AVAILABLE SUBSURFACE DATA AND MAY NOT NECESSARILY REFLECT THE ACTUAL SUBSURFACE CONDITIONS BETWEEN BORINGS OR BETWEEN SAMPLED STRATA WITHIN THE BOREHOLE. THE LABORATORY SAMPLE DATA AND THE IN SITU (IN-PLACE) TEST DATA CAN BE RELIED ON ONLY TO THE DEGREE OF RELIABILITY INHERENT IN THE STANDARD TEST METHOD. THE OBSERVED WATER LEVELS OR SOIL MOISTURE CONDITIONS INDICATED IN THE SUBSURFACE INVESTIGATIONS ARE AS RECORDED AT THE TIME OF THE INVESTIGATION. THESE WATER LEVELS OR SOIL MOISTURE CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS INCLUDING TEMPERATURES, PRECIPITATION AND WIND, AS WELL AS OTHER NON-CLIMATIC FACTORS.

THE BIDDER OR CONTRACTOR IS CAUTIONED THAT DETAILS SHOWN ON THE SUBSURFACE PLANS ARE PRELIMINARY ONLY AND IN MANY CASES THE FINAL DESIGN DETAILS ARE DIFFERENT. FOR BIDDING AND CONSTRUCTION PURPOSES, REFER TO THE CONSTRUCTION PLANS AND DOCUMENTS FOR FINAL DESIGN INFORMATION ON THIS PROJECT. THE DEPARTMENT DOES NOT WARRANT OR GUARANTEE THE SUFFICIENCY OR ACCURACY OF THE INVESTIGATION MADE, NOR THE INTERPRETATIONS MADE, OR OPINION OF THE DEPARTMENT AS TO THE TYPE OF MATERIALS AND CONDITIONS TO BE ENCOUNTERED. THE BIDDER OR CONTRACTOR IS CAUTIONED TO MAKE SUCH INDEPENDENT SUBSURFACE INVESTIGATIONS AS HE DEEMS NECESSARY TO SATISFY HIMSELF AS TO CONDITIONS TO BE ENCOUNTERED ON THE PROJECT. THE CONTRACTOR SHALL HAVE NO CLAIM FOR ADDITIONAL COMPENSATION OR FOR AN EXTENSION OF TIME FOR ANY REASON RESULTING FROM THE ACTUAL CONDITIONS ENCOUNTERED AT THE SITE DIFFERING FROM THOSE INDICATED IN THE SUBSURFACE INFORMATION.

- NOTES:
1. THE INFORMATION CONTAINED HEREIN IS NOT IMPLIED OR GUARANTEED BY THE N.C. DEPARTMENT OF TRANSPORTATION AS ACCURATE NOR IS IT CONSIDERED PART OF THE PLANS, SPECIFICATIONS OR CONTRACT FOR THE PROJECT.
 2. BY HAVING REQUESTED THIS INFORMATION, THE CONTRACTOR SPECIFICALLY WAIVES ANY CLAIMS FOR INCREASED COMPENSATION OR EXTENSION OF TIME BASED ON DIFFERENCES BETWEEN THE CONDITIONS INDICATED HEREIN AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.

PERSONNEL

J. HOWARD

G. REISTIEN

INVESTIGATED BY WOOD E&IS, INC.

DRAWN BY R. RAHIE

CHECKED BY M. LEAR

SUBMITTED BY C.T. TANG

DATE JUNE, 2021

WOOD ENV & INF SOLUTIONS, INC.
4021 STIRRUP CREEK DRIVE, SUITE 100
DURHAM, NORTH CAROLINA 27703
(919) 381-9900

NC Engineering F-1253 NC Geology C-247



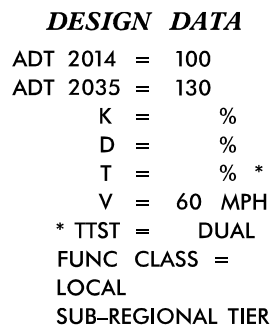
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DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED


TIP PROJECT: 17BP.8.R.995



THERE IS NO CONTROL OF ACCESS ON THIS PROJECT.
THIS PROJECT IS NOT WITHIN MUNICIPAL BOUNDARIES.
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO
LIMITS ESTABLISHED BY METHOD III.



PLANS PREPARED BY:	PLANS PREPARED FOR:
wood. 4021 STIRRUP CREEK DRIVE DURHAM, NC 27703 NC ENG F-1253	DIVISION OF HIGHWAYS DIVISION 8 150 DOT DRIVE CARTHAGE, NC 28327
2018 STANDARD SPECIFICATIONS	
RIGHT OF WAY DATE: JULY 16, 2019	CHRISTOPHER H. LEE, PE PROJECT ENGINEER
LETTING DATE: JULY 21, 2019	TIM WELCH, PE NCDOT CONTACT DIV & BRIDGE PROGRAM MANAGER



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

RANDOLPH COUNTY

NAD 83/2011

BEGIN PROJECT 17BP.8.R.995
-L- Sta. 9+50.00

END PROJECT 17BP.8.R.995
-L- Sta. 20+50.00

BEGIN BRIDGE
-L- POT Sta. 14+01.38

END BRIDGE
-L- POT Sta. 14+98.63

-L- SR 1112 (ABNER RD.)

WEST FORK LITTLE RIVER

SR 1111

TO SR 1114

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

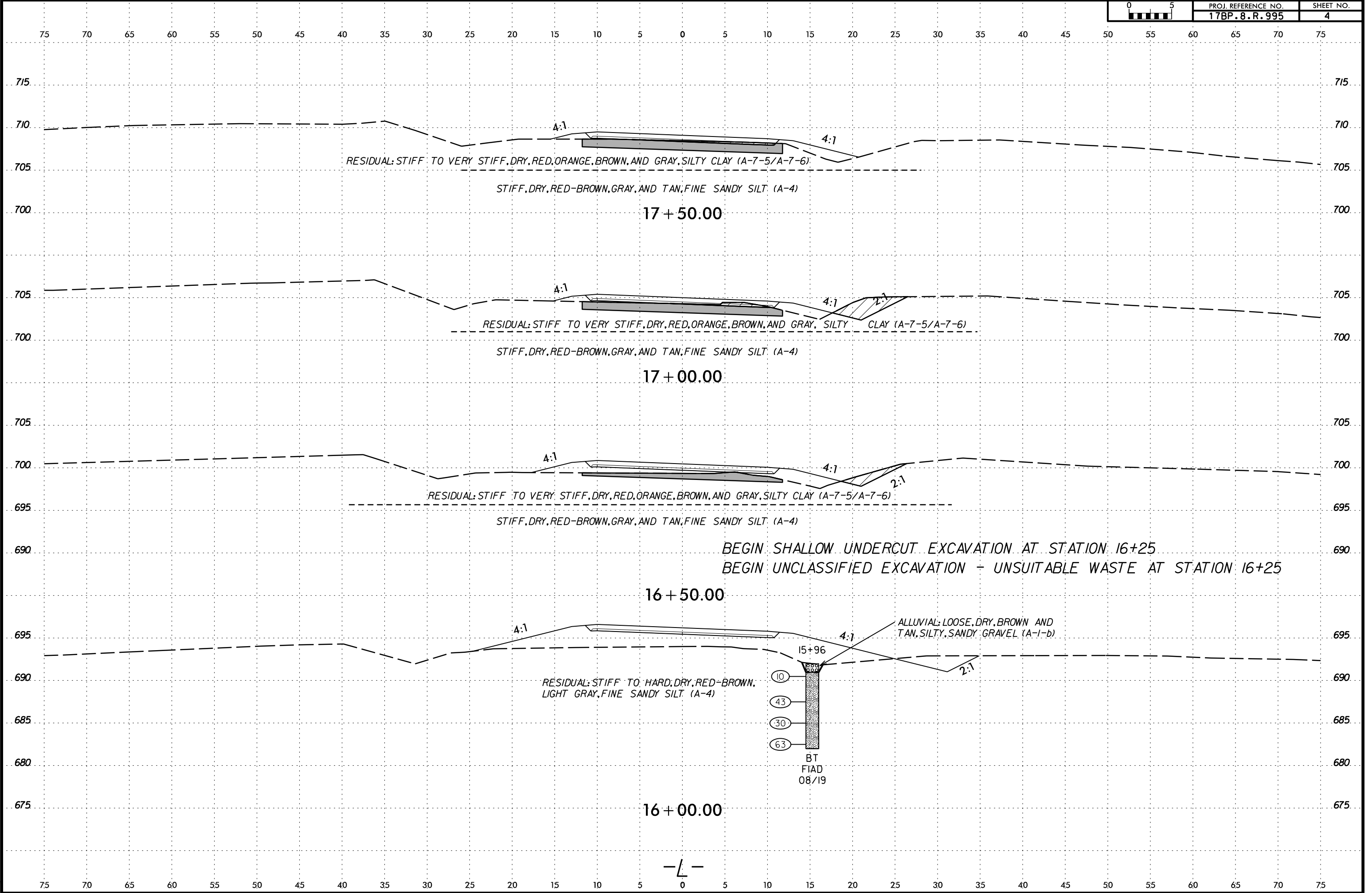
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PROJ. REFERENCE NO.
17BP.8.R.995

SHEET NO.
4



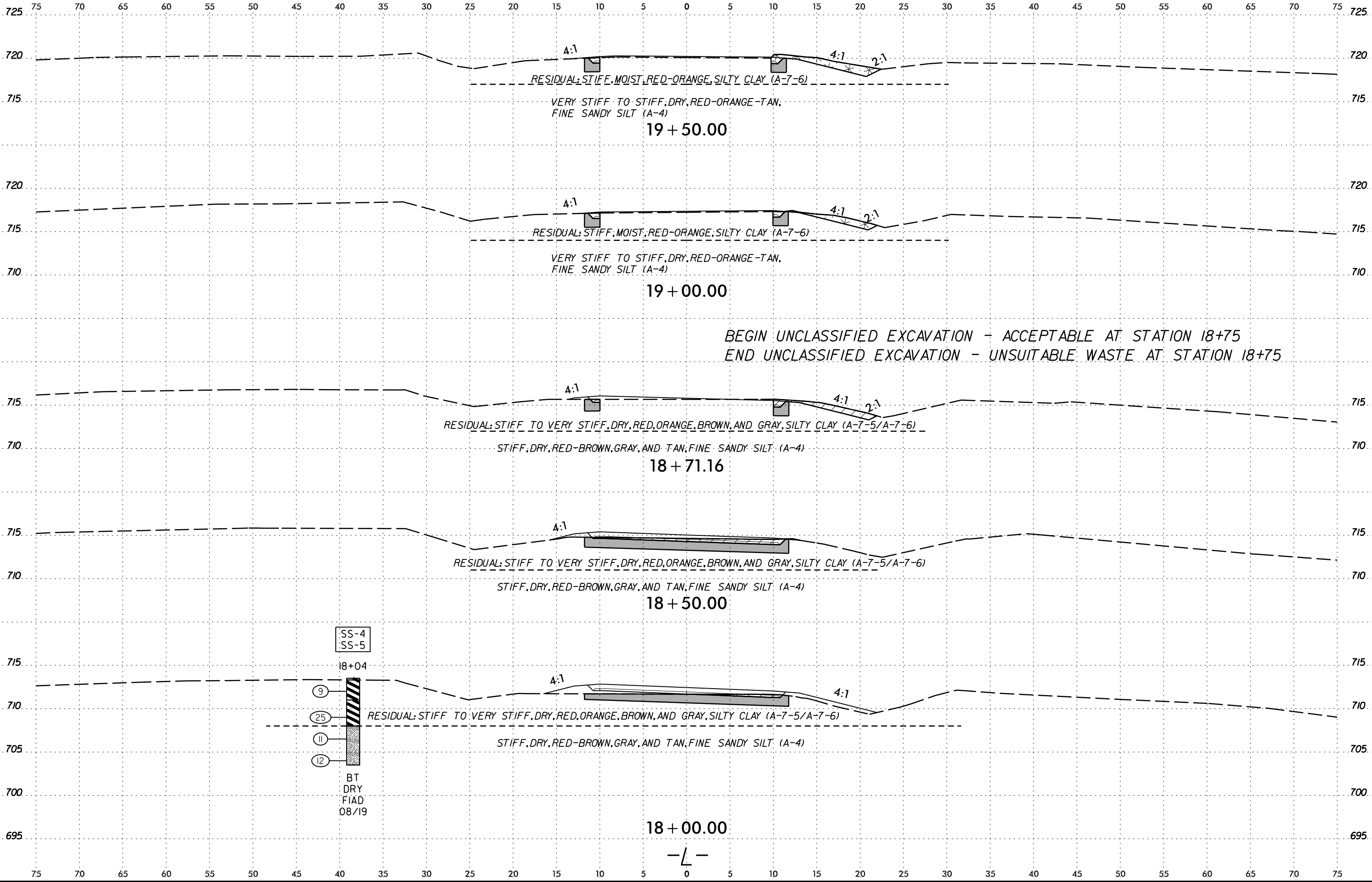
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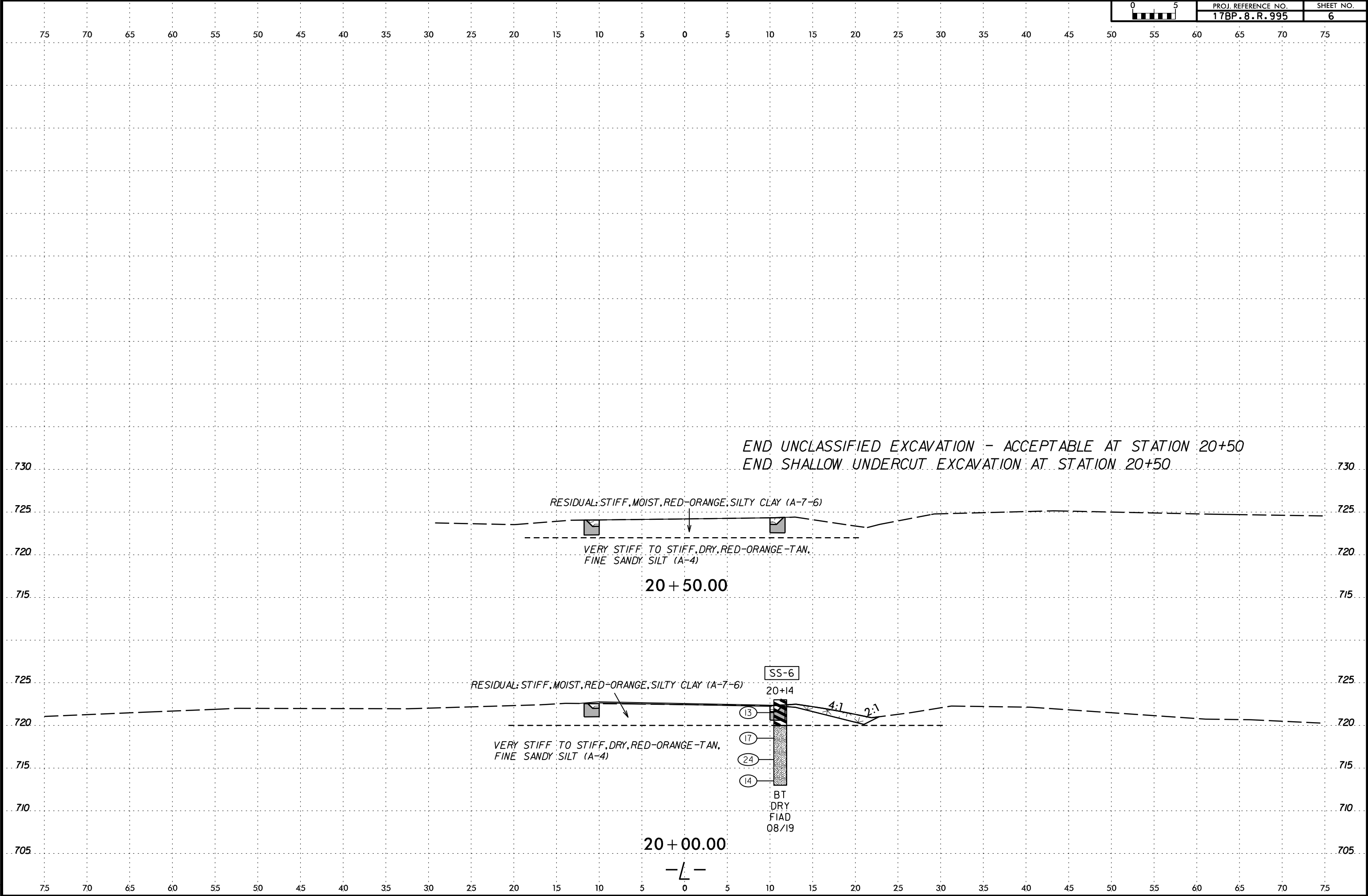
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At MCB30752



PROJ. REFERENCE NO.
17BP.8.R.995

SHEET NO.
5





Wood E&IS Project No.: 6468-19-9023

Replacement of Bridge No. 25 on SR 1112 (Abner Road) Over a Branch of the West Fork Little River

Date Reported: March, 2021


NCDOT WBS No.: NA

Tip No.: 17BP.8.R.995

County: RANDOLPH

Date Tested: 9/05/2019

SOIL TEST RESULTS																
SAMPLE NO.	STATION	OFFSET	LINE	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING SIEVES			% MOISTURE	% ORGANIC
								C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-1	10+05	14' RT	-L-	0.5-2.0	A-7-5(19)	53	19	10.3	3.1	49.0	34.6	97.0	89.4	84.2	20.3	-
SS-2	11+98	13' RT	-L-	0.5-2.0	A-4(4)	28	6	18.4	3.9	39.3	38.4	100.0	86.4	78.3	13.4	-
SS-3	11+98	13' RT	-L-	3.5-5.0	A-6(14)	38	13	3.4	1.1	70.2	25.2	99.9	97.8	95.8	16.3	-
SS-4	18+04	38' LT	-L-	0.5-2.0	A-7-6(52)	73	44	0.6	0.5	38.3	60.4	99.8	99.4	98.8	26.6	-
SS-5	18+04	38' LT	-L-	3.5-5.0	A-7-5(16)	44	14	4.2	1.4	61.5	32.9	100.0	96.6	95.0	26.2	-
SS-6	20+14	11' RT	-L-	0.5-2.0	A-7-6(36)	57	31	1.0	0.3	38.8	59.9	100.0	99.3	98.8	23.0	-

	115-01-0504	Albert Romero
Signature	Certification #	Print Name