

REFERENCE: U-5875

PROJECT: 44677

CONTENTS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2, 2A	LEGEND (SOIL & ROCK), ABBREVIATIONS
3	ROADWAY TITLE SHEET
4-18	PLAN SHEETS
19-22	PAVEMENT INVESTIGATION DATA SHEETS
23-34	DUAL MASS DCP DATA SHEETS
35-46	DUAL MASS DCP RESULT SHEETS
47-49	PAVEMENT CORE PHOTOS
50-53	PAVEMENT CORE EVALUATION SHEETS
54-63	LABORATORY TEST RESULTS

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

ROADWAY
SUBSURFACE INVESTIGATION

COUNTY PITT
PROJECT DESCRIPTION ALLEN ROAD (SR 1203)
ALLEN ROAD FROM STANTONSBURG RD
(SR 1467) TO DICKENSON AVE EXT (US 13)

PAVEMENT AND SUBGRADE INVESTIGATION

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5875	1	63

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.

FIELD PERSONNEL

CG2 EXPLORATION

T. WENNER, P.G.

INVESTIGATED BY CG2, PLLC.

DRAWN BY T. WENNER, P.G.

CHECKED BY M. BREWER, P.E.

SUBMITTED BY CG2, PLLC.

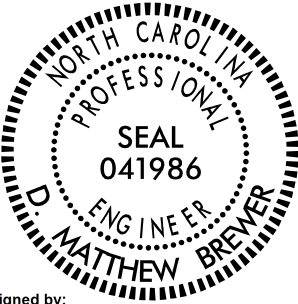
DATE SEPTEMBER 2024

Prepared in the Office of:



CAROLINAS
GEOTECHNICAL
GROUP

2400 CROWNPOINT EXECUTIVE DRIVE
SUITE 800
CHARLOTTE, NC 28227
(980) 339-8684



DocuSigned by:
 10/08/2024
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SIGNATUREDATE

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

GEOTECHNICAL ENGINEERING UNIT

SUBSURFACE INVESTIGATION

SOIL AND ROCK LEGEND, TERMS, SYMBOLS, AND ABBREVIATIONS

SOIL DESCRIPTION

SOIL IS CONSIDERED UNCONSOLIDATED, SEMI-CONSOLIDATED, OR WEATHERED EARTH MATERIALS THAT CAN BE PENETRATED WITH A CONTINUOUS FLIGHT POWER AUGER AND YIELD LESS THAN 100 BLOWS PER FOOT ACCORDING TO THE STANDARD PENETRATION TEST (AASHTO T 206, ASTM D1586). SOIL CLASSIFICATION IS BASED ON THE AASHTO SYSTEM. BASIC DESCRIPTIONS GENERALLY INCLUDE THE FOLLOWING: CONSISTENCY, COLOR, TEXTURE, MOISTURE, AASHTO CLASSIFICATION, AND OTHER PERTINENT FACTORS SUCH AS MINERALOGICAL COMPOSITION, ANGULARITY, STRUCTURE, PLASTICITY, ETC. FOR EXAMPLE, **VERY STIFF, GRAY, SILTY CLAY, MOIST WITH INTERBEDDED FINE SAND LAYERS, HIGHLY PLASTIC, A-7-6**

SOIL LEGEND AND AASHTO CLASSIFICATION

GENERAL CLASS.	GRANULAR MATERIALS (≤ 35% PASSING #200)				SILT-CLAY MATERIALS (> 35% PASSING #200)				ORGANIC MATERIALS		
GROUP CLASS.	A-1	A-3	A-2		A-4	A-5	A-6	A-7	A-1, A-2	A-4, A-5	
SYMBOL											
% PASSING #10 #40 #200	50 MX 30 MX 15 MX	50 MX 25 MX	51 MN 35 MX	35 MX	35 MX	35 MX	36 MN	36 MN	36 MN	36 MN	
MATERIAL PASSING #40 LL PI	— 6 MX		— NP		40 MX 10 MX	41 MN 10 MX	40 MX 11 MN	41 MN 10 MX	41 MN 10 MX	41 MN 11 MN	
GROUP INDEX	0		0		4 MX		8 MX	12 MX	16 MX	NO MX	
USUAL TYPES OF MAJOR MATERIALS	STONE FRAGS. GRAVEL, AND SAND		FINE SAND		SILTY OR CLAYEY GRAVEL AND SAND		SILTY SOILS		CLAYEY SOILS		
GEN. RATING AS SUBGRADE	EXCELLENT TO GOOD				FAIR TO POOR				FAIR TO POOR	POOR	UNSUITABLE

CONSISTENCY OR DENSENESS

PRIMARY SOIL TYPE	COMPACTNESS OR CONSISTENCY	RANGE OF STANDARD PENETRATION RESISTANCE (N-VALUE)	RANGE OF UNCONFINED COMPRESSIVE STRENGTH (TONS/FT ²)
GENERALLY GRANULAR MATERIAL (NON-COHESIVE)	VERY LOOSE LOOSE MEDIUM DENSE DENSE VERY DENSE	< 4 4 TO 10 10 TO 30 30 TO 50 > 50	N/A
GENERALLY SILT-CLAY MATERIAL (COHESIVE)	VERY SOFT SOFT MEDIUM STIFF STIFF VERY STIFF HARD	< 2 2 TO 4 4 TO 8 8 TO 15 15 TO 30 > 30	< 0.25 0.25 TO 0.5 0.5 TO 1.0 1 TO 2 2 TO 4 > 4

TEXTURE OR GRAIN SIZE

U.S. STD. SIEVE SIZE OPENING (MM)	4	10	40	60	200	270
	4.75	2.00	0.42	0.25	0.075	0.053
BOULDER (BLDR.)	COBBLE (COB.)	GRAVEL (GR.)	COARSE SAND (CSE. SD.)	FINE SAND (F. SD.)	SILT (SL.)	CLAY (CL.)

SOIL MOISTURE - CORRELATION OF TERMS

SOIL MOISTURE SCALE (ATTERBERG LIMITS)	FIELD MOISTURE DESCRIPTION	GUIDE FOR FIELD MOISTURE DESCRIPTION
LL LI PL PLASTIC RANGE (PI)	- SATURATED - (SAT.)	USUALLY LIQUID; VERY WET, USUALLY FROM BELOW THE GROUND WATER TABLE
	- WET - (W)	SEMISOLID; REQUIRES DRYING TO ATTAIN OPTIMUM MOISTURE
	- MOIST - (M)	SOLID; AT OR NEAR OPTIMUM MOISTURE
OM SL OPTIMUM MOISTURE SHRINKAGE LIMIT	- DRY - (D)	REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE

PLASTICITY

	PLASTICITY INDEX (PI)	DRY STRENGTH
NON PLASTIC	0-5	VERY LOW
SLIGHTLY PLASTIC	6-15	SLIGHT
MODERATELY PLASTIC	16-25	MEDIUM
HIGHLY PLASTIC	26 OR MORE	HIGH

COLOR

DESCRIPTIONS MAY INCLUDE COLOR OR COLOR COMBINATIONS (TAN, RED, YELLOW-BROWN, BLUE-GRAY). MODIFIERS SUCH AS LIGHT, DARK, STREAKED, ETC. ARE USED TO DESCRIBE APPEARANCE.

GRADATION

WELL GRADED - INDICATES A GOOD REPRESENTATION OF PARTICLE SIZES FROM FINE TO COARSE. UNIFORMLY GRADED - INDICATES THAT SOIL PARTICLES ARE ALL APPROXIMATELY THE SAME SIZE. GAP-GRADED - INDICATES A MIXTURE OF UNIFORM PARTICLE SIZES OF TWO OR MORE SIZES.

ANGULARITY OF GRAINS

THE ANGULARITY OR ROUNDNESS OF SOIL GRAINS IS DESIGNATED BY THE TERMS: ANGULAR, SUBANGULAR, SUBROUNDED, OR ROUNDED.

MINERALOGICAL COMPOSITION

MINERAL NAMES SUCH AS QUARTZ, FELDSPAR, MICA, TALC, KAOLIN, ETC. ARE USED IN DESCRIPTIONS WHEN THEY ARE CONSIDERED OF SIGNIFICANCE.

COMPRESSIBILITY

SLIGHTLY COMPRESSIBLE
MODERATELY COMPRESSIBLE
HIGHLY COMPRESSIBLE

LL < 31
LL = 31 - 50
LL > 50

PERCENTAGE OF MATERIAL

ORGANIC MATERIAL	GRANULAR SOILS	SILT - CLAY SOILS	OTHER MATERIAL
TRACE OF ORGANIC MATTER	2 - 3%	3 - 5%	TRACE
LITTLE ORGANIC MATTER	3 - 5%	5 - 12%	LITTLE
MODERATELY ORGANIC	5 - 10%	12 - 20%	SOME
HIGHLY ORGANIC	> 10%	> 20%	HIGHLY

GROUND WATER

WATER LEVEL IN BORE HOLE IMMEDIATELY AFTER DRILLING

STATIC WATER LEVEL AFTER 24 HOURS

PERCHED WATER, SATURATED ZONE, OR WATER BEARING STRATA

SPRING OR SEEP

MISCELLANEOUS SYMBOLS

ROADWAY EMBANKMENT (RE) WITH SOIL DESCRIPTION

SOIL SYMBOL

ARTIFICIAL FILL (AF) OTHER THAN ROADWAY EMBANKMENT

INFERRED SOIL BOUNDARY

INFERRED ROCK LINE

ALLUVIAL SOIL BOUNDARY

DIP & DIP DIRECTION OF ROCK STRUCTURES

TEST BORING

AUGER BORING

CORE BORING

MONITORING WELL

PIEZOMETER INSTALLATION

SLOPE INDICATOR INSTALLATION

CONE PENETROMETER TEST

SOUNDING ROD

TEST BORING WITH CORE

SPT N-VALUE

RECOMMENDATION SYMBOLS

UNDERCUT

SHALLOW UNDERCUT

UNCLASSIFIED EXCAVATION - UNSUITABLE WASTE

UNCLASSIFIED EXCAVATION - ACCEPTABLE DEGRADABLE ROCK

UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE USED IN THE TOP 3 FEET OF EMBANKMENT OR BACKFILL

ABBREVIATIONS

AR - AUGER REFUSAL
BT - BORING TERMINATED
CL - CLAY
CPT - CONE PENETRATION TEST
CSE. - COARSE
DMT - DILATOMETER TEST
DPT - DYNAMIC PENETRATION TEST
e - VOID RATIO
F - FINE
FOSS. - FOSSILIFEROUS
FRAC. - FRACTURED, FRACTURES
FRAGS. - FRAGMENTS
HL - HIGHLY

MED. - MEDIUM
MICA. - MICACEOUS
MOD. - MODERATELY
NP - NON PLASTIC
ORG. - ORGANIC
PMT - PRESSUREMETER TEST
SAP. - SAPROLITIC
SD. - SAND, SANDY
SL. - SILT, SILTY
SLI. - SLIGHTLY
TCR - TRICONE REFUSAL
w - MOISTURE CONTENT
V - VERY

VST - VANE SHEAR TEST
WEA. - WEATHERED
γ - UNIT WEIGHT
γ_d - DRY UNIT WEIGHT

SAMPLE ABBREVIATIONS

S - BULK
SS - SPLIT SPOON
ST - SHELBY TUBE
RS - ROCK
RT - RECOMPACTED TRIAXIAL
CBR - CALIFORNIA BEARING RATIO

EQUIPMENT USED ON SUBJECT PROJECT

DRILL UNITS:

☐ CME-45C

☐ CME-55

☐ CME-550X

☐ VANE SHEAR TEST

☐ PORTABLE MOIST

☒ MOBILE B-29

☐

ADVANCING TOOLS:

☐ CLAY BITS

☐ 6" CONTINUOUS FLIGHT AUGER

☒ 4" SOLID STEM AUGERS

☐ HARD FACED FINGER BITS

☐ TUNG.-CARBIDE INSERTS

☐ CASING ☐ W/ ADVANCER

☐ TRICONE _____ ' STEEL TEETH

☐ TRICONE _____ ' TUNG.-CARB.

☒ CORE BIT (4-INCH DIAMETER)

☐

HAMMER TYPE:

☐ AUTOMATIC ☐ MANUAL

CORE SIZE:

☐ -B _____

☐ -N _____

HAND TOOLS:

☐ POST HOLE DIGGER

☐ HAND AUGER

☐ SOUNDING ROD

☐ VANE SHEAR TEST

☒ DUAL MASS DCP

ROCK DESCRIPTION

HARD ROCK IS NON-COASTAL PLAIN MATERIAL THAT WOULD YIELD SPT REFUSAL IF TESTED

Tip No. U-5875| WBS No. 44677.3.1| Pitt County

ABBREVIATIONS

RT LN = Right Lane	CR = Crown
LT LN = Left Lane	S = Super
OSL = Outside Lane	C = Cut
ISL = Inside Lane	F = Fill
OSML = Outside Mid-Lane	DCP = Dynamic Cone Penetrometer
ISML = Inside Mid-Lane	M = Moist
PS = Paved Shoulder	W = Wet
LTL = Left Turn Lane	N/A = Not Observed
RTL = Right Turn Lane	NSR = No Sample Recovered
MID = Middle Lane	S- = Soil Grab Sample
CTL = Center Turn Lane	Ref- = Soil Reference Sample
ISWP = Inside Wheel Path	SS- = Split Spoon Sample
OSWP = Outside Wheel Path	RE = Roadway Embankment
PS = Paved Shoulder	F. = Fine
FW = From White Line	Cse. = Coarse
FY = From Yellow Line	ABC = Aggregate Base Course
RT = Right	STBC = Soil Type Base Course
LT = Left	CSS = Cement Stabilized Subgrade
(I) = Inside	SG = Subgrade
(O) = Outside	AF= Artificial Fill
BOC = Back of Curb	FDR = Full Depth Reclamation
C&G = Curb and Gutter	HP = Highly Plastic
EOP = Edge of Pavement	MP = Moderately Plastic
FR = From	SAA = Same as Above
DB = Decorative Brick	UDCP = Undivided Coastal Plain Soil
SA = Sand Asphalt	FEA = Flattened & Elongated Aggregate

***THIS SHEET LEFT INTENTIONALLY BLANK AS A PLACEHOLDER
UNTIL A ROADWAY TITLESHEET BECOMES AVAILABLE***



C-3 -L- STA. 17+52	
RTL (RT) 9.0 FT LT EOP	
PAVEMENT SECTION	
ASPHALT	8.50 in
ABC	8.50 in

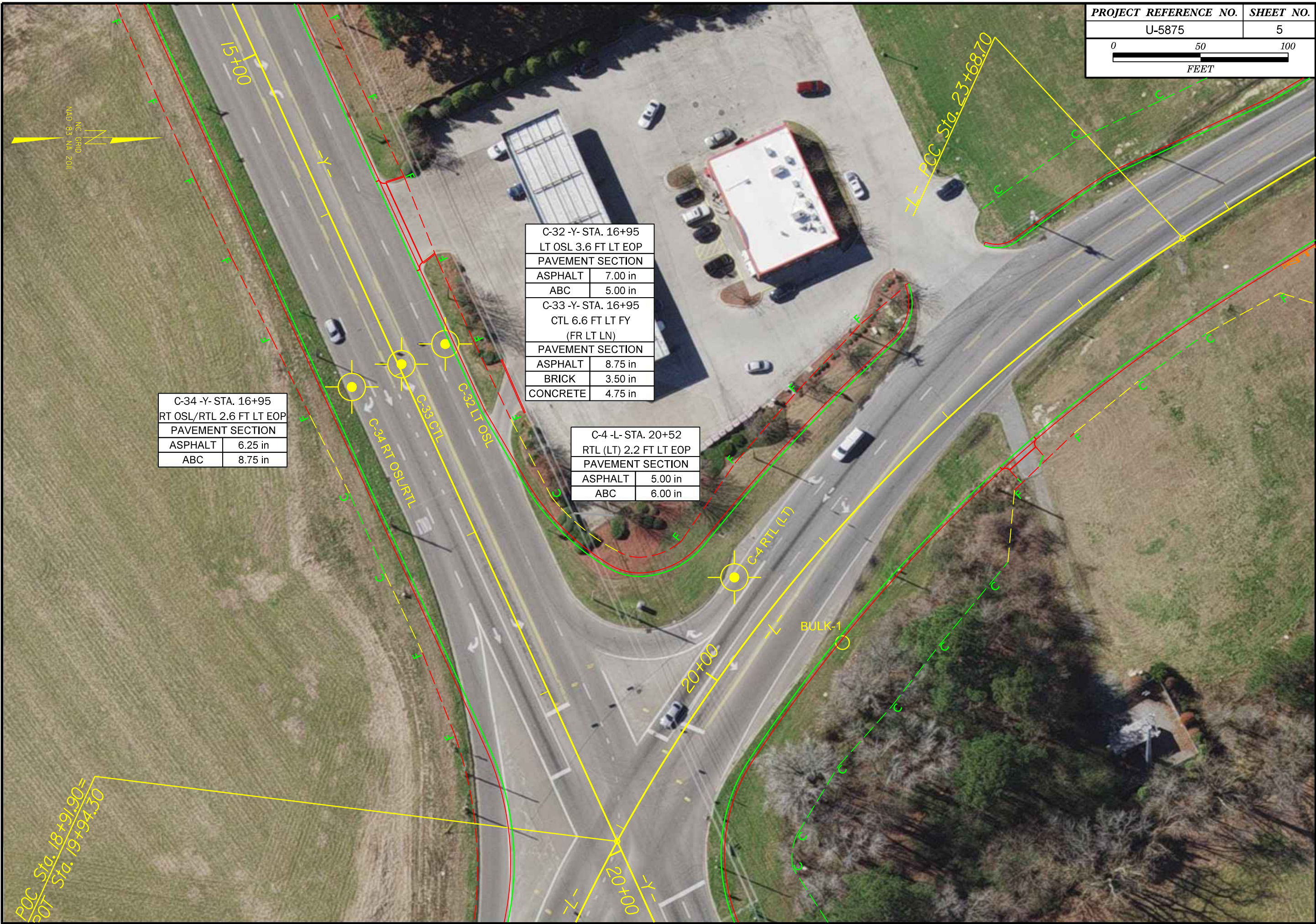
C-35 -Y- STA. 21+59	
RT OSL 7.0 FT LT FW	
PAVEMENT SECTION	
ASPHALT	5.75 in
ABC	13.25 in

C-1 -L- STA. 15+20	
LT OSL 1.4 FT LT EOP	
PAVEMENT SECTION	
ASPHALT	5.75 in
ABC	9.00 in

C-2 -L- STA. 15+67	
RT OSL 1.7 FT LT EOP	
PAVEMENT SECTION	
ASPHALT	5.75 in
ABC	9.00 in

C-36 -Y- STA. 25+55	
LT LN (O) 1.0 FT LT FW	
PAVEMENT SECTION	
ASPHALT	12.50 in
C-37 -Y- STA. 25+55	
LT LN (I) 4.5 FT LT FW	
PAVEMENT SECTION	
ASPHALT	11.00 in

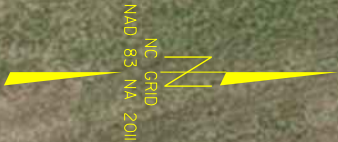
C-38 -Y- STA. 25+55	
RT LN 0.6 FT LT FW	
PAVEMENT SECTION	
ASPHALT	13.25 in



C-34 -Y- STA. 16+95	
RT OSL/RTL 2.6 FT LT EOP	
PAVEMENT SECTION	
ASPHALT	6.25 in
ABC	8.75 in

C-32 -Y- STA. 16+95	
LT OSL 3.6 FT LT EOP	
PAVEMENT SECTION	
ASPHALT	7.00 in
ABC	5.00 in
C-33 -Y- STA. 16+95	
CTL 6.6 FT LT FY (FR LT LN)	
PAVEMENT SECTION	
ASPHALT	8.75 in
BRICK	3.50 in
CONCRETE	4.75 in

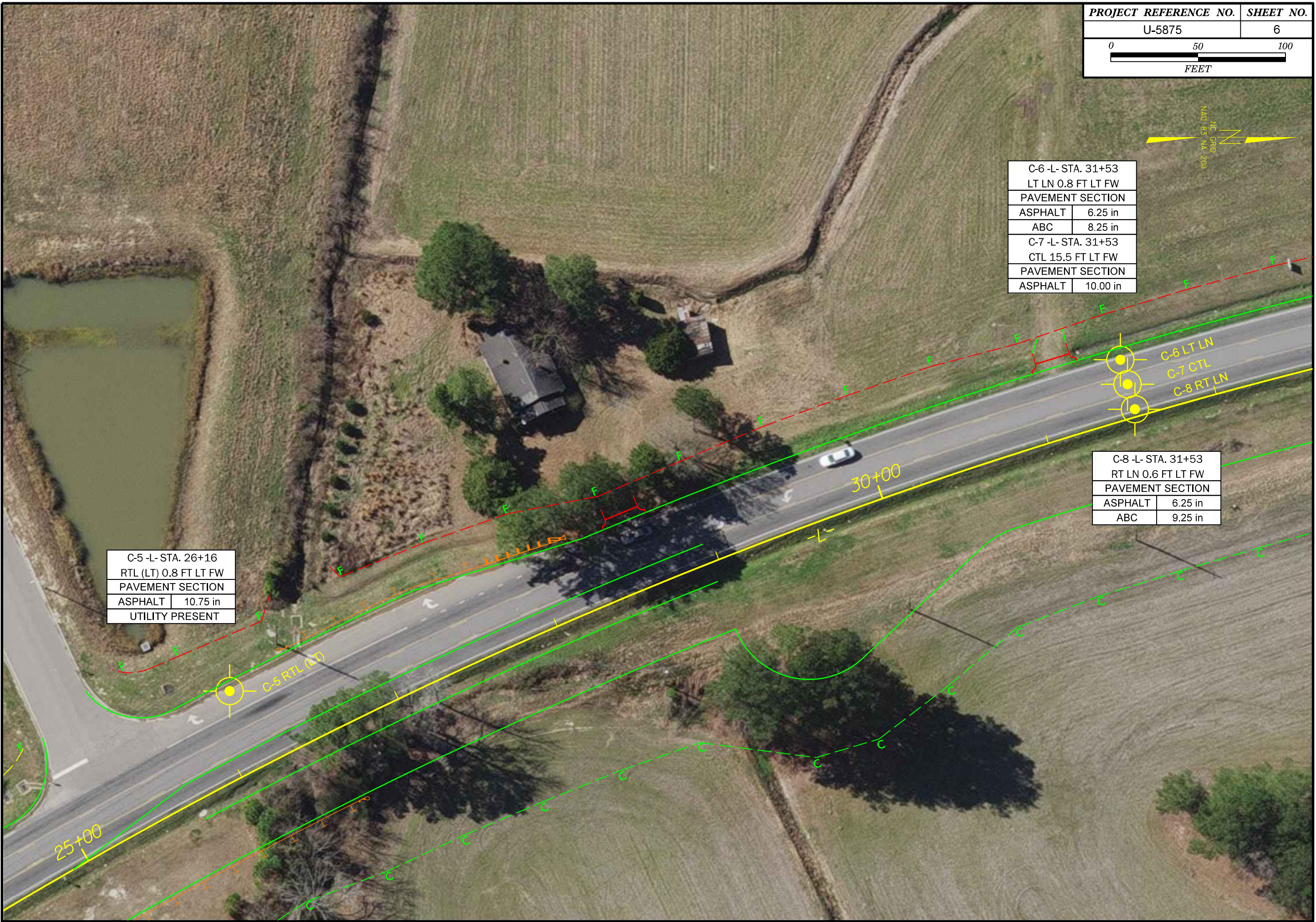
C-4 -L- STA. 20+52	
RTL (LT) 2.2 FT LT EOP	
PAVEMENT SECTION	
ASPHALT	5.00 in
ABC	6.00 in

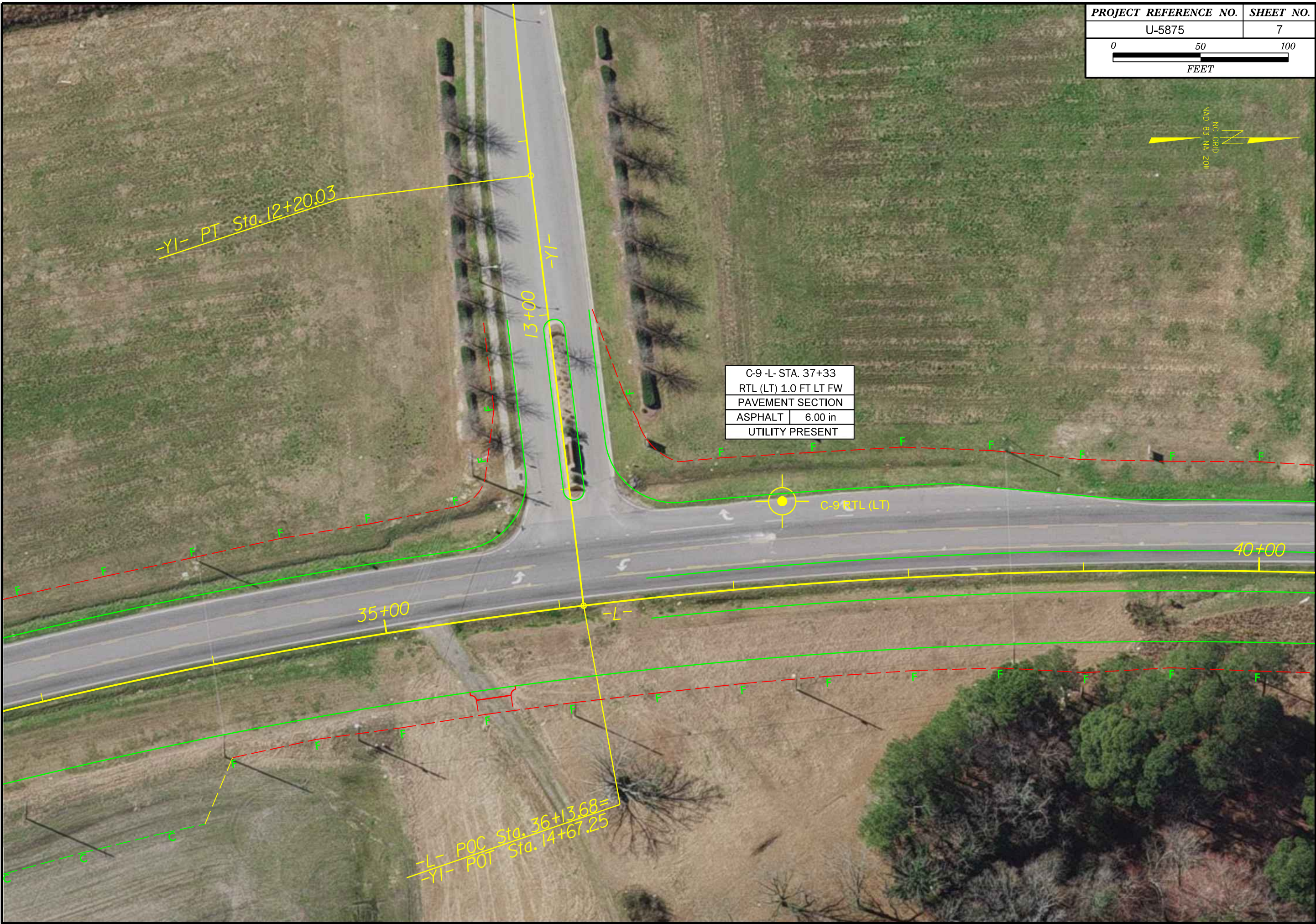


C-6 -L- STA. 31+53	
LT LN 0.8 FT LT FW	
PAVEMENT SECTION	
ASPHALT	6.25 in
ABC	8.25 in
C-7 -L- STA. 31+53	
CTL 15.5 FT LT FW	
PAVEMENT SECTION	
ASPHALT	10.00 in

C-8 -L- STA. 31+53	
RT LN 0.6 FT LT FW	
PAVEMENT SECTION	
ASPHALT	6.25 in
ABC	9.25 in

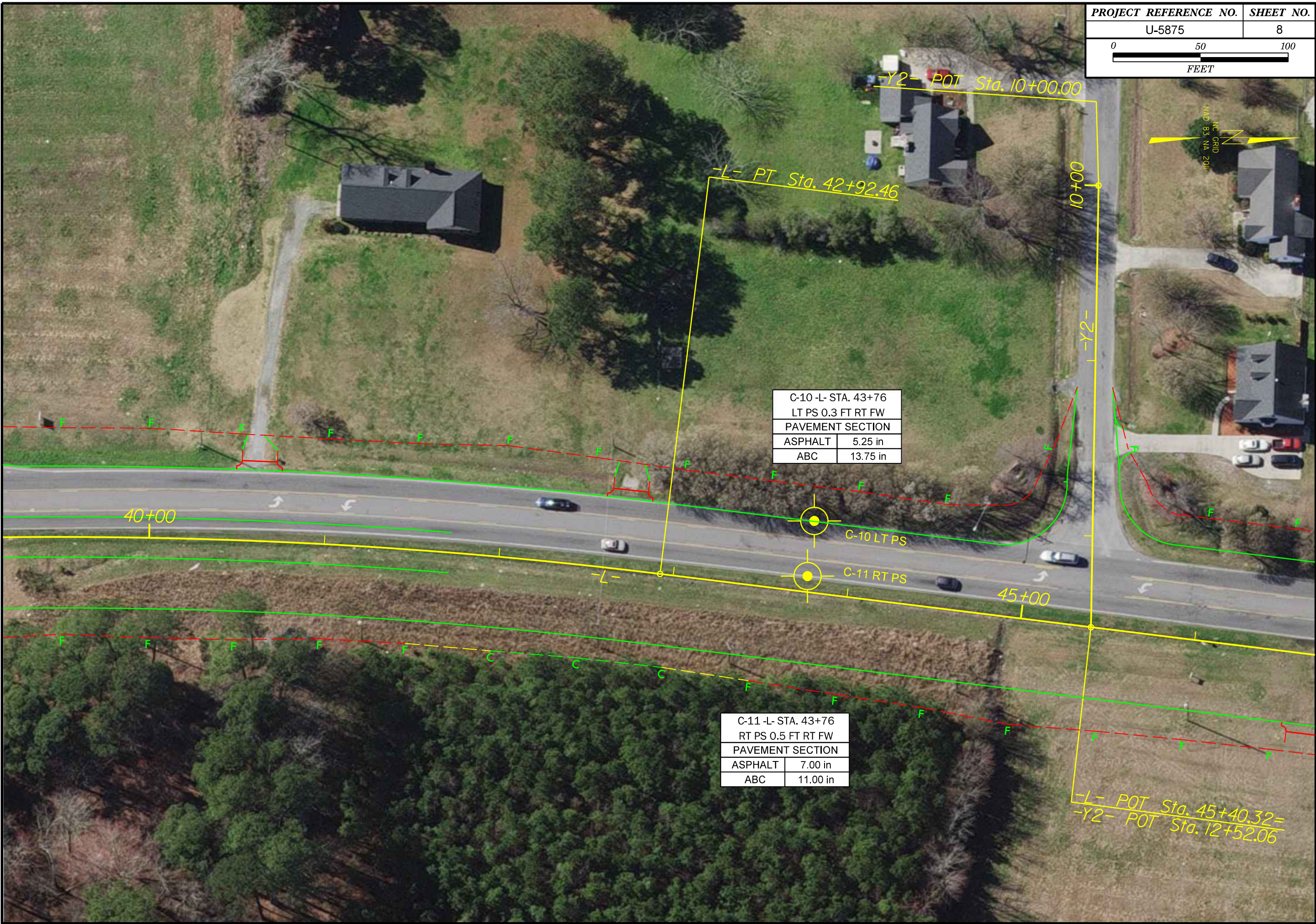
C-5 -L- STA. 26+16	
RTL (LT) 0.8 FT LT FW	
PAVEMENT SECTION	
ASPHALT	10.75 in
UTILITY PRESENT	





C-9-L-STA. 37+33	
RTL (LT) 1.0 FT LT FW	
PAVEMENT SECTION	
ASPHALT	6.00 in
UTILITY PRESENT	

NAD 83 NA 2011





C-12 -L- STA. 56+23	
LT LN 1.2 FT LT FW	
PAVEMENT SECTION	
ASPHALT	4.75 in
ABC	9.25 in
C-13 -L- STA. 56+23	
CTL 16.0 FT LT FW	
PAVEMENT SECTION	
ASPHALT	6.25 in

C-14 -L- STA. 56+23	
RT LN 1.3 FT LT FW	
PAVEMENT SECTION	
ASPHALT	6.00 in
ABC	7.00 in

BULK-2

-L- PC Sta. 59+49.18

55+00

60+00



C-15 -L- STA. 75+87		C-16 -L- STA. 75+87	
LT PS 2.8 FT RT FW		LT LN 3.0 FT LT FW	
PAVEMENT SECTION		PAVEMENT SECTION	
ASPHALT	9.50 in	ASPHALT	7.75 in

C-17 -L- STA. 75+87	
CTL 16.0 FT LT FW	
PAVEMENT SECTION	
ASPHALT	12.75 in

C-18 -L- STA. 75+87	
RT LN 1.8 FT LT FW	
PAVEMENT SECTION	
ASPHALT	6.50 in
ABC	13.50 in

C-19 -L- STA. 75+87	
RT PS 2.2 FT RT FW	
PAVEMENT SECTION	
ASPHALT	6.25 in
ABC	14.75 in

C-15 LT PS
C-16 LT LN
C-17 CTL
C-18 RT LN
C-19 RT PS

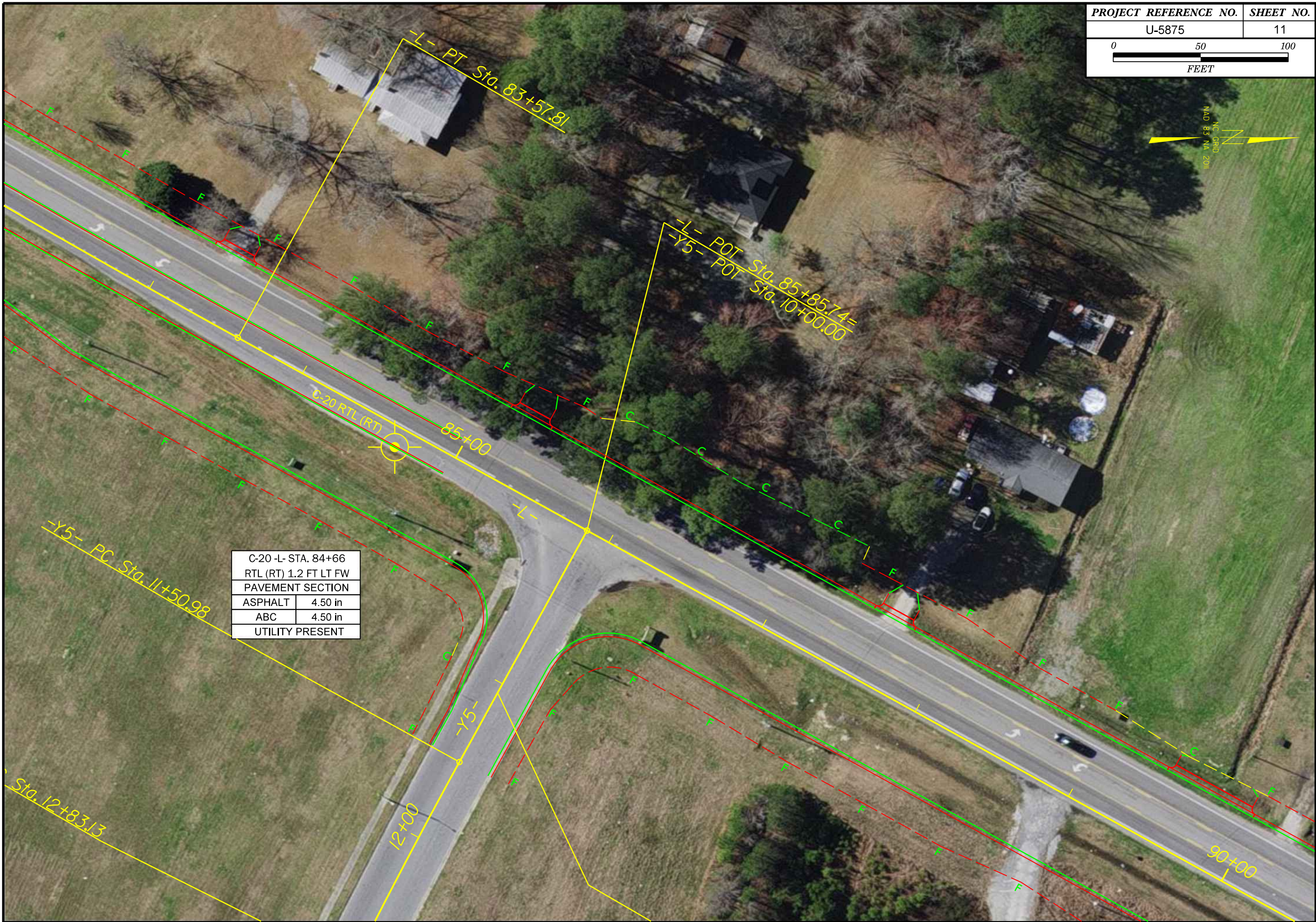
LT PC Sta. 76+55.32

80+00

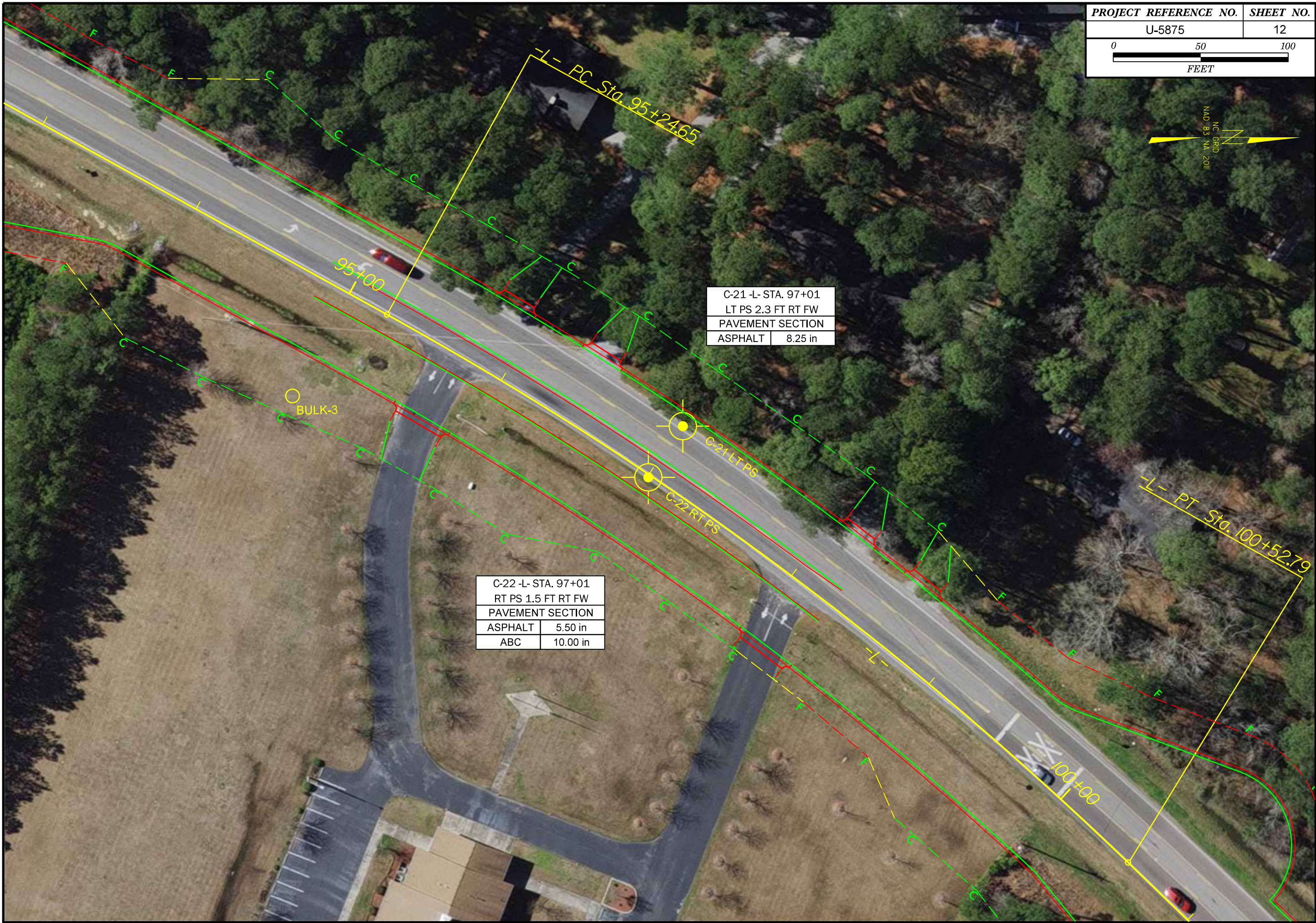
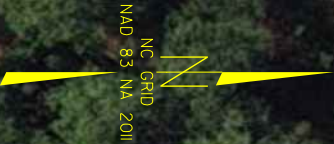
75+00

-L-

NC GRID
NAD 83 N.A. 2011



C-20 -L- STA. 84+66	
RTL (RT) 1.2 FT LT FW	
PAVEMENT SECTION	
ASPHALT	4.50 in
ABC	4.50 in
UTILITY PRESENT	

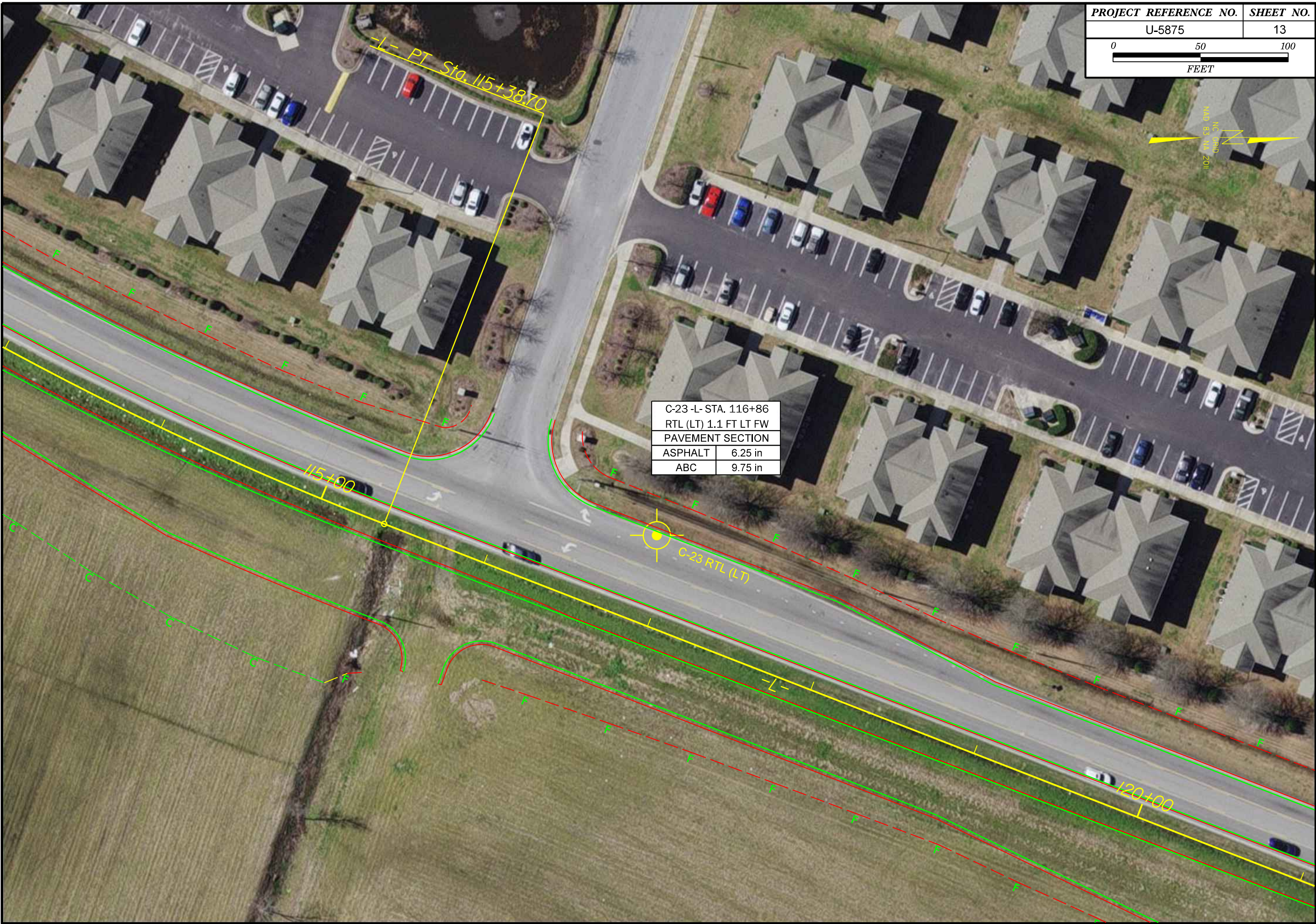


C-21 -L- STA. 97+01	
LT PS 2.3 FT RT FW	
PAVEMENT SECTION	
ASPHALT	8.25 in

C-22 -L- STA. 97+01	
RT PS 1.5 FT RT FW	
PAVEMENT SECTION	
ASPHALT	5.50 in
ABC	10.00 in

INC. 03/03/2011
HALL 8.3.14.2011

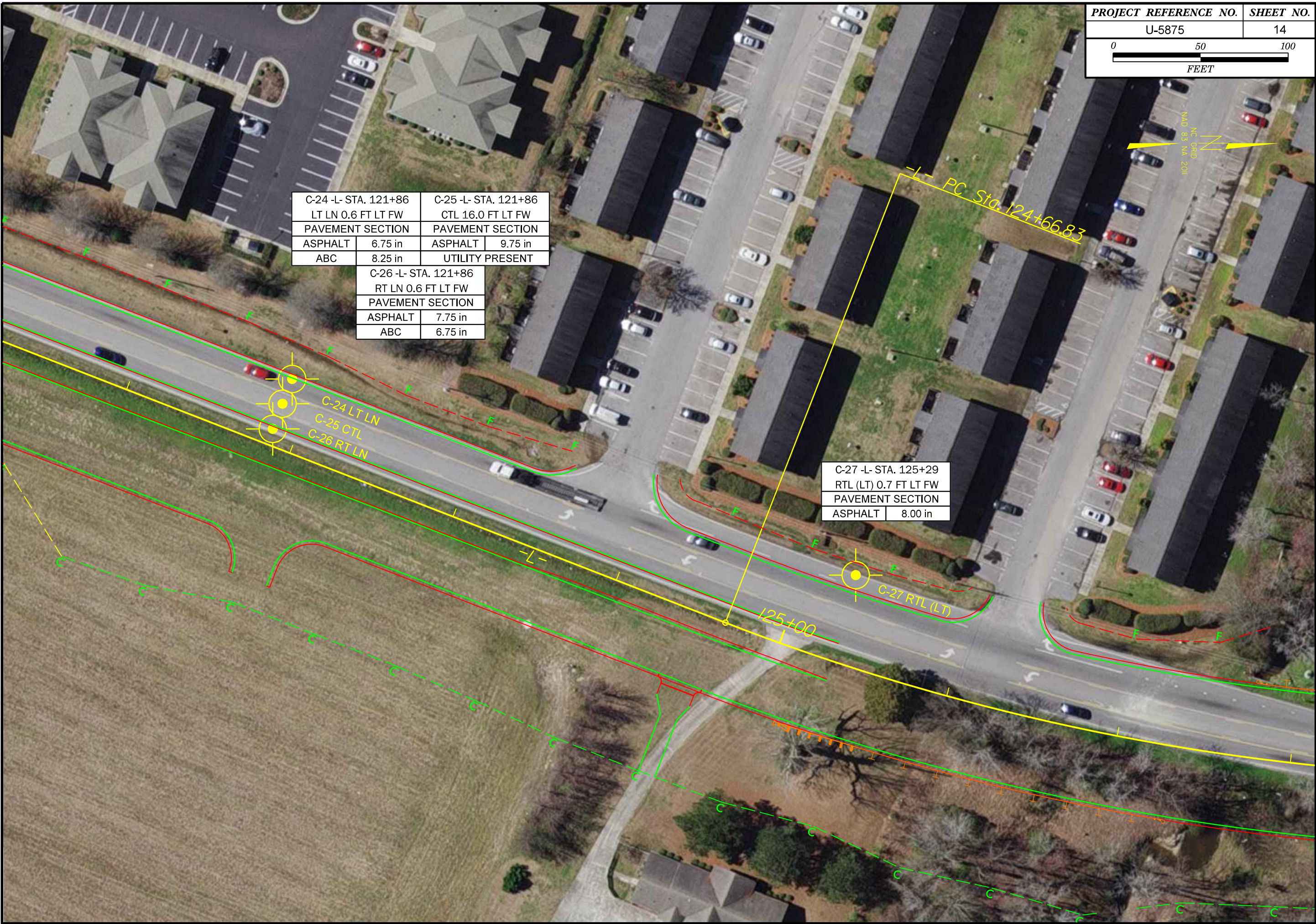
C-23 -L- STA. 116+86	
RTL (LT) 1.1 FT LT FW	
PAVEMENT SECTION	
ASPHALT	6.25 in
ABC	9.75 in



C-24 -L- STA. 121+86		C-25 -L- STA. 121+86	
LT LN 0.6 FT LT FW		CTL 16.0 FT LT FW	
PAVEMENT SECTION		PAVEMENT SECTION	
ASPHALT	6.75 in	ASPHALT	9.75 in
ABC	8.25 in	UTILITY PRESENT	

C-26 -L- STA. 121+86	
RT LN 0.6 FT LT FW	
PAVEMENT SECTION	
ASPHALT	7.75 in
ABC	6.75 in

C-27 -L- STA. 125+29	
RTL (LT) 0.7 FT LT FW	
PAVEMENT SECTION	
ASPHALT	8.00 in

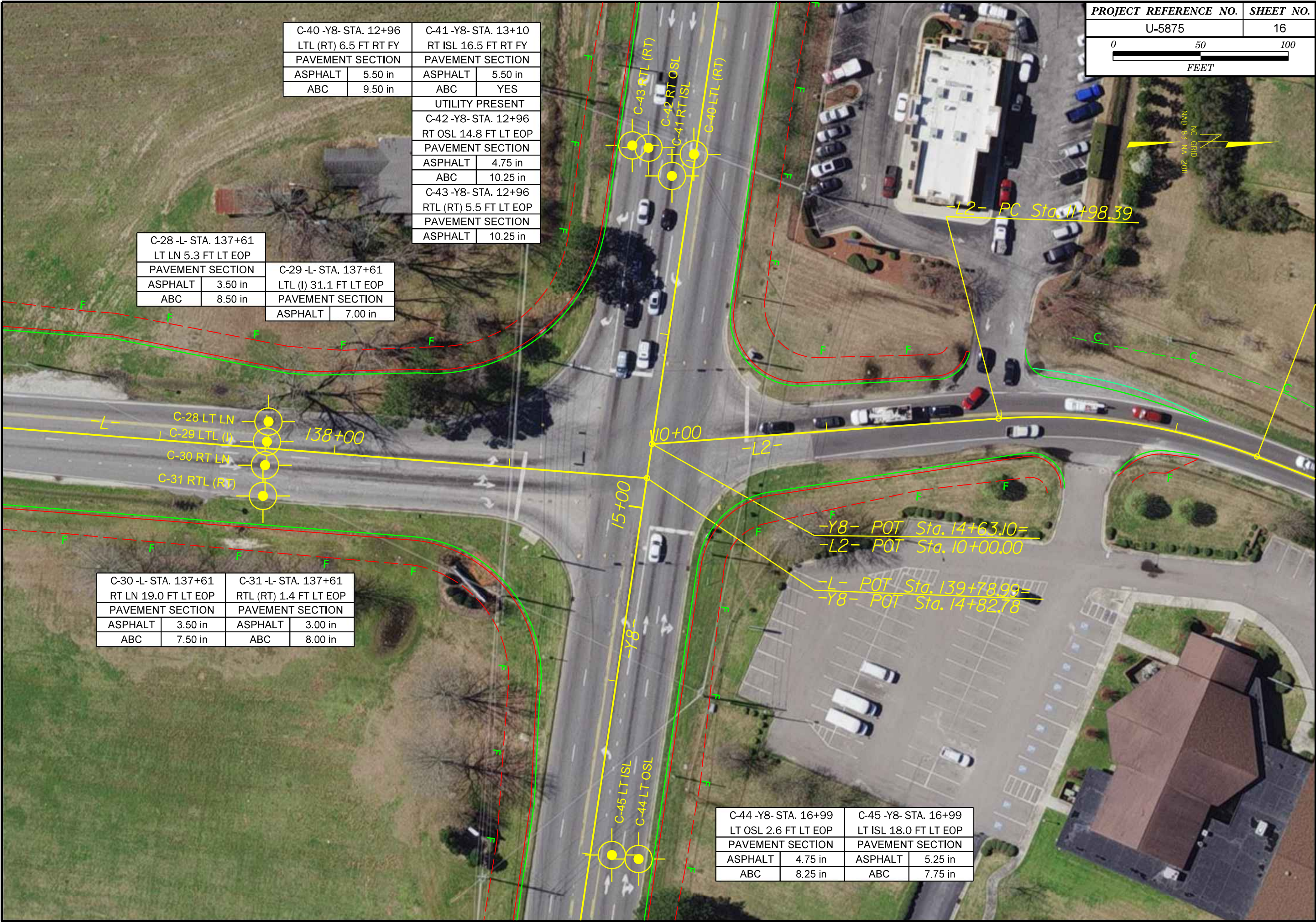


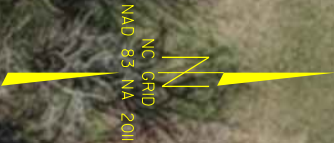


C-40 -Y8- STA. 12+96		C-41 -Y8- STA. 13+10	
LTL (RT) 6.5 FT RT FY		RT ISL 16.5 FT RT FY	
PAVEMENT SECTION		PAVEMENT SECTION	
ASPHALT	5.50 in	ASPHALT	5.50 in
ABC	9.50 in	ABC	YES
		UTILITY PRESENT	
		C-42 -Y8- STA. 12+96	
		RT OSL 14.8 FT LT EOP	
		PAVEMENT SECTION	
ASPHALT	4.75 in		
ABC	10.25 in		
		C-43 -Y8- STA. 12+96	
		RTL (RT) 5.5 FT LT EOP	
		PAVEMENT SECTION	
ASPHALT	10.25 in		

C-28 -L- STA. 137+61		C-29 -L- STA. 137+61	
LT LN 5.3 FT LT EOP		LTL (I) 31.1 FT LT EOP	
PAVEMENT SECTION		PAVEMENT SECTION	
ASPHALT	3.50 in		
ABC	8.50 in		
		C-30 -L- STA. 137+61	
		RTL LN 19.0 FT LT EOP	
		PAVEMENT SECTION	
ASPHALT	3.50 in		
ABC	7.50 in		
		C-31 -L- STA. 137+61	
		RTL (RT) 1.4 FT LT EOP	
		PAVEMENT SECTION	
ASPHALT	3.00 in		
ABC	8.00 in		

C-44 -Y8- STA. 16+99		C-45 -Y8- STA. 16+99	
LT OSL 2.6 FT LT EOP		LT ISL 18.0 FT LT EOP	
PAVEMENT SECTION		PAVEMENT SECTION	
ASPHALT	4.75 in	ASPHALT	5.25 in
ABC	8.25 in	ABC	7.75 in





C-46 -Y8- STA. 22+73	
RT OSL 2.5 FT LT EOP	
PAVEMENT SECTION	
ASPHALT	5.25 in
ABC	7.25 in



-Y8-

-Y8- PC Sta. 24+32.62

20+00

25+00

PAVEMENT INVESTIGATION DATA SHEET

Project:	44677.3.1
TIP:	U-5875

Route:	Allen Road (SR 1203) Allen Road from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
County:	Pitt

Date Performed:	8/19 thru 8/21 (2 Nights)
Field Personnel:	T. Wenner, CG2 Exploration

		Width (ft)		(ft)	(in)	Thickness (in)						Subgrade							GPS Coordinates	
Test Location	Cut/Fill (Est. of Amount) (ft)	Lane	Shoulder	Offset Distance (See Notes)	Crown "Cr" or Super "S"	Gross to Top of Soil	Asphalt	ABC	Stabilized Subgrade	Concrete	Pavement Layering	Description (Depth - ft)	Soil Sample Number	AASHTO Classification	Soil Moisture	Boring Depth (ft)	Asphalt Notes	Northing	Easting	
C-1 -L- Sta. 15+20 LT OSL	4.0 Fill	14.0	3.0 Concrete Curb & Gutter	1.4 LT EOP	Cr	14.75	5.75	9.00			Asphalt ABC SG	1.2-4.0: RE - Gray-Tan, Silty Fine to Coarse SAND 4.0-5.0: UDCP - Gray-Tan, Fine Sandy SILT	S-1 Ref-6	A-2-4 A-4	M M	5.0	Low to Moderate Severity Longitudinal and Transverse Cracking, Wash boarding (RT & LT ISL)	668,472	2,466,805	
C-2 -L- Sta. 15+67 RT OSL	5.0 Fill	14.0	3.0 Concrete Curb & Gutter	1.7 LT EOP	Cr	14.75	5.75	9.00			Asphalt ABC SG	1.2-5.0: RE - Gray, Silty Fine to Coarse SAND	S-2	A-2-4	M	5.0	Low to Moderate Severity Longitudinal and Transverse Cracking, Wash boarding (RT & LT ISL) 1.25 Inch Top Down Crack in Core	668,543	2,466,770	
C-3 -L- Sta. 17+52 RTL (RT)	At Grade	15.0	3.0 Concrete Curb & Gutter	9.0 LT EOP	Cr	17.00	8.50	8.50			Asphalt ABC SG	1.4-5.0: UDCP - Gray, Fine Sandy SILT, organic odor, saturated at 3.5 feet	S-3	A-4(0)	M-S	5.0	Low to Moderate Severity Longitudinal and Transverse Cracking	668,593	2,466,599	
C-4 -L- Sta. 20+52 RTL (LT)	3.5 Fill	10.0	3.0 PS & 3.0 Concrete Curb & Gutter	2.2 LT EOP	Cr	11.00	5.00	6.00			Asphalt ABC SG	0.9-3.5: RE - Silty Fine to Coarse SAND 3.5-5.0: UDCP - Gray-Tan, Fine Sandy SILT	S-4 Ref-6	A-2-4 A-4	M M	5.0	Moderate to High Severity Longitudinal and Transverse Cracking 2 Inch Top Down Crack in Core	668,682	2,466,308	
C-5 -L- Sta. 26+16 RTL (LT)	At Grade	13.0	3.0 Concrete Curb & Gutter	0.8 LT FW	Cr	10.75	10.75				Asphalt SG	UDCP - Gray-Tan, Fine Sandy SILT DCP not performed to full depth, no auger performed due to utility	Ref-6	A-4	M	-	No Distress Observed	669,131	2,465,950	
C-6 -L- Sta. 31+53 LT LN	At Grade	10.0	1.0 PS	0.8 LT FW	Cr	14.50	6.25	8.25			Asphalt ABC SG	1.2-5.0: UDCP - Gray-Tan, Fine to Coarse Sandy CLAY	S-6	A-4(0)	M	5.0	Low to Moderate Severity Transverse Cracking 4.5 Inch Top Down Crack in Core	669,641	2,465,760	
C-7 -L- Sta. 31+53 CTL	At Grade	12.0	-	15.5 LT FW	Cr	10.00	10.00				Asphalt SG	0.8-5.0: UDCP - Gray, Fine Sandy SILT, organic odor and staining	S-7	A-4(0)	W	5.0	Low to Moderate Severity Transverse Cracking 8.0 Inch Top Down Crack in Core, Asphalt Thickness Measured from Borehole	669,645	2,465,774	
C-8 -L- Sta. 31+53 RT LN	At Grade	10.0	1.0 PS	0.6 LT FW	Cr	15.50	6.25	9.25			Asphalt ABC SG	1.3-5.0: UDCP - Tan-Gray, Fine Sandy CLAY	S-8	A-6(2)	M	5.0	No Distress Observed	669,649	2,465,789	
C-9 -L- Sta. 37+33 RTL (LT)	At Grade	12.0	-	1.0 LT FW	Cr	6.00	6.00				Asphalt SG	UDCP, Gray-Tan, Fine Sandy SILT DCP not performed to full depth, no auger performed due to utility	Ref-10	A-4	M	-	No Distress Observed	670,215	2,465,641	
C-10 -L- Sta. 43+76 LT PS	At Grade	10.0	1.0 PS	0.3 RT FW	Cr	19.00	5.25	13.75			Asphalt ABC SG	1.6-5.0: UDCP, Gray-Tan, Fine Sandy SILT	S-10	A-4(0)	M	5.0	No Distress Observed	670,867	2,465,671	
C-11 -L- Sta. 43+76 RT PS	At Grade	10.0	1.0 PS	0.5 RT FW	Cr	18.00	7.00	11.00			Asphalt ABC SG	1.5-5.0: UDCP - Gray-Tan, Fine Sandy SILT	Ref-10	A-4	M	5.0	No Distress Observed	670,863	2,465,703	
C-12 -L- Sta. 56+23 LT LN	At Grade	10.0	1.0 PS	1.2 LT FW	Cr	14.00	4.75	9.25			Asphalt ABC SG	1.2-5.0: UDCP - Gray-Tan, Fine to Coarse Sandy CLAY	Ref-14	A-6	M	5.0	Low Severity Transverse Cracking 2.75 Inch Bottom Up Crack in Core	672,104	2,465,826	
C-13 -L- Sta. 56+23 CTL	1.5 Fill	12.0	-	16.0 LT FW	Cr	6.25	6.25				Asphalt SG	0.5-1.5: RE - Tan, Silty Fine SAND 1.5-5.0: UDCP - Gray-Tan, Fine to Coarse Sandy CLAY	S-13 Ref-14	A-2-4 A-6	M M	5.0	No Distress Observed	672,102	2,465,841	
C-14 -L- Sta. 56+23 RT LN	At Grade	10.0	1.0 PS	1.3 LT FW	Cr	13.00	6.00	7.00			Asphalt ABC SG	1.1-5.0: UDCP, Gray-Tan, Fine to Coarse Sandy CLAY	S-14	A-6(2)	M	5.0	No Distress Observed	672,100	2,465,855	
C-15 -L- Sta. 75+87 LT PS	2.0 Fill	10.0	5.0 PS	2.8 RT FW	Cr	9.50	9.50				Asphalt SG	0.8-2.0: RE - Gray-Tan, Silty Fine SAND 2.0-5.0: UDCP - Gray-Tan, Fine to Coarse Sandy CLAY	Ref-13 Ref-14	A-2-4 A-6	M M	5.0	No Distress Observed	673,889	2,466,601	

Notes:
Offset Distance: Left and Right Relative to the Direction of Travel
CTL Offset Distance Measured from RT LN White Line Unless Noted Otherwise

Prepared by: CTW
Reviewed by: DMB

PAVEMENT INVESTIGATION DATA SHEET

Project:	44677.3.1
TIP:	U-5875

Route:	Allen Road (SR 1203) Allen Road from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
County:	Pitt

Date Performed:	8/19 thru 8/21 (2 Nights)
Field Personnel:	T. Wenner, CG2 Exploration

		Width (ft)		(ft)	(in)	Thickness (in)						Subgrade							GPS Coordinates	
Test Location	Cut/Fill (Est. of Amount) (ft)	Lane	Shoulder	Offset Distance (See Notes)	Crown "C" or Super "S"	Gross to Top of Soil	Asphalt	ABC	Stabilized Subgrade	Concrete	Pavement Layering	Description (Depth - ft)	Soil Sample Number	AASHTO Classification	Soil Moisture	Boring Depth (ft)	Asphalt Notes	Northing	Easting	
C-16 -L- Sta. 75+87 LT LN	1.9 Fill	10.0	5.0 PS	3.0 LT FW	Cr	7.75	7.75				Asphalt SG	0.7-1.9: RE - Gray-Tan, Silty Fine SAND 1.9-5.0: UDCP - Gray-Tan, Fine to Coarse Sandy CLAY	Ref-13 Ref-14	A-2-4 A-6	M M	5.0	No Distress Observed 2.5 Inch Bottom Up Crack In Core	673,885	2,466,606	
C-17 -L- Sta. 75+87 CTL	2.5 Fill	12.0	-	16.0 LT FW	Cr	12.75	12.75				Asphalt SG	1.1-2.5: RE - Gray-Tan, Silty Fine SAND 2.5-5.0: UDCP - Gray-Tan, Fine Sandy CLAY	Ref-13 Ref-18	A-2-4 A-6	M M	5.0	No Distress Observed	673,879	2,466,616	
C-18 -L- Sta. 75+87 RT LN	2.0 Cut	10.0	4.0 PS	1.8 LT FW	Cr	20.00	6.50	13.50			Asphalt ABC SG	1.7-5.0: UDCP - Gray-Tan, Fine Sandy CLAY Water in Borehole at 4.0 feet	S-18	A-6(3)	M	5.0	Low Severity Transverse Cracking	673,871	2,466,628	
C-19 -L- Sta. 75+87 RT PS	2.0 Cut	10.0	4.0 PS	2.2 RT FW	Cr	21.00	6.25	14.75			Asphalt ABC SG	1.8-5.0: UDCP - Gray-Tan, Fine Sandy CLAY	Ref-18	A-6	M	5.0	Low Severity Transverse Cracking	673,869	2,466,631	
C-20 -L- Sta. 84+66 RTL (RT)	1.0 Cut	14.0	-	1.2 LT FW	Cr	9.00	4.50	4.50			Asphalt ABC SG	0.8-2.0: UDCP - Tan, Fine Sandy SILT DCP & Auger not performed to full depth due to utility	S-20	A-4(0)	M	2.0	No Distress Observed	674,615	2,467,097	
C-21 -L- Sta. 97+01 LT PS	2.3 Fill	10.0	4.0 PS	2.3 RT FW	Cr	8.25	8.25				Asphalt SG	0.7-2.3: RE - Gray-Tan, Silty Fine SAND 2.3-5.0: UDCP, Gray-Tan, Fine Sandy SILT	Ref-13 Ref-22	A-2-4 A-4	M M	5.0	No Distress Observed	675,716	2,467,662	
C-22 -L- Sta. 97+01 RT PS	At Grade	10.0	4.0 PS	1.5 RT FW	Cr	15.50	5.50	10.00			Asphalt ABC SG	1.3-5.0: UDCP - Gray-Tan, Fine Sandy SILT	S-22	A-4(0)	M	5.0	No Distress Observed	675,696	2,467,691	
C-23 -L- Sta. 116+86 RTL (LT)	At Grade	10.0	1.0 PS	1.1 LT FW	Cr	16.00	6.25	9.75			Asphalt ABC SG	1.3-5.0: UDCP - Gray-Tan, Silty Fine to Coarse SAND	S-23	A-2-4	M	5.0	No Distress Observed	677,283	2,468,831	
C-24 -L- Sta. 121+86 LT LN	1.8 Fill	10.0	1.0 PS	0.6 LT FW	Cr	15.00	6.75	8.25			Asphalt ABC SG	1.3-1.8: RE - Tan, Fine to Coarse Sandy SILT 1.8-5.0: UDCP - Gray-Tan, Fine Sandy SILT	Ref-25 Ref-22	A-4 A-4	M M	5.0	No Distress Observed 2.0 Inch Bottom Up Crack in Core	677,745	2,469,022	
C-25 -L- Sta. 121+86 CTL	1.5 Fill	11.0	-	16.0 LT FW	Cr	9.75	9.75				Asphalt SG	0.8-1.5: RE - Tan-Gray, Fine to Coarse Sandy SILT 1.5-2.0: UDCP - Gray-Tan, Fine Sandy SILT DCP & Auger not performed to full depth due to utility	S-25 Ref-22	A-4(0) A-4	M	2.0	No Distress Observed 3.5 Inch Bottom Up Crack In Core	677,740	2,469,036	
C-26 -L- Sta. 121+86 RT LN	2.0 Fill	10.0	1.0 PS	0.6 LT FW	Cr	14.50	7.75	6.75			Asphalt ABC SG	1.2-2.0: RE - Tan-Gray, Silty Fine to Coarse SAND 2.0-5.0: UDCP - Gray-Tan, Fine Sandy SILT	S-26 Ref-22	A-2-4 A-4	M M	5.0	No Distress Observed 3.5 Inch Bottom Up Crack In Core, Asphalt Thickness Measured from Borehole	677,734	2,469,050	
C-27 -L- Sta. 125+29 RTL (LT)	1.1 Fill	10.0	-	0.7 LT FW	Cr	8.00	8.00				Asphalt SG	0.7-1.1: RE - Tan-Gray, Silty Fine to Coarse SAND 1.1-5.0: UDCP - Gray-Tan, Silty Fine SAND	Ref-26 S-27	A-2-4 A-2-4	M M	5.0	No Distress Observed	678,067	2,469,133	
C-28 -L- Sta. 137+61 LT LN	At Grade	13.0	3.0 Concrete Curb & Gutter	5.3 LT EOP	Cr	12.00	3.50	8.50			Asphalt ABC SG	1.0-5.0: UDCP - Gray-Tan, Fine Sandy SILT	S-28	A-4(0)	M	5.0	High Severity Fatigue Cracking, 0.5-1.0 Inch Deep Rutting (OSWP)	679,274	2,469,301	
C-29 -L- Sta. 137+61 LTL (I)	1.6 Fill	12.0	-	31.1 LT EOP	Cr	7.00	7.00				Asphalt SG	0.6-1.6: RE - Tan, Fine to Coarse Sandy SILT 1.6-5.0: UDCP - Gray-Tan, Fine Sandy SILT	Ref-25 Ref-28	A-4 A-4	M M	5.0	Moderate to High Severity Fatigue Cracking (OSWP), Moderate to High Severity Transverse Cracking	679,273	2,469,312	
C-30 -L- Sta. 137+61 RT LN	1.8 Fill	11.0	-	19.0 LT EOP	Cr	11.00	3.50	7.50			Asphalt ABC SG	0.9-1.8: RE - Tan, Fine to Coarse Sandy SILT 1.8-5.0: UDCP - Gray-Tan, Fine Sandy SILT	Ref-25 Ref-28	A-4 A-4	M M	5.0	High Severity Fatigue Cracking (IS/OSWP), Raveling, 0.5-1.0 Inch Deep Rutting (IS/OSWP), Potholes (~1.0 L x 1.0 W x 1.0" D)	679,272	2,469,326	

Notes:
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Reviewed by: DMB

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Field Personnel:	T. Wenner, CG2 Exploration

		Width (ft)		(ft)	(in)	Thickness (in)						Subgrade							GPS Coordinates	
Test Location	Cut/Fill (Est. of Amount) (ft)	Lane	Shoulder	Offset Distance (See Notes)	Crown "Cr" or Super "S"	Gross to Top of Soil	Asphalt	ABC	Stabilized Subgrade	Concrete	Pavement Layering	Description (Depth - ft)	Soil Sample Number	AASHTO Classification	Soil Moisture	Boring Depth (ft)	Asphalt Notes	Northing	Easting	
C-31 -L- Sta. 137+61 RTL (RT)	At Grade	12.0	3.0 Concrete Curb & Gutter	1.4 LT EOP	Cr	11.00	3.00	8.00			Asphalt ABC SG	0.9-5.0: UDCP - Gray-Tan, Fine Sandy SILT	Ref-28	A-4	M	5.0	High Severity Fatigue Cracking (IS/OSWP), 0.5-1.0 Inch Deep Rutting Along OSWP Full Depth Crack In Core	679,271	2,469,343	
C-32 -Y- Sta. 16+95 LT OSL	2.0 Fill	12.0	3.0 Concrete Curb & Gutter	3.6 LT EOP	Cr	12.00	7.00	5.00			Asphalt ABC SG	1.0-2.0: RE - Tan, Silty Fine to Coarse SAND 2.0-5.0: UDCP - Gray, Clayey Fine Sandy SILT, organic odor	Ref-37 Ref-33	A-2-4 A-4	M W	5.0	Low to Moderate Severity Longitudinal and Transverse Cracking 1.0 Inch Top Down Crack In Core	668,517	2,466,175	
C-33 -Y- Sta. 16+95 CTL	At Grade	15.0	-	6.6 LT FY (FR LT LN)	Cr	17.00	8.75			3.50 Brick 4.75 Concrete	Asphalt Brick Concrete/SG	1.4-5.0: UDCP - Gray-Tan, Fine Sandy SILT	S-33	A-4(1)	W	5.0	No Distress Observed Middle Portion of Asphalt Core Degraded, Asphalt Thickness Measured From Borehole	668,492	2,466,186	
C-34 -Y- Sta. 16+95 RT OSL/RTL	2.3 Fill	14.0	3.0 Concrete Curb & Gutter	2.6 LT EOP	Cr	15.00	6.25	8.75			Asphalt ABC SG	1.3-2.3: RE - Tan, Silty Fine to Coarse SAND 2.3-5.0: UDCP - Gray, Fine Sandy SILT, trace organics	Ref-37 Ref-33	A-2-4 A-4	M W	5.0	Low to Moderate Severity Longitudinal and Transverse Cracking, Moderate Severity Joint Crack Along RT OSL & ISL	668,464	2,466,199	
C-35 -Y- Sta. 21+59 RT OSL	3.0 Fill	12.0	3.0 Concrete Curb & Gutter	7.0 LT FW	Cr	19.00	5.75	13.25			Asphalt ABC SG	1.6-3.0: RE - Gray, Silty Fine to Coarse SAND 3.0-5.0: UDCP - Gray, Fine Sandy SILT	Ref-37 S-35A	A-2-4 A-4(0)	M W	5.0	Low to Moderate Severity Longitudinal and Transverse Cracking	668,707	2,466,598	
C-36 -Y- Sta. 25+55 LT LN (O)	4.0 Fill	12.0	3.0 PS	1.0 LT FW	Cr	12.50	12.50				Asphalt SG	1.0-4.0: RE - Gray-Tan, Silty Fine to Coarse SAND Buried tree encountered at 1.8', Auger Refusal in wood	Ref-37	A-2-4	M	4.0 AR	Moderate to High Severity Longitudinal and Transverse Cracking	668,860	2,466,963	
C-37 -Y- Sta. 25+55 LT LN (I)	2.0 Fill	12.0	3.0 PS	4.5 LT FW	Cr	11.00	11.00				Asphalt SG	0.9-2.0: RE - Gray-Tan, Silty Fine to Coarse SAND 2.0-5.0: UDCP - Gray-Tan, Fine Sandy SILT	S-37 S-37A	A-2-4 A-4(0)	M M	5.0	Moderate to High Severity Longitudinal and Transverse Cracking	668,857	2,466,964	
C-38 -Y- Sta. 25+55 RT LN	At Grade	12.0	3.0 PS	0.6 LT FW	Cr	13.25	13.25				Asphalt SG	1.1-4.0: UDCP - Gray-Tan, Fine Sandy SILT 4.0-5.0: UDCP - Gray-Tan, Fine Sandy SILT	Ref-37A Ref-37A	A-4 A-4	M M	5.0	Moderate to High Severity Longitudinal and Transverse Cracking	668,839	2,466,972	
C-39 -Y8- Sta. 10+96 LT OSL	5.0 Fill	12.0	3.0 Concrete Curb & Gutter	1.6 LT FW	Cr	13.50	5.00	8.50			Asphalt ABC SG	1.2-5.0: RE - Tan, Silty Fine to Coarse SAND	Ref-40	A-2-4	M	5.0	Low to Moderate Severity Longitudinal and Transverse Cracking	679,577	2,468,955	
C-40 -Y8- Sta. 12+96 LTL (RT)	5.0 Fill	12.0	-	6.5 RT FY	Cr	15.00	5.50	9.50			Asphalt ABC SG	1.3-5.0: RE - Tan, Silty Fine to Coarse SAND	S-40	A-2-4	M	5.0	Low Severity Longitudinal Cracking	679,517	2,469,148	
C-41 -Y8- Sta. 13+10 RT ISL	5.0 Fill	12.0	-	16.5 RT FY	Cr	5.50	5.50	Yes			Asphalt ABC	RE - Tan, Silty Fine to Coarse SAND DCP not performed to full depth, no auger due to utility	Ref-40	A-2-4	M	-	Low Severity Longitudinal Cracking, Low Severity Joint Crack Between OSL & ISL	679,505	2,469,161	
C-42 -Y8- Sta. 12+96 RT OSL	5.0 Fill	12.0	-	14.8 LT EOP	Cr	15.00	4.75	10.25			Asphalt ABC SG	1.3-5.0: RE - Tan, Silty Fine to Coarse SAND	Ref-40	A-2-4	M	5.0	Low Severity Transverse Cracking, Low Severity Joint Crack Between RTL & OSL/ISL	679,491	2,469,145	
C-43 -Y8- Sta. 12+96 RTL (RT)	3.0 Fill	12.0	3.0 Concrete Curb & Gutter	5.5 LT EOP	Cr	10.25	10.25				Asphalt SG	0.9-3.0: RE - Tan, Silty Fine to Coarse SAND 3.0-5.0: UDCP - Gray-Tan, Fine Sandy SILT	S-43 Ref-28	A-2-4 A-4	M M	5.0	Low Severity Joint Crack Between RTL & OSL	679,482	2,469,143	
C-44 -Y8- Sta. 16+99 LT OSL	4.0 Fill	12.0	3.0 Concrete Curb & Gutter	2.6 LT EOP	Cr	13.00	4.75	8.25			Asphalt ABC SG	1.1-4.0: RE - Tan, Silty Fine to Coarse SAND 4.0-5.0: UDCP - Gray-Tan, Fine Sandy SILT	Ref-45 Ref-28	A-2-4 A-4	M M	5.0	Low to Moderate Severity Longitudinal and Transverse Cracking, Moderate Severity Joint Crack Between ISL/OSL Full Depth Crack In Core	679,486	2,469,551	
C-45 -Y8- Sta. 16+99 LT ISL	5.0 Fill	12.0	-	18.0 LT EOP	Cr	13.00	5.25	7.75			Asphalt ABC SG	1.1-5.0: RE - Tan, Silty Fine to Coarse SAND	S-45	A-2-4	M	5.0	Low to Moderate Severity Longitudinal and Transverse Cracking, Moderate Severity Joint Crack Between ISL/OSL	679,470	2,469,548	

Notes:
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Reviewed by: DMB

PAVEMENT INVESTIGATION DATA SHEET

Project:	44677.3.1
TIP:	U-5875

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County:	Pitt

Date Performed:	8/19 thru 8/21 (2 Nights)
Field Personnel:	T. Wenner, CG2 Exploration

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DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET						WBS NO.	PROJECT TIP I.D.	ROUTE					
						44677.3.1	U-5875	Allen Rd (SR 1203) from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)					
						COUNTY	FIELD PROFESSIONAL	FIELD CREW					
						Pitt	T. Wenner	CG2 Exploration					
Test Location						Date Run	Test Location			Date Run			
C-1 LT OSL -L- Sta. 15+20 1.4 LT EOP						8/20/2024	C-2 RT OSL -L- Sta. 15+67 1.7 LT EOP			8/20/2024			
Type	Test Interval			Datum		Cut/Fill	Type	Test Interval			Datum		Cut/Fill
DCP	Cumulative cm per blow			ABC		4.0 Fill	DCP	Cumulative cm per blow			ABC		5.0 Fill
1.21	17.80	46.47					1.78	15.30	32.17	68.62			
1.84	17.97	47.56					2.41	15.57	32.64	69.75			
2.43	18.15	48.42					3.19	15.66	33.16	70.65			
2.66	18.37	49.67					3.54	15.89	33.60	72.21			
3.06	18.55	51.91					3.77	16.20	34.09	73.19			
3.40	18.88	54.26					4.15	16.38	34.52	74.05			
3.68	19.16	55.45					4.53	16.60	34.93	75.04			
3.97	19.53	56.18					4.79	16.71	35.27	76.07			
4.13	19.82	57.08					5.10	16.93	35.73	77.16			
4.48	20.06	57.91					5.28	17.03	36.29	78.73			
4.68	20.28	58.69					5.44	17.27	36.87	80.28			
4.82	20.44	59.55					5.52	17.50	37.31	82.23			
4.98	20.91	60.34					5.63	17.65	37.55	84.31			
5.19	21.30	61.23					5.76	17.84	38.01	87.38			
5.47	21.49	61.96					5.90	18.04	38.36	90.64			
5.80	21.74	62.73					6.18	18.17	38.98	95.18			
6.03	22.02	63.68					6.33	18.24	39.51	98.36			
6.42	22.20	64.50					6.45	18.47	39.92	104.89			
6.75	22.33	65.36					6.74	18.61	40.39	110.17			
7.08	22.52	66.36					6.91	18.72	40.79	114.83			
7.32	22.89	67.48					7.12	19.01	41.24	119.53			
7.55	23.08	68.09					7.23	19.29	41.64	124.09			
7.77	23.31	69.09					7.45	19.42	42.11	128.24			
7.90	23.60	70.05					7.58	19.72	42.63	132.38			
8.20	24.06	71.15					7.72	19.98	43.11	136.77			
8.28	24.33	71.96					7.96	20.36	43.69				
8.53	24.88	72.85					8.32	20.65	44.32				
8.83	25.06	73.58					8.50	21.00	44.88				
9.05	25.52	74.67					8.56	21.15	45.46				
9.22	26.01	75.78					8.67	21.46	45.91				
9.57	26.37	76.86					8.92	21.63	46.44				
9.69	26.94	78.17					9.08	21.81	47.06				
9.81	27.42	79.28					9.24	22.12	47.74				
9.99	27.66	80.64					9.41	22.21	48.22				
10.37	28.15	82.26					9.56	22.45	48.57				
10.53	28.64	83.52					9.79	22.79	49.16				
10.65	28.98	85.07					10.13	23.22	49.65				
10.71	29.45	86.90					10.18	23.41	50.13				
10.98	29.97	89.28					10.22	23.65	50.64				
11.34	30.57	91.50					10.33	23.89	51.10				
11.57	31.11	95.22					10.49	24.17	51.79				
11.76	31.49	98.00					10.78	24.40	52.48				
11.99	32.05	99.36					10.85	24.66	53.33				
12.24	32.53	100.55					11.06	24.95	53.86				
12.43	33.06	101.44					11.21	25.17	54.41				
12.67	33.57	102.23					11.45	25.41	54.95				
13.06	34.18	103.12					11.62	25.77	55.49				
13.22	34.74	103.85					11.87	25.92	56.09				
13.65	35.30	104.88					12.04	26.17	56.81				
13.87	35.71	106.02					12.30	26.41	57.46				
14.00	36.28	107.65					12.50	26.69	58.07				
14.27	36.94	109.29					12.68	27.29	58.77				
14.43	37.42	112.63					12.99	27.81	59.42				
14.57	38.00	115.02					13.19	27.96	60.18				
14.77	38.71	116.95					13.26	28.18	60.75				
15.05	39.45	118.60					13.40	28.51	61.48				
15.23	40.08	119.90					13.65	28.77	62.09				
15.52	40.76	121.55					13.97	29.09	62.66				
15.75	41.30	123.03					14.08	29.46	63.24				
16.05	41.83	124.60					14.21	29.83	63.97				
16.26	42.53	126.60					14.37	30.16	64.70				
16.52	43.26	129.42					14.59	30.52	65.53				
16.91	44.00	133.01					14.77	30.95	66.23				
17.08	44.85	135.72					14.90	31.36	66.85				
17.50	45.54	138.85					15.18	31.80	67.55				

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET						WBS NO.		PROJECT TIP I.D.				ROUTE			
						44677.3.1		U-5875				Allen Rd (SR 1203) from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)			
						COUNTY		FIELD PROFESSIONAL				FIELD CREW			
						Pitt		T. Wenner				CG2 Exploration			
Test Location						Date Run		Test Location				Date Run			
C-3 RTL (RT) -L- Sta. 17+52 9.0 LT EOP						8/20/2024		C-4 RTL (LT) -L- Sta. 20+52 2.2 LT EOP				8/20/2024			
Type	Test Interval			Datum		Cut/Fill		Type	Test Interval			Datum		Cut/Fill	
DCP	Cumulative cm per blow			ABC		At Grade		DCP	Cumulative cm per blow			ABC		3.5 Fill	
1.24	18.04	48.29						2.22	17.98	28.71	46.83	81.11			
1.63	18.40	49.20						3.49	18.03	28.88	47.02	81.58			
2.02	18.68	50.38						3.88	18.08	29.05	47.30	82.22			
2.25	19.01	51.47						4.39	18.13	29.21	47.48	82.90			
2.41	19.39	52.41						5.26	18.18	29.38	47.93	83.54			
2.64	19.69	53.26						5.64	18.23	29.52	48.12	84.02			
2.99	20.11	54.07						5.82	18.29	29.67	48.57	84.57			
3.31	20.56	55.08						6.07	18.34	29.81	48.74	85.61			
3.57	20.76	56.29						6.24	18.39	29.95	49.12	85.78			
3.85	21.14	57.67						6.58	18.49	30.10	49.62	86.30			
4.11	21.39	59.74						7.04	18.59	30.24	49.97	87.28			
4.21	21.67	61.98						7.22	18.69	30.43	50.37	87.76			
4.73	21.98	63.96						7.52	18.79	30.63	50.79	88.22			
4.87	22.25	65.90						7.66	18.89	30.82	51.11	88.49			
4.91	22.68	68.69						7.79	19.00	31.01	51.54	88.88			
5.38	23.04	71.88						8.00	19.10	31.21	51.90	89.57			
5.49	23.48	75.29						8.19	19.20	31.40	52.38	90.41			
5.64	23.74	79.13						8.34	19.30	31.82	52.70	91.10			
5.76	24.11	83.16						8.57	19.40	31.98	53.07	91.94			
6.03	24.81	87.43						8.79	19.50	32.18	53.32	92.77			
6.34	25.20	92.28						8.88	19.89	32.41	53.65	93.43			
6.54	25.67	96.33						9.05	20.17	32.85	53.98	94.33			
6.70	25.89	100.62						9.60	20.59	33.11	54.27	94.96			
6.92	26.21	105.30						9.90	20.81	33.28	54.71	95.82			
7.29	26.46	109.76						10.08	21.09	33.50	54.94	96.71			
7.44	26.69	114.54						10.21	21.30	33.61	55.34	97.54			
7.72	27.09	119.04						10.48	21.52	33.83	55.61	98.88			
8.01	27.35	123.08						10.74	21.77	34.16	55.94	100.37			
8.34	27.84	127.11						11.03	22.18	34.63	56.39	101.91			
8.52	28.05							11.24	22.43	34.93	56.80	104.34			
8.63	28.66							11.41	22.66	35.26	57.37	107.14			
8.76	28.94							11.60	23.03	35.83	57.78	110.20			
9.03	29.44							11.75	23.19	36.62	57.96	113.09			
9.14	29.73							11.97	23.42	37.25	58.55	115.44			
9.26	30.04							12.43	23.66	37.58	59.12	117.26			
9.50	30.48							12.51	23.87	38.07	59.52	118.73			
10.06	30.79							12.62	24.15	38.32	59.95	121.08			
10.34	31.27							12.74	24.37	38.71	60.47	123.33			
10.50	31.53							12.85	24.55	38.93	61.12	124.69			
10.71	31.80							12.97	24.78	39.27	61.69	126.23			
10.93	32.25							13.08	25.05	39.71	62.32	127.59			
11.51	32.67							13.20	25.19	39.98	63.01	129.13			
11.78	32.99							13.31	25.38	40.25	63.67	130.53			
12.02	33.51							13.43	25.53	40.59	65.00				
12.39	33.85							13.54	25.71	40.83	66.34				
12.67	34.38							13.66	26.05	41.03	68.94				
12.97	34.75							13.77	26.20	41.47	71.07				
13.11	35.20							14.04	26.32	41.70	72.83				
13.35	35.73							14.35	26.51	42.02	73.49				
13.76	36.25							14.56	26.68	42.26	74.05				
14.21	36.86							15.15	26.92	42.43	74.63				
14.42	37.42							15.19	27.06	42.64	75.04				
14.78	38.08							15.55	27.15	42.89	75.62				
14.98	38.62							15.83	27.25	43.14	76.06				
15.21	39.26							15.95	27.34	43.52	76.55				
15.32	39.82							16.09	27.43	43.95	76.91				
15.51	40.29							16.27	27.53	44.24	77.15				
15.62	41.04							16.58	27.62	44.60	77.73				
15.96	41.69							16.88	27.75	44.78	77.90				
16.22	42.39							17.25	27.87	45.08	78.19				
16.61	42.92							17.52	28.00	45.43	79.04				
16.90	43.54							17.74	28.13	45.79	79.57				
17.22	44.26							17.82	28.25	46.01	79.97				
17.45	45.51							17.87	28.38	46.34	80.20				
17.94	46.92							17.92	28.55	46.69	80.70				

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET						WBS NO.	PROJECT TIP I.D.	ROUTE					
						44677.3.1	U-5875	Allen Rd (SR 1203) from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)					
						COUNTY	FIELD PROFESSIONAL	FIELD CREW					
						Pitt	T. Wenner	CG2 Exploration					
Test Location						Date Run	Test Location						Date Run
C-5 RTL (LT) -L- Sta. 26+16 0.8 LT FW						8/20/2024	C-6 LT LN -L- Sta. 31+53 0.8 LT FW						8/20/2024
Type	Test Interval			Datum		Cut/Fill	Type	Test Interval			Datum		Cut/Fill
DCP	Cumulative cm per blow			SG (A-4)		At Grade	DCP	Cumulative cm per blow			ABC		At Grade
2.28							1.29	22.99					
3.89							1.77	23.56					
4.92							2.51	24.30					
6.09							3.21	24.69					
7.13							4.22	25.09					
8.16							4.67	25.44					
8.83							4.95	25.85					
9.79							5.31	26.32					
10.68							5.70	26.59					
11.56							6.09	27.02					
12.27							6.64	27.42					
13.08							7.00	28.59					
13.47							7.36	29.22					
14.47							7.72	29.71					
15.34							8.40	30.41					
16.26							8.66	31.03					
16.89							9.16	31.91					
17.55							9.46	32.77					
18.32							9.73	33.78					
19.61							10.14	34.86					
20.51							10.28	36.29					
21.74							10.56	37.37					
22.28							10.71	38.69					
23.27							10.85	40.09					
24.10							11.09	41.84					
25.18							11.40	43.53					
26.18							11.53	45.48					
27.42							11.76	47.33					
27.96							11.92	49.20					
28.98							12.06	52.74					
30.19							12.31	55.94					
31.59							12.66	60.33					
32.67							12.91	63.88					
33.95							13.17	68.01					
35.31							13.66	71.83					
37.05							13.96	75.42					
38.13							14.27	79.28					
39.61							14.47	82.65					
41.31							14.81	85.87					
42.56							15.11	89.03					
44.01							15.38	91.66					
45.23							15.55	94.27					
46.51							15.73	97.02					
47.83							16.00	99.51					
48.78							16.31	101.99					
49.83							16.63	104.52					
50.57							17.15	107.29					
Utility							17.91	109.42					
Present							18.08	111.99					
							18.36	114.65					
							18.68	117.34					
							18.93	119.78					
							19.20	121.79					
							19.49	124.18					
							19.80	126.75					
							20.18	129.00					
							20.43						
							20.78						
							21.20						
							21.49						
							21.68						
							21.87						
							22.11						
							22.48						
							22.68						

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET						WBS NO.	PROJECT TIP I.D.	ROUTE					
						44677.3.1	U-5875	Allen Rd (SR 1203) from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)					
						COUNTY	FIELD PROFESSIONAL	FIELD CREW					
						Pitt	T. Wenner	CG2 Exploration					
Test Location						Date Run	Test Location						Date Run
C-7 CTL -L- Sta. 31+53 15.5 LT FW						8/19/2024	C-8 RT LN -L- Sta. 31+53 0.6 LT FW						8/19/2024
Type	Test Interval			Datum		Cut/Fill	Type	Test Interval			Datum		Cut/Fill
DCP	Cumulative cm per blow			SG (A-4(0))		At Grade	DCP	Cumulative cm per blow			ABC		At Grade
1.25	124.61						6.21	86.66					
2.19							7.45	88.89					
2.77							8.85	91.13					
3.32							9.79	92.85					
4.13							10.54	94.71					
4.58							11.23	96.23					
5.05							11.39	97.93					
5.42							11.66	99.52					
5.96							11.84	101.53					
6.56							12.19	103.08					
6.81							12.48	104.83					
7.41							12.75	106.65					
7.95							13.00	108.61					
8.33							13.17	110.25					
8.67							13.44	112.16					
9.24							13.68	113.86					
9.87							14.02	115.96					
10.27							14.16	117.79					
10.85							14.36	119.57					
11.67							14.74	121.78					
12.49							14.93	123.40					
13.28							15.18	125.36					
14.23							15.40						
15.12							15.71						
16.28							15.89						
17.31							16.14						
19.05							16.31						
20.44							16.60						
21.86							16.75						
23.72							17.14						
25.46							17.28						
27.45							17.63						
29.00							18.04						
30.20							18.60						
31.56							19.28						
32.25							19.74						
33.25							20.41						
34.54							20.92						
35.18							21.57						
36.31							22.60						
38.19							24.03						
41.21							27.25						
45.97							30.07						
51.36							33.94						
56.66							37.56						
61.31							41.33						
66.29							44.98						
70.87							46.70						
74.69							48.78						
78.28							51.17						
82.26							53.99						
85.84							56.21						
88.88							58.64						
92.49							61.17						
95.79							63.40						
99.23							65.43						
102.37							67.41						
105.24							69.86						
107.96							72.39						
110.19							74.91						
114.22							76.95						
116.19							79.31						
118.19							81.59						
120.65							83.41						
122.71							85.16						

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET						WBS NO.	PROJECT TIP I.D.	ROUTE					
						44677.3.1	U-5875	Allen Rd (SR 1203) from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)					
						COUNTY	FIELD PROFESSIONAL	FIELD CREW					
						Pitt	T. Wenner	CG2 Exploration					
Test Location						Date Run	Test Location						Date Run
C-9 RTL (LT) -L- Sta. 37+33 1.0 LT FW						8/20/2024	C-10 LT PS -L- Sta. 43+76 0.3 RT FW						8/20/2024
Type	Test Interval			Datum		Cut/Fill	Type	Test Interval			Datum		Cut/Fill
DCP	Cumulative cm per blow			SG (A-4)		At Grade	DCP	Cumulative cm per blow			ABC		At Grade
1.90							1.29	23.34	96.45				
3.01							2.25	23.61	99.00				
4.00							2.87	24.10	101.48				
5.01							3.33	24.34	103.97				
5.66							3.94	24.49	105.92				
6.38							4.47	24.77	107.75				
6.99							4.89	25.13	109.90				
8.01							5.22	25.48	112.14				
9.12							5.72	25.60	114.14				
9.99							6.24	25.82	116.13				
10.58							6.68	26.18	118.12				
11.26							7.00	26.35	120.31				
12.01							7.21	26.76	122.11				
12.67							7.37	27.00	124.42				
13.76							7.76	27.19	126.33				
14.34							7.96	27.50	127.76				
15.64							8.10	27.84	129.26				
16.49							8.29	28.22	131.22				
17.34							8.51	28.42	132.87				
18.84							8.84	28.70					
19.50							9.17	29.14					
20.44							9.69	29.42					
21.31							10.18	29.88					
22.46							10.46	30.02					
23.59							10.73	30.48					
24.54							11.10	30.72					
25.47							11.60	31.26					
26.72							12.03	31.59					
27.58							12.34	31.80					
28.75							12.57	32.06					
29.85							12.95	32.20					
30.83							13.30	32.76					
32.08							13.48	33.08					
33.64							13.77	33.80					
34.44							13.95	34.30					
35.43							14.37	34.40					
36.89							14.64	34.88					
38.00							14.97	35.56					
39.05							15.23	36.23					
40.88							15.50	36.88					
42.62							15.95	37.40					
44.05							16.39	38.05					
45.66							16.96	39.02					
47.26							17.11	39.58					
Utility							17.44	40.35					
Present							17.70	41.00					
							17.91	41.50					
							18.36	43.63					
							18.58	44.83					
							18.81	45.96					
							19.14	47.89					
							19.24	50.30					
							19.58	54.54					
							19.85	57.78					
							20.22	62.49					
							20.51	66.90					
							20.67	71.10					
							20.88	74.77					
							21.30	77.59					
							21.72	80.58					
							22.06	83.17					
							22.35	85.89					
							22.51	88.26					
							22.84	91.24					
							23.11	93.56					

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET						WBS NO.		PROJECT TIP I.D.				ROUTE			
						44677.3.1		U-5875				Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)			
						COUNTY		FIELD PROFESSIONAL				FIELD CREW			
						Pitt		T. Wenner				CG2 Exploration			
Test Location						Date Run		Test Location						Date Run	
C-11 RT PS -L- Sta. 43+76 0.5 RT FW						8/19/2024		C-12 LT LN -L- Sta. 56+23 1.2 LT FW						8/20/2024	
Type	Test Interval			Datum		Cut/Fill		Type	Test Interval			Datum		Cut/Fill	
DCP	Cumulative cm per blow			ABC		At Grade		DCP	Cumulative cm per blow			ABC		At Grade	
1.44	82.31							1.07	31.84						
2.90	84.90							1.92	33.21						
3.71	87.09							2.65	34.48						
4.21	89.22							3.03	35.60						
5.25	91.17							3.50	36.93						
6.29	93.23							3.68	38.29						
7.03	94.86							3.99	39.54						
7.98	97.09							4.21	41.03						
8.58	99.04							4.53	42.75						
9.07	100.78							4.99	46.28						
9.62	102.38							5.29	50.97						
9.86	104.30							5.53	56.46						
10.25	106.01							5.74	61.01						
10.61	107.50							5.93	65.82						
11.09	109.18							6.12	70.30						
11.53	110.77							6.42	73.79						
11.91	112.17							6.80	76.79						
12.37	113.75							6.90	79.95						
12.75	115.13							7.23	82.66						
13.33	116.52							7.46	84.94						
13.72	117.89							7.73	87.38						
14.02	119.25							7.92	89.64						
14.39	120.51							8.08	91.82						
14.69	122.03							8.33	93.78						
15.15	123.40							8.65	95.72						
15.41	124.44							8.84	97.47						
15.96	125.75							8.99	99.09						
16.22	126.95							9.18	100.52						
16.66								9.59	102.12						
16.88								9.71	103.76						
17.24								9.91	105.26						
17.75								10.13	106.82						
18.25								10.31	108.45						
18.84								10.54	110.09						
19.19								10.77	111.57						
19.44								11.20	112.92						
19.74								11.38	114.32						
20.27								11.69	115.75						
20.57								12.00	116.90						
20.98								12.14	117.72						
21.27								12.31	120.80						
21.50								12.46	123.14						
22.03								12.62	124.51						
22.44								12.87	126.07						
23.11								13.30	127.52						
23.60								13.69	128.62						
23.86								14.03	130.02						
24.66								14.76	131.35						
25.14								14.98							
26.44								15.49							
27.26								16.19							
28.69								16.62							
30.29								17.23							
35.66								17.76							
40.84								18.30							
46.38								18.84							
51.85								19.83							
56.79								20.91							
61.26								22.72							
64.84								24.46							
67.85								26.28							
71.02								27.20							
73.93								28.21							
76.66								29.62							
79.52								30.74							

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET					WBS NO.		PROJECT TIP I.D.			ROUTE			
					44677.3.1		U-5875			Allen Rd (SR 1203) from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)			
					COUNTY		FIELD PROFESSIONAL			FIELD CREW			
					Pitt		T. Wenner			CG2 Exploration			
Test Location					Date Run		Test Location			Date Run			
C-13 CTL -L- Sta. 56+23 16.0 LT FW					8/19/2024		C-14 RT LN -L- Sta. 56+23 1.3 LT FW			8/19/2024			
Type	Test Interval		Datum		Cut/Fill		Type	Test Interval		Datum		Cut/Fill	
DCP	Cumulative cm per blow		SG (A-2-4)		1.5 Fill		DCP	Cumulative cm per blow		ABC		At Grade	
0.85	22.35	111.50					1.32	33.77					
1.75	22.57	112.46					2.03	38.02					
2.62	22.83	113.89					2.59	42.22					
3.13	23.15	114.79					2.95	45.21					
3.80	23.33	116.15					3.23	48.28					
4.06	23.77	117.46					3.69	50.84					
4.44	23.97	118.40					4.00	53.52					
4.89	24.33	119.38					4.30	56.07					
5.31	24.73	120.53					4.51	58.23					
5.65	24.98	121.95					4.79	60.50					
5.91	25.24	123.61					5.10	62.80					
6.37	25.44	124.66					5.32	64.61					
6.65	25.77	125.78					5.61	66.68					
6.73	26.17	126.93					5.91	68.55					
7.04	26.54	128.25					6.05	70.33					
7.36	26.88	129.31					6.46	72.26					
7.65	27.43	130.36					6.75	74.27					
7.92	27.82	131.66					6.96	75.84					
8.23	28.41	132.65					7.18	77.63					
8.57	29.06	133.75					7.38	79.02					
9.08	30.17	135.11					7.69	80.47					
9.28	31.01						8.03	81.73					
9.60	32.71						8.27	83.43					
9.85	34.45						8.54	84.70					
10.23	36.74						8.76	86.36					
10.71	39.55						9.08	87.51					
10.95	41.67						9.40	88.93					
11.40	44.64						9.65	89.78					
11.79	46.80						10.09	91.42					
12.14	49.26						10.31	92.74					
12.60	51.55						10.58	94.16					
13.05	53.54						10.76	95.44					
13.43	55.67						10.95	96.72					
13.76	58.04						11.14	98.08					
13.96	60.07						11.38	99.67					
14.20	61.63						11.65	101.39					
14.44	63.62						12.09	102.78					
14.66	65.73						12.43	104.31					
15.00	67.49						12.63	105.93					
15.17	69.12						12.85	107.20					
15.35	70.94						13.06	108.49					
15.73	72.54						13.40	109.91					
15.97	74.35						14.06	111.18					
16.27	76.18						14.52	112.53					
16.46	78.00						14.80	113.80					
16.54	80.02						15.18	115.19					
16.82	82.30						15.67	116.81					
17.09	84.01						16.11	117.94					
17.29	85.83						16.41	119.31					
17.62	87.33						16.74	120.93					
17.92	88.95						17.11	122.40					
18.20	90.62						17.37	123.53					
18.36	92.08						17.65	124.68					
18.79	93.37						18.45	125.91					
19.10	94.80						19.06	127.26					
19.42	96.39						19.44	128.26					
19.76	97.66						20.01	129.19					
20.19	98.97						20.52	130.45					
20.46	100.48						21.36	132.01					
20.80	102.07						21.66	133.19					
21.03	103.84						22.57	134.45					
21.26	105.19						23.12						
21.59	106.66						24.18						
21.97	108.28						25.84						
22.13	110.02						29.50						

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET						WBS NO.		PROJECT TIP I.D.				ROUTE			
						44677.3.1		U-5875				Allen Rd (SR 1203) from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)			
						COUNTY		FIELD PROFESSIONAL				FIELD CREW			
						Pitt		T. Wenner				CG2 Exploration			
Test Location						Date Run		Test Location						Date Run	
C-15 LT PS -L- Sta. 75+87 2.8 RT FW						8/19/2024		C-16 LT LN -L- Sta. 75+87 3.0 LT FW						8/19/2024	
Type	Test Interval		Datum			Cut/Fill		Type	Test Interval		Datum			Cut/Fill	
DCP	Cumulative cm per blow		SG (A-2-4)			2.0 Fill		DCP	Cumulative cm per blow		SG (A-2-4)			1.9 Fill	
0.43	19.33	50.06						1.96	24.67						
0.90	19.40	52.55						2.85	24.76						
1.12	19.47	55.72						3.85	24.84						
1.44	19.54	58.36						4.31	24.92						
1.81	19.61	61.41						4.82	25.01						
2.14	19.68	64.72						5.19	25.09						
2.49	19.75	67.94						5.52	25.20						
2.74	19.85	70.50						5.95	25.30						
3.21	19.95	73.34						6.56	25.41						
3.41	20.06	75.89						6.84	25.52						
4.03	20.16	78.55						7.26	25.62						
4.29	20.26	81.20						7.46	25.73						
4.51	20.36	83.76						7.70	25.81						
5.00	20.46	86.15						8.09	25.90						
5.39	20.56	88.41						8.47	25.98						
5.93	20.67	90.29						8.87	26.06						
6.12	20.77	92.43						9.36	26.15						
6.43	20.87	94.46						9.72	26.23						
6.84	21.14	96.81						10.02	26.31						
7.21	21.37	98.89						10.21	26.38						
7.69	21.52	100.99						10.63	26.46						
8.06	21.65	103.47						11.22	26.53						
8.58	21.78	105.24						11.66	26.61						
9.06	22.09	106.99						12.10	26.68						
9.51	22.25	108.85						12.55	26.76						
9.94	22.36	110.60						13.16	26.83						
10.13	22.50	112.19						13.78	26.91						
10.47	22.66	114.53						14.03	26.98						
10.84	22.75	116.62						14.76	27.06						
11.24	22.93	117.93						15.29	27.13						
11.70	23.13							15.80	27.17						
11.97	23.26							16.30	27.21						
12.18	23.51							16.93	27.26						
12.47	23.65							17.39	27.30						
12.85	23.86							18.30	27.34						
13.09	24.02							19.12	27.38						
13.68	24.16							19.68	27.42						
14.16	24.49							20.16	27.46						
14.39	24.68							20.49	27.51						
14.62	25.04							21.04	27.55						
14.95	25.31							21.52	27.59						
15.19	25.51							21.76	27.63						
15.55	25.70							21.91	27.70						
15.91	25.91							22.21	27.77						
16.13	26.18							22.62	27.85						
16.39	26.55							22.87	27.92						
16.57	27.06							23.09	27.99						
16.83	27.56							23.20	28.06						
16.98	27.89							23.37	28.13						
17.07	28.28							23.45	28.21						
17.29	28.69							23.54	28.28						
17.45	29.11							23.76	28.35						
17.56	29.65							23.89	28.43						
17.76	30.13							23.95	28.50						
17.89	30.87							24.01	DCP REF						
18.13	31.51							24.07	50/1.75						
18.34	32.42							24.13							
18.51	33.00							24.19							
18.69	33.98							24.25							
18.88	35.14							24.31							
18.98	36.78							24.36							
19.05	38.89							24.42							
19.12	41.55							24.48							
19.19	44.21							24.53							
19.26	47.00							24.59							

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET					WBS NO.	PROJECT TIP I.D.			ROUTE				
					44677.3.1	U-5875			Allen Rd (SR 1203) from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)				
					COUNTY	FIELD PROFESSIONAL			FIELD CREW				
					Pitt	T. Wenner			CG2 Exploration				
Test Location					Date Run	Test Location					Date Run		
C-17 CTL -L- Sta. 75+87 16.0 LT FW					8/20/2024	C-18 RT LN -L- Sta. 75+87 1.8 LT FW					8/19/2024		
Type	Test Interval		Datum		Cut/Fill	Type	Test Interval		Datum		Cut/Fill		
DCP	Cumulative cm per blow		SG (A-2-4)		2.5 Fill	DCP	Cumulative cm per blow		ABC		2.0 Cut		
1.87	44.02					1.61	18.92	31.31	116.32				
3.06	46.94					2.10	19.41	31.56	116.40				
3.47	50.45					2.67	19.55	31.71	116.48				
3.92	54.03					2.97	19.78	31.87	116.57				
4.49	57.08					3.56	20.04	32.14	116.65				
5.15	60.34					3.69	20.22	32.32	119.58				
5.63	64.03					3.94	20.48	32.52	123.48				
6.30	68.22					4.23	20.56	32.87	126.60				
6.80	71.53					4.68	20.85	33.03	130.05				
7.47	74.83					5.03	20.99	33.39	133.35				
8.00	78.59					5.25	21.25	33.61					
8.56	81.83					5.59	21.35	33.94					
9.10	85.35					5.76	21.63	34.41					
9.70	88.59					5.97	21.74	34.61					
10.30	91.89					6.24	21.94	34.85					
10.83	95.53					6.65	22.25	35.22					
11.41	98.69					6.88	22.47	35.56					
11.91	101.25					7.04	22.64	36.20					
12.64	103.45					7.35	22.69	36.74					
13.12	105.75					7.58	22.75	37.47					
13.51	108.21					7.73	22.80	38.18					
14.28	110.08					7.99	22.86	39.00					
14.59	112.22					8.29	22.91	40.14					
15.05	114.05					8.70	22.97	41.91					
15.51	115.71					8.91	23.02	43.99					
16.19						9.13	23.08	47.94					
16.72						9.46	23.13	51.27					
17.07						9.69	23.19	53.57					
17.42						9.94	23.24	56.17					
17.86						10.42	23.31	58.60					
18.38						10.57	23.38	61.61					
18.82						11.03	23.46	64.85					
19.21						11.19	23.53	67.72					
19.94						11.45	23.60	70.68					
20.37						11.74	23.67	73.48					
21.01						12.02	23.97	76.39					
21.70						12.25	24.30	79.70					
22.36						12.39	24.56	82.47					
23.06						12.72	24.79	85.37					
23.81						12.87	25.29	88.11					
24.60						13.22	25.57	91.40					
25.19						13.46	25.71	93.66					
25.74						13.70	26.08	96.84					
26.25						13.87	26.21	99.34					
26.50						14.18	26.41	102.12					
27.19						14.45	26.71	104.79					
27.57						14.63	26.91	107.03					
27.95						14.88	27.09	109.30					
28.28						15.12	27.34	111.15					
29.11						15.36	27.64	112.55					
29.53						15.60	27.98	113.83					
29.79						15.85	28.31	114.31					
30.26						16.15	28.49	114.84					
30.86						16.24	28.62	115.05					
31.46						16.57	28.86	115.26					
32.08						16.86	29.02	115.49					
32.71						17.07	29.12	115.57					
33.45						17.32	29.36	115.66					
34.54						17.47	29.67	115.74					
35.29						17.68	29.94	115.82					
36.37						17.90	30.11	115.90					
37.32						18.05	30.45	115.99					
38.43						18.34	30.62	116.07					
40.07						18.60	30.88	116.15					
42.04						18.75	31.07	116.24					

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET						WBS NO.		PROJECT TIP I.D.				ROUTE			
						44677.3.1		U-5875				Allen Rd (SR 1203) from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)			
						COUNTY		FIELD PROFESSIONAL				FIELD CREW			
						Pitt		T. Wenner				CG2 Exploration			
Test Location						Date Run		Test Location						Date Run	
C-19 RT PS -L- Sta. 75+87 2.2 RT FW						8/19/2024		C-20 RTL (RT) -L- Sta. 84+66 1.2 LT FW						8/20/2024	
Type	Test Interval			Datum		Cut/Fill		Type	Test Interval			Datum		Cut/Fill	
DCP	Cumulative cm per blow			ABC		2.0 Cut		DCP	Cumulative cm per blow			ABC		1.0 Cut	
1.89	30.88							1.86							
2.93	31.67							2.76							
3.66	32.27							3.55							
4.29	33.27							3.85							
4.72	33.90							4.38							
5.42	34.76							4.84							
5.83	35.66							5.10							
6.32	37.57							5.67							
6.78	40.97							6.23							
7.21	47.60							6.71							
7.81	53.18							7.11							
8.23	58.30							7.29							
8.71	62.75							7.75							
8.98	66.62							8.52							
9.39	69.60							8.75							
9.77	72.51							9.14							
10.33	75.16							9.74							
10.69	77.58							9.94							
10.99	79.98							10.65							
11.65	82.08							11.30							
12.04	84.38							11.80							
12.31	86.29							12.10							
12.77	88.24							13.45							
13.21	90.06							13.93							
13.64	91.73							14.32							
14.16	93.49							14.85							
14.59	95.08							15.09							
15.08	96.51							15.59							
15.55	97.98							16.32							
16.13	99.70							17.25							
16.73	101.51							17.80							
17.34	102.76							18.68							
17.53	104.33							19.50							
18.04	105.86							20.64							
19.08	107.23							21.86							
19.73	108.56							23.07							
20.12	109.59							25.30							
20.58	110.86							28.01							
20.93	112.39							30.31							
21.33	113.78							33.65							
21.61	115.02							37.07							
21.91	116.01							40.54							
22.27	116.69							43.50							
22.47	117.58							46.02							
22.68	118.95							48.75							
23.16	120.06							51.24							
23.33	121.24							53.45							
23.68	122.33							55.91							
23.99	123.84							58.19							
24.37	125.18							60.85							
24.67	126.63							63.27							
24.97	127.77							Utility							
25.25	128.71							Present							
25.79	129.90														
26.01	131.23														
26.37															
26.71															
27.18															
27.58															
28.12															
28.77															
29.16															
29.30															
29.80															
30.40															

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET						WBS NO.	PROJECT TIP I.D.	ROUTE					
						44677.3.1	U-5875	Allen Rd (SR 1203) from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)					
						COUNTY	FIELD PROFESSIONAL	FIELD CREW					
						Pitt	T. Wenner	CG2 Exploration					
Test Location						Date Run	Test Location						Date Run
C-21 LT PS -L- Sta. 97+01 2.3 RT FW						8/20/2024	C-22 RT PS -L- Sta. 97+01 1.5 RT FW						8/20/2024
Type	Test Interval			Datum		Cut/Fill	Type	Test Interval			Datum		Cut/Fill
DCP	Cumulative cm per blow			SG (A-2-4)		2.3 Fill	DCP	Cumulative cm per blow			ABC		At Grade
1.02	25.21	56.38					1.38	25.56					
1.50	26.44	57.05					2.74	25.89					
1.91	27.57	57.44					4.04	26.45					
2.17	28.86	57.97					4.94	26.93					
2.38	30.51	58.28					5.34	27.80					
2.73	32.34	59.14					5.84	28.33					
3.03	33.52	59.85					6.37	28.81					
3.32	34.36	61.09					6.67	29.50					
3.74	35.03	61.83					7.24	30.19					
3.93	35.79	62.72					7.48	30.41					
4.11	36.18	63.56					7.79	32.19					
4.53	36.76	64.71					8.27	32.60					
5.07	37.05	65.73					8.49	33.07					
5.23	37.37	67.08					8.62	34.44					
5.38	37.64	68.68					9.17	35.87					
5.52	37.96	70.81					9.57	37.65					
6.01	38.20	72.90					9.80	40.10					
6.16	38.47	75.75					10.11	42.46					
6.42	38.70	78.63					10.44	44.66					
6.53	38.86	81.08					10.80	48.89					
6.66	39.12	83.86					11.05	52.83					
7.01	39.43	86.67					11.24	56.62					
7.22	39.64	88.71					11.52	59.70					
7.36	39.94	91.29					11.77	63.25					
7.74	40.31	93.62					12.11	65.60					
8.29	40.54	95.86					12.34	67.81					
8.44	40.86	98.43					12.66	69.88					
8.77	41.22	100.93					12.82	70.95					
8.90	41.52	103.57					13.13	71.63					
9.19	41.82	106.05					13.40	72.70					
9.33	42.08	108.02					13.60	73.40					
9.63	42.43	110.91					13.92	74.55					
9.87	42.71	113.47					14.17	75.27					
10.09	43.15	115.95					14.34	76.43					
10.35	44.19	117.85					14.63	77.11					
10.56	44.59	120.53					14.83	78.46					
10.78	44.73	122.42					15.16	79.68					
10.95	45.09	124.41					15.51	81.01					
11.26	45.32	126.07					15.65	82.16					
11.43	45.61						15.89	83.86					
11.70	45.86						16.06	85.34					
11.83	46.20						16.32	87.27					
12.00	46.52						16.63	88.98					
12.41	46.67						16.89	92.04					
12.63	46.96						17.22	94.62					
13.13	47.28						17.50	96.64					
13.61	47.48						17.79	99.51					
13.85	47.75						18.08	102.37					
14.25	47.90						18.34	104.26					
14.71	48.56						18.83	106.22					
14.94	48.98						19.25	109.01					
15.61	49.53						19.71	111.40					
16.00	50.04						20.23	112.89					
16.56	50.42						20.66	114.51					
17.16	50.53						21.22	116.30					
17.84	50.78						21.51	118.15					
18.54	51.56						21.82	119.75					
18.92	51.85						21.98	121.43					
19.40	52.10						22.43	124.29					
19.99	52.87						22.68	126.75					
20.40	53.56						23.19	128.41					
21.35	54.32						23.64	129.61					
21.85	54.72						24.05	131.52					
23.01	55.37						24.48	133.03					
24.09	55.81						25.12						

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET						WBS NO.		PROJECT TIP I.D.				ROUTE			
						44677.3.1		U-5875				Allen Rd (SR 1203) from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)			
						COUNTY		FIELD PROFESSIONAL				FIELD CREW			
						Pitt		T. Wenner				CG2 Exploration			
Test Location						Date Run		Test Location						Date Run	
C-23 RTL (LT) -L- Sta. 116+86 1.1 LT FW						8/20/2024		C-24 LT LN -L- Sta. 121+86 0.6 LT FW						8/20/2024	
Type	Test Interval			Datum		Cut/Fill		Type	Test Interval			Datum		Cut/Fill	
DCP	Cumulative cm per blow			ABC		At Grade		DCP	Cumulative cm per blow			ABC		1.8 Fill	
1.03	54.49							1.11	16.61	104.89					
1.69	56.29							1.93	17.02	106.51					
2.21	58.39							2.40	17.21	108.65					
2.86	61.21							2.83	17.32	110.52					
3.20	65.67							3.17	17.50	111.91					
3.77	70.94							3.50	17.94	113.64					
4.02	76.07							3.76	18.27	115.36					
4.44	80.72							3.96	18.49	116.80					
4.85	83.03							4.13	18.66	118.74					
5.48	84.95							4.48	18.98	120.63					
5.98	87.19							4.61	19.35	122.47					
6.46	89.28							4.74	19.76	124.80					
6.78	92.24							4.90	19.89	126.84					
7.06	95.69							5.21	20.15	128.49					
7.60	98.16							5.39	20.31	130.54					
8.01	100.86							5.55	20.88						
8.34	103.52							5.84	21.08						
8.84	105.58							6.12	21.42						
9.54	107.90							6.23	21.94						
10.33	111.35							6.50	22.40						
10.73	114.88							6.83	22.72						
11.45	118.22							7.02	24.20						
12.08	120.22							7.08	24.89						
12.73	122.56							7.31	25.76						
13.46	124.51							7.45	26.53						
13.98	126.91							7.66	27.17						
14.81	128.91							7.81	28.05						
15.13								8.05	29.46						
15.99								8.16	30.57						
16.46								8.36	32.18						
17.07								8.48	33.67						
17.61								8.69	35.51						
17.95								8.94	37.43						
18.44								9.36	39.71						
18.88								9.51	42.11						
19.50								9.74	43.90						
20.13								9.98	45.84						
20.68								10.19	48.36						
21.54								10.41	50.67						
22.10								10.73	53.59						
22.85								10.83	56.18						
23.73								10.97	57.68						
24.50								11.13	59.91						
25.64								11.24	62.77						
26.47								11.41	64.65						
27.71								11.56	66.47						
29.05								12.02	67.92						
30.56								12.16	69.51						
31.52								12.45	71.14						
32.70								12.64	73.08						
34.01								12.90	75.20						
34.96								13.19	76.97						
36.23								13.73	78.92						
37.26								13.85	80.47						
38.55								14.12	82.33						
39.89								14.33	83.94						
41.31								14.50	86.37						
42.61								14.70	89.56						
43.77								14.87	92.04						
45.09								15.08	93.56						
46.65								15.43	95.51						
48.23								15.60	97.36						
49.68								15.82	99.37						
51.24								16.20	101.22						
52.80								16.43	103.01						

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET						WBS NO.	PROJECT TIP I.D.	ROUTE					
						44677.3.1	U-5875	Allen Rd (SR 1203) from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)					
						COUNTY	FIELD PROFESSIONAL	FIELD CREW					
						Pitt	T. Wenner	CG2 Exploration					
Test Location						Date Run	Test Location						Date Run
C-25 CTL -L- Sta. 121+86 16.0 LT FW						8/20/2024	C-26 RT LN -L- Sta. 121+86 0.6 LT FW						8/20/2024
Type	Test Interval			Datum		Cut/Fill	Type	Test Interval			Datum		Cut/Fill
DCP	Cumulative cm per blow			SG (A-4(0))		1.5 Fill	DCP	Cumulative cm per blow			ABC		2.0 Fill
1.41							0.89	31.71					
2.00							1.85	32.38					
2.92							2.36	33.40					
3.79							2.72	33.63					
4.59							3.03	34.66					
5.26							3.45	35.62					
5.97							3.72	37.03					
6.33							3.96	38.31					
6.88							4.36	39.88					
7.19							4.65	42.58					
7.79							4.88	44.98					
8.05							4.95	48.38					
8.48							5.05	50.63					
9.34							5.40	52.89					
9.93							5.66	55.33					
10.55							6.10	58.02					
11.78							6.38	60.97					
12.11							6.75	63.73					
12.87							6.92	67.11					
13.80							7.25	69.96					
15.18							7.46	73.06					
16.81							7.69	75.83					
18.77							8.06	78.83					
20.97							8.25	82.74					
22.88							8.53	86.07					
24.96							8.75	88.51					
26.22							9.10	90.61					
27.63							9.22	92.20					
29.68							9.59	93.47					
31.03							9.90	94.59					
32.80							10.08	96.14					
33.79							10.32	97.88					
35.32							10.53	99.45					
36.76							10.84	100.65					
38.17							11.23	102.22					
39.52							11.42	103.97					
41.45							11.74	105.38					
43.76							12.04	106.85					
45.57							12.23	108.49					
47.56							12.42	110.29					
49.24							12.58	112.26					
51.30							12.63	114.08					
52.76							13.05	115.90					
55.12							13.25	117.66					
57.04							13.59	119.28					
58.84							13.77	121.11					
60.90							14.23	122.83					
62.68							14.53	124.58					
Utility							14.99	126.81					
Present							15.28	129.15					
							15.78						
							16.48						
							17.16						
							17.87						
							18.62						
							19.60						
							21.56						
							22.70						
							23.45						
							24.85						
							26.26						
							27.72						
							28.72						
							30.14						
							30.90						

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET						WBS NO.	PROJECT TIP I.D.	ROUTE					
						44677.3.1	U-5875	Allen Rd (SR 1203) from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)					
						COUNTY	FIELD PROFESSIONAL	FIELD CREW					
						Pitt	T. Wenner	CG2 Exploration					
Test Location						Date Run	Test Location						Date Run
C-27 RTL (LT) -L- Sta. 125+29 0.7 LT FW						8/20/2024	C-28 LT LN -L- Sta. 137+61 5.3 LT EOP						8/20/2024
Type	Test Interval			Datum		Cut/Fill	Type	Test Interval			Datum		Cut/Fill
DCP	Cumulative cm per blow			SG (A-2-4)		1.1 Fill	DCP	Cumulative cm per blow			ABC		At Grade
1.95							5.89	81.26					
3.22							7.92	84.70					
4.04							9.33	87.13					
4.59							10.08	89.54					
5.11							10.72	91.49					
5.40							11.17	93.40					
5.80							11.67	95.37					
6.33							12.11	96.90					
6.64							12.56	98.32					
7.03							12.82	99.89					
7.43							13.19	101.72					
7.86							13.64	103.30					
8.15							14.27	105.37					
8.61							14.72	107.52					
9.08							15.14	108.63					
9.55							15.52	110.33					
9.83							15.95	112.24					
10.58							16.48	114.37					
11.16							16.74	116.31					
11.89							17.30	118.04					
12.49							17.88	120.51					
13.12							18.22	122.23					
13.86							18.61	123.16					
14.83							19.14	123.84					
15.89							19.56	124.71					
16.38							19.88	125.87					
18.38							20.19	127.13					
20.07							20.44	128.69					
23.11							21.18	130.14					
25.29							21.90	131.68					
27.32							22.49	133.52					
29.61							23.59	135.43					
31.77							24.29						
33.85							25.69						
36.13							27.15						
38.27							28.64						
40.93							30.00						
43.49							30.84						
46.41							32.09						
49.58							33.16						
52.81							33.64						
56.77							34.33						
60.48							34.89						
64.72							35.62						
68.82							36.29						
73.78							36.89						
78.17							37.70						
82.27							38.47						
86.29							39.10						
89.99							39.88						
93.61							40.69						
96.61							41.54						
99.77							42.61						
102.31							43.85						
105.16							45.54						
107.98							47.55						
110.90							50.33						
113.87							53.10						
116.77							56.09						
119.74							59.50						
122.52							63.38						
125.22							67.14						
127.87							70.33						
130.06							73.92						
131.79							77.81						

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET						WBS NO.	PROJECT TIP I.D.	ROUTE					
						44677.3.1	U-5875	Allen Rd (SR 1203) from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)					
						COUNTY	FIELD PROFESSIONAL	FIELD CREW					
						Pitt	T. Wenner	CG2 Exploration					
Test Location						Date Run	Test Location						Date Run
C-29 LTL (I) -L- Sta. 137+61 31.1 LT EOP						8/20/2024	C-30 RT LN -L- Sta. 137+61 19.0 LT EOP						8/20/2024
Type	Test Interval		Datum			Cut/Fill	Type	Test Interval		Datum			Cut/Fill
DCP	Cumulative cm per blow		SG (A-4)			1.6 Fill	DCP	Cumulative cm per blow		ABC			1.8 Fill
1.70	29.42						1.27	17.94	140.32				
2.52	29.92						2.15	18.27					
3.02	30.56						2.70	18.52					
3.43	31.17						3.12	18.98					
3.94	31.81						3.33	19.36					
4.36	32.65						3.51	19.89					
4.88	33.66						3.63	20.05					
5.26	34.51						3.88	20.50					
5.46	35.60						4.18	21.14					
5.83	36.70						4.37	21.66					
6.15	37.38						4.52	22.08					
6.40	37.99						4.80	22.70					
6.61	38.86						4.98	23.21					
6.90	39.50						5.10	23.98					
7.35	40.21						5.21	24.73					
7.66	40.89						5.35	25.34					
7.88	41.50						5.53	26.06					
8.13	42.28						5.75	26.73					
8.44	43.18						6.00	27.69					
8.57	43.78						6.10	28.45					
8.74	44.43						6.26	29.79					
8.98	45.26						6.51	31.37					
9.19	46.35						6.61	32.85					
9.69	47.20						6.96	34.22					
9.97	48.37						7.17	35.32					
10.46	49.82						7.44	36.34					
10.61	51.27						7.79	37.46					
11.02	53.72						8.06	38.73					
11.51	56.09						8.36	39.92					
12.00	62.50						8.54	41.36					
12.47	68.06						8.70	43.21					
13.12	71.64						8.97	46.04					
13.60	76.35						9.18	48.18					
14.22	80.54						9.39	51.11					
14.90	84.44						9.53	54.87					
15.36	87.90						9.79	60.13					
15.98	91.45						9.89	65.07					
16.74	95.59						10.11	69.54					
17.42	98.94						10.33	72.63					
18.12	101.79						10.60	75.72					
18.82	104.96						10.91	78.52					
19.33	107.95						11.14	81.48					
20.00	110.32						11.42	85.01					
20.37	113.05						11.72	88.17					
20.95	115.26						11.87	91.64					
21.39	117.11						12.20	95.22					
21.69	118.59						12.42	97.80					
22.17	120.03						12.66	101.16					
22.67	121.73						12.86	103.43					
22.97	124.08						13.04	105.93					
23.27	126.71						13.27	109.21					
23.67	129.97						13.40	111.30					
24.06							13.64	113.41					
24.32							13.74	115.90					
24.76							14.16	118.38					
25.21							14.58	120.89					
25.62							14.86	123.35					
25.91							15.11	125.77					
26.38							15.32	128.88					
26.82							15.70	130.68					
27.08							15.88	132.45					
27.35							16.13	133.91					
28.06							16.46	135.43					
28.40							16.79	137.25					
28.84							17.47	138.51					

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET						WBS NO.		PROJECT TIP I.D.				ROUTE			
						44677.3.1		U-5875				Allen Rd (SR 1203) from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)			
						COUNTY		FIELD PROFESSIONAL				FIELD CREW			
						Pitt		T. Wenner				CG2 Exploration			
Test Location						Date Run		Test Location						Date Run	
C-31 RTL (RT) -L- Sta. 137+61 1.4 LT EOP						8/20/2024		C-32 LT OSL -Y- Sta. 16+95 3.6 LT EOP						8/20/2024	
Type	Test Interval			Datum		Cut/Fill		Type	Test Interval			Datum		Cut/Fill	
DCP	Cumulative cm per blow			ABC		At Grade		DCP	Cumulative cm per blow			ABC		2.0 Fill	
2.16	40.93							2.59	9.77	36.68	94.47				
4.17	45.33							3.17	9.80	36.97	96.79				
5.12	48.85							3.53	9.84	37.20	98.65				
5.72	52.00							3.91	9.88	37.48	100.47				
6.05	54.86							4.21	9.92	37.83	102.60				
6.37	57.68							4.34	9.95	38.04	104.33				
6.79	59.95							4.50	9.99	38.37	105.68				
6.94	62.44							4.80	10.03	38.50	107.13				
7.04	65.32							4.97	DCP REF.	38.66	108.70				
7.24	67.33							5.12	50/0.75	39.00	109.97				
7.45	69.72							5.23	Auger to	39.24	111.48				
7.64	71.61							5.41	17.65	39.71	113.04				
7.84	73.45							5.54	19.13	39.84	114.56				
7.95	75.29							5.84	20.19	40.21	116.25				
8.33	76.99							5.89	21.92	40.49	117.74				
8.69	78.86							6.07	22.68	40.98	119.56				
8.99	80.97							6.15	22.97	41.54	121.05				
9.12	82.84							6.29	23.36	41.95	122.47				
9.35	83.97							6.50	23.96	42.35	123.85				
9.62	85.87							6.80	24.50	43.15	125.20				
9.88	87.42							7.00	24.85	43.71	126.50				
10.23	88.95							7.17	25.31	44.22	128.03				
10.35	90.44							7.31	25.89	44.96	129.43				
10.67	91.87							7.52	26.34	45.87	130.75				
10.99	93.53							7.68	26.82	46.98	132.48				
11.31	95.14							7.81	27.09	47.64					
11.63	97.04							7.98	27.39	49.42					
12.06	98.87							8.19	27.65	51.09					
12.31	101.03							8.33	27.89	53.26					
12.68	103.14							8.57	28.32	54.19					
12.99	105.39							8.74	29.02	54.96					
13.25	106.96							8.76	29.17	55.37					
13.45	108.88							8.79	29.36	55.96					
13.86	110.60							8.81	29.51	56.58					
14.19	111.74							8.84	29.80	57.25					
14.43	113.46							8.86	30.03	57.98					
14.58	115.30							8.88	30.31	58.52					
14.74	116.79							8.91	30.53	59.21					
15.17	118.20							8.93	30.68	60.32					
15.92	119.84							8.95	30.80	61.14					
16.07	121.17							8.98	30.96	61.86					
16.22	122.65							9.00	31.20	62.93					
16.65	123.76							9.03	31.47	64.00					
16.82	125.56							9.05	31.68	65.06					
17.09	127.03							9.07	31.93	65.89					
17.55	128.44							9.10	32.28	66.76					
17.99	129.40							9.12	32.48	67.57					
18.52	130.51							9.14	32.67	68.25					
18.71	131.55							9.17	32.93	69.16					
18.93	132.72							9.19	33.19	70.02					
19.71	133.80							9.22	33.50	71.03					
20.37	134.72							9.24	33.73	71.78					
21.11	136.18							9.28	33.98	73.67					
21.74	137.31							9.32	34.11	75.20					
22.62								9.35	34.45	77.00					
23.24								9.39	34.64	78.33					
23.62								9.43	34.83	79.92					
24.42								9.47	35.02	81.18					
24.91								9.50	35.22	82.18					
25.65								9.54	35.43	83.33					
26.75								9.58	35.64	84.59					
27.64								9.62	35.79	85.88					
29.21								9.65	35.96	87.88					
31.95								9.69	36.27	90.38					
36.24								9.73	36.44	92.48					

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET						WBS NO.	PROJECT TIP I.D.	ROUTE					
						44677.3.1	U-5875	Allen Rd (SR 1203) from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)					
						COUNTY	FIELD PROFESSIONAL	FIELD CREW					
						Pitt	T. Wenner	CG2 Exploration					
Test Location						Date Run	Test Location						Date Run
C-33 CTL -Y- Sta. 16+95 6.6 LT FY (FR LT LN)						8/20/2024	C-34 RT OSL/RTL -Y- Sta. 16+95 2.6 LT EOP						8/20/2024
Type	Test Interval			Datum		Cut/Fill	Type	Test Interval			Datum		Cut/Fill
DCP	Cumulative cm per blow			SG (A-4(1))		At Grade	DCP	Cumulative cm per blow			ABC		2.3 Fill
1.47							0.61	9.57	23.75	118.39			
2.31							1.04	9.85	24.05	120.36			
3.18							1.32	10.11	24.40	122.77			
4.07							1.64	10.28	25.01	125.29			
5.01							1.96	10.68	25.36	127.47			
5.99							2.34	10.83	25.87	129.61			
7.03							2.50	11.10	26.14	131.48			
8.15							2.61	11.38	26.51				
9.37							2.80	11.49	26.98				
11.05							2.90	11.65	27.33				
13.53							3.14	11.75	27.95				
16.87							3.29	11.94	28.44				
21.75							3.57	12.11	28.85				
24.59							3.76	12.26	29.43				
30.61							4.05	12.51	30.00				
36.17							4.15	12.77	30.61				
41.85							4.37	12.92	31.11				
46.88							4.41	13.02	31.73				
52.24							4.44	13.08	32.09				
57.58							4.48	13.14	32.60				
61.45							4.52	13.21	33.10				
65.42							4.55	13.27	33.69				
68.89							4.59	13.33	34.21				
71.80							4.62	13.39	35.16				
74.84							4.66	13.45	35.77				
77.49							4.70	13.51	36.14				
79.92							4.73	13.58	36.74				
82.48							4.77	13.64	37.32				
84.83							4.83	13.70	38.11				
87.08							4.88	13.82	38.71				
89.30							4.94	13.94	39.65				
91.72							4.99	14.07	40.40				
93.86							5.05	14.19	41.29				
96.26							5.10	14.31	42.23				
98.26							5.16	14.43	43.16				
100.00							5.21	14.55	44.28				
101.89							5.27	14.67	45.04				
							5.32	14.80	45.64				
							5.38	14.92	46.58				
							5.47	15.04	47.45				
							5.55	15.43	48.11				
							5.64	15.94	49.17				
							5.73	16.24	49.98				
							5.81	16.46	50.81				
							5.90	16.64	51.77				
							5.98	16.84	52.47				
							6.07	17.11	53.52				
							6.16	17.44	54.76				
							6.24	17.57	55.78				
							6.33	17.89	57.63				
							6.80	18.23	61.08				
							7.14	18.72	65.91				
							7.43	19.11	72.14				
							7.59	19.37	77.40				
							7.95	19.58	81.66				
							8.14	19.89	84.94				
							8.30	20.32	89.08				
							8.45	20.71	93.10				
							8.54	21.06	97.13				
							8.70	21.52	101.17				
							8.91	21.79	105.00				
							8.99	22.07	108.11				
							9.14	22.47	111.38				
							9.21	22.75	113.11				
							9.41	23.26	115.57				

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET						WBS NO.		PROJECT TIP I.D.				ROUTE			
						44677.3.1		U-5875				Allen Rd (SR 1203) from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)			
						COUNTY		FIELD PROFESSIONAL				FIELD CREW			
						Pitt		T. Wenner				CG2 Exploration			
Test Location						Date Run		Test Location						Date Run	
C-35 RT OSL -Y- Sta. 21+59 7.0 LT FW						8/20/2024		C-36 LT LN (O) -Y- Sta. 25+55 1.0 LT FW						8/20/2024	
Type	Test Interval			Datum		Cut/Fill		Type	Test Interval			Datum		Cut/Fill	
DCP	Cumulative cm per blow			SG (A-4(1))		3.0 Fill		DCP	Cumulative cm per blow			SG (A-2-4)		4.0 Fill	
0.92	17.22	43.42						1.62	108.35						
1.29	17.62	44.10						2.41	111.68						
1.84	17.74	44.98						3.36	115.38						
2.20	18.11	45.75						4.06	118.17						
2.41	18.37	46.21						4.80							
2.67	18.59	46.96						5.73							
2.96	18.85	47.79						6.17							
3.28	19.20	48.63						6.88							
3.49	19.48	49.44						7.57							
3.72	19.80	49.86						8.26							
4.07	19.98	50.30						8.85							
4.32	20.16	51.16						9.75							
4.40	20.34	51.84						10.69							
4.77	20.51	52.40						11.69							
5.02	20.73	53.28						11.91							
5.28	21.24	53.93						12.82							
5.49	21.63	54.68						13.49							
5.70	21.83	55.15						14.49							
6.31	22.21	55.57						15.37							
6.50	22.42	56.50						16.20							
6.84	22.84	57.38						17.18							
7.08	23.35	58.15						18.28							
7.33	23.70	59.20						19.17							
7.49	24.00	59.94						20.55							
7.78	24.47	60.91						21.81							
7.95	24.86	61.74						23.34							
8.24	25.31	62.80						25.38							
8.52	25.67	63.78						28.80							
8.68	26.02	64.52						30.39							
8.83	26.37	65.54						31.09							
9.12	26.77	66.29						31.53							
9.36	27.33	67.12						31.85							
9.62	27.69	67.99						32.09							
9.88	28.25	69.09						32.38							
10.05	28.63	70.03						32.66							
10.25	28.96	71.26						33.15							
10.38	29.15	72.43						33.76							
10.71	29.45	74.44						34.48							
10.87	29.73	76.51						34.94							
11.04	30.36	78.84						35.74							
11.27	30.72	80.76						36.56							
11.57	31.17	82.15						37.31							
11.78	31.72	84.02						38.58							
12.01	32.15	86.12						39.30							
12.28	32.61	88.85						41.02							
12.52	33.01	92.76						43.94							
12.82	33.50	98.09						44.69							
13.09	33.88	102.07						46.61							
13.32	34.42	105.33						49.30							
13.47	34.86	108.79						51.92							
13.64	35.29	111.81						54.87							
14.00	35.87	115.66						58.19							
14.21	36.18	119.78						61.99							
14.35	36.69	123.70						65.79							
14.56	37.11	127.21						69.84							
14.71	37.52	131.30						73.96							
15.07	37.94							78.34							
15.33	38.52							82.50							
15.64	39.11							85.88							
16.04	39.73							89.47							
16.25	40.36							91.94							
16.35	40.99							95.10							
16.50	41.52							98.48							
16.79	42.10							101.80							
16.98	42.81							105.02							

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET								WBS NO.	PROJECT TIP I.D.	ROUTE							
								44677.3.1	U-5875	Allen Rd (SR 1203) from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)							
								COUNTY	FIELD PROFESSIONAL	FIELD CREW							
								Pitt	T. Wenner	CG2 Exploration							
Test Location								Date Run	Test Location								Date Run
C-37 LT LN (I) -Y- Sta. 25+55 4.5 LT FW								8/20/2024	C-38 RT LN -Y- Sta. 25+55 0.6 LT FW								8/20/2024
Type	Test Interval			Datum				Cut/Fill	Type	Test Interval			Datum				Cut/Fill
DCP	Cumulative cm per blow			SG (A-2-4)				2.0 Fill	DCP	Cumulative cm per blow			SG (A-4)				At Grade
1.94									1.46	76.74							
3.05									2.92	81.03							
4.23									3.52	85.20							
5.49									4.16	89.21							
6.89									4.76	92.50							
8.90									5.25	95.03							
10.63									5.82	97.28							
14.10									6.34	99.00							
18.32									6.97	100.71							
20.81									7.45	102.45							
22.98									8.00	103.77							
24.05									8.33	105.12							
25.90									8.61	106.35							
27.12									9.30	107.60							
28.39									9.91	109.02							
29.51									10.62	110.23							
30.82									11.38	111.46							
32.14									12.07	112.50							
34.05									12.56	114.11							
36.16									13.25	115.42							
39.33									13.81								
43.87									14.76								
47.73									15.86								
50.27									16.89								
52.52									18.53								
54.73									20.53								
56.56									22.79								
58.25									25.72								
59.52									28.90								
60.82									30.59								
62.29									32.60								
64.05									33.46								
66.39									34.29								
69.17									35.25								
72.45									35.79								
75.23									36.40								
78.43									36.98								
81.27									37.62								
84.25									38.27								
87.49									38.75								
90.71									39.28								
93.82									39.70								
96.62									40.19								
99.36									40.59								
102.67									41.20								
105.28									41.59								
108.15									41.99								
110.81									42.61								
113.51									43.12								
116.21									43.55								
118.78									44.25								
									44.76								
									45.48								
									46.32								
									46.93								
									47.66								
									48.56								
									49.43								
									50.78								
									52.23								
									54.03								
									56.67								
									60.24								
									65.20								
									71.30								

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET						WBS NO.		PROJECT TIP I.D.				ROUTE			
						44677.3.1		U-5875				Allen Rd (SR 1203) from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)			
						COUNTY		FIELD PROFESSIONAL				FIELD CREW			
						Pitt		T. Wenner				CG2 Exploration			
Test Location						Date Run		Test Location						Date Run	
C-39 LT OSL -Y8- Sta. 10+96 1.6 LT FW						8/21/2024		C-40 LTL (RT) -Y8- Sta. 12+96 6.5 RT FY						8/21/2024	
Type	Test Interval			Datum		Cut/Fill		Type	Test Interval			Datum		Cut/Fill	
DCP	Cumulative cm per blow			ABC		5.0 Fill		DCP	Cumulative cm per blow			ABC		5.0 Fill	
3.95	11.00	44.17	60.06					1.88	13.36	27.84	63.05	87.97	101.65	128.33	
4.73	11.06	44.41	60.15					3.02	13.45	28.19	64.34	88.11	101.75	128.88	
5.47	DCP REF.	44.77	60.25					3.76	13.55	28.35	65.60	88.25	102.00	129.64	
5.74	50/1.25	45.12	60.78					4.47	13.64	28.54	66.52	88.40	102.27	130.10	
6.16	Auger to	45.27	60.94					4.65	13.74	28.89	67.62	88.54	102.48	130.87	
6.53	23.75	45.63	61.12					4.86	13.83	29.44	68.52	88.69	102.78		
6.70	24.97	46.00	61.17					5.27	13.93	29.81	69.12	88.83	103.05		
6.88	25.75	46.38	61.30					5.48	13.99	30.12	69.46	88.97	103.79		
7.04	26.44	46.85	61.39					5.80	14.06	30.40	70.21	89.12	104.14		
7.19	26.90	47.19	61.48					6.06	14.12	30.59	70.54	89.26	104.84		
7.41	27.33	47.35	61.58					6.27	14.18	30.82	70.94	89.42	105.41		
7.50	27.93	47.83	61.67					6.42	14.25	31.19	71.72	89.57	105.59		
7.54	28.47	48.23	61.76					6.60	14.31	31.54	72.03	89.73	105.91		
7.57	28.81	48.73	61.85					6.79	14.38	31.93	72.44	89.89	106.30		
7.61	29.09	48.96	62.08					6.97	14.44	32.44	72.78	90.04	106.53		
7.64	29.51	49.61	62.31					7.14	14.50	33.21	73.11	90.20	106.78		
7.68	29.76	49.92	62.54					7.29	14.57	33.66	73.44	90.35	107.25		
7.71	30.02	50.26	62.77					7.65	14.63	33.99	73.77	90.51	107.56		
7.75	30.51	50.48	63.00					7.79	15.36	34.45	74.16	90.67	107.80		
7.78	30.90	50.68	63.23					7.91	15.43	34.89	74.64	90.82	108.16		
7.82	31.03	51.05	63.42					8.12	15.51	35.24	75.02	90.98	108.47		
7.85	31.14	51.27	63.61					8.65	15.58	35.53	75.32	91.15	108.90		
7.89	31.29	51.73	63.80					9.05	15.65	35.74	75.73	91.32	109.29		
7.94	31.65	51.97	63.98					9.29	15.72	36.04	76.03	91.49	109.91		
7.99	31.88	52.25	64.17					9.51	15.80	36.40	76.46	91.66	110.13		
8.03	32.26	52.51	64.36					9.67	15.87	36.79	76.72	91.83	110.49		
8.08	32.42	52.85	64.53					9.83	15.94	37.23	76.98	92.00	110.89		
8.13	32.62	53.12	64.69					10.01	16.01	37.59	77.20	92.17	111.22		
8.18	32.92	53.43	64.86					10.28	16.09	38.02	77.52	92.34	111.39		
8.23	33.26	53.60	65.03					10.33	16.16	38.47	77.71	92.51	111.89		
8.28	33.62	53.84	65.19					10.38	18.03	38.83	78.08	92.68	112.36		
8.32	33.92	54.01	65.36					10.43	18.31	39.36	78.70	92.85	112.77		
8.37	34.20	54.31	65.56					10.48	18.75	39.84	79.04	93.11	113.13		
8.42	34.46	54.49	65.75					10.53	19.06	40.48	79.33	93.38	113.50		
8.52	34.57	54.69	65.95					10.57	19.33	40.77	79.65	93.64	114.01		
8.62	34.93	55.02	66.15					10.62	19.81	41.24	79.80	93.90	114.59		
8.72	35.20	55.20	66.34					10.67	20.32	41.60	80.23	94.17	115.08		
8.82	35.45	55.44	66.54					10.72	20.50	42.23	80.51	94.43	115.51		
8.92	35.65	55.58	66.65					10.77	20.63	42.56	80.79	94.69	115.78		
9.01	36.03	55.87	66.76					10.85	20.94	42.95	81.01	94.95	116.47		
9.11	36.22	56.20	66.88					10.92	21.10	43.38	81.32	95.22	116.77		
9.21	36.57	56.44	66.99					11.00	21.35	43.83	81.55	95.48	117.49		
9.31	36.80	56.65	67.10					11.07	21.65	44.19	81.87	95.67	117.89		
9.41	37.24	56.89	67.21					11.15	21.88	44.61	81.98	95.86	118.24		
9.51	37.45	57.24	67.37					11.22	22.19	45.17	82.33	96.05	118.85		
9.59	37.90	57.71	67.53					11.30	22.44	46.11	82.74	96.24	119.46		
9.68	38.09	57.84	67.70					11.37	22.63	46.34	82.88	96.44	119.89		
9.76	38.34	57.98	67.86					11.45	22.86	46.92	83.27	96.63	120.41		
9.84	38.78	58.11	68.02					11.52	22.98	47.45	83.55	96.82	120.92		
9.93	39.03	58.25	68.18					11.60	23.16	47.96	83.80	97.01	121.16		
10.01	39.22	58.38	68.30					11.72	23.31	48.55	84.08	97.20	121.50		
10.10	39.52	58.52	68.42					11.83	23.48	48.94	84.41	97.39	121.88		
10.18	39.74	58.65	68.54					11.95	23.66	49.72	84.63	98.01	122.39		
10.26	40.09	58.79	68.65					12.07	23.75	50.23	84.91	98.42	122.91		
10.35	40.33	58.92	68.77					12.18	24.04	50.82	85.28	98.72	123.35		
10.43	40.54	59.06	68.89					12.30	24.24	51.56	85.59	99.00	123.74		
10.49	40.84	59.19	DCP REF					12.41	24.56	52.64	85.90	99.33	124.07		
10.54	41.18	59.29	50/4.0"					12.53	24.83	53.41	86.08	99.50	124.70		
10.60	41.53	59.38						12.65	25.21	54.29	86.32	99.72	125.34		
10.66	42.16	59.48						12.76	25.64	55.31	86.56	100.03	125.61		
10.72	42.31	59.58						12.88	26.04	56.29	86.74	100.34	125.93		
10.77	42.76	59.67						12.98	26.43	57.46	86.95	100.62	126.44		
10.83	43.00	59.77						13.07	26.69	58.89	87.20	100.71	126.79		
10.89	43.31	59.86						13.17	27.08	60.34	87.68	101.01	127.43		
10.95	43.71	59.96						13.26	27.34	61.62	87.82	101.33	127.96		

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET						WBS NO.		PROJECT TIP I.D.				ROUTE			
						44677.3.1		U-5875				Allen Rd (SR 1203) from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)			
						COUNTY		FIELD PROFESSIONAL				FIELD CREW			
						Pitt		T. Wenner				CG2 Exploration			
Test Location						Date Run		Test Location				Date Run			
C-41 RT ISL -Y8- Sta. 13+10 16.5 RT FY						8/21/2024		C-42 RT OSL -Y8- Sta. 12+96 14.8 LT EOP				8/21/2024			
Type	Test Interval			Datum		Cut/Fill		Type	Test Interval			Datum		Cut/Fill	
DCP	Cumulative cm per blow			ABC		5.0 Fill		DCP	Cumulative cm per blow			ABC		5.0 Fill	
1.10	8.05							1.11	11.61	30.52	48.48	72.32	91.01	118.05	
1.56	8.21							1.93	11.63	30.69	48.93	72.48	91.30	118.77	
1.89	8.37							2.21	11.64	30.85	49.39	72.75	91.58	119.37	
2.23	8.53							2.46	11.66	31.07	49.89	73.45	91.87	119.83	
2.53	8.61							2.69	11.68	31.22	50.35	74.17	92.13	120.45	
2.77	8.68							2.99	11.70	31.42	50.85	74.66	92.39	121.19	
2.88	8.76							3.23	11.72	31.57	51.13	74.88	92.65	121.78	
3.06	8.84							3.34	11.73	31.70	51.36	75.14	92.91	122.36	
3.15	8.91							3.52	11.75	31.92	51.83	75.40	93.17	123.20	
3.45	8.99							3.71	11.77	32.20	52.34	75.76	93.43	124.24	
3.62	DCP REF							3.95	11.79	32.38	52.68	76.31	93.69	125.18	
4.08	50/1.0"							4.12	11.81	32.59	53.03	76.57	93.95	125.60	
4.31	Utility							4.49	11.83	32.87	53.31	76.92	94.21	126.36	
4.60	Present							4.59	11.84	33.35	53.64	77.85	94.47	127.20	
4.98								4.70	11.86	33.65	54.07	78.09	94.73	127.95	
5.23								4.85	11.88	33.86	54.31	78.48	95.48	128.64	
5.37								4.98	11.90	34.11	54.68	78.83	95.89	129.40	
5.56								5.28	11.92	34.25	54.97	79.11	96.32		
5.80								5.42	11.93	34.41	55.39	79.24	96.86		
5.95								5.63	11.95	34.54	55.72	79.54	97.42		
6.22								5.80	11.97	34.80	55.94	79.95	97.80		
6.42								6.07	12.65	35.02	56.16	80.07	98.24		
6.45								6.17	12.96	35.23	56.57	80.27	98.65		
6.48								6.38	13.33	35.41	56.88	80.47	98.94		
6.50								6.55	13.54	35.58	57.17	80.67	99.20		
6.53								7.02	13.79	35.74	57.46	80.87	99.49		
6.56								7.19	13.99	35.99	57.80	81.07	100.03		
6.59								7.29	14.14	36.14	58.16	81.27	100.25		
6.62								7.44	14.38	36.40	58.53	81.47	100.58		
6.64								7.54	14.55	36.63	58.84	81.67	100.95		
6.67								7.73	14.62	36.88	59.19	81.87	101.43		
6.70								8.00	14.77	37.10	59.78	82.07	101.69		
6.73								8.17	14.99	37.27	60.20	82.27	102.02		
6.76								8.48	15.07	37.49	60.64	82.78	102.27		
6.78								8.66	15.20	37.83	61.04	83.63	102.75		
6.81								8.84	15.35	38.02	61.44	84.17	103.29		
6.84								9.06	15.54	38.22	61.78	84.37	103.56		
6.87								9.43	15.64	38.49	62.06	84.57	104.19		
6.90								9.71	15.82	38.74	62.40	84.78	104.56		
6.92								10.04	15.95	39.15	62.86	84.98	105.22		
6.95								10.30	16.20	39.54	63.56	85.18	105.85		
6.98								10.51	DCP REF	39.78	63.97	85.38	106.12		
7.01								10.74	50/0.0"	40.08	64.37	85.58	106.37		
7.04								11.01	Auger to	40.20	64.71	85.78	106.73		
7.07								11.04	23.13	40.68	64.98	85.99	107.39		
7.09								11.07	24.70	40.95	65.57	86.19	107.75		
7.12								11.09	25.12	41.30	65.74	86.39	108.23		
7.15								11.12	25.63	41.67	66.01	86.60	108.64		
7.18								11.15	26.05	41.92	66.22	86.82	108.89		
7.21								11.18	26.50	42.29	66.46	87.03	109.22		
7.23								11.20	26.88	42.54	67.09	87.24	109.92		
7.26								11.23	27.16	42.98	67.50	87.45	110.68		
7.29								11.26	27.37	43.29	68.06	87.67	111.11		
7.32								11.29	27.59	43.49	68.52	87.88	111.51		
7.35								11.31	28.01	43.93	68.82	88.09	112.03		
7.37								11.34	28.25	44.26	69.05	88.30	112.68		
7.40								11.37	28.40	44.48	69.32	88.52	113.06		
7.43								11.40	28.51	44.85	69.63	88.73	113.67		
7.46								11.42	28.69	45.39	69.96	89.02	114.17		
7.49								11.45	28.98	45.99	70.31	89.30	114.63		
7.51								11.48	29.18	46.44	70.62	89.59	115.38		
7.54								11.51	29.37	46.83	70.97	89.87	115.94		
7.57								11.53	29.51	47.30	71.35	90.16	116.50		
7.73								11.56	29.71	47.68	71.67	90.44	117.05		
7.89								11.59	30.15	48.00	72.08	90.73	117.56		

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET						WBS NO.		PROJECT TIP I.D.				ROUTE			
						44677.3.1		U-5875				Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)			
						COUNTY		FIELD PROFESSIONAL				FIELD CREW			
						Pitt		T. Wenner				CG2 Exploration			
Test Location						Date Run		Test Location						Date Run	
C-43 RTL (RT) -Y8- Sta. 12+96 5.5 LT EOP						8/21/2024		C-44 LT OSL -Y8- Sta. 16+99 2.6 LT EOP						8/21/2024	
Type	Test Interval			Datum		Cut/Fill		Type	Test Interval			Datum		Cut/Fill	
DCP	Cumulative cm per blow			SG (A-2-4)		3.0 Fill		DCP	Cumulative cm per blow			ABC		4.0 Fill	
1.69	48.56							1.18	16.96	36.77	61.32	85.36			
2.67	48.94							1.97	17.11	37.25	61.60	86.01			
3.50	49.43							2.54	17.31	37.65	62.10	86.32			
3.86	49.79							2.93	17.57	38.03	62.31	86.94			
4.76	50.07							3.26	17.83	38.50	62.47	87.41			
5.80	50.51							3.60	18.17	39.01	62.63	87.97			
6.35	51.08							3.87	18.46	39.52	62.98	88.28			
7.02	51.47							4.11	18.67	39.95	63.14	88.86			
7.36	52.21							4.42	18.99	40.35	63.50	89.47			
7.85	52.61							4.79	19.22	40.89	63.67	89.88			
8.86	53.19							5.18	19.41	41.53	64.02	90.48			
9.10	53.66							5.63	19.71	41.75	64.26	90.98			
9.80	53.99							5.90	20.15	42.09	64.49	91.68			
10.57	54.49							6.17	20.30	42.71	64.92	92.25			
10.86	55.32							6.43	20.66	43.45	65.31	92.92			
11.54	55.63							6.76	20.92	43.86	65.66	93.51			
12.07	56.12							7.10	21.16	44.43	66.04	94.04			
12.68	56.40							7.25	21.59	44.98	66.33	94.86			
13.36	56.71							7.46	21.78	45.42	66.67	95.40			
13.80	57.08							7.70	21.93	45.95	66.85	95.85			
14.77	57.62							8.20	22.21	46.22	67.16	96.83			
15.17	57.90							8.35	22.50	46.74	67.57	97.19			
15.60	58.69							8.53	22.84	47.38	67.88	97.84			
16.05	59.41							8.61	22.94	47.92	68.15	98.61			
16.65	59.98							8.68	23.10	48.33	68.66	99.38			
17.00	60.33							8.76	23.32	48.81	68.92	99.89			
17.57	60.71							8.83	23.54	49.27	69.31	100.40			
18.32	61.12							8.91	23.89	49.77	69.69	100.99			
18.81	61.50							8.98	24.17	50.12	70.20	101.99			
19.42	62.10							9.06	24.46	50.55	70.53	102.61			
20.02	62.52							9.13	24.57	50.89	70.71	103.39			
20.53	62.96							9.21	24.83	51.27	70.97	104.15			
21.49	63.74							9.28	25.15	51.65	71.40	104.83			
22.00	64.28							9.36	25.36	52.15	71.80	105.81			
23.00	64.86							9.64	25.76	52.51	72.13	106.62			
23.85	65.44							9.99	25.88	52.93	72.53	107.53			
24.59	66.13							10.08	26.10	53.09	73.11	108.88			
25.50	66.66							10.16	26.51	53.55	73.40	109.60			
26.19	67.11							10.25	26.68	53.78	73.92	110.49			
27.07	67.62							10.34	27.04	54.05	74.34	111.40			
28.17	68.15							10.42	27.37	54.29	74.75	112.20			
29.25	69.10							10.51	27.60	54.49	74.94	113.13			
29.99	69.85							10.59	27.94	54.86	75.33	114.13			
30.91	70.47							10.68	28.28	55.29	75.86	115.29			
31.96	71.24							10.77	28.68	55.55	76.18	116.80			
32.92	72.63							10.85	29.05	55.90	76.59	118.26			
33.85	73.51							10.94	29.53	56.10	76.92	119.82			
35.14	75.01							11.12	29.80	56.32	77.59				
36.10	76.88							11.56	30.22	56.72	77.73				
37.23	80.30							11.84	30.44	56.97	78.19				
38.26	81.95							12.26	30.76	57.30	78.59				
39.33	84.27							12.41	31.18	57.49	79.19				
40.10	86.27							12.66	31.59	57.75	79.57				
40.88	88.23							12.99	31.95	58.00	80.10				
41.83	91.22							13.28	32.22	58.33	80.41				
42.43	95.77							13.66	32.64	58.51	80.90				
43.21	101.21							13.97	33.15	58.71	81.35				
43.91	107.20							14.12	33.34	59.00	81.80				
44.55	111.90							14.61	33.69	59.31	82.13				
45.26								14.78	34.08	59.54	82.64				
45.78								14.95	34.44	59.74	83.06				
46.36								15.36	34.98	59.99	83.38				
46.86								15.76	35.37	60.28	83.90				
47.51								16.17	35.87	60.74	84.52				
48.10								16.37	36.41	61.06	84.79				

DUAL MASS DYNAMIC CONE PENETROMETER DATA SHEET						WBS NO.		PROJECT TIP I.D.			ROUTE			
						44677.3.1		U-5875			Allen Rd (SR 1203) from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)			
						COUNTY		FIELD PROFESSIONAL			FIELD CREW			
						Pitt		T. Wenner			CG2 Exploration			
Test Location						Date Run		Test Location			Date Run			
C-45 LT ISL -Y8- Sta. 16+99 18.0 LT EOP						8/21/2024		C-46 RT OSL -Y8- Sta. 22+73 2.5 LT EOP			8/21/2024			
Type	Test Interval			Datum		Cut/Fill		Type	Test Interval			Datum		Cut/Fill
DCP	Cumulative cm per blow			ABC		5.0 Fill		DCP	Cumulative cm per blow			ABC		5.0 Fill
1.10	18.57	50.84	66.59	84.57				2.09	17.62	45.42				
1.72	18.86	51.34	66.83	85.00				3.56	17.76	46.06				
2.26	19.33	51.69	67.15	85.28				4.28	17.90	46.81				
2.55	19.63	51.94	67.34	85.90				4.57	18.04	47.60				
2.67	19.86	52.27	67.45	86.15				4.76	18.17	48.24				
2.93	20.26	52.46	67.73	86.40				4.94	18.31	49.03				
3.09	20.64	52.68	68.04	86.72				5.27	18.60	49.93				
3.27	20.91	52.98	68.21	87.02				5.52	19.07	50.98				
3.58	21.31	53.18	68.41	87.22				5.79	19.64	52.08				
3.79	21.85	53.58	68.57	87.45				6.26	19.88	52.90				
4.12	22.02	53.82	68.98	87.78				6.66	20.33	54.75				
4.45	22.15	54.08	69.37	87.99				6.90	20.48	56.95				
4.60	22.37	54.32	69.74	88.30				7.23	20.80	58.45				
4.88	22.75	54.58	70.05	88.72				7.64	21.06	59.72				
5.03	23.05	54.67	70.32	89.01				7.88	21.29	61.44				
5.24	23.40	54.93	70.54	89.40				8.10	21.59	62.95				
5.43	23.72	55.12	70.80	89.73				8.29	21.91	65.06				
5.55	23.86	55.23	71.08	90.04				8.51	22.05	66.08				
5.73	24.29	55.38	71.40	90.63				8.74	22.30	67.92				
5.95	24.67	55.72	71.70	91.03				8.96	22.66	69.66				
6.13	24.85	55.98	72.01	91.29				9.08	22.88	70.80				
6.32	25.03	56.38	72.23	91.93				9.33	23.17	72.19				
6.62	25.37	56.67	72.41	94.58				9.54	23.43	73.35				
6.89	25.64	56.92	72.59	99.18				9.79	24.03	75.01				
7.13	26.01	57.08	72.94	102.91				10.06	24.39	76.48				
7.46	26.16	57.28	73.16	103.87				10.16	24.64	78.00				
7.70	26.47	57.48	73.47	104.34				10.28	25.57	79.26				
7.95	26.78	57.71	73.95	105.26				10.46	26.13	80.63				
8.22	27.30	57.98	74.17	105.85				10.58	26.68	82.29				
8.39	27.58	58.12	74.51	106.64				10.71	27.31	84.01				
8.60	28.02	58.30	74.78	106.95				10.92	27.69	85.47				
9.04	28.30	58.54	75.07	107.36				11.25	28.37	87.57				
9.24	28.67	58.64	75.36	107.97				11.42	28.85	89.71				
9.61	29.24	58.77	75.68	108.36				11.80	29.63	91.26				
10.05	29.44	59.03	75.77	108.88				12.02	30.18	92.83				
10.58	29.74	59.21	75.94	109.45				12.29	30.76	94.40				
11.35	30.25	59.44	76.25	110.20				12.63	31.18	96.05				
11.63	30.48	59.65	76.50	110.77				12.99	31.74	97.68				
12.00	31.23	59.79	76.68	111.44				13.41	32.12	98.85				
12.41	31.70	60.03	77.02	111.95				13.65	32.57	100.45				
12.66	32.03	60.32	77.52	112.40				13.90	33.00	101.40				
13.07	32.47	60.50	77.92	113.32				14.05	33.54	102.74				
13.25	32.72	60.86	78.17	113.96				14.28	34.10	104.18				
13.56	33.36	61.12	78.66	114.57				14.47	34.67	106.01				
13.77	33.94	61.49	78.95	115.01				14.72	35.21	107.21				
13.92	34.57	61.81	79.34	115.67				14.97	35.68	108.61				
14.19	35.26	62.15	79.66	116.11				15.19	36.21	109.91				
14.50	35.95	62.46	80.09	116.69				15.41	37.26	111.57				
14.66	36.67	62.75	80.34	117.12				15.72	37.63	113.27				
14.84	37.61	62.98	80.44	117.80				15.82	38.19	115.60				
15.07	38.79	63.28	80.74	118.43				15.92	38.65	117.19				
15.47	39.32	63.56	81.06	119.10				16.01	39.00	119.01				
15.70	40.29	63.82	81.36	119.56				16.11	39.50	121.07				
15.93	41.13	64.02	81.49	120.19				16.21	39.85	122.30				
16.03	42.09	64.27	81.68	120.79				16.31	40.40	123.48				
16.18	43.17	64.44	81.84	121.49				16.41	40.86	124.92				
16.30	44.22	64.65	82.00	122.05				16.51	41.12	125.91				
16.52	44.68	64.77	82.32	123.08				16.60	41.60	127.22				
16.67	45.98	64.86	82.65					16.70	42.00	128.45				
16.71	46.92	64.98	83.01					16.80	42.49	129.52				
17.02	48.25	65.26	83.32					16.94	43.04	131.12				
17.55	49.03	65.49	83.63					17.07	43.65	132.27				
17.70	49.58	65.66	83.90					17.21	44.04	133.35				
17.95	50.01	65.99	84.14					17.35	44.60					
18.36	50.38	66.28	84.36					17.49	44.91					



CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

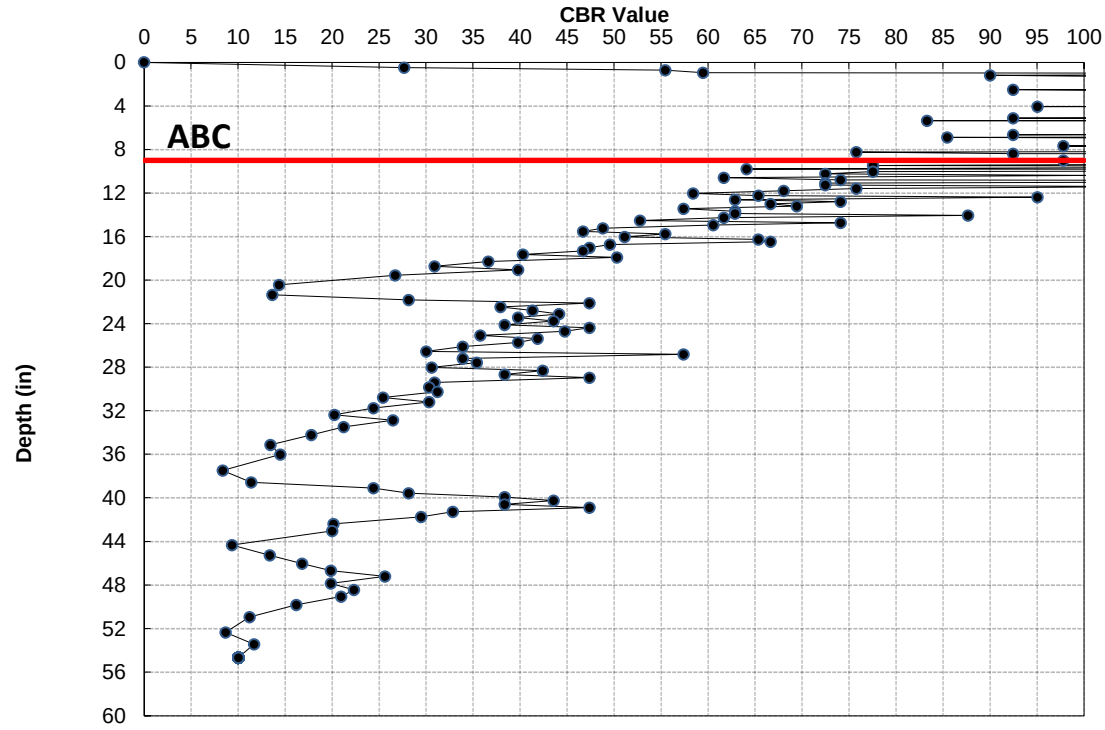
FILE	DCP Graphs C-1- to C-20
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C-1 LT OSL

-L- Sta. 15+20 1.4 LT EOP
Datum = ABC
DCP
4.0 Fill
08/20/24

Interval 0.0 to 9.0	
# of Values	86
Avg CBR	100+
Wghtd Avg.	100+
Max CBR	100+
Min CBR	27.7

Interval 9.0 to 54.7	
# of Values	109
Avg CBR	49.3
Wghtd Avg.	31.7
Max CBR	100+
Min CBR	8.4



1

CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

Sheet 35

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

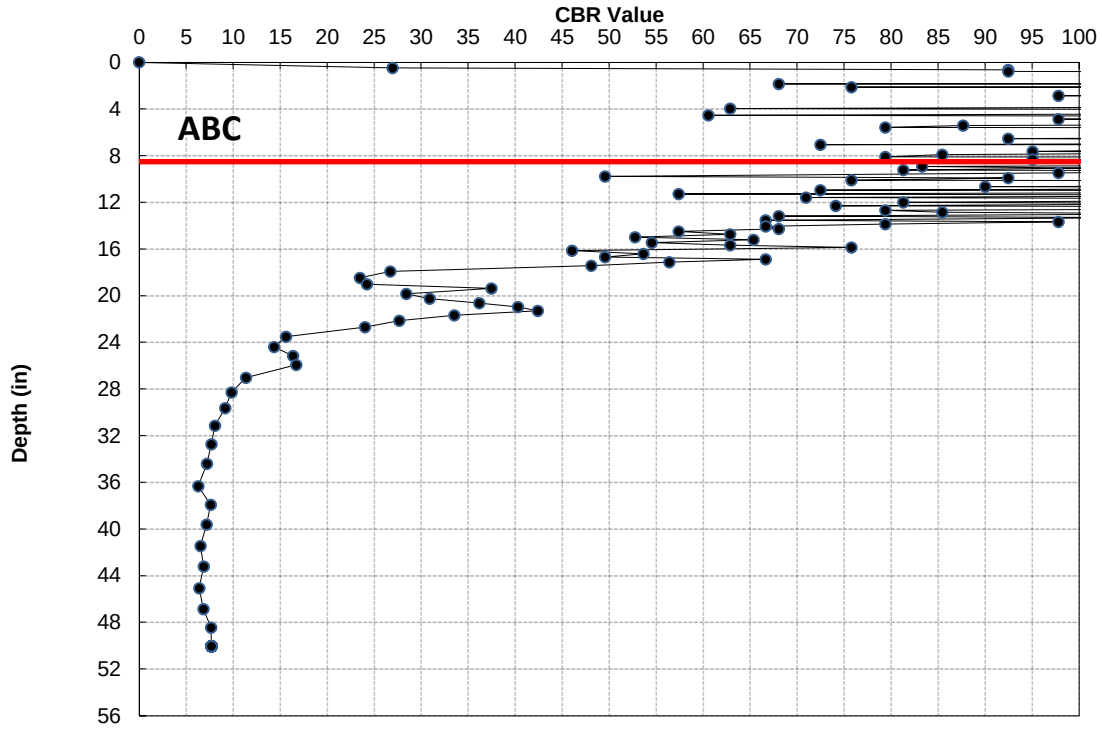
FILE	DCP Graphs C-1- to C-20
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C-3 RTL (RT)

-L- Sta. 17+52 9.0 LT EOP
Datum = ABC
DCP
At Grade
08/20/24

Interval 0.0 to 8.5	
# of Values	77
Avg CBR	100+
Wghtd Avg.	100+
Max CBR	100+
Min CBR	26.9

Interval 8.5 to 50.0	
# of Values	82
Avg CBR	64.1
Wghtd Avg.	25.9
Max CBR	100+
Min CBR	6.3



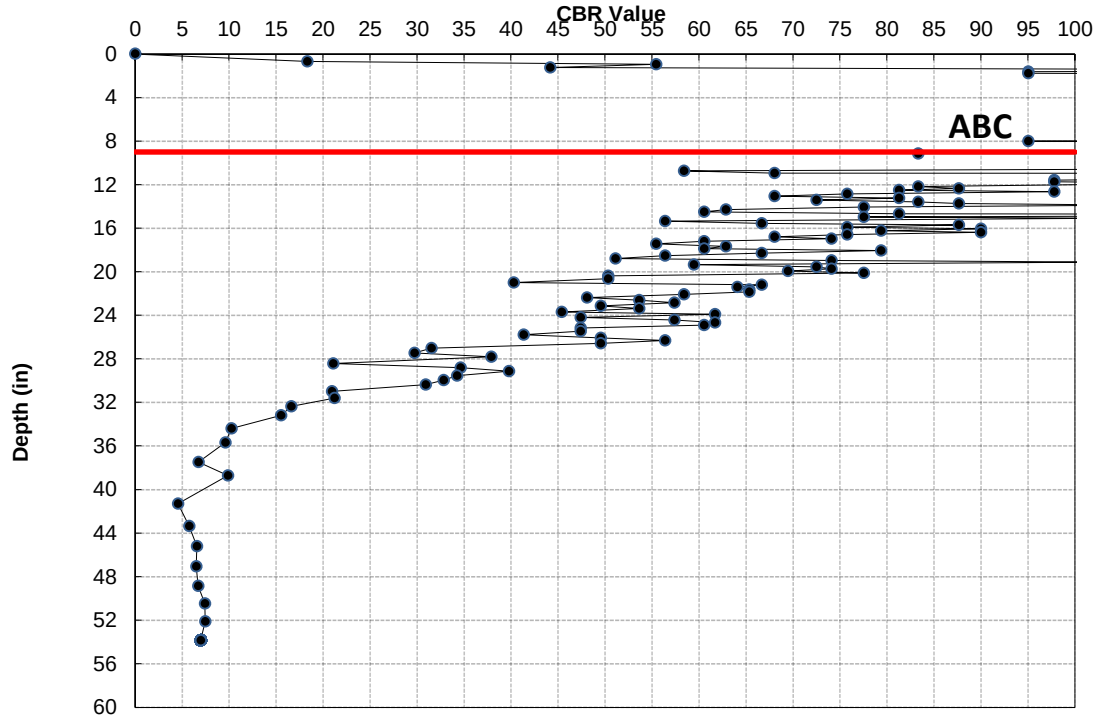
3

C-2 RT OSL

-L- Sta. 15+67 1.7 LT EOP
Datum = ABC
DCP
5.0 Fill
08/20/24

Interval 0.0 to 9.0	
# of Values	101
Avg CBR	100+
Wghtd Avg.	100+
Max CBR	100+
Min CBR	18.3

Interval 9.0 to 53.8	
# of Values	119
Avg CBR	73.4
Wghtd Avg.	35.5
Max CBR	100+
Min CBR	4.6



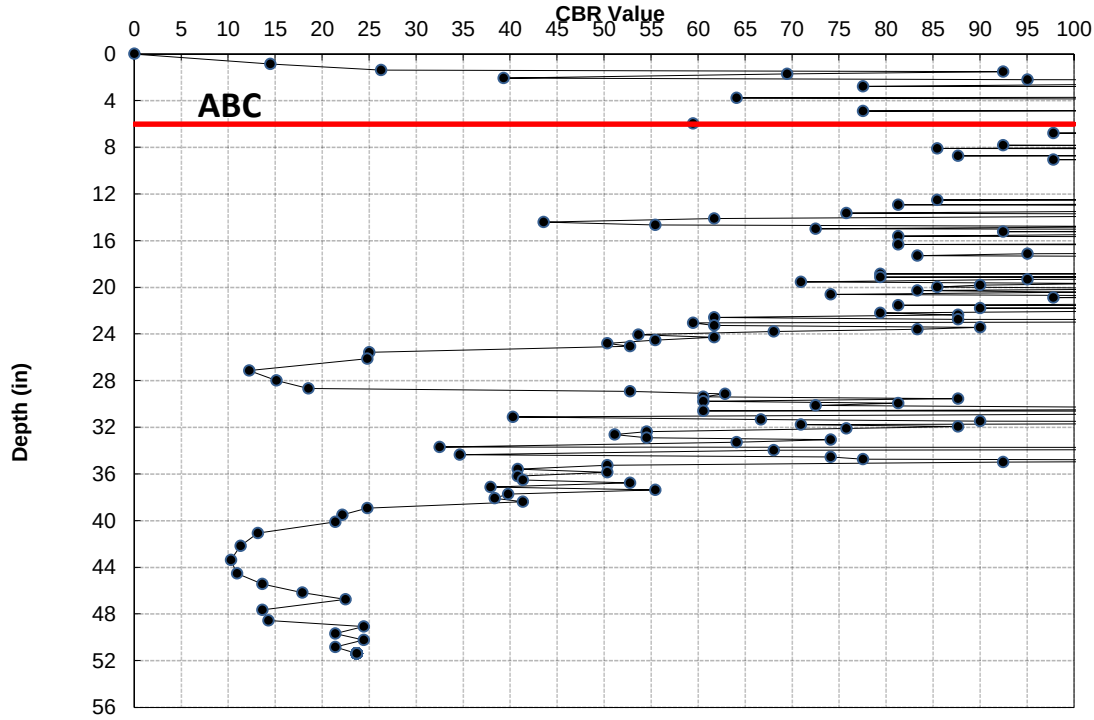
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C-4 RTL (LT)

-L- Sta. 20+52 2.2 LT EOP
Datum = ABC
DCP
3.5 Fill
08/20/24

Interval 0.0 to 6.0	
# of Values	52
Avg CBR	100+
Wghtd Avg.	100+
Max CBR	100+
Min CBR	14.5

Interval 6.0 to 51.4	
# of Values	251
Avg CBR	100+
Wghtd Avg.	77.6
Max CBR	100+
Min CBR	10.3



4

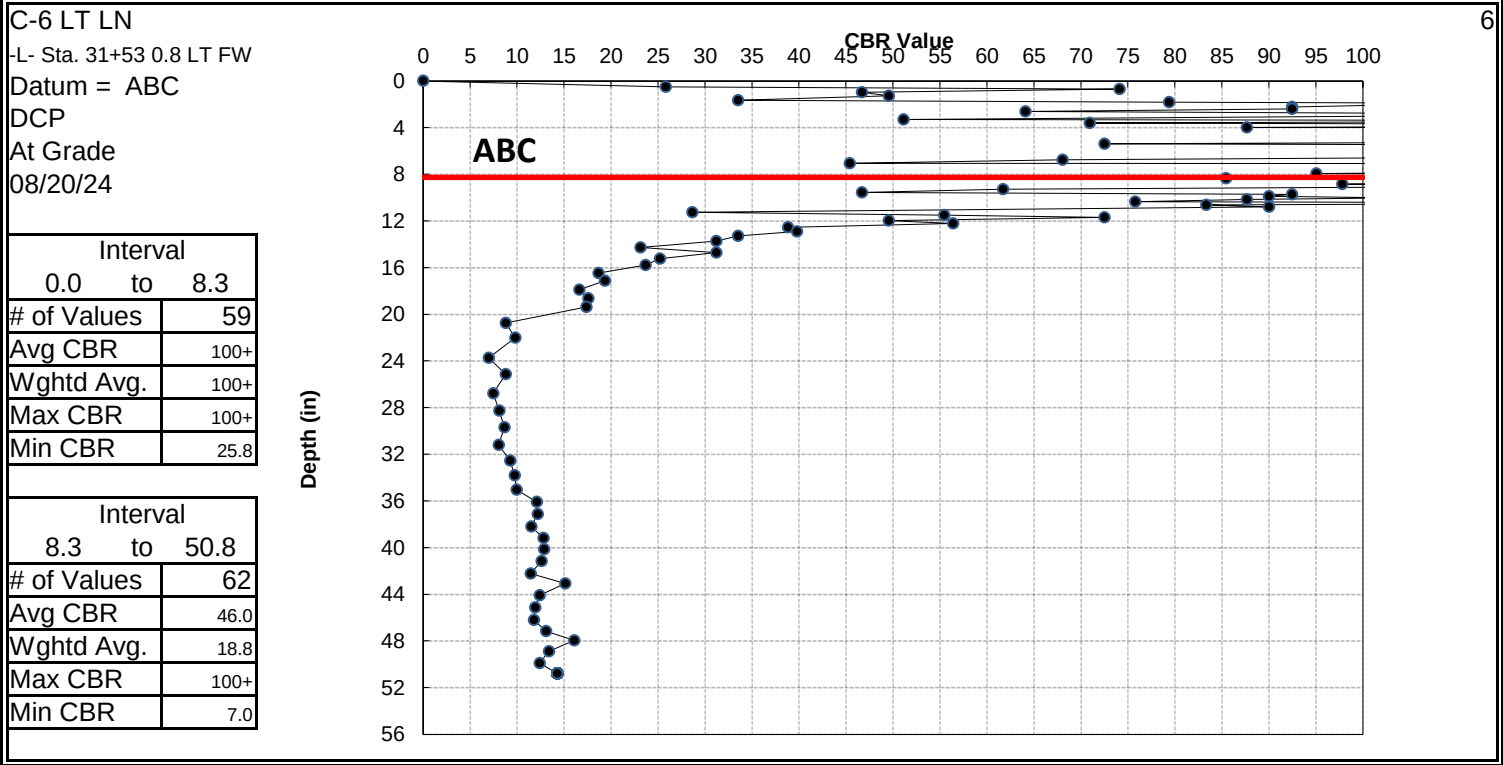
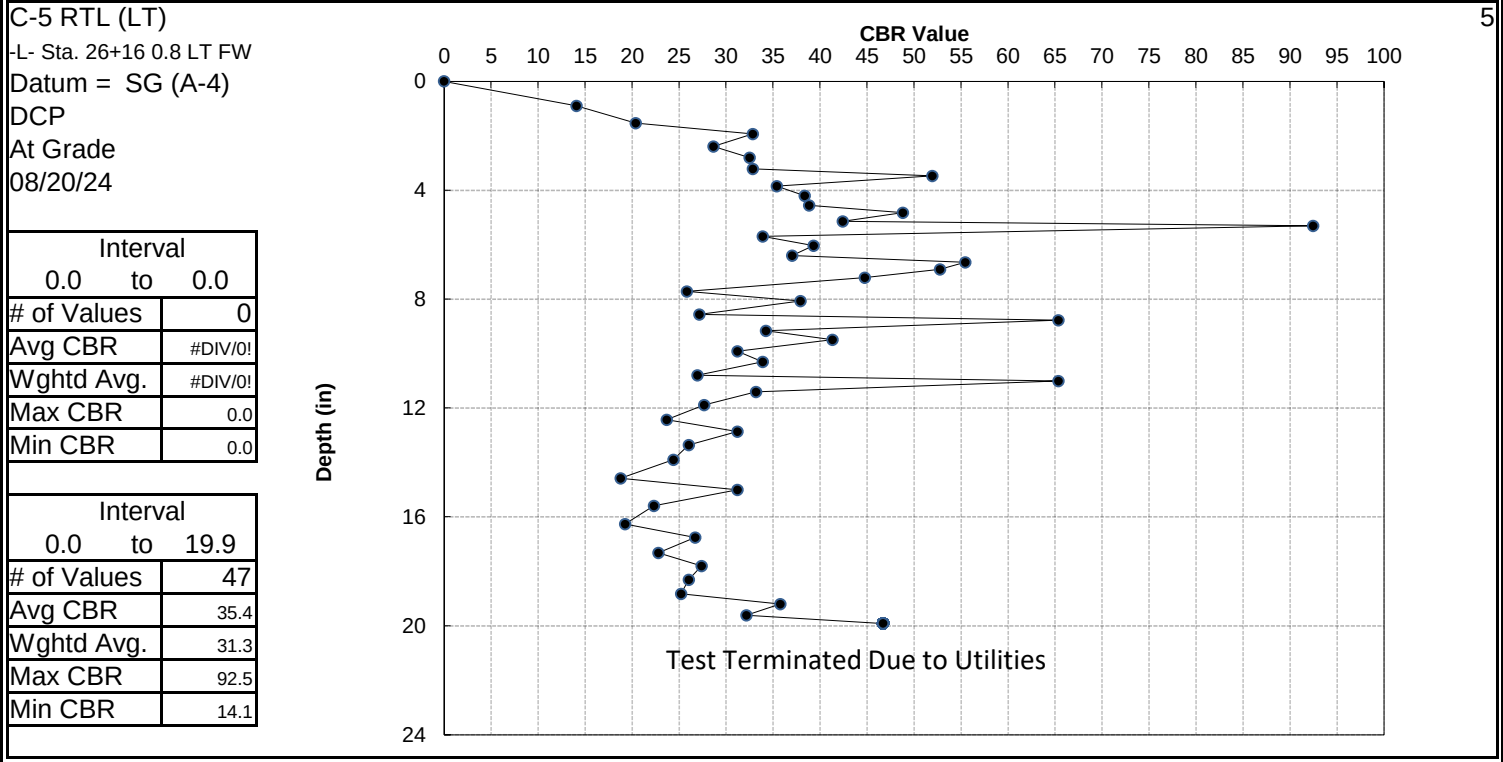


CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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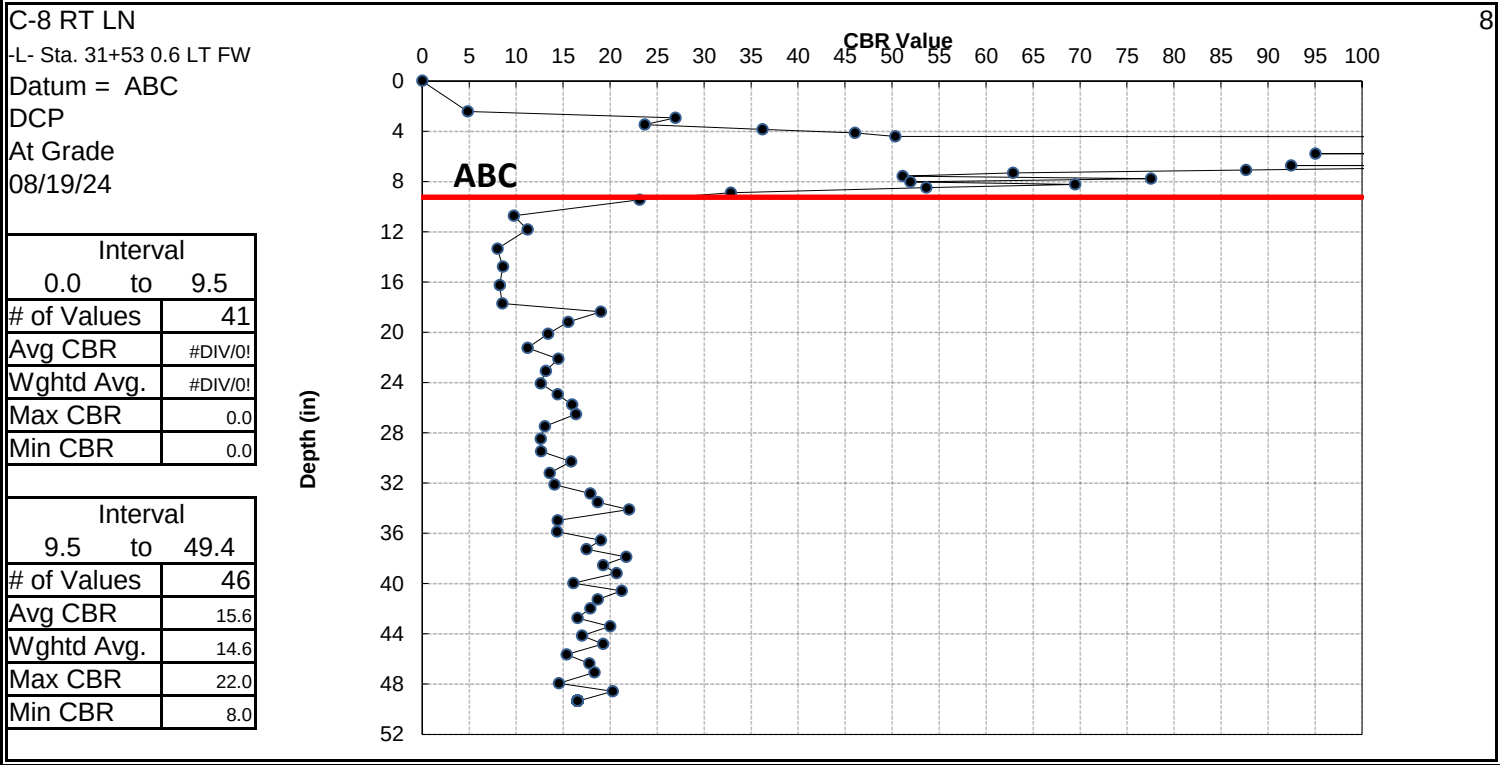
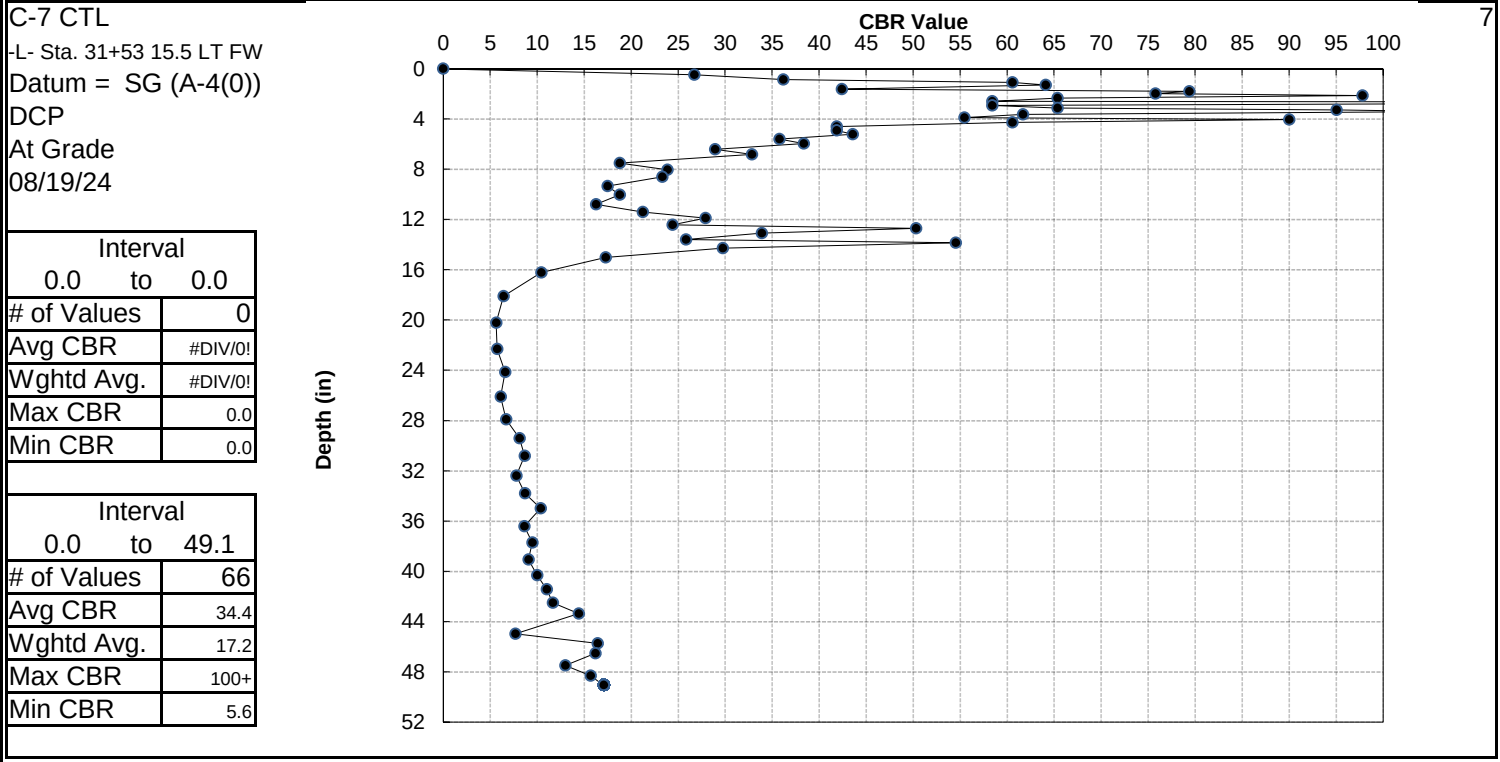


CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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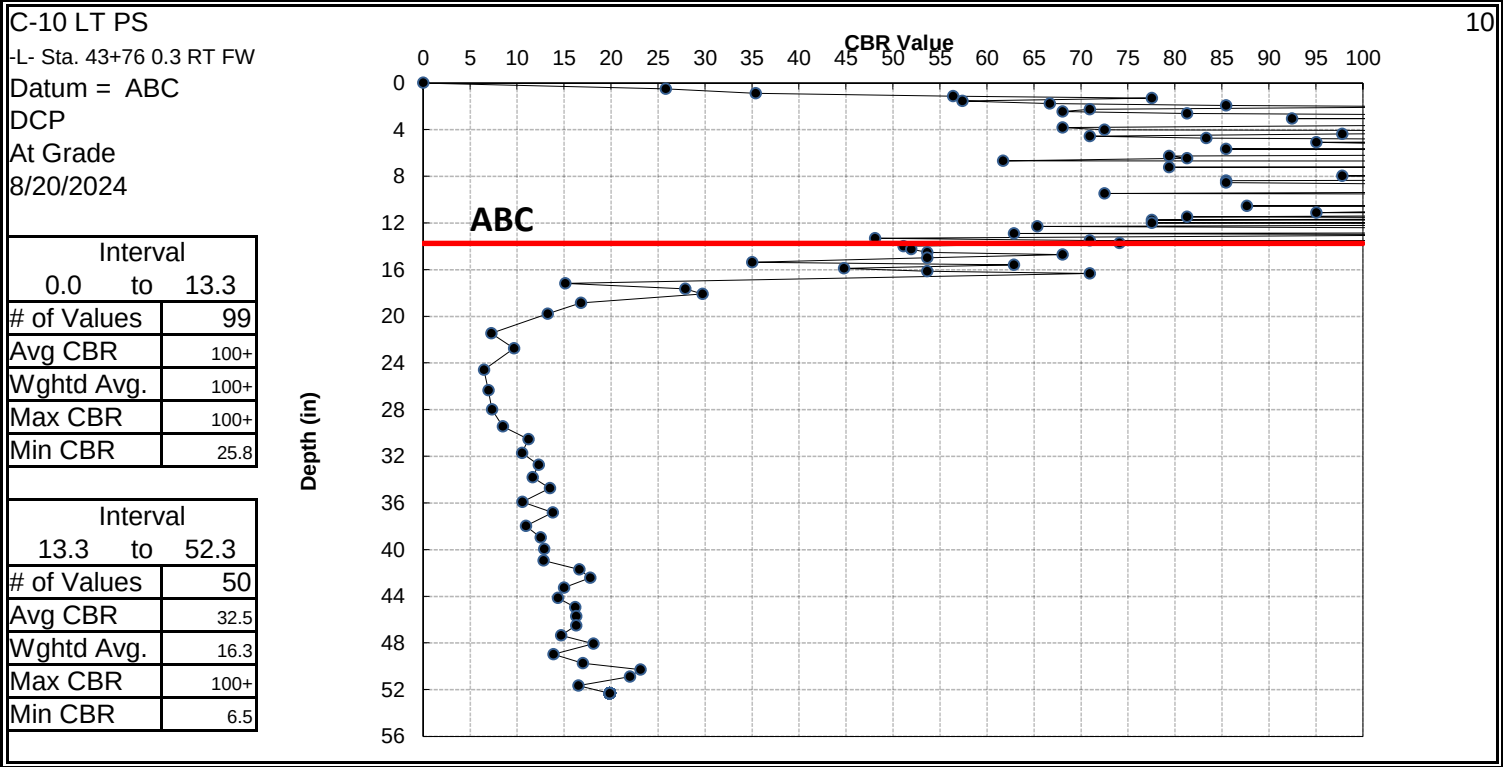
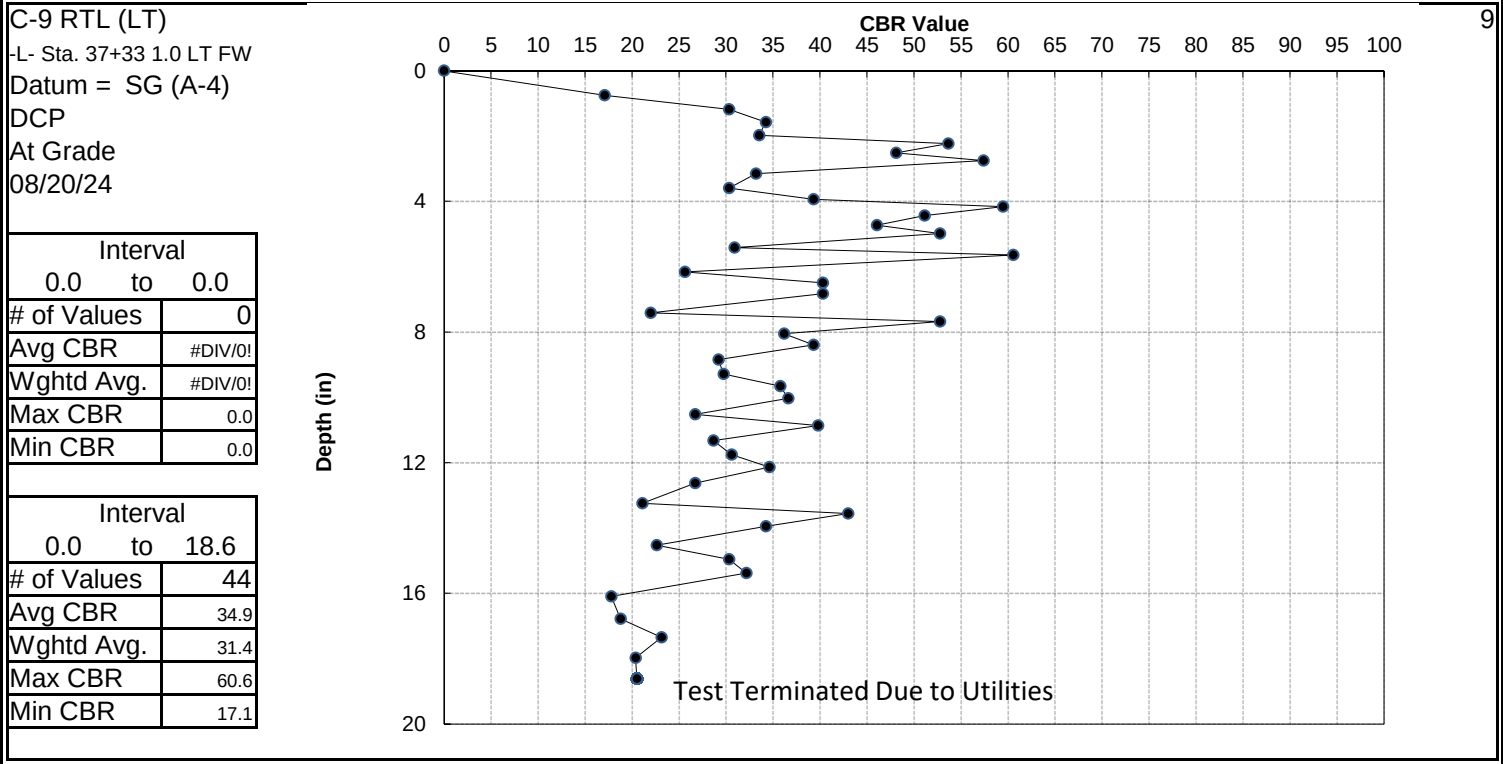


CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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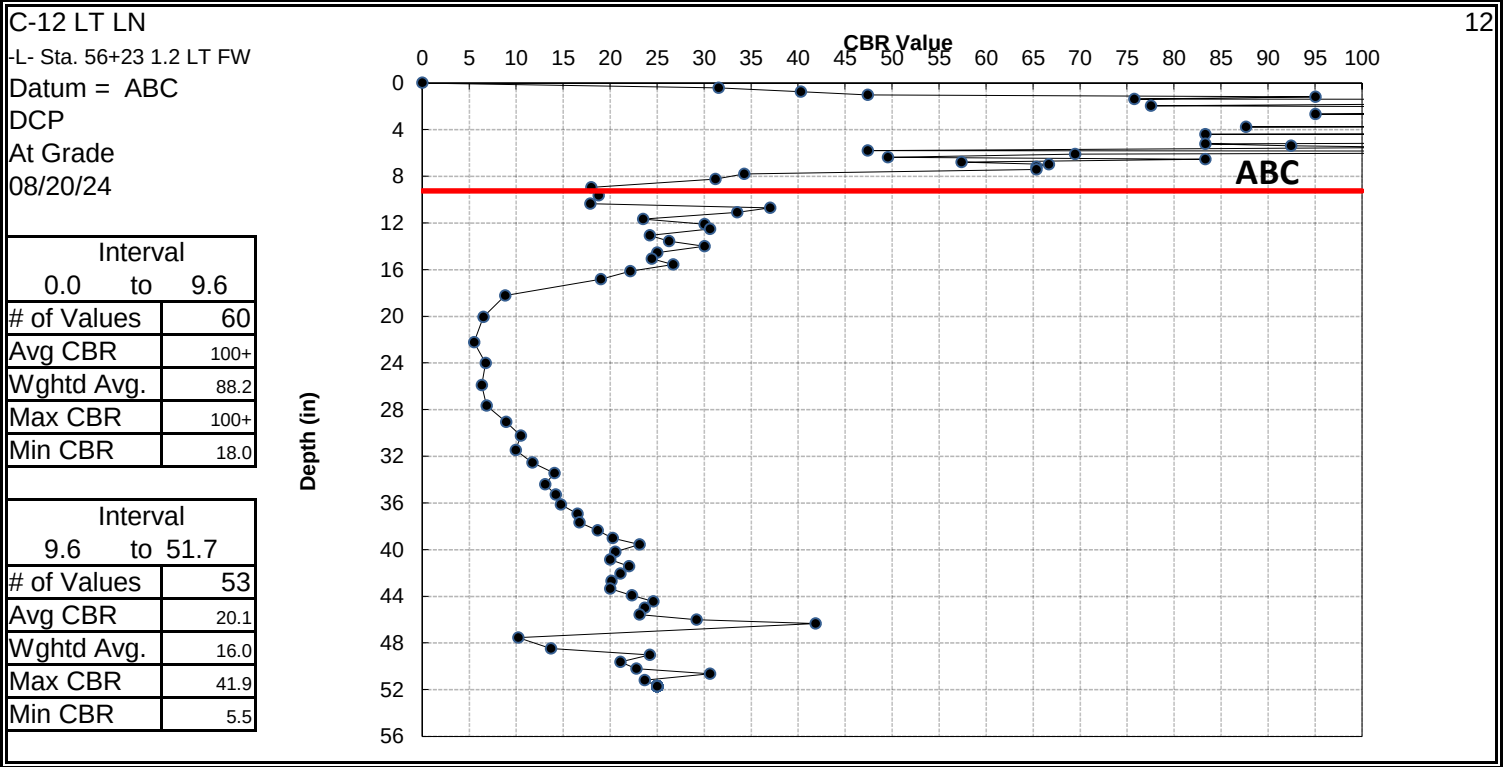
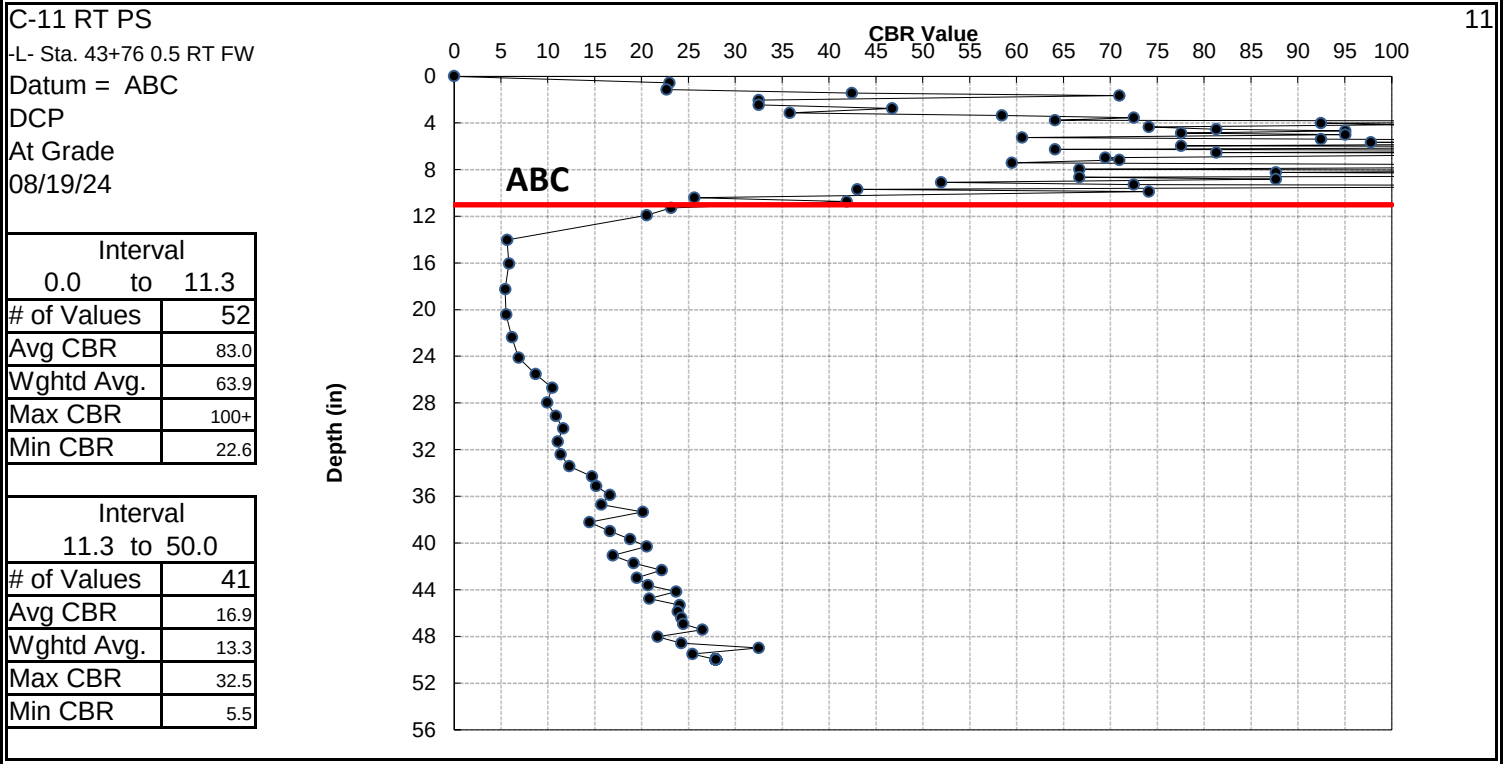
CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

Sheet 37

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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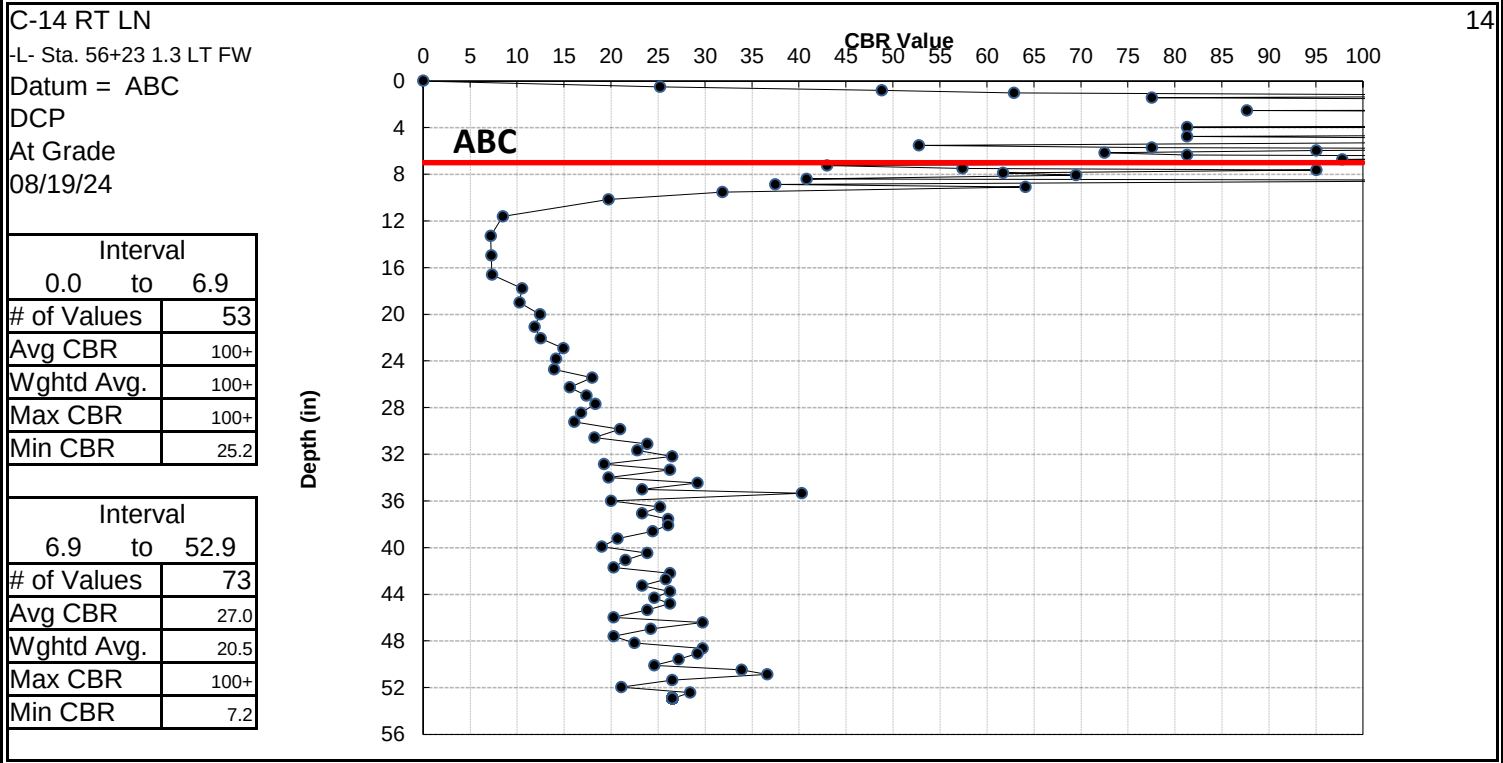
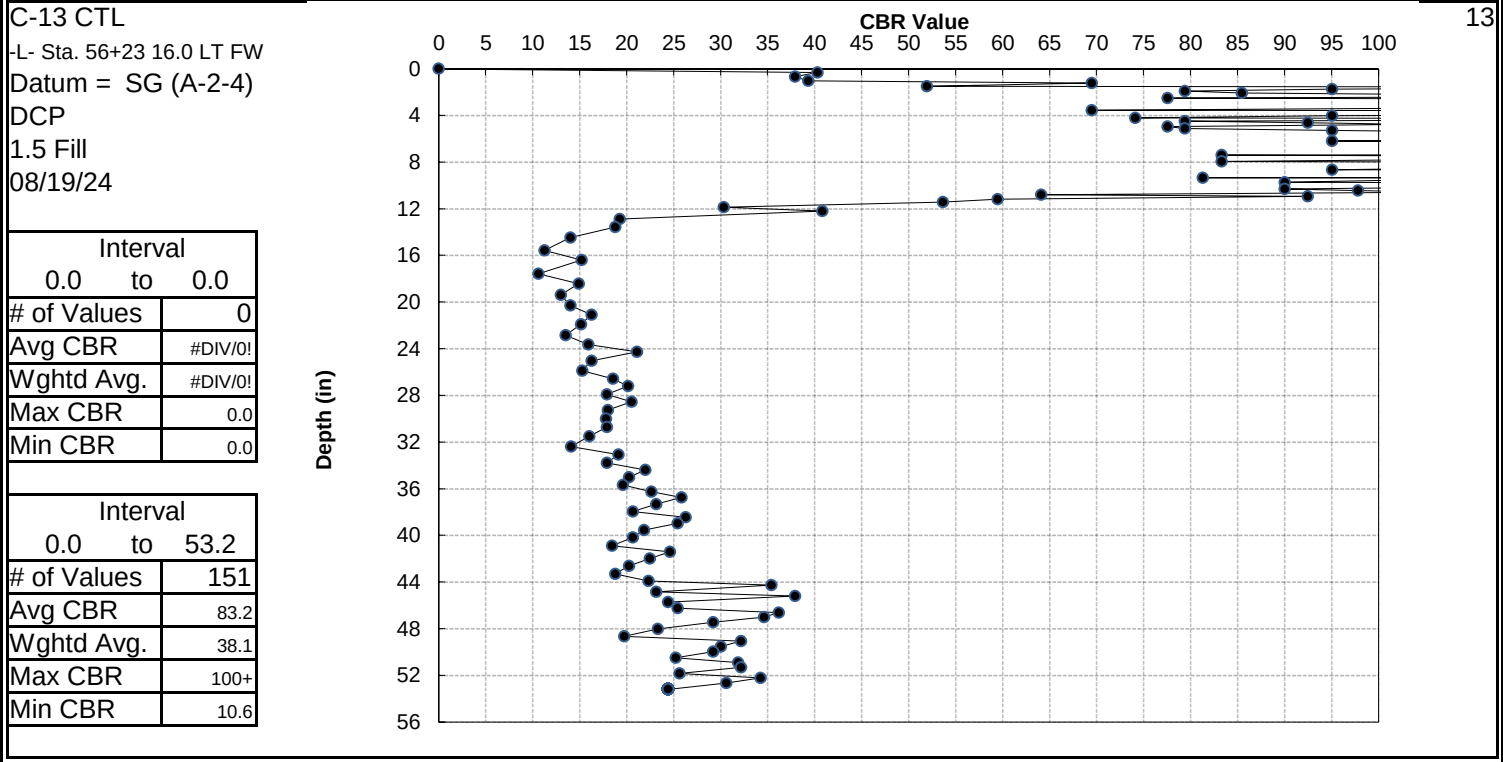


CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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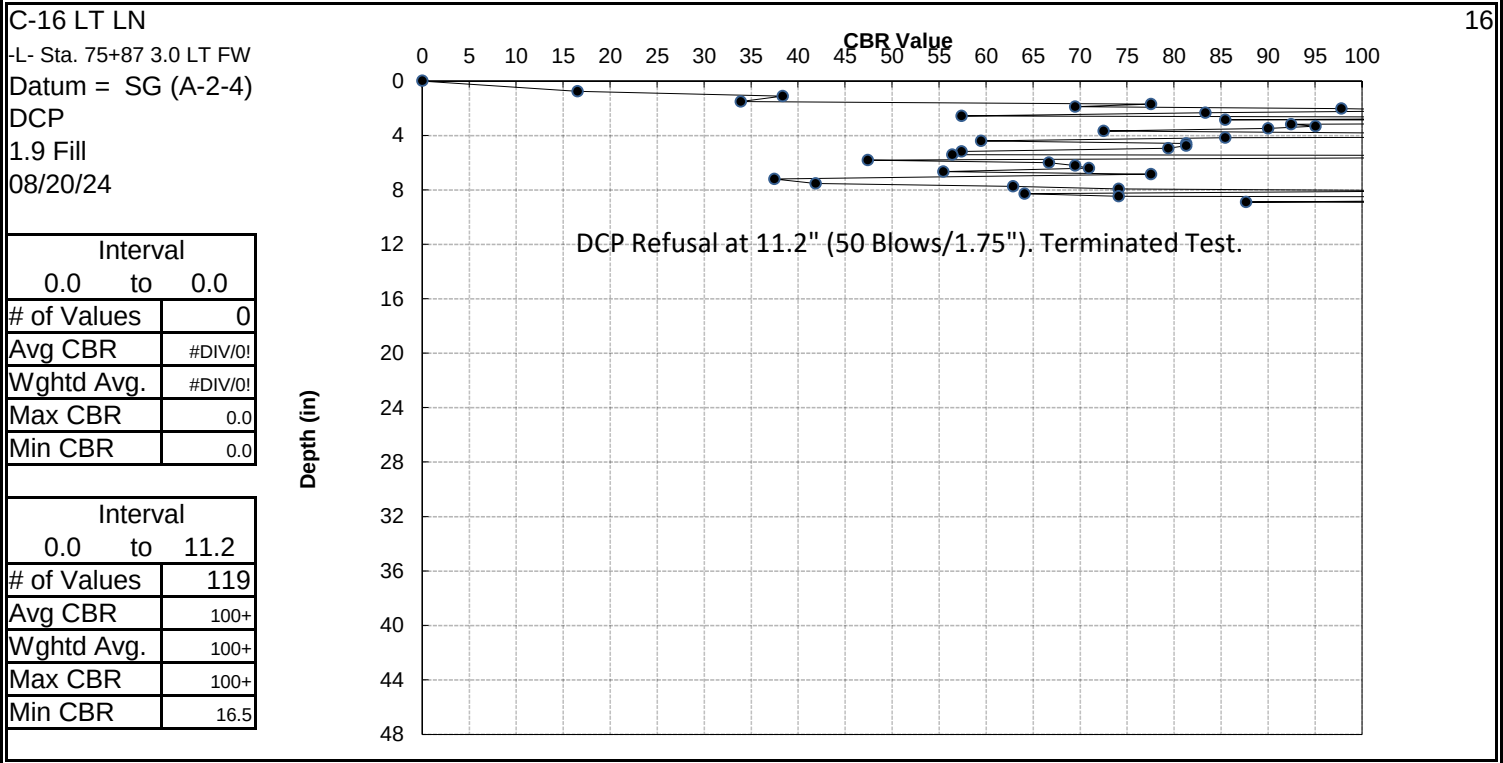
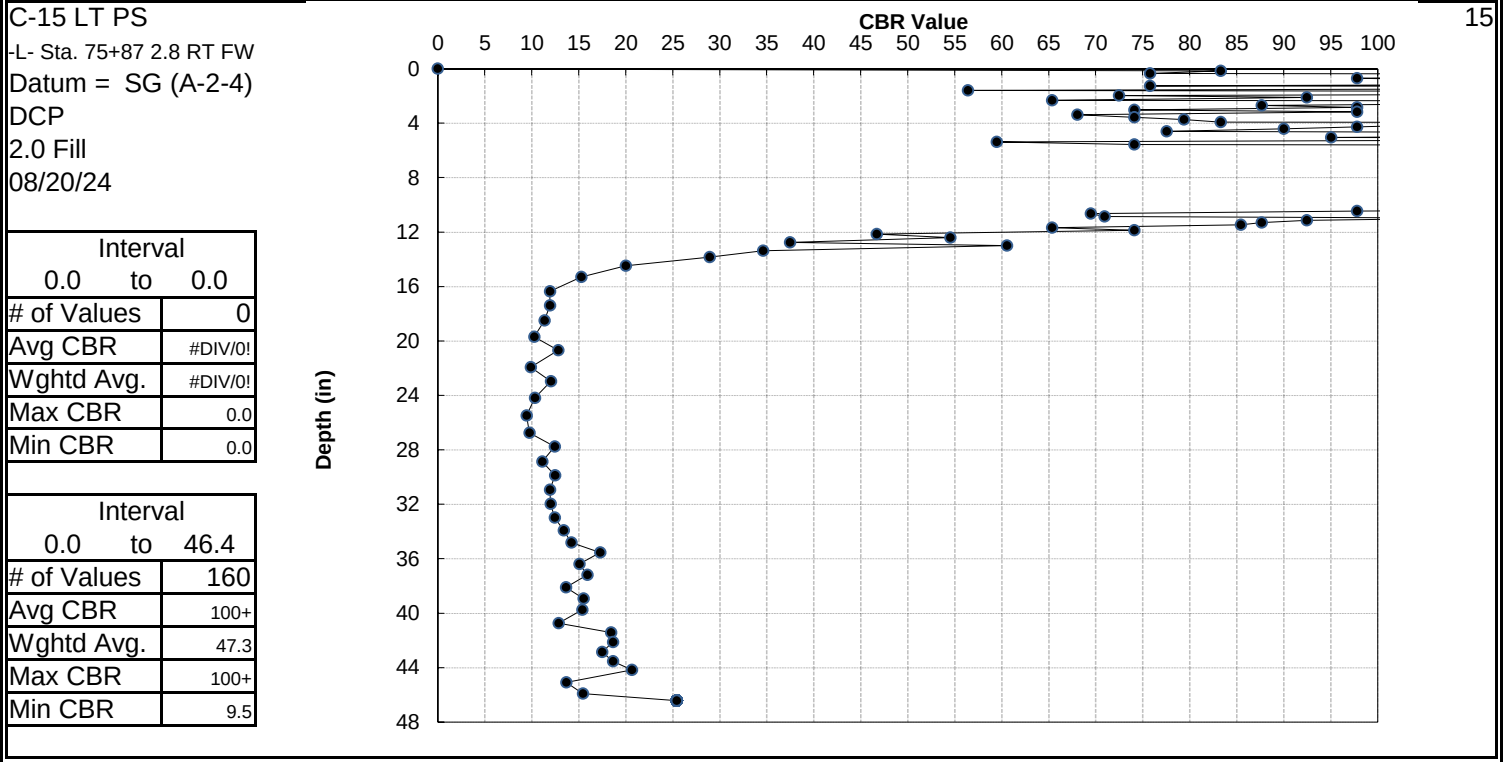


CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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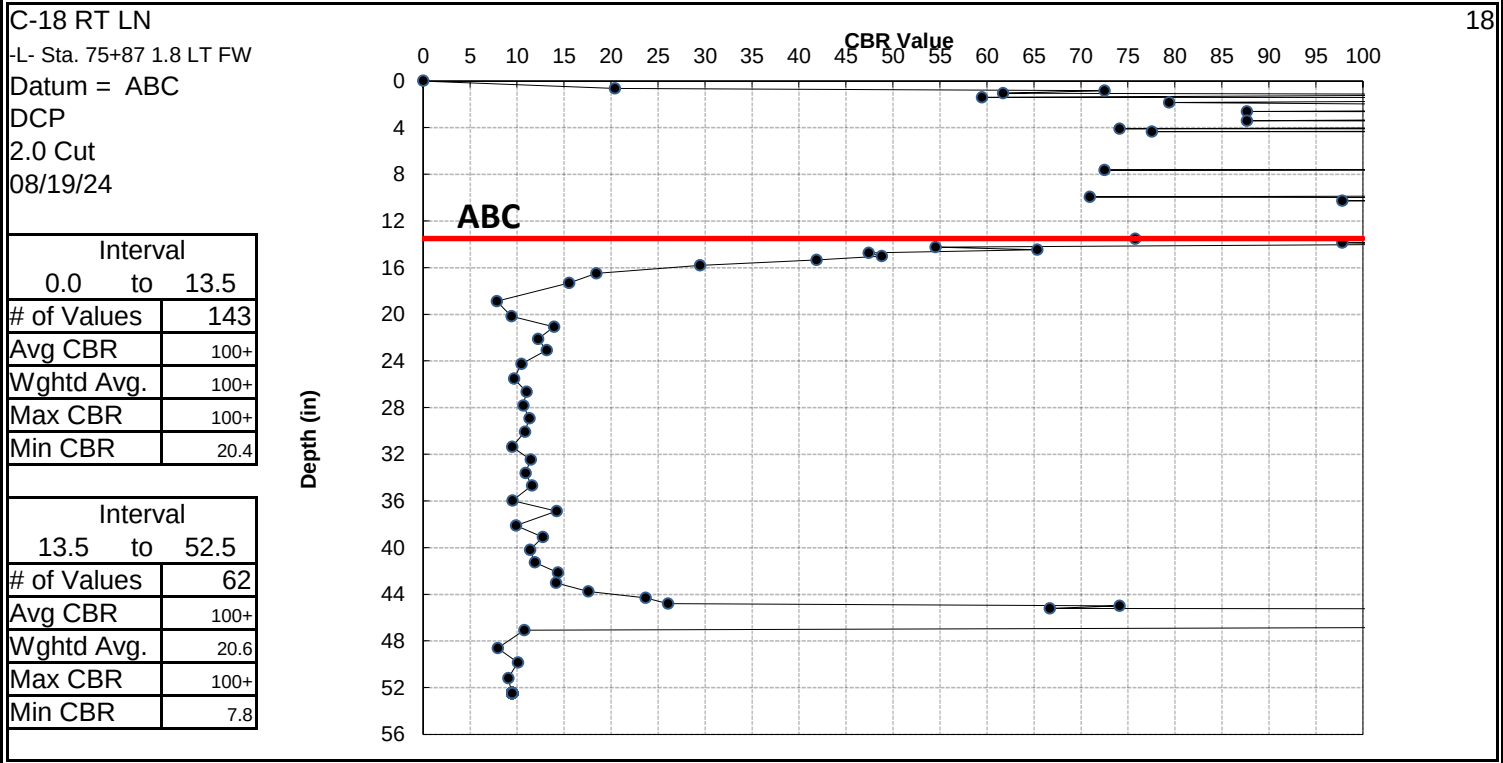
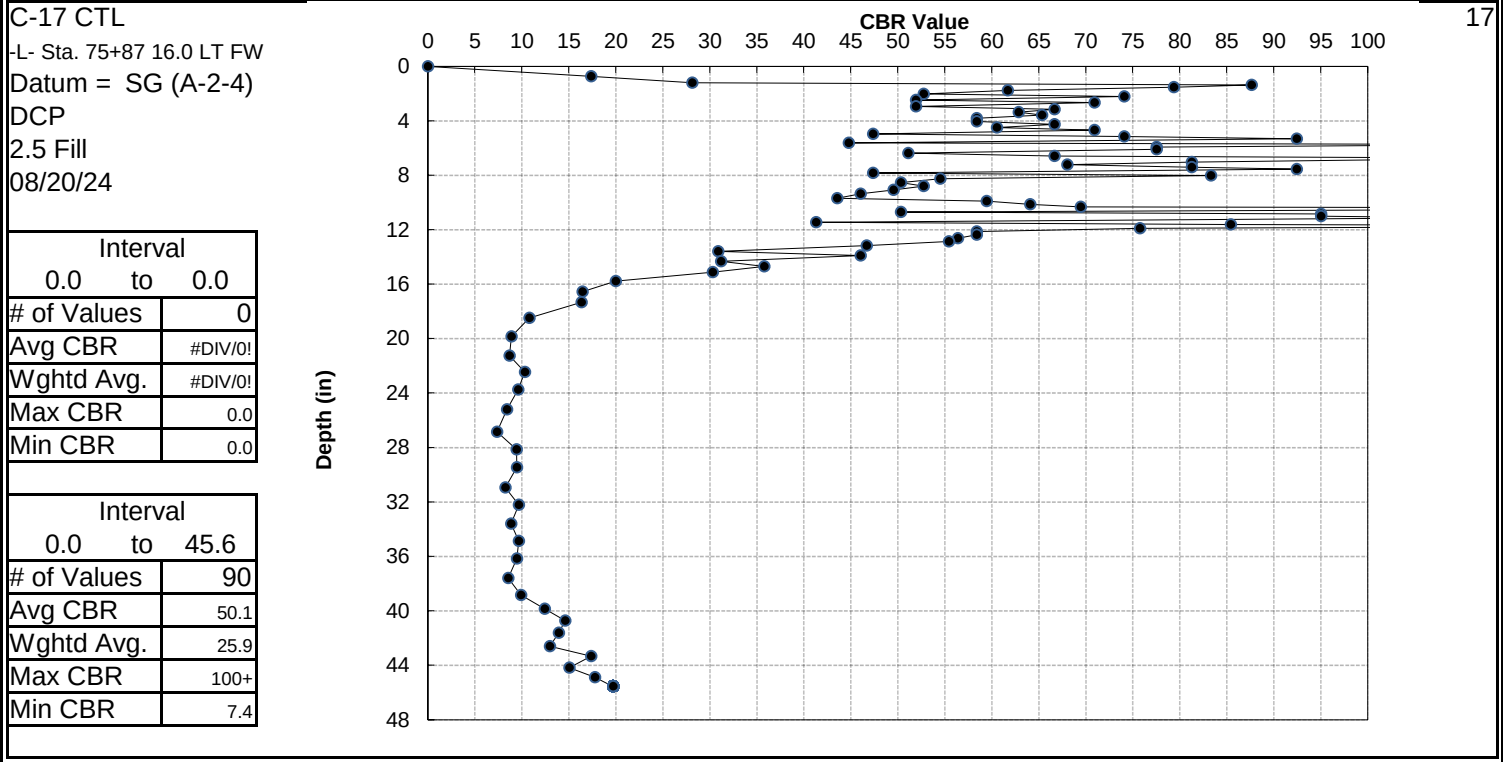


CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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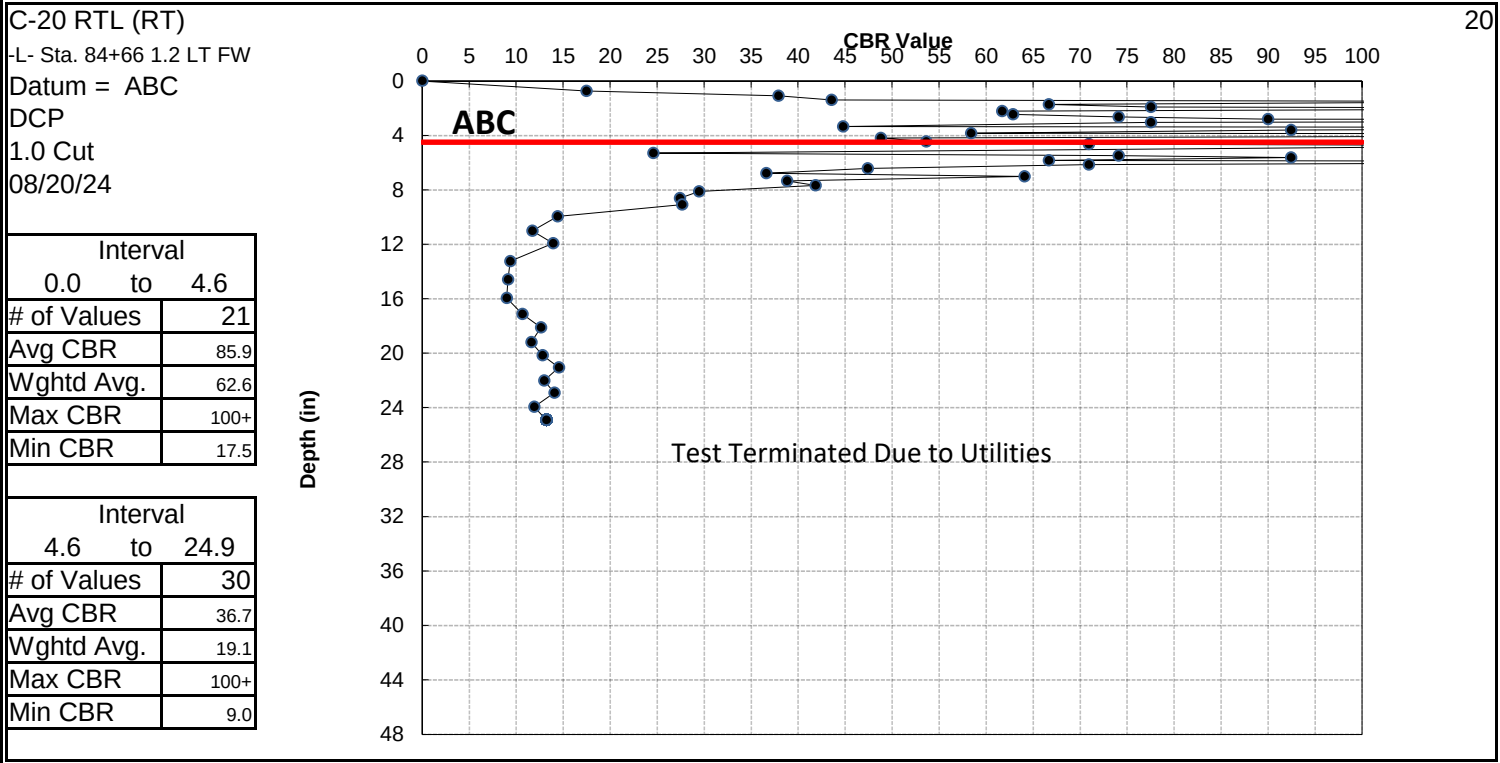
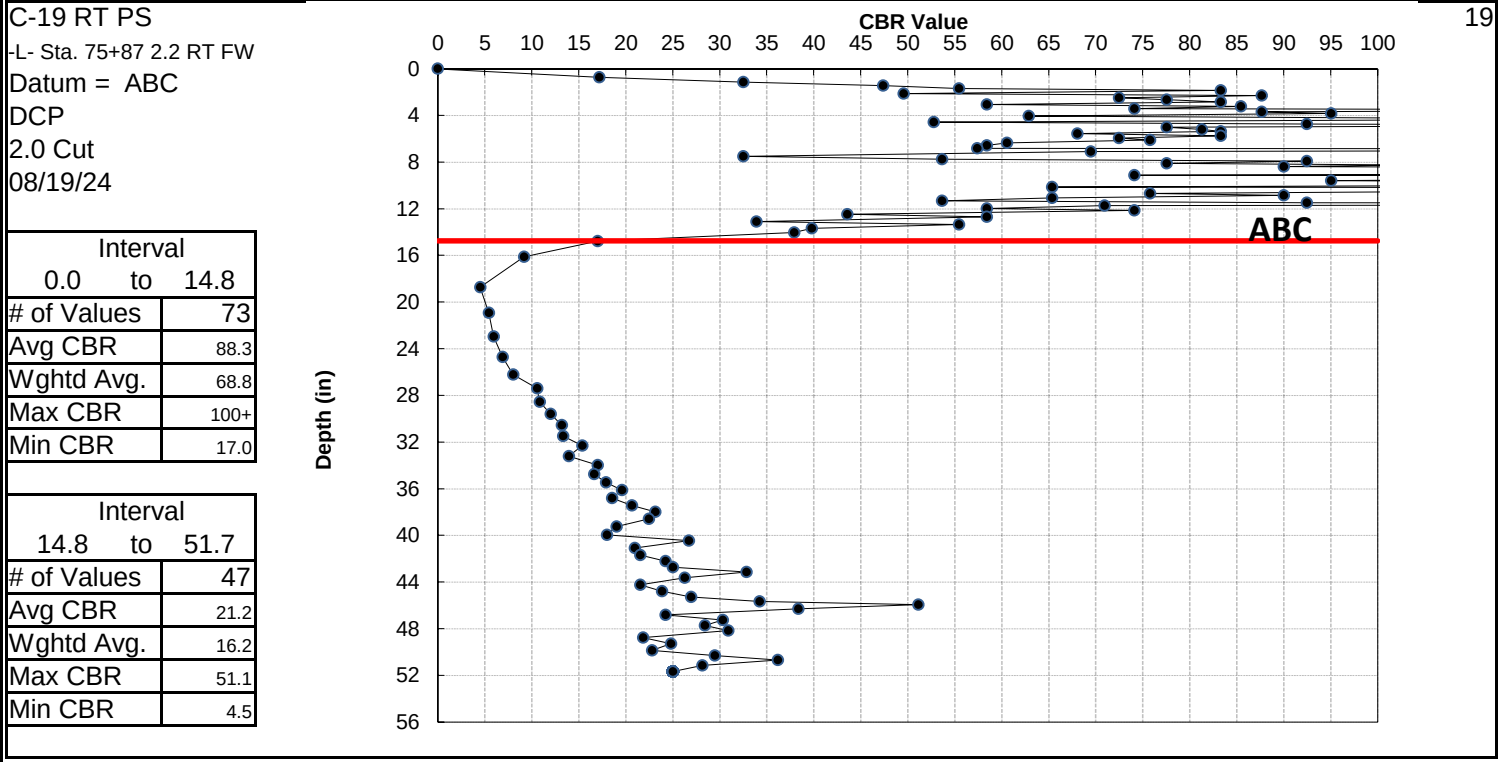


CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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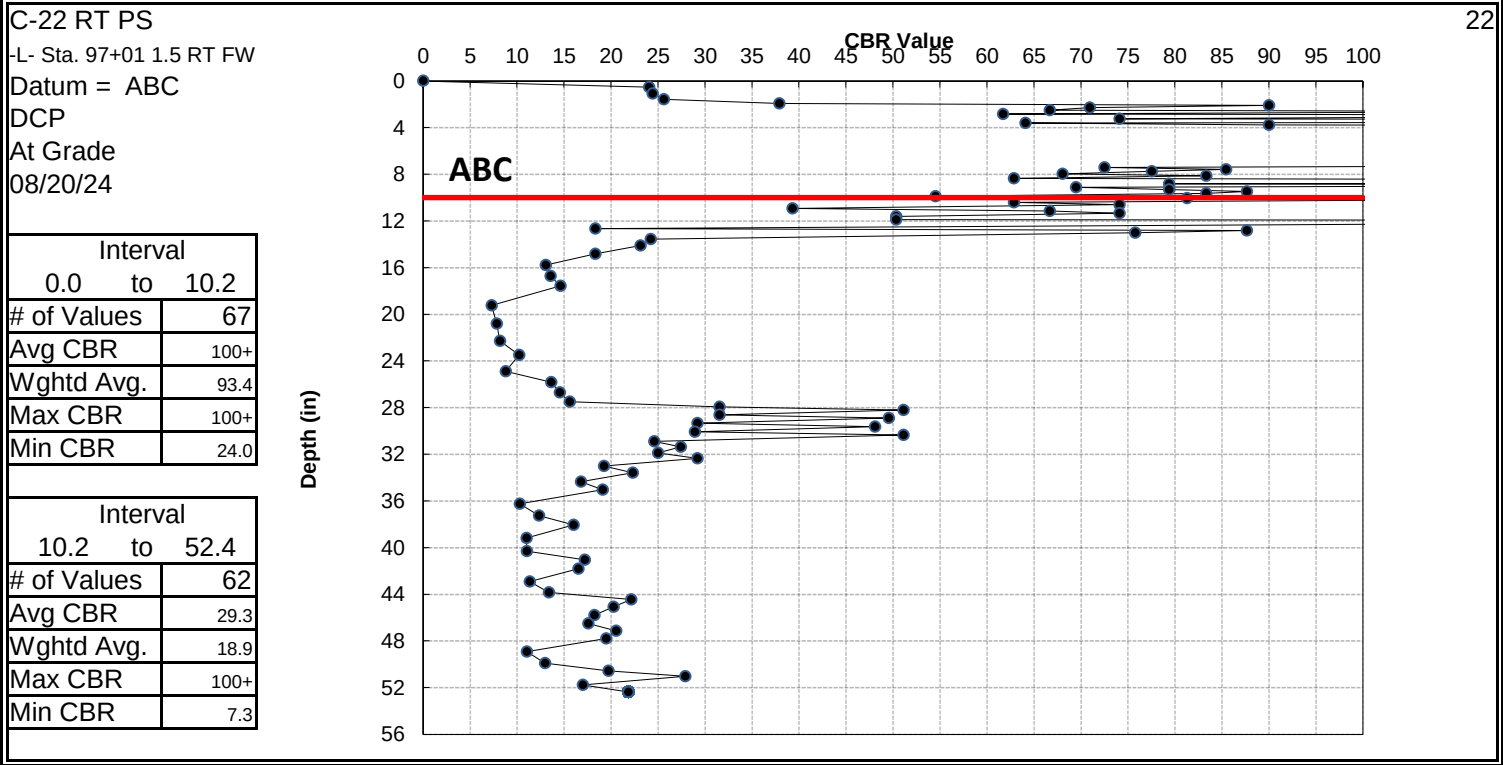
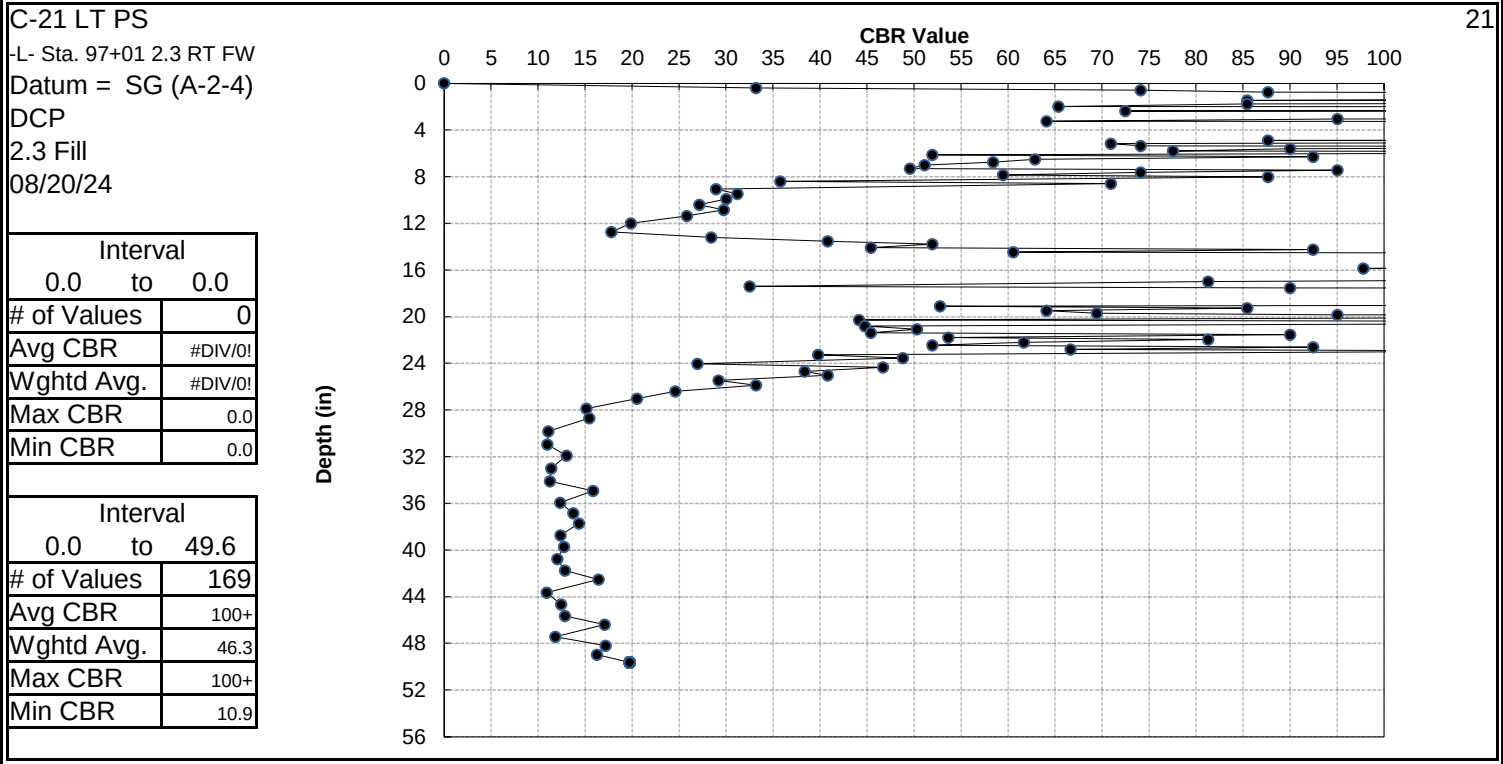


CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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21

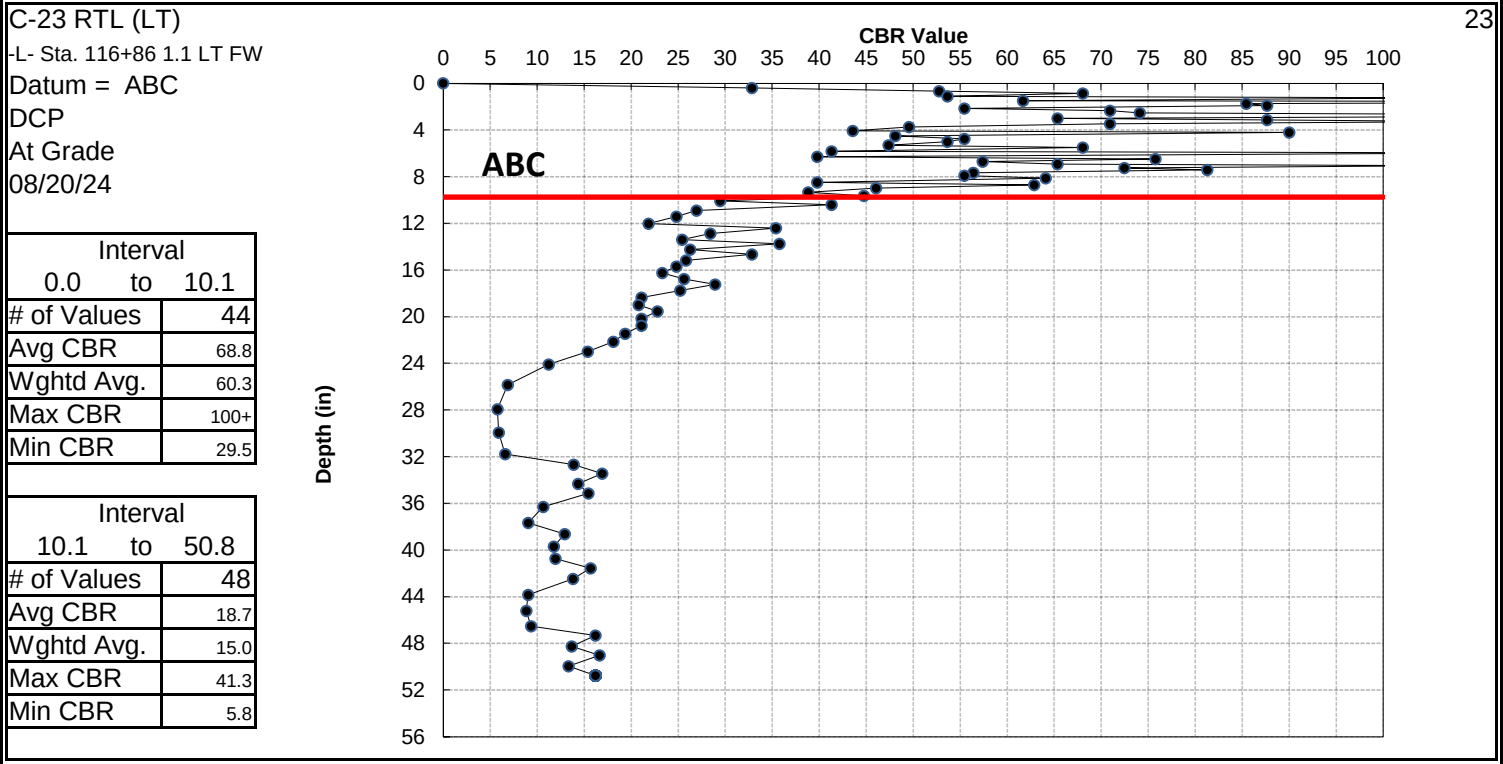
CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

Sheet 40

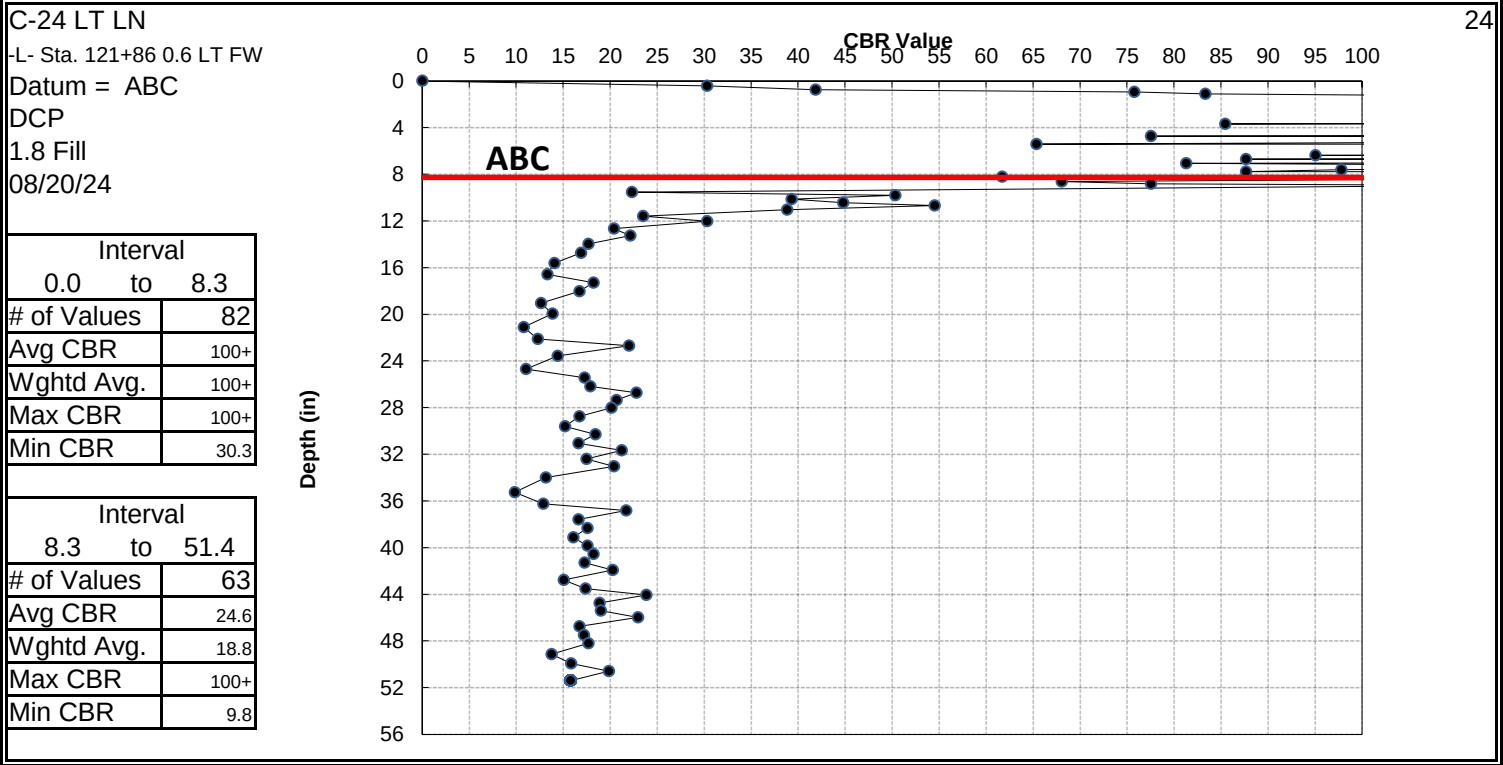
PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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23



24

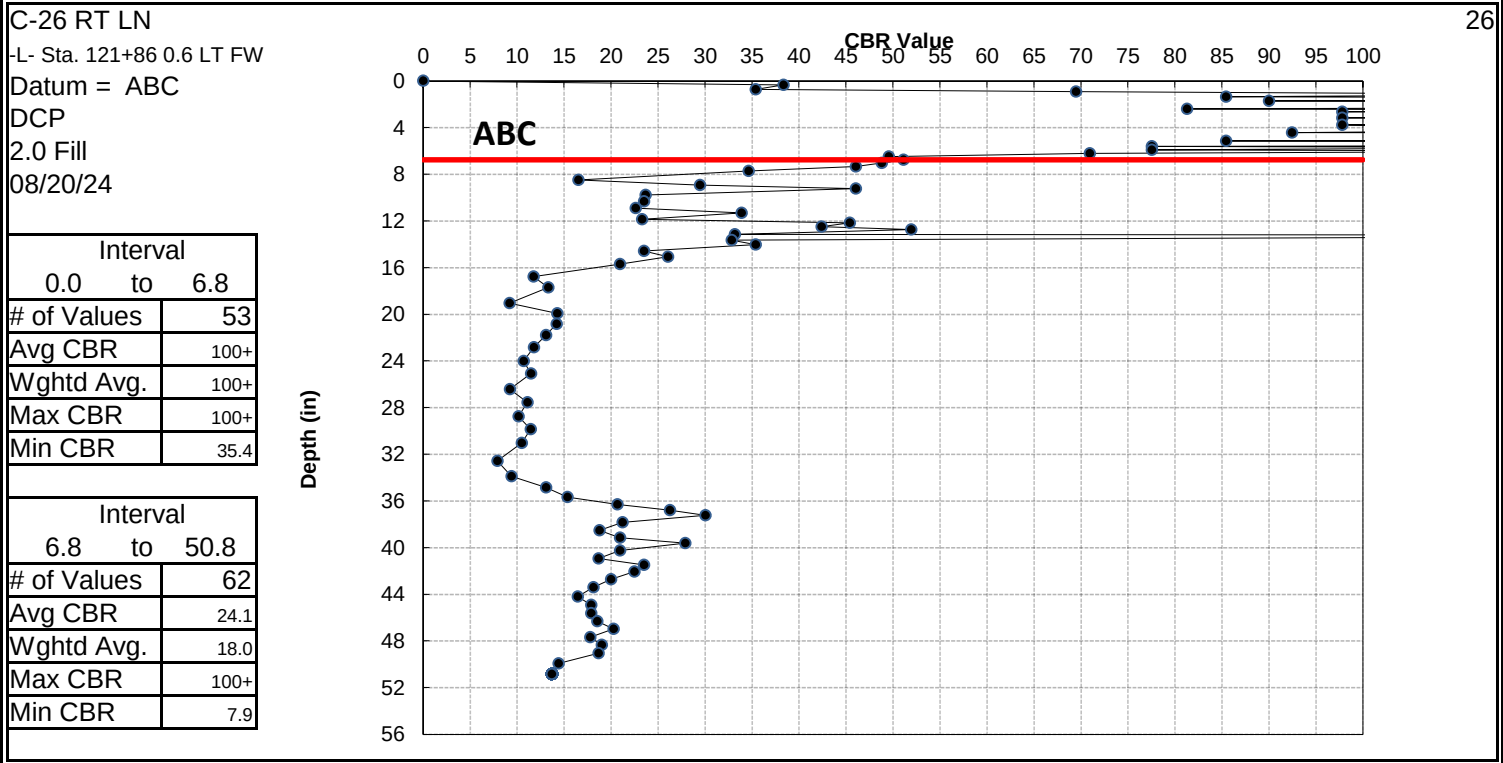
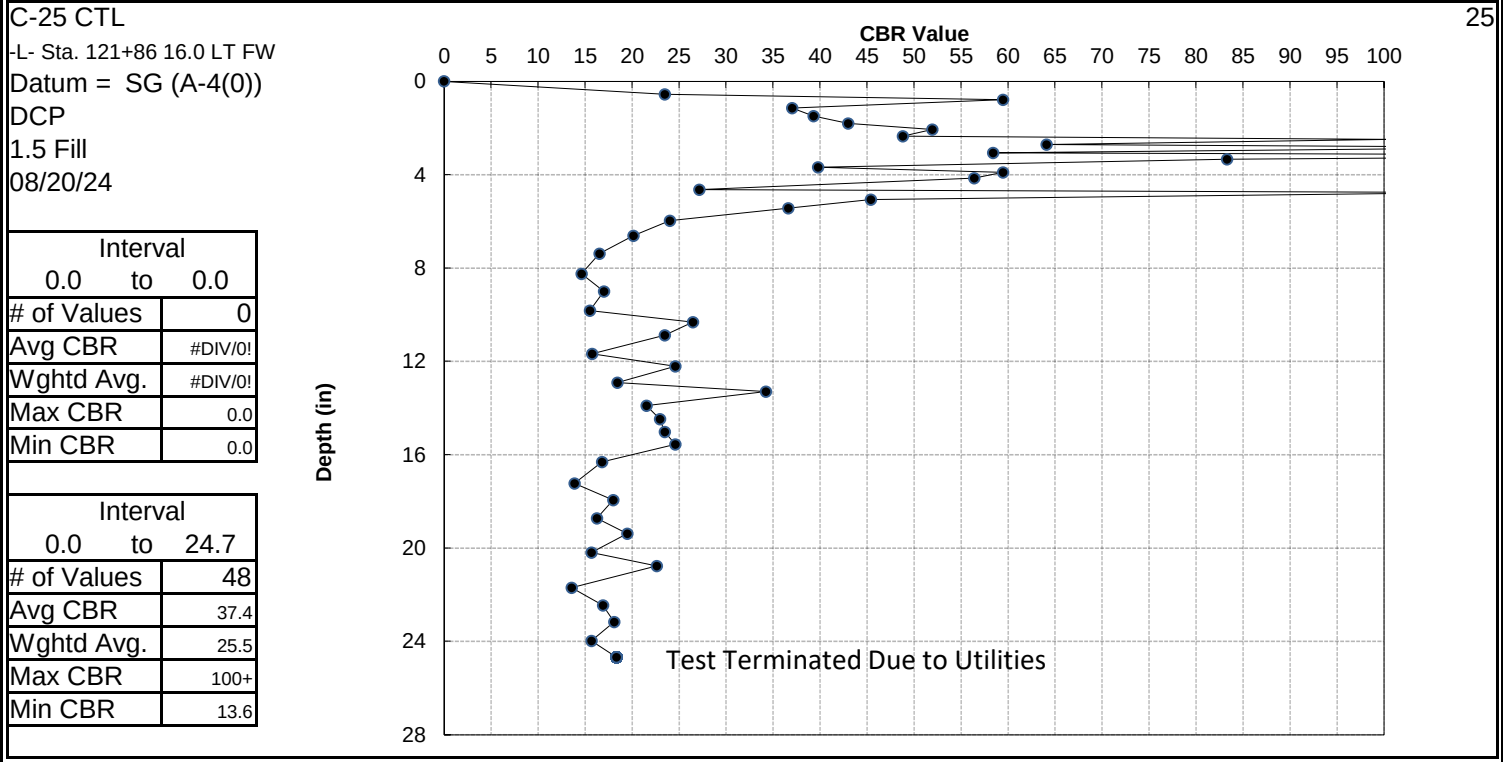


CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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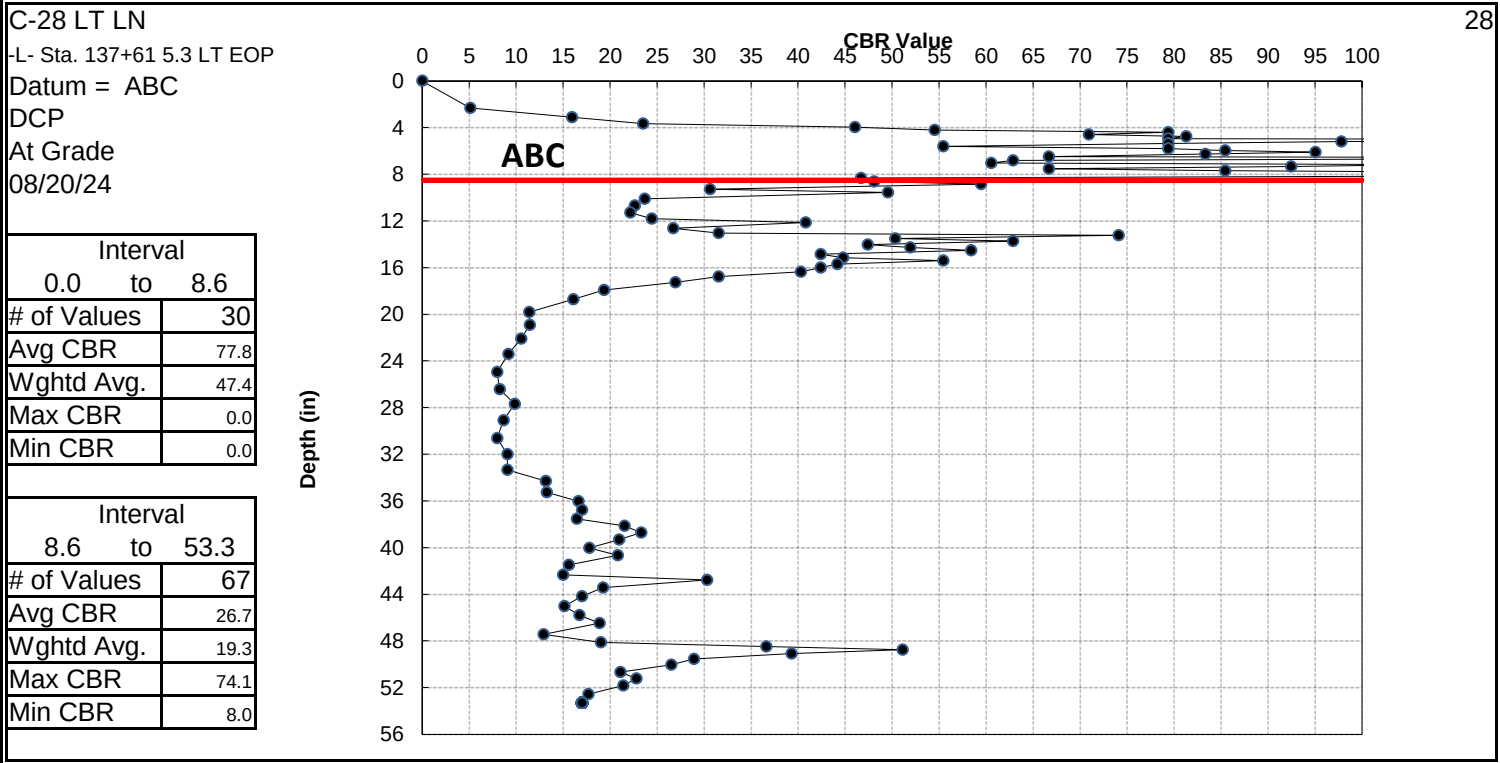
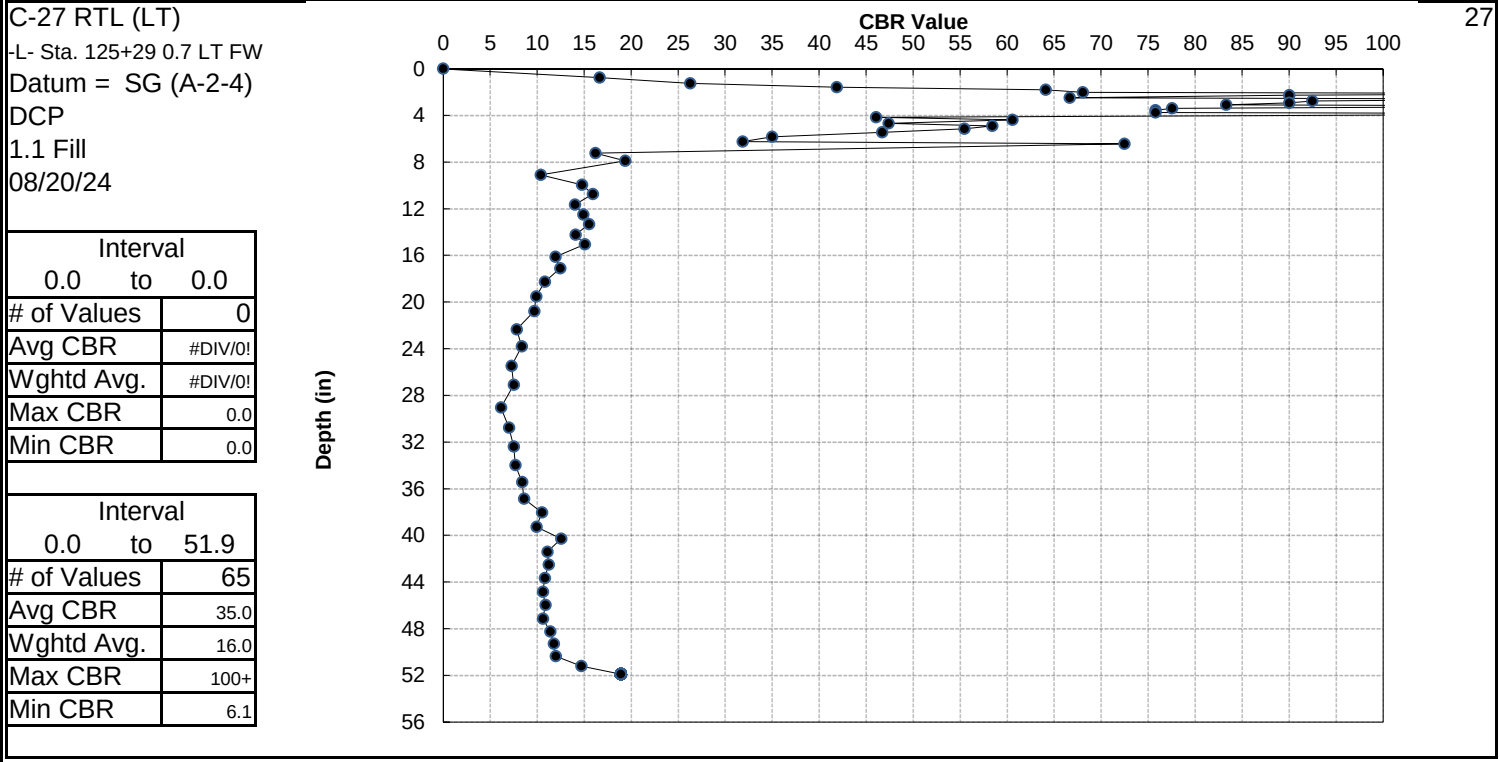
CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

Sheet 41

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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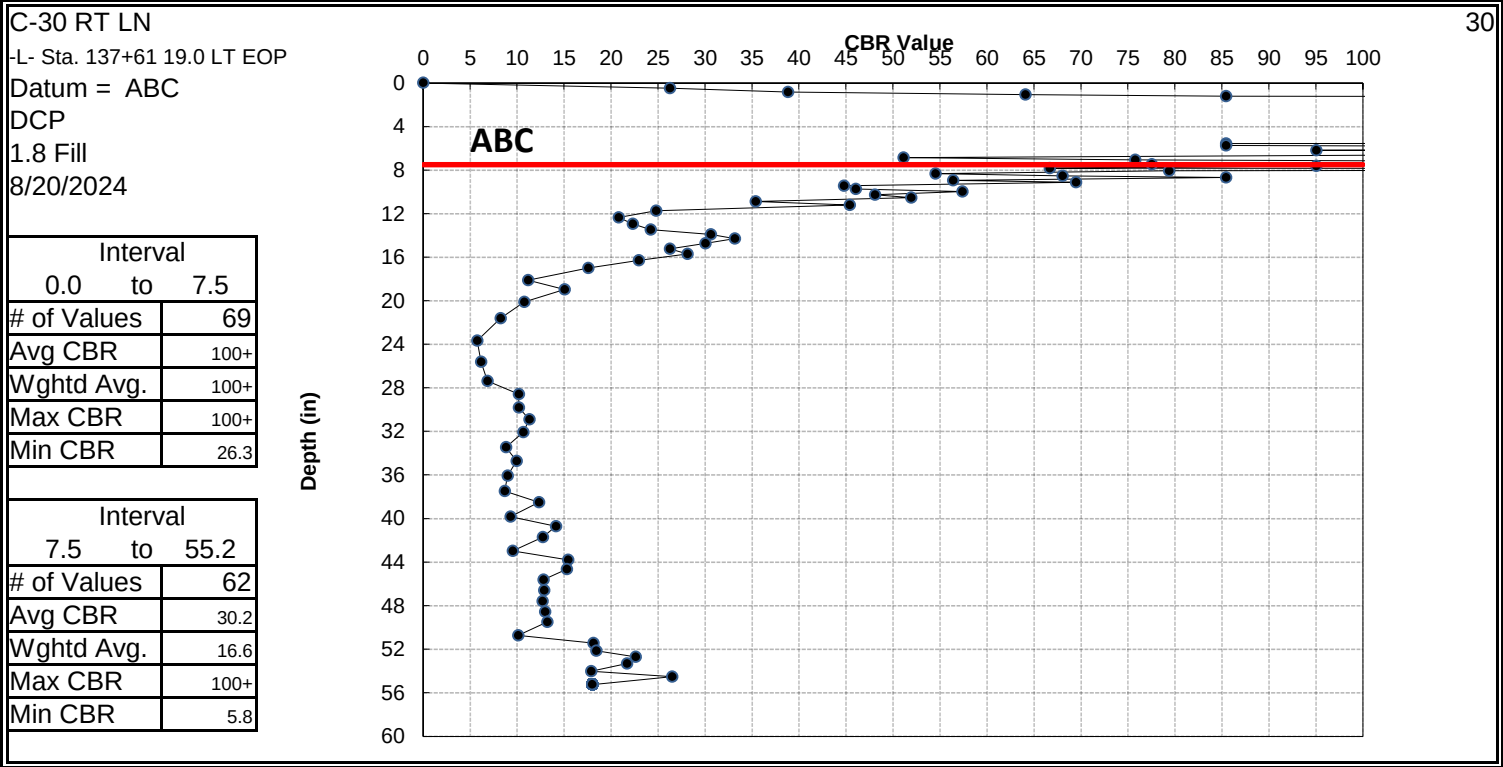
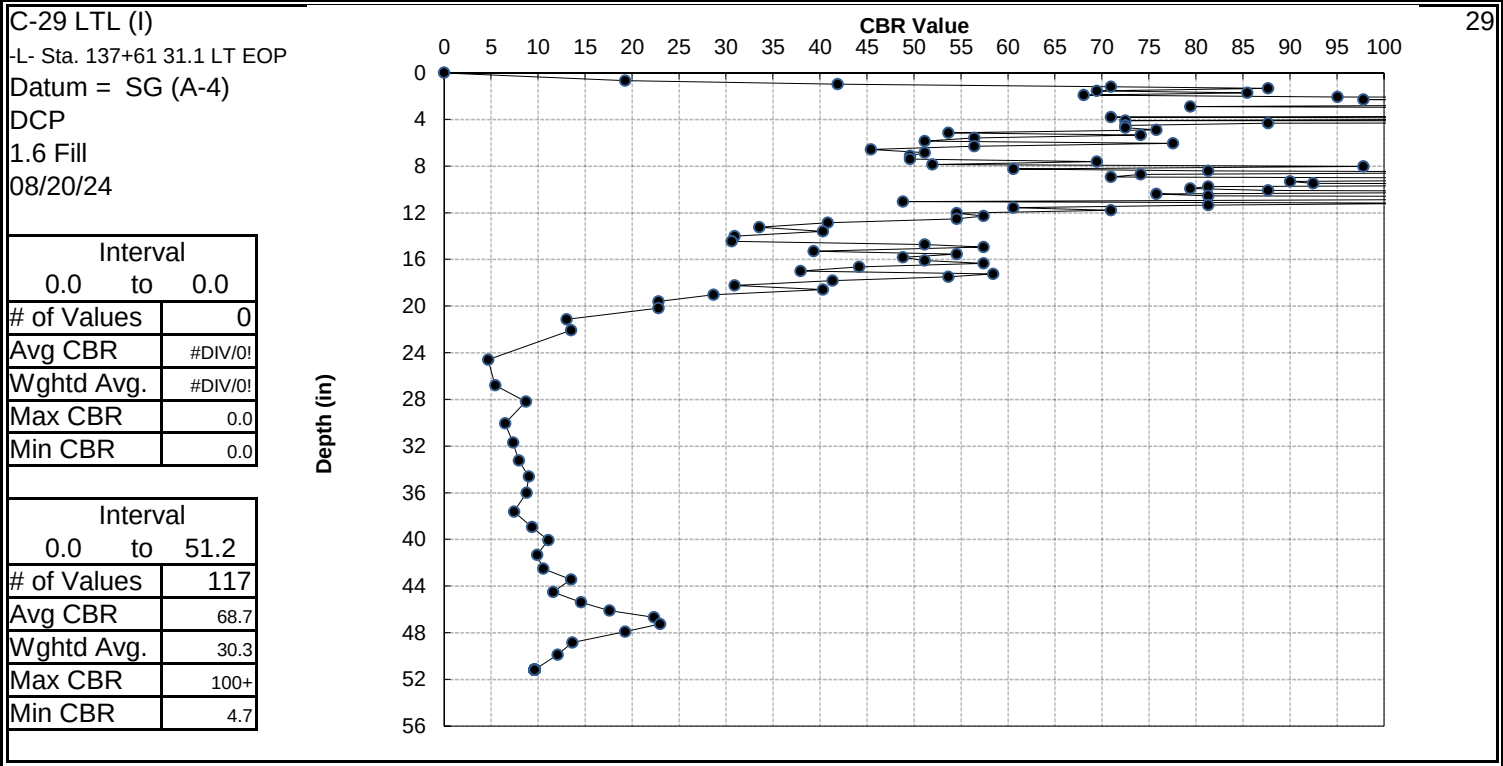


CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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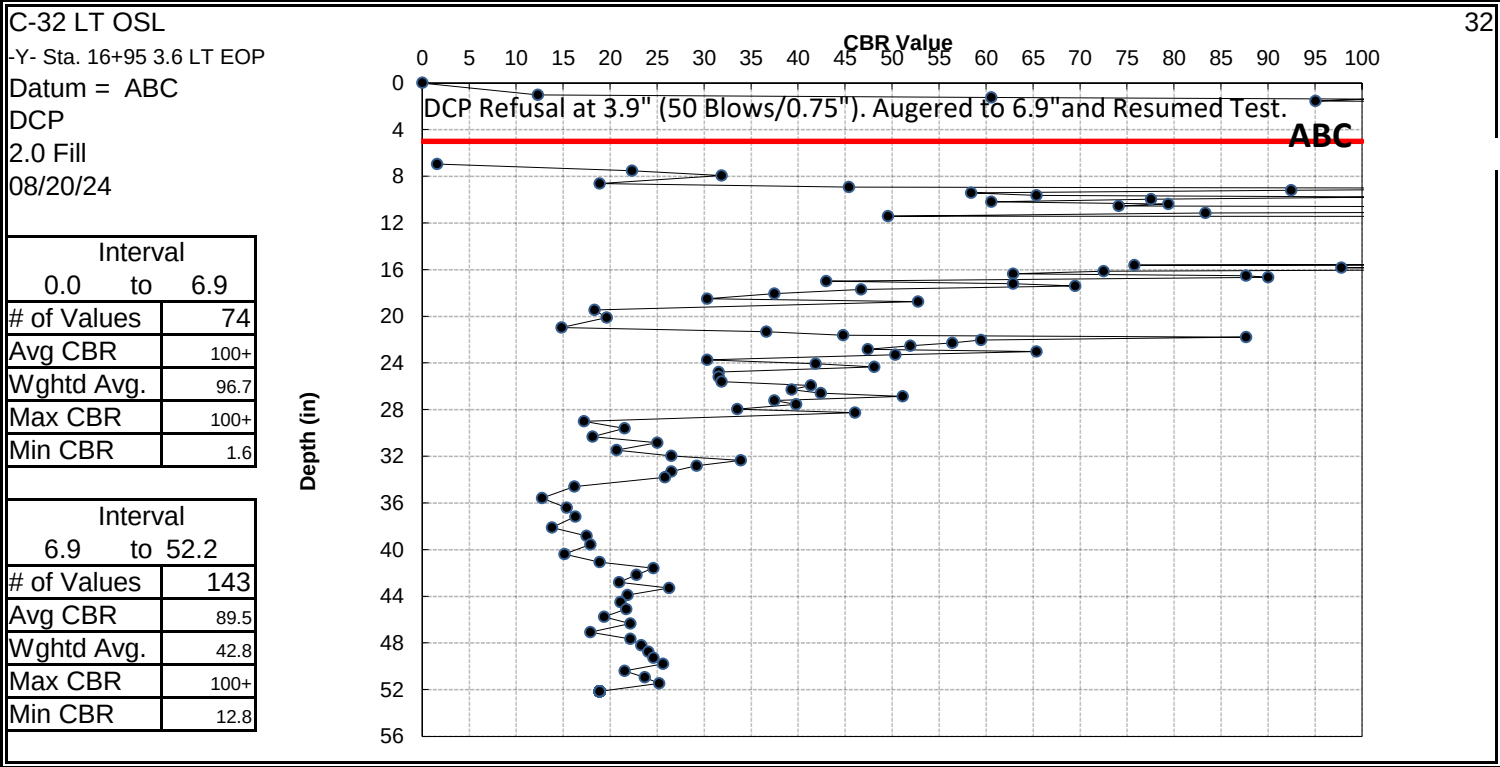
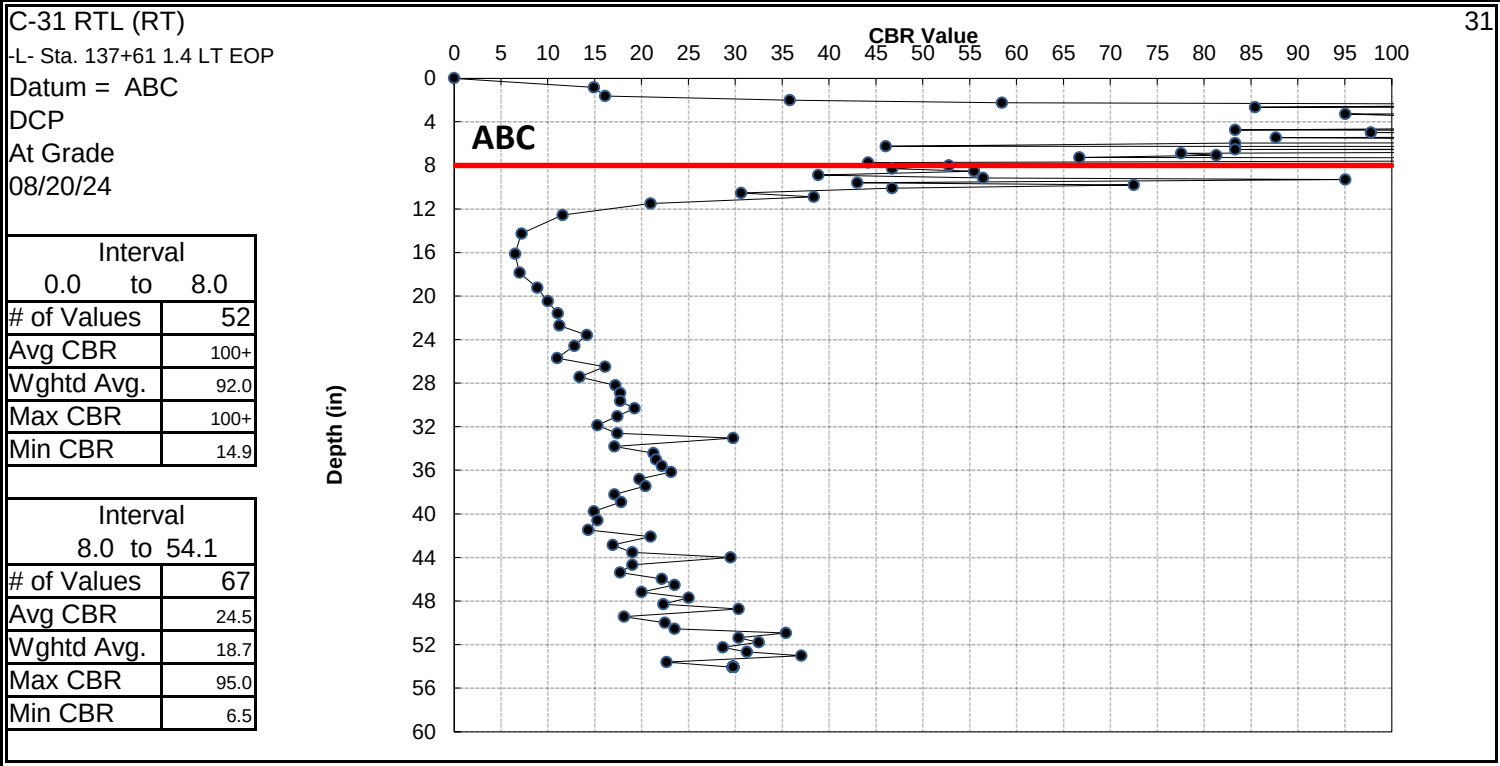
CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

Sheet 42

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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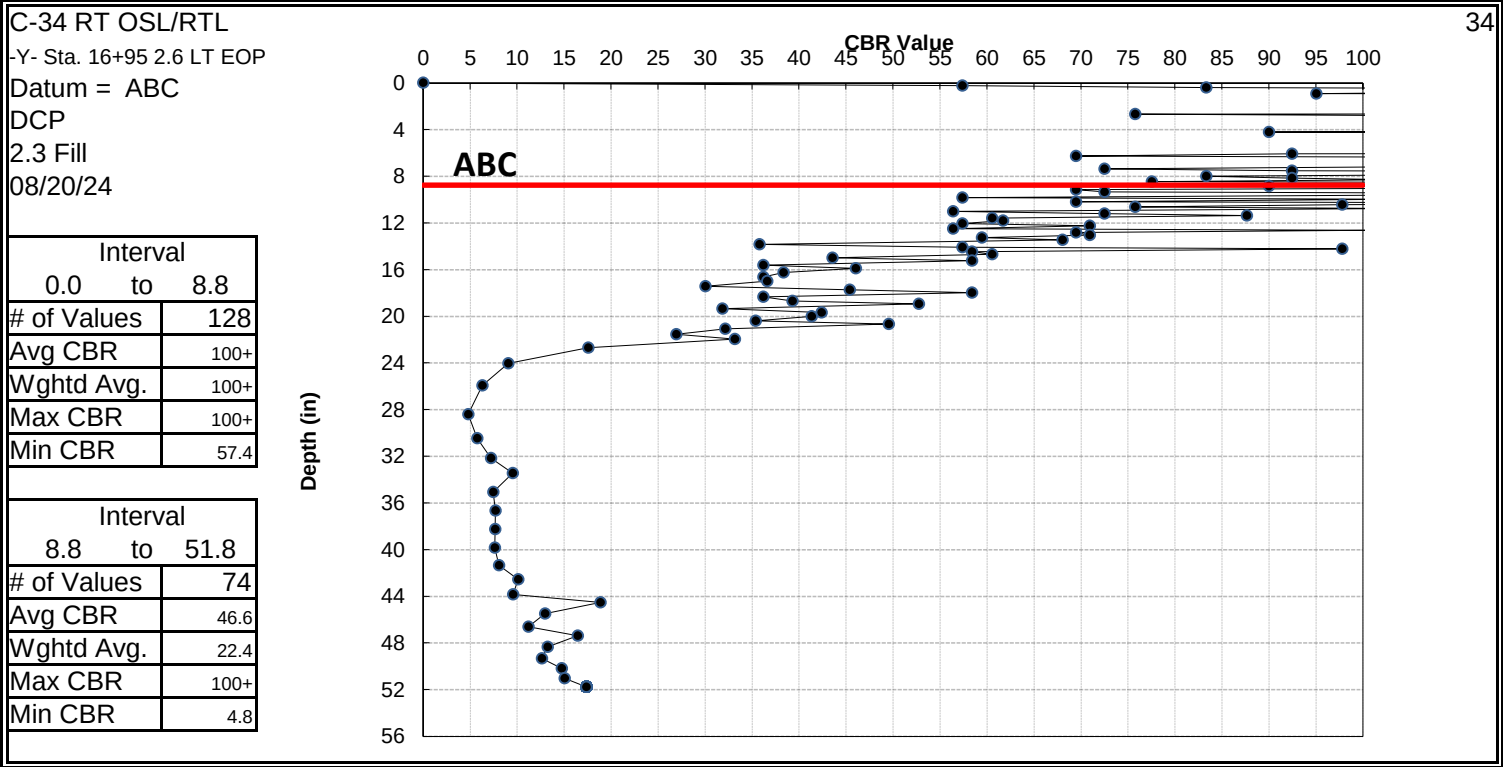
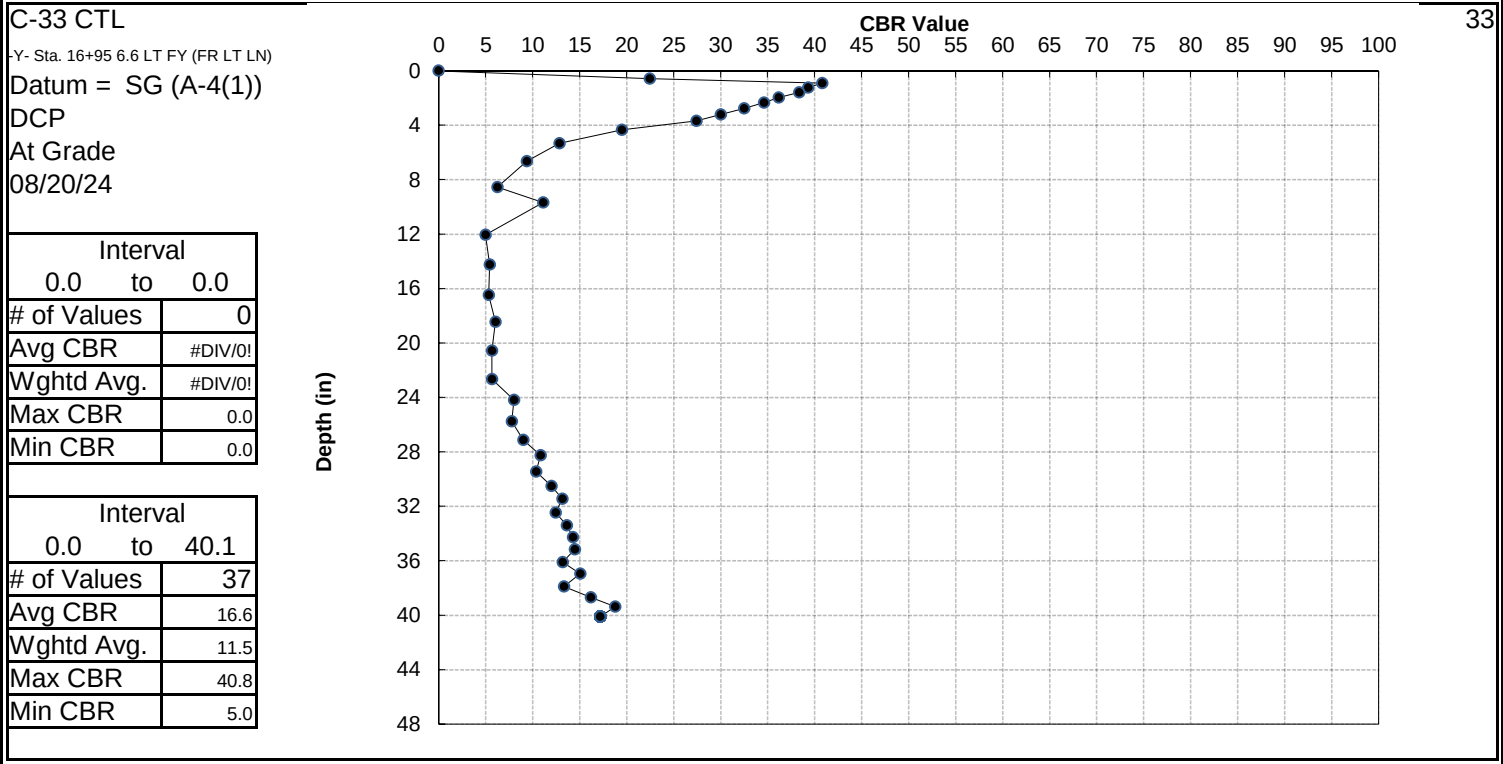


CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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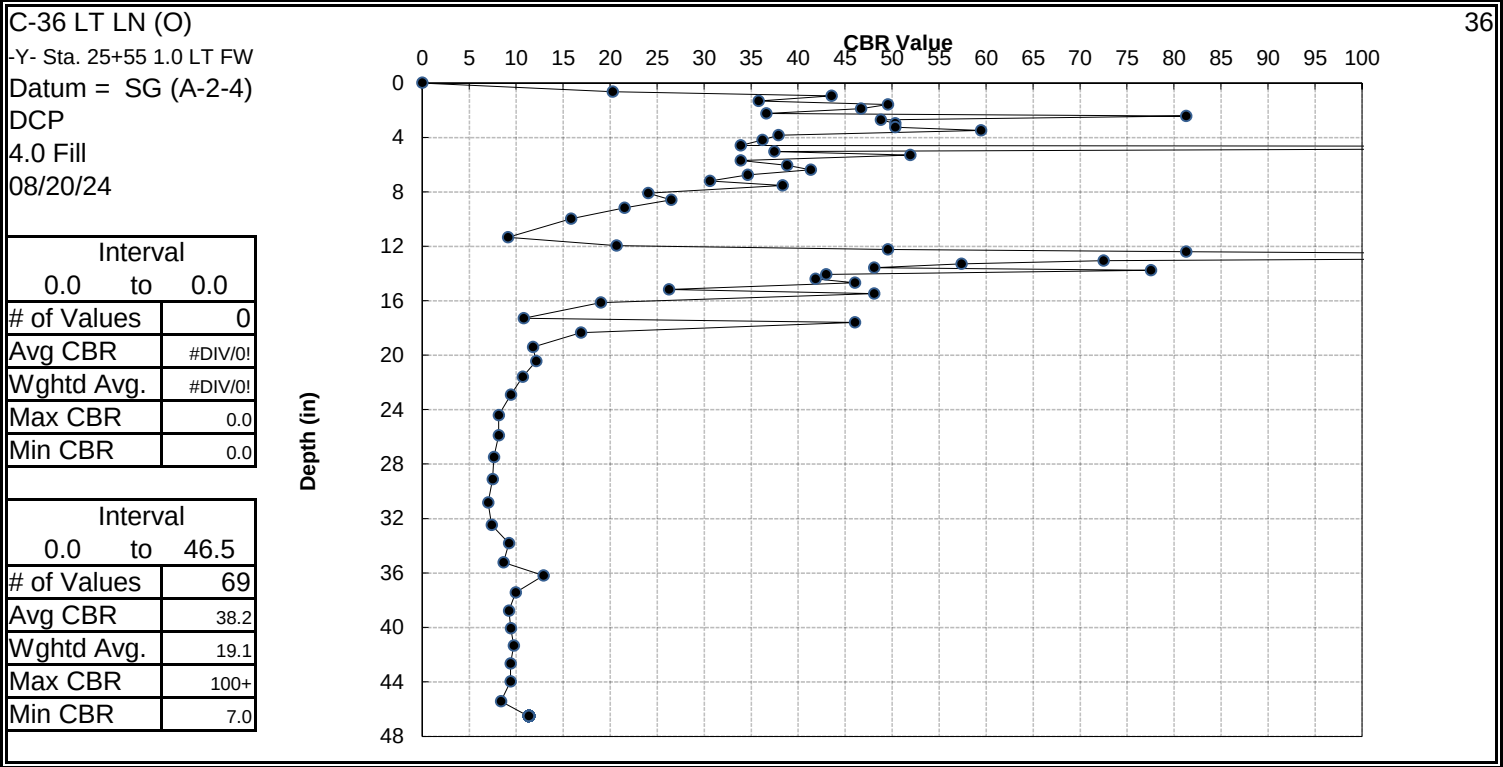
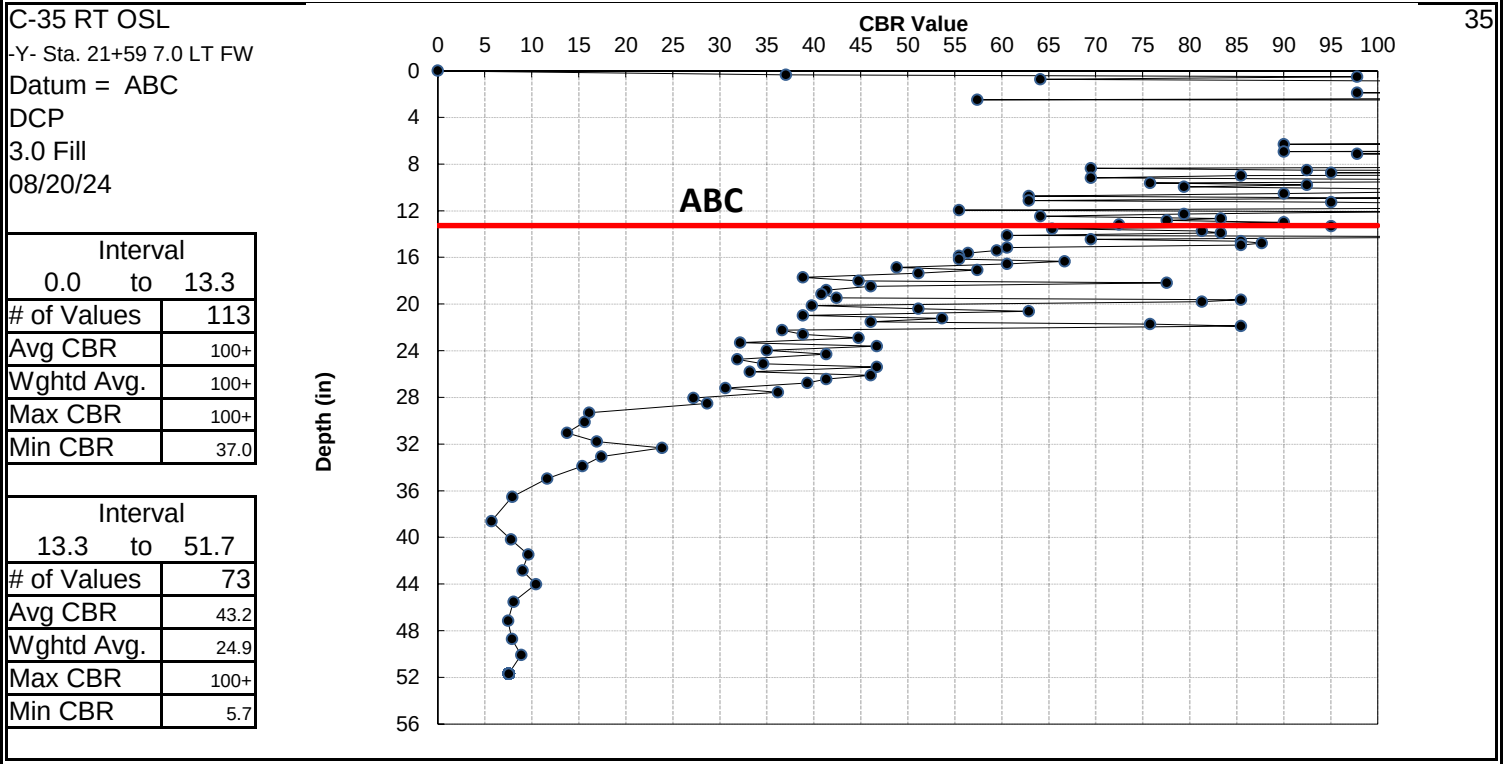


CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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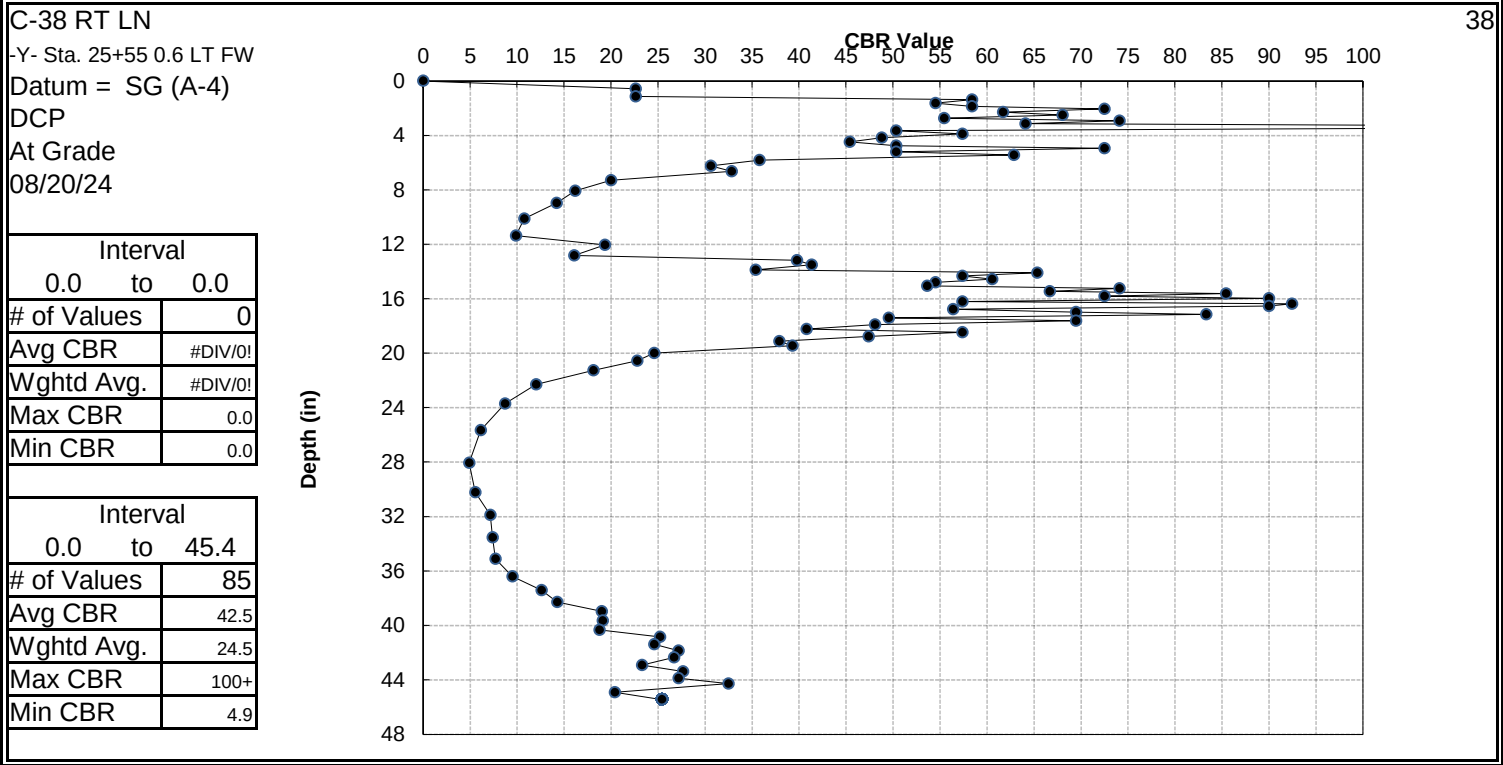
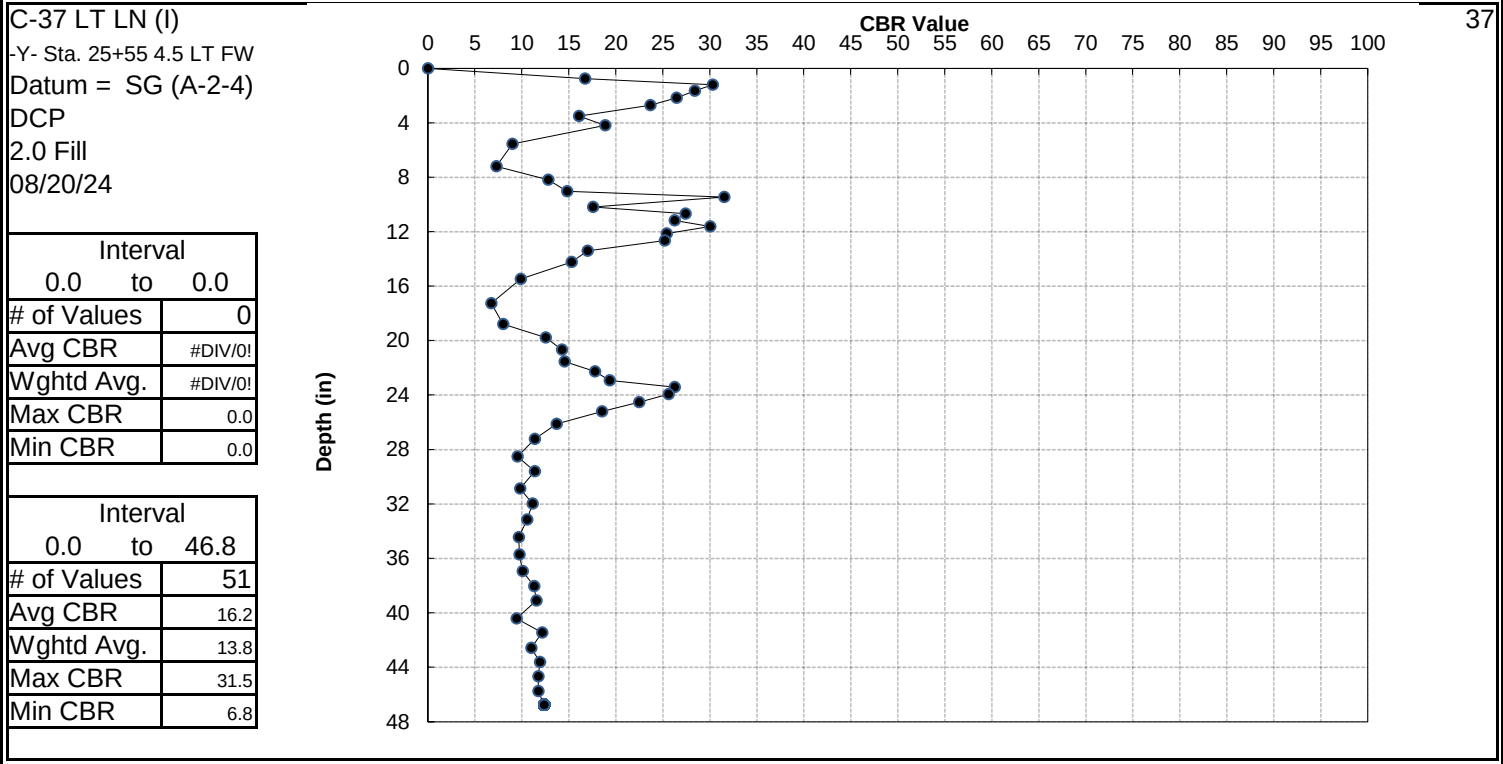


CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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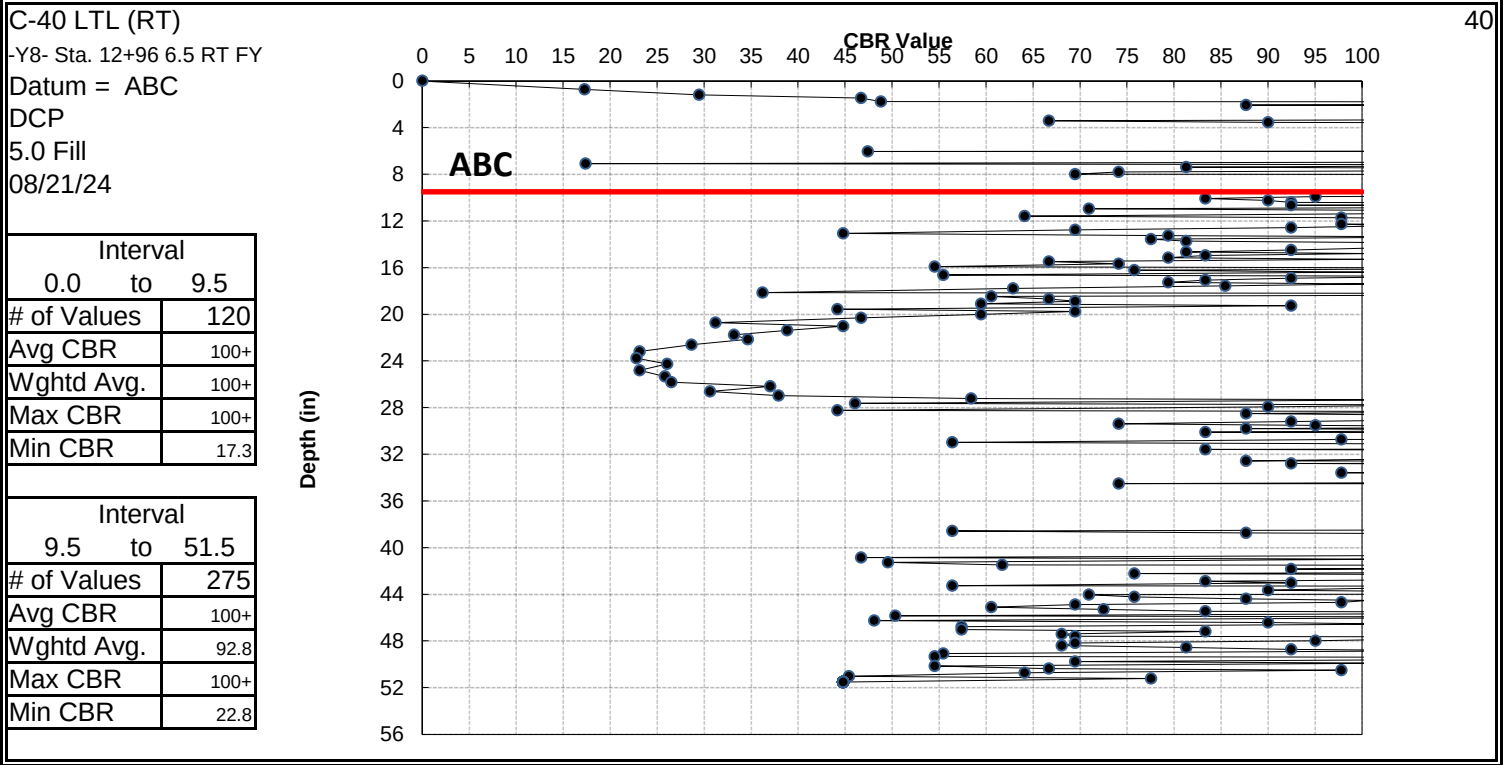
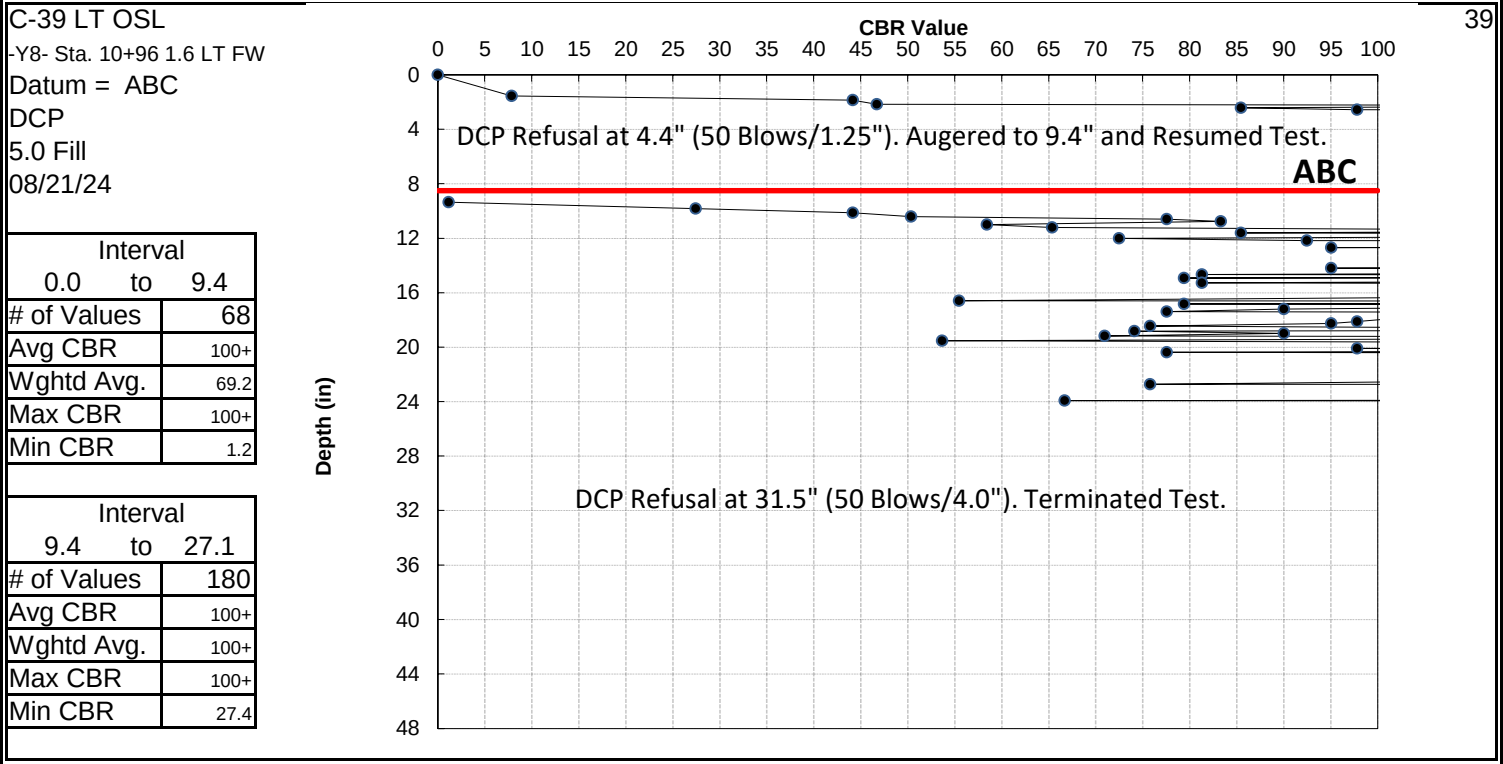
CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

Sheet 44

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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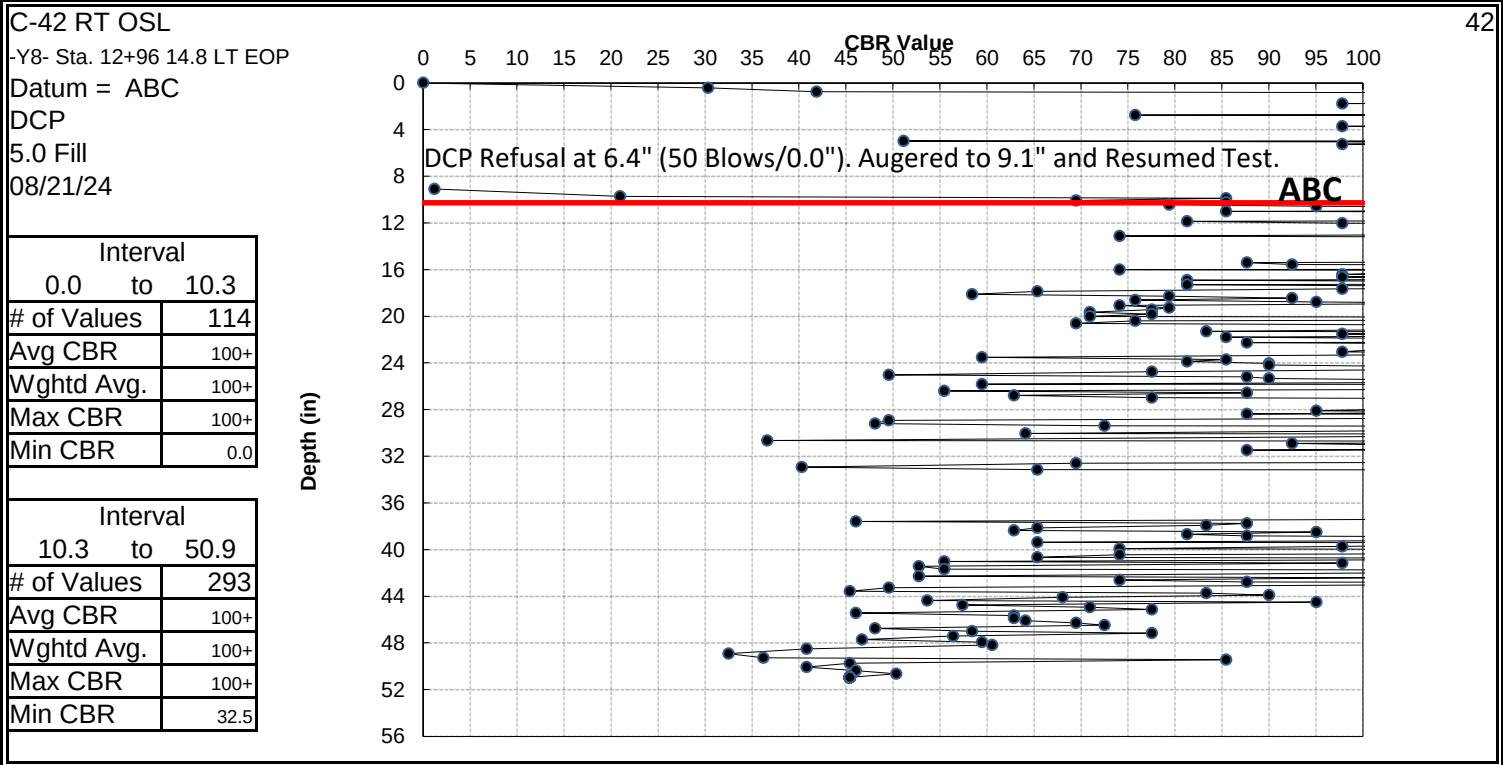
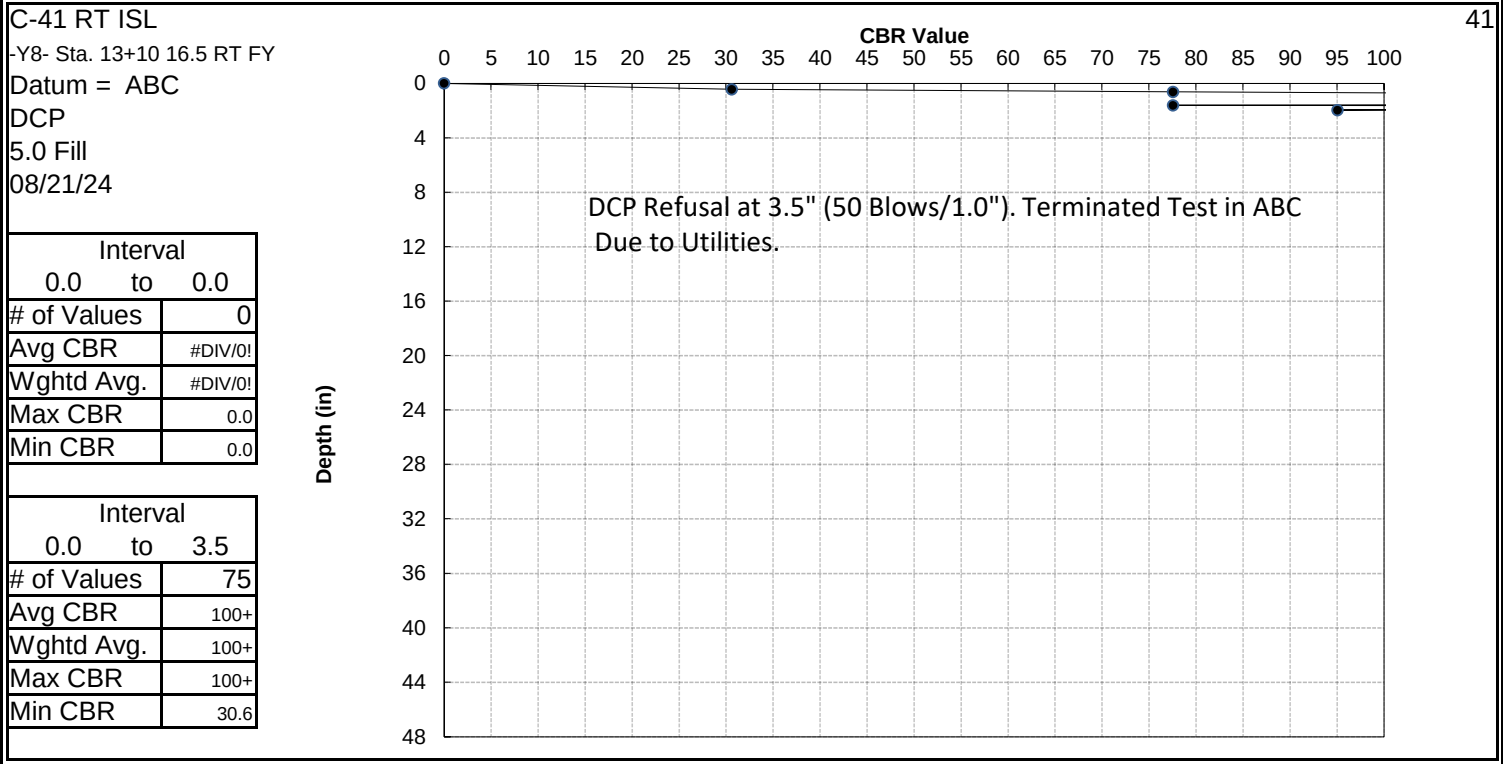


CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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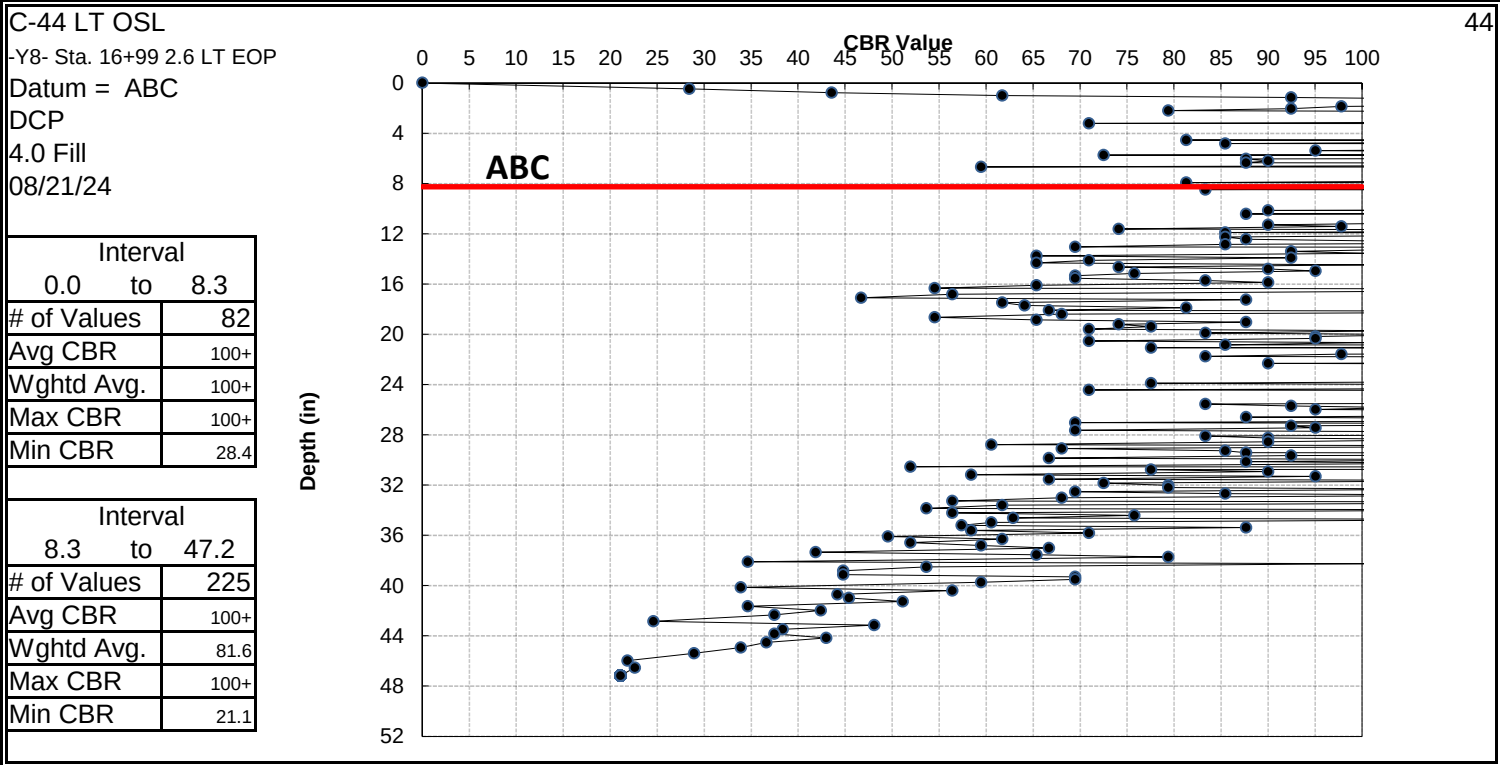
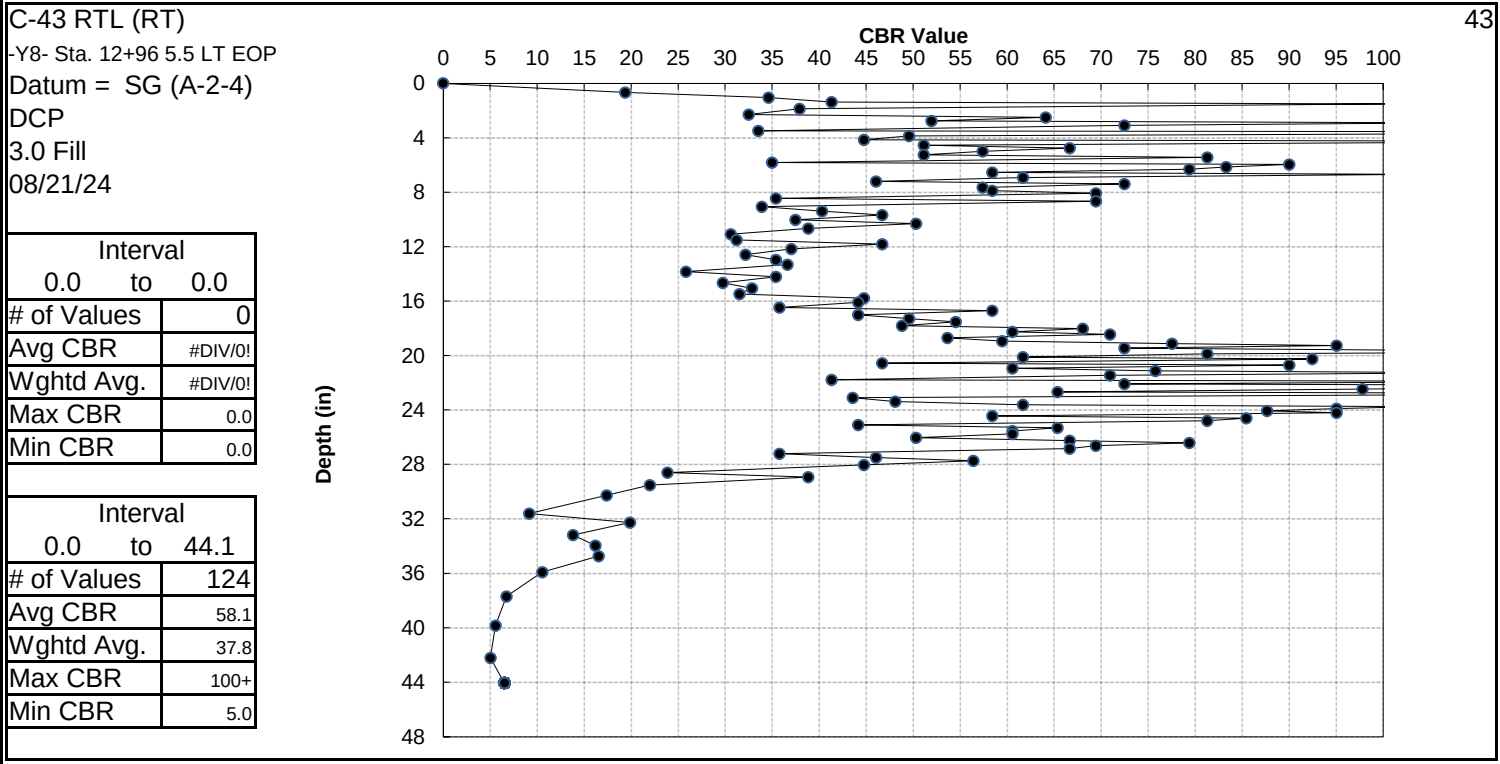
CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

Sheet 45

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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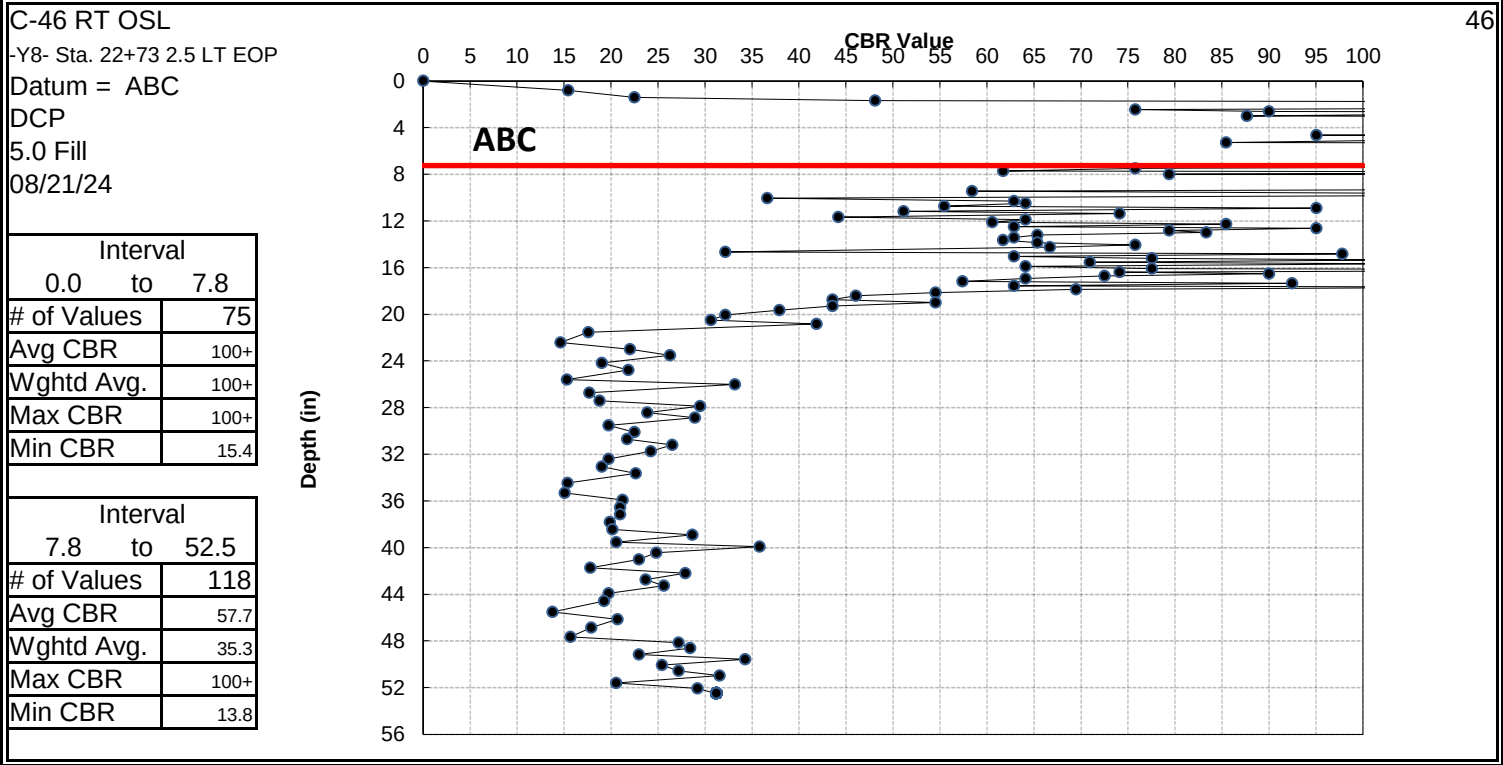
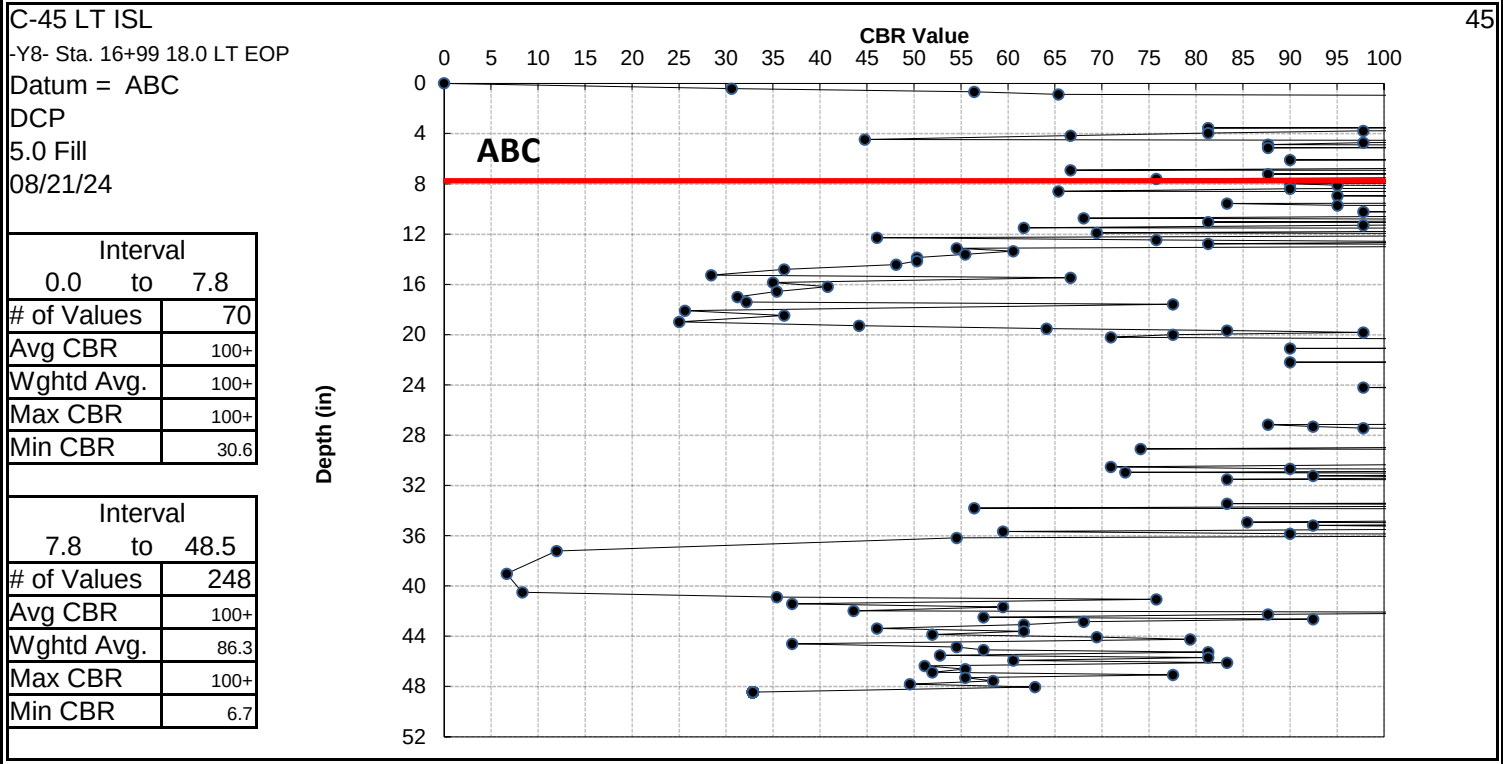


CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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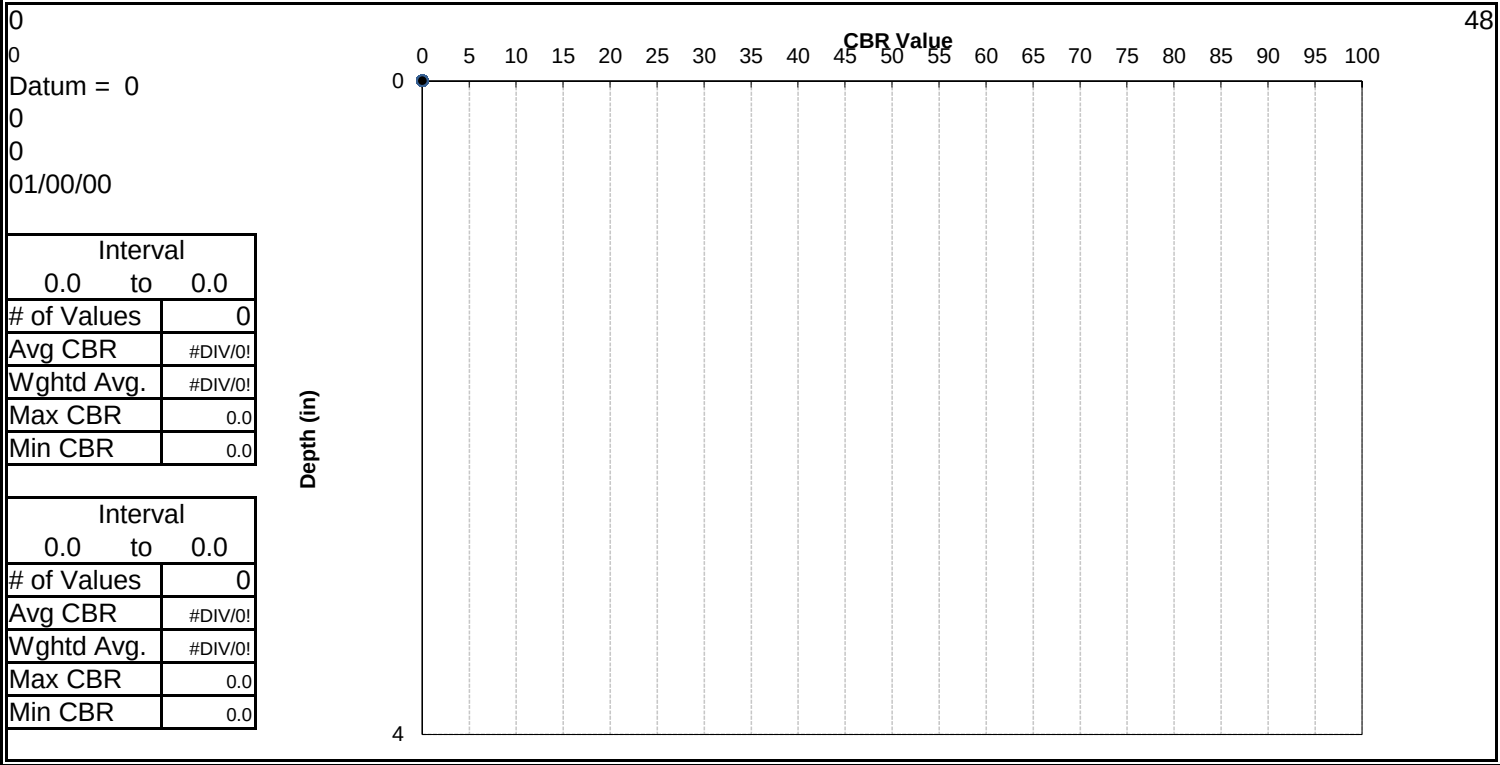
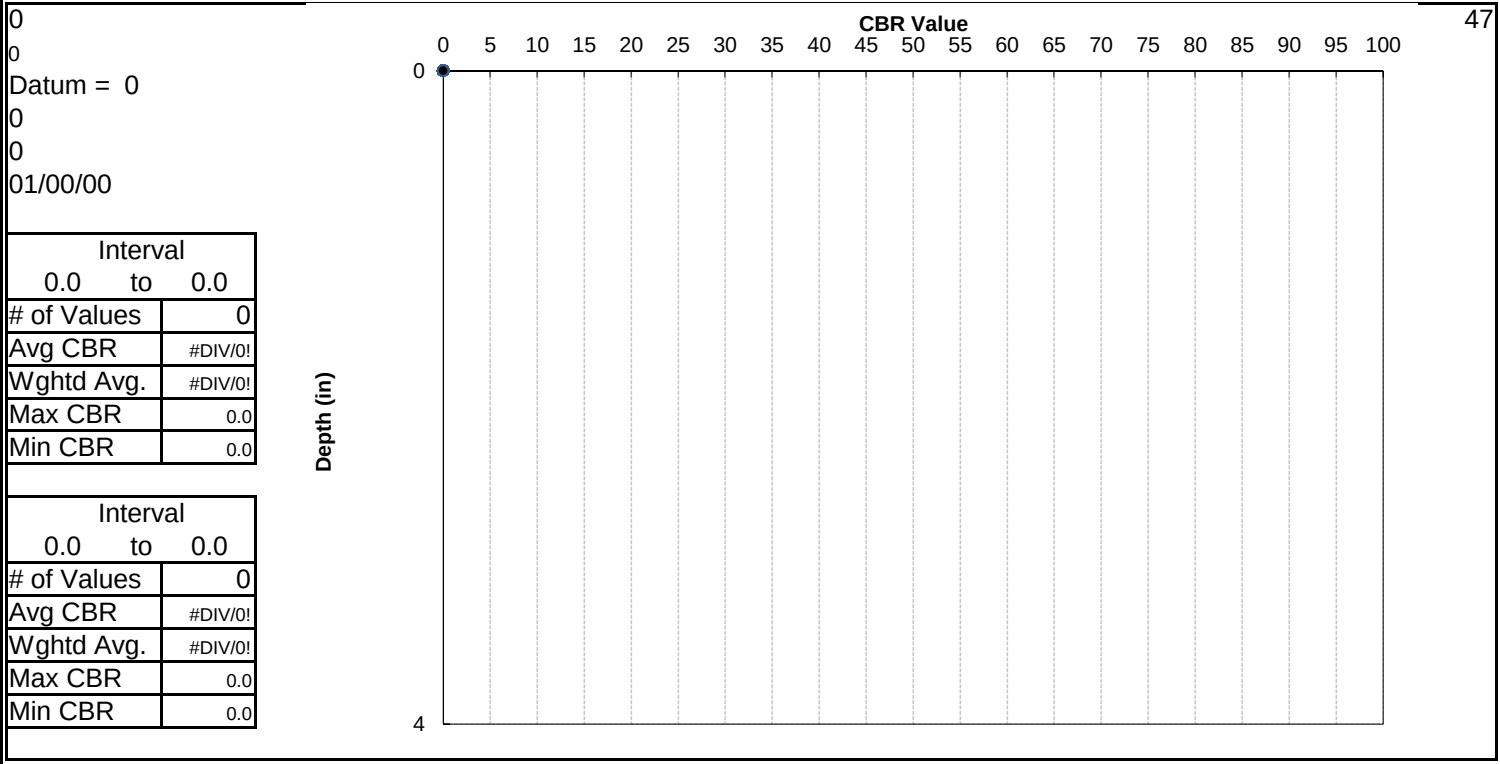
CONE PENETROMETER RESULTS
NCDOT, GEOTECHNICAL ENGINEERING UNIT

Sheet 46

PROJECT NO.	44677.3.1
PROJECT ID	U-5875
ROUTE	Allen Rd (SR 1203) from Stantonburg Rd (SR 1467) to Dickenson Ave Ext (US 13)
COUNTY	Pitt

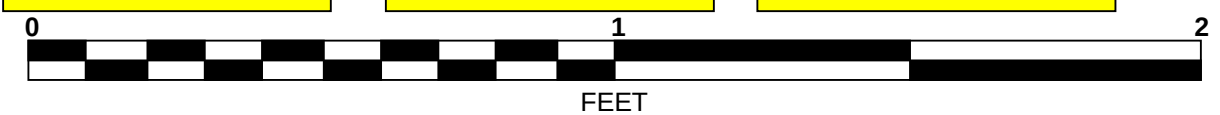
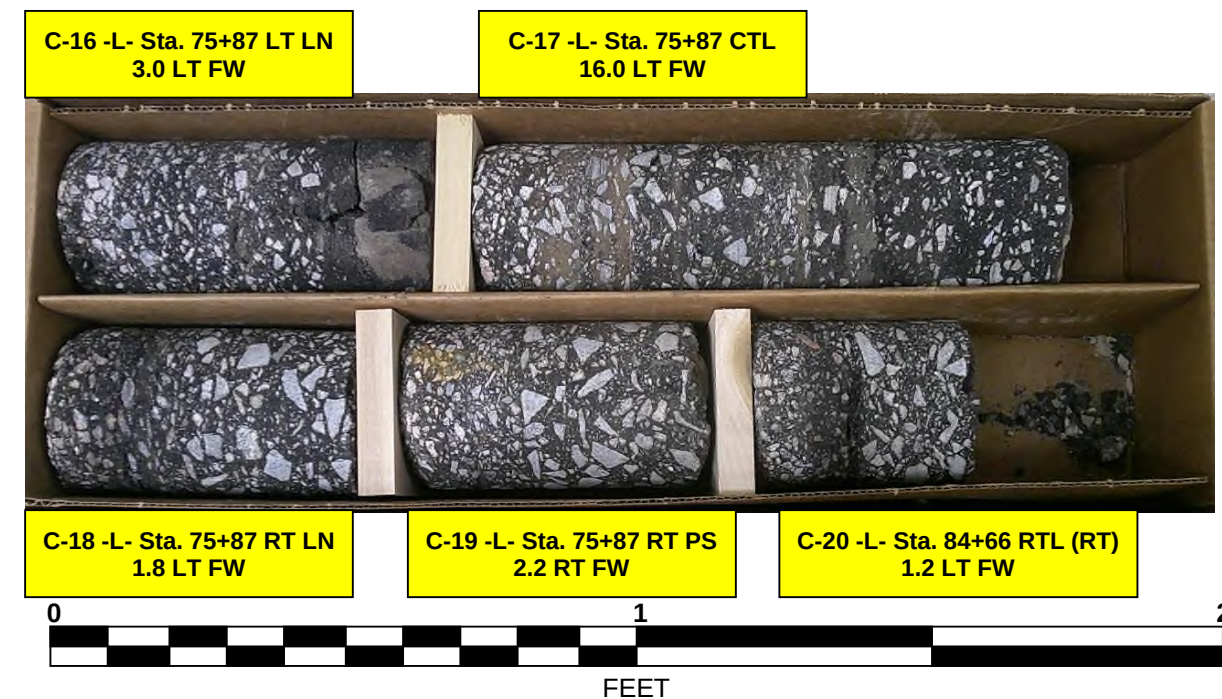
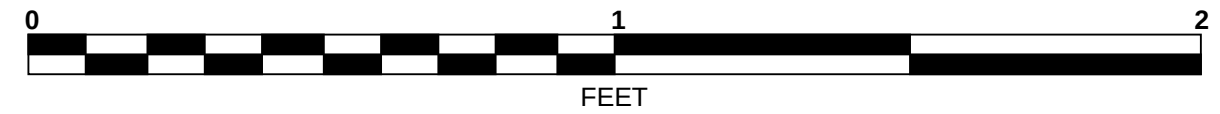
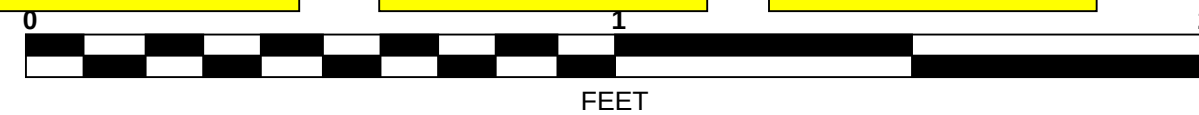
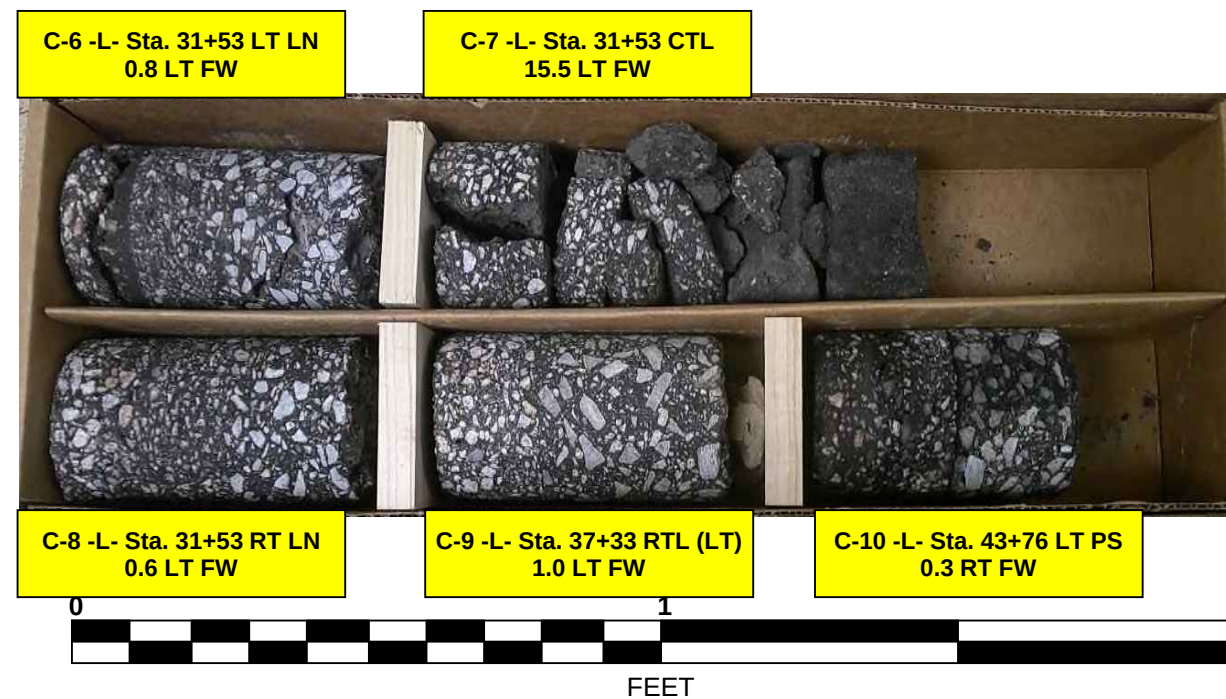
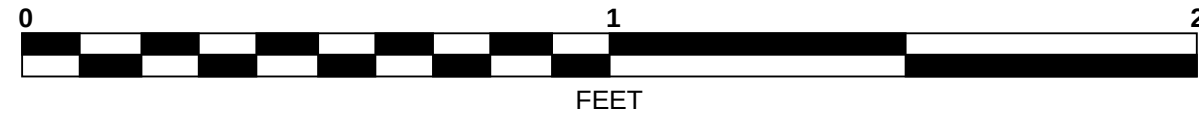
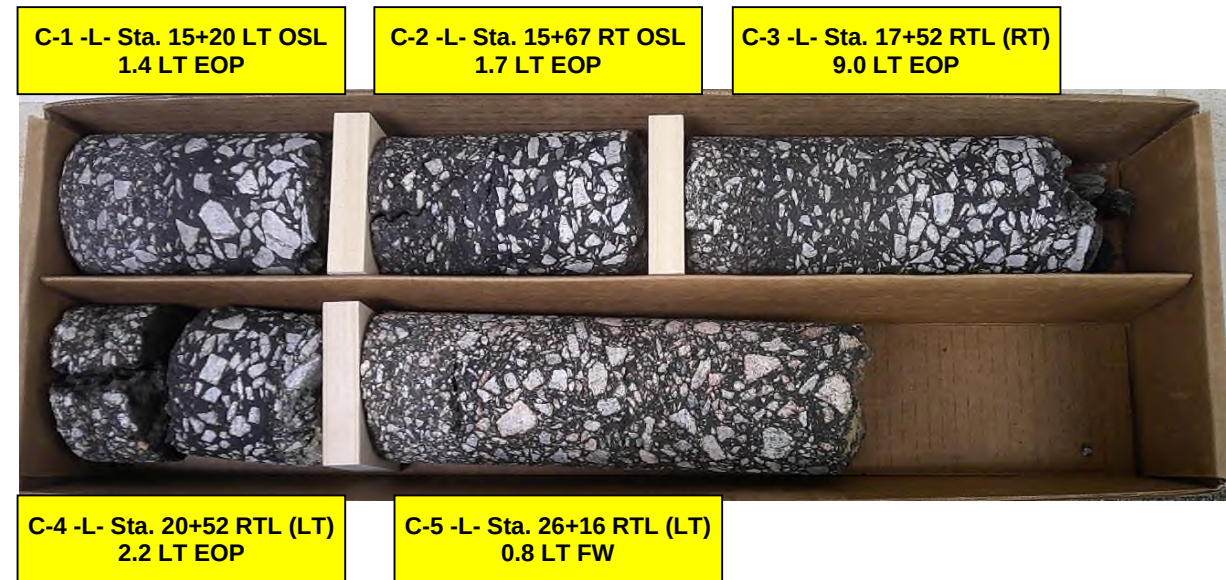
GEOLOGIST	T. Wenner
FIELD CREW	CG2 Exploration

FILE	DCP Graphs C-1- to C-20
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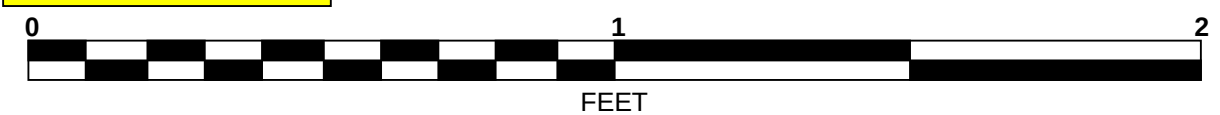
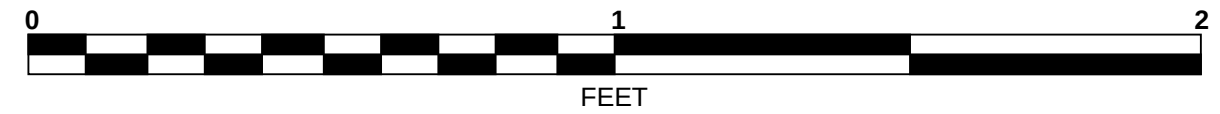
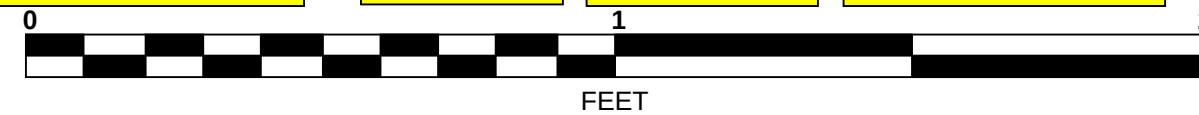
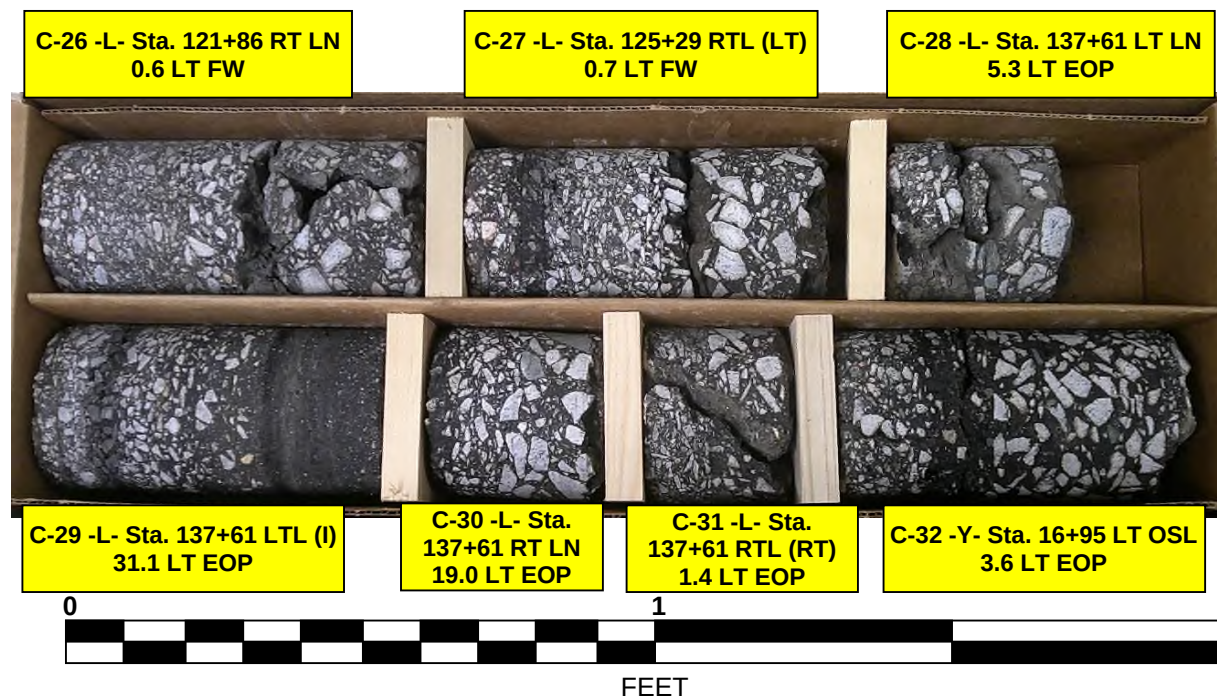
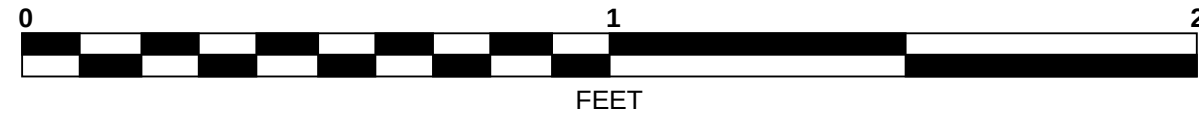
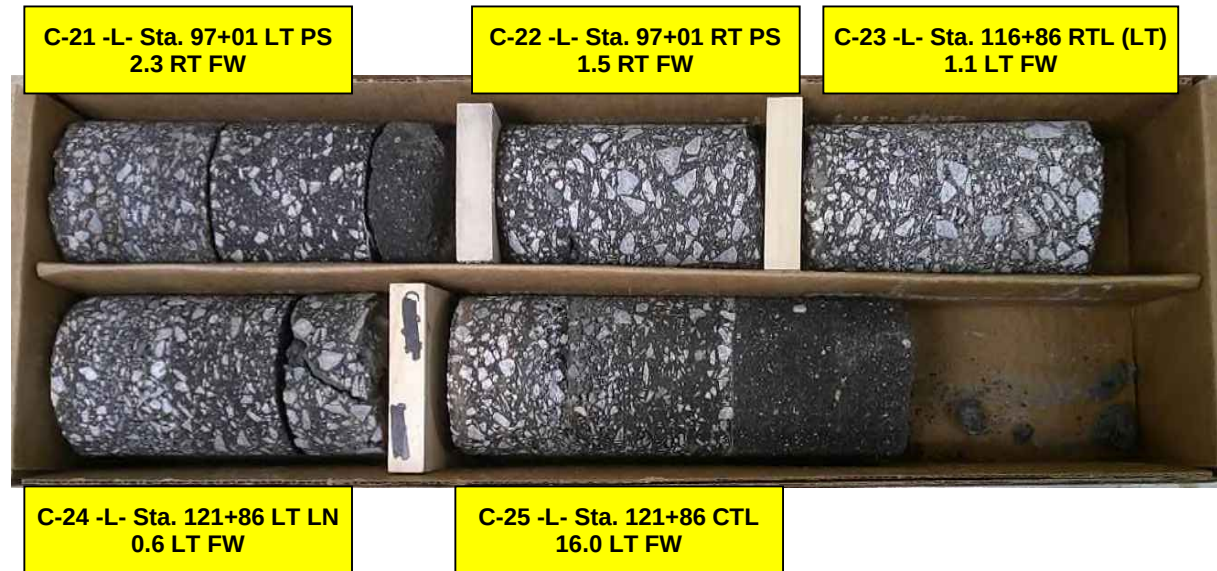
U-5875: Allen Road (SR 1203) Allen Road from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)

Pavement Core Photographs



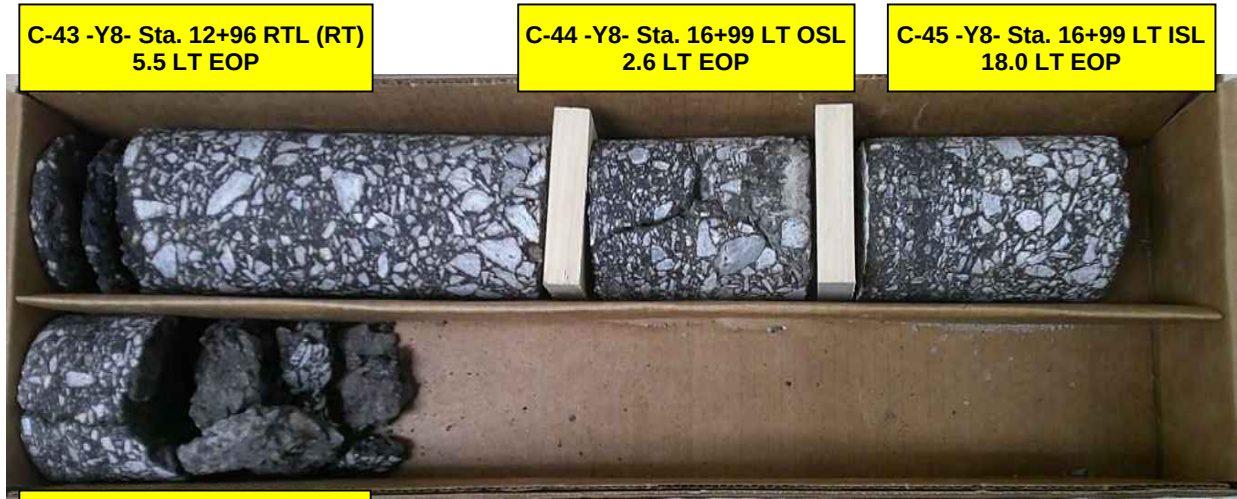
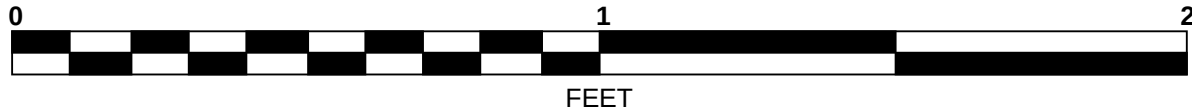
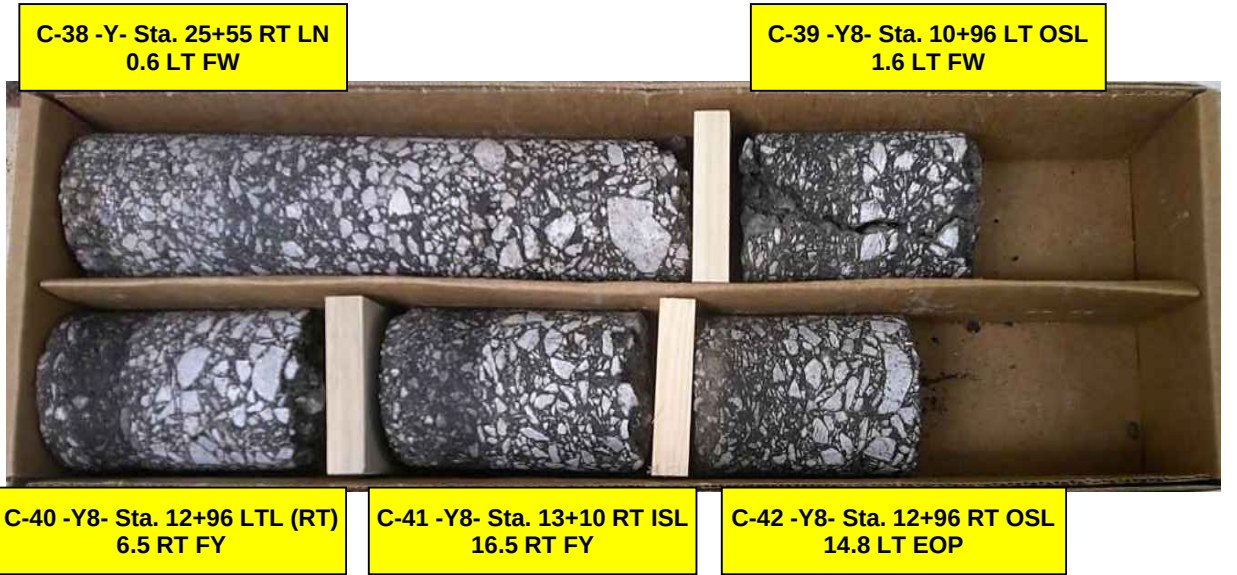
U-5875: Allen Road (SR 1203) Allen Road from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)

Pavement Core Photographs

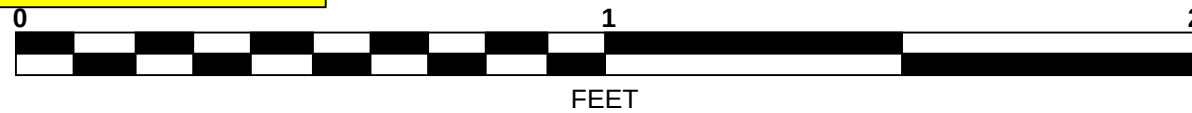


U-5875: Allen Road (SR 1203) Allen Road from Stantonsburg Rd (SR 1467) to Dickenson Ave Ext (US 13)

Pavement Core Photographs



C-46 -Y8- Sta. 22+73 RT OSL
2.5 LT EOP



ALIGNMENT	STATION	ABC (in)	LAYER THICKNESS (in)	LAYER	LIFT(S)	REMARKS
-L-	C-1 Sta. 15+20 LT OSL 1.4 LT EOP	9.00	2.50	S	2	Low to Moderate Severity Oxidation and Stripping, with some very small to small voids, FEA
	5.75" Asphalt		3.25	B	1	Low Severity Oxidation and Stripping, with some small to large voids
-L-	C-2 Sta. 15+67 RT OSL 1.7 LT EOP	9.00	2.75	S	2	Moderate to High Severity Oxidation and Stripping, with some small voids, 2.75" Top-down crack
	5.75" Asphalt		3.00	B	1	Low Severity Oxidation, Moderate Severity Stripping, with some small to medium voids,FEA
-L-	C-3 Sta.17+52 RTL (RT) 9.0 LT EOP	8.50	2.00	S	2	Low to Moderate Severity Oxidation and Stripping, with some very small to small voids
	8.50" Asphalt		2.50	I	1	Low Severity Oxidation and Stripping, with few small voids
			4.00	B	1	Low Severity Oxidation and Stripping, with few small voids
-L-	C-4 Sta.20+52 RTL (LT) 2.2 LT EOP	6.00	2.00	S	2	Low to Moderate Severity Oxidation and Stripping, with some very small to small voids, FEA
	5.00" Asphalt		3.00	I	1	Mechanical Break between S/I, Moderate to High Severity Oxidation and Stripping, with some small to medium voids
-L-	C-5 Sta.26+16 RTL (LT) 0.8 LT FW	-	2.00	S	2	Low Severity Oxidation and Stripping, with few very small voids, FEA
			3.50	I	1	Low to Moderate Severity Oxidation and Stripping, with some very small to small voids, FEA
	10.75" Asphalt		1.25	S	1	Moderate Oxidation and Stripping, with some very small voids, FEA
			4.00	B	1	Moderate Oxidation and Stripping, with some very small voids, FEA
-L-	C-6 Sta.31+53 LT LN 0.8 LT FW	8.25	3.00	S	3	Mechanical Break in lift 1, 4.5" crack in core, Low to Moderate Oxidation and Stripping, with some small voids, FEA
	6.25" Asphalt		3.25	I	1	Low Severity Oxidation, Moderate Severity Stripping, with some very small to medium voids, FEA
-L-	C-7 Sta.31+53 CTL 15.5 LT FW	-	7.00	S	Indistinct	Top-down crack in core, Mechanical Break/delamination between lifts 2 - 3, 3 - 4, 4 - 5, and 5 - 6, Moderate to High Oxidation and Stripping, with numerous small to medium voids
	10.00" Asphalt		3.00	SA	2	Moderate to High Oxidation and Stripping, with numerous small to medium voids, Mechanical Break between lifts
-L-	C-8 Sta.31+53 RT LN 0.6 LT FW	9.25	3.75	S	3	Low Severity Oxidation and Stripping, with few very small voids, FEA
	6.25" Asphalt		2.50	I	1	Low Severity Oxidation and Stripping, with few very small voids, FEA
-L-	C-9 Sta.37+33 RTL (LT) 1.0 LT FW	-	2.25	S	2	Low Severity Oxidation and Stripping, with few very small voids, FEA
	6.00" Asphalt		3.75	I	2	Low Severity Oxidation and Stripping, with few very small voids, FEA
-L-	C-10 Sta.43+76 LT PS 0.3 RT FW	13.75	2.75	S	2	Moderate to High Severity Oxidation and Stripping, with numerous very small to medium voids, FEA
	5.25" Asphalt		2.50	I	1	Moderate to High Oxidation and Stripping, with numerous very small to small voids, FEA
-L-	C-11 Sta.43+76 RT PS 0.5 RT FW	11.00	3.50	S	2	Low Severity Oxidation and Stripping, with few very small to small voids, FEA
	7.00" Asphalt		3.50	I	1	Delamination between S/I, Low Severity Oxidation and Stripping, with few very small to small voids, FEA
-L-	C-12 Sta.56+23 LT LN 1.2 LT FW	9.25	2.00	S	2	Low to Moderate Severity Oxidation and Stripping, with few very small to small voids, FEA
	4.75" Asphalt		2.75	I	1	Mechanical Break between S/I, Top-down crack, Low to Moderate Oxidation and Stripping, with some small voids, FEA
-L-	C-13 Sta.56+23 CTL 16.0 LT FW	-	3.50	S	3	Low Severity Oxidation and Stripping, with numerous very small voids, FEA
	6.25" Asphalt		2.75	SA	2	Moderate to High Severity Oxidation and Stripping, with numerous very small to small voids

S = Surface Course Asphalt
I = Intermediate Course Asphalt
B= Base Course Asphalt
SA = Sand Asphalt
DB = Decorative Brick
C = Concrete

ALIGNMENT	STATION	ABC (in)	LAYER THICKNESS (in)	LAYER	LIFT(S)	REMARKS
-L-	C-14 Sta.56+23 RT LN 1.3 LT FW	7.00	1.50	S	1	Low Severity Oxidation and Stripping, with few very small voids, FEA
	6.00" Asphalt		4.50	I	2	Mechanical break between S/I, Low to Moderate Severity Oxidation and Stripping, with some very small to small voids, FEA
-L-	C-15 Sta. 75+87 LT PS 2.8 RT FW	-	2.50	S	2	Low Severity Oxidation and Stripping, with few very small voids, FEA
			4.25	I	2	Low Severity Oxidation, Low to Moderate Severity Stripping, with some very small to medium voids, FEA
	9.50" Asphalt		2.75	SA	2	Delamination between I/SA, Delamination between lifts, Moderate to High Severity Oxidation and Stripping, with numerous very small voids
-L-	C-16 Sta. 75+87 LT LN 3.0 LT FW	-	5.50	S	4	Low Severity Oxidation, Low to Moderate Severity Stripping, with some very small to medium voids, FEA
	7.75" Asphalt		2.25	SA	2	Start of delamination between lifts, Top-down crack, High Severity Oxidation and Stripping, with numerous very small to medium voids
-L-	C-17 Sta. 75+87 CTL 16.0 LT FW	-	3.25	S	3	Low Severity Oxidation and Stripping, with few very small voids, FEA
			2.50	I	1	Low Severity Oxidation, Low to Moderate Severity Stripping, with some small to medium voids
	12.75" Asphalt		7.00	S	6	Low to Moderate Severity Oxidation and Stripping, with some very small to small voids, FEA
-L-	C-18 Sta. 75+87 RT LN 1.8 LT FW	13.50	2.25	S	2	Low Severity Oxidation and Stripping, with some very small to small voids, FEA
	6.50" Asphalt		4.25	I	2	Low Severity Oxidation and Stripping, with some very small to small voids, FEA
-L-	C-19 Sta. 75+87 RT PS 2.2 RT FW	14.75	2.75	S	2	Low Severity Oxidation and Stripping, with few very small voids, FEA
	6.25" Asphalt		3.50	I	1	Low Severity Oxidation and Stripping, with few very small voids, FEA
-L-	C-20 Sta. 84+66 RTL (RT) 1.2 LT FW	4.50	2.00	S	2	Low Severity Oxidation and Stripping, with some very small to small voids, FEA
	4.50" Asphalt		2.50	I	1	Low Severity Oxidation and Stripping, with few very small voids, FEA
-L-	C-21 Sta. 97+01 LT PS 2.3 RT FW	-	6.50	S	4	Delamination between lifts 2 and 3, Low Severity Oxidation and Stripping, with few very small to small voids, FEA
	8.25" Asphalt		1.75	SA	1	Moderate to High Severity Oxidation and Stripping, with numerous very small voids
-L-	C-22 Sta. 97+01 RT PS 1.5 RT FW	10.00	2.25	S	2	Low Severity Oxidation and Stripping, with few very small voids, FEA
	5.50" Asphalt		3.25	I	1	Low Severity Oxidation and Stripping, with few very small voids, FEA
-L-	C-23 Sta. 116+86 RTL (LT) 1.1 LT FW	9.75	2.75	S	2	Low Severity Oxidation and Stripping, with few very small to small voids, FEA
	6.25" Asphalt		3.50	I	2	Low Severity Oxidation and Stripping, with few very small to small voids, FEA
-L-	C-24 Sta. 121+86 LT LN 0.6 LT FW	8.25	2.50	S	2	Low Severity Oxidation, Low Severity Stripping, with some very small to small voids, FEA
	6.75" Asphalt		4.25	I	2	Delamination between lifts 1 and 2, Top-down crack in lift 2, Low Severity Oxidation and Stripping, with some very small to medium voids, FEA
-L-	C-25 Sta. 121+86 CTL 16.0 LT FW	-	6.00	S	6	Low Severity Oxidation, Low to Moderate Severity Stripping, with some very small to small voids, FEA
	9.75" Asphalt		3.75	SA	2	3 2.5-3.0" Bottom-up cracks, Moderate to High Severity Oxidation and Stripping, with numerous very small voids
-L-	C-26 Sta. 121+86 RT LN 0.6 LT FW	6.75	2.25	S	2	Low Severity Oxidation and Stripping, with few very small voids, FEA
			2.50	I	1	Low Severity Oxidation, Moderate Severity Stripping, with some small to medium voids, FEA
	7.75" Asphalt		3.00	B	1	Mechanical Break in lift, Low Severity Oxidation, Moderate Severity Stripping, with some medium to large voids, FEA

S = Surface Course Asphalt
I = Intermediate Course Asphalt
B= Base Course Asphalt
SA = Sand Asphalt
DB = Decorative Brick
C = Concrete

ALIGNMENT	STATION	ABC (in)	LAYER THICKNESS (in)	LAYER	LIFT(S)	REMARKS
-L-	C-27 Sta. 125+29 RTL (LT) 0.7 LT FW	-	1.50	S	1	Low Severity Oxidation, Low to Moderate Severity Stripping, with some very small to small voids, FEA
	8.00" Asphalt		6.50	I	2	Mechanical Break between lifts, Low Severity Oxidation, Low to Moderate Severity Stripping, with some very small to large voids, FEA
-L-	C-28 Sta. 137+61 LT LN 5.3 LT EOP	8.50	1.25	S	1	1.25" Top-down crack, Mechanical break in lift, Low to Moderate Oxidation and Stripping, with some very small to small voids, FEA
	3.50" Asphalt		2.25	I	1	Low to Moderate Severity Oxidation and Stripping, with some medium to large voids
-L-	C-29 Sta. 137+61 LTL (I) 31.1 LT EOP	-	4.50	S	4	Low Severity Oxidation, Low to Moderate Severity Stripping, With some very small to small voids, FEA
	7.00" Asphalt		2.50	SA	2	Low to Moderate Severity Oxidation and Stripping, with some very small voids
-L-	C-30 Sta. 137+61 RT LN 19.0 LT EOP	7.50	1.50	S	1	Low Severity Oxidation and Stripping, with few very small voids, FEA
	3.50" Asphalt		2.00	I	1	Low Severity Oxidation, Low to Moderate Severity Stripping, with some small to medium voids, FEA
-L-	C-31 Sta. 137+61 RTL (RT) 1.4 LT EOP	8.00	1.25	S	1	Top-down crack in core, Low Severity Oxidation, Low to Moderate Severity Stripping, with some very small to small voids, FEA
	3.00" Asphalt		1.75	I	1	Low Severity Oxidation, Low to Moderate Severity Stripping, with some small to medium voids
-Y-	C-32 Sta. 16+95 LT OSL 3.6 LT EOP	5.00	2.00	S	2	Low Severity Oxidation and Stripping, with few very small voids, FEA
	7.00" Asphalt		5.00	I	2	Moderate to High Severity Oxidation and Stripping, Mechanical Break in lift, with numerous very small to small voids, Bleeding,FEA
-Y-	C-33 Sta. 16+95 CTL 6.6 LT FY (FR LT LN) 8.75" Asphalt, 3.50" Decorative Brick, 4.75" Concrete	-	3.00	S	Indistinct	High Severity Oxidation and Stripping, Disintegrated
			3.00	SA	1	High Severity Oxidation and Stripping, with numerous very small voids
			2.75	I	1	Low Severity Oxidation, Moderate Severity Stripping, with some very small to small voids
			3.50	DB	1	Low Severity Oxidation and Stripping, with some small voids
			4.75	C	1	Low Severity Oxidation and Stripping, with some small to medium voids
-Y-	C-34 Sta. 16+95 RT OSL/RTL 2.6 LT EOP	8.75	2.75	S	2	Low Severity Oxidation, Moderate Severity Stripping, with some very small to small voids
	6.25" Asphalt		3.50	B	1	Low to Moderate Severity Oxidation and Stripping, with some small to medium voids
-Y-	C-35 Sta. 21+59 RT OSL 7.0 LT FW	13.25	3.50	S	3	Delamination between lifts 2-3, Moderate to High Severity Oxidation and Stripping, with numerous very small to small voids
	5.75" Asphalt		2.25	I	1	Low to Moderate Oxidation and Stripping, with some small to medium voids
-Y-	C-36 Sta. 25+55 LT LN (O) 1.0 LT FW 12.50" Asphalt	-	4.00	S	4	Low to Moderate Severity Stripping, with some very small to small voids, FEA
			3.00	B	1	Low Severity Oxidation and Stripping, with few small voids
			3.50	I	2	Low Severity Oxidation and Stripping, with few small voids
			2.00	B	1	Low Severity Oxidation and Stripping, with few small voids
-Y-	C-37 Sta. 25+55 LT LN (I) 4.5 LT FW 11.00" Asphalt	-	5.00	S	5	Delamination between lifts 2-3, Moderate to High Severity Oxidation and Stripping, with numerous very small to small voids
			3.00	I	2	Moderate Severity Oxidation and Stripping, with some very small voids, FEA
			3.00	SA	1	High Severity Oxidation and Stripping, with numerous very small voids

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ALIGNMENT	STATION	ABC (in)	LAYER THICKNESS (in)	LAYER	LIFT(S)	REMARKS
-Y-	C-38 Sta. 25+55 RT LN	-	2.50	S	2	Low Severity Oxidation, Moderate Severity Stripping, with some small to medium voids, FEA
	0.6 LT FW		3.25	I	2	Low Severity Oxidation and Stripping, with few small voids
	13.25" Asphalt		7.50	B	2	Low Severity Oxidation and Stripping, with few small voids
-Y8-	C-39 Sta. 10+96 LT OSL	8.50	2.00	S	2	Top-down crack in core, Moderate to High Severity Oxidation and Stripping, with numerous very small to large voids
	1.6 LT FW		3.00	I	1	Low to Moderate Severity Oxidation and Stripping, with some very small to medium voids
-Y8-	C-40 Sta. 12+96 LTL (RT)	9.50	3.00	S	3	Low Severity Oxidation, Moderate Severity Stripping, with some very small to small voids, FEA
	6.5 RT FY		2.50	I	1	Low Severity Oxidation and Stripping, with few small voids
-Y8-	C-41 Sta. 13+10 RT ISL	Yes	2.50	S	2	Low to Moderate Severity Oxidation and Stripping, with some very small to small voids, FEA
	16.5 RT FY		3.00	I	1	Low Severity Oxidation and Stripping, with some small voids
-Y8-	C-42 Sta. 12+96 RT OSL	10.25	2.00	S	2	Low to Moderate Severity Oxidation and Stripping, with some small voids, FEA
	14.8 LT EOP		2.75	I	1	Low Severity Oxidation and Stripping, with few small voids
-Y8-	C-43 Sta. 12+96 RTL (LT)	-	2.25	S	2	Mechanical Break in lift 1 and between lifts 1-2, High Severity Oxidation and Stripping
	5.5 LT EOP		8.00	I	3	Low Severity Oxidation and Stripping, with few very small voids, FEA
-Y8-	C-44 Sta. 16+99 LT OSL	8.25	2.25	S	2	2.25" Top-down crack in core, Low Severity Oxidation and Stripping, with some small voids
	2.6 LT EOP		2.50	I	1	Low Severity Oxidation, Moderate Severity Stripping, with some small to large voids
-Y8-	C-45 Sta. 16+99 LT ISL	7.75	2.25	S	2	Moderate Severity Oxidation and Stripping, with some small voids, FEA
	18.0 LT EOP		3.00	I	1	Low Severity Oxidation, Moderate Severity Stripping, with some small voids
-Y8-	C-46 Sta. 22+73 RT OSL	7.25	2.00	S	2	Low Severity Oxidation, Moderate Severity Stripping, Top-down crack in core
	2.5 LT EOP		3.25	I	Indistinct	Disintegrated, High Severity Oxidation and Stripping
	5.25" Asphalt					

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F&ME CONSULTANTS, INC.

211 BUSINESS PARK BOULEVARD, COLUMBIA SC 29203

(CERT No.: 130-0212)

Project

Allen Road (SR 1203) Allen Road from
Stantonsburg Rd (SR 1467) to Dickenson
Ave Ext (US 13)

T.I.P. No.

U-5875

County

Pitt

F&ME Job No.

C8806.001 - Task 00031

Date Received

8/22/2024

Date Reported

9/20/2024

Tested By

F&ME

CERT No.:

130-0212

SOIL TEST RESULTS																	
SAMPLE NO.	ALIGNMENT	STATION	LANE	OFFSET (ft.)	DEPTH INTERVAL (ft.)	AASHTO CLASS	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			%	%
									C. SAND	F. SAND	SILT	CLAY	10	40	200	MOISTURE	ORGANIC
S-1	-L-	15+20	LT OSL	1.4 LT EOP	1.2 - 4.0	A-2-4	18	5	14.7%	54.8%	12.4%	18.1%	97.2%	90.5%	33.0%	10.1%	ND
S-2	-L-	15+67	RT OSL	1.7 LT EOP	1.2 - 5.0	A-2-4	NP	NP	25.0%	43.9%	17.0%	14.1%	92.4%	79.5%	32.3%	8.6%	ND
S-3	-L-	17+52	RTL (RT)	9.0 LT EOP	1.4 - 5.0	A-4(0)	NP	NP	5.4%	56.0%	20.5%	18.1%	99.4%	97.6%	43.0%	14.2%	ND
S-4	-L-	20+52	RTL (LT)	2.2 LT EOP	0.9 - 3.5	A-2-4	NP	NP	41.0%	36.2%	14.8%	8.0%	97.6%	78.2%	25.4%	9.1%	ND
S-6	-L-	31+53	LT LN	0.8 LT FW	1.2 - 5.0	A-4(0)	NP	NP	6.8%	57.7%	23.4%	12.1%	94.3%	90.1%	37.0%	8.5%	ND
S-7	-L-	31+53	CTL	15.5 LT FW	0.8 - 5.0	A-4(0)	NP	NP	4.6%	59.5%	19.8%	16.1%	99.2%	97.1%	39.3%	25.8%	ND
S-8	-L-	31+53	RT LN	0.6 LT FW	1.3 - 5.0	A-6(2)	24	12	3.3%	51.8%	20.6%	24.3%	96.9%	95.7%	46.2%	19.2%	ND
S-10	-L-	43+76	LT PS	0.3 RT FW	1.6 - 5.0	A-4(0)	19	7	6.1%	53.2%	18.5%	22.2%	93.1%	89.7%	40.8%	14.0%	ND
S-13	-L-	56+23	CTL	16.0 LT FW	0.5 - 1.5	A-2-4	17	3	7.5%	61.9%	14.5%	16.1%	99.5%	96.0%	34.8%	8.9%	ND
S-14	-L-	56+23	RT LN	1.3 LT FW	1.1 - 5.0	A-6(2)	38	11	31.3%	24.8%	23.6%	20.3%	94.8%	73.2%	45.9%	17.7%	ND
S-18	-L-	75+87	RT LN	1.8 LT FW	1.7 - 5.0	A-6(3)	25	15	6.7%	46.2%	16.8%	30.3%	93.8%	89.8%	47.6%	12.2%	ND
S-20	-L-	84+66	RTL (RT)	1.2 LT FW	0.8 - 2.0	A-4(0)	19	8	7.6%	54.3%	15.9%	22.2%	98.4%	96.7%	40.9%	12.6%	ND
S-22	-L-	97+01	RT PS	1.5 RT FW	1.3 - 5.0	A-4(0)	16	5	6.7%	53.6%	19.6%	20.1%	89.4%	86.2%	39.5%	16.7%	ND
S-23	-L-	116+86	RTL (LT)	1.1 LR FW	1.3 - 5.0	A-2-4	NP	NP	38.0%	52.2%	7.8%	2.0%	88.1%	72.7%	10.7%	11.7%	ND
S-25	-L-	121+86	CTL	16.0 LT FW	0.8 - 1.5	A-4(0)	NP	NP	19.1%	48.2%	20.6%	12.1%	97.5%	86.4%	35.8%	9.2%	ND
S-26	-L-	121+86	RT LN	0.6 LT FW	1.2 - 2.0	A-2-4	NP	NP	21.4%	52.6%	16.0%	10.0%	97.1%	85.3%	29.4%	11.2%	ND
S-27	-L-	125+29	RTL (LT)	0.7 LT FW	1.1 - 5.0	A-2-4	NP	NP	11.1%	57.7%	15.1%	16.1%	87.5%	82.7%	30.8%	8.1%	ND
S-28	-L-	137+61	LT LN	5.3 LT EOP	1.0 - 5.0	A-4(0)	15	5	5.4%	57.2%	19.3%	18.1%	98.8%	96.5%	41.3%	12.1%	ND
S-33	-Y-	16+95	CTL	6.6 LT FY (FR LT LN)	1.4 - 5.0	A-4(1)	22	8	4.0%	53.8%	18.0%	24.2%	99.8%	98.4%	45.7%	14.9%	ND
S-35A	-Y-	21+59	RT OSL	7.0 LT FW	3.0 - 5.0	A-4(0)	NP	NP	7.4%	60.4%	18.1%	14.1%	99.3%	96.4%	36.5%	19.3%	ND
S-37	-Y-	25+55	LT LN (I)	4.5 LT FW	0.9 - 2.0	A-2-4	NP	NP	27.3%	42.2%	14.4%	16.1%	85.4%	70.9%	28.6%	7.8%	ND
S-37A	-Y-	25+55	LT LN (I)	4.5 LT FW	2.0 - 5.0	A-4(0)	16	2	5.1%	58.3%	20.5%	16.1%	100.0%	98.3%	40.5%	16.5%	ND
S-40	-Y8-	12+96	LTL (RT)	6.5 RT FY	1.3 - 5.0	A-2-4	NP	NP	52.3%	29.7%	12.0%	6.0%	96.1%	65.9%	20.6%	5.3%	ND
S-45	-Y8-	16+99	LT ISL	18.0 LT EOP	1.1 - 5.0	A-2-4	NP	NP	57.6%	22.9%	15.5%	4.0%	95.9%	64.6%	21.0%	5.8%	ND
S-46	-Y8-	22+73	RT OSL	2.5 LT EOP	1.0 - 5.0	A-2-4	NP	NP	18.7%	48.0%	21.3%	12.0%	79.6%	69.9%	30.3%	7.5%	ND



Authorized Signature

130-04-0212

NCDOT Cert. No.

09/20/24

Date

Prepared in the Office of:
F&ME CONSULTANTS, INC.
COLUMBIA, SOUTH CAROLINA
NCDOT LAB CERT. NO. 130-0212

F&ME CONSULTANTS, INC.
211 BUSINESS PARK BOULEVARD, COLUMBIA SC 29203
(CERT No.: 130-0212)

SR 1203 (Allen Road) from SR 1467
(Stantonsburg Road) to US 13
Project (Dickinson Avenue Extension)

T.I.P. No. U-5875

County Pitt

F&ME Job No. C8806.001 - Task 00031

Date Received 8/16/2024

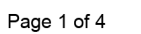
Date Reported 9/6/2024

Tested By F&ME

CERT No.: 130-0212

SOIL TEST RESULTS															
SAMPLE NO.	OFFSET (ft.)	STATION	DEPTH INTERVAL (ft.)	AASHTO CLASS	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			%	%
							C. SAND	F. SAND	SILT	CLAY	10	40	200	MOISTURE	ORGANIC
Bulk-1	44 RT	-L- 20+61	0.0 - 3.0	A-4(1)	21	7	4.0%	47.0%	20.7%	28.3%	99.7%	98.3%	52.5%	14.0%	ND
Bulk-2	92 RT	-L- 56+95	0.0 - 3.0	A-6(5)	29	14	1.9%	43.8%	15.7%	38.6%	100.0%	99.6%	57.6%	24.4%	ND
Bulk-3	66 RT	-L- 95+00	1.0 - 3.0	A-4(0)	17	1	3.0%	61.6%	17.3%	18.1%	99.9%	99.6%	39.8%	13.6%	ND
Bulk-4	86 LT	-L- 129+83	1.0 - 3.0	A-4(0)	16	3	4.1%	55.6%	18.2%	22.1%	100.0%	99.0%	44.1%	17.6%	ND

	130-04-0212
	NCDOT Cert. No.
	09/06/24
Authorized Signature	Date



REV 01/2023

CALIFORNIA BEARING RATIO (CBR)
AASHTO T193

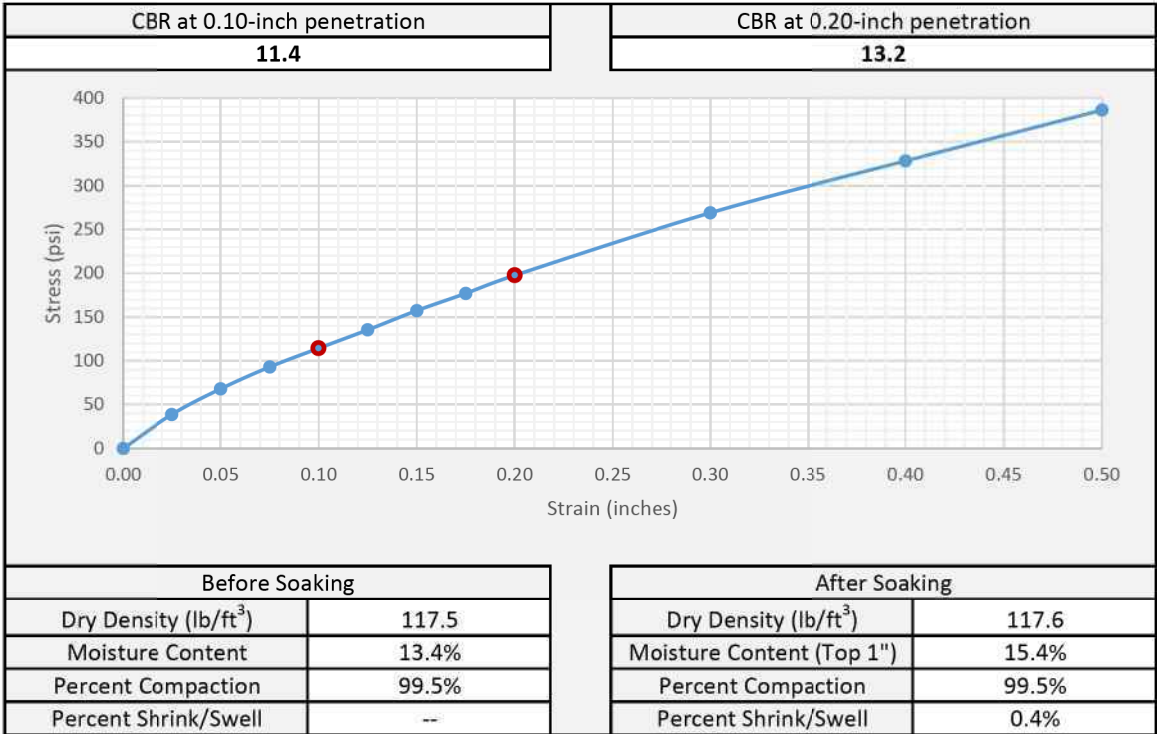
SAMPLE INFORMATION

Project Name	SR 1203 from SR 1467 to US 13		NCDOT STIP NO.	U-5875	
Sample Location	Bulk-1 (Specimen A)		FME Lab ID	24-2732	
Soil Description	A-4(1)		Depth/Elev.	0.0 - 3.0	
Date Sampled	--	Sampled By:	CG2	Date Received	8/16/2024
Date Test Began	8/23/2024	Date Completed	8/27/2024	Tested By	AA/DH

MOLDING CHARACTERISTICS

Method	AASHTO T99 - Method A	% Retained on 3/4" Sieve	0%
Max Dry Density (lb/ft ³)	118.1	Optimum Moisture Content (%)	12.9
Soak Time (hr)	96	Surcharge Weight (lb)	10.0

TESTING RESULTS



ADDITIONAL COMMENTS

Target %Compaction = 100%

	F&ME Consultants, Inc. 211 Business Park Blvd., Columbia, South Carolina 29203		130-04-0212
			NCDOT Cert. No. 09/06/24
		Authorized Signature	Date

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CALIFORNIA BEARING RATIO (CBR)
AASHTO T193

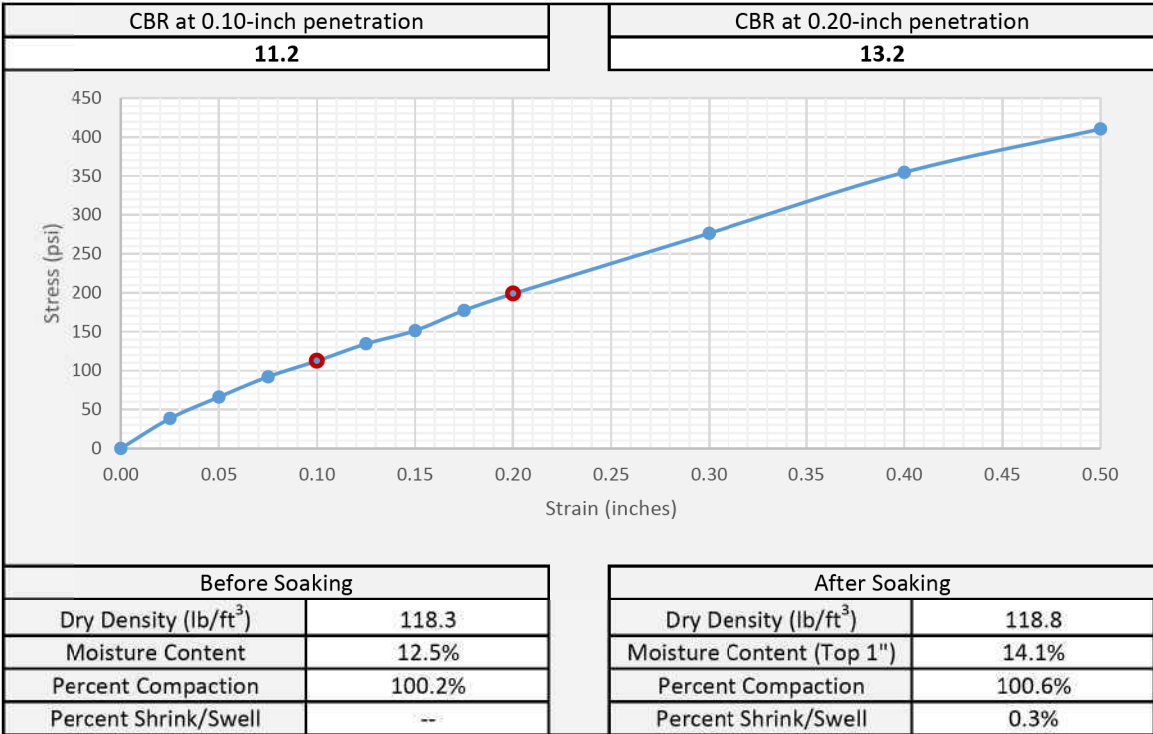
SAMPLE INFORMATION

Project Name	SR 1203 from SR 1467 to US 13		NCDOT STIP NO.	U-5875	
Sample Location	Bulk-1 (Specimen B)		FME Lab ID	24-2732	
Soil Description	A-4(1)		Depth/Elev.	0.0 - 3.0	
Date Sampled	--	Sampled By:	CG2	Date Received	8/16/2024
Date Test Began	8/23/2024	Date Completed	8/27/2024	Tested By	AA/DH

MOLDING CHARACTERISTICS

Method	AASHTO T99 - Method A	% Retained on 3/4" Sieve	0%
Max Dry Density (lb/ft ³)	118.1	Optimum Moisture Content (%)	12.9
Soak Time (hr)	96	Surcharge Weight (lb)	10.0

TESTING RESULTS

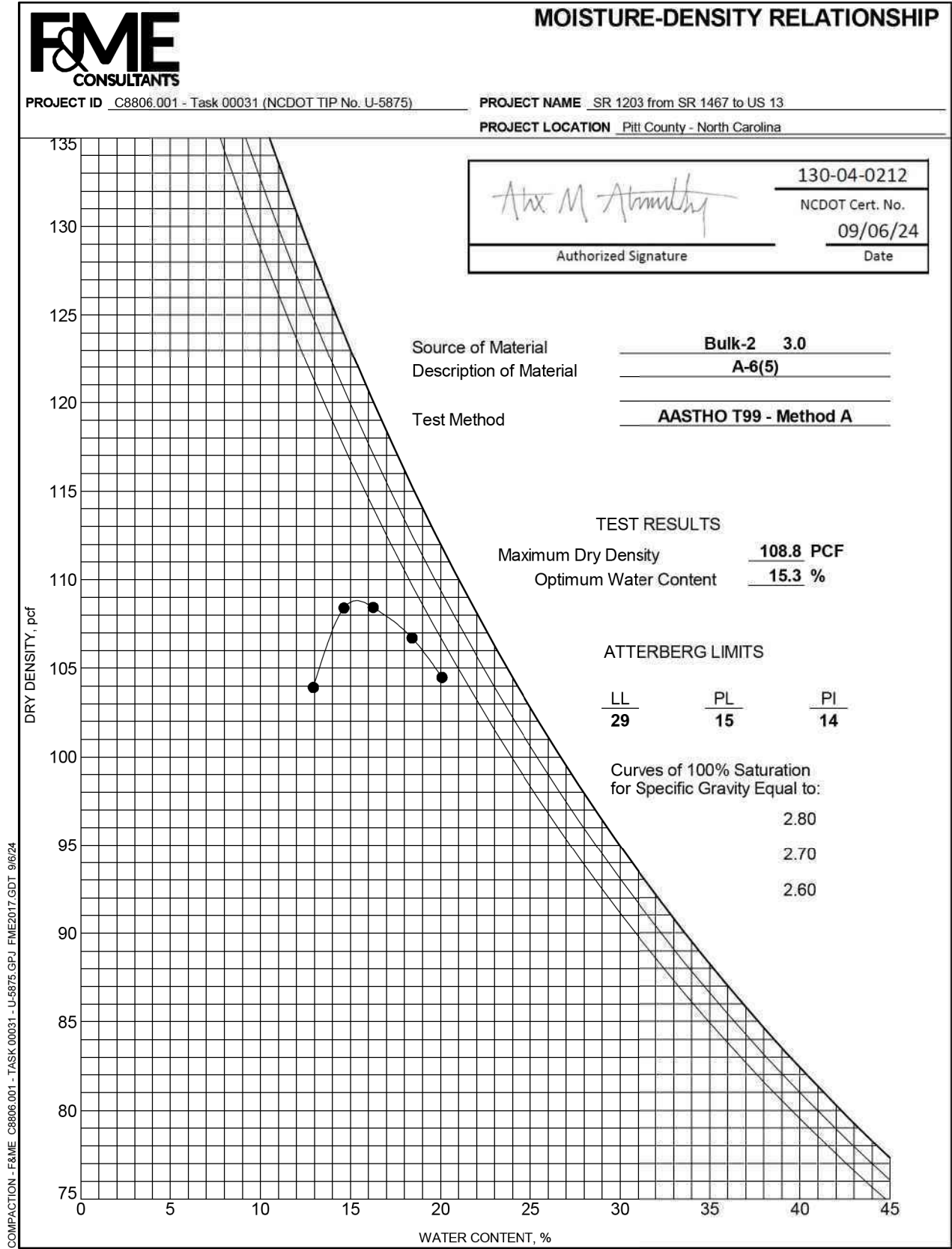


ADDITIONAL COMMENTS

Target %Compaction = 100%

	F&ME Consultants, Inc. 211 Business Park Blvd., Columbia, South Carolina 29203		130-04-0212
			NCDOT Cert. No. 09/06/24
		Authorized Signature	Date

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REV 01/2023

CALIFORNIA BEARING RATIO (CBR)
AASHTO T193

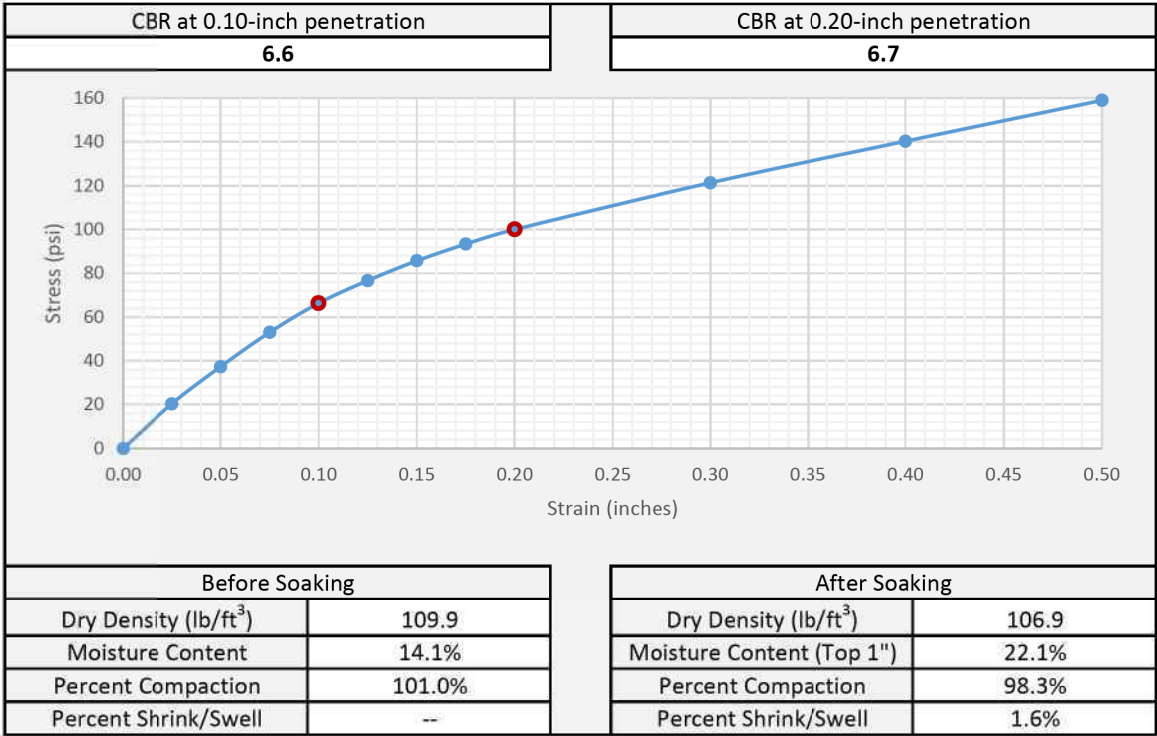
SAMPLE INFORMATION

Project Name	SR 1203 from SR 1467 to US 13		NCDOT STIP NO.	U-5875	
Sample Location	Bulk-2 (Specimen A)		FME Lab ID	24-2733	
Soil Description	A-6(5)		Depth/Elev.	0.0 - 3.0	
Date Sampled	--	Sampled By:	CG2	Date Received	8/16/2024
Date Test Began	8/23/2024	Date Completed	8/27/2024	Tested By	AA/DH

MOLDING CHARACTERISTICS

Method	AASHTO T99 - Method A	% Retained on 3/4" Sieve	0%
Max Dry Density (lb/ft ³)	108.8	Optimum Moisture Content (%)	15.3
Soak Time (hr)	96	Surcharge Weight (lb)	10.0

TESTING RESULTS



ADDITIONAL COMMENTS

Target %Compaction = 100%

	F&ME Consultants, Inc. 211 Business Park Blvd., Columbia, South Carolina 29203		130-04-0212
			NCDOT Cert. No. 09/06/24
			Authorized Signature Date

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REV 01/2023

CALIFORNIA BEARING RATIO (CBR)
AASHTO T193

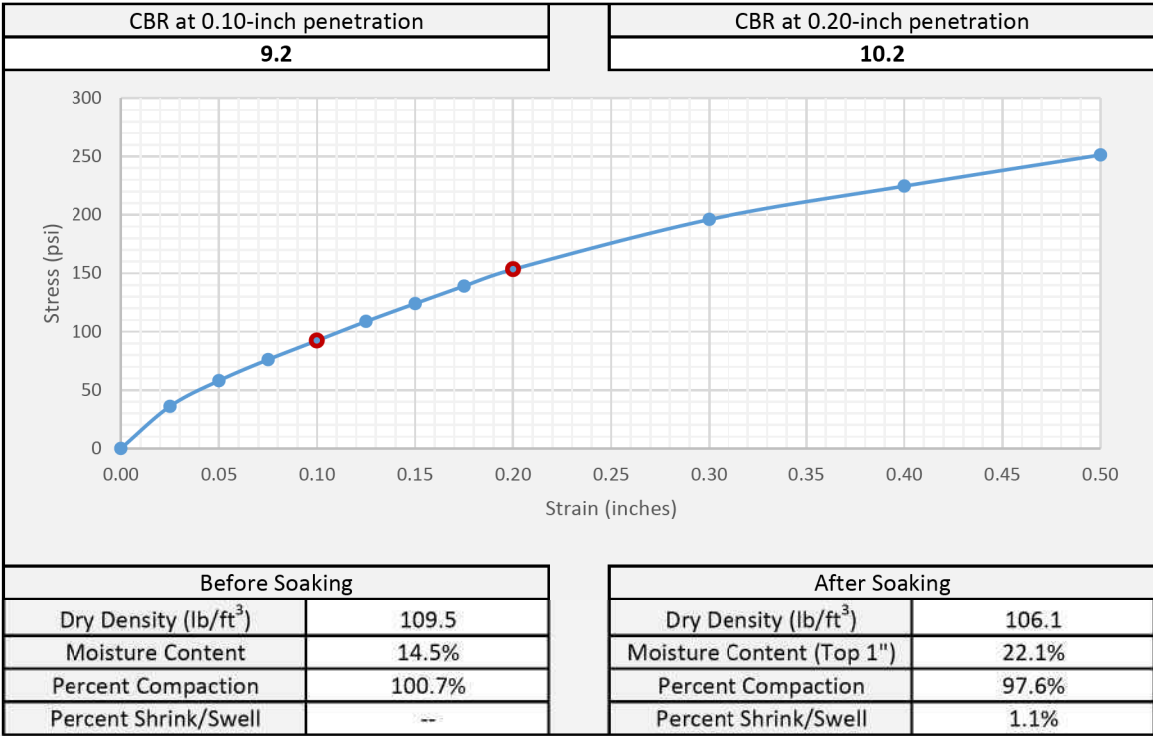
SAMPLE INFORMATION

Project Name	SR 1203 from SR 1467 to US 13		NCDOT STIP NO.	U-5875	
Sample Location	Bulk-2 (Specimen B)		FME Lab ID	24-2733	
Soil Description	A-6(5)		Depth/Elev.	0.0 - 3.0	
Date Sampled	--	Sampled By:	CG2	Date Received	8/16/2024
Date Test Began	8/23/2024	Date Completed	8/27/2024	Tested By	AA/DH

MOLDING CHARACTERISTICS

Method	AASHTO T99 - Method A	% Retained on 3/4" Sieve	0%
Max Dry Density (lb/ft ³)	108.8	Optimum Moisture Content (%)	15.3
Soak Time (hr)	96	Surcharge Weight (lb)	10.0

TESTING RESULTS



ADDITIONAL COMMENTS

Target %Compaction = 100%

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			NCDOT Cert. No. 09/06/24
		Authorized Signature	Date

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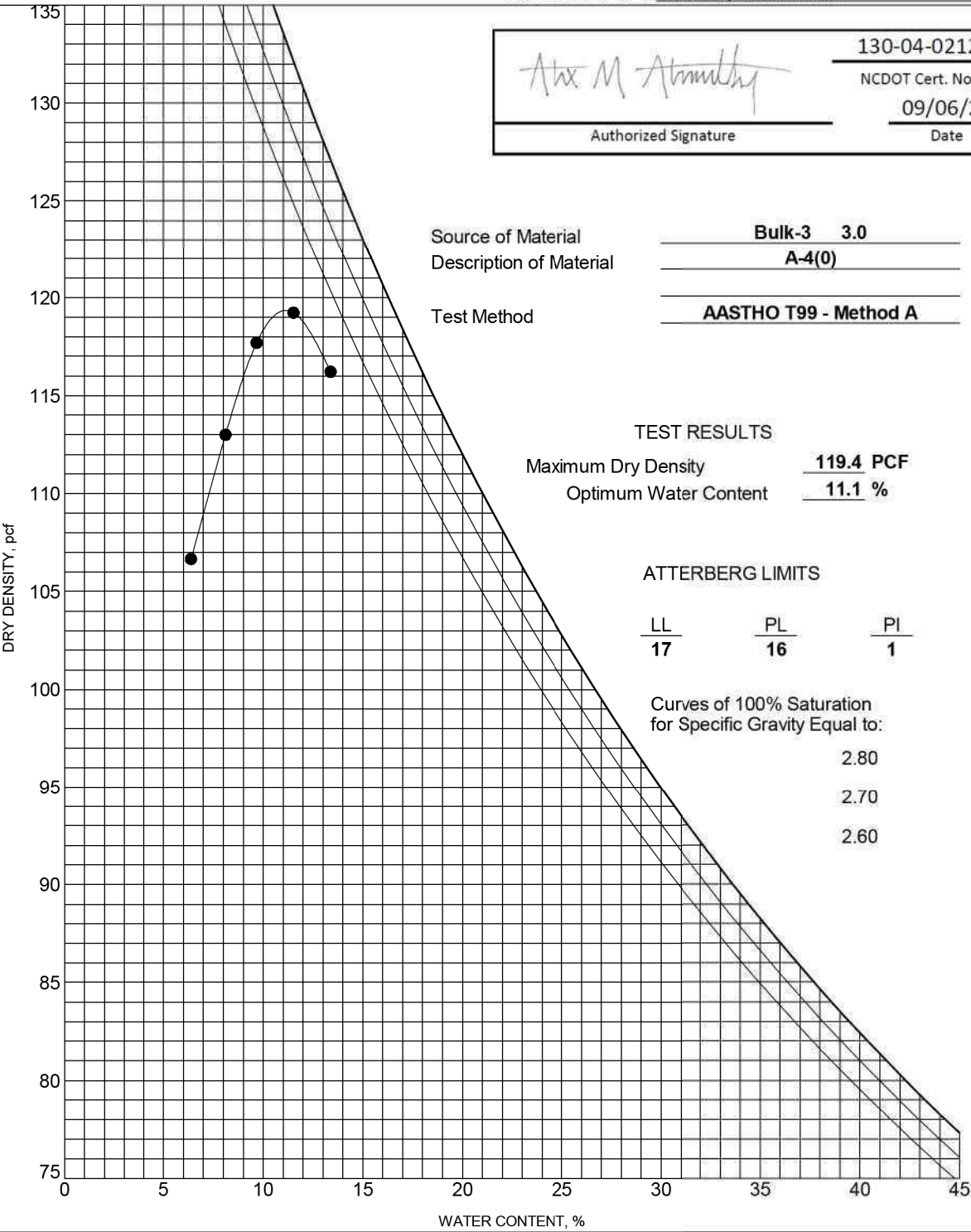


MOISTURE-DENSITY RELATIONSHIP

PROJECT ID C8806.001 - Task 00031 (NCDOT TIP No. U-5875)

PROJECT NAME SR 1203 from SR 1467 to US 13

PROJECT LOCATION Pitt County - North Carolina



Authorized Signature: Alex M. Abernethy
NCDOT Cert. No.: 130-04-0212
Date: 09/06/24

Source of Material: Bulk-3 3.0
Description of Material: A-4(0)
Test Method: AASTHO T99 - Method A

TEST RESULTS
Maximum Dry Density: 119.4 PCF
Optimum Water Content: 11.1 %

ATTERBERG LIMITS
LL: 17, PL: 16, PI: 1

Curves of 100% Saturation for Specific Gravity Equal to:
2.80
2.70
2.60

REV 03/2024

SPECIFIC GRAVITY OF SOILS
(ASTM D854 / AASHTO T100)

Project Name: SR 1203 (Allen Road) from SR 1467 (Stantonsburg Road) to US 13 (Dickinson Ave. Extension)
Project No.: C8806.001 - Task 00031
FME Lab ID: 24-2734
Depth (ft.): 1.0 - 3.0
Description of Soil: A-4(0)
Date Received: 8/16/2024
Method: A, X, B
Tested By: Alex Abernethy
Date Tested: 8/22/2024

Boring No.	Bulk-3			
Sample Depth (ft.)	1.0 - 3.0			
Volume of Flask at 20° C	500 mL			
Method of Air Removal	Boiling			
Mass Flask + Water + Soil (Wb)	767.32			
Test Temperature ° C (Tx)	24.0			
Mass Flask + Water (Wa)	704.71			
Container No.	A			
Mass of Container + Oven Dry Soil	306.73			
Mass of Container	206.73			
Mass of Oven Dry Soil (Wo)	100.00			
Specific Gravity @ Test Temperature Wo/[Wo+(Wa-Wb)]	2.675			
Specific Gravity (SG) K x Specific Gravity @ Test Temperature	2.672			

Remarks:

Authorized Signature: Alex M. Abernethy
NCDOT Cert. No.: 130-04-0212
Date: 9/6/2024



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REV 01/2023

CALIFORNIA BEARING RATIO (CBR)
AASHTO T193

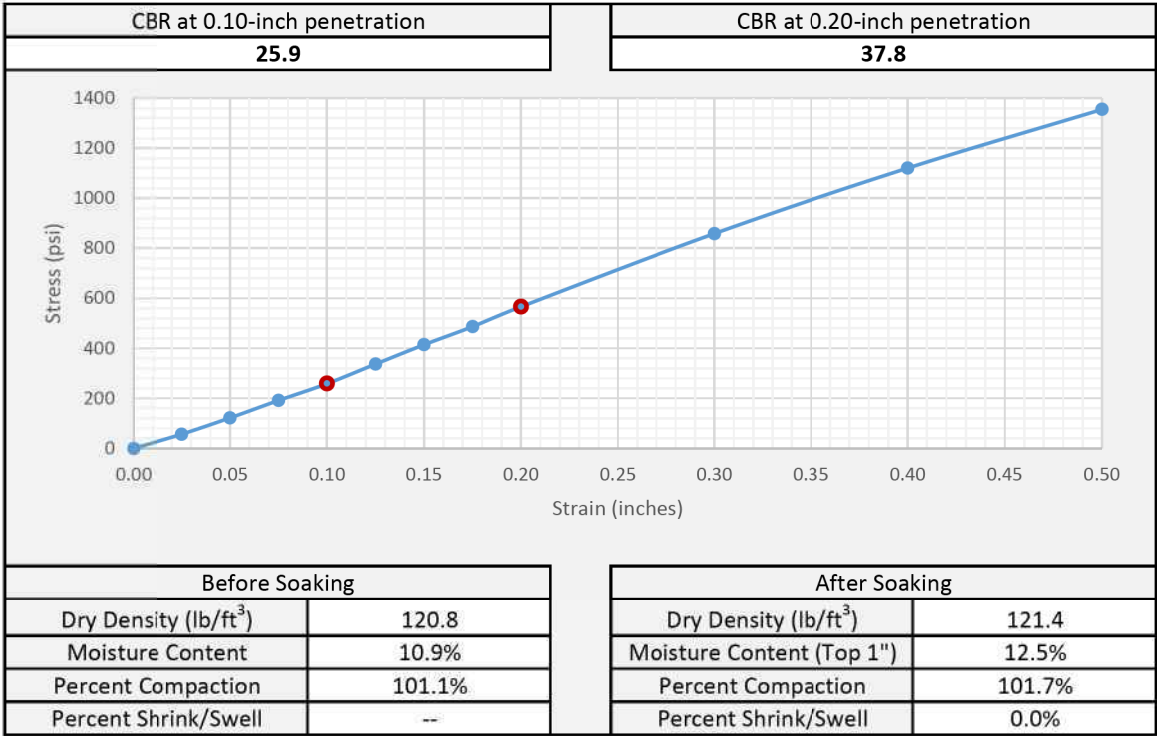
SAMPLE INFORMATION

Project Name	SR 1203 from SR 1467 to US 13		NCDOT STIP NO.	U-5875
Sample Location	Bulk-3 (Specimen A)		FME Lab ID	24-2734
Soil Description	A-4(0)		Depth/Elev.	1.0 - 3.0
Date Sampled	--	Sampled By:	CG2	Date Received 8/16/2024
Date Test Began	8/23/2024	Date Completed	8/27/2024	Tested By AA/DH

MOLDING CHARACTERISTICS

Method	AASHTO T99 - Method A	% Retained on 3/4" Sieve	0%
Max Dry Density (lb/ft ³)	119.4	Optimum Moisture Content (%)	11.1
Soak Time (hr)	96	Surcharge Weight (lb)	10.0

TESTING RESULTS



ADDITIONAL COMMENTS

Target %Compaction = 100%

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REV 01/2023

CALIFORNIA BEARING RATIO (CBR)
AASHTO T193

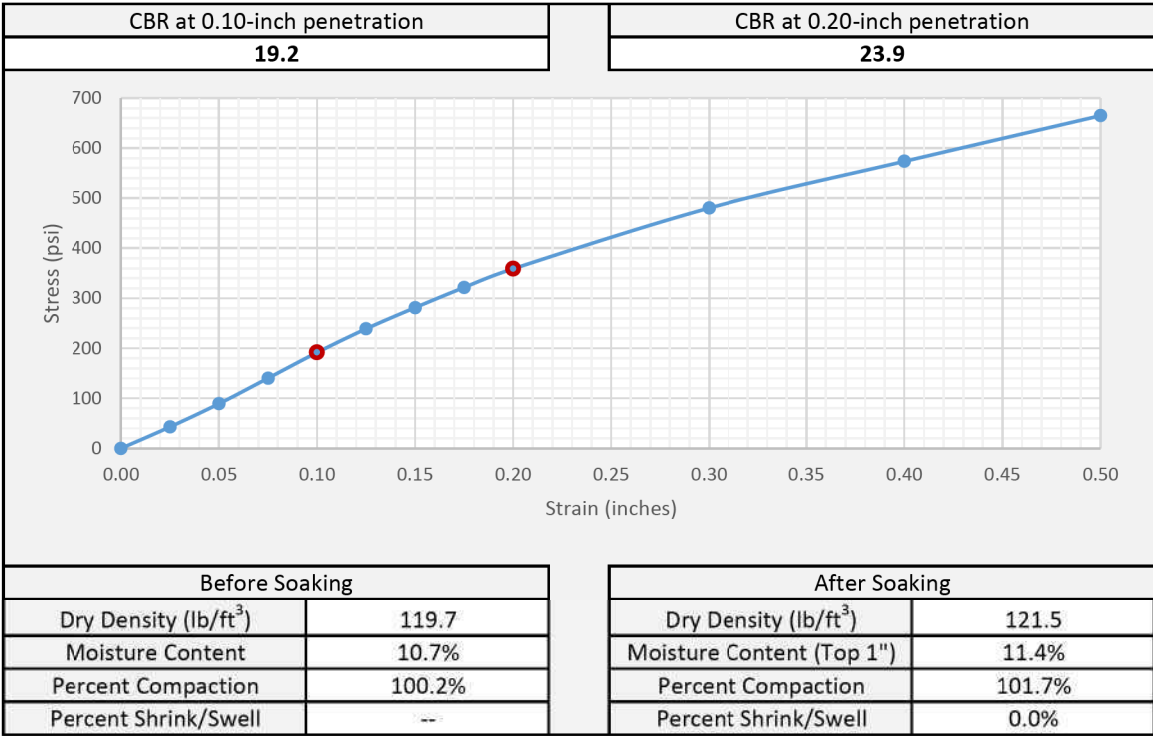
SAMPLE INFORMATION

Project Name	SR 1203 from SR 1467 to US 13		NCDOT STIP NO.	U-5875
Sample Location	Bulk-3 (Specimen B)		FME Lab ID	24-2734
Soil Description	A-4(0)		Depth/Elev.	1.0 - 3.0
Date Sampled	--	Sampled By:	CG2	Date Received 8/16/2024
Date Test Began	8/23/2024	Date Completed	8/27/2024	Tested By AA/DH

MOLDING CHARACTERISTICS

Method	AASHTO T99 - Method A	% Retained on 3/4" Sieve	0%
Max Dry Density (lb/ft ³)	119.4	Optimum Moisture Content (%)	11.1
Soak Time (hr)	96	Surcharge Weight (lb)	10.0

TESTING RESULTS



ADDITIONAL COMMENTS

Target %Compaction = 100%

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PROJECT LOCATION Pitt County - North Carolina

Test Method AASTHO T99 - Method A

Maximum Dry Density	<u>126.0</u> PCF
Optimum Water Content	<u>9.6</u> %

$$\frac{LL}{16} \qquad \frac{PL}{13} \qquad \frac{PI}{3}$$

Curves of 100% Saturation
for Specific Gravity Equal to:

2.80

2.70

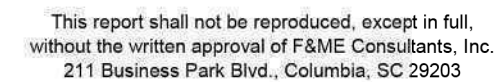
2.60

Project Name:	(Stantonsburg Road) to US 13 (Dickinson Ave. Extension)	Project No.:	C8806.001 - Task 00031
FME Lab ID	24-2735	Depth (ft.):	1.0 - 3.0
Description of Soil:	A-4(0)	Date Received:	8/16/2024
Method:	A X B		
Tested By:	Alex Abernethy	Date Tested:	8/22/2024

Boring No.	Bulk-4			
Sample Depth (ft.)	1.0 - 3.0			
Volume of Flask at 20° C	500 mL			
Method of Air Removal	Boiling			
Mass Flask + Water + Soil (Wb)	759.92			
Test Temperature ° C (Tx)	24.0			
Mass Flask + Water (Wa)	697.26			
Container No.	J			
Mass of Container + Oven Dry Soil	299.29			
Mass of Container	199.29			
Mass of Oven Dry Soil (Wo)	100.00			
Specific Gravity @ Test Temperature Wo/[Wo+(Wa-Wb)]	2.678			
Specific Gravity (SG) K x Specific Gravity @ Test Temperature	2.676			

Remarks:

130-04-0212
NCDOT Cert. No
9/6/2024
Date



REV 01/2023

CALIFORNIA BEARING RATIO (CBR)
AASHTO T193

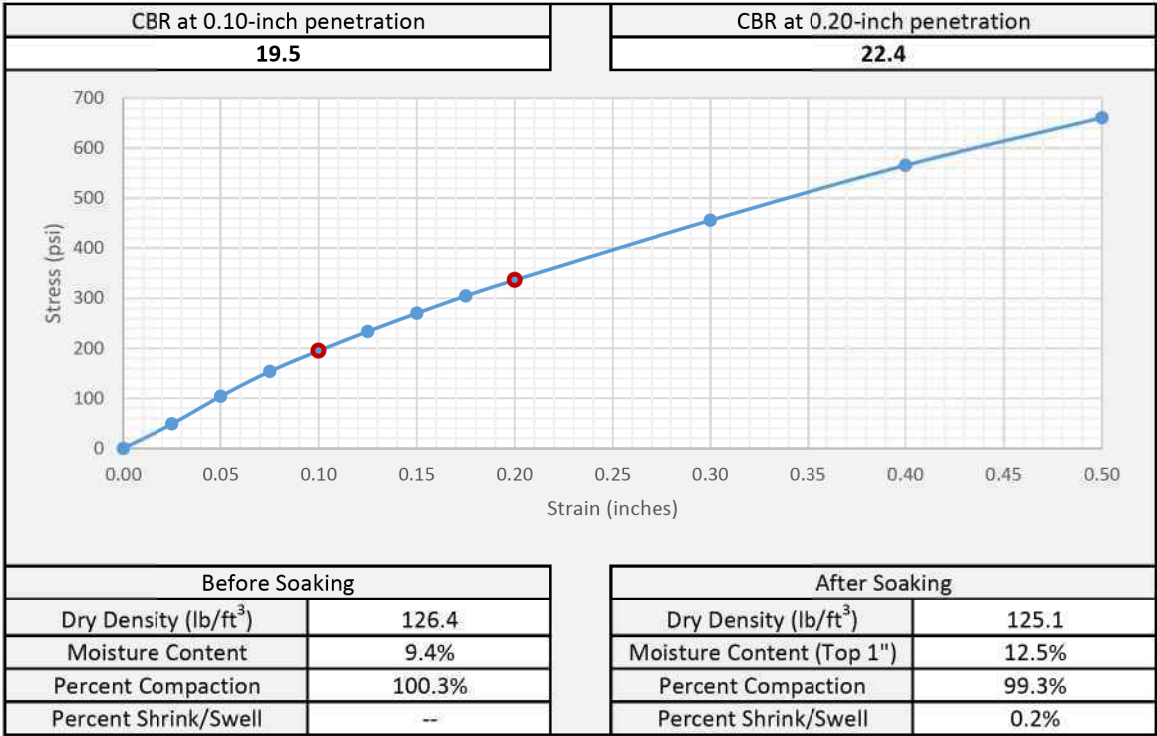
SAMPLE INFORMATION

Project Name	SR 1203 from SR 1467 to US 13		NCDOT STIP NO.	U-5875	
Sample Location	Bulk-4 (Specimen A)		FME Lab ID	24-2735	
Soil Description	A-4(0)		Depth/Elev.	1.0 - 3.0	
Date Sampled	--	Sampled By:	CG2	Date Received	8/16/2024
Date Test Began	8/23/2024	Date Completed	8/27/2024	Tested By	AA/DH

MOLDING CHARACTERISTICS

Method	AASHTO T99 - Method A	% Retained on 3/4" Sieve	0%
Max Dry Density (lb/ft ³)	126.0	Optimum Moisture Content (%)	9.6
Soak Time (hr)	96	Surcharge Weight (lb)	10.0

TESTING RESULTS



ADDITIONAL COMMENTS

Target %Compaction = 100%

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CALIFORNIA BEARING RATIO (CBR)
AASHTO T193

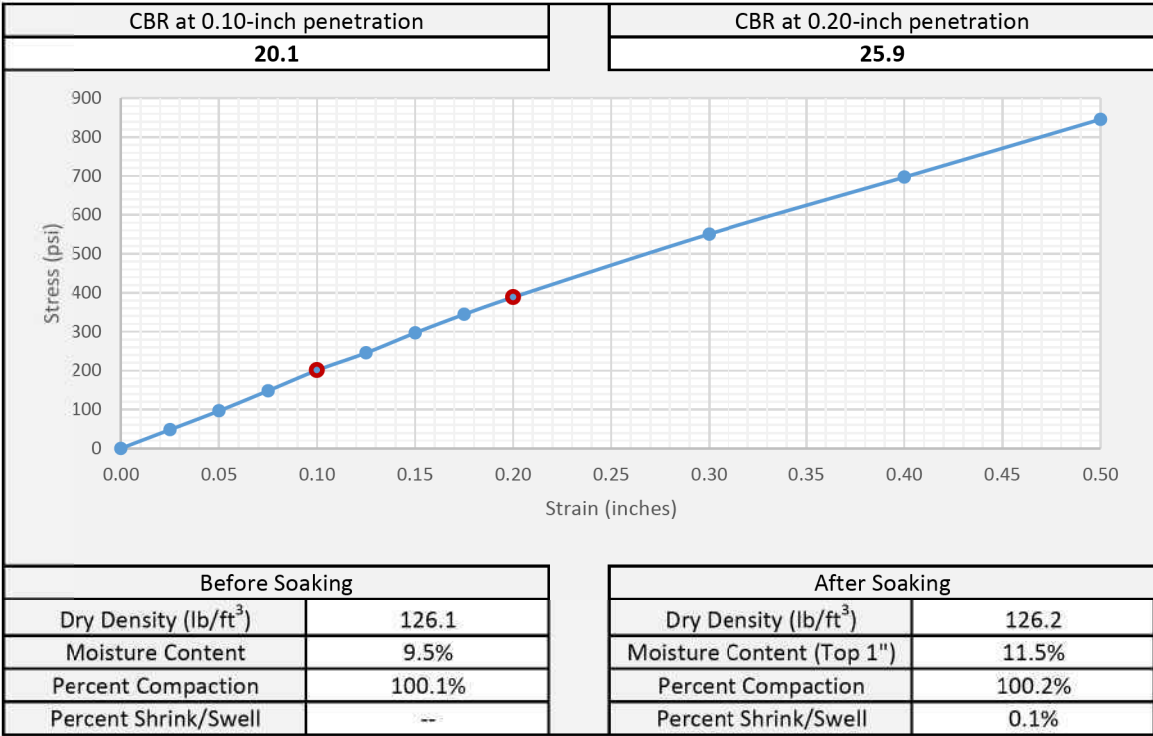
SAMPLE INFORMATION

Project Name	SR 1203 from SR 1467 to US 13		NCDOT STIP NO.	U-5875	
Sample Location	Bulk-4 (Specimen B)		FME Lab ID	24-2735	
Soil Description	A-4(0)		Depth/Elev.	1.0 - 3.0	
Date Sampled	--	Sampled By:	CG2	Date Received	8/16/2024
Date Test Began	8/23/2024	Date Completed	8/27/2024	Tested By	AA/DH

MOLDING CHARACTERISTICS

Method	AASHTO T99 - Method A	% Retained on 3/4" Sieve	0%
Max Dry Density (lb/ft ³)	126.0	Optimum Moisture Content (%)	9.6
Soak Time (hr)	96	Surcharge Weight (lb)	10.0

TESTING RESULTS



ADDITIONAL COMMENTS

Target %Compaction = 100%

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