

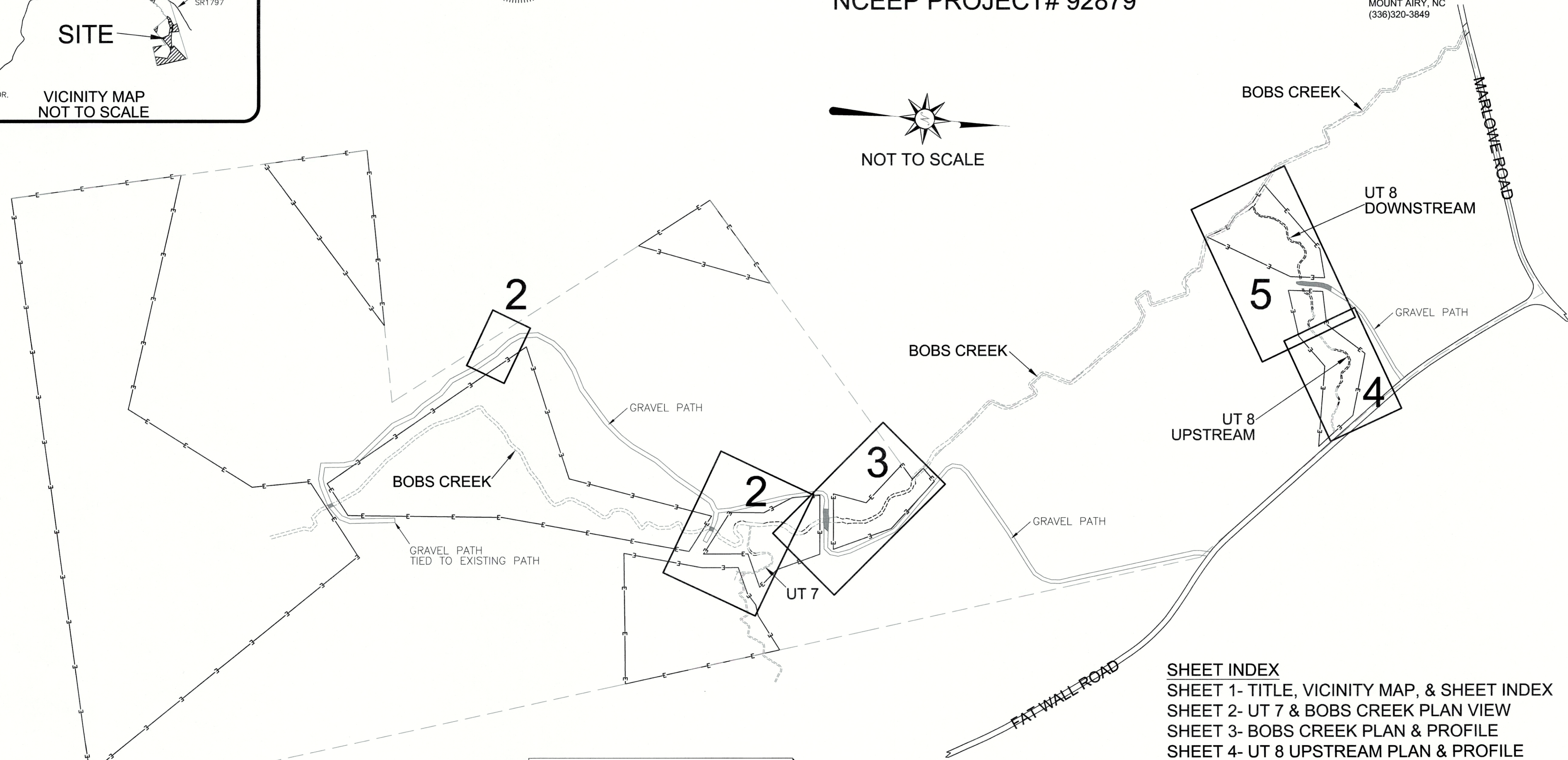
I, ELISABETH G. TURNER, AS A DULY REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY THAT THE DATA SHOWN ON THIS DRAWING, WAS OBTAINED UNDER MY SUPERVISION, IS AN ACCURATE AND COMPLETE REPRESENTATION OF WHAT WAS CONSTRUCTED IN THE FIELD, AND THAT THE PHYSICAL DIMENSIONS OR ELEVATIONS SHOWN THUS ARE AS-BUILT CONDITIONS EXCEPT WHERE OTHERWISE NOTED HEREON. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER, AND SEAL THIS 23rd DAY OF SEPTEMBER, 2015.

Elisabeth G. Turner
 ELISABETH G. TURNER, P.L.S. #L-4440
 NORTH CAROLINA PROFESSIONAL LAND SURVEYOR
 SEAL L-4440
 ELISABETH G. TURNER

AS-BUILT SURVEY OF BOBS CREEK STREAM RESTORATION PROJECT

McDOWELL COUNTY, NC
 SCO# 080730801
 NCEEP PROJECT# 92879

REFERENCES:
 OWNER:
 NORTH CAROLINA DEPARTMENT OF MITIGATION SERVICES
 217 WEST JONES ST., SUITE 3000A
 RALEIGH, NC 27603
 (919)707-8976
 DSM PROJ. MANAGER: MATTHEW RIED
 DESIGNER:
 FLORENCE & HUTCHESON ENGINEERING (NOW HDR/ICA)
 5121 KINGDOM WAY, SUITE 100
 RALEIGH, NC 27607
 (919)851-6066
 CONTRACTOR:
 CAROLINA ENVIRONMENTAL CONTRACTING, INC.
 MOUNT AIRY, NC
 (336)320-3849



SHEET INDEX
 SHEET 1- TITLE, VICINITY MAP, & SHEET INDEX
 SHEET 2- UT 7 & BOBS CREEK PLAN VIEW
 SHEET 3- BOBS CREEK PLAN & PROFILE
 SHEET 4- UT 8 UPSTREAM PLAN & PROFILE
 SHEET 5- UT 8 DOWNSTREAM PLAN & PROFILE

GENERAL NOTES:
 1. ALL DISTANCES ARE HORIZONTAL UNLESS OTHERWISE NOTED.
 2. HORIZONTAL DATUM IS NAD83(2011) & VERTICAL DATUM IS NAVD88.
 3. CONTROL IS BASED ON EXISTING CONTROL DATA AS SHOWN ON SHEET 3 IN THE DESIGN PLANS AND RECOVERED DURING THE CONSTRUCTION & AS-BUILT SURVEYS. ADDITIONAL CONTROL WAS ESTABLISHED DURING TOTAL STATION & GPS/RTK METHODS AND CONFIRMED DURING AS-BUILT SURVEY. AS-BUILT CONTROL POINTS ARE LISTED ON SHEET 1.
 4. THIS MAP IS NOT FOR RECORDATION, SALES, OR CONVEYANCES AND DOES NOT COMPLY WITH G.S. 47-30 MAPPING REQUIREMENTS.
 5. THE PURPOSE OF THIS SURVEY IS TO SHOW THE POST CONSTRUCTION CONDITIONS OF THE STREAM AND GRADING RELATED TO THE BOBS CREEK STREAM RESTORATION PROJECT AND MAY NOT SHOW ALL UTILITIES, STRUCTURES, & BOUNDARIES.
 6. INFORMATION SHOWN OUTSIDE THE LIMITS OF AS-BUILT SURVEY WAS PROVIDED BY THE DESIGNER AND WAS NOT VERIFIED BY TURNER LAND SURVEYING, PLLC.
 7. NO PROPERTY RESEARCH WAS PERFORMED. FOR CONSERVATION EASEMENT SEE PLAT RECORDED IN McDOWELL COUNTY REGISTER OF DEEDS OFFICE PLAT BOOK 18, PAGE 89.

AS-BUILT SURVEY CONTROL POINTS:

PT#	Northing(Y)	Easting(X)	Elev(Z)	Description
3	698045.26	1127075.56	1241.95	ECTL#3
25	696701.38	1127656.05	1234.88	TLS#25 NAIL
26	696495.38	1127656.26	1236.87	TLS#26 NAIL
27	696125.89	1127760.57	1245.93	TLS#27 NAIL
28	695902.90	1127979.54	1250.41	TLS#28 NAIL
29	697664.01	1126743.23	1219.52	TLS#29 NAIL
30	697893.05	1126889.15	1229.24	TLS#30 NAIL
40	696570.17	1127691.91	1235.44	TLS#40 NAIL
41	696133.86	1127967.92	1244.03	TLS#41 NAIL
42	696245.39	1127849.32	1241.05	TLS#42 NAIL
44	697918.98	1127041.32	1229.90	TLS#44 NAIL
45	697897.98	1126929.53	1228.71	TLS#45 NAIL
46	698020.20	1127087.60	1238.88	TLS#46 NAIL
48	698017.20	1127288.59	1242.16	TLS#48 NAIL

REVISIONS, DATE AND INITIAL:



TITLE, VICINITY MAP, & SHEET INDEX

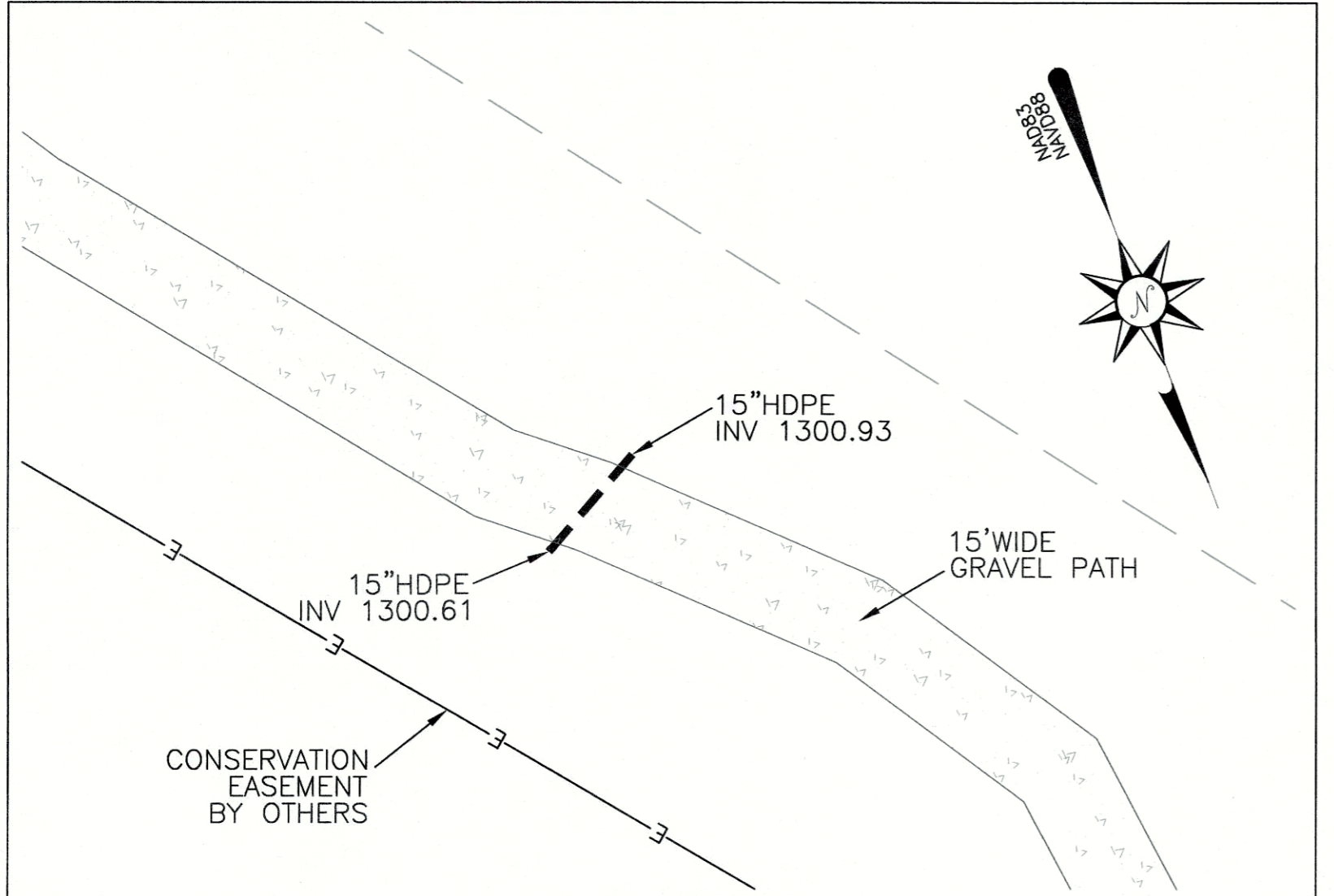
BOBS CREEK STREAM
 RESTORATION PROJECT
 NCEEP PROJECT # 92879

DATE: 06/09/2015
 SURVEYED BY: DST/JAP/DTH
 DRAWN BY: ROB/DST
 REVIEWED BY: DST/EGT
 PROJECT: TLS-15-007
 FILE: BOBS_CREEK_92879_AB_TLS_F
 SCALE: AS SHOWN
 SHEET 1 of 5

NORTH CAROLINA
 McDowell County
 MARION

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 NORTH CAROLINA PROFESSIONAL LAND SURVEYOR
 SEAL L-4440
 ELISABETH G. TURNER



LEGEND:

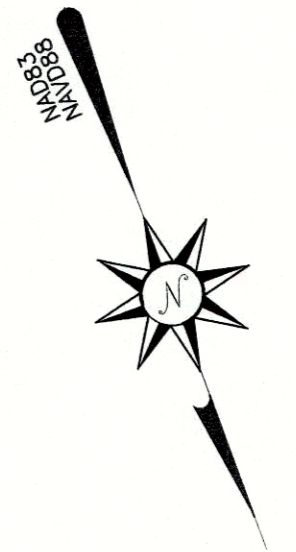
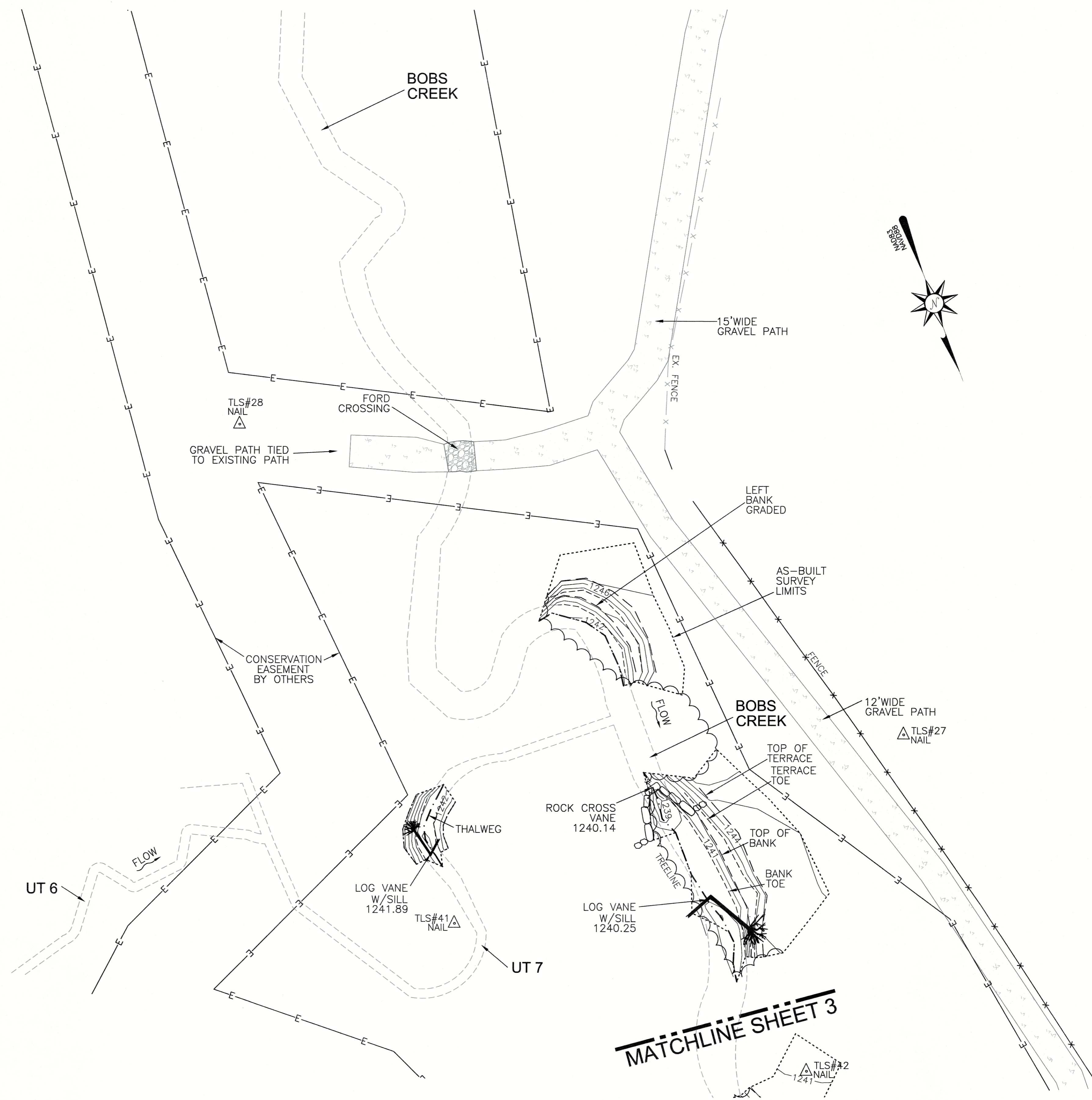
---	THALWEG
---	TOP OF BANK/TERRACE
---	BANK/TERRACE TOE
E	CONSERVATION EASEMENT
x-x	FENCE
---	AS-BUILT SURVEY LIMITS
---	EX. PROPERTY LINE (NOT SURVEYED)
x-x	EXISTING FENCE
△	CONTROL POINT

AS-BUILT SURVEY BY:
 TURNER LAND SURVEYING, PLLC
 SURVEYED JUNE-JULY 2015

25' 0' 25' 50'

SCALE: 1"=25' (22x34)
 1"=50' (11x17)
 CONTOUR INTERVAL = 1'

- GENERAL NOTES:**
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MATCHLINE SHEET 3

REVISIONS, DATE AND INITIAL:

3719 BENSON DRIVE
 RALEIGH, NC 27609
 P-0702 (919) 827-0745
 www.turnerlandsurveying.com
 Certified DBE/WBE



UT7 & BOBS CREEK PLAN VIEW

BOBS CREEK STREAM RESTORATION PROJECT
 NCEEP PROJECT # 92879

NORTH CAROLINA

McDOWELL COUNTY

MARION

DATE:	06/09/2015
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DRAWN BY:	ROB/DST
REVIEWED BY:	DST/EGT
PROJECT:	TLS-15-007
FILE:	BOBS CREEK_92879_AB_TLS_F
SCALE:	AS SHOWN

SHEET
2 of 5

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



MATCHLINE SHEET 2

LEGEND:	
---	THALWEG
----	TOP OF BANK/TERRACE
----	BANK/TERRACE TOE
E	CONSERVATION EASEMENT
x	FENCE
-----	AS-BUILT SURVEY LIMITS
-----	EX. PROPERTY LINE (NOT SURVEYED)
x	EXISTING FENCE
Δ	CONTROL POINT

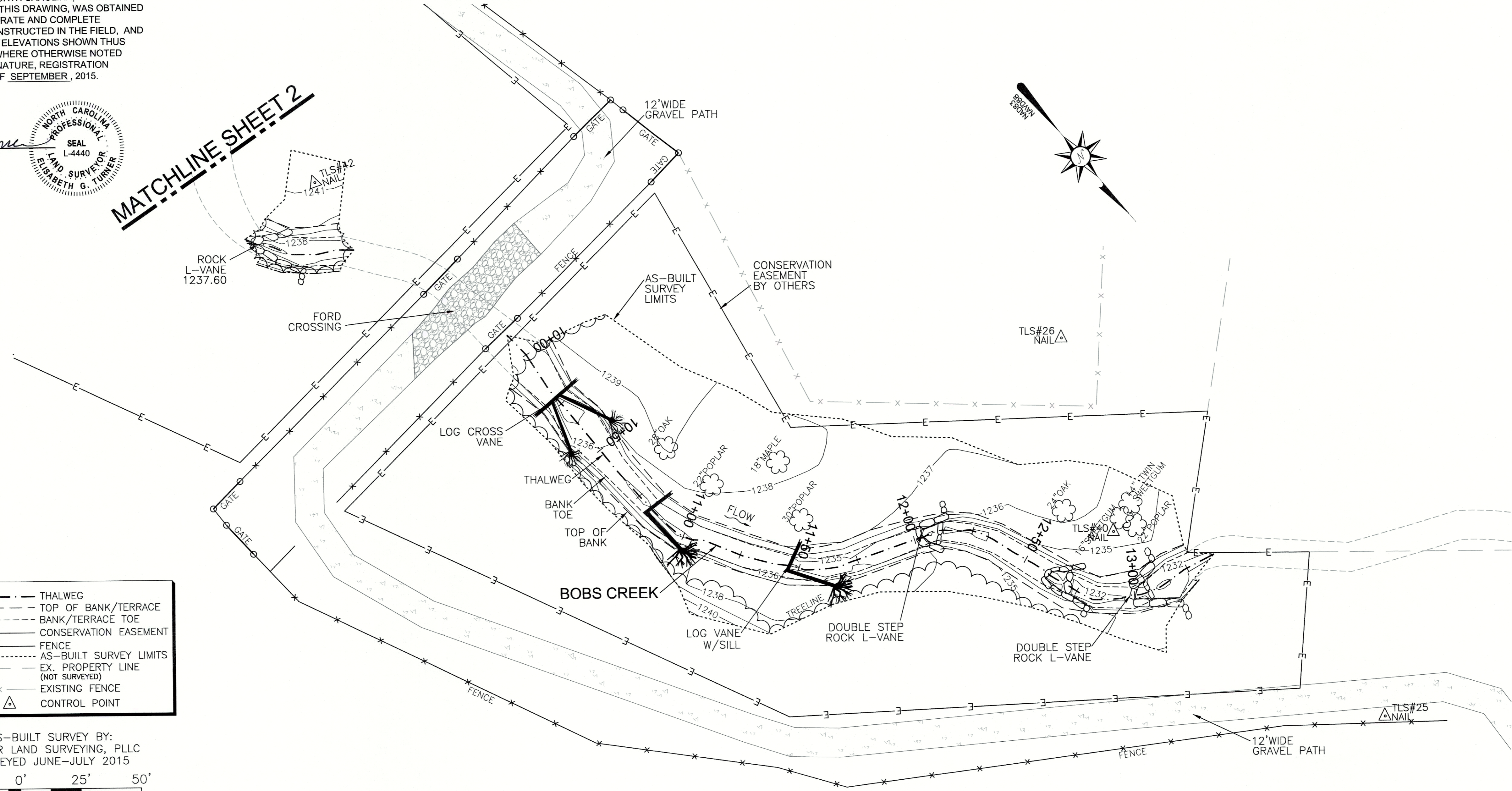
AS-BUILT SURVEY BY:
 TURNER LAND SURVEYING, PLLC
 SURVEYED JUNE-JULY 2015

25' 0' 25' 50'

SCALE: 1"=25' (22x34)
 1"=50' (11x17)
 CONTOUR INTERVAL = 1'

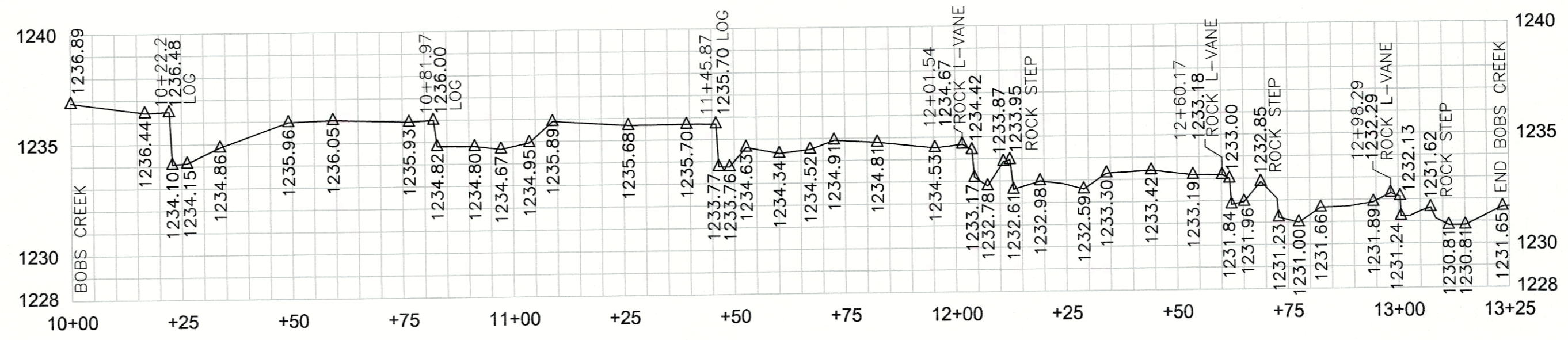
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**AS-BUILT PROFILE
 BOBS CREEK
 STA 10+00 TO 13+25**

PROFILE SCALE
 HORIZONTAL: 1"=25'(22x34)
 1"=50'(11x17)
 VERTICAL: 1"=5'(22x34)
 1"=10'(11x17)



REVISIONS, DATE AND INITIAL:

BOBS CREEK PLAN & PROFILE
BOBS CREEK STREAM RESTORATION PROJECT
 NCEEP PROJECT # 92879

TURNER
 LAND SURVEYING
 3719 BENSON DRIVE
 RALEIGH, NC 27609
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---	THALWEG
---	TOP OF BANK/TERRACE
---	BANK/TERRACE TOE
E	CONSERVATION EASEMENT
x-x	FENCE
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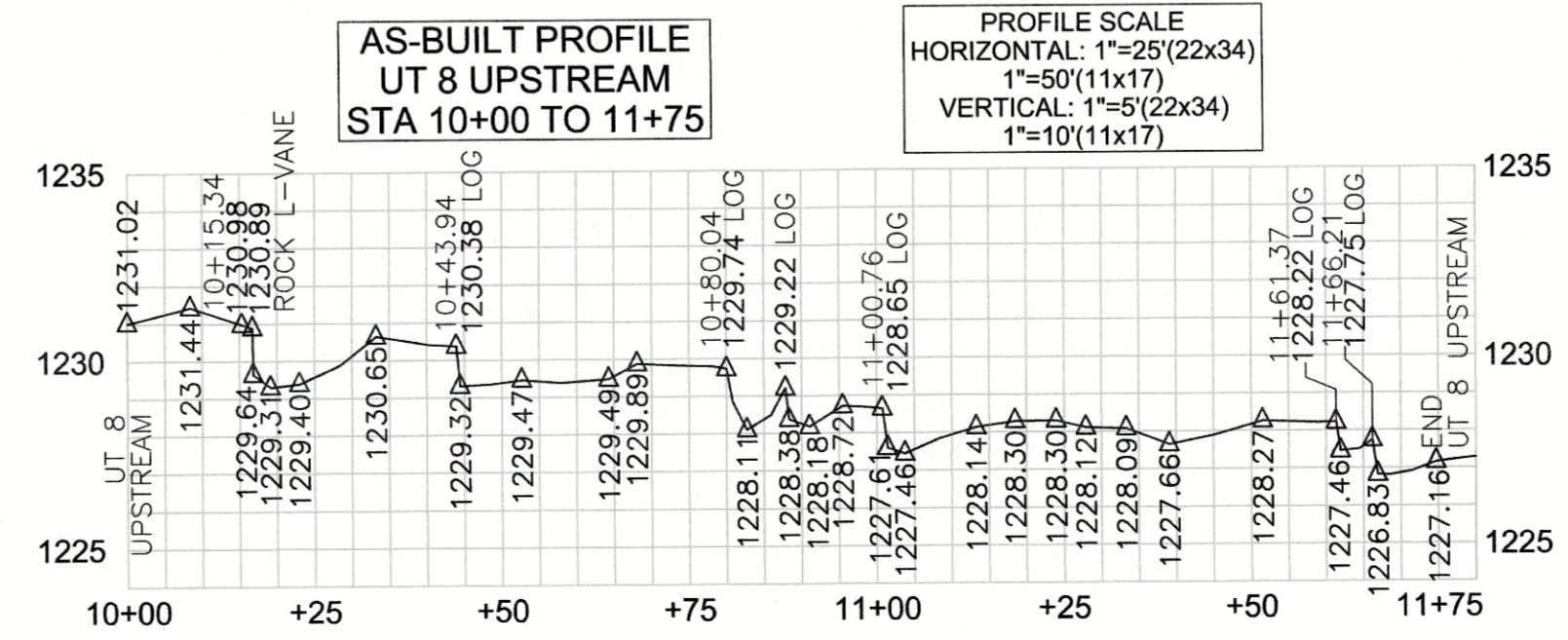
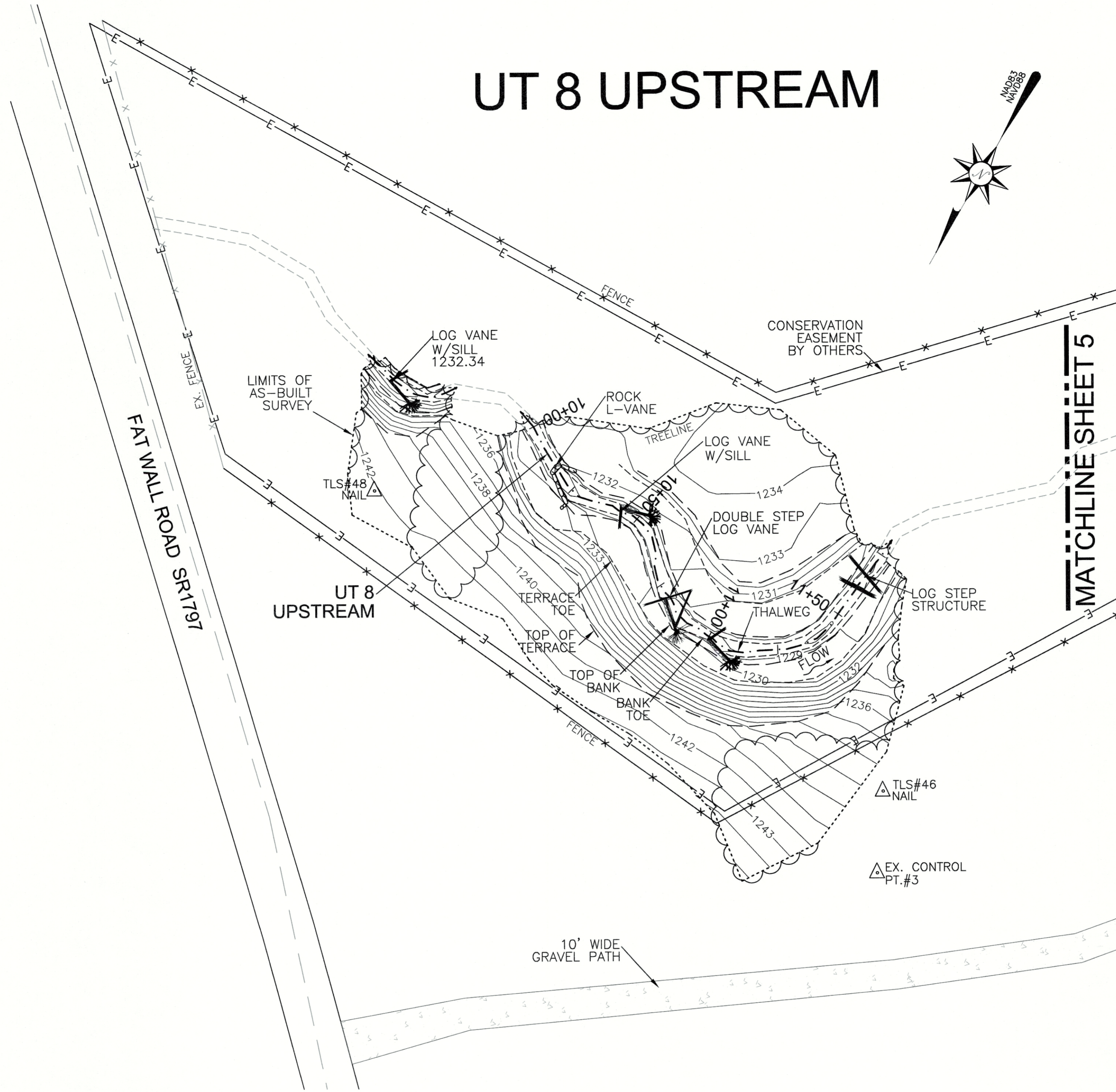
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UT 8 UPSTREAM



REVISIONS, DATE AND INITIAL:

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 www.turnerlandsurveying.com
 Certified DBC/WBE



UT 8 UPSTREAM PLAN & PROFILE

**BOBS CREEK STREAM
 RESTORATION PROJECT**
 NCEEP PROJECT # 92879

NORTH CAROLINA

McDOWELL COUNTY

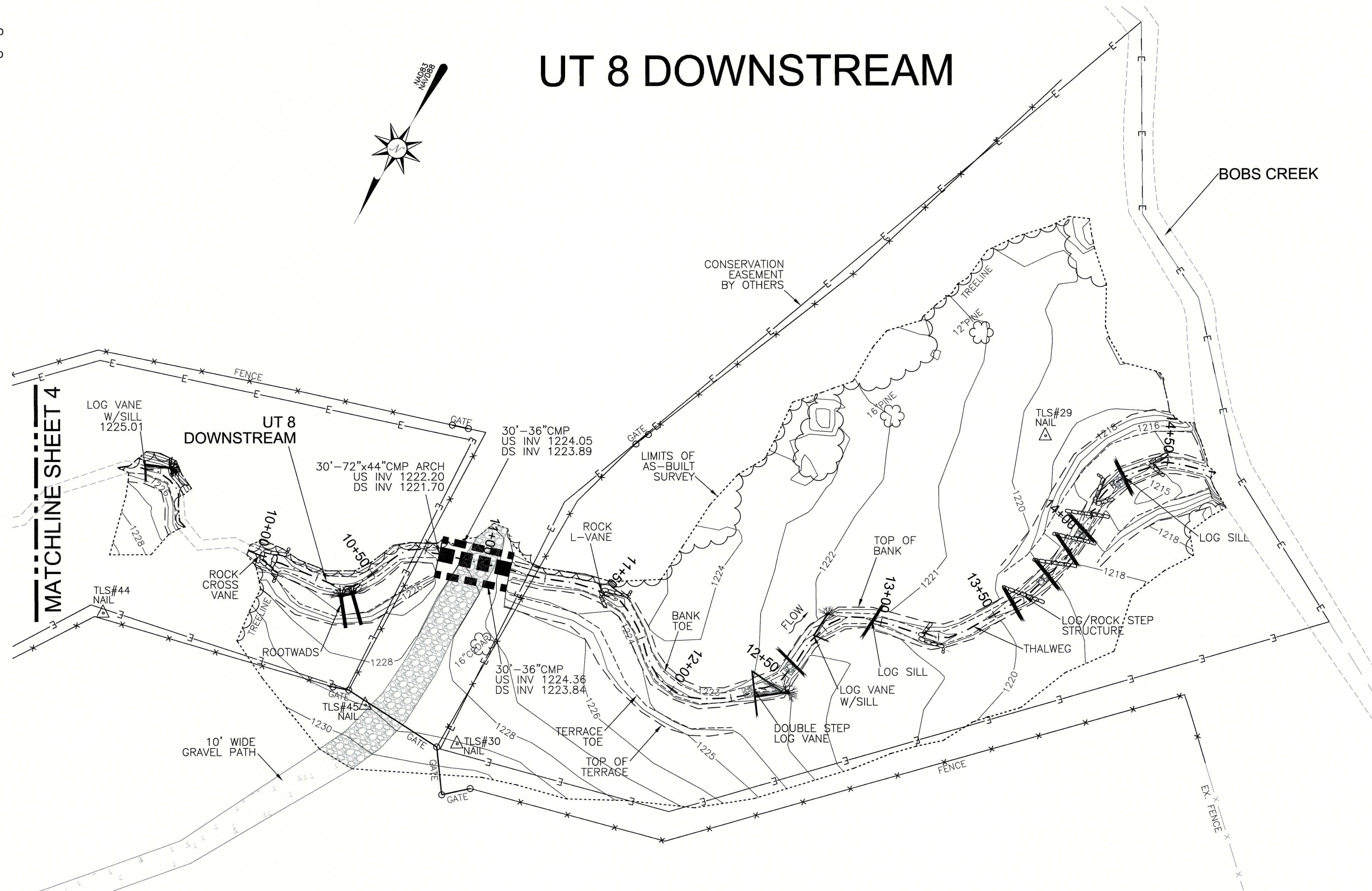
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 ELISABETH G. TURNER, P.L.S. #L-4440
 NORTH CAROLINA PROFESSIONAL LAND SURVEYOR
 SEAL L-4440
 ELISABETH G. TURNER

UT 8 DOWNSTREAM



LEGEND:

---	THALWEG
- - -	TOP OF BANK/TERRACE
- · - · -	BANK/TERRACE TOE
- - - - -	CONSERVATION EASEMENT
x - x - x	FENCE
- · - · -	AS-BUILT SURVEY LIMITS
- - - - -	EX. PROPERTY LINE (NOT SURVEYED)
x - x - x	EXISTING FENCE
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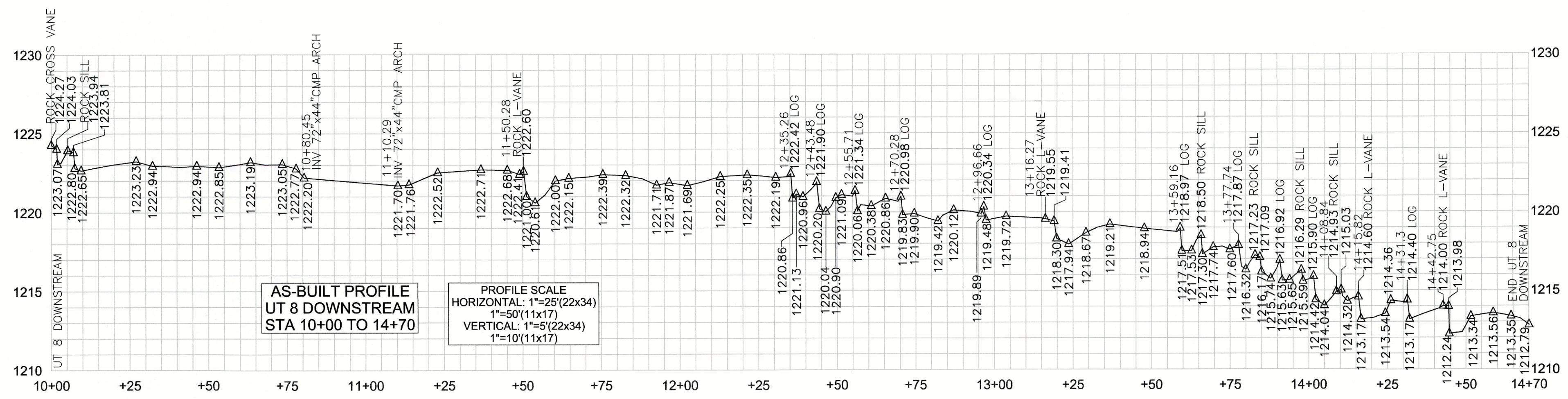
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UT 8 DOWNSTREAM PLAN & PROFILE
BOBS CREEK STREAM RESTORATION PROJECT
 NCEEP PROJECT # 92879

NORTH CAROLINA
 McDOWELL COUNTY
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SHEET
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