

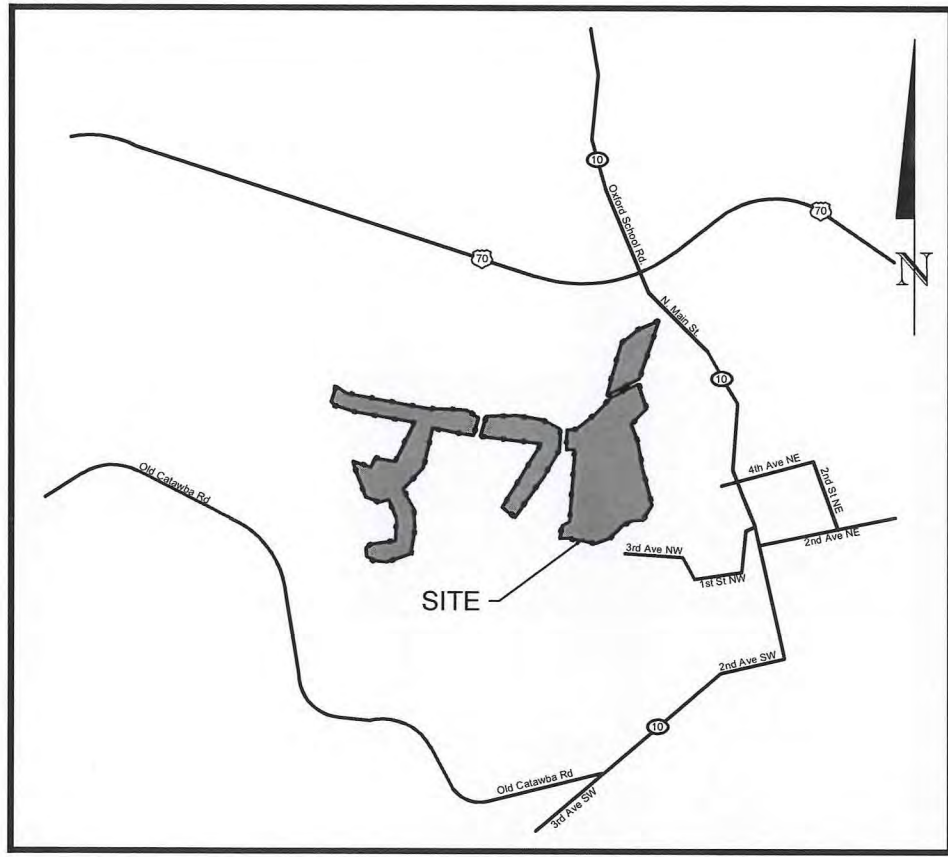
WILDLANDS
ENGINEERING
1430 South Mint Street, Suite 104
Charlotte, NC 28203
Tel: 704-332-7754
Fax: 704-332-3906
Firm License No. F-0831

Lyle Creek Mitigation Site

Catawba County, NC

Catawba River Basin Cataloging Unit 03050101

for North Carolina Ecosystem Enhancement Program



Vicinity Map
Not to Scale



**FINAL
AS-BUILT PLANS
& RECORD DRAWINGS
ISSUED JULY 17, 2012**

REACH ORIGINS		
Reach	Latitude	Longitude
UT1 Reach 1	N35°42'33.8"	W81°05'08.7"
UT1 Reach 2	N35°42'38.2"	W81°05'06.1"
UT1A	N35°42'36.8"	W81°04'45.0"
UT1B	N35°42'34.4"	W81°04'51.7"
UT1C	N35°42'37.2"	W81°04'56.2"
UT1D	N35°42'45.6"	W81°05'12.0"

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Stream Plan and Profile	3.1-3.20
Profiles	3.19-3.21
Cross Sections	3.22-3.23

Project Directory

Engineering Wildlands Engineering, Inc. License No. F-0831 1430 South Mint Street, Ste 104 Charlotte, NC 28203 Emily G. Reinicker, PE 704-332-7754	Owner Ecosystem Enhancement Program NC Department of Environment and Natural Resources 1652 Mail Service Center Raleigh, NC 27699-1652 Guy Pearce 919-715-1157
Surveying Dewberry and Davis, Inc. 6135 Lakeview Road Charlotte, NC 28269 John B. Primm, PLS 704-509-9918 License: F-0679 Survey information provided: Post-Construction As-Built Survey	DENR Contract No.003241 NCEEP Project No. 94643
Date of Completed Survey: 4-17-2012	Contractor River Works 6105 Chapel Hill Road Raleigh, NC 27607 Bill Wright 336-279-1002

Lyle Creek Mitigation Site
Catawba, North Carolina

Catawba River Basin Cataloging Unit 03050101

Cover Sheet

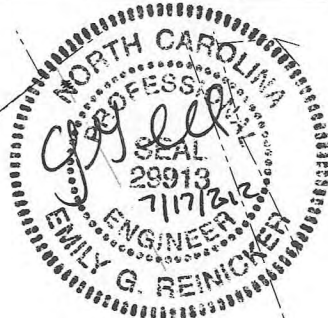
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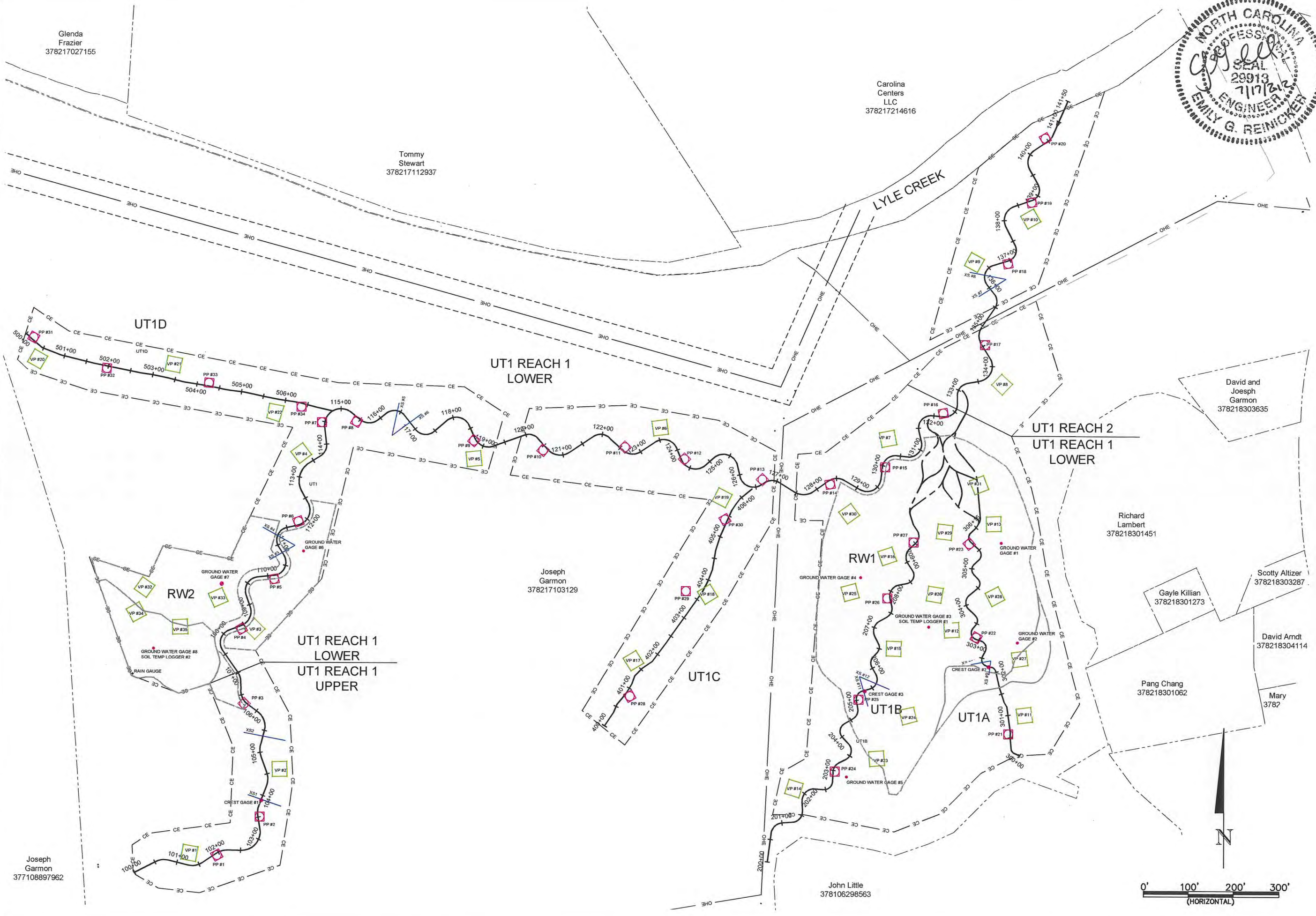
Glenda Frazier
378217027155

Carolina Centers LLC
378217214616

Tommy Stewart
378217112937



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Joseph Garmon
377108897962

Joseph Garmon
378217103129

John Little
378106298563

Richard Lambert
378218301451

David and Joseph Garmon
378218303635

Gayle Killian
378218301273

Scotty Altizer
378218303287

David Arndt
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Pang Chang
378218301062

Mary
3782



0' 100' 200' 300'
(HORIZONTAL)

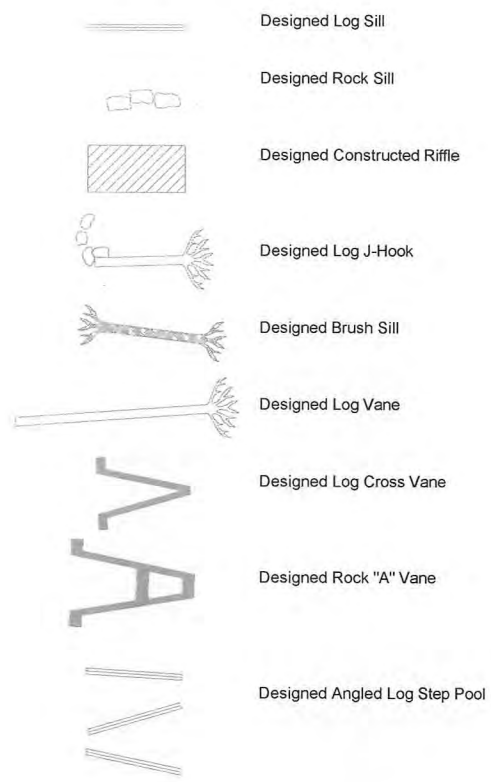
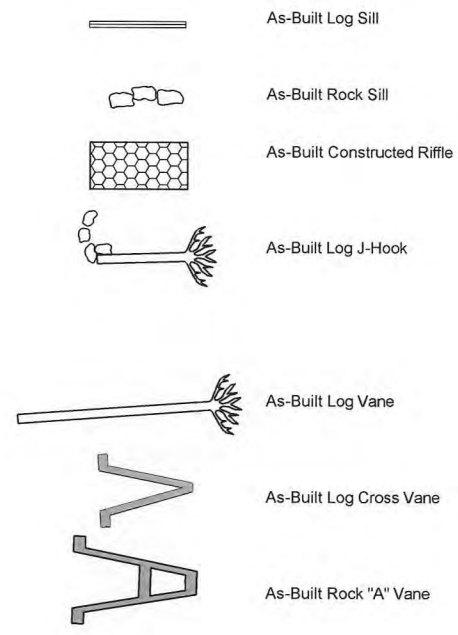
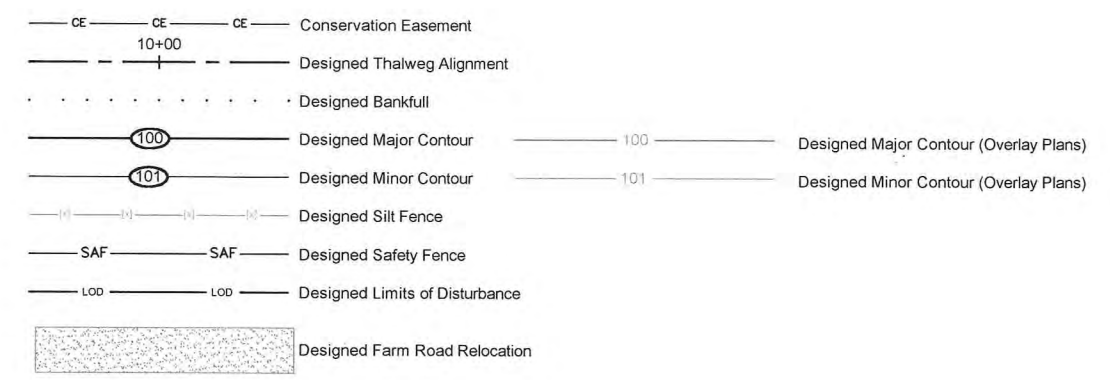
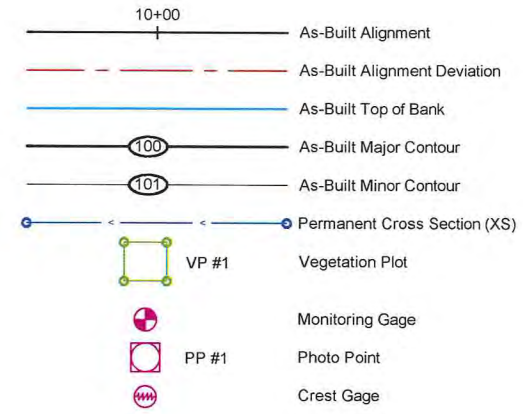
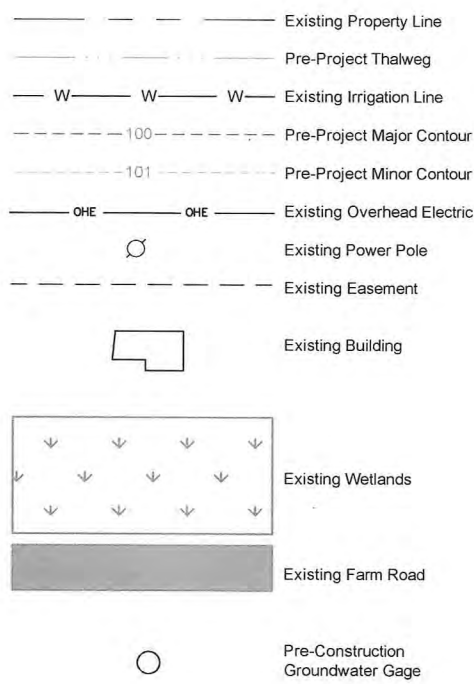
Lyle Creek Mitigation Site Catawba, North Carolina

Project Overview

Date:	June 15, 2012
Job Number:	095-02123
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	EGR

0.2

Final As-Built Plans



CHAPTER 1 - CONSTRUCTION PLAN



AS-BUILT PLANS
 SURVEYOR'S CERTIFICATION
 I, JOHN B. PRIMM, CERTIFY THAT THE INFORMATION SHOWN ON THESE PLANS WAS DERIVED FROM AN ACTUAL FIELD SURVEY MADE UNDER MY SUPERVISION, THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10,000+. THE PURPOSE OF THIS SURVEY IS FOR TOPOGRAPHIC INFORMATION ONLY. NO BOUNDARY DETERMINATIONS WERE MADE AT THIS TIME.

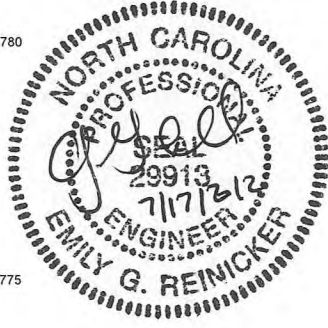
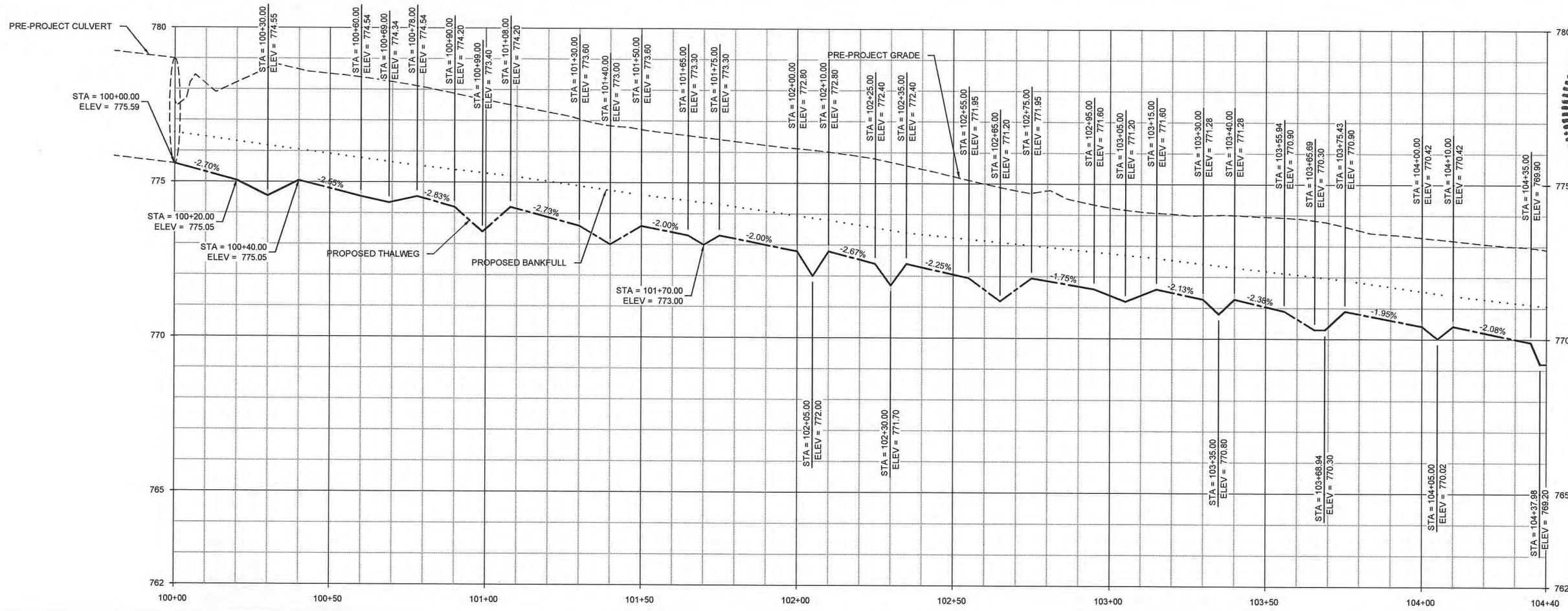
WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 1ST DAY OF JUNE, 2012.

J B Primm 7/17/2012
 PROFESSIONAL LAND SURVEYOR L-4756 DATE

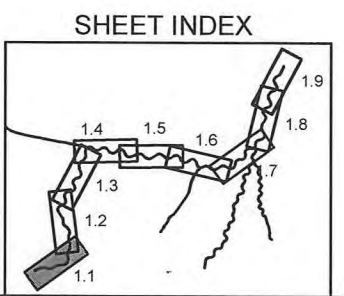
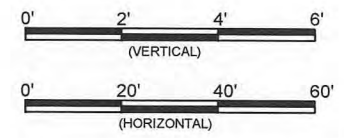
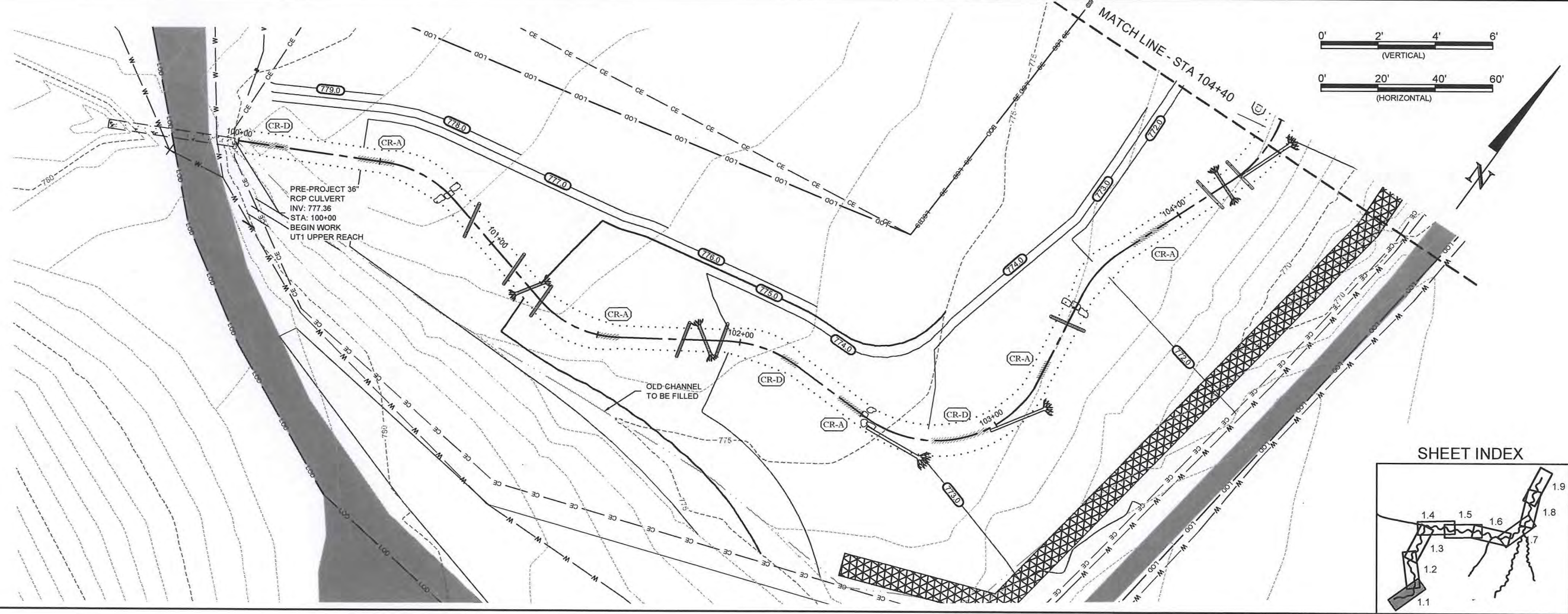
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Date: June 15, 2012
 Job Number: 085-02123
 Project Engineer: CDM
 Drawn By: JCK
 Checked By: EGR

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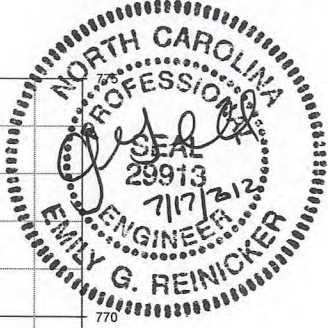
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Charlotte, NC 28203
Tel: 704.332.7754
Fax: 704.332.3306
Firm License No. F-0831



Lyle Creek Mitigation Site
Catawba, North Carolina
Stream Plan and Profile
Construction Plans UT1 Reach 1 Upper

Date:	June 15, 2012
Job Number:	085-0323
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	EGR

1.1



Lyle Creek Mitigation Site
Catawba, North Carolina

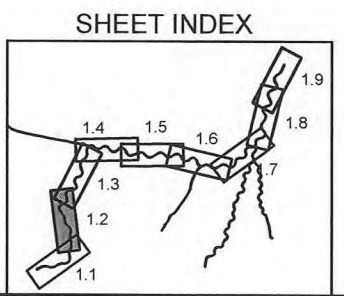
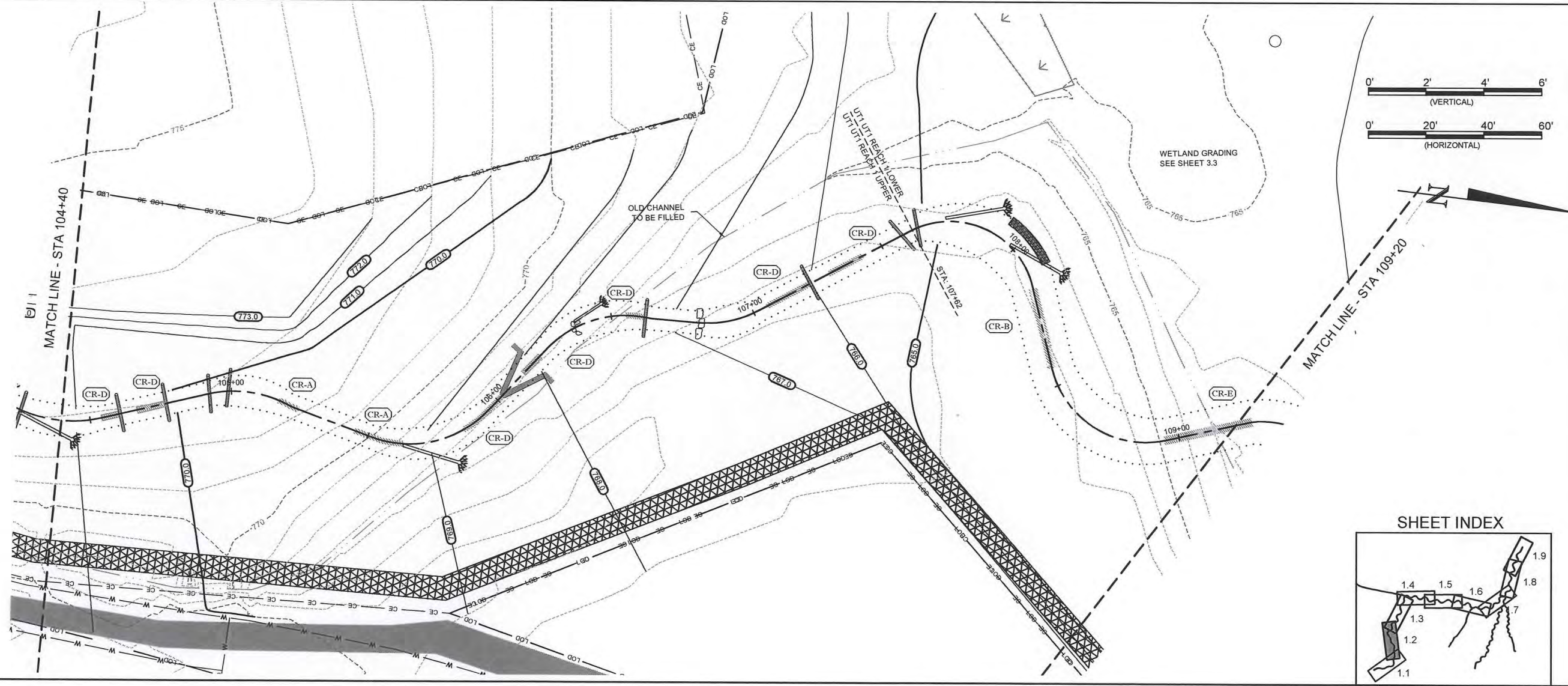
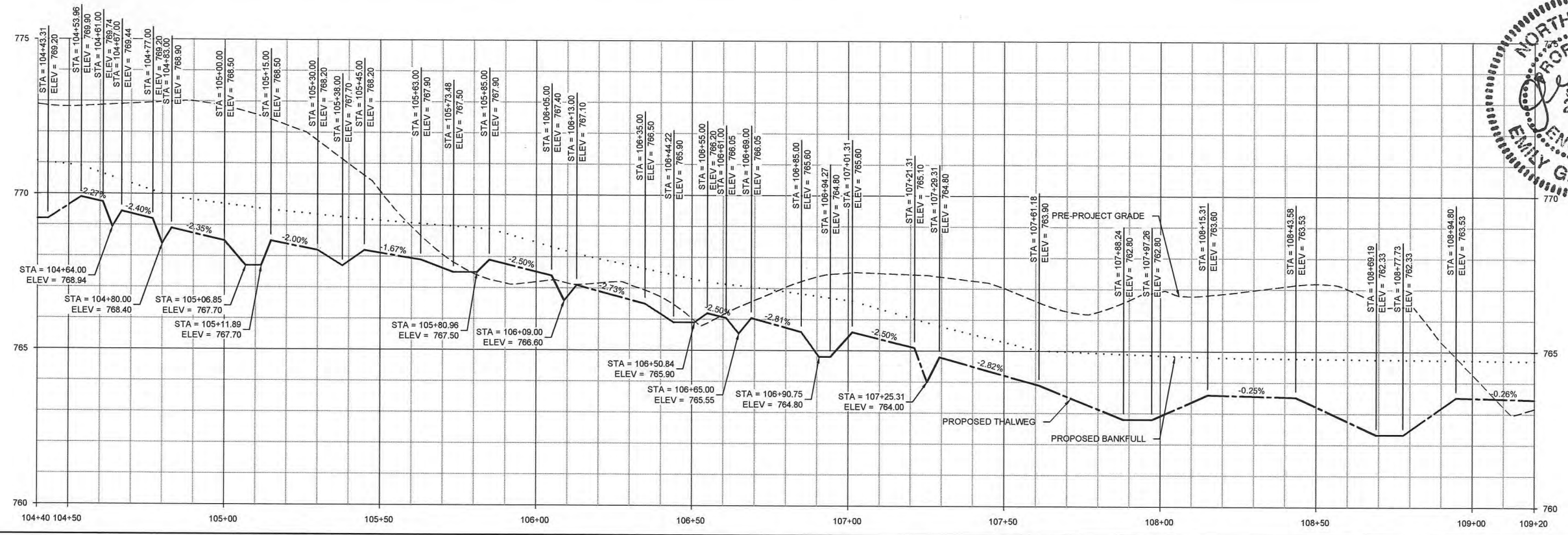
Stream Plan and Profile
 Construction Plans UT1 Reach 1 Upper and Lower

Revisions

Date:	June 15, 2012
Job Number:	095-02123
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	EGR

1.2

Final As-Built Plans

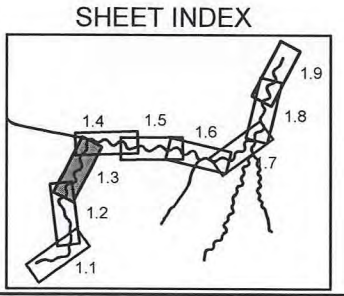
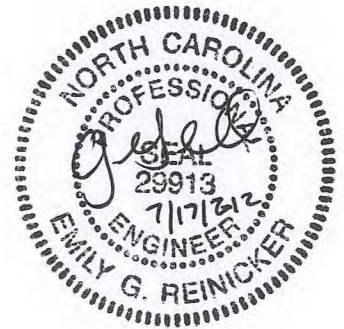
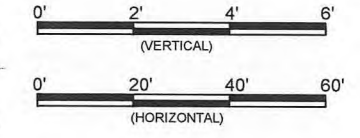
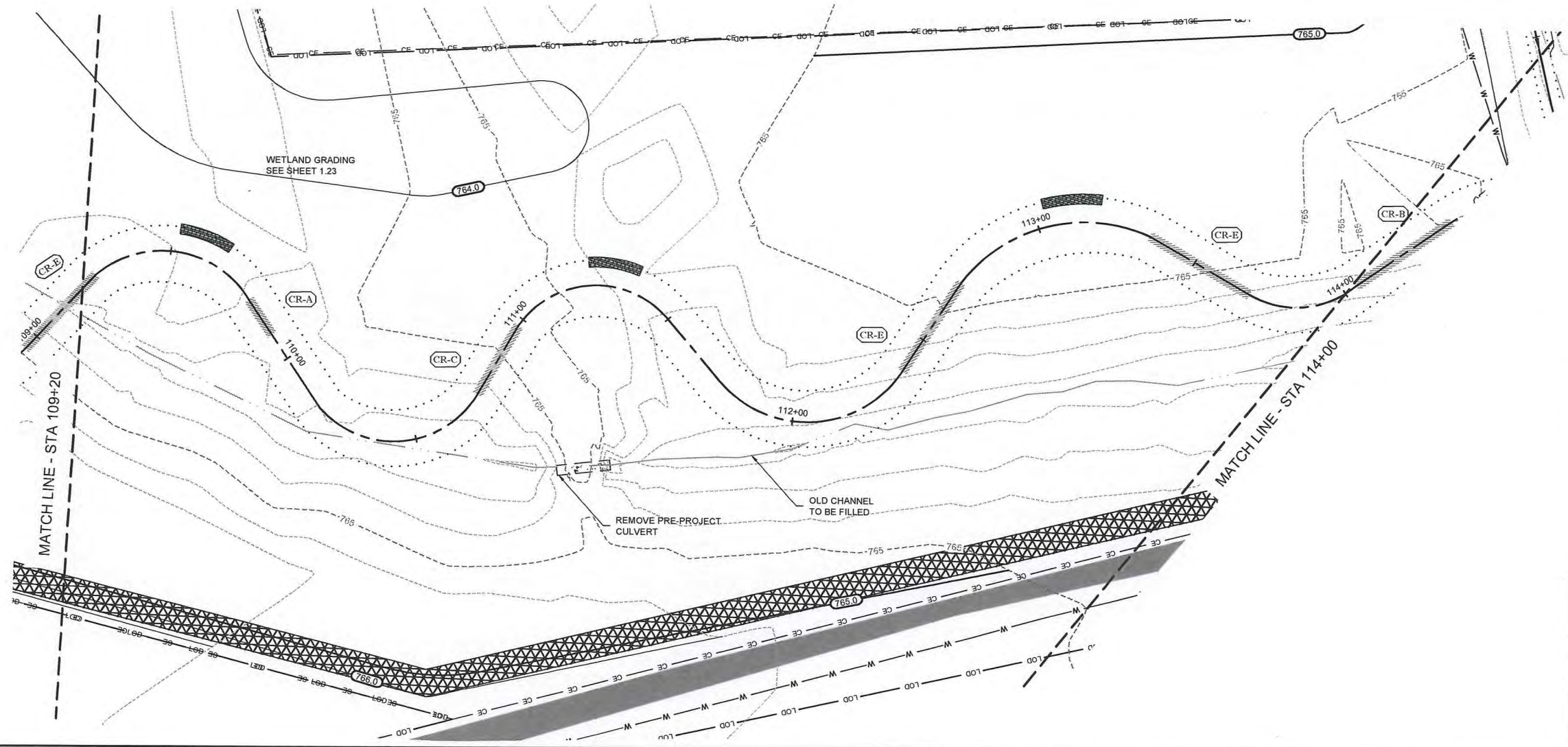
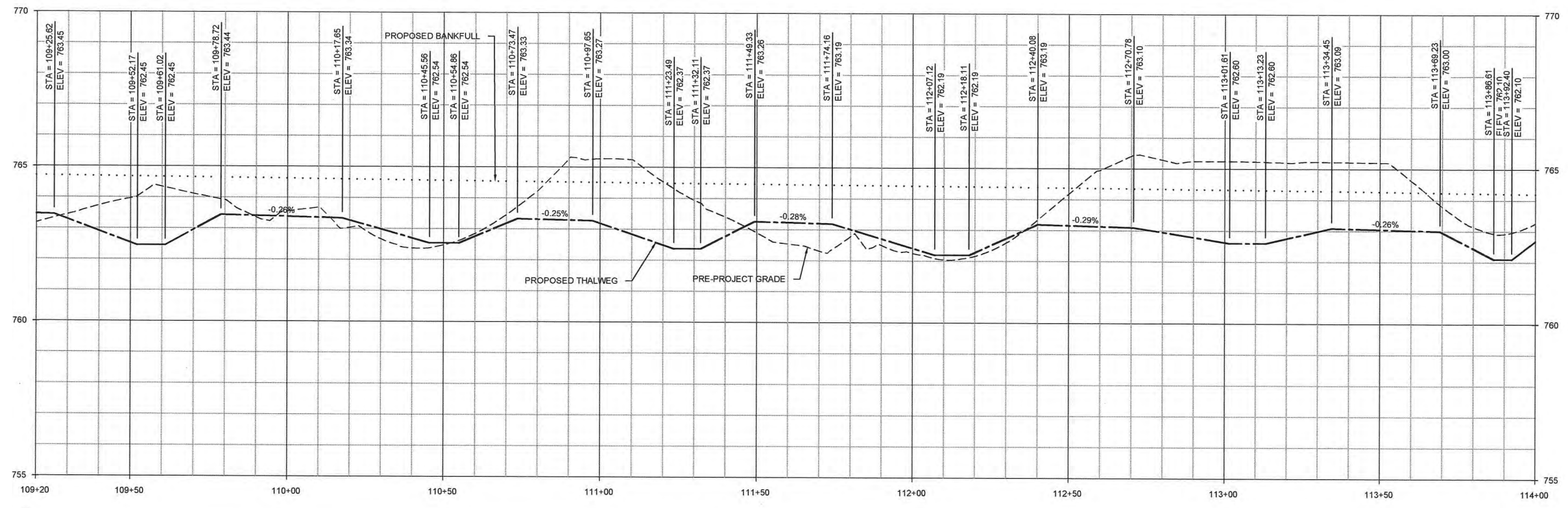


Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 Construction Plans UT1 Reach 1 Lower

Date:	June 15, 2012
Job Number:	095-02123
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	EGR

1.3

Final As-Built Plans



Lyle Creek Mitigation Site
Catawba, North Carolina

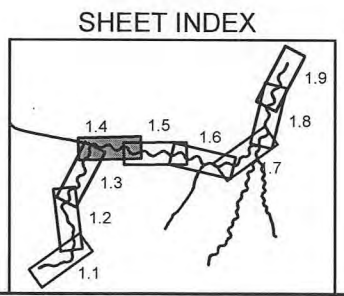
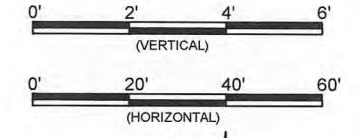
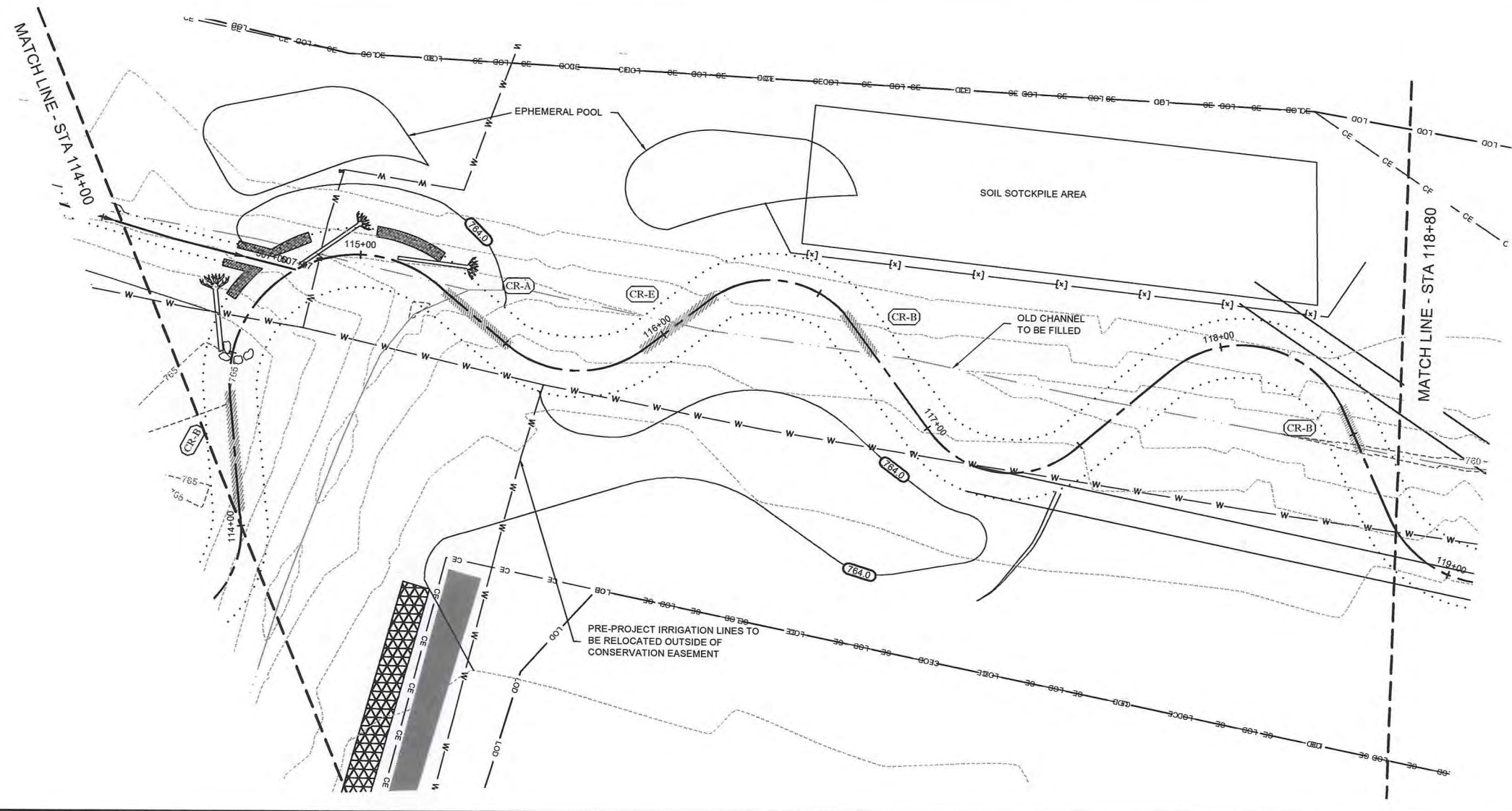
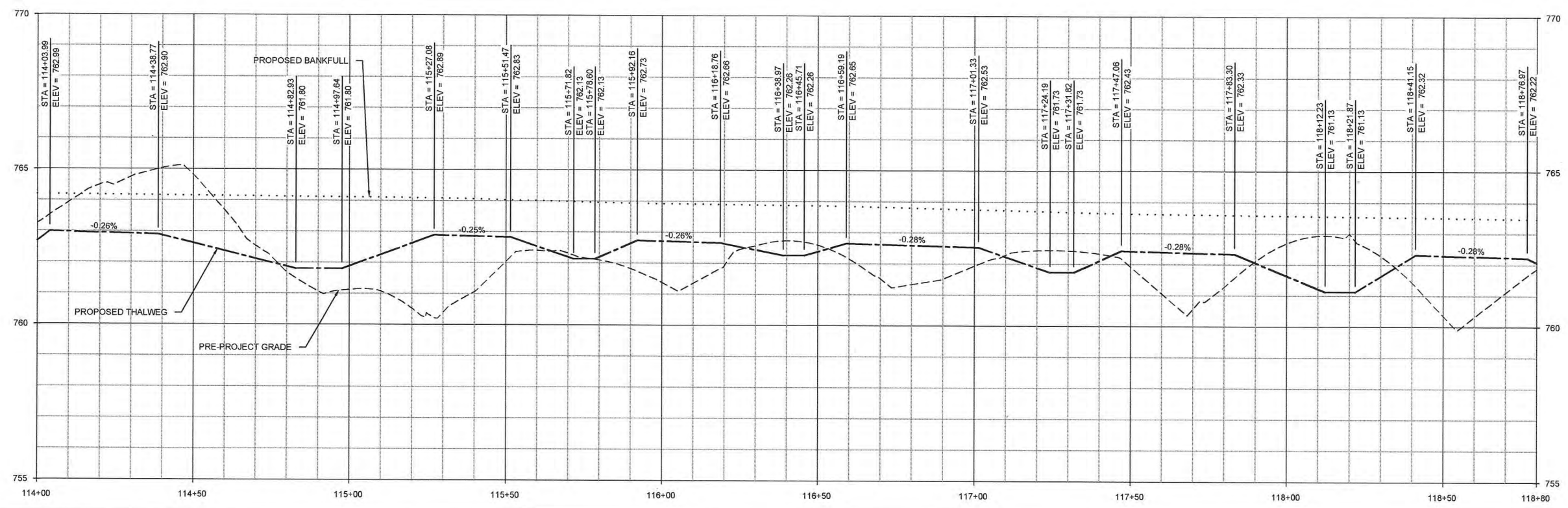
Stream Plan and Profile
 Construction Plans UT1 Reach 1 Lower

Revisions:

Date: June 15, 2012
 Job Number: 005-02123
 Project Engineer: CDM
 Drawn By: JCK
 Checked By: EGR

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Final As-Built Plans

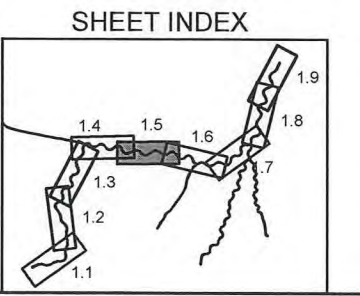
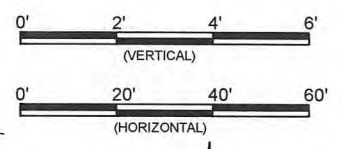
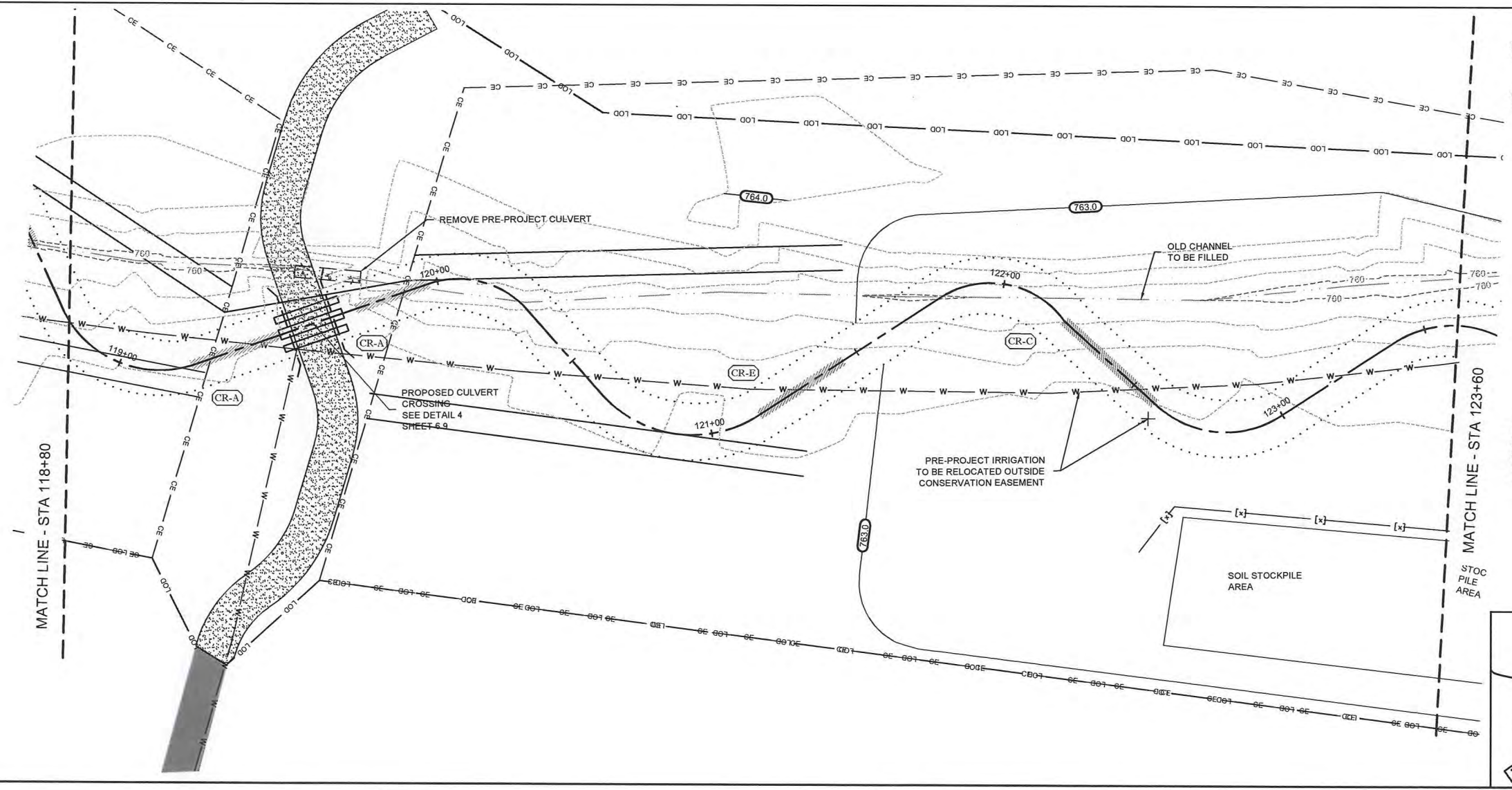
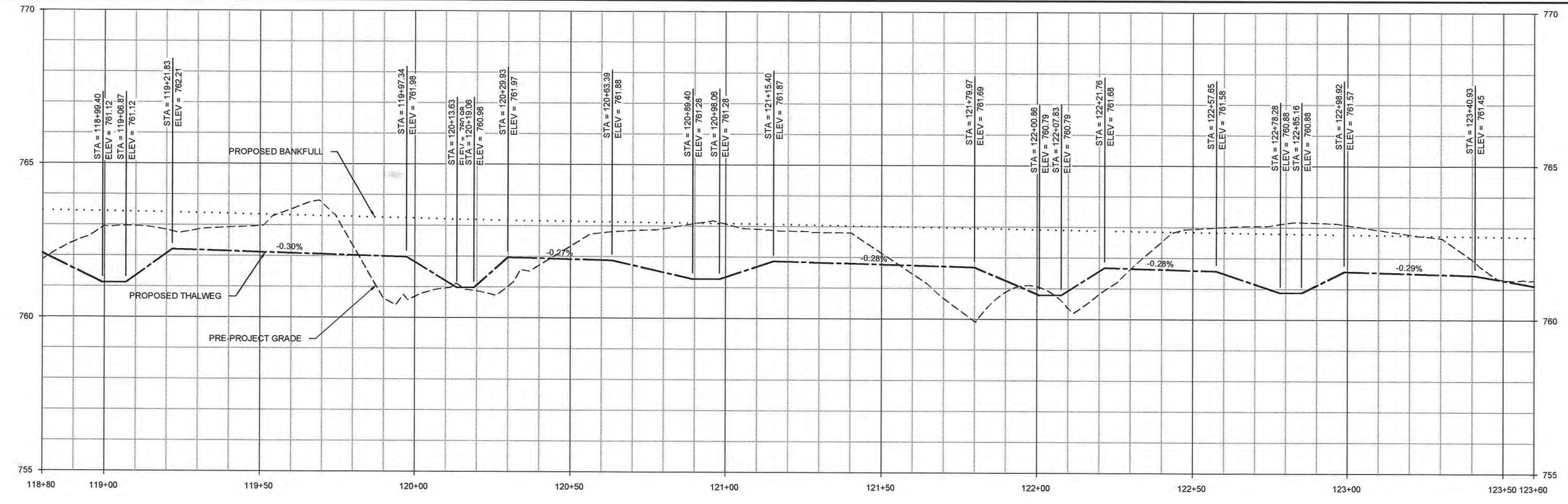


Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 Construction Plans UT1 Reach 1 Lower

Date:	June 15, 2012
Job Number:	095-02123
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	EGR

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Final As-Built Plans

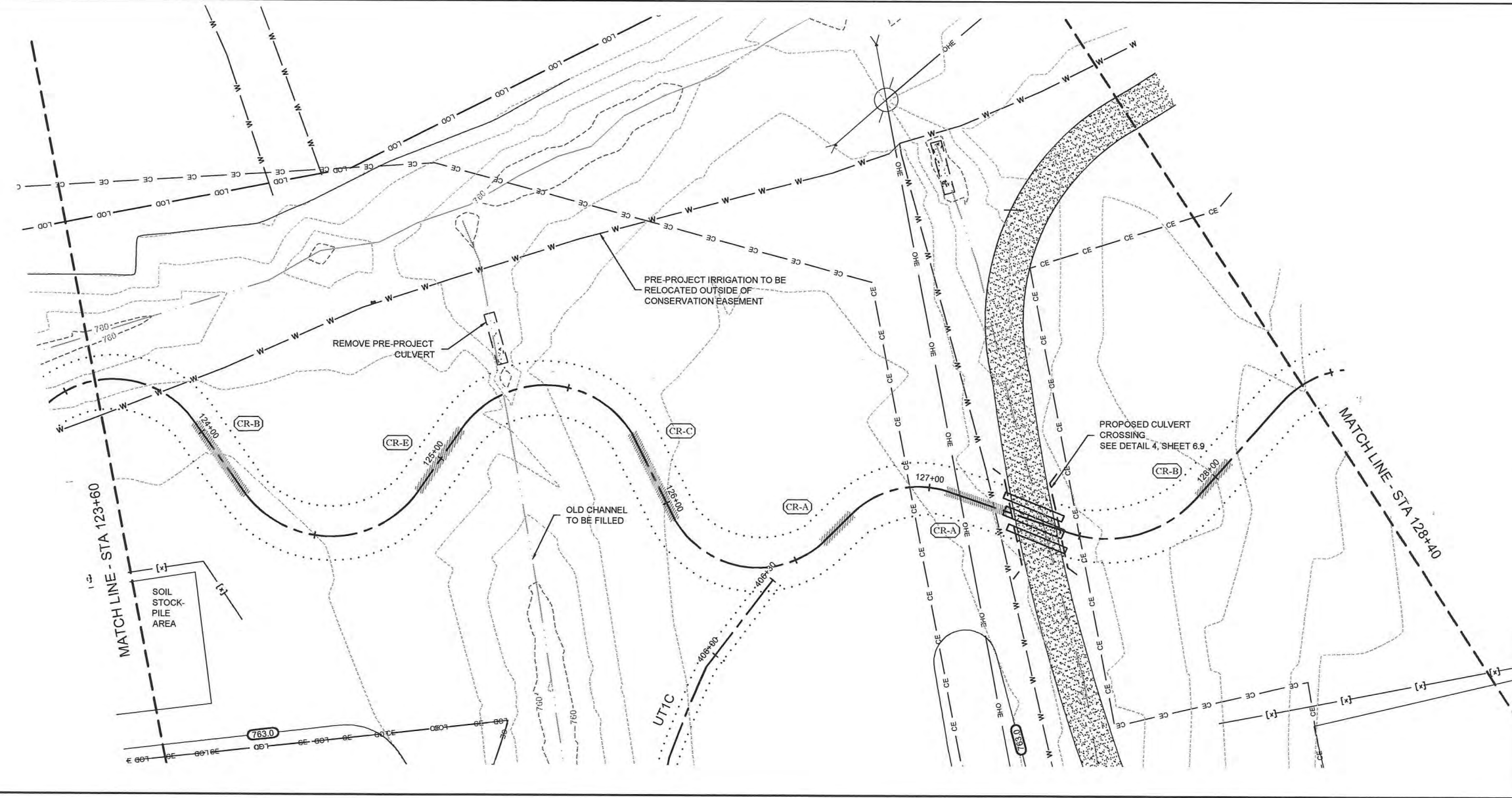
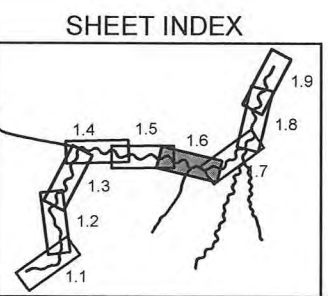
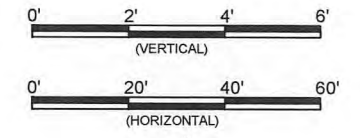
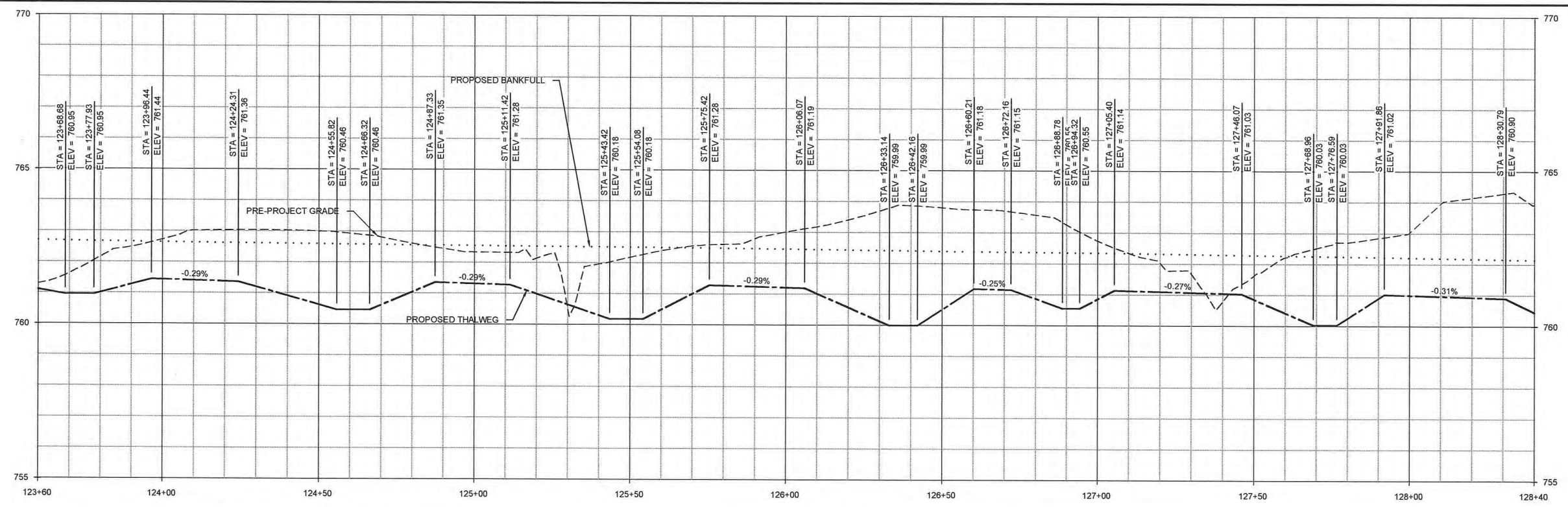


Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 Construction Plans UT1 Reach 1 Lower

Revisions:

Date: June 15, 2012
 Job Number: 095-02123
 Project Engineer: CDM
 Drawn By: JCK
 Checked By: EGR

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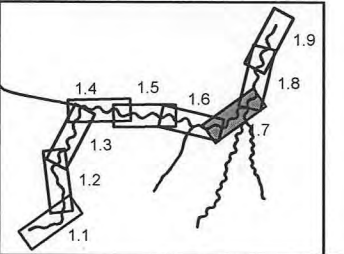
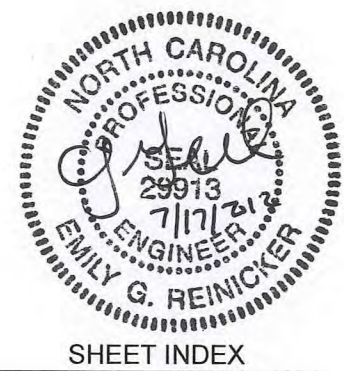
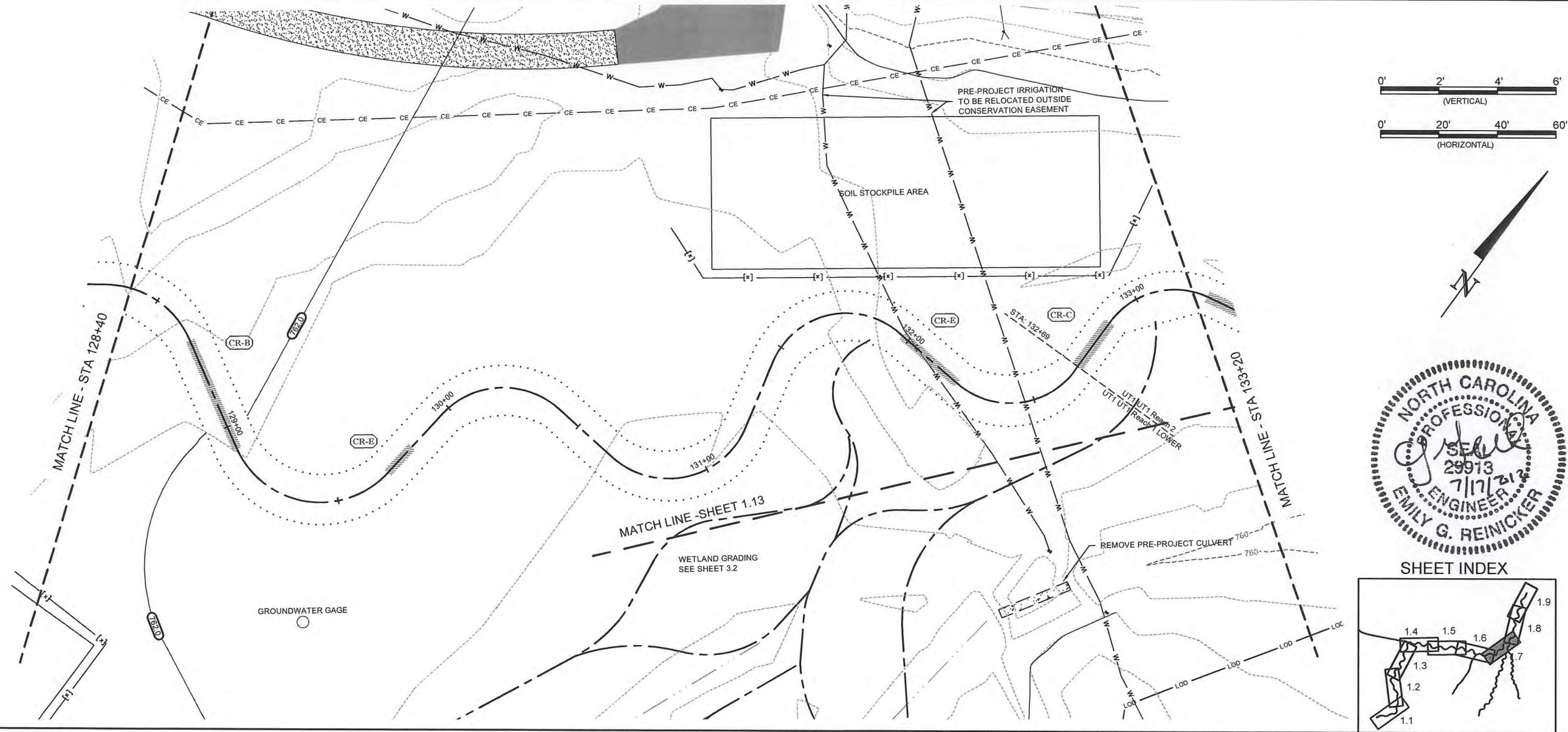
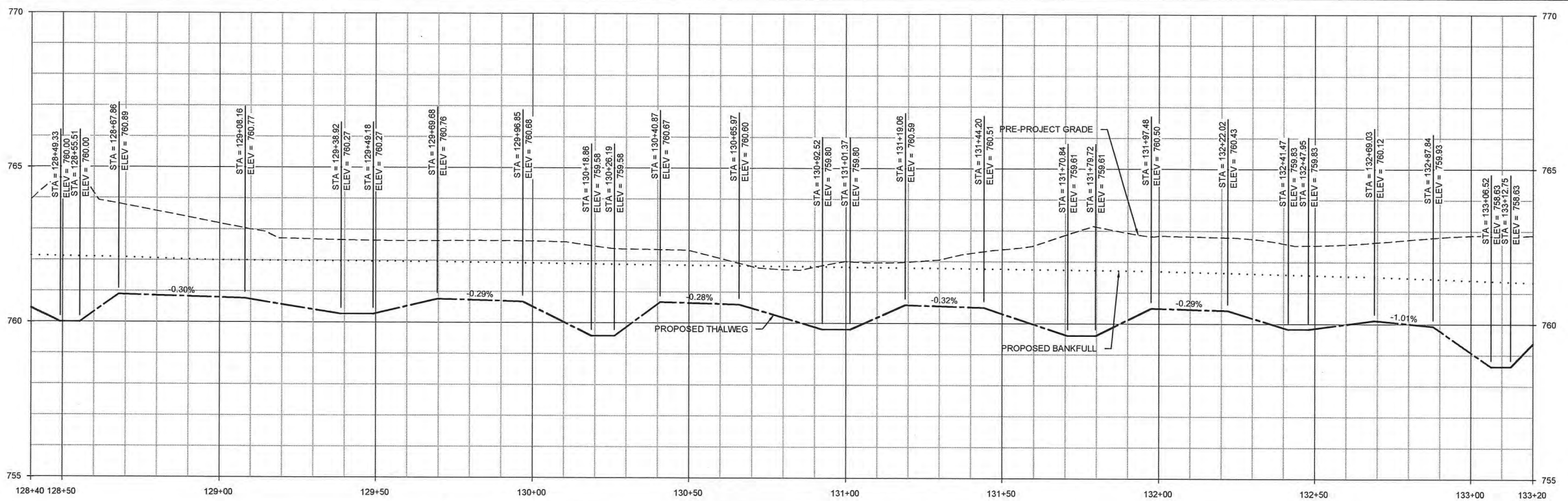


Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 Construction Plans UT1 Reach 1 Lower

Revisions:

Date: June 15, 2012
 Job Number: 085-02123
 Project Engineer: CDM
 Drawn By: JCK
 Checked By: JCR

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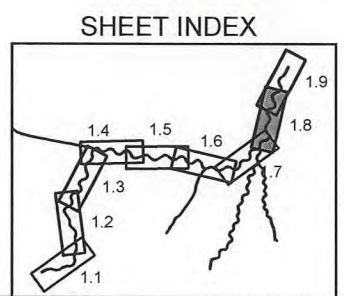
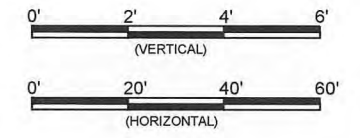
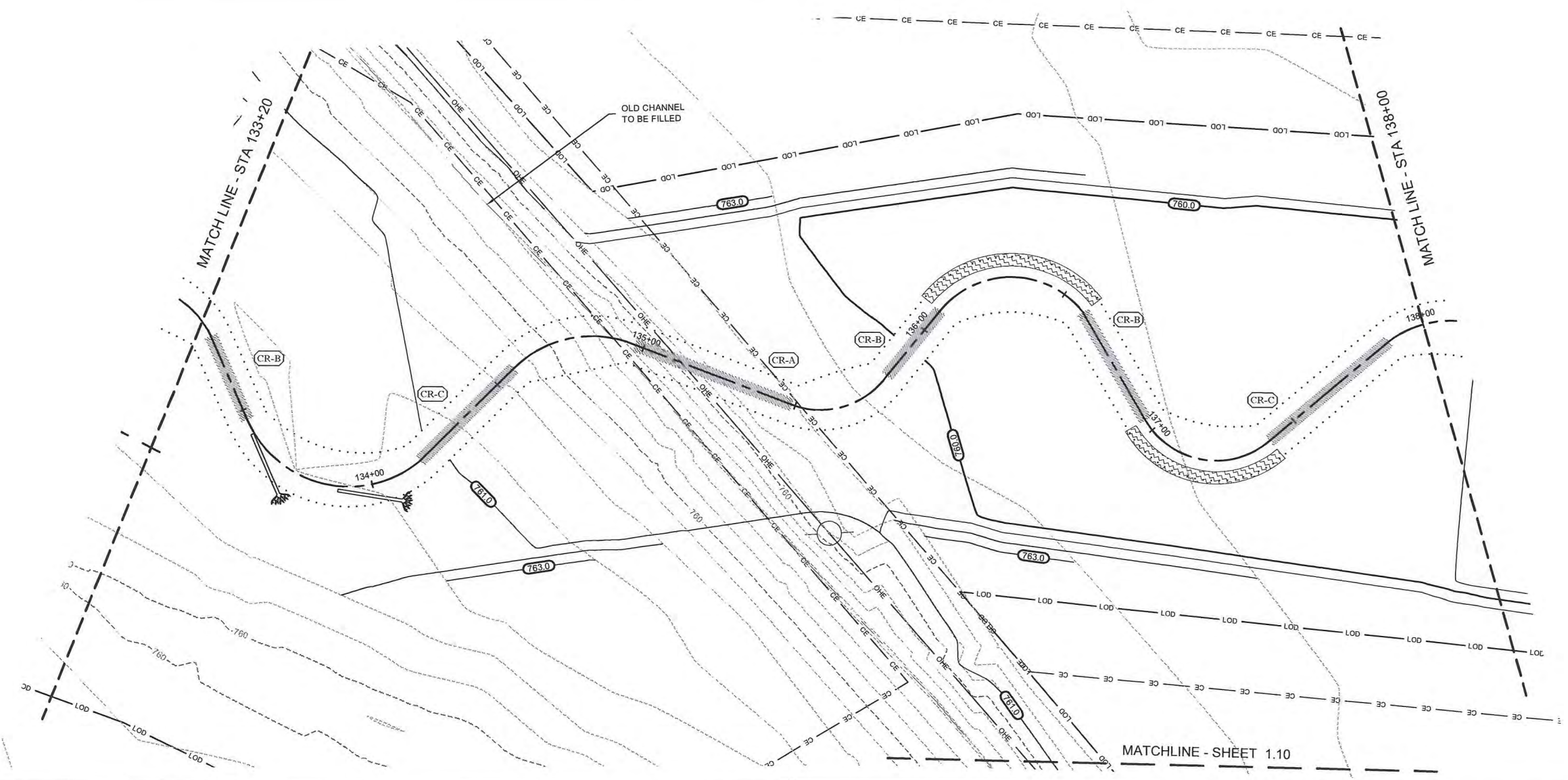
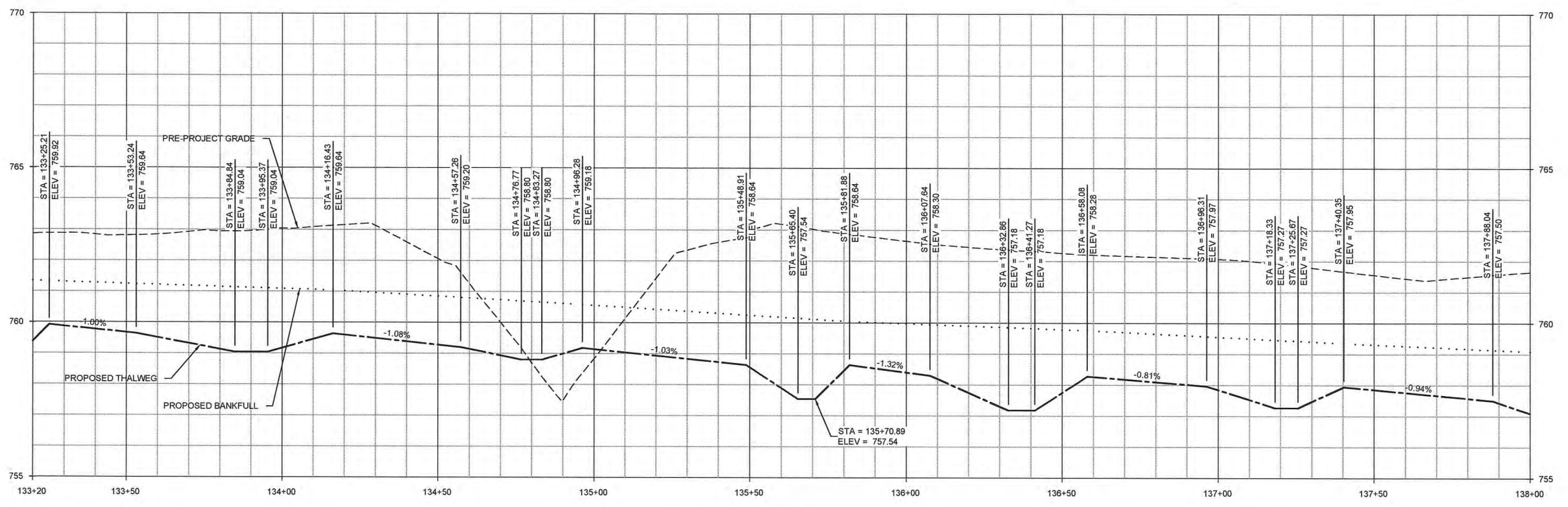


Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 Construction Plans UT1 Reach 2

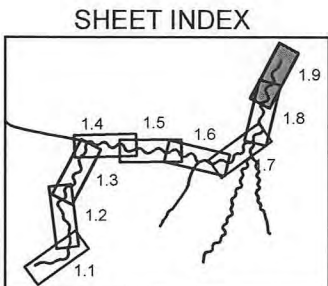
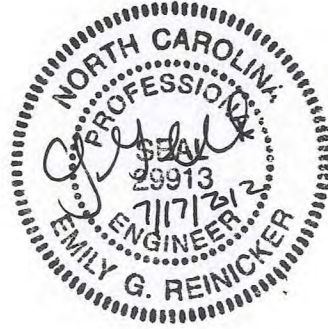
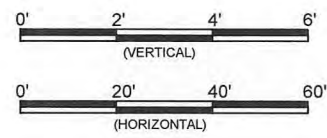
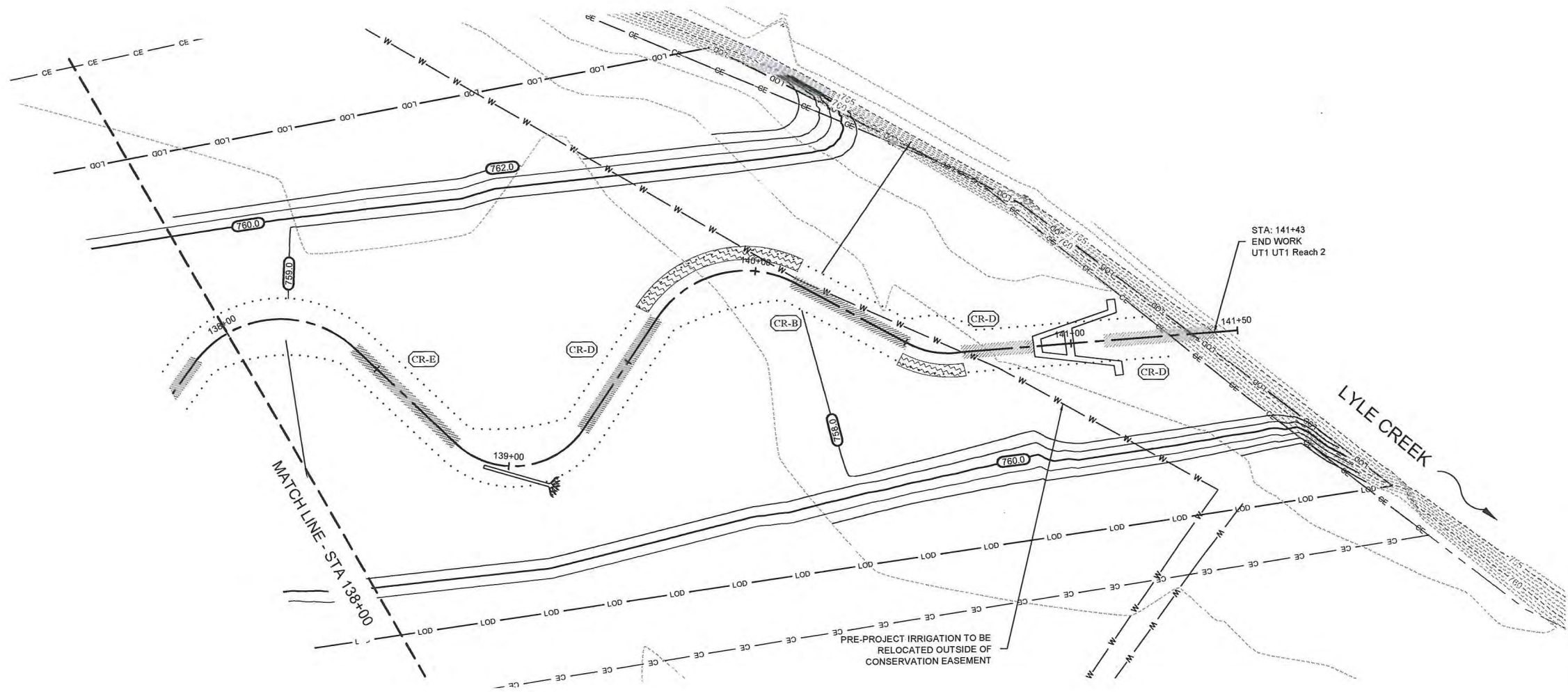
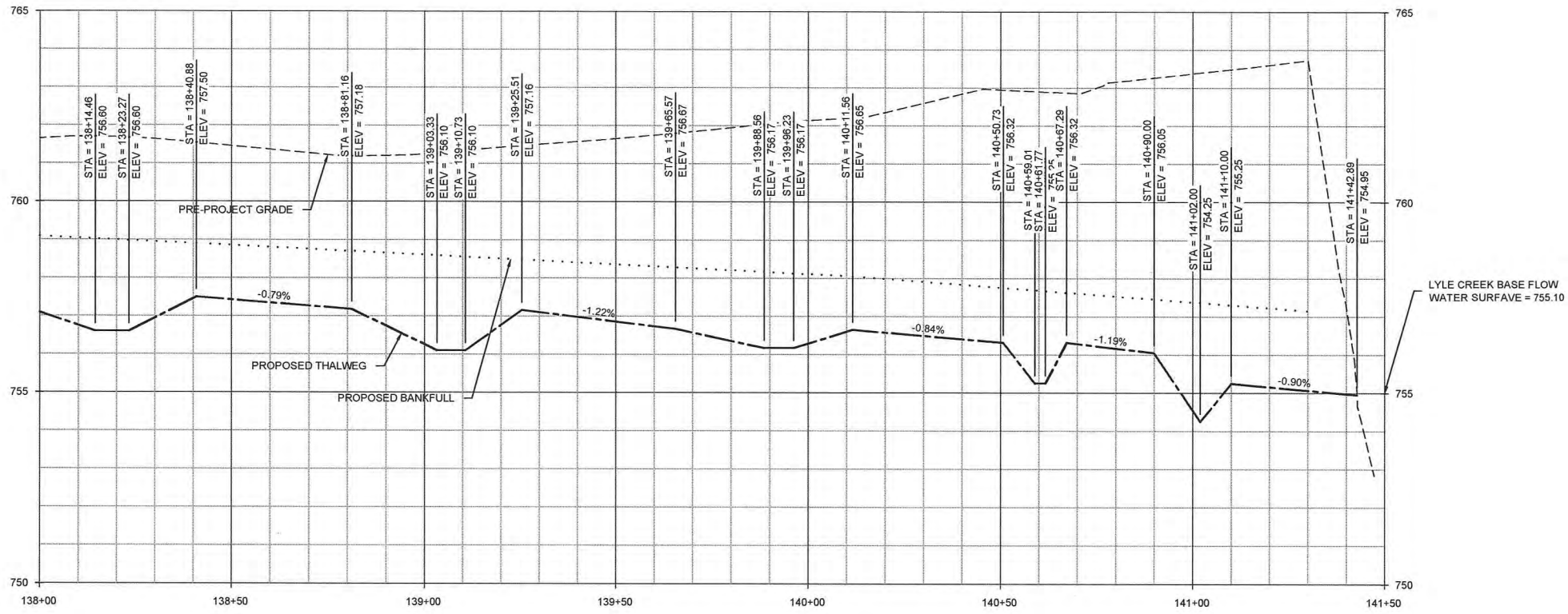
Revisions:

Date: June 15, 2012
 Job Number: 005-02123
 Project Engineer: CDM
 Drawn By: JCK
 Checked By: EGR

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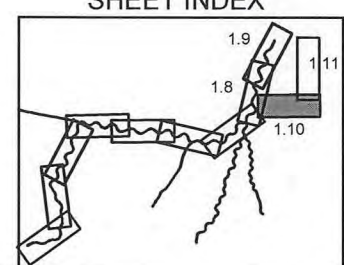
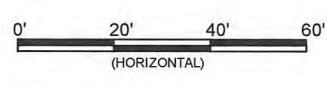
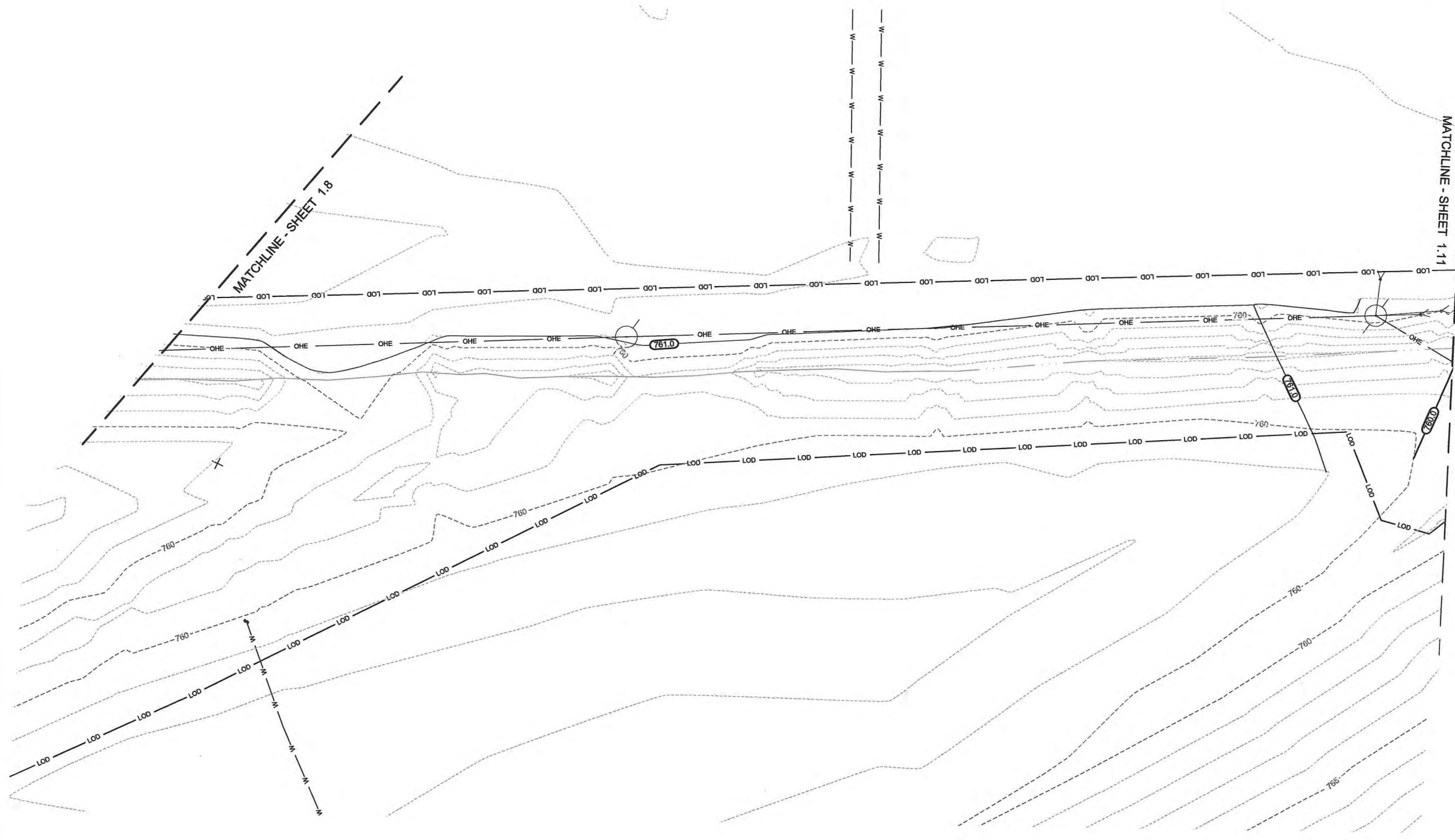


Lyle Creek Mitigation Site
 Catawba, North Carolina
 Stream Plan and Profile
 Construction Plans UT1 Reach 2

Revisions	

Date:	June 15, 2012
Job Number:	095-0323
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	EGR

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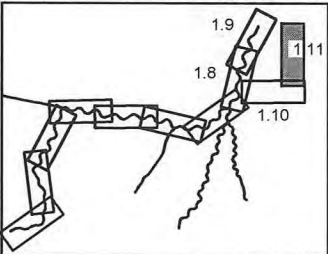
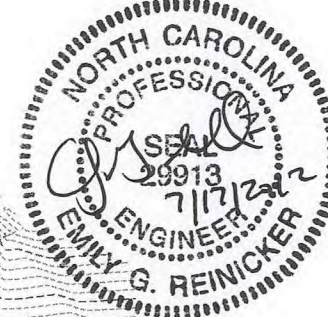
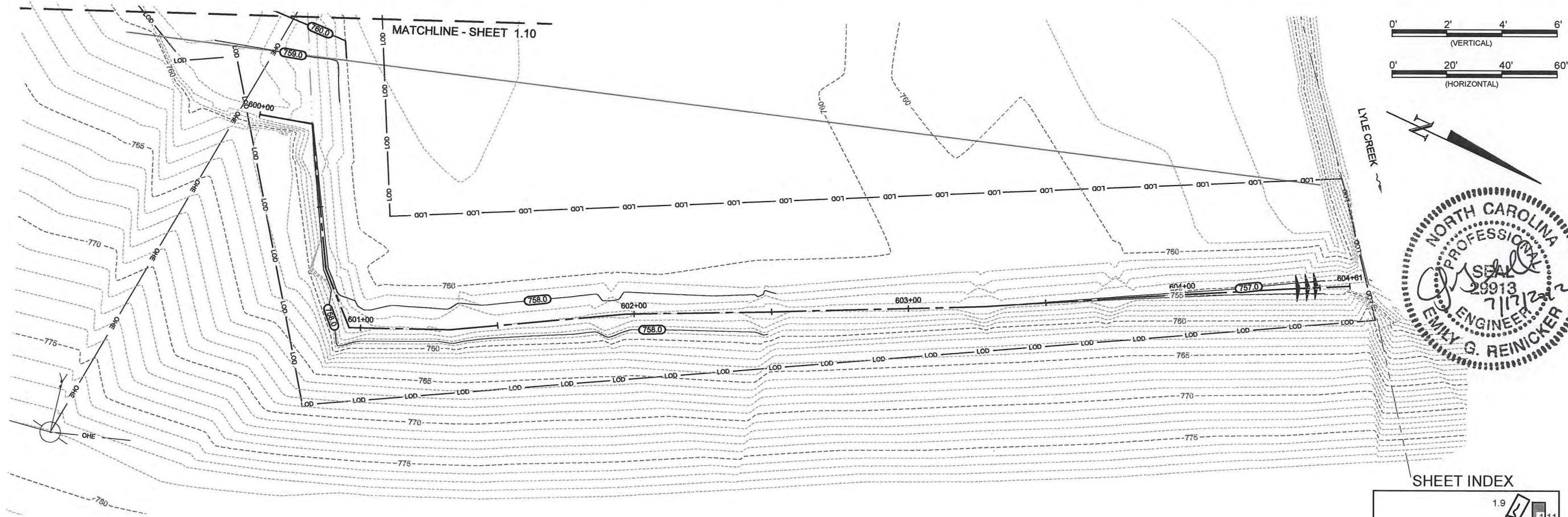
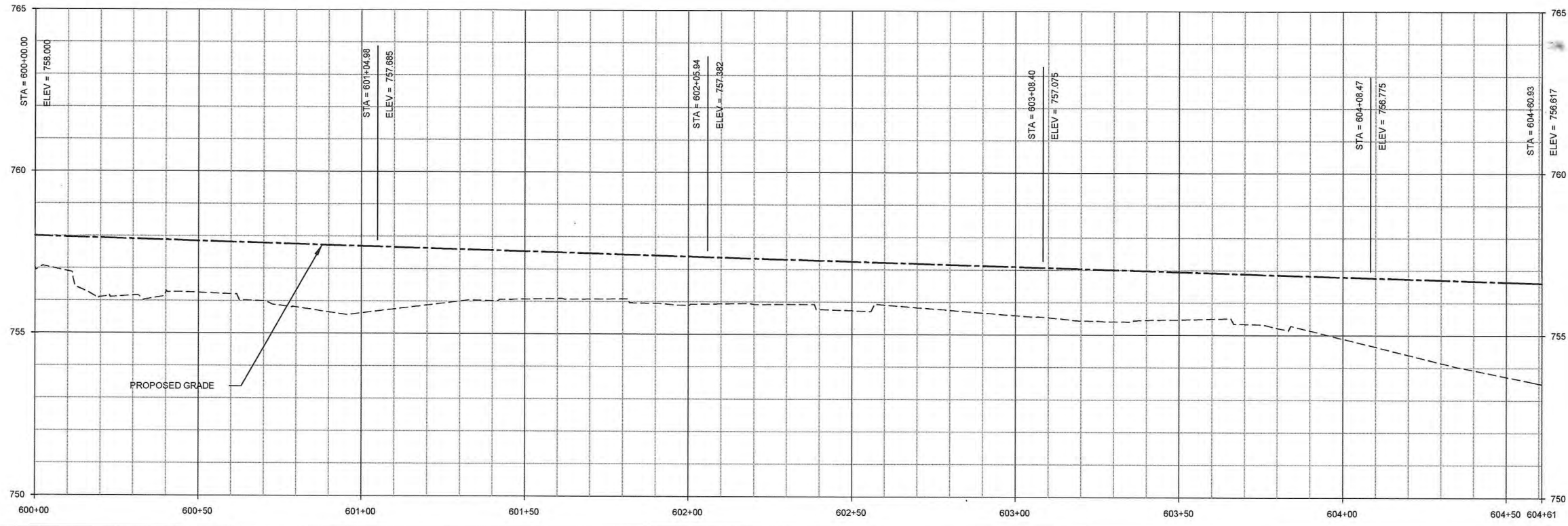
WILDLANDS
ENGINEERING
1430 South Mint Street, Suite 104
Charlotte, NC 28203
Tel: 704.332.7754
Fax: 704.332.3300
Firm License No. 1-0831

Lyle Creek Mitigation Site
Catawba, North Carolina
Stream Plan and Profile
Construction Plans Fill PRE-PROJECT Channel

Revisions:

Date: June 15, 2012
Job Number: 005-0212
Project Engineer: CDM
Drawn By: JCK
Checked By: ECR

1.10



Lyle Creek Mitigation Site
Catawba, North Carolina
Stream Plan and Profile
Construction Plans Fill PRE-PROJECT Channel

Revisions	

Date: June 15, 2012
 Job Number: 095-03123
 Project Engineer: CDAM
 Drawn By: JCK
 Checked By: EGR

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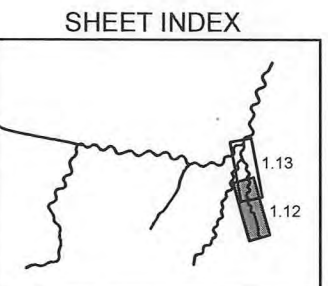
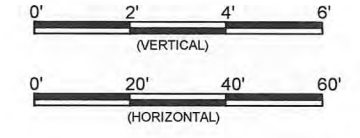
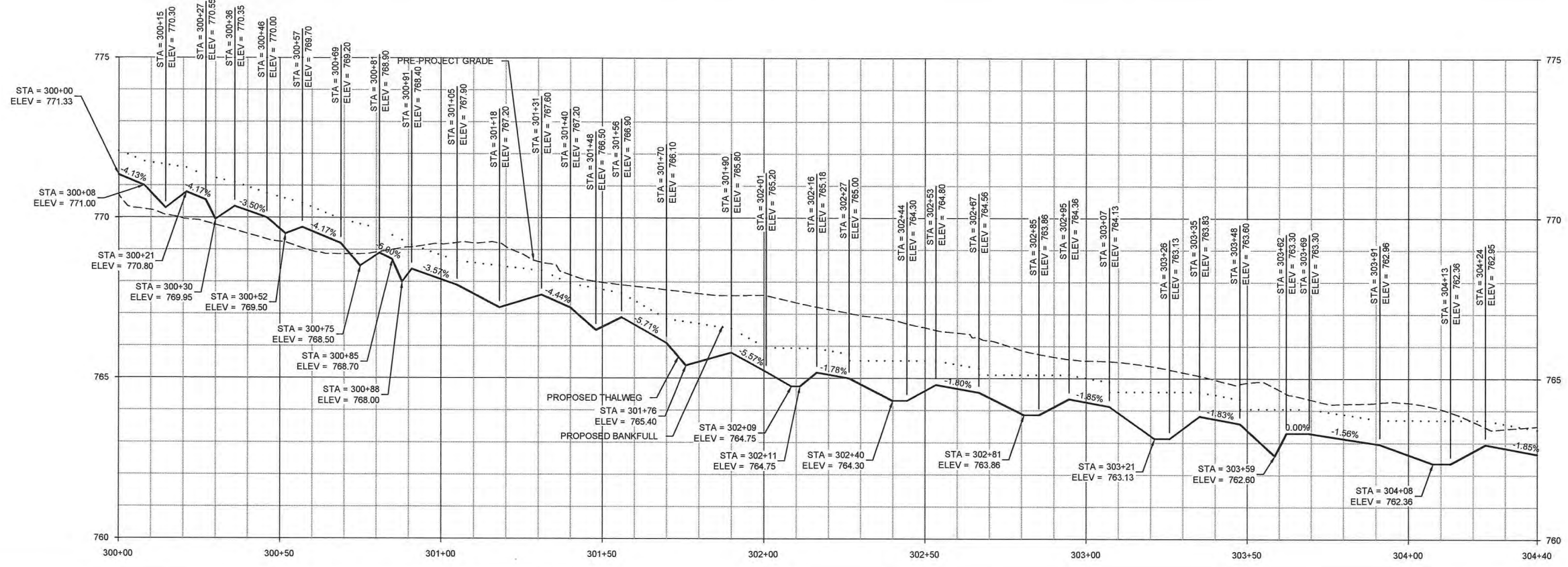
Lyle Creek Mitigation Site
Catawba, North Carolina
Stream Plan and Profile
Construction Plans UT1A

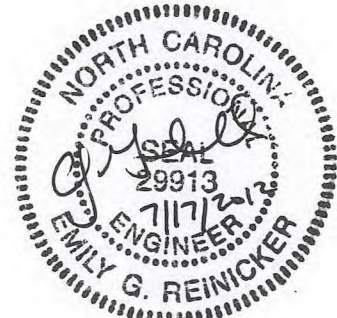
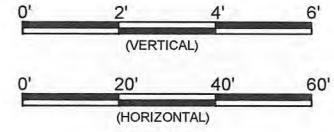
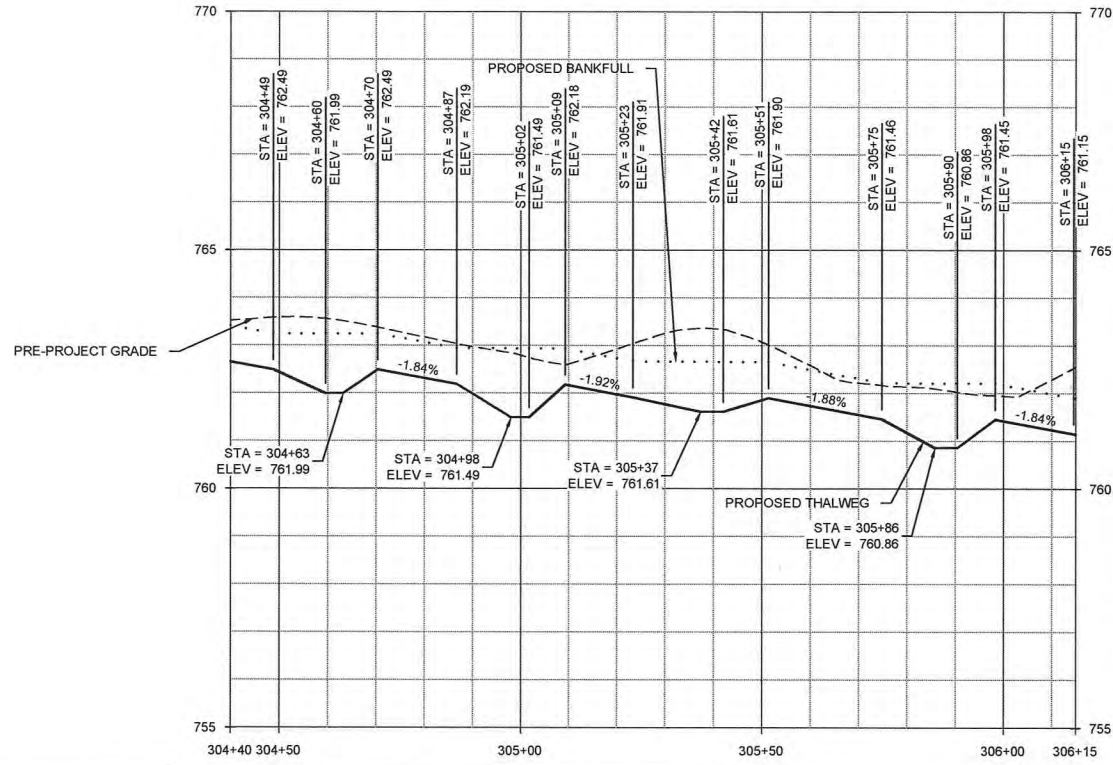
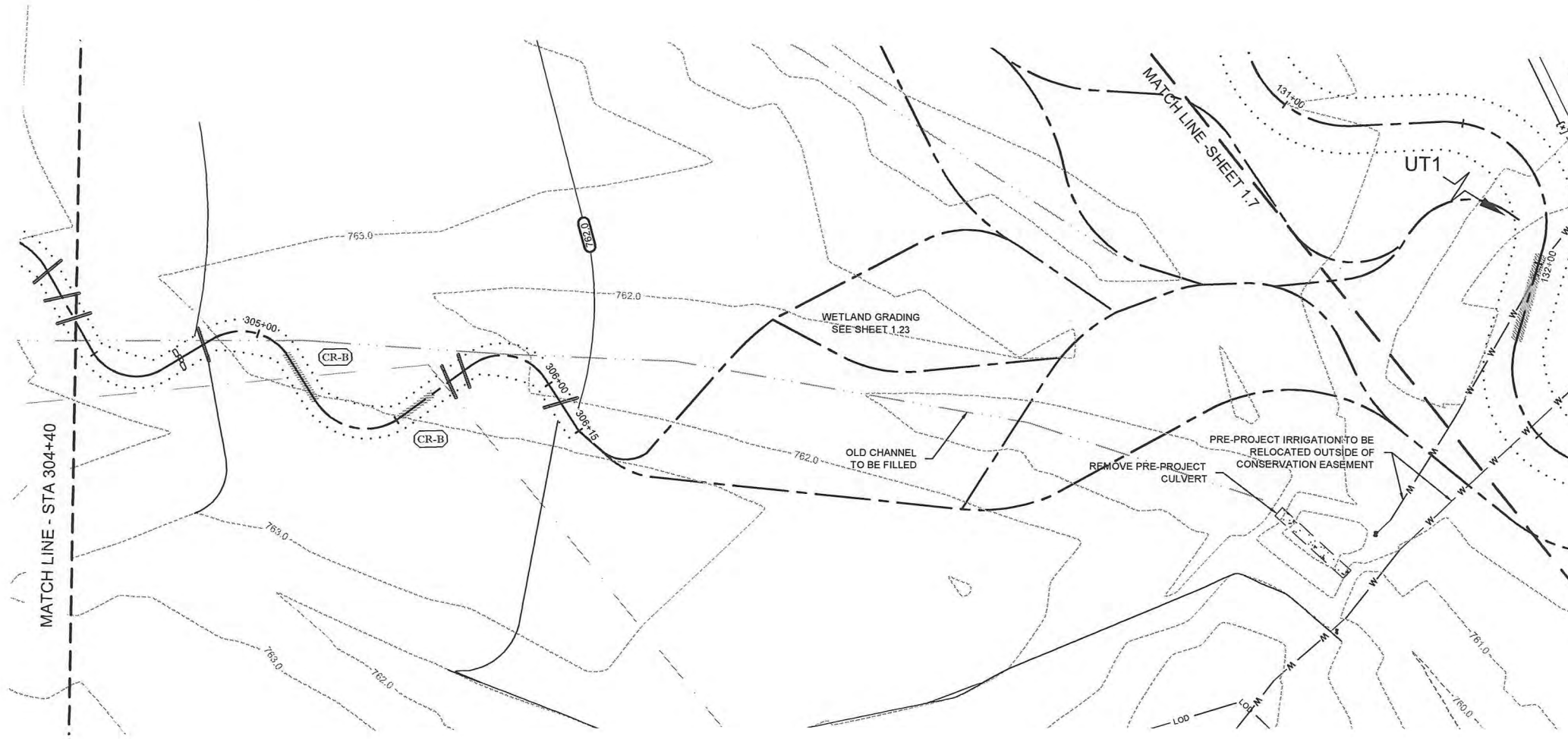
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Date: June 15, 2012
Job Number: 068-02123
Project Engineer: CDNI
Drawn By: JCK
Checked By: JCR

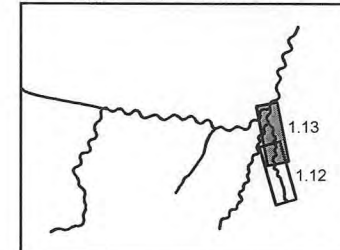
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Final As-Built Plans





SHEET INDEX



Lyle Creek Mitigation Site
 Catawba, North Carolina
 Stream Plan and Profile
 Construction Plans UT1A

Revisions

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 Job Number: 005-02123
 Project Engineer: CDM
 Drawn By: JCK
 Checked By: EGR

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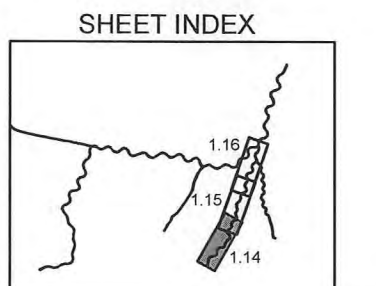
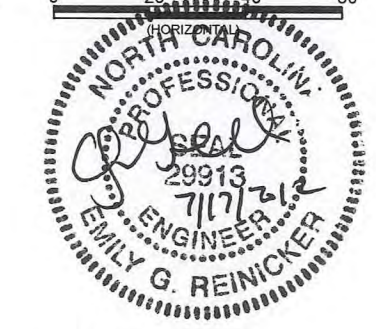
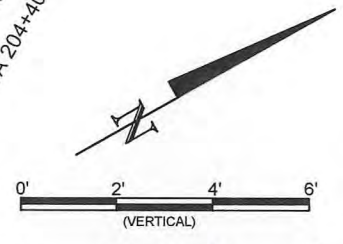
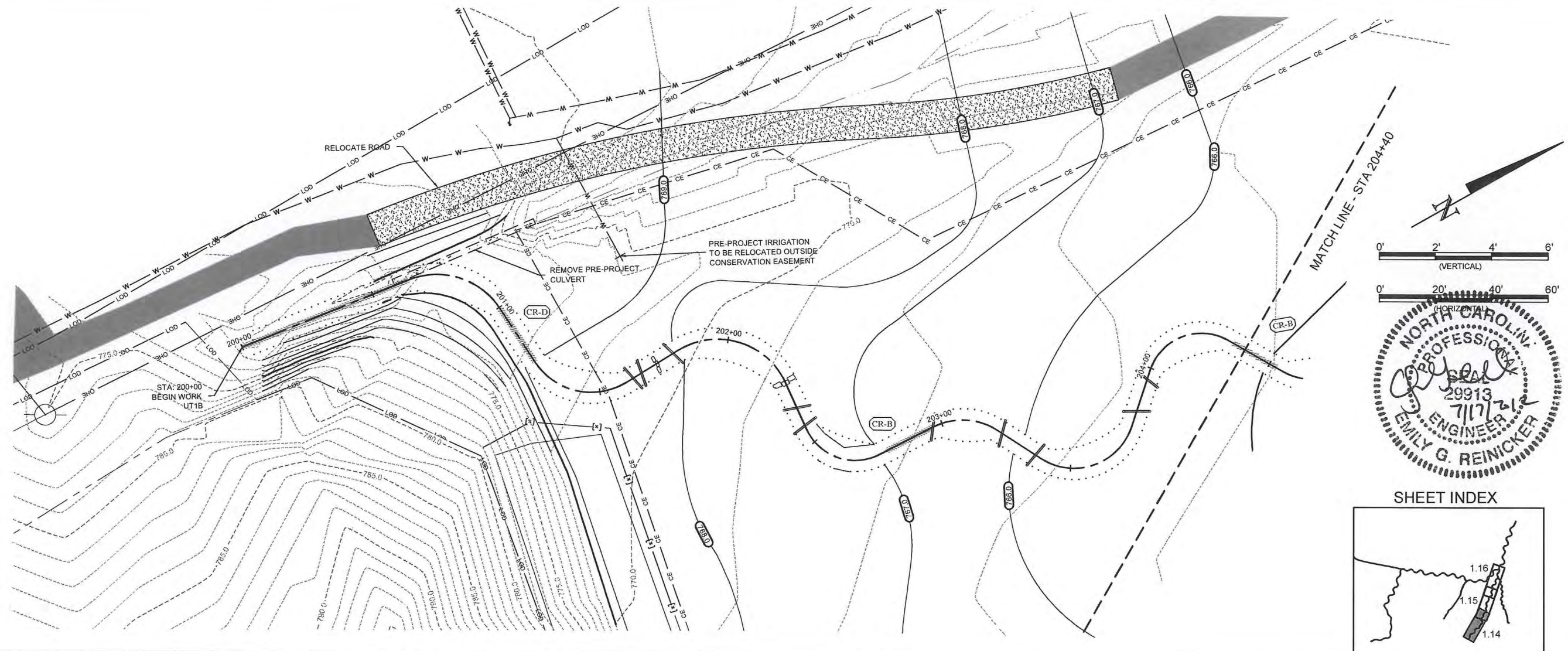
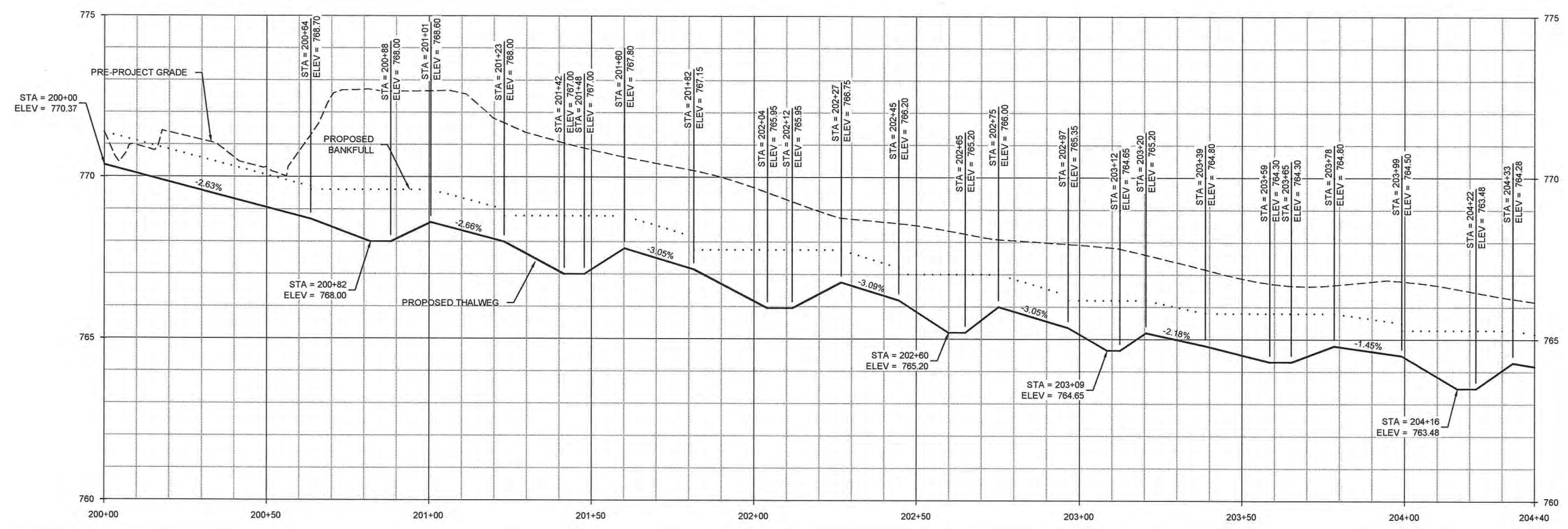
Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 Construction Plans UT1B

Revisions:

Date: June 15, 2012
 Job Number: 005-02123
 Project Engineer: CDM
 Drawn By: JCK
 Checked By: EGR

1.14

Final As-Built Plans



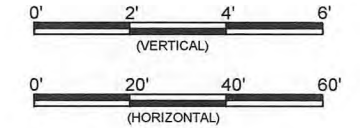
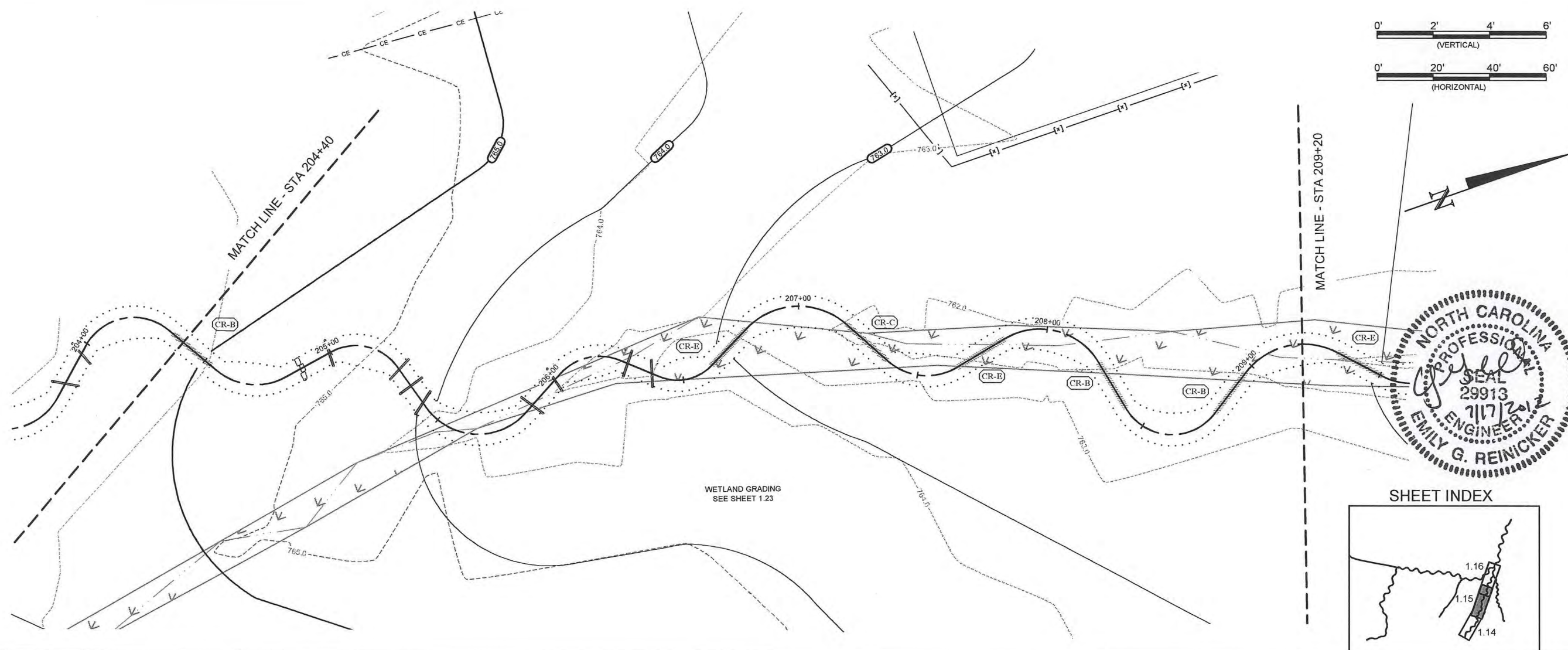
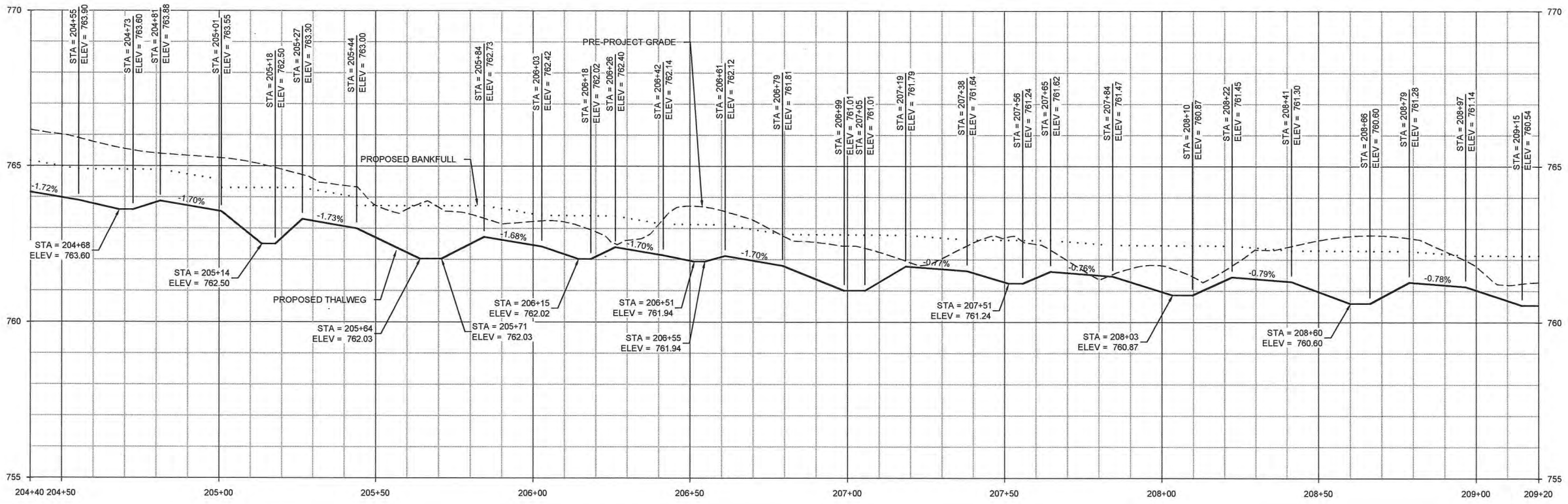
Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 Construction Plans UT1B

Revisions

Date: June 15, 2012
 Job Number: 068-0213
 Project Engineer: CDN
 Drawn By: JCK
 Checked By: JGR

1.15

Final As-Built Plans



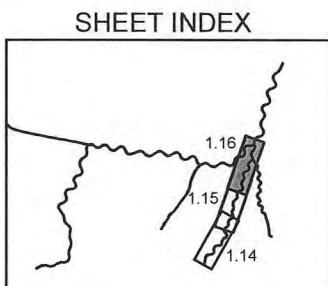
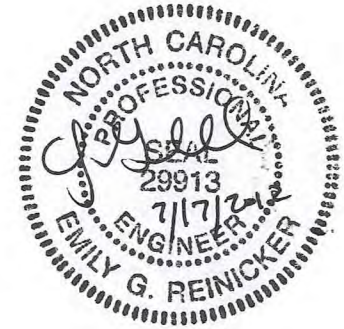
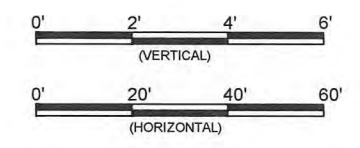
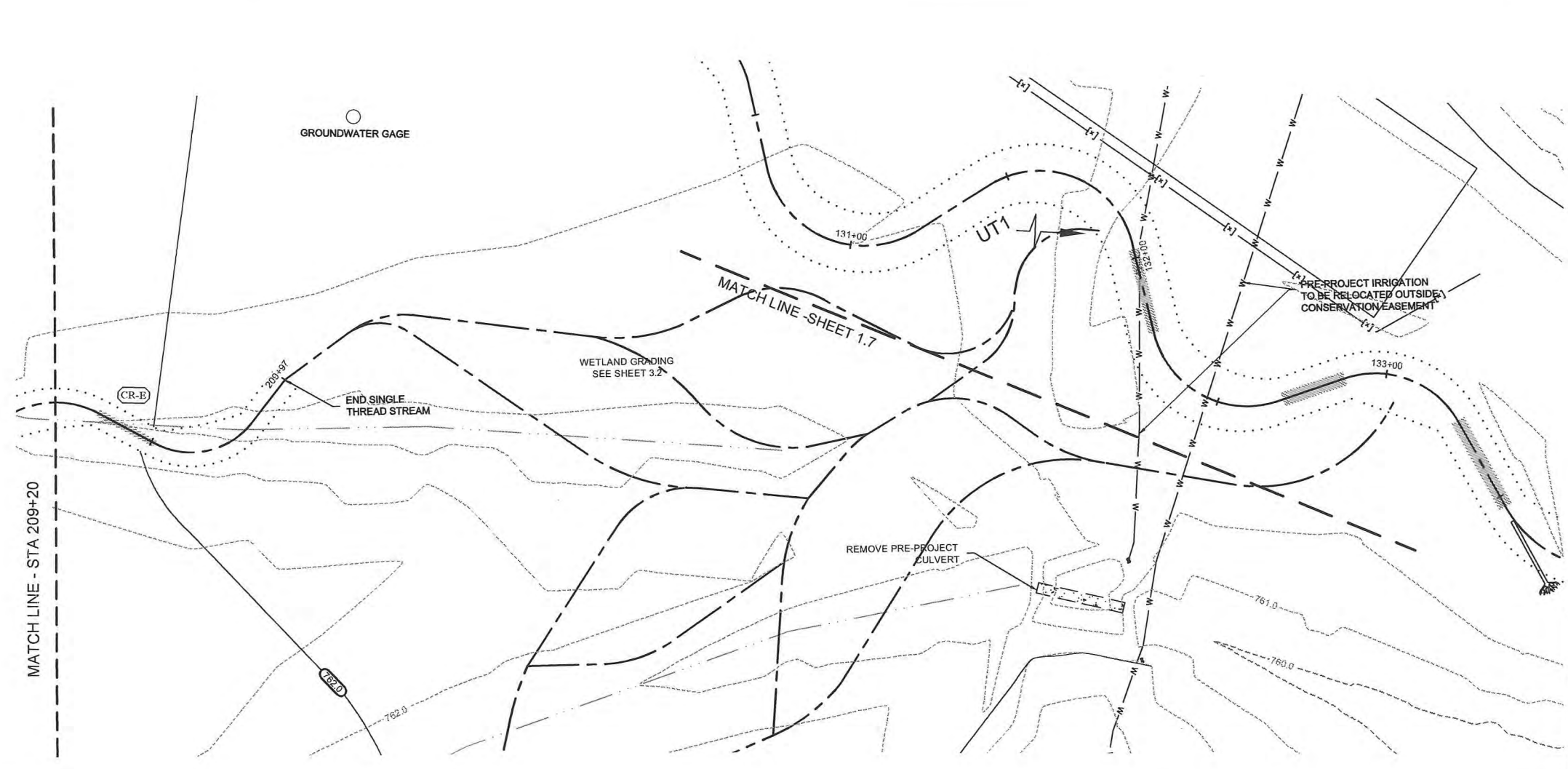
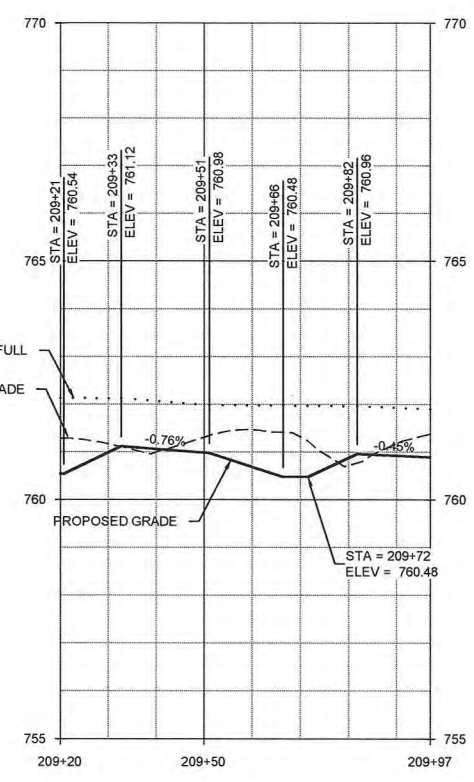
Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 Construction Plans UT1B

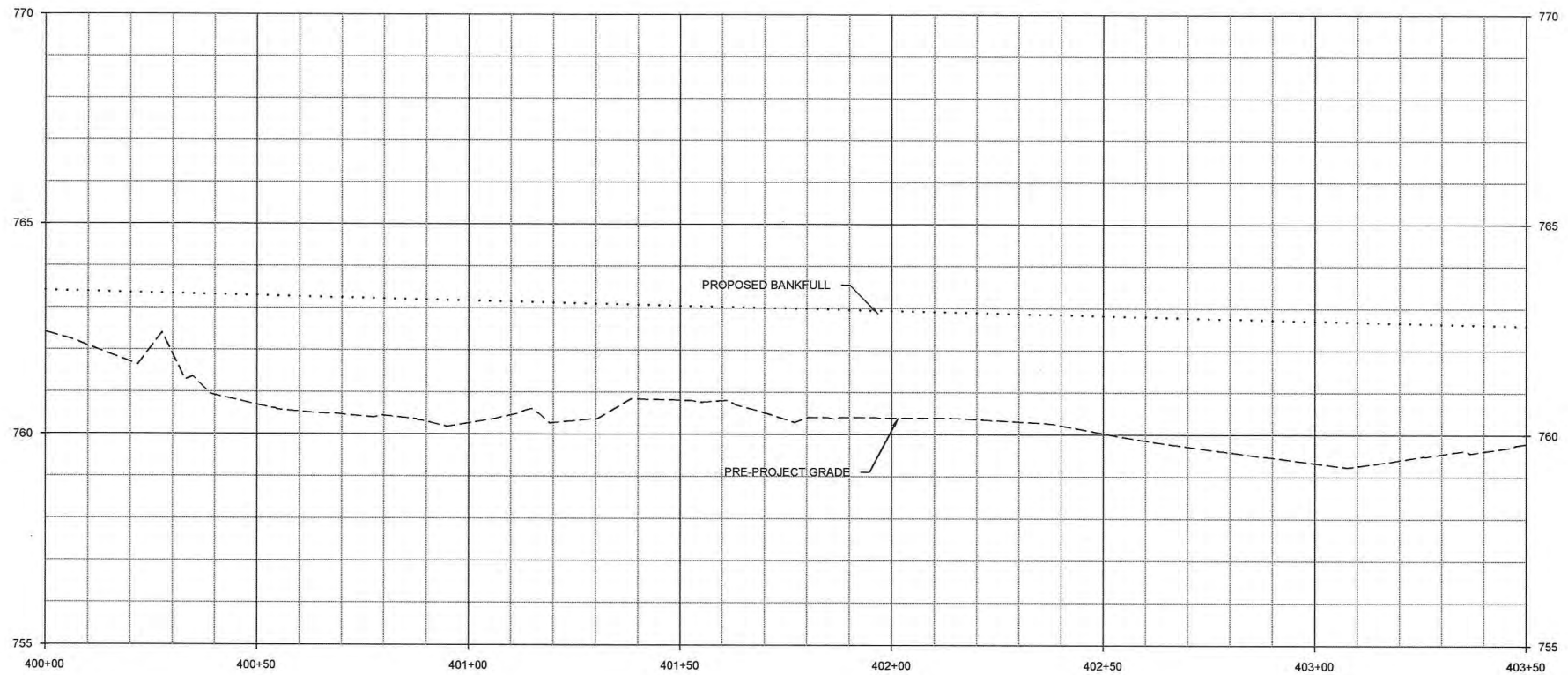
Revisions:

Date:	June 15, 2012
Job Number:	068-02123
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	JGR

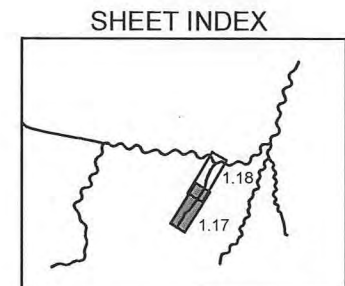
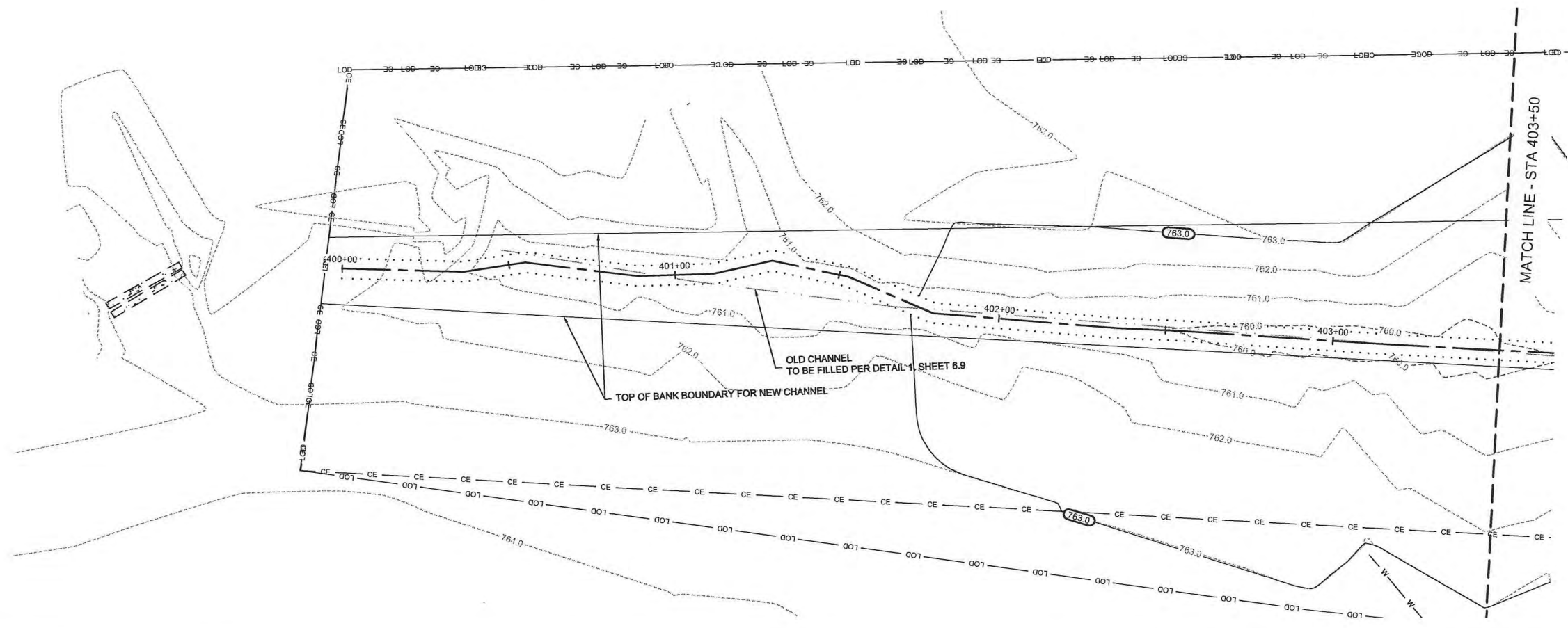
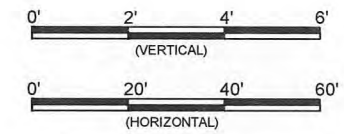
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Final As-Built Plans





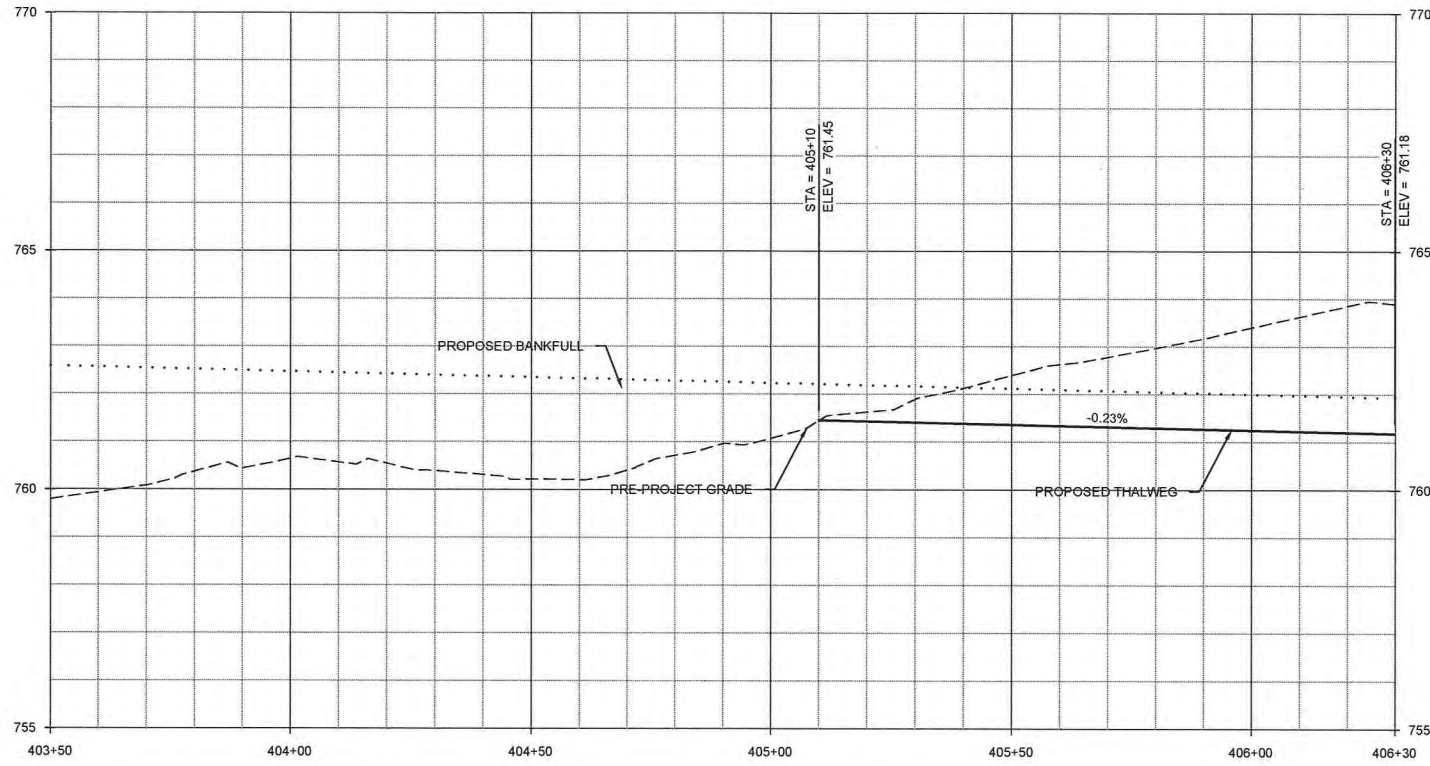
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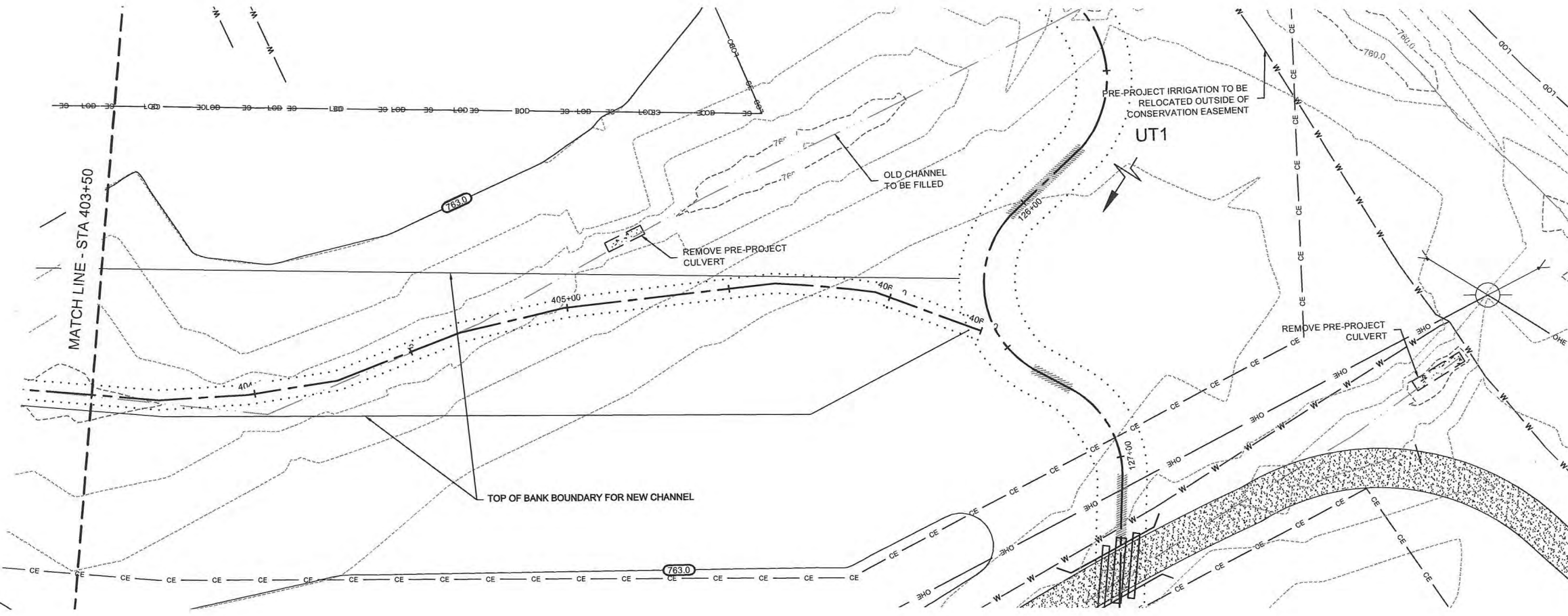
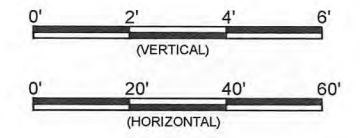
Revisions:

Date: June 15, 2012
Job Number: 085-0213
Project Engineer: CDM
Drawn By: JCK
Checked By: EGR

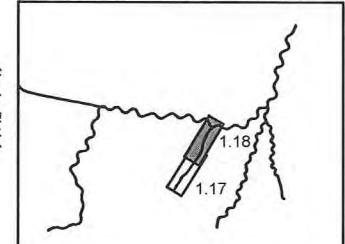
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NOTE: ENHANCEMENT ON UT1C TO FOLLOW TYPICAL DETAIL.



SHEET INDEX



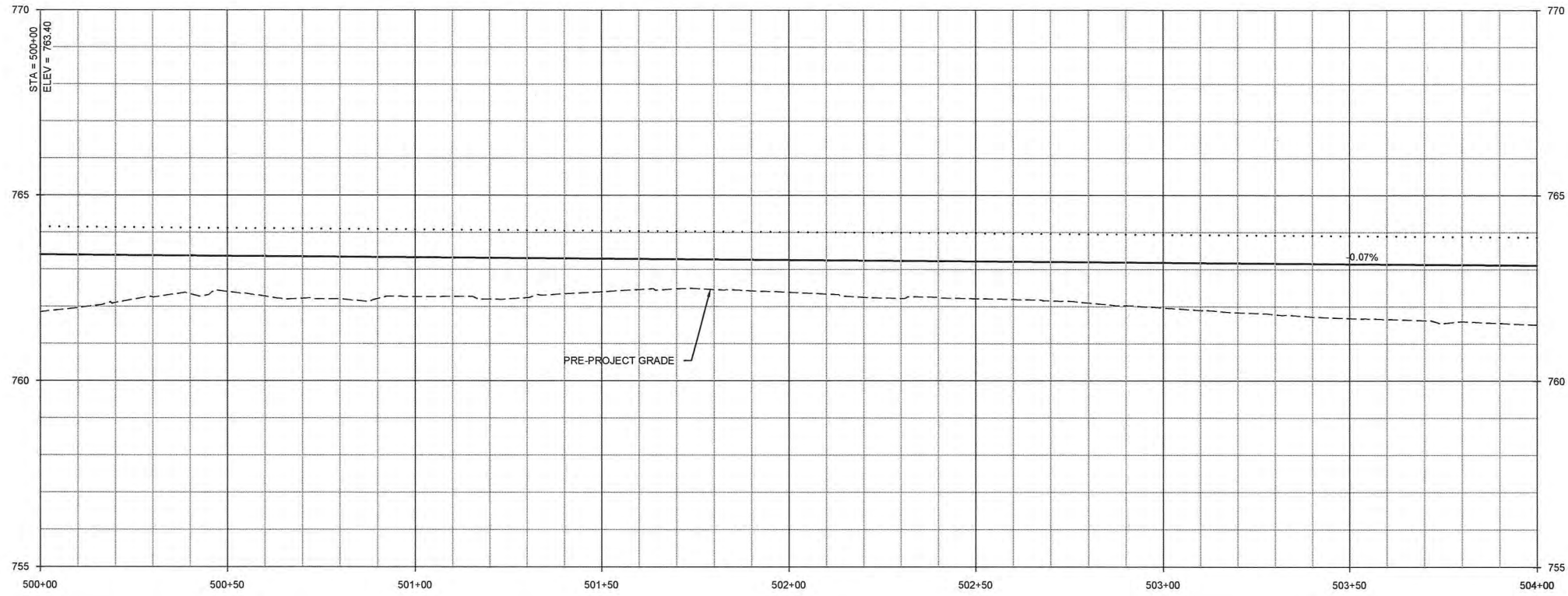
Lyle Creek Mitigation Site
Catawba, North Carolina
Stream Plan and Profile
Construction Plans UT1C

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ENGINEERING
1430 South Mint Street, Suite 104
Charlotte, NC 28203
Tel: 704.332.7754
Fax: 704.332.6954
Firm License No. P-0831

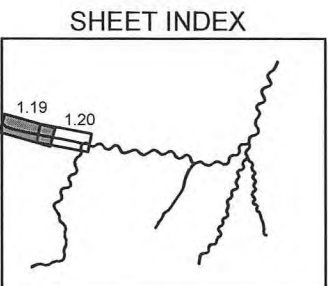
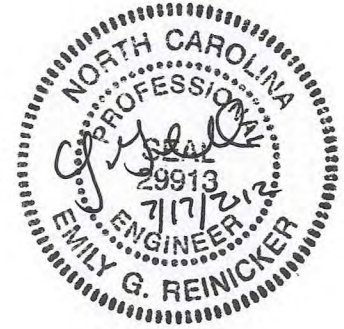
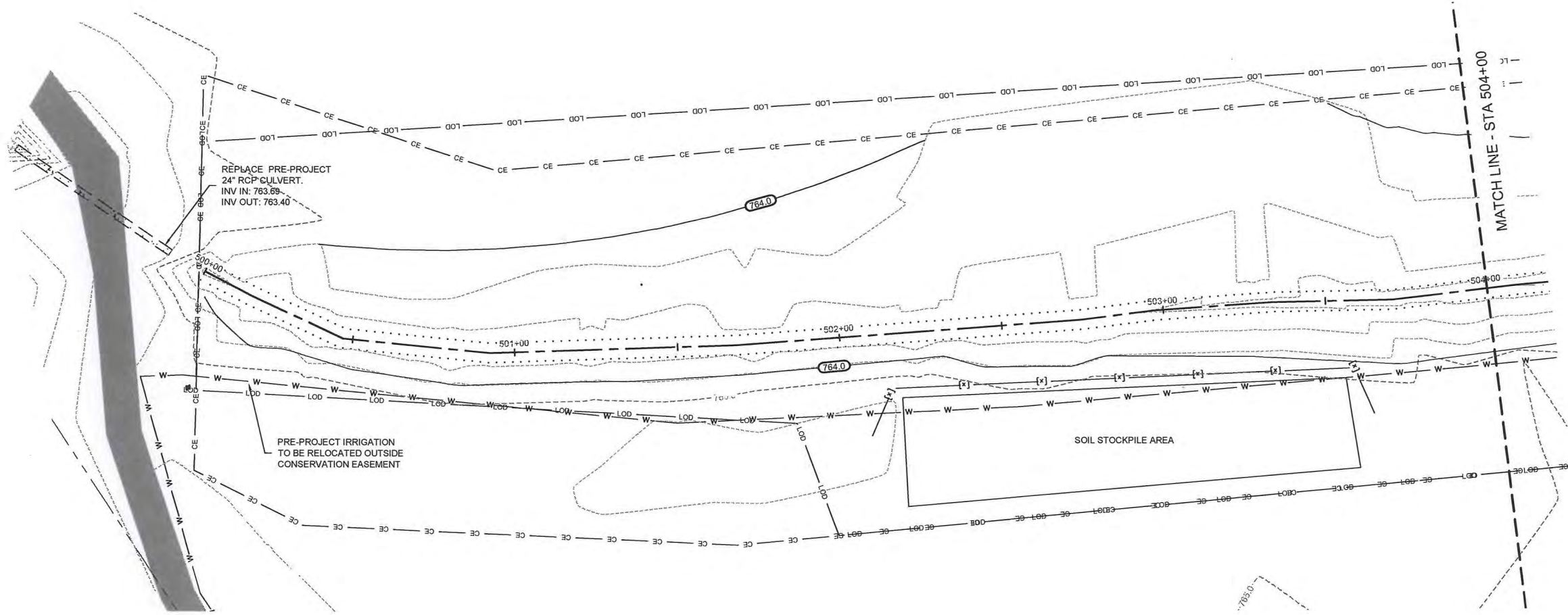
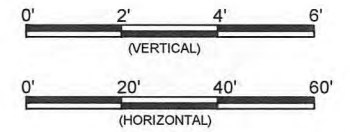
Revisions:

Date: June 15, 2022
Job Number: 005-02123
Project Engineer: CDM
Drawn By: JCK
Checked By: EGR

1.18



NOTE: ENHANCEMENT ON UT1D TO FOLLOW TYPICAL DETAIL.

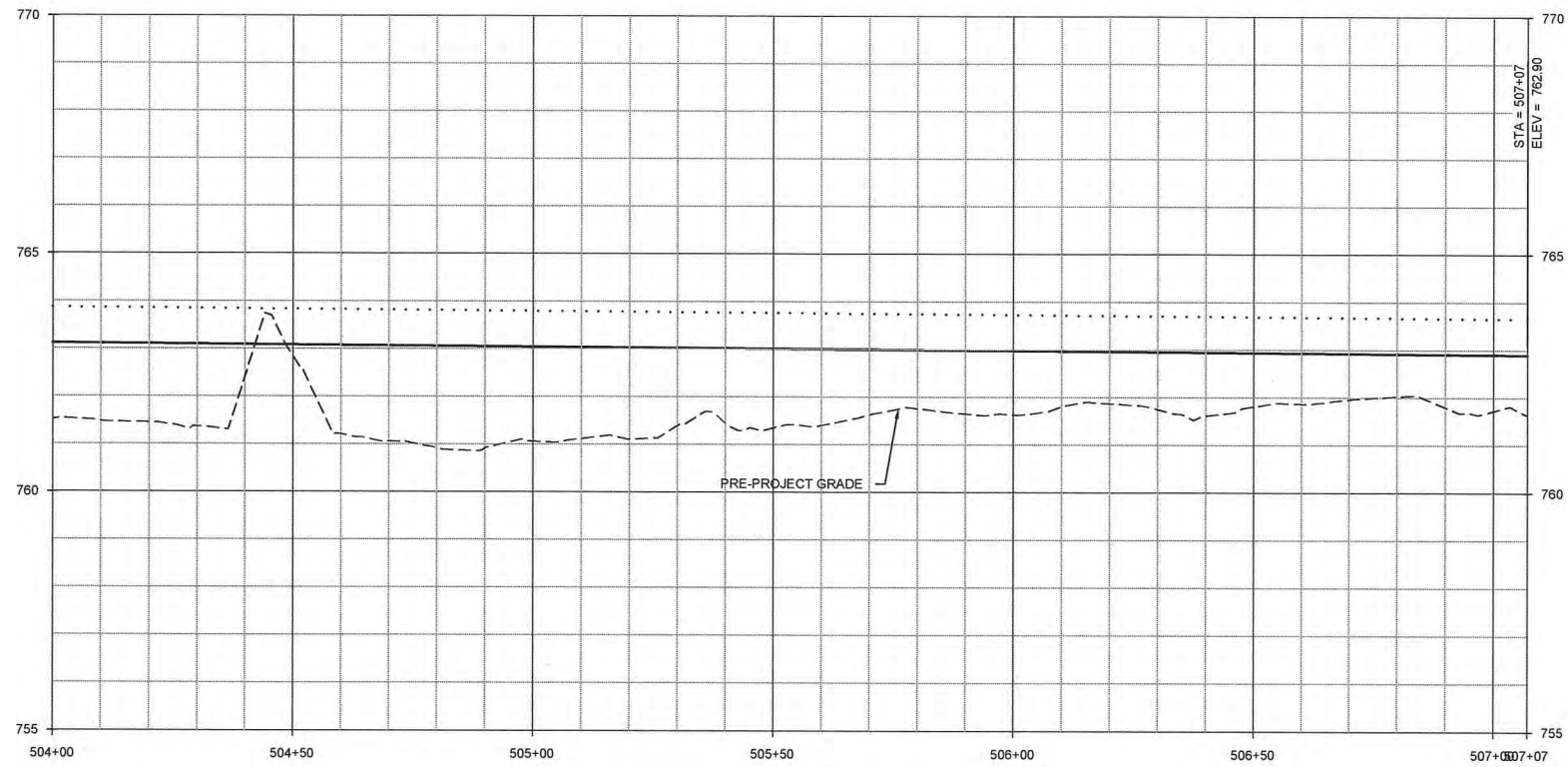


Lyle Creek Mitigation Site
Catawba, North Carolina
Stream Plan and Profile
Construction Plans UT1D

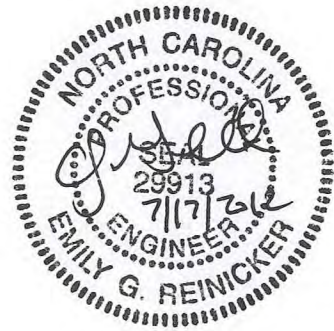
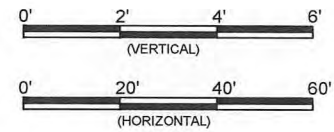
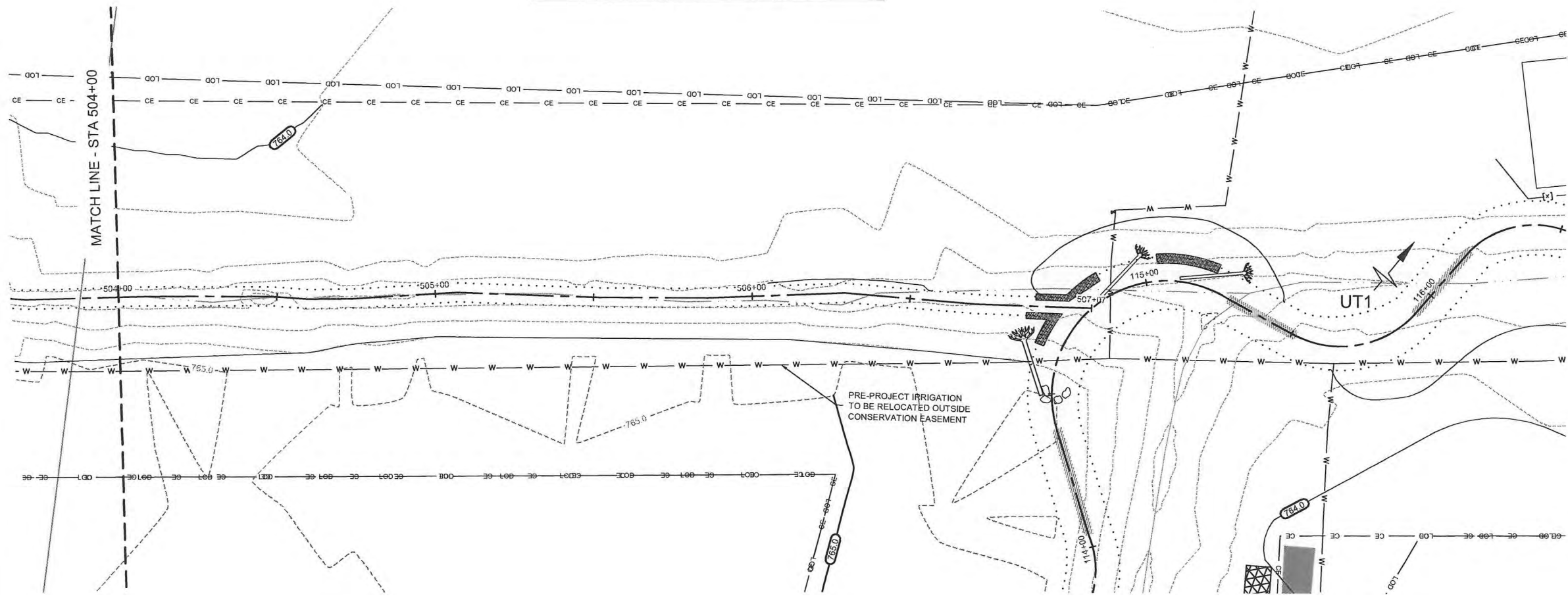
Revisions:

Date:	June 15, 2012
Job Number:	085-0123
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	EGR

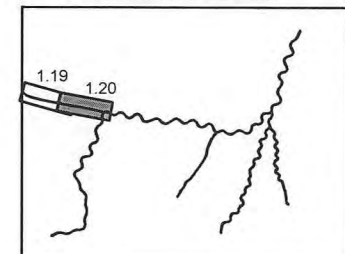
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NOTE: ENHANCEMENT ON UT1D TO FOLLOW TYPICAL DETAIL.



SHEET INDEX

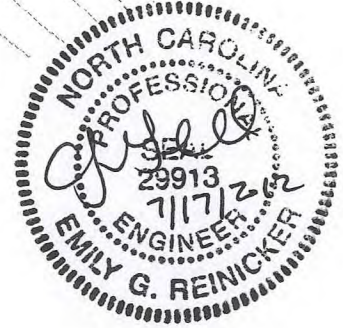
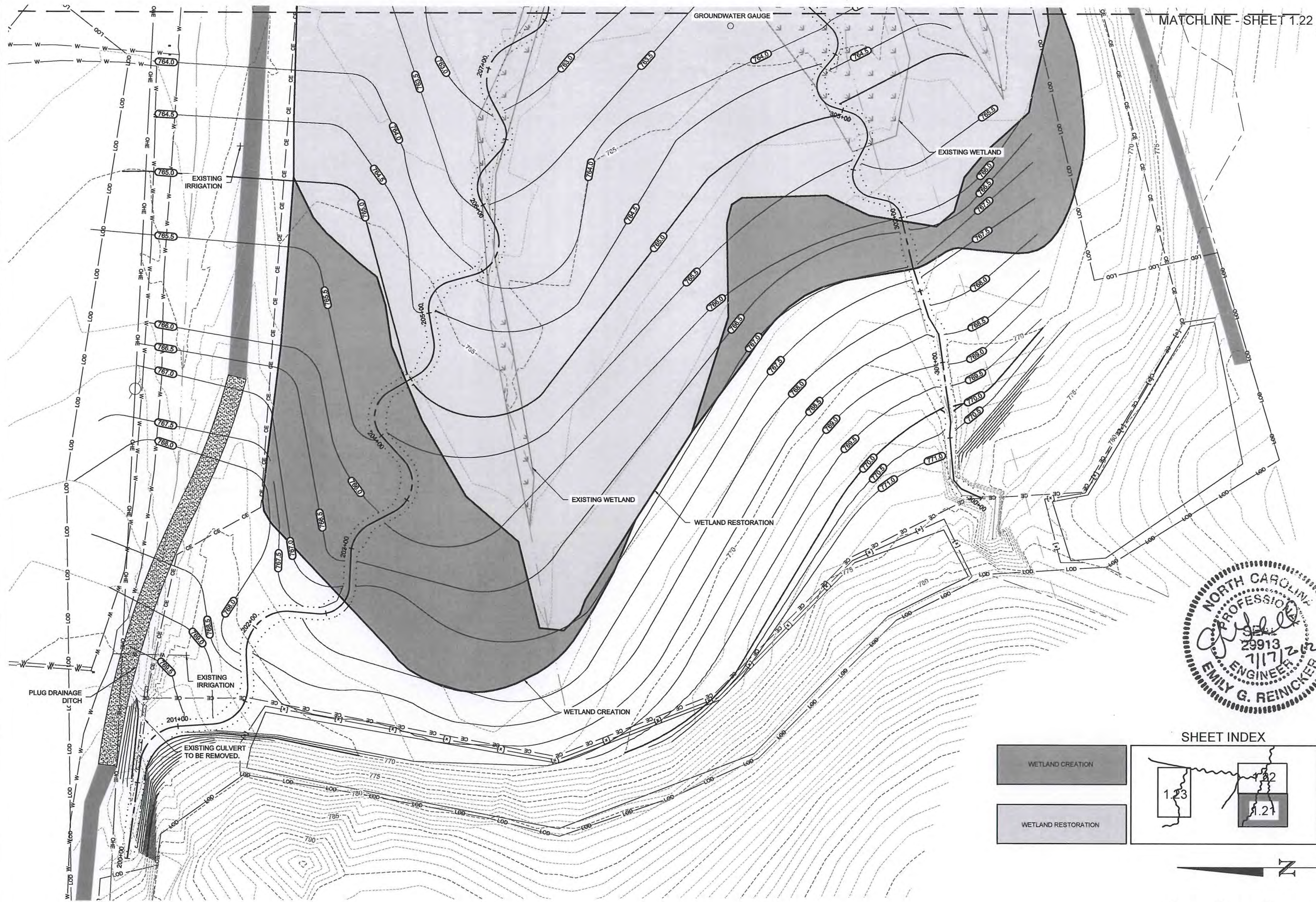


Lyle Creek Mitigation Site
Catawba, North Carolina
Stream Plan and Profile
Construction Plans UT1D

Revisions

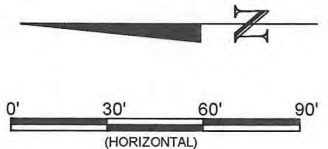
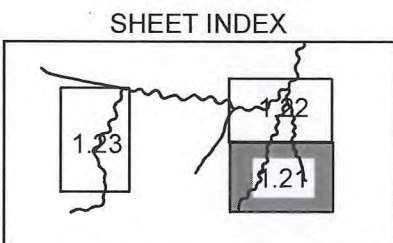
Date:	June 15, 2012
Job Number:	085-00123
Project Engineer:	CTM
Drawn By:	JCK
Checked By:	BCR

1.20



WETLAND CREATION

WETLAND RESTORATION



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Lyle Creek Mitigation Site
Catawba, North Carolina
Wetland RW1
Construction Plans

Revisions

Date: June 15, 2012
Job Number: 005-0212
Project Engineer: CDM
Drawn By: JCK
Checked By: EGR

1.21

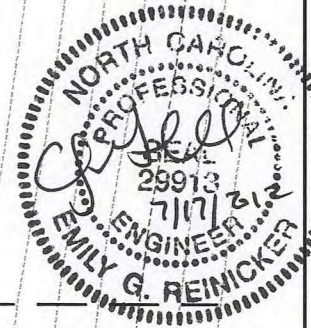
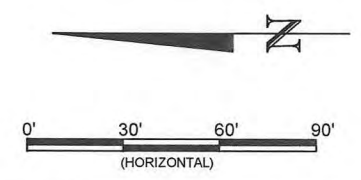
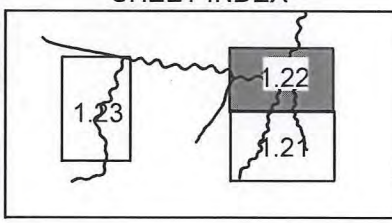


MATCHLINE - SHEET 1.21

SHEET INDEX

WETLAND CREATION

WETLAND RESTORATION



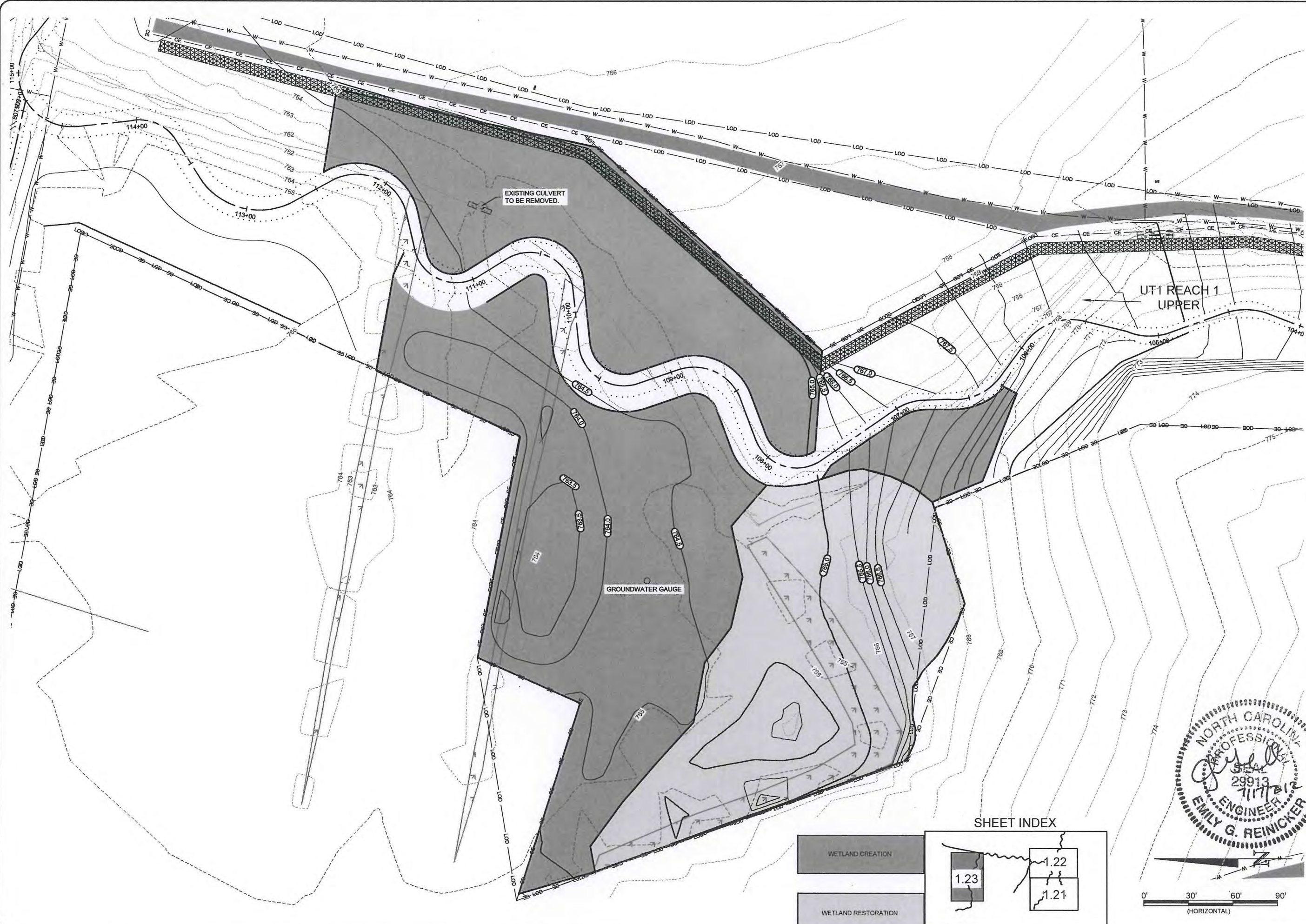
WILDLANDS
ENGINEERING
1430 South Mint Street, Suite 104
Charlotte, NC 28203
Tel: 704.332.7754
Fax: 704.332.3906
Firm License No. P-0831

Lyle Creek Mitigation Site
Catawba, North Carolina
Wetland RWI
Construction Plans

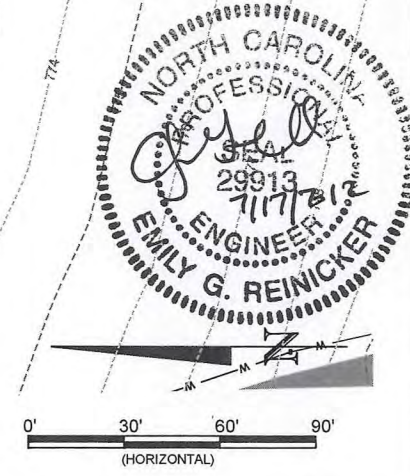
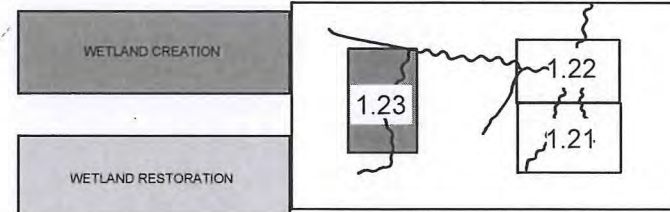
Revisions

Date: June 15, 2012
Job Number: 006-0212
Project Engineer: CDM
Drawn By: JCK
Checked By: JGR

1.22



SHEET INDEX



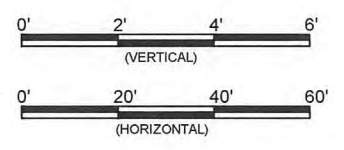
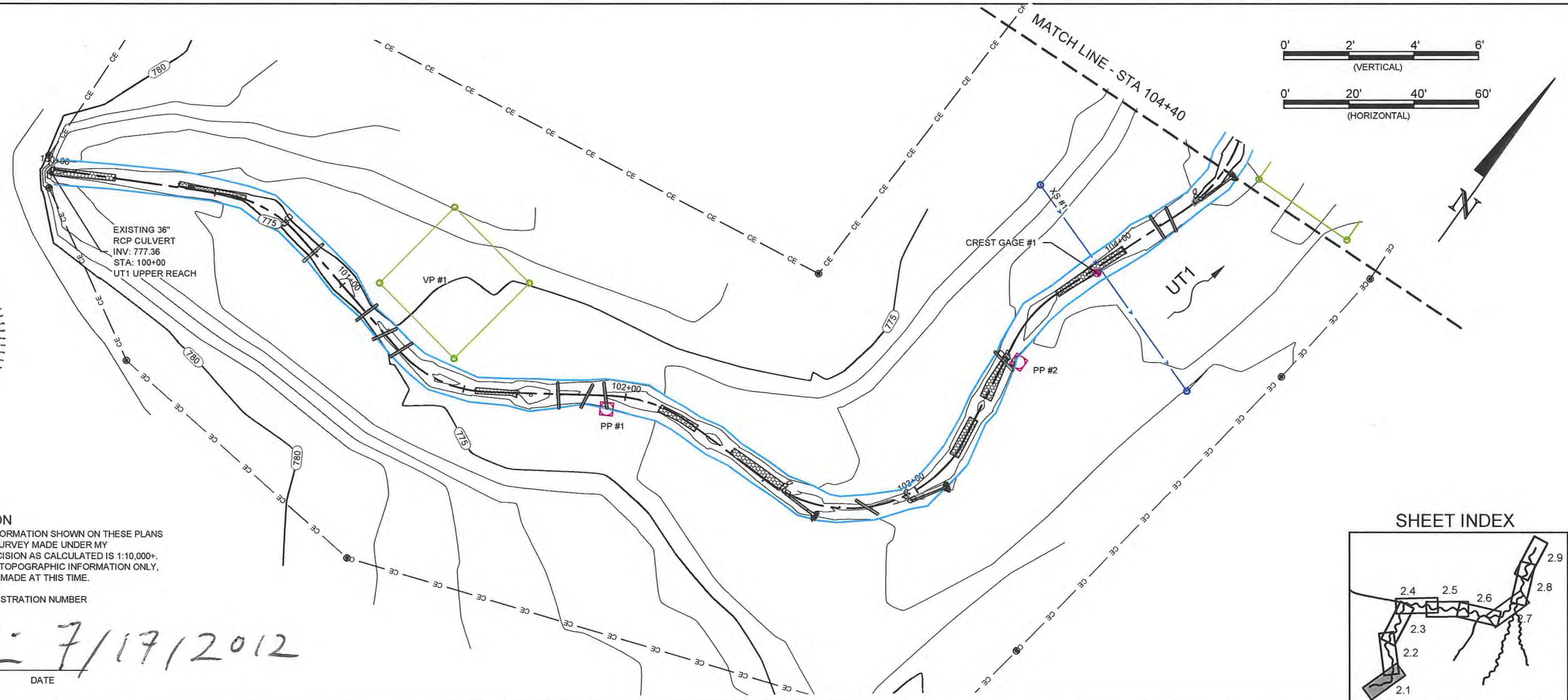
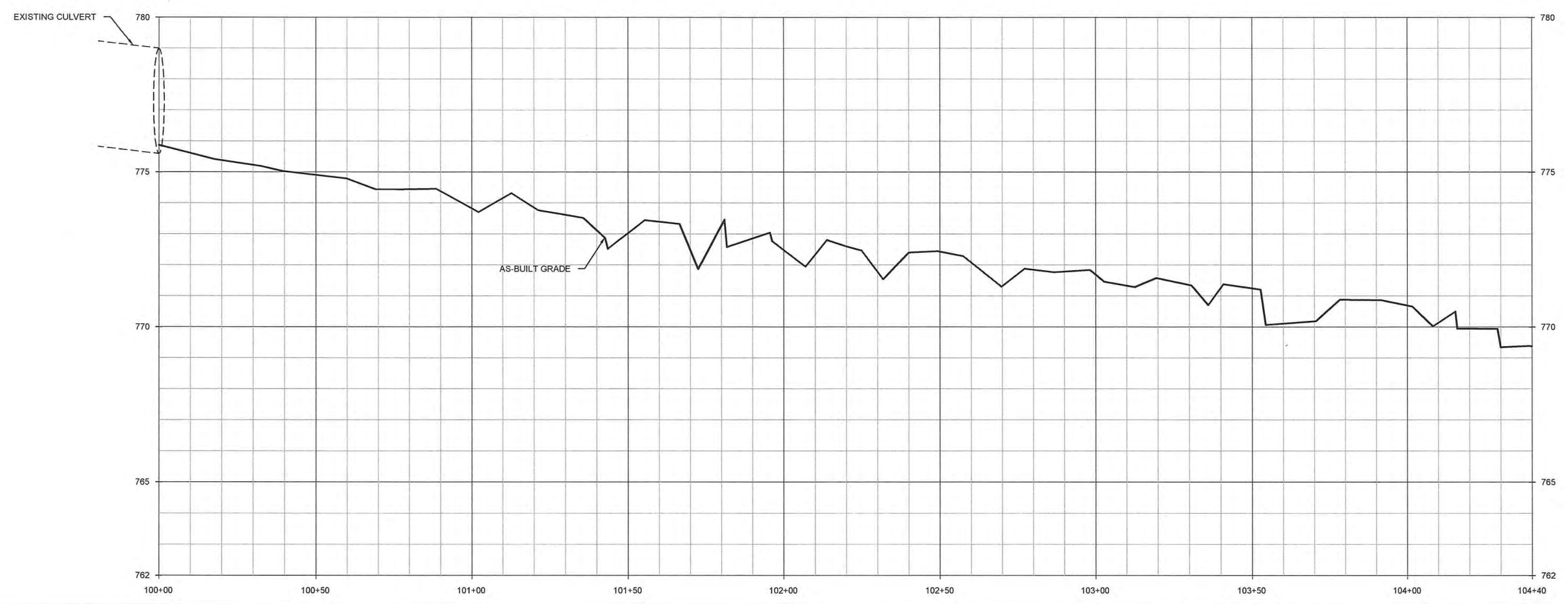
Lyle Creek Mitigation Site
Catawba, North Carolina
Wetland RW2
Construction Plans

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ENGINEERING
1430 South Mint Street, Suite 104
Charlotte, NC 28203
Tel: 704.332.3306
Firm License No. F-0831

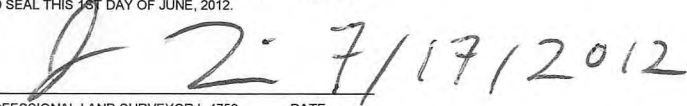
Date:	June 15, 2012
Job Number:	005-0213
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	EGK

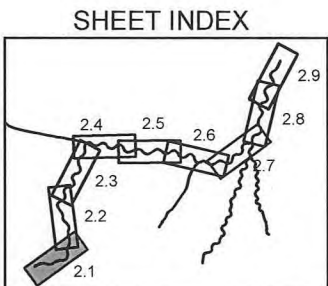
1.23

Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 As-Built Plans UT1 Reach 1 Upper



SURVEYOR'S CERTIFICATION
 I, JOHN B. PRIMM, CERTIFY THAT THE INFORMATION SHOWN ON THESE PLANS WAS DERIVED FROM AN ACTUAL FIELD SURVEY MADE UNDER MY SUPERVISION, THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10,000+. THE PURPOSE OF THIS SURVEY IS FOR TOPOGRAPHIC INFORMATION ONLY. NO BOUNDARY DETERMINATIONS WERE MADE AT THIS TIME.

WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 1ST DAY OF JUNE, 2012.

 PROFESSIONAL LAND SURVEYOR L-4756 DATE



Date:	June 15, 2012
Job Number:	0015-02121
Project Engineer:	CDM
Drawn By:	J/C/K
Checked By:	EDR

2.1

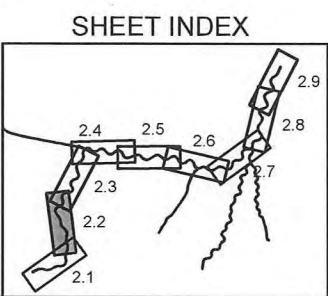
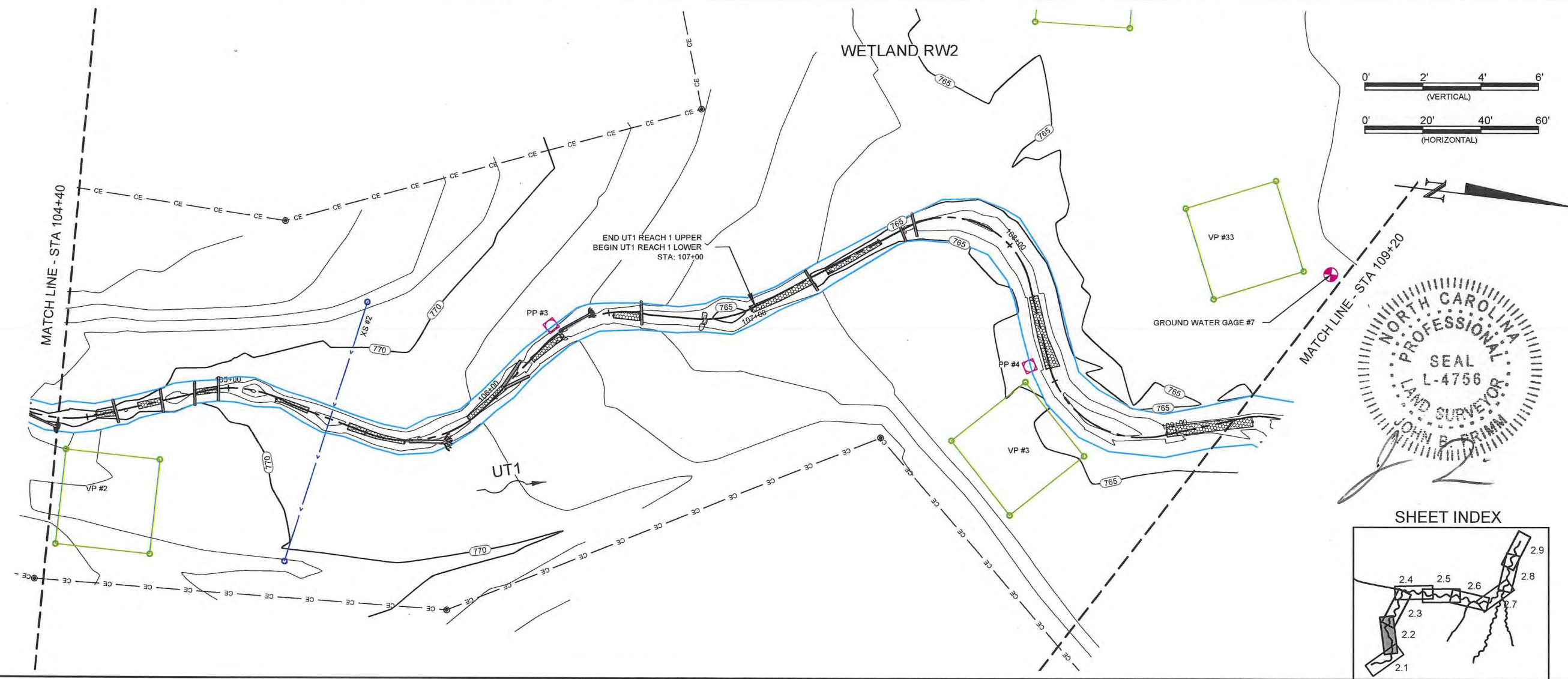
Lyle Creek Mitigation Site
Catawba, North Carolina

Stream Plan and Profile
 As-Built Plans UT1 Reach 1 Upper and Lower

Revisions:

Date: June 15, 2012
 Job Number: 005-02123
 Project Engineer: CDM
 Drawn By: JCK
 Checked By: ECR

2.2

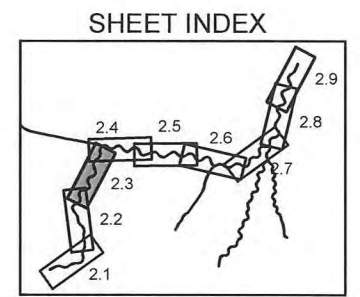
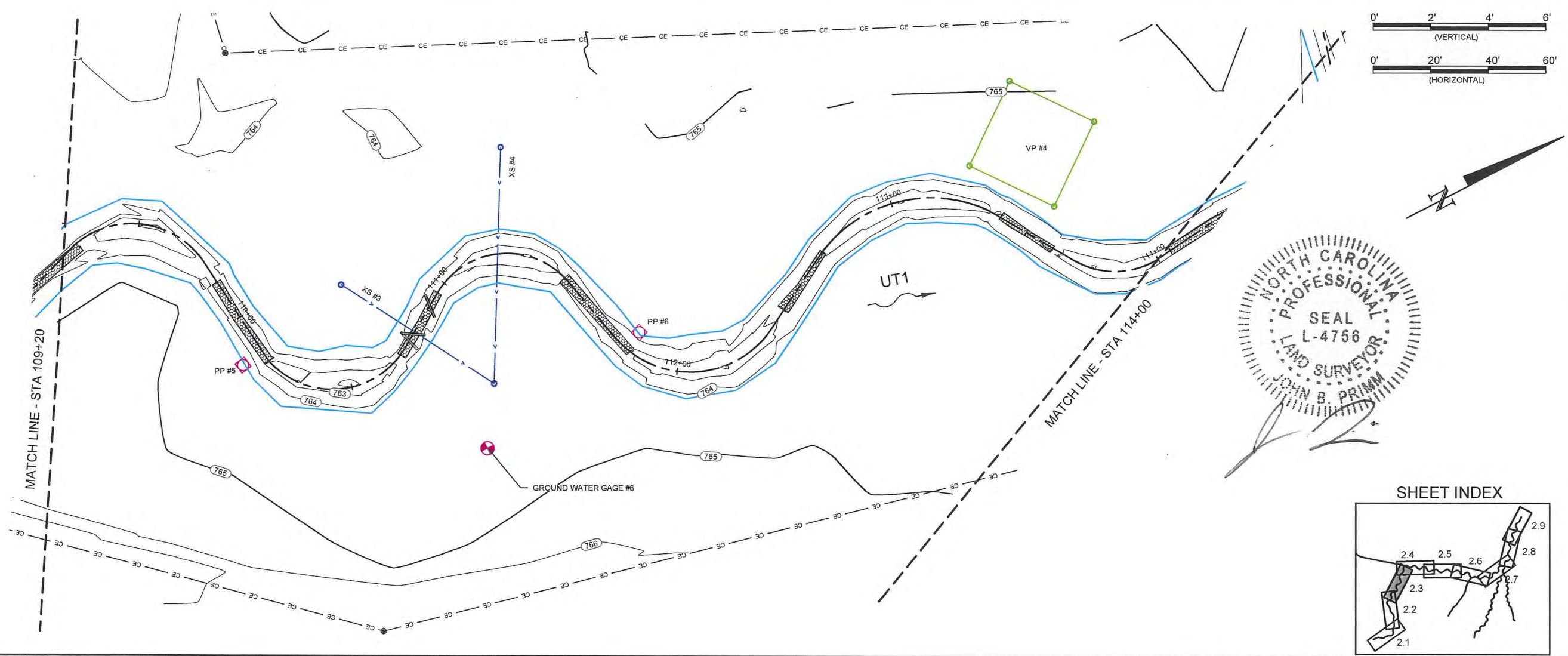
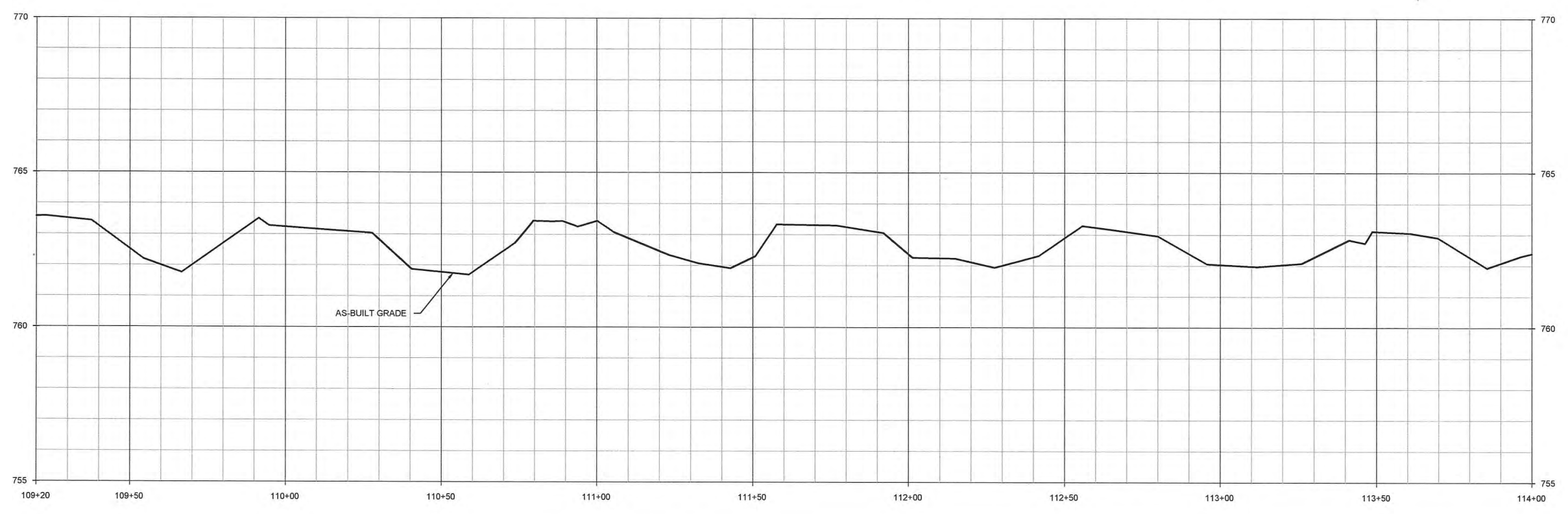


Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 As-Built Plans UT1 Reach 1 Lower

Revisions:	

Date:	June 15, 2012
Job Number:	008-0212
Project Engineer:	CJM
Drawn By:	JCK
Checked By:	ECB

2.3

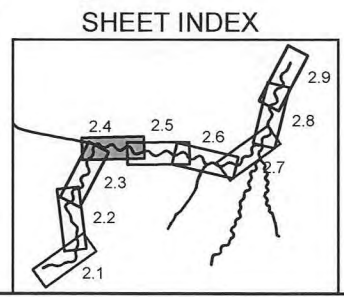
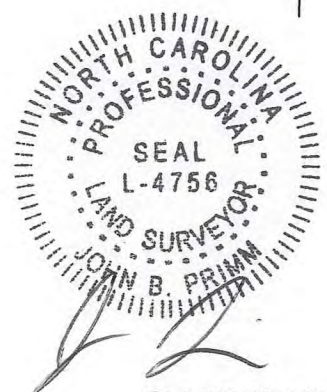
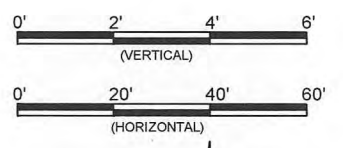
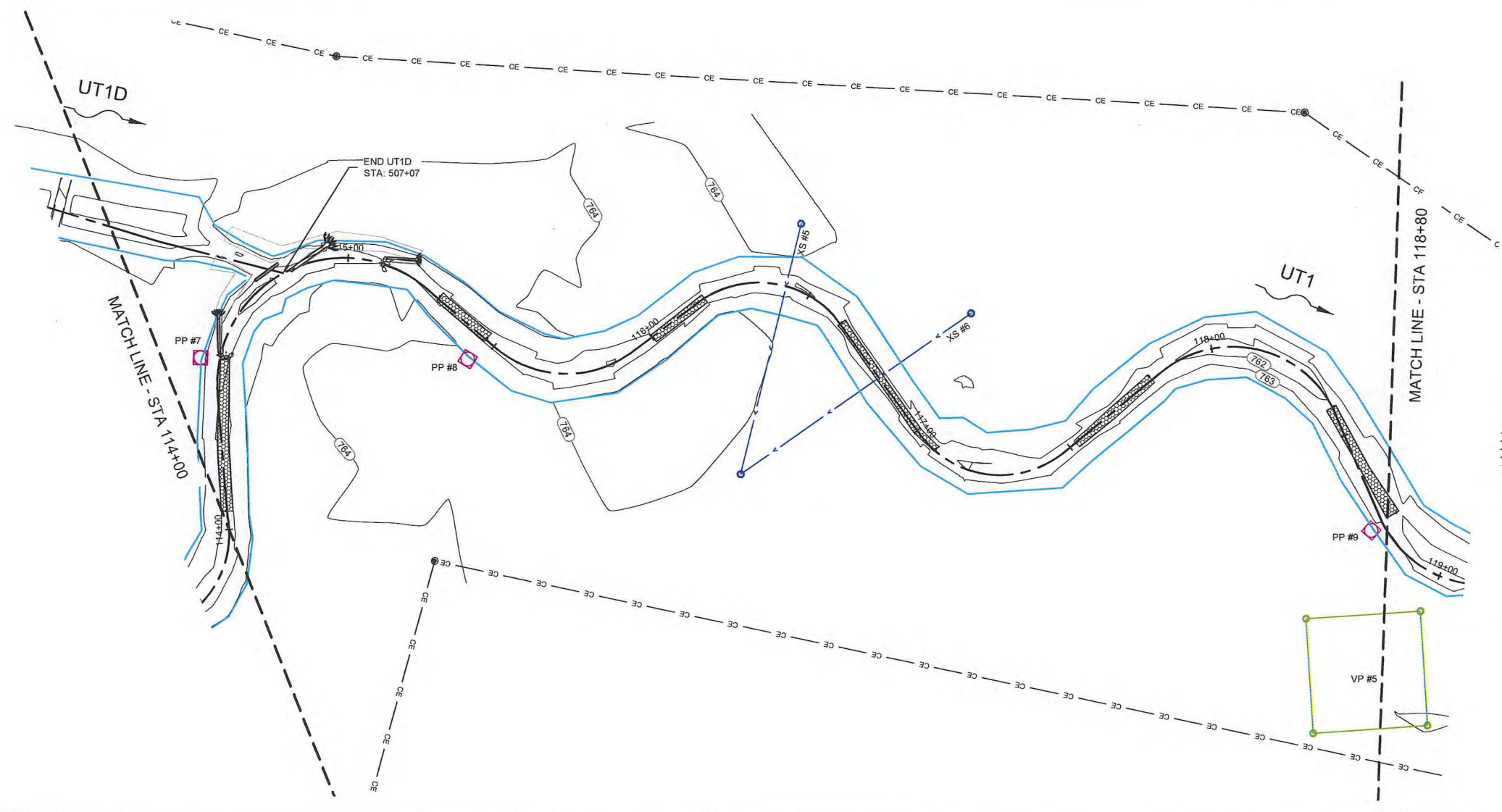
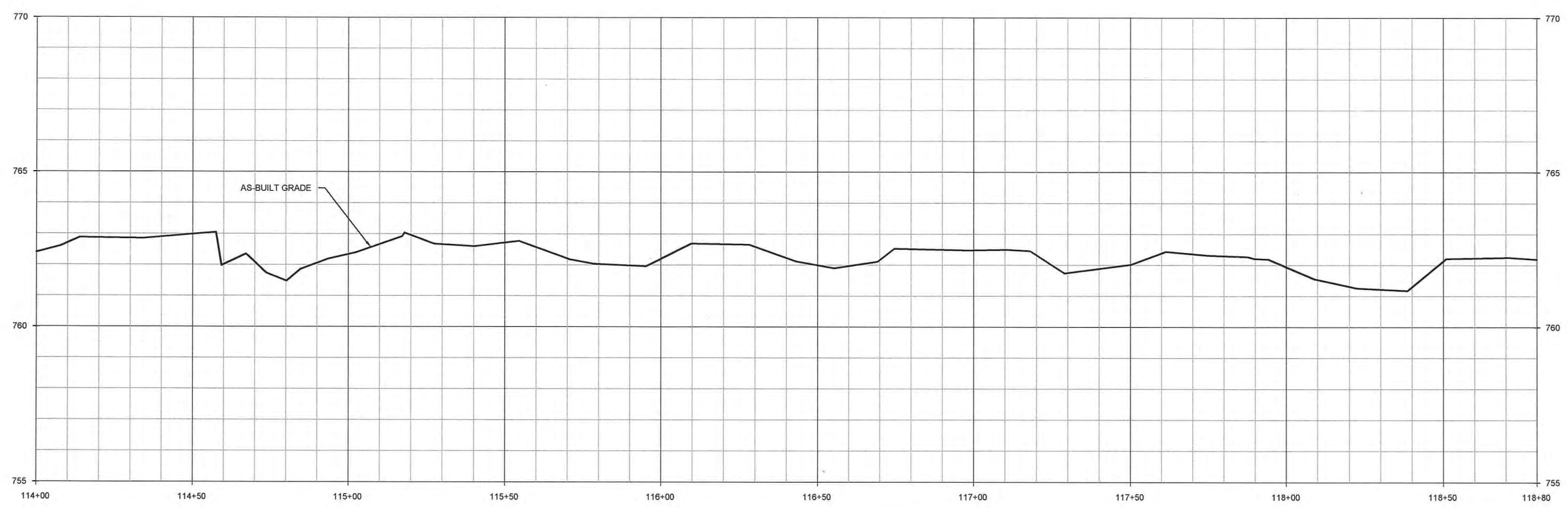


Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 As-Built Plans UT1 Reach 1 Lower

Revisions:

Date:	June 15, 2012
Job Number:	065-0213
Project Engineer:	CTM
Drawn By:	JCK
Checked By:	IGR

2.4

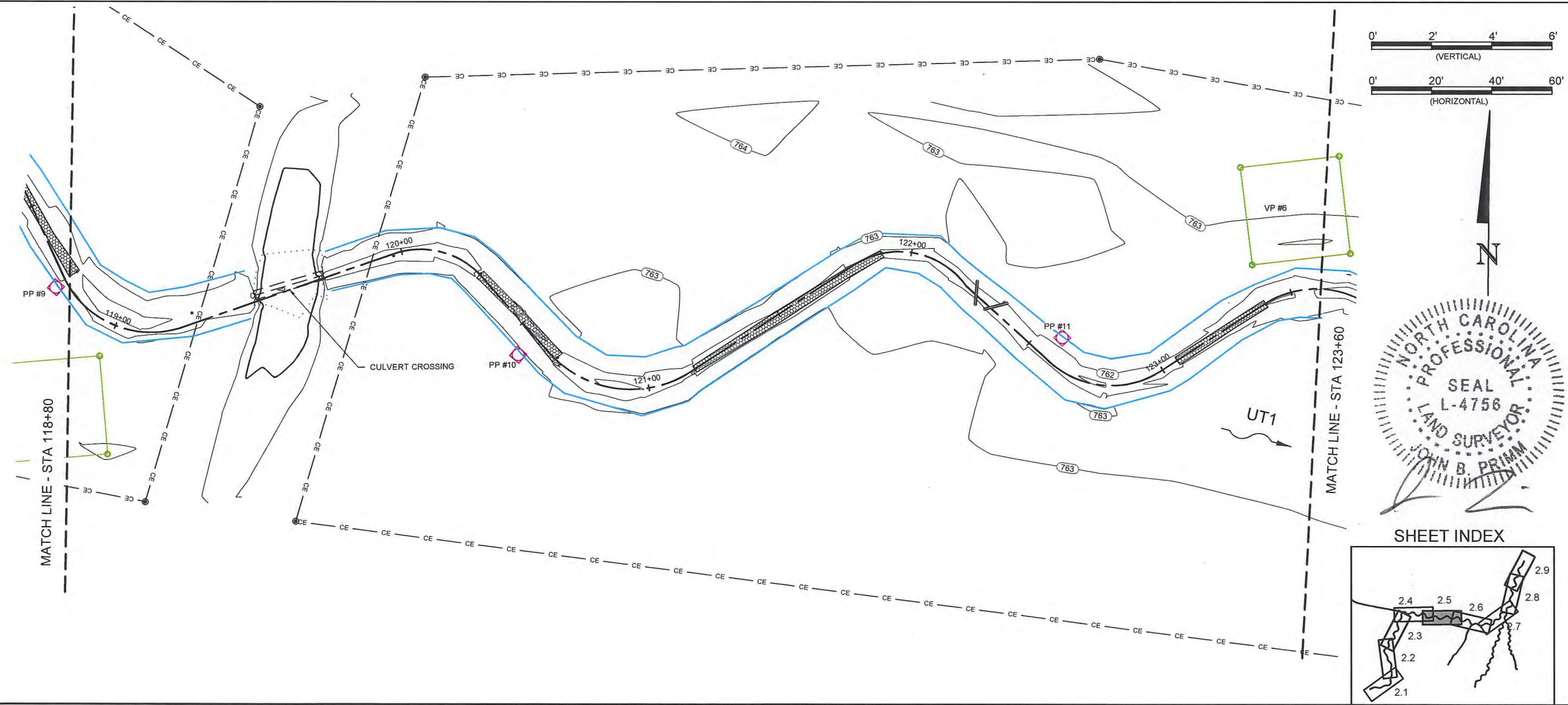
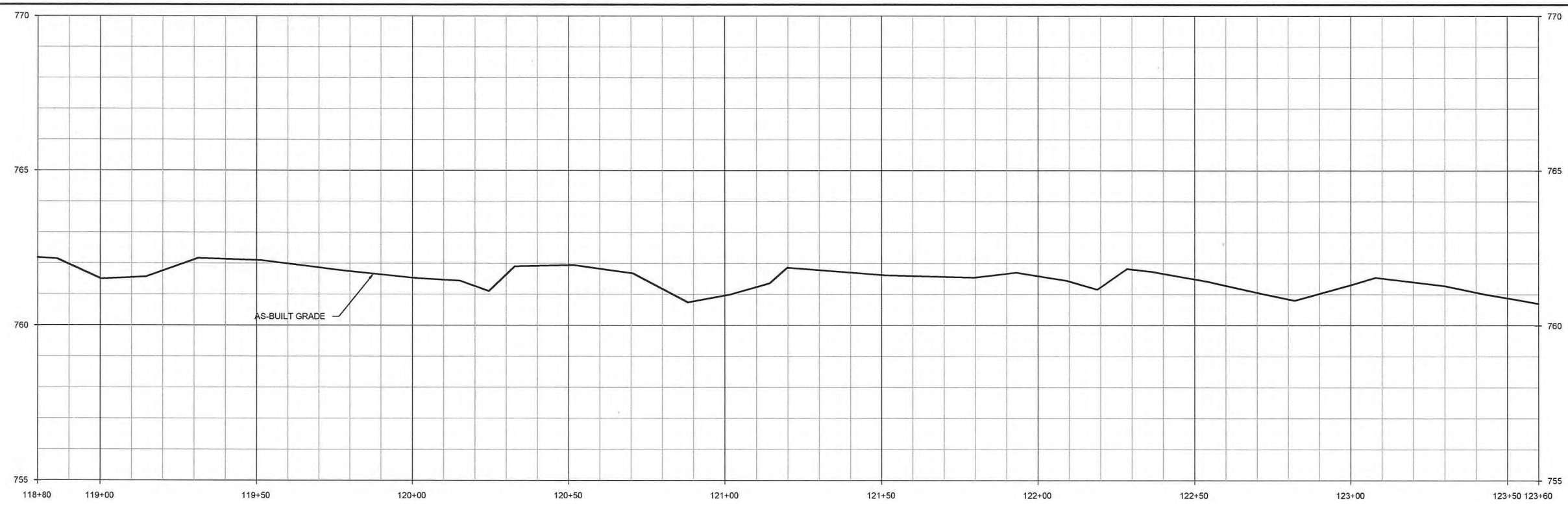


Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 As-Built Plans UT1 Reach 1 Lower

Revisions:

Date: June 18, 2012
 Job Number: 095-02123
 Project Engineer: CDM
 Drawn By: JCK
 Checked By: EGR

2.5



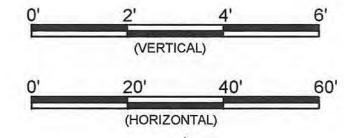
Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 As-Built Plans UT1 Reach 1 Lower

Date:	June 15, 2012
Job Number:	095-02123
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	EGR

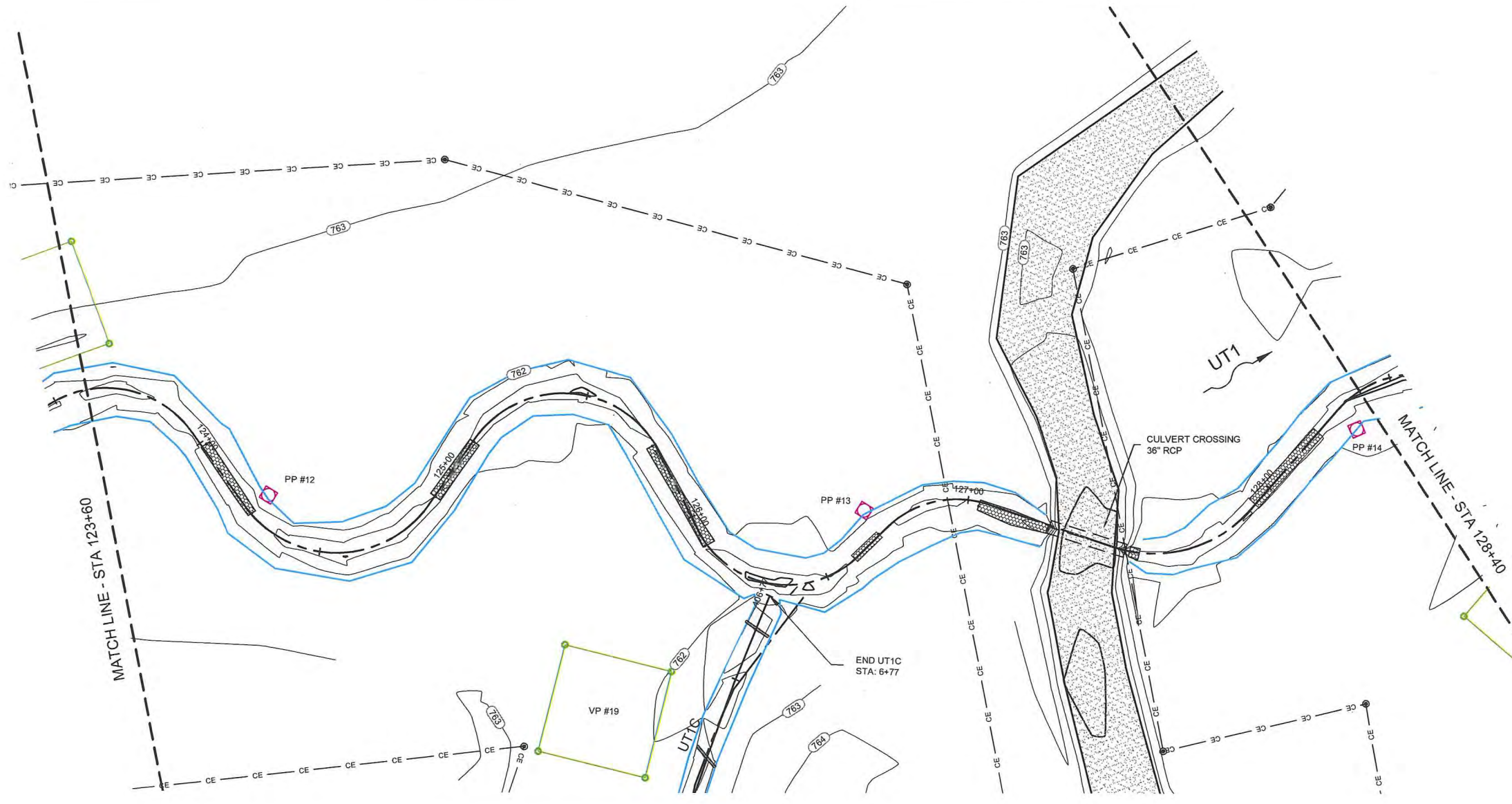
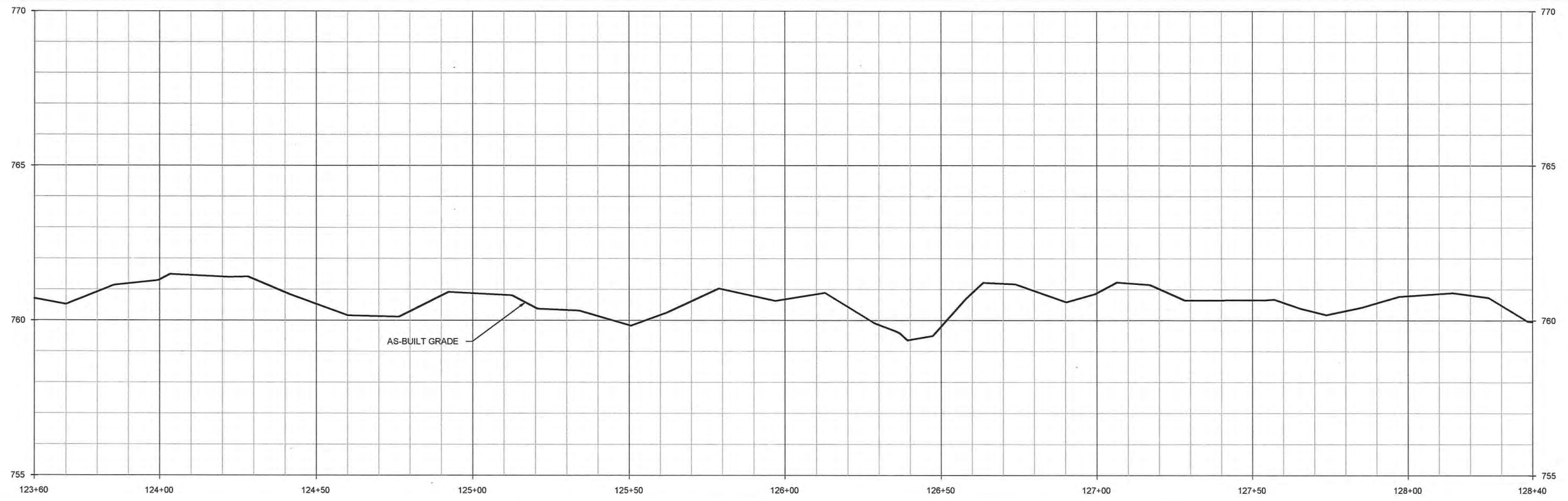
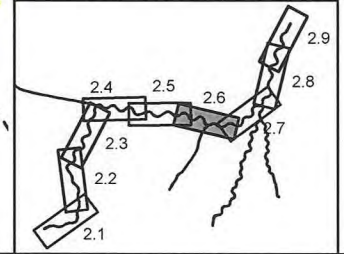
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Final As-Built Plans

Revisions:



SHEET INDEX



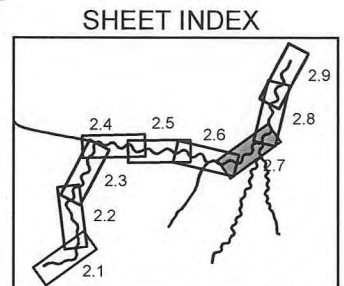
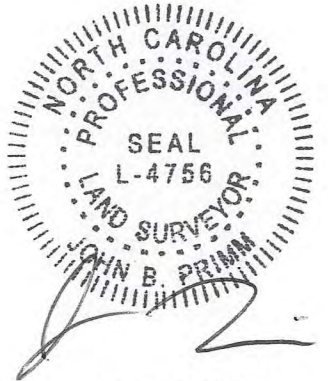
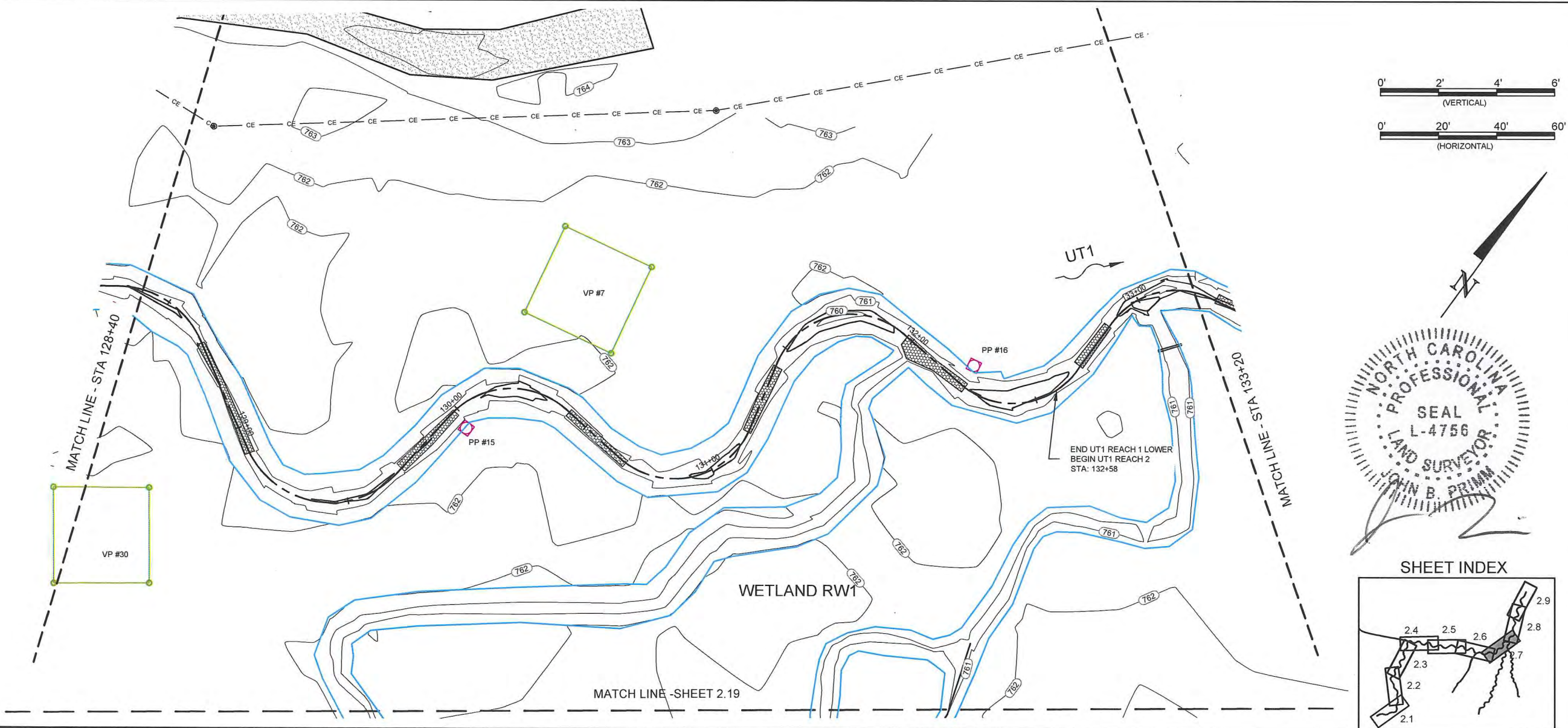
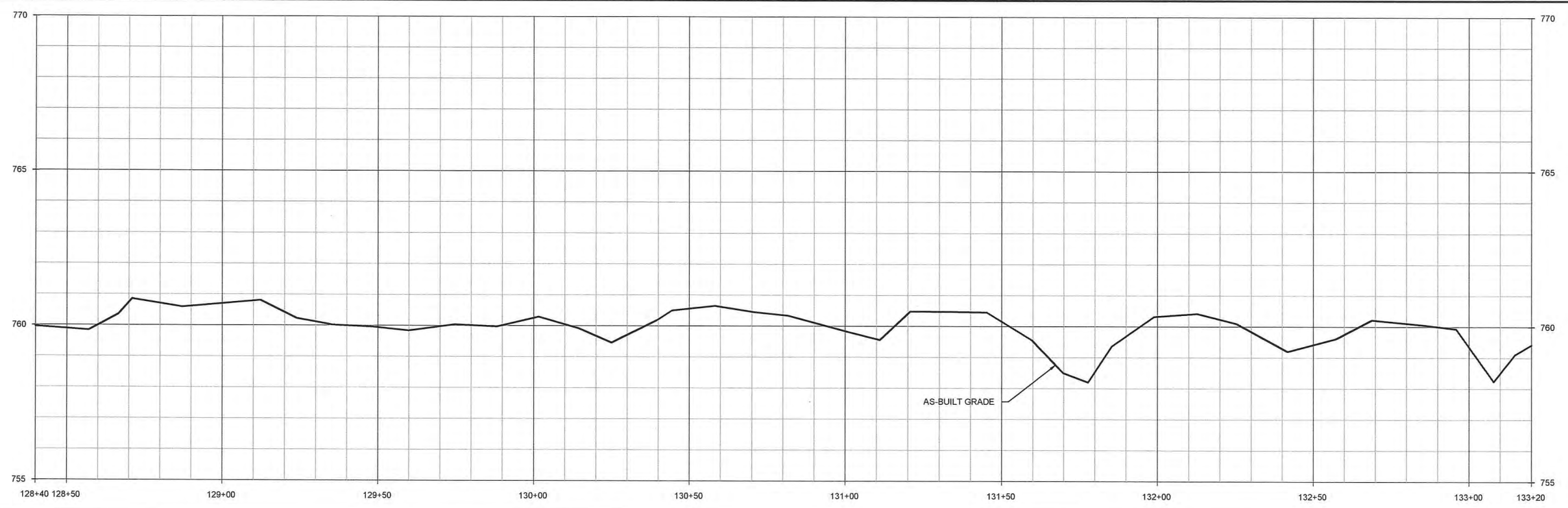
J. Primm

Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 As-Built Plans UT1 Reach 1 Lower

Revisions:

Date:	June 15, 2012
Job Number:	005-0323
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	EGK

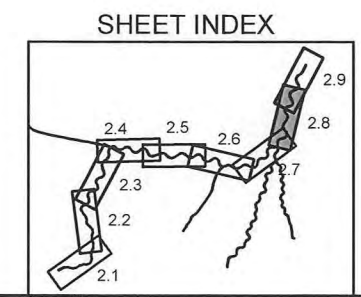
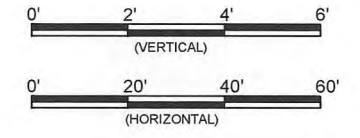
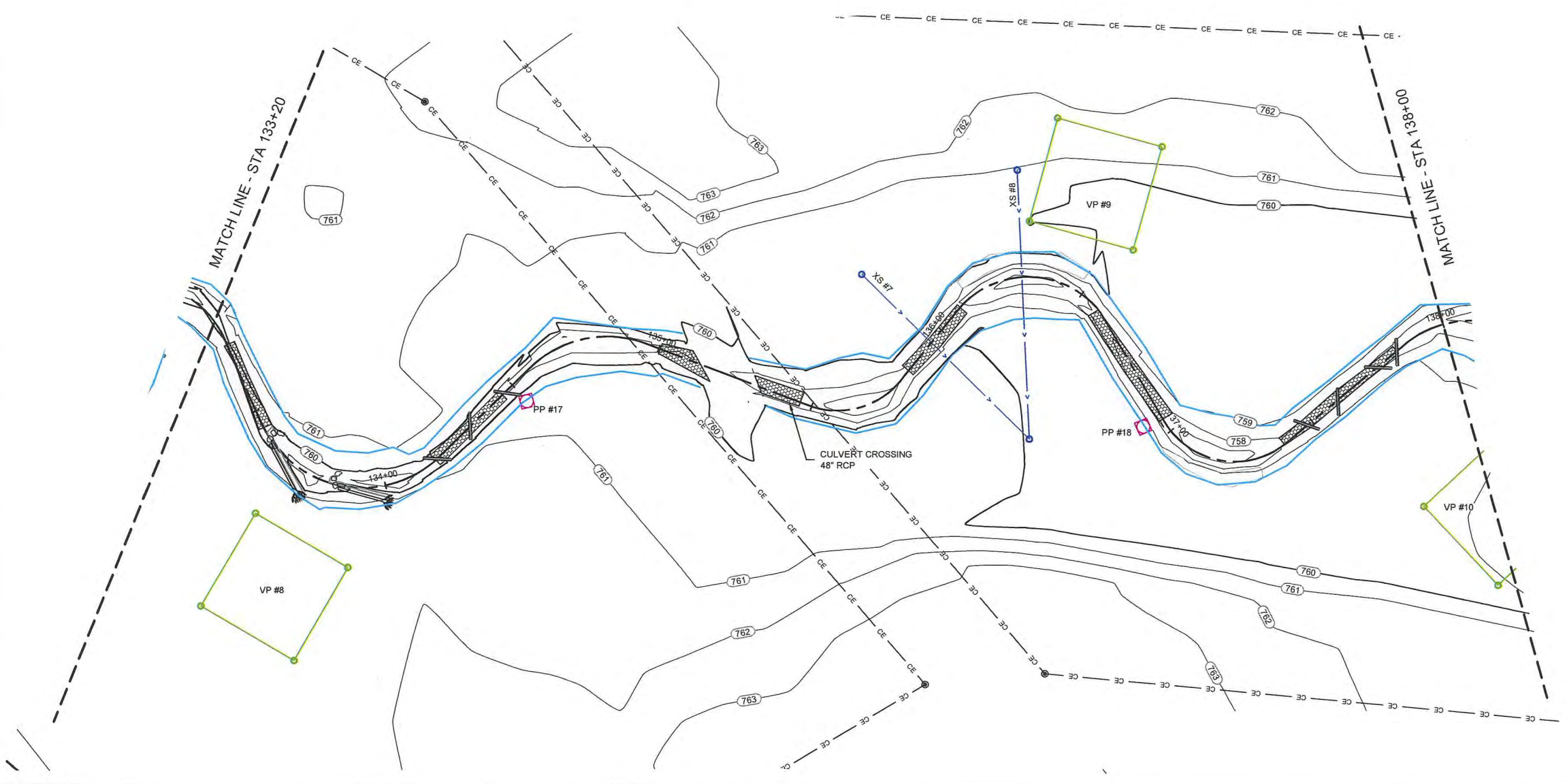
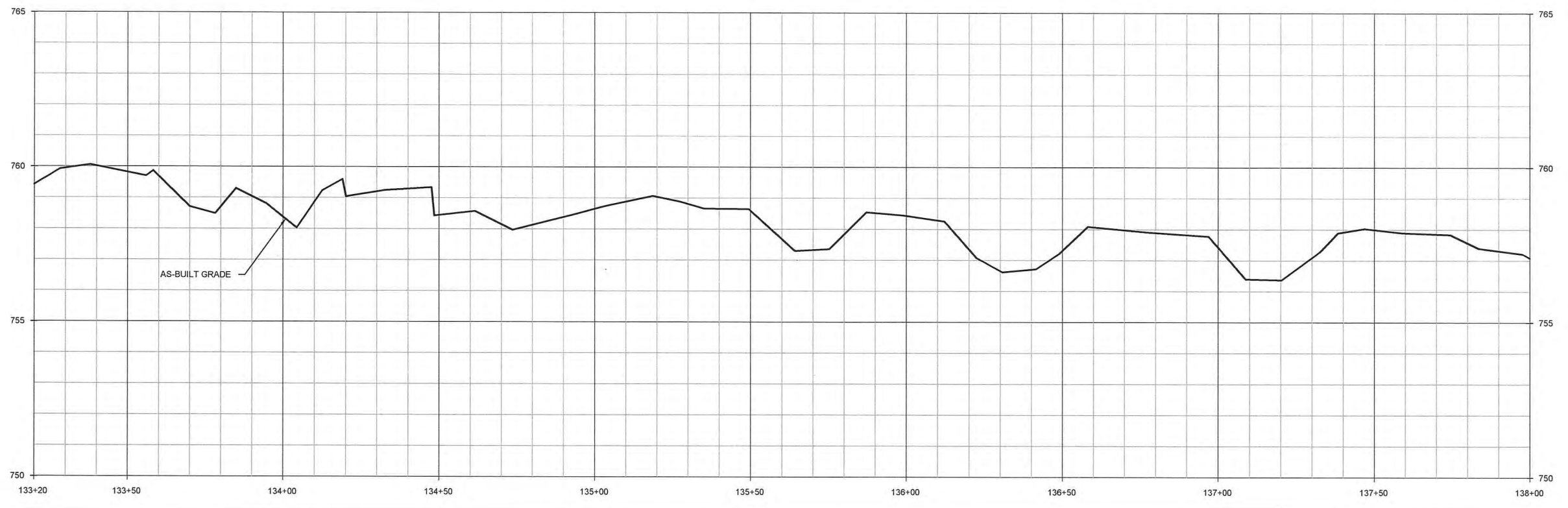
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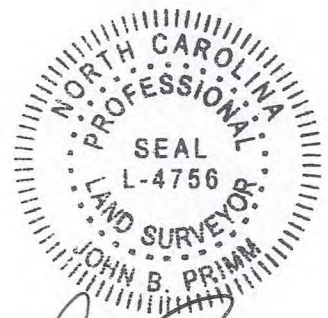
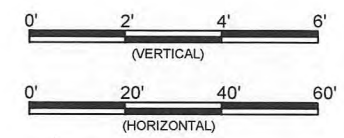
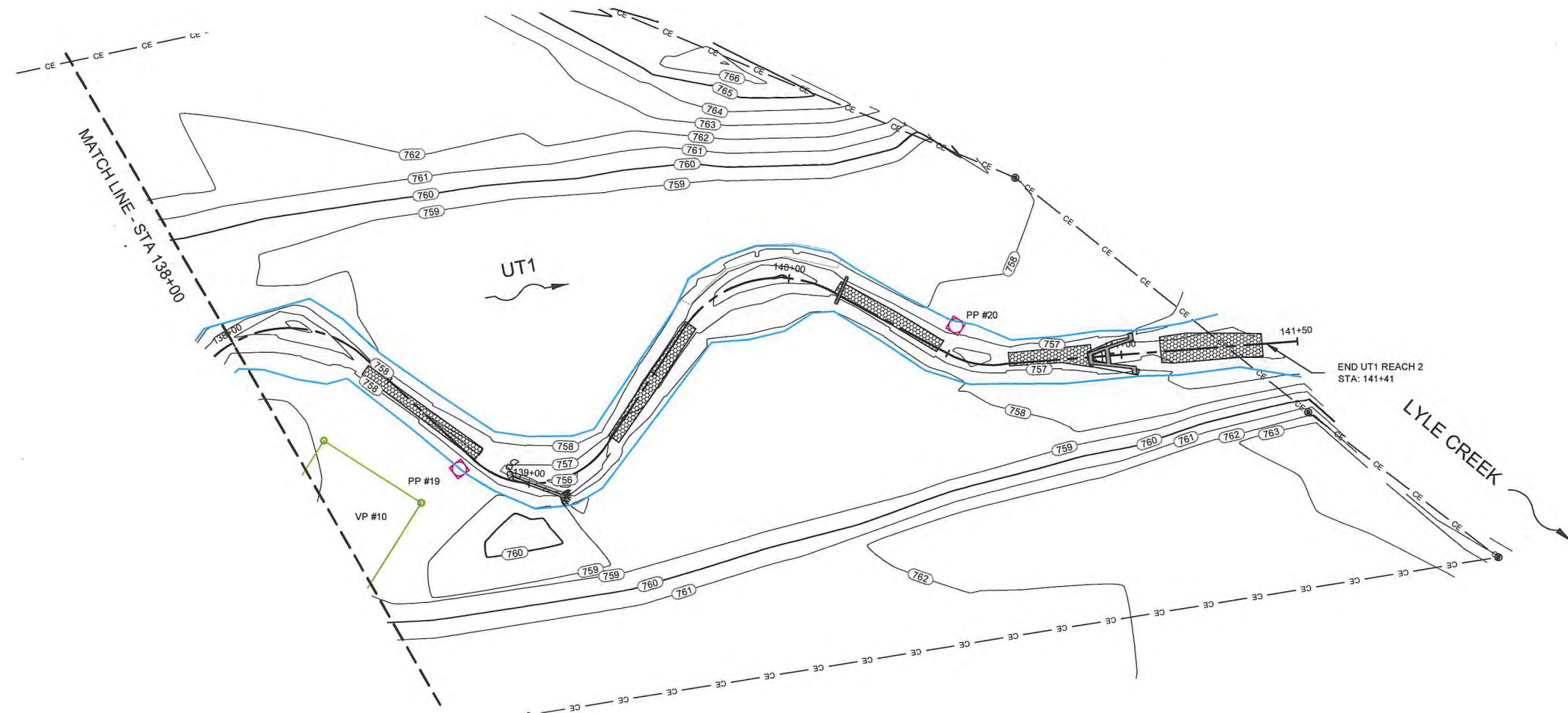
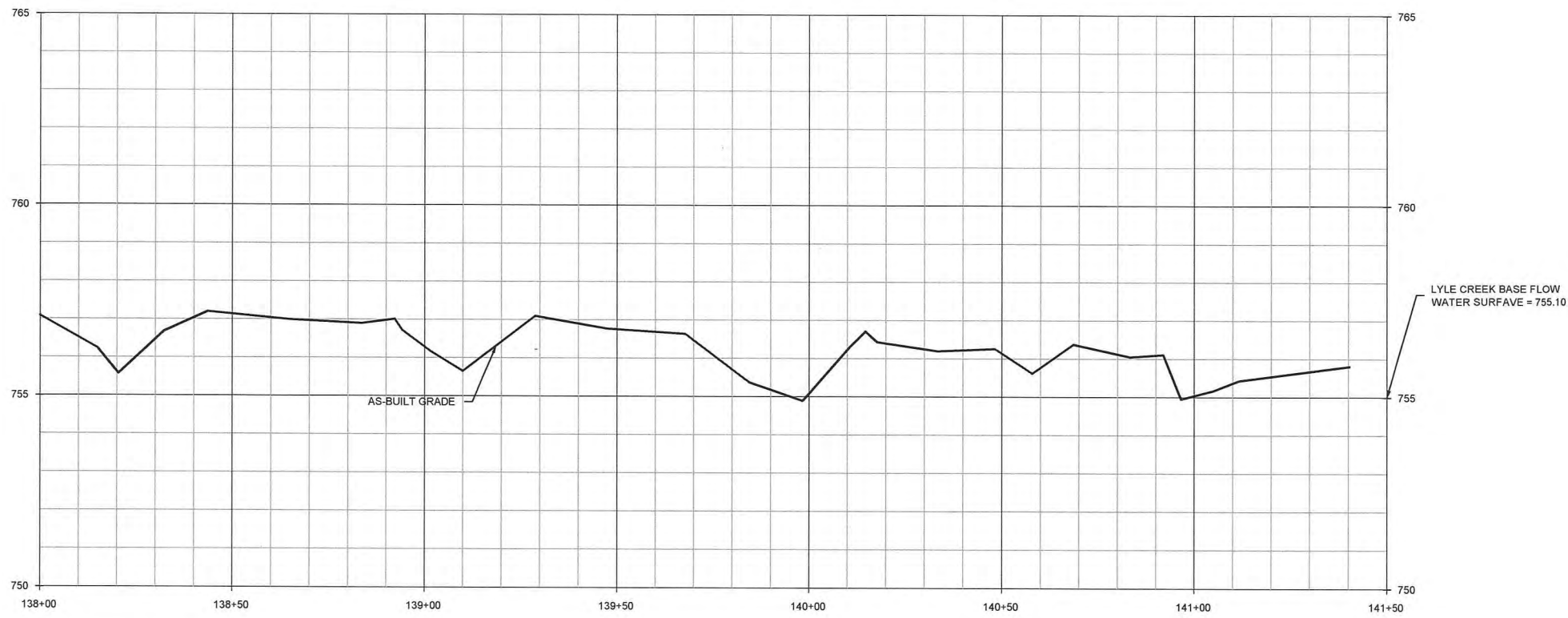


Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 As-Built Plans UT1 Reach 2

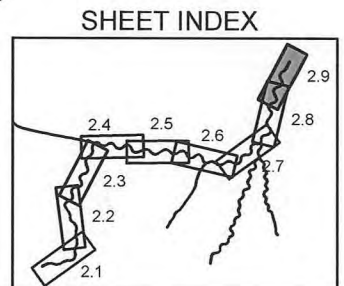
Date:	June 15, 2012
Job Number:	005-0212
Project Engineer:	CTDM
Drawn By:	JCS
Checked By:	ECR

2.8





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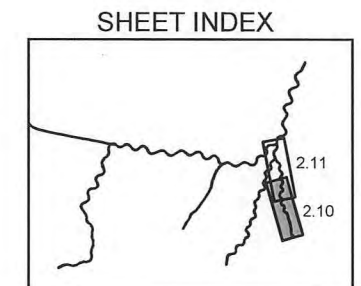
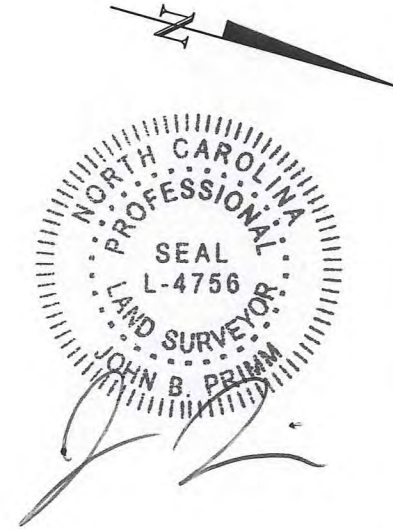
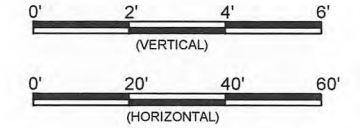
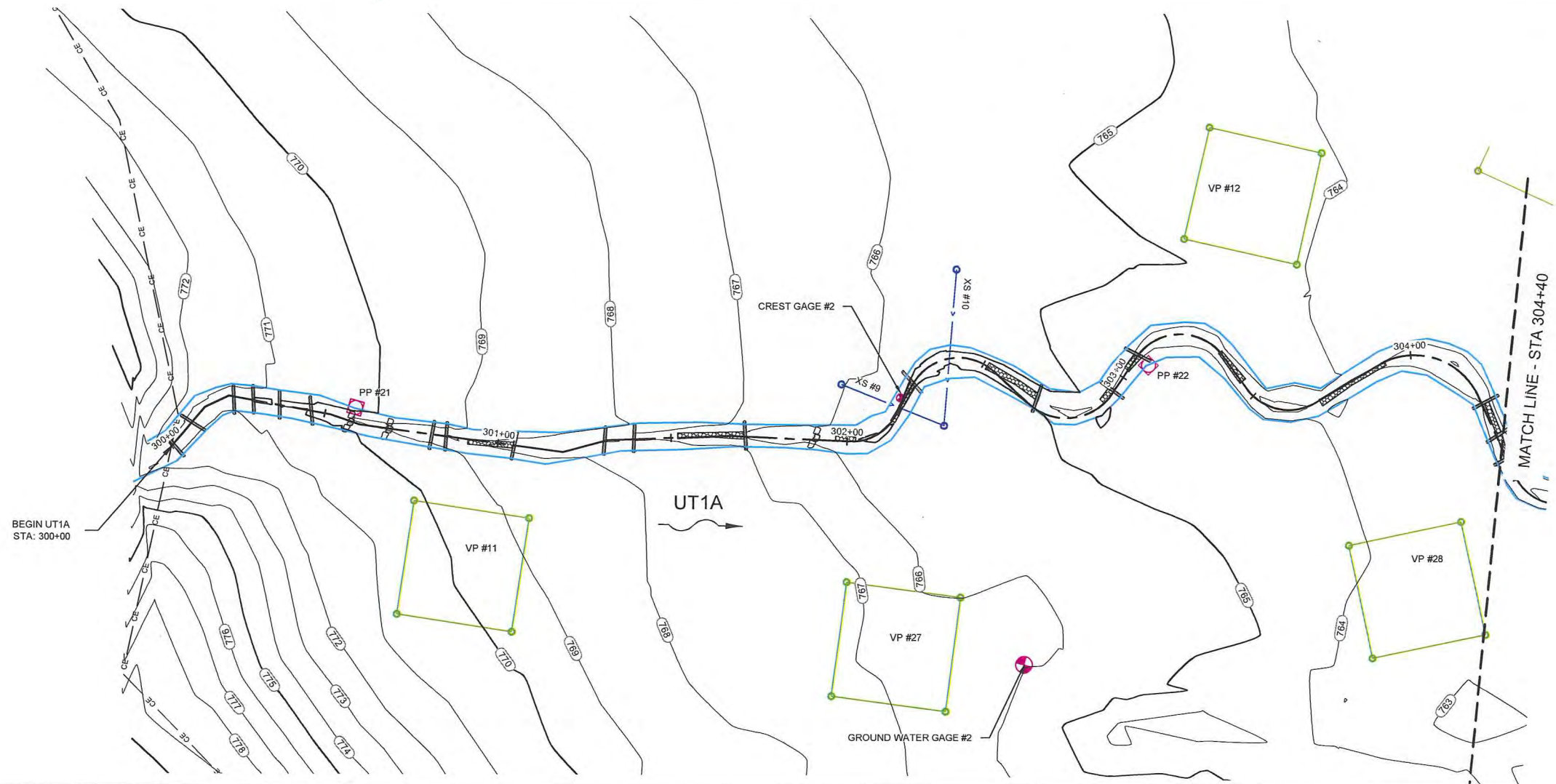
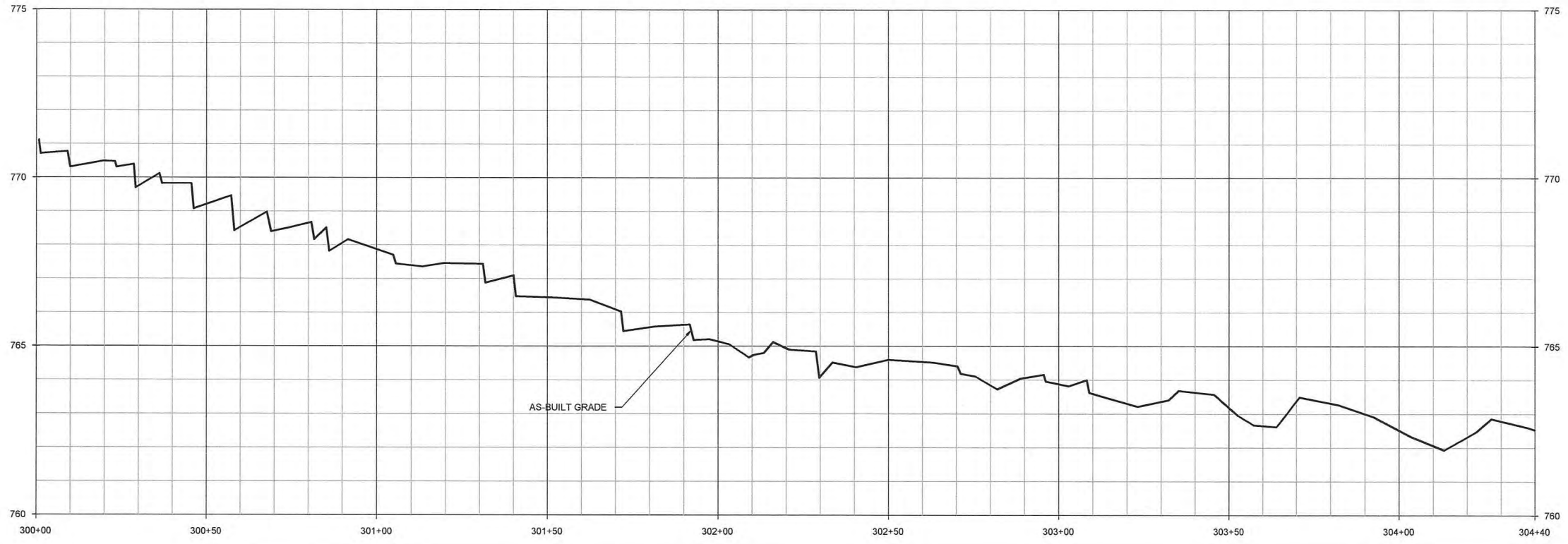
Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 As-Built Plans UT1 Reach 2

Revisions:

Date:	June 15, 2012
Job Number:	095-0012
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	EGR

2.9

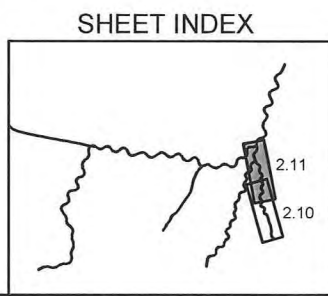
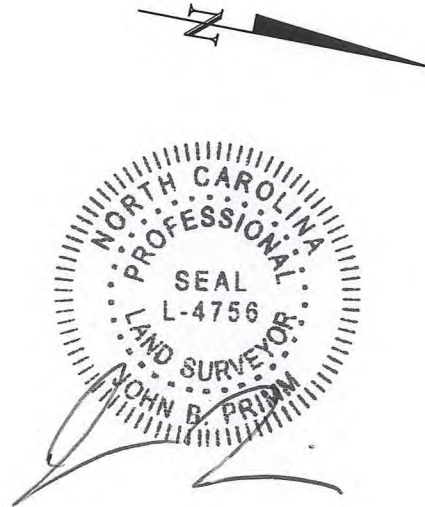
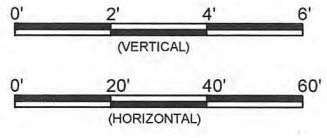
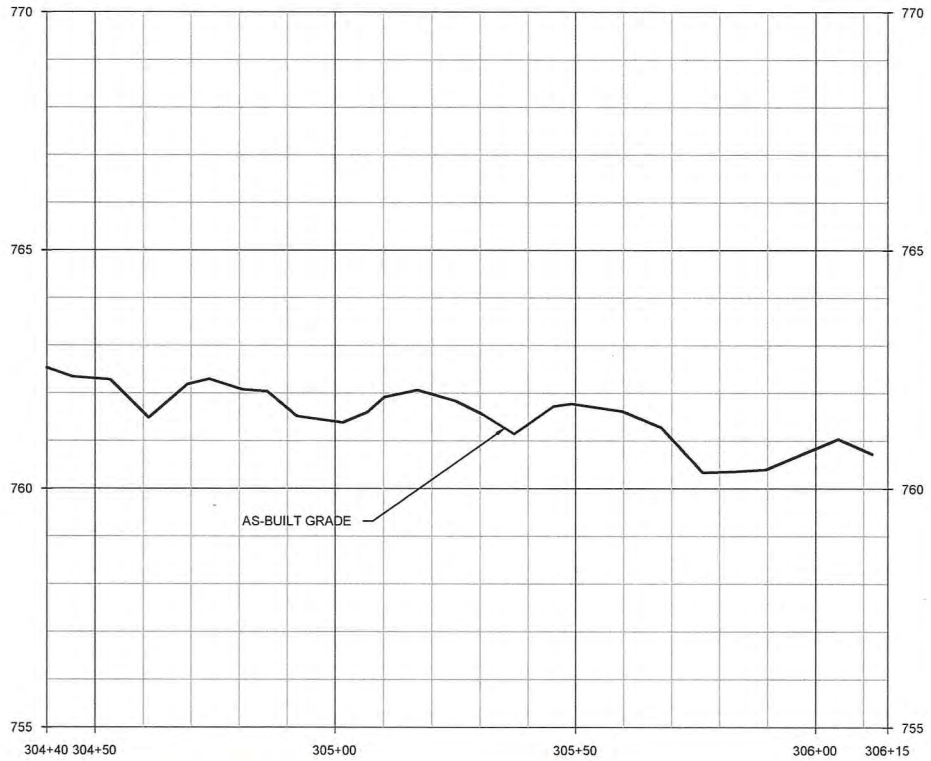
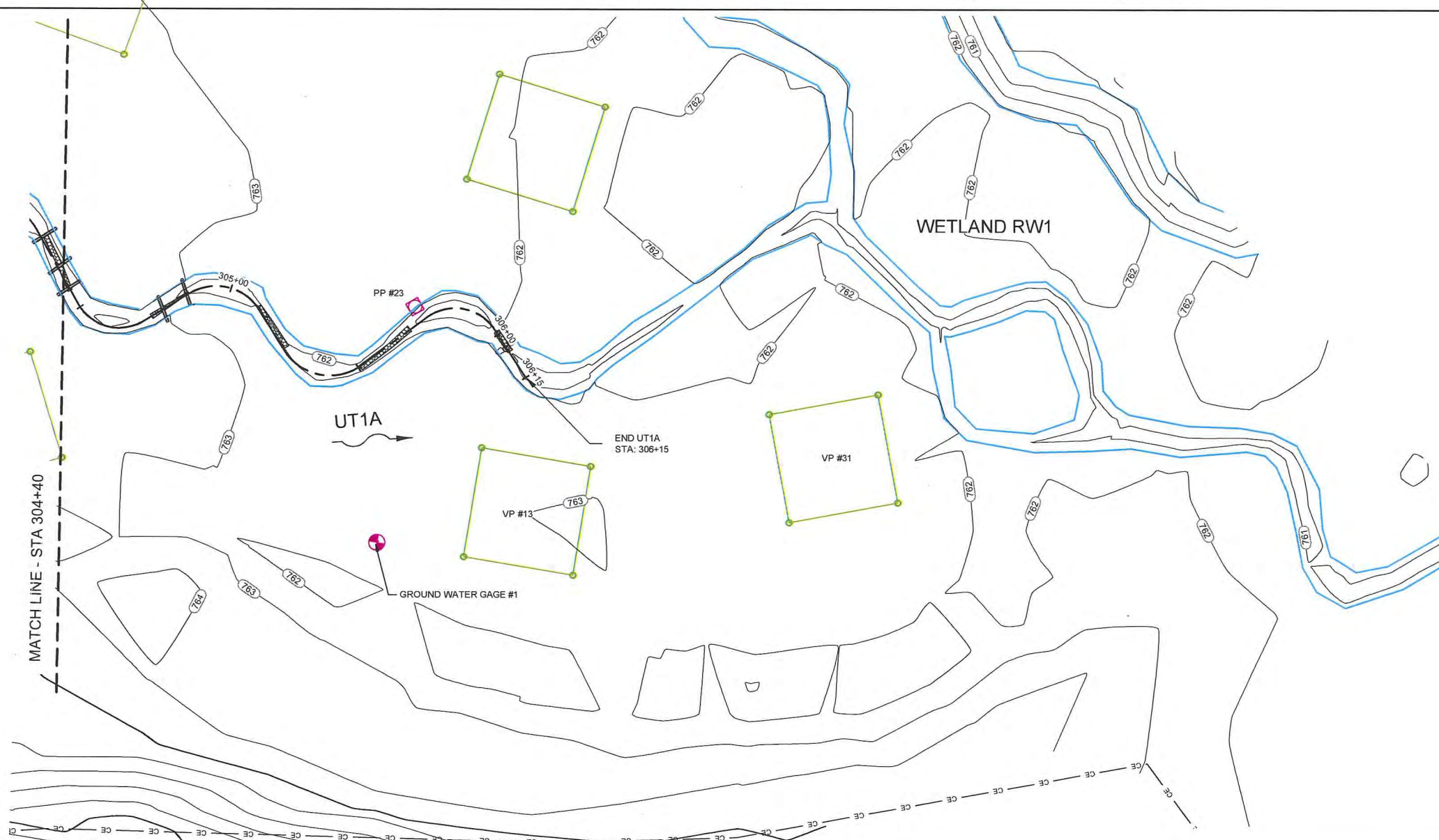
Lyle Creek Mitigation Site
Catawba, North Carolina
Stream Plan and Profile
As-Built Plans UT1A



Revision	Description

Date:	June 15, 2012
Job Number:	005-02123
Project Engineer:	CTDAI
Drawn By:	JCK
Checked By:	EGK

2.10



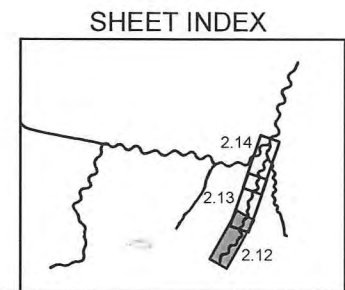
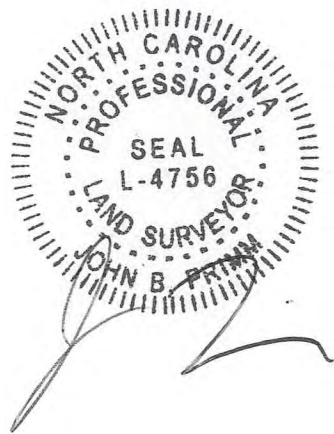
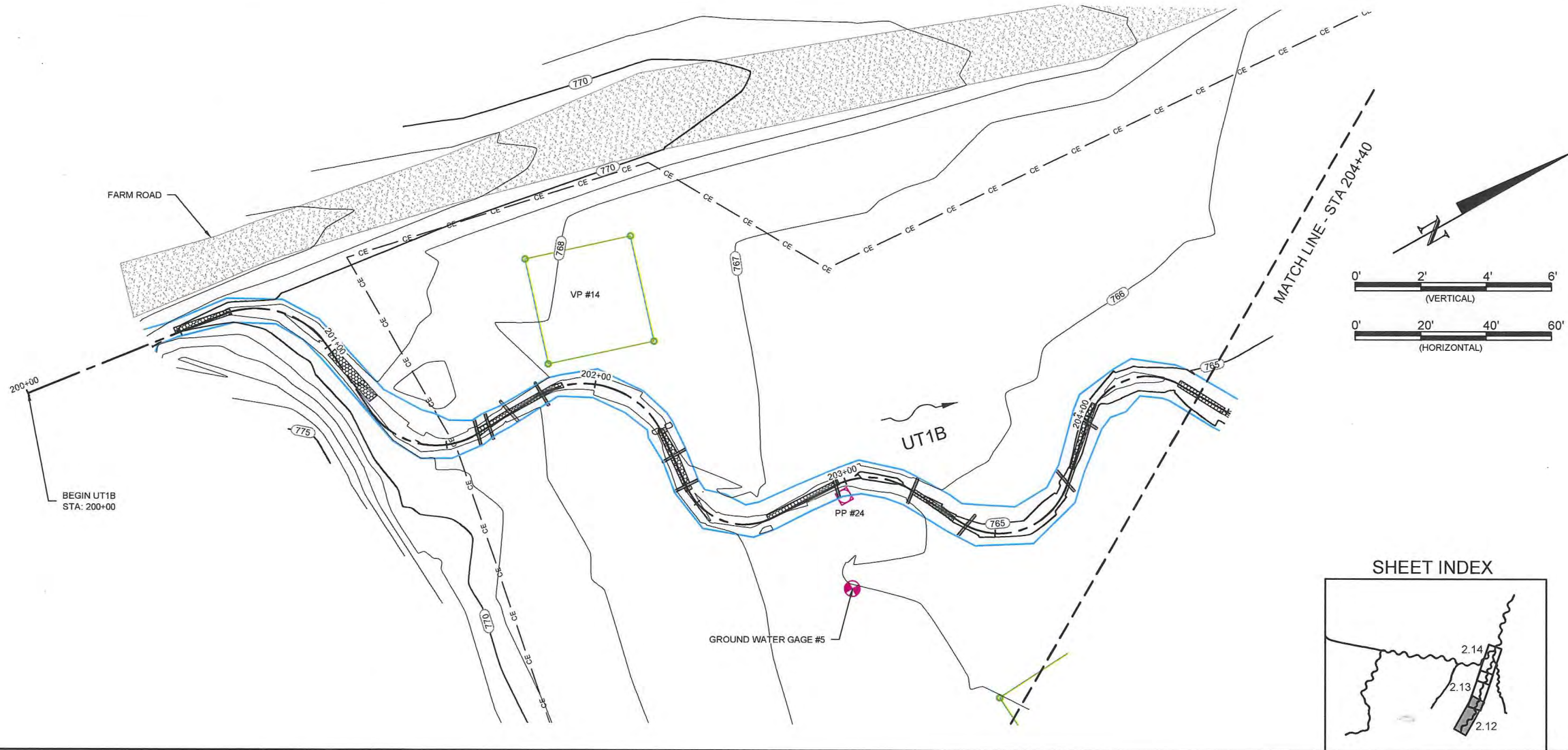
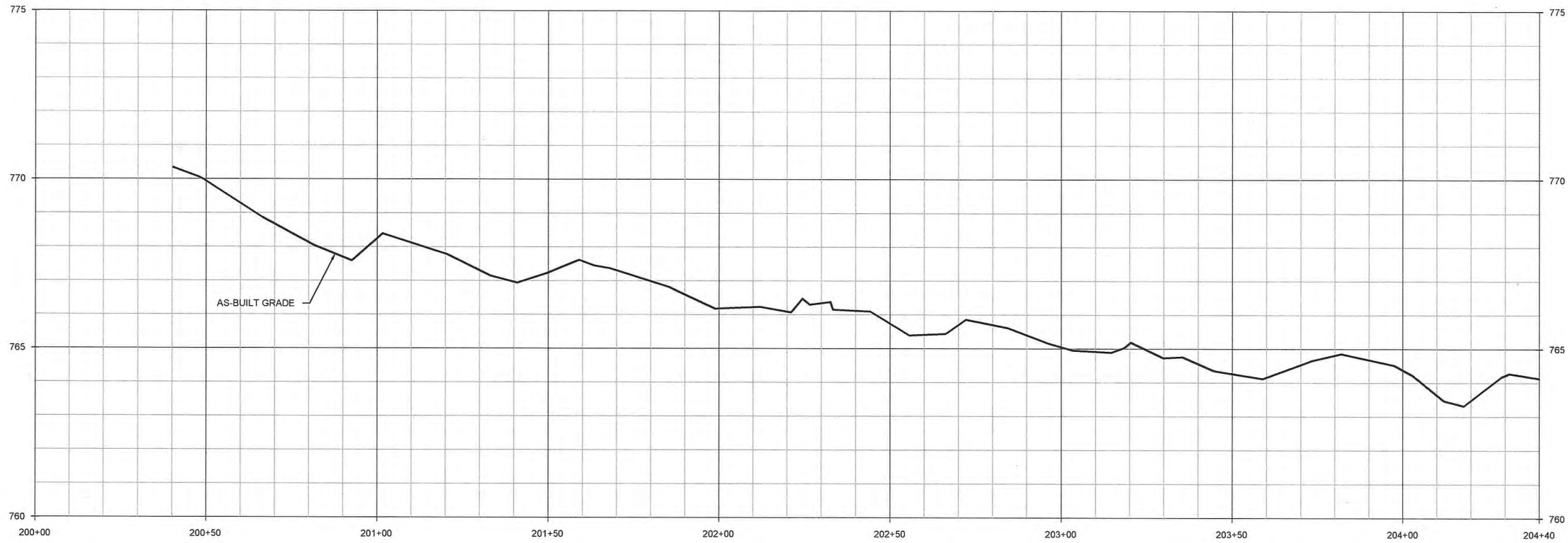
Lyle Creek Mitigation Site
Catawba, North Carolina
Stream Plan and Profile
As-Built Plans UT1A

Revisions:

Date:	June 15, 2012
Job Number:	095-02123
Project Engineer:	CTDM
Drawn By:	JCK
Checked By:	EGR

2.11

Sheet



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 ENGINEERING
 1430 South Mint Street, Suite 104
 Catawba, NC 28609
 Cell: 704.332.7755
 Fax: 704.332.3306
 Firm License No. E-0831

Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 As-Built Plans UT1B

Revision

Date: June 15, 2012
 Job Number: 006-0022
 Project Engineer: CDML
 Drawn By: JCK
 Checked By: EGR

2.12

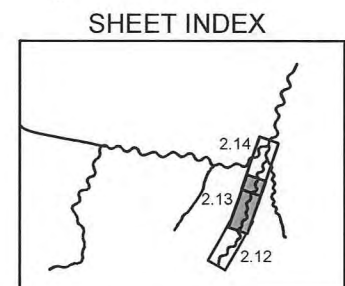
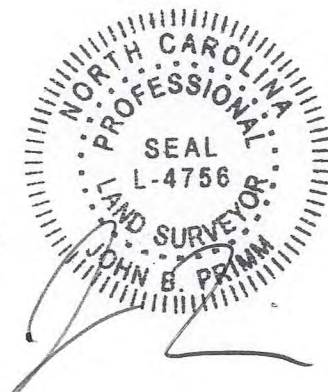
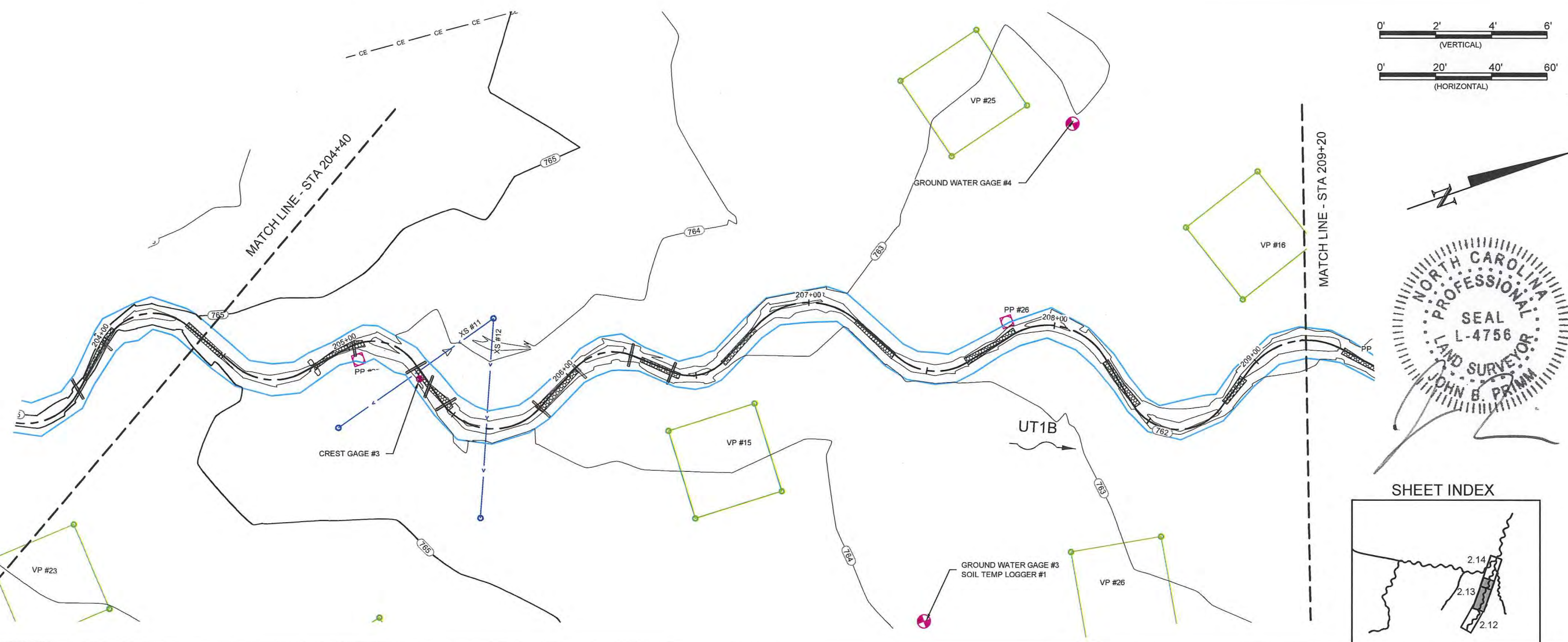
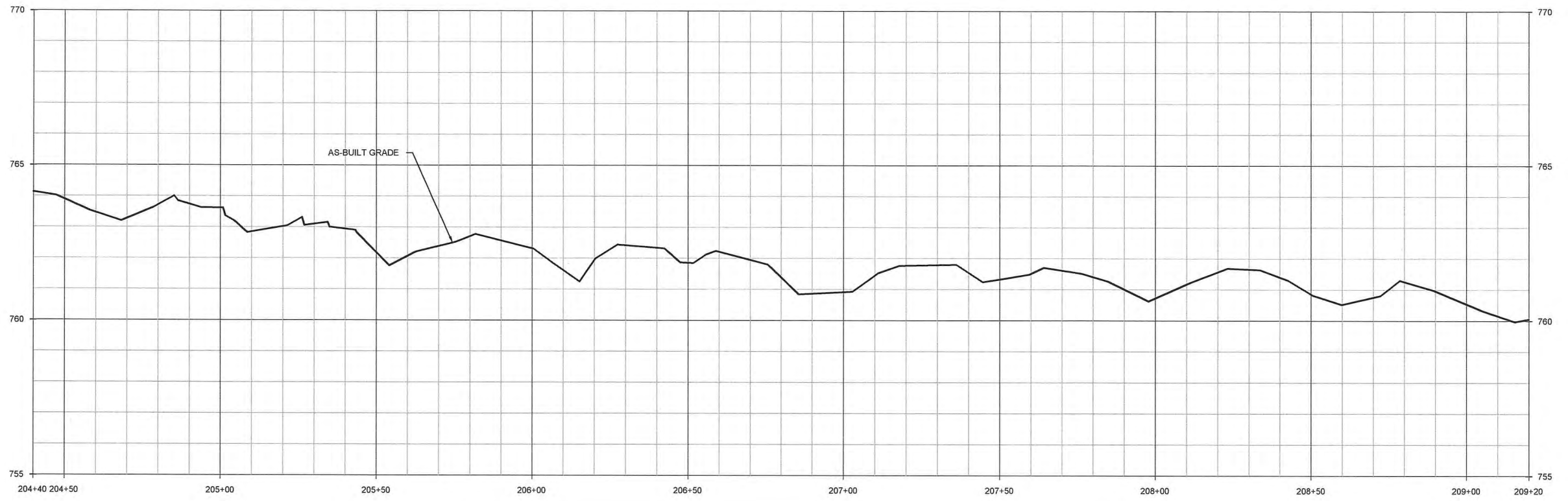
Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 As-Built Plans UT1B

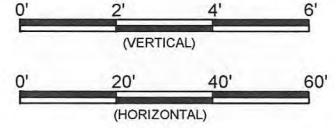
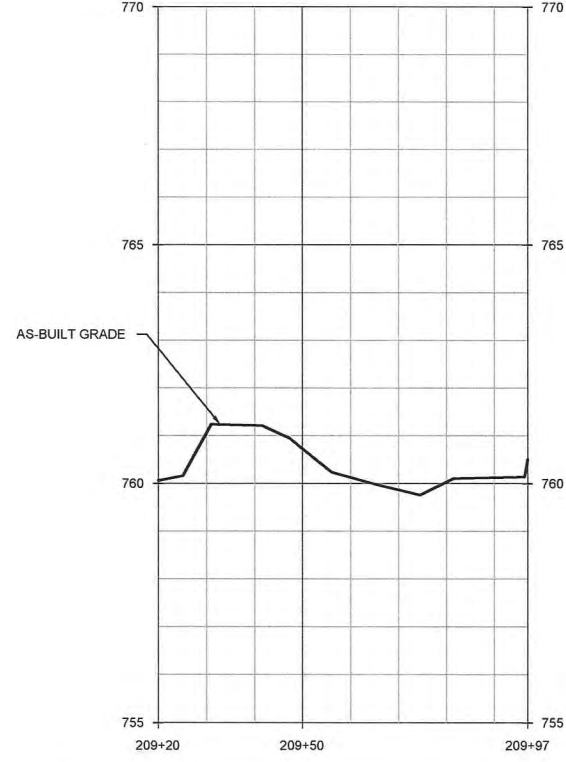
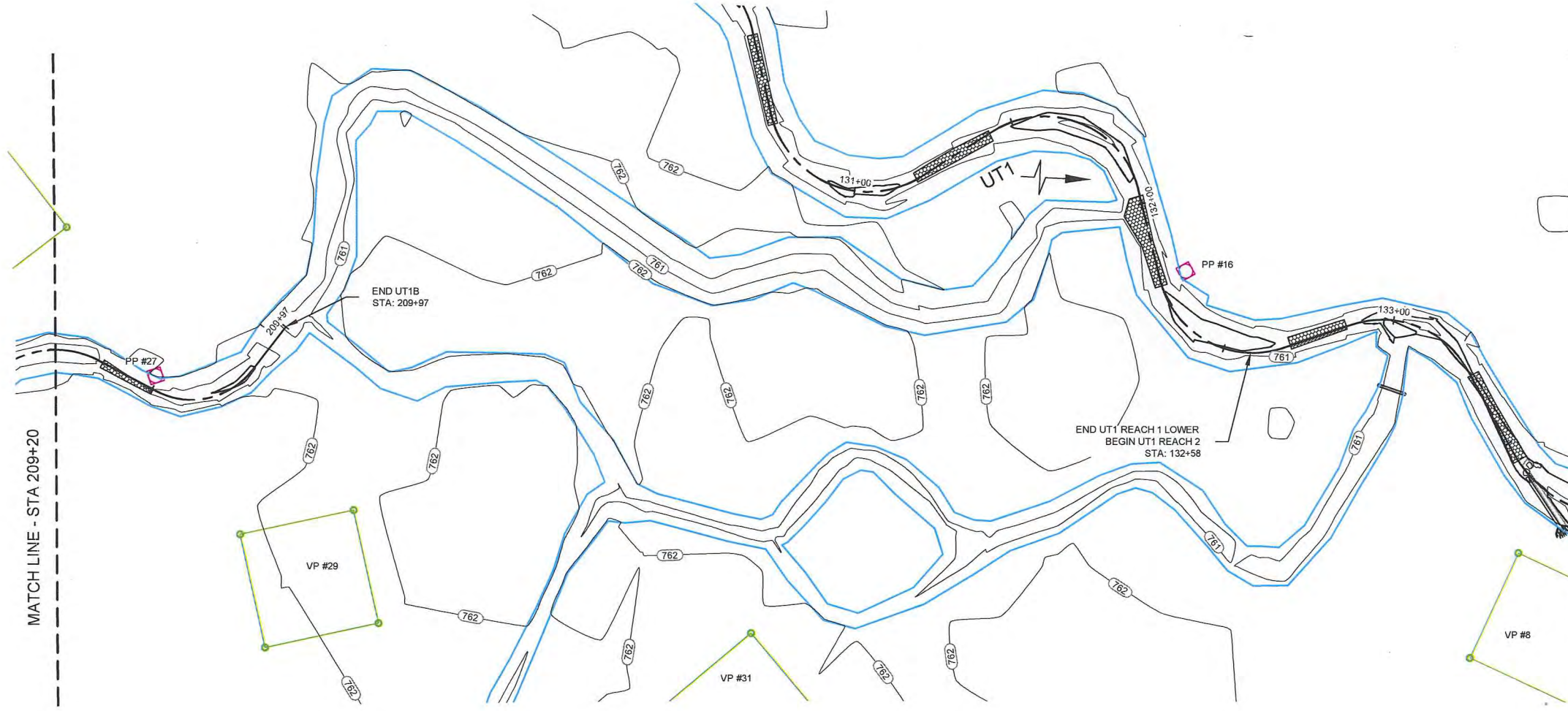
Revisions:

Date:	June 15, 2012
Job Number:	005-0212
Project Engineer:	CDM
Drawn By:	JFK
Checked By:	RCR

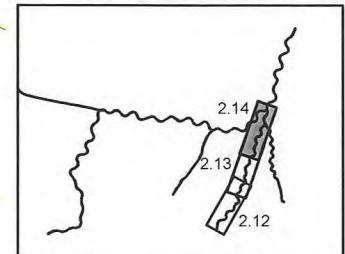
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Final As-Built Plans





SHEET INDEX

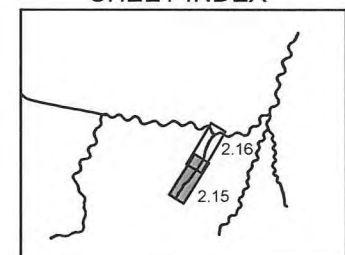
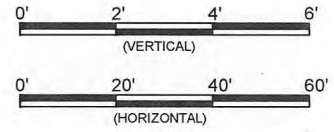
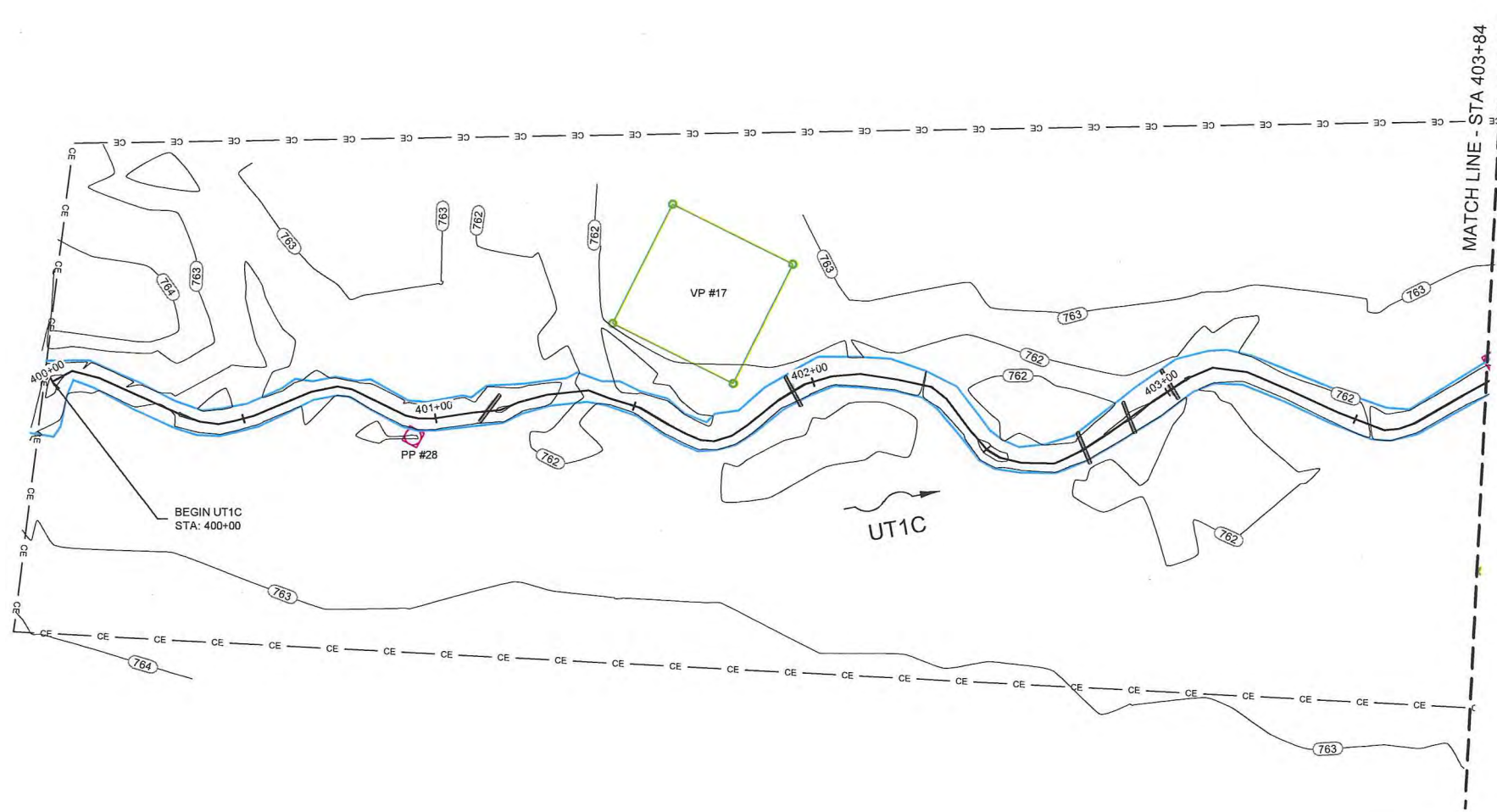
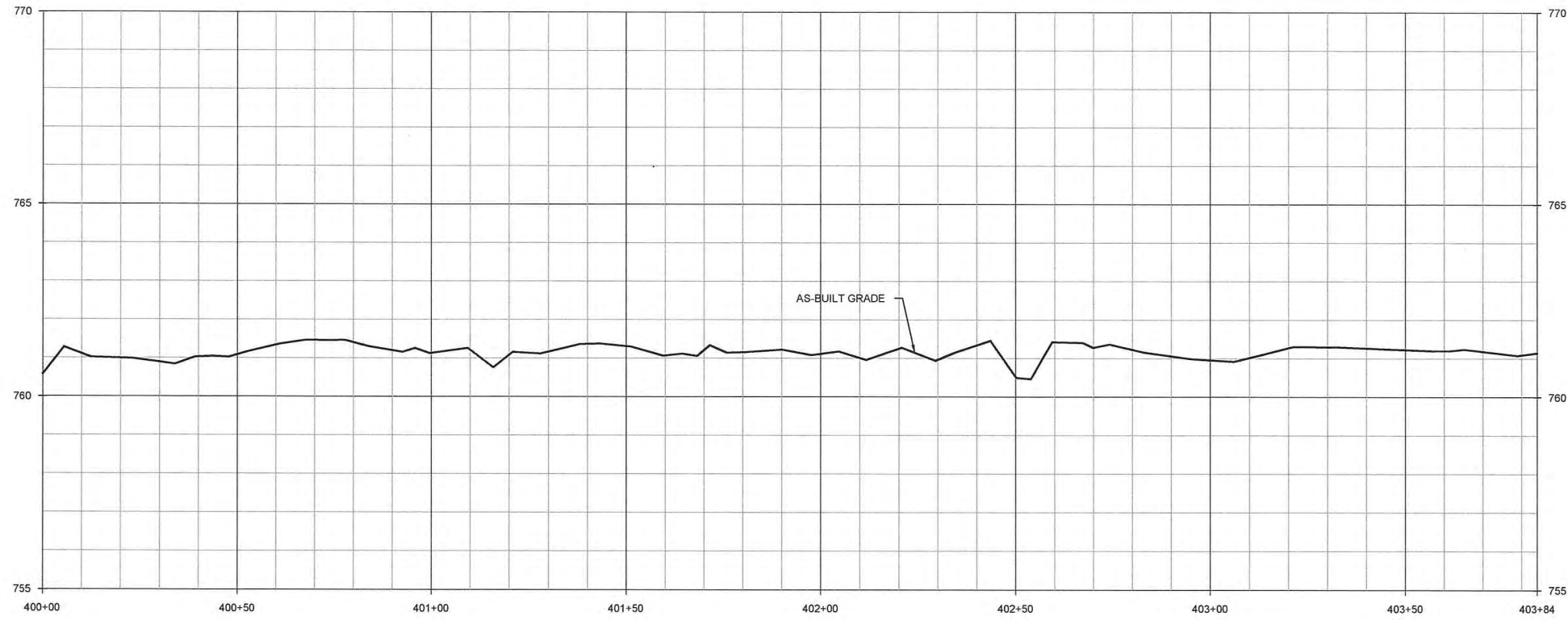


Lyle Creek Mitigation Site
Catawba, North Carolina
Stream Plan and Profile
As-Built Plans UT1B

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ENGINEERING
1430 South Mini Street, Suite 104
Catawba, NC 28603
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Fax: 704.332.3306
Firm License No. F-0831

Date:	June 15, 2012
Job Number:	095-0213
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	EGR

2.14

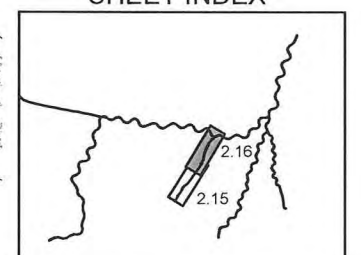
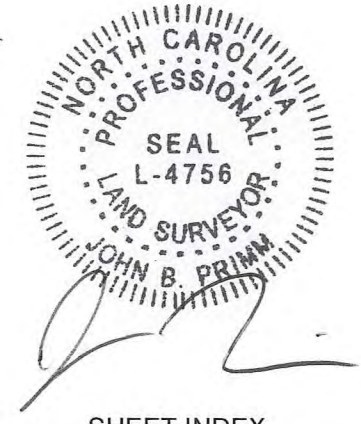
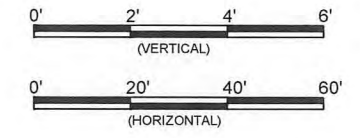
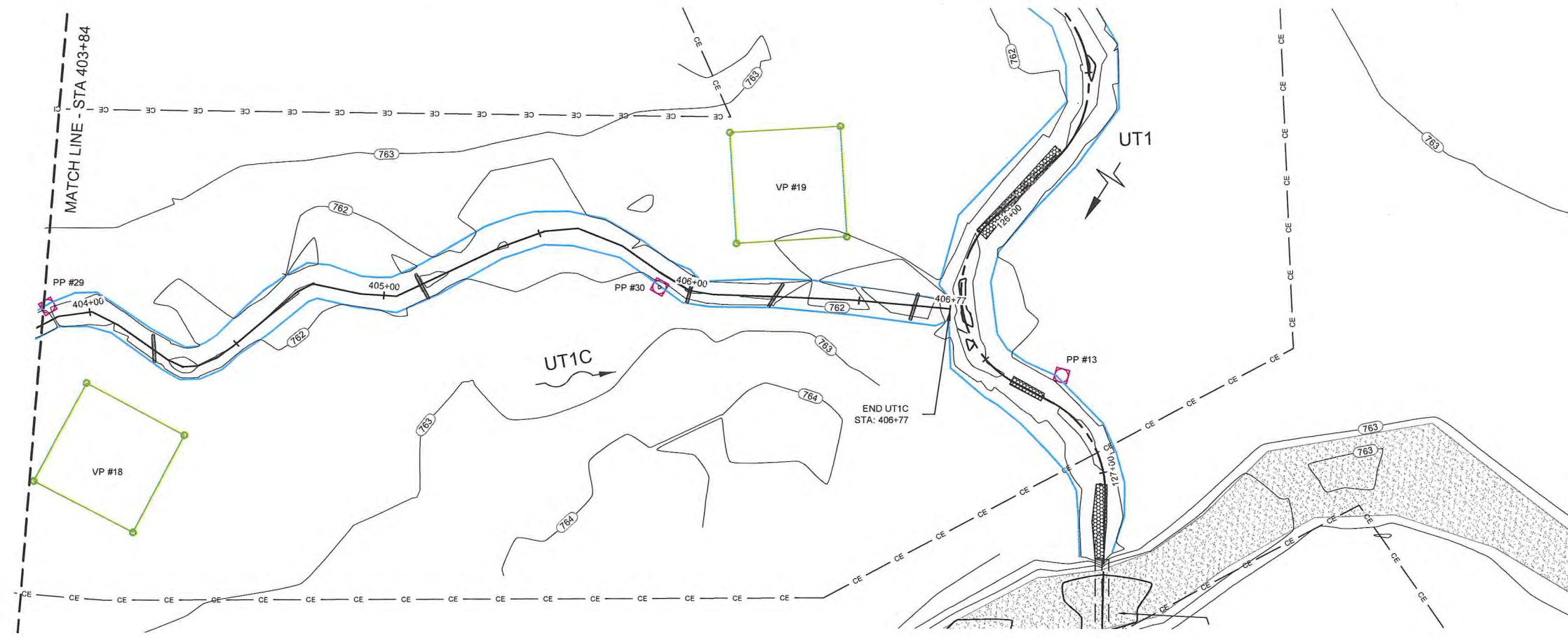
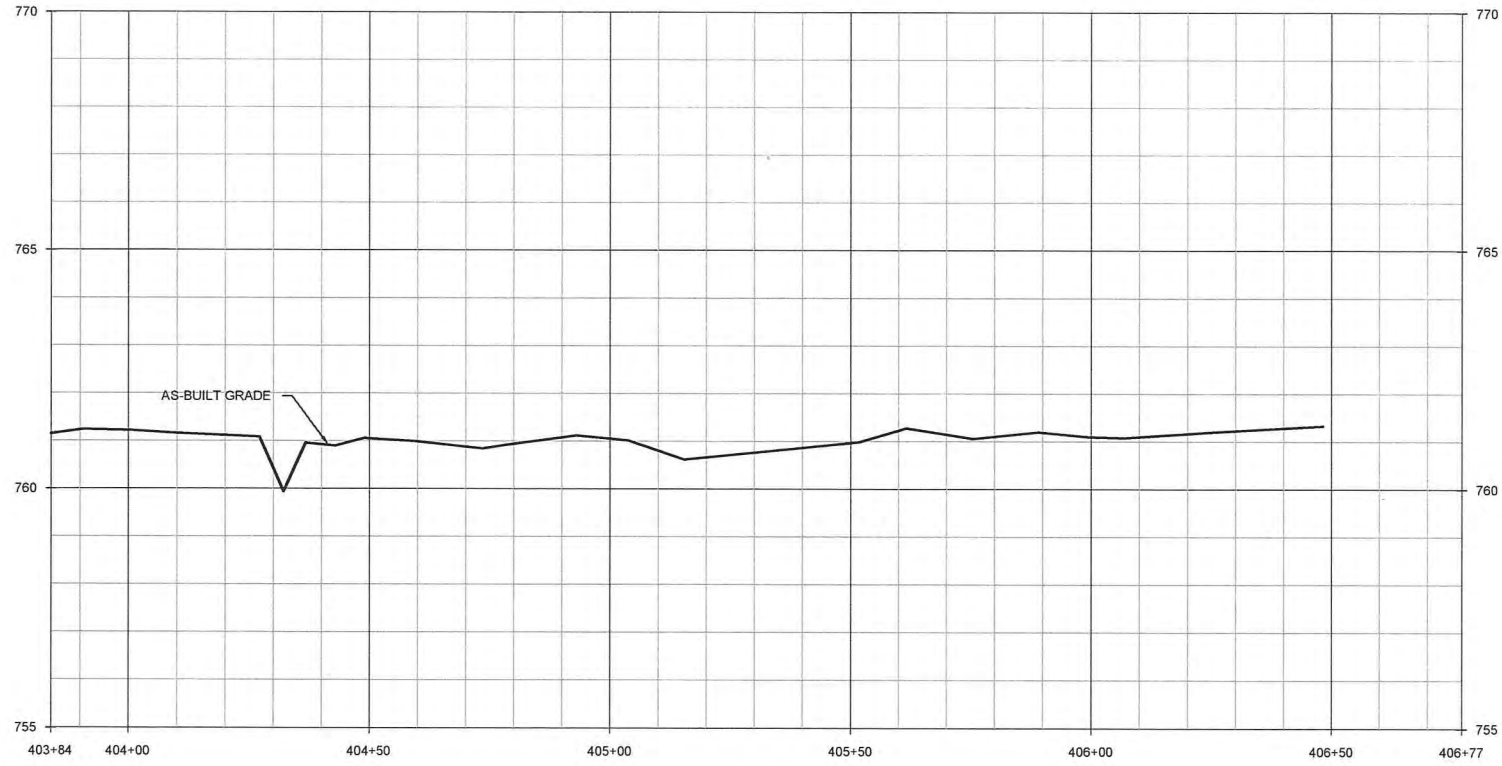


Lyle Creek Mitigation Site
Catawba, North Carolina
Stream Plan and Profile
As-Built Plans UTIC

Revisions:

Date: June 13, 2012
 Job Number: 005-02121
 Project Engineer: CDM
 Drawn By: JCK
 Checked By: EGR

2.15



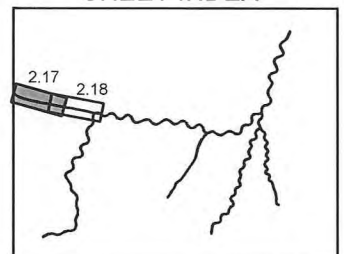
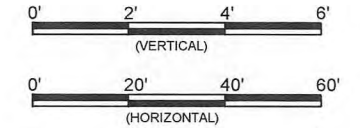
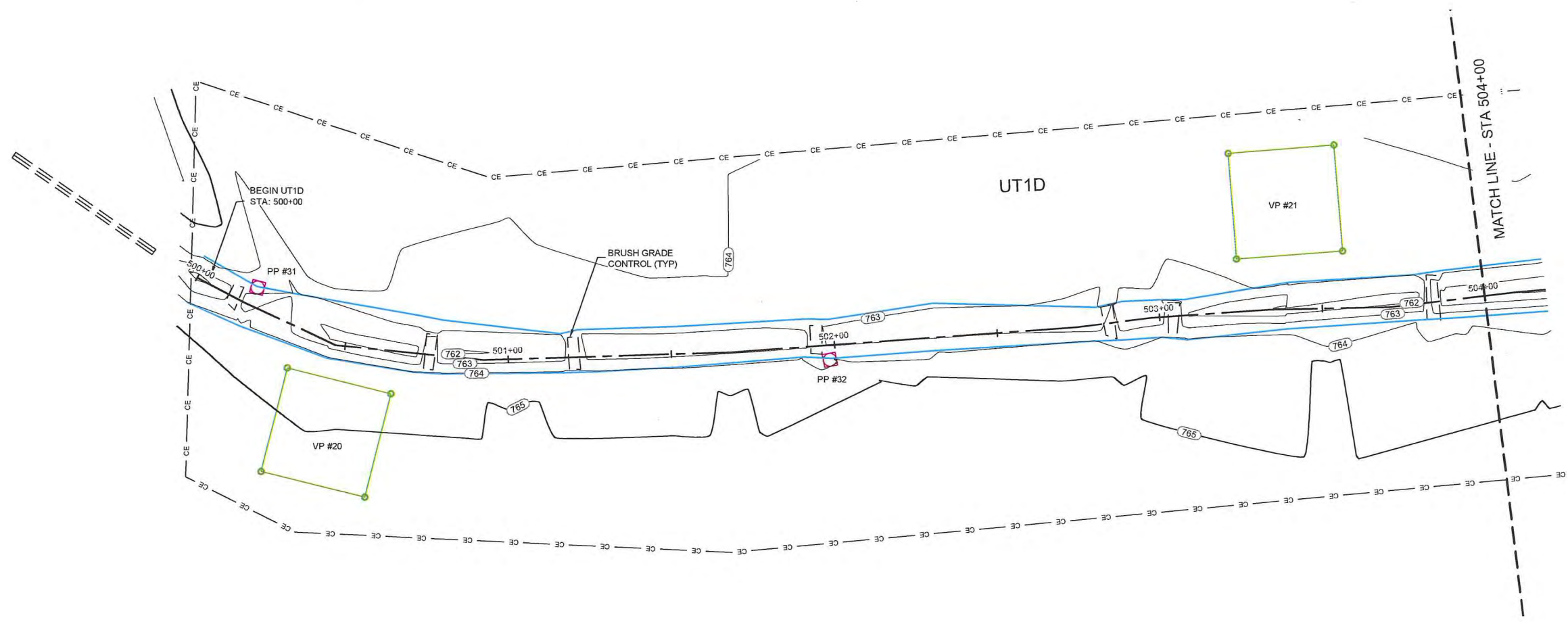
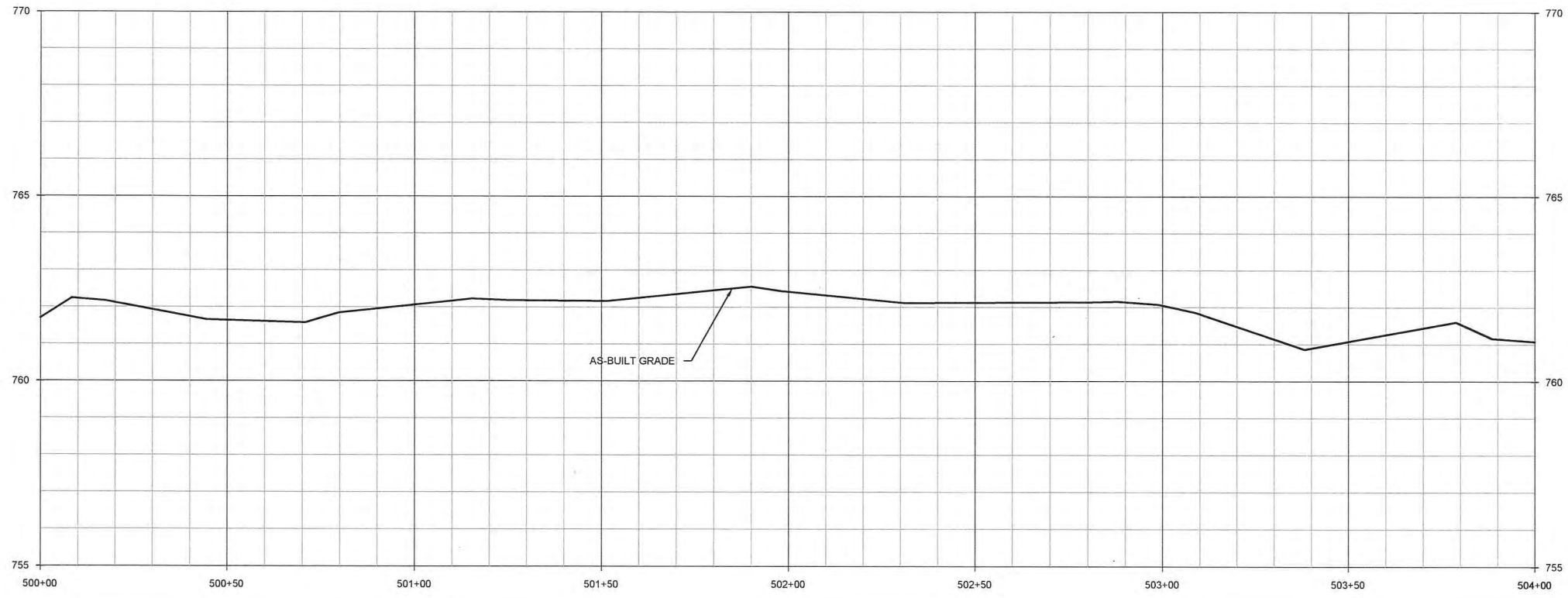
Lyle Creek Mitigation Site
Catawba, North Carolina
Stream Plan and Profile
As-Built Plans UTIC

Date:	June 15, 2012
Job Number:	005-02123
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	ECR

2.16

Sheet

Final As-Built Plans



Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 As-Built Plans UT1D

Revisions

Date:	June 15, 2012
Job Number:	066-0213
Project Engineer:	CTM
Drawn By:	JCK
Checked By:	EGK

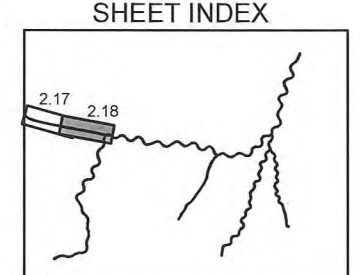
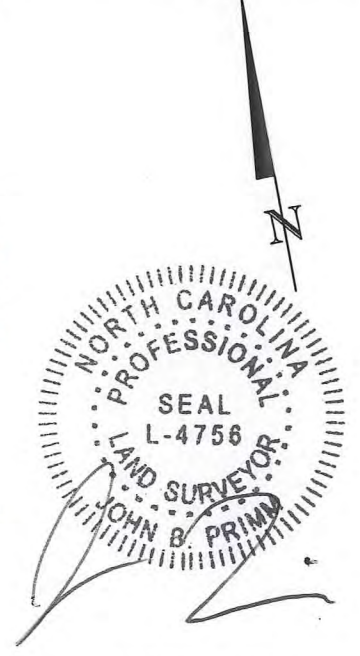
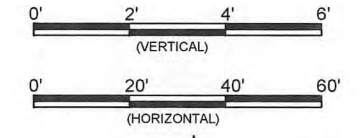
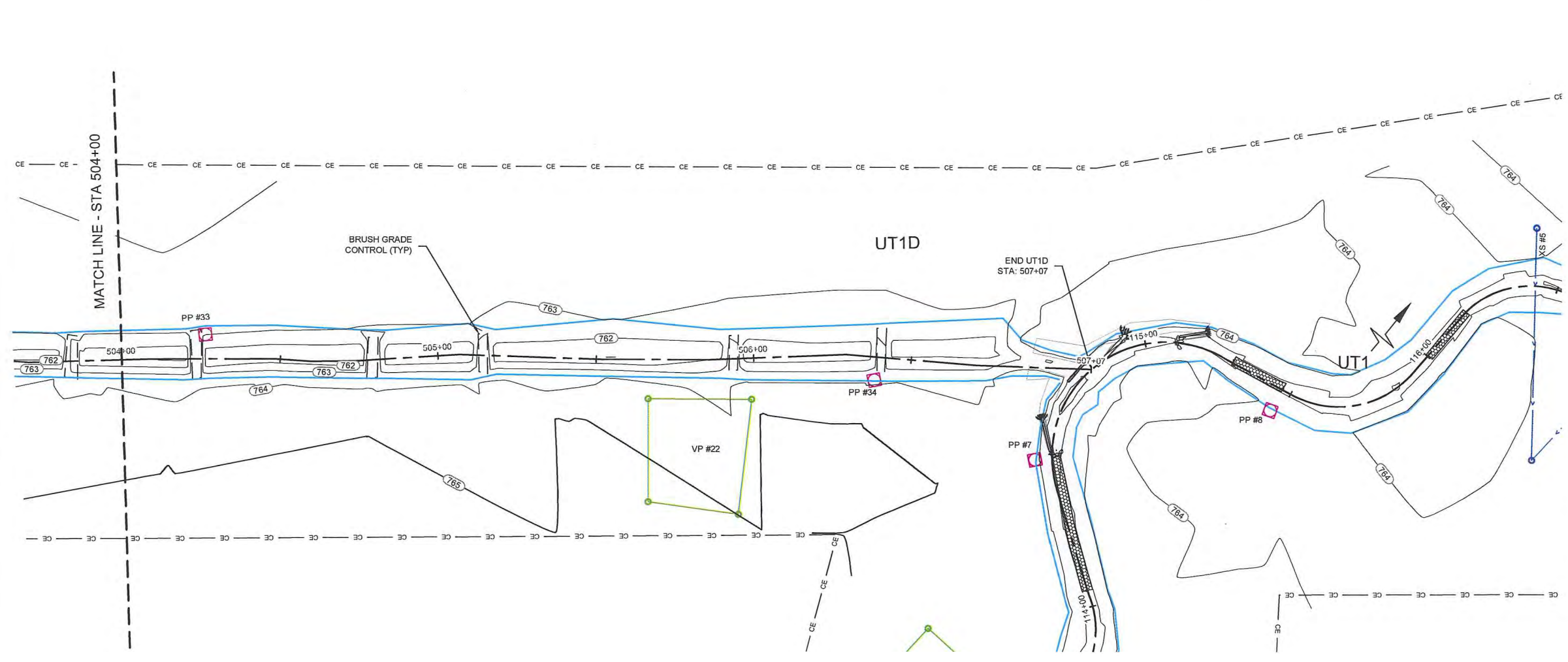
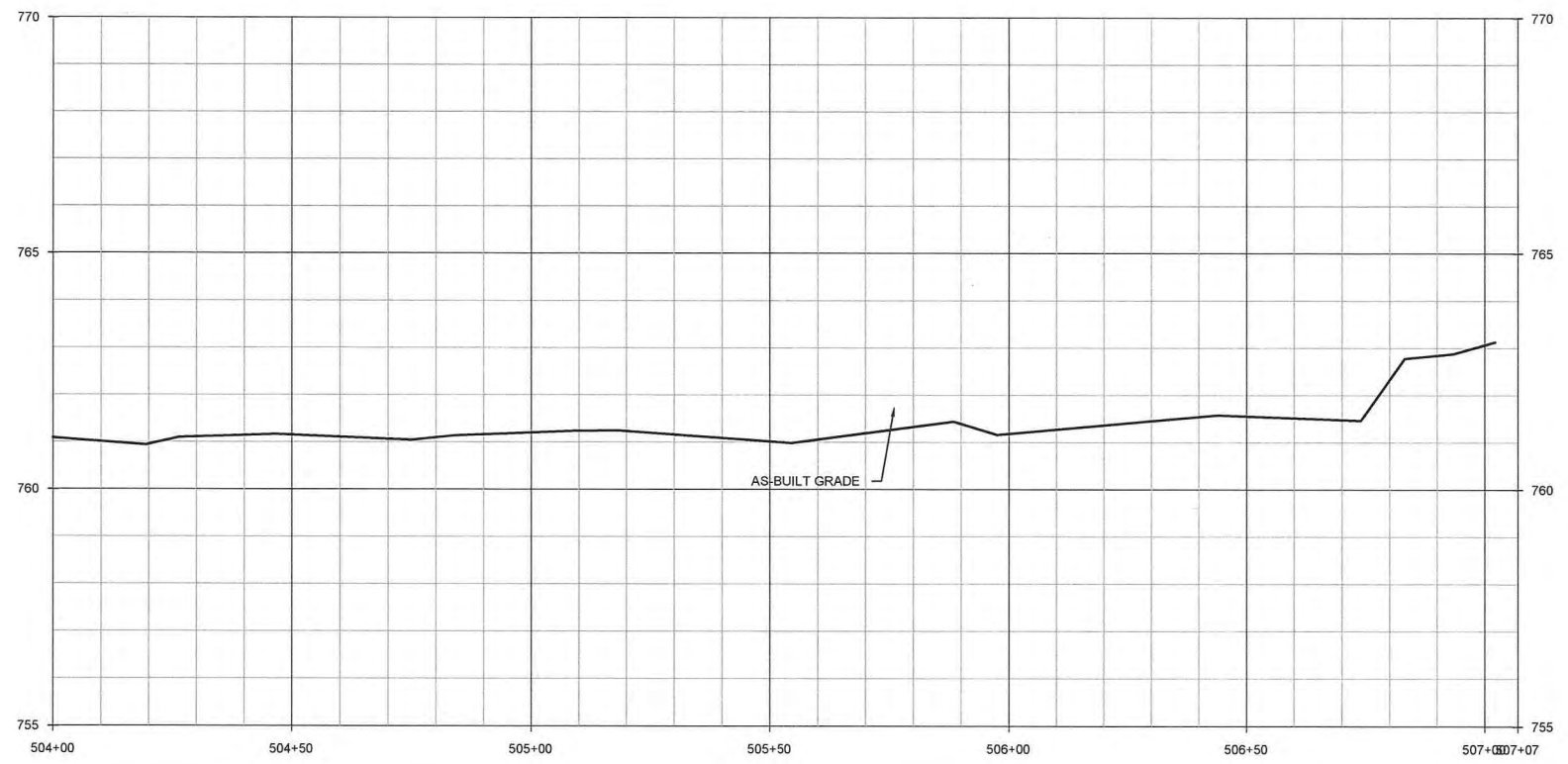
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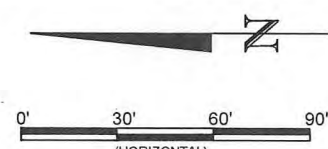
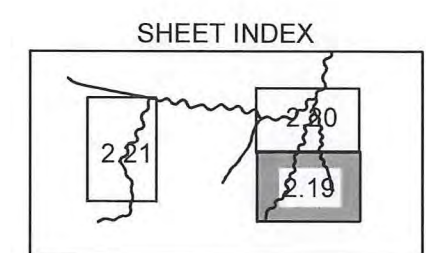
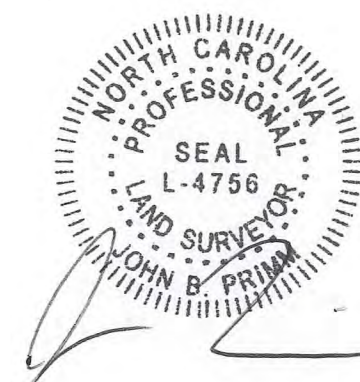
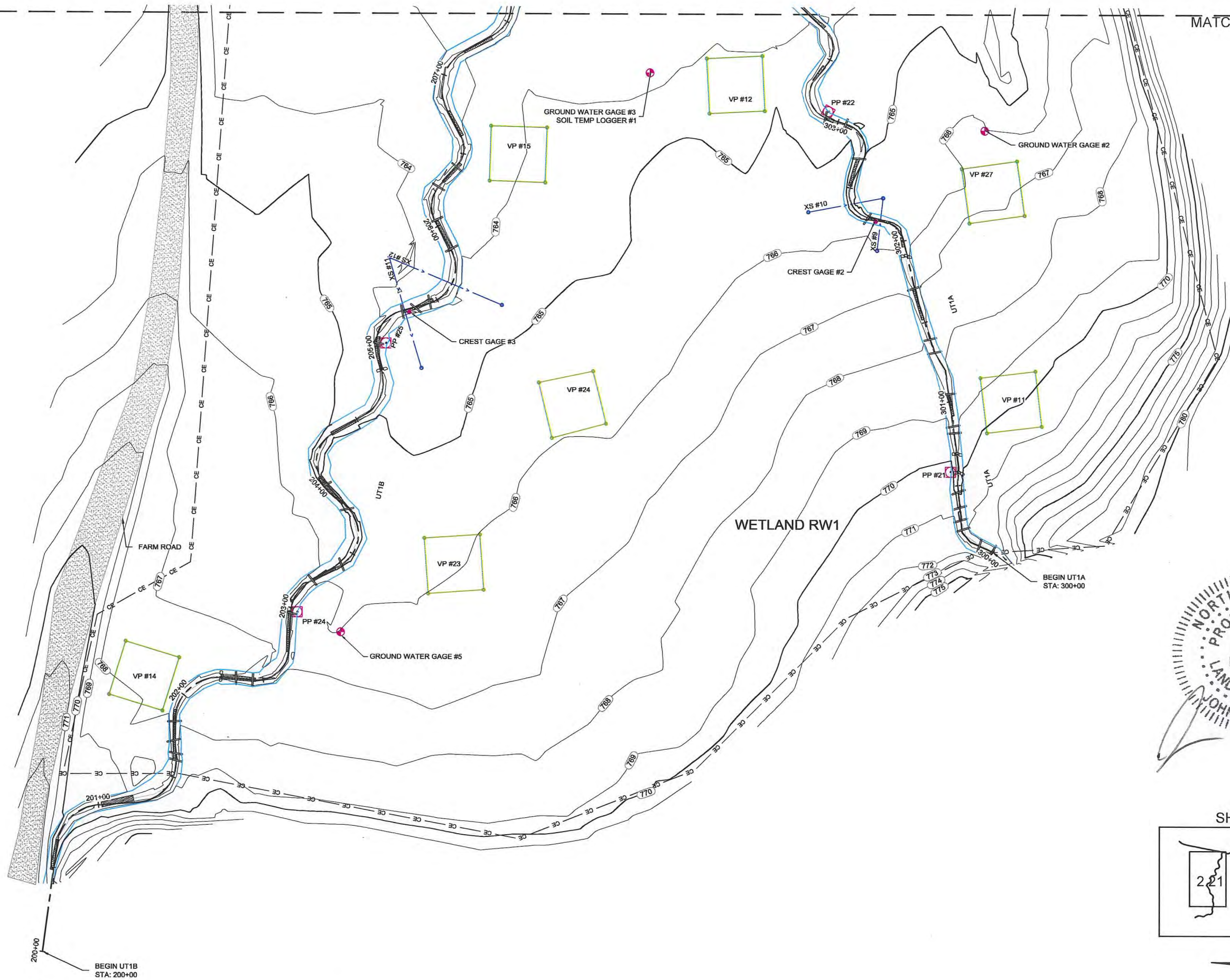
Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 As-Built Plans UT1D

Revisions

Date:	June 15, 2012
Job Number:	006-0212
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	RCR

2.18





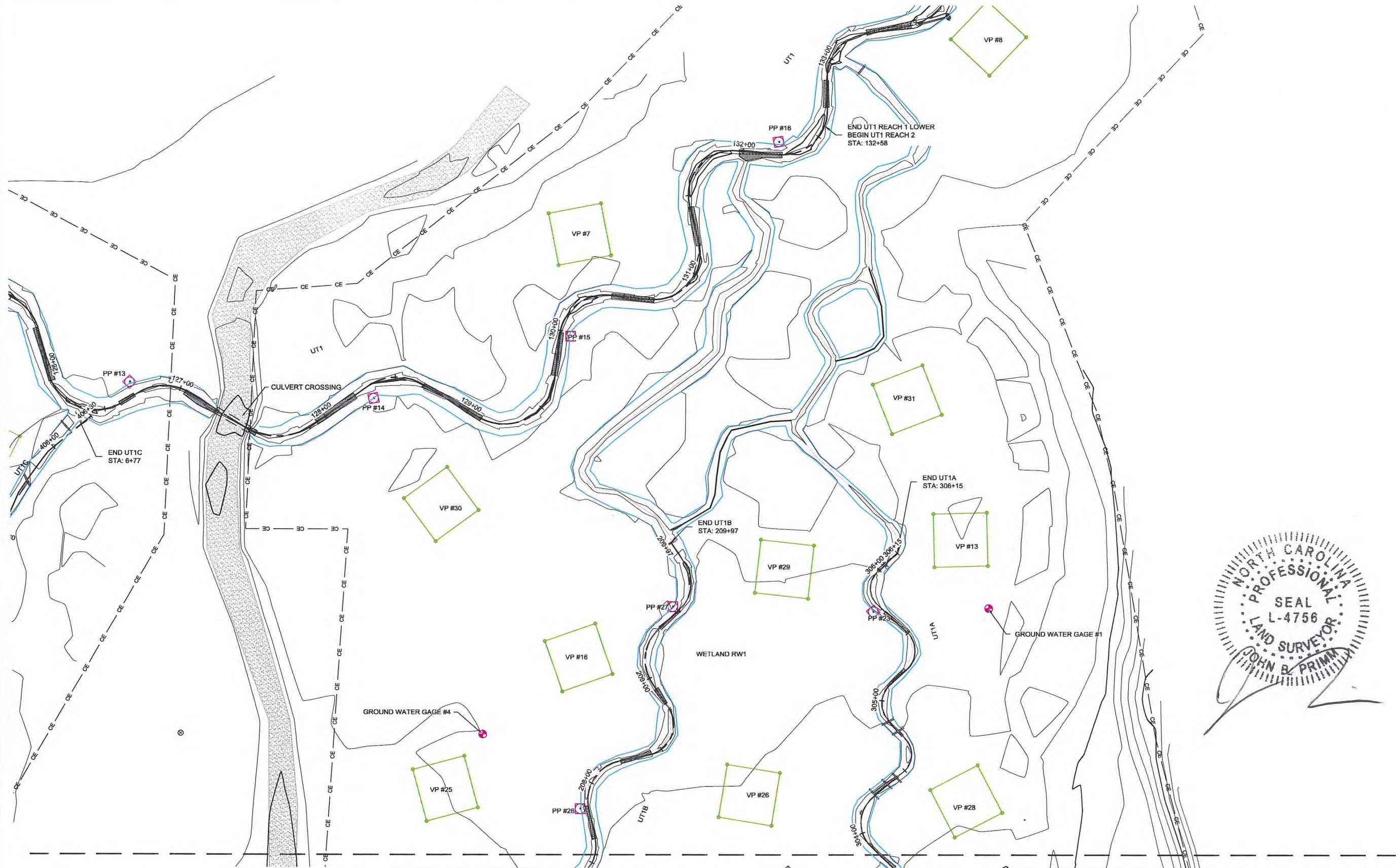
Lyle Creek Mitigation Site
Catawba, North Carolina

Wetland RW1
As-Built Plans

Revisions:

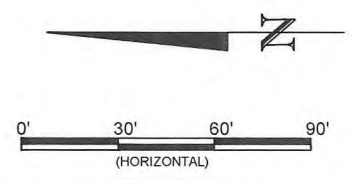
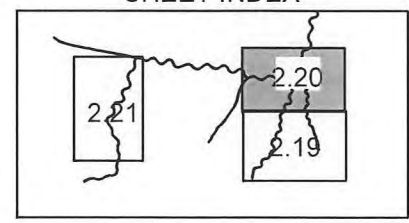
Date: June 15, 2012
Job Number: 085-02121
Project Engineer: CDM
Drawn By: JCK
Checked By: ECR

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MATCHLINE - SHEET 2.19

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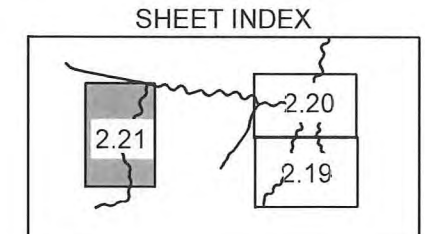
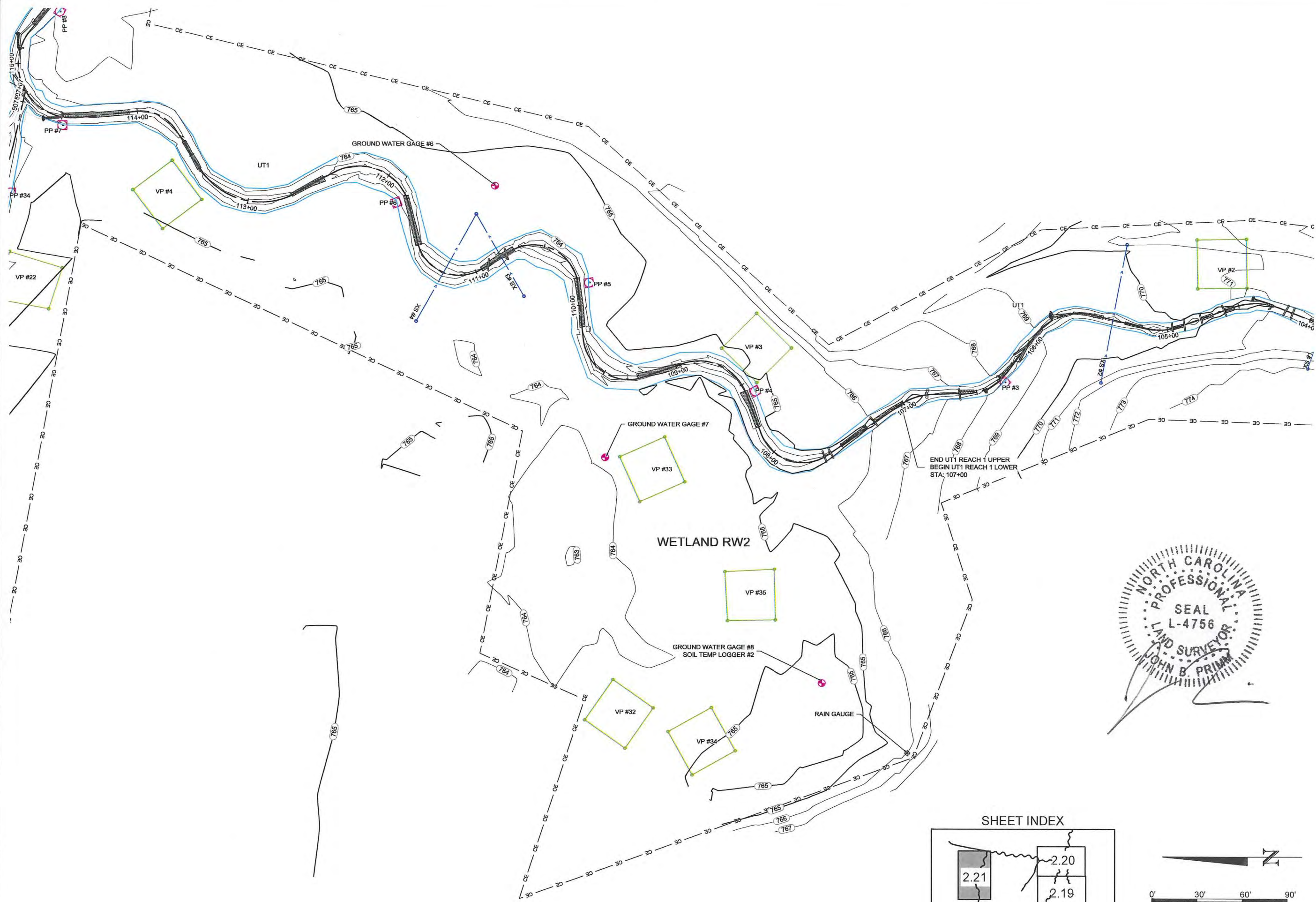


Lyle Creek Mitigation Site
Catawba, North Carolina
Wetland RW1
As-Built Plans

Revisions:

Date:	June 15, 2012
Job Number:	006-0212
Project Engineer:	CTM
Drawn By:	JCK
Checked By:	EGR

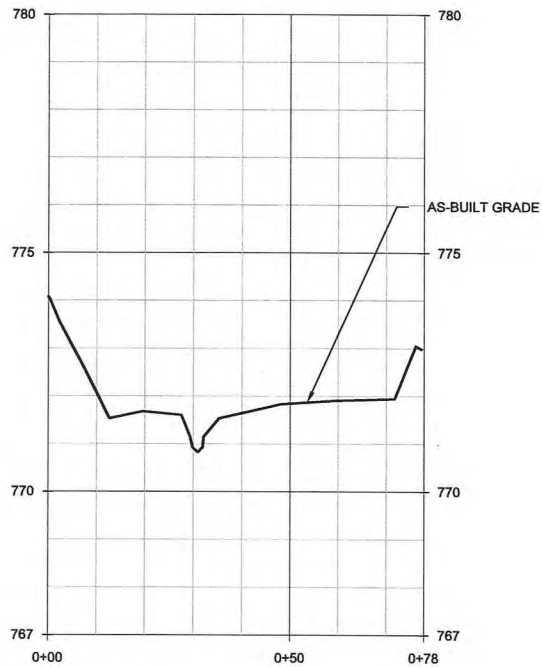
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Lyle Creek Mitigation Site
Catawba, North Carolina
 Wetland RW2
 As-Built Plans

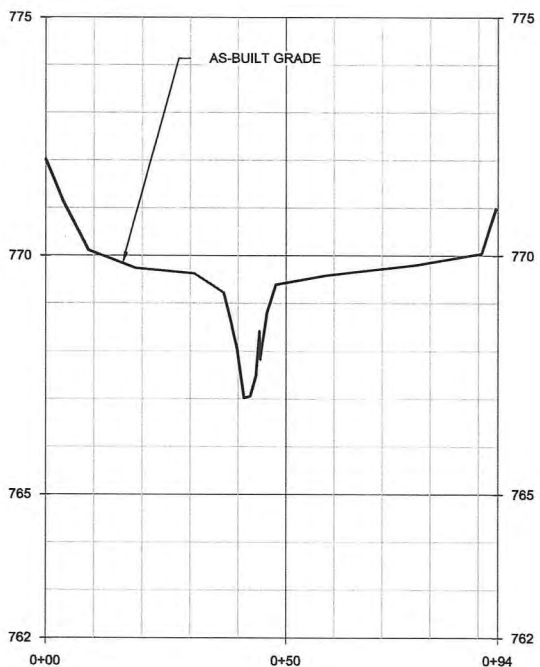
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Job Number:	005-0212
Project Engineer:	CTDM
Drawn By:	JCK
Checked By:	EGE

2.21



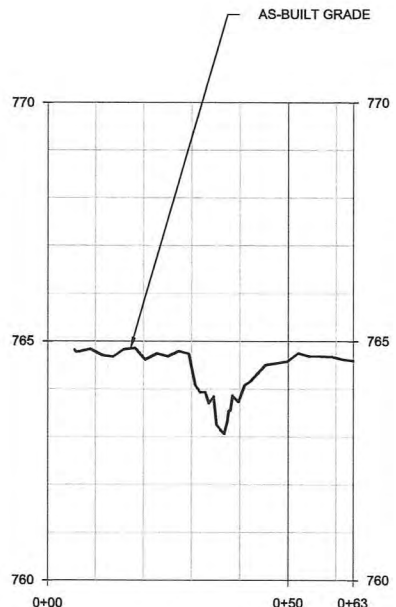
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UT1
Sta: 103+91
Riffle



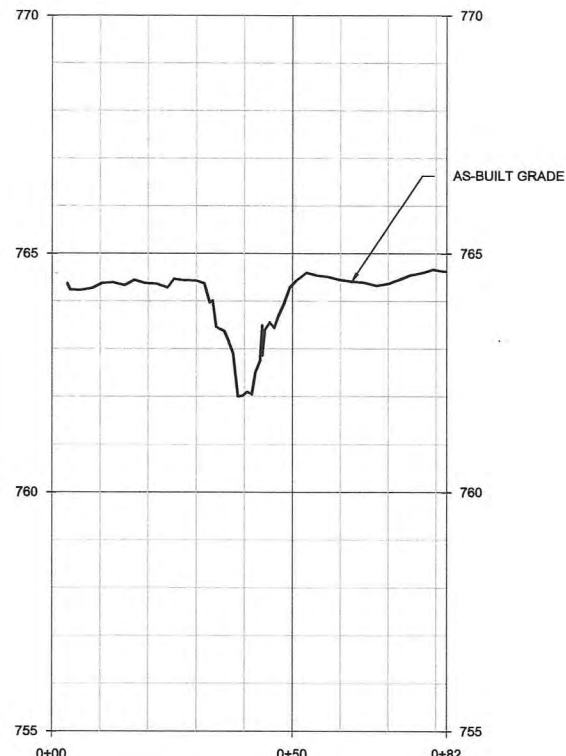
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UT1
Sta: 105+37
Pool



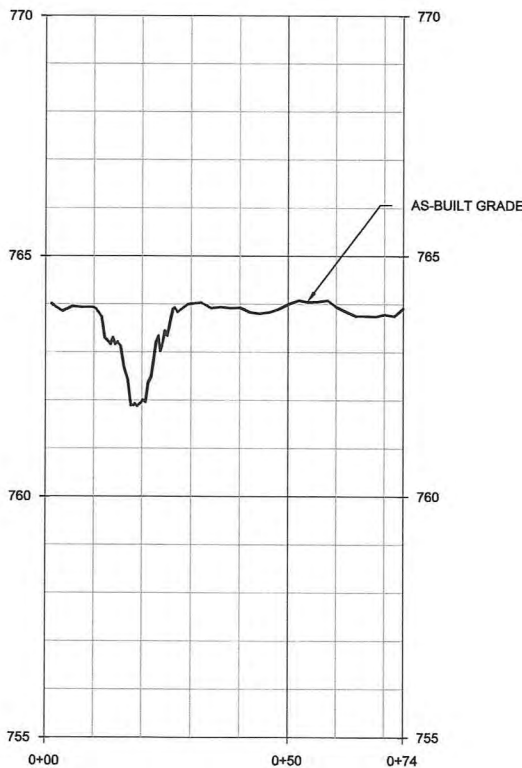
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UT1
Sta: 110+80
Riffle



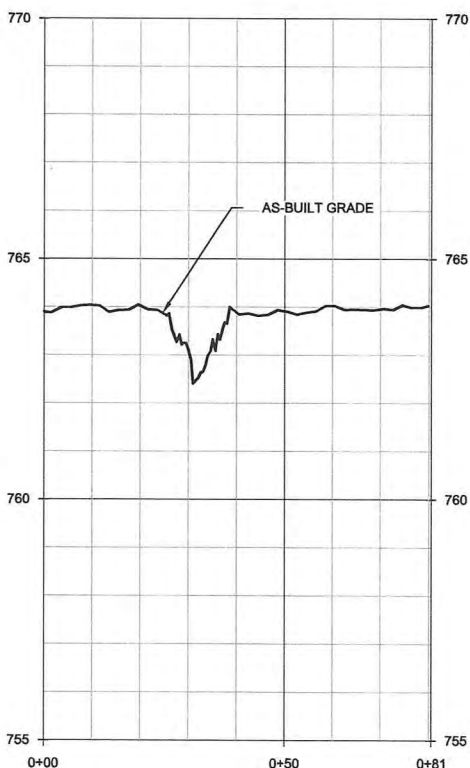
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UT1
Sta: 111+22
Pool



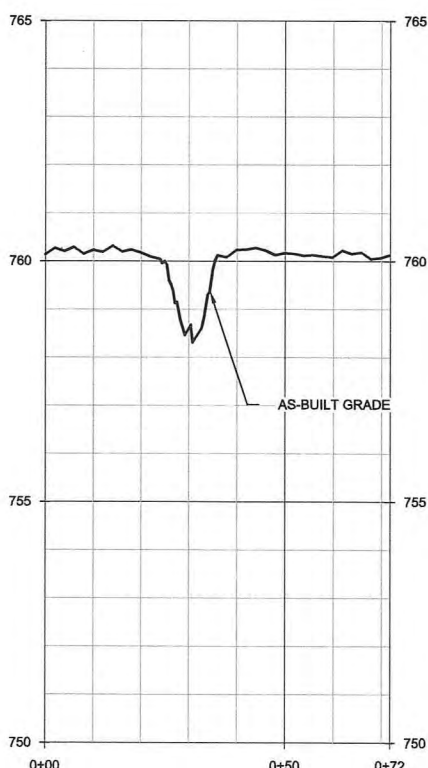
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UT1
Sta: 116+43
Pool



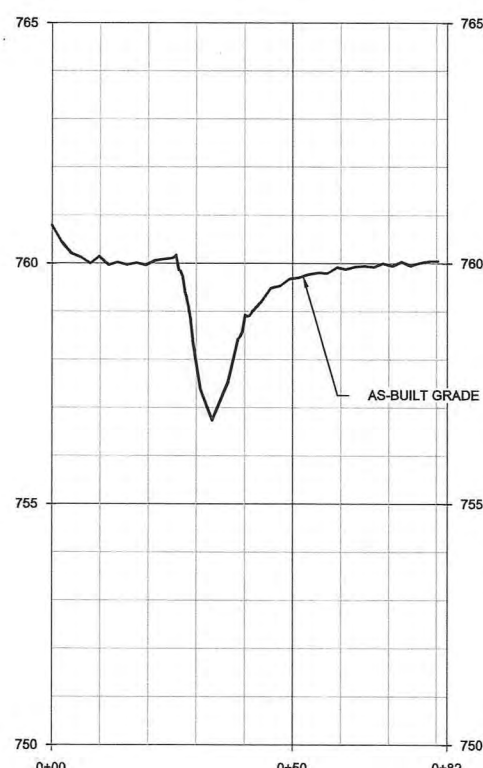
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UT1
Sta: 116+81
Riffle



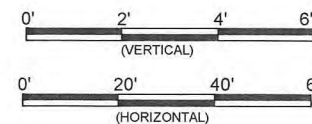
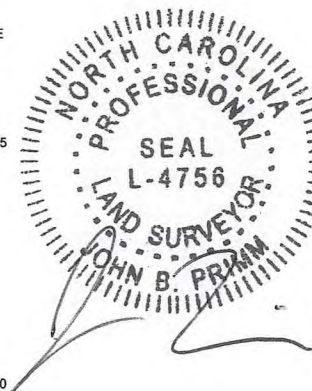
XS7-MY0

UT1
Sta: 135+95
Riffle



XS8-MY0

UT1
Sta: 136+31
Pool



**Lyle Creek Mitigation Site
Catawba, North Carolina**

Cross Sections
As-Built Plans

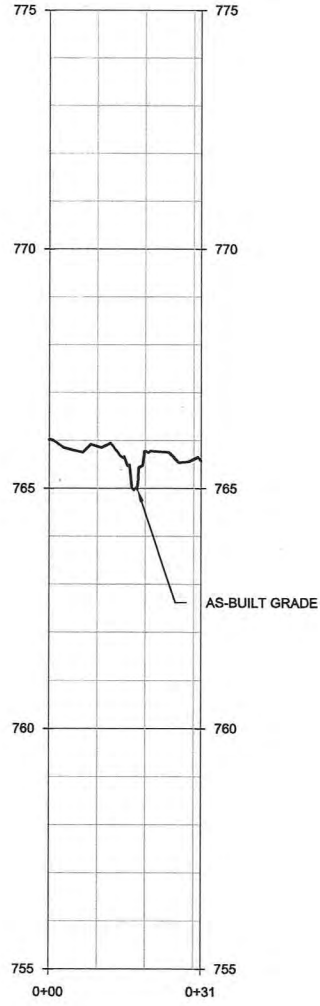
Revisions

Date: June 13, 2012
 Job Number: 085-07123
 Project Engineer: CDM
 Drawn By: JCK
 Checked By: EGR

2.22

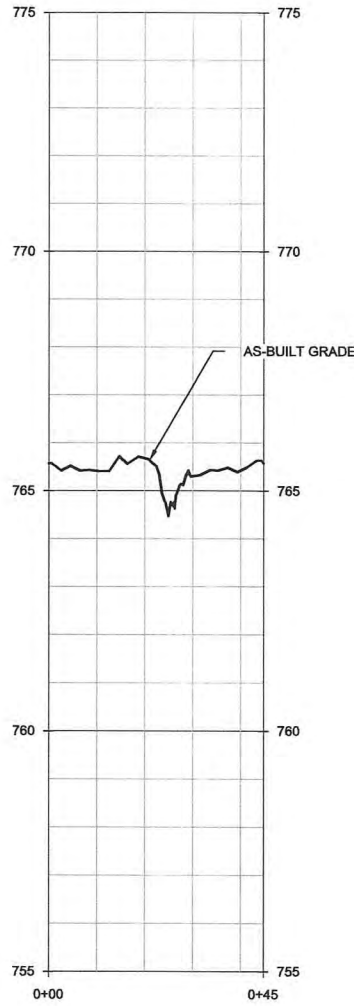
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Final As-Built Plans



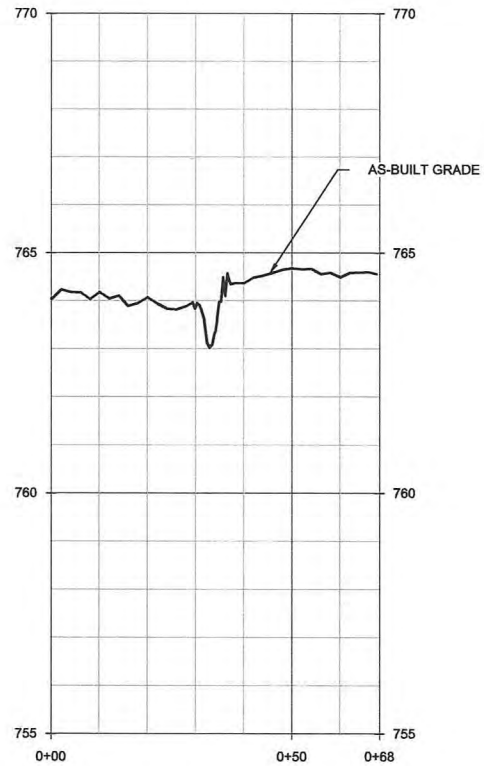
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UT1A
Sta: 302+19
Riffle



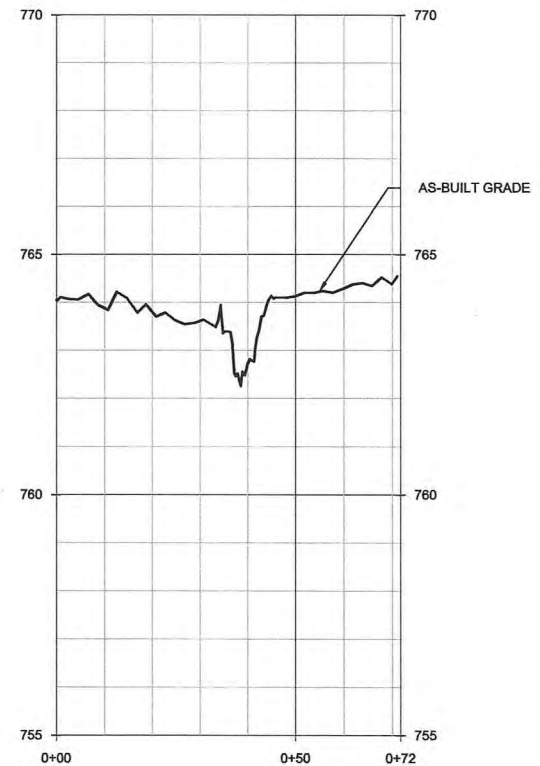
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UT1A
Sta: 302+40
Pool



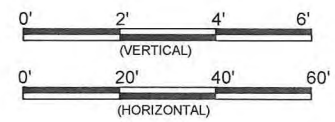
XS11-MY0

UT1B
Sta: 205+30
Riffle



XS12-MY0

UT1B
Sta: 205+63
Pool

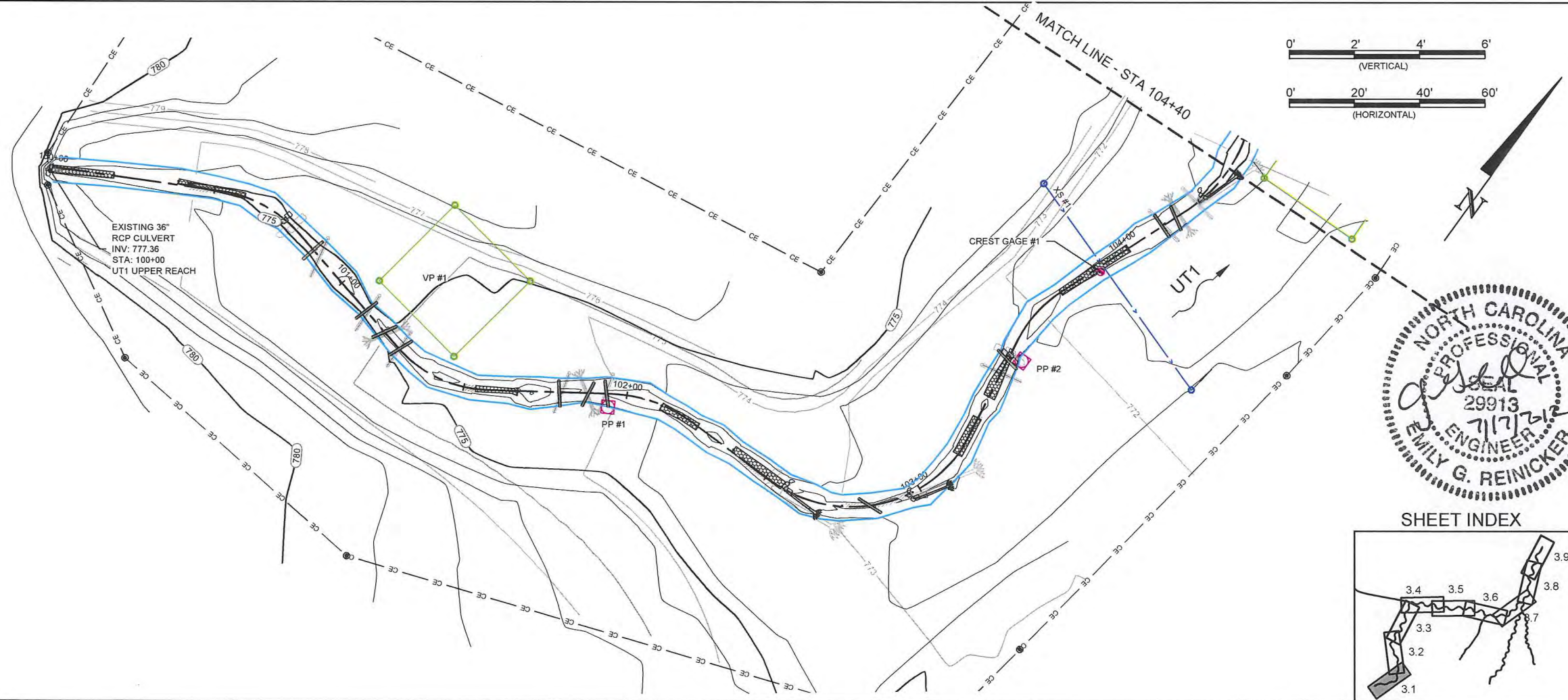
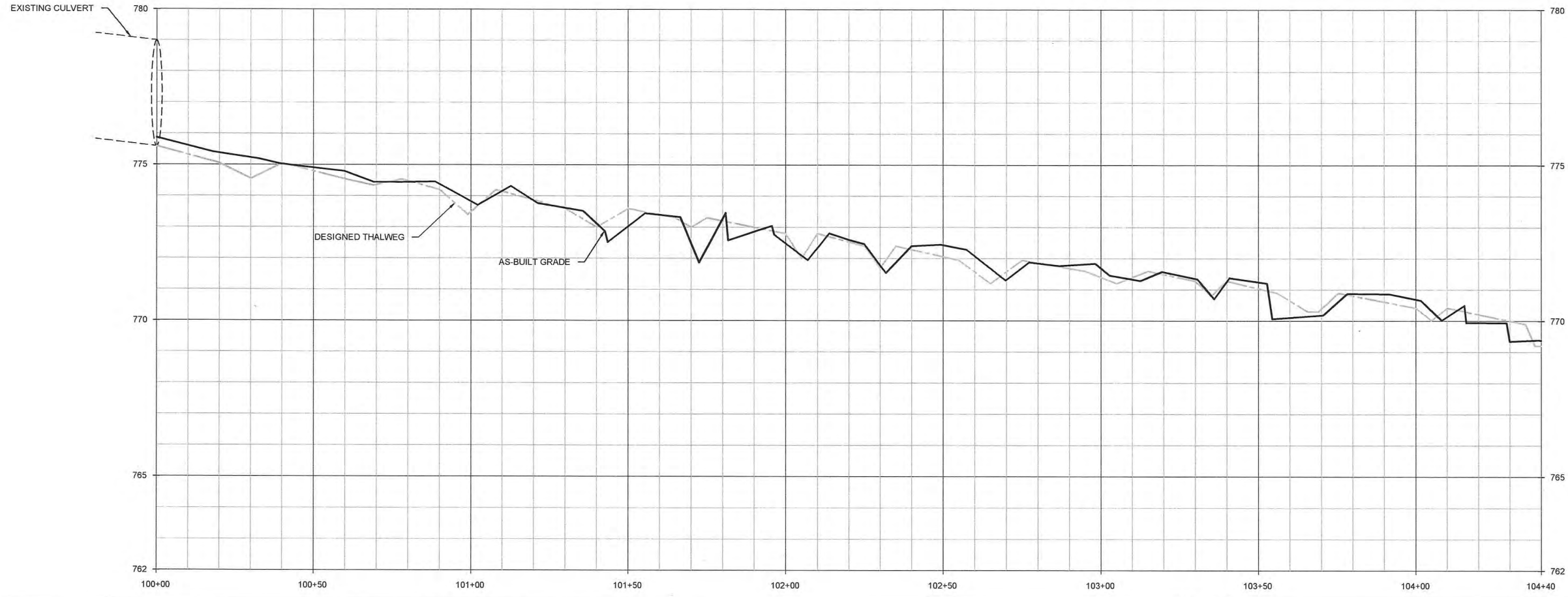


Date:	June 15, 2012
Job Number:	08540213
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	ECR

Revisions

2.23

Lyle Creek Mitigation Site
Catawba, North Carolina
Cross Sections
As-Built Plans



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Lyle Creek Mitigation Site
Catawba, North Carolina
Stream Plan and Profile
Overlay Plans UT1 Reach 1 Upper

Revisions

Date: June 15, 2012
Job Number: 004-0212
Project Engineer: CDAL
Drawn By: JCK
Checked By: EGR

3.1

Lyle Creek Mitigation Site
Catawba, North Carolina

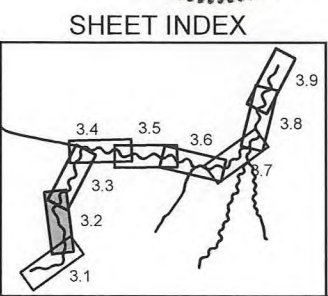
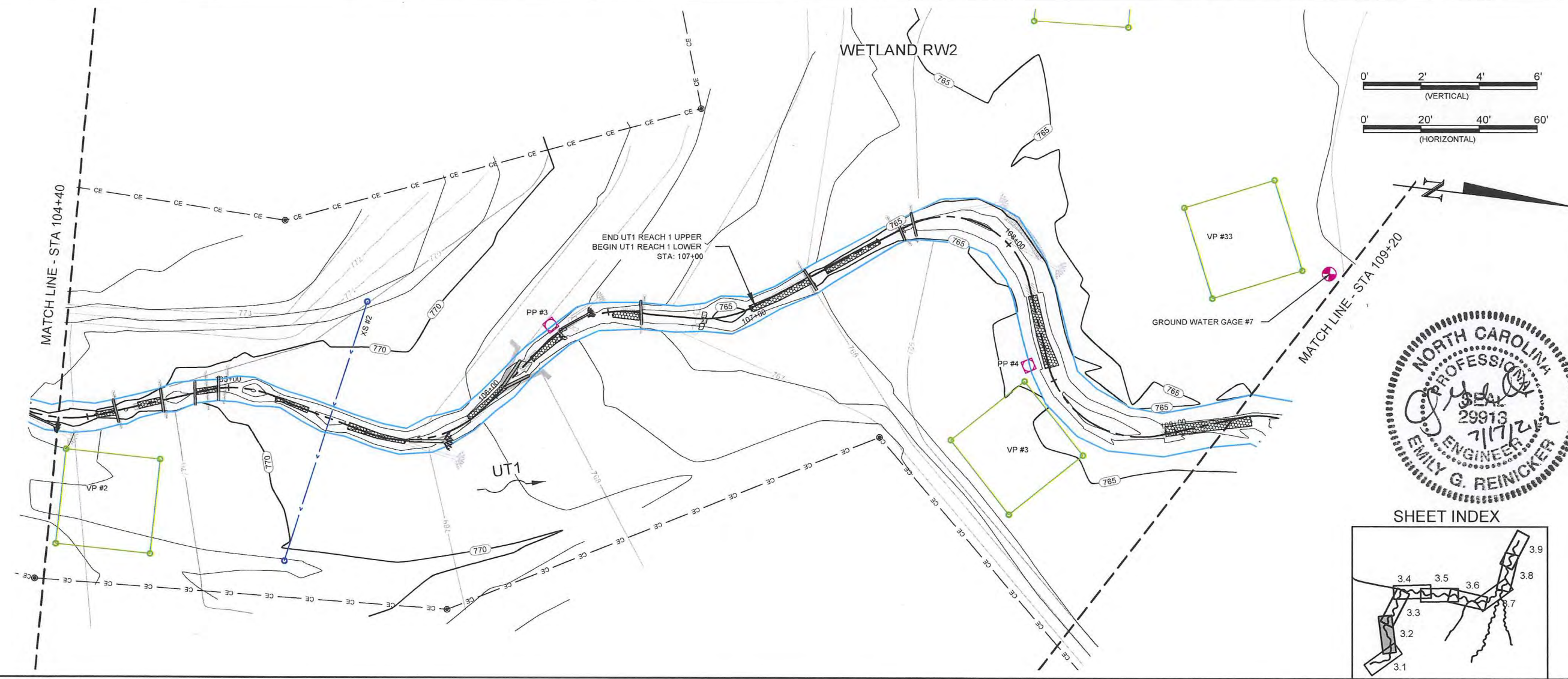
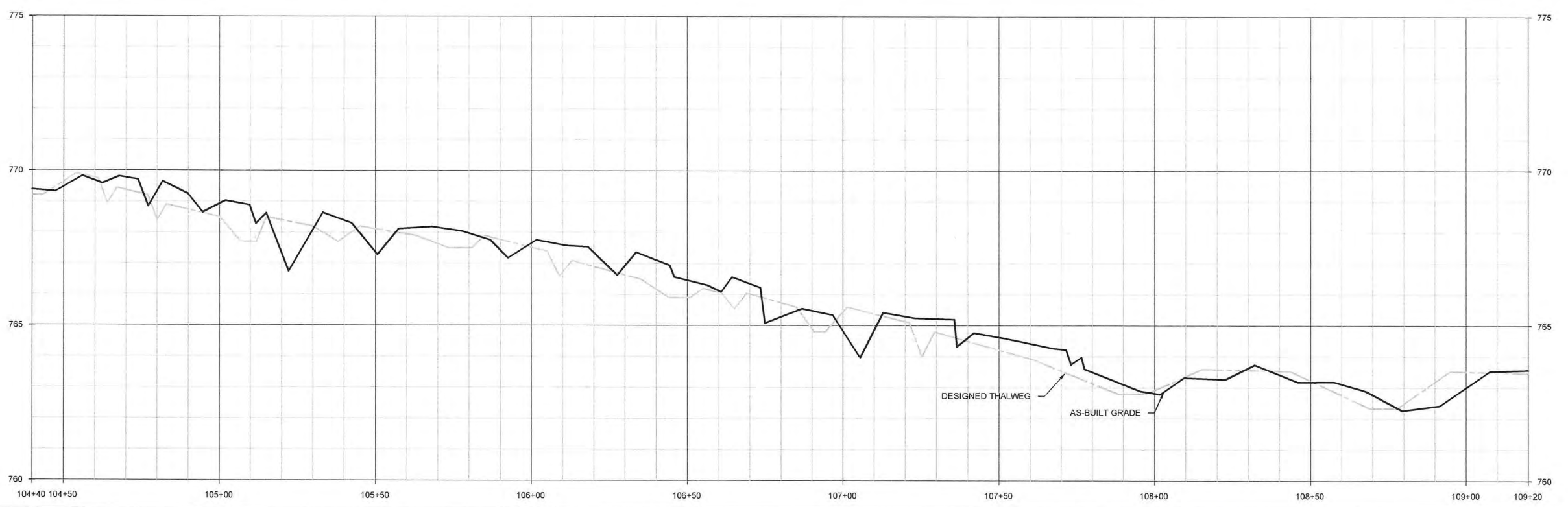
Stream Plan and Profile
 Overlay Plans UT1 Reach 1 Upper and Lower

Revisions:

Date: June 15, 2012
 Job Number: 095-02123
 Project Engineer: CDM
 Drawn By: JCK
 Checked By: EGB

3.2

Final As-Built Plans

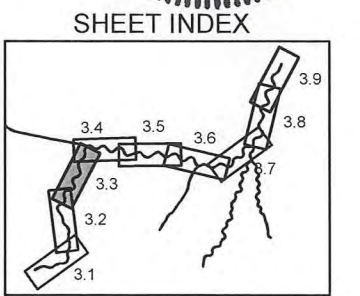
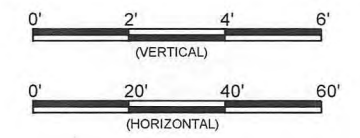
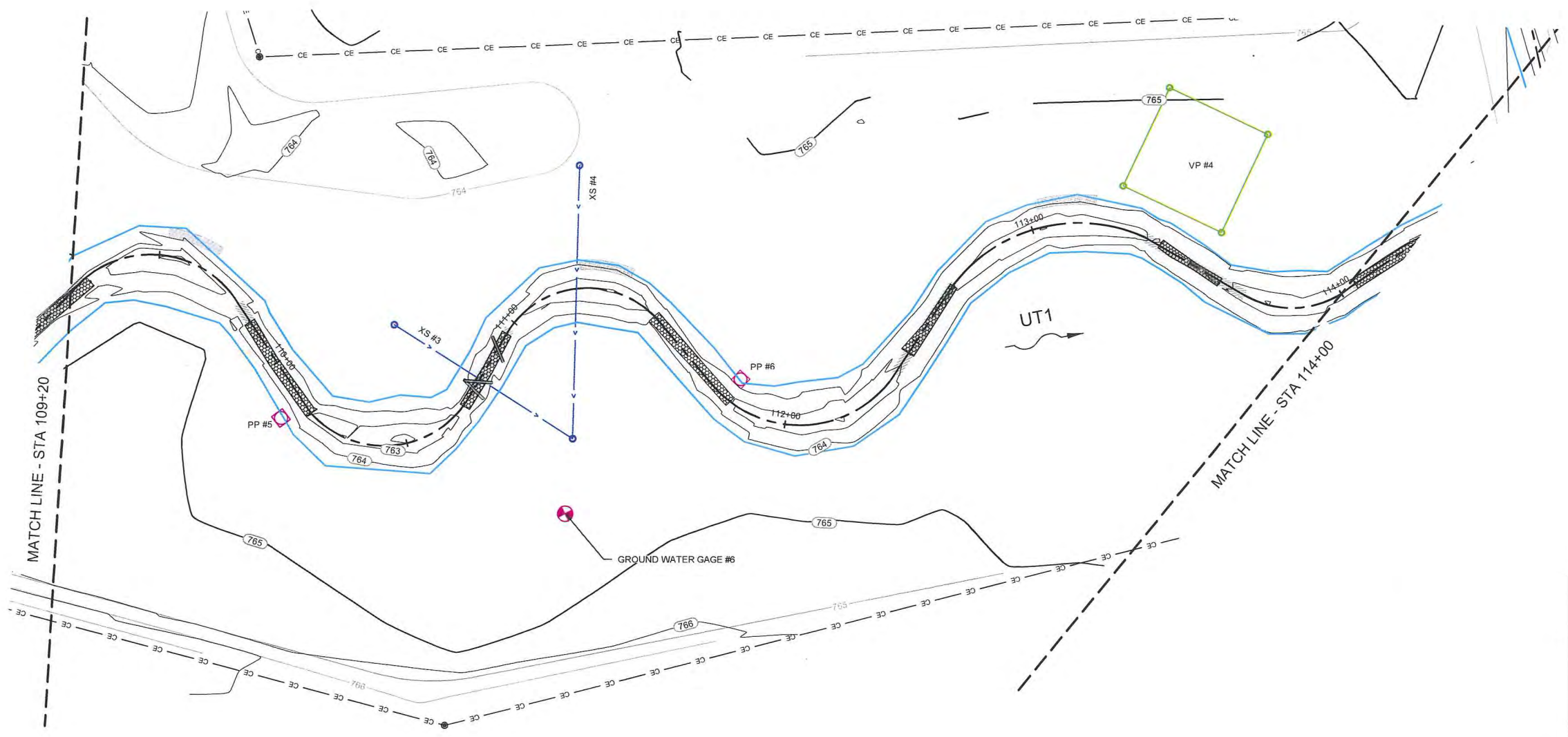
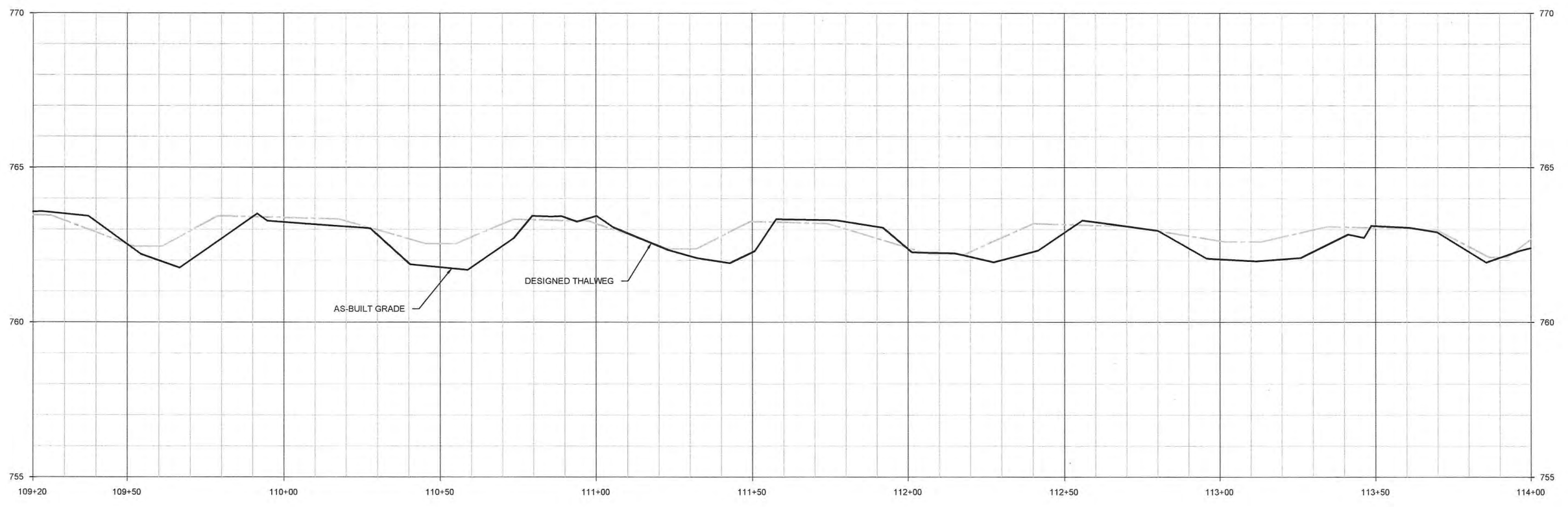


Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 Overlay Plans UT1 Reach 1 Lower

Date:	June 15, 2012
Job Number:	005-02121
Project Engineer:	CDM
Drawn By:	JKK
Checked By:	RCR

3.3

Final As-Built Plans

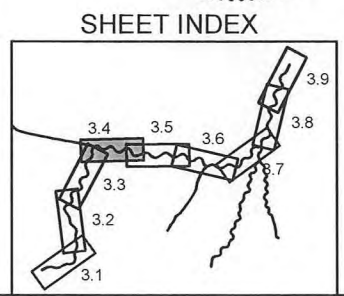
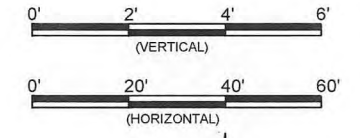
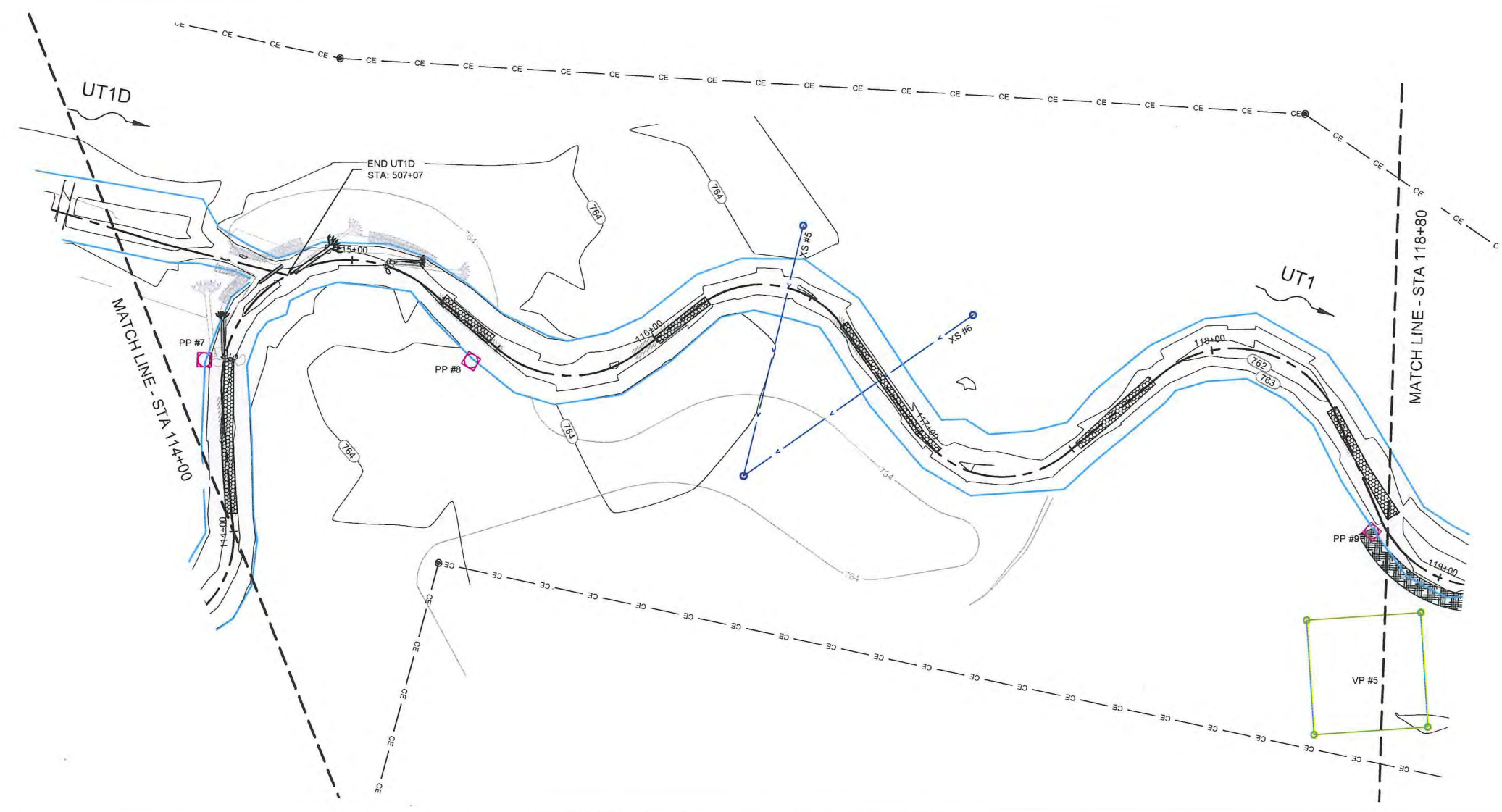
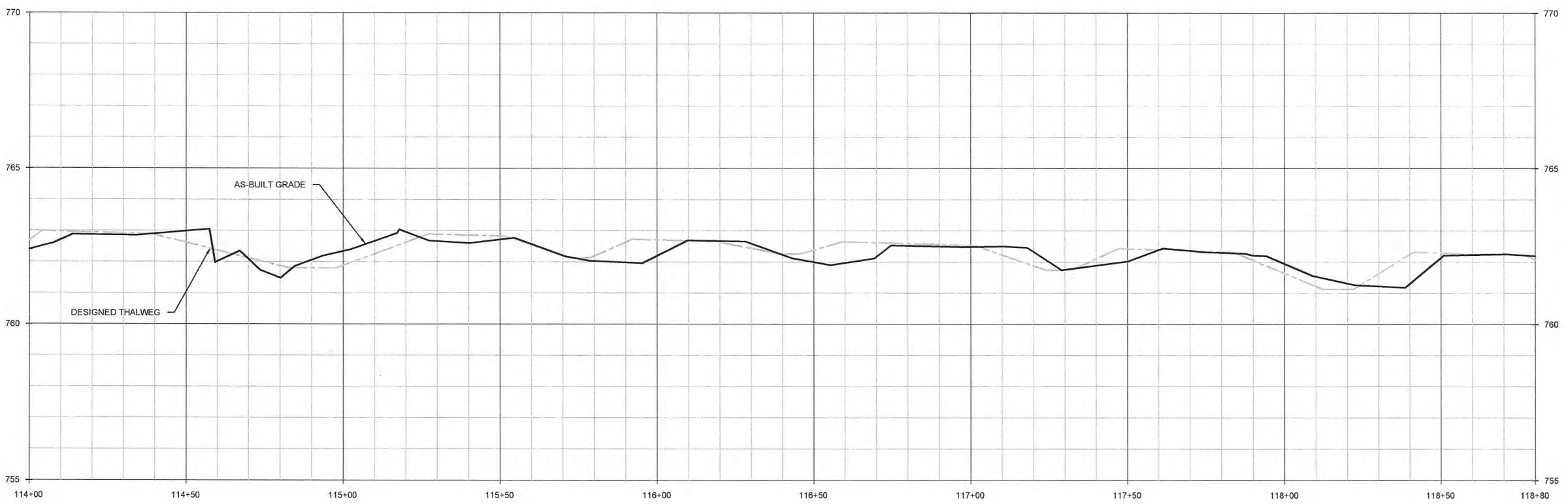


Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 Overlay Plans UT1 Reach 1 Lower

Revisions:

Date: June 18, 2012
 Job Number: 005-02123
 Project Engineer: CTM
 Designer: JCK
 Checked By: ECR

3.4



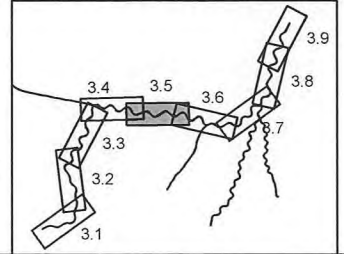
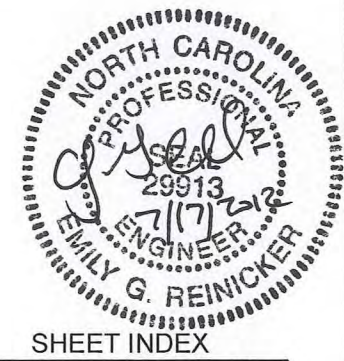
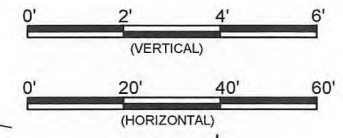
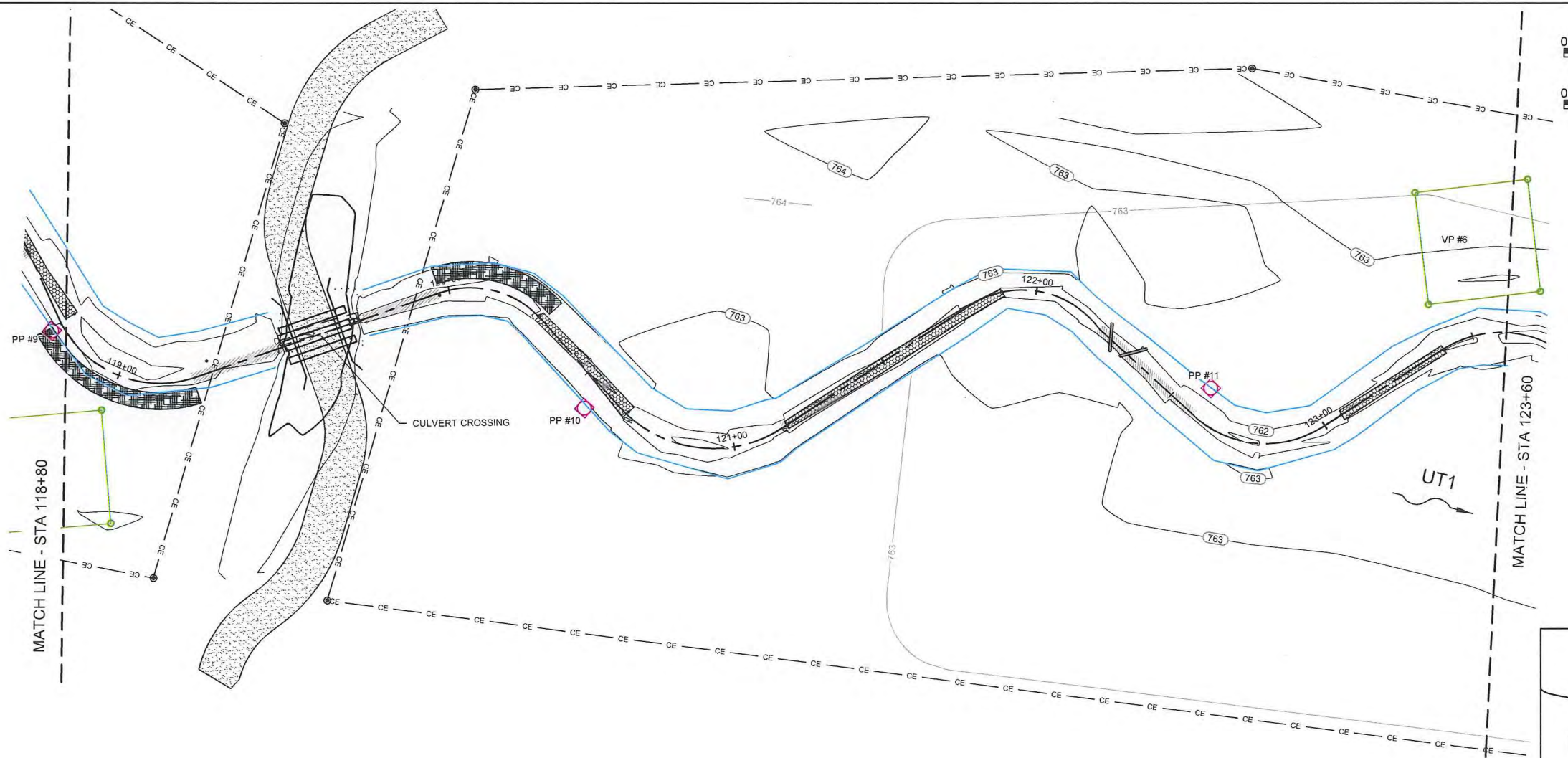
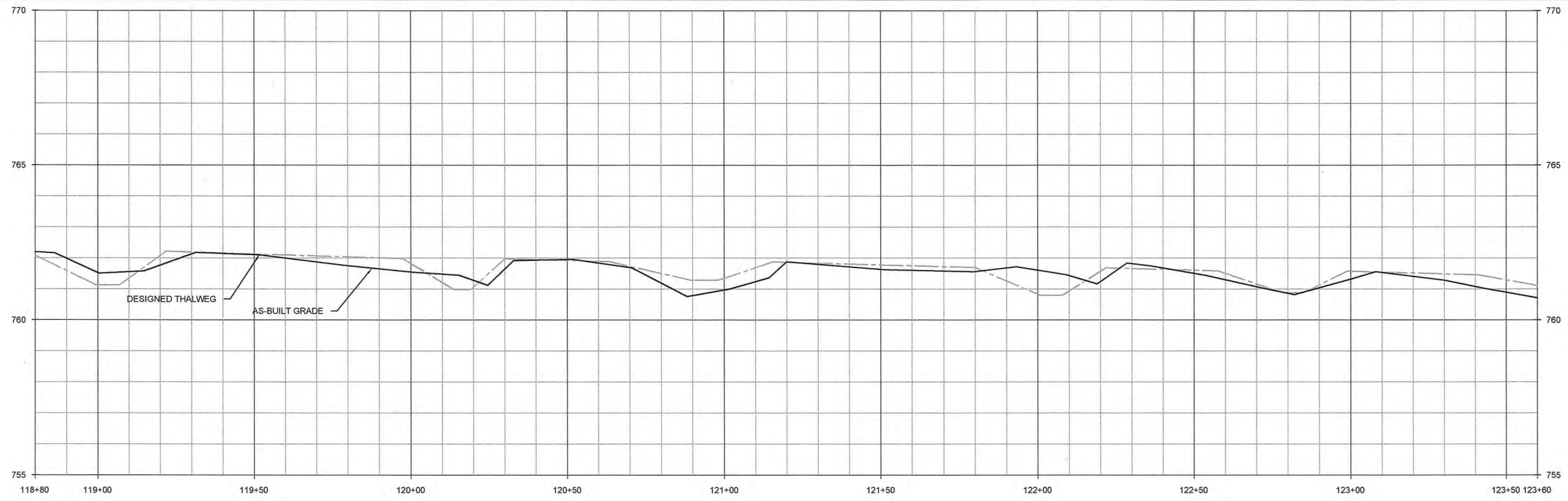
Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 Overlay Plans UT1 Reach 1 Lower

Revisions:

Date: June 15, 2012

Job Number:	095.02123
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	EGR

3.5



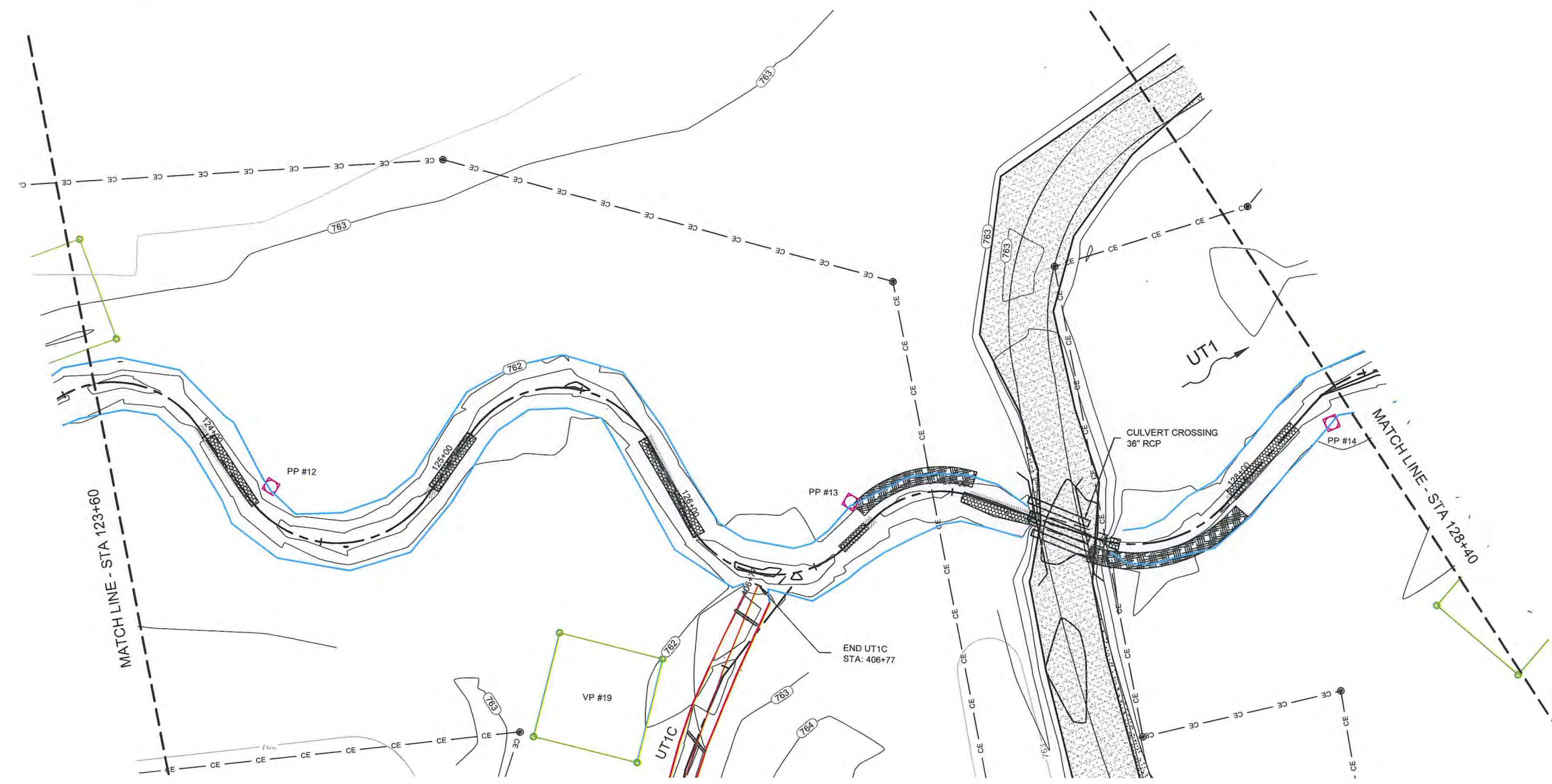
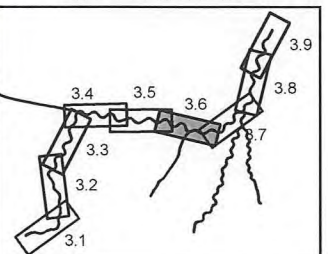
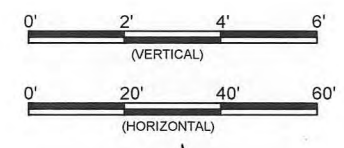
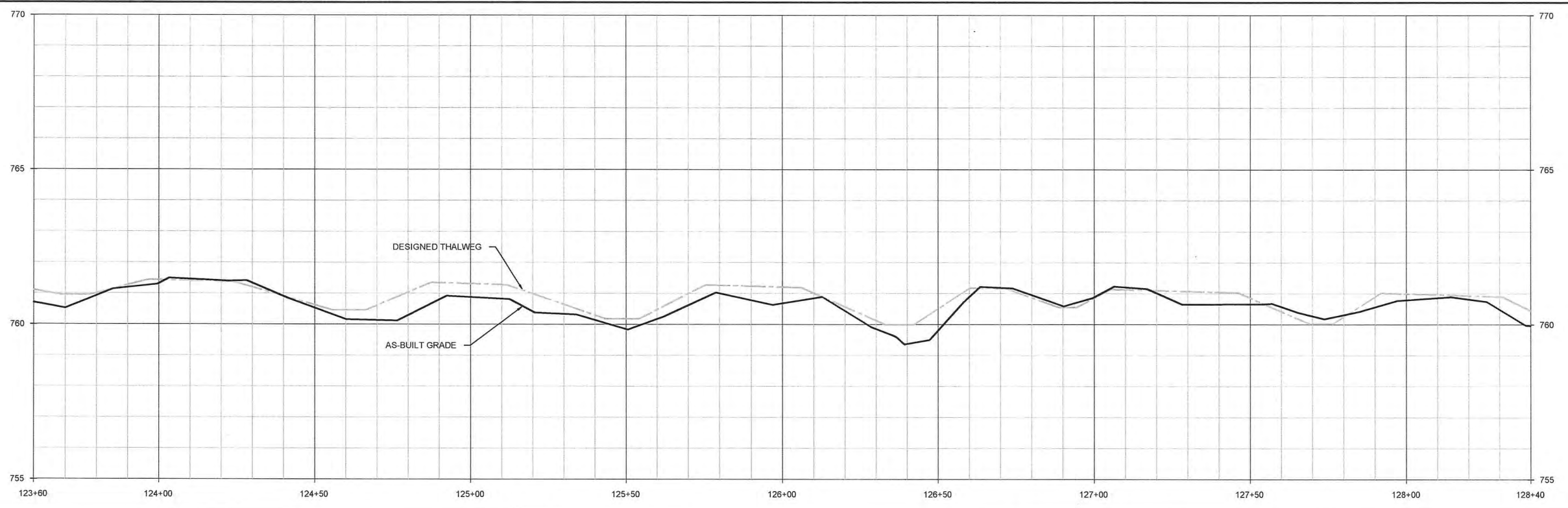
Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 Overlay Plans UT1 Reach 1 Lower

Revisions

Date: June 15, 2012
 Job Number: 085-02123
 Project Engineer: CDM
 Drawn By: JCS
 Checked By: EGR

3.6

Final As-Built Plans

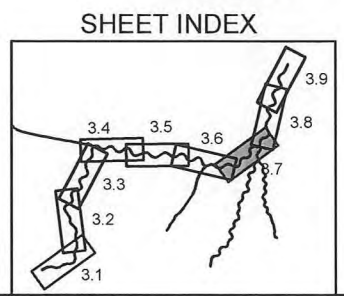
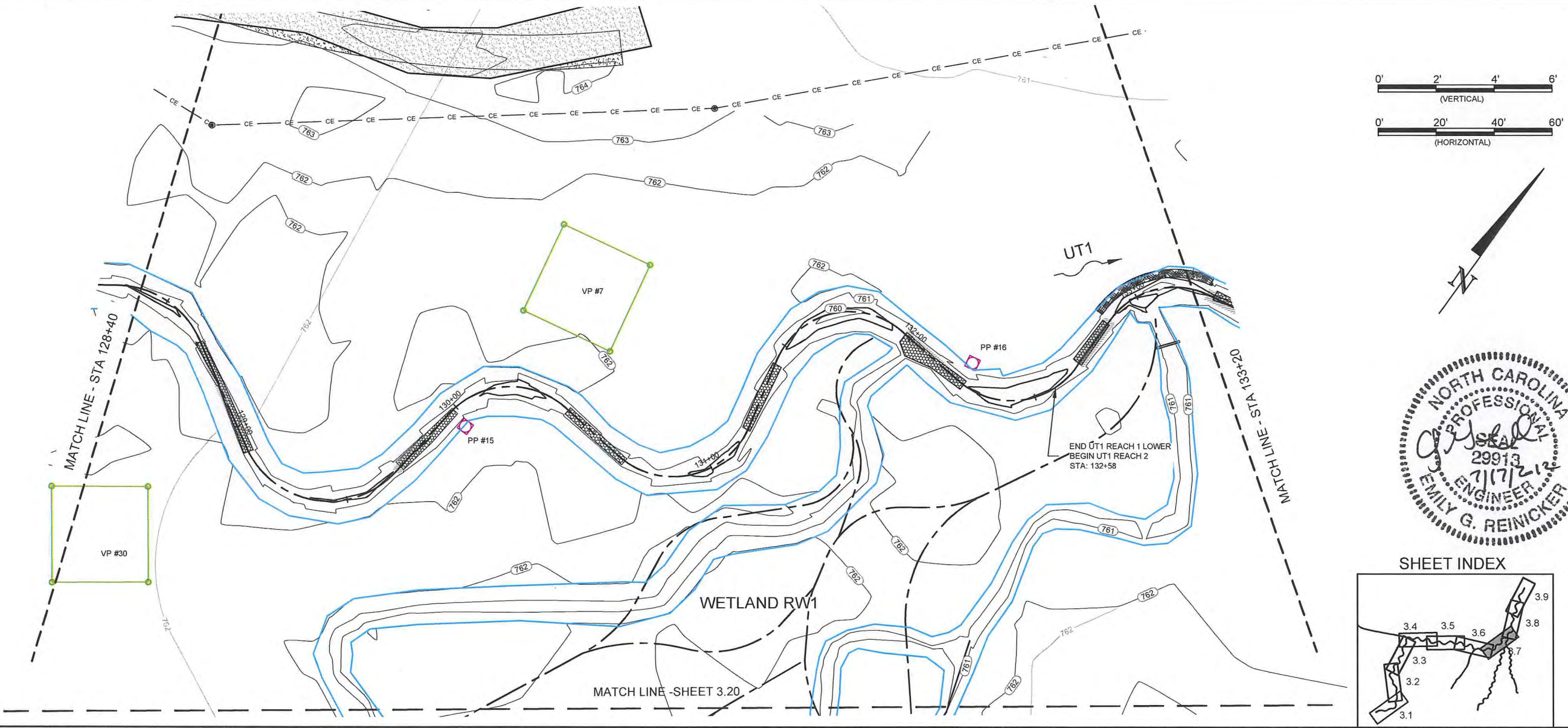
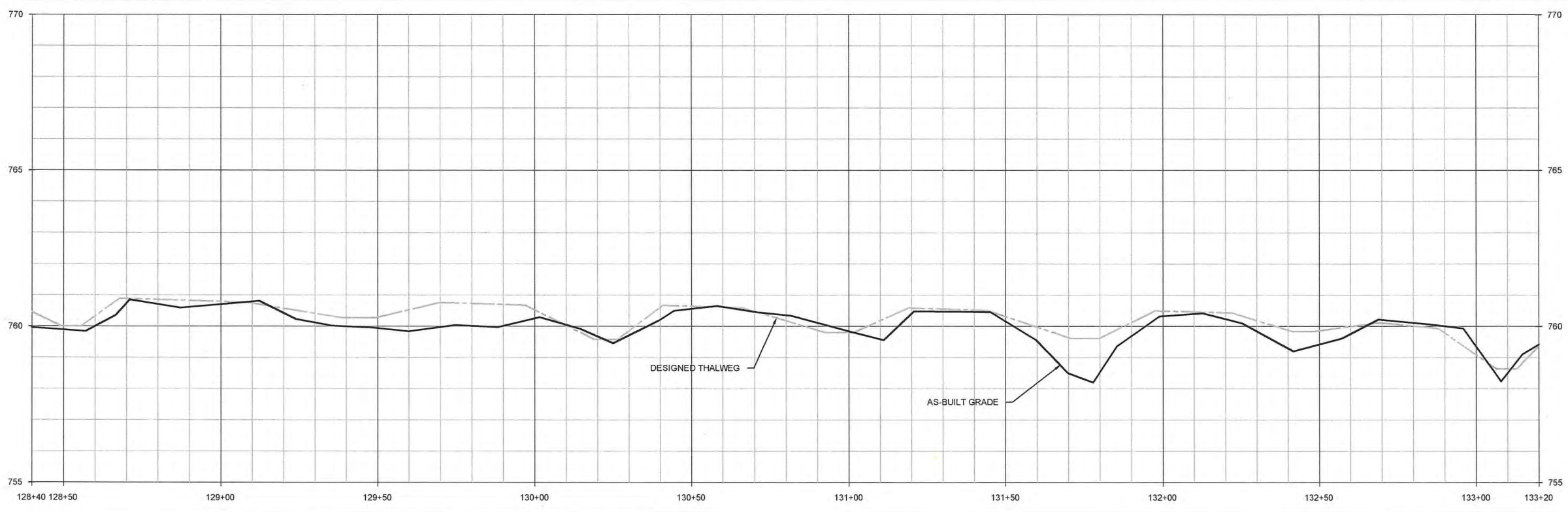


Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 Overlay Plans UT1 Reach 1 Lower

Revisions:	
Date:	June 14, 2012
Job Number:	005-02121
Project Engineer:	CTM
Drawn By:	JCK
Checked By:	EGR

3.7

Final As-Built Plans

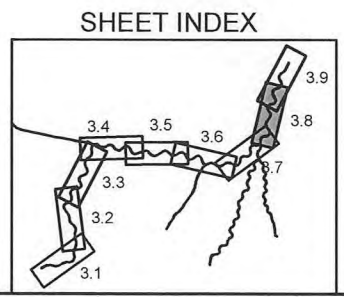
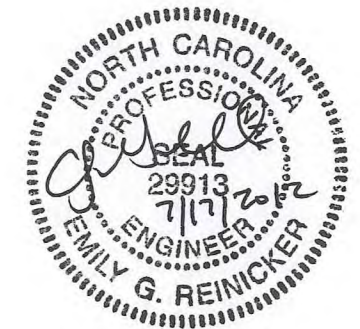
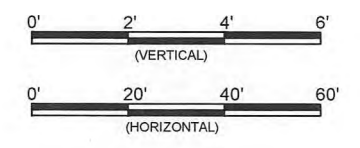
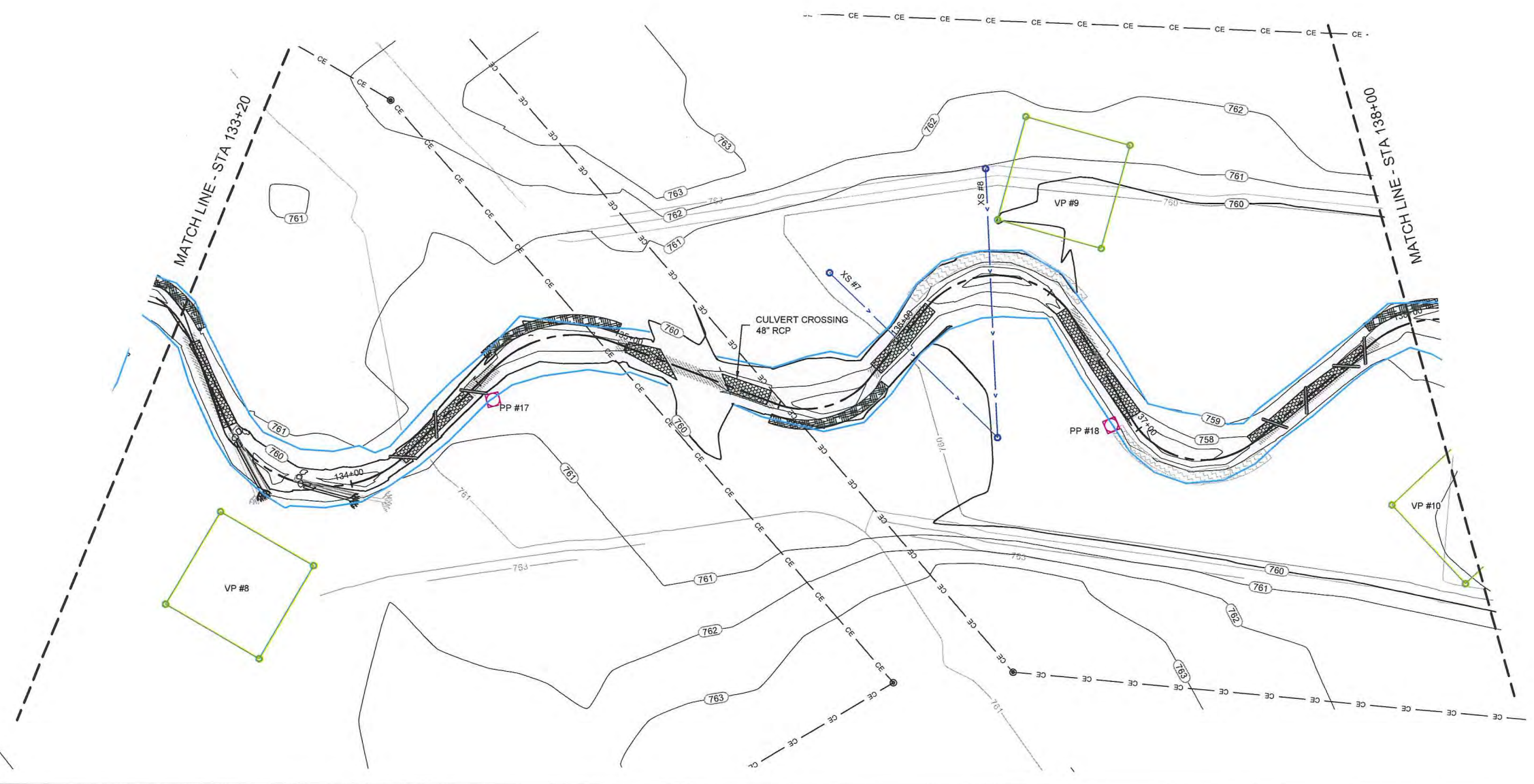
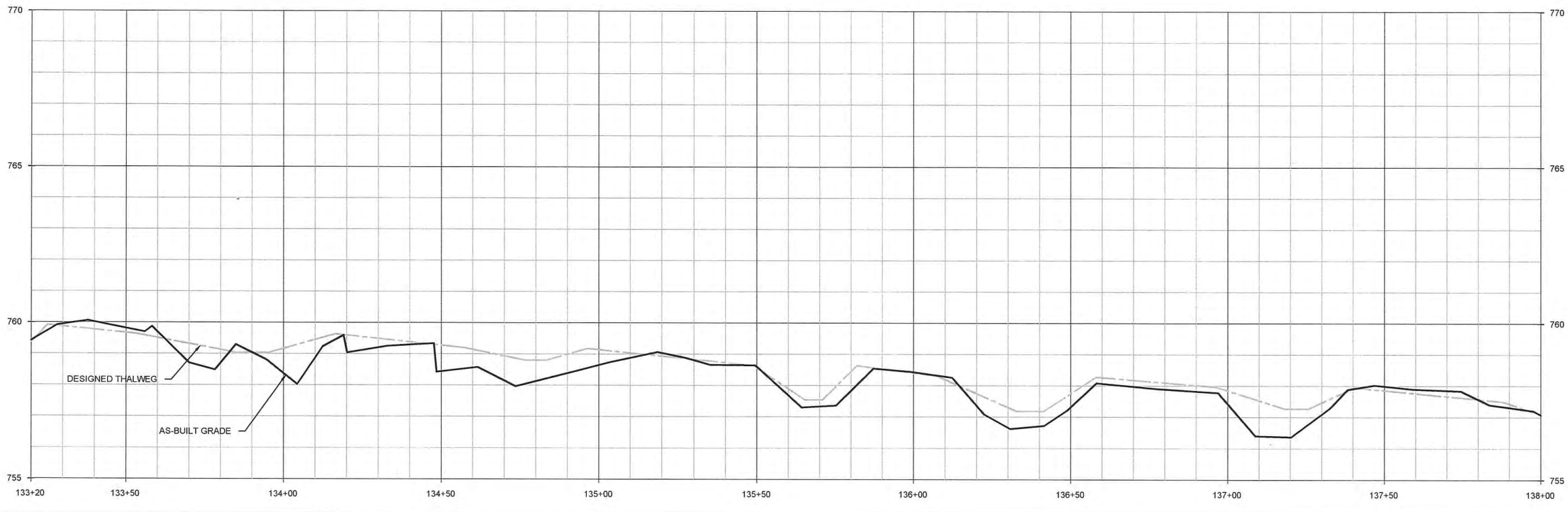


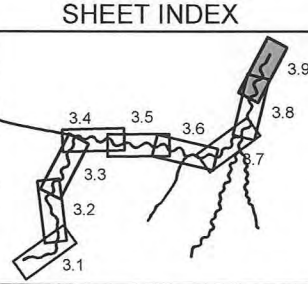
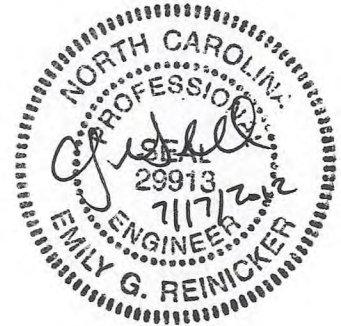
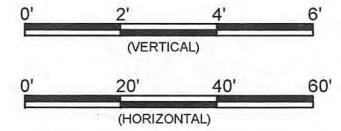
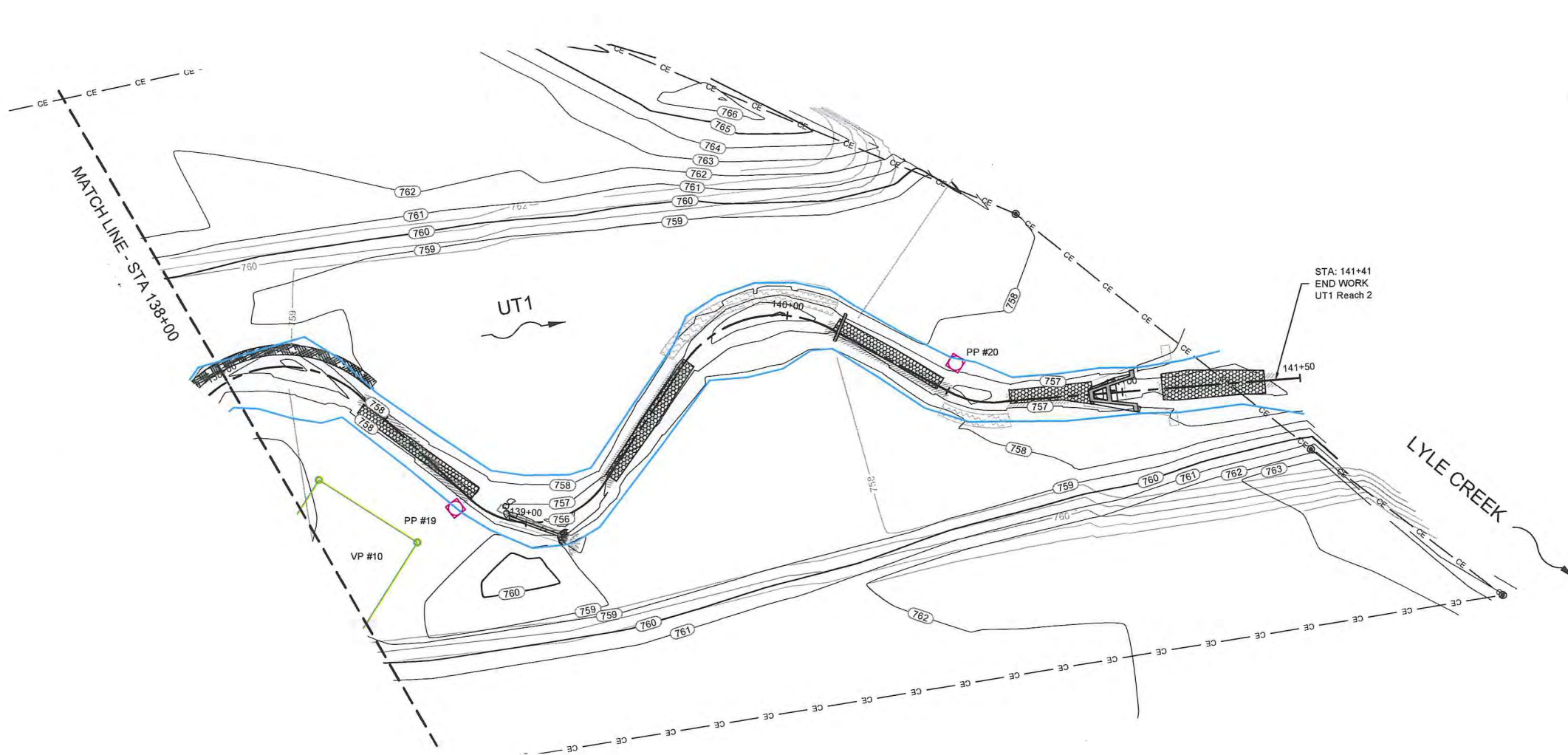
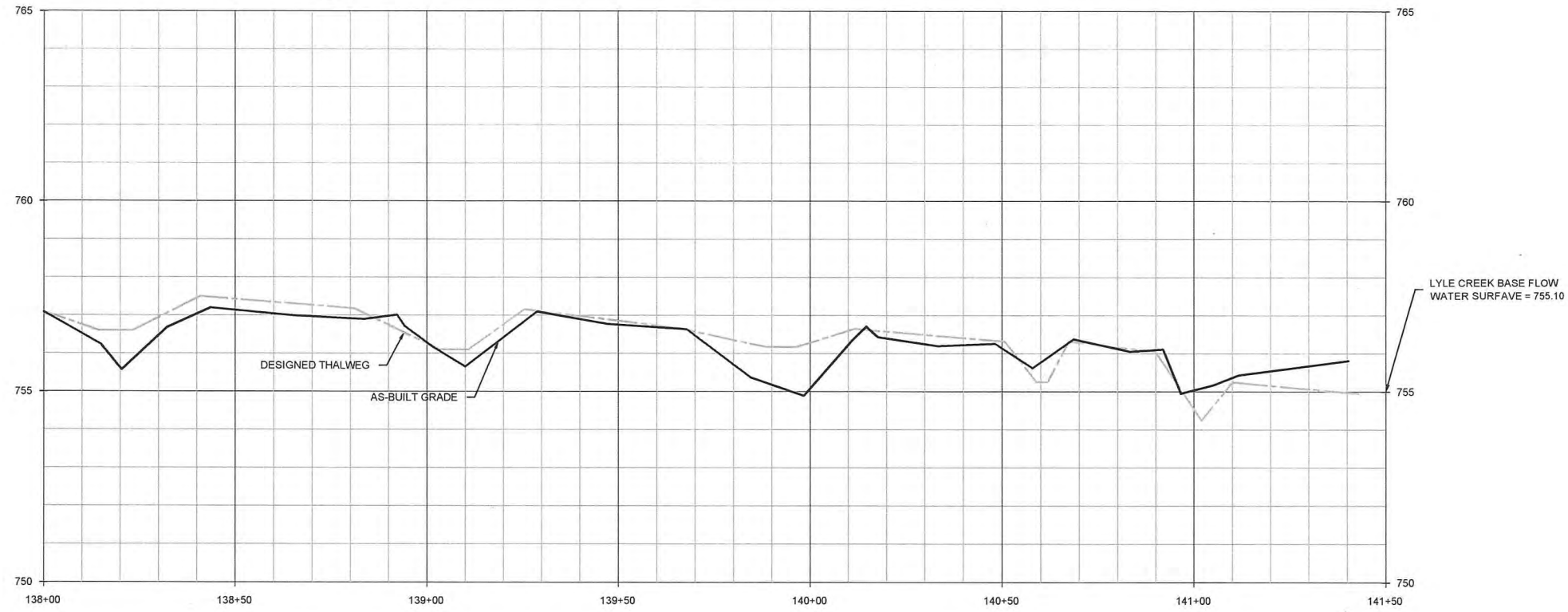
Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 Overlay Plans UT1 Reach 2

Revisions:

Date:	June 15, 2012
Job Number:	065-0212
Project Engineer:	CDM
Drawn by:	JCS
Checked by:	RCR

3.8





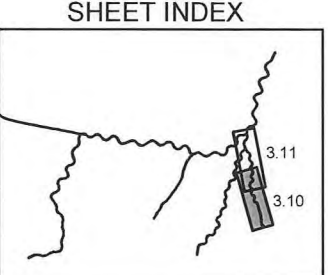
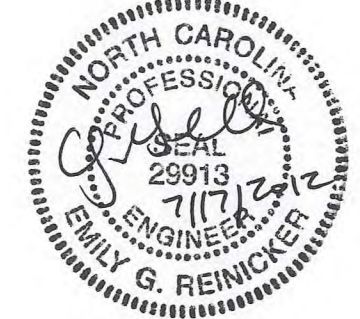
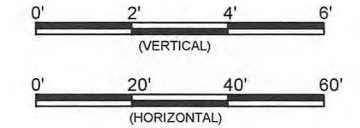
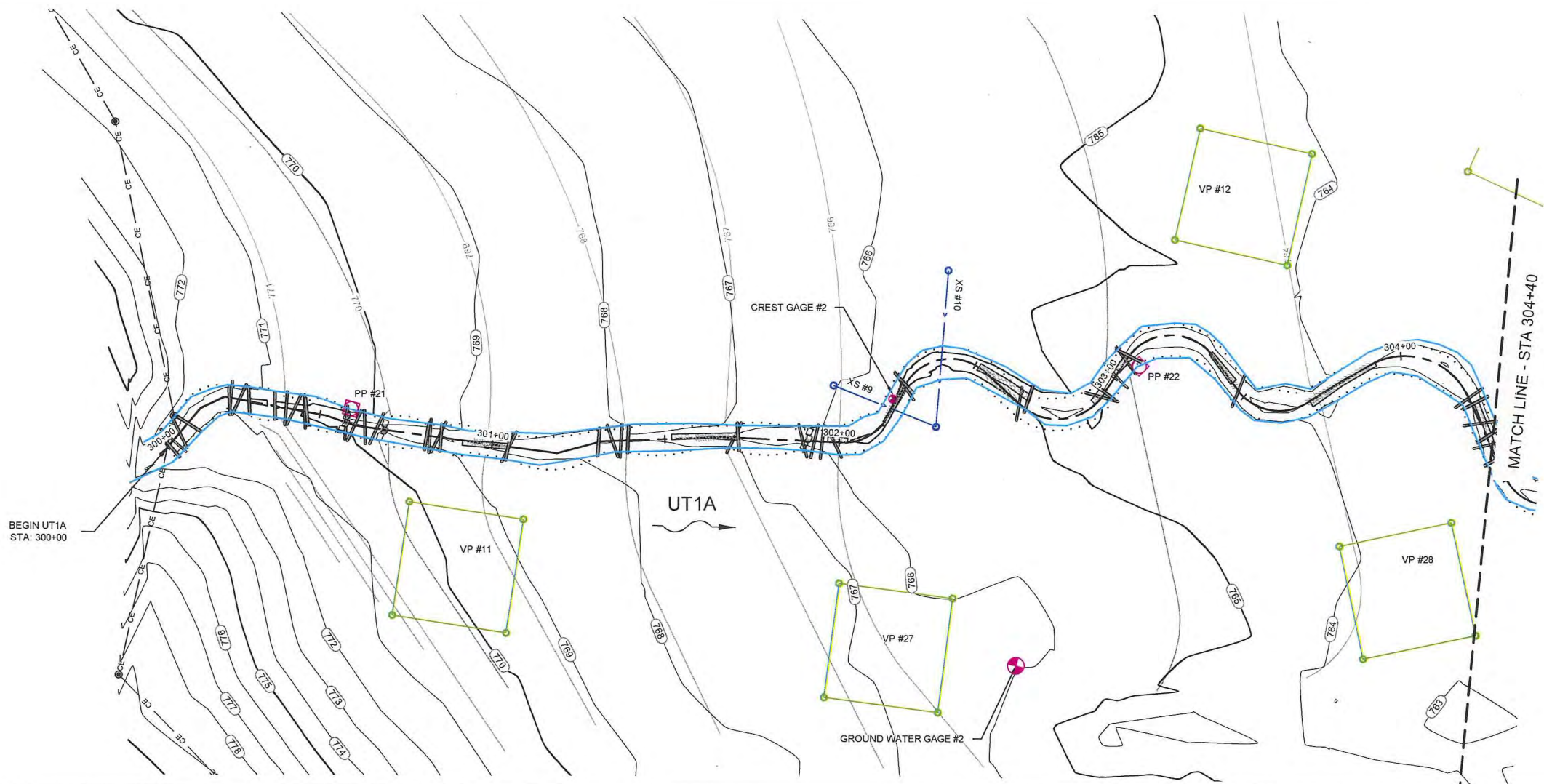
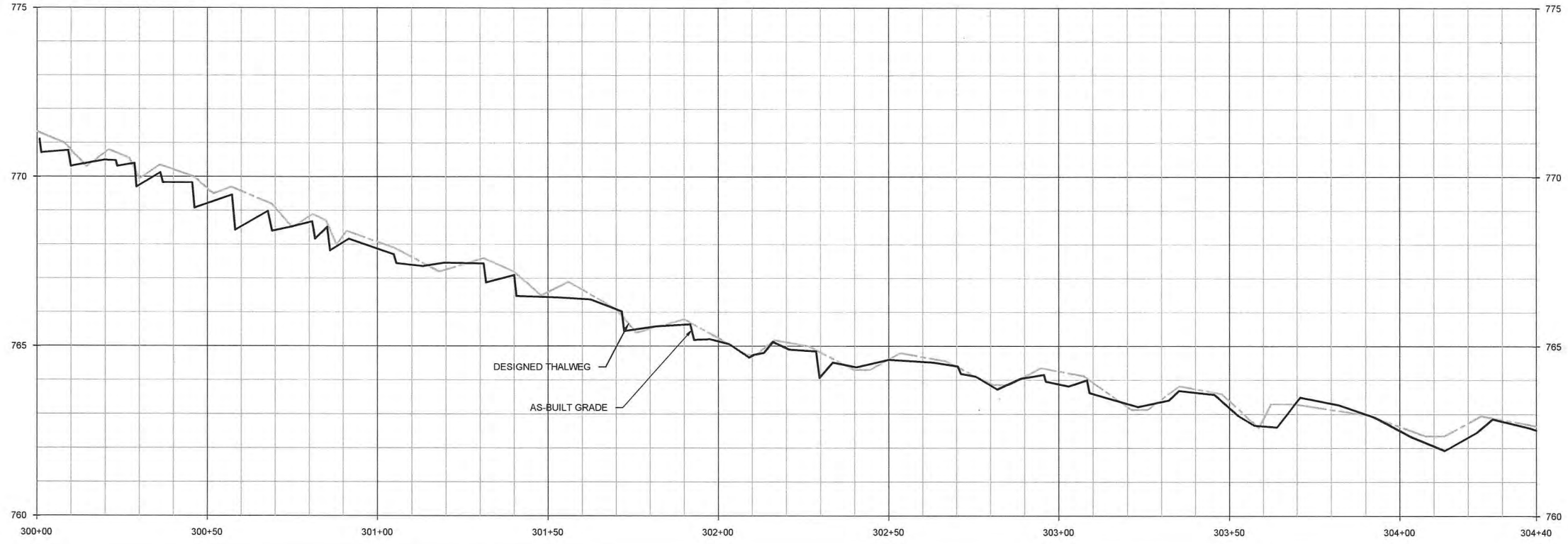
Lyle Creek Mitigation Site
Catawba, North Carolina
Stream Plan and Profile
Overlay Plans UT1 Reach 2

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Firm License No. F-0831

Revisions

June 15, 2012
Job Number: 005-0212
Project Engineer: CDD
Drawn By: JCG
Checked By: EGR

3.9

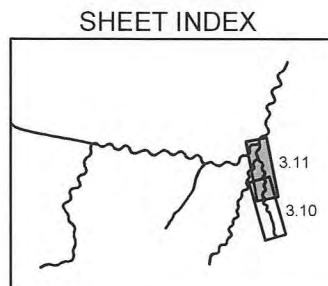
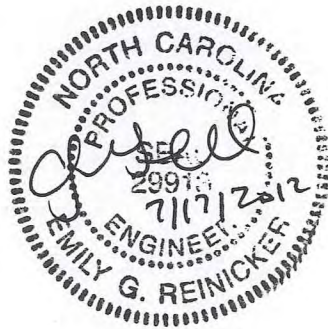
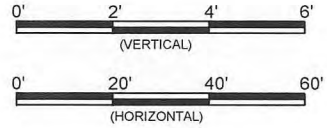
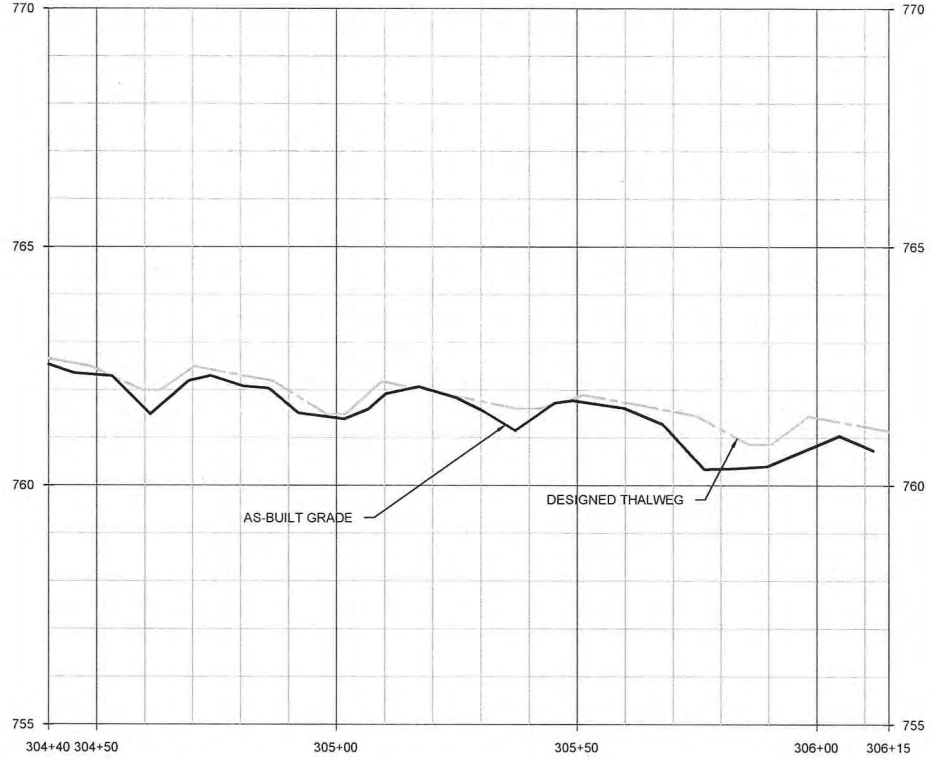
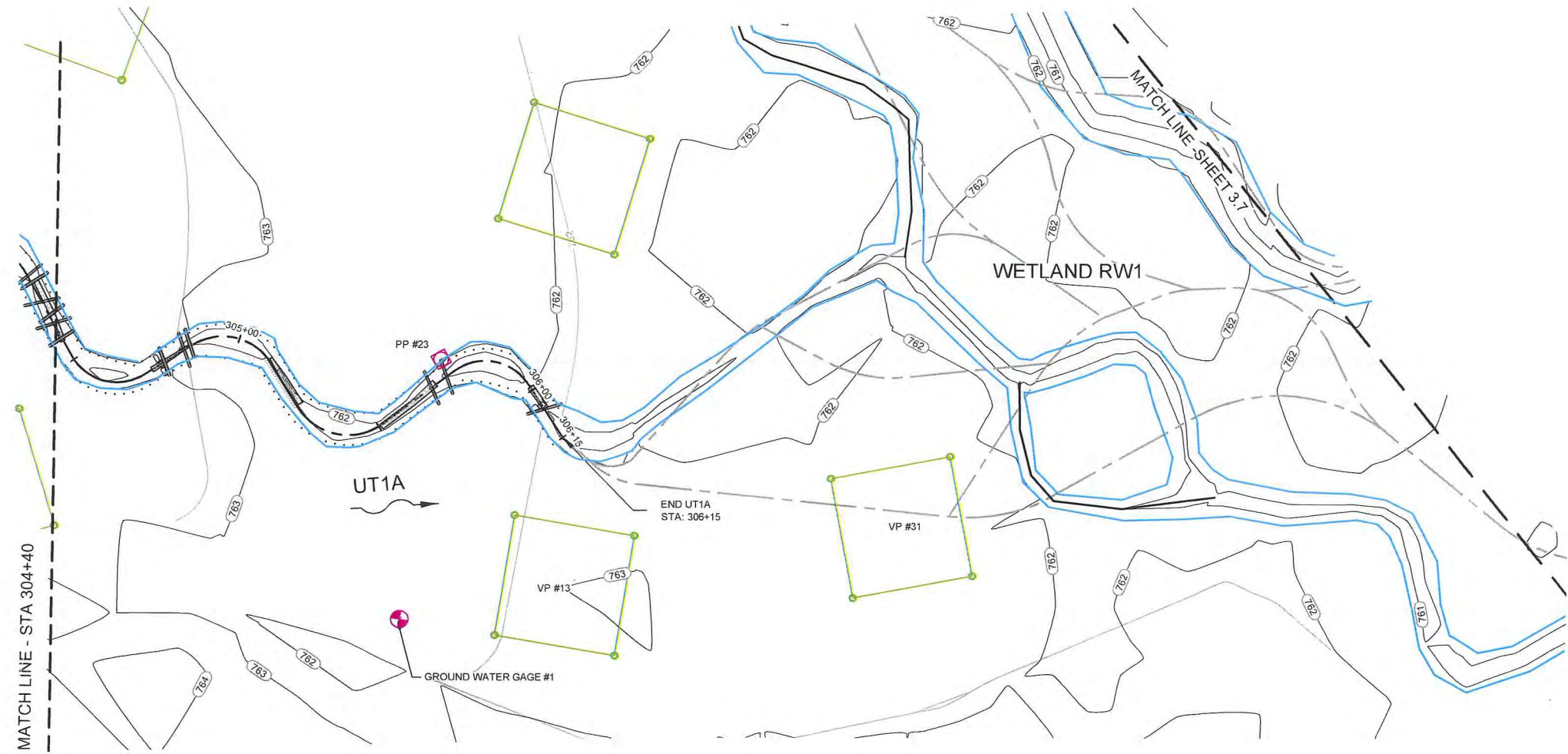


Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 Overlay Plans UT1A

Revisions

Date: June 15, 2012
 Job Number: 085-02321
 Project Engineer: CDM
 Drawn By: JCK
 Checked By: RGR

3.10

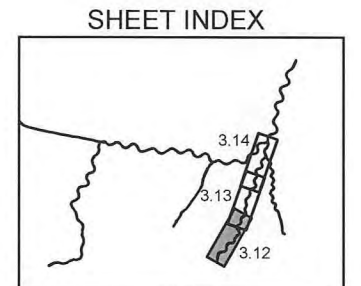
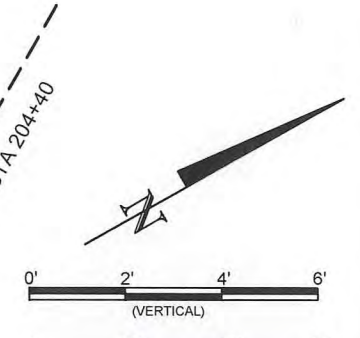
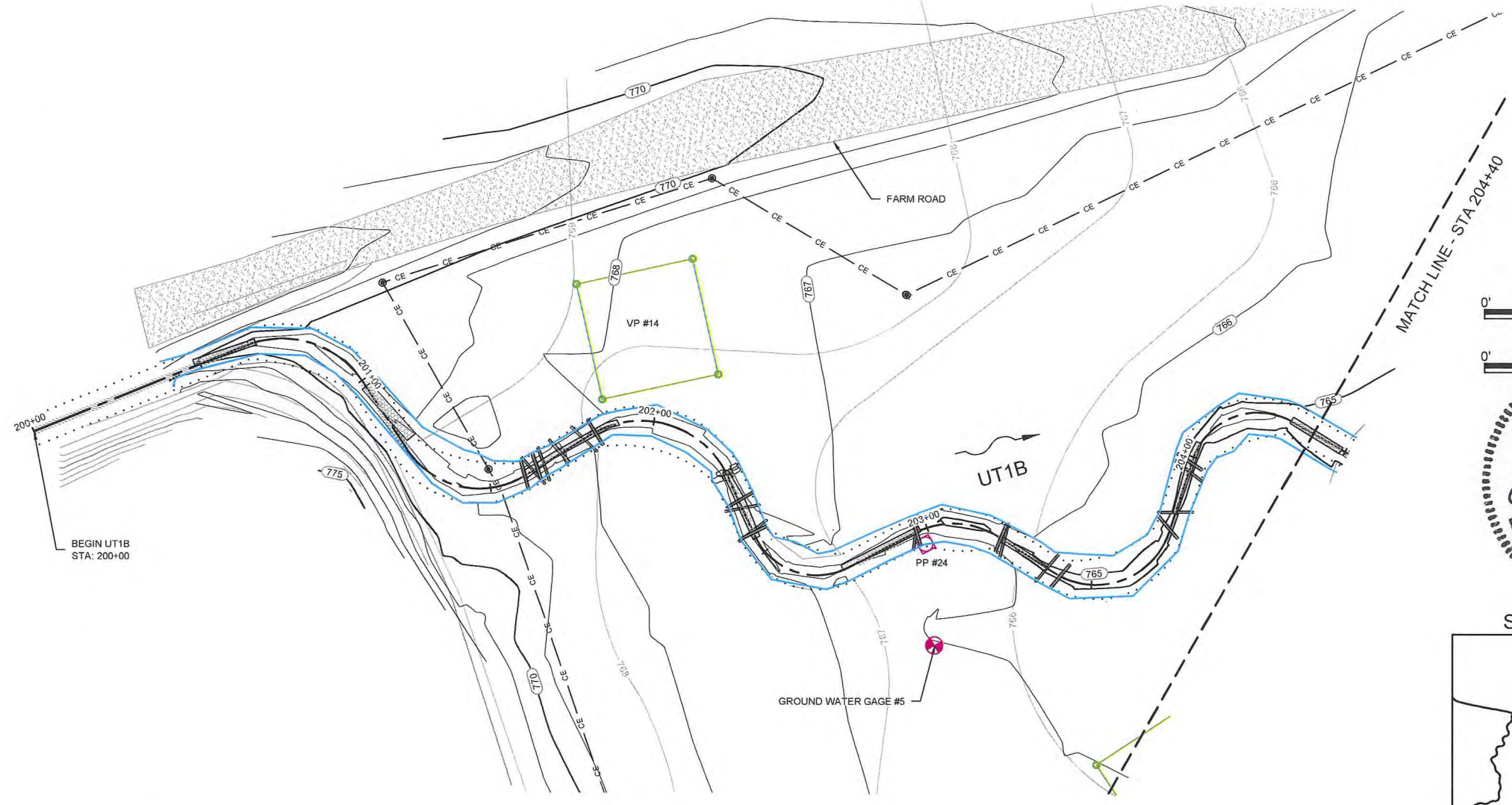
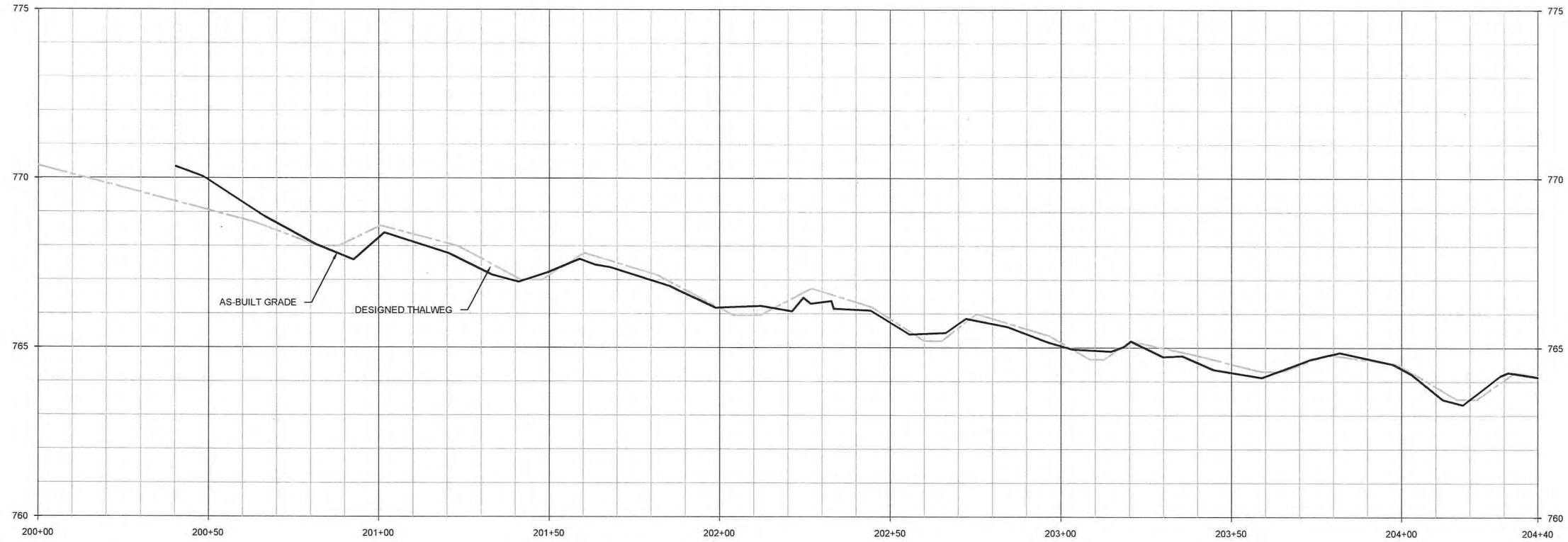


Lyle Creek Mitigation Site
Catawba, North Carolina
Stream Plan and Profile
Overlay Plans UT1A

Revisions:

Date:	June 15, 2012
Job Number:	005-0212
Project Engineer:	CDM
Drawn By:	J/K
Checked By:	ECR

3.11



Lyle Creek Mitigation Site
Catawba, North Carolina
Stream Plan and Profile
Overlay Plans UT1B

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1430 South Main Street, Suite 104
Catawba, NC 28033
Tel: 704.332.7754
Fax: 704.332.3306
Firm License No. P-0831

Revisions:

Date: June 15, 2012
Job Number: 095.0212
Project Engineer: CDM
Drawn By: JCK
Checked By: ECR

3.12

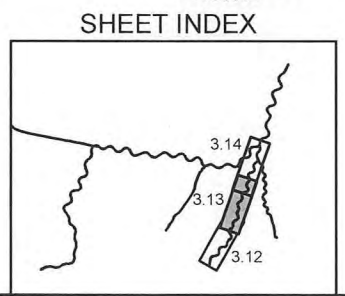
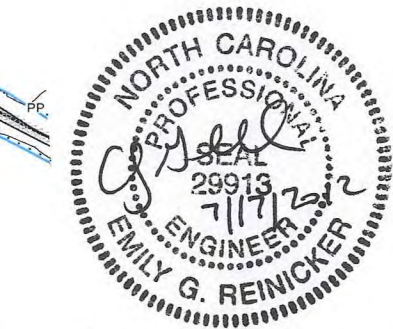
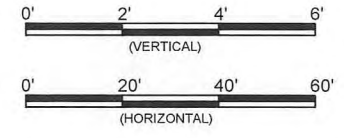
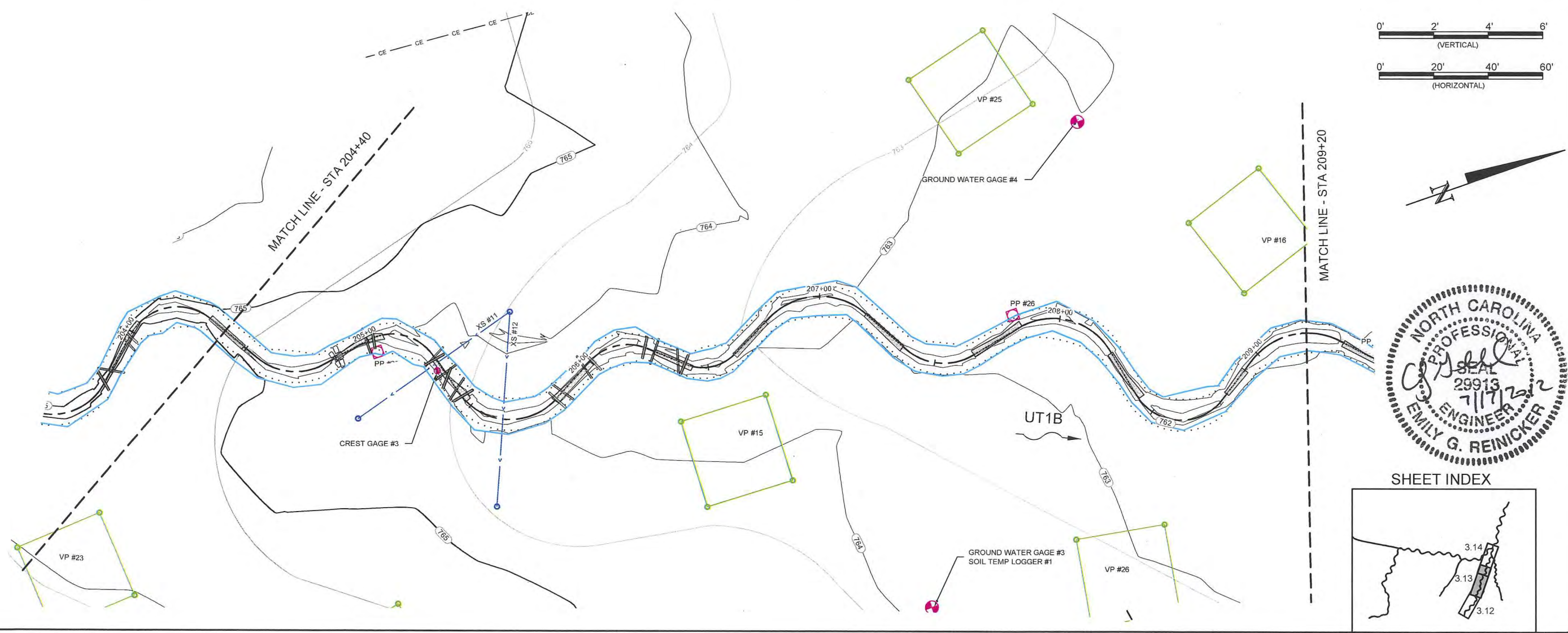
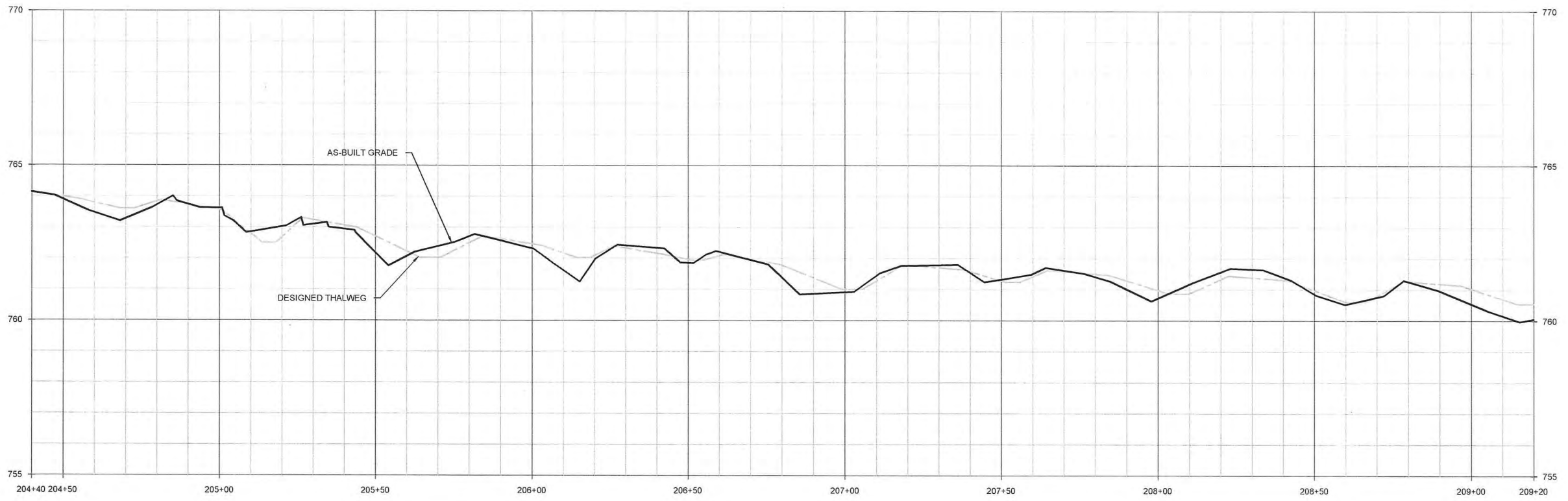
Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 Overlay Plans UT1B

Revisions

Date: June 15, 2012
 Job Number: 095-02123
 Project Engineer: CDM
 Drawn By: JCK
 Checked By: EGR

3.13

Final As-Built Plans



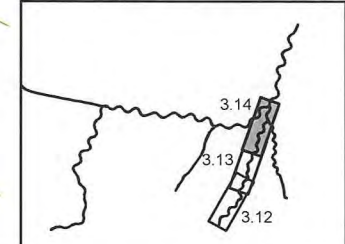
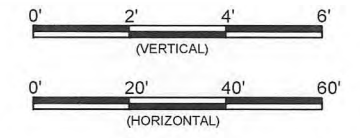
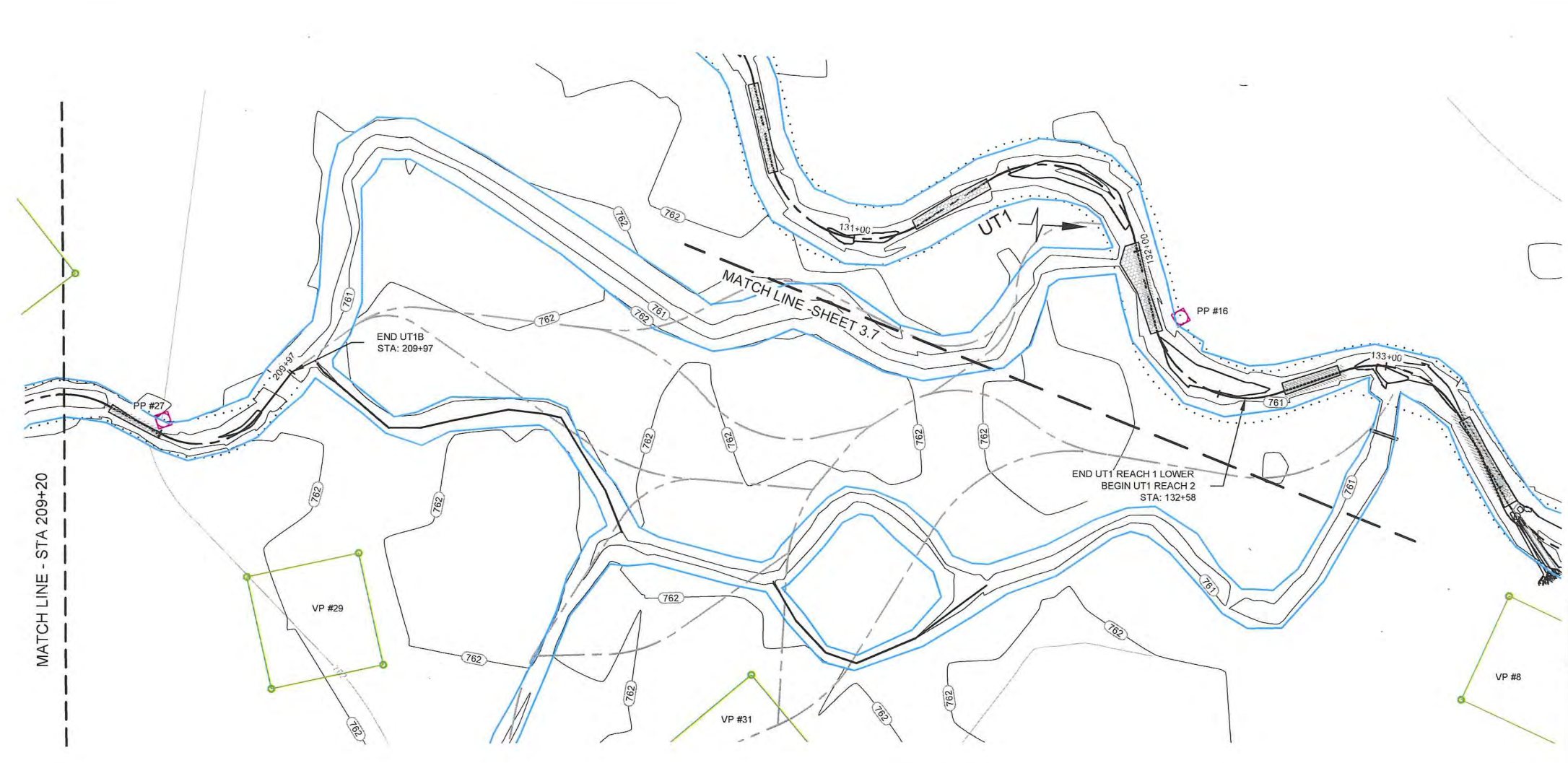
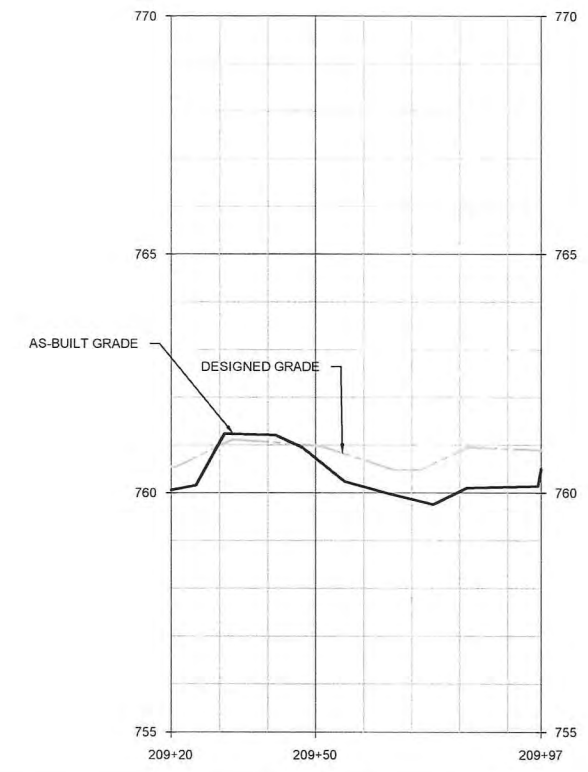
Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 Overlay Plans UT1B

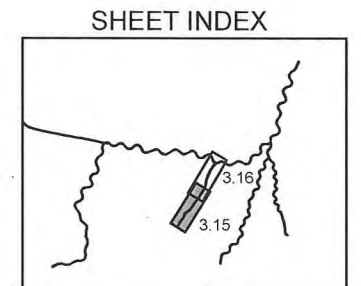
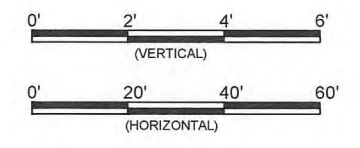
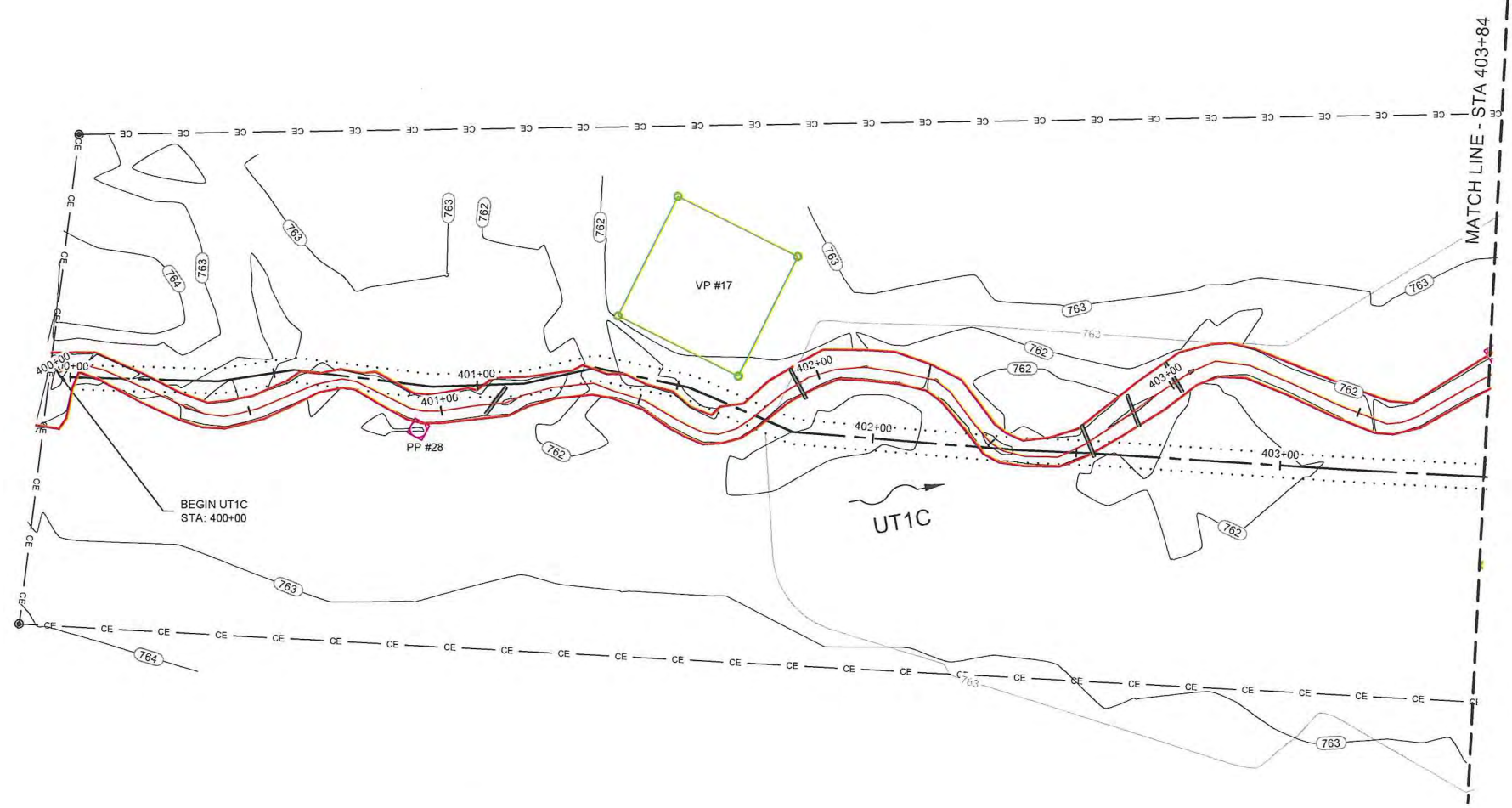
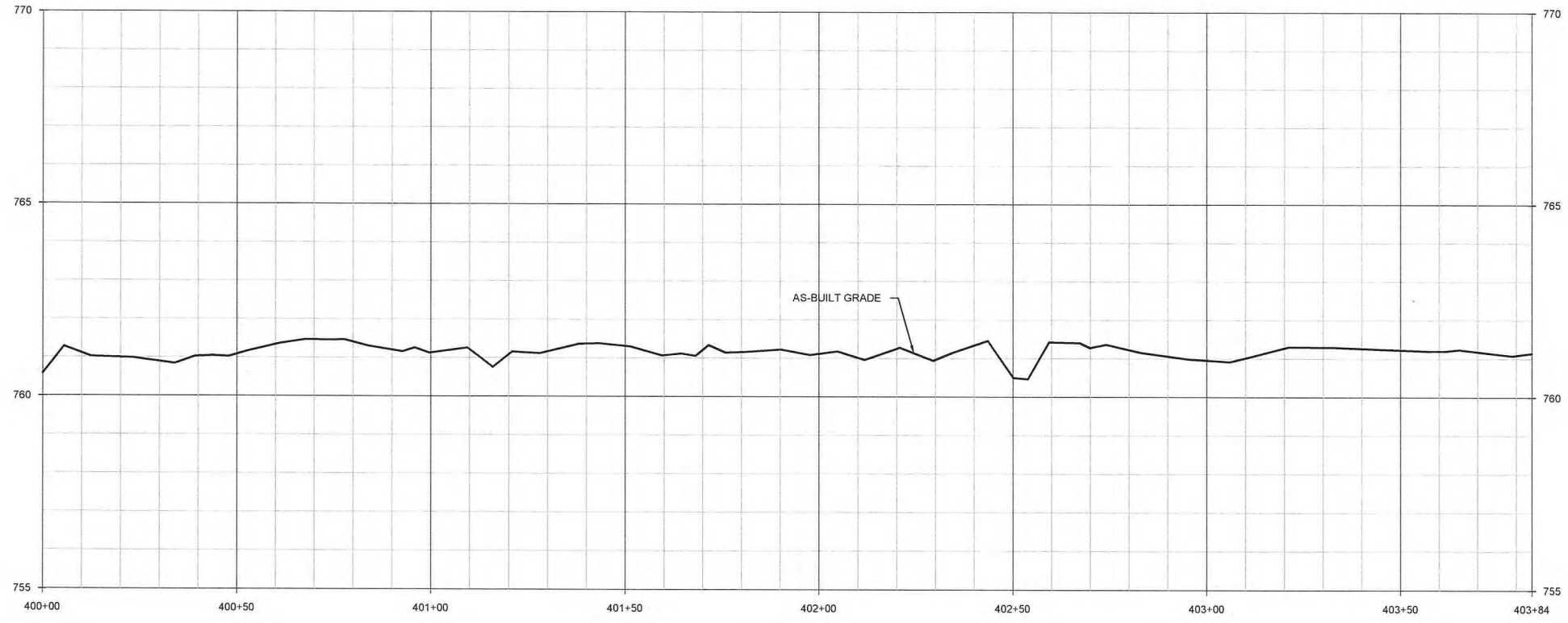
Revisions:

Date:	June 15, 2012
Job Number:	003-02123
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	ECR

3.14

Final As-Built Plans





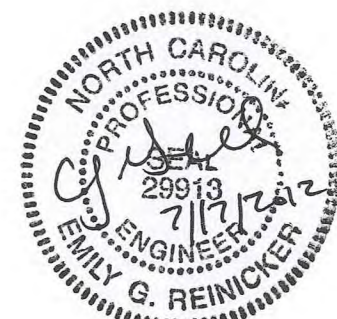
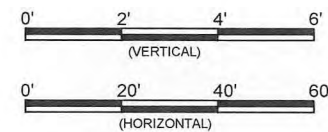
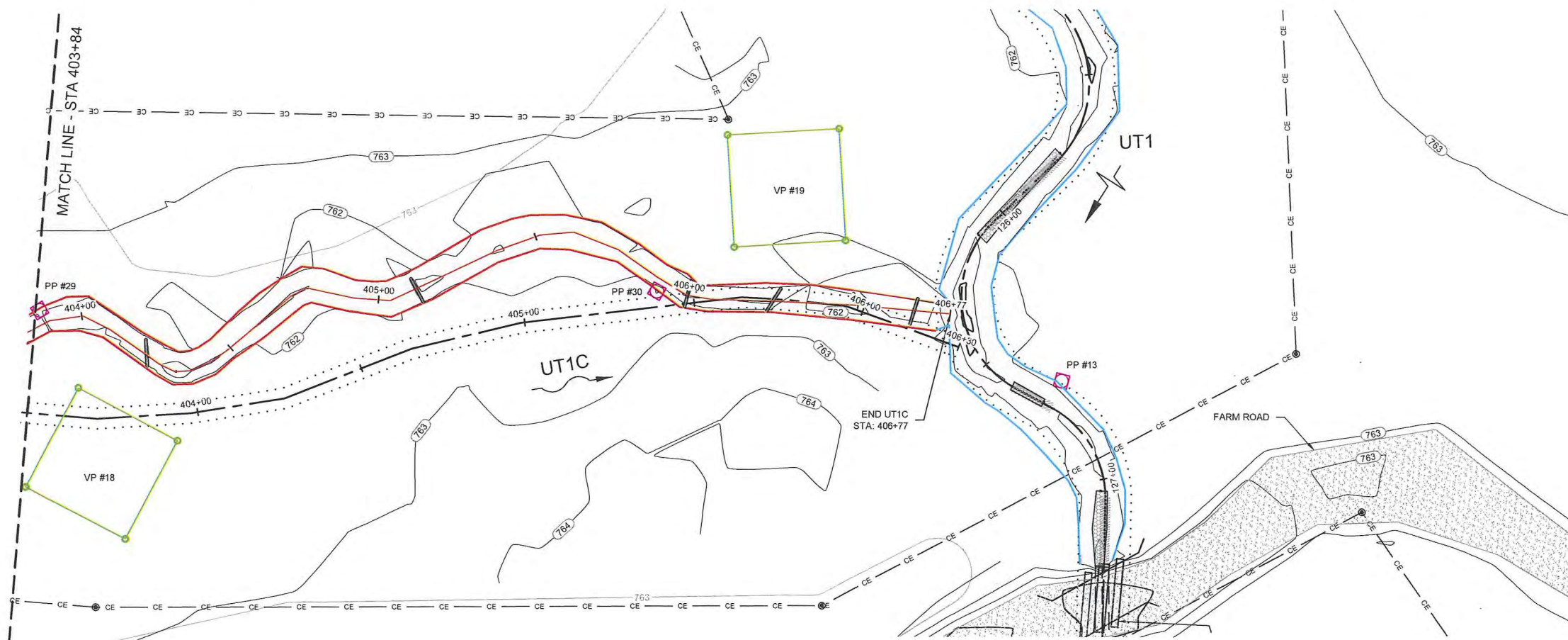
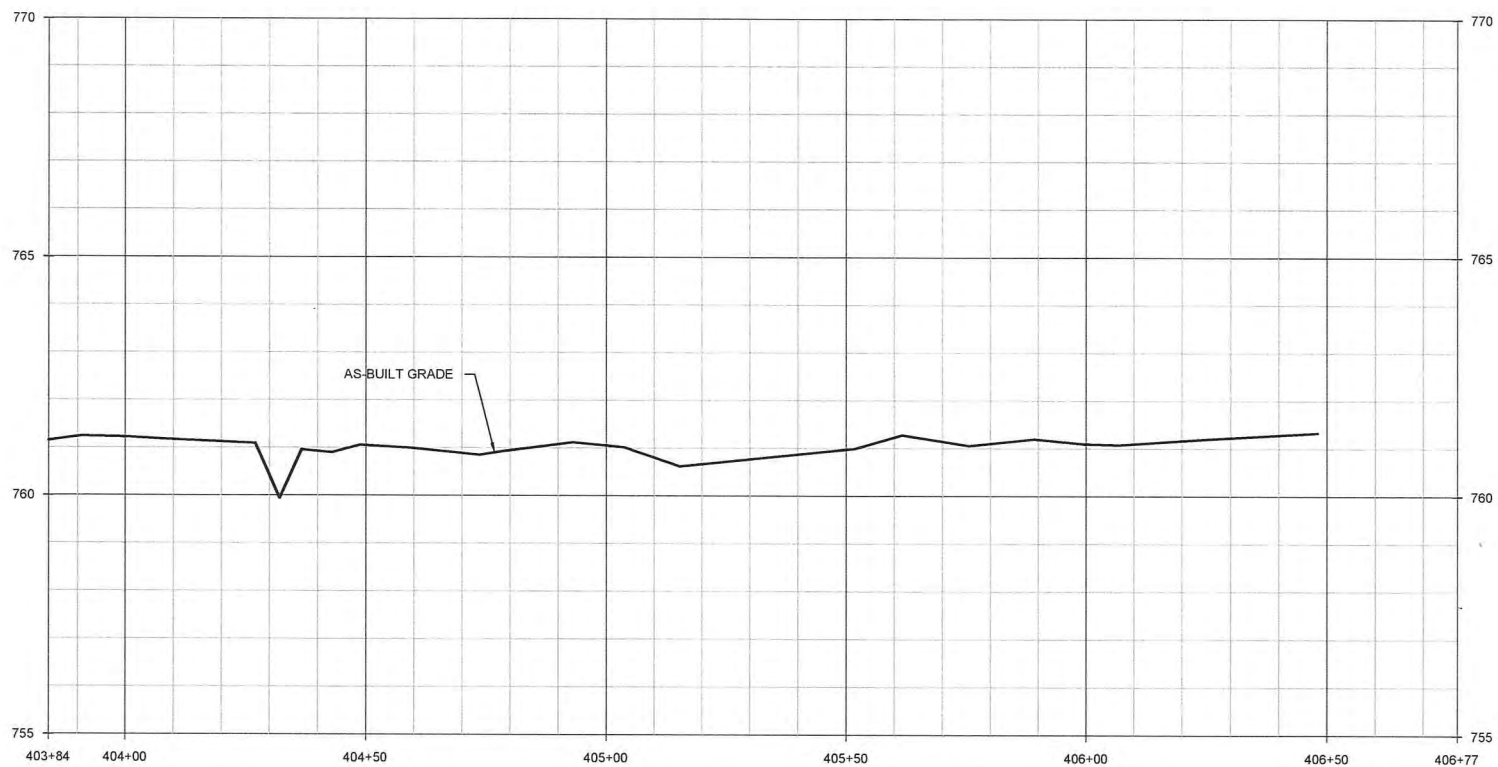
WILDLANDS
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Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 Overlay Plans UT1C

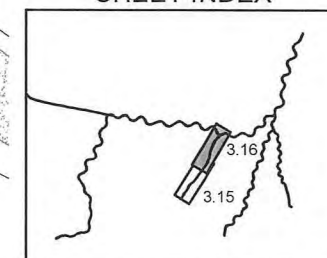
Revisions:

Date: June 15, 2012
 Job Number: 095-0213
 Project Engineer: CDM
 Drawn By: JCS
 Checked By: FGR

3.15



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Revisions:

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Job Number:	005-02121
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	EGR

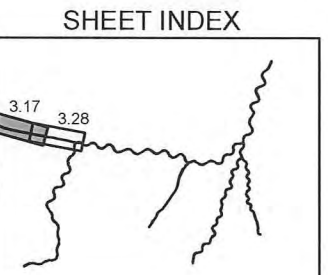
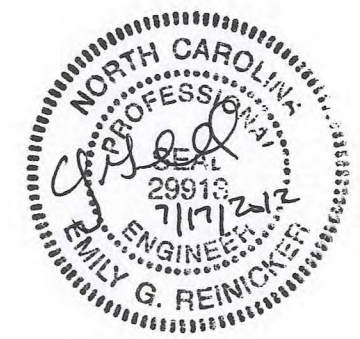
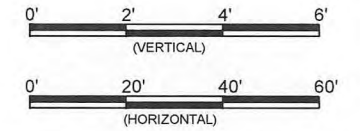
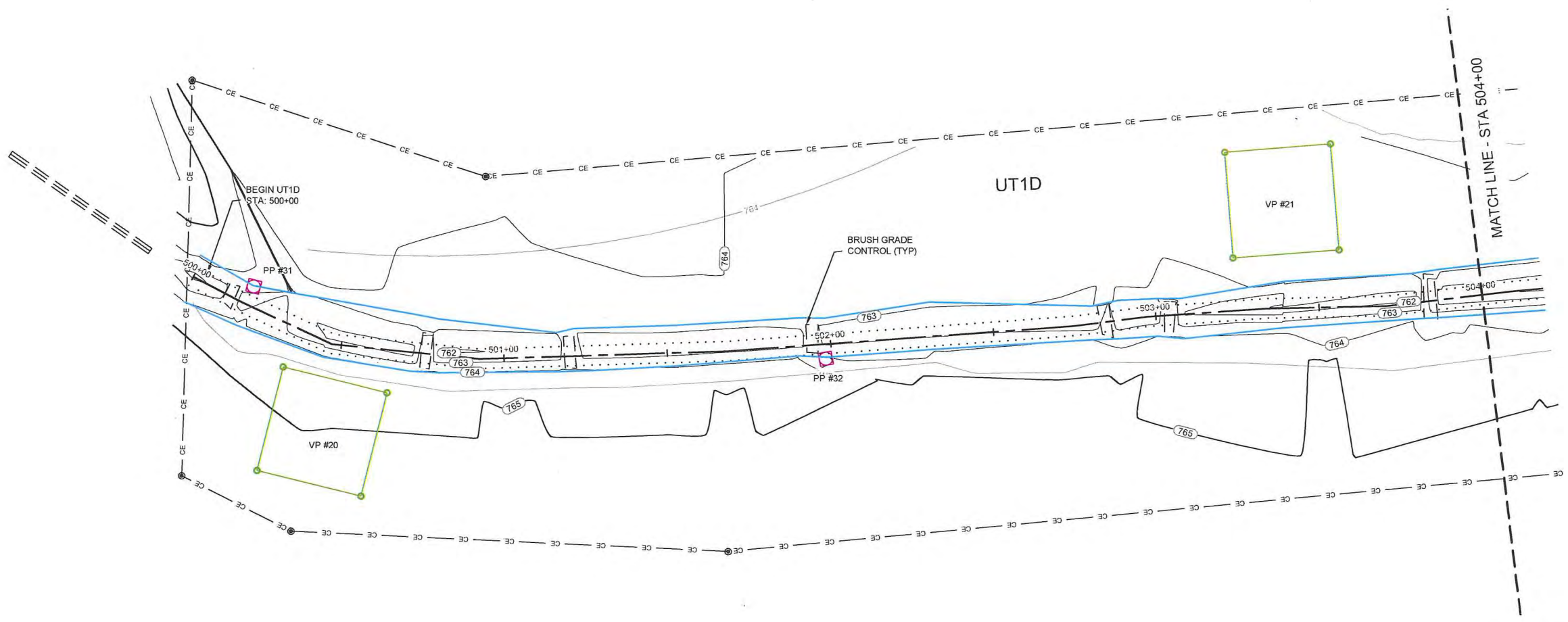
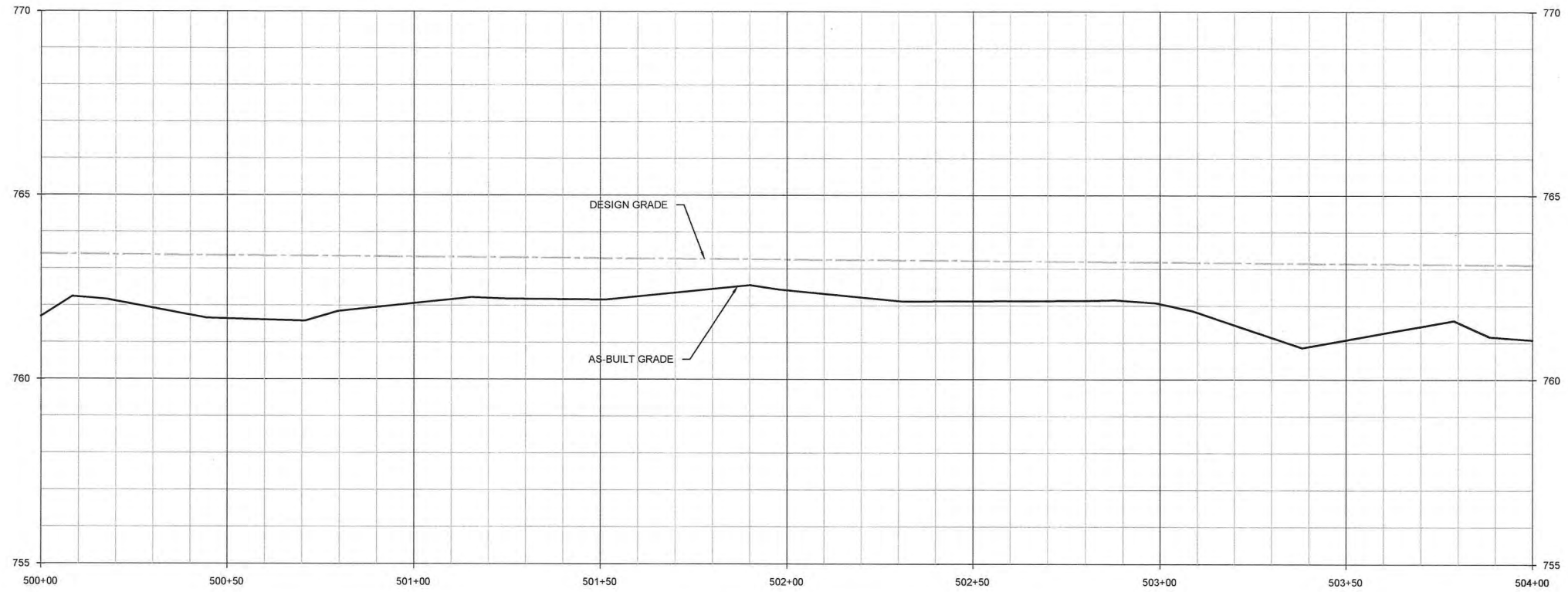
3.16

Sheet

Final As-Built Plans

Lyle Creek Mitigation Site
Catawba, North Carolina
Stream Plan and Profile
Overlay Plans UTIC

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ENGINEERS
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Fax: 704.332.3306
Firm License No. F-4831



Lyle Creek Mitigation Site
Catawba, North Carolina
Stream Plan and Profile
Overlay Plans UT1D

Revisions:

Date: June 15, 2012
 Job Number: 001-0212
 Project Engineer: CDM
 Drawn By: JCK
 Checked By: EGB

3.17

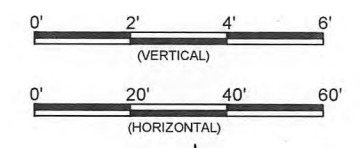
Lyle Creek Mitigation Site
Catawba, North Carolina
 Stream Plan and Profile
 Overlay Plans UT1D

Revisions:

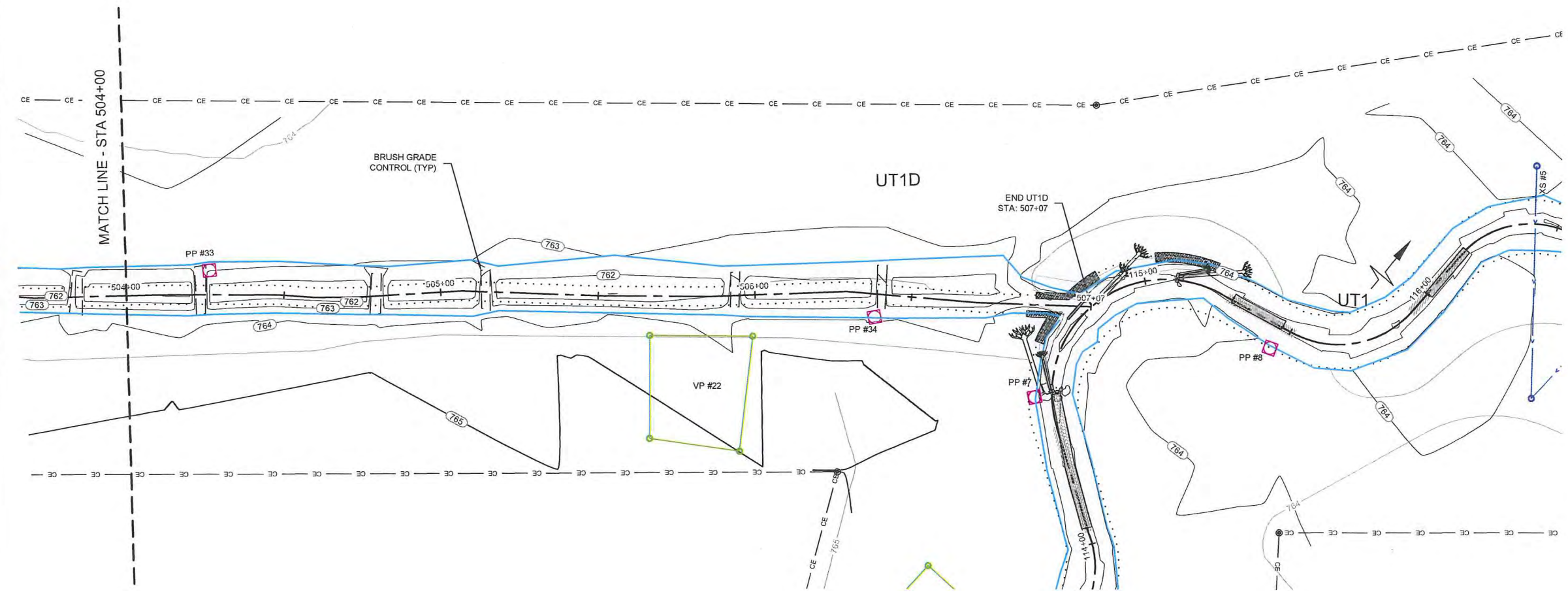
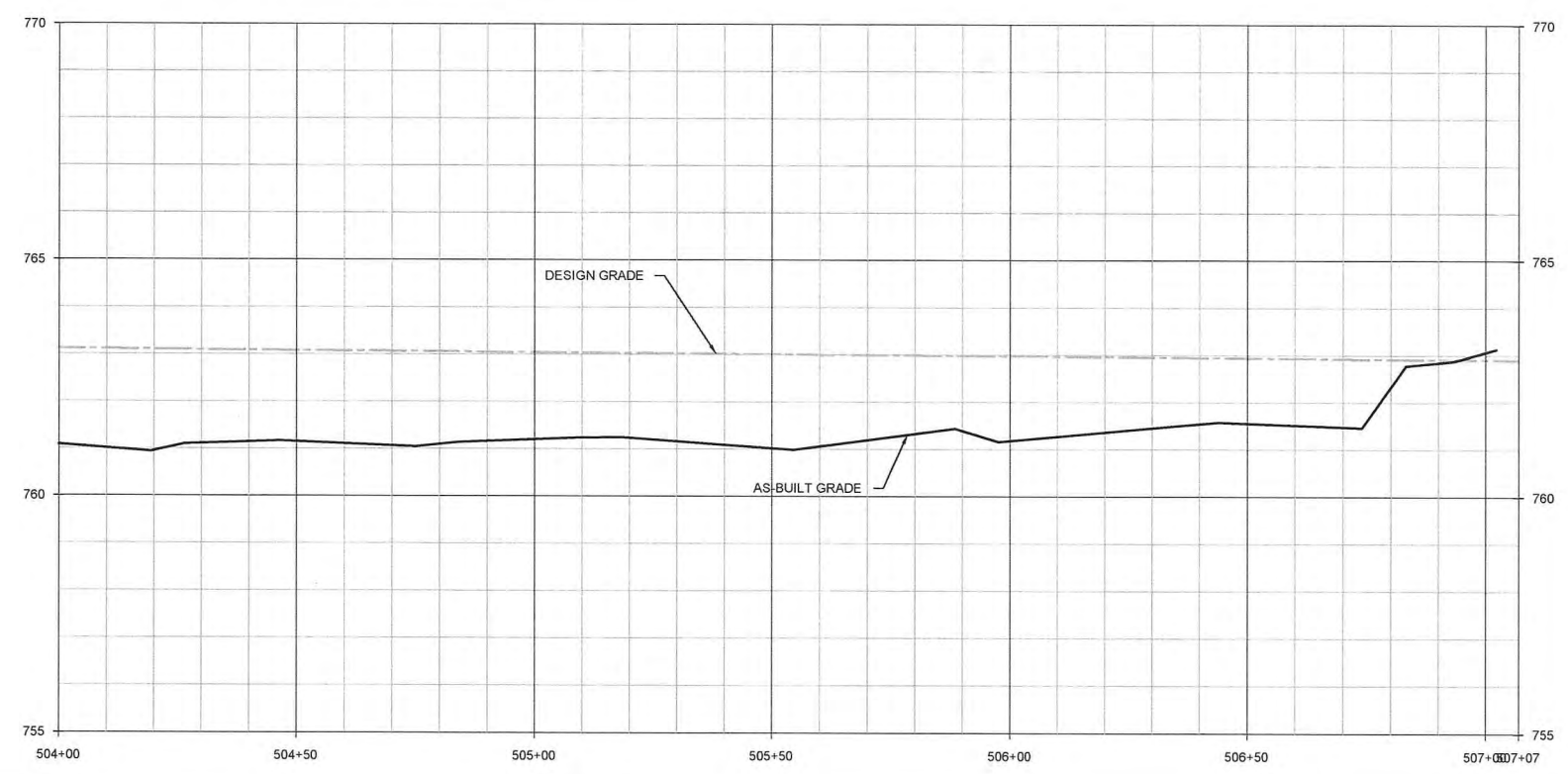
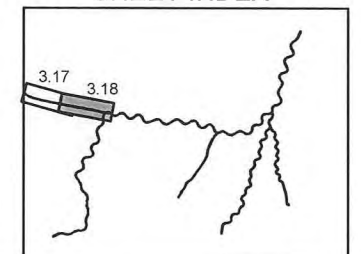
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Job Number:	005-0021
Project Engineer:	CTDI
Drawn By:	JFK
Checked By:	BRK

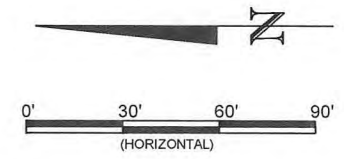
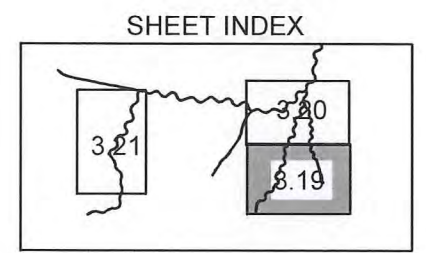
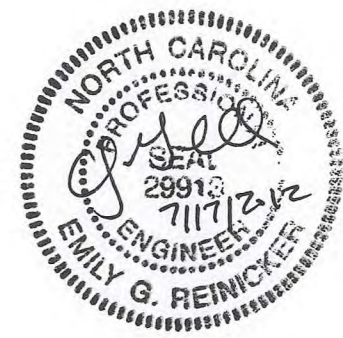
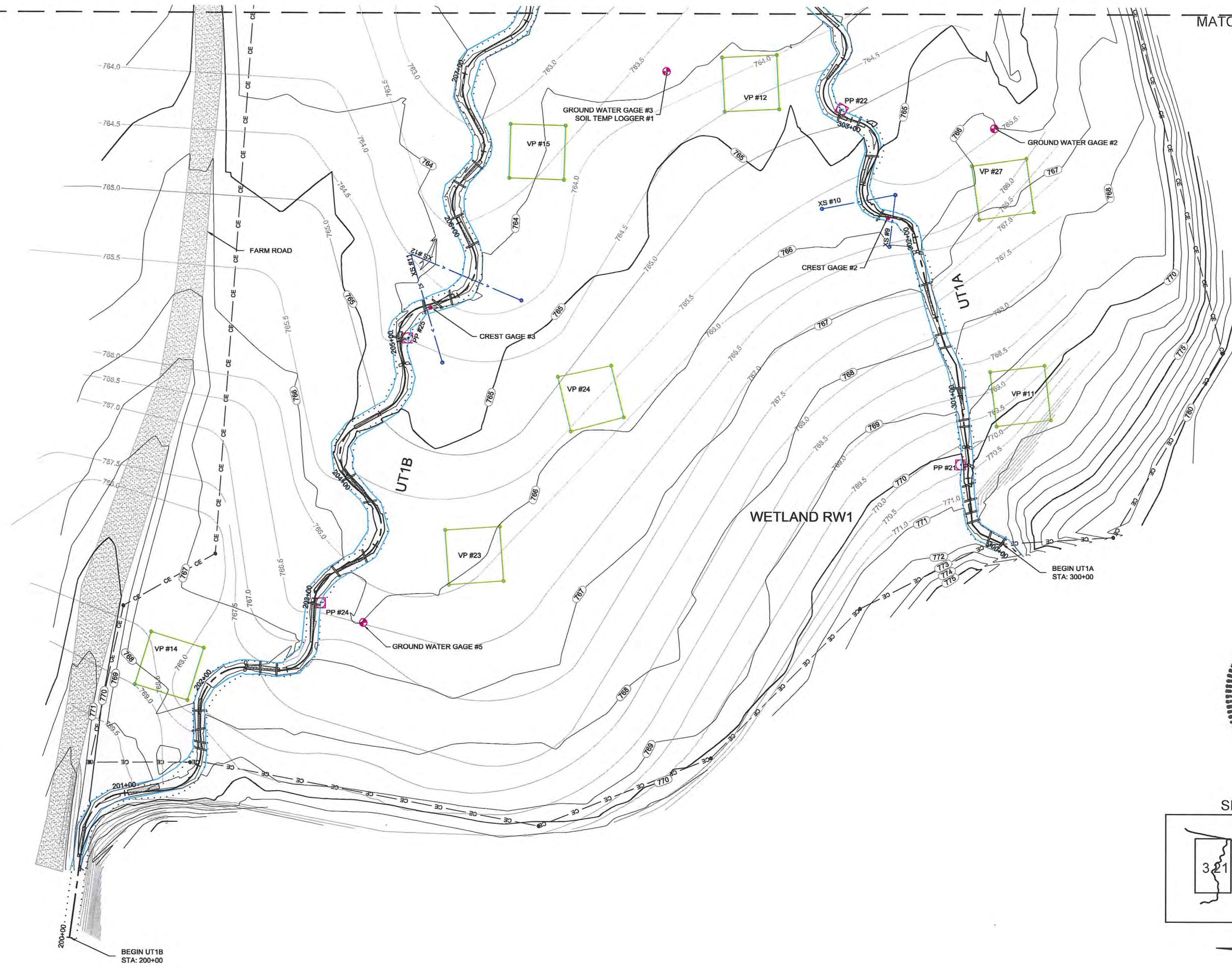
3.18

Final As-Built Plans



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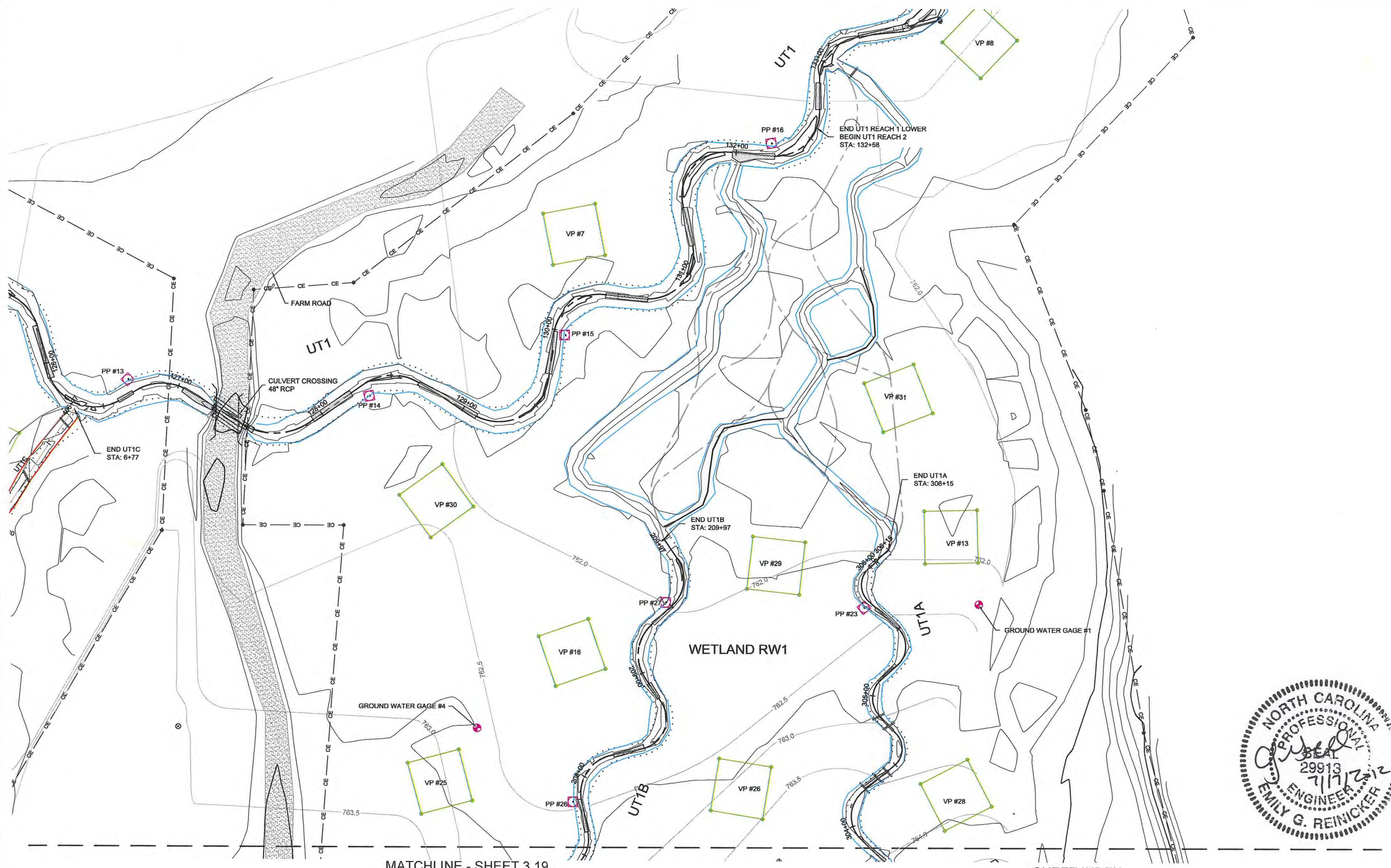


Lyle Creek Mitigation Site
Catawba, North Carolina
Wetland RW1
Overlay Plans



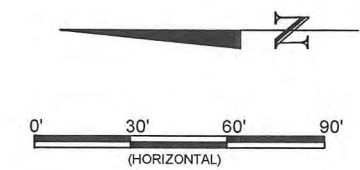
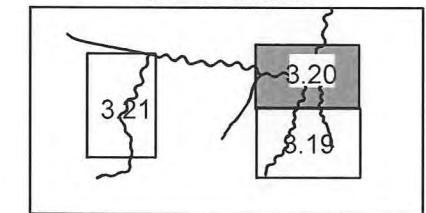
Date:	June 15, 2012
Job Number:	005-02123
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	RCR

3.19



MATCHLINE - SHEET 3.19

SHEET INDEX

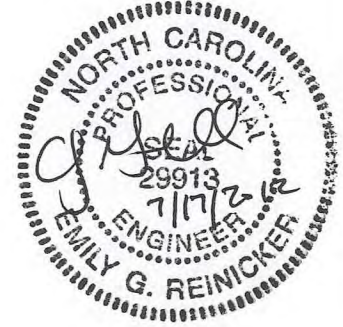
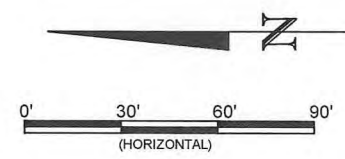
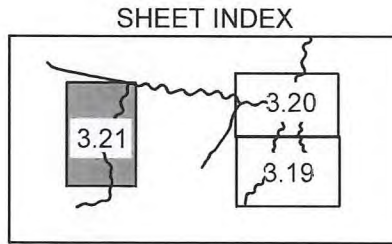
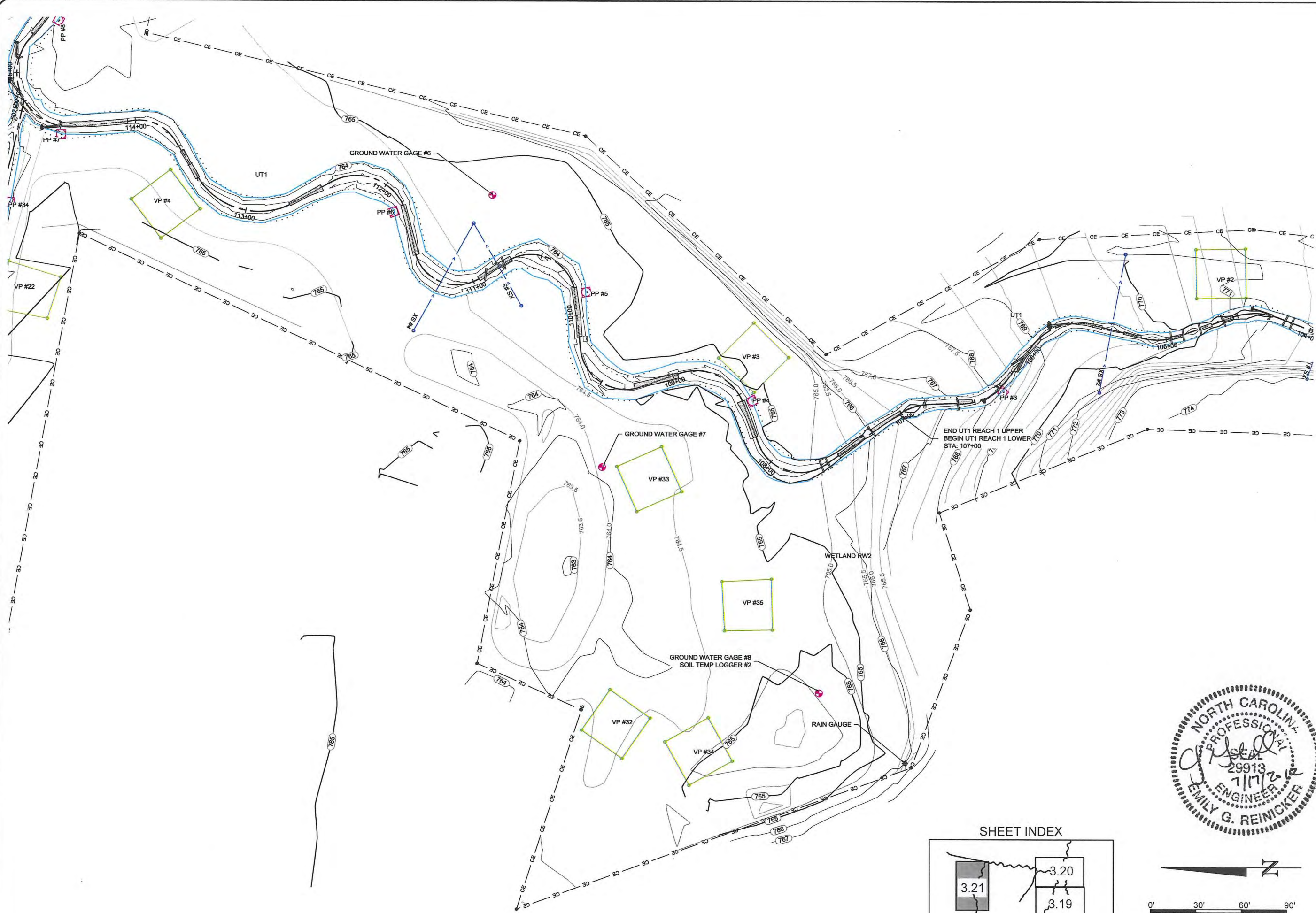


Lyle Creek Mitigation Site
Catawba, North Carolina
 Wetland RW1
 Overlay Plans

Revisions:

Date: June 15, 2012
 Job Number: 085-0213
 Project Engineer: CDM
 Drawn By: JCS
 Checked By: EGR

3.20



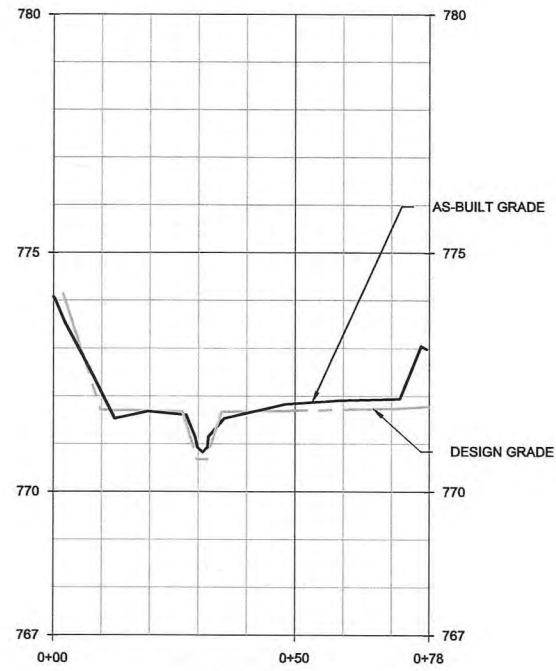
Lyle Creek Mitigation Site
Catawba, North Carolina
 Wetland RW2
 Overlay Plans

Revisions:

Date: June 15, 2012

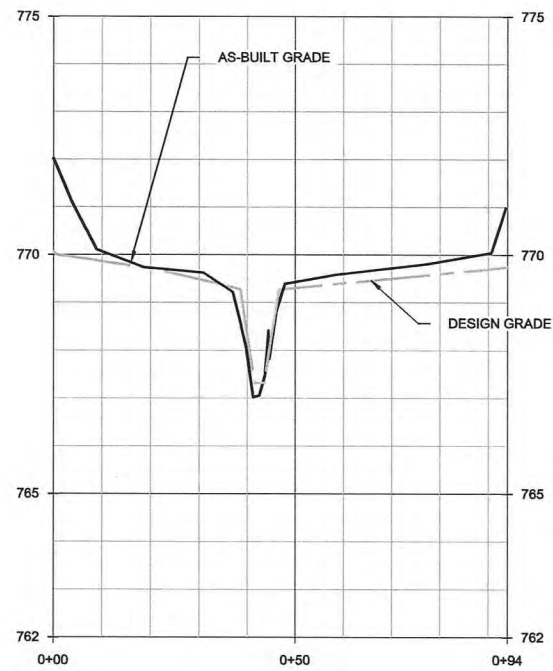
Job Number:	005-0212
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	EGE

3.21



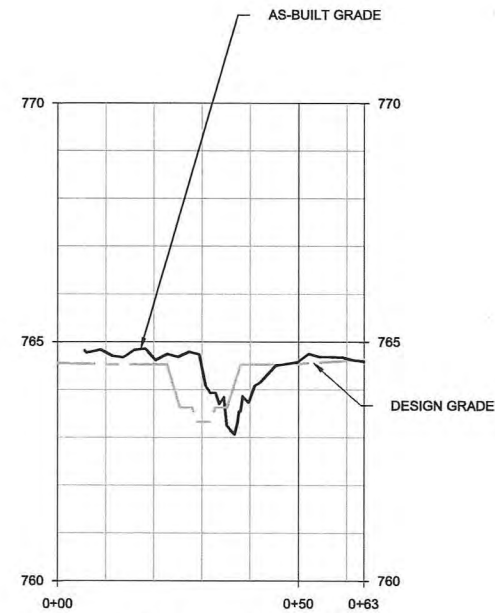
XS1-MY0

UT1
Sta: 103+91
Rifle



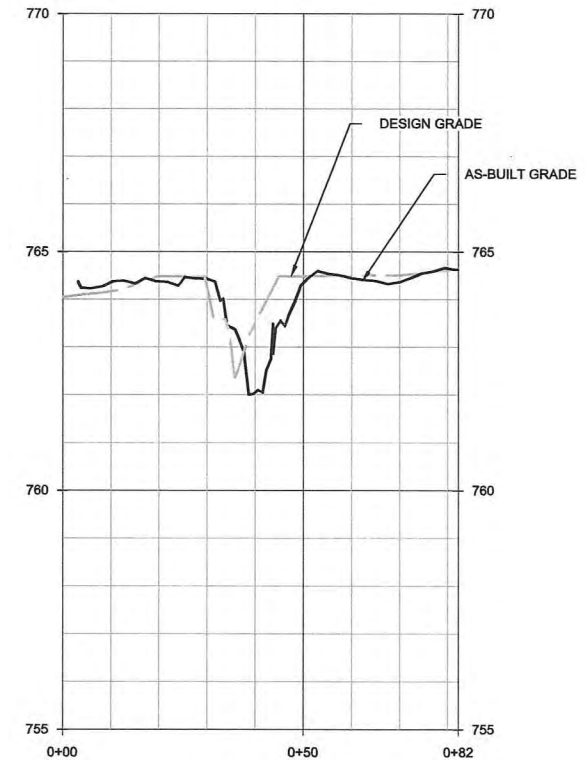
XS2-MY0

UT1
Sta: 105+37
Pool



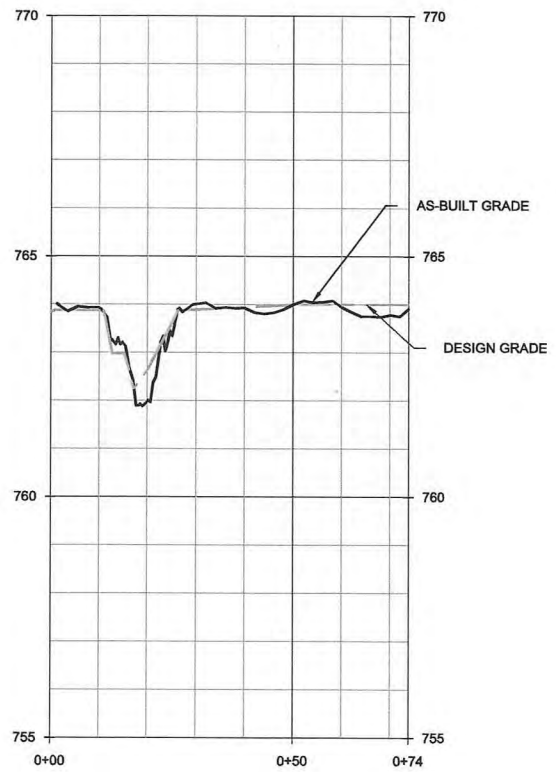
XS3-MY0

UT1
Sta: 110+80
Rifle



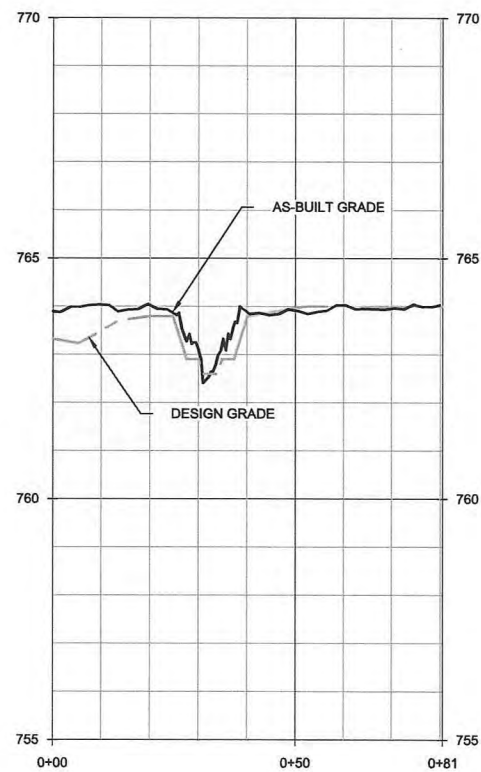
XS4-MY0

UT1
Sta: 111+22
Pool



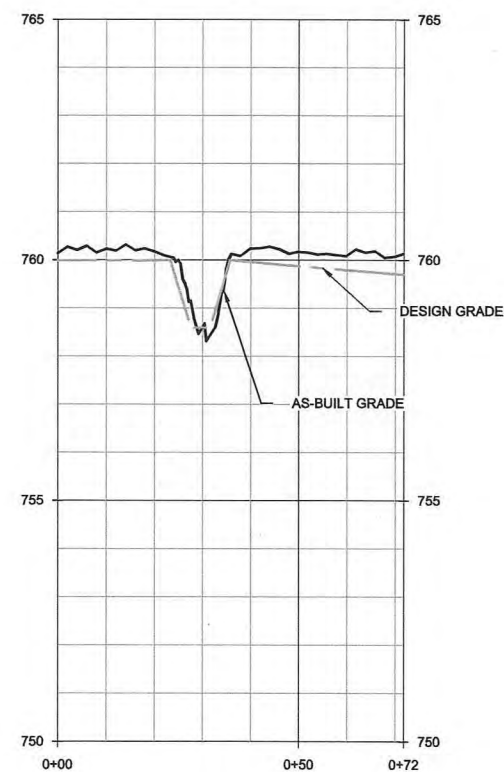
XS5-MY0

UT1
Sta: 116+43
Pool



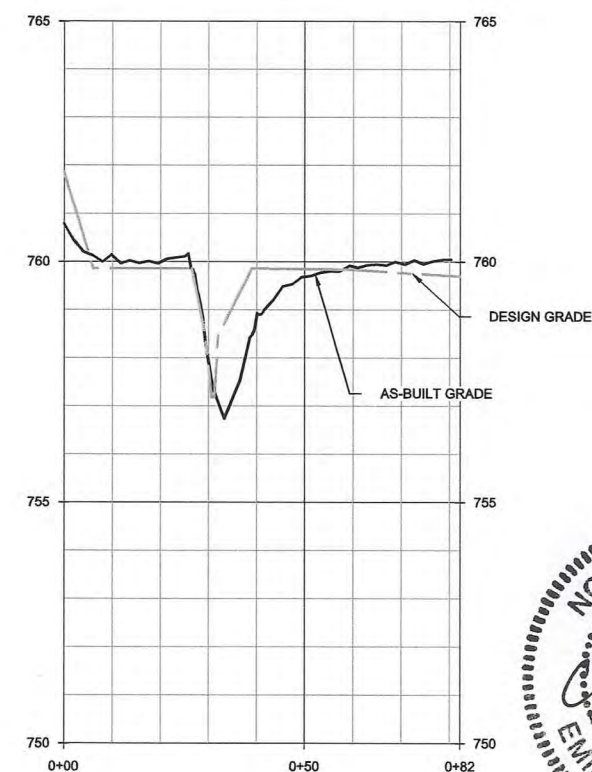
XS6-MY0

UT1
Sta: 116+81
Rifle



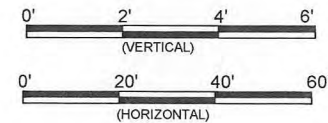
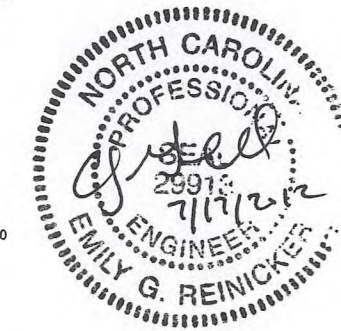
XS7-MY0

UT1
Sta: 135+95
Rifle



XS8-MY0

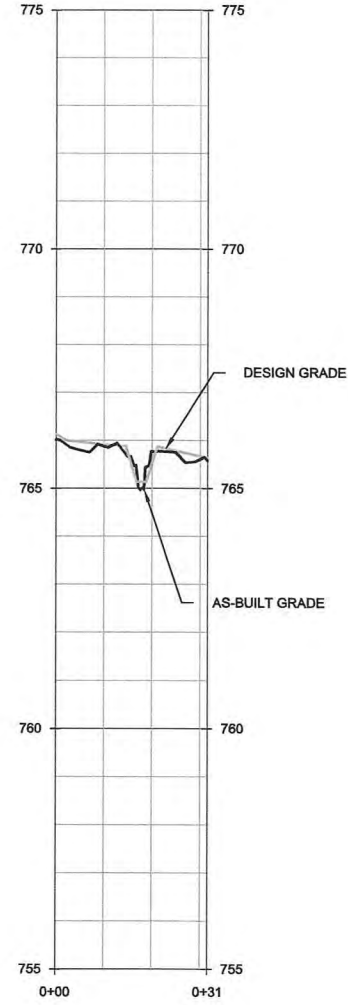
UT1
Sta: 136+31
Pool



Lyle Creek Mitigation Site
Catawba, North Carolina
Cross Sections
Overlay Plans

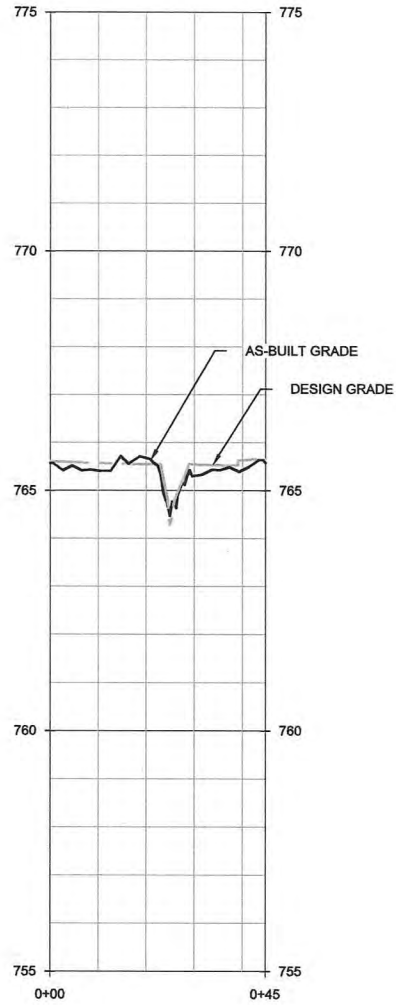
Date:	June 15, 2012
Job Number:	06-02121
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	EGR

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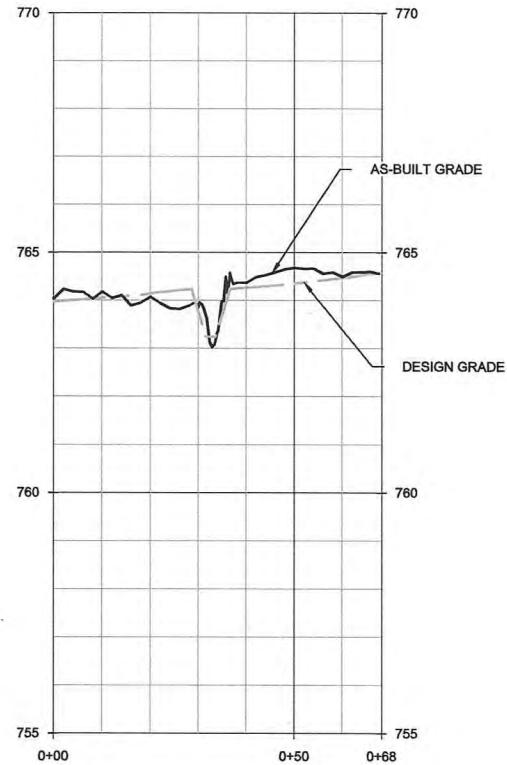
XS9-MY0

UT1A
Sta: 302+19
Riffle



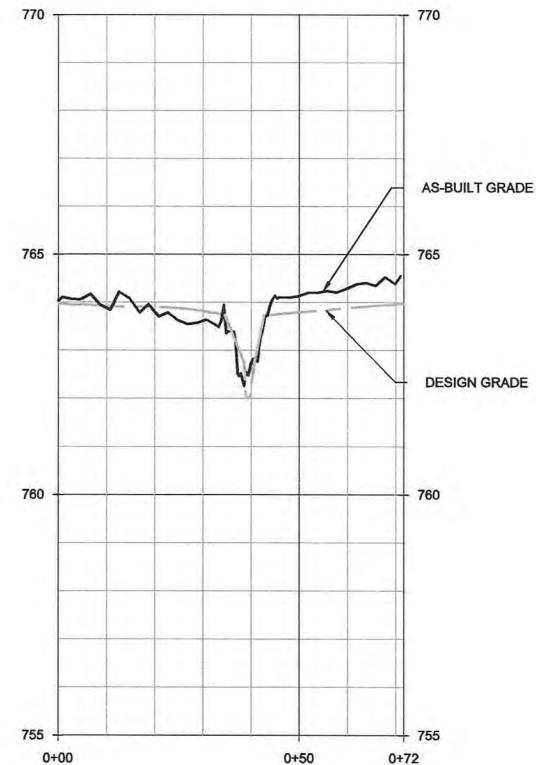
XS10-MY0

UT1A
Sta: 302+40
Pool



XS11-MY0

UT1B
Sta: 205+30
Riffle



XS12-MY0

UT1B
Sta: 205+63
Pool

Date:	June 15, 2012
Job Number:	005-02121
Project Engineer:	CDM
Drawn By:	JCK
Checked By:	EGR

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Lyle Creek Mitigation Site
Catawba, North Carolina
Cross Sections
Overlay Plans

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