

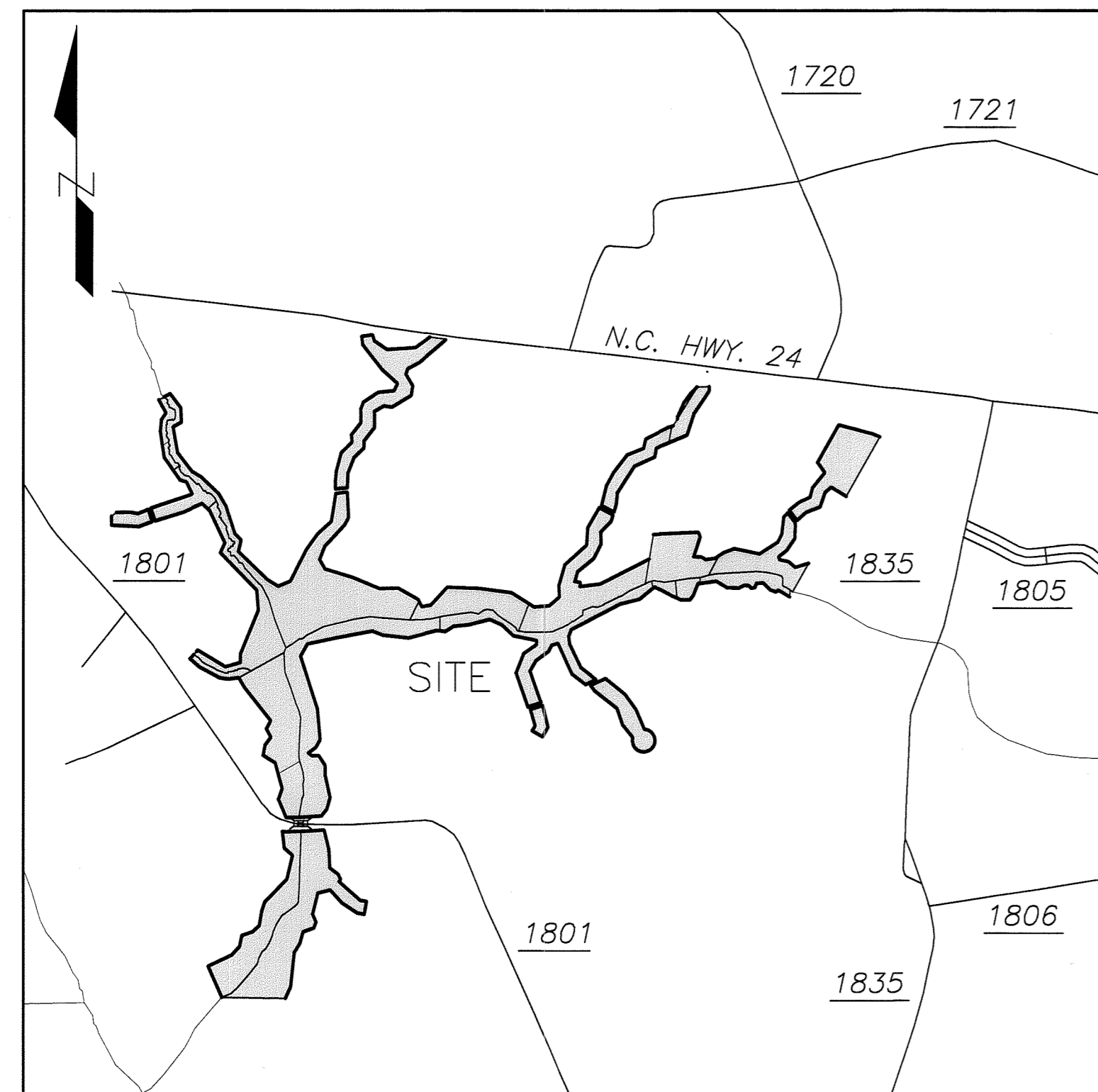
# BEST STREAM AND WETLAND RESTORATION PROJECT

## DUPLIN COUNTY, NORTH CAROLINA

CAPE FEAR RIVER BASIN  
HUC: 03030007060010

NORTH CAROLINA DIVISION OF MITIGATION SERVICES:  
PROJECT # 95353  
CONTRACT # 004631

### AS-BUILT SURVEY



VICINITY MAP  
NOT TO SCALE

#### PROJECT COORDINATES:

LATITUDE: 34°54'44.011" N  
LONGITUDE: 77°44'57.344" W

#### PROJECT DIRECTORY

**DESIGNER:**  
W. K. DICKSON  
720 CORPORATE CENTER DR.  
RALEIGH, NC 27607  
(919) 782-0495

**MONITORING PERFORMERS:**  
RESOURCE ENVIRONMENTAL SOLUTIONS, LLC  
302 JEFFERSON ST., SUITE 110  
RALEIGH, NC 27605  
(919)209-1061

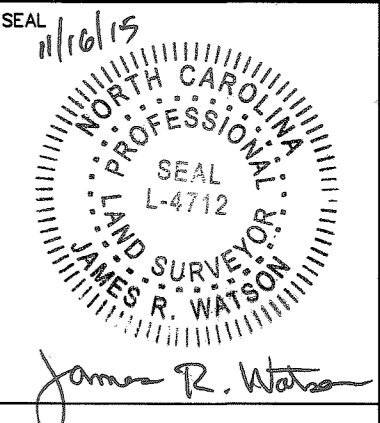
**CONSTRUCTION CONTRACTOR:**  
WRIGHT CONTRACTING  
PO BOX 545  
SILER CITY, NC 27344  
(919) 663-0810

**SURVEYING:**  
MATRIX EAST, PLLC  
906 N. QUEEN ST., SUITE A  
KINSTON, NC 28501  
(252)522-2500

**FULL DELIVERY PROVIDER:**  
RESOURCE ENVIRONMENTAL SOLUTIONS, LLC  
302 JEFFERSON ST., SUITE 110  
RALEIGH, NC 27605  
(919) 209-1061

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CROSS SECTION CHARTS	S19 & S20



# COVER SHEET

## BEST STREAM & WETLAND RESTORATION PROJECT

### DUPLIN COUNTY, NC



**MATRIX EAST, PLLC**  
906 N. QUEEN ST., SUITE A  
KINSTON, NC 28501  
TEL: 252-522-2500 FAX: 252-522-4747  
FIRM LIC. # P-0221  
EMAIL: surveyor@matrixeast.net

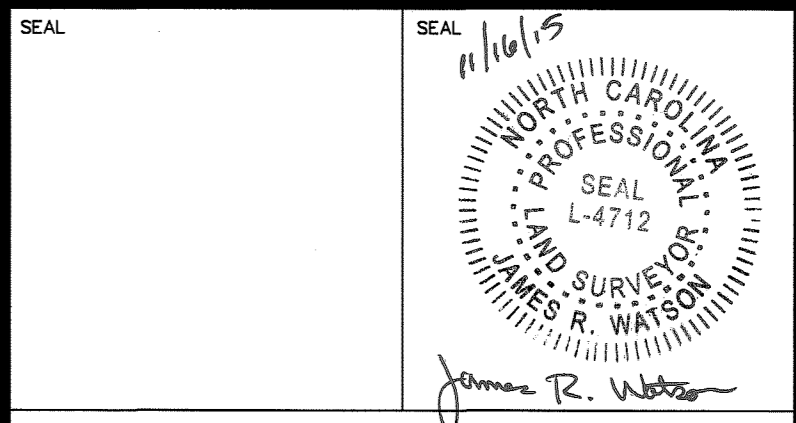
**RESOURCE ENVIRONMENTAL SOLUTIONS, LLC**  
302 JEFFERSON ST., SUITE 110  
RALEIGH, N.C. 27605

SCALE	DEPARTMENT
DRAWN BY JRW	DATE STARTED 8-17-15
APPROVED JRW	SHEET No. 1 OF 20
DRAWING NAME BEST ASB	DRAWING NO.
PROJECT NO. 20120072	<b>S-1</b>

Best Baseline Monitoring Cross Section Control							
Description	Northing	Easting	Elevation	Description	Northing	Easting	Elevation
XS1-LEFT PIN	427105.73	2380206.27	75.29	XS17-LEFT PIN	426905.96	2377975.96	68.94
XS1-RIGHT PIN	427121.93	2380158.71	75.25	XS17-RIGHT PIN	426950.79	2377953.78	68.87
XS2-LEFT PIN	427074.12	2380189.68	74.65	XS18-LEFT PIN	426897.43	2377939.99	68.67
XS2-RIGHT PIN	427108.27	2380153.30	75.33	XS18-RIGHT PIN	426947.25	2377935.94	68.93
XS3-LEFT PIN	426946.09	2380044.42	73.18	XS19-LEFT PIN	426538.65	2377693.00	67.45
XS3-RIGHT PIN	426952.76	2379994.90	73.00	XS19-RIGHT PIN	426534.09	2377643.13	67.33
XS4-LEFT PIN	426920.49	2380034.30	73.01	XS20-LEFT PIN	426521.31	2377695.08	67.34
XS4-RIGHT PIN	426929.67	2379984.94	73.29	XS20-RIGHT PIN	426520.01	2377644.90	67.27
XS5-LEFT PIN	426784.80	2379931.49	72.16	XS21-LEFT PIN	426168.00	2377518.13	65.38
XS5-6-RIGHT PIN	426811.03	2379888.69	72.80	XS21-RIGHT PIN	426172.85	2377468.41	66.23
XS6-LEFT PIN	426766.48	2379894.81	72.01	XS22-LEFT PIN	426150.75	2377520.33	65.51
XS5-6-RIGHT PIN	426811.03	2379888.69	72.80	XS22-RIGHT PIN	426142.99	2377470.96	65.83
XS7-LEFT PIN	426552.95	2379735.86	71.28	XS23-LEFT PIN	425832.83	2377313.32	63.02
XS7-RIGHT PIN	426584.97	2379697.22	71.31	XS23-RIGHT PIN	425824.60	2377263.94	62.98
XS8-LEFT PIN	426560.43	2379737.19	71.23	XS24-LEFT PIN	425791.28	2377311.01	63.51
XS8-RIGHT PIN	426561.92	2379687.48	71.20	XS24-RIGHT PIN	425815.66	2377267.16	62.83
XS9-LEFT PIN	426379.87	2379528.20	68.96	XS25-RIGHT PIN	424219.98	2377003.22	71.64
XS9-RIGHT PIN	426428.83	2379518.46	69.62	XS25-LEFT PIN	424247.91	2376961.51	71.58
XS10-LEFT PIN	426378.05	2379526.30	69.05	XS26-RIGHT PIN	424595.82	2376887.27	69.04
XS10-RIGHT PIN	426418.13	2379495.90	69.66	XS26-LEFT PIN	424575.04	2376864.11	68.90
XS11-LEFT PIN	426165.02	2379456.35	68.41	XS27-LEFT PIN	428024.64	2375313.12	71.97
XS11-RIGHT PIN	426168.87	2379406.41	66.66	XS27-RIGHT PIN	427998.21	2375280.31	72.30
XS12-LEFT PIN	426137.26	2379456.30	68.24	XS28-LEFT PIN	427877.44	2375426.06	70.33
XS12-RIGHT PIN	426150.72	2379408.24	66.49	XS28-RIGHT PIN	427854.65	2375393.33	70.72
XS13-LEFT PIN	427338.18	2378427.74	70.81	XS29-LEFT PIN	426320.84	2372886.62	68.80
XS13-RIGHT PIN	427378.82	2378398.80	71.35	XS29-RIGHT PIN	426270.87	2372885.19	69.86
XS14-LEFT PIN	427301.88	2378409.39	70.68	XS30-LEFT PIN	426375.57	2373183.06	67.88
XS14-RIGHT PIN	427342.63	2378380.48	71.33	XS30-RIGHT PIN	426328.00	2373198.78	67.38
XS15-LEFT PIN	427132.27	2378255.21	69.93	XS31-LEFT PIN	426457.62	2373448.79	66.45
XS15-RIGHT PIN	427157.03	2378211.70	70.18	XS31-RIGHT PIN	426412.07	2373469.63	66.32
XS16-LEFT PIN	427107.29	2378208.09	69.64				
XS16-RIGHT PIN	427157.26	2378205.60	70.14				

- LEGEND
- C/L = CENTERLINE
  - R/W = RIGHT OF WAY
  - N/F = NOW OR FORMERLY
  - HDPE = HIGH DENSITY POLYETHYLENE PIPE
  - XS = CROSS SECTION
  - VP = VEGETATION PLOT
  - ∇ = BANKPIN ARRAY
  - BPA = BANKPIN ARRAY
  - ⊙ = CREST GAUGE
  - CG = CREST GAUGE
  - = AUTO-CREST GAUGE
  - ACG = AUTO-CREST GAUGE
  - ⊗ = WOODY DEBRIS BUNDLE
  - = LOG STRUCTURE
  - = ROCK STRUCTURE
  - ⊗ = ROCK AREA
  - LCE — = CONSERVATION EASEMENT LINE
  - = BOUNDARY LINE
  - - - - - = WETLAND BOUNDARY LINE
  - ~~~~~ = WOODLINE

NOTES:  
1. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES UNLESS OTHERWISE NOTED.  
2. THE HORIZONTAL DATUM IS NAD 83(2011) AND THE VERTICAL DATUM IS NAVD 88.  
3. THIS MAP IS NOT FOR RECORDATION, SALES, OR CONVEYANCES.  
4. THE PURPOSE OF THIS MAP IS TO SHOW POST CONSTRUCTION AS-BUILT CONDITIONS OF THE STREAM RESTORATION AND MAY NOT SHOW ALL UTILITIES, STRUCTURES, AND BOUNDARIES.  
5. NO PROPERTY LINES WERE SURVEYED DURING THIS SURVEY. ALL CONSERVATION EASEMENTS, PROPERTY LINES, AND ADJOINING PROPERTY OWNERS ARE SHOWN BY PREVIOUS SURVEYS BY MATRIX EAST, PLLC AS RECORDED IN THE DUPLIN COUNTY REGISTER OF DEEDS OFFICE.



**LEGEND, NOTES, & CROSS SECTION CONTROL**

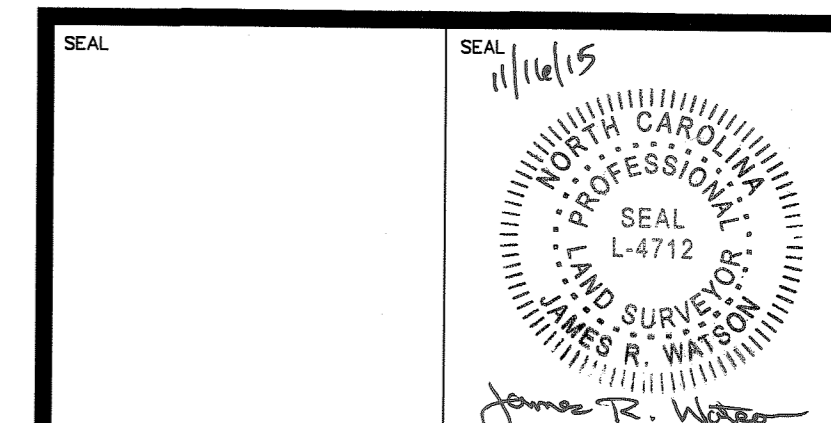
# BEST STREAM & WETLAND RESTORATION PROJECT DUPLIN COUNTY, NC

**MATRIX EAST, PLLC**

906 N. QUEEN ST., SUITE A  
KINSTON, NC 28501  
TEL: 252-522-2500 FAX: 252-522-4747  
FIRM LIC. # P-0221  
EMAIL: surveyor@matrixeast.net

**RESOURCE ENVIRONMENTAL SOLUTIONS, LLC**  
302 JEFFERSON ST., SUITE 110  
RALEIGH, N.C. 27605

SCALE	DEPARTMENT	
DRAWN BY JRW	DATE STARTED 8-17-15	SHEET No. 2 OF 20
APPROVED JRW	DRAWING No.	
DRAWING NAME BEST ASB	<b>S-2</b>	
PROJECT NO. 20120072		



# STREAM BASELINE OVERVIEW

## BEST STREAM & WETLAND RESTORATION PROJECT

### DUPLIN COUNTY, N.C.

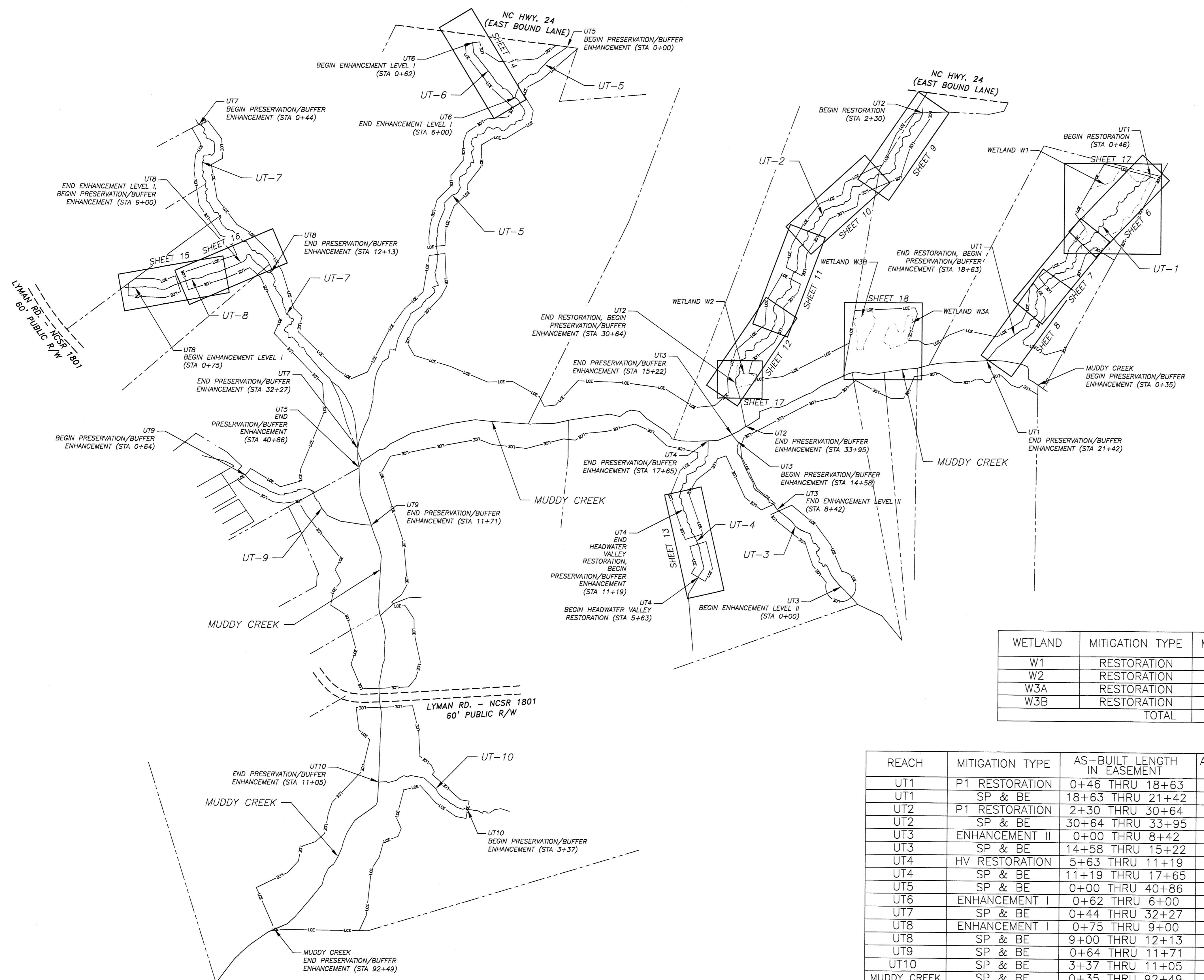
**MATRIX EAST, PLLC**

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 302 JEFFERSON ST., SUITE 110  
 RALEIGH, N.C. 27605

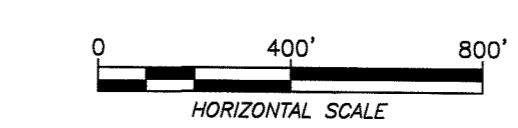
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DRAWN BY	JRW	DATE STARTED	8-17-15
APPROVED	JRW	SHEET No.	3 OF 20
DRAWING NAME	BEST ASB	DRAWING NO.	
PROJECT NO.	20120072		

**S3**

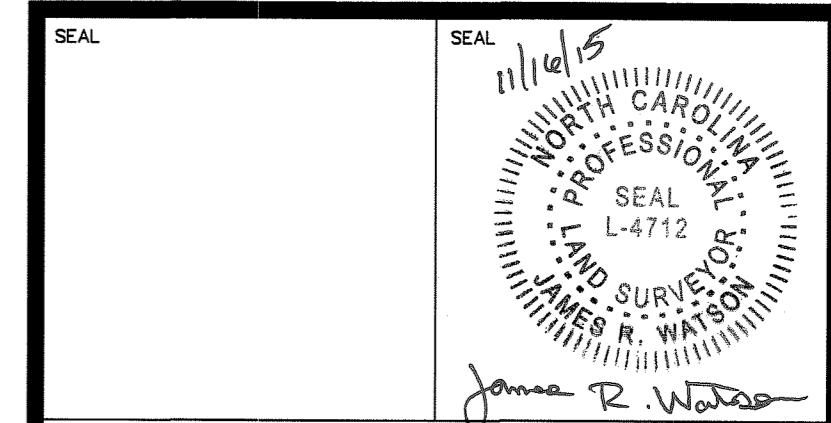
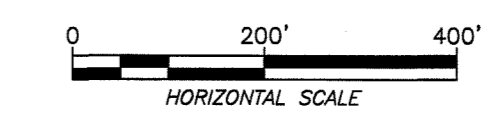
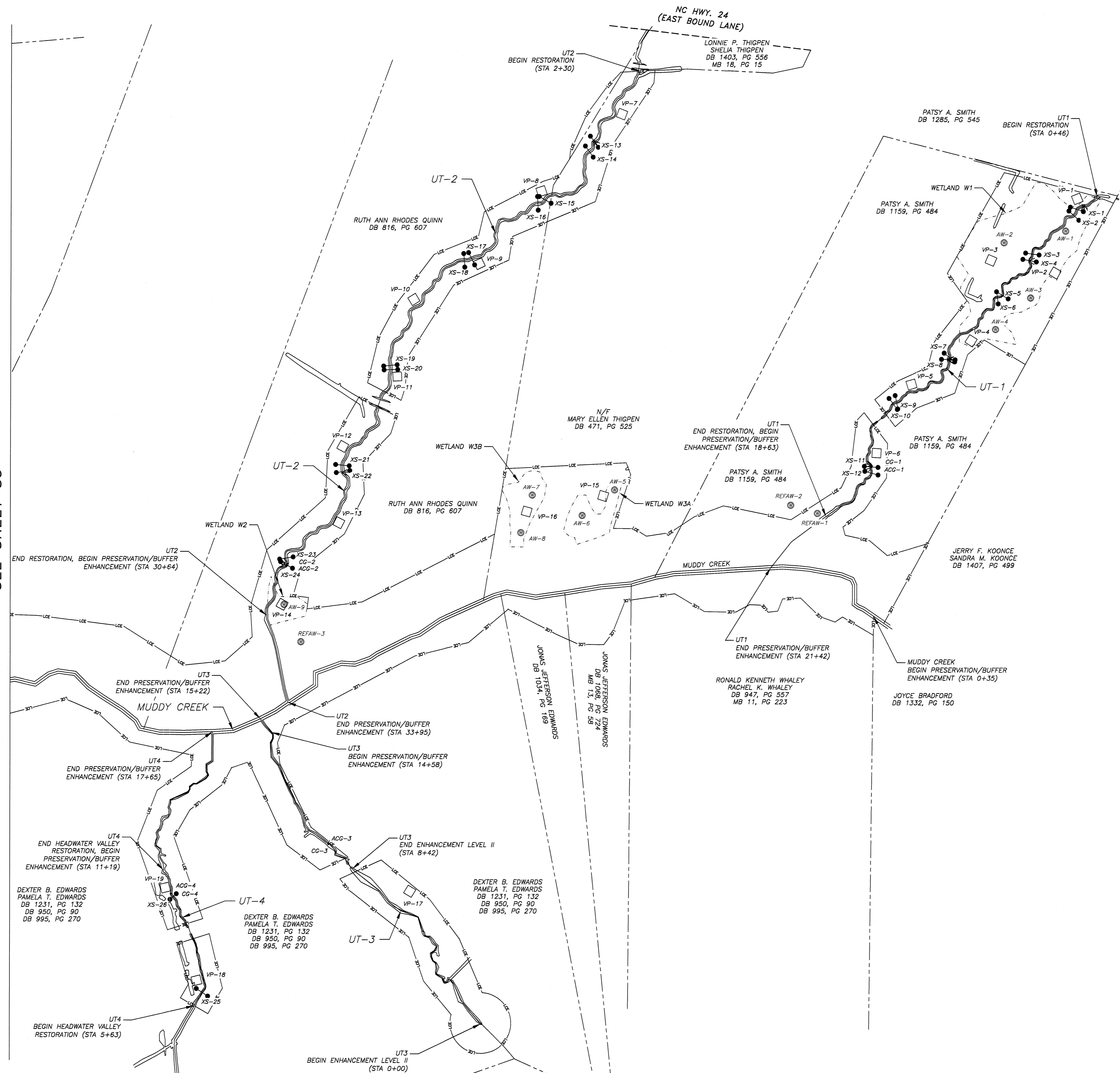


WETLAND	MITIGATION TYPE	MITIGATION AREA	WMUs
W1	RESTORATION	3.77 AC.±	3.77
W2	RESTORATION	0.31 AC.±	0.31
W3A	RESTORATION	0.58 AC.±	0.58
W3B	RESTORATION	0.59 AC.±	0.59
TOTAL		5.25 AC.±	5.25

REACH	MITIGATION TYPE	AS-BUILT LENGTH IN EASEMENT	AS-BUILT LENGTH IN EASEMENT	SMUs
UT1	P1 RESTORATION	0+46 THRU 18+63	1,757'	1757
UT1	SP & BE	18+63 THRU 21+42	279'	56
UT2	P1 RESTORATION	2+30 THRU 30+64	2,772'	2772
UT2	SP & BE	30+64 THRU 33+95	331'	66
UT3	ENHANCEMENT II	0+00 THRU 8+42	812'	325
UT3	SP & BE	14+58 THRU 15+22	64'	13
UT4	HV RESTORATION	5+63 THRU 11+19	494'	494
UT4	SP & BE	11+19 THRU 17+65	646'	129
UT5	SP & BE	0+00 THRU 40+86	4,043'	809
UT6	ENHANCEMENT I	0+62 THRU 6+00	538'	359
UT7	SP & BE	0+44 THRU 32+27	3,183'	637
UT8	ENHANCEMENT I	0+75 THRU 9+00	765'	510
UT8	SP & BE	9+00 THRU 12+13	313'	63
UT9	SP & BE	0+64 THRU 11+71	1,107'	221
UT10	SP & BE	3+37 THRU 11+05	768'	154
MUDDY CREEK	SP & BE	0+35 THRU 92+49	9,073'	1815
TOTAL			26,945'	10,180



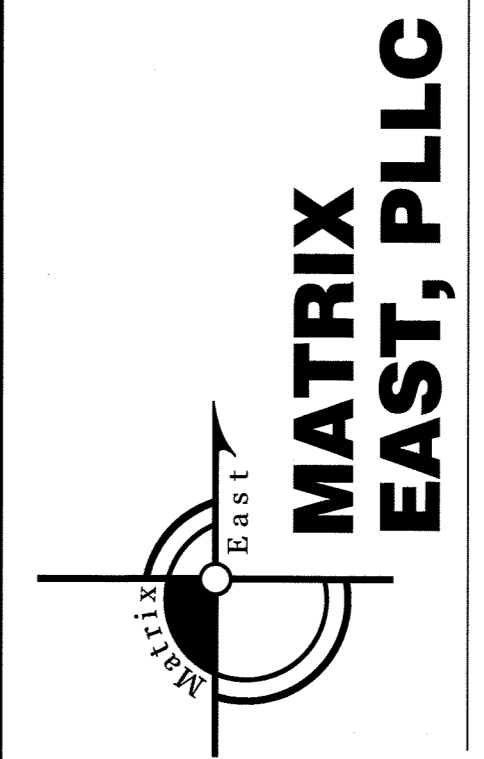
SEE SHEET S5



STREAM MONITORING OVERVIEW SHEET 1

# BEST STREAM & WETLAND RESTORATION PROJECT

## DUPLIN COUNTY, N.C.

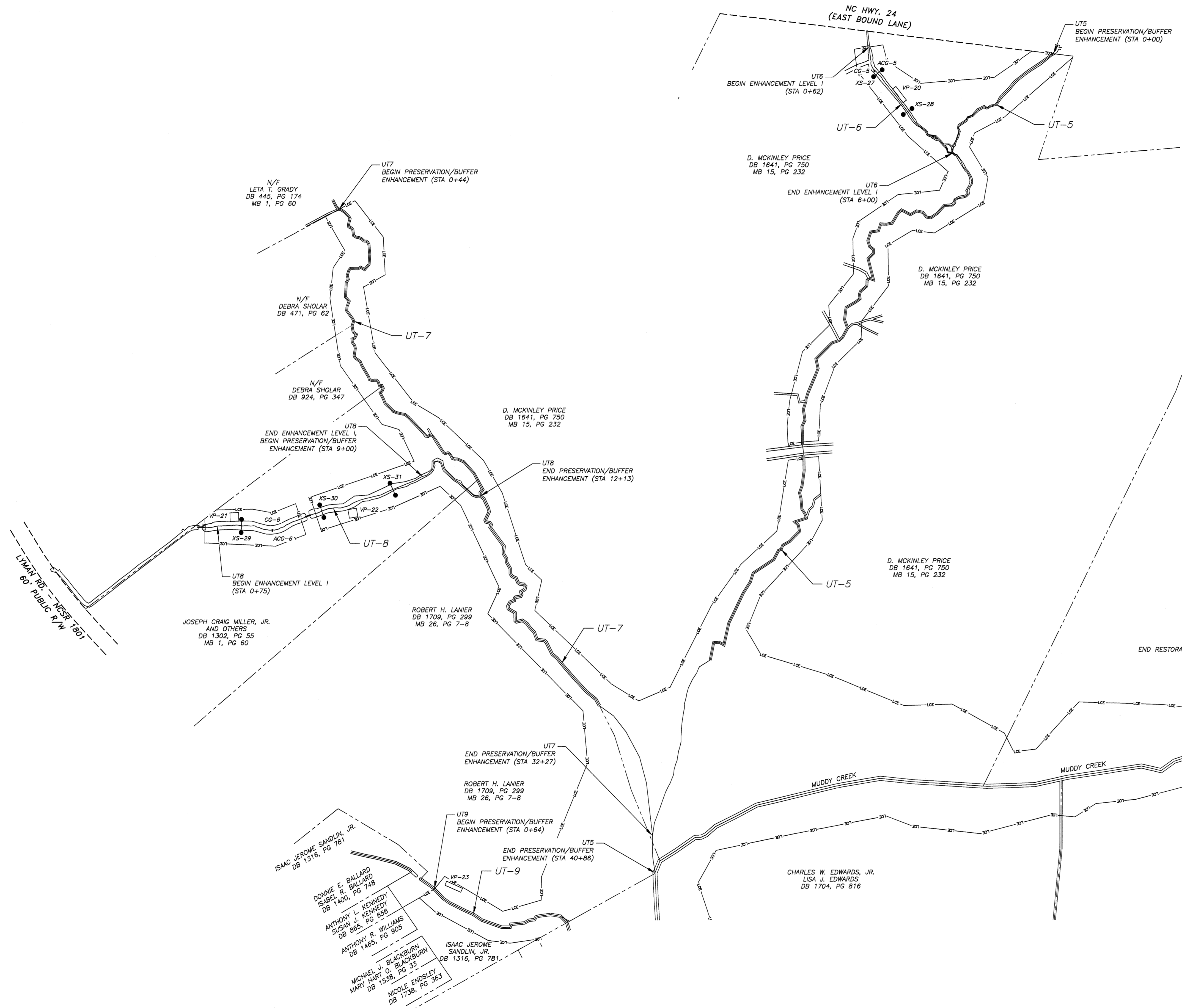


**MATRIX EAST, PLLC**

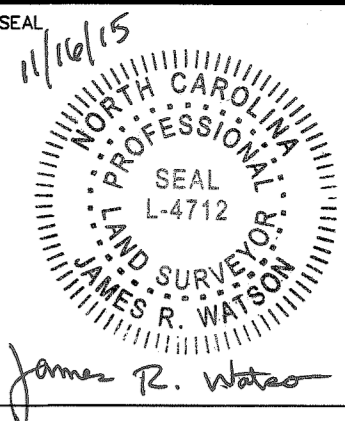
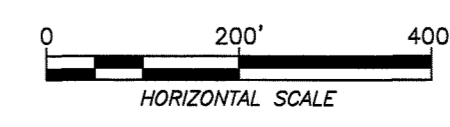
906 N. QUEEN ST., SUITE A  
 KINSTON, NC 28501  
 TEL: 252-522-2500 FAX: 252-522-4747  
 FIRM LIC. # P-0221  
 EMAIL: surveyor@matrixeast.net

**RESOURCE ENVIRONMENTAL SOLUTIONS, LLC**  
 302 JEFFERSON ST., SUITE 110  
 RALEIGH, N.C. 27605

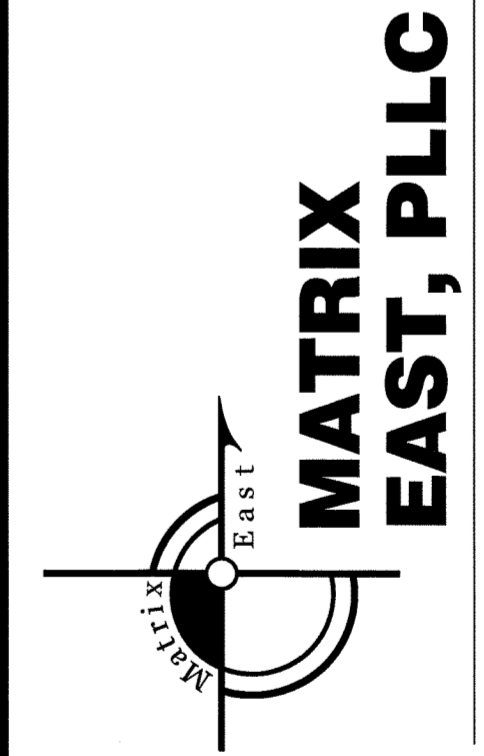
SCALE	1" = 200'	DEPARTMENT	
DRAWN BY	JRW	DATE STARTED	8-17-15
APPROVED	JRW	SHEET No.	4 OF 20
DRAWING NAME	BEST ASB	PROJECT NO.	20120072
			<b>S4</b>



SEE SHEET S4



**STREAM MONITORING OVERVIEW SHEET 2**  
**BEST STREAM & WETLAND RESTORATION PROJECT**  
**DUPLIN COUNTY, N.C.**

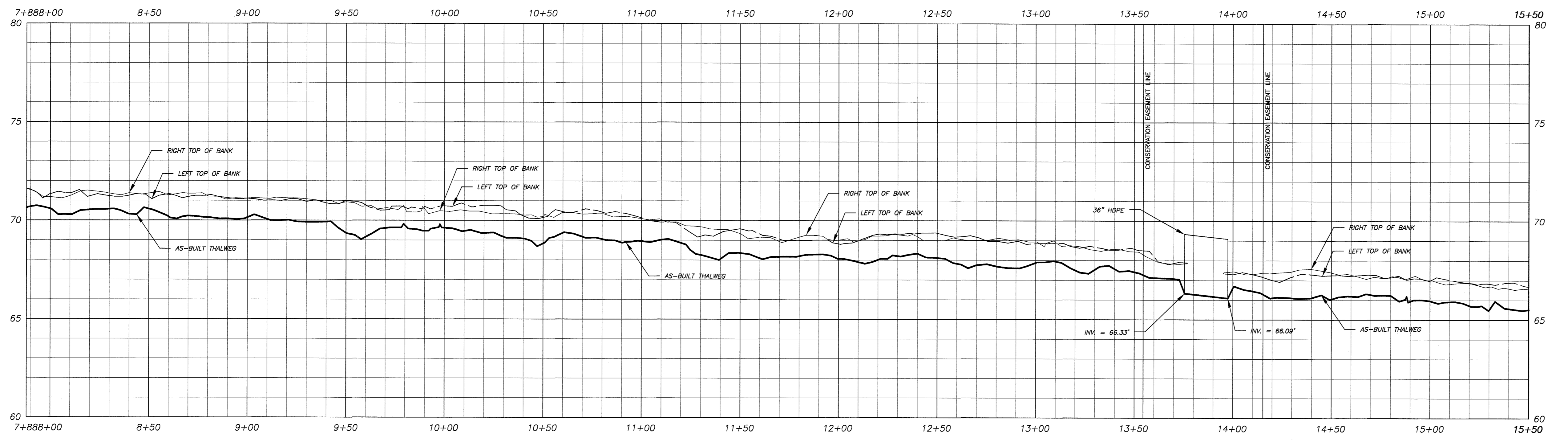
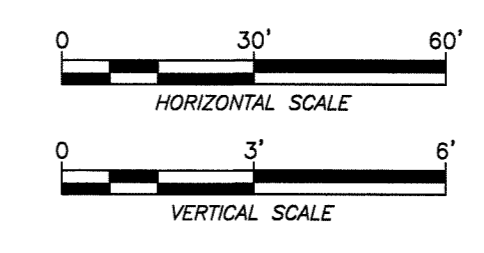


**MATRIX EAST, PLLC**  
 906 N. QUEEN ST., SUITE A  
 KINSTON, NC 28501  
 TEL: 252-522-2500 FAX: 252-522-4747  
 FIRM LIC. # P-0221  
 EMAIL: surveyor@matrixeast.net

**RESOURCE ENVIRONMENTAL SOLUTIONS, LLC**  
 302 JEFFERSON ST., SUITE 110  
 RALEIGH, N.C. 27605

SCALE	1" = 200'	DEPARTMENT	
DRAWN BY	JRW	DATE STARTED	8-17-15
APPROVED	JRW	SHEET No.	5 OF 20
DRAWING NAME	BEST ASB	DRAWING NO.	<b>S5</b>
PROJECT NO.	20120072		





SEAL

James R. Watson

PROFESSIONAL SURVEYOR  
L-4712

**STREAM BASELINE AS-BUILT  
UT-1 PLAN & PROFILE (7+88 - 15+50)**

**BEST STREAM & WETLAND  
RESTORATION PROJECT  
DUPLIN COUNTY, N.C.**

**MATRIX  
EAST, PLLC**

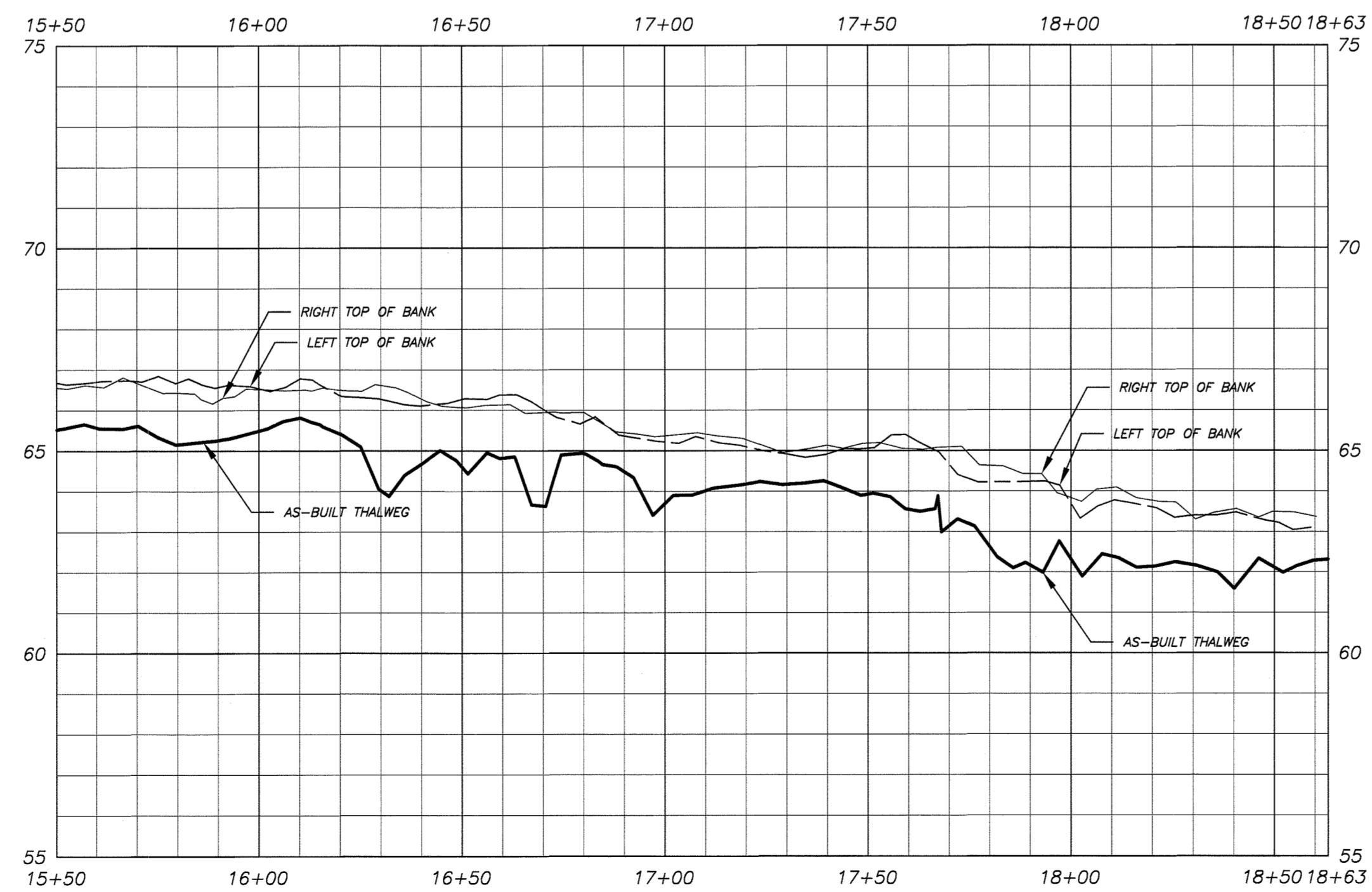
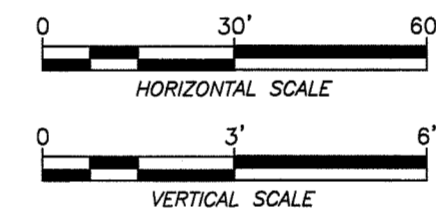
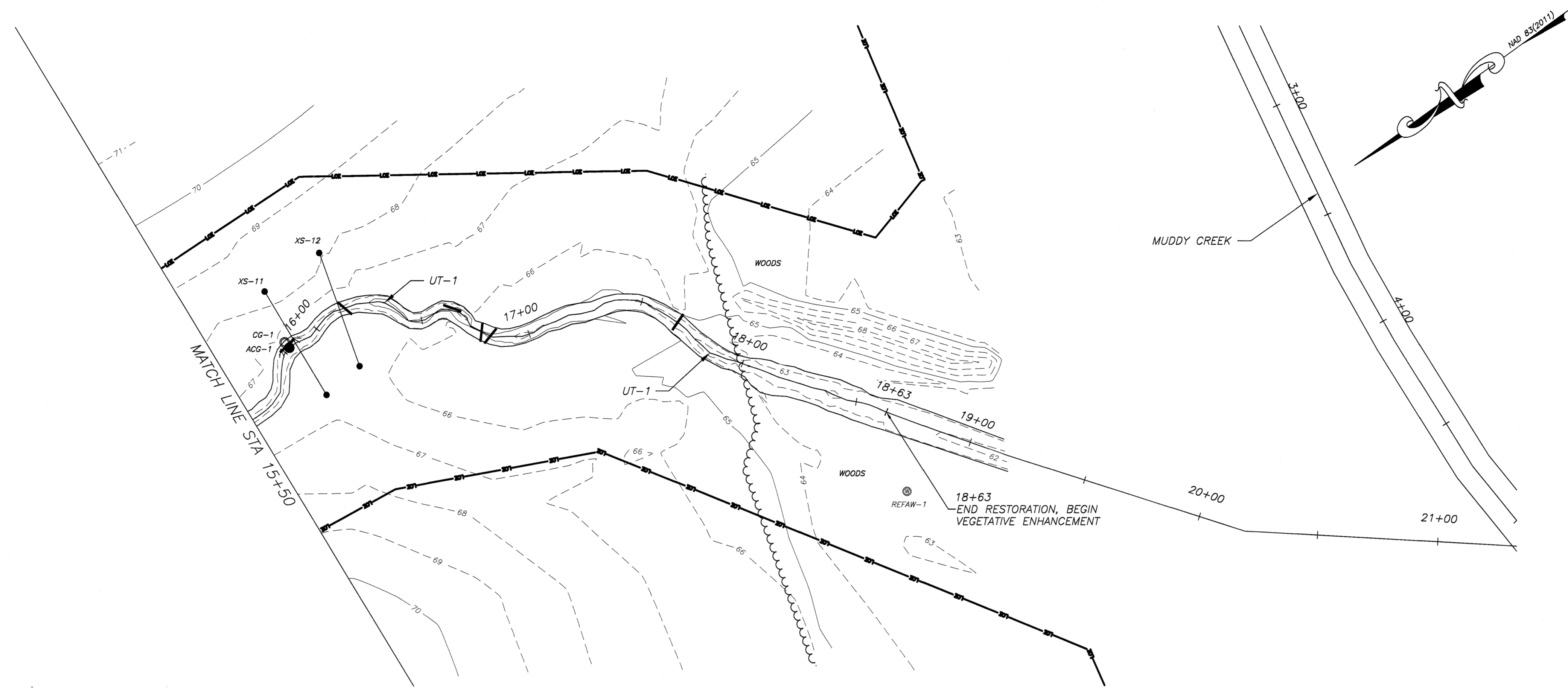
906 N. QUEEN ST., SUITE A  
KINSTON, NC 28501  
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FIRM LIC. # P-0221  
EMAIL: surveyor@matrixeast.net

**RESOURCE  
ENVIRONMENTAL  
SOLUTIONS, LLC**

302 JEFFERSON ST., SUITE 110  
RALEIGH, N.C. 27605

SCALE	1" = 30'	DEPARTMENT	
DRAWN BY	JRW	DATE STARTED	8-17-15
APPROVED	JRW	SHEET No.	7 OF 20
DRAWING NAME	BEST ASB	DRAWING NO.	
PROJECT NO.	20120072		

**S7**



SEAL  
 11/16/15  
 NORTH CAROLINA  
 PROFESSIONAL  
 SEAL  
 L-4712  
 LAND SURVEYOR  
 JAMES R. WATSON  
 James R. Watson

**STREAM BASELINE AS-BUILT  
 UT-1 PLAN & PROFILE (15+50 - 18+63)**

**BEST STREAM & WETLAND  
 RESTORATION PROJECT  
 DUPLIN COUNTY, N.C.**



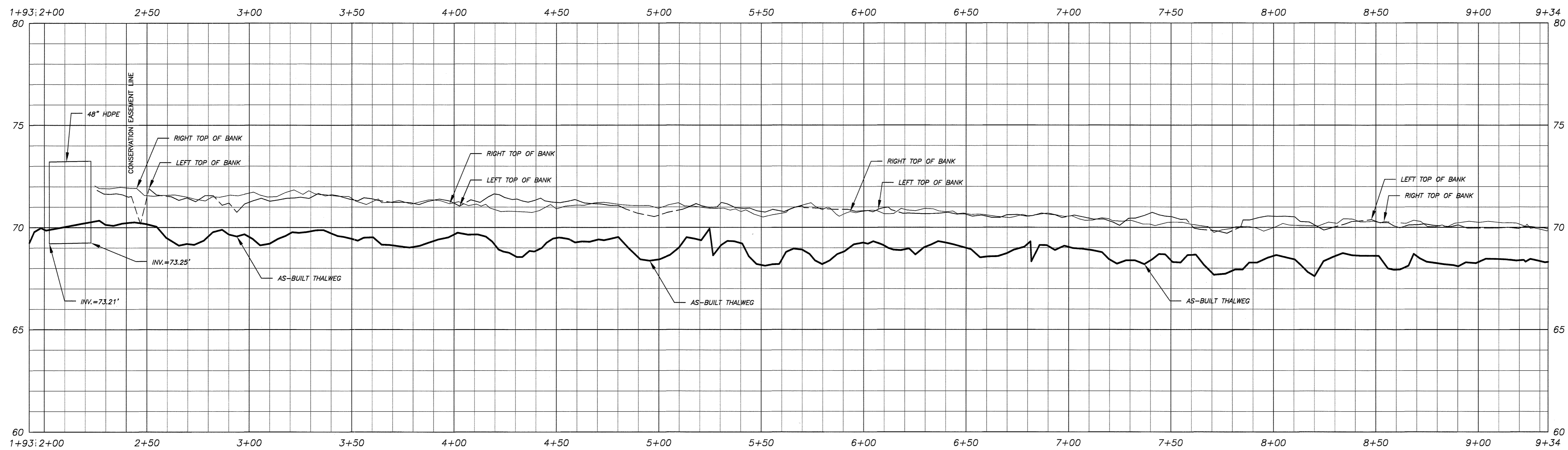
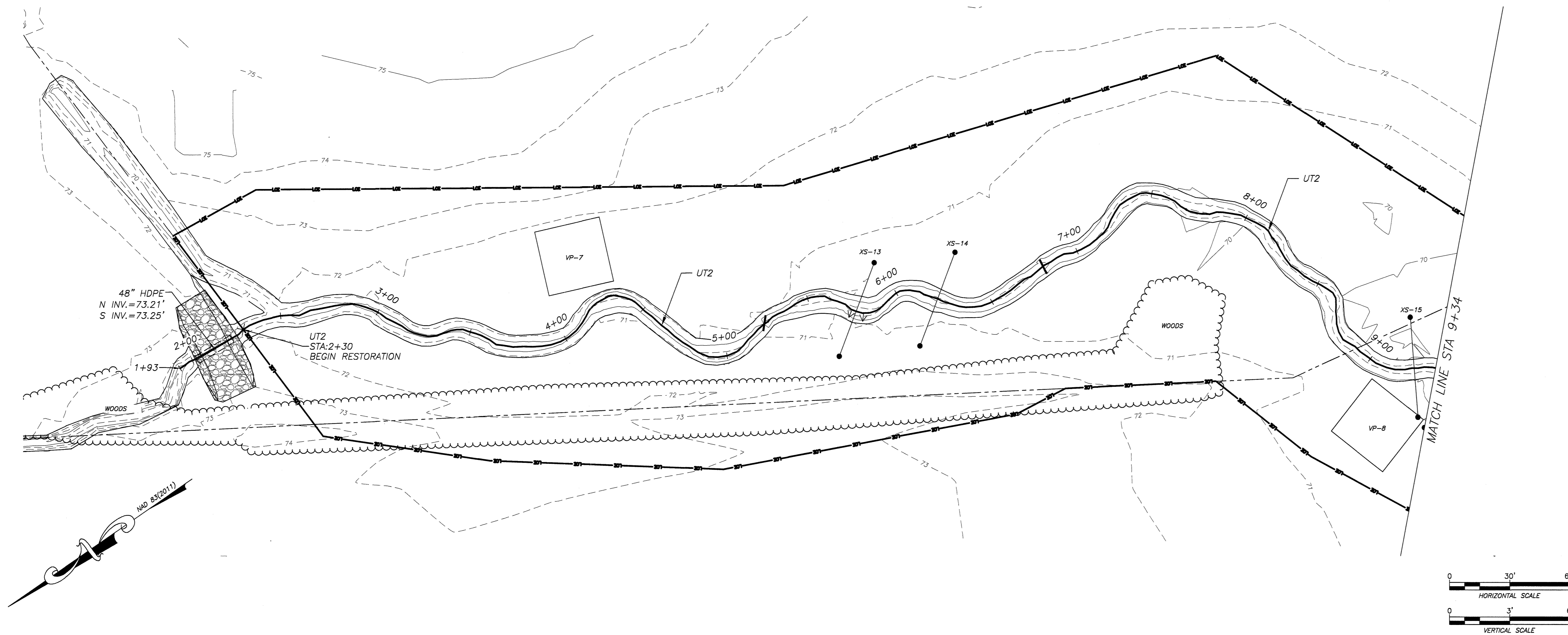
**MATRIX  
 EAST, PLLC**

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 KINSTON, NC 28501  
 TEL: 252-522-2500 FAX: 252-522-4747  
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 EMAIL: surveyor@matrixeast.net

**RESOURCE  
 ENVIRONMENTAL  
 SOLUTIONS, LLC**  
 302 JEFFERSON ST., SUITE 110  
 RALEIGH, N.C. 27605

SCALE 1" = 30'		DEPARTMENT
DRAWN BY JRW	DATE STARTED 8-17-15	SHEET No. 8 OF 20
APPROVED JRW		DRAWING NO.
DRAWING NAME BEST ASB		<b>S8</b>
PROJECT NO. 20120072		





SEAL

11/16/15

SEAL

L-4712

LAND SURVEYOR

JAMES R. WATSON

James R. Watson

STREAM BASELINE AS-BUILT  
UT-2 PLAN & PROFILE (1+93 - 9+34)

# BEST STREAM & WETLAND RESTORATION PROJECT DUPLIN COUNTY, N.C.

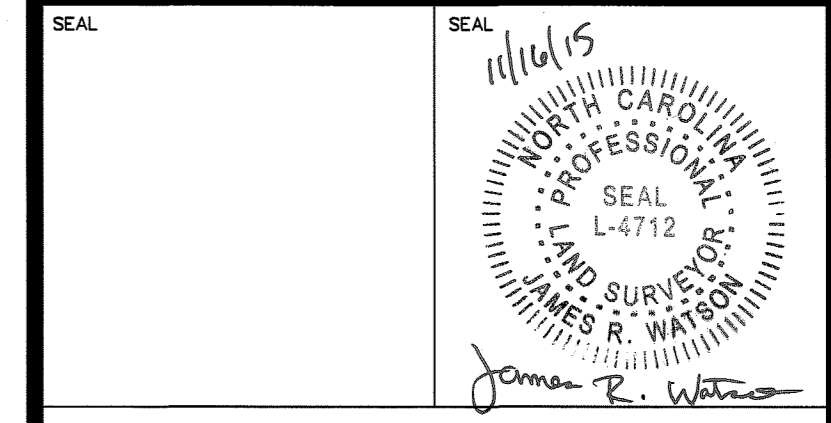
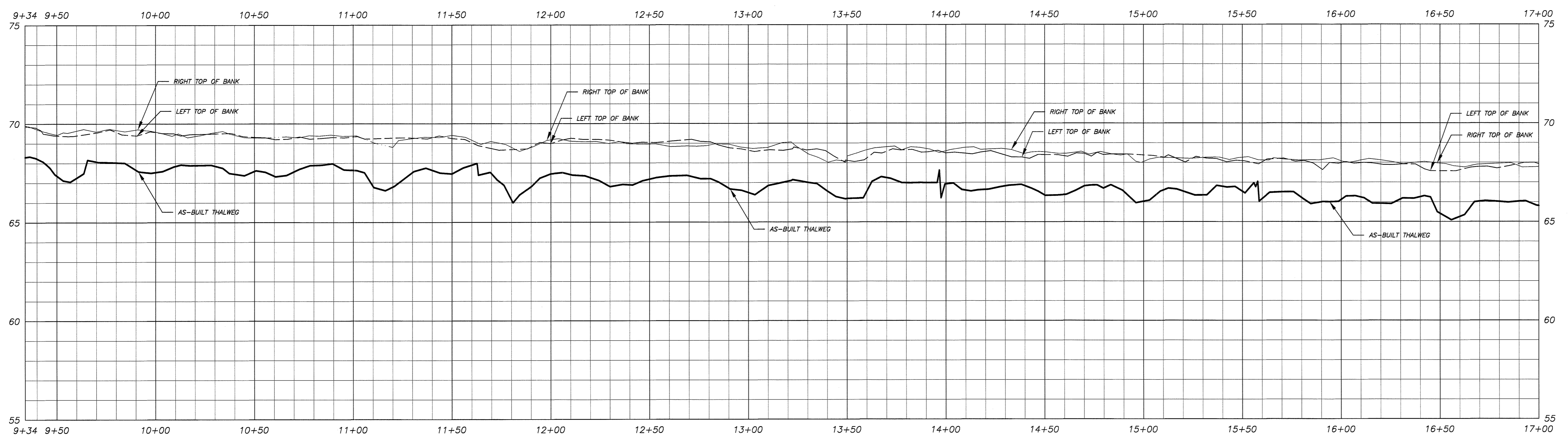
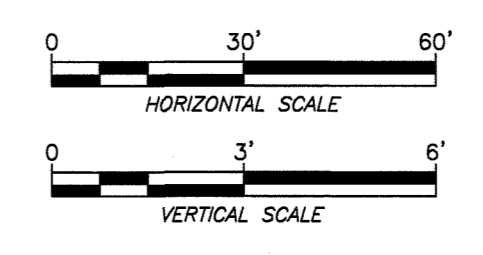
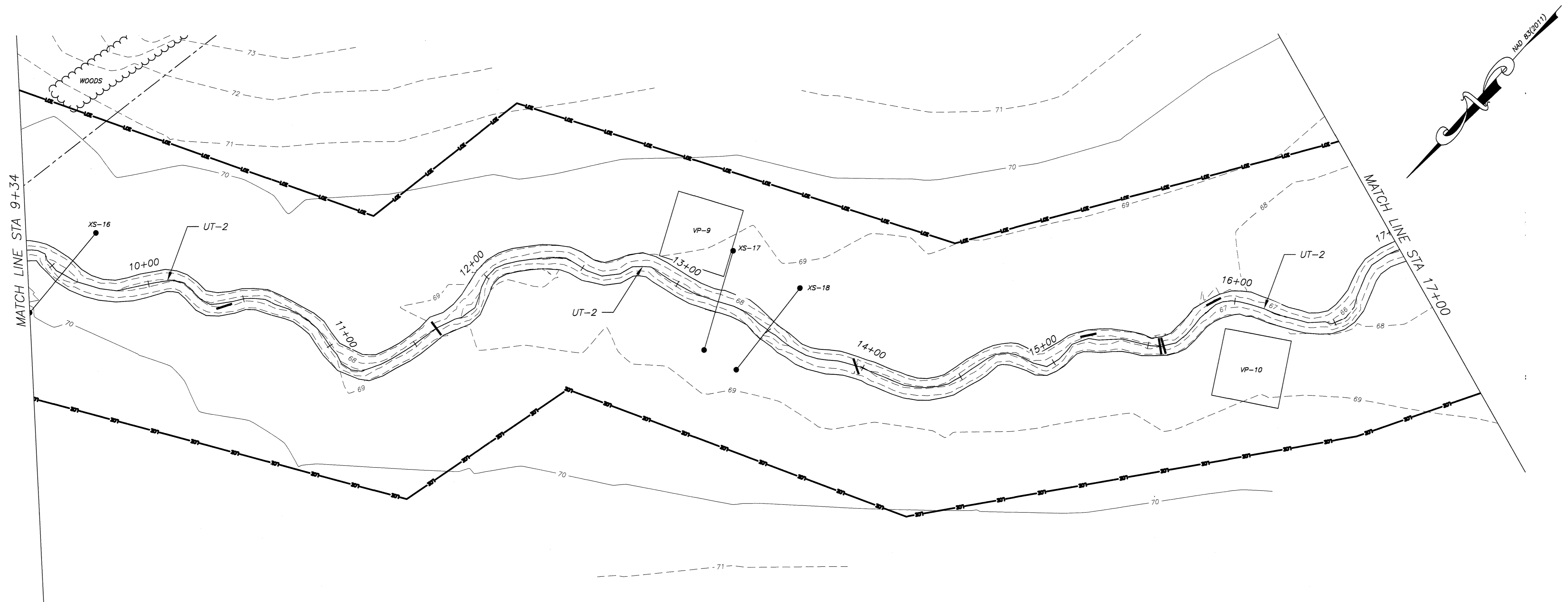


906 N. QUEEN ST., SUITE A  
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FIRM LIC. # P-0221  
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**RESOURCE ENVIRONMENTAL SOLUTIONS, LLC**  
302 JEFFERSON ST., SUITE 110  
RALEIGH, N.C. 27605

SCALE	1" = 30'	DEPARTMENT	
DRAWN BY	JRW	DATE STARTED	8-17-15
APPROVED	JRW	SHEET No.	9 OF 20
DRAWING NAME	BEST ASB	DRAWING NO.	
PROJECT NO.	20120072		

**S9**



**STREAM BASELINE AS-BUILT  
UT-2 PLAN & PROFILE (9+34 - 17+00)**

**BEST STREAM & WETLAND  
RESTORATION PROJECT  
DUPLIN COUNTY, N.C.**



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RALEIGH, N.C. 27605

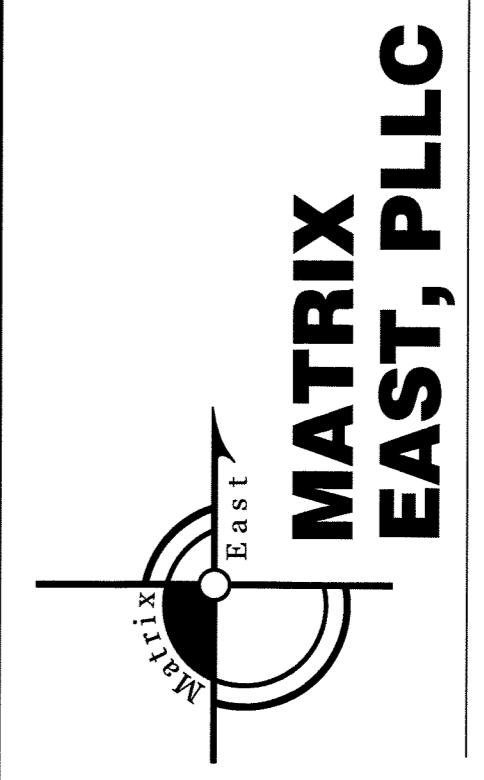
SCALE	1" = 30'	DEPARTMENT	
DRAWN BY	DATE STARTED	SHEET No.	
JRW	8-17-15	10 OF 20	
APPROVED		DRAWING No.	
JRW			
DRAWING NAME			
BEST ASB			
PROJECT No.			
20120072			

**S10**

SEAL  
 11/16/15  
 NORTH CAROLINA  
 PROFESSIONAL  
 SEAL  
 L-4712  
 LAND SURVEYOR  
 JAMES R. WATSON  
 James R. Watson

**BEST STREAM & WETLAND RESTORATION PROJECT  
 DUPLIN COUNTY, N.C.**

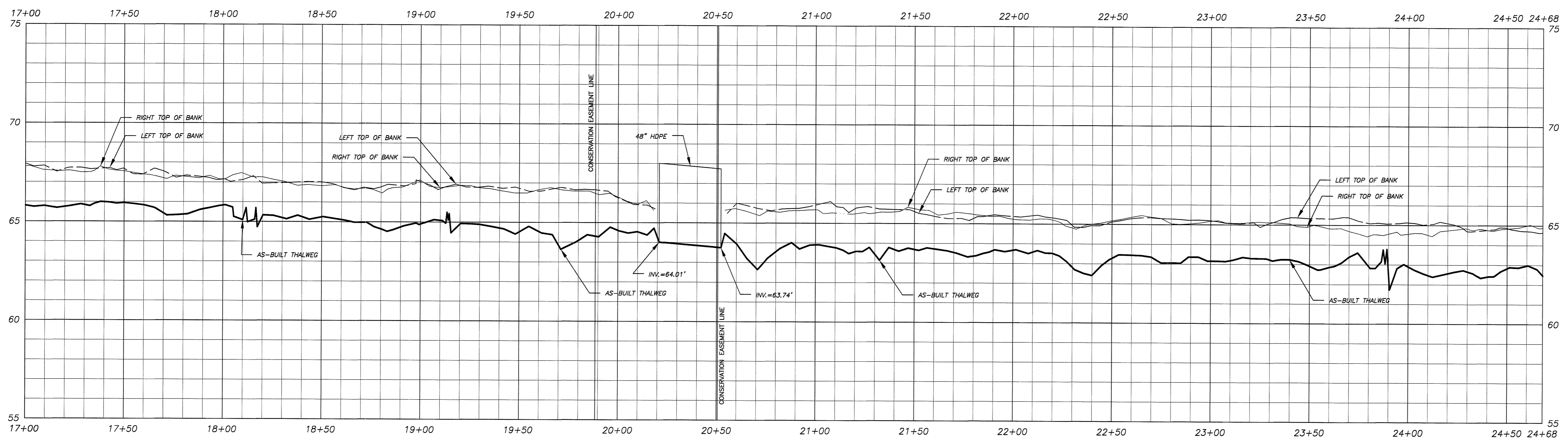
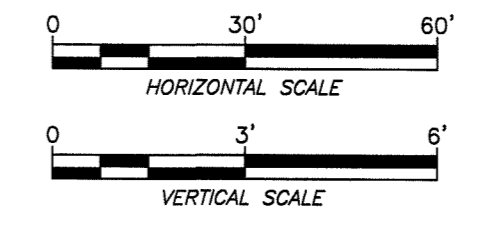
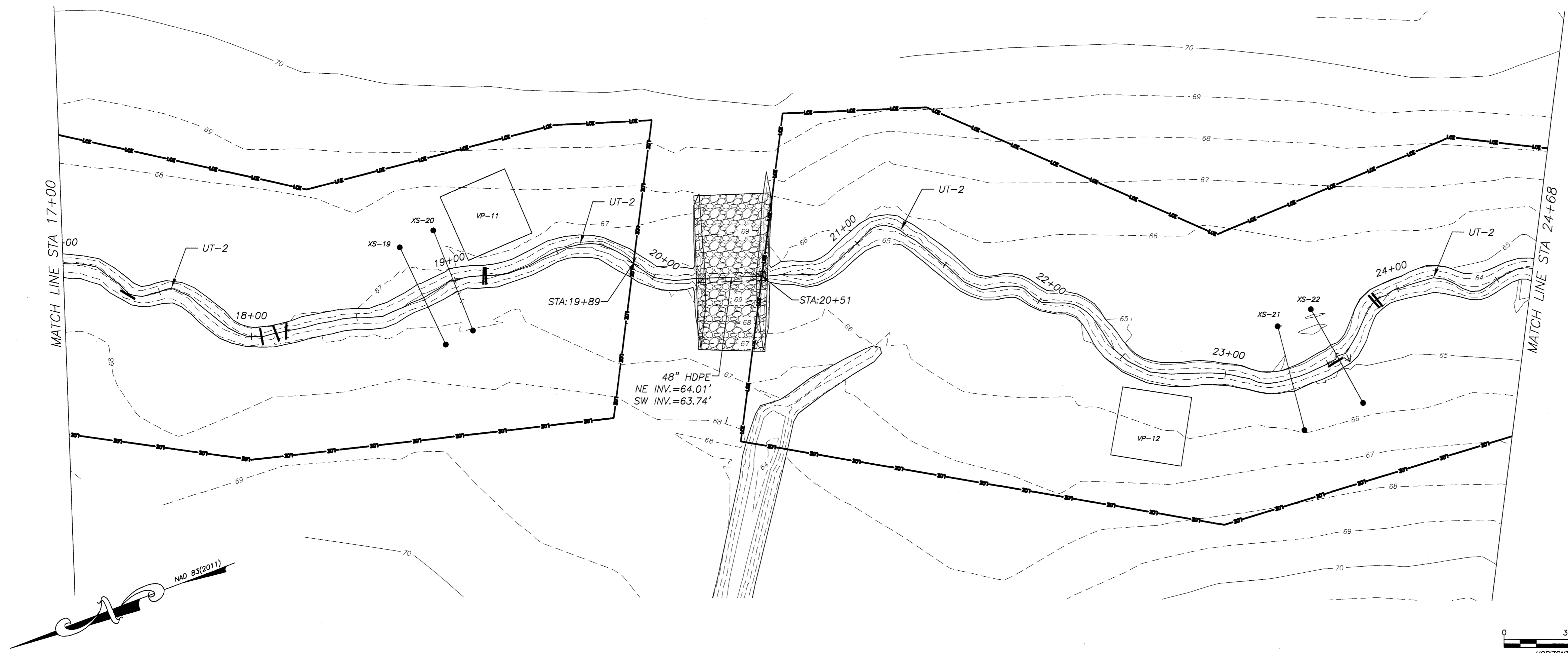
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 UT-2 PLAN & PROFILE (17+00 - 24+68)**

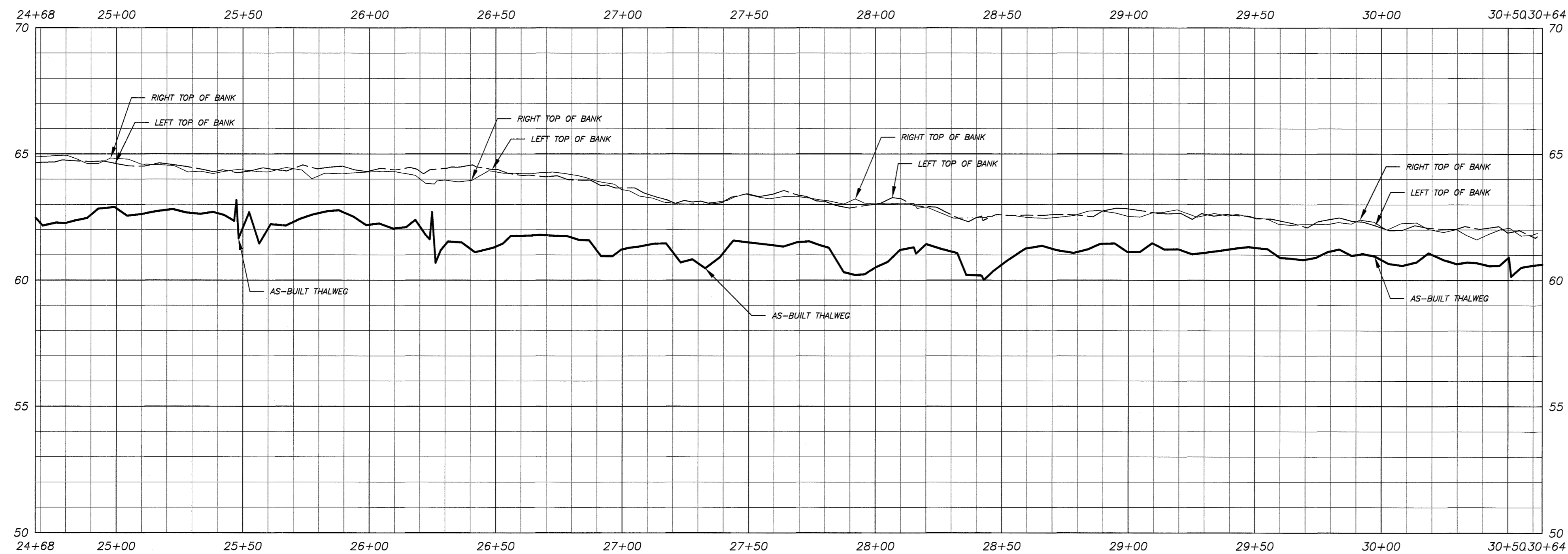
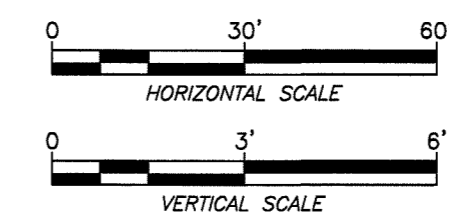
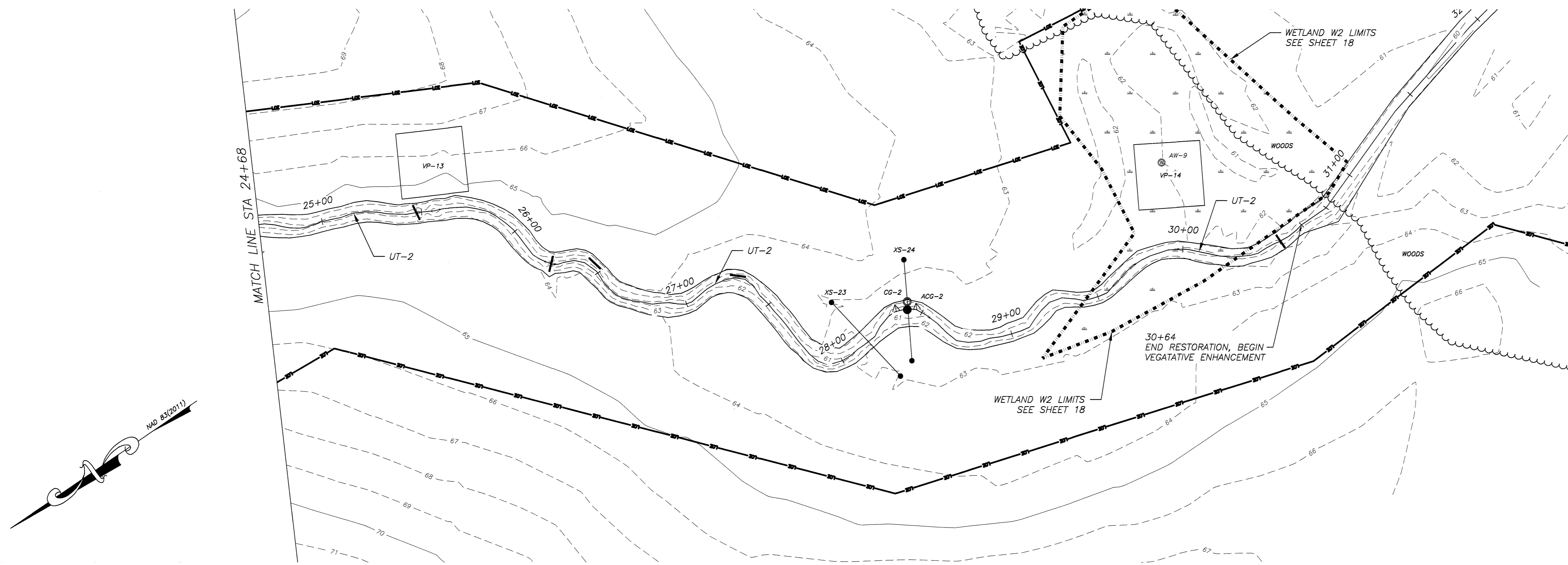


**MATRIX EAST, PLLC**  
 906 N. QUEEN ST., SUITE A  
 KINSTON, NC 28501  
 TEL: 252-522-2500 FAX: 252-522-4747  
 FIRM LIC. # P-0221  
 EMAIL: surveyor@matrixeast.net

**RESOURCE ENVIRONMENTAL SOLUTIONS, LLC**  
 302 JEFFERSON ST., SUITE 110  
 RALEIGH, N.C. 27605

SCALE	1" = 30'	DEPARTMENT	
DRAWN BY	DATE STARTED	SHEET No.	
JRW	8-17-15	11 OF 20	
APPROVED		DRAWING NO.	
JRW			
DRAWING NAME			
BEST ASB			
PROJECT NO.			
			<b>S11</b>
20120072			





SEAL  
 11/16/15  
 NORTH CAROLINA  
 PROFESSIONAL  
 SEAL  
 L-4712  
 LAND SURVEYOR  
 JAMES R. WATSON  
 James R. Watson

**STREAM BASELINE AS-BUILT  
 UT-2 PLAN & PROFILE (24+68 - 30+64)**

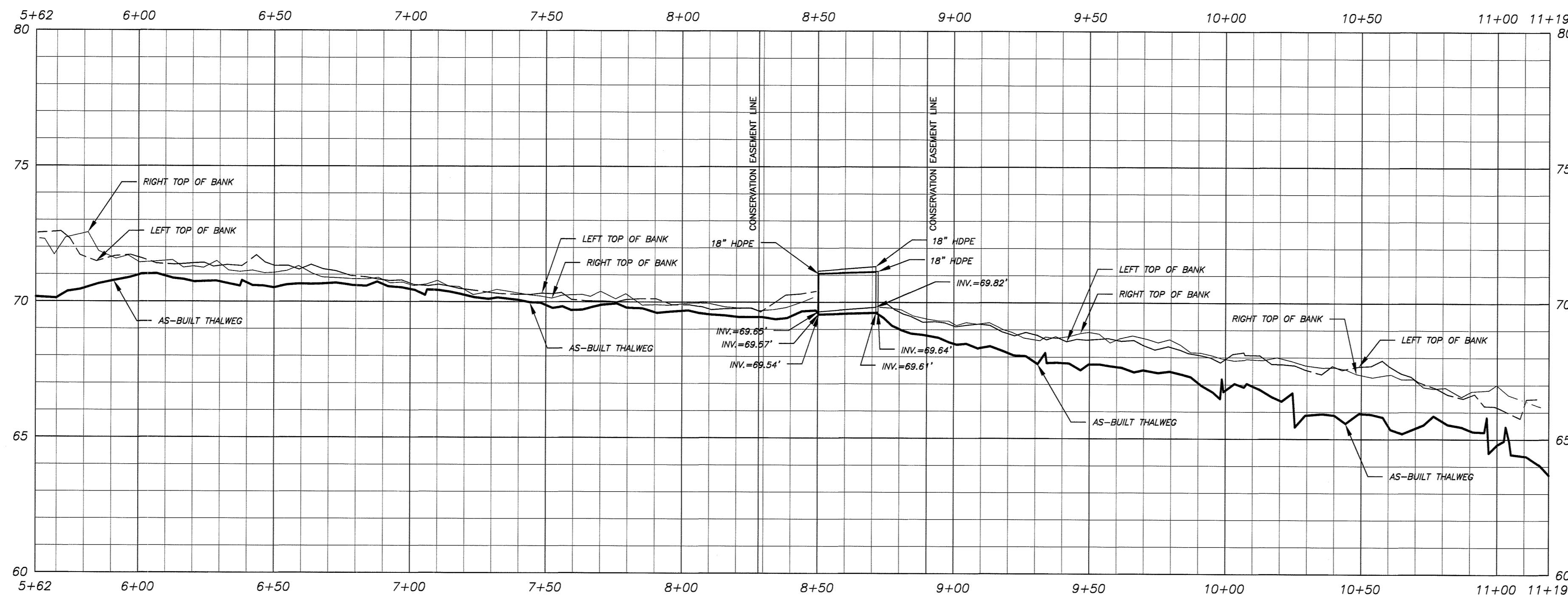
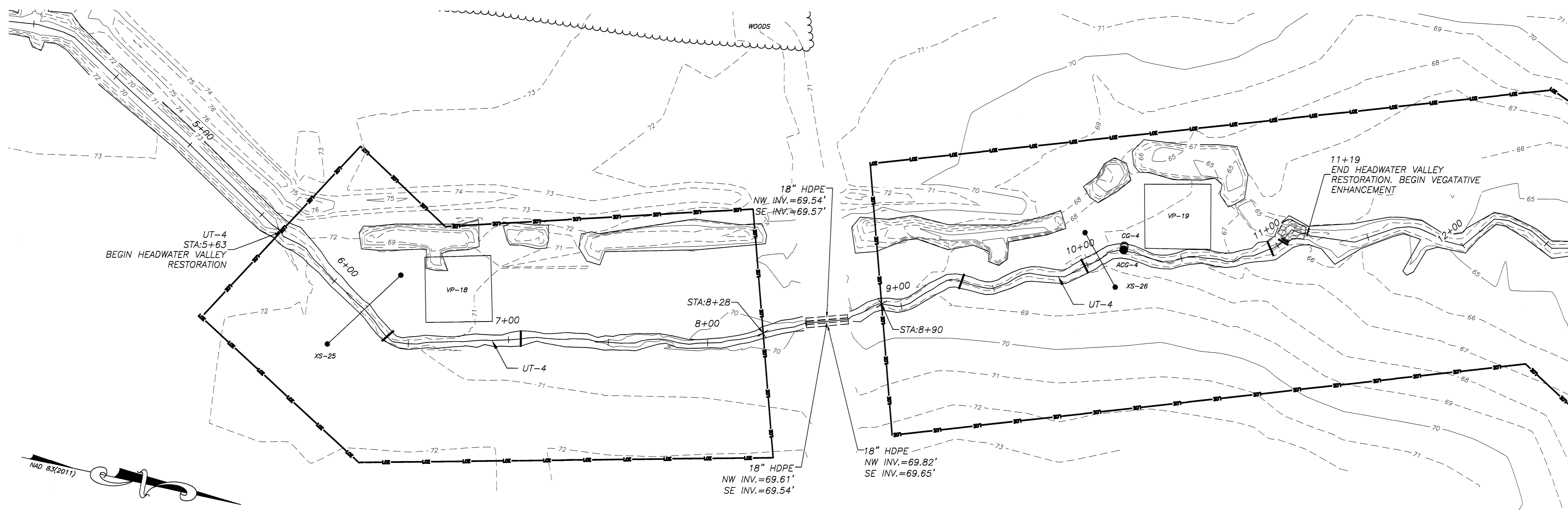
**BEST STREAM & WETLAND  
 RESTORATION PROJECT  
 DUPLIN COUNTY, N.C.**

**MATRIX  
 EAST, PLLC**

906 N. QUEEN ST., SUITE A  
 KINSTON, NC 28501  
 TEL: 252-522-2500 FAX: 252-522-4747  
 FIRM LIC. # P-0221  
 EMAIL: surveyor@matrixeast.net

**RESOURCE  
 ENVIRONMENTAL  
 SOLUTIONS, LLC**  
 302 JEFFERSON ST., SUITE 110  
 RALEIGH, N.C. 27605

SCALE 1" = 30'		DEPARTMENT
DRAWN BY JRW	DATE STARTED 8-17-15	SHEET No. 12 OF 20
APPROVED JRW		DRAWING NO.
DRAWING NAME BEST ASB		<b>S12</b>
PROJECT NO. 20120072		



SEAL  
11/16/15  
NORTH CAROLINA  
PROFESSIONAL  
SURVEYOR  
L-4712  
JAMES R. WATSON

STREAM BASELINE AS-BUILT  
UT-4 PLAN & PROFILE (5+63 - 11+19)

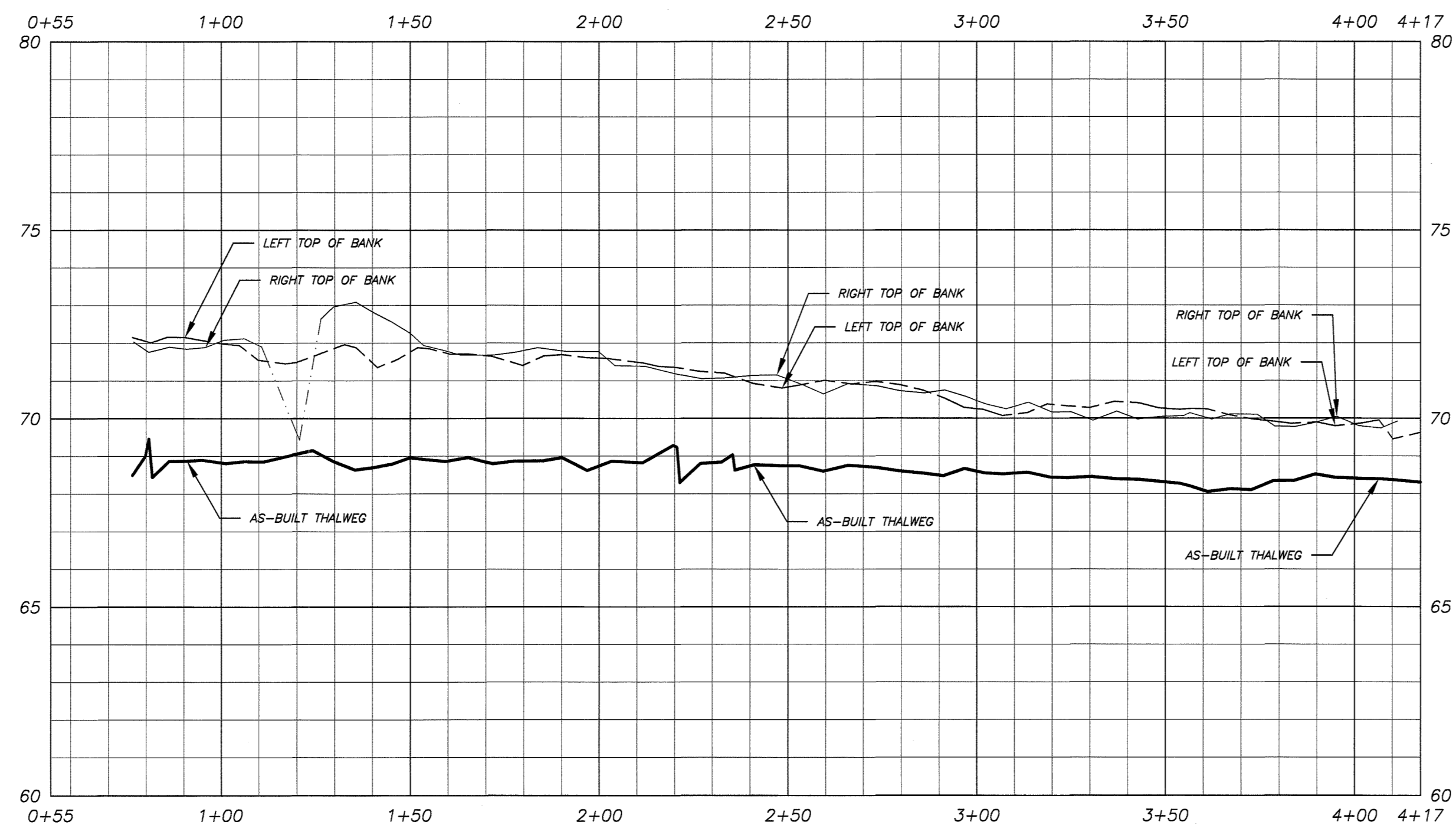
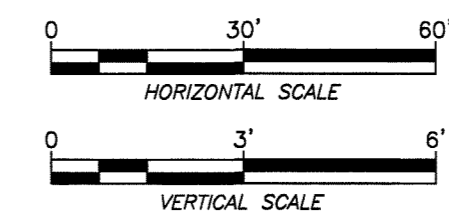
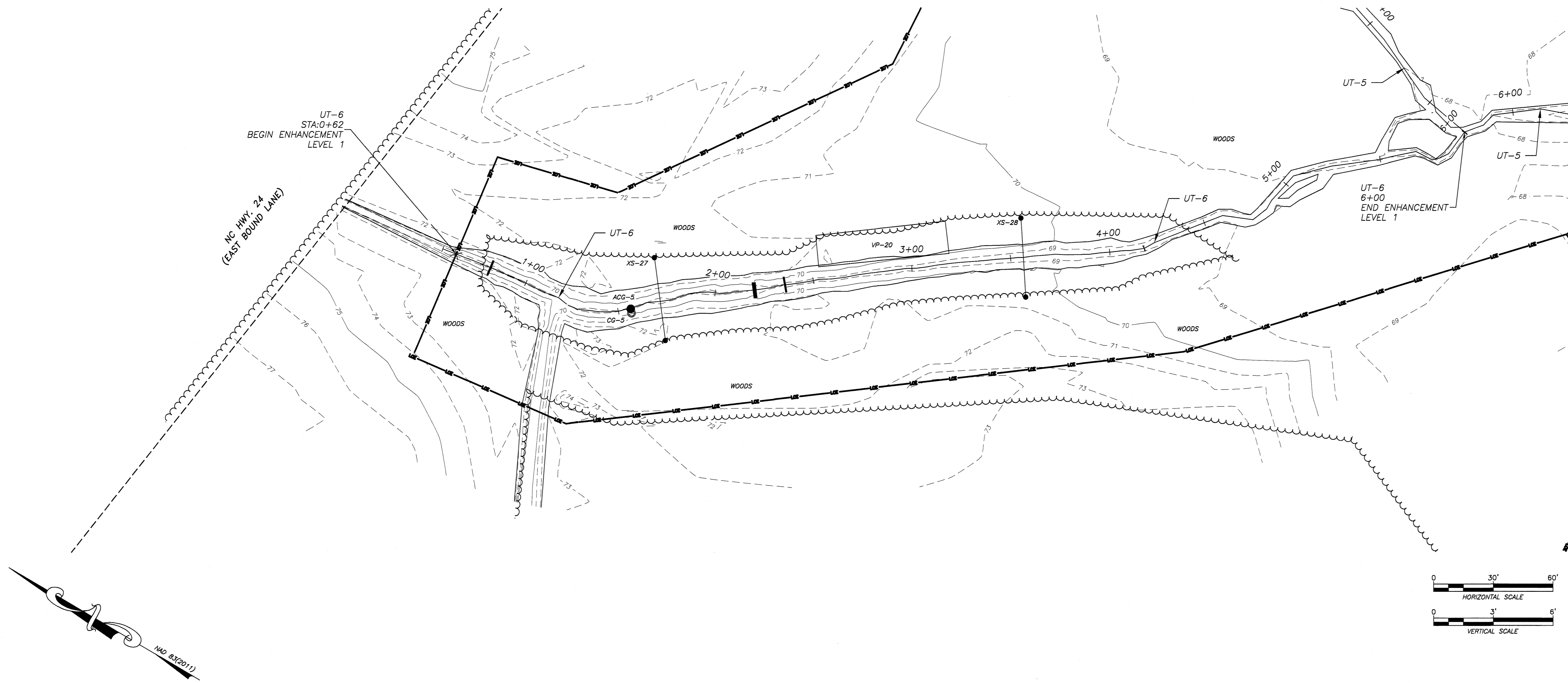
# BEST STREAM & WETLAND RESTORATION PROJECT DUPLIN COUNTY, N.C.



906 N. QUEEN ST., SUITE A  
KINSTON, NC 28501  
TEL: 252-522-2500 FAX: 252-522-4747  
FIRM LIC. # P-0221  
EMAIL: surveyor@matrixeast.net

**RESOURCE ENVIRONMENTAL SOLUTIONS, LLC**  
302 JEFFERSON ST., SUITE 110  
RALEIGH, N.C. 27605

SCALE 1" = 30'	DEPARTMENT
DRAWN BY JRW	DATE STARTED 8-17-15
APPROVED JRW	SHEET No. 13 OF 20
DRAWING NAME BEST ASB	DRAWING NO.
PROJECT NO. 20120072	<b>S13</b>



SEAL  
 11/16/15  
 NORTH CAROLINA  
 PROFESSIONAL  
 SEAL  
 L-4712  
 LAND SURVEYOR  
 JAMES R. WATSON  
 James R. Watson

**STREAM BASELINE AS-BUILT  
 UT-6 PLAN & PROFILE (0+55 - 4+17)**

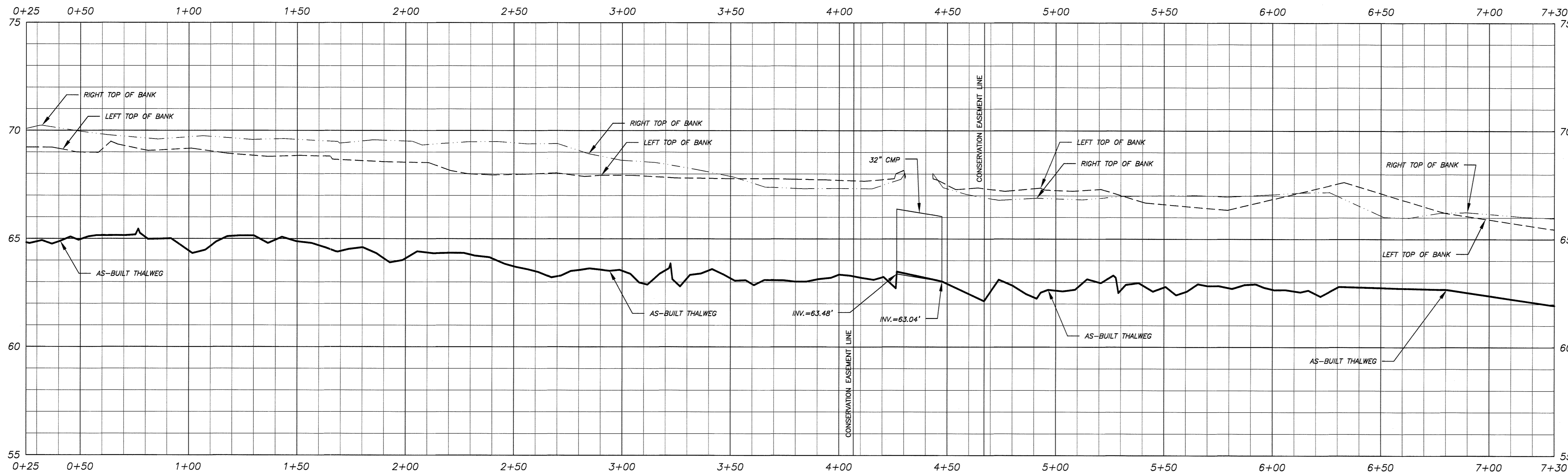
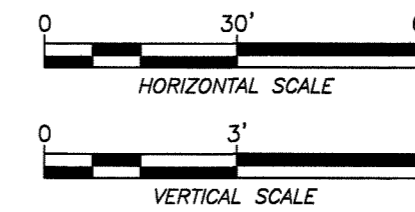
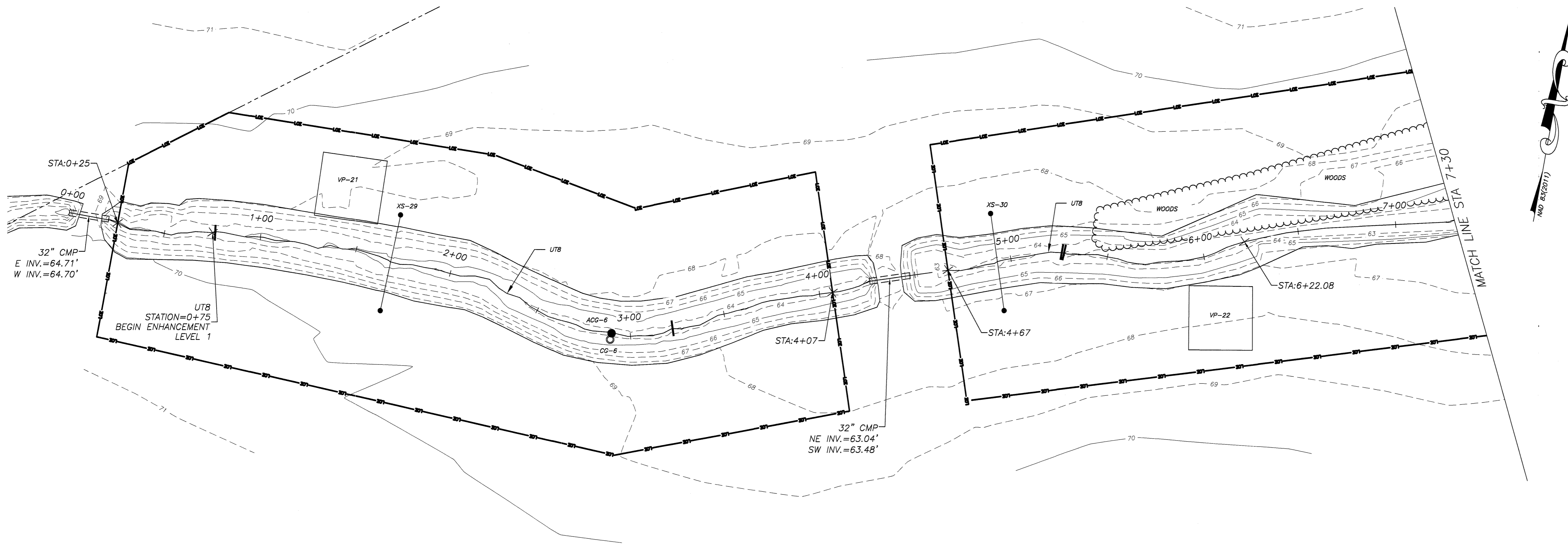
**BEST STREAM & WETLAND  
 RESTORATION PROJECT  
 DUPLIN COUNTY, N.C.**



**MATRIX EAST, PLLC**  
 906 N. QUEEN ST., SUITE A  
 KINSTON, NC 28501  
 TEL: 252-522-2500 FAX: 252-522-4747  
 FIRM LIC. # P-0221  
 EMAIL: surveyor@matrixeast.net

**RESOURCE ENVIRONMENTAL SOLUTIONS, LLC**  
 302 JEFFERSON ST., SUITE 110  
 RALEIGH, N.C. 27605

SCALE 1" = 30'		DEPARTMENT
DRAWN BY JRW	DATE STARTED 8-17-15	SHEET No. 14 OF 20
APPROVED JRW	DRAWING No.	
DRAWING NAME BEST ASB		<b>S14</b>
PROJECT NO. 20120072		



SEAL  
 11/16/15  
 NORTH CAROLINA  
 PROFESSIONAL  
 LAND SURVEYOR  
 L-4712  
 JAMES R. WATSON  
 James R. Watson

**STREAM BASELINE AS-BUILT  
 UT-8 PLAN & PROFILE (0+25 - 7+30)**

**BEST STREAM & WETLAND  
 RESTORATION PROJECT  
 DUPLIN COUNTY, N.C.**

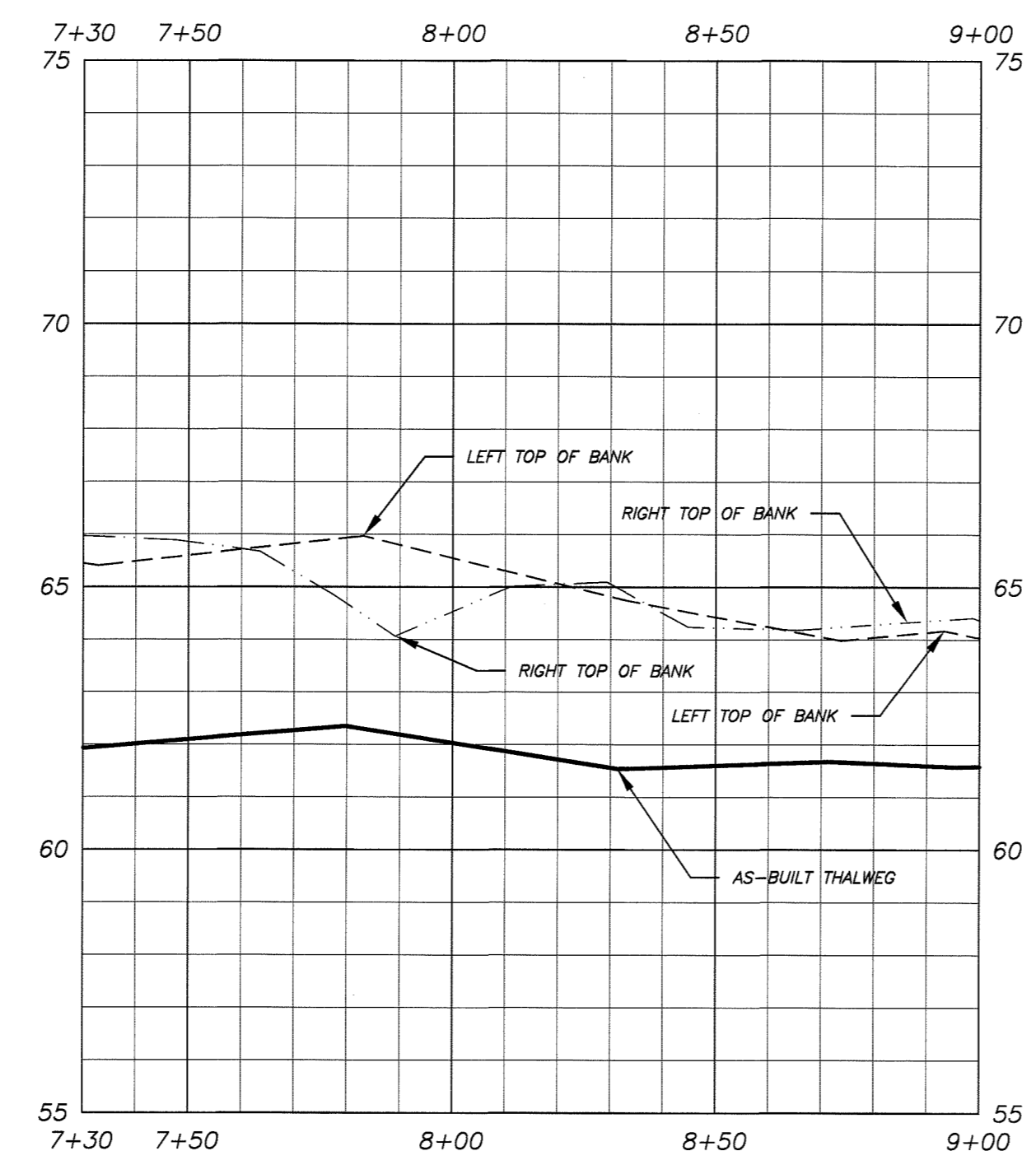
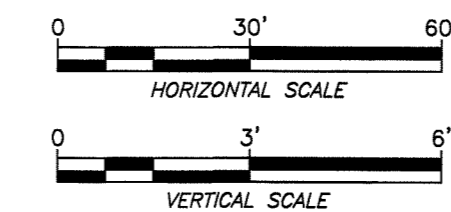
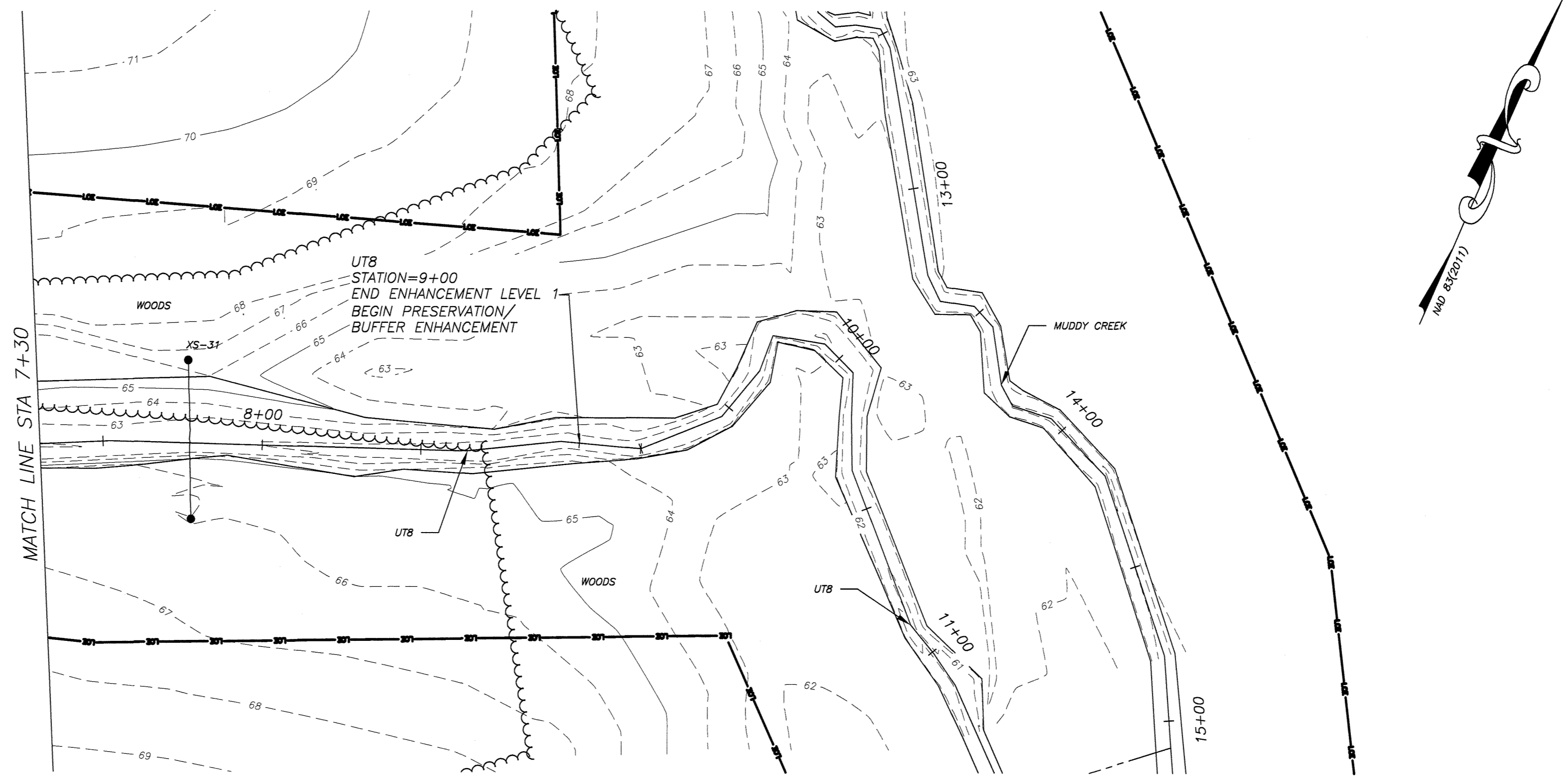
**MATRIX  
 EAST, PLLC**

906 N. QUEEN ST., SUITE A  
 KINSTON, NC 28501  
 TEL: 252-522-2500 FAX: 252-522-4747  
 FIRM LIC. # P-0221  
 EMAIL: surveyor@matrixeast.net

**RESOURCE  
 ENVIRONMENTAL  
 SOLUTIONS, LLC**

302 JEFFERSON ST., SUITE 110  
 RALEIGH, N.C. 27605

SCALE 1" = 30'		DEPARTMENT
DRAWN BY JRW	DATE STARTED 8-17-15	SHEET No. 15 OF 20
APPROVED JRW	DRAWING NO.	
DRAWING NAME BEST ASB		<b>S15</b>
PROJECT NO. 20120072		

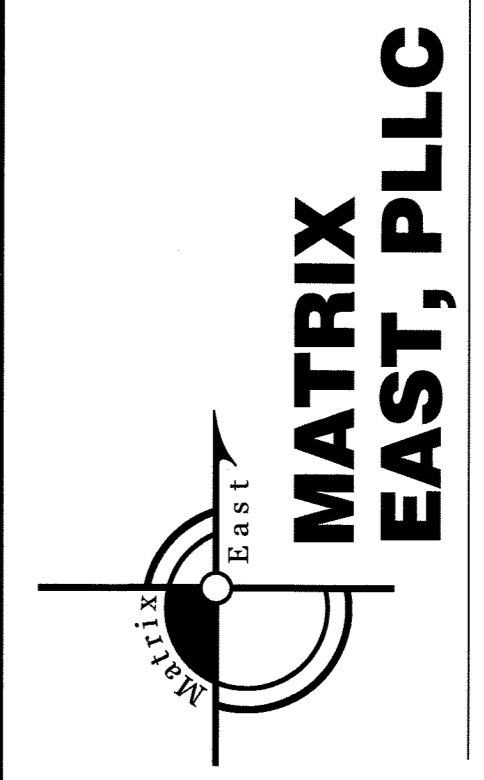


SEAL  
11/16/15  
NORTH CAROLINA  
PROFESSIONAL  
SEAL  
L-4712  
LAND SURVEYOR  
JAMES R. WATSON

James R. Watson

**STREAM BASELINE AS-BUILT  
UT-8 PLAN & PROFILE (7+30 - 9+00)**

**BEST STREAM & WETLAND  
RESTORATION PROJECT  
DUPLIN COUNTY, N.C.**

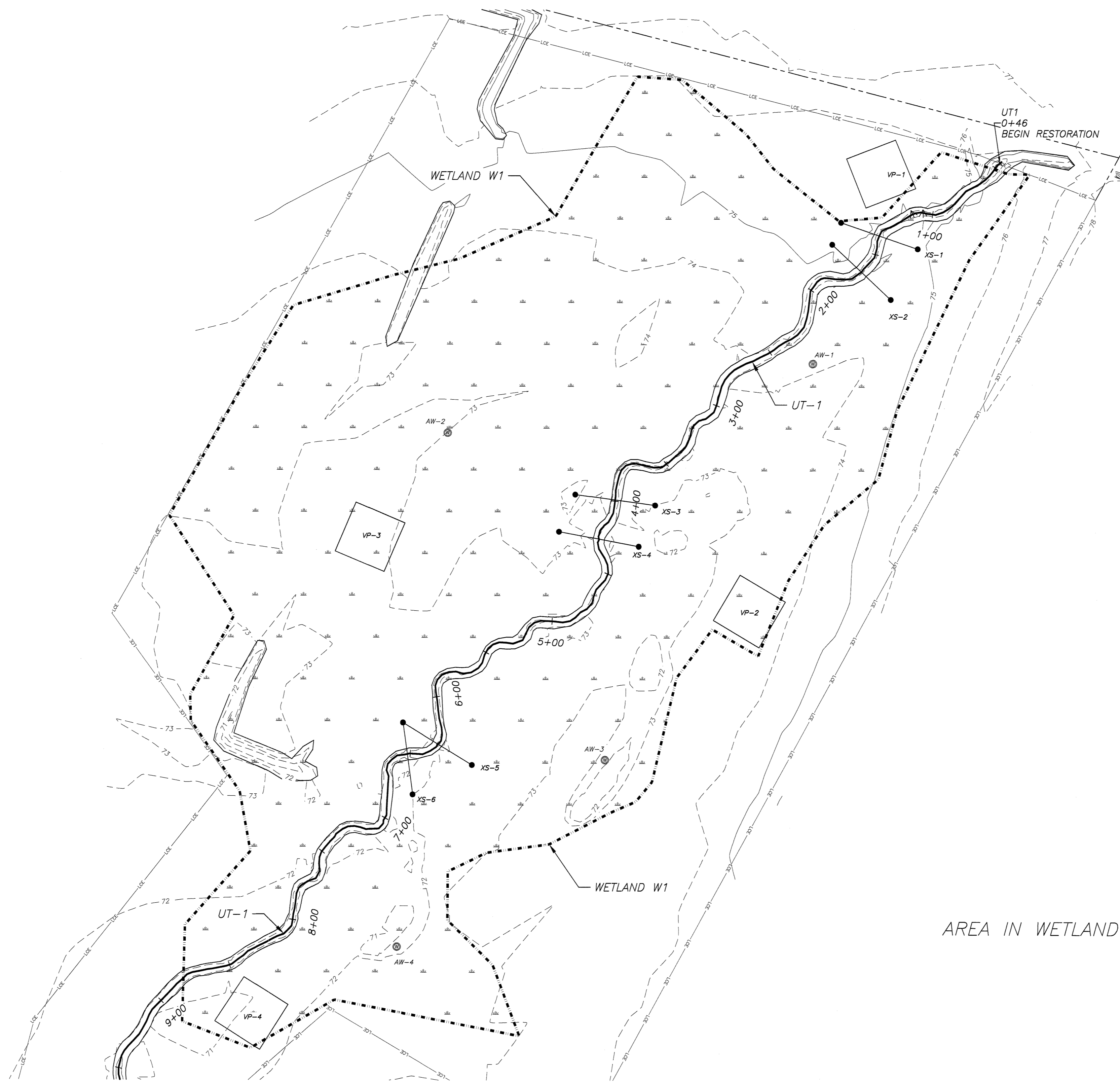


906 N. QUEEN ST., SUITE A  
KINSTON, NC 28501  
TEL: 252-522-2500 FAX: 252-522-4747  
FIRM LIC. # P-0221  
EMAIL: surveyor@matrixeast.net

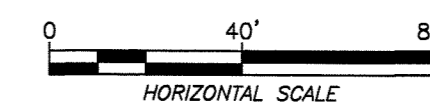
**RESOURCE ENVIRONMENTAL SOLUTIONS, LLC**  
302 JEFFERSON ST., SUITE 110  
RALEIGH, N.C. 27605

SCALE 1" = 30'		DEPARTMENT
DRAWN BY JRW	DATE STARTED 8-17-15	SHEET No. 16 OF 20
APPROVED JRW		DRAWING NO.
DRAWING NAME BEST ASB		<b>S16</b>
PROJECT NO. 20120072		





AREA IN WETLAND W1=3.77 AC.±



SEAL  
11/6/15  
NORTH CAROLINA  
PROFESSIONAL  
LAND SURVEYOR  
L-4712  
JAMES R. WATSON  
James R. Watson

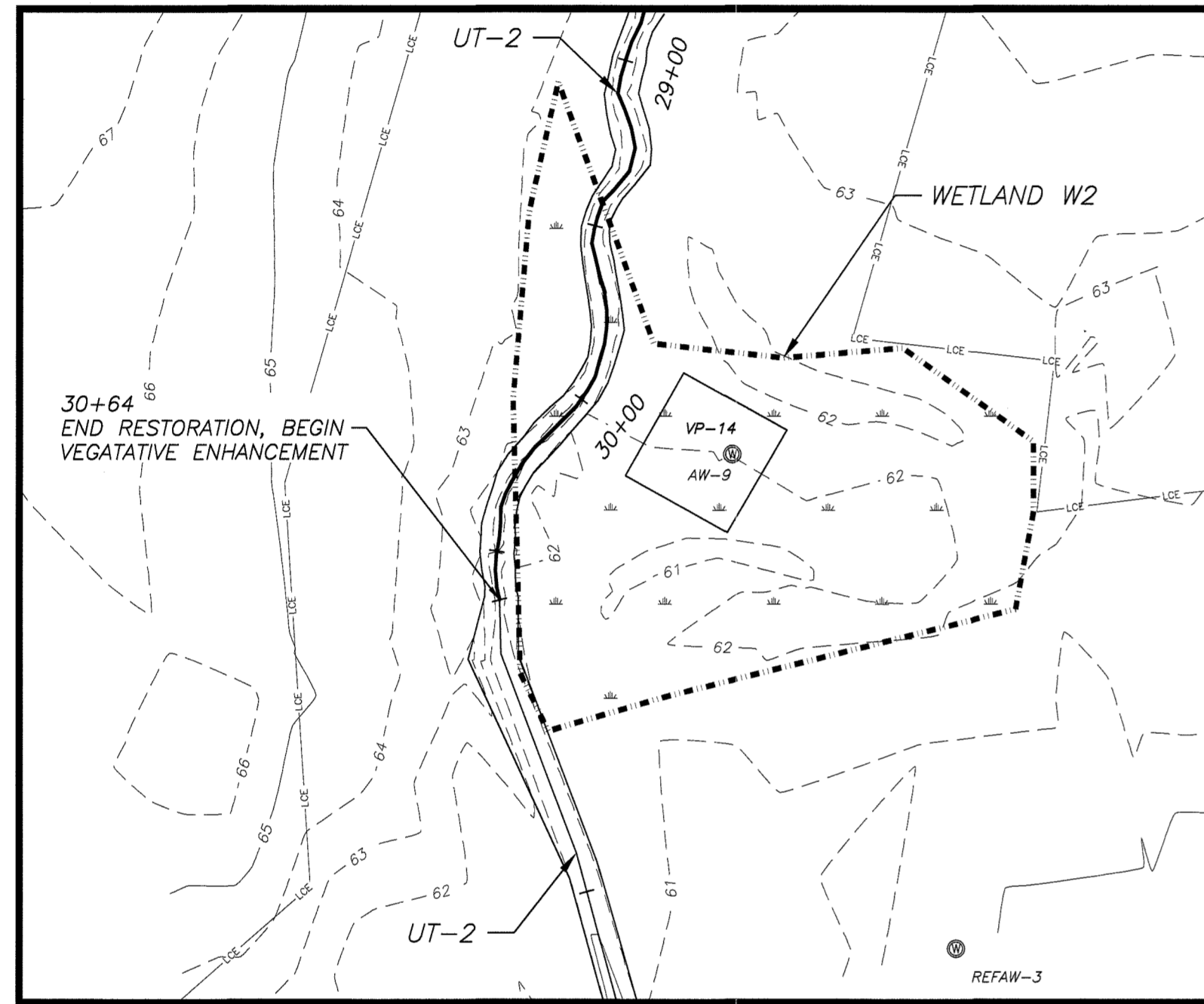
**WETLAND W1 DETAIL**  
**BEST STREAM & WETLAND RESTORATION PROJECT**  
**DUPLIN COUNTY, N.C.**

**MATRIX EAST, PLLC**  
906 N. QUEEN ST., SUITE A  
KINSTON, NC 28501  
TEL: 252-522-2500 FAX: 252-522-4747  
FIRM LIC. # P-0221  
EMAIL: surveyor@matrixeast.net

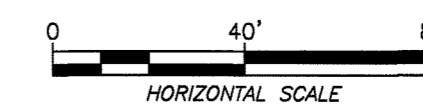
**RESOURCE ENVIRONMENTAL SOLUTIONS, LLC**  
302 JEFFERSON ST., SUITE 110  
RALEIGH, N.C. 27605

SCALE	1" = 40'	DEPARTMENT	
DRAWN BY	DATE STARTED	SHEET No.	
JRW	8-17-15	17 OF 20	
APPROVED		DRAWING NO.	
JRW			
DRAWING NAME			
BEST ASB			
PROJECT NO.			
20120072			

**S17**



AREA IN:  
 WETLAND W2=0.31 AC.±  
 WETLAND W3A=0.58 AC.±  
 WETLAND W3B=0.59 AC.±



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 SEAL  
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 LAND SURVEYOR  
 JAMES R. WATSON  
 James R. Watson

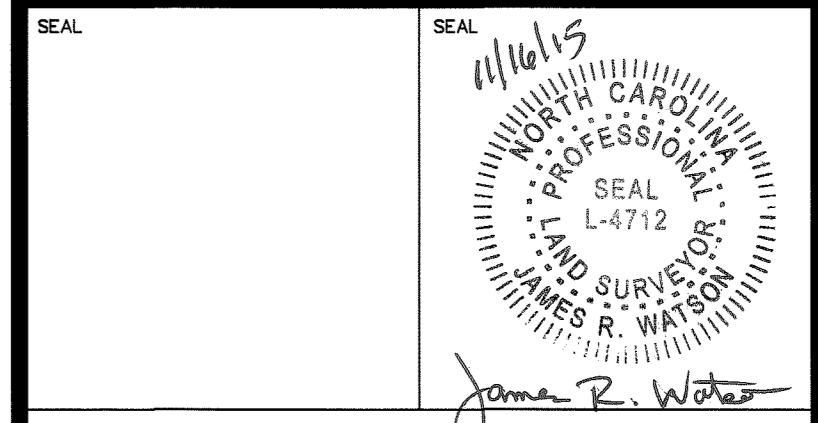
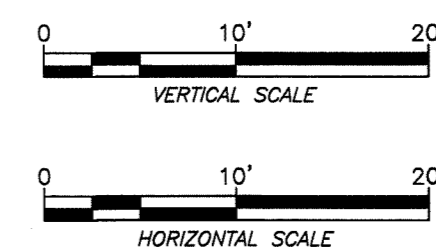
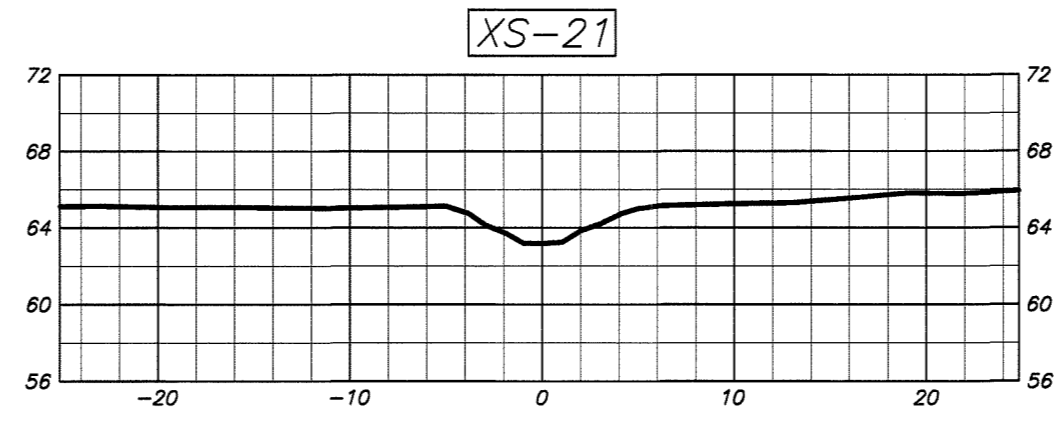
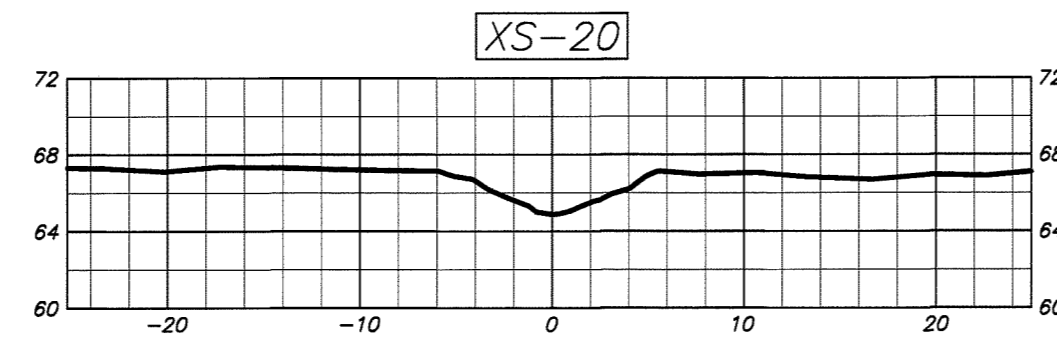
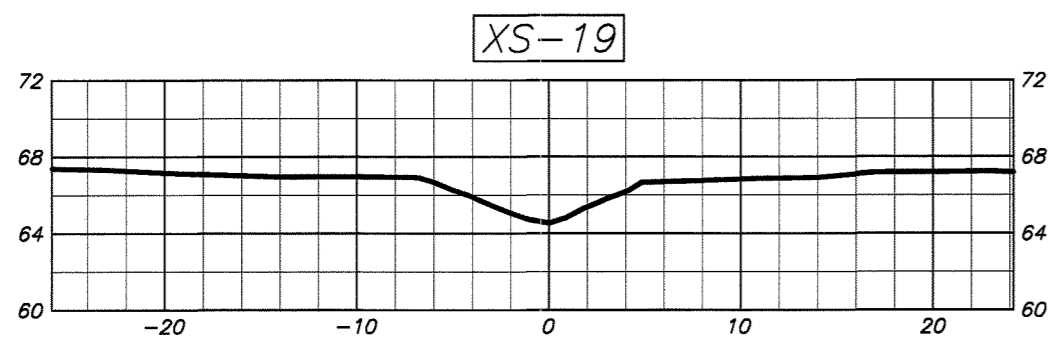
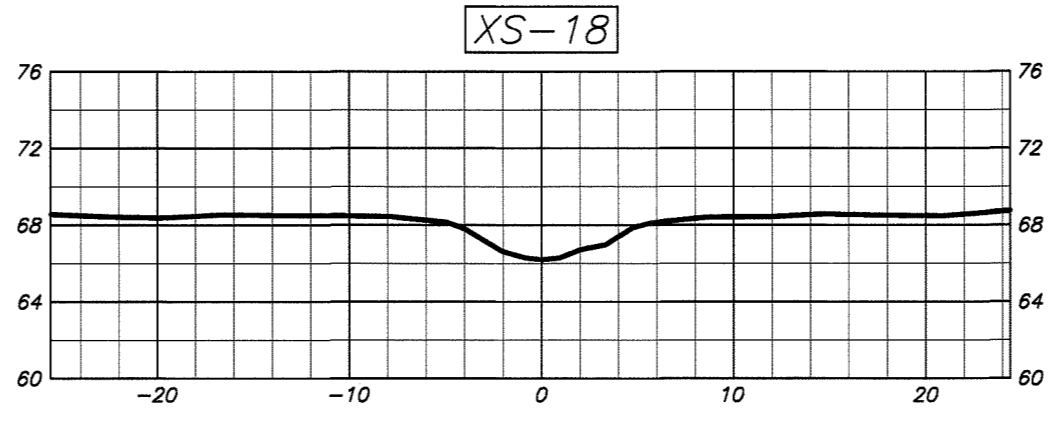
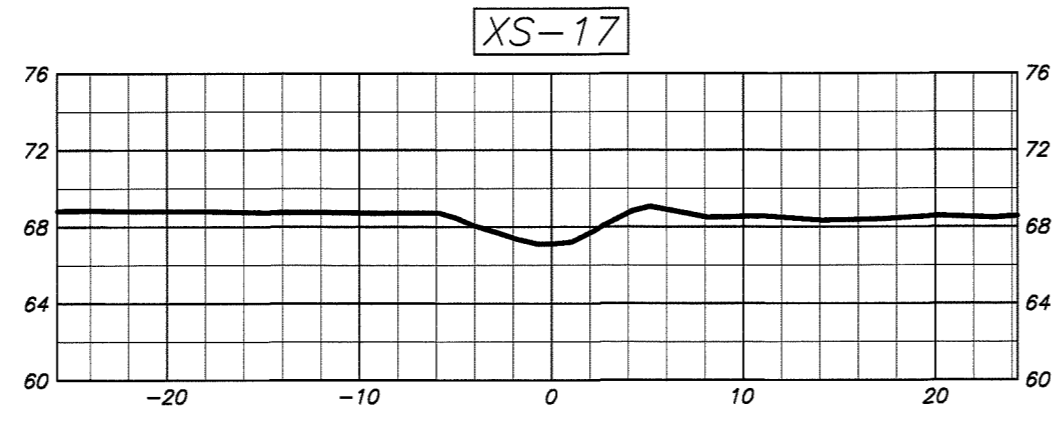
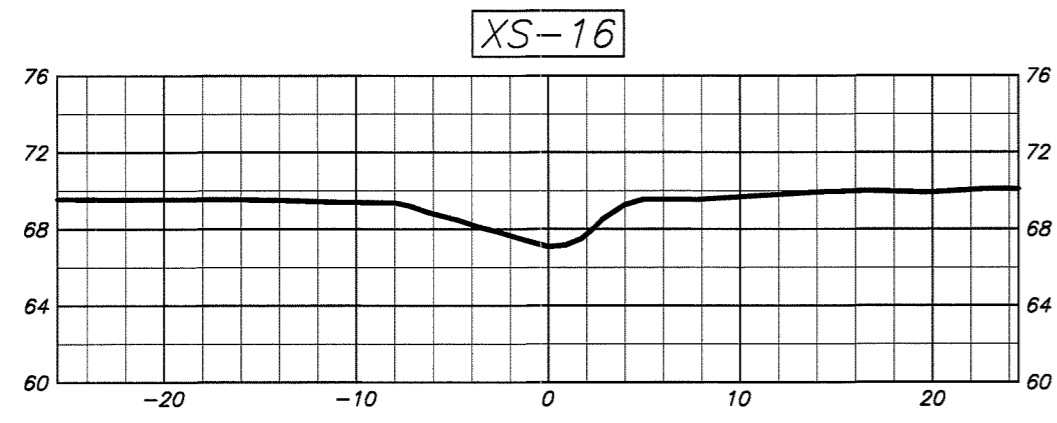
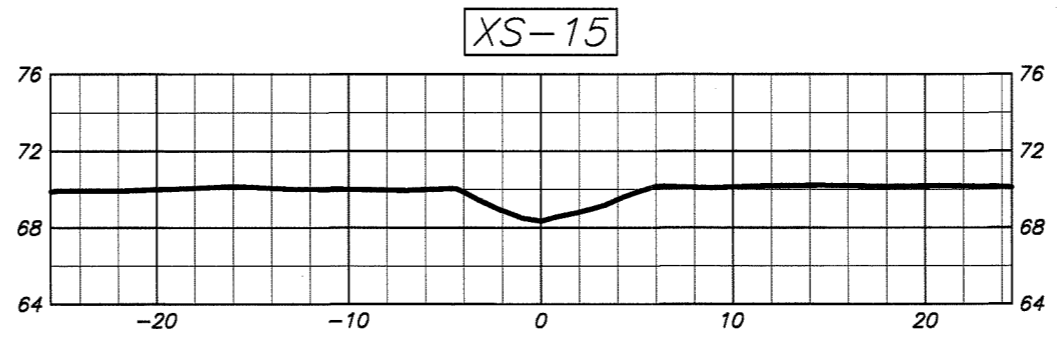
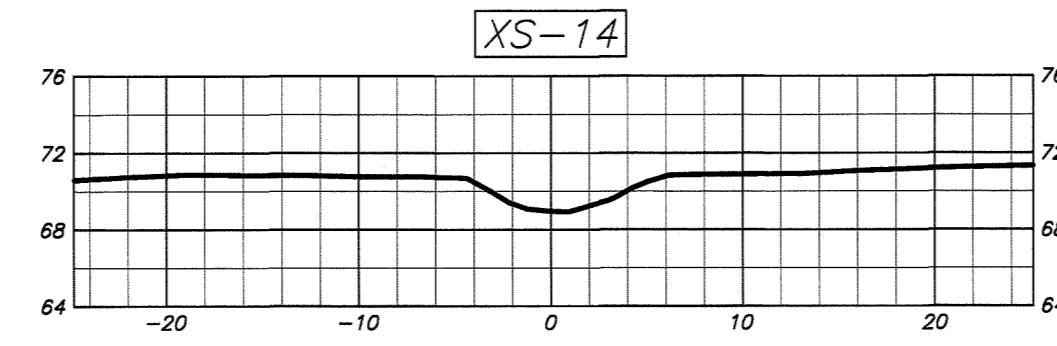
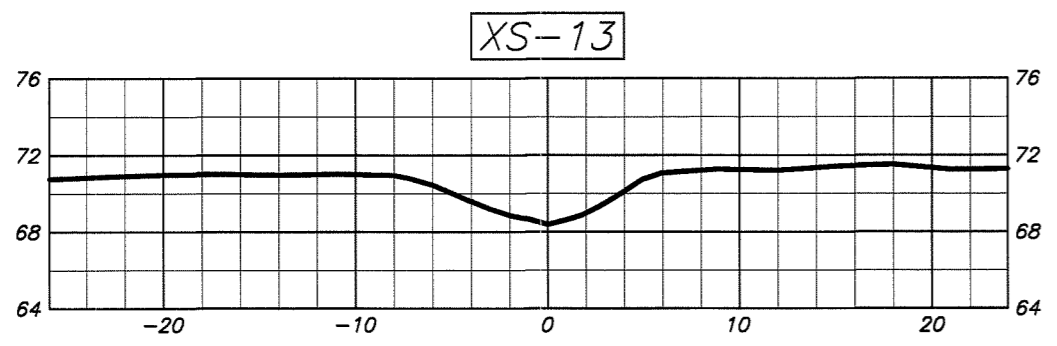
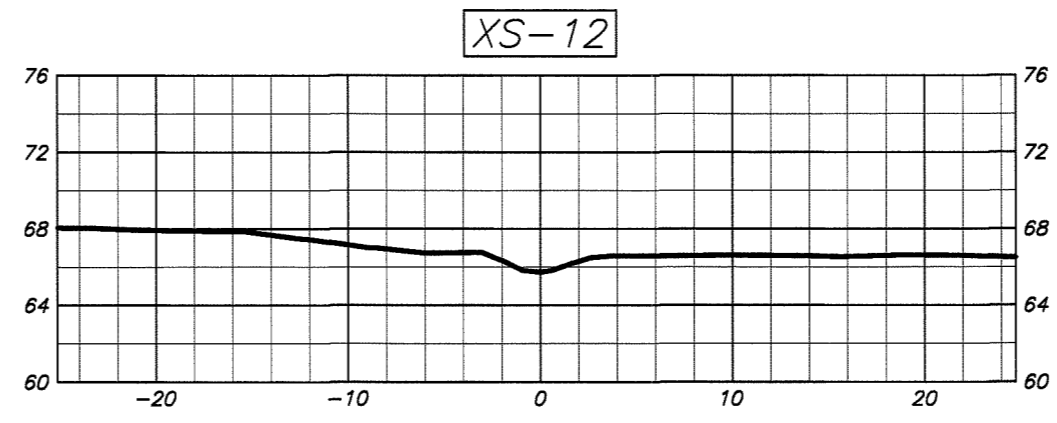
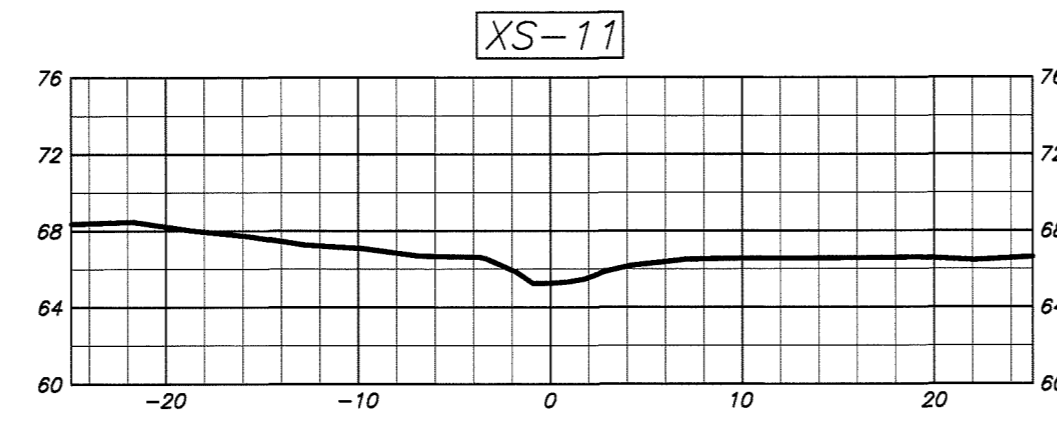
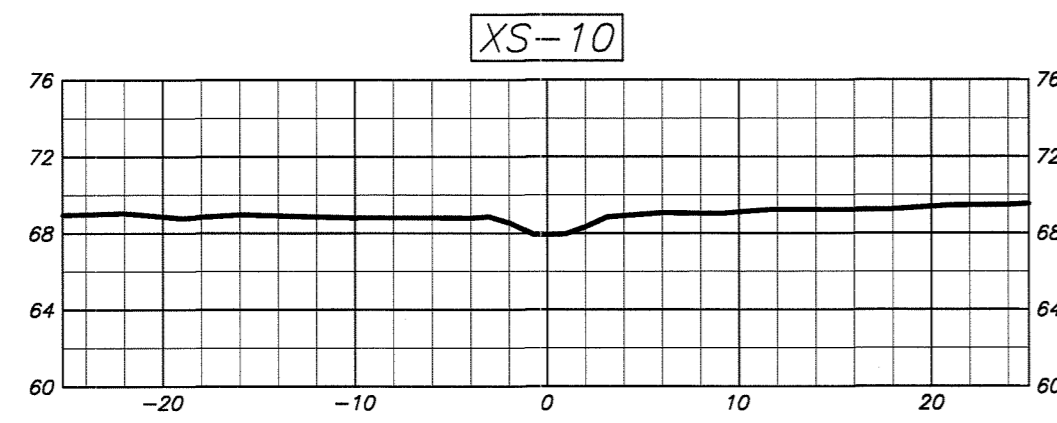
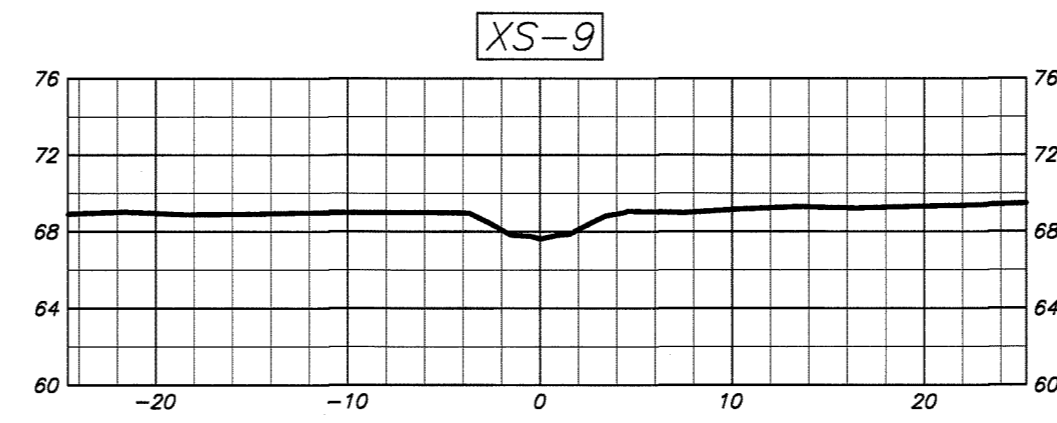
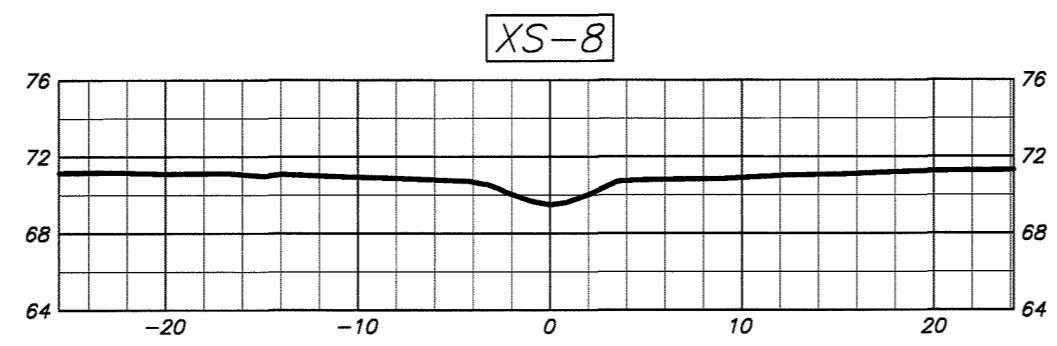
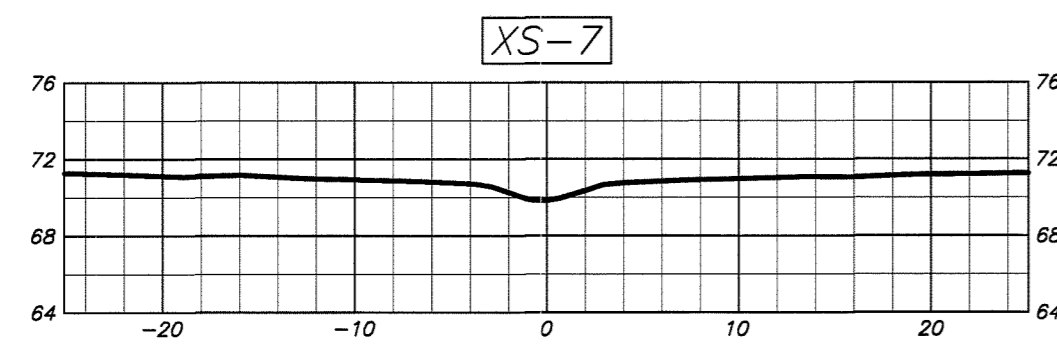
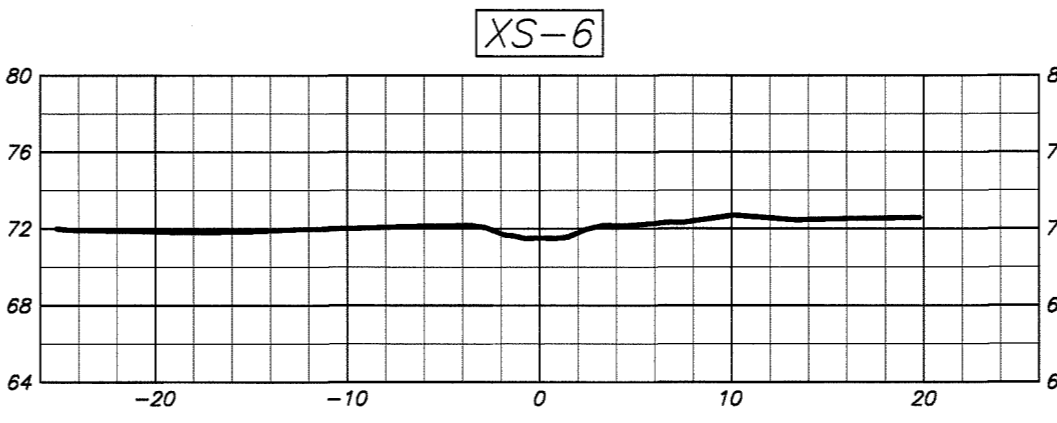
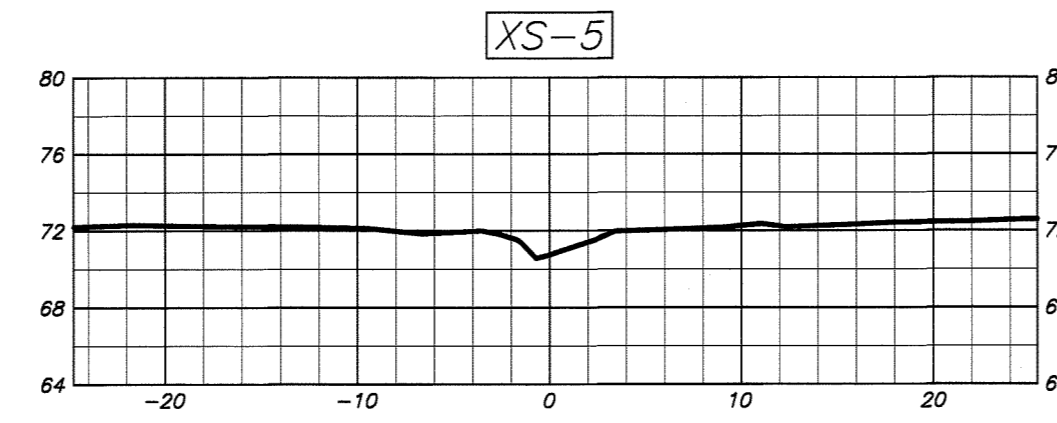
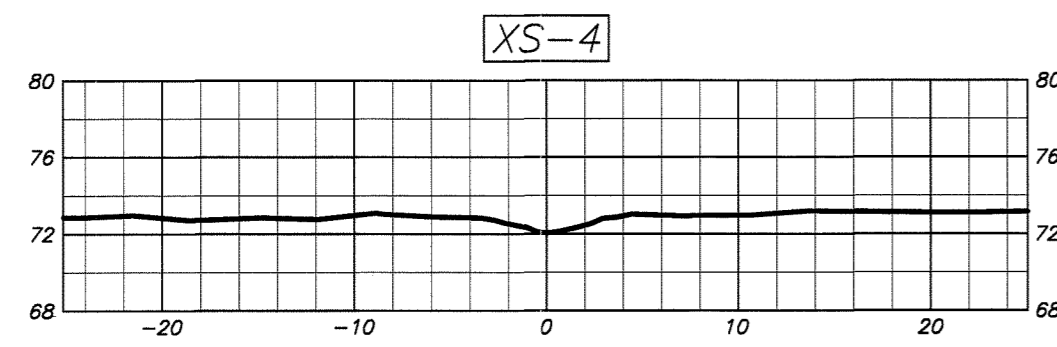
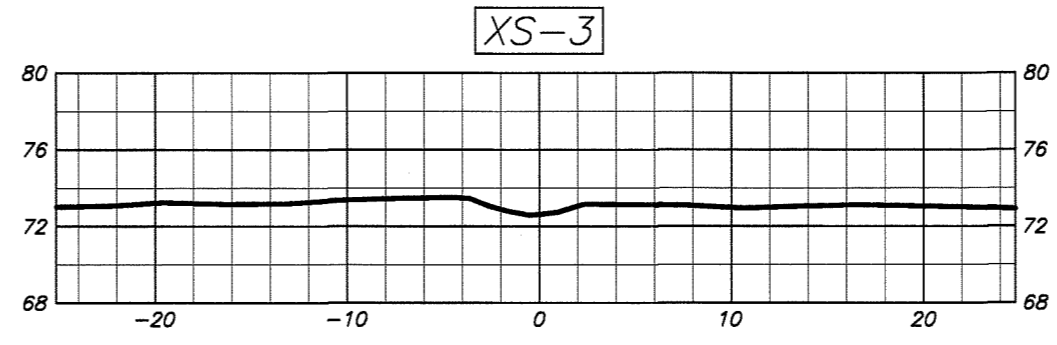
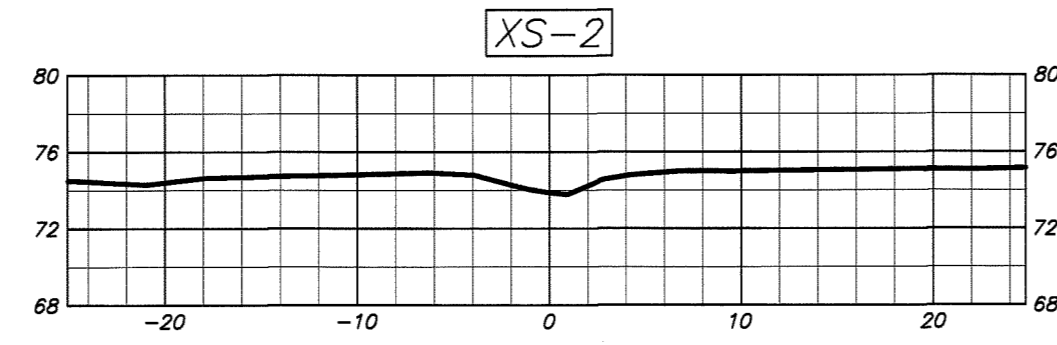
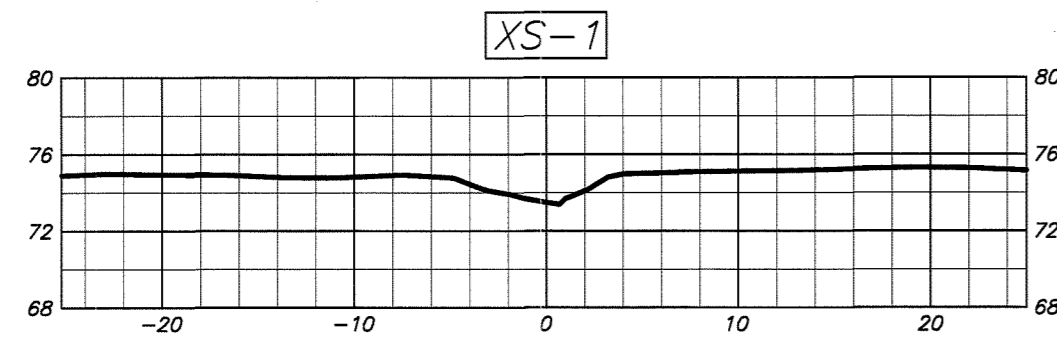
**WETLAND W2, W3A, & W3B DETAIL**  
**BEST STREAM & WETLAND RESTORATION PROJECT**  
**DUPLIN COUNTY, N.C.**



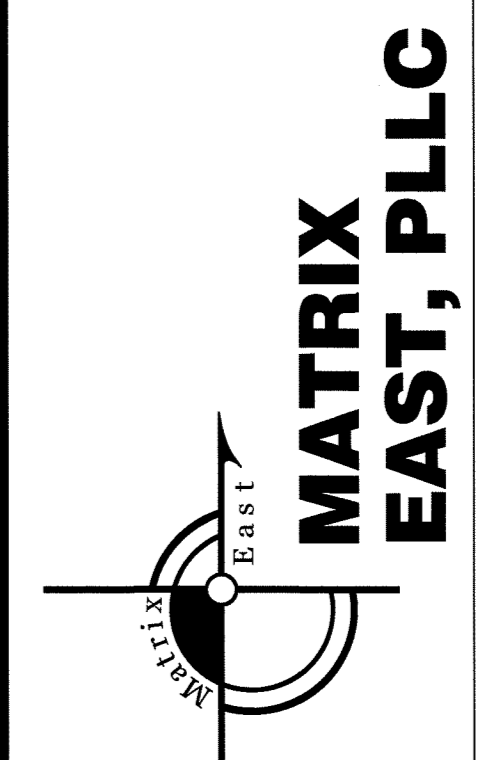
906 N. QUEEN ST., SUITE A  
 KINSTON, NC 28501  
 TEL: 252-522-2500 FAX: 252-522-4747  
 FIRM LIC. # P-0221  
 EMAIL: surveyor@matrixeast.net

**RESOURCE ENVIRONMENTAL SOLUTIONS, LLC**  
 302 JEFFERSON ST., SUITE 110  
 RALEIGH, N.C. 27605

SCALE 1" = 40'		DEPARTMENT
DRAWN BY JRW	DATE STARTED 8-17-15	SHEET No. 18 OF 20
APPROVED JRW		DRAWING NO.
DRAWING NAME BEST ASB		<b>S18</b>
PROJECT NO. 20120072		



**STREAM CROSS-SECTIONS (XS-1 THROUGH XS-21)**  
**BEST STREAM & WETLAND RESTORATION PROJECT**  
**DUPLIN COUNTY, N.C.**



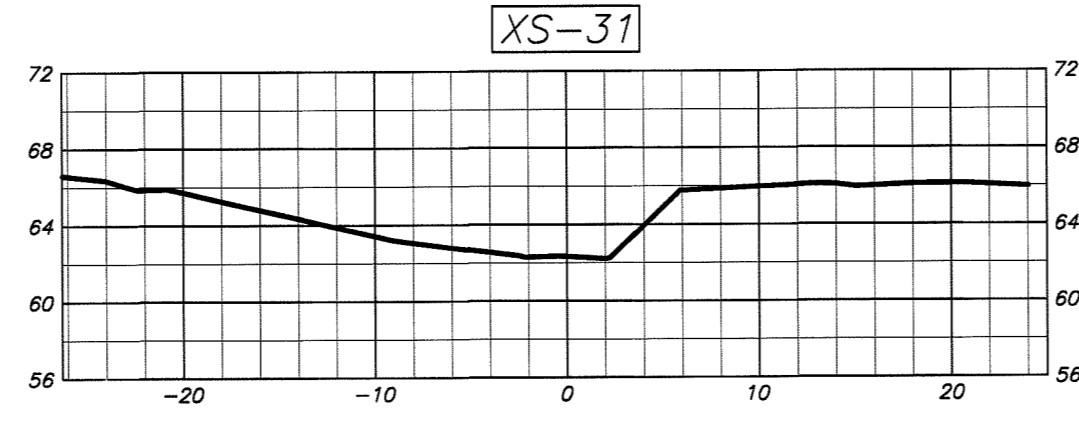
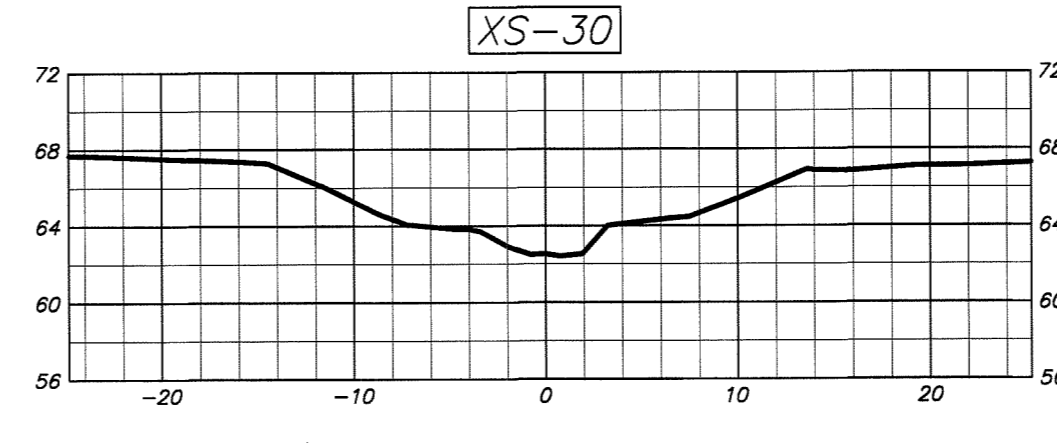
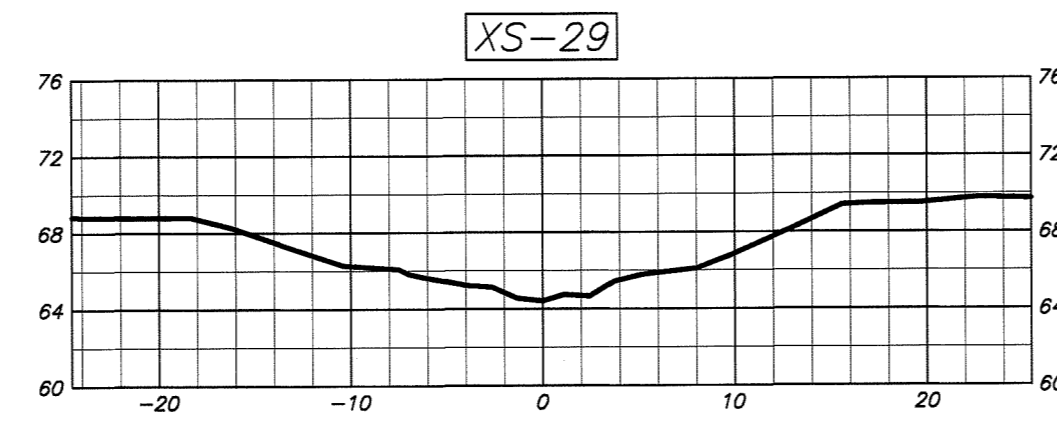
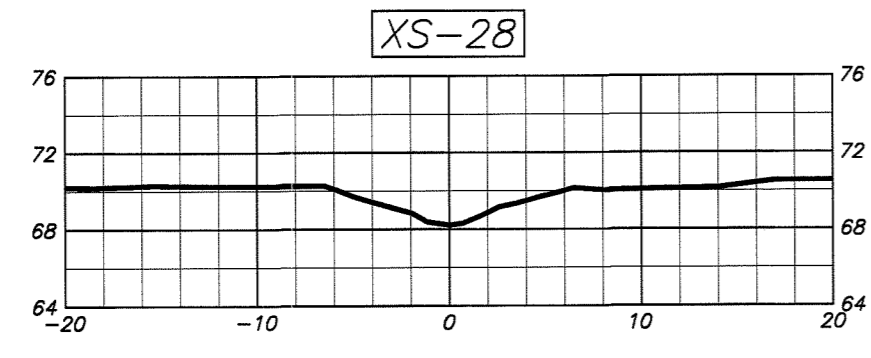
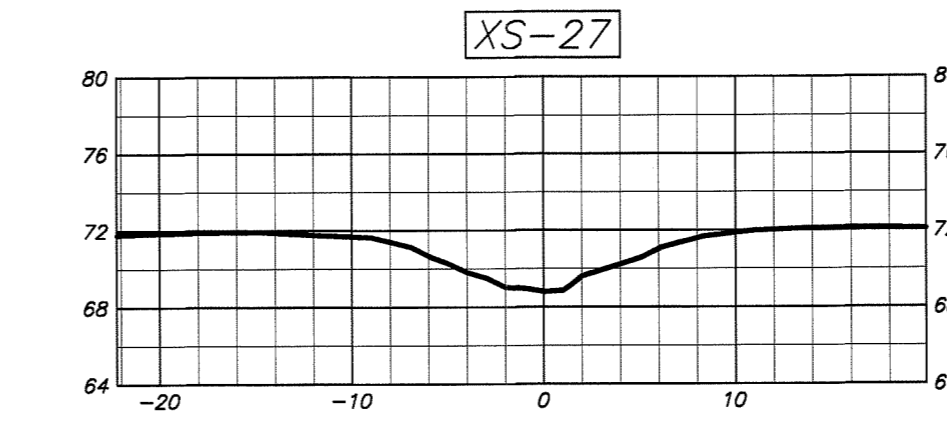
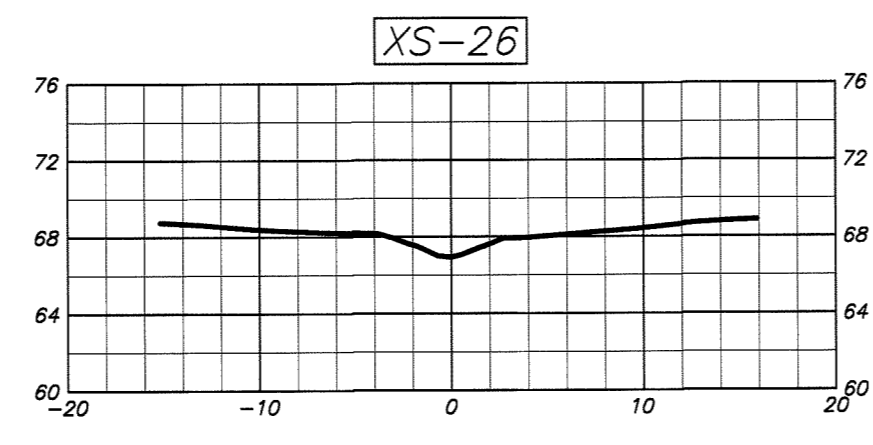
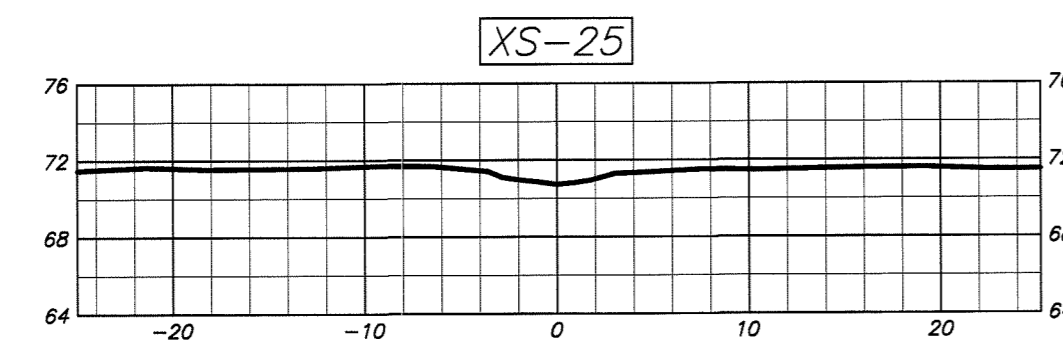
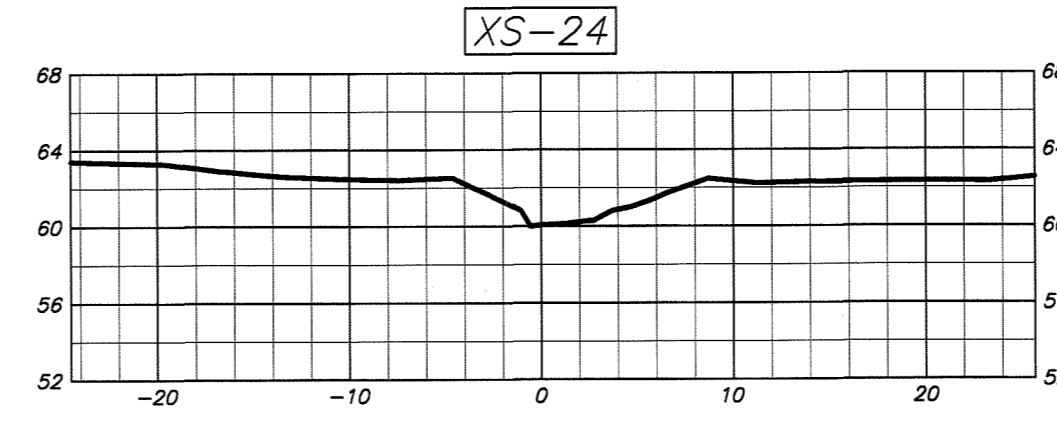
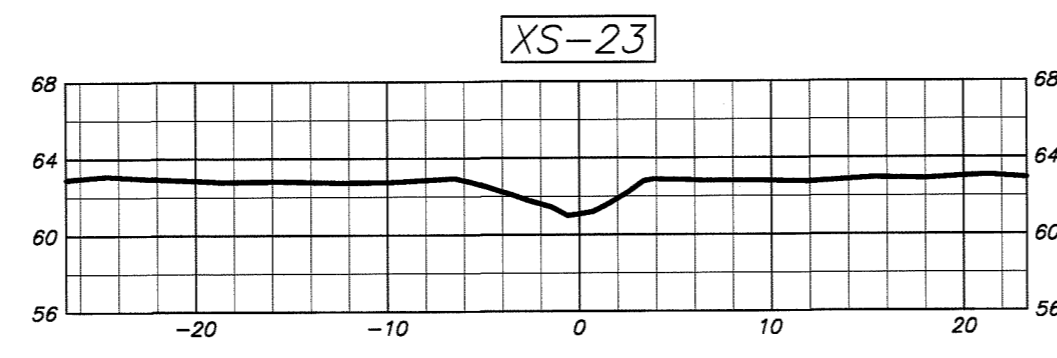
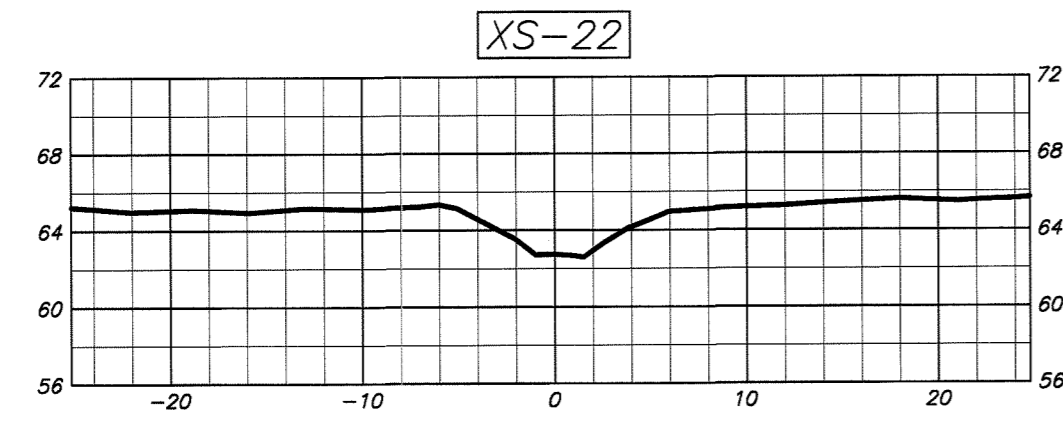
**MATRIX EAST, PLLC**  
 906 N. QUEEN ST., SUITE A  
 KINSTON, NC 28501  
 TEL: 252-522-2500 FAX: 252-522-4747  
 FIRM LIC. # P-0221  
 EMAIL: surveyor@matrixeast.net

**RESOURCE ENVIRONMENTAL SOLUTIONS, LLC**  
 302 JEFFERSON ST., SUITE 110  
 RALEIGH, N.C. 27605

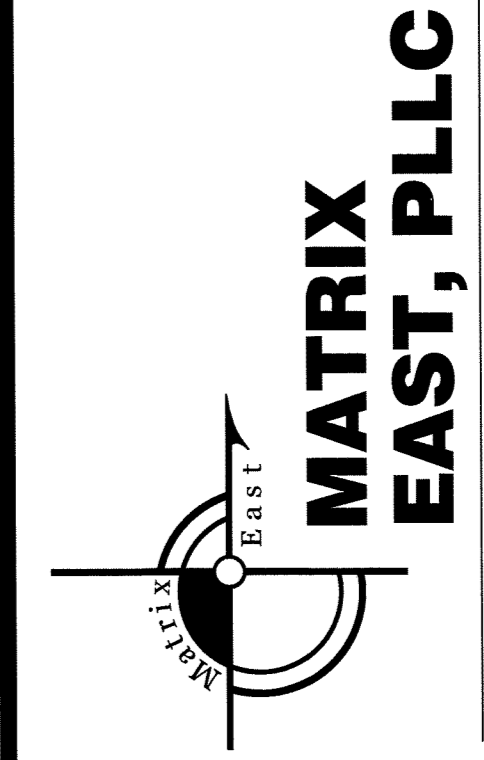
SCALE	1" = 10'	DEPARTMENT	
DRAWN BY	JRW	DATE STARTED	8-17-15
APPROVED	JRW	SHEET No.	19 OF 20
DRAWING NAME	BEST ASB	DRAWING NO.	
PROJECT NO.	20120072		

**S19**

SEAL  
 11/14/15  
 NORTH CAROLINA  
 PROFESSIONAL  
 SEAL  
 L-4712  
 LAND SURVEYOR  
 JAMES R. WATSON  
 James R. Watson



**STREAM CROSS-SECTIONS (XS-22 THROUGH XS-31)**  
**BEST STREAM & WETLAND RESTORATION PROJECT**  
**DUPLIN COUNTY, N.C.**



**MATRIX EAST, PLLC**  
 906 N. QUEEN ST., SUITE A  
 KINSTON, NC 28501  
 TEL: 252-522-2500 FAX: 252-522-4747  
 FIRM LIC. # P-0221  
 EMAIL: surveyor@matrixeast.net

**RESOURCE ENVIRONMENTAL SOLUTIONS, LLC**  
 302 JEFFERSON ST., SUITE 110  
 RALEIGH, N.C. 27605

SCALE	1" = 10'	DEPARTMENT	
DRAWN BY	JRW	DATE STARTED	8-17-15
APPROVED	JRW	SHEET No.	20 OF 20
DRAWING NAME	BEST ASB	DRAWING NO.	
PROJECT NO.	20120072		

**S20**

