

# AS-BUILT SURVEY OF SOUTH MUDDY CREEK STREAM RESTORATION

SCO# 05-06667-01

**REFERENCES:**

**OWNER:**  
NORTH CAROLINA ECOSYSTEM ENHANCEMENT PROGRAM  
1652 MAIL SERVICE CENTER  
RALEIGH, NC 27099-1652  
(919)715-0476  
EEP PROJ. MGR.: PAUL WIESNER  
EEP REVIEW COORDINATOR: LIN XU

**CONTRACTOR:**  
CAROLINA ENVIRONMENTAL CONTRACTING, INC.  
MT. AIRY, NC  
(336)320-3849

**DESIGNER:**  
MICHAEL BAKER ENGINEERING, INC.  
CHARLOTTE, NC  
(704)334-4454  
EXISTING CONDITIONS & BOUNDARY INFORMATION PROVIDED BY DESIGNER

**GENERAL NOTES**

1. ALL DISTANCES ARE HORIZONTAL UNLESS OTHERWISE NOTED.
2. THE VERTICAL DATUM IS NAVD 88.
3. THE BASIS OF BEARINGS IS NCGS STATE PLANE GRID COORDINATES NAD83 DATUM.
4. THIS MAP IS NOT FOR RECORDATION, SALES, OR CONVEYANCES AND DOES NOT COMPLY WITH G.S. 47-30 MAPPING REQUIREMENTS.
5. PERMANENT CROSS-SECTIONS ARE PRESENTED ON SHEET 5D. ALL CROSS-SECTIONS ARE FROM LEFT BANK TO RIGHT BANK (FACING DOWNSTREAM).
6. CONTROL DATA SHOWN TAKEN FROM EXISTING CONDITIONS SURVEY PROVIDED BY DESIGNER & VERIFIED DURING CONSTRUCTION & AS-BUILT SURVEYS.

## SOUTH MUDDY CREEK SITE

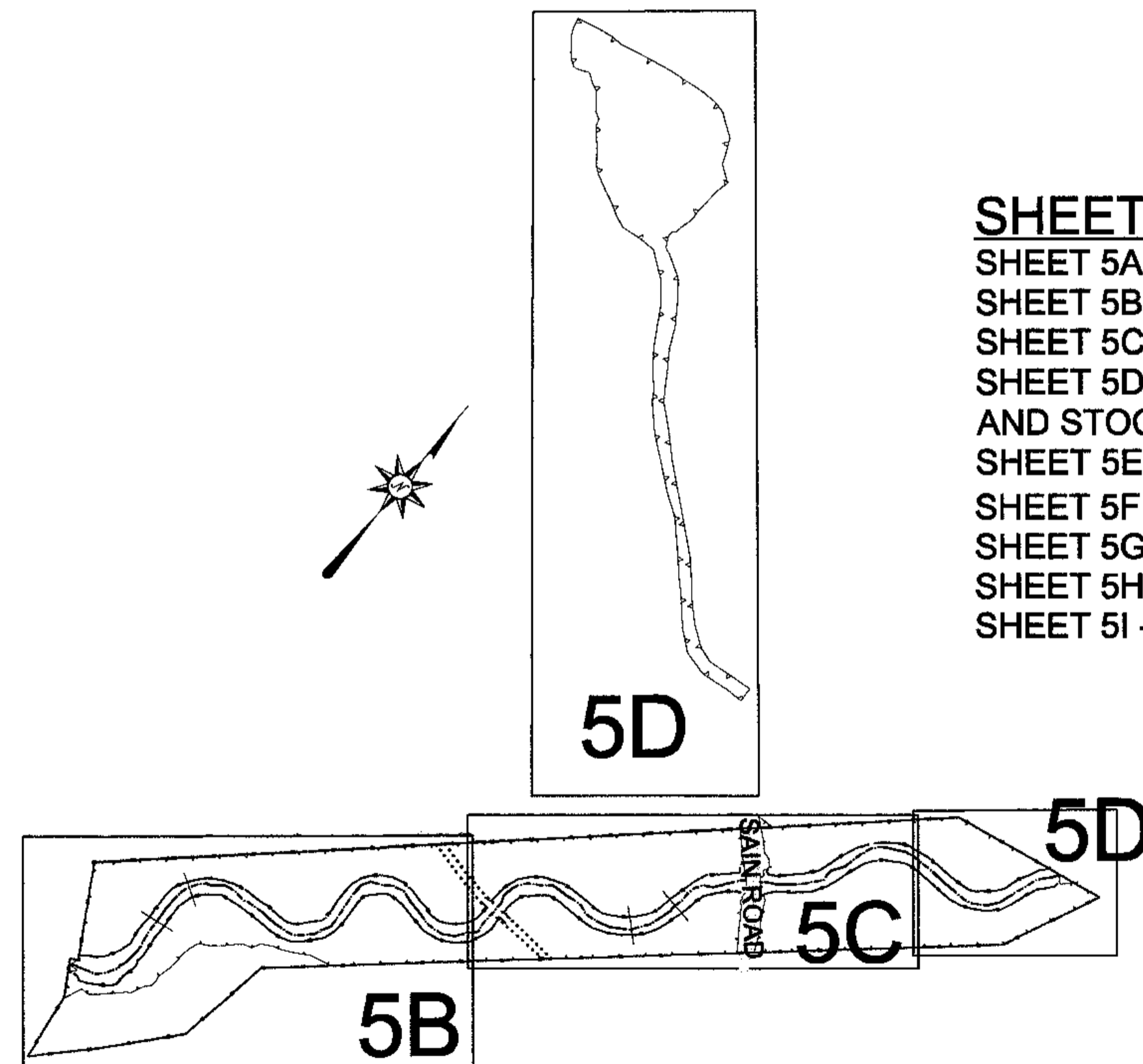
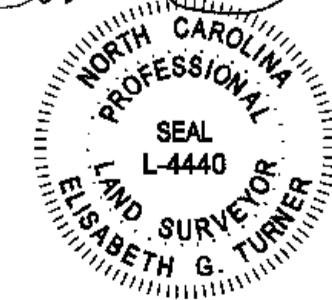
I, ELISABETH G. TURNER, CERTIFY THAT THESE PLANS WERE DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION AND THAT THE RATIO OF PRECISION AS CALCULATED IS 1: 10,000 ±. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER, AND SEAL THIS 17th DAY OF MAY 2011.

*Elisabeth G. Turner*  
ELISABETH G. TURNER, P.L.S. #L-4440



I, ELISABETH G. TURNER, AS A DULY REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY THAT THE DATA SHOWN ON THIS DRAWING, WAS OBTAINED UNDER MY SUPERVISION, IS AN ACCURATE AND COMPLETE REPRESENTATION OF WHAT WAS CONSTRUCTED IN THE FIELD, AND THAT THE PHYSICAL DIMENSIONS OR ELEVATIONS SHOWN THIS ARE AS-BUILT CONDITIONS EXCEPT WHERE OTHERWISE NOTED HEREON. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER, AND SEAL THIS 17th DAY OF MAY, 2011.

*Elisabeth G. Turner*  
ELISABETH G. TURNER, P.L.S. #L-4440



SHEET KEY  
NOT TO SCALE

SMC-SOUTH MUDDY CREEK SITE  
SFH-SOUTH FORK HOPPERS CREEK SITE

### SHEET INDEX

- SHEET 5A - SMC TITLE, VICINITY MAP, SHEET KEY, GENERAL NOTES
- SHEET 5B - SMC PLAN VIEW & PROFILE
- SHEET 5C - SMC PLAN VIEW & PROFILE
- SHEET 5D - SMC PLAN VIEW & PROFILE, PERMANENT CROSS SECTIONS 1-4 AND STOCKPILE AREA PLAN VIEW
- SHEET 5E - SMC FLOOD STUDY CROSS SECTIONS 1-7
- SHEET 5F - SFH TITLE, VICINITY MAP, SHEET KEY, GENERAL NOTES
- SHEET 5G - SFH PLAN VIEW & PROFILE
- SHEET 5H - UT1B PLAN VIEW & PROFILE & CROSS SECTIONS 9-10
- SHEET 5I - UT2 PLAN VIEW & PROFILE AND SFH CROSS SECTIONS 5-8

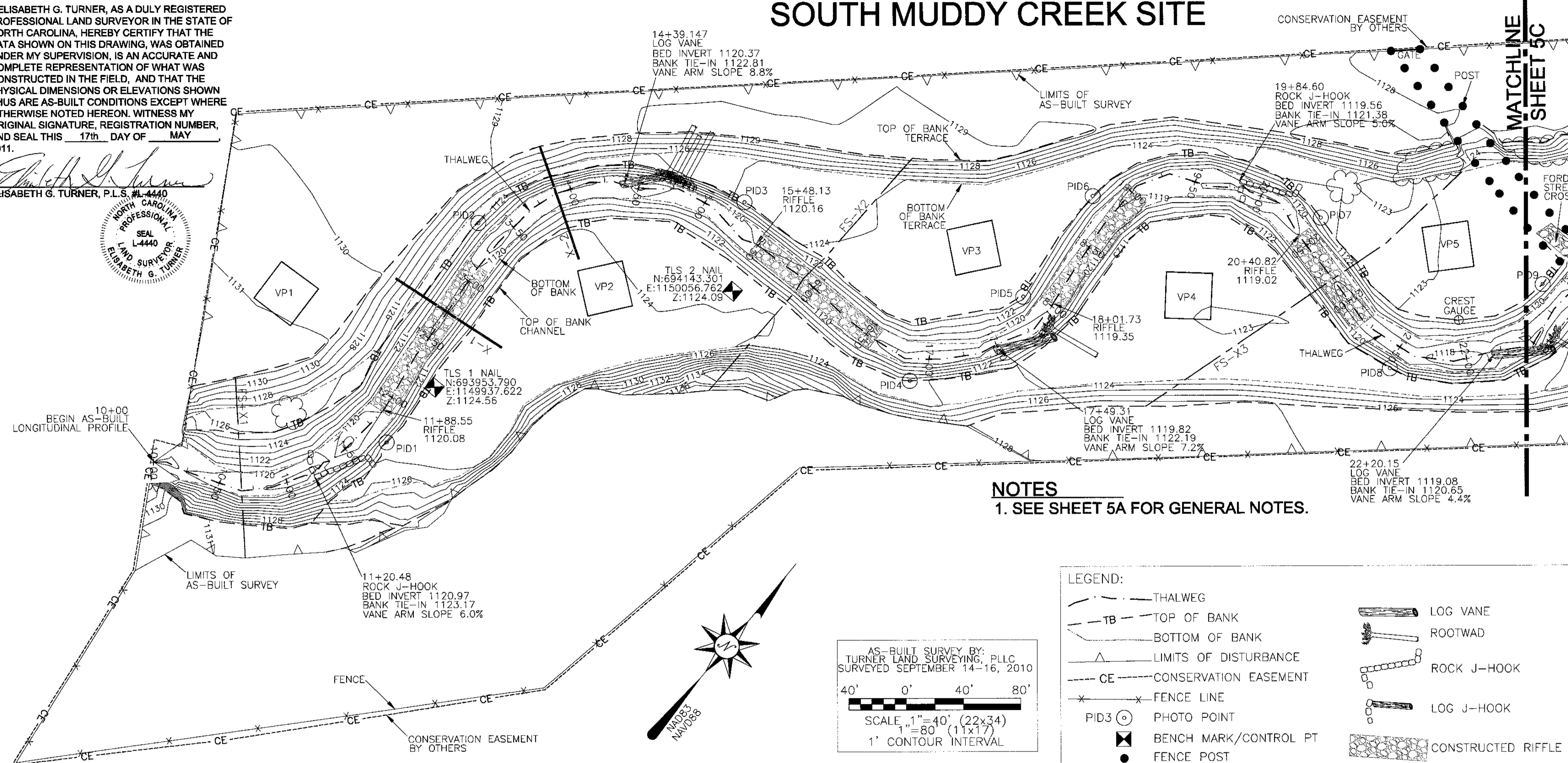
REVISIONS, DATE AND INITIAL:																		
<b>TURNER LAND SURVEYING, PLLC</b> <small>3201 Glenridge Drive, Raleigh, NC 27604 - (919)875-1378          P-0702 - Lturner21@tc.rr.com - Dturner19@tc.rr.com          www.TURNERLANDSURVEYING.COM</small>																		
<b>TITLE</b> <b>AS-BUILT SURVEY OF</b> <b>SOUTH MUDDY CREEK STREAM RESTORATION</b> <small>SCO# 05-0667-01          MCDOWELL COUNTY          DYSARTSVILLE          NORTH CAROLINA</small>																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DATE:</td> <td>10/04/2010</td> </tr> <tr> <td>SURVEYED BY:</td> <td>DST/EGT</td> </tr> <tr> <td>DRAWN BY:</td> <td>DST/EGT</td> </tr> <tr> <td>REVIEWED BY:</td> <td>DST/EGT</td> </tr> <tr> <td>PROJECT:</td> <td>TLS-10-007</td> </tr> <tr> <td>FILE:</td> <td>SOUTH MUDDY CREEK_348_AB_TLS_F</td> </tr> <tr> <td>SCALE:</td> <td>NO SCALE</td> </tr> <tr> <td>SHEET</td> <td style="text-align: center; font-size: 1.5em;"><b>5A</b></td> </tr> </table>			DATE:	10/04/2010	SURVEYED BY:	DST/EGT	DRAWN BY:	DST/EGT	REVIEWED BY:	DST/EGT	PROJECT:	TLS-10-007	FILE:	SOUTH MUDDY CREEK_348_AB_TLS_F	SCALE:	NO SCALE	SHEET	<b>5A</b>
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SHEET	<b>5A</b>																	

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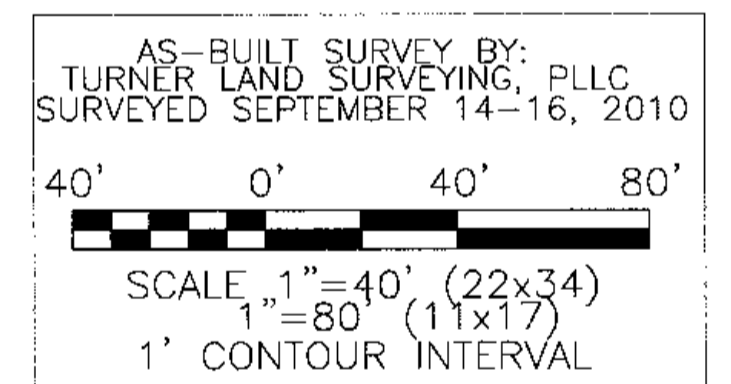
*Elisabeth G. Turner*  
 ELISABETH G. TURNER, P.L.S. #1-4440



# SOUTH MUDDY CREEK SITE

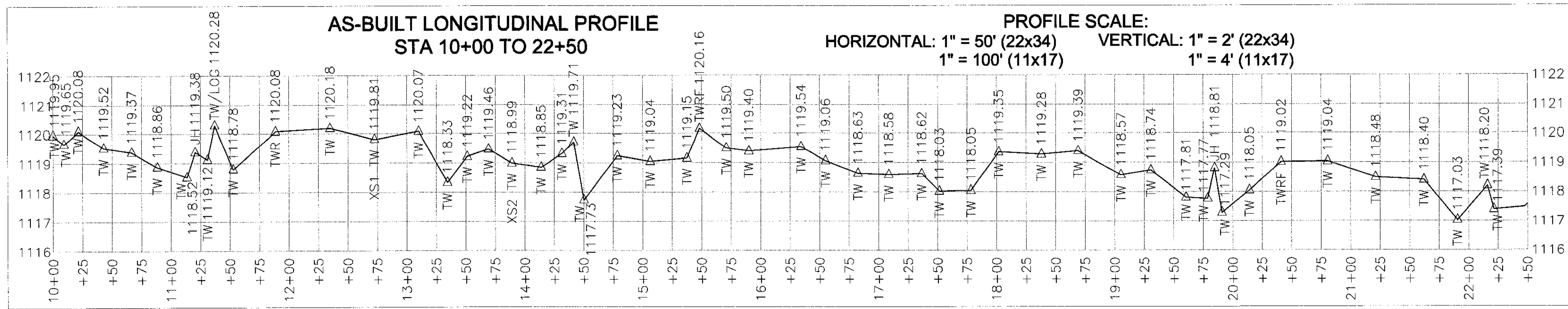


**NOTES**  
 1. SEE SHEET 5A FOR GENERAL NOTES.



**LEGEND:**

	THALWEG		LOG VANE
	TOP OF BANK		ROOTWAD
	BOTTOM OF BANK		ROCK J-HOOK
	LIMITS OF DISTURBANCE		LOG J-HOOK
	CONSERVATION EASEMENT		CONSTRUCTED RIFFLE
	FENCE LINE		
	PHOTO POINT		
	BENCH MARK/CONTROL PT		
	FENCE POST		
	PERMANENT CROSS-SECTION		
	VEGETATION PLOT		



REVISIONS, DATE AND INITIAL:

**TURNER LAND SURVEYING, PLLC**  
 3201 Glenridge Drive, Raleigh, NC 27604 - (919)875-1378  
 P-0702 - Lturner@tldr.com - Dturner119@tldr.com  
 www.TURNERLANDSURVEYING.COM

**PLAN VIEW & PROFILE STA 10+00 TO 22+50**

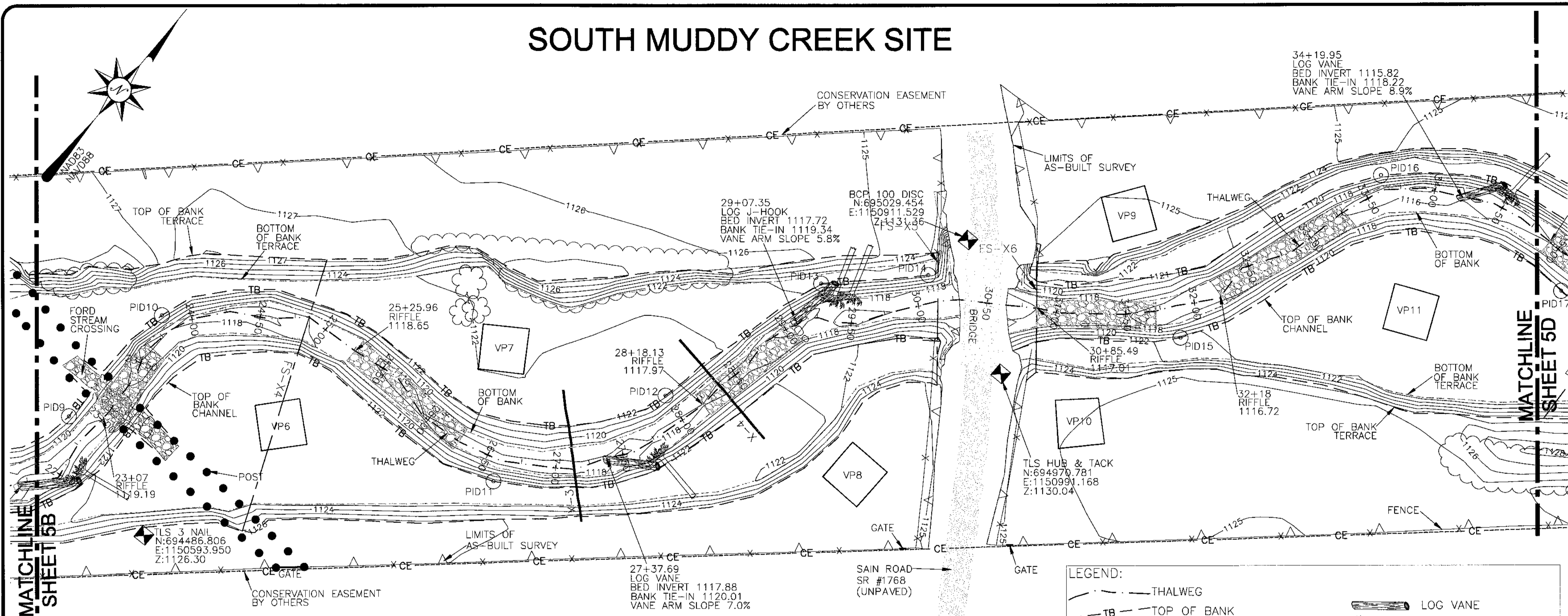
**AS-BUILT SURVEY OF SOUTH MUDDY CREEK STREAM RESTORATION**

SCO# 05-0667-01  
 MCDOWELL COUNTY  
 DYSARTSVILLE  
 NORTH CAROLINA

DATE: 10/04/2010  
 SURVEYED BY: DST/EGT  
 DRAWN BY: DST/EGT  
 REVIEWED BY: DST/EGT  
 PROJECT: TLS-10-007  
 FILE: SOUTH MUDDY CREEK 348 AB\_TLS.F  
 SCALE: AS SHOWN

SHEET **5B**

# SOUTH MUDDY CREEK SITE



I, ELISABETH G. TURNER, AS A DULY REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY THAT THE DATA SHOWN ON THIS DRAWING, WAS OBTAINED UNDER MY SUPERVISION, IS AN ACCURATE AND COMPLETE REPRESENTATION OF WHAT WAS CONSTRUCTED IN THE FIELD, AND THAT THE PHYSICAL DIMENSIONS OR ELEVATIONS SHOWN THUS ARE AS-BUILT CONDITIONS EXCEPT WHERE OTHERWISE NOTED HEREON. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER, AND SEAL THIS DAY OF   MAY  , 2011.

*Elisabeth G. Turner*  
 ELISABETH G. TURNER, P.L.S. #L-4440



**NOTES**  
 1. SEE SHEET 5A FOR GENERAL NOTES.

AS-BUILT SURVEY BY:  
 TURNER LAND SURVEYING, PLLC  
 SURVEYED SEPTEMBER 14-16, 2010

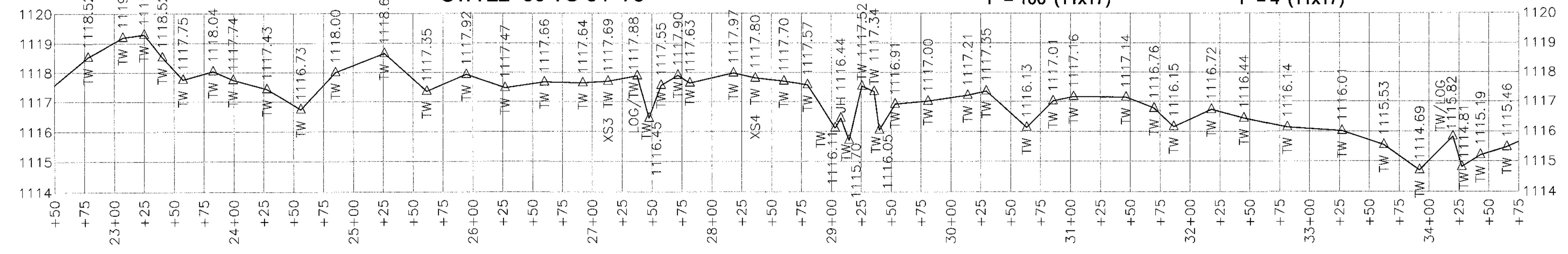
40' 0' 40' 80'

SCALE: 1" = 40' (22x34)  
 1" = 80' (11x17)  
 1' CONTOUR INTERVAL

**LEGEND:**

- THALWEG
- - - TB TOP OF BANK
- - - BOTTOM OF BANK
- △ LIMITS OF DISTURBANCE
- - - CE CONSERVATION EASEMENT
- x x x FENCE LINE
- PID3 ⊙ PHOTO POINT
- ⊠ BENCH MARK/CONTROL PT
- FENCE POST
- x-2 -PERMANENT CROSS-SECTION
- VP3 -VEGETATION PLOT
- LOG VANE
- ROOTWAD
- ROCK J-HOOK
- LOG J-HOOK
- CONSTRUCTED RIFFLE

**AS-BUILT LONGITUDINAL PROFILE  
 STA 22+50 TO 34+75**



REVISIONS, DATE AND INITIAL:

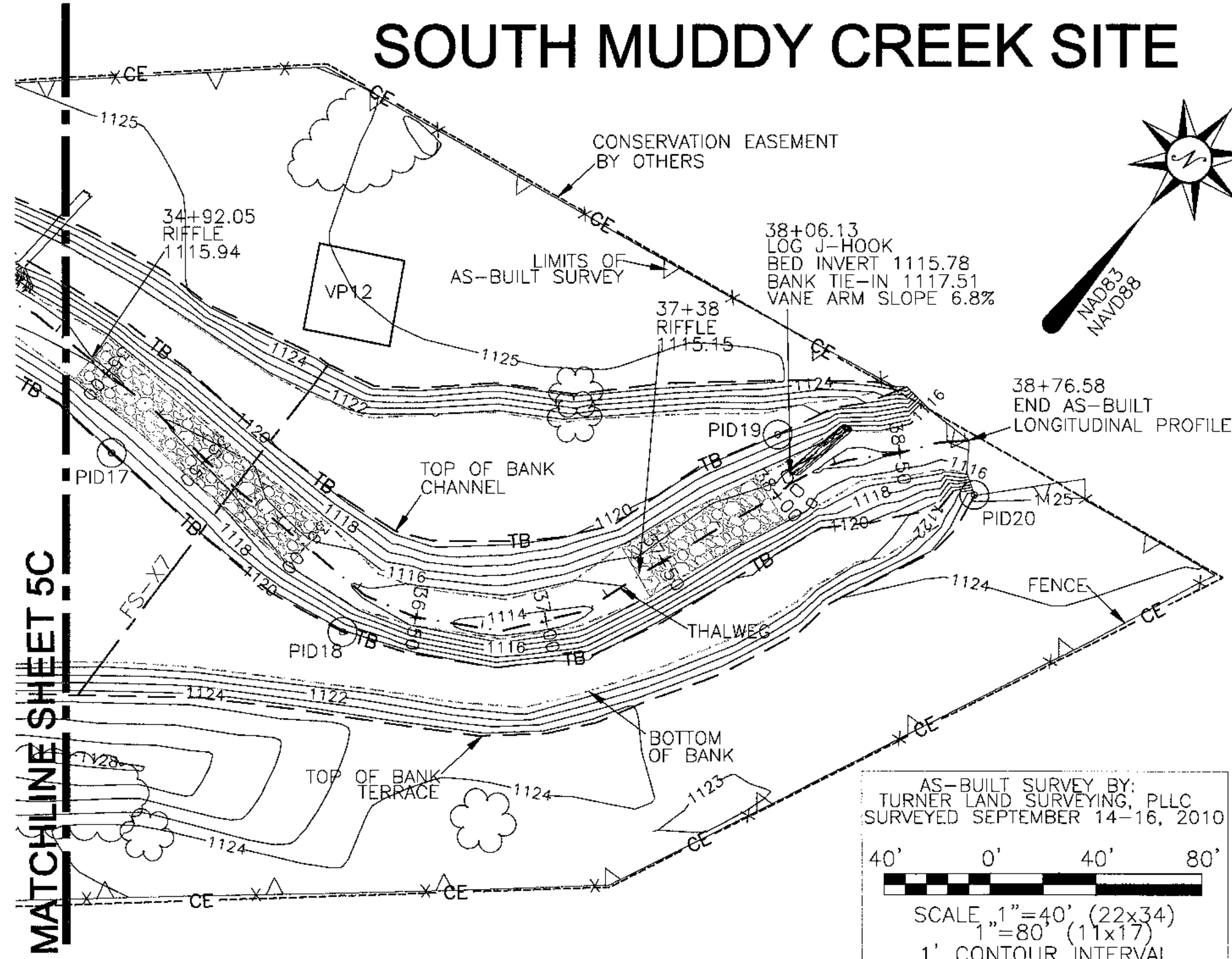
TURNER LAND SURVEYING, PLLC  
 3201 Glenridge Drive, Raleigh, NC 27604 - (919)875-1378  
 P-0702 - Lturner921@tnc.com - Dturner19@tnc.com  
 www.TURNERLANDSURVEYING.com

PLAN VIEW & PROFILE STA 22+50 TO 34+75  
 AS-BUILT SURVEY OF  
 SOUTH MUDDY CREEK STREAM RESTORATION  
 MCDOWELL COUNTY  
 DARYSTVILLE  
 SCO# 05-0667-01

DATE: 10/04/2010  
 SURVEYED BY: DST/JGT  
 DRAWN BY: DST/JGT  
 REVIEWED BY: DST/JGT  
 PROJECT: TLS-10-007  
 FILE: SOUTH MUDDY CREEK AS-BUILT-F  
 SCALE: AS SHOWN

SHEET **5C**

# SOUTH MUDDY CREEK SITE

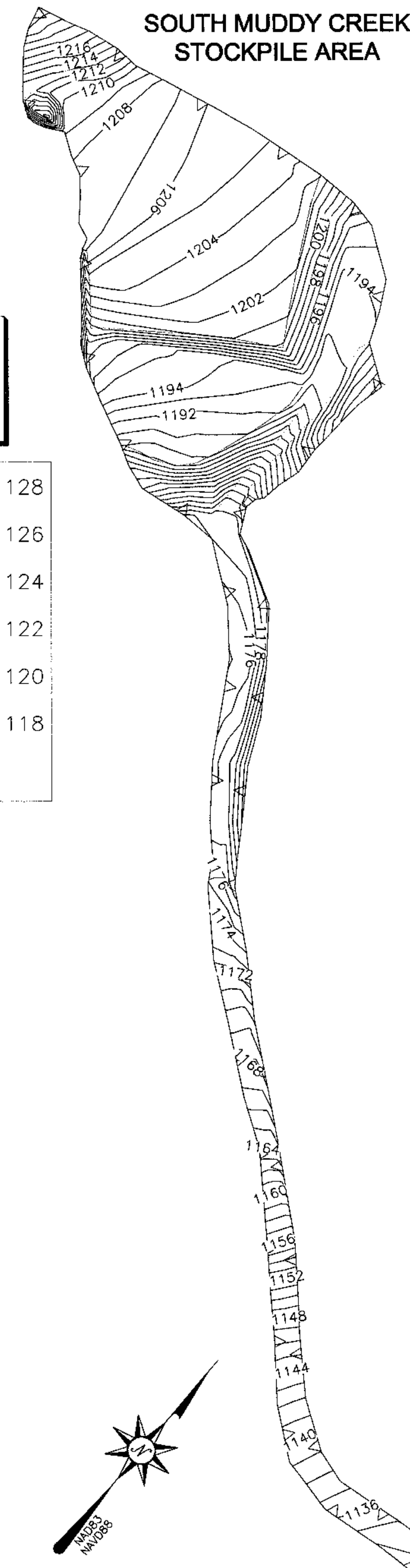


I, ELISABETH G. TURNER, AS A DULY REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY THAT THE DATA SHOWN ON THIS DRAWING, WAS OBTAINED UNDER MY SUPERVISION, IS AN ACCURATE AND COMPLETE REPRESENTATION OF WHAT WAS CONSTRUCTED IN THE FIELD, AND THAT THE PHYSICAL DIMENSIONS OR ELEVATIONS SHOWN THUS ARE AS-BUILT CONDITIONS EXCEPT WHERE OTHERWISE NOTED HEREON. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER, AND SEAL THIS 17th DAY OF MAY, 2011.

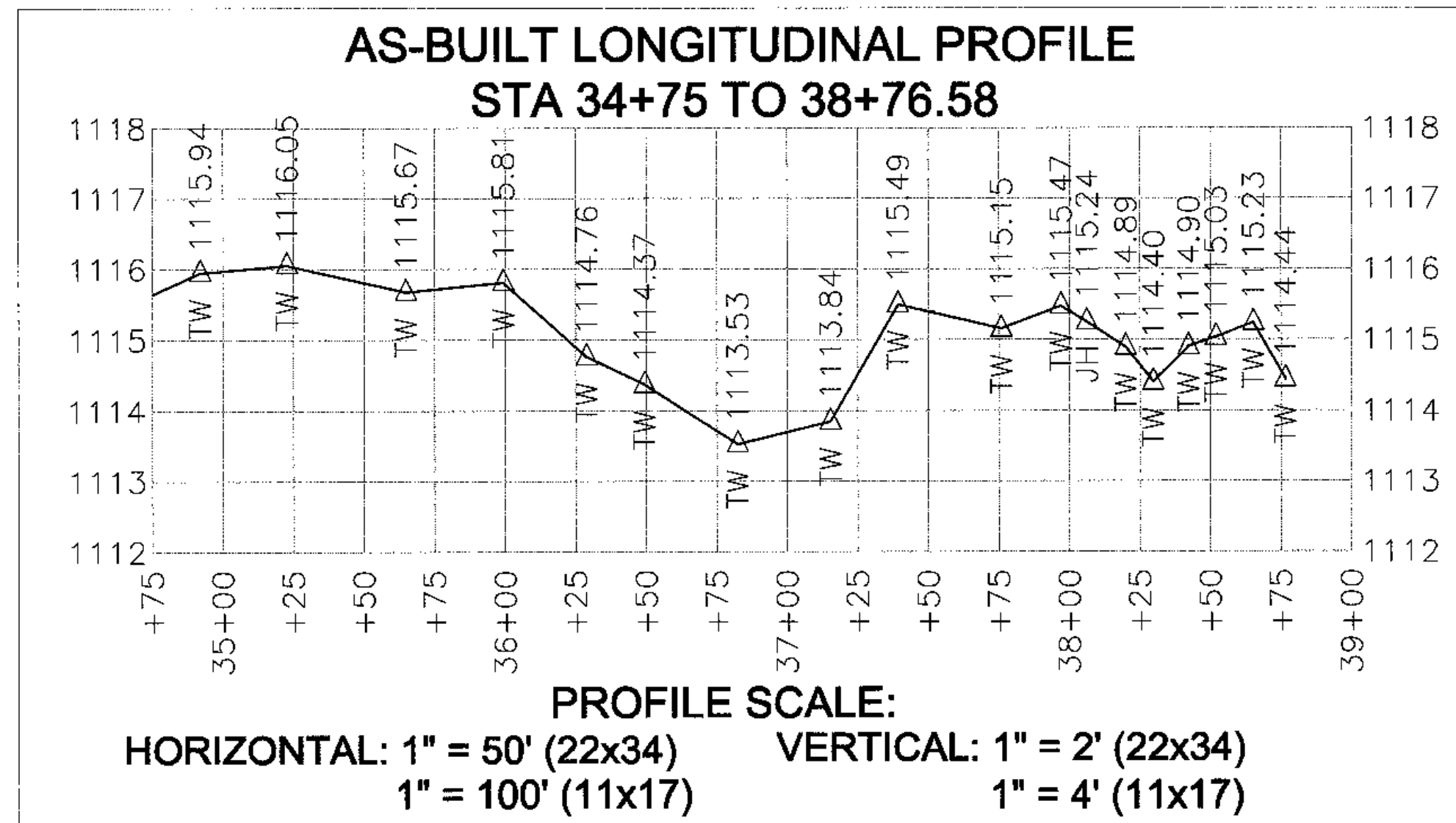
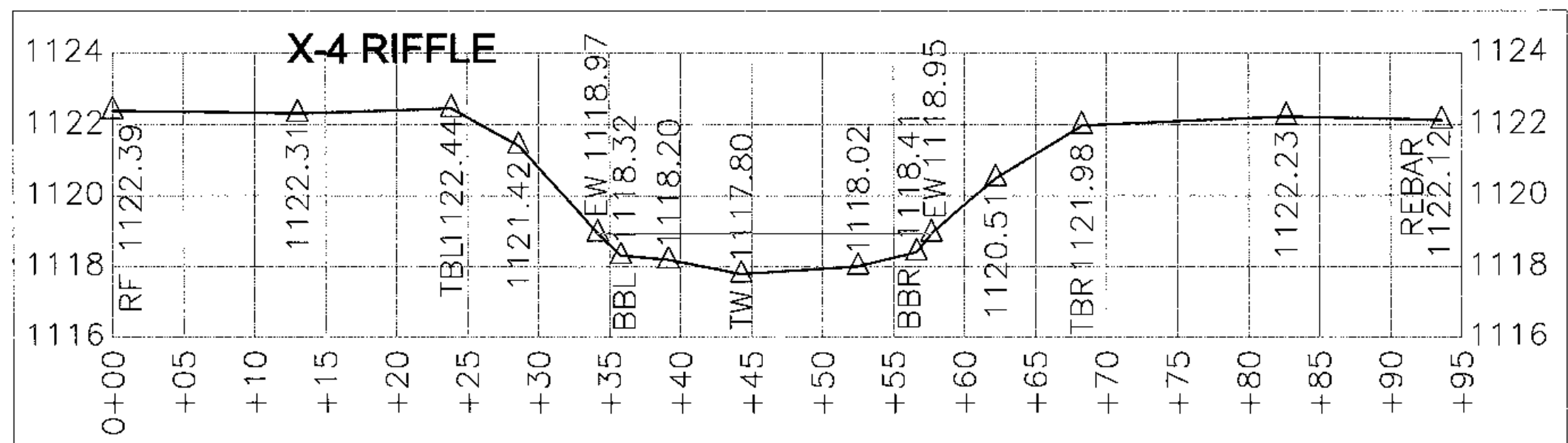
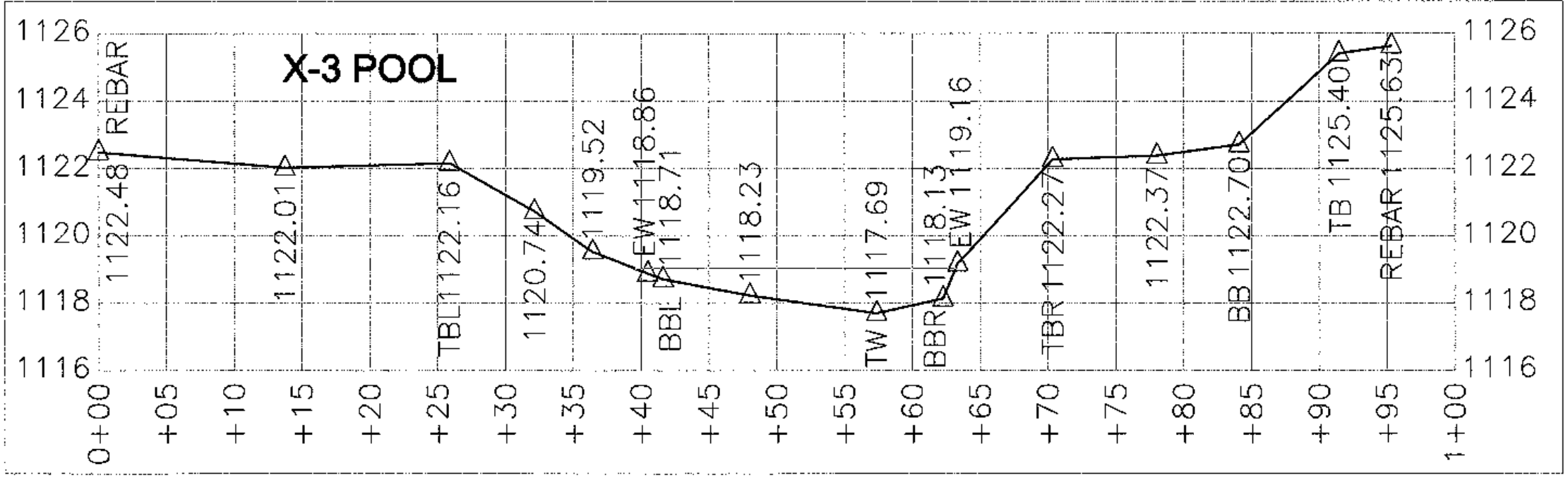
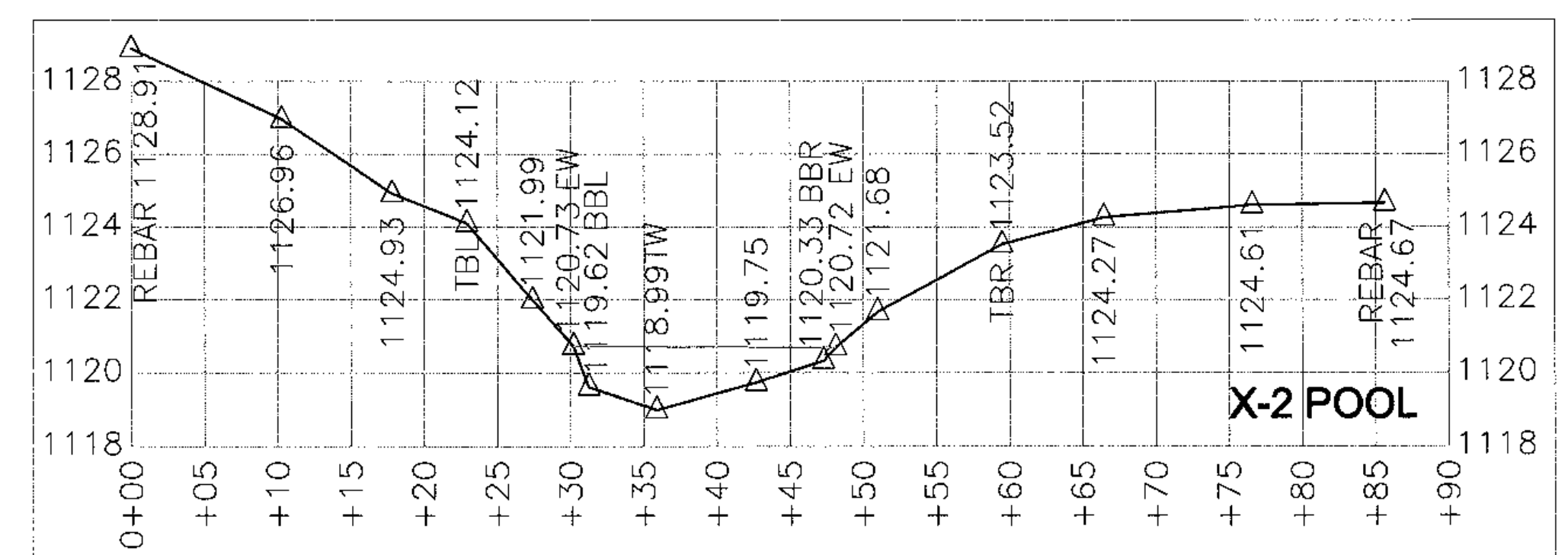
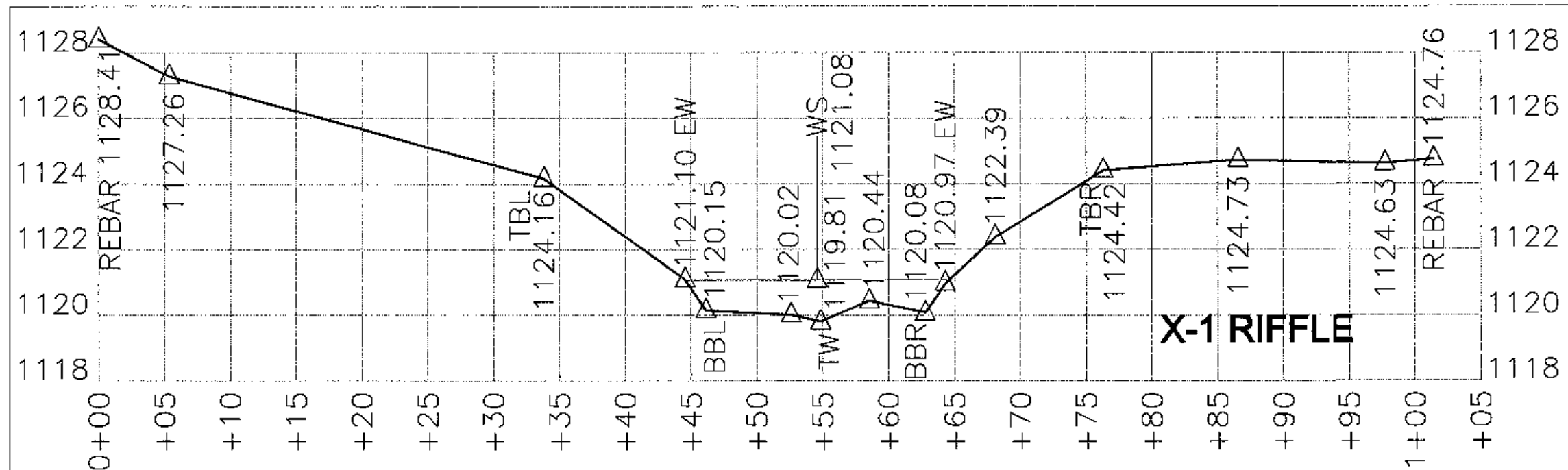
ELISABETH G. TURNER, P.L.S. #L-4440

PROFESSIONAL LAND SURVEYOR  
SEAL L-4440  
ELISABETH G. TURNER

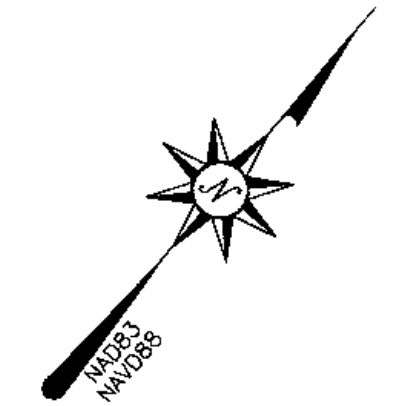
**NOTES**  
1. SEE SHEET 5A FOR GENERAL NOTES.



**SOUTH MUDDY CREEK CROSS-SECTIONS 1-4**  
CROSS-SECTION SCALE:  
HORIZONTAL: 1" = 10' (22x34) VERTICAL: 1" = 4' (22x34)  
1" = 20' (11x17) 1" = 8' (11x17)



- LEGEND:**
- THALWEG
  - TB TOP OF BANK
  - BBL BOTTOM OF BANK
  - △ LIMITS OF DISTURBANCE
  - CE CONSERVATION EASEMENT
  - x FENCE LINE
  - PID3 PHOTO POINT
  - ⊠ BENCH MARK/CONTROL PT
  - FENCE POST
  - X-2 PERMANENT CROSS-SECTION
  - VP3 VEGETATION PLOT
  - LOG VANE
  - ROOTWAD
  - ROCK J-HOOK
  - LOG J-HOOK
  - CONSTRUCTED RIFFLE



AS-BUILT SURVEY BY:  
TURNER LAND SURVEYING, PLLC  
SURVEYED SEPTEMBER 14-16, 2010

SCALE 1"=100' (22x34)  
1"=200' (11x17)  
1' CONTOUR INTERVAL

REVISIONS, DATE AND INITIAL:

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PLAN VIEW & PROFILE STA 34+75 TO 38+76.58 AND PERMANENT CROSS-SECTION 1-4

AS-BUILT SURVEY OF SOUTH MUDDY CREEK STREAM RESTORATION

SCO# 05-0667-01

DYSARTSVILLE MCDOWELL COUNTY NORTH CAROLINA

DATE: 10/04/2010

SURVEYED BY: DST/EGT

DRAWN BY: DST/EGT

REVIEWED BY: DST/EGT

PROJECT: TLS-10-007

FILE: SOUTH MUDDY CREEK\_348\_AB\_TLS\_F

SCALE: AS SHOWN

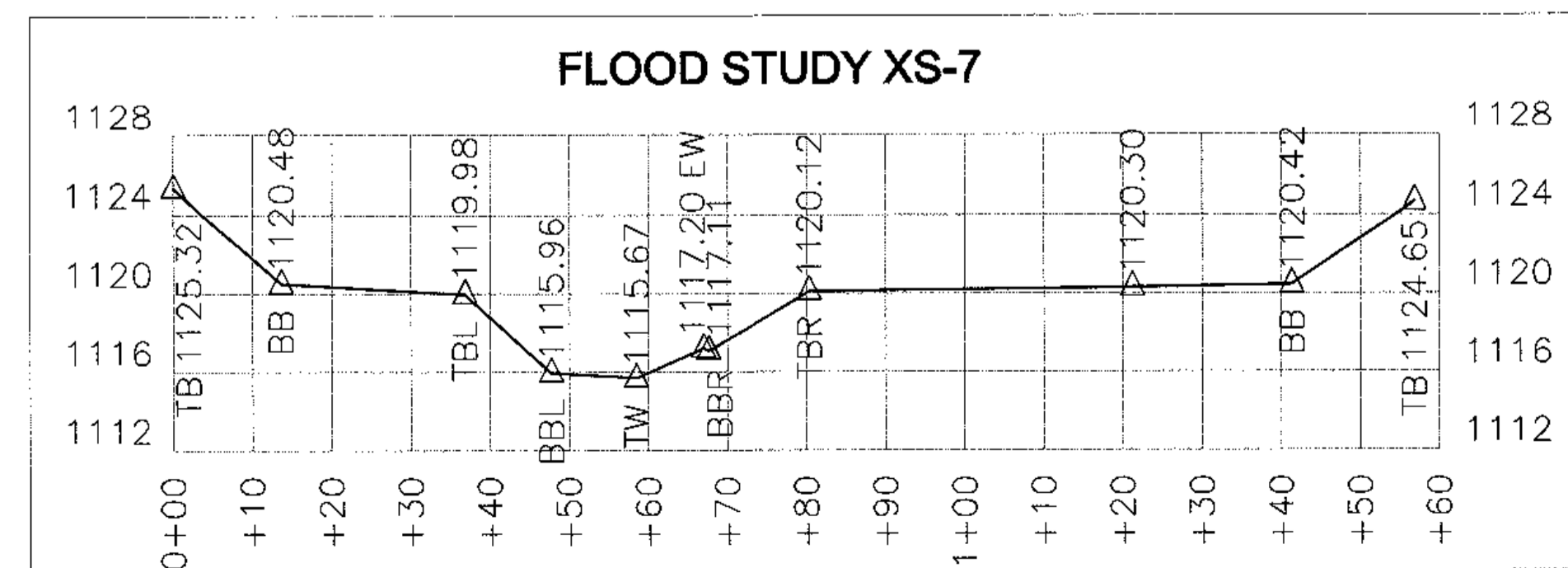
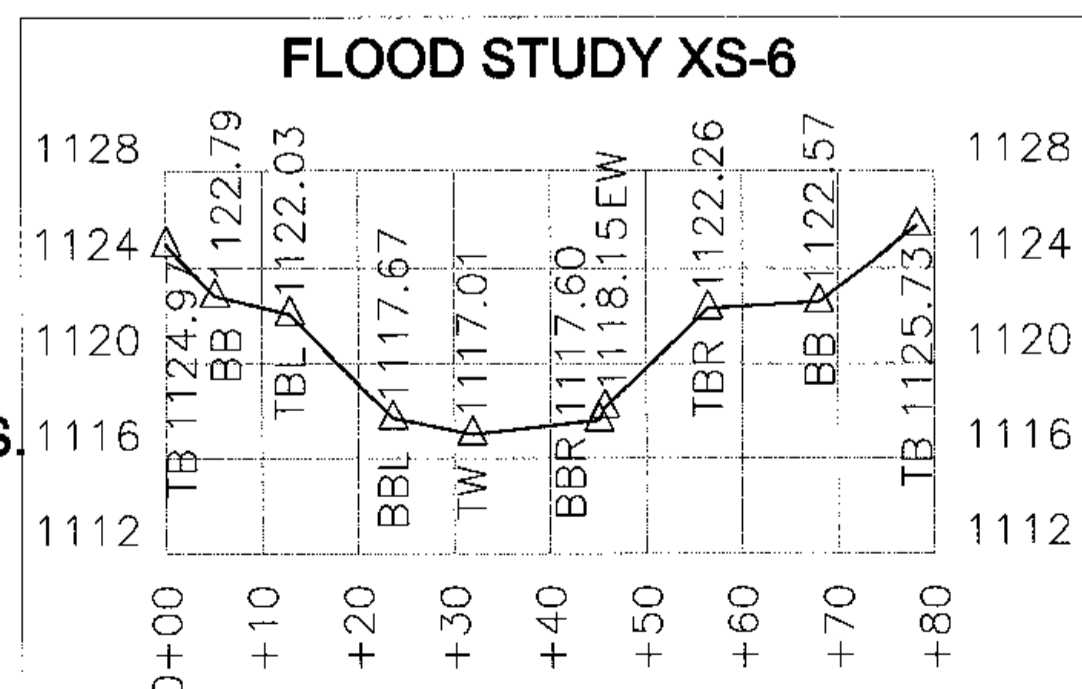
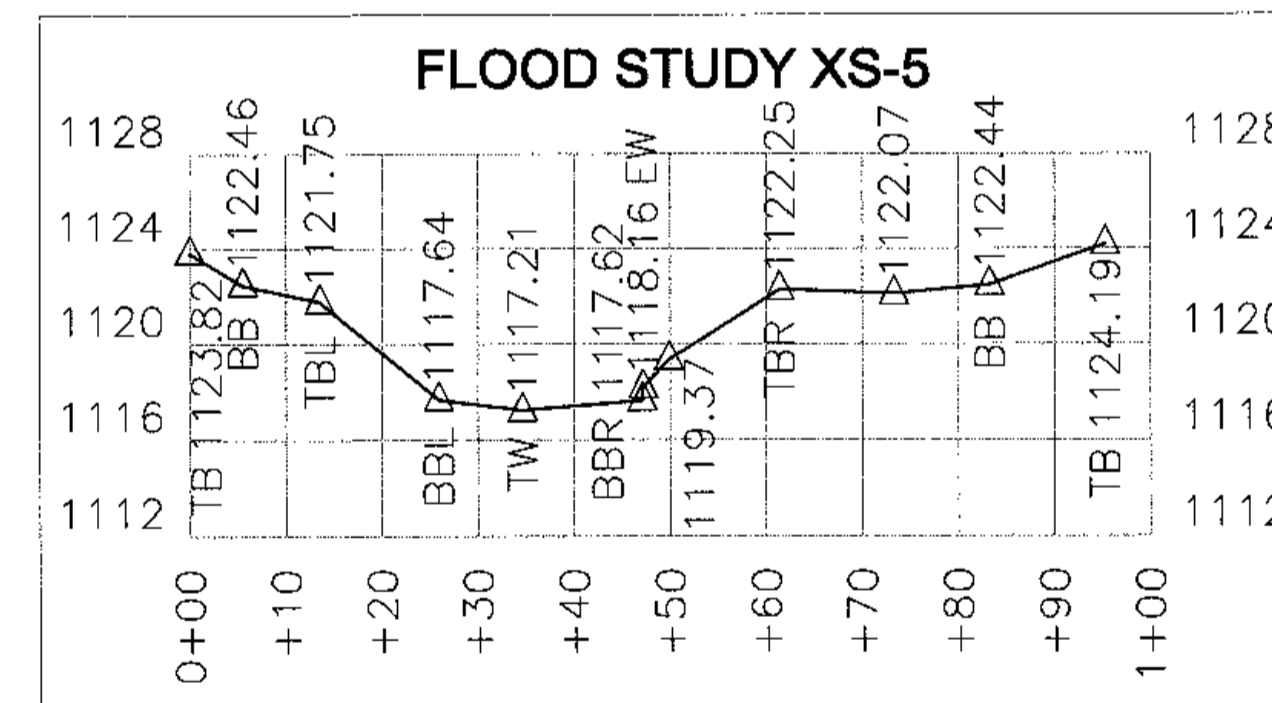
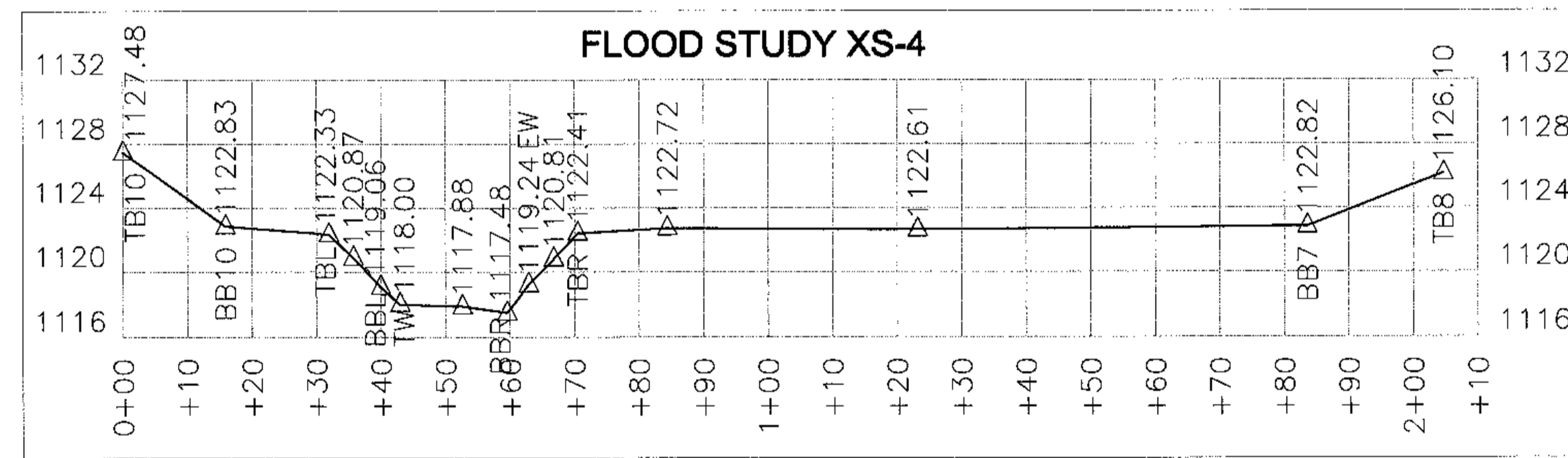
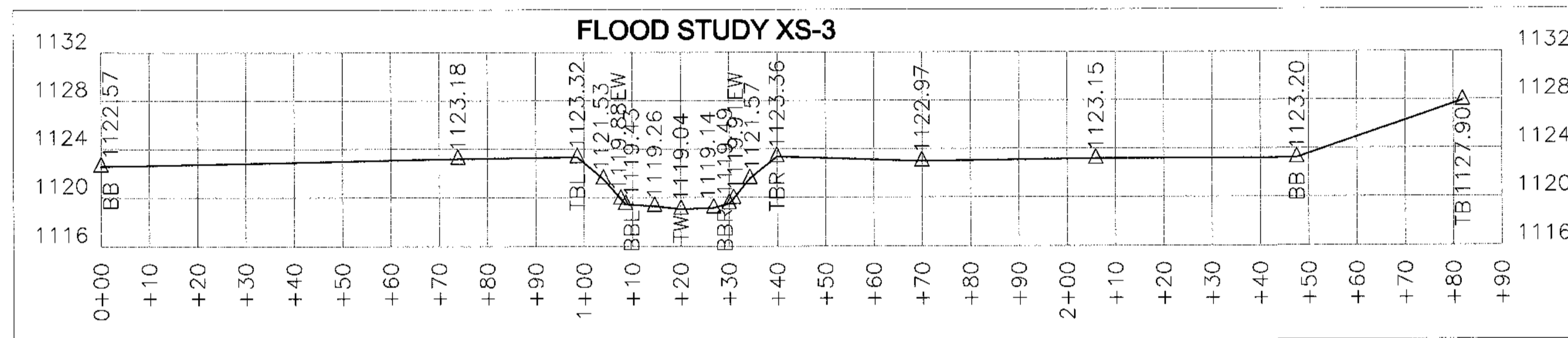
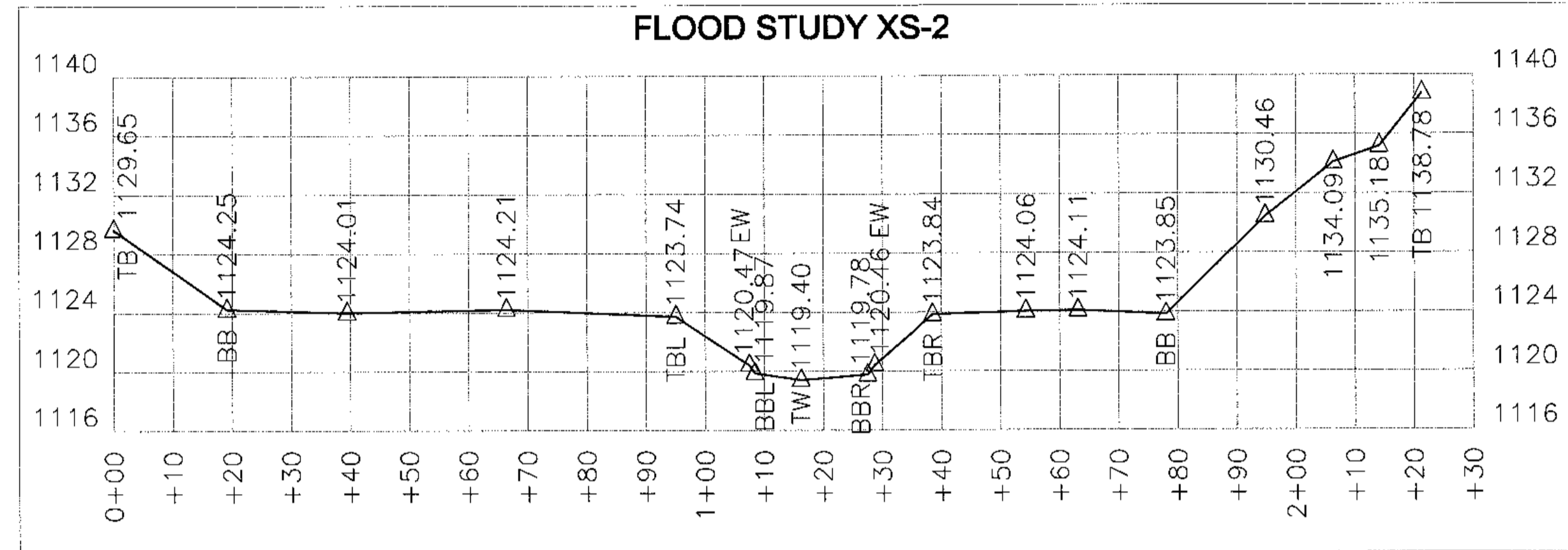
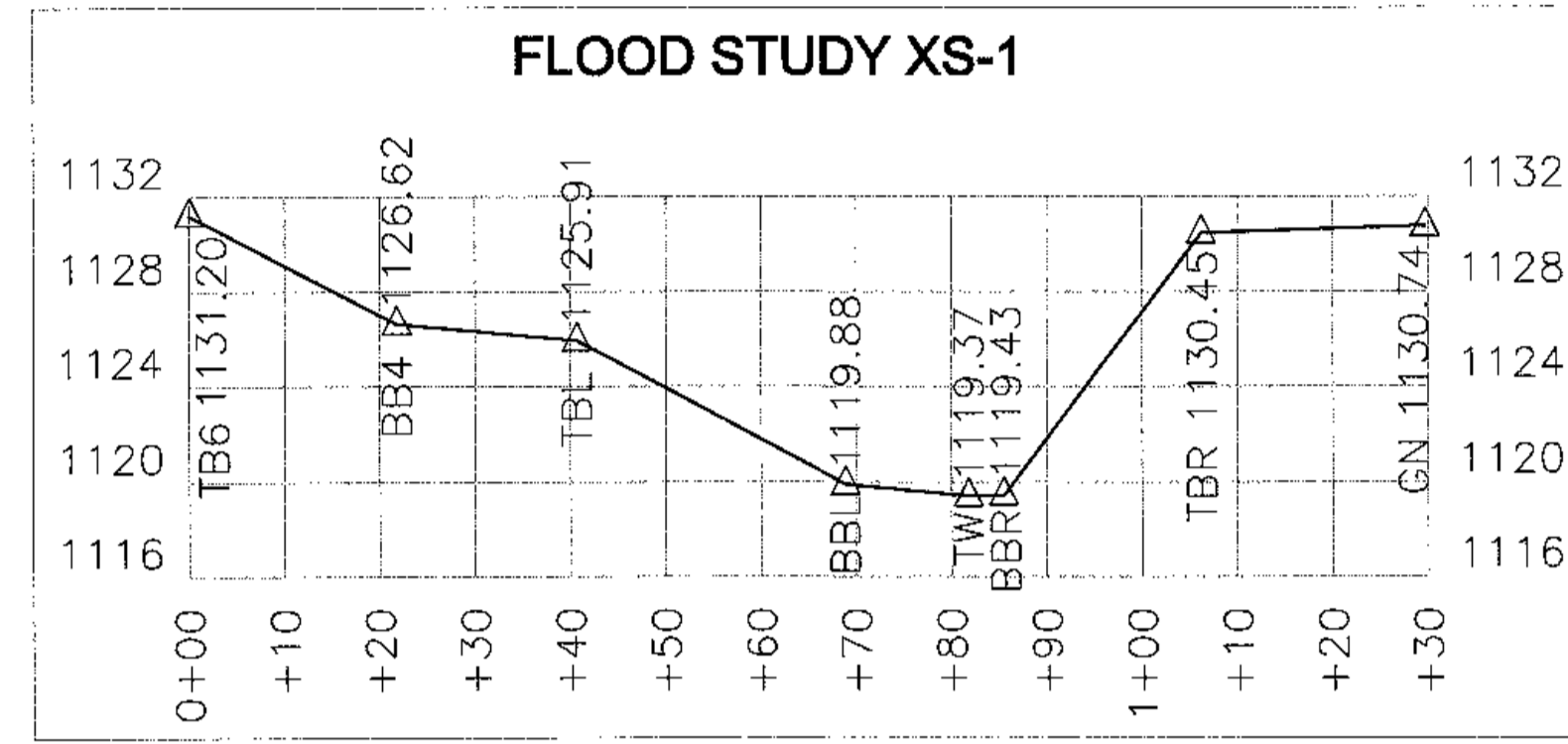
SHEET 5D

# SOUTH MUDDY CREEK SITE

## FLOOD STUDY CROSS SECTIONS

CROSS-SECTION SCALE:  
 HORIZONTAL: 1" = 20' (22x34)      VERTICAL: 1" = 8' (22x34)  
 1" = 40' (11x17)                      1" = 16' (11x17)

TBL-TOP OF LEFT STREAM BANK  
 BBL-BOTTOM OF LEFT STREAM BANK  
 TBR-TOP OF RIGHT STREAM BANK  
 BBR-BOTTOM OF RIGHT STREAM BANK  
 TB-TERRACE TOP OF BANK  
 BB-TERRACE BOTTOM OF BANK  
 GN-GROUND  
 EW-EDGE OF WATER  
 TW-THALWEG



I, ELISABETH G. TURNER, AS A DULY REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY THAT THE DATA SHOWN ON THIS DRAWING, WAS OBTAINED UNDER MY SUPERVISION, IS AN ACCURATE AND COMPLETE REPRESENTATION OF WHAT WAS CONSTRUCTED IN THE FIELD, AND THAT THE PHYSICAL DIMENSIONS OR ELEVATIONS SHOWN THERE ARE AS-BUILT CONDITIONS EXCEPT WHERE OTHERWISE NOTED HEREON. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER, AND SEAL THIS 17th DAY OF MAY, 2011.

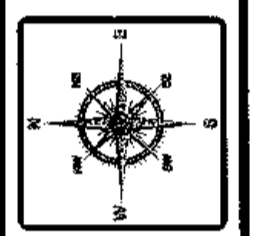
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**AS-BUILT SURVEY OF**  
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 SCO# 05-0667-01  
 MCDOWELL COUNTY  
 DYSARTSVILLE  
 NORTH CAROLINA

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