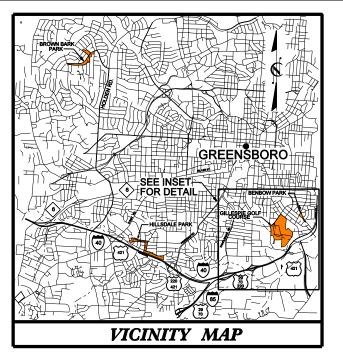
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STATE OF NORTH CAROLINA WETLANDS RESTORATION PROGRAM

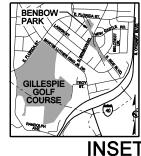
### **GUILFORD COUNTY**

LOCATION: GILLESPIE GOLF COURSE MILE RUN CREEK GREENSBORO, NORTH CAROLINA

TYPE OF WORK: AS-BUILT PLANS







#### INDEX OF SHEETS:

1 TITLE SHEET

1-A SYMBOLOGY - BUCK ENGINEERING

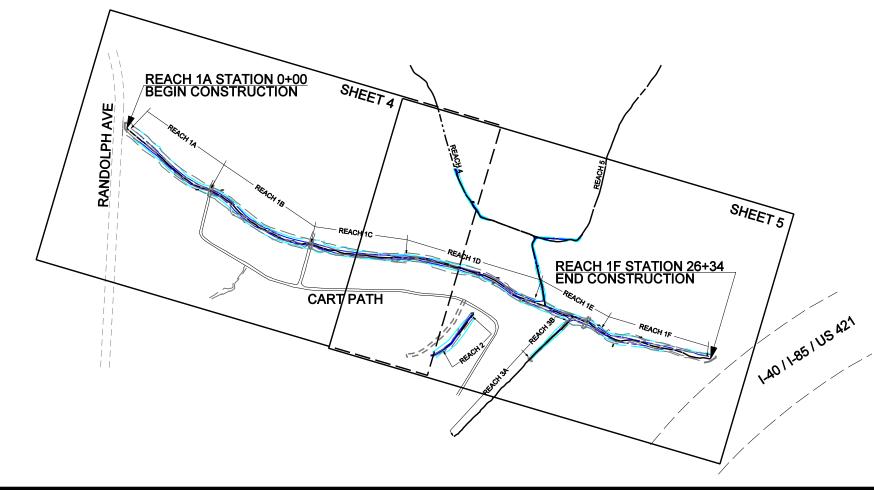
1-B SYMBOLOGY - NCDOT

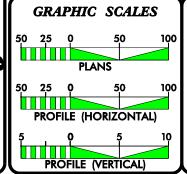
2 TO 2-A TYPICAL POOL AND

RIFFLE CROSS SECTIONS,

STRUCTURE DETAILS,

4-5 PLAN VIEW OF AS-BUILT





# DESIGN DATA REACH 1 DESIGN STREAM TYPE E5 DESIGN LENGTH 3427

BANKFULL XSEC AREA(FT<sup>2</sup>) 74
BANKFULL WIDTH(FT) 27
BANKFULL DEPTH(FT) 2.7
W/D RATIO(FT) 10

# PROJECT LENGTH EXISTING STREAM LENGTH = 3427 FEET AS-BUILT STREAM LENGTH = 3427 FEET CONTACT: JEFF JUREK

LETTING DATE:

Prepared in the Office of:

8000 REGENCY PARKWAY
SUITE 200
CARY, NC 27511
919-463-5488

WILL HARMAN, PG
PROJECT MANAGER

PROJECT MANAGER

ANDREW BICK, PE

PROJECT ENGINEER

THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY:

WILLIAM KENT L-3708 DECEMBER 20, 2005

THIS MEDIA SHALL NOT BE CONSIDERED A CERTIFIED DOCUMENT

SIGNATURE:

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Root Wad Step Pool Cross Vane	

JECT REFERENCE NO. SHEET NO. 000532601 1-B

\*S.U.E = SUBSURFACE UTILITY ENGINEER

# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

## CONVENTIONAL SYMBOLS

#### ROADS & RELATED ITEMS Edge of Pavement \_\_\_\_ \_\_ \_\_ \_\_ Curb ..... \_\_ \_\_ \_\_ \_\_ Prop. Slope Stakes Cut Prop. Woven Wire Fence Prop. Chain Link Fence Prop. Barbed Wire Fence Prop. Wheelchair Ramp Curb Cut for Future Wheelchair Ramp ..... Exist. Guardrail Prop. Guardrail Equality Symbol Pavement Removal RIGHT OF WAY Baseline Control Point Existing Right of Way Marker Exist. Right of Way Line w/Marker ..... \_\_\_ \_\_\_\_\_\_\_ Prop. Right of Way Line with Proposed R/W Marker (Iron Pin & Cap) Prop. Right of Way Line with Proposed (Concrete or Granite) RW Marker \_\_\_\_\_ Prop. Control of Access Line Exist. Easement Line Prop. Temp. Construction Easement Line ...... Prop. Temp. Drainage Easement Line \_\_\_\_\_\_\_ **HYDROLOGY** Stream or Body of Water ..... River Basin Buffer ...... \_\_\_\_\_\_RBB\_\_\_\_ Flow Arrow Disappearing Stream \_\_\_\_\_ Swamp Marsh ..... Shoreline \_\_\_\_\_\_ Falls, Rapids ..... \_\_\_\_\_ Prop Lateral, Tail, Head Ditches **STRUCTURES MAJOR**

Bridge, Tunnel, or Box Culvert Bridge Wing Wall, Head Wall

MINOR	
Head & End Wall	CONC HW
Pipe Culvert	====
Footbridge	<b></b>
Drainage Boxes	•
Paved Ditch Gutter	
Tavoa Dilai Golioi	
UTILITIES	
Exist. Pole	•
Exist. Power Pole	•
Prop. Power Pole	6
Exist. Telephone Pole	•
Prop. Telephone Pole	<b>-</b> 0-
Exist. Joint Use Pole	+
Prop. Joint Use Pole	<b>&amp;</b>
Telephone Pedestal	ⅎ
U/G Telephone Cable Hand Hold	HH
Cable TV Pedestal  U/G TV Cable Hand Hold	<u>C</u>
U/G Power Cable Hand Hold	<b>™</b>
Hydrant	띱
Satellite Dish	•
Exist. Water Valve	y
Sewer Clean Out	⊗ ⊕
Power Manhole	®
Telephone Booth	<u>.</u>
Cellular Telephone Tower	<u>.</u>
Water Manhole	(W)
Light Pole	ä
H-Frame Pole	•—•
Power Line Tower	$\bowtie$
Pole with Base	<u> </u>
Gas Valve	$\Diamond$
Gas Meter	Ò
Telephone Manhole	Ť
Power Transformer	
Sanitary Sewer Manhole	•
Storm Sewer Manhole	<u>©</u>
Tank; Water, Gas, Oil	Q
Water Tank With Legs	Q
Traffic Signal Junction Box Fiber Optic Splice Box	S.
Television or Radio Tower	E C
Utility Power Line Connects to Traffic	$\otimes$

Recorded Water Line	
Designated Water Line (S.U.E.*)	• ·
Sanitary Sewer	ssss
Recorded Sanitary Sewer Force Main	——FSS ——FSS ——
Designated Sanitary Sewer Force Main(S.U.E.*)	F66F66
Recorded Gas Line	
Designated Gas Line (S.U.E.*)	•
Storm Sewer	
Recorded Power Line	
Designated Power Line (S.U.E.*)	
Recorded Telephone Cable	
Designated Telephone Cable (S.U.E.*)	
Recorded U/G Telephone Conduit	
Designated U/G Telephone Conduit (S.U.E.*)	
Unknown Utility (S.U.E.*)	
Recorded Television Cable	
Designated Television Cable (S.U.E.*)	— — TV — — TV — —
Recorded Fiber Optics Cable	F0 F0
Designated Fiber Optics Cable (S.U.E.*)	— — FO — — FO — —
Exist. Water Meter	
U/G Test Hole (S.U.E.*)	-
Abandoned According to U/G Record	ATTUR
End of Information	
BOUNDARIES & PROPER	
State Line	
County Line	
Township Line	
City Line	
Property Line	
Property Line Symbol	 PL
Exist. Iron Pin	္နွ
Property Corner	
Property Monument	
Property Number	<b>2</b> 3
Parcel Number	<u>6</u>
Fence Line	
Existing Wetland Boundaries	— — wlb — —
High Quality Wetland Boundary	
Medium Quality Wetland Boundaries	
Low Quality Wetland Boundaries  Proposed Wetland Boundaries	
Existing Endangered Animal Boundaries	
Existing Endangered Plant Boundaries	
	— — ЕРВ — —

#### **BUILDINGS & OTHER CULTURE**

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CSX TRANSPORTATION  OF THE POST 35  SWITCH

#### TYPICAL RIFFLE, POOL AND BANKFULL BENCH FOR GILLESPIE GOLF COURSE

PROJECT REFERENCE NO.	SHEET NO.
000532601	2
BROJECT ENGINE	EB

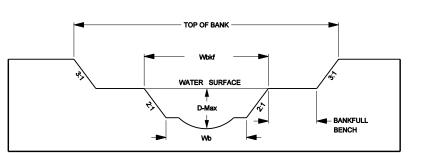
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#### 8000 REGENCY PARK SUITE 200 CARY, NC 27511 919-483-5488

#### RIFFLE & POOL WITH BANKFULL BENCH



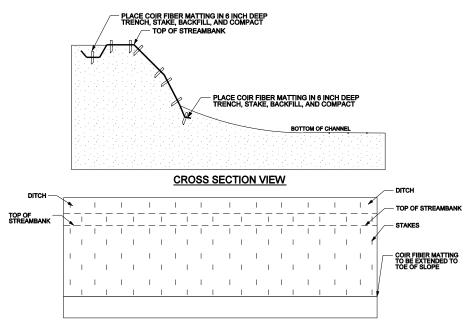
	RIFFLE	POOL
WIDTH OF BANKFULL (Wbkf) - ft	27	32
AVERAGE DEPTH - ft	2.7	2.7
MAXIMUM DEPTH (D-max) - ft	3.2	4.1
WIDTH TO DEPTH RATIO (bkfl W/D)	10	12
BANKFULL AREA - ft <sup>2</sup>	75	85
BOTTOM WIDTH (Wb) - ft	14.2	7.4
BANKFULL BENCH WIDTH - ft	5-10	5-10

REACH 1

#### NOTES:

- 1. BANKFULL BENCH WIDTH WILL VARY.
- 2 .BANKFULL BENCH WILL NOT ALWAYS BE ON BOTH SIDES (SEE PLANS)
- 3. THE SHAPE OF THE POOL X-SECTION WILL BE SIMILAR TO THE RIFFLE X-SECTION IN THAT THE THALWEG WILL BE COINCIDENT WITH THE CENTERLINE.

#### **EROSION CONTROL MATTING**



#### **PLAN VIEW**

