

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	15BPR.20	1	10

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

STRUCTURE
SUBSURFACE INVESTIGATION

COUNTY HENDERSON
PROJECT DESCRIPTION 440I08 AND 440I12
I-26, GREEN RIVER CROSSING
STRUCTURE REHABILITATION
SITE DESCRIPTION _____
SPECIFIC INVENTORY FOR FOUNDATION RECOMMENDATIONS
BETWEEN EXISTING END ABUTMENTS

CONTENTS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	TITLE SHEET
2	LEGEND (SOIL & ROCK)
3	CROSS SECTIONS
4 - 10	ORIGINAL SITE INVESTIGATION

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:

- 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.
- 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

JC KUHNE

CD JOHNSON

C COFFEY

INVESTIGATED BY JC KUHNE

DRAWN BY JC KUHNE

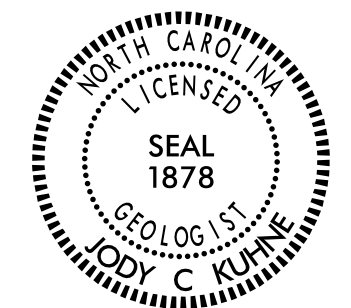
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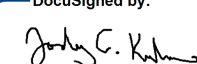
SUBMITTED BY JC KUHNE

DATE _____

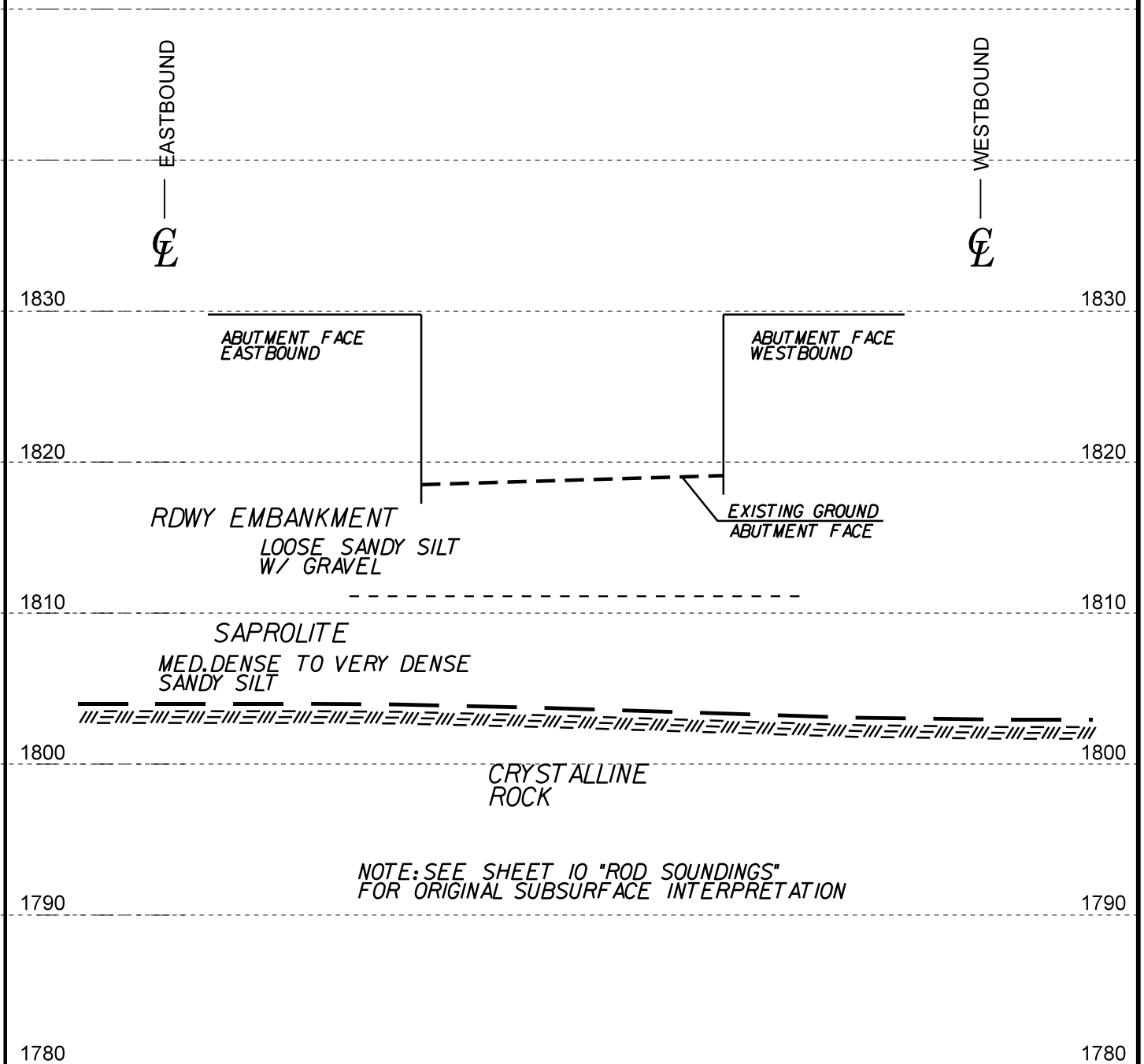
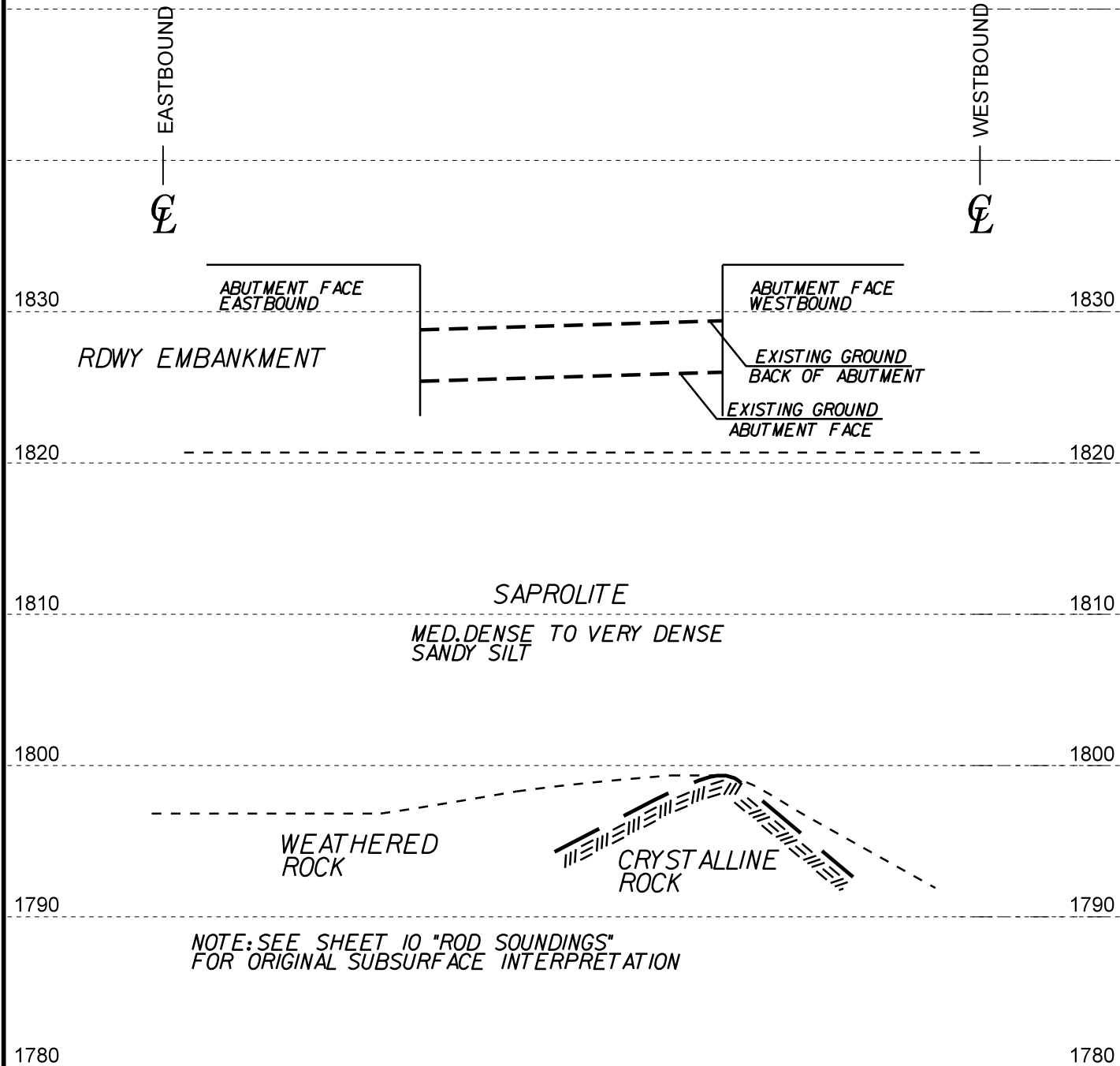
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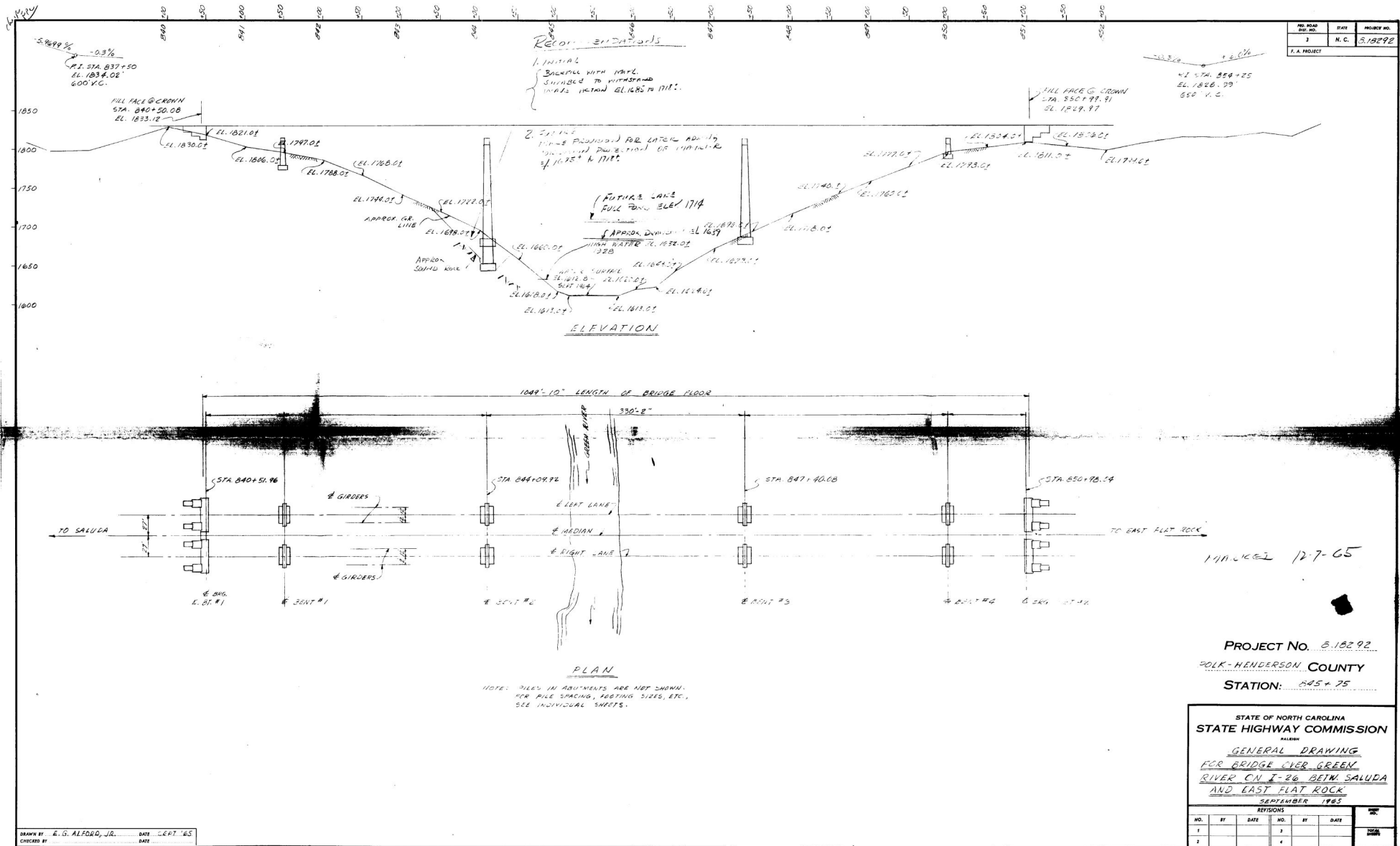
PROJECT: 15BPR.20



DocuSigned by:

4F9C0665A1EC400 SIGNATURE DATE 2/22/2019

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**





NO. ROAD DIST. NO.	STATE	PROJECT NO.
3	N.C.	518292
F. A. PROJECT		

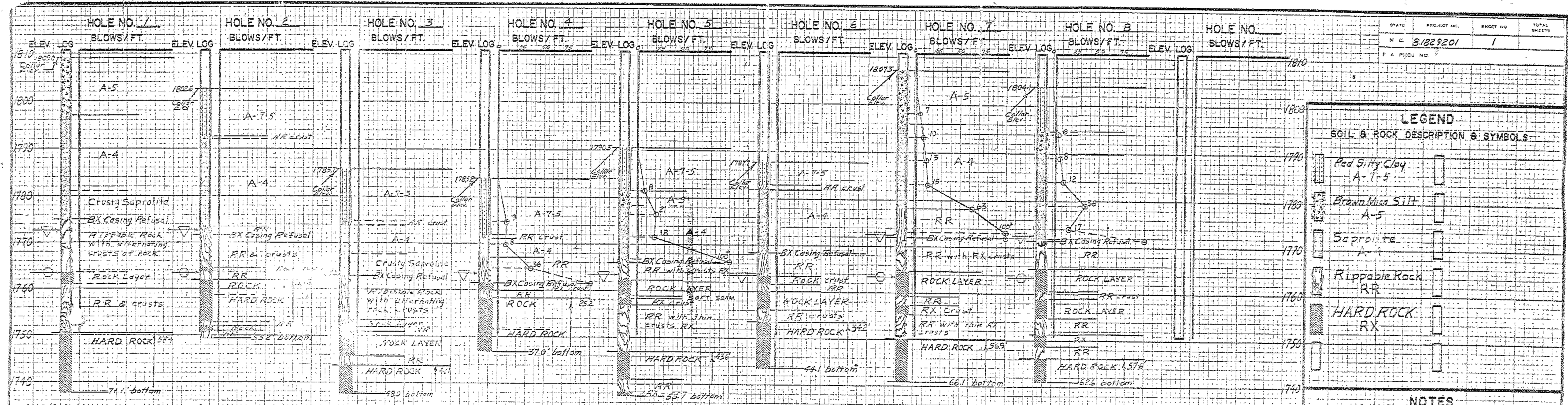
11/10/65 12-7-65

PROJECT No. 518292
 POLK-HENDERSON COUNTY
 STATION: 545+75

STATE OF NORTH CAROLINA
 STATE HIGHWAY COMMISSION
 GENERAL DRAWING
 FOR BRIDGE OVER GREEN RIVER ON I-26 BETWEEN SALUDA AND EAST FLAT ROCK
 SEPTEMBER 1965

DRAWN BY E. G. ALFORD, JR. DATE SEP 1965
 CHECKED BY DATE

Author: Ralph Holt & Son, Inc., Raleigh, N. C. 27601
 H. H. ...



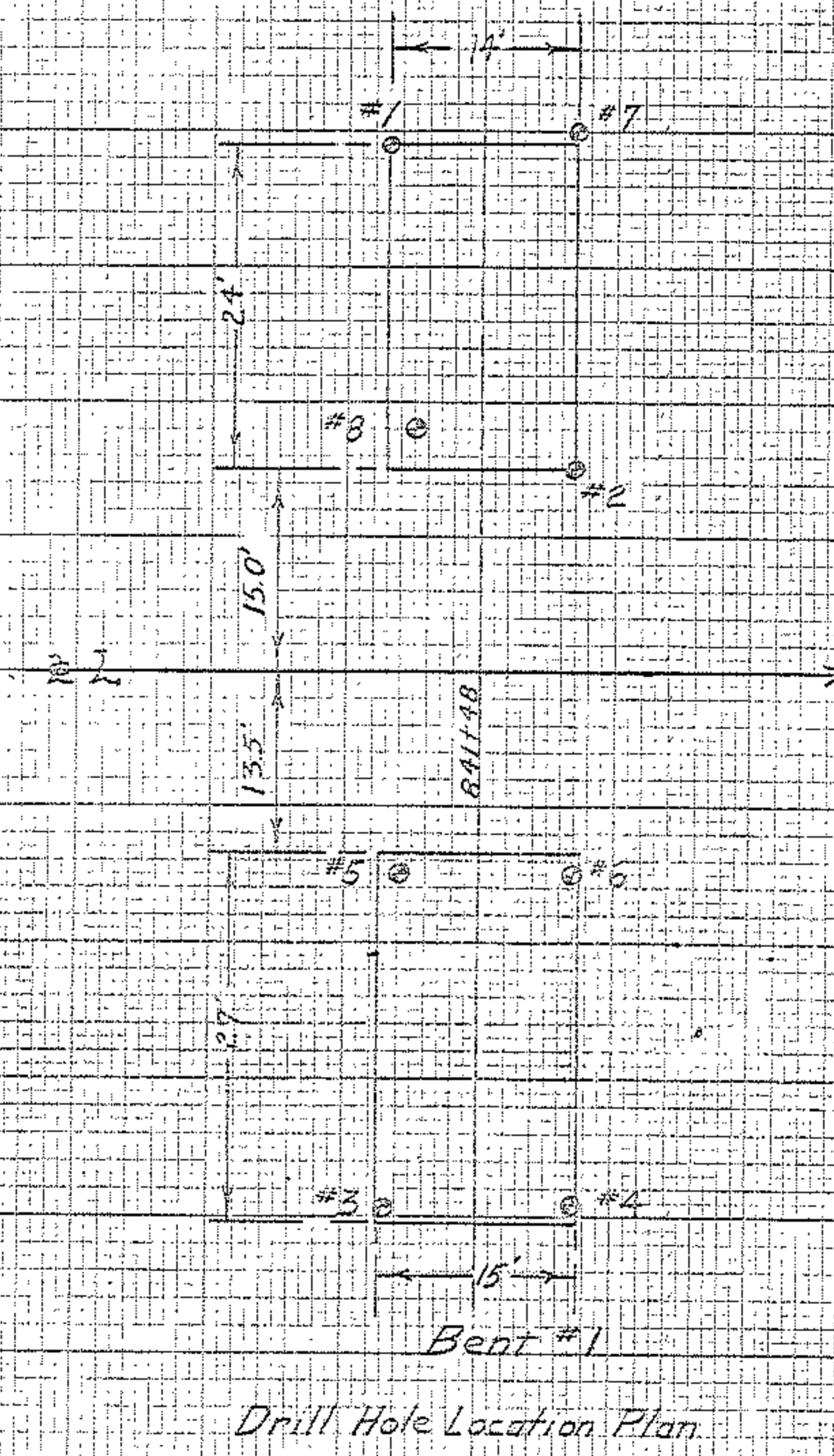
LEGEND	
SOIL & ROCK DESCRIPTION & SYMBOLS	
	Red Silty Clay A-1-5
	Brown Silty Silt A-5
	Saprolite A-4
	Rippable Rock RR
	HARD ROCK RX

NOTES

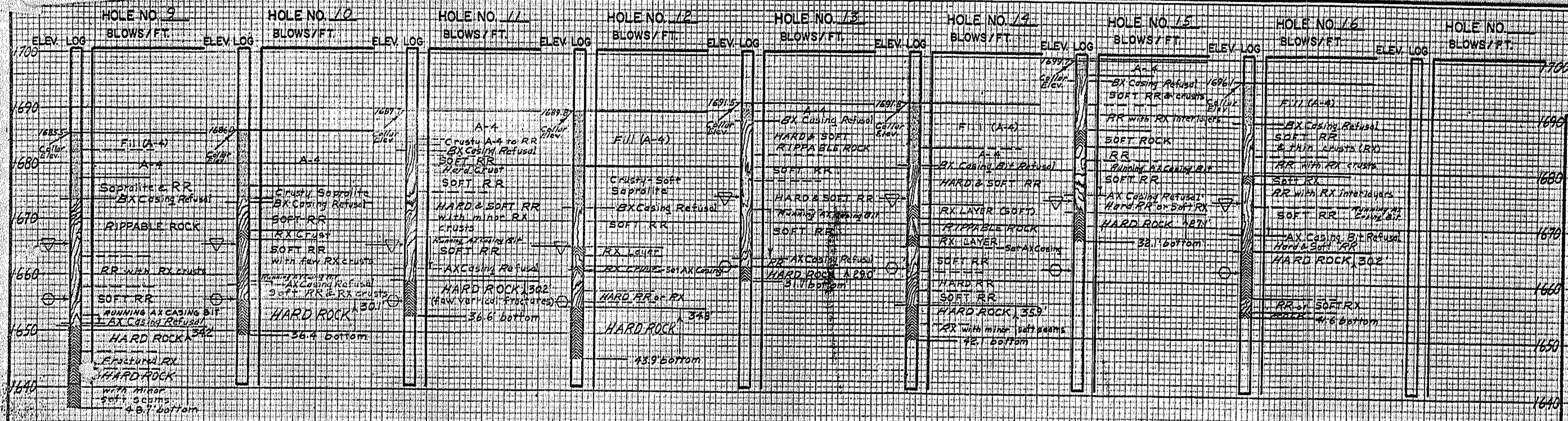
THE LOGS SHOWN ON THIS PROFILE ARE TAKEN FROM FIELD SURVEY DATA AND REPRESENT THE BEST INFORMATION AVAILABLE. FIELD PROCEDURES ARE BASED ON A.S.T.M. AND A.A.S.H.O. STANDARDS WITH BEARING CAPACITIES DERIVED FROM STANDARD PENETRATION TEST: 140 LB. HAMMER, 30 IN. FALL, 2 IN. SAMPLER.

LEGEND - HATCH OF FOOTING ELEVATIONS

▽ EXISTING
○ REVISED



NORTH CAROLINA
STATE HIGHWAY COMMISSION
DEPARTMENT OF LOCATIONS & SURVEYS
GEOLOGICAL DIVISION
BRIDGE FOUNDATION SURVEY
PROJECT 81829201
COUNTY HENDERSON
ROUTE I-26
BRIDGE ON I-26
OVER GREEN RIVER
SCALE HORIZONTAL 1"=10' VERTICAL 1"=10'
SURVEY BY T. A. Sharpe
ANALYSIS & REPORT BY [Signature]
SUBMITTED BY [Signature]



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N. C.	8.1829201	2	
F. A. PROJ. NO.			

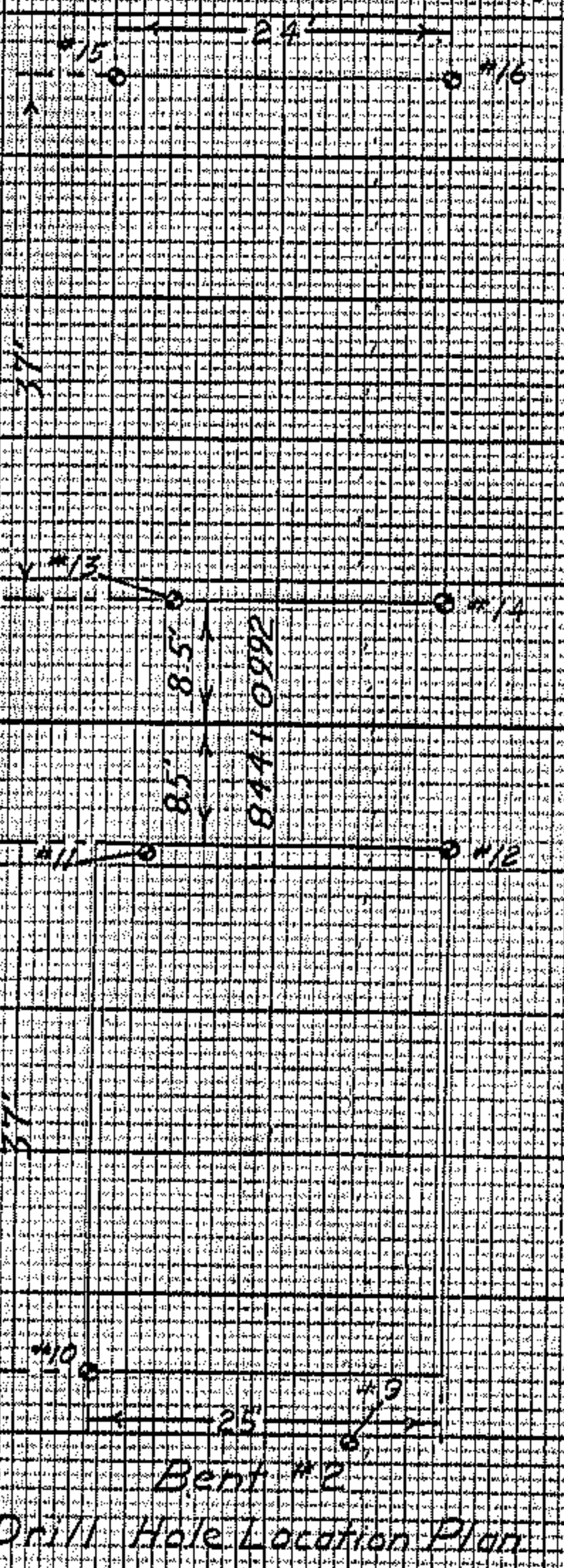
LEGEND

SOIL & ROCK DESCRIPTION & SYMBOLS

[Symbol]	Silty-Sandy Saprolite (A-4)
[Symbol]	Rippable Rock
[Symbol]	RR
[Symbol]	HARD ROCK
[Symbol]	RX

LEGEND - BOTTOM OF FOOTING ELEVATIONS

- ▽ EXISTING
- REVISED



Bent #2
Drill Hole Location Plan

NOTES

THE LOGS SHOWN ON THIS PROFILE ARE TAKEN FROM FIELD SURVEY DATA AND REPRESENT THE BEST INFORMATION AVAILABLE. FIELD PROCEDURES ARE BASED ON A.S.T.M. AND A.S.H.O. STANDARDS WITH BEARING CAPACITIES DERIVED FROM STANDARD PENETRATION TEST, 140 LB. HAMMER, 30 IN. FALL, 2 IN. SAMPLER.

GENERAL

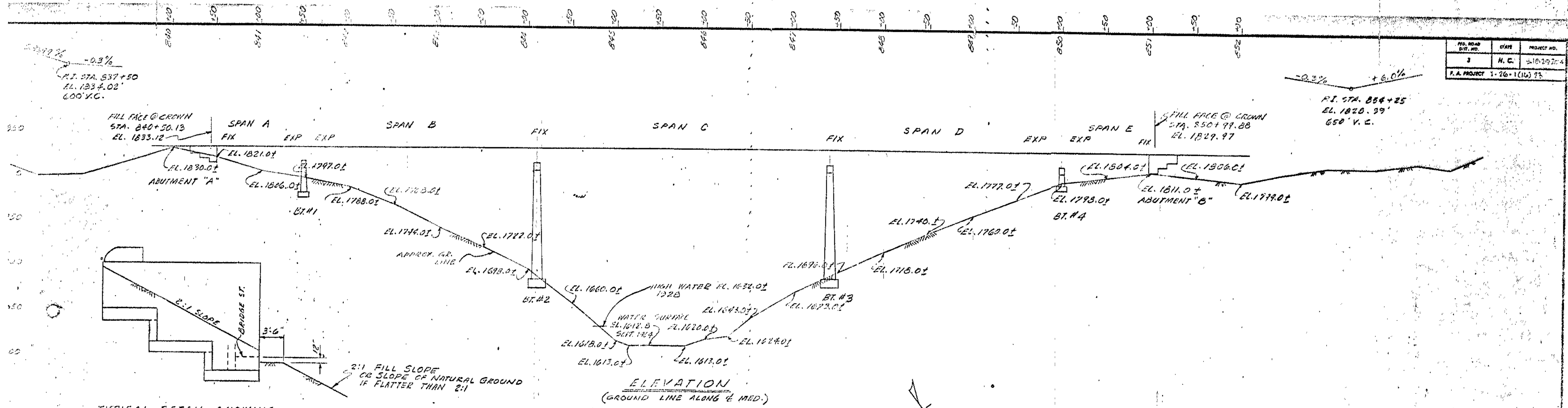
- (1) BX Casing Bit Refusal to Refusal, BX Casing Set
- (2) BX Diamond Bit Ref. Site Limit Below Casing
- (3) AX Casing Bit Ref. Set at Ref. to Refusal
- (4) AX Diamond Bit Ref.

Note: AX Case generally more accurate than BX cases last 2' to 3' showing evidence when bit is blocked, BX Case tendency to chatter especially in soft rock or rock with weak bands or joints.

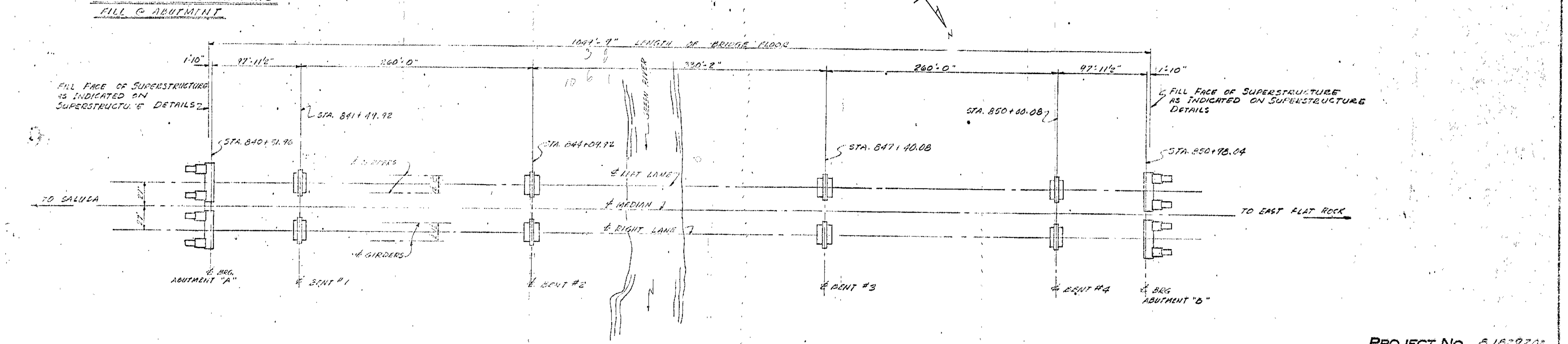
NORTH CAROLINA
STATE HIGHWAY COMMISSION
DEPARTMENT OF LOCATIONS & SURVEYS
GEOLOGICAL DIVISION
BRIDGE FOUNDATION SURVEY

PROJECT 8.1829201
COUNTY HENDERSON
ROUTE I-26
BRIDGE ON I-26
OVER GREEN RIVER

SCALE: HORIZONTAL 1"=10' VERTICAL 1"=10'
SURVEY BY J. L. Sharpe (PARTY CHIEF)
ANALYSIS & REPORT BY (AREA GEOLOGIST)
SUBMITTED BY (STATE HIGHWAY GEOLOGIST)



FED. ROAD DIST. NO.	STATE	PROJECT NO.
3	N. C.	1-26-1(16) 73



NOTE: PILES IN ABUTMENTS ARE NOT SHOWN. FOR PILE SPACING, FOOTING SIZES, ETC., SEE INDIVIDUAL SHEETS.

PROJECT No. 61829202
HENDERSON COUNTY
STATION: 805+25

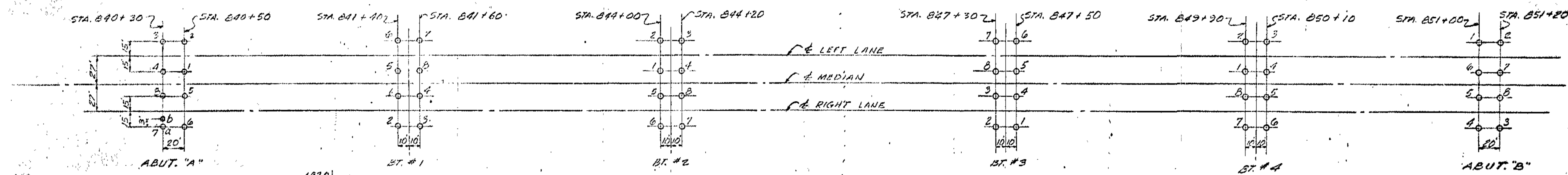
STATE OF NORTH CAROLINA
STATE HIGHWAY COMMISSION
RALEIGH

GENERAL DRAWING
FOR BRIDGE OVER GREEN RIVER ON I-86 FROM SALUDA AND EAST FLAT ROCK
SEPTEMBER 1955

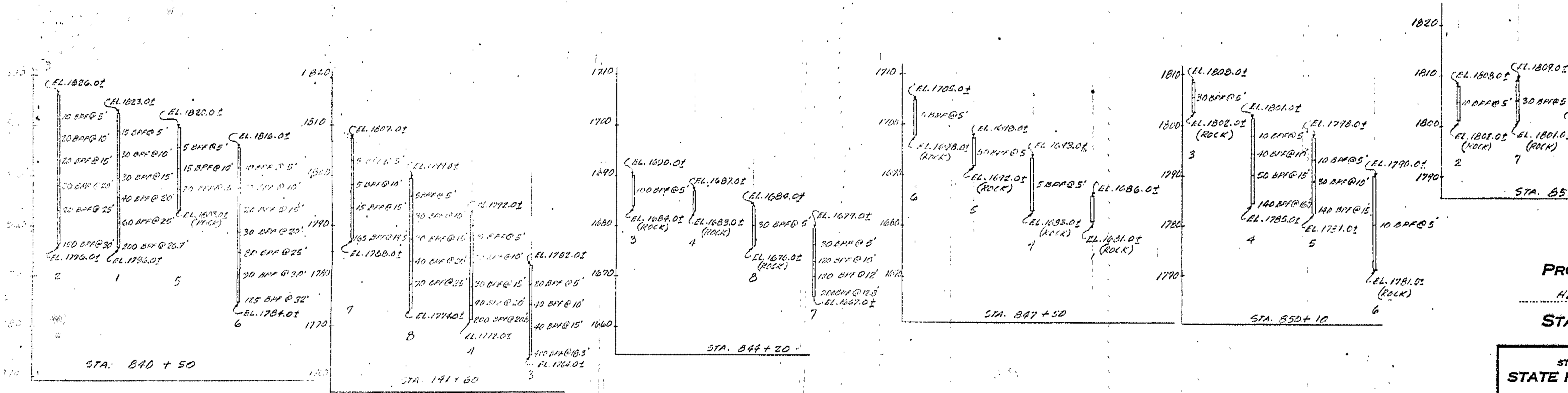
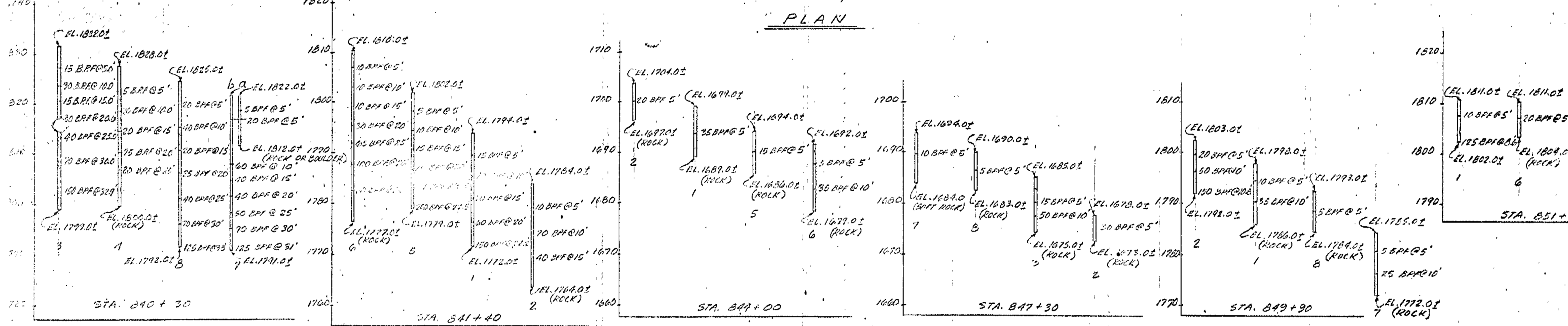
REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	
1			1			85
2			2			

DATE: 10/17/55
DATE: 1/21/56

PROJ. ROAD DIST. NO.	DATE	PROJECT NO.
3	N. C.	8.1829204
P. A. PROJECT 1-26-1965		



PLAN



PROJECT NO. 8.1829204
 HENDERSON COUNTY
 STATION: 845+75

STATE OF NORTH CAROLINA
 STATE HIGHWAY COMMISSION
 DIVISION
 ROAD SOUNDINGS

SEPTEMBER 1965

REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			2		
2			3		

APPROVED BY: E. P. ALFORD, JR. DATE: 8/18/65
 DESIGNED BY: DATE: 8/18/65