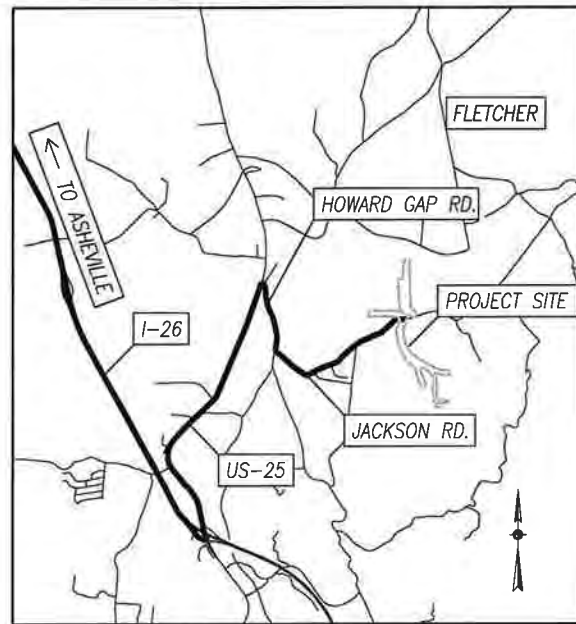


NC DMS PROJECT No. 100004

EW SOLUTIONS, LLC

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
NC	172621093	AB-1	36



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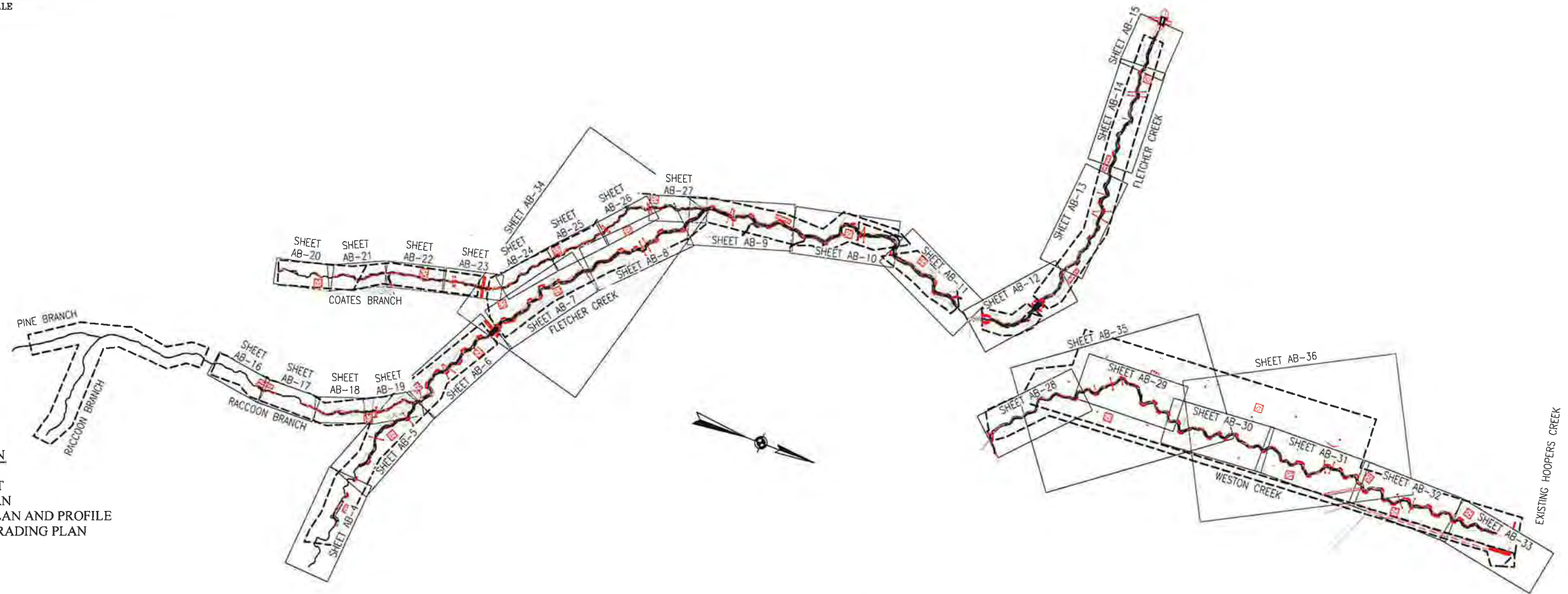
# FLETCHER SITE MITIGATION PROJECT

FLETCHER CREEK  
HENDERSON COUNTY, NORTH CAROLINA

FINAL PLANS		DATE
1	EROSION CONTROL PLANS	2/23/2018
2	EROSION CONTROL PLANS	3/19/2018
3	DETAILS, NOTES, PLAN LINE WORK	3/27/2018
4	DETAILS, NOTES, PLAN SHEETS	4/18/2018
5	EROSION CONTROL PLANS	5/8/2018
6	EROSION CONTROL PLANS	7/9/2018
7	EROSION CONTROL PLANS	7/26/2018
8	EROSION CONTROL PLANS	8/29/2018
8	AS-BUILT PLANS - RECORD SET	4/17/2019

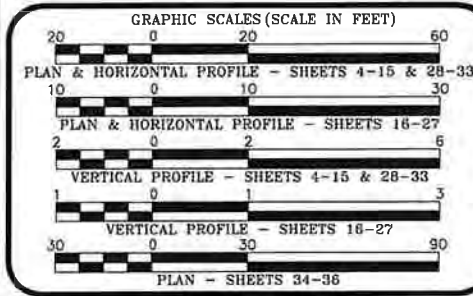
NO.	DESCRIPTION	DATE
REVISIONS		



**SHEET INDEX**

SHEET NO.	DESCRIPTION
AB-1	TITLE SHEET
AB-1A - AB-1B	AB-SITE PLAN
AB-4 - AB-33	AS-BUILT PLAN AND PROFILE
AB-34 - AB-36	AS-BUILT GRADING PLAN

AS-BUILT PLANS



**PROJECT LENGTHS**

PROPOSED RESTORATION:	FLETCHER CREEK = 4,924 FT
	RACCOON BRANCH = 448 FT
	COATES BRANCH = 1,693 FT
	WESTON CREEK = 2,787 FT
PROPOSED ENHANCEMENT:	FLETCHER CREEK = 461 FT
	RACCOON BRANCH = 206 FT
	COATES BRANCH = 282 FT
PROPOSED PRESERVATION:	PINE BRANCH = 299 FT
	RACCOON BRANCH = 950 FT
	<b>TOTAL = 12,040 FT</b>

Prepared by:

Stantec Consulting Services Inc.  
12 1/2 Wall St., Suite C  
Asheville, North Carolina 28801  
www.stantec.com

CHRIS ENGLE  
PROJECT ENGINEER

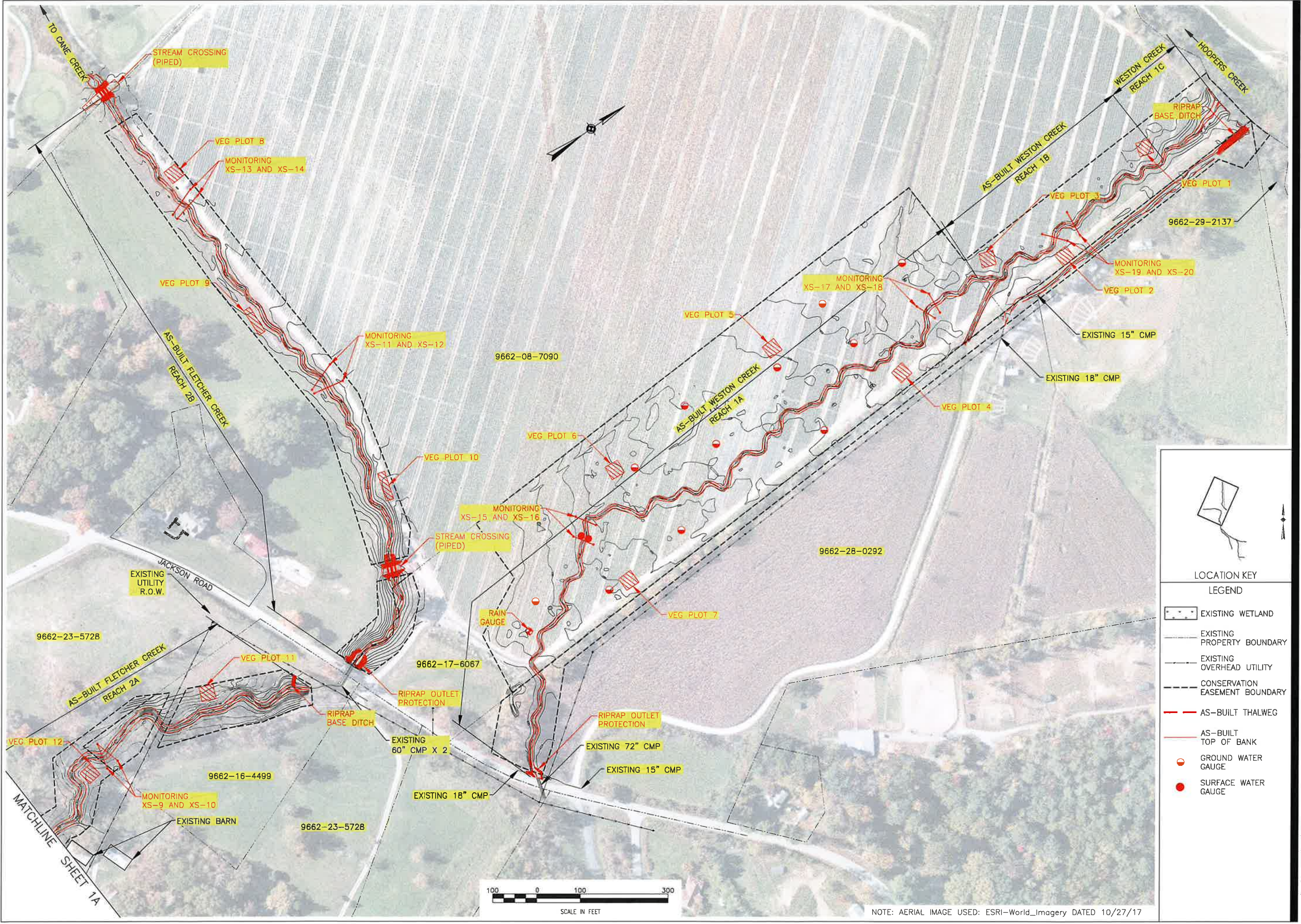
4/22/19

Prepared for:

NC DMS  
HARRY TSOMIDES  
PROJECT MANAGER



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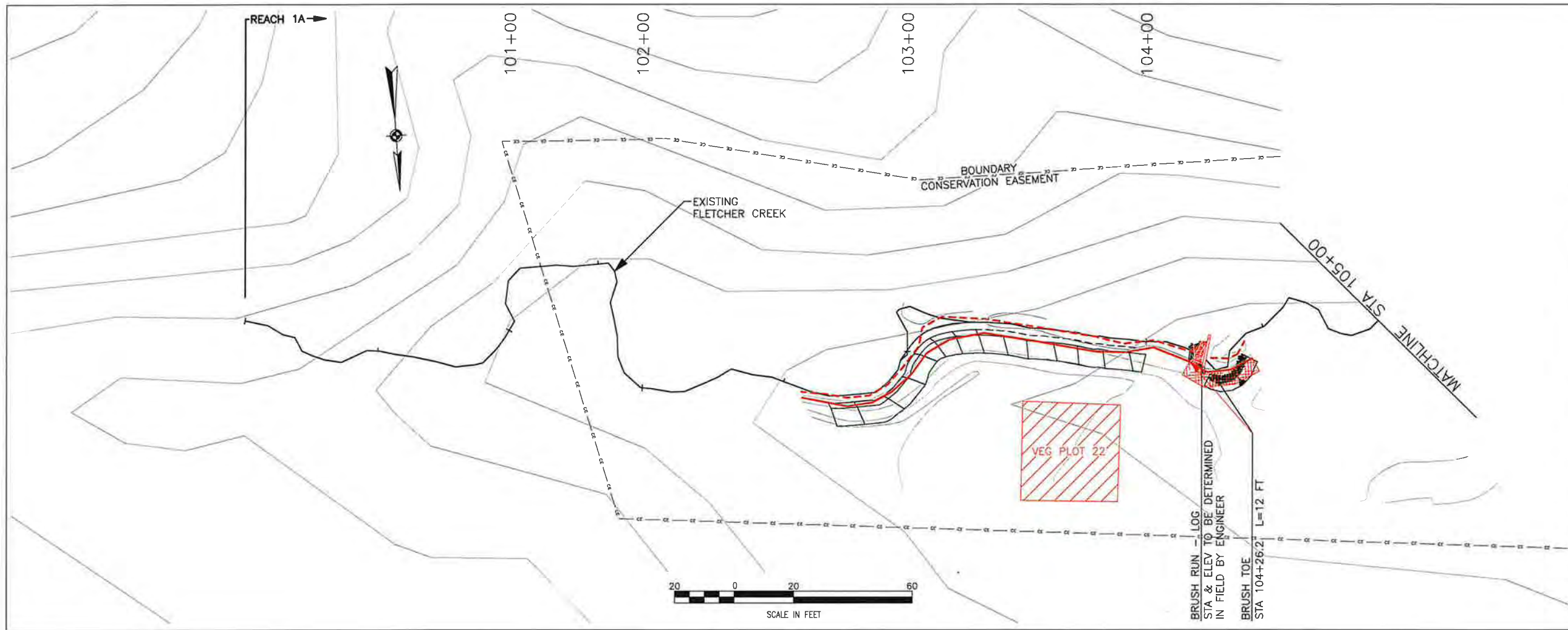
Revision		By		Appd.		Yr./M./DD	



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- EXISTING WETLAND
  - EXISTING PROPERTY BOUNDARY
  - EXISTING OVERHEAD UTILITY
  - CONSERVATION EASEMENT BOUNDARY
  - AS-BUILT THALWEG
  - AS-BUILT TOP OF BANK
  - GROUND WATER GAUGE
  - SURFACE WATER GAUGE

Client/Project: EW SOLUTIONS, LLC  
 Title: FLETCHER SITE MITIGATION PROJECT  
 Permit-Seal: HENDERSON COUNTY, NORTH CAROLINA  
 Project Number: 172621093  
 Date: 10/27/17  
 Scale: AS-BUILT  
 Revision: 0  
 Sheet: AB-18

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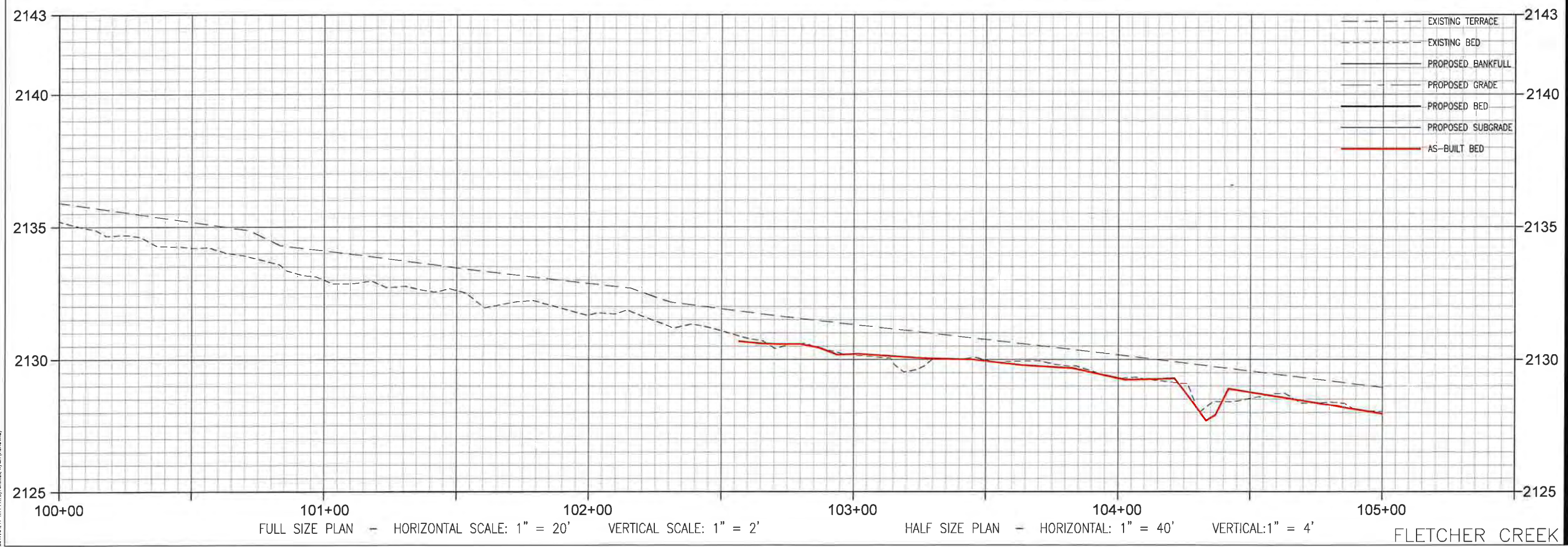
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LEGEND

- PROPOSED STREAM RESTORATION
- FILL
- CUT
- FENCE
- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
- PROPOSED RIPRAP

AS BUILT LEGEND

- TOP OF BANK
- THALWEG



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Permit-Seal

HENDERSON COUNTY, NORTH CAROLINA

Title: FLETCHER CREEK - PLAN & PROFILE - AS-BUILT  
STA 100+00 - 105+00

Project Number: 172621093

Revision: 0 Sheet: AB-4

4/22/19

Professional Engineer Seal: NORTH CAROLINA PROFESSIONAL ENGINEER CHRISTOPHER M. ONE

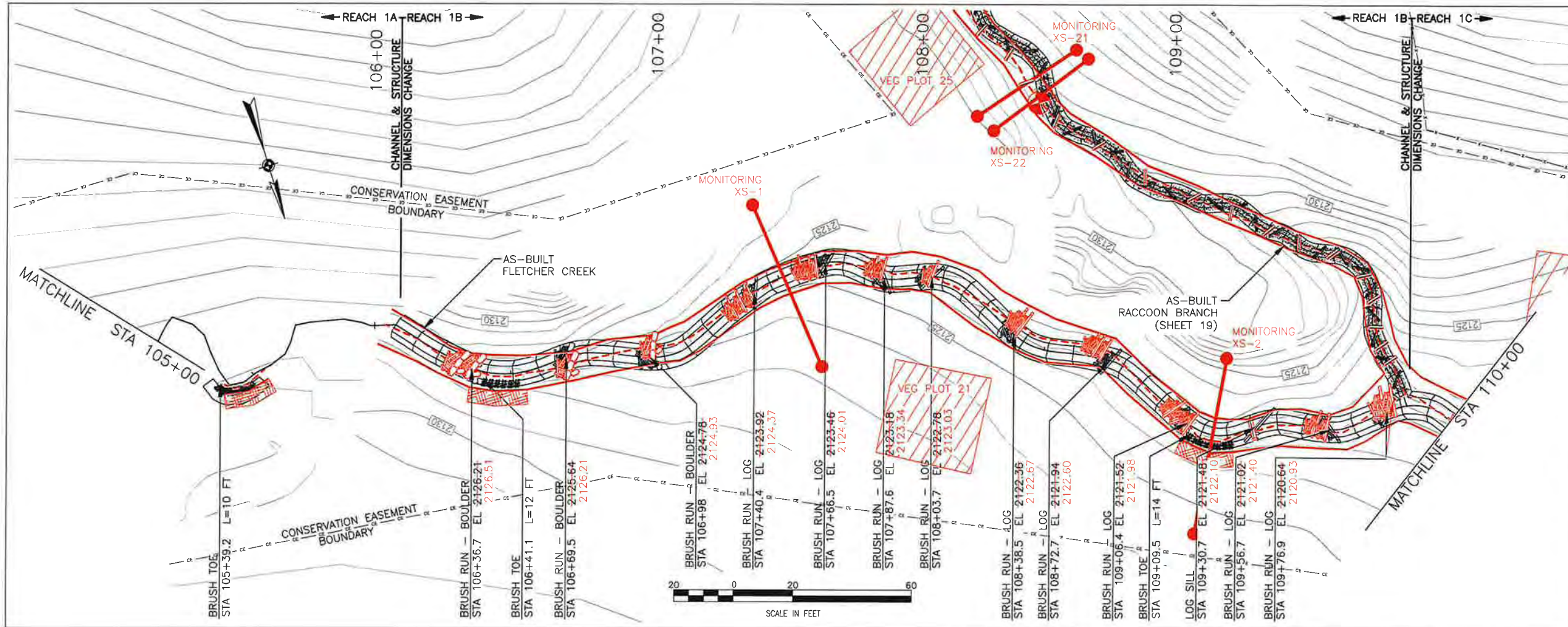
RTS Dwn. SGG Chkd. CME Dsgn. 19.04.17 YY.MM.DD

By: Y.Y.MM.DD  
Appd: Y.Y.MM.DD

By: Y.Y.MM.DD  
Appd: Y.Y.MM.DD

Issued: Y.Y.MM.DD

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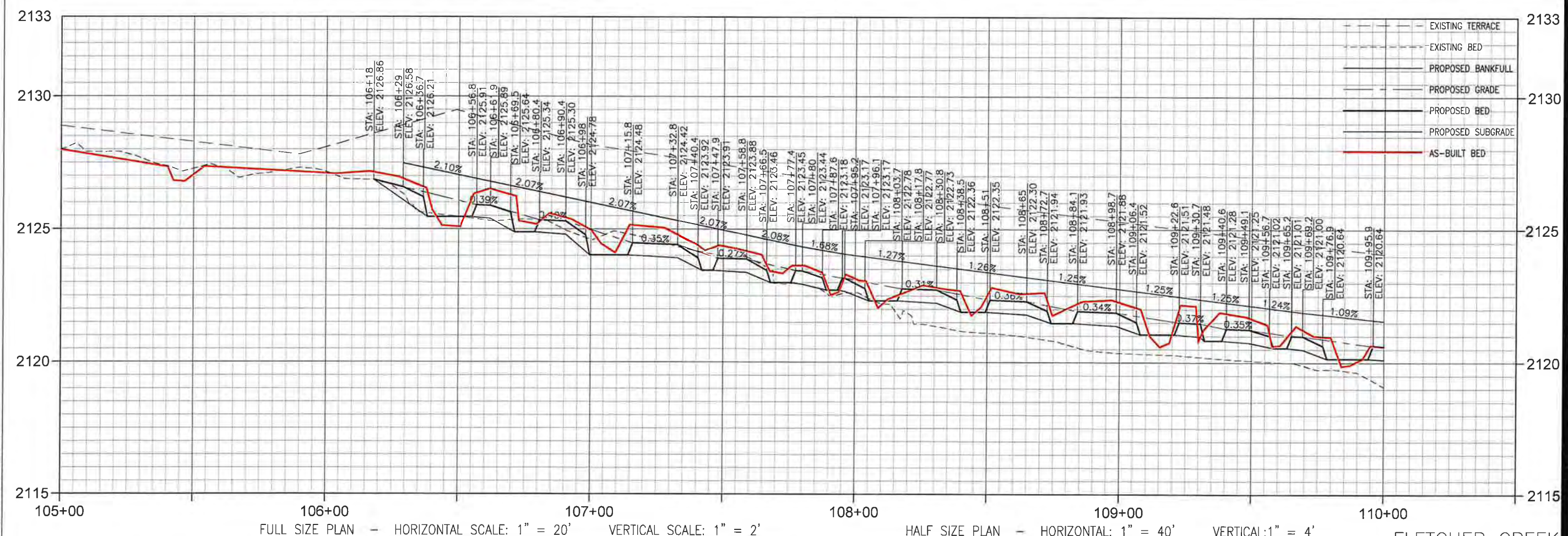
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**LEGEND**

- PROPOSED STREAM RESTORATION
- FILL
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- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
- PROPOSED RIPRAP

**AS BUILT LEGEND**

- TOP OF BANK
- THALWEG



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Client/Project: EW SOLUTIONS, LLC  
Title: FLETCHER CREEK - PLAN & PROFILE - AS-BUILT

Permit-Seal: [Professional Engineer Seal for Christopher M. Long, No. 4498, State of North Carolina]

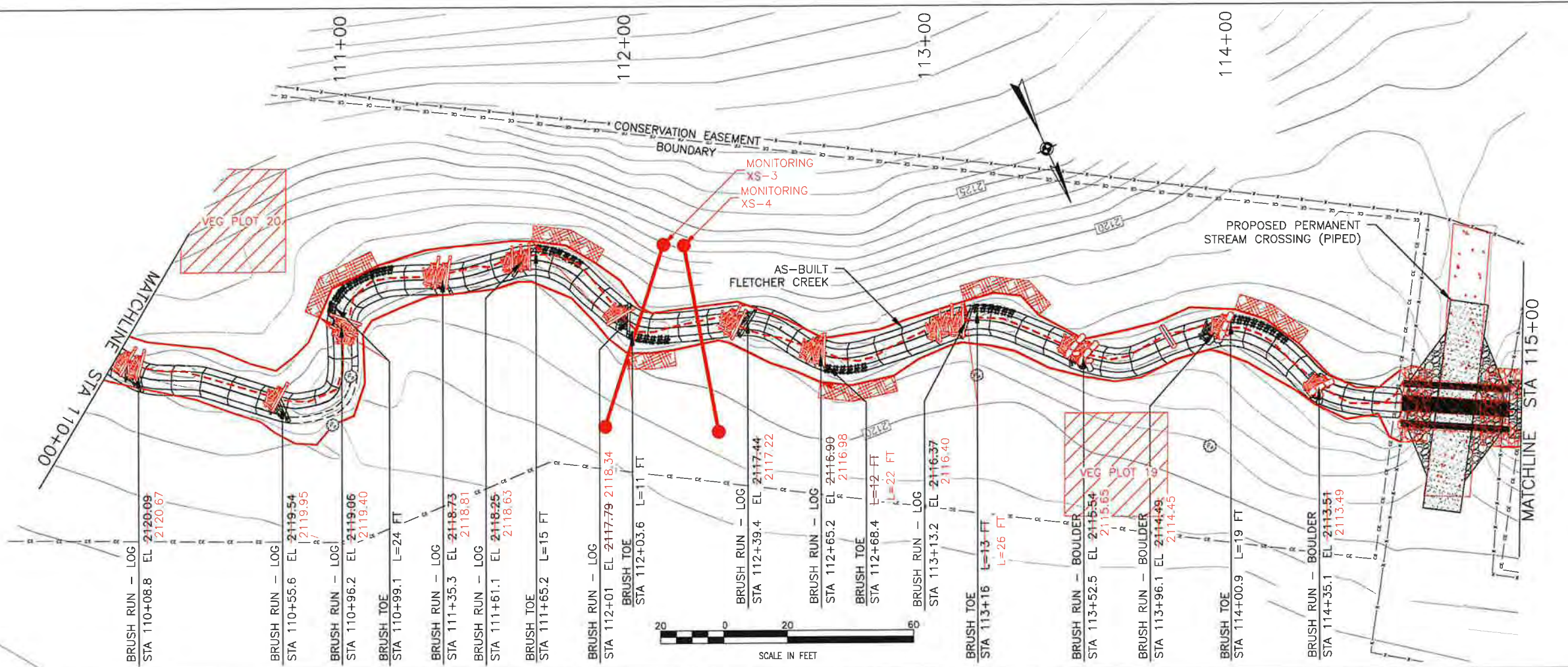
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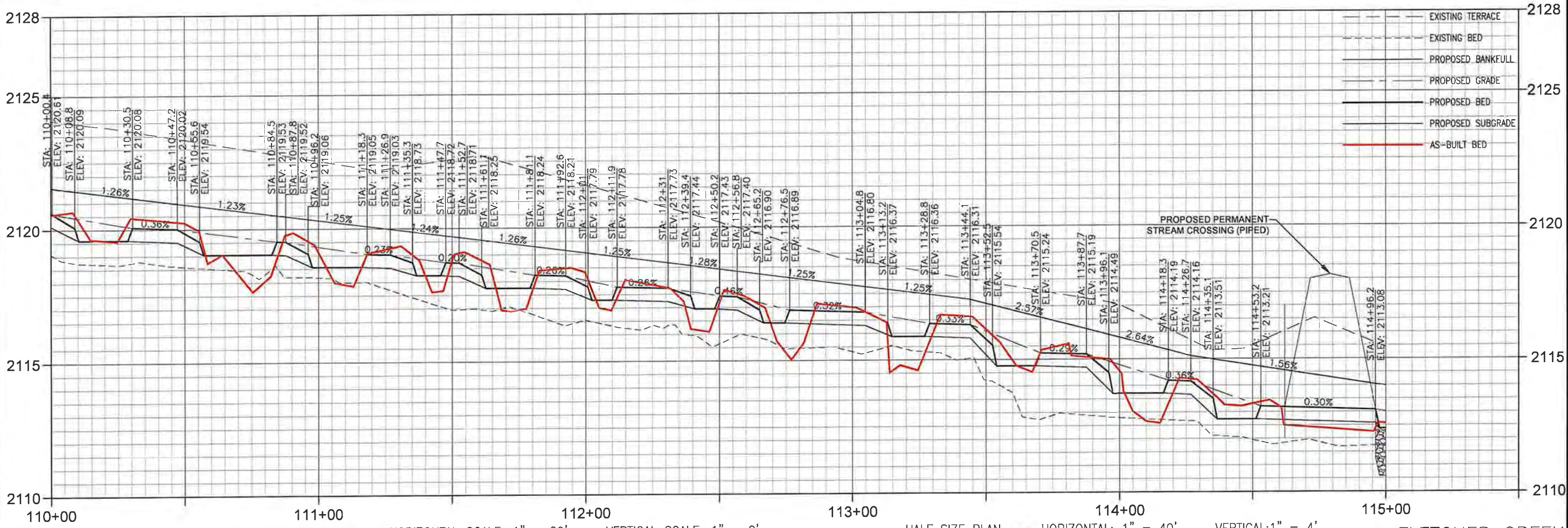
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**LEGEND**

- PROPOSED STREAM RESTORATION
- FILL
- CUT
- FENCE
- EXISTING TREES
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**AS BUILT LEGEND**

- TOP OF BANK
- THALWEG



FULL SIZE PLAN - HORIZONTAL SCALE: 1" = 20'      HALF SIZE PLAN - HORIZONTAL: 1" = 40'      FLETCHER CREEK

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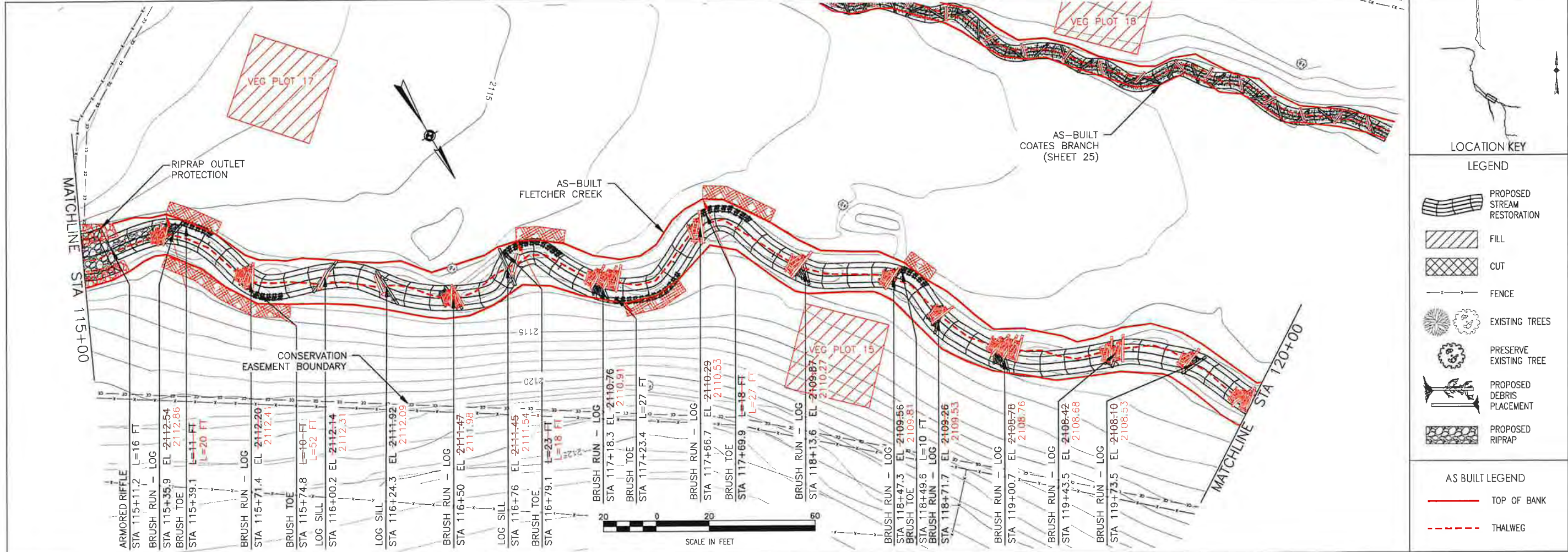
Client/Project  
EW SOLUTIONS, LLC  
FLETCHER SITE MITIGATION PROJECT  
ENDERSON COUNTY, NORTH CAROLINA

Permit/Seal  
  
 4/22/19

Project Number: 172621093

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RTS Dwn.    SGG Chkd.    CME Dsgn.    19.04.17 YY.MM.DD



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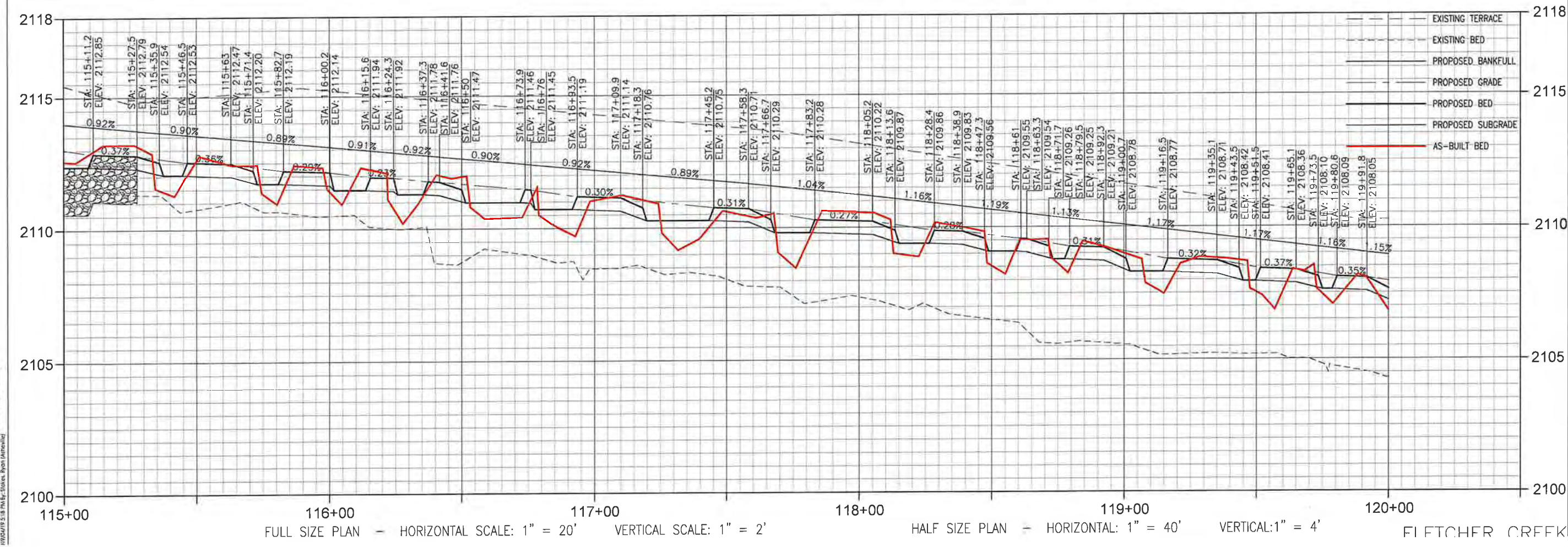
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- FILL
- CUT
- FENCE
- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
- PROPOSED RIPRAP

**AS BUILT LEGEND**

- TOP OF BANK
- THALWEG

Revision	By	Appd	YYMMDD

By: Appd: YYMMDD  
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 Title: FLETCHER CREEK - PLAN & PROFILE - AS-BUILT  
 Project Number: 172621093

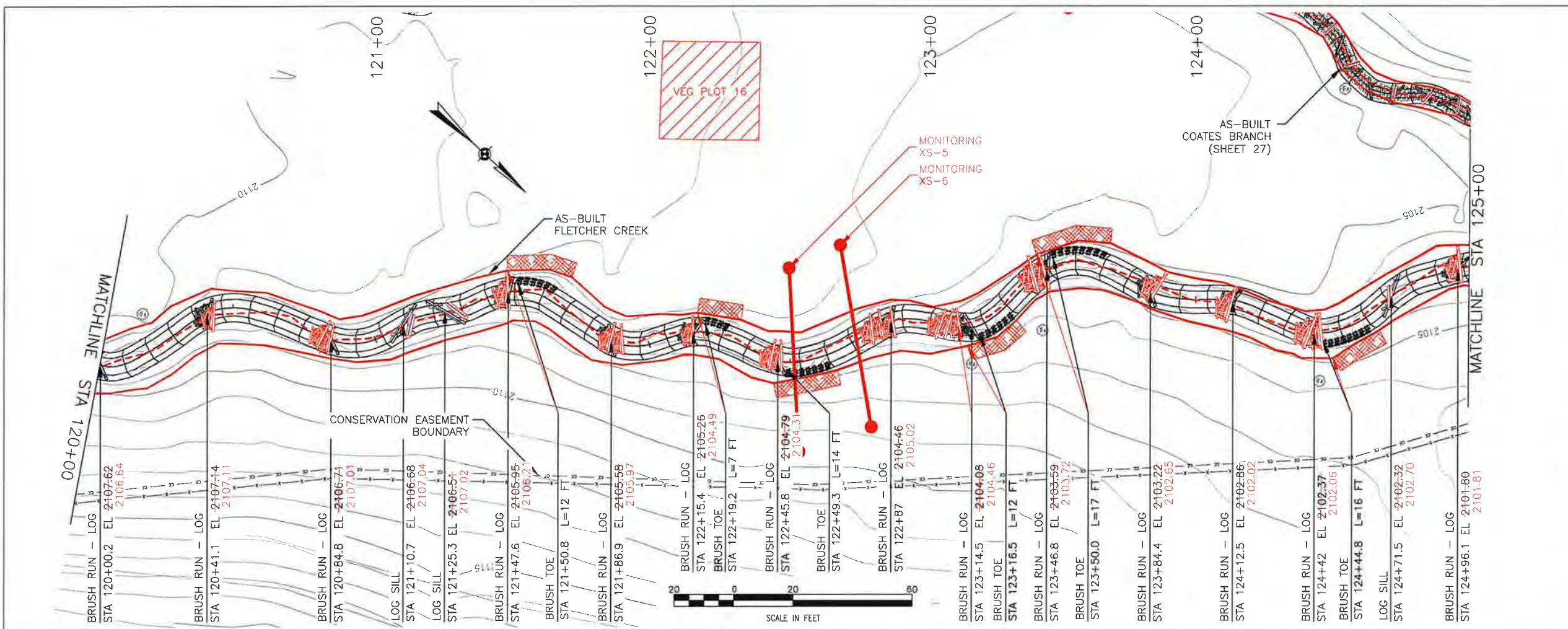
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Revision	By	Appd	YYMMDD

RTS: 19.04.17  
 Dwn: Ckd: Dsgn: YYMMDD

Revision: 0 Sheet: AB-7

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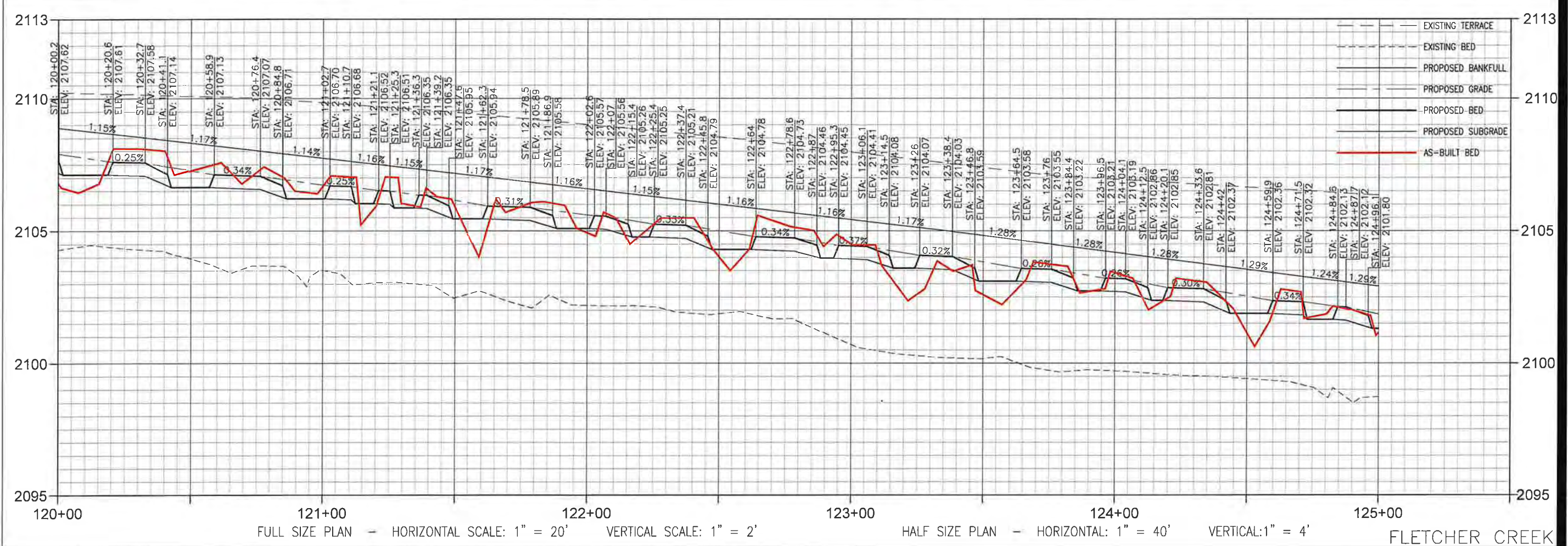
LOCATION KEY

LEGEND

- PROPOSED STREAM RESTORATION
- FILL
- CUT
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- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
- PROPOSED RIPRAP

AS BUILT LEGEND

- TOP OF BANK
- THALWEG



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EW SOLUTIONS, LLC  
FLETCHER SITE MITIGATION PROJECT  
HELDERSON COUNTY, NORTH CAROLINA

Permit-Seal

Project Number: 172621093

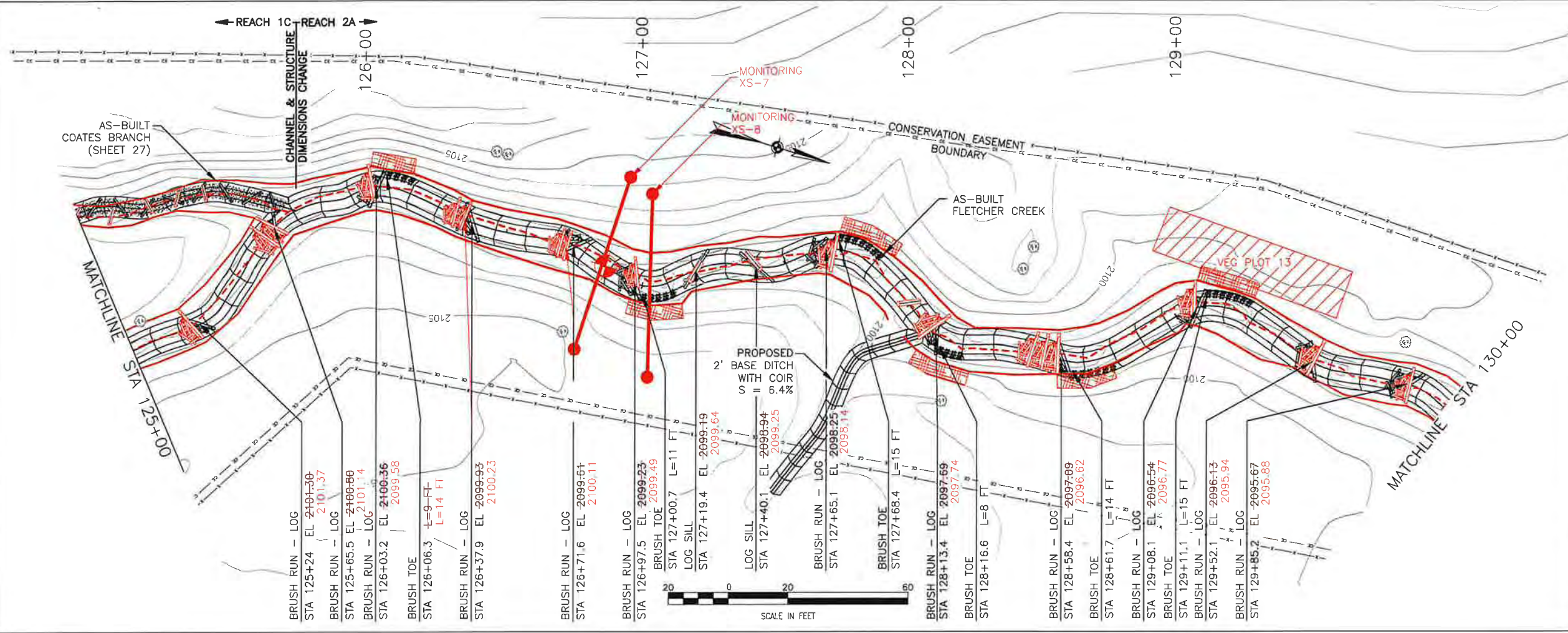
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Revision 0 Sheet AB - 8

FLETCHER CREEK - PLAN & PROFILE - AS-BUILT  
STA 120+00 - 125+00

4/22/19





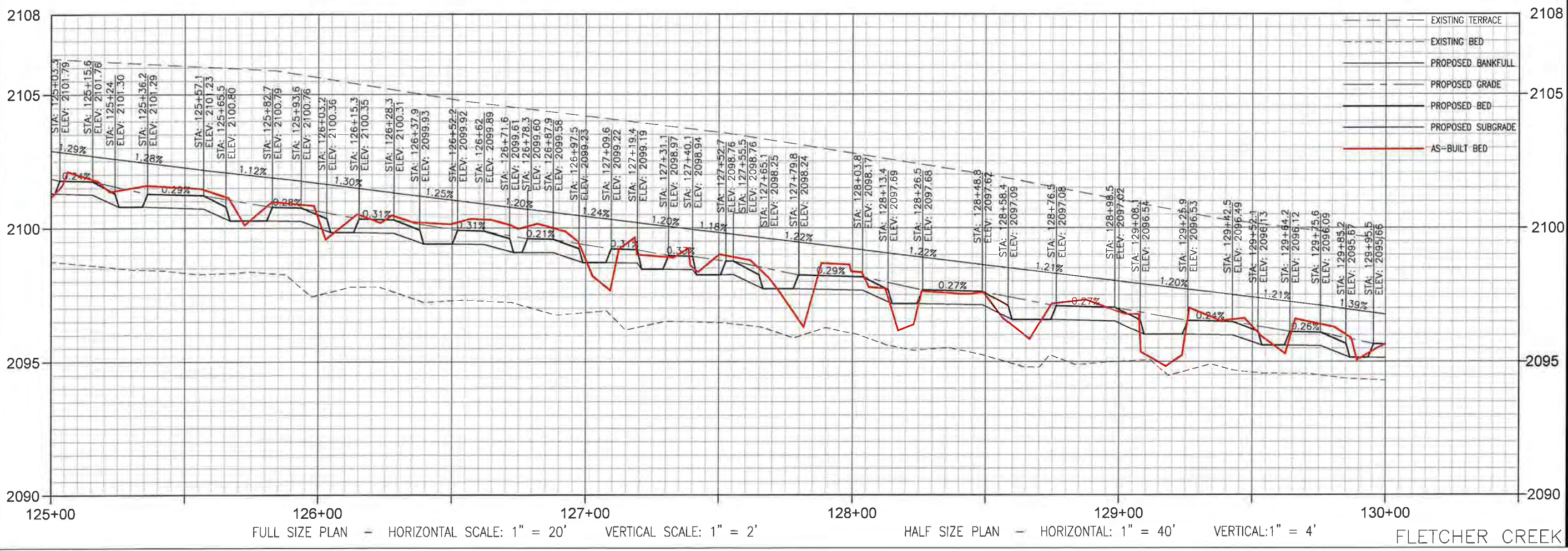
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**LEGEND**

- PROPOSED STREAM RESTORATION
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- CUT
- FENCE
- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
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**AS BUILT LEGEND**

- TOP OF BANK
- THALWEG



FULL SIZE PLAN - HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'

HALF SIZE PLAN - HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'

FLETCHER CREEK

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FLETCHER SITE MITIGATION PROJECT  
HENDERSON COUNTY, NORTH CAROLINA

Permit-Seal: [Professional Engineer Seal for Christopher M. Sibley, State of North Carolina, License No. 412219]

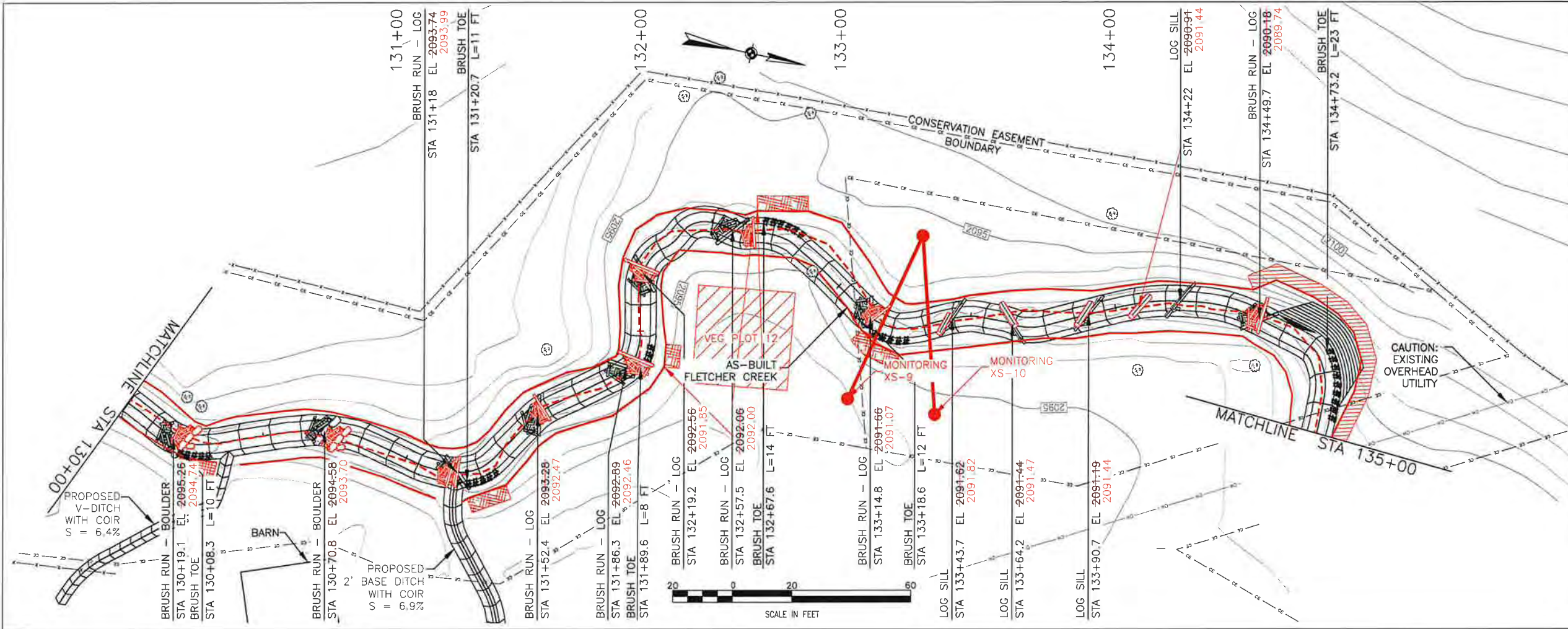
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Issued: YY.MM.DD

Revision	Sheet
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### LOCATION KEY

### LEGEND

- PROPOSED STREAM RESTORATION
- FILL
- CUT
- FENCE
- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
- PROPOSED RIPRAP

### AS BUILT LEGEND

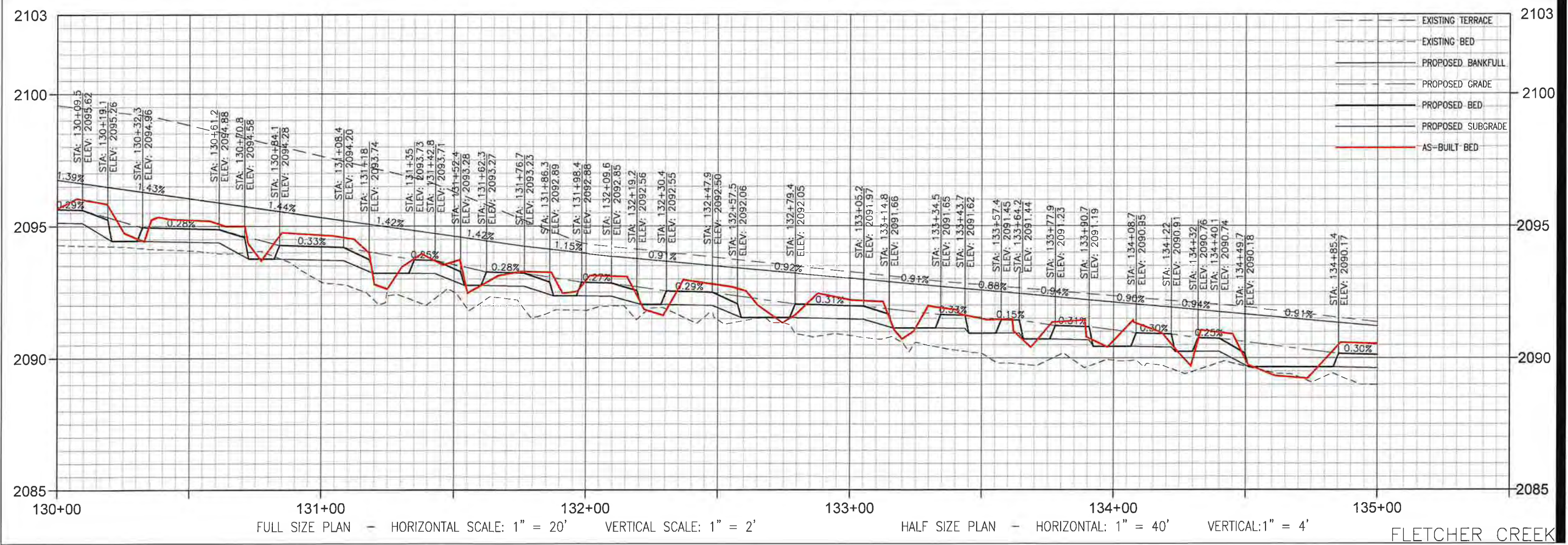
- TOP OF BANK
- THALWEG

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 HALF SIZE PLAN - HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'

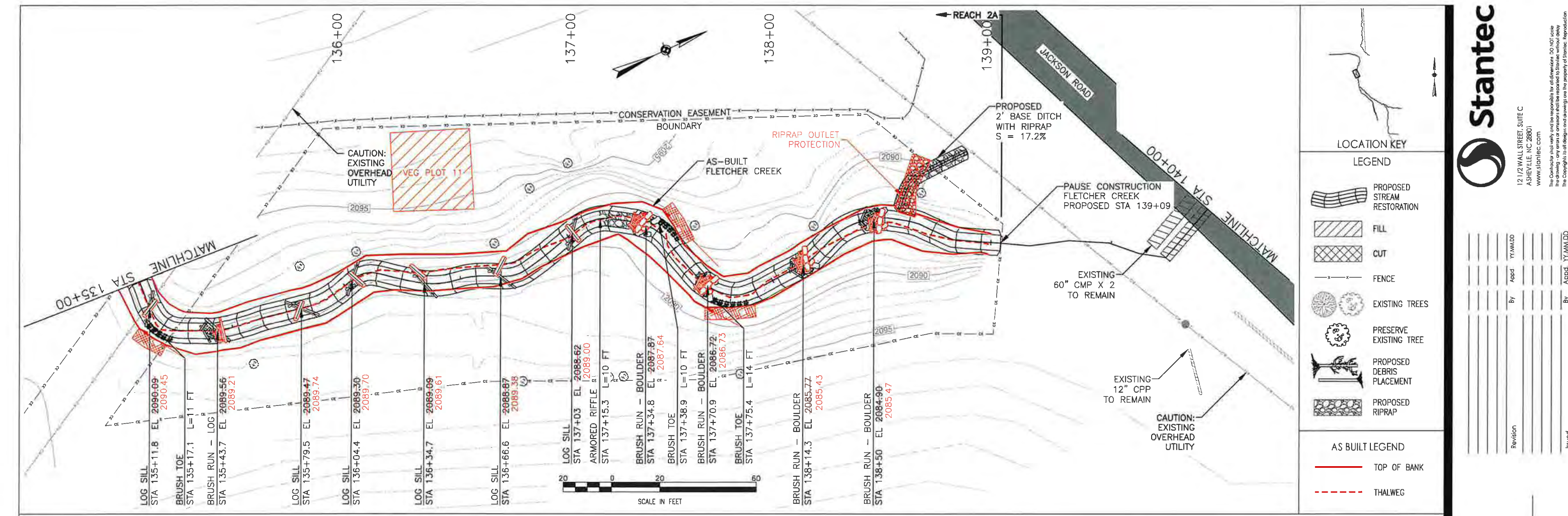
Client/Project: EW SOLUTIONS, LLC  
 Fletcher Site Mitigation Project  
 Henderson County, North Carolina

Permit-Seal

Project Number: 172621093

Revision	Sheet
0	AB - 10

RTS Dwn. SGG Chkd. CME Dsgn. 19.04.17 YY.MM.DD



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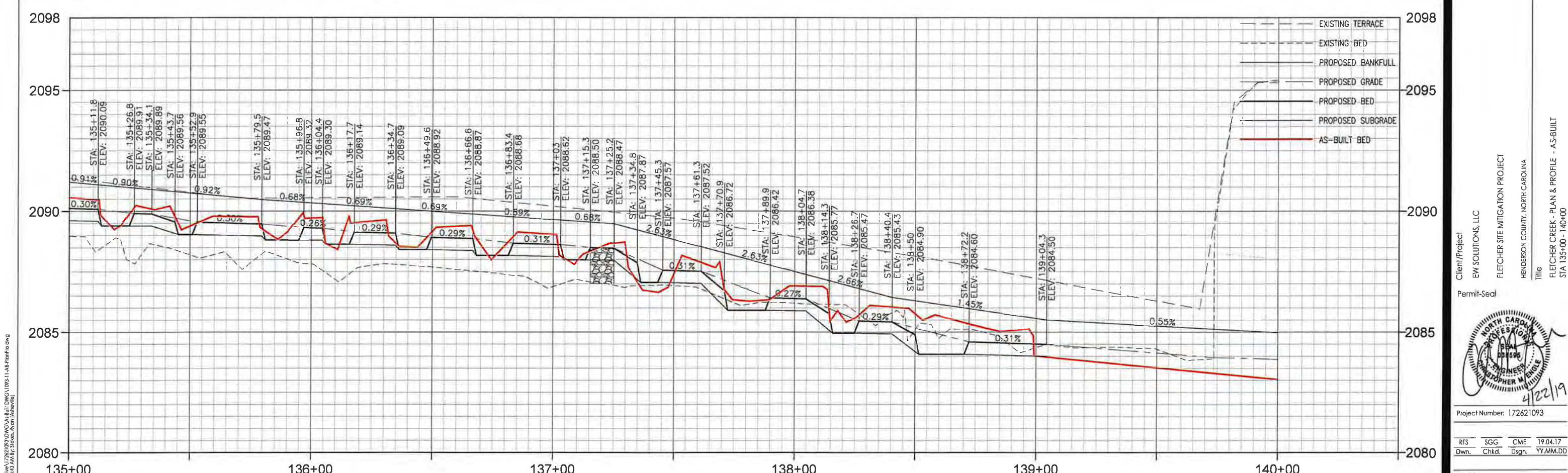
**LEGEND**

- PROPOSED STREAM RESTORATION
- FILL
- CUT
- FENCE
- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
- PROPOSED RIPRAP

**AS-BUILT LEGEND**

- TOP OF BANK
- THALWEG

Revision	By	App'd	Y/M/DD



Client/Project  
 EW SOLUTIONS, LLC  
 FLETCHER CREEK MITIGATION PROJECT

Permit-Seal  
 HENDERSON COUNTY, NORTH CAROLINA

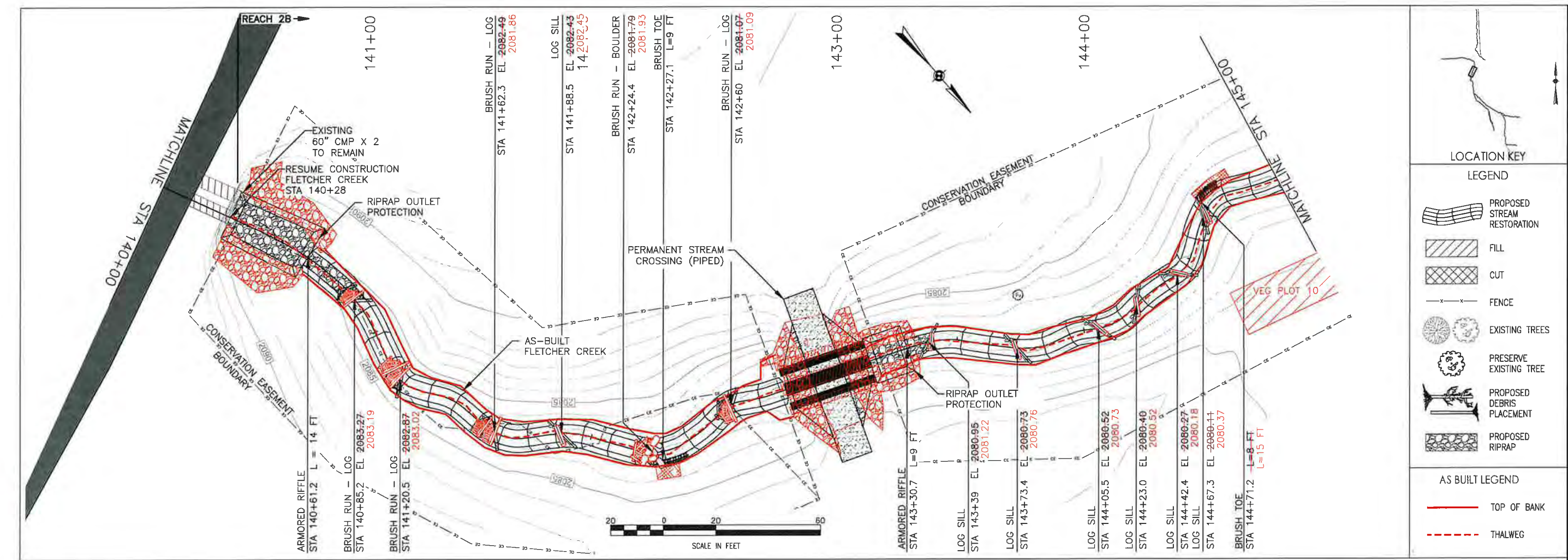
Title  
 FLETCHER CREEK - PLAN & PROFILE - AS-BUILT  
 STA 135+00 - 140+00

**Professional Engineer Seal**

4/22/19

Project Number: 172621093	RTS Own.	SGG Chkd.	CME Dsgn.	19.04.17 YY.MM.DD
Revision	Sheet			
0	AB-11			

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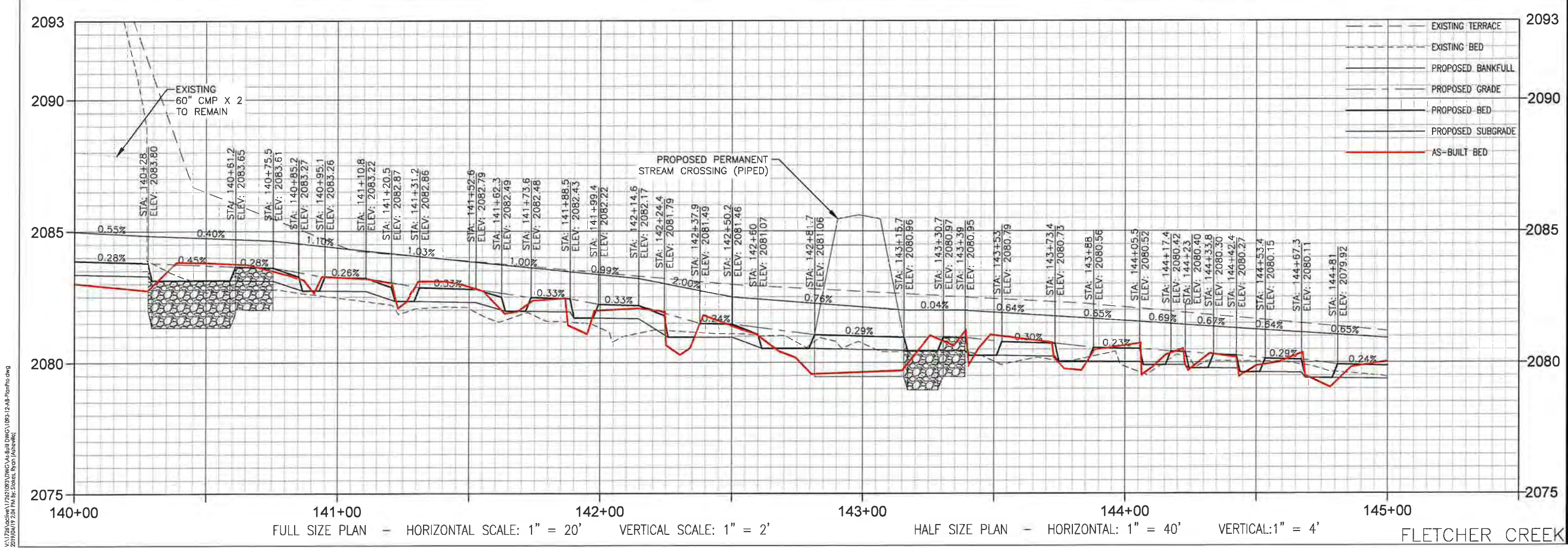
**LOCATION KEY**

**LEGEND**

- PROPOSED STREAM RESTORATION
- FILL
- CUT
- FENCE
- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
- PROPOSED RIPRAP

**AS BUILT LEGEND**

- TOP OF BANK
- THALWEG



FLETCHER CREEK - PLAN & PROFILE - AS-BUILT  
 FULL SIZE PLAN - HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'  
 HALF SIZE PLAN - HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'

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Client/Project: EW SOLUTIONS, LLC  
 FLETCHER SITE MITIGATION PROJECT  
 HENDERSON COUNTY, NORTH CAROLINA

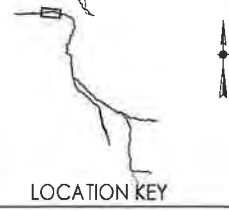
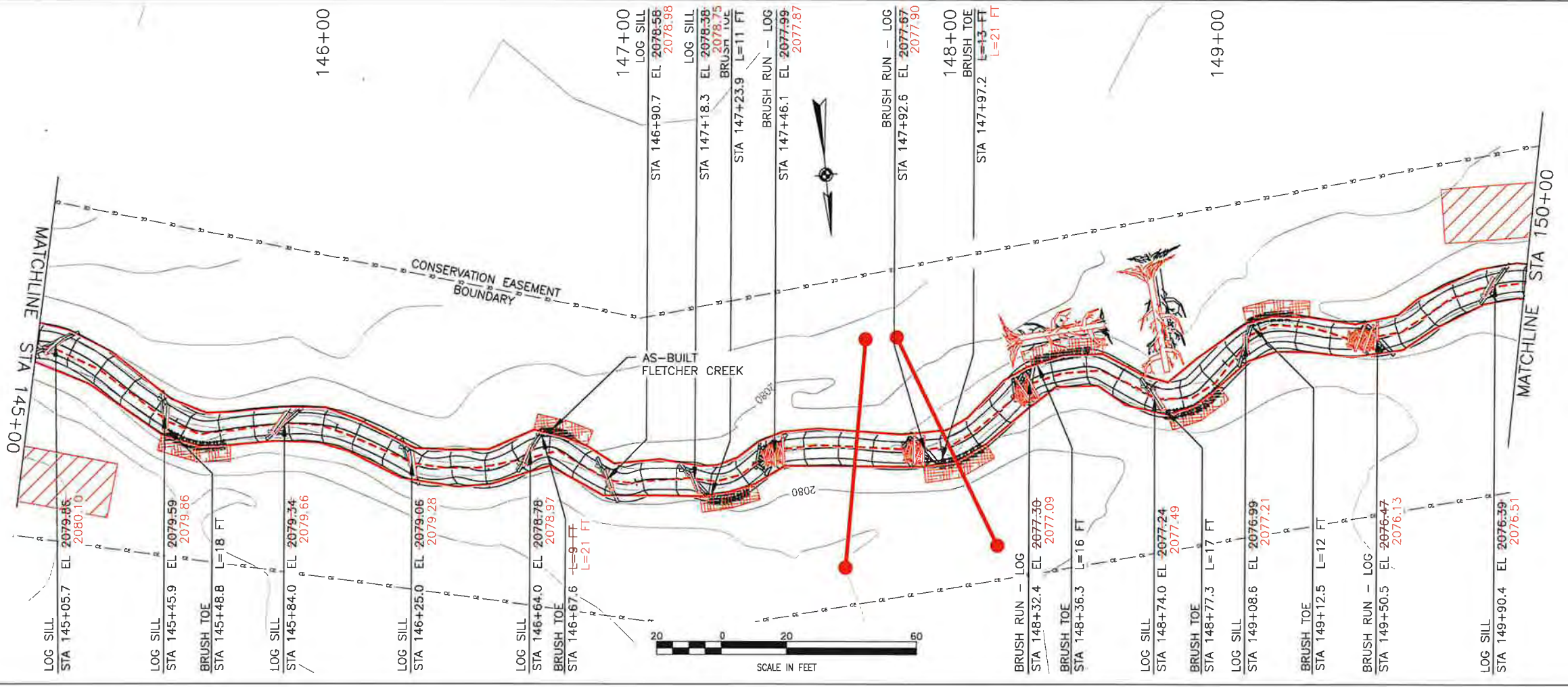
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Project Number: 172621093

Revision: 0  
 Sheet: AB-12

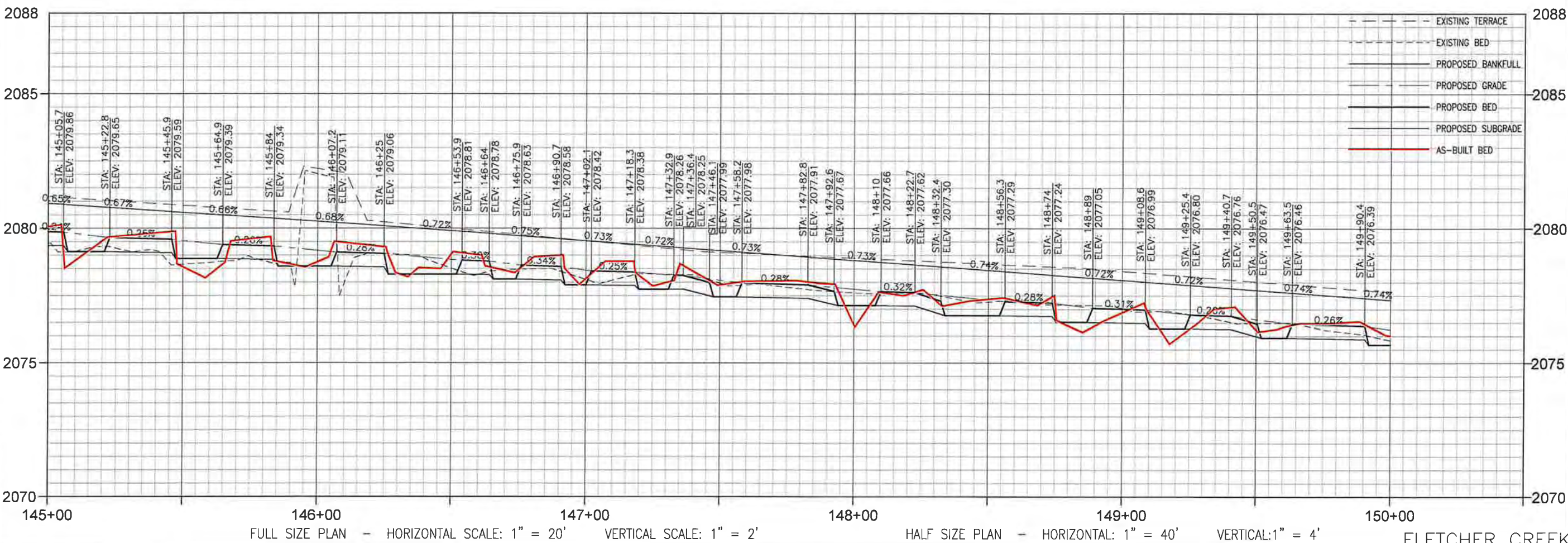
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- LEGEND
- PROPOSED STREAM RESTORATION
  - FILL
  - CUT
  - FENCE
  - EXISTING TREES
  - PRESERVE EXISTING TREE
  - PROPOSED DEBRIS PLACEMENT
  - PROPOSED RIPRAP

- AS BUILT LEGEND
- TOP OF BANK
  - THALWEG

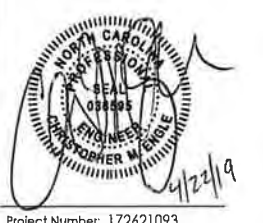


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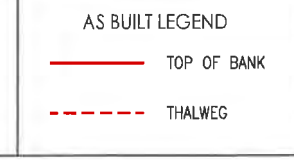
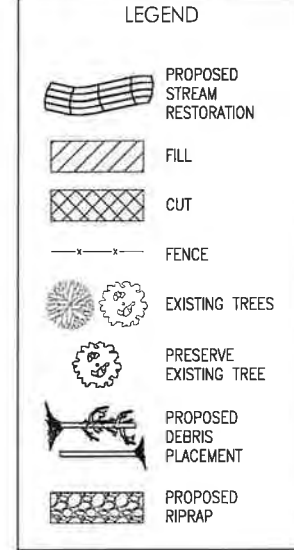
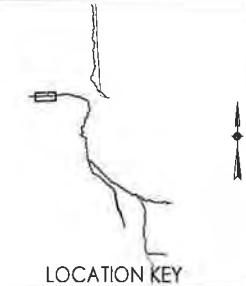
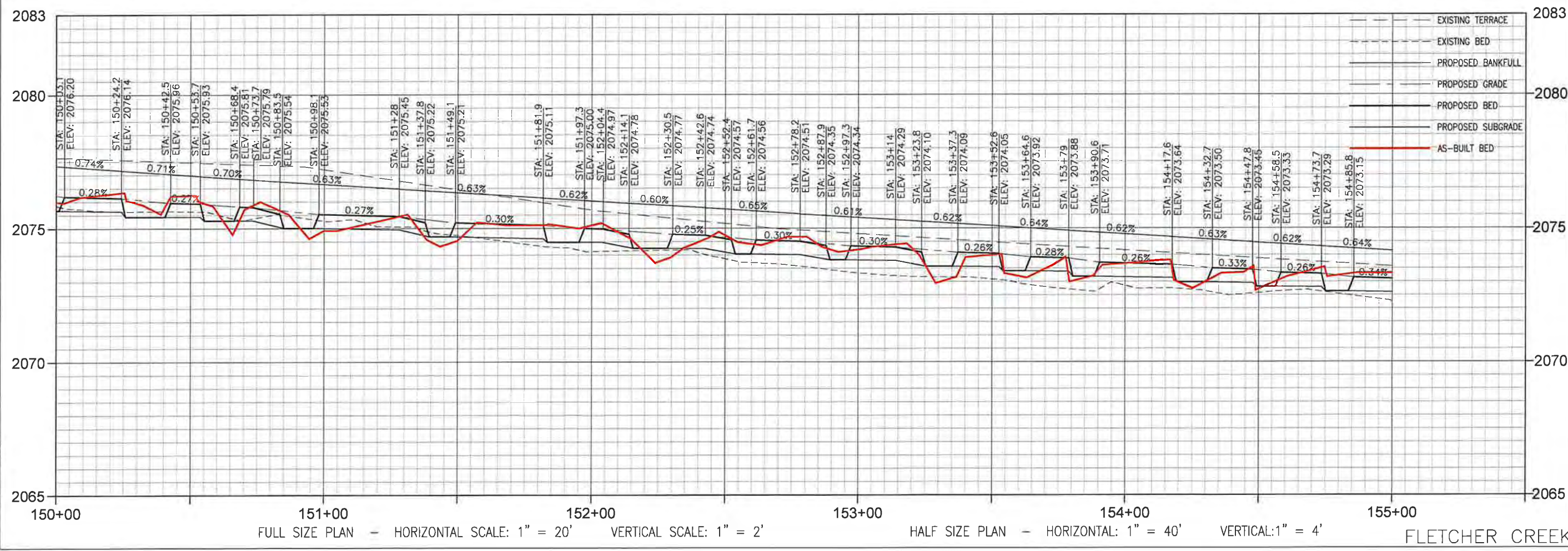
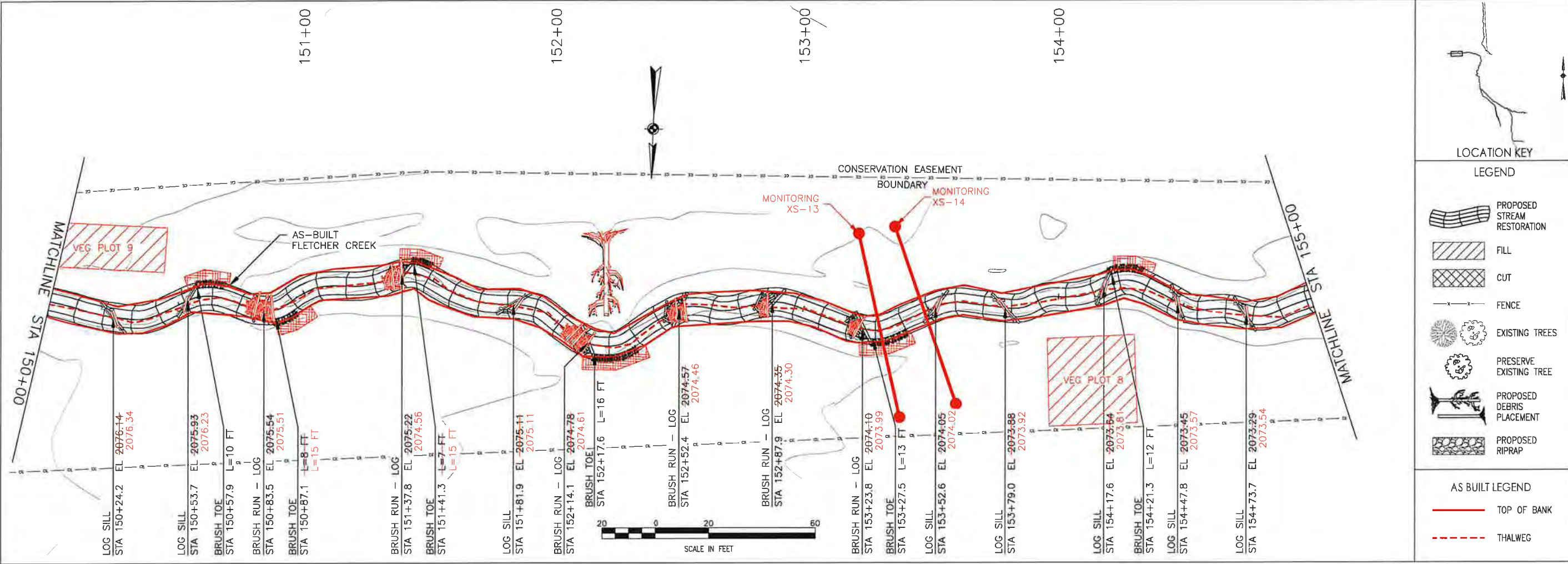
Client/Project  
EW SOLUTIONS, LLC  
FLETCHER CREEK SITE MITIGATION PROJECT  
ENDERSON COUNTY, NORTH CAROLINA

Permit-Seal

Title  
FLETCHER CREEK - PLAN & PROFILE - AS-BUILT  
STA 145+00 - 150+00



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3/19/2019 2:10 PM by: stuart.ryan (stuart.ryan)



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 FLETCHER SITE MITIGATION PROJECT  
 HENDERSON COUNTY, NORTH CAROLINA

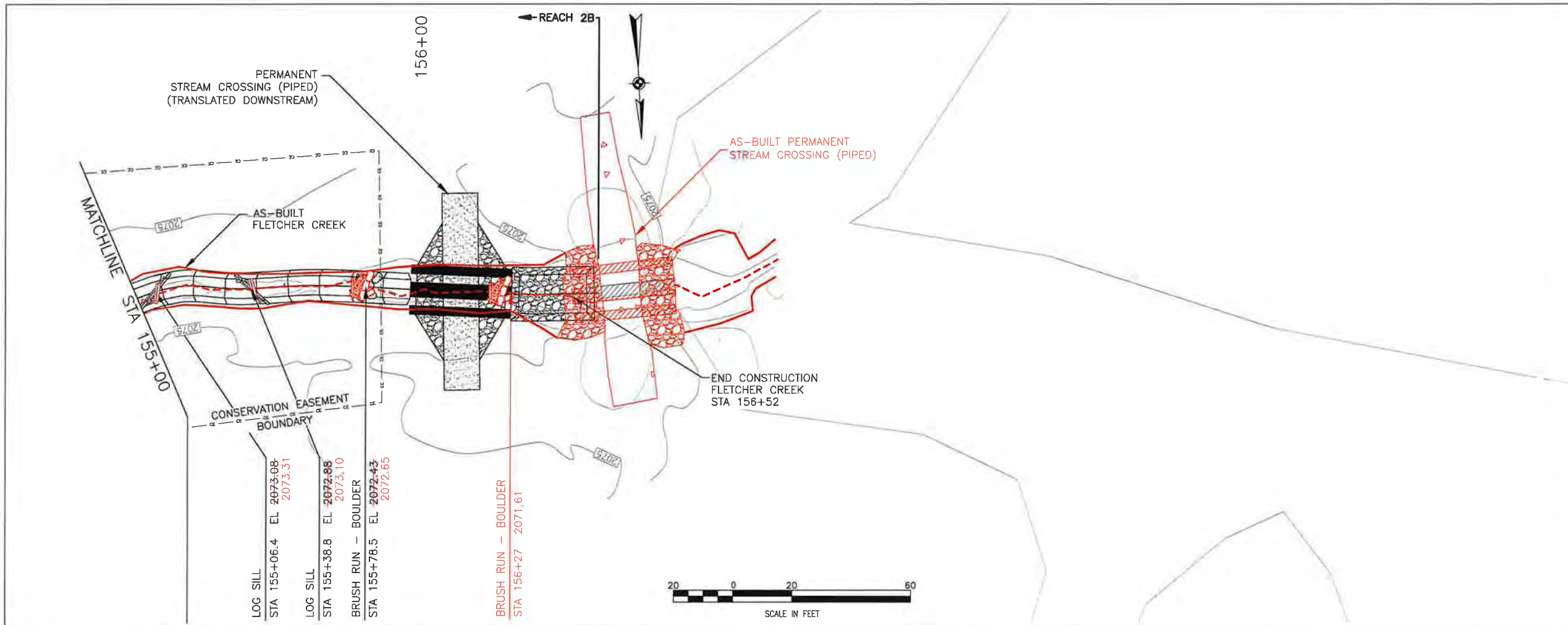
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 STA 150+00 - 155+00

Permit-Seal

**PROFESSIONAL SEAL**  
 ENGINEER  
 PHILIP M. ENBLE  
 4/22/19

Project Number: 172621093

Revision	Sheet
0	AB-14



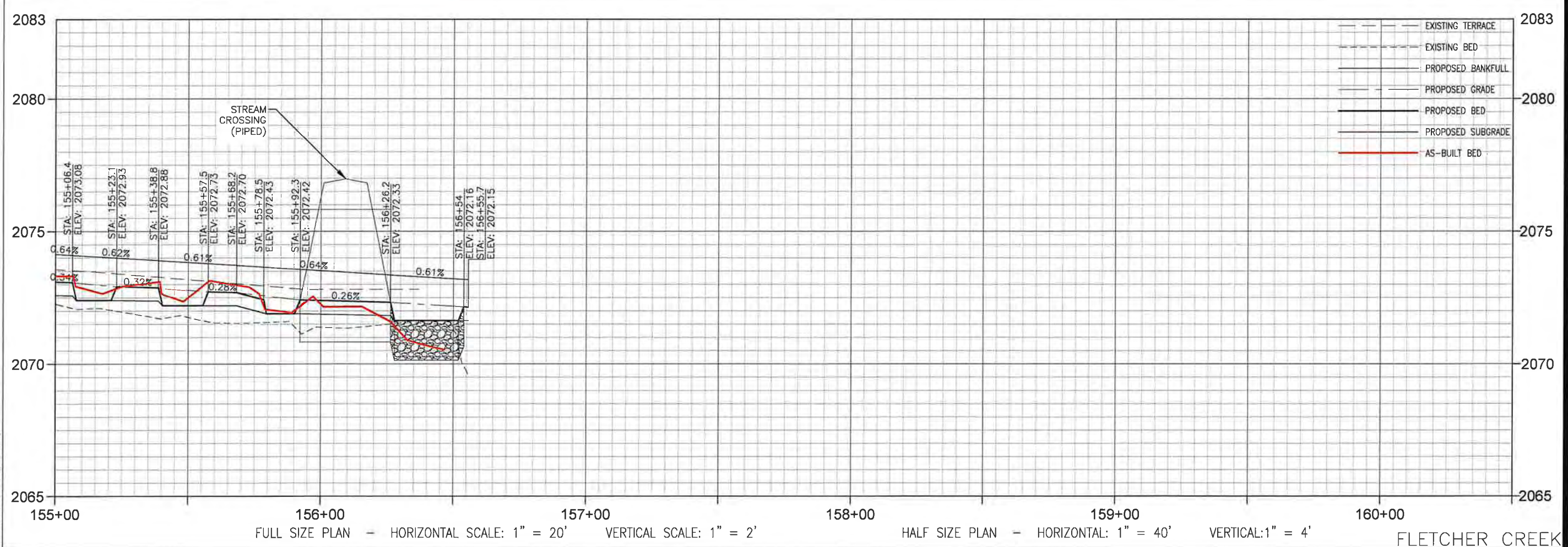
LOCATION KEY

LEGEND

- PROPOSED STREAM RESTORATION
- FILL
- CUT
- FENCE
- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
- PROPOSED RIPRAP

AS BUILT LEGEND

- TOP OF BANK
- THALWEG



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HENDERSON COUNTY, NORTH CAROLINA

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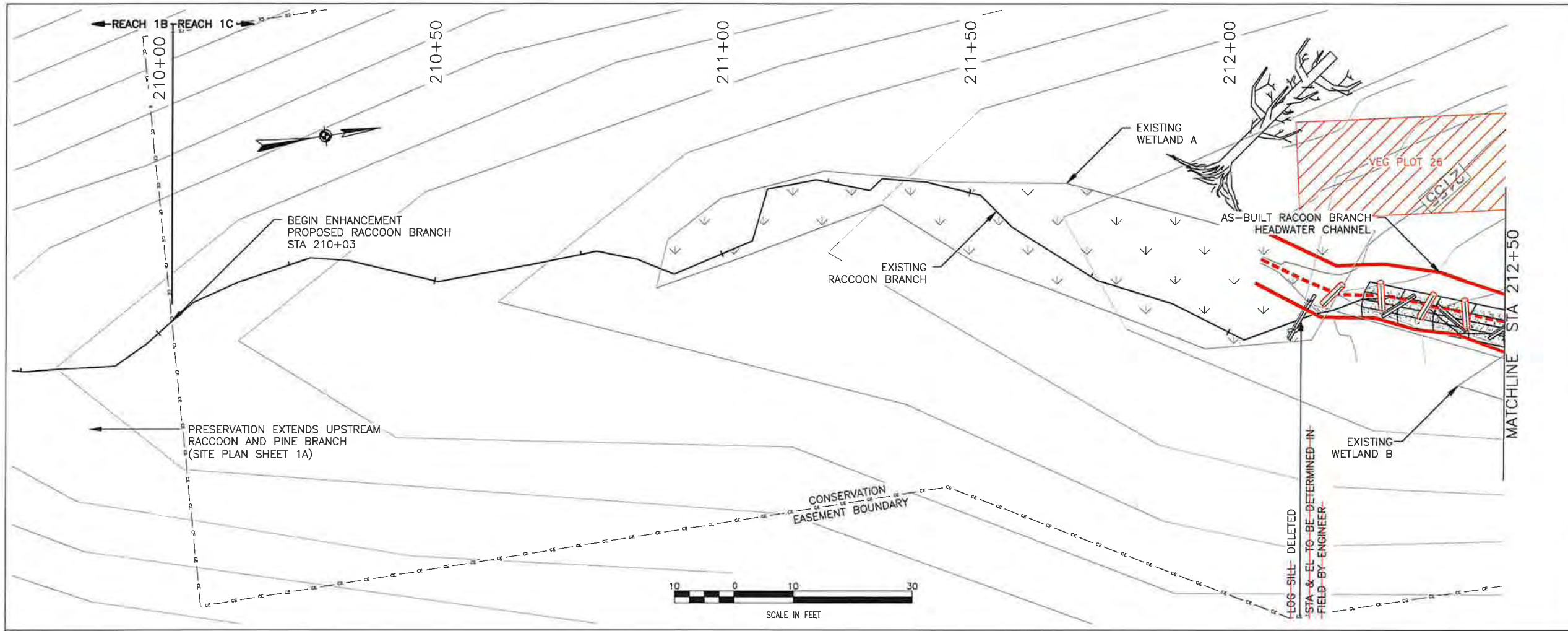
Project Number: 172621093

Revision: 0 Sheet: AB-15

Issue Date: 4/22/19

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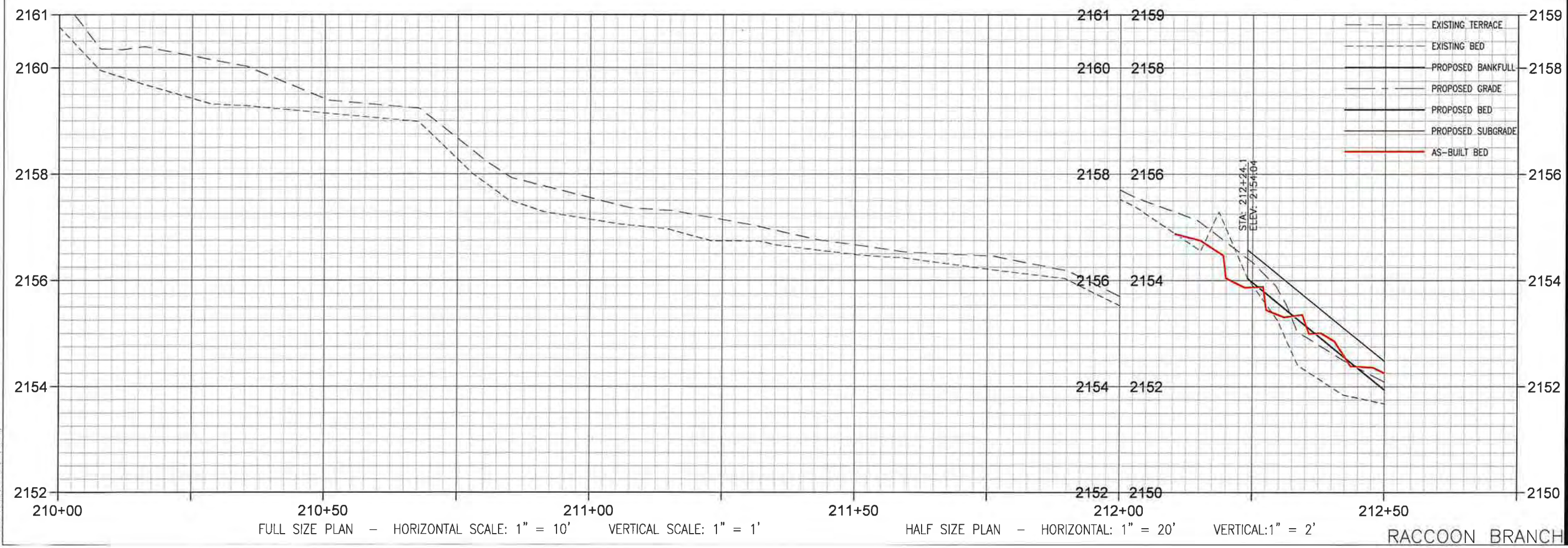
LOCATION KEY

LEGEND

- PROPOSED STREAM RESTORATION
- FILL
- CUT
- FENCE
- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
- PROPOSED RIPRAP

AS BUILT LEGEND

- TOP OF BANK
- THALWEG



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Client/Project: EW SOLUTIONS, LLC  
Title: FLETCHER SITE MITIGATION PROJECT  
HENDERSON COUNTY, NORTH CAROLINA

Permit-Seal:

Project Number: 172621093

Revision	By	Appd.	YY.MM.DD

Issue: By: Appd. YY.MM.DD

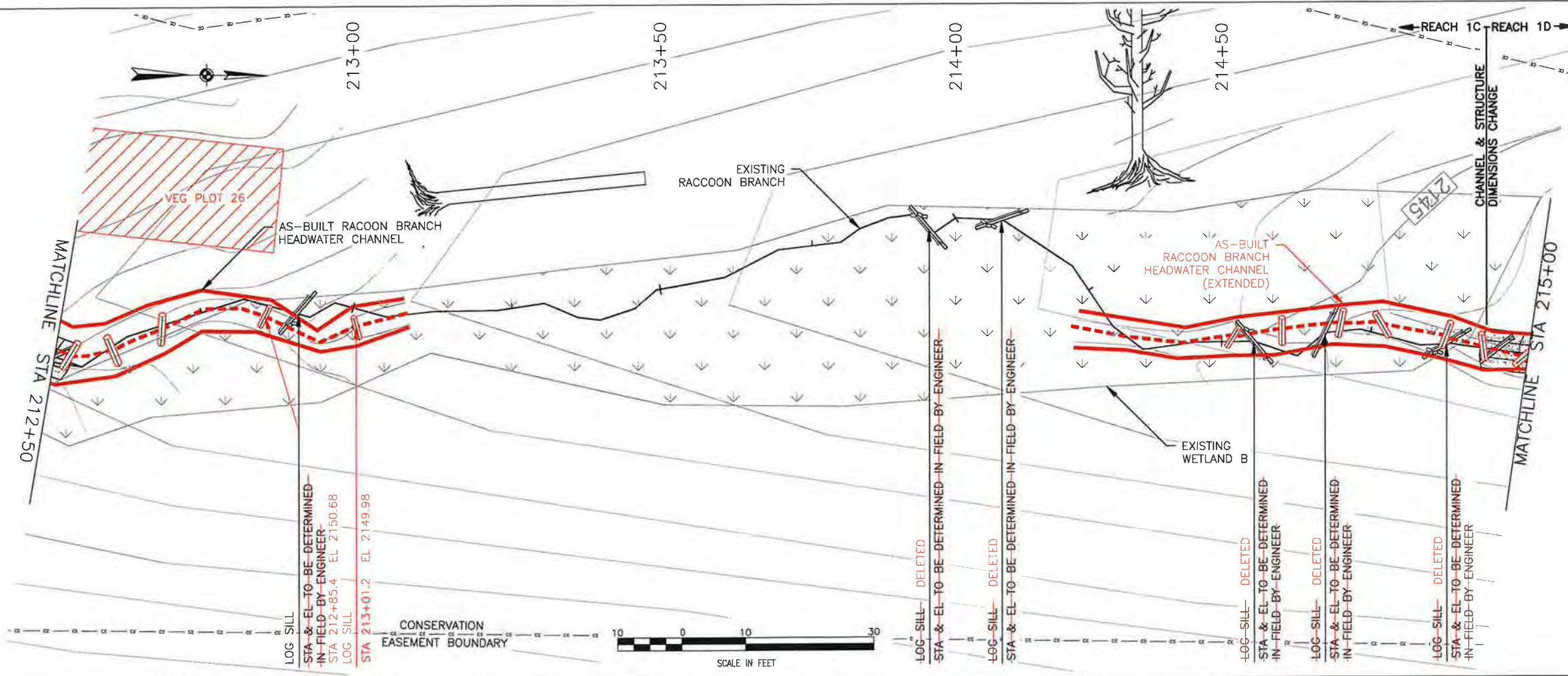
Revision Sheet: 0 AB-16

Project Number: 172621093

RTS SGG CME 19.04.17  
Dwn Chka Dsgn YY.MM.DD



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LOCATION KEY

LEGEND

- PROPOSED STREAM RESTORATION
- FILL
- CUT
- FENCE
- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
- PROPOSED RIPRAP

AS BUILT LEGEND

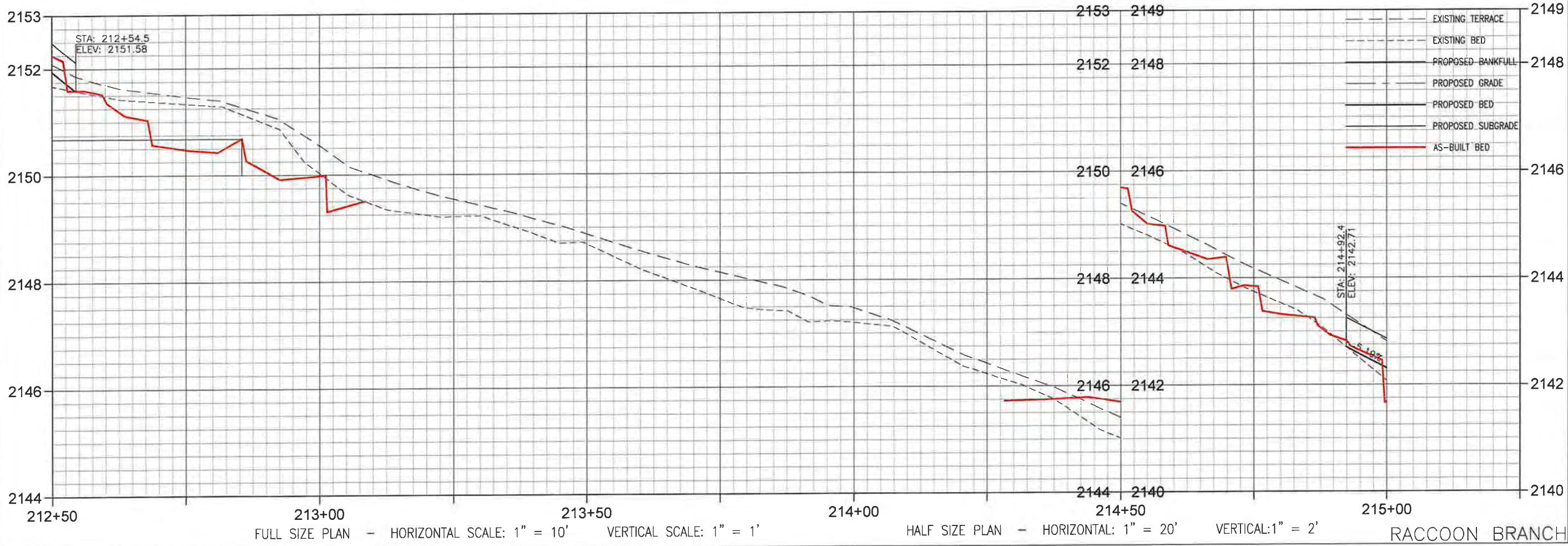
- TOP OF BANK
- THALWEG

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Revision	By	Appd.	Yr./MM/DD

Issued By: Yr./MM/DD



RACCOON BRANCH

Client/Project: EW SOLUTIONS, LLC  
FLETCHER SITE MITIGATION PROJECT  
HENDERSON COUNTY, NORTH CAROLINA

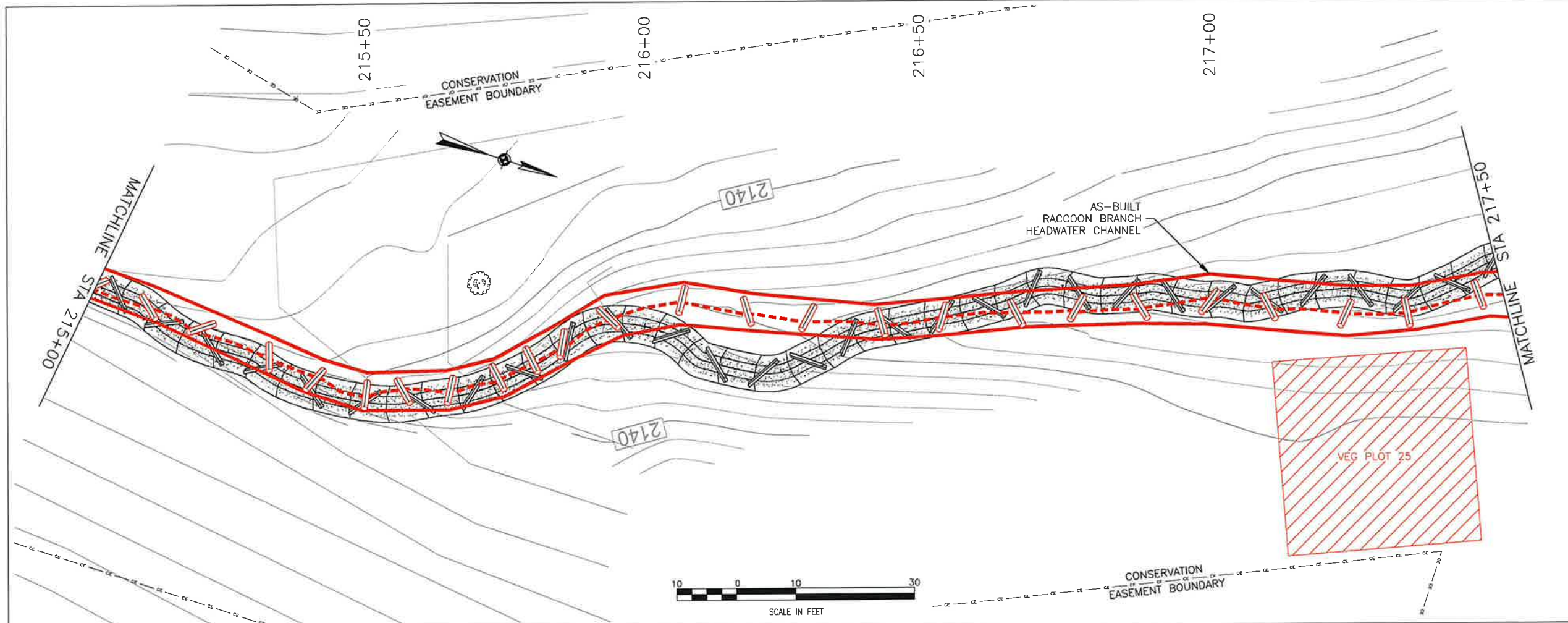
Permit-Seal

Project Number: 172621093

RTS Dwn. SGG Chkd. CME Dsgn. 19.04.17 Yr./MM/DD

Revision Sheet 0 AB-17

Professional Engineer Seal  
CHRISTOPHER M. BRIGGS  
4/22/19



LOCATION KEY

LEGEND

- PROPOSED STREAM RESTORATION
- FILL
- CUT
- FENCE
- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
- PROPOSED RIPRAP

AS BUILT LEGEND

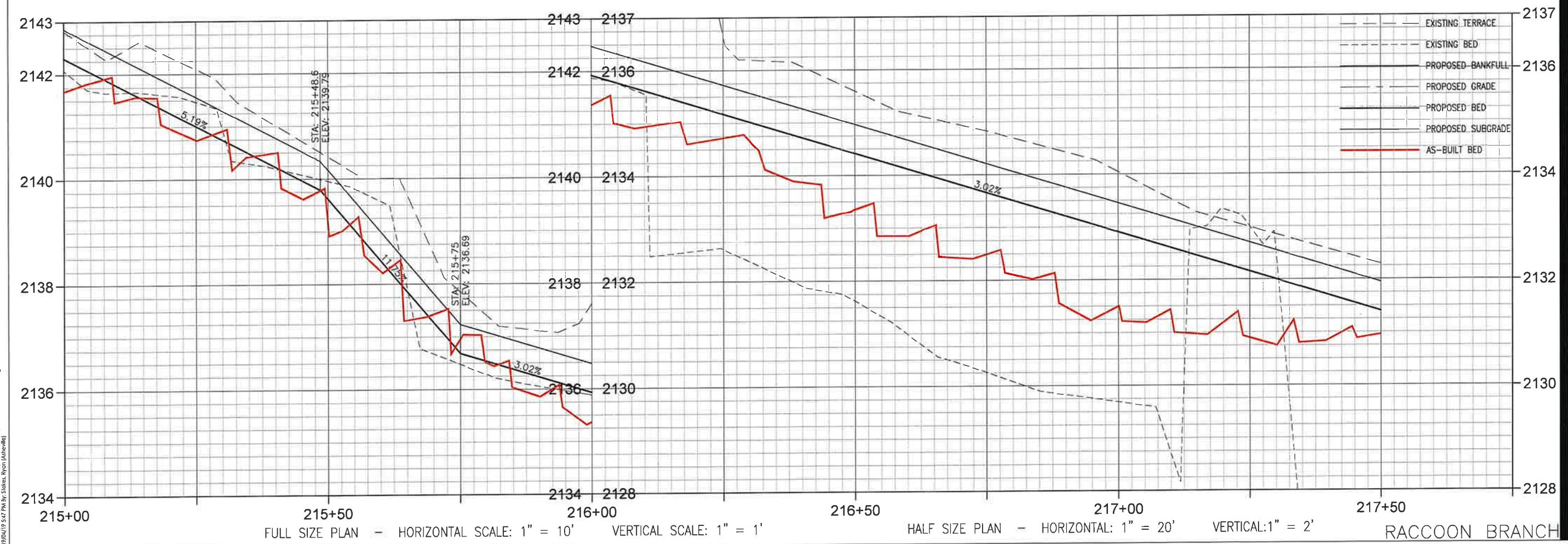
- TOP OF BANK
- THALWEG

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Revision	By	Appd.	Y/M/MD



Client/Project  
EW SOLUTIONS, LLC  
FLETCHER SITE MITIGATION PROJECT  
HENDERSON COUNTY, NORTH CAROLINA

Permit-Seal

Project Number: 172621093

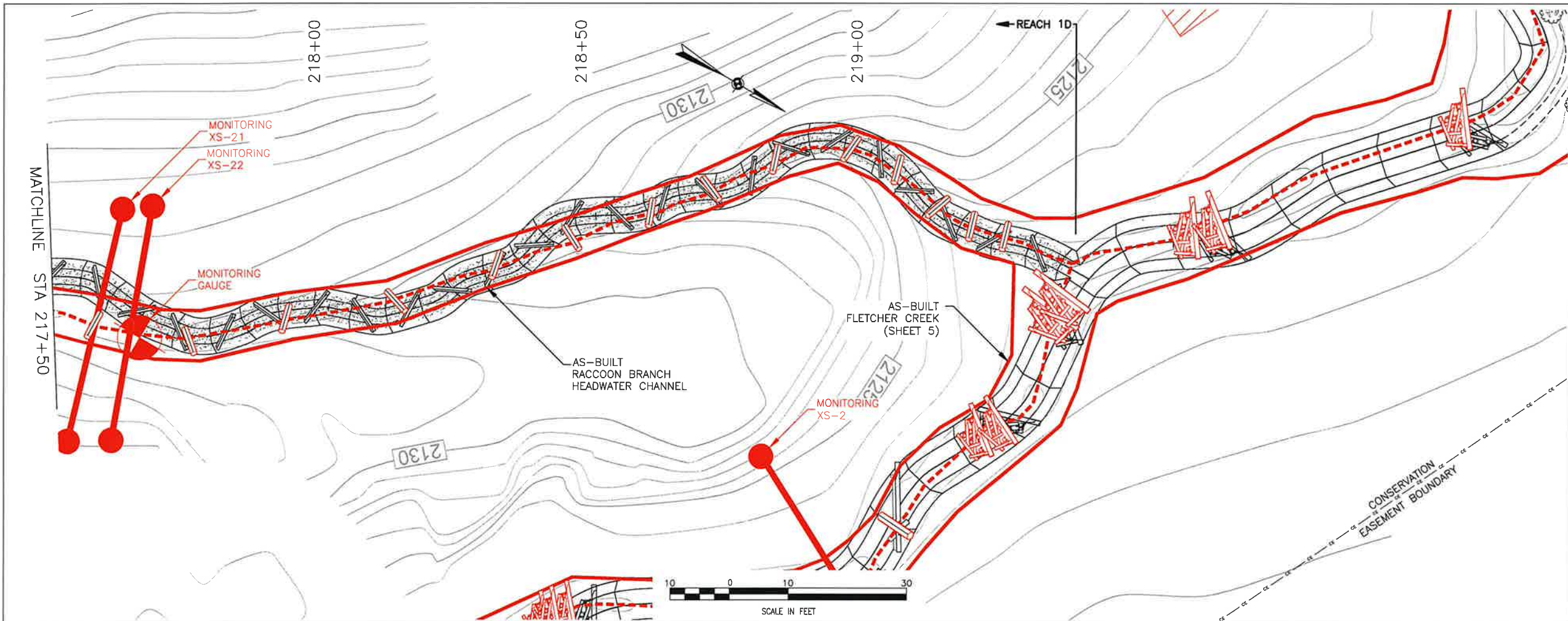
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Revision 0 Sheet AB-18

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LOCATION KEY

LEGEND

- PROPOSED STREAM RESTORATION
- FILL
- CUT
- FENCE
- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
- PROPOSED RIPRAP

AS BUILT LEGEND

- TOP OF BANK
- THALWEG

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Client/Project: EW SOLUTIONS, LLC  
Title: RACCOON BRANCH - PLAN & PROFILE - AS-BUILT  
Permit-Seal: FLETCHER SITE MITIGATION PROJECT  
HENDERSON COUNTY, NORTH CAROLINA

Revision: 0  
By: Y.M.M.D.D.  
Issued: Y.M.M.D.D.



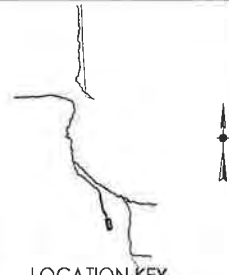
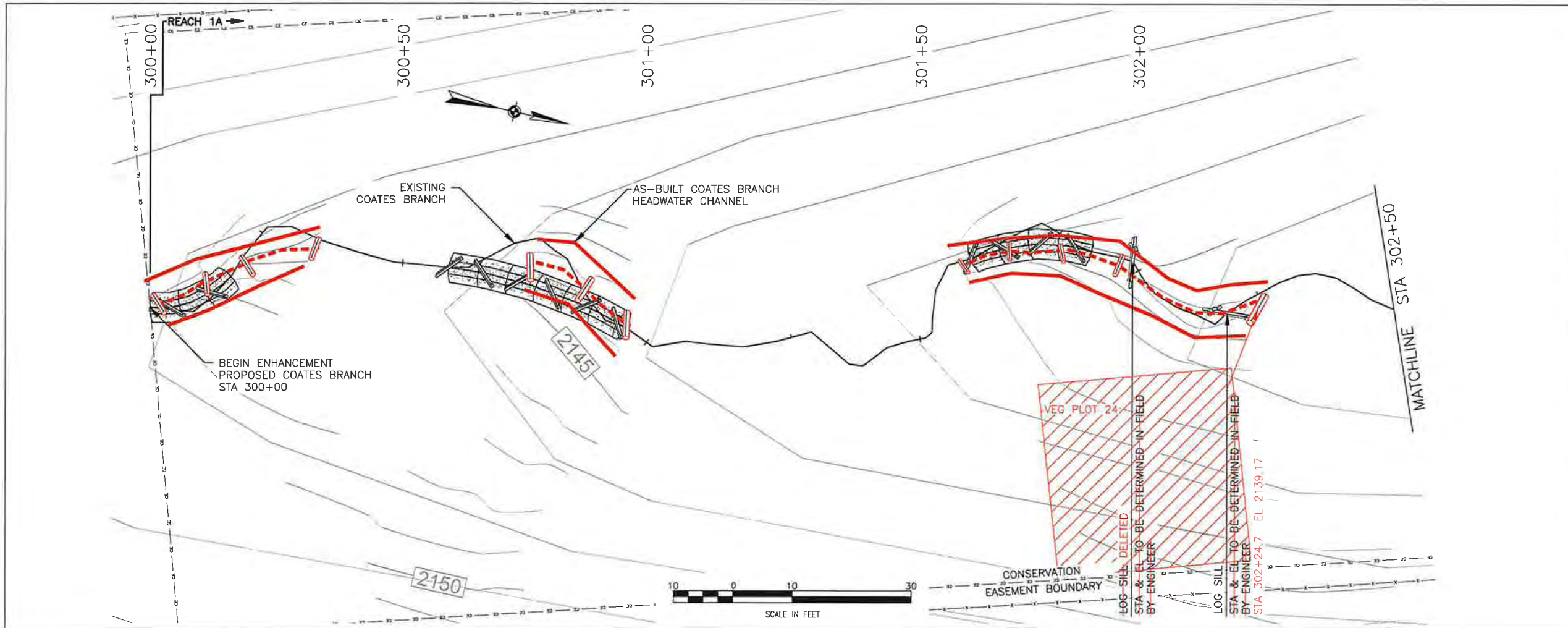
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Permit-Seal: FLETCHER SITE MITIGATION PROJECT  
HENDERSON COUNTY, NORTH CAROLINA

Project Number: 172621093

Revision: 0  
Sheet: AB-19

Professional Engineer Seal: NORTH CAROLINA PROFESSIONAL ENGINEER, CHRISTOPHER M. ENGLE, 018894, 4/22/19

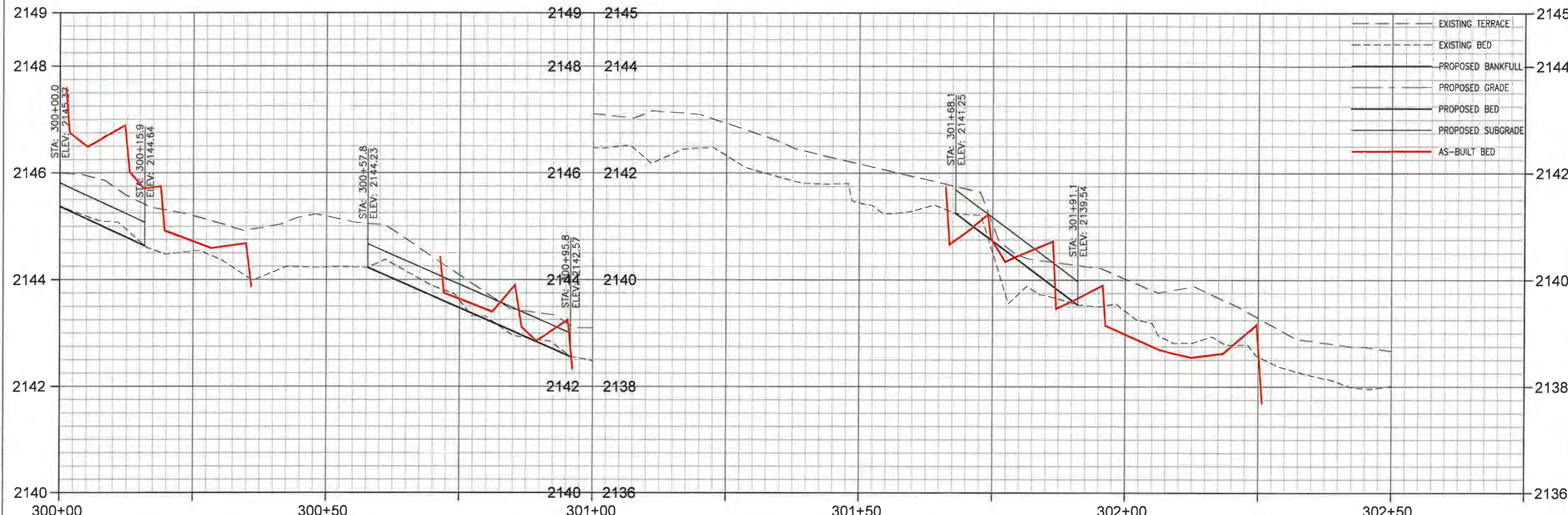
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- LEGEND**
- PROPOSED STREAM RESTORATION
  - FILL
  - CUT
  - FENCE
  - EXISTING TREES
  - PRESERVE EXISTING TREE
  - PROPOSED DEBRIS PLACEMENT
  - PROPOSED RIPRAP

- AS BUILT LEGEND**
- TOP OF BANK
  - THALWEG

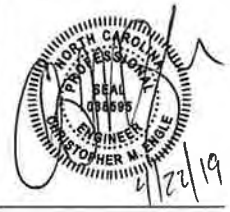
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FULL SIZE PLAN - HORIZONTAL SCALE: 1" = 10' VERTICAL SCALE: 1" = 1'  
 HALF SIZE PLAN - HORIZONTAL: 1" = 20' VERTICAL: 1" = 2'

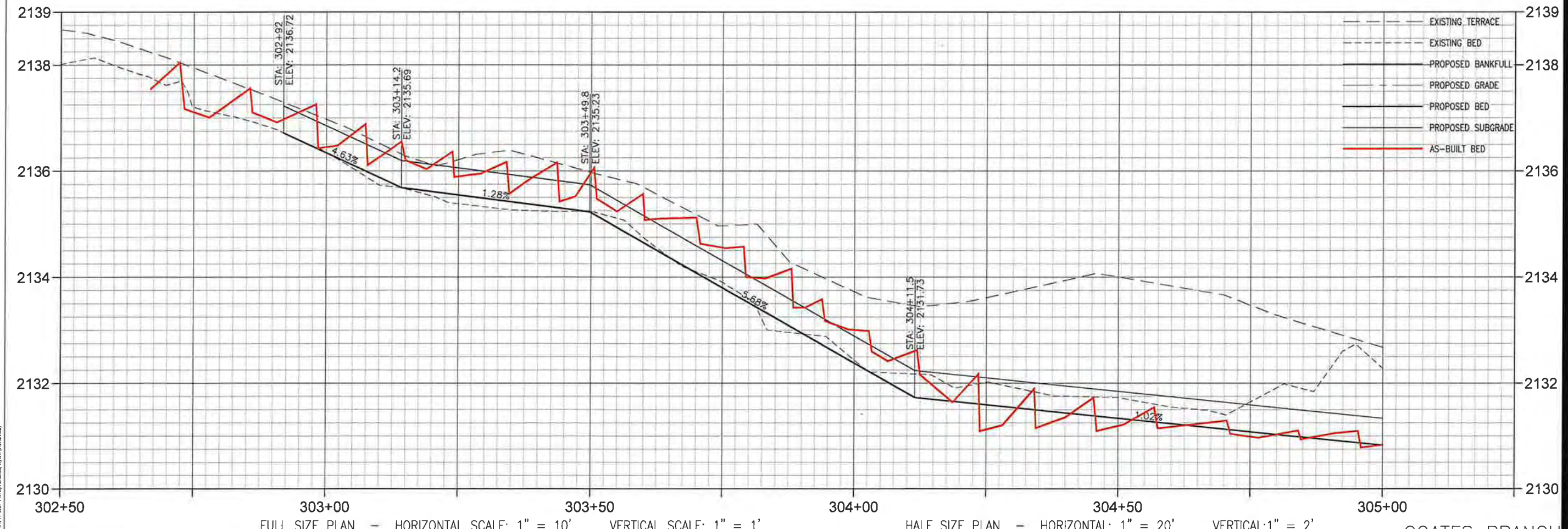
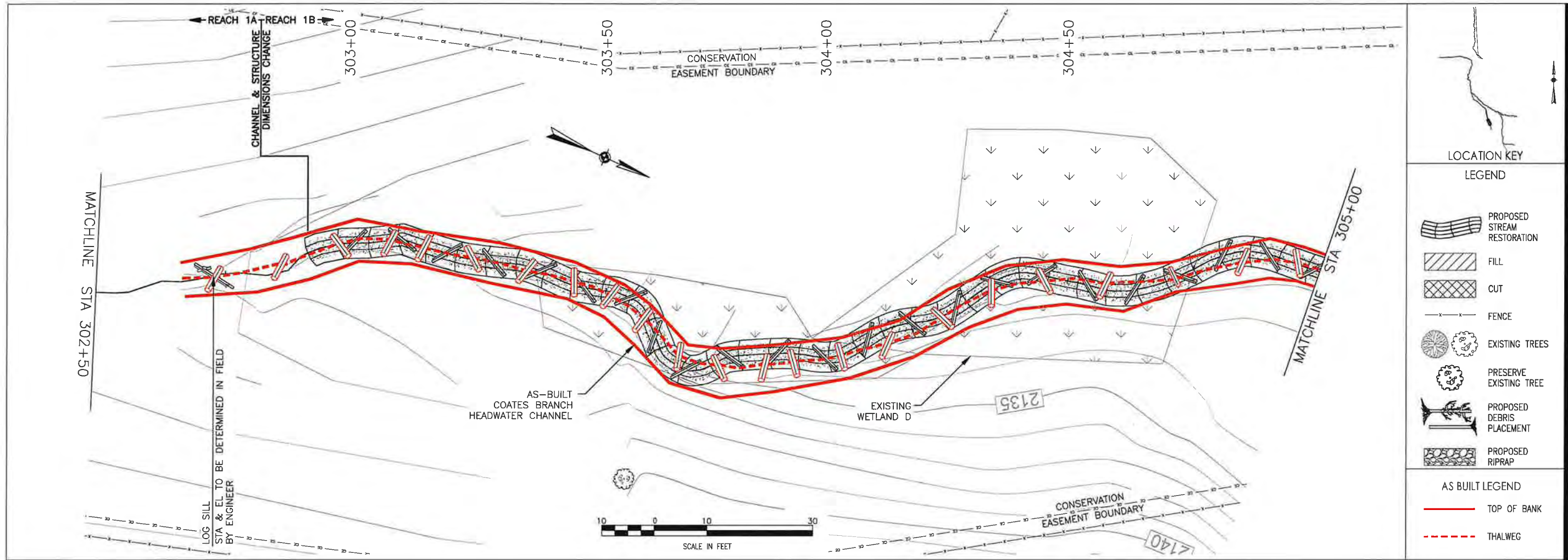
Client/Project  
EW SOLUTIONS, LLC  
FLETCHER SITE MITIGATION PROJECT  
HENDERSON COUNTY, NORTH CAROLINA

Title  
COATES BRANCH - PLAN & PROFILE - AS-BUILT  
STA 300+00 - 302+50



Project Number: 172621093

RTS	SGG	CME	19.04.17
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EW SOLUTIONS, LLC  
FLETCHER SITE MITIGATION PROJECT  
ENDERSON COUNTY, NORTH CAROLINA

Title  
COATES BRANCH - PLAN & PROFILE - AS-BUILT  
STA 302+50 - 305+00

Permit-Seal

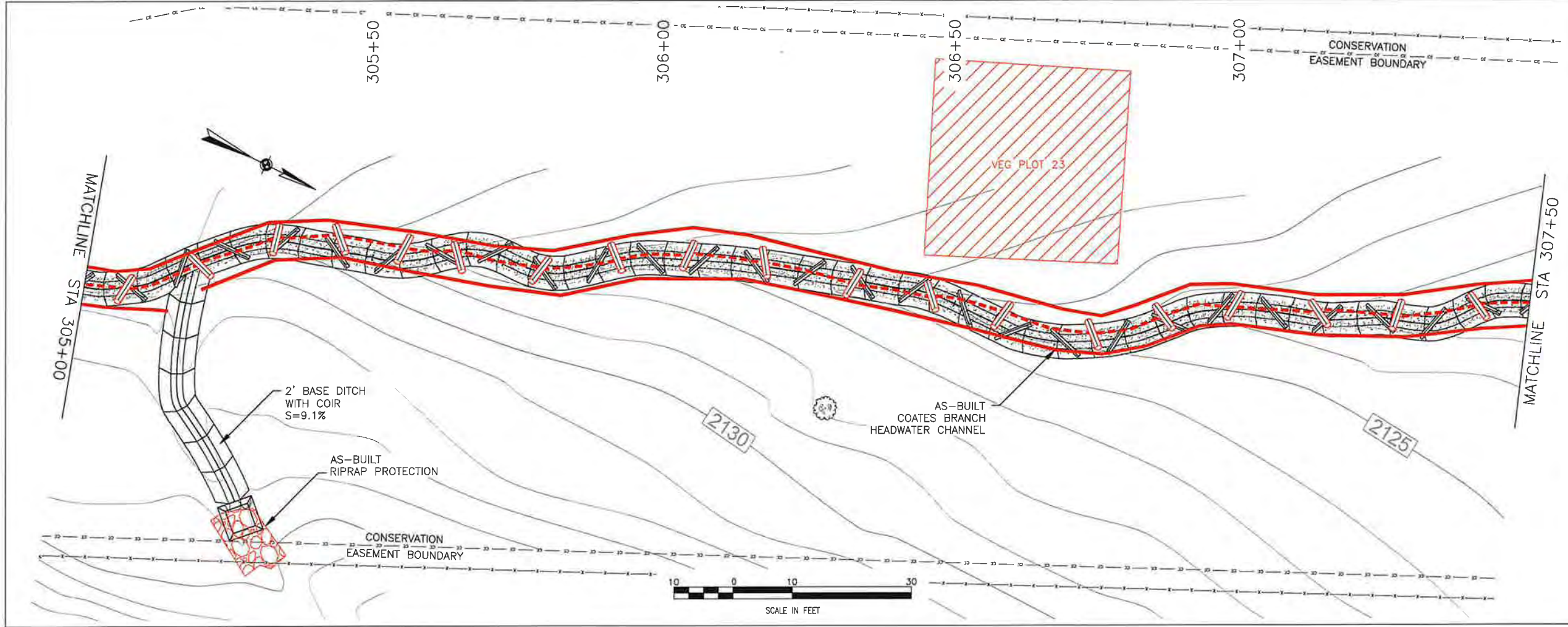
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4/22/19

RTS SGG CME 19.04.17  
Dwn. Chkd Dsgn YY.MM.DD

Revision Sheet  
0 AB-21

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LOCATION KEY

LEGEND

- PROPOSED STREAM RESTORATION
- FILL
- CUT
- FENCE
- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
- PROPOSED RIPRAP

AS BUILT LEGEND

- TOP OF BANK
- THALWEG

**Stantec**

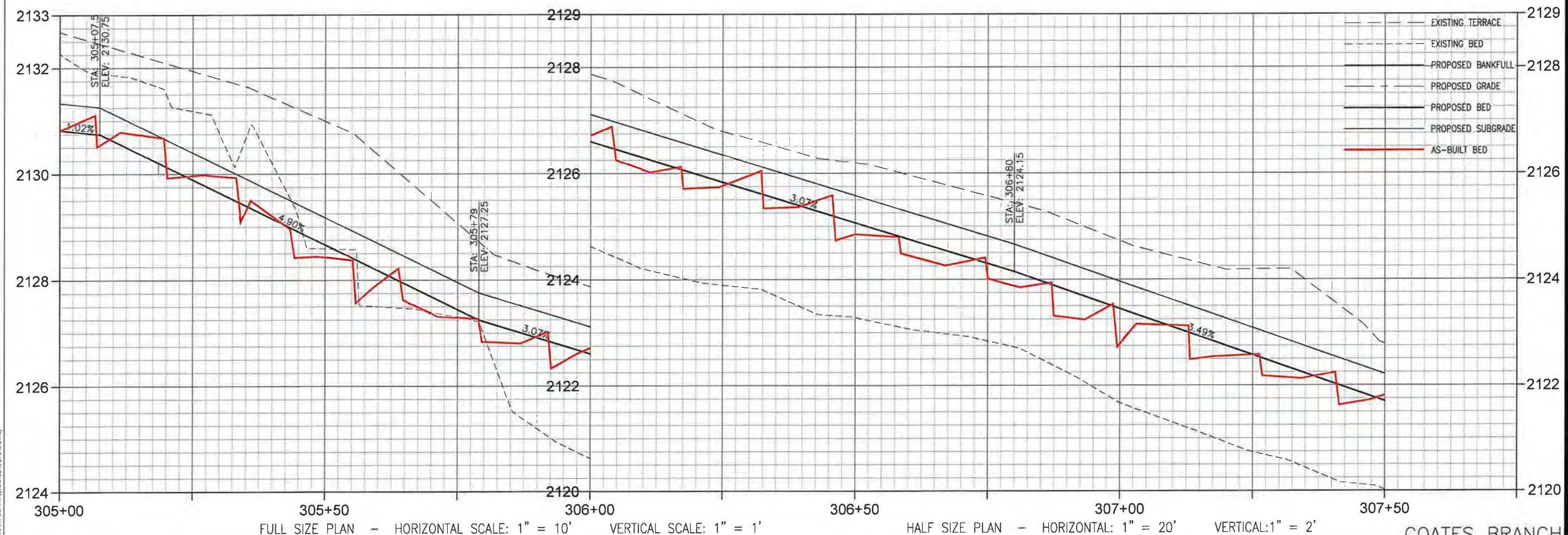
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EW SOLUTIONS, LLC  
FLETCHER SITE MITIGATION PROJECT  
HENDERSON COUNTY, NORTH CAROLINA

Permit-Seal

Project Number: 172621093

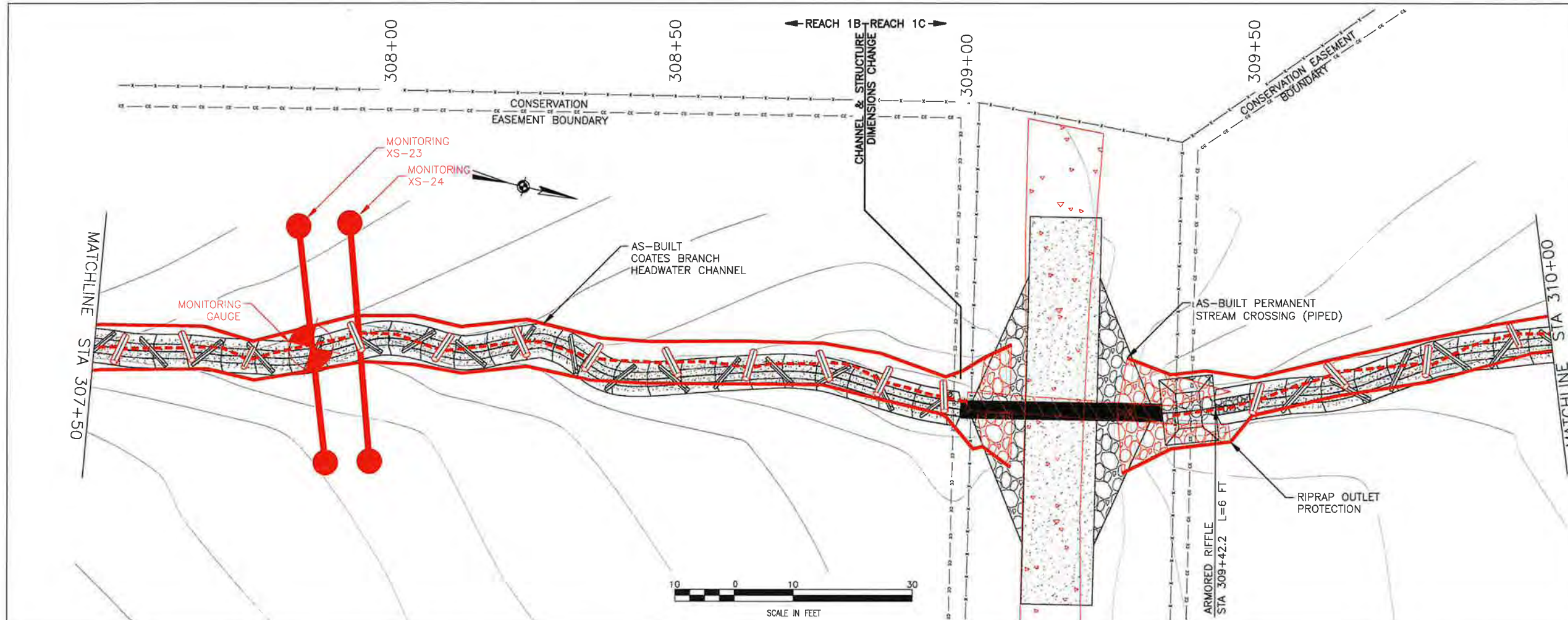
Project Engineer  
PHILIP J. BEAL  
Professional Engineer  
No. 131595  
State of North Carolina  
4/22/19

Revision	Sheet
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FULL SIZE PLAN - HORIZONTAL SCALE: 1" = 10' VERTICAL SCALE: 1" = 1'  
 HALF SIZE PLAN - HORIZONTAL: 1" = 20' VERTICAL: 1" = 2'  
 COATES BRANCH



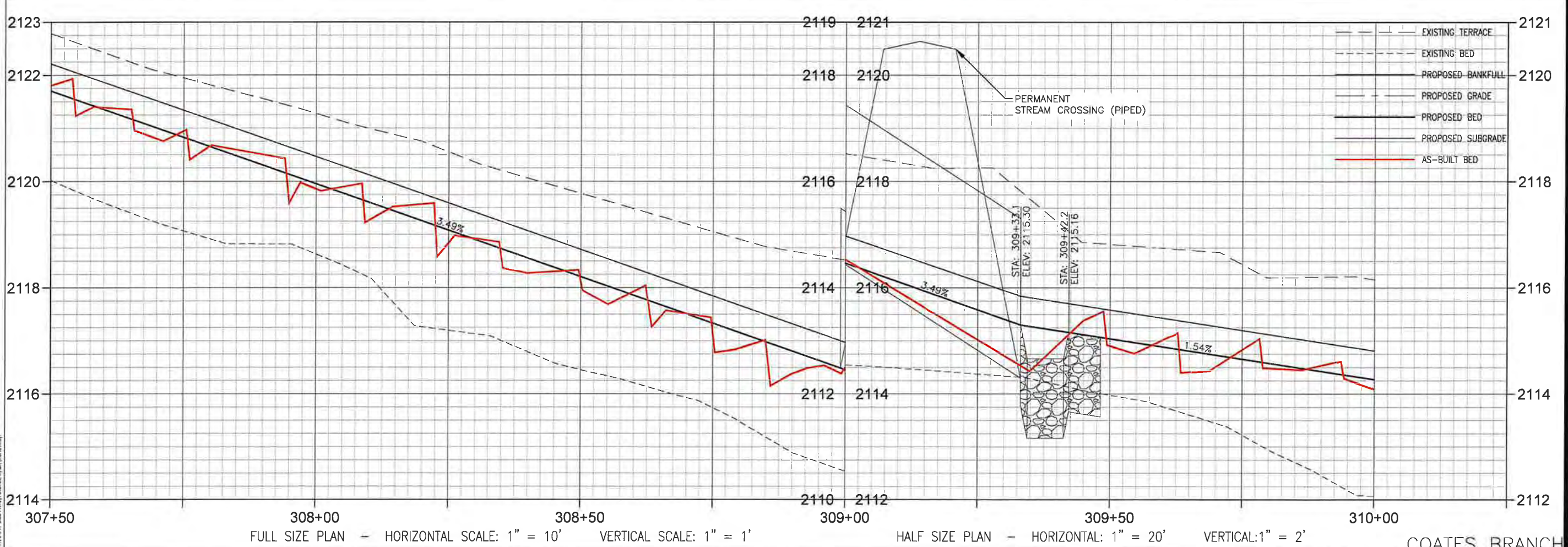
LOCATION KEY

LEGEND

- PROPOSED STREAM RESTORATION
- FILL
- CUT
- FENCE
- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
- PROPOSED RIPRAP

AS BUILT LEGEND

- TOP OF BANK
- THALWEG



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Permit-Seal: HENDERSON COUNTY, NORTH CAROLINA  
Title: COATES BRANCH - PLAN & PROFILE - AS-BUILT  
STA 307+50 - 310+00

Revision: 0  
Sheet: AB-23

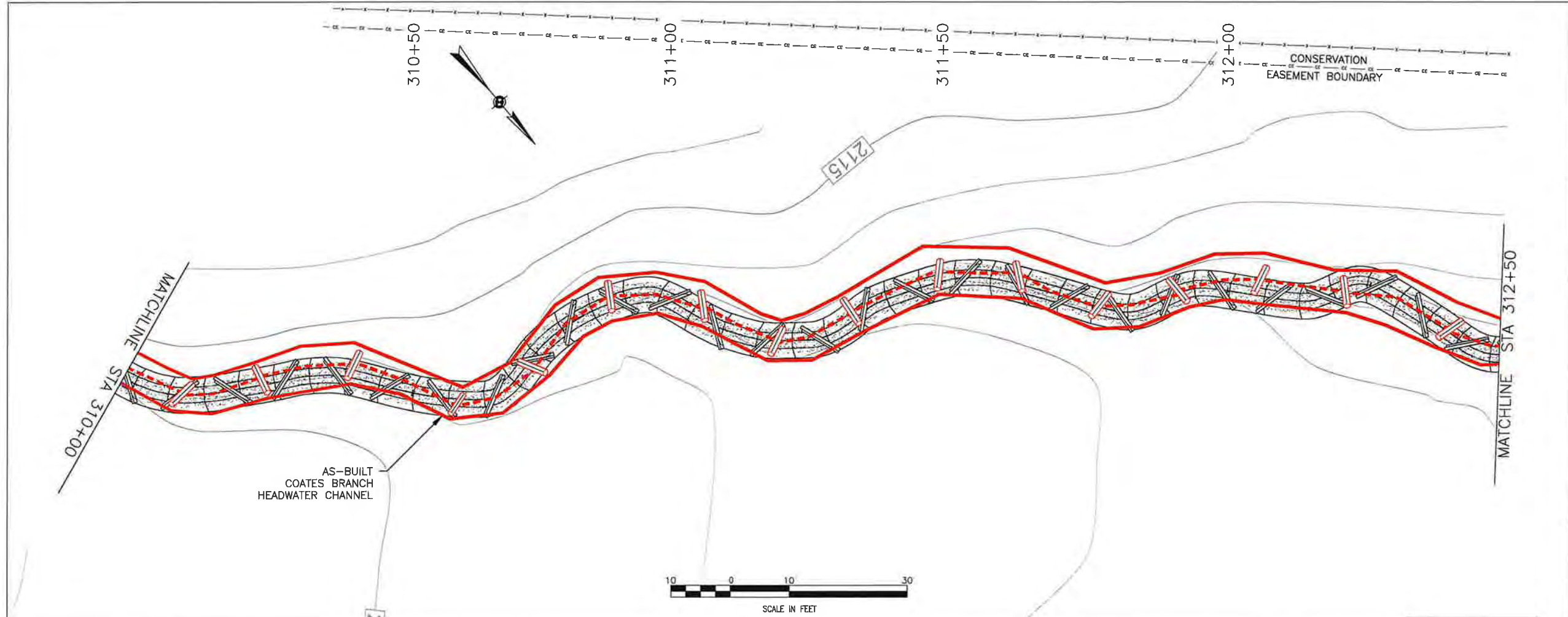
Project Number: 172621093

RTS Dwn. SGG Chkd. CME Dsgn. 19.04.17 YY.MM.DD

Revision: 0  
Sheet: AB-23

4/22/19

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**LOCATION KEY**

**LEGEND**

- PROPOSED STREAM RESTORATION
- FILL
- CUT
- FENCE
- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
- PROPOSED RIPRAP

**AS BUILT LEGEND**

- TOP OF BANK
- THALWEG

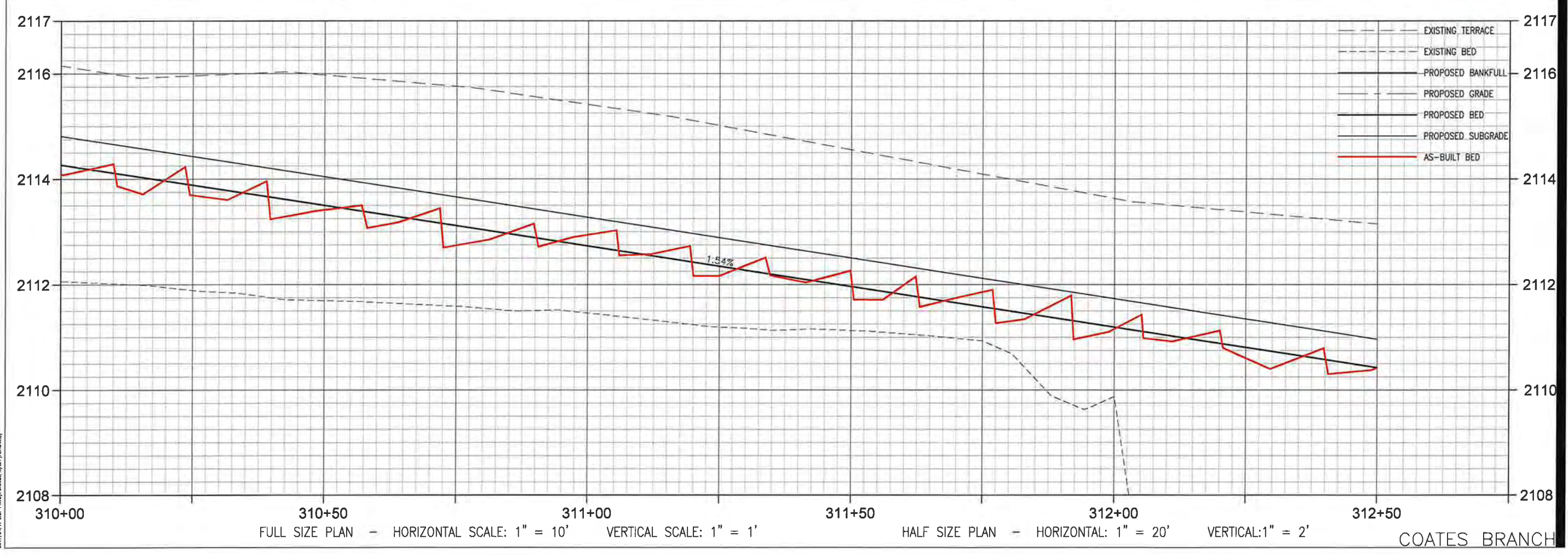
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 ASHEVILLE, NC 28801  
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Client/Project: EW SOLUTIONS, LLC  
 Fletcher Site Mitigation Project  
 Henderson County, North Carolina

Revision	By	Appd.	Y/M/MD

Project Number: 172621093  
 Title: COATES BRANCH - PLAN & PROFILE - AS-BUILT  
 STA 310+00 - 312+50

Revision: 0 Sheet: AB-24



Client/Project: EW SOLUTIONS, LLC  
 Fletcher Site Mitigation Project  
 Henderson County, North Carolina

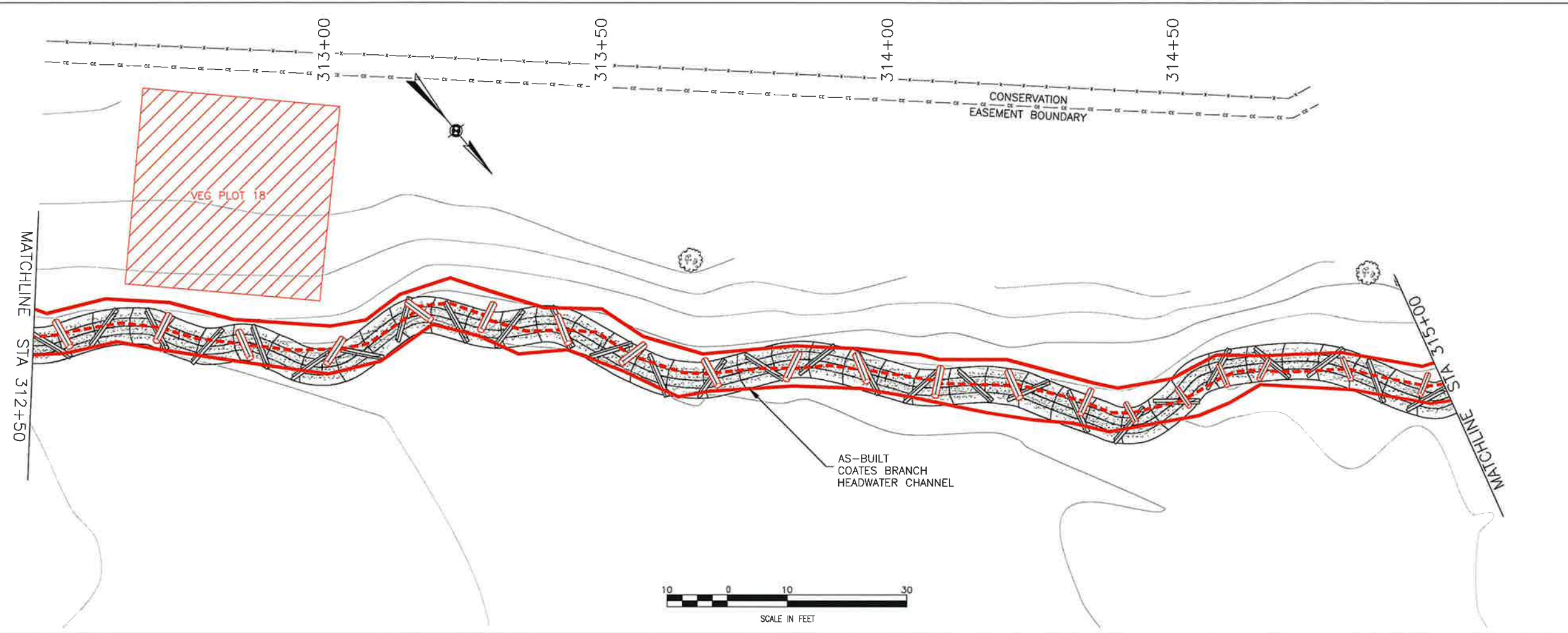
Permit-Seal: [Professional Engineer Seal for Christopher M. Engle]

Project Number: 172621093  
 Title: COATES BRANCH - PLAN & PROFILE - AS-BUILT  
 STA 310+00 - 312+50

Revision	Dwn.	SGG Chkd.	CME Dsgn.	19.04.17 Y/M/MD

Revision: 0 Sheet: AB-24





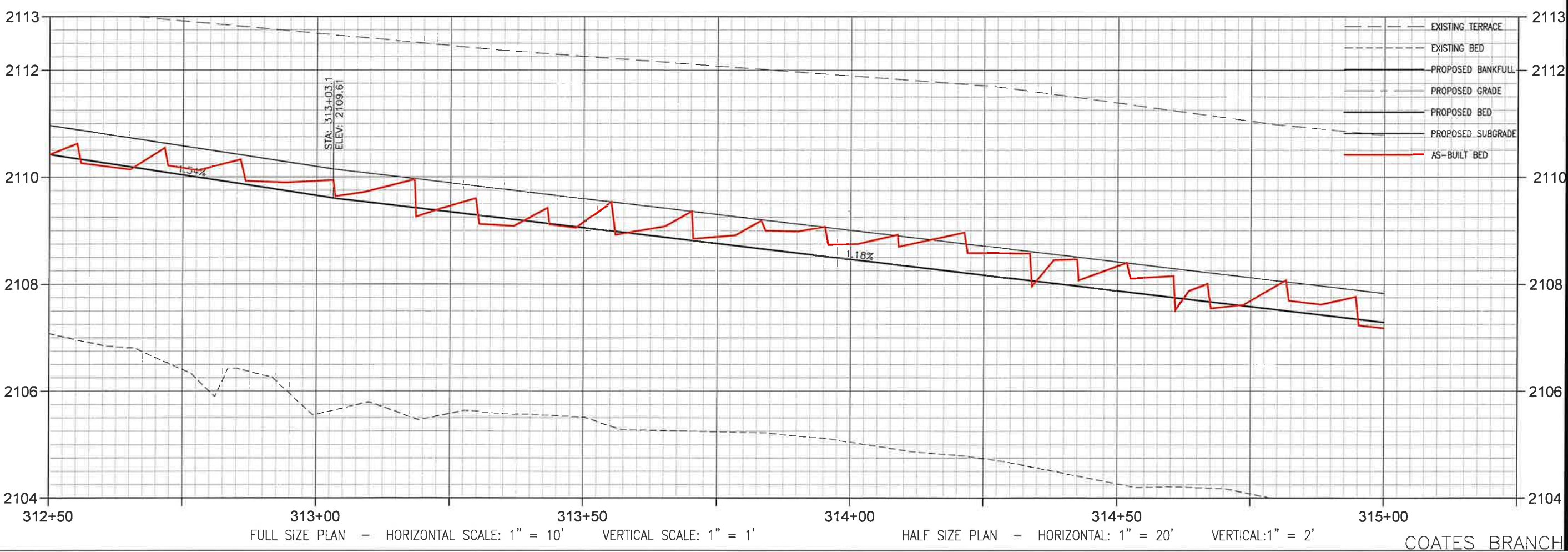
**LOCATION KEY**

**LEGEND**

- PROPOSED STREAM RESTORATION
- FILL
- CUT
- EXISTING FENCE
- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
- PROPOSED RIPRAP

**AS BUILT LEGEND**

- TOP OF BANK
- THALWEG



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Revision	By	Appd.	YY/MM/DD

Issued By: YY/MM/DD

Client/Project: EW SOLUTIONS, LLC  
FLETCHER SITE MITIGATION PROJECT  
HENDERSON COUNTY, NORTH CAROLINA  
Title: COATES BRANCH - PLAN & PROFILE - AS-BUILT  
STA 312+50 - 315+00

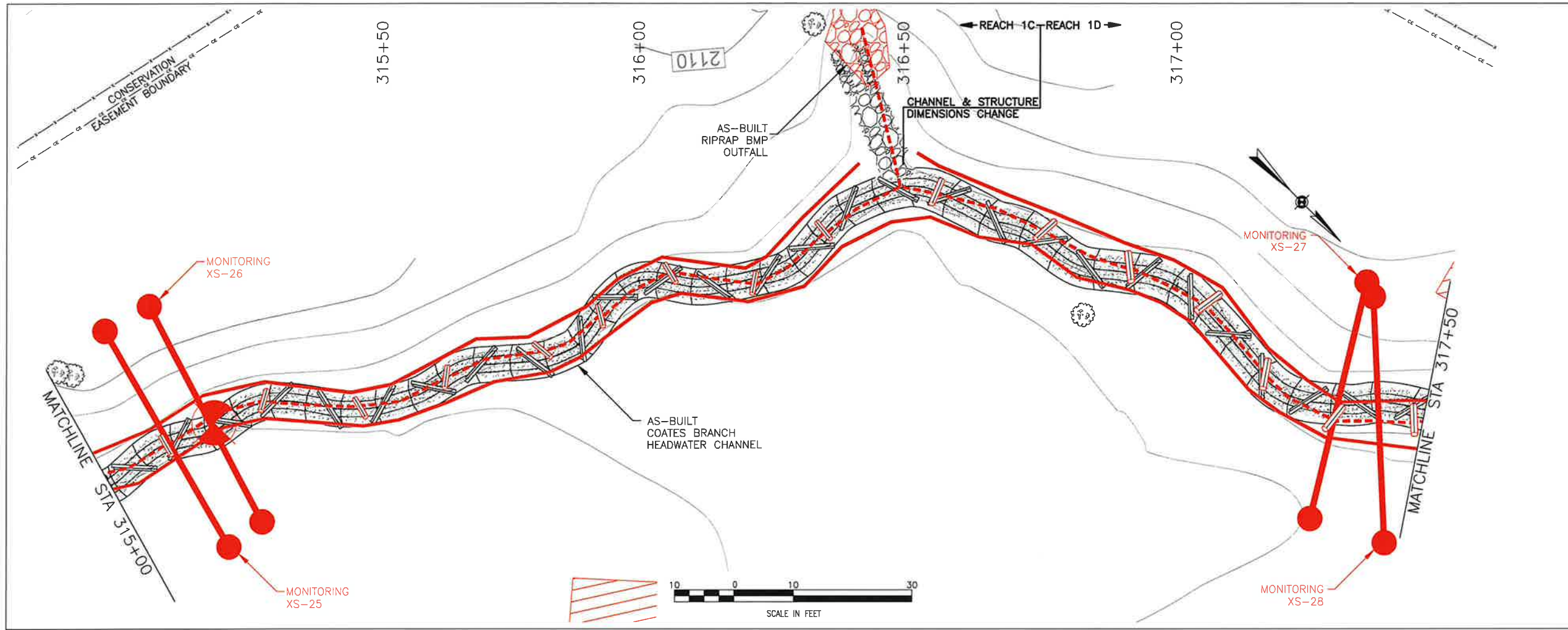
Permit-Seal

Project Number: 172621093

RTS Dwn.	SGG Chkd.	CME Dsgn.	19.04.17 YY.MM.DD

Revision 0 Sheet AB-25

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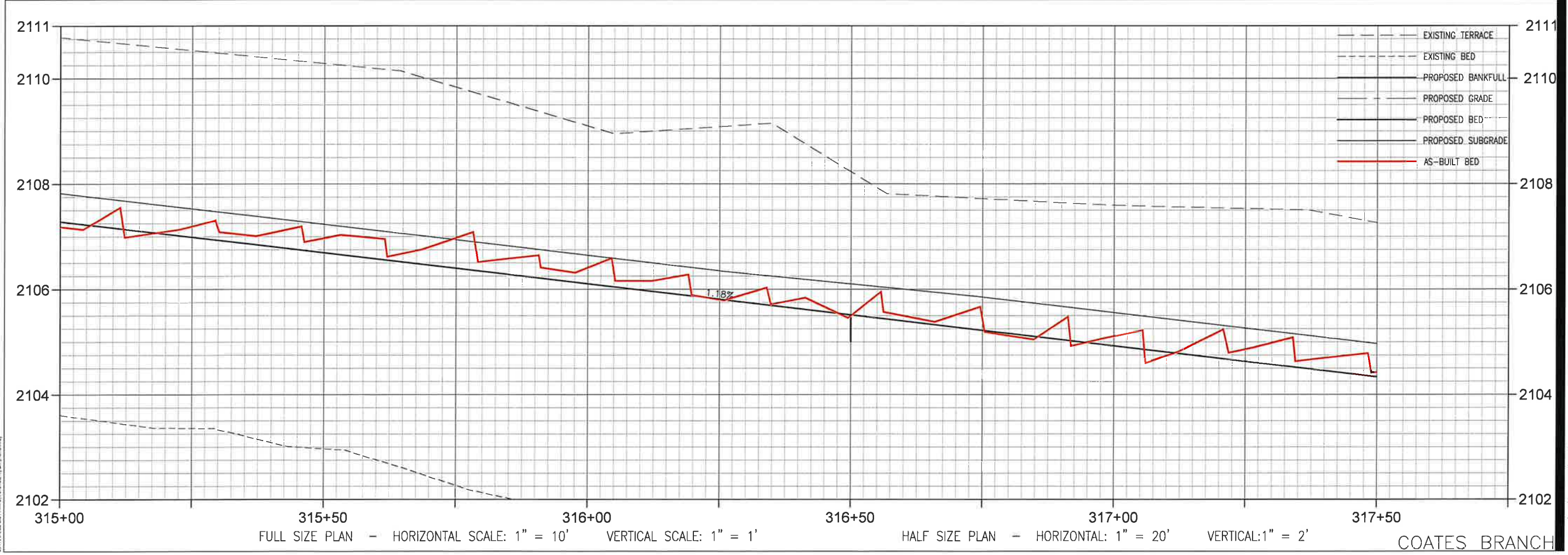
**LOCATION KEY**

**LEGEND**

- PROPOSED STREAM RESTORATION
- FILL
- CUT
- FENCE
- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
- PROPOSED RIPRAP

**AS BUILT LEGEND**

- TOP OF BANK
- THALWEG



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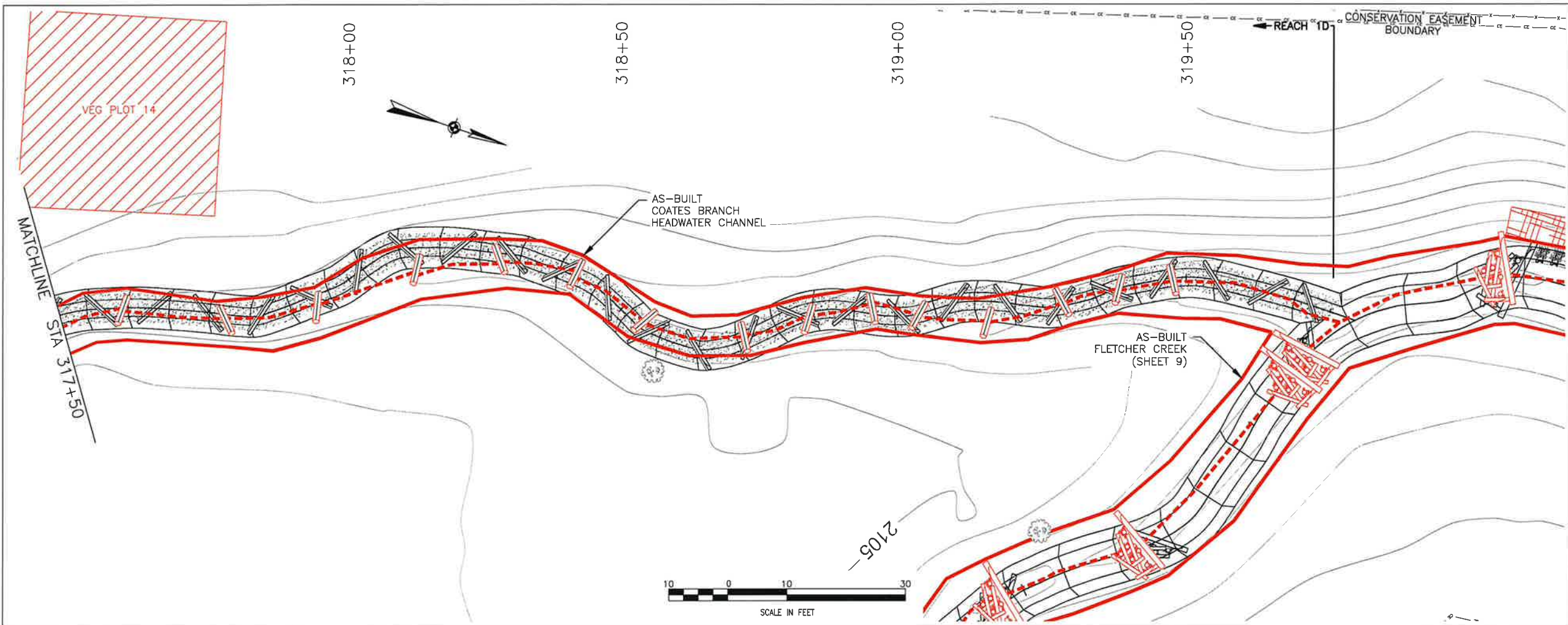
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	Appd.		
	By		
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	Appd.		

Client/Project: EW SOLUTIONS, LLC  
Title: FLETCHER SITE MITIGATION PROJECT  
Permit-Seal: HENDERSON COUNTY, NORTH CAROLINA  
Project Number: 172621093

RTS Dwn. SGG Chkd. CME Dsgn. 19.04.17 YY.MM.DD

Revision Sheet 0 AB - 26

**Professional Engineer Seal:** NORTH CAROLINA PROFESSIONAL ENGINEER, PHILIP M. SMITH, No. 108899, 4/22/19



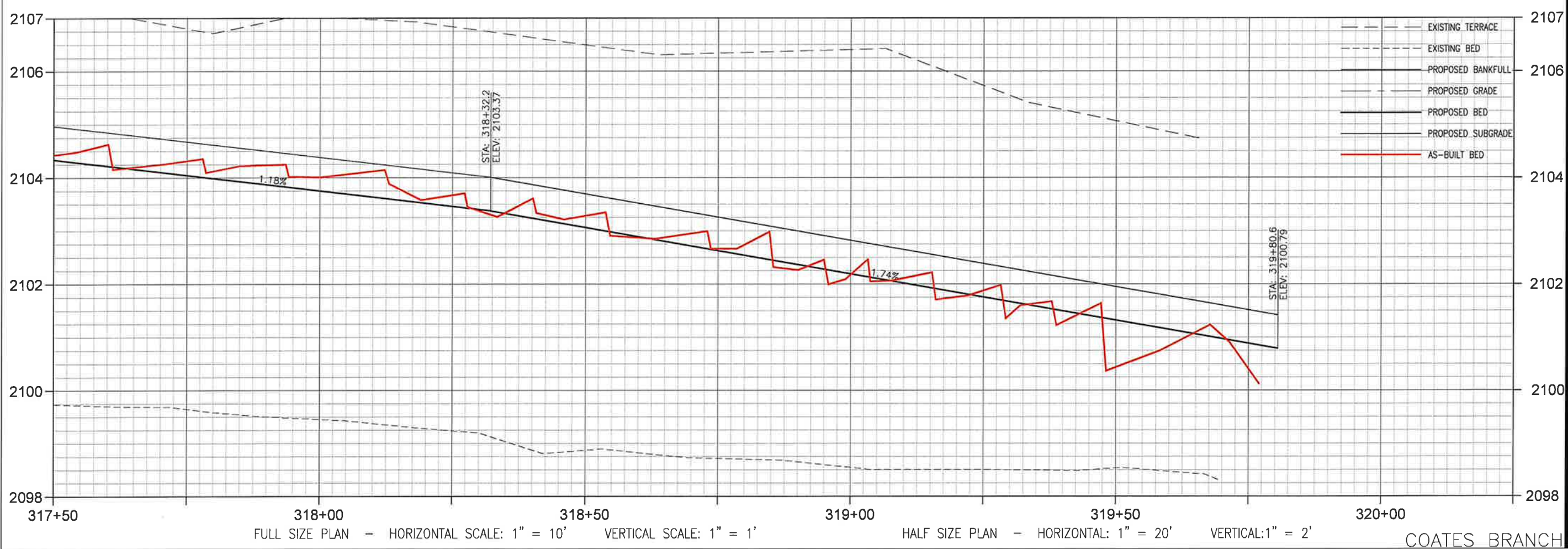
LOCATION KEY

LEGEND

- PROPOSED STREAM RESTORATION
- FILL
- CUT
- FENCE
- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
- PROPOSED RIPRAP

AS BUILT LEGEND

- TOP OF BANK
- THALWEG



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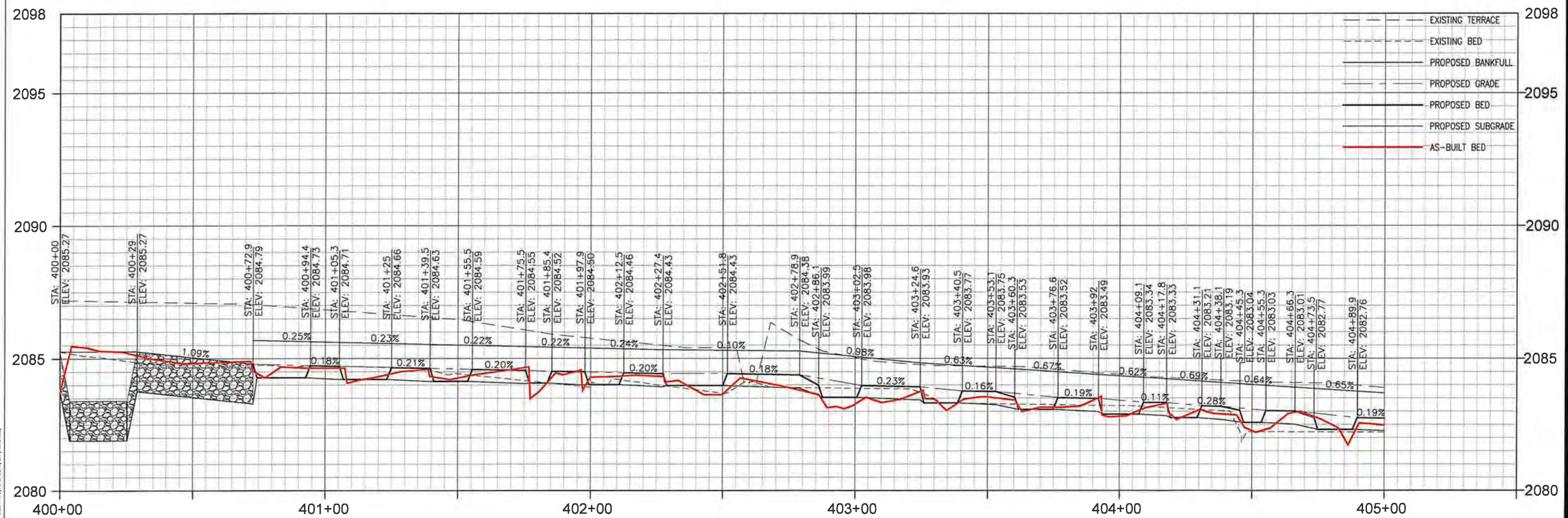
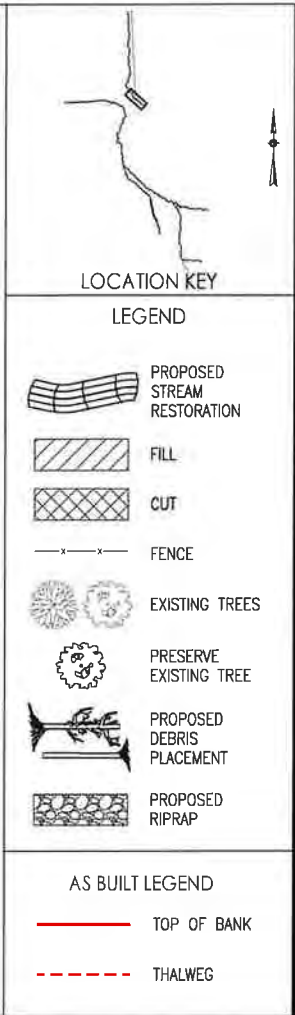
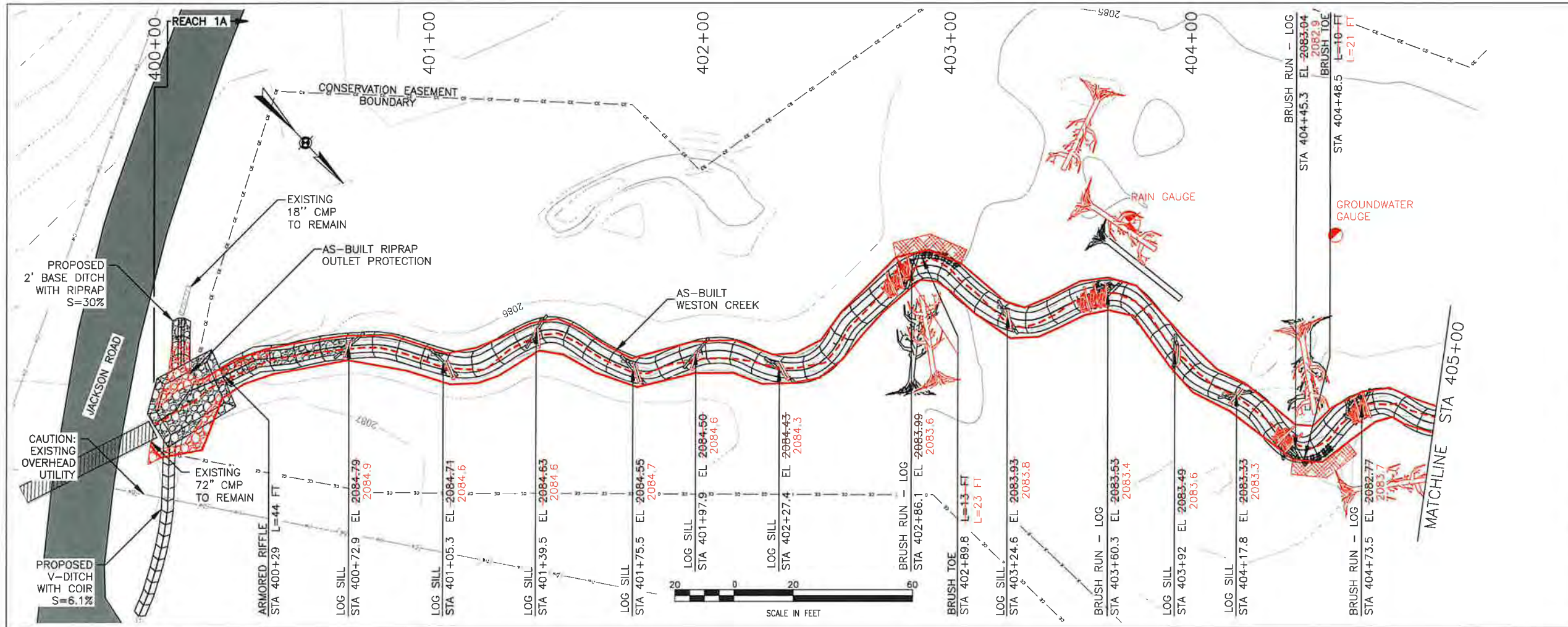
Client/Project: EW SOLUTIONS, LLC  
FLETCHER SITE MITIGATION PROJECT  
HENDERSON COUNTY, NORTH CAROLINA

Permit-Seal: [Professional Engineer Seal for Christopher M. Engel, License No. 33858]

Project Number: 172621093

Revision Sheet: 0 AB-27

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**FULL SIZE PLAN - HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'**  
**HALF SIZE PLAN - HORIZONTAL: 1" = 40' VERTICAL: 1" = 4'**  
**WESTON CREEK**

**Stantec**  
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 ASHEVILLE, NC 28801  
 WWW.STANTEC.COM

**Client/Project:** EW SOLUTIONS, LLC  
**Permit/Seal:** FLETCHER SITE MITIGATION PROJECT  
 HENDERSON COUNTY, NORTH CAROLINA

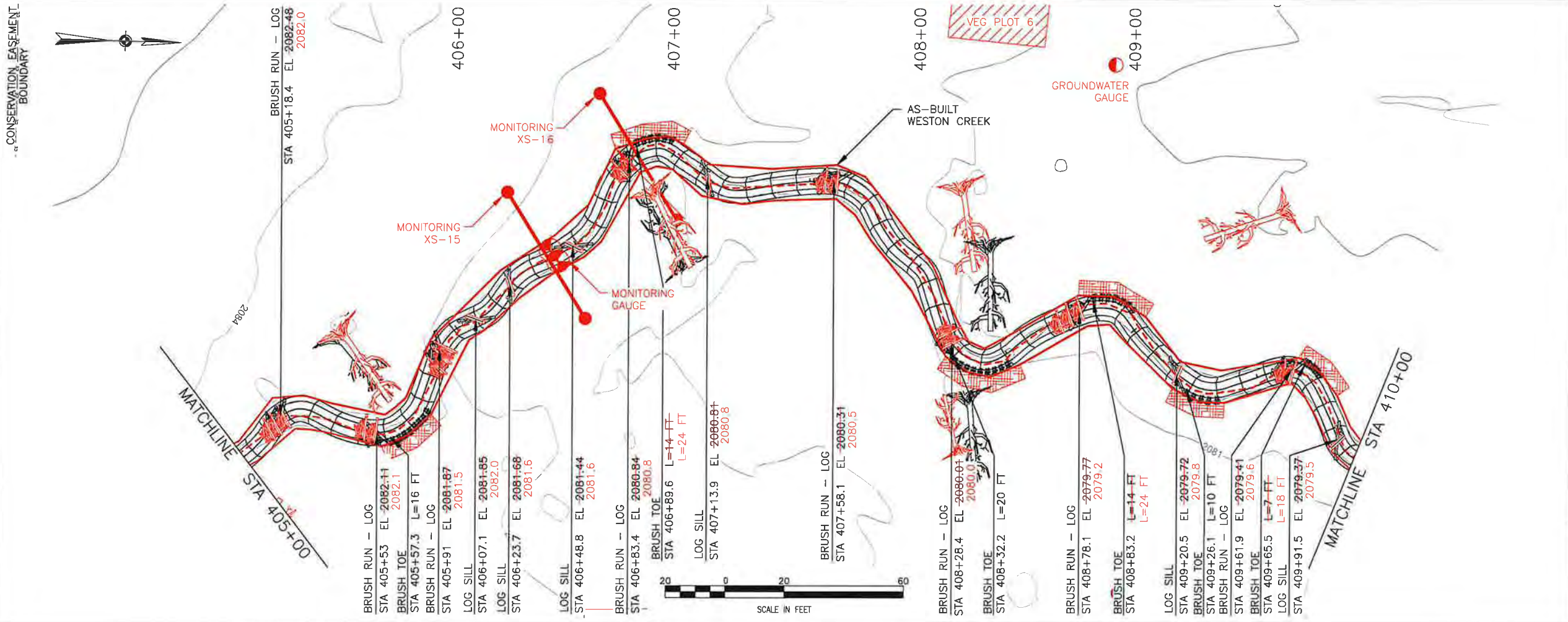
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**Revision:** 0  
**Sheet:** AB-28

**Issue:** 4/22/19

**Professional Seal:** CHRISTOPHER M. WILE

**Scale:** WESTON CREEK - PLAN & PROFILE - AS-BUILT  
 STA 400+00 - 405+00



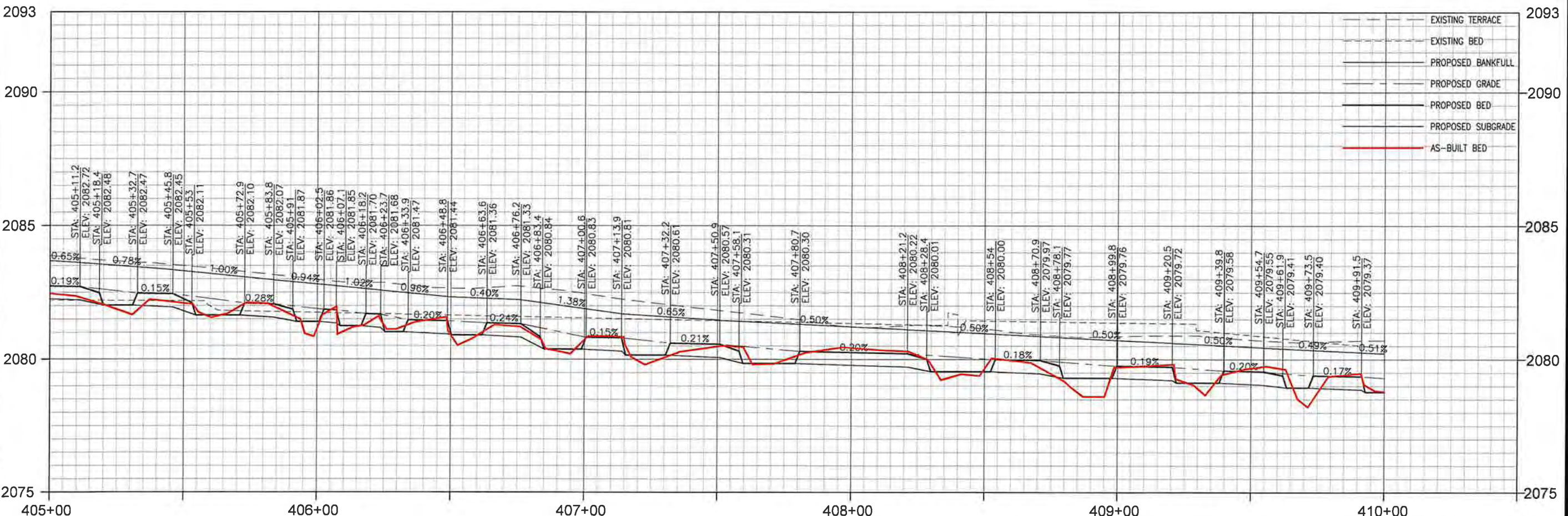
LOCATION KEY

LEGEND

- PROPOSED STREAM RESTORATION
- FILL
- CUT
- FENCE
- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
- PROPOSED RIPRAP

AS BUILT LEGEND

- TOP OF BANK
- THALWEG



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Client/Project  
 EW SOLUTIONS, LLC  
 FLETCHER SITE MITIGATION PROJECT  
 HENDERSON COUNTY, NORTH CAROLINA

Permit/Seal  
 NORTH CAROLINA PROFESSIONAL SEAL  
 ENGINEER  
 CHRISTOPHER M. SMILE  
 4/22/19

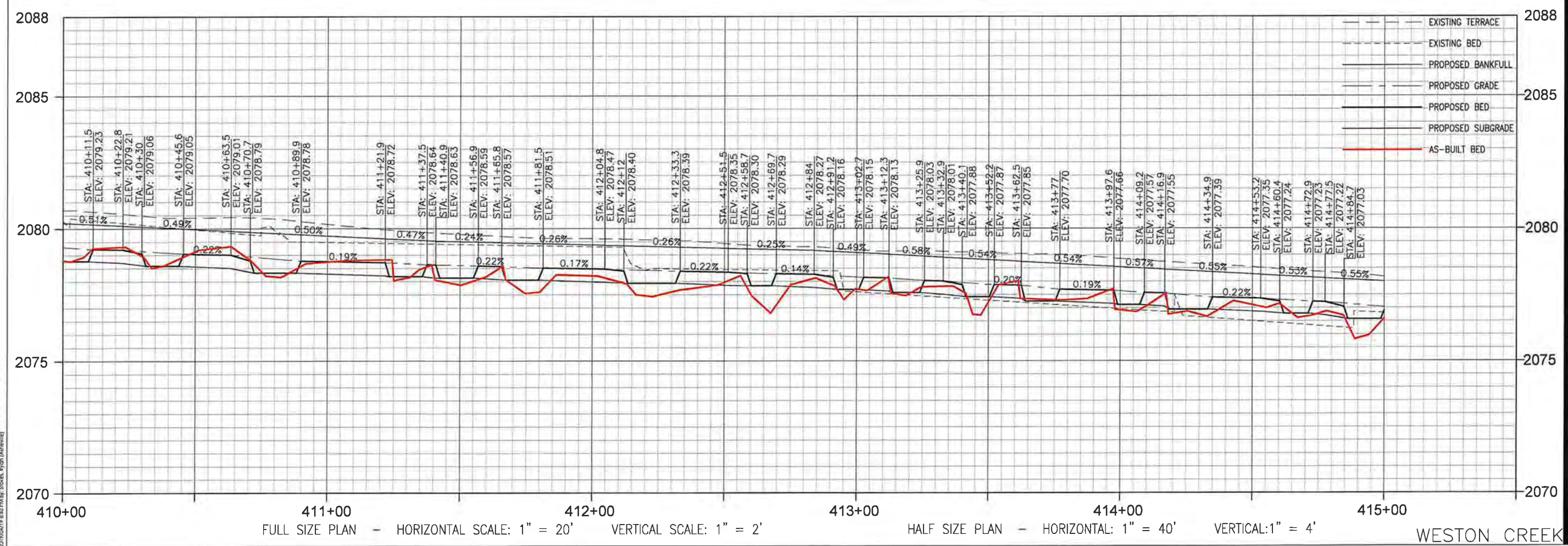
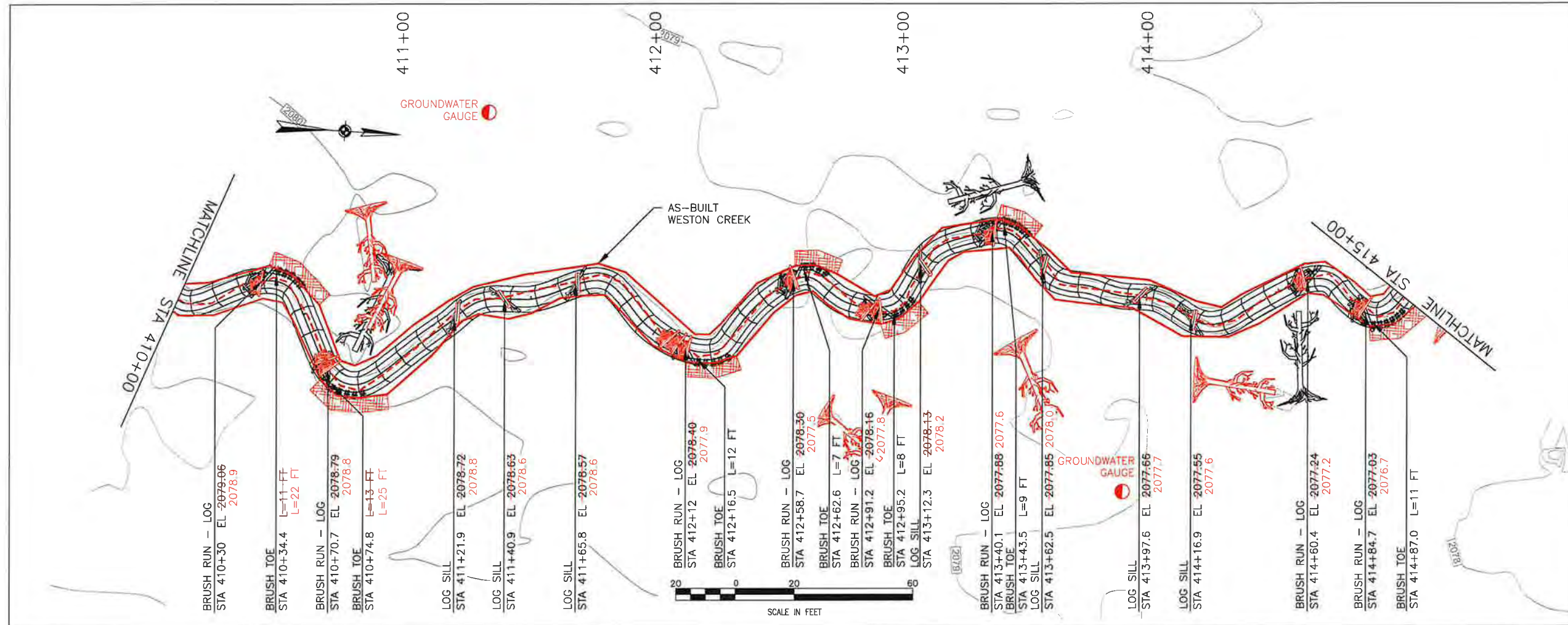
Project Number: 172621093

Revision Sheet  
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Issued By  
 YI.MM.DD

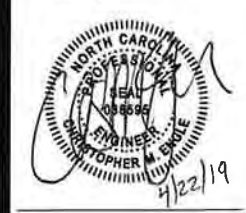
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Revision	By	App'd	Yr	MM	DD



Client/Project  
EW SOLUTIONS, LLC  
FLECHER SITE MITIGATION PROJECT  
HENDERSON COUNTY, NORTH CAROLINA

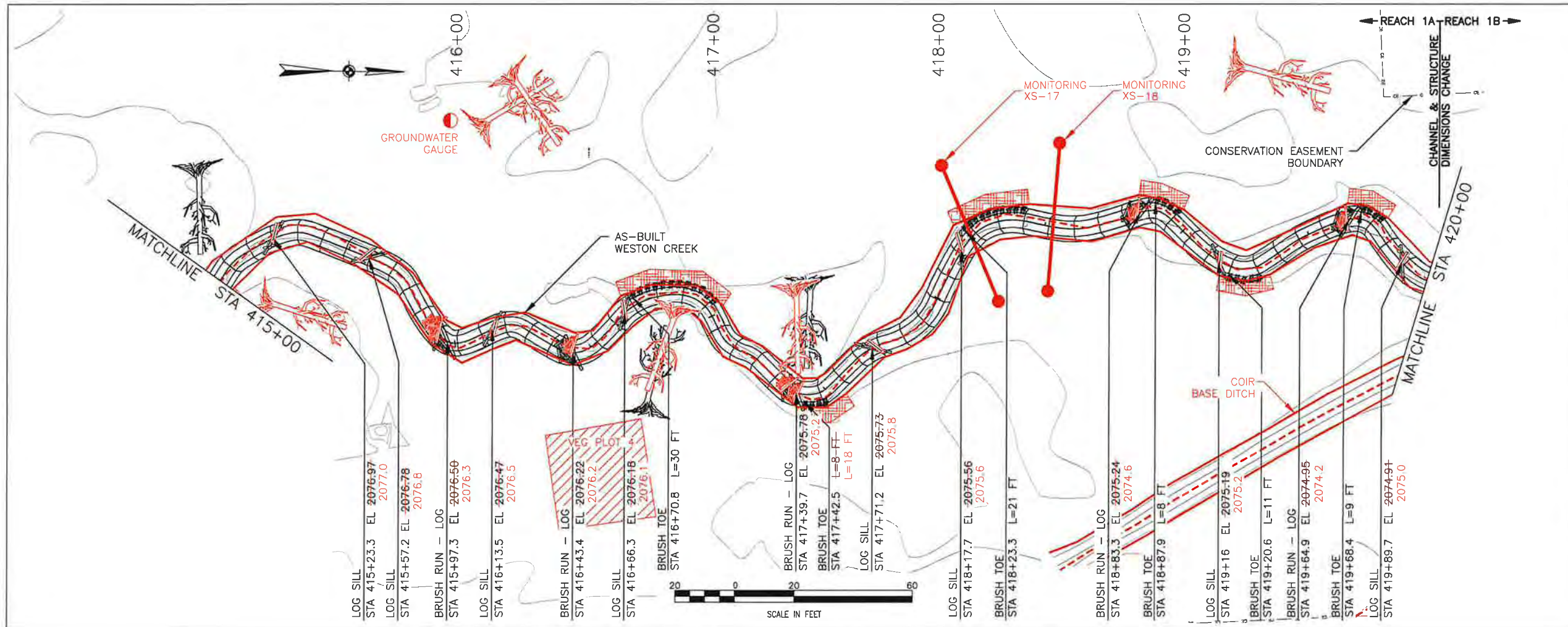
Permit-Seal



Project Number: 172621093

RTS	SGG	CME	19.04.17
Dwn.	Chkd.	Dsgn.	YY.MM.DD

Revision	Sheet
0	AB-30



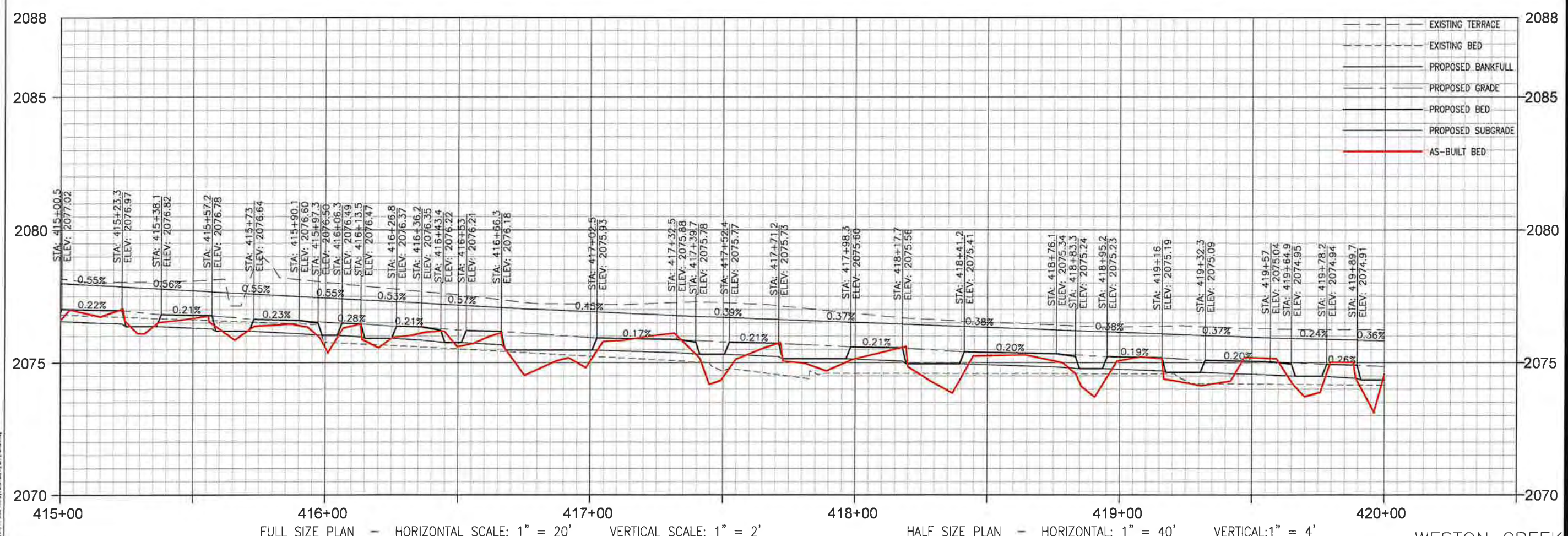
LOCATION KEY

LEGEND

- PROPOSED STREAM RESTORATION
- FILL
- CUT
- FENCE
- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
- PROPOSED RIPRAP

AS BUILT LEGEND

- TOP OF BANK
- THALWEG



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Client/Project: EW SOLUTIONS, LLC  
 Fletcher Site Mitigation Project  
 Henderson County, North Carolina

Permit-Seal: WESTON CREEK - PLAN & PROFILE - AS-BUILT  
 STA 415+00 - 420+00

Project Number: 172621093

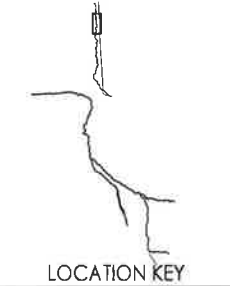
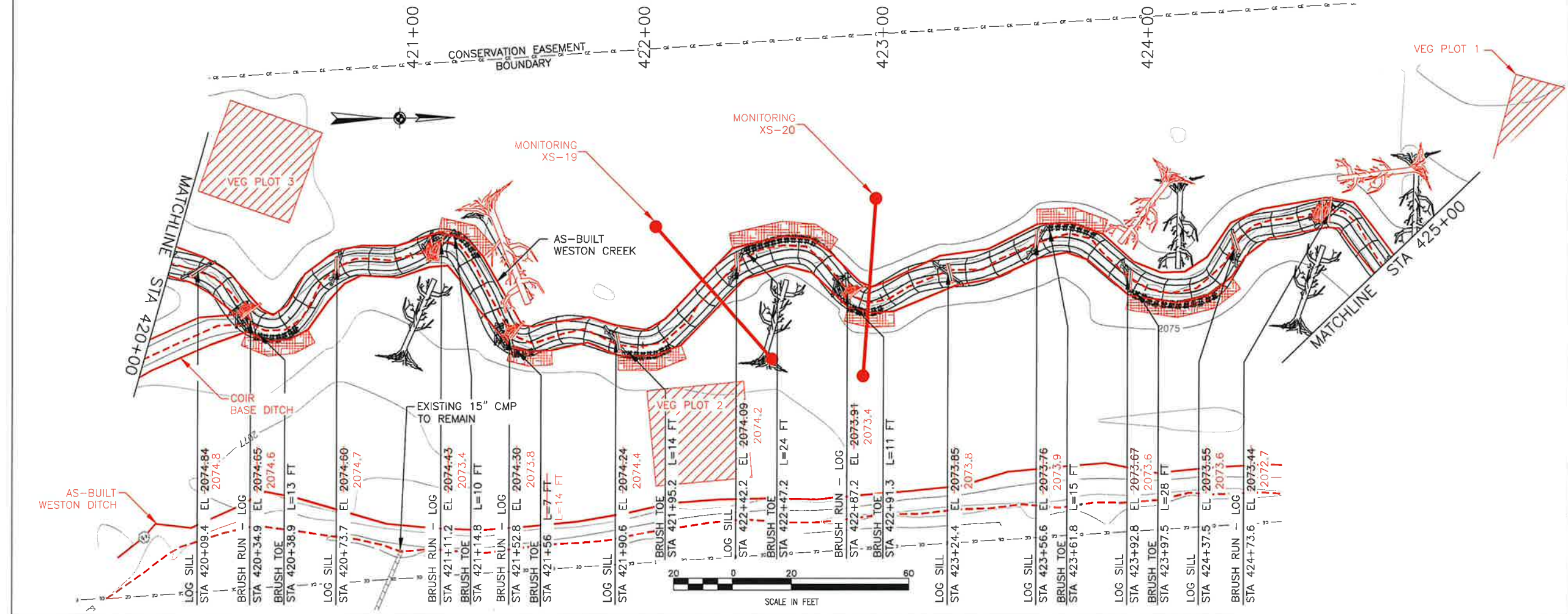
Revision Sheet: 0 AB-31

By: YI.M.M.D.D.  
 Appd: YI.M.M.D.D.  
 Issued: YI.M.M.D.D.

Scale: 1" = 20' (Plan), 1" = 4' (Profile)

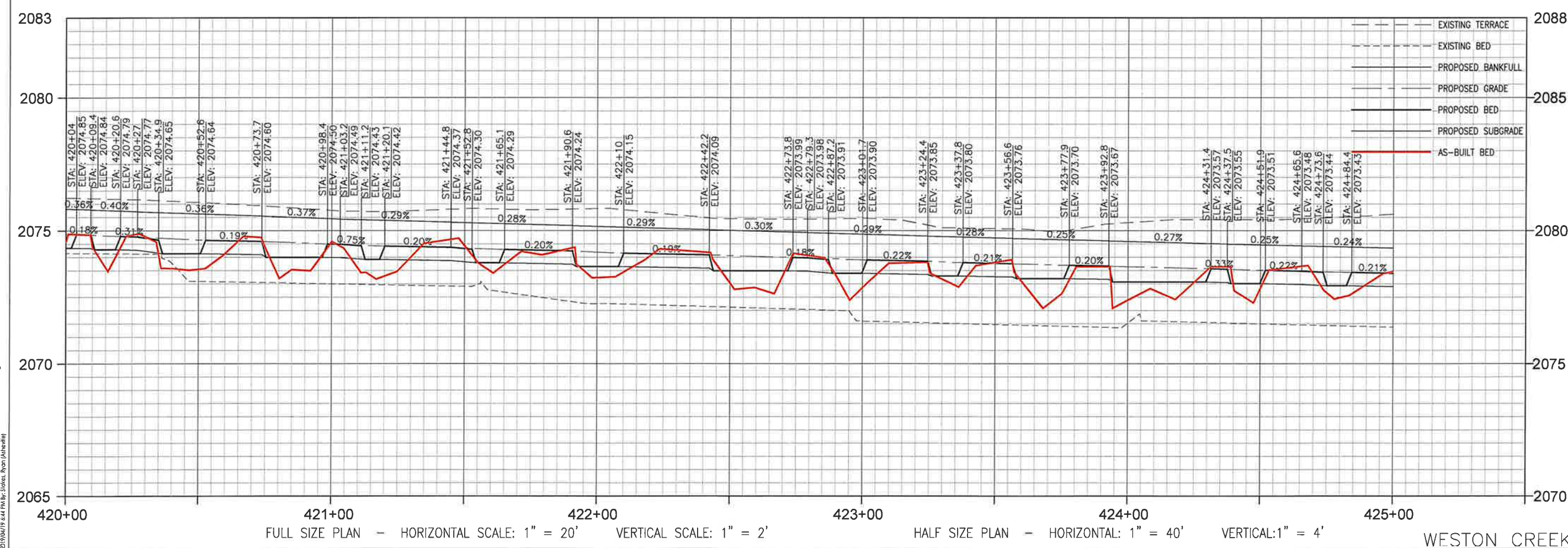
Revision	By	App'd.	Y/M/MD

By	App'd.	Y/M/MD	Issued



- LEGEND**
- PROPOSED STREAM RESTORATION
  - FILL
  - CUT
  - FENCE
  - EXISTING TREES
  - PRESERVE EXISTING TREE
  - PROPOSED DEBRIS PLACEMENT
  - PROPOSED RIPRAP

- AS-BUILT LEGEND**
- TOP OF BANK
  - THALWEG



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Client/Project  
 EW SOLUTIONS, LLC  
 FLETCHER SITE MITIGATION PROJECT  
 Henderson County, North Carolina  
 Title  
 WESTON CREEK - PLAN & PROFILE - AS-BUILT  
 STA 420+00 - 425+00

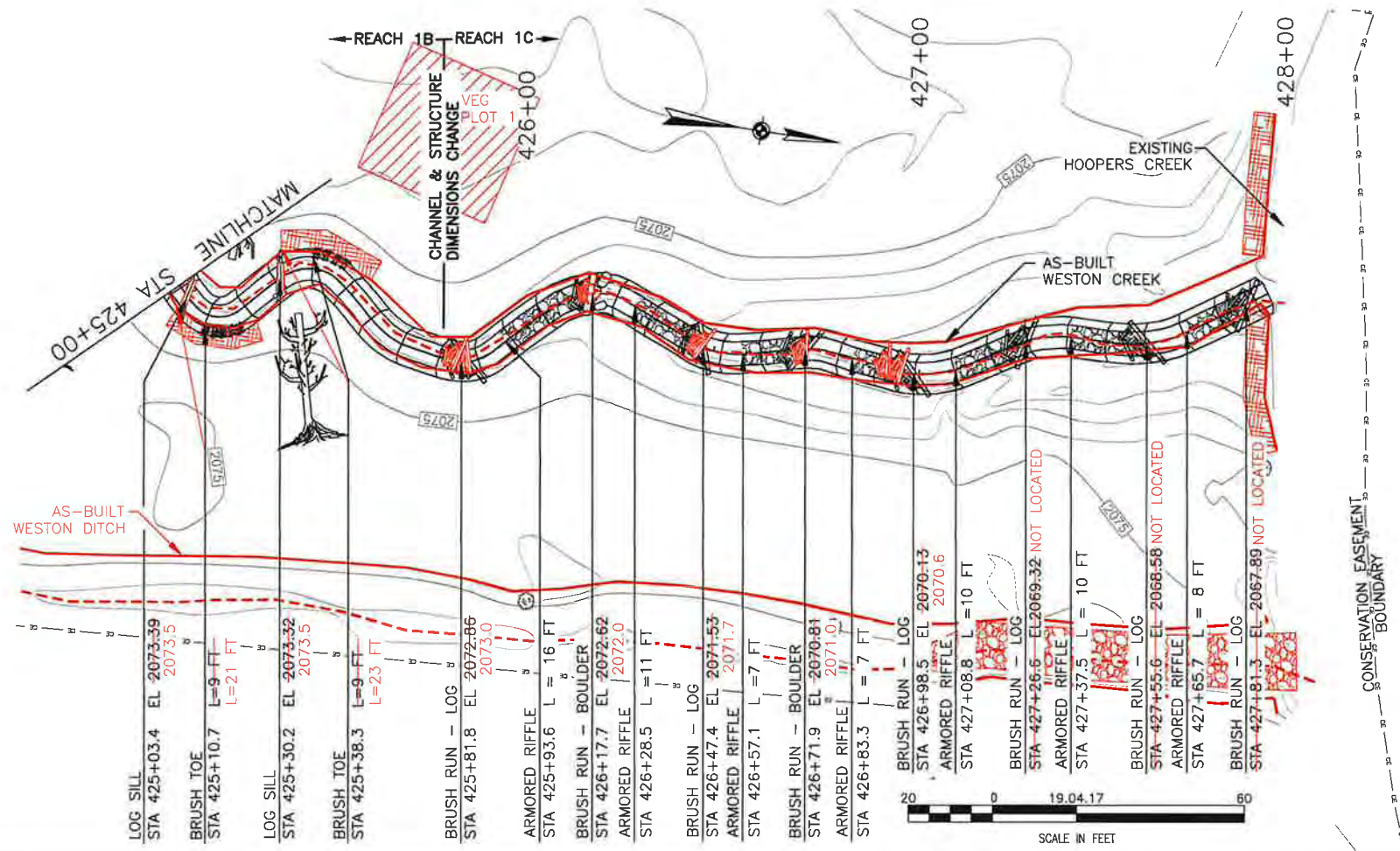
Permit-Seal  

 Project Number: 172621093

R/S	SGG	CME	19.04.17
Own.	Chkd.	Dsgn.	YY.MM.DD

Revision Sheet  
 2 AB-32





NOTE:  
THE LAST THREE STRUCTURES WERE NOT LOCATED DURING THE AS-BUILT SURVEY DUE TO SEDIMENT DEPOSITED FROM HOOPERS CREEK.

LOCATION KEY

LEGEND

- PROPOSED STREAM RESTORATION
- FILL
- CUT
- FENCE
- EXISTING TREES
- PRESERVE EXISTING TREE
- PROPOSED DEBRIS PLACEMENT
- PROPOSED RIPRAP

AS BUILT LEGEND

- TOP OF BANK
- THALWEG

Stantec

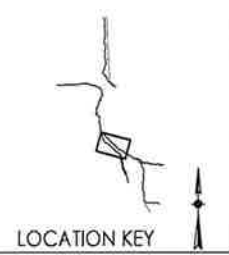
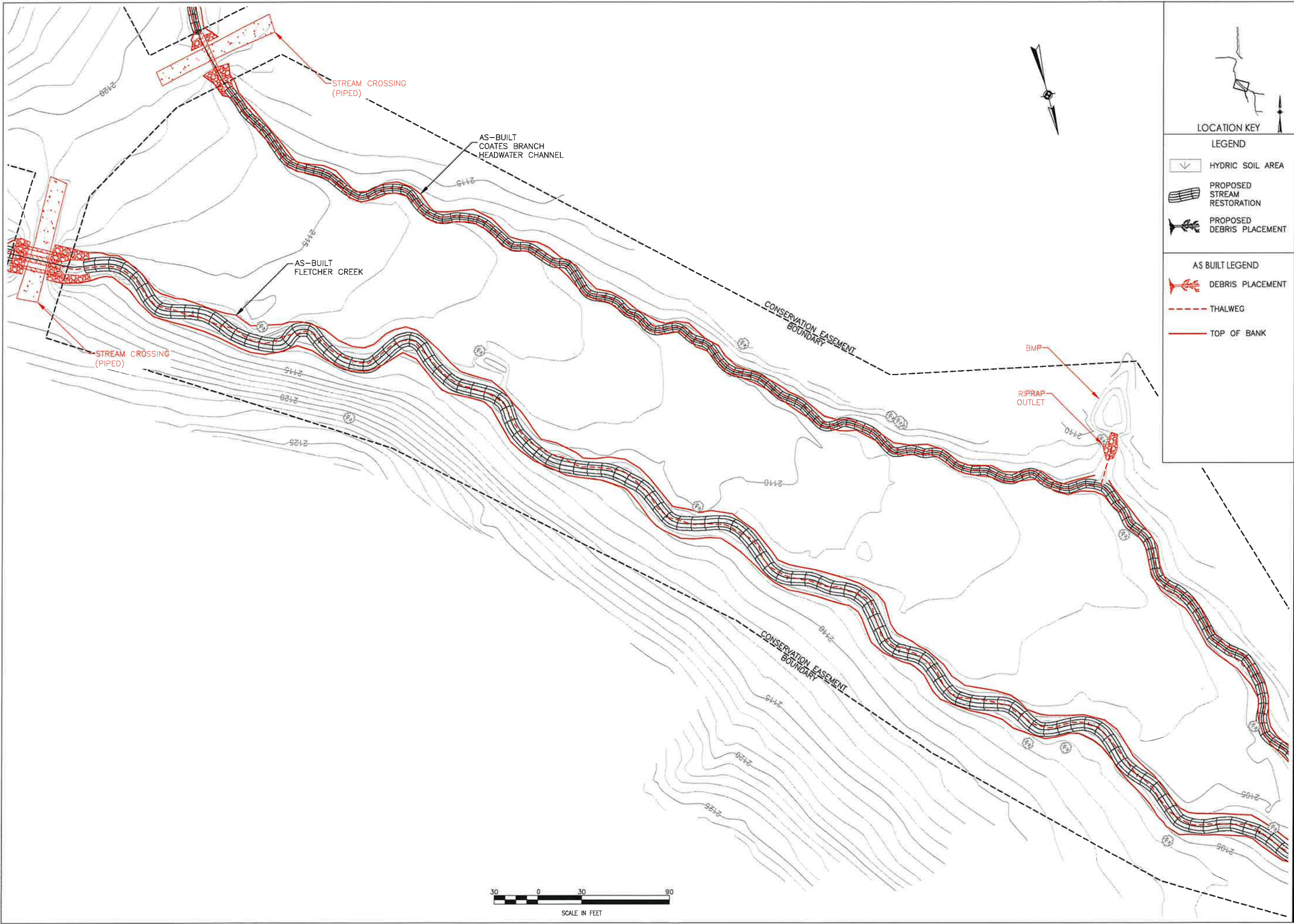
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Client/Project: EW SOLUTIONS, LLC  
Permit-Seal: FLETCHER SITE MITIGATION PROJECT  
HENDERSON COUNTY, NORTH CAROLINA  
Title: WESTON CREEK - PLAN & PROFILE - AS-BUILT  
STA 420+00 - 425+00

Revision	By	App'd	Issued
	YY.MM.DD		



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2019/04/19 2:34 PM By: jtolson, Ryan (Interim)

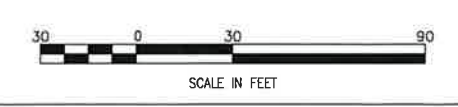


LEGEND

	HYDRIC SOIL AREA
	PROPOSED STREAM RESTORATION
	PROPOSED DEBRIS PLACEMENT

AS BUILT LEGEND

	DEBRIS PLACEMENT
	THALWEG
	TOP OF BANK



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the contractor shall verify and be responsible for all dimensions. DO NOT SCALE.  
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the contractor shall verify and be responsible for all dimensions. DO NOT SCALE.  
the contractor shall verify and be responsible for all dimensions. DO NOT SCALE.

Revision	By	App'd.	Y/M/DD	Issued

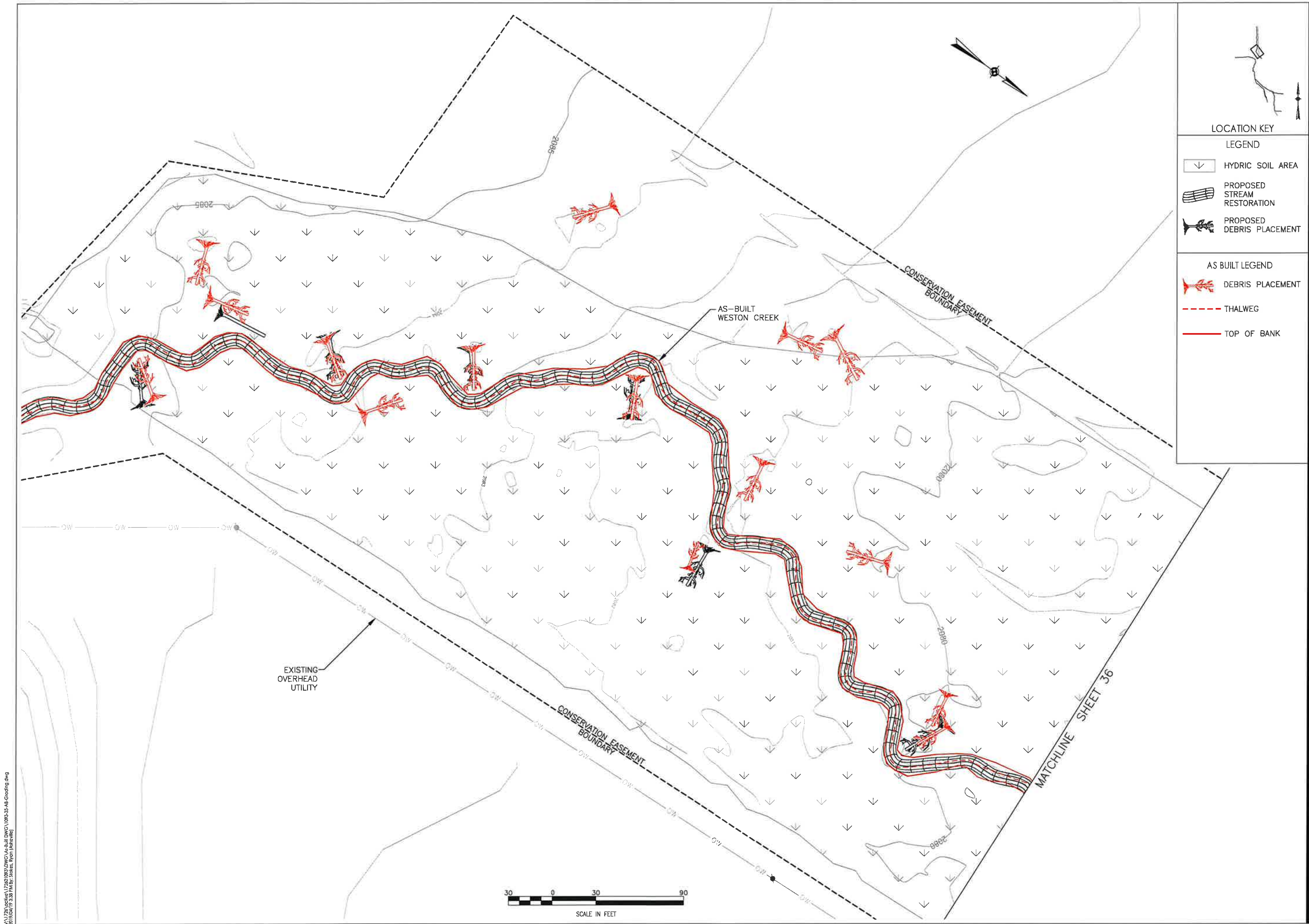
Client/Project: EW SOLUTIONS, LLC  
FLETCHER SITE MITIGATION PROJECT  
HENDERSON COUNTY, NORTH CAROLINA

Permit/Seal

Professional Engineer  
CHRISTOPHER W. ENGBR  
4/22/19

Project Number: 172621093

Revision	Sheet
0	AB - 34



LOCATION KEY

LEGEND

- HYDRIC SOIL AREA
- PROPOSED STREAM RESTORATION
- PROPOSED DEBRIS PLACEMENT

AS BUILT LEGEND

- DEBRIS PLACEMENT
- THALWEG
- TOP OF BANK

Revision	By	Appd.	Y/M/MLDD

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 2019/04/19 3:38 PM By: bstauffer



Client/Project  
 EW SOLUTIONS, LLC  
 FLETCHER SITE MITIGATION PROJECT  
 HENDERSON COUNTY, NORTH CAROLINA

Title  
 GRADING PLAN - AS-BUILT  
 WESTON CREEK

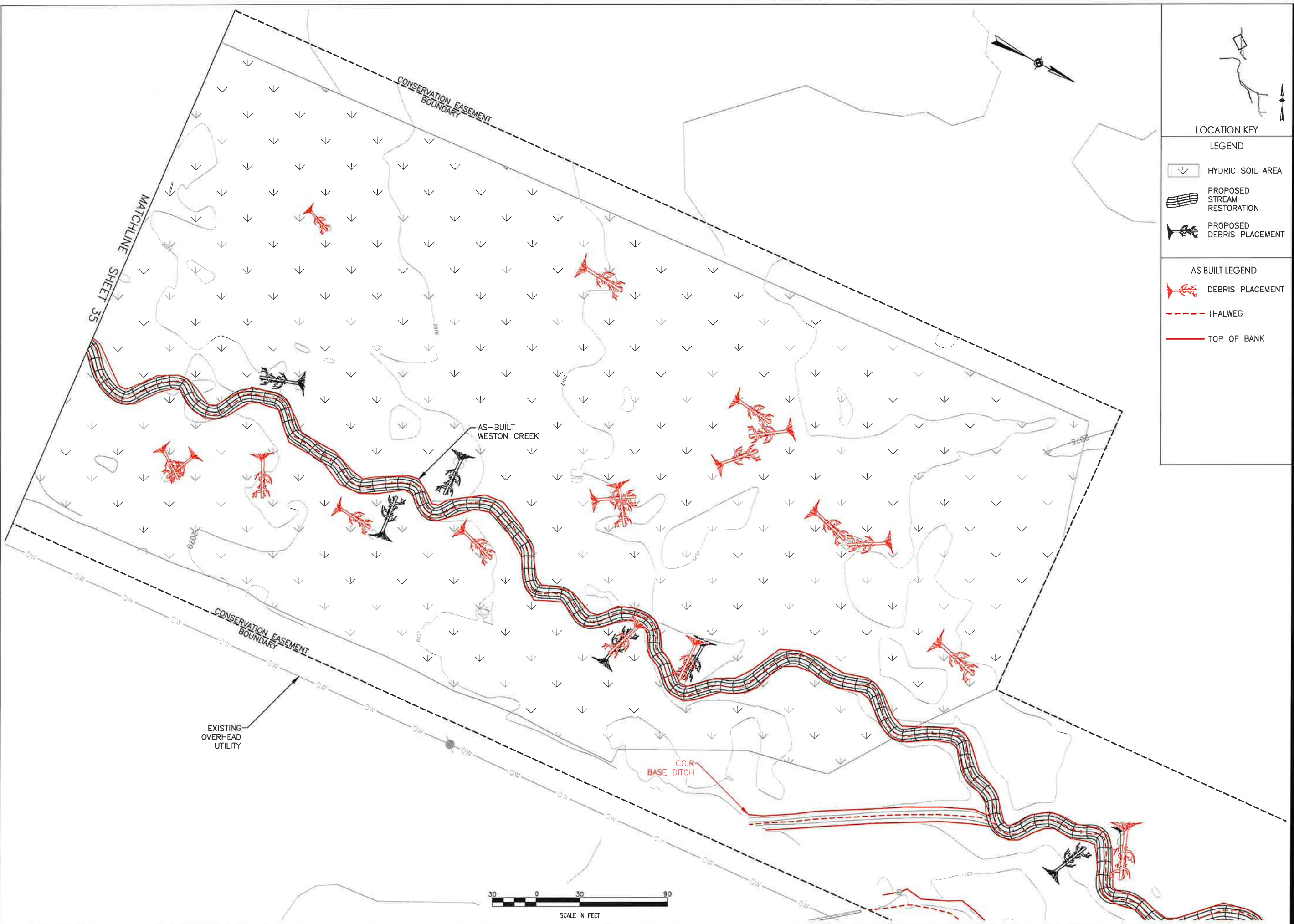


Project Number: 172621093

Revision Sheet  
 0 AB-35

RTS SGG CME 19.04.17  
 Dwn. Chkd. Dsgn. YY.MM.DD

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 20/10/2017 3:57 PM by Ryan (rlr)



**LOCATION KEY**

**LEGEND**

- HYDRIC SOIL AREA
- PROPOSED STREAM RESTORATION
- PROPOSED DEBRIS PLACEMENT

**AS BUILT LEGEND**

- DEBRIS PLACEMENT
- THALWEG
- TOP OF BANK

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Client/Project: EW SOLUTIONS, LLC  
 FLETCHER SITE MITIGATION PROJECT  
 HENDERSON COUNTY, NORTH CAROLINA  
 Title: GRADING PLAN - AS-BUILT WESTON CREEK

Permit-Seal: \_\_\_\_\_

NORTH CAROLINA  
REGISTERED PROFESSIONAL ENGINEER  
SEAL  
DANIEL J. DUNN  
11221/19

Project Number: 172621093

RTS	SGG	CME	19.04.17
Dwn	Chkd.	Dsgn.	YY.MM.DD

Revision: 0 Sheet: AB - 36