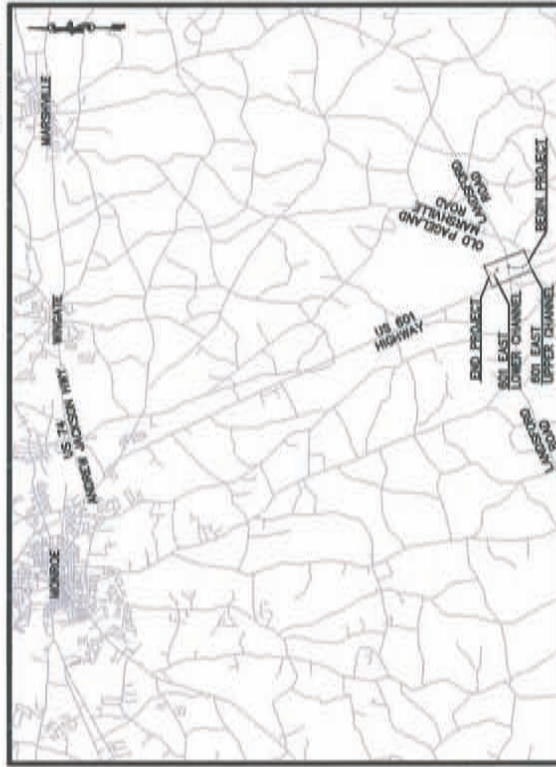


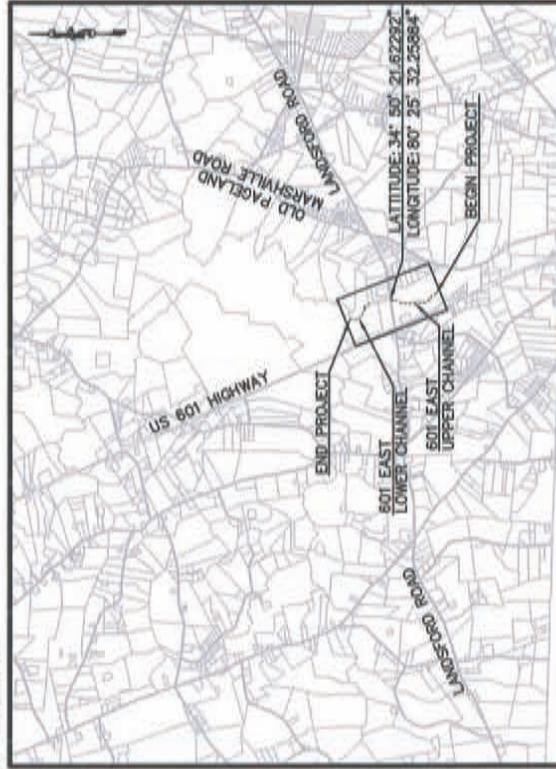
# RECORD DRAWINGS

## 601 EAST

### STREAM AND WETLAND RESTORATION PROJECT UNION COUNTY, NORTH CAROLINA EEP CONTRACT DENR NO:004925 EEP PROJECT NO:95756 RFP 16-004110



VICINITY MAP



LOCATION MAP

#### STREAM DESIGNER AND AS-BUILT SURVEY:

Word Consulting Engineers  
4805 Green Road  
Raleigh, NC 27616  
NC LICENSE NO: C-2619  
PH: 919-870-0526  
FAX: 919-870-5359

#### FULL DELIVERY PROVIDER:

Environmental Banc & Exchange  
909 Capability Drive, Suite 3100  
Raleigh, NC 27606  
PH: 919-829-9809  
FAX: 919-229-9913



#### NATURAL SYSTEMS INVESTIGATION:

The Cartena Group Inc.  
410-B Millstone Drive  
Hillsborough, NC 27278  
PH: 919-732-1300  
FAX: 919-732-1303



NCEEP CONTACT: PAUL WESNER (828) 273-1673  
WARD CONSULTING ENGINEERS CONTACT: BECKY WARD, PE (919) 870-0526  
ENVIRONMENTAL BANC AND EXCHANGE CONTACT: (919) 829-9909

#### INDEX OF SHEETS

SHEET NO.	DESCRIPTION
T1	TITLE SHEET
LI	LEGENDS SYMBOLS AND SHEET KEY
TCS1-TCS2	TYPICAL CONSTRUCTED CROSS SECTIONS
PLAN-PLUG	PLAN VIEWS
PT1-PT5	LONGITUDINAL PROFILES
VP1	PLANTING NOTES
VP2-VP9	PLANTING PLANS

601 EAST  
AS-BUILT  
TITLE SHEET  
UNION COUNTY, NORTH CAROLINA

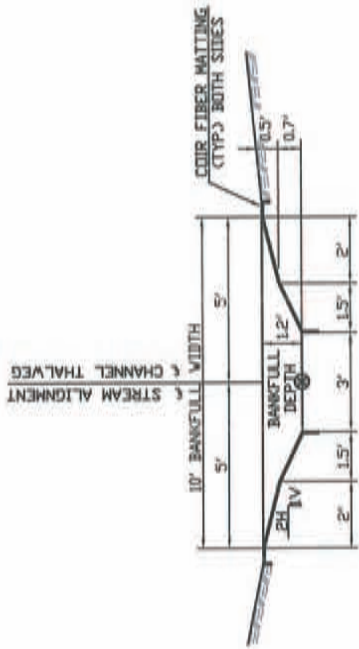
Ward Consulting Engineers, P.C.  
Firm License No. C-8619  
4805 Green Rd., Suite 100  
Raleigh, NC 27616-2048 FAX (919) 870-0526  
Environmental Banc & Exchange  
909 Capability Drive, Suite 3100  
Raleigh, NC 27606 Phone: (919) 829-9909  
Fax: (919) 229-9913



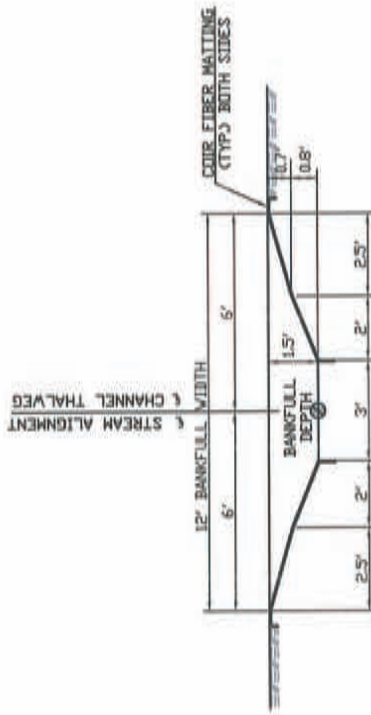
DATE: 08/28/2003	RECORD DRAWINGS
PROJECT NAME: 601 East Stream	PROJECT NO: 95756
DRAWN BY: [Blank]	SCALE: As Shown
CHECKED BY: [Blank]	DATE: 08/28/2003



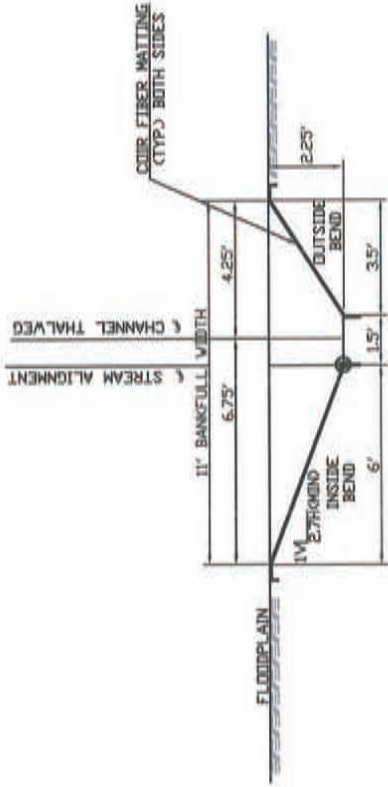
- NOTES:
1. CONTRACTOR TO PROVIDE A SMOOTH TRANSITION BETWEEN THE RIFFLE AND POOL SECTIONS SHOWN BELOW.
  2. INDICATES THE STREAM CENTERLINE ALIGNMENT AS IDENTIFIED ON THE PLAN AND PROFILE SHEETS.
  3. 1' OF STREAM FOR HORIZONTAL LAYOUT AND 1/4" OF THALWEG MAYBE AT DIFFERENT LOCATIONS IN POOL SECTIONS.
  4. USE 700 GRAM COIR FIBER MATTING BLANKET WESTERN EXCELSIOR CORPORATION COIR MAT 700 OR APPROVED EQUAL.



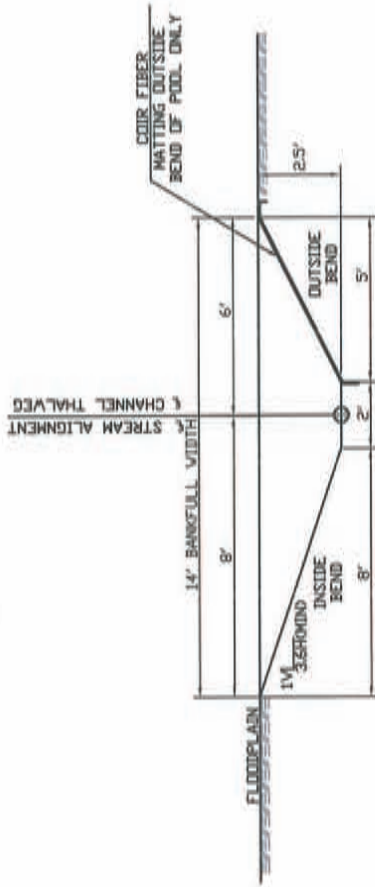
**1** PROPOSED RIFFLE SECTION (REACH 1)  
SCALE: NOT TO SCALE



**3** PROPOSED RIFFLE SECTION (REACH 2)  
SCALE: NOT TO SCALE



**2** PROPOSED POOL SECTION (REACH 1)  
SCALE: NOT TO SCALE



**4** PROPOSED POOL SECTION (REACH 2)  
SCALE: NOT TO SCALE

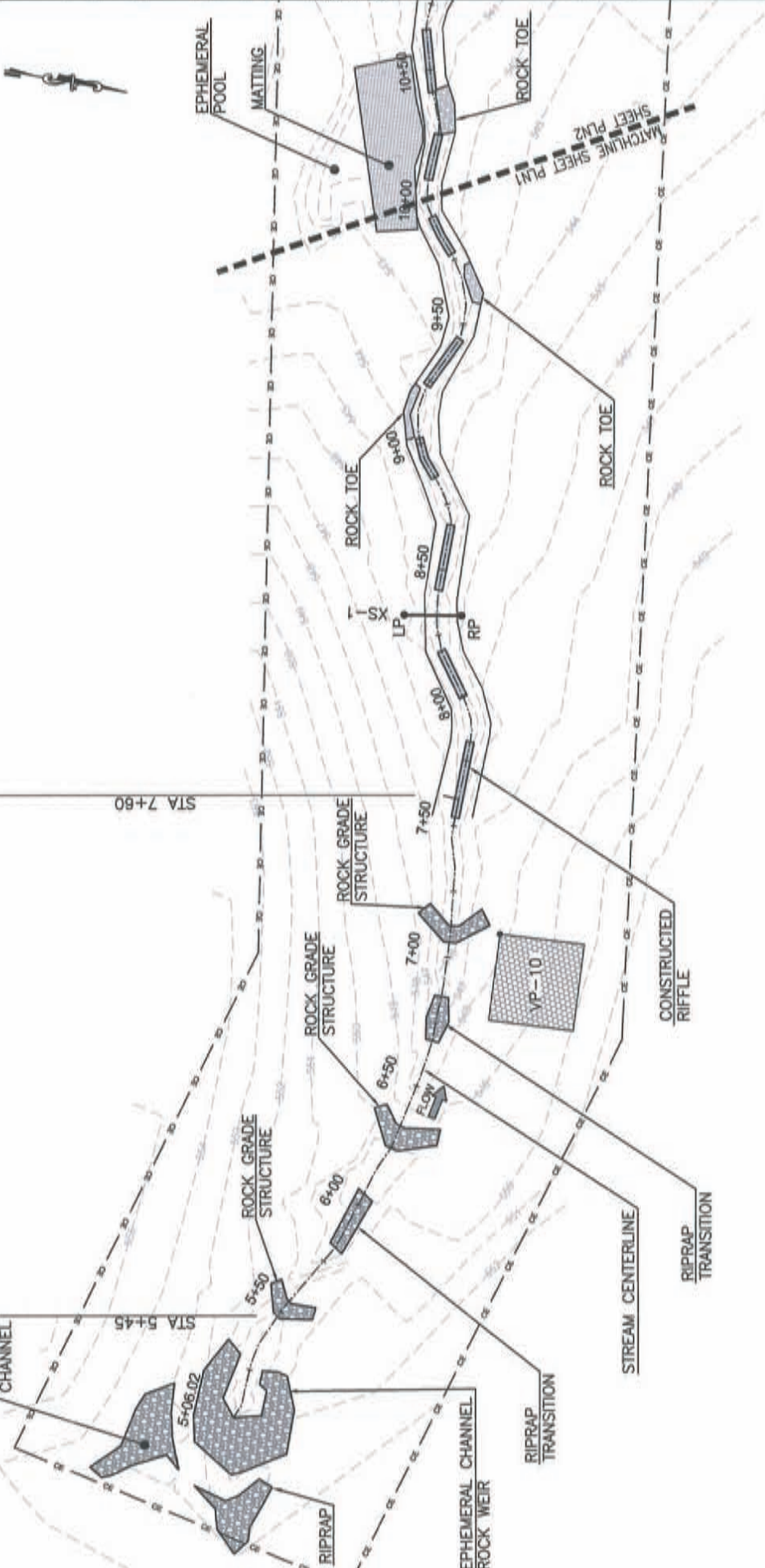




INTERMITTENT REACH 1A  
CHANNEL TYPE "B"

REACH A  
EPHEMERAL CHANNEL

RIPRAP CHANNEL



Veg Plot	Elevation	Northing	Easting
VP-10	547.894	397465.1603	1572520.7387

Cross Section	Elevation	Northing	Easting
XS-1 LP	545.333	397511.7551	1572403.9924
XS-1 RP	545.268	397528.5731	1572417.7687

- LEGEND**
- AS-BUILT SURFACE
  - AS-BUILT STREAM THALWEG
  - AS-BUILT TOP OF BANK
  - AS-BUILT CONSERVATION EASEMENT
  - PERMANENT CROSS SECTION
  - AS-BUILT CONSTRUCTED ROCK RIFFLE
  - AS-BUILT ROCK TOE
  - AS-BUILT BRUSH TOE
  - VEGETATION PLOT

- NOTE:**
- BLACK DOT IN CORNER OF PLANT PLOT INDICATES PLOT CORNER LABELED IN TABLE.
  - BENCH MARKERS SHOWN FROM CONSTRUCTION CONTROL SURVEY SET BY TURNER LAND SURVEYING, PLLC. (LABELED TLS) 3719 BENSON DRIVE RALEIGH, NC 27629 (919)827-0745
  - AS-BUILT SURVEY AND MONITORING FEATURES SET BASED ON TURNER SITE BENCHMARKS.

**Ward Consulting Engineers, P.C.**  
 Environmental Plans & Easements  
 809 Capability Drive, Suite 3100  
 Raleigh, NC 27608 Phone: (919) 829-8008  
 Fax: (919) 229-6913

Professional Seal: **Ward Consulting Engineers, P.C.**  
 State of North Carolina  
 License No. 10000  
 Exp. Date 12/31/2024



601 EAST  
AS-BUILT PLAN VIEW  
STATION 5+00 TO 10+00  
UNION COUNTY, NORTH CAROLINA

DATE: 08/20/2024  
 DRAWING NO.: 601EAS-ASB-PLANVIEW  
 PROJECT NAME: 601 EAST  
 SHEET NO.: 1 OF 1  
 RECORD DRAWINGS  
 SHEET NO.: 1 OF 1



PLN1

REACH 1A  
INTERMITTENT TYPE "B"

REACH 1B  
INTERMITTENT TYPE "B"

REACH 1C  
PERENNIAL TYPE "B"

REACH 1D  
PERENNIAL TYPE "B"

STA 11+10

STA 11+95

STA 13+47

STA 13+97

FARM CROSSING  
36" RCP 48 LF  
INV. IN=534.07  
INV. OUT=533.55

STREAM CENTERLINE

MATTING

ROCK TOE

BRUSH TOE

BRUSH TOE

LP 11+00

RP 11+00

LP 12+00

RP 12+00

LP 13+00

RP 13+00

LP 14+00

RP 14+00

LP 12+50

RP 12+50

LP 13+50

RP 13+50

LP 14+50

RP 14+50

LP 15+00

RP 15+00

LP 16+00

RP 16+00

Veg Plot	Elevation	Northing	Easting
VP-9	539.428	397709.5938	1572200.0227

Cross Section	Elevation	Northing	Easting
XS-2 LP	540.722	397679.7631	1572213.2727
XS-2 RP	540.656	397682.4762	1572232.4822
XS-3 LP	538.548	397782.1264	1572162.3670
XS-3 RP	538.011	397788.4308	1572178.5801
XS-4 LP	534.089	398015.1829	1572144.7317
XS-4 RP	533.668	398022.3468	1572165.7573

LEGEND

- AS-BUILT SURFACE
- AS-BUILT STREAM THALWEG
- AS-BUILT TOP OF BANK
- AS-BUILT CONSERVATION EASEMENT
- PERMANENT CROSS SECTION
- AS-BUILT CONSTRUCTED ROCK RIFFLE
- AS-BUILT ROCK TOE
- AS-BUILT BRUSH TOE
- VEGETATION PLOT



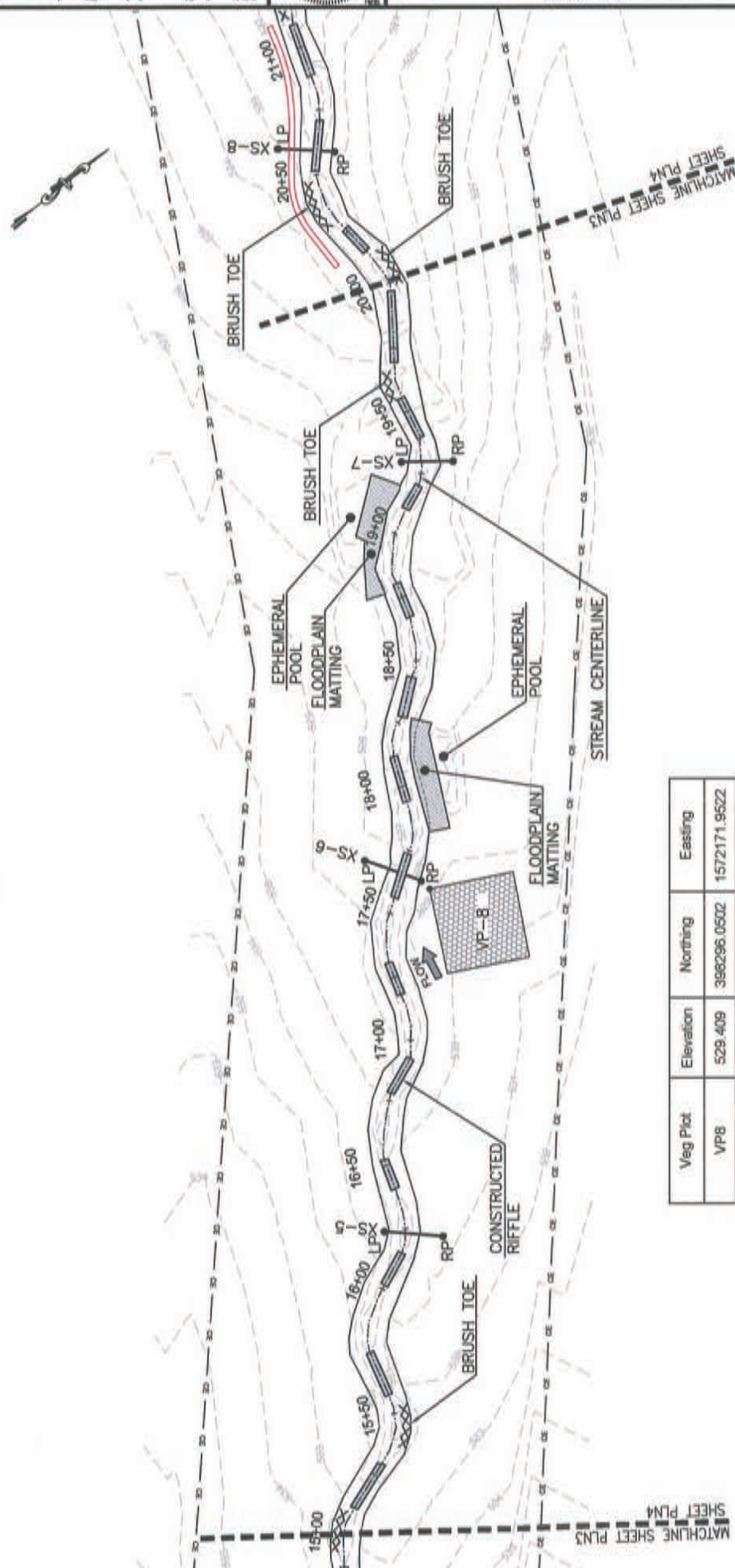
**Ward Consulting Engineers, P.C.**  
FIRM LICENSE NO. C-2819  
4605 Owen Rd, Suite 100  
Raleigh, NC 27616-2948  
(919) 870-0520  
FAX (919) 870-0529

Environmental Services & Exchange  
2000 Capital Drive, Suite 2100  
Raleigh, NC 27606  
(919) 229-6613  
FAX (919) 229-6613

**601 EAST  
AS-BUILT PLAN VIEW  
STATION 10+00 TO 15+00  
UNION COUNTY, NORTH CAROLINA**

DATE: 10/18/2011  
PROJECT NAME: [REDACTED]  
JOB NO: [REDACTED]  
DRAWING NO: [REDACTED]  
SCALE: [REDACTED]  
TIME: [REDACTED]  
RECORD DRAWINGS: [REDACTED]  
SHEET NO: [REDACTED]

REACH 1D  
PERENNIAL TYPE "B"



LEGEND

- AS-BUILT SURFACE
- AS-BUILT STREAM THALWEG
- AS-BUILT TOP OF BANK
- AS-BUILT CONSERVATION EASEMENT
- PERMANENT CROSS SECTION
- AS-BUILT CONSTRUCTED ROCK RIFFLE
- AS-BUILT ROCK TOE
- AS-BUILT BRUSH TOE
- VEGETATION PLOT

Veg Plot	Elevation	Northing	Easting
VP8	529.409	398296.0502	1572171.9522

Cross Section	Elevation	Northing	Easting
XS-5 LP	530.829	398165.3735	1572161.2797
XS-5 RP	530.904	398164.7815	1572183.7985
XS-6 LP	528.487	398305.6269	1572146.9679
XS-6 RP	528.795	398298.9918	1572188.6957
XS-7 LP	525.414	398457.1783	1572153.2354
XS-7 RP	525.247	398458.5135	1572172.8233

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Environmental Bank & Exchange  
 900 Capital Dr., Suite 3100  
 Raleigh, NC 27606  
 Phone: (919) 820-9000  
 Fax: (919) 229-0013



601 EAST  
AS-BUILT PLAN VIEW  
STATION 15+00 TO 20+00  
UNION COUNTY, NORTH CAROLINA

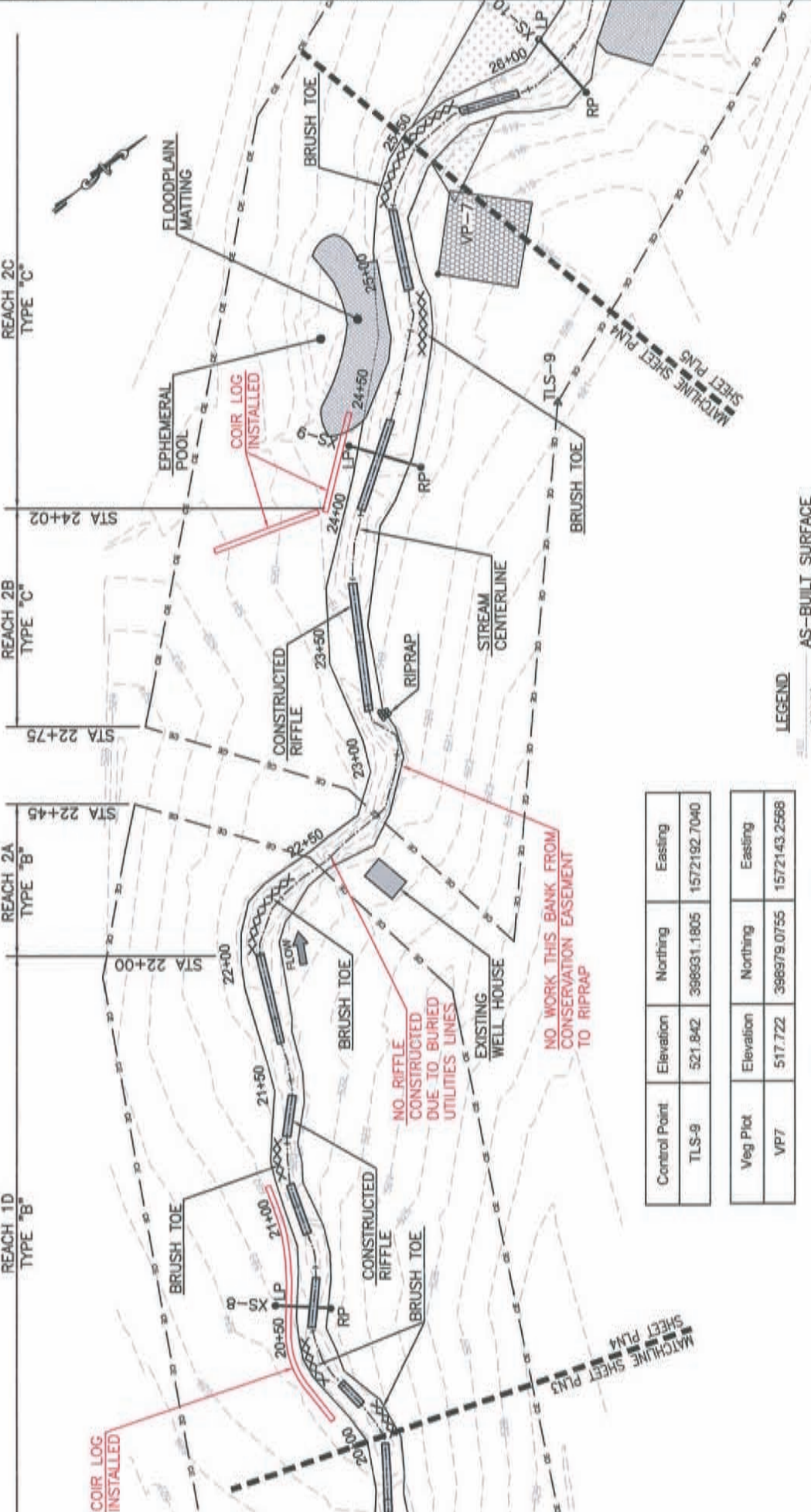
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 DRAWING NO.:  
 PROJECT NAME:  
 SHEET NO.:  
 SHEET TOTAL:  
 RECORD DRAWINGS  
 SHEET NO.:  
 SCALE: 1"=40'



PLN3



DATE	10/18/2016
PROJECT NAME	601 EAST
PROJECT NO.	16-0000
SCALE	1"=40'
RECORD DRAWINGS	
SHEET NO.	PLN4



- LEGEND**
- 57+50 AS-BUILT SURFACE
  - AS-BUILT STREAM THALWEG
  - AS-BUILT TOP OF BANK
  - AS-BUILT CONSERVATION EASEMENT
  - XS-1 PERMANENT CROSS SECTION
  - AS-BUILT CONSTRUCTED ROCK RIFFLE
  - AS-BUILT ROCK TOE
  - AS-BUILT BRUSH TOE
  - VP-16 VEGETATION PLOT
  - A CONTROL POINT



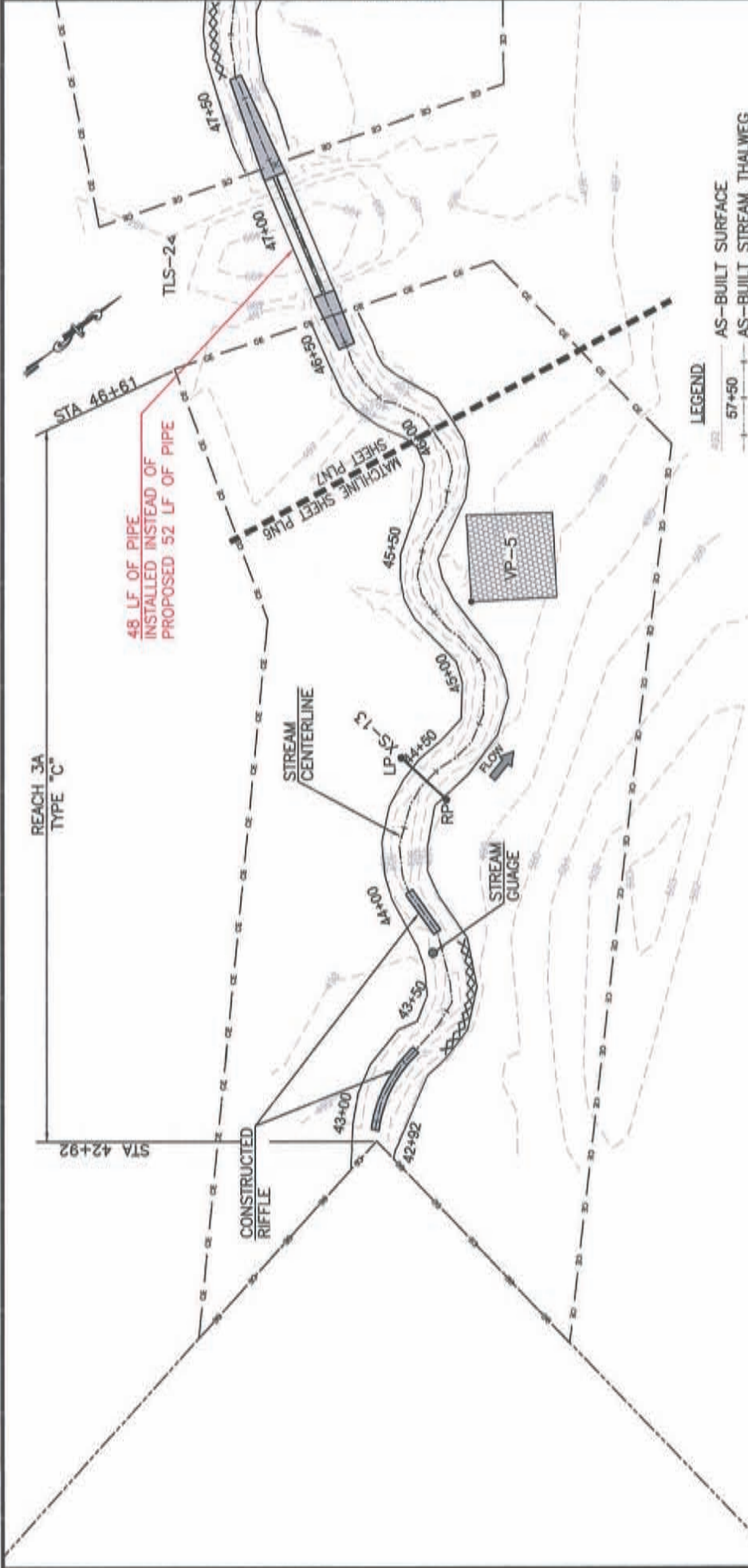
Control Point	Elevation	Northing	Easting
TLS-9	521.842	398631.1805	1572192.7040

Veg Plot	Elevation	Northing	Easting
VP7	517.722	398679.0755	1572143.2568

Cross Section	Elevation	Northing	Easting
XS-8 LP	523.059	398573.4555	1572100.3479
XS-8 RP	522.549	398573.3919	1572121.9122
XS-9 LP	518.250	398910.1715	1572111.9904
XS-9 RP	517.718	398903.3405	1572140.5639







48 LF OF PIPE  
 INSTALLED INSTEAD OF  
 PROPOSED 52 LF OF PIPE

- LEGEND**
- AS-BUILT SURFACE
  - AS-BUILT STREAM THALWEG
  - AS-BUILT TOP OF BANK
  - PERMANENT CROSS SECTIONS
  - AS-BUILT CONSERVATION EASEMENT
  - AS-BUILT CONSTRUCTED ROCK RIFFLE
  - AS-BUILT ROOT WAD
  - AS-BUILT LOG WANE
  - AS-BUILT BRUSH TOE
  - VEGETATION PLOT
  - STREAM GAUGE
  - CONTROL POINT

**NOTE:**  
 ALL RIFFLES NOT CONSTRUCTED  
 TOP DRESSED WITH NATIVE ROCK THIS SHEET.

Veg Plot	Elevation	Northing	Easting
VP-5	497.138	400848.7936	1571923.3215

Cross Section	Elevation	Northing	Easting
XS-13 LP	497.982	400791.3334	1571953.3928
XS-13 RP	498.641	400794.8559	1571976.3664

Control Point	Elevation	Northing	Easting
TLS-2	466.742	400844.9925	1571745.0270

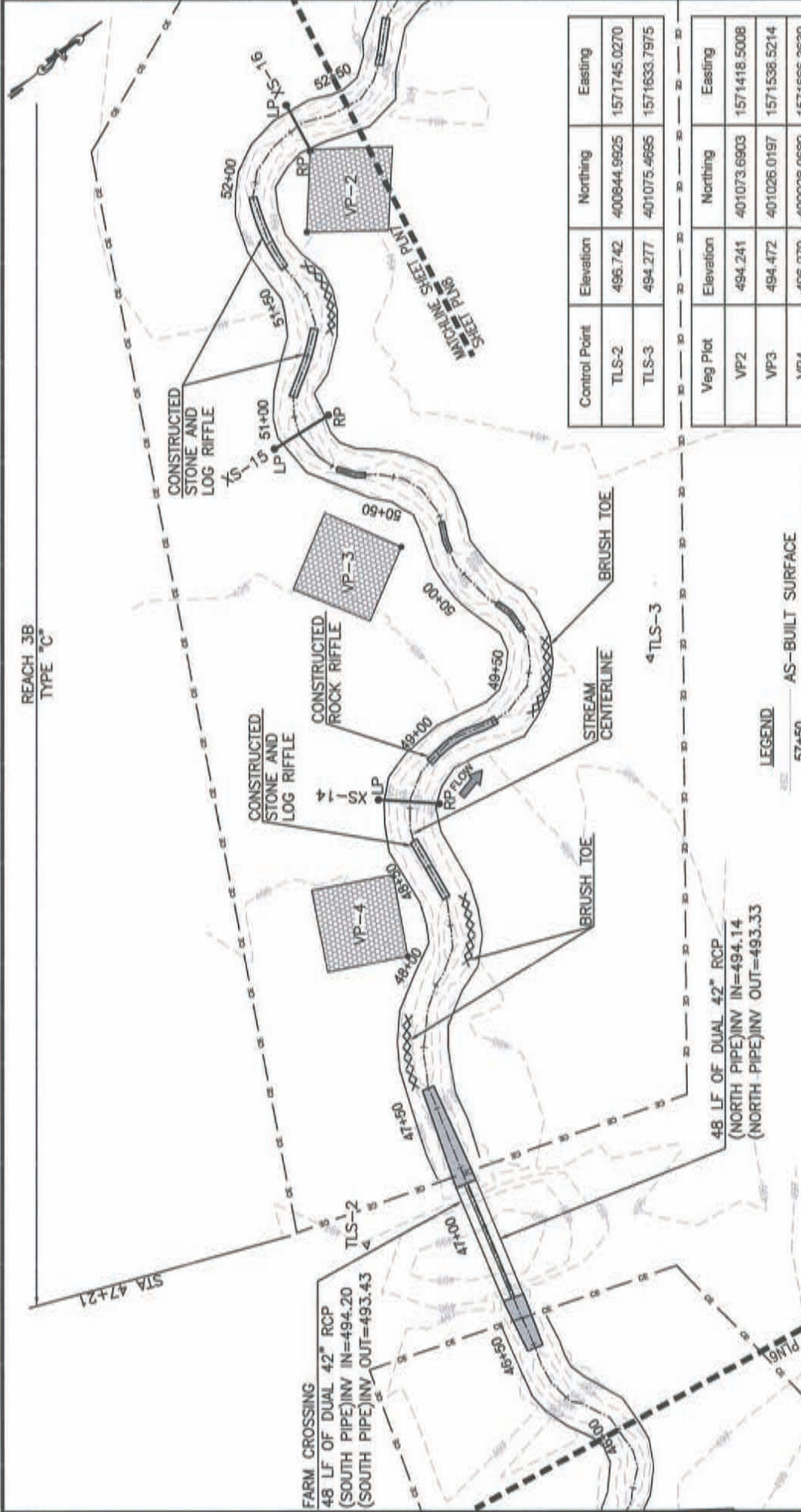
REACH 3B  
TYPE "C"

**Ward Consulting Engineers, P.C.**  
 Environmental Services & Exchange  
 800 Capability Drive, Suite 3100  
 Raleigh, NC 27606 Phone: (919) 829-9000  
 Fax: (919) 229-0013

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 Raleigh, NC 27616-2948  
 Phone: (919) 870-0326  
 Fax: (919) 870-0328

Professional Engineer  
 State of North Carolina  
 License No. 10000

601 EAST  
 AS-BUILT PLAN VIEW  
 STATION 46+00 TO 52+50  
 UNION COUNTY, NORTH CAROLINA



Cross Section	Elevation	Northing	Eastng
XS-14 LP	495.686	400957.4293	1571610.9769
XS-14 RP	495.891	400975.1539	1571627.0500
XS-15 LP	494.501	401010.9149	1571477.5248
XS-15 RP	494.627	401035.6978	1571480.2542
XS-16 LP	493.920	401098.4135	1571374.4520
XS-16 RP	494.028	401094.7191	1571394.3939

**LEGEND**

- 57+50 AS-BUILT SURFACE
- AS-BUILT STREAM THALWEG
- AS-BUILT TOP OF BANK
- XS-1 PERMANENT CROSS SECTION
- AS-BUILT CONSERVATION EASEMENT
- AS-BUILT CONSTRUCTED ROCK RIFFLE
- AS-BUILT STONE AND LOG RIFFLE
- AS-BUILT ROOT WAD
- AS-BUILT LOG VANE
- AS-BUILT BRUSH TOE
- VEGETATION PLOT
- CONTROL POINT

Control Point	Elevation	Northing	Eastng
TLS-2	496.742	400844.9625	1571745.0270
TLS-3	494.277	401075.4695	1571633.7975

Veg Plot	Elevation	Northing	Eastng
VP2	494.241	401073.6903	1571418.5008
VP3	494.472	401026.0197	1571536.5214
VP4	496.079	400928.0689	1571666.3630

**NOTE:**  
 ALL RIFFLES NOT CONSTRUCTED  
 TOP DRESSED WITH NATIVE ROCK THIS SHEET.



PLN7

MATCHING SHEET  
 SHEET PLAN7  
 Pipe

FARM CROSSING  
 48 LF OF DUAL 42" RCP  
 (SOUTH PIPE)INV IN=494.20  
 (SOUTH PIPE)INV OUT=493.43

48 LF OF DUAL 42" RCP  
 (NORTH PIPE)INV IN=494.14  
 (NORTH PIPE)INV OUT=493.33

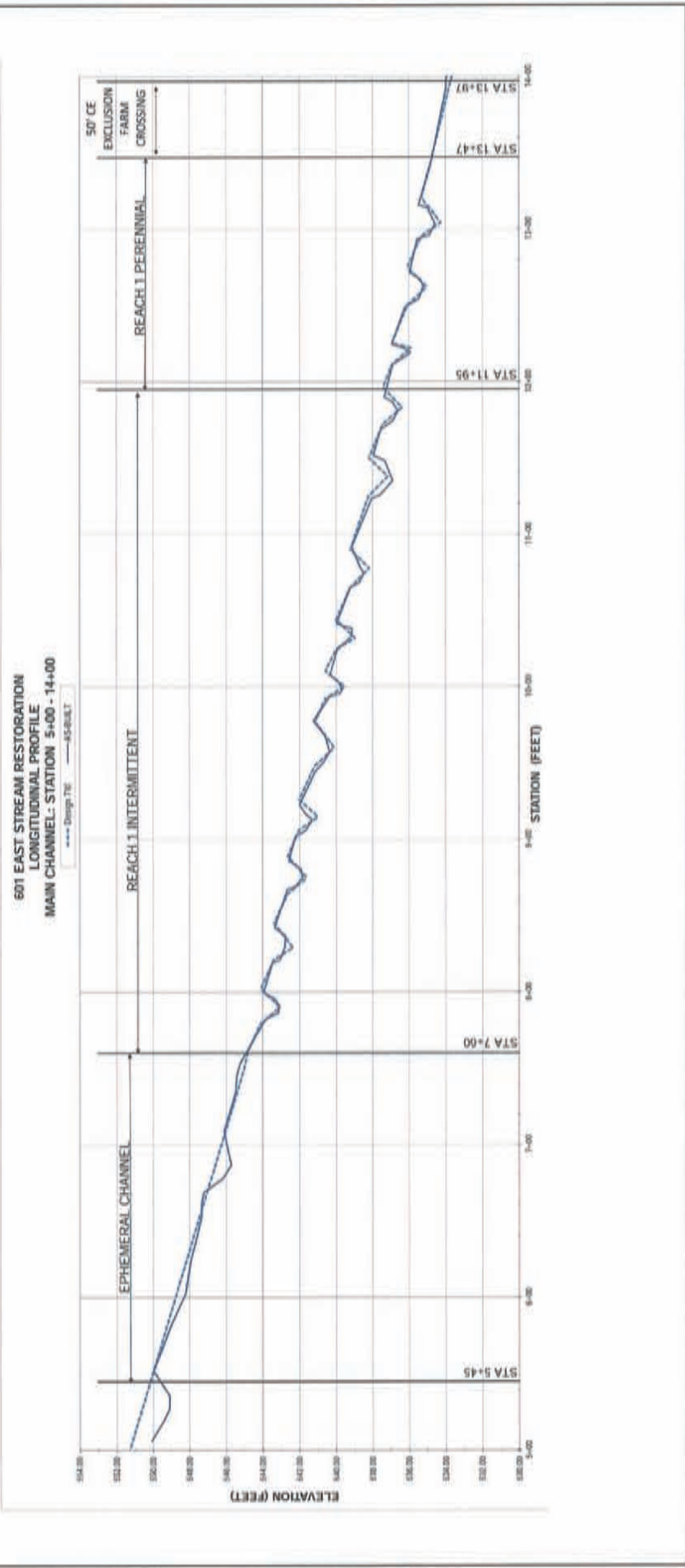


Ward Consulting Engineers, P.C.  
 Environmental Data & Exchange  
 4805 Green Rd, Suite 100  
 Raleigh, NC 27616-2948 FAX (919) 870-0326  
 809 Capital Dr, Suite 3100  
 Raleigh, NC 27606 Phone (919) 820-0000  
 Fax: (919) 229-0913



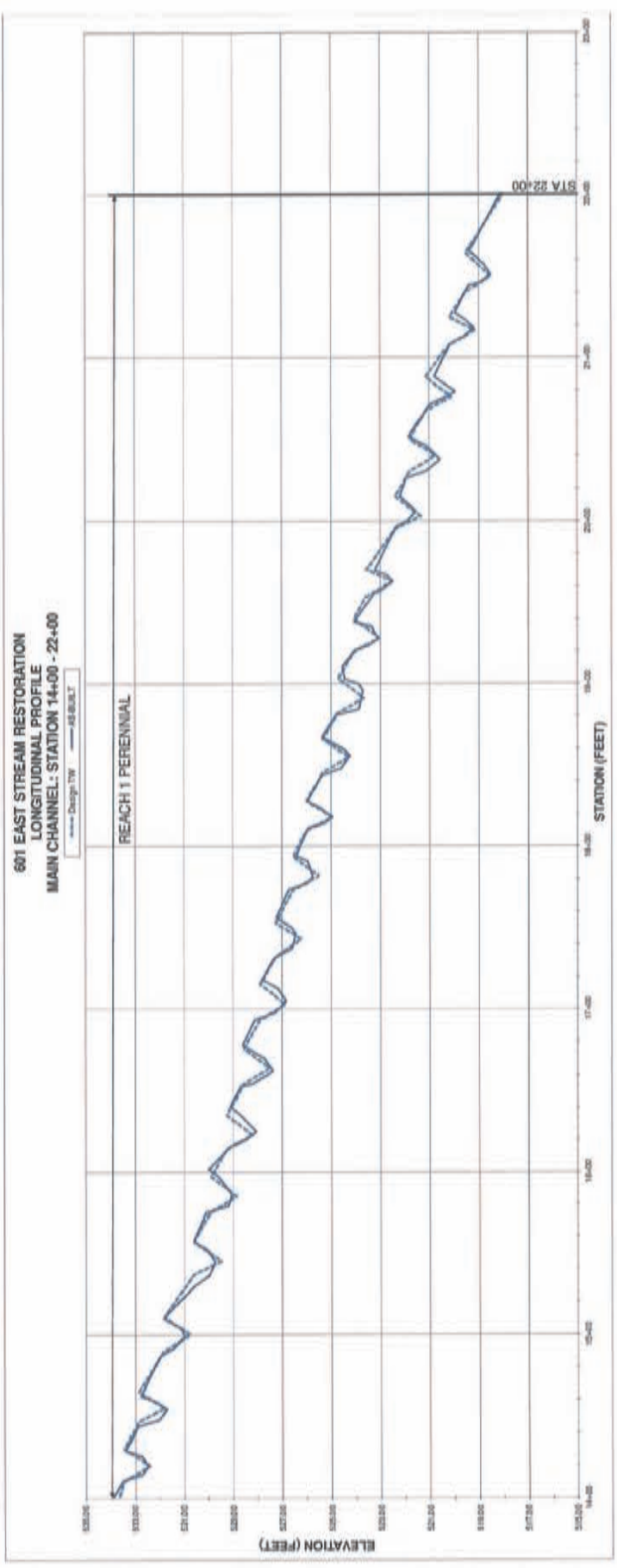
601 EAST AS-BUILT  
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 UNION COUNTY, NORTH CAROLINA

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 PROJECT NAME: 601 East Stream  
 SHEET NO.: 022  
 RECORD DRAWINGS  
 SHEET NO.



DATE: 10/13/2010  
 PROJECT NAME: 601 EAST AS-BUILT  
 SHEET NO.:  
 RECORD DRAWINGS  
 SHEET NO.:

601 EAST  
 AS-BUILT  
 REACH 1 LONGITUDINAL PROFILE  
 UNION COUNTY, NORTH CAROLINA



**Ward Consulting Engineers, P.C.**  
 FURN LICENSE NO. C-6619  
 4805 Green Rd, Suite 100  
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 Environmental Services & Exchange  
 909 Capital Dr., Suite 3100  
 Raleigh, NC 27608 Phone: (919) 820-0000  
 Fax: (919) 229-0013



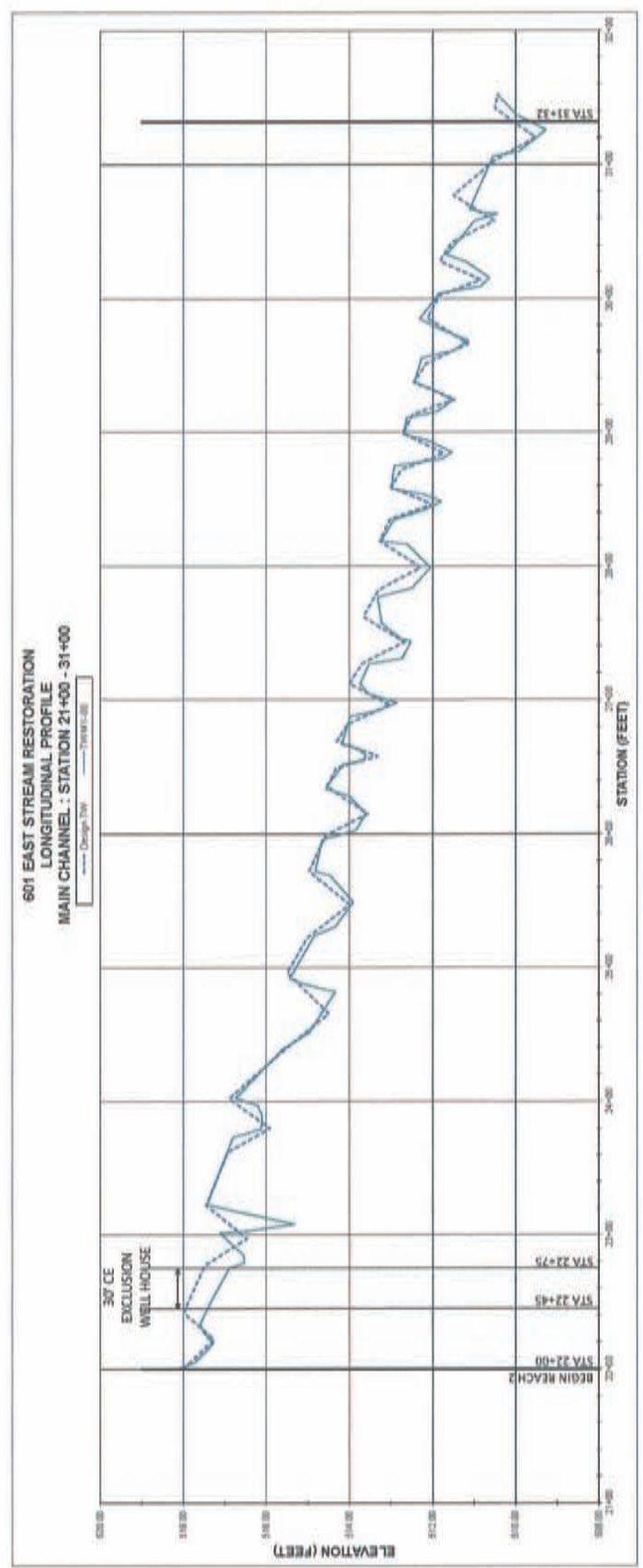
RECORD DRAWINGS  
DATE: 01/23/2013  
DRAWING NO.

PROJECT NAME:  
601 East Stream  
SHEET NO.:  
SHEET TOTAL:  
DATE PLOTTED:  
SCALE:  
DRAWN BY:  
CHECKED BY:  
DESIGNED BY:  
APPROVED BY:

601 EAST  
AS-BUILT  
REACH 2 LONGITUDINAL PROFILE  
UNION COUNTY, NORTH CAROLINA



Ward Consulting Engineers, P.C.  
Firm License No. C-8619  
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Raleigh, NC 27616-8848 FAX (919) 870-0566  
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609 Capital Drive, Suite 3100  
Raleigh NC 27606 Phone: (919) 829-8800  
Fax: (919) 229-8813



Ward Consulting Engineers, P.C.  
 Environmental Science & Exchange  
 809 Capaldi Drive, Suite 3100  
 Raleigh, NC 27603 Phone: (919) 870-8000  
 Fax: (919) 229-9913

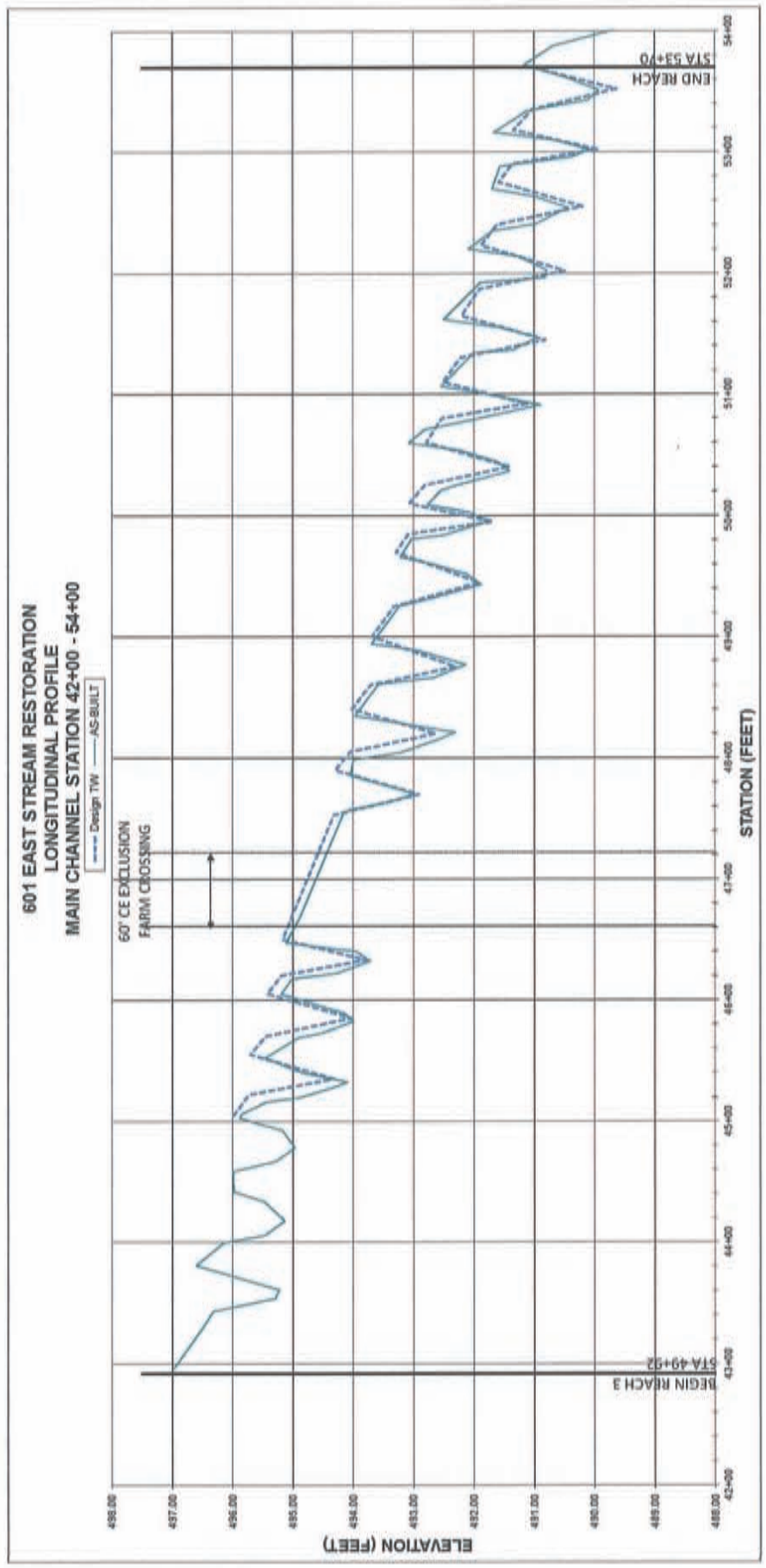


601 EAST  
 AS-BUILT  
 REACH 3 LONGITUDINAL PROFILE  
 UNION COUNTY, NORTH CAROLINA

PROJECT NAME	601 East Drive
DRAWN BY	Engineering
CHECKED BY	Engineering
DATE	6/23/10
RECORD DRAWINGS	601EAS

601 EAST STREAM RESTORATION  
 LONGITUDINAL PROFILE  
 MAIN CHANNEL STATION 42+00 - 54+00

--- Design TW --- AS-BUILT





RECORD DRAWINGS  
SHEET NO.

PROJECT NAME  
601 East Stream  
SHEET NO.  
AS-BUILT PROFILE

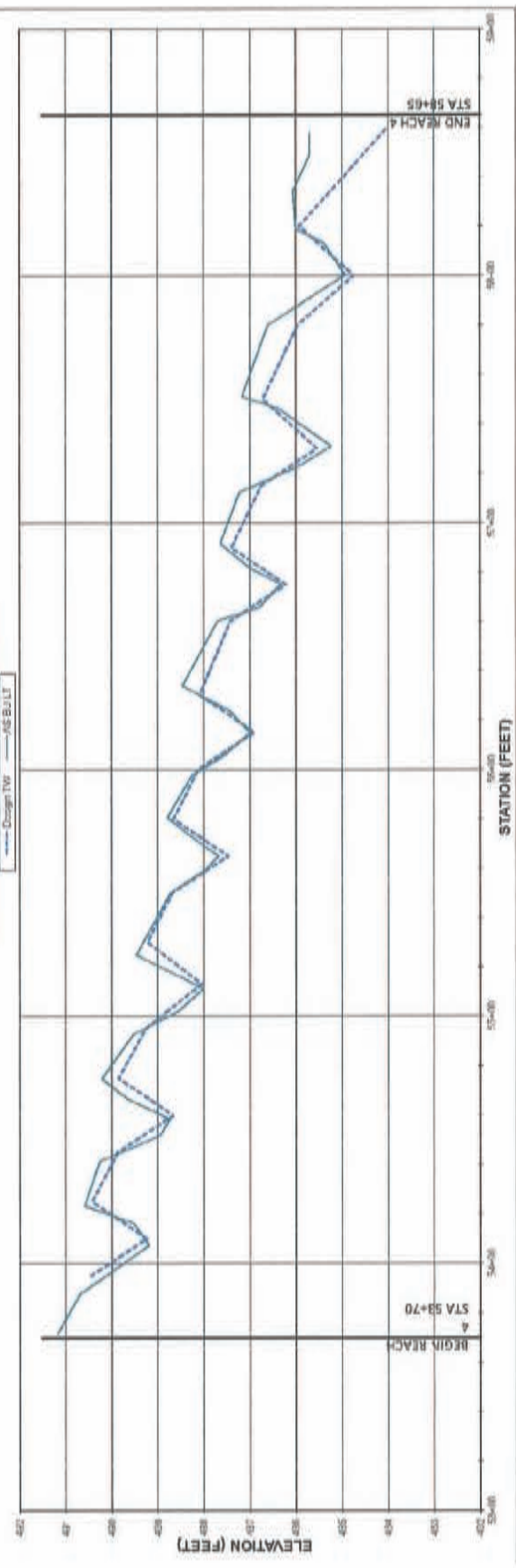
DATE  
10/20/2010

601 EAST  
AS-BUILT  
REACH 4 LONGITUDINAL PROFILE  
UNION COUNTY, NORTH CAROLINA



Ward Consulting Engineers, P.C.  
FIRM LICENSE NO. C-8619  
4003 Green Rd, Suite 100  
Raleigh, NC 27616-2048 FAX (919) 870-0086  
Environmental Services & Exchange  
809 Capital City Drive, Suite 3100  
Raleigh NC 27608 Phone: (919) 870-8000  
Fax: (919) 229-9913

601 EAST STREAM RESTORATION  
LONGITUDINAL PROFILE  
MAIN CHANNEL - STATION 53+00 - 58+70





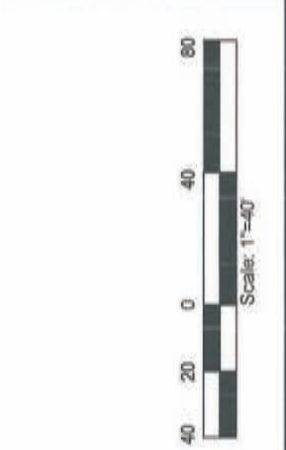
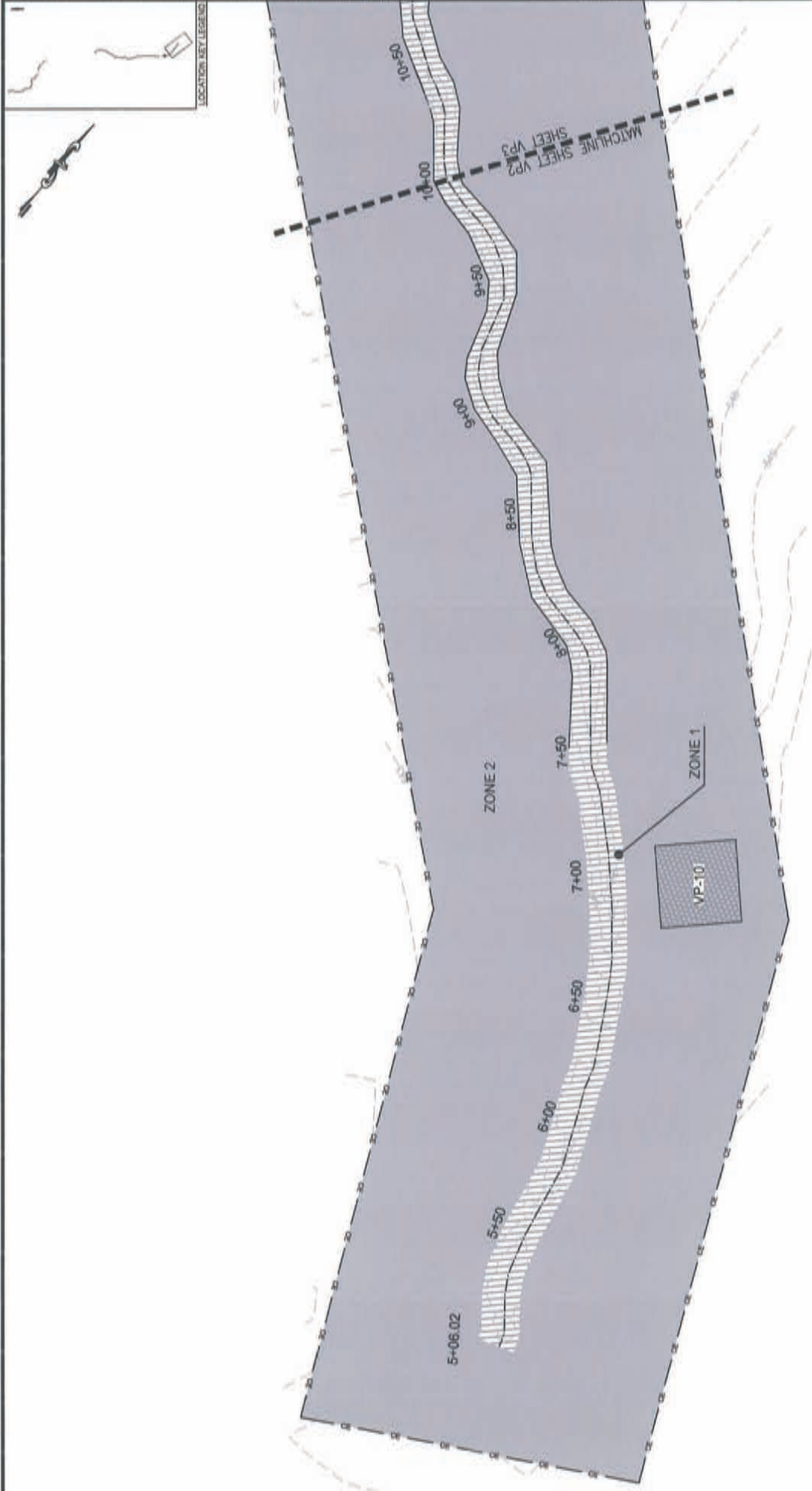
Environmental Bar & Exchange  
 509 Capability Drive, Suite 2100  
 Raleigh, NC 27606 Phone: (919) 820-8000  
 Fax: (919) 229-0913

Ward Consulting Engineers, P.C.  
 FIRM LICENSE NO. C-2819  
 4805 Owen Rd., Suite 100  
 Raleigh, NC 27612-2848  
 Phone: (919) 870-0536  
 Fax: (919) 870-0539



601 EAST  
 AS-BUILT PLANTING PLAN  
 STATION 5+00 TO 10+00  
 UNION COUNTY, NORTH CAROLINA

DATE	11/28/2018
DESCRIPTION	
DESIGNED BY	
CHECKED BY	
IN CHARGE	
PROJECT NAME	601 East
FILE NUMBER	18-00000000
DATE OF DRAWING	
SCALE	As Shown
SECOND DRAWINGS	
SHEET NO.	VP2



- LEGEND**
- ZONE 1 - STREAMBANK
  - ZONE 2 - "B" STREAM TYPE STEEP VALLEY SLOPE
  - ZONE 3 - "C" STREAM TYPE FLAT AND BROAD FLOODPLAIN
  - ZONE 4 - WETLAND AREA
  - ZONE 5 - TEMPORARY ACCESS AREA - TEMPORARY SEED MIX
  - VEGETATION PLOT



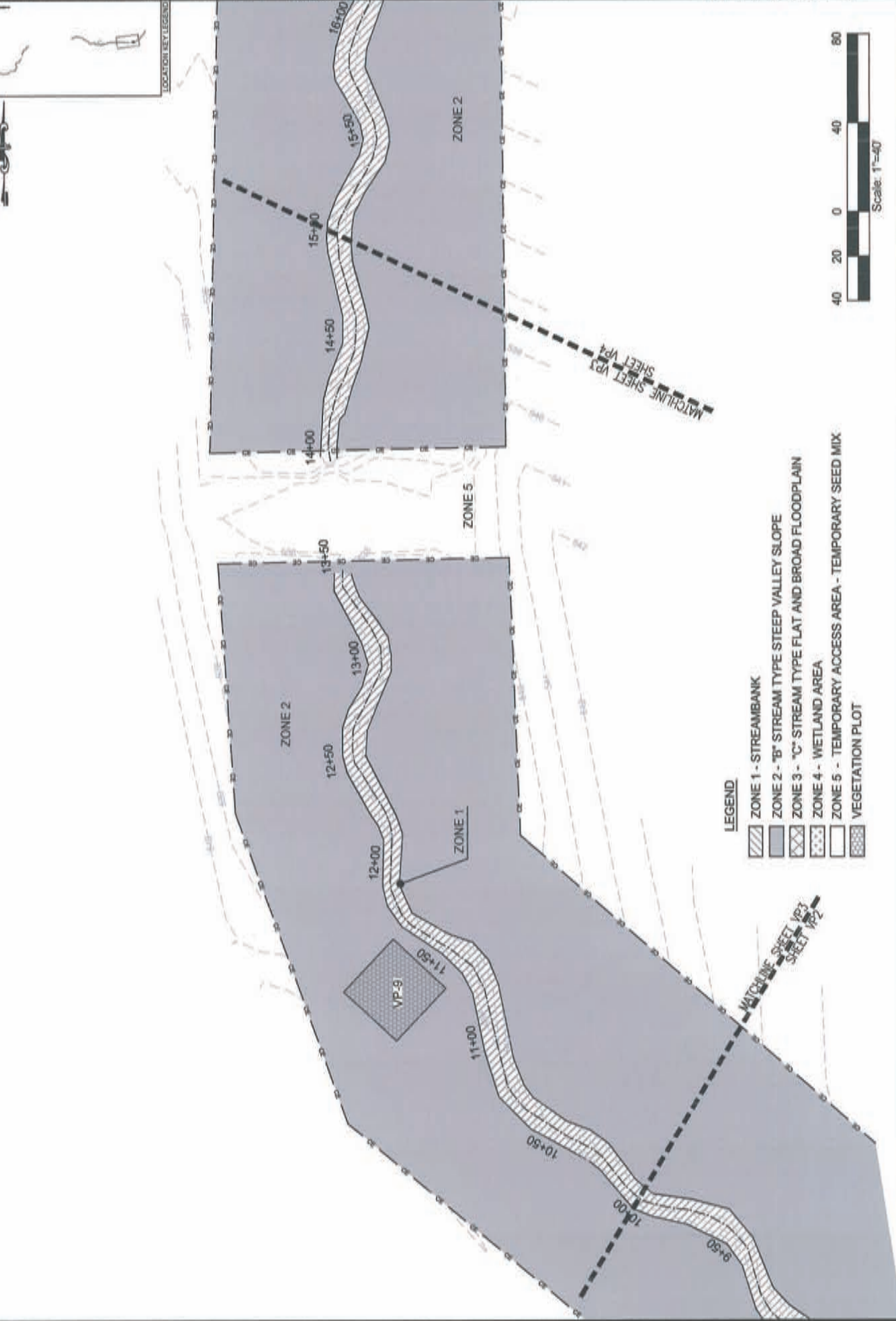
601 EAST  
AS-BUILT PLANTING PLAN  
STATION 10+00 TO 15+00  
UNION COUNTY, NORTH CAROLINA

**Ward Consulting Engineers, P.C.**  
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Environmental Services & Exchange  
 309 Capital City Dr., Suite 3100  
 Raleigh, NC 27606  
 Phone: (919) 829-0000  
 Fax: (919) 229-0913



DATE: 11/08/2013	PROJECT NAME:	RECORD DRAWINGS
DESIGNED BY:	DATE:	SHEET NO.:
CHECKED BY:	DATE:	
APPROVED BY:	DATE:	



- LEGEND**
- ▨ ZONE 1 - STREAMBANK
  - ▩ ZONE 2 - "B" STREAM TYPE STEEP VALLEY SLOPE
  - ▧ ZONE 3 - "C" STREAM TYPE FLAT AND BROAD FLOODPLAIN
  - ▤ ZONE 4 - WETLAND AREA
  - ▥ ZONE 5 - TEMPORARY ACCESS AREA - TEMPORARY SEED MIX
  - ▦ VEGETATION PLOT



LOCATION KEY LEGEND



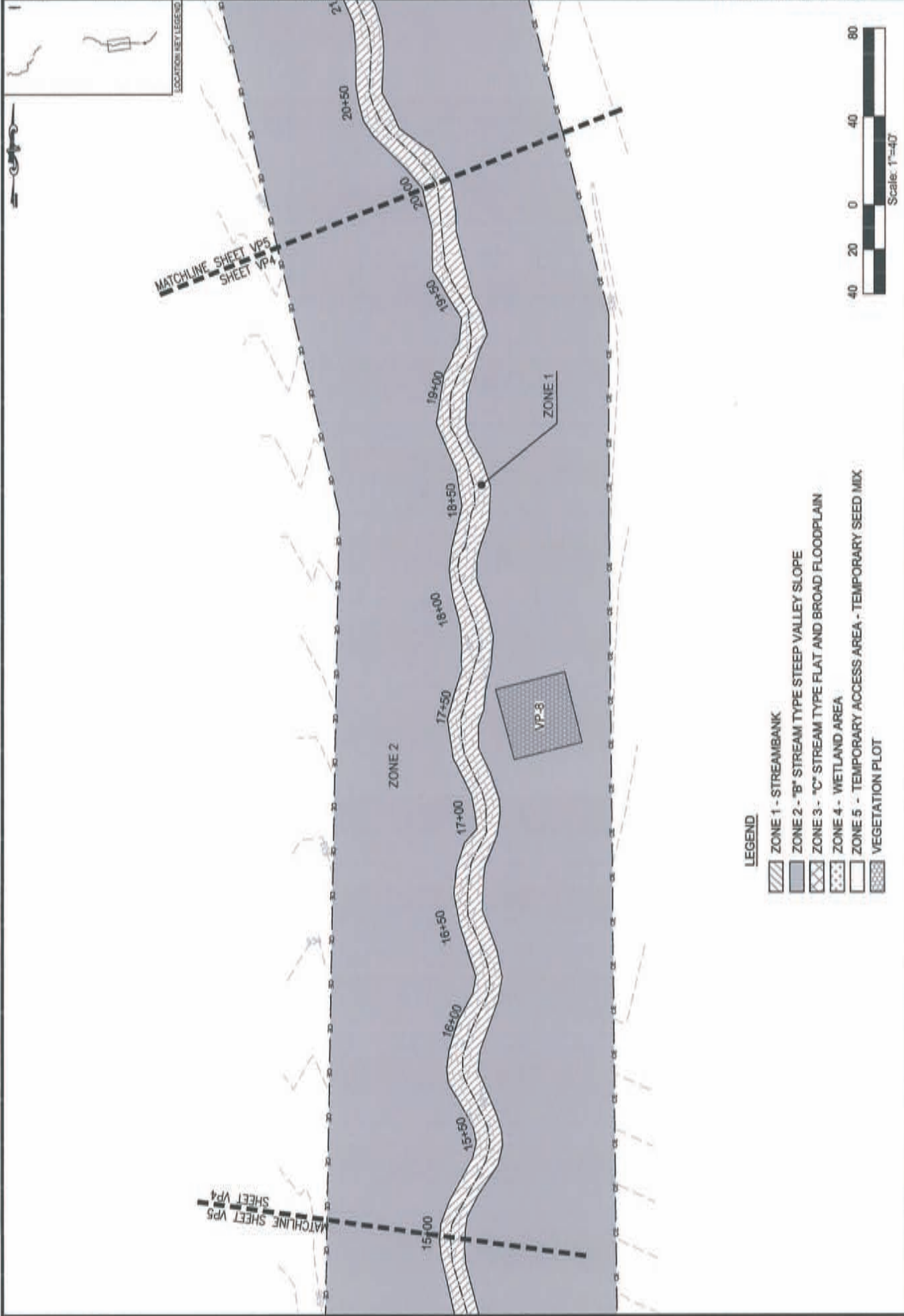
Ward Consulting Engineers, P.C.  
 PIMA LICENSE NO. 0-2610  
 4805 Green Rd, Suite 100  
 Raleigh, NC 27616-2848  
 (919) 870-0526  
 FAX (919) 870-5359

Environmental Plans & Exchange  
 600 Capability Drive, Suite 2100  
 Raleigh, NC 27606  
 Phone: (919) 829-0000  
 Fax: (919) 229-0913



601 EAST  
 AS-BUILT PLANTING PLAN  
 STATION 15+00 TO 20+00  
 UNION COUNTY, NORTH CAROLINA

DATE: 01/17/2014	REVISIONS:
PROJECT NAME:	
DATE:	
SCALE:	
AS NOTED	
RECORD DRAWINGS	
DRAWN BY:	
CHECKED BY:	
VP4	



**LEGEND**

- ZONE 1 - STREAMBANK
- ZONE 2 - "B" STREAM TYPE STEEP VALLEY SLOPE
- ZONE 3 - "C" STREAM TYPE FLAT AND BROAD FLOODPLAIN
- ZONE 4 - WETLAND AREA
- ZONE 5 - TEMPORARY ACCESS AREA - TEMPORARY SEED MIX
- VEGETATION PLOT



LOCATION KEY LEGEND



601 EAST  
AS-BUILT PLANTING PLAN  
STATION 20+00 TO 26+00  
UNION COUNTY, NORTH CAROLINA

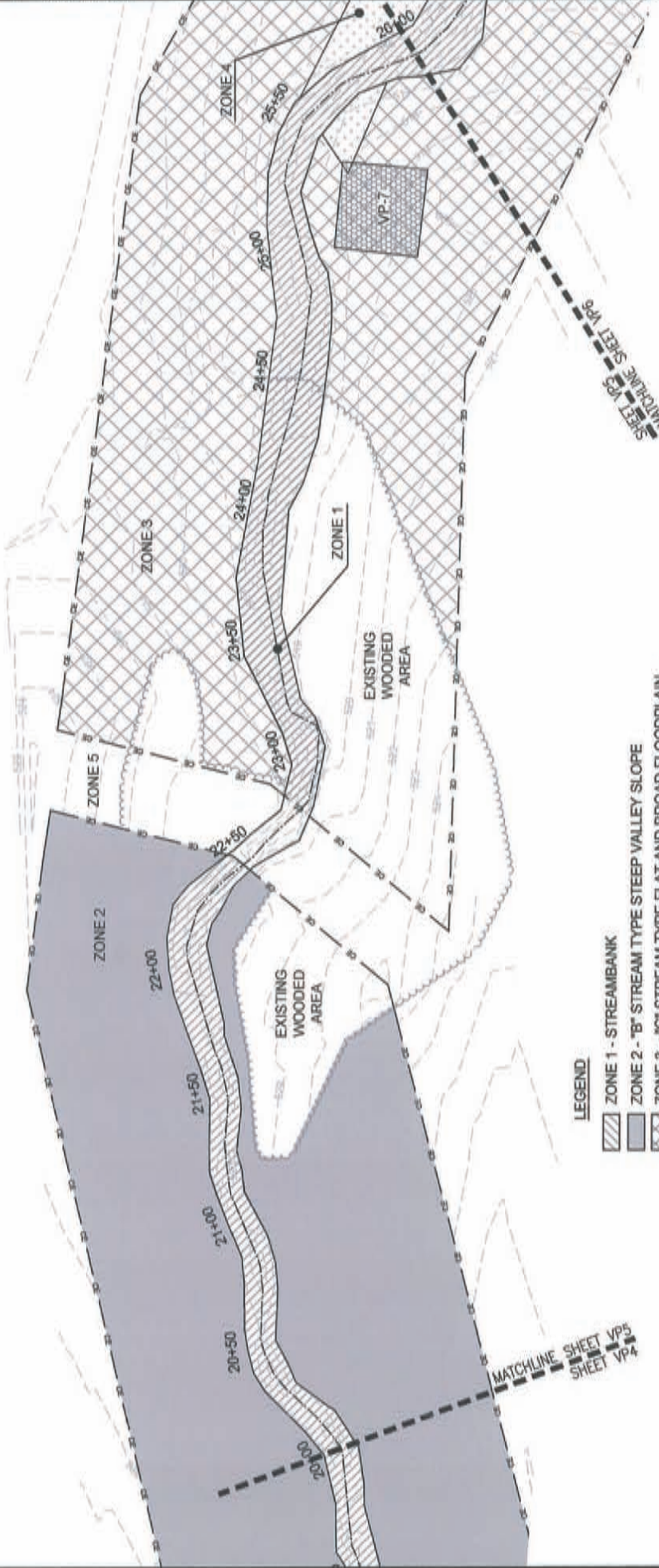
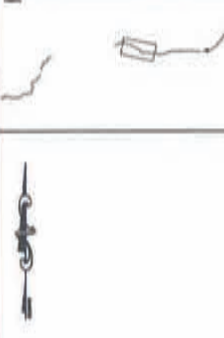
**Ward Consulting Engineers, P.C.**  
Firm License No. C-2619  
4605 Green Hill, Suite 100  
Raleigh, NC 27616-2848  
(919) 870-0326  
FAX (919) 870-0326

Environmental Data & Exchange  
809 Capability Drive, Suite 3100  
Raleigh, NC 27606  
(919) 829-0000  
FAX (919) 829-0013



DATE: 11 FEB 2014	PROJECT NAME:
DESIGNER:	DATE:
DRAWN BY:	SCALE:
CHECKED BY:	AS NOTED:
RECORD DRAWINGS:	
SHEET NO.:	
	VP5

LOCATION KEY LEGEND



**LEGEND**

- ZONE 1 - STREAMBANK
- ZONE 2 - "B" STREAM TYPE STEEP VALLEY SLOPE
- ZONE 3 - "C" STREAM TYPE FLAT AND BROAD FLOODPLAIN
- ZONE 4 - WETLAND AREA
- ZONE 5 - TEMPORARY ACCESS AREA - TEMPORARY SEED MIX
- VEGETATION PLOT

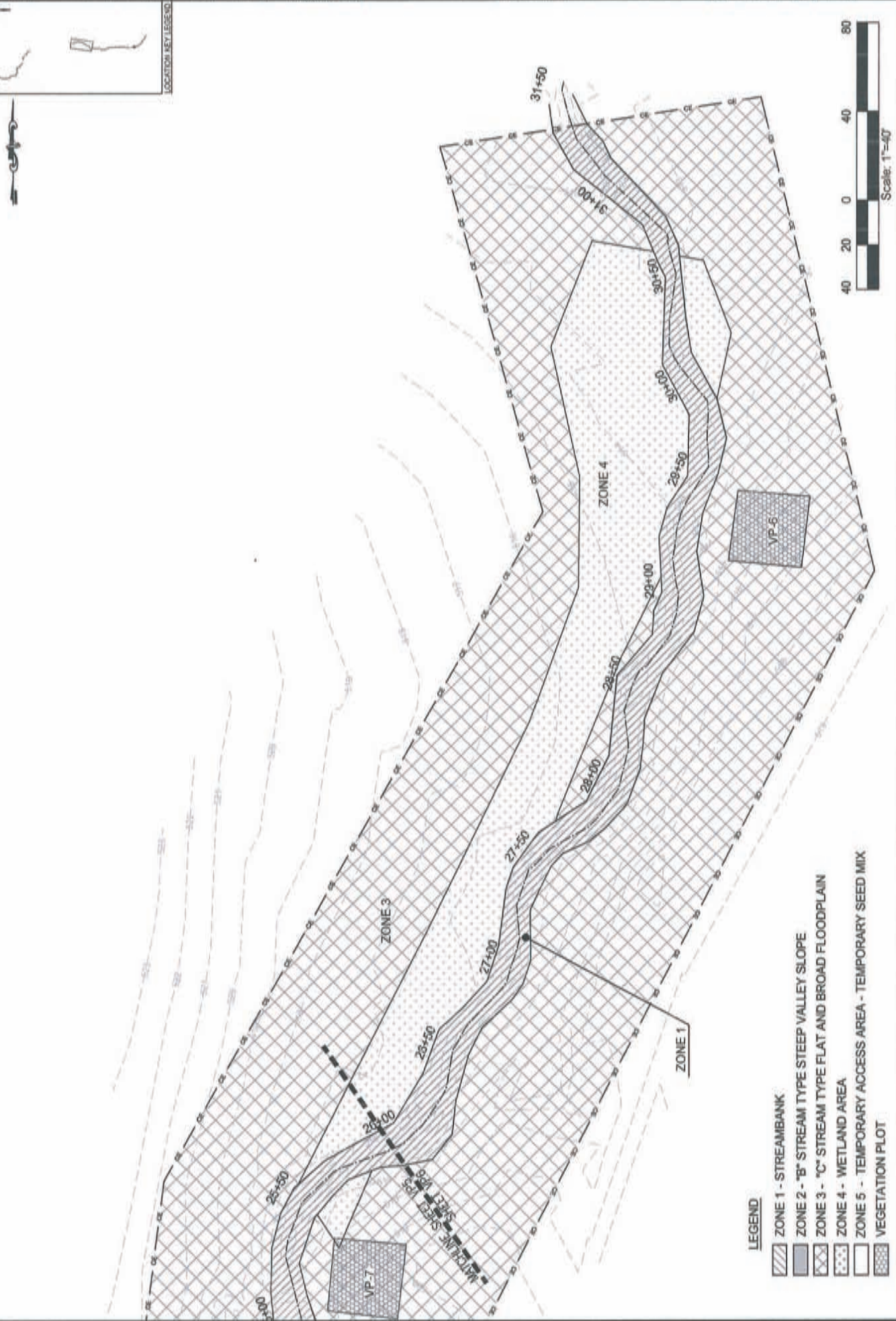


Ward Consulting Engineers, P.C.  
 FIRM LICENSE NO. C-2819  
 1405 Green Rd, Suite 100  
 Raleigh, NC 27606  
 (919) 870-0506  
 FAX (919) 870-0359



601 EAST  
 AS-BUILT PLANTING PLAN  
 STATION 26+00 TO 31+45.18  
 UNION COUNTY, NORTH CAROLINA

PROJECT NAME	601 EAST
DATE	07/20/2019
DESIGNER	Ward Consulting Engineers, P.C.
CHECKED	
RECORD DRAWINGS	
SHEET NO.	VP6



LOCATION KEY LEGEND

- LEGEND**
- ZONE 1 - STREAMBANK
  - ZONE 2 - "B" STREAM TYPE STEEP VALLEY SLOPE
  - ZONE 3 - "C" STREAM TYPE FLAT AND BROAD FLOODPLAIN
  - ZONE 4 - WETLAND AREA
  - ZONE 5 - TEMPORARY ACCESS AREA - TEMPORARY SEED MIX
  - VEGETATION PLOT





601 EAST  
 AS-BUILT PLANTING PLAN  
 (RELIC CHANNEL)  
 STATION 48+00 TO 54+00  
 UNION COUNTY, NORTH CAROLINA

Ward Consulting Engineers, P.C.  
 Environmental Data & Exchange  
 500 Capability Drive, Suite 3100  
 Raleigh, NC 27606 Phone: (919) 829-0000  
 Fax: (919) 229-9913

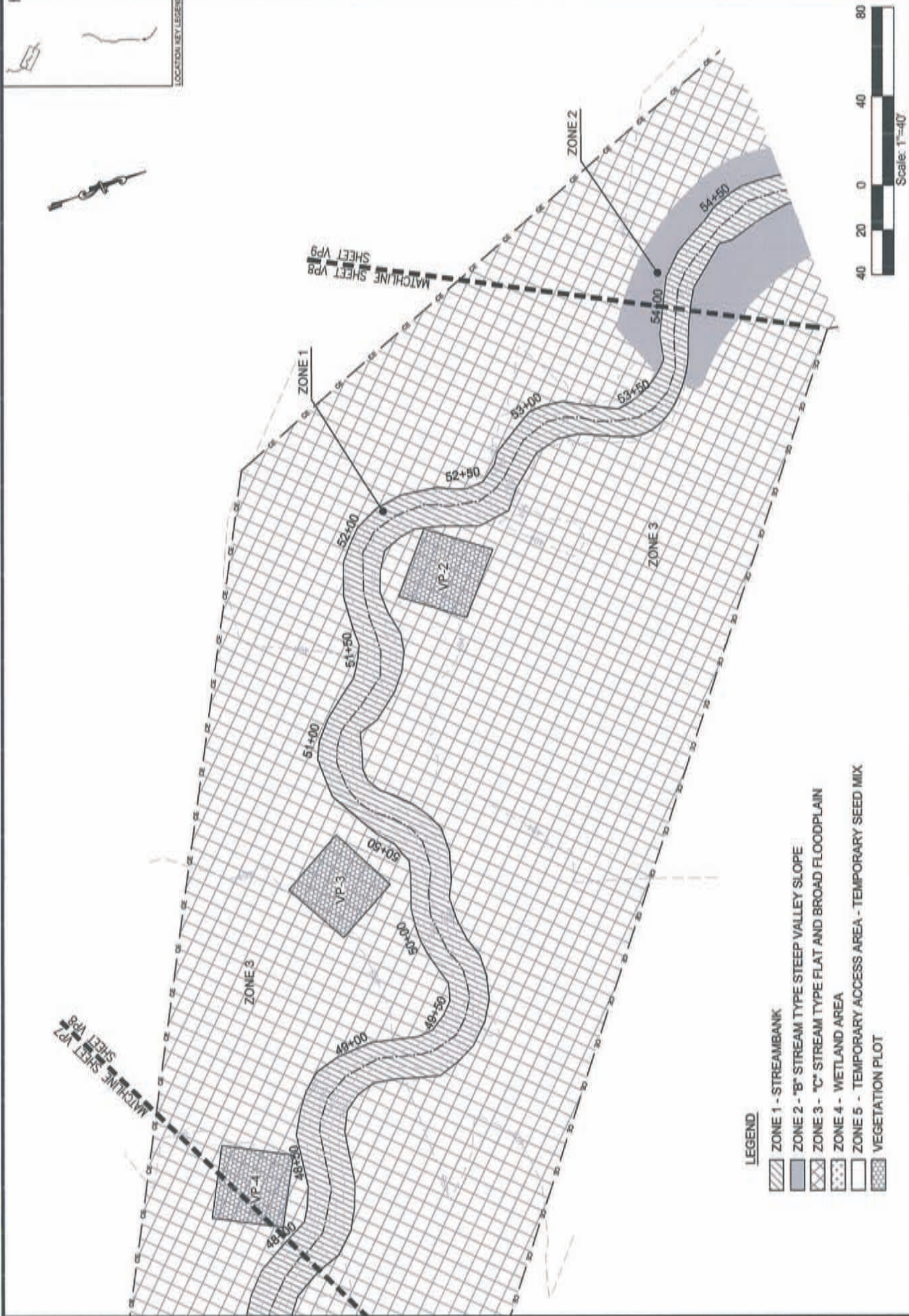
4005 Green Rd., Suite 100  
 Raleigh, NC 27610-2848  
 Phone: (919) 870-0326  
 Fax: (919) 870-0320

FIRM LICENSE NO. C-2619



DATE: 08/12/2019	PROJECT NAME: 601 EAST
DRAWN BY: J. WARD	CHECKED BY: J. WARD
SCALE: AS SHOWN	PROJECT NO.: 19-000
DATE: 08/12/2019	PROJECT NAME: 601 EAST
DRAWN BY: J. WARD	CHECKED BY: J. WARD
SCALE: AS SHOWN	PROJECT NO.: 19-000

RECORD DRAWINGS  
 SHEET NO. VP8



- LEGEND**
- ZONE 1 - STREAMBANK
  - ZONE 2 - "B" STREAM TYPE STEEP VALLEY SLOPE
  - ZONE 3 - "C" STREAM TYPE FLAT AND BROAD FLOODPLAIN
  - ZONE 4 - WETLAND AREA
  - ZONE 5 - TEMPORARY ACCESS AREA - TEMPORARY SEED MIX
  - VEGETATION PLOT



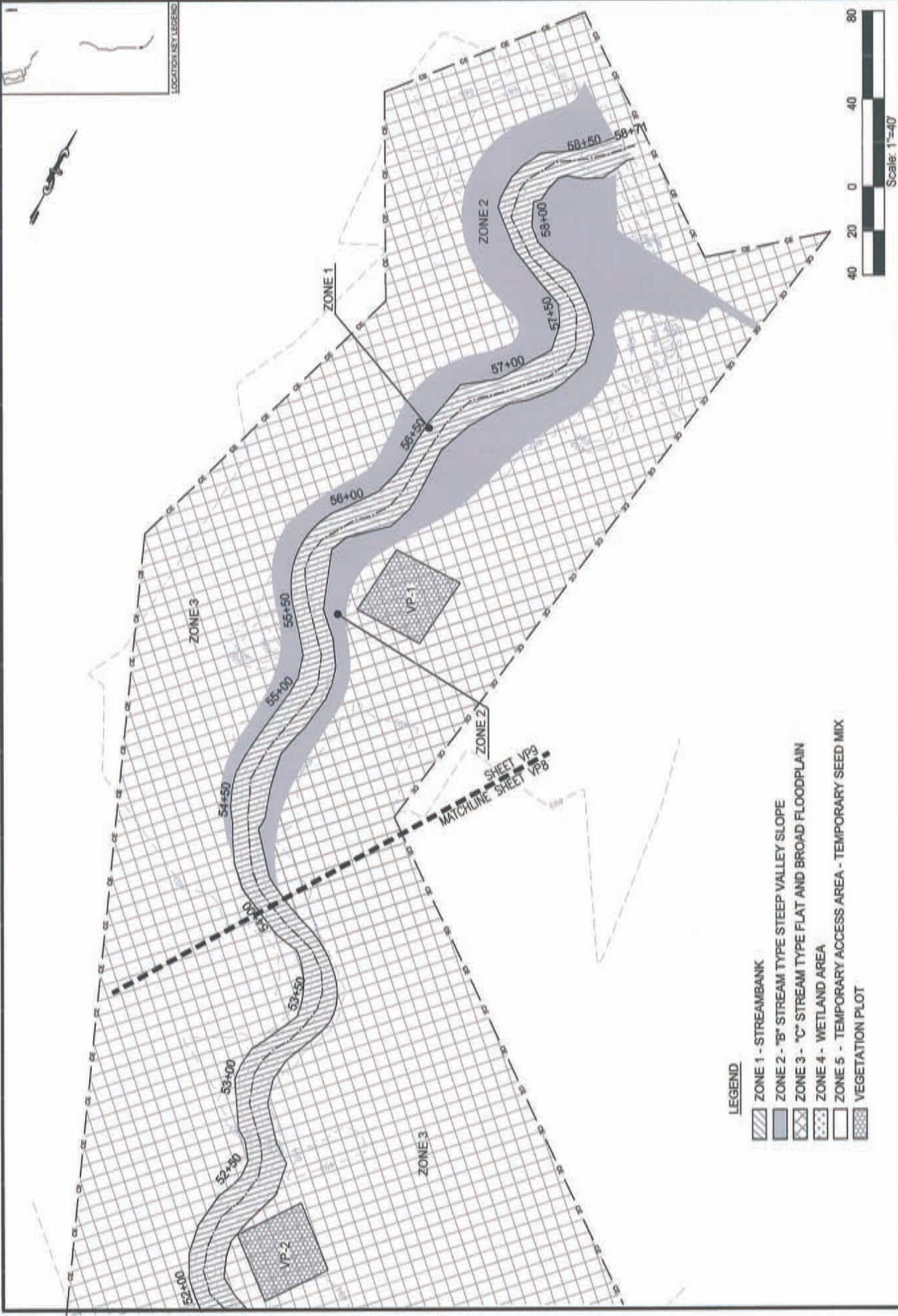
DATE	11/13/2013
PROJECT NAME	601 EAST AS-BUILT PLANTING PLAN (RELIC CHANNEL)
PROJECT NO.	1301-000
PROJECT LOCATION	STATION 54+00 TO 58+68.63 UNION COUNTY, NORTH CAROLINA
SCALE	AS SHOWN
AS SHOWN	
RECORD DRAWINGS	
DRAWN BY	
CHECKED BY	
DATE	

601 EAST AS-BUILT PLANTING PLAN (RELIC CHANNEL)  
 STATION 54+00 TO 58+68.63  
 UNION COUNTY, NORTH CAROLINA



**Ward Consulting Engineers, P.C.**  
 PIMA LICENSE NO. C-2019  
 4005 Green Rd, Suite 100  
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 800 Capital Blvd, Suite 3100  
 Raleigh, NC 27608 Phone: (919) 829-9006  
 Fax: (919) 229-9013

VP9



- LEGEND**
- ZONE 1 - STREAMBANK
  - ZONE 2 - "B" STREAM TYPE STEEP VALLEY SLOPE
  - ZONE 3 - "C" STREAM TYPE FLAT AND BROAD FLOODPLAIN
  - ZONE 4 - WETLAND AREA
  - ZONE 5 - TEMPORARY ACCESS AREA - TEMPORARY SEED MIX
  - VEGETATION PLOT

LOCATION MAP LEGEND