

REFERENCE: B-5989

PROJECT: 47845

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

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-5989 47845	1	7

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SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	LEGEND (SOIL & ROCK)
3	SITE PLAN
4	PROFILE
5-7	BORELOGS

**STRUCTURE**  
**SUBSURFACE INVESTIGATION**

COUNTY MADISON  
PROJECT DESCRIPTION BRIDGE NO. 7I ON SR 1395  
OVER BIG LAUREL CREEK  
SITE DESCRIPTION RETAINING WALL  
STA 16+88 TO 18+25 RT

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 1919 707-6850. THE SUBSURFACE PLANS AND REPORTS, FIELD BORING LOGS, ROCK CORES AND SOIL TEST DATA ARE NOT PART OF THE CONTRACT.

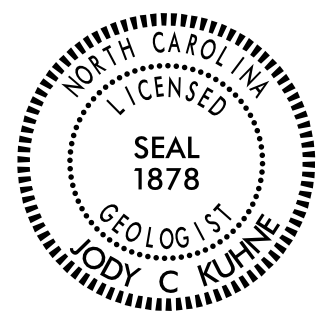
GENERAL SOIL AND ROCK STRATA DESCRIPTIONS AND INDICATED BOUNDARIES ARE BASED ON A GEOTECHNICAL INTERPRETATION OF ALL AVAILABLE SUBSURFACE DATA AND MAY NOT NECESSARILY REFLECT THE ACTUAL SUBSURFACE CONDITIONS BETWEEN BORINGS OR BETWEEN SAMPLED STRATA WITHIN THE BOREHOLE. THE LABORATORY SAMPLE DATA AND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

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

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

PERSONNEL  
CD JOHNSON  
DO CHEEK  
CJ COFFEY

INVESTIGATED BY J KUHNE  
DRAWN BY J KUHNE  
CHECKED BY \_\_\_\_\_  
SUBMITTED BY J KUHNE  
DATE \_\_\_\_\_

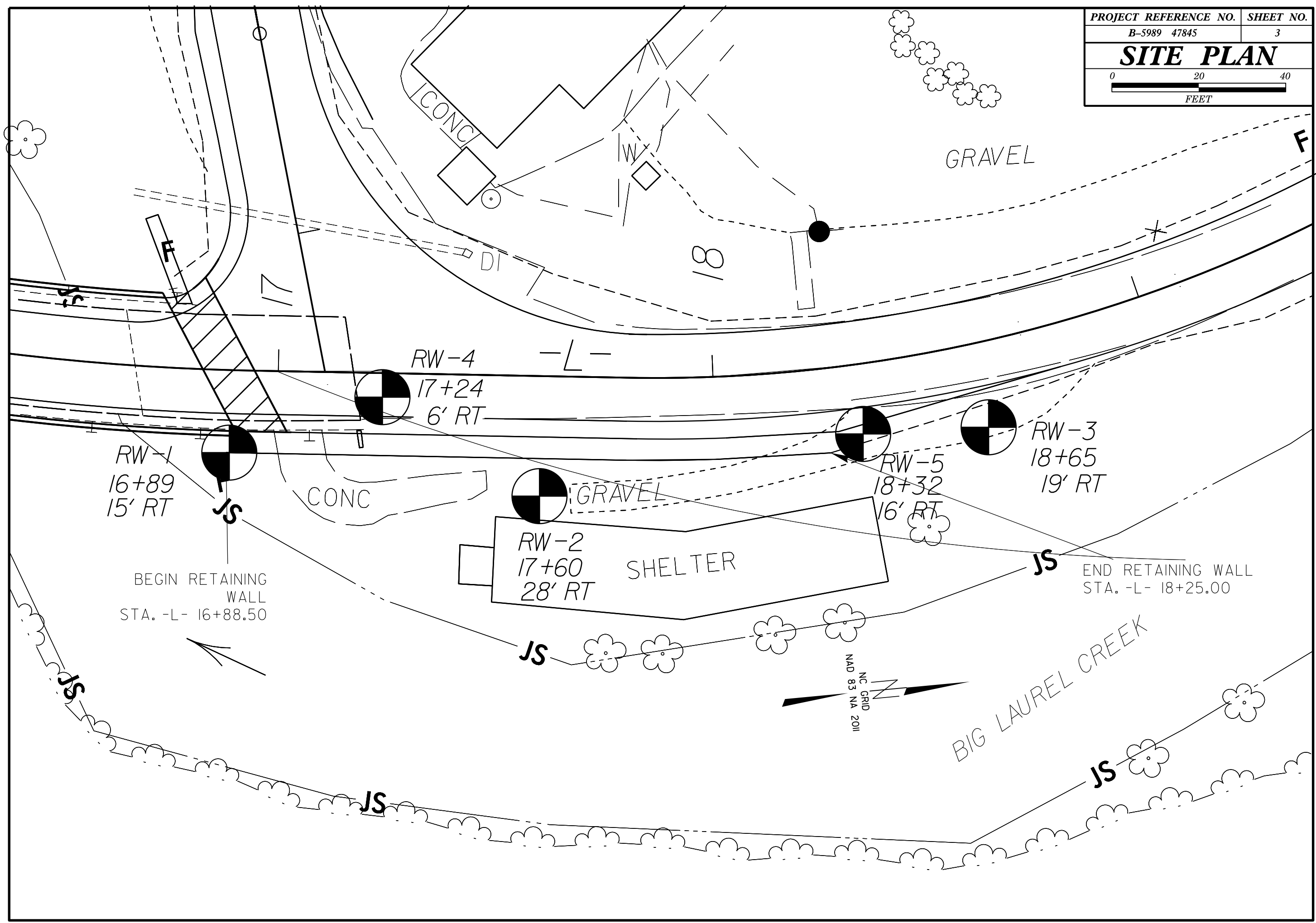


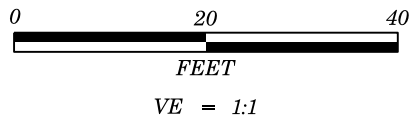
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Jody C. Kuhne 5/8/2020  
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SIGNATURE DATE

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		GRADATION		ROCK DESCRIPTION		TERMS AND DEFINITIONS																																																													
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		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.		HARD ROCK IS NON-COASTAL PLAIN MATERIAL THAT WOULD YIELD SPT REFUSAL IF TESTED, AN INFERRED ROCK LINE INDICATES THE LEVEL AT WHICH NON-COASTAL PLAIN MATERIAL WOULD YIELD SPT REFUSAL. SPT REFUSAL IS PENETRATION BY A SPLIT SPOON SAMPLER EQUAL TO OR LESS THAN 0.1 FOOT PER 60 BLOWS IN NON-COASTAL PLAIN MATERIAL. THE TRANSITION BETWEEN SOIL AND ROCK IS OFTEN REPRESENTED BY A ZONE OF WEATHERED ROCK. ROCK MATERIALS ARE TYPICALLY DIVIDED AS FOLLOWS:		ALLUVIUM (ALLUV.) - SOILS THAT HAVE BEEN TRANSPORTED BY WATER. AQUIFER - A WATER BEARING FORMATION OR STRATA. ARENACEOUS - APPLIED TO ROCKS THAT HAVE BEEN DERIVED FROM SAND OR THAT CONTAIN SAND. ARGILLACEOUS - APPLIED TO ALL ROCKS OR SUBSTANCES COMPOSED OF CLAY MINERALS, OR HAVING A NOTABLE PROPORTION OF CLAY IN THEIR COMPOSITION, SUCH AS SHALE, SLATE, ETC. ARTESIAN - GROUND WATER THAT IS UNDER SUFFICIENT PRESSURE TO RISE ABOVE THE LEVEL AT WHICH IT IS ENCOUNTERED, BUT WHICH DOES NOT NECESSARILY RISE TO OR ABOVE THE GROUND SURFACE. CALCAREOUS (CALC.) - SOILS THAT CONTAIN APPRECIABLE AMOUNTS OF CALCIUM CARBONATE. COLLUVIUM - ROCK FRAGMENTS MIXED WITH SOIL DEPOSITED BY GRAVITY ON SLOPE OR AT BOTTOM OF SLOPE. CORE RECOVERY (REC.) - TOTAL LENGTH OF ALL MATERIAL RECOVERED IN THE CORE BARREL DIVIDED BY TOTAL LENGTH OF CORE RUN AND EXPRESSED AS A PERCENTAGE. DIKE - A TABULAR BODY OF IGNEOUS ROCK THAT CUTS ACROSS THE STRUCTURE OF ADJACENT ROCKS OR CUTS MASSIVE ROCK. DIP - THE ANGLE AT WHICH A STRATUM OR ANY PLANAR FEATURE IS INCLINED FROM THE HORIZONTAL. DIP DIRECTION (DIP AZIMUTH) - THE DIRECTION OR BEARING OF THE HORIZONTAL TRACE OF THE LINE OF DIP, MEASURED CLOCKWISE FROM NORTH. FAULT - A FRACTURE OR FRACTURE ZONE ALONG WHICH THERE HAS BEEN DISPLACEMENT OF THE SIDES RELATIVE TO ONE ANOTHER PARALLEL TO THE FRACTURE. FISSILE - A PROPERTY OF SPLITTING ALONG CLOSELY SPACED PARALLEL PLANES. FLOAT - ROCK FRAGMENTS ON SURFACE NEAR THEIR ORIGINAL POSITION AND DISLOGGED FROM PARENT MATERIAL. FLOOD PLAIN (FP) - LAND BORDERING A STREAM, BUILT OF SEDIMENTS DEPOSITED BY THE STREAM. FORMATION (FM) - A MAPPABLE GEOLOGIC UNIT THAT CAN BE RECOGNIZED AND TRACED IN THE FIELD. JOINT - FRACTURE IN ROCK ALONG WHICH NO APPRECIABLE MOVEMENT HAS OCCURRED. LEDGE - A SHELF-LIKE RIDGE OR PROJECTION OF ROCK WHOSE THICKNESS IS SMALL COMPARED TO ITS LATERAL EXTENT. LENS - A BODY OF SOIL OR ROCK THAT THINS OUT IN ONE OR MORE DIRECTIONS. MOTTLED (MOT.) - IRREGULARLY MARKED WITH SPOTS OF DIFFERENT COLORS. MOTTLING IN SOILS USUALLY INDICATES POOR AERATION AND LACK OF GOOD DRAINAGE. PERCHED WATER - WATER MAINTAINED ABOVE THE NORMAL GROUND WATER LEVEL BY THE PRESENCE OF AN INTERVENING IMPERVIOUS STRATUM. RESIDUAL (RES.) SOIL - SOIL FORMED IN PLACE BY THE WEATHERING OF ROCK. ROCK QUALITY DESIGNATION (RQD) - A MEASURE OF ROCK QUALITY DESCRIBED BY TOTAL LENGTH OF ROCK SEGMENTS EQUAL TO OR GREATER THAN 4 INCHES DIVIDED BY THE TOTAL LENGTH OF CORE RUN AND EXPRESSED AS A PERCENTAGE. SAPROLITE (SAP.) - RESIDUAL SOIL THAT RETAINS THE RELIC STRUCTURE OR FABRIC OF THE PARENT ROCK. SILL - AN INTRUSIVE BODY OF IGNEOUS ROCK OF APPROXIMATELY UNIFORM THICKNESS AND RELATIVELY THIN COMPARED WITH ITS LATERAL EXTENT, THAT HAS BEEN EMPLACED PARALLEL TO THE BEDDING OR SCHISTOSITY OF THE INTRUDED ROCKS. SLICKENSIDE - POLISHED AND STRIATED SURFACE THAT RESULTS FROM FRICTION ALONG A FAULT OR SLIP PLANE. STANDARD PENETRATION TEST (PENETRATION RESISTANCE) (SPT) - NUMBER OF BLOWS (N OR BPF) OF A 140 LB. HAMMER FALLING 30 INCHES REQUIRED TO PRODUCE A PENETRATION OF 1 FOOT INTO SOIL WITH A 2 INCH OUTSIDE DIAMETER SPLIT SPOON SAMPLER. SPT REFUSAL IS PENETRATION EQUAL TO OR LESS THAN 0.1 FOOT PER 60 BLOWS. STRATA CORE RECOVERY (SREC.) - TOTAL LENGTH OF STRATA MATERIAL RECOVERED DIVIDED BY TOTAL LENGTH OF STRATUM AND EXPRESSED AS A PERCENTAGE. STRATA ROCK QUALITY DESIGNATION (SROD) - A MEASURE OF ROCK QUALITY DESCRIBED BY TOTAL LENGTH OF ROCK SEGMENTS WITHIN A STRATUM EQUAL TO OR GREATER THAN 4 INCHES DIVIDED BY THE TOTAL LENGTH OF STRATA AND EXPRESSED AS A PERCENTAGE. TOPSOIL (TS.) - SURFACE SOILS USUALLY CONTAINING ORGANIC MATTER.																																																													
SOIL LEGEND AND AASHTO CLASSIFICATION		MINERALOGICAL COMPOSITION		WEATHERING																																																															
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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.		FOR SEDIMENTARY ROCKS, INDURATION IS THE HARDENING OF MATERIAL BY CEMENTING, HEAT, PRESSURE, ETC. FRIABLE - RUBBING WITH FINGER FREES NUMEROUS GRAINS; GENTLE BLOW BY HAMMER DISINTEGRATES SAMPLE. MODERATELY INDURATED - GRAINS CAN BE SEPARATED FROM SAMPLE WITH STEEL PROBE; BREAKS EASILY WHEN HIT WITH HAMMER. INDURATED - GRAINS ARE DIFFICULT TO SEPARATE WITH STEEL PROBE; DIFFICULT TO BREAK WITH HAMMER. EXTREMELY INDURATED - SHARP HAMMER BLOWS REQUIRED TO BREAK SAMPLE; SAMPLE BREAKS ACROSS GRAINS.																																																																	
		BENCH MARK: *1 N 806107 E 919773		ELEVATION: 2049.58 FEET		NOTES:																																																													





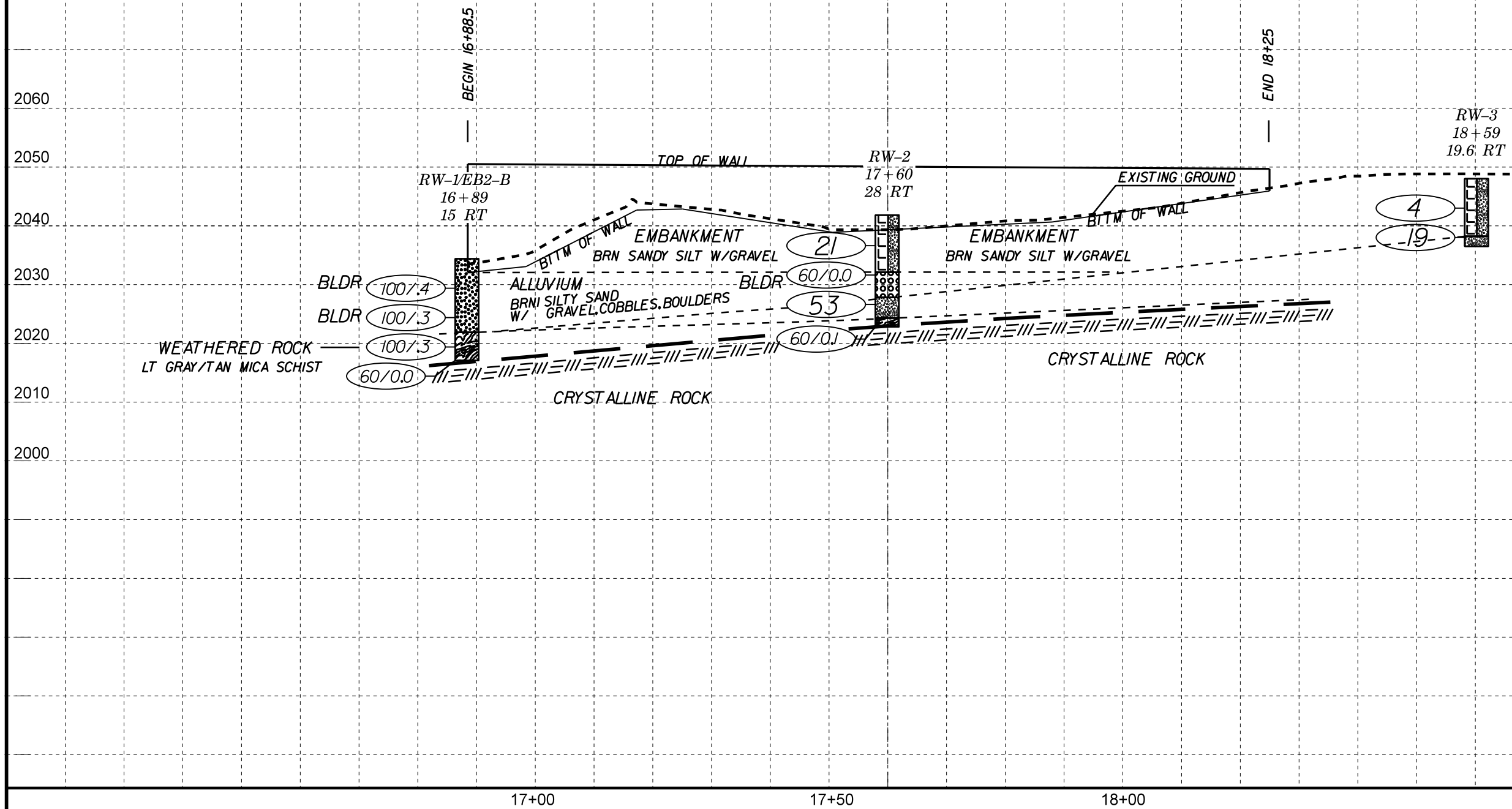
PROJECT REFERENCE NO. SHEET NO.

B-5989 47845

4

PROFILE ALONG WALL  
STA 16+88.5 TO 18+25 RT

NOTE: EMBK AND ALLUVIAL MATERIALS HAVE HIGH PERCENTAGE OF COBBLES AND BOULDERS. BULK CHARACTERISTICS ARE GENERALLY LOOSE TO DENSE, SPT = 4 - 15



# GEOTECHNICAL BORING REPORT

## BORE LOG

WBS 47845.1.1		TIP B-5989		COUNTY MADISON		GEOLOGIST Johnson, C. D.										
SITE DESCRIPTION BRIDGE NO. 71 ON SR 1395 OVER BIG LAUREL CREEK, RET. WALL							GROUND WTR (ft)									
BORING NO. RW-1/EB2-B2		STATION 16+89		OFFSET 15 ft RT		ALIGNMENT -L-										
COLLAR ELEV. 2,034.4 ft		TOTAL DEPTH 17.3 ft		NORTHING 806,224		EASTING 919,837										
DRILL RIGHAMMER EFF./DATE AFC6744 CME - 45C 92%/07/31/2017			DRILL METHOD NW Casing w/ SPT			HAMMER TYPE Automatic										
DRILLER Cheek, D. O.		START DATE 08/13/19		COMP. DATE 08/13/19		SURFACE WATER DEPTH N/A										
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	DEPTH (ft)		
			0.5ft	0.5ft	0.5ft	0	25	50	75	100						
2035														2,034.4	0.0	GROUND SURFACE
2030	2,029.4	5.0											M			ALLUVIAL TAN/BRN SILTY SAND W/ PEBBLES, COBBLES AND BOULDERS
2025	2,024.4	10.0											M			
2020	2,019.4	15.0														WEATHERED ROCK LT GRAY/TAN SILTY SAND
	2,017.1	17.3														ROCK
Boring Terminated WITH STANDARD PENETRATION TEST REFUSAL at Elevation 2,017.1 ft ON CRYSTALLINE ROCK, SCHIST																

WBS 47845.1.1		TIP B-5989		COUNTY MADISON		GEOLOGIST Johnson, C. D.										
SITE DESCRIPTION BRIDGE NO. 71 ON SR 1395 OVER BIG LAUREL CREEK, RET. WALL							GROUND WTR (ft)									
BORING NO. RW-2		STATION 17+60		OFFSET 28 ft RT		ALIGNMENT -L-										
COLLAR ELEV. 2,041.8 ft		TOTAL DEPTH 19.0 ft		NORTHING 806,294		EASTING 919,854										
DRILL RIGHAMMER EFF./DATE AFC6744 CME - 45C 92%/07/31/2017			DRILL METHOD NW Casing w/ SPT			HAMMER TYPE Automatic										
DRILLER Cheek, D. O.		START DATE 08/14/19		COMP. DATE 08/14/19		SURFACE WATER DEPTH N/A										
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	DEPTH (ft)		
			0.5ft	0.5ft	0.5ft	0	25	50	75	100						
2045														2,041.8	0.0	GROUND SURFACE
2040																ROADWAY EMBANKMENT BRN SANDY SILT W/ GRAVEL AND MICA
2035	2,036.6	5.2	8	10	11											
2030	2,031.6	10.2														ALLUVIAL SILTY SAND W/ GRAVEL, COBBLES, BOULDERS
2025	2,026.6	15.2	14	21	32											SAPROLITE BRN/WHT SANDY SILT W/ MICA AND MnO
	2,022.8	19.0														WEATHERED ROCK WEATHERED MICA SCHIST
Boring Terminated WITH STANDARD PENETRATION TEST REFUSAL at Elevation 2,022.8 ft ON CRYSTALLINE ROCK, SCHIST																

# GEOTECHNICAL BORING REPORT

## BORE LOG

WBS 47845.1.1		TIP B-5989		COUNTY MADISON		GEOLOGIST Johnson, C. D.										
SITE DESCRIPTION BRIDGE NO. 71 ON SR 1395 OVER BIG LAUREL CREEK, RET. WALL							GROUND WTR (ft)									
BORING NO. RW-3		STATION 18+65		OFFSET 19 ft RT		ALIGNMENT -L-										
COLLAR ELEV. 2,049.2 ft		TOTAL DEPTH 11.5 ft		NORTHING 806,396		EASTING 919,849										
DRILL RIGHAMMER EFF./DATE AFC6744 CME - 45C 92%/07/31/2017		DRILL METHOD NV Casing w/ SPT		HAMMER TYPE Automatic												
DRILLER Cheek, D. O.		START DATE 08/14/19		COMP. DATE 08/14/19		SURFACE WATER DEPTH N/A										
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	DEPTH (ft)		
			0.5ft	0.5ft	0.5ft	0	25	50	75	100						
2050														2,049.2	0.0	GROUND SURFACE
2045	2,044.2	5.0	3	2	2							M				ROADWAY EMBANKMENT BRN SANDY SILT W/ GRAVEL, COBBLES, BOULDERS, SOME MICA
2040	2,039.2	10.0	6	10	9							M				SAPROLITE BRN SANDY SILT W/ MICA AND MnO Boring Terminated with Casing Advancer Refusal at Elevation 2,037.7 ft IN SAPROLITE

WBS 47845.1.1		TIP B-5989		COUNTY MADISON		GEOLOGIST Johnson, C. D.										
SITE DESCRIPTION BRIDGE NO. 71 ON SR 1395 OVER BIG LAUREL CREEK, RET. WALL							GROUND WTR (ft)									
BORING NO. RW-4		STATION 17+24		OFFSET 6 ft RT		ALIGNMENT -L-										
COLLAR ELEV. 2,048.5 ft		TOTAL DEPTH 40.4 ft		NORTHING 806,261		EASTING 919,829										
DRILL RIGHAMMER EFF./DATE AFC6744 CME - 45C 92%/07/31/2017		DRILL METHOD H.S. Augers		HAMMER TYPE Automatic												
DRILLER Cheek, D. O.		START DATE 03/27/20		COMP. DATE 03/27/20		SURFACE WATER DEPTH N/A										
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	DEPTH (ft)		
			0.5ft	0.5ft	0.5ft	0	25	50	75	100						
2050														2,048.5	0.0	GROUND SURFACE
2045	2,044.6	3.9	3	1	2							M				ROADWAY EMBANKMENT BRN CLAYEY, SANDY SILT W/ GRAVEL
2040	2,039.6	8.9	1	2	2							M				
2035	2,034.6	13.9	3	4	6							M				ALLUVIAL BRN CLAYEY, SAND SILTY WITH PEBBLES
2030	2,029.6	18.9	1	3	5							W				SAPROLITE ORANGE/BRN SILT W/ SOME MICA, MnO. WEATHERED ROCK SEAMS
2025	2,025.9	22.6	12	14	9							M				
2020	2,024.6	23.9	1	2	2							W				
2015	2,019.6	28.9	WOR	WOR	2							W				
2010	2,014.6	33.9	100/4									W				
2005	2,009.6	38.9	9	18	12							W				
														2,008.1	40.4	Boring Terminated at Elevation 2,008.1 ft IN SAPROLITE

NCDOT BORE DOUBLE B5989\_BORELOGS.GPJ NC\_DOT.GDT 5/8/20

# GEOTECHNICAL BORING REPORT

## BORE LOG

WBS 47845.1.1		TIP B-5989		COUNTY MADISON		GEOLOGIST Johnson, C. D.										
SITE DESCRIPTION BRIDGE NO. 71 ON SR 1395 OVER BIG LAUREL CREEK, RET. WALL							GROUND WTR (ft)									
BORING NO. RW-5		STATION 18+32		OFFSET 16 ft RT		ALIGNMENT -L-										
COLLAR ELEV. 2,047.0 ft		TOTAL DEPTH 34.8 ft		NORTHING 806,369		EASTING 919,847										
DRILL RIGHAMMER EFF./DATE AFC6744 CME - 45C 92%/07/31/2017				DRILL METHOD H.S. Augers		HAMMER TYPE Automatic										
DRILLER Cheek, D. O.		START DATE 03/27/20		COMP. DATE 03/27/20		SURFACE WATER DEPTH N/A										
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION			
			0.5ft	0.5ft	0.5ft	0	25	50	75	100			ELEV. (ft)	DEPTH (ft)		
2050														2,047.0	0.0	GROUND SURFACE
2045	2,043.7	3.3	9	12	14							M		2,041.2	5.8	ROADWAY EMBANKMENT BRN CLAYEY, SANDY SILT W/ GRAVEL
2040	2,038.7	8.3	2	2	3							M		2,037.4	9.6	ROADWAY EMBANKMENT BRN SANDY SILT W/ PEBBLES
2035	2,033.7	13.3	9	11	10							M				SAPROLITE BRN/BLK CLAYEY SANDY SILT W/ MnO AND THIN WEATHERED ROCK SEAMS
2030	2,028.7	18.3	WOH	1	5							W				
2025	2,023.7	23.3		3	5	6						M				
2020	2,018.7	28.3		2	5	4						M				
2015	2,013.7	33.3	14	3	2							W		2,012.2	34.8	Boring Terminated at Elevation 2,012.2 ft IN SAPROLITE

NCDOT BORE DOUBLE B5989\_BORELOGS.GPJ NC\_DOT.GDT 5/8/20