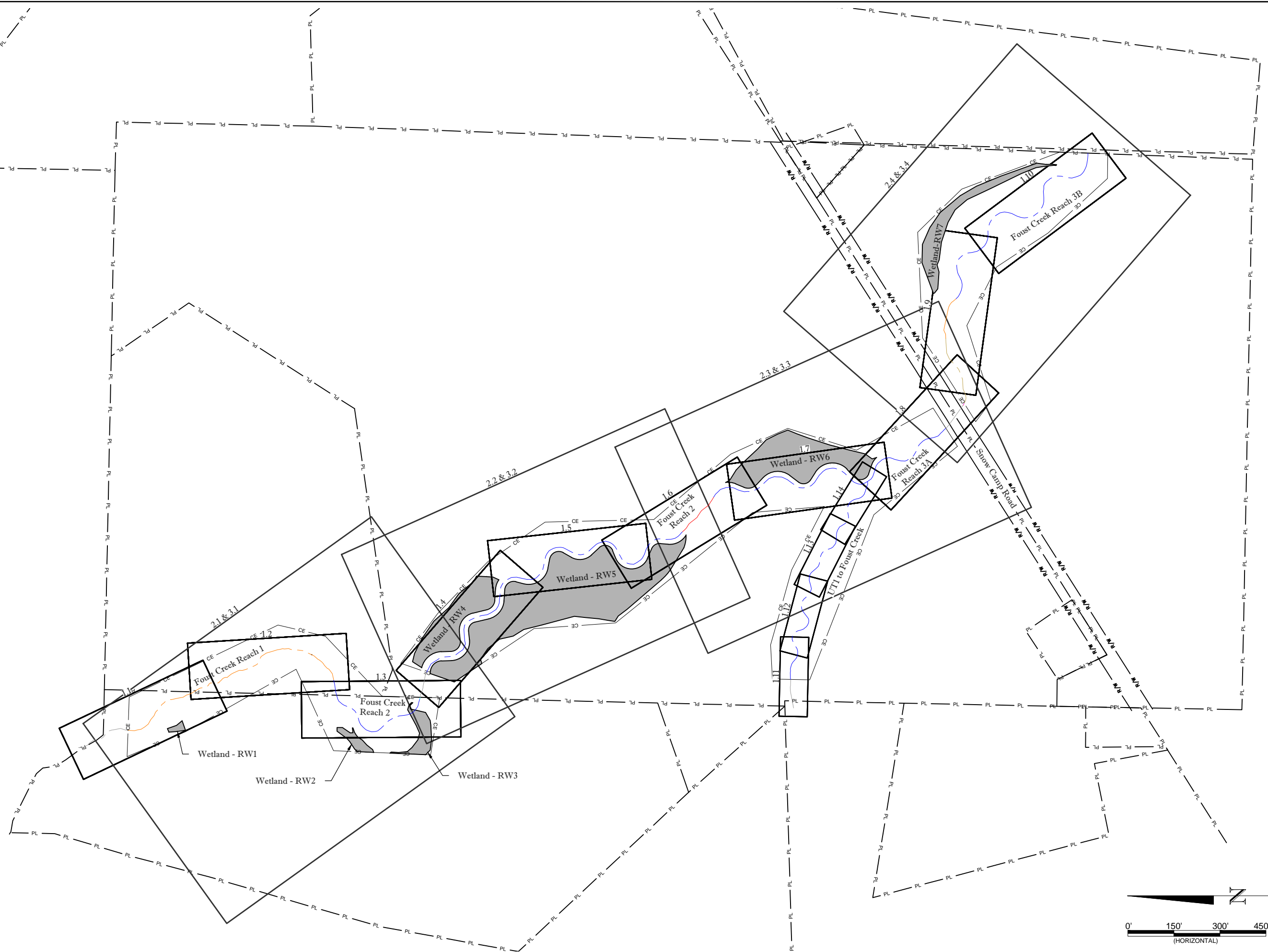


## **APPENDIX 4. As-Built Plan Sheets**



April 30, 2015  
E:\Business\005-0213 Foust Creek\001 Plans\A-Build\Record Drawings\0213-AB-Stream Overlay Overview.dwg



Record Drawing

Date:	05-30-2015
Job Number:	005-0213
Project Engineer:	ANNA
Drawn By:	CLM
Checked By:	DMT

Revisions:


0.2

Sheet





















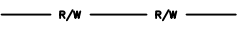
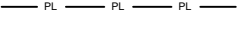

Foust Creek Mitigation Site  
Alamance County, NC

Stream Overlay Overview







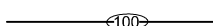




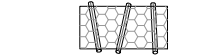


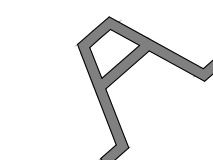

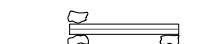



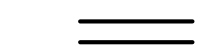






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### Proposed Features

-  Proposed Stream Alignment
-  Proposed Bankfull
-  Proposed 5' Major Contour
-  Proposed 1' Minor Contour
-  Proposed Constructed Riffle
-  Proposed Angled Log Sill
-  Proposed Angled Log Step Pool
-  Proposed Log J-Hook
-  Proposed Brush Toe
-  Proposed Rock A-Vane
-  Proposed Live Transplanted Woody Vegetation
-  Proposed Log Vane
-  Proposed Rock Cross Vane
-  Proposed Boulder Sill
-  Proposed Permanent Ford Crossing
-  Proposed Permanent Multi-Culvert Crossing
-  Proposed Permanent Culvert Crossing
-  Proposed Wetland Rehabilitation
-  Proposed Wetland Re-establishment
-  Proposed Channel Plug
-  Right of Way
-  Property Line
-  Edge of Pavement

### As-Built Features

-  As-Built Thalweg Alignment - Restoration
-  As-Built Thalweg Alignment - Restoration - Partial Credit
-  As-Built Thalweg Alignment - Enhancement II
-  As-Built Thalweg Alignment - Enhancement II - Partial Credit
-  As-Built Thalweg Alignment - Not for Credit
-  As-Built Bankfull
-  As-Built 5' Major Contour
-  As-Built 1' Minor Contour
-  As-Built Conservation Easement
-  As-Built Constructed Riffle
-  As-Built Angled Log Sill
-  As-Built Angled Log Step Pool
-  As-Built Log J-Hook
-  As-Built Brush Toe
-  As-Built Rock A-Vane
-  As-Built Live Transplanted Woody Vegetation
-  As-Built Log Vane
-  As-Built Rock Cross Vane
-  As-Built Boulder Sill
-  As-Built Permanent Ford Crossing
-  As-Built Permanent Multi-Culvert Crossing
-  As-Built Permanent Culvert Crossing
-  As-Built Wetland Rehabilitation
-  As-Built Wetland Re-establishment
-  As-Built Channel Plug

NOTE: FEATURES IN RED INDICATE DEVIATION FROM FINAL CONSTRUCTION PLANS.



## Foust Creek Mitigation Site Alamance County, NC

Legend

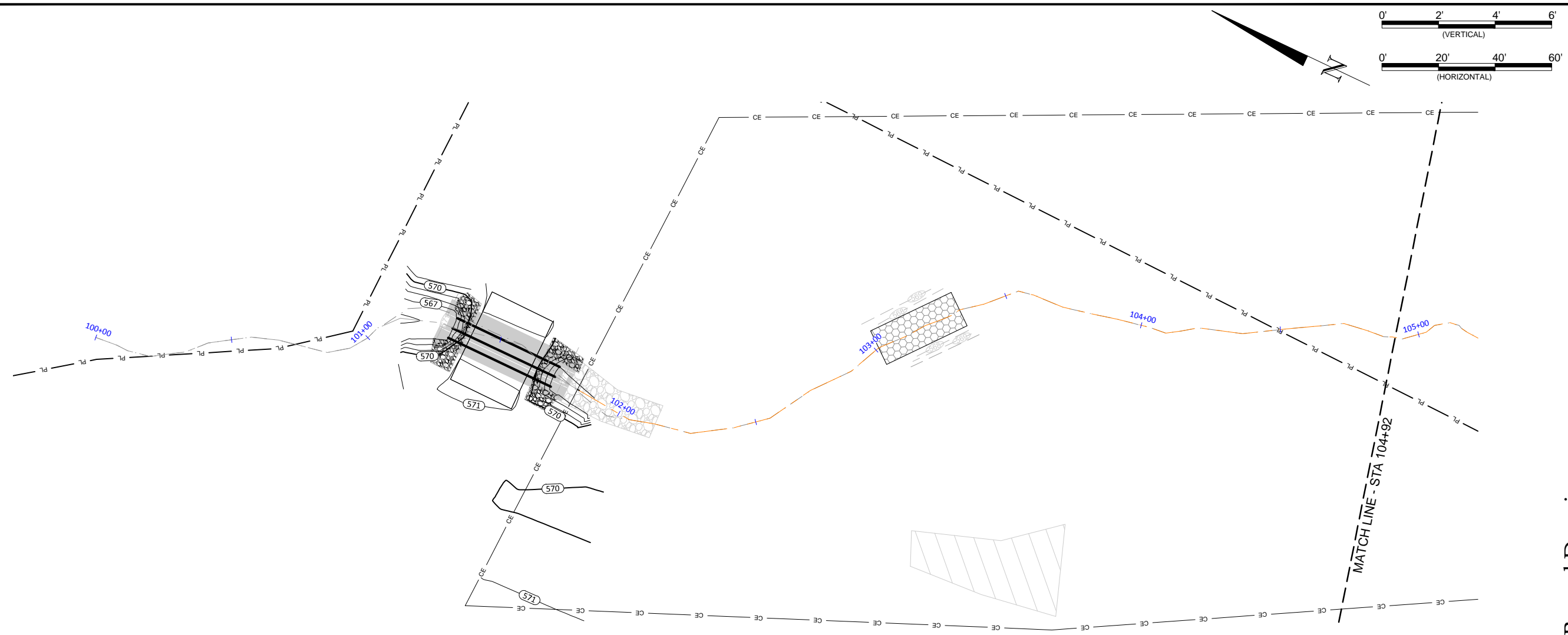
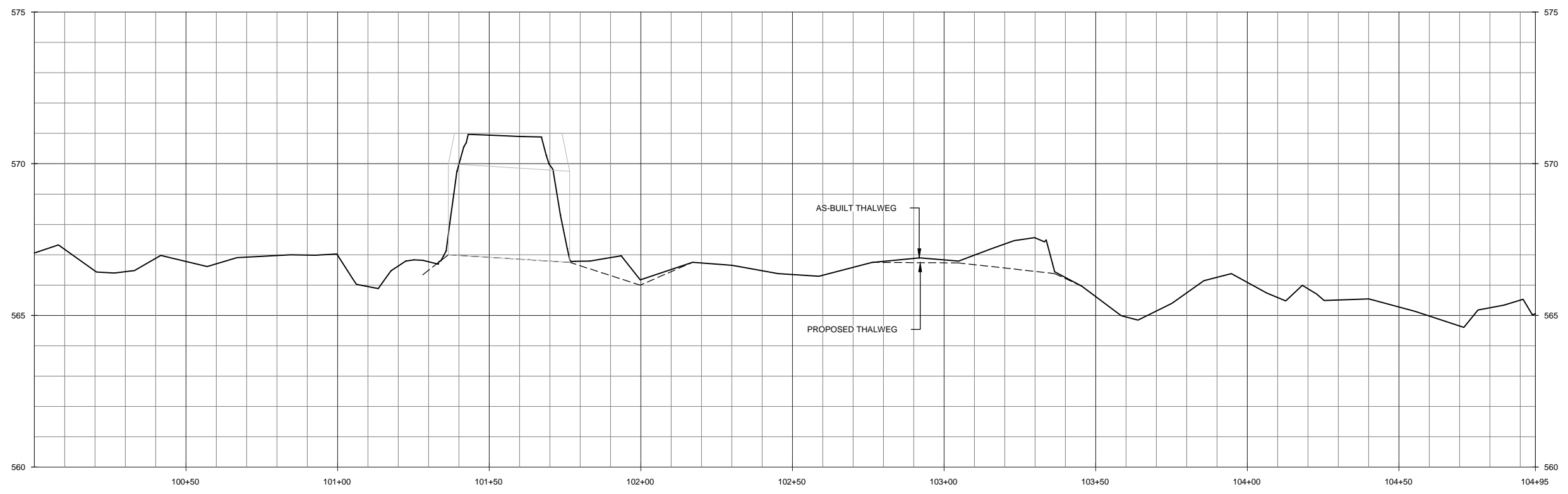
Record Drawing

Revisions:	

Date:	04-30-2015
Job Number:	005-0213
Project Engineer:	ANNA
Drawn By:	CLM
Checked By:	DMT

0.3

April 30, 2015  
F:\Projects\005-02135 - Foust Creek\000\Plans\As-Built\Record\_Drawing\02135\_Alt\_Profile-Foust.dwg



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Job Number:	005-02135
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Checked By:	DMT

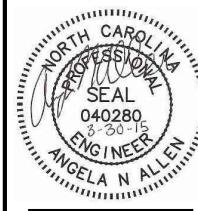
Revisions:

Foust Creek Mitigation Site  
Alamance County, NC

Foust Creek  
Stream Overlay Plans

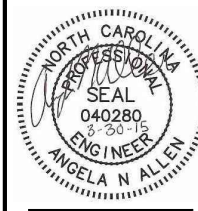
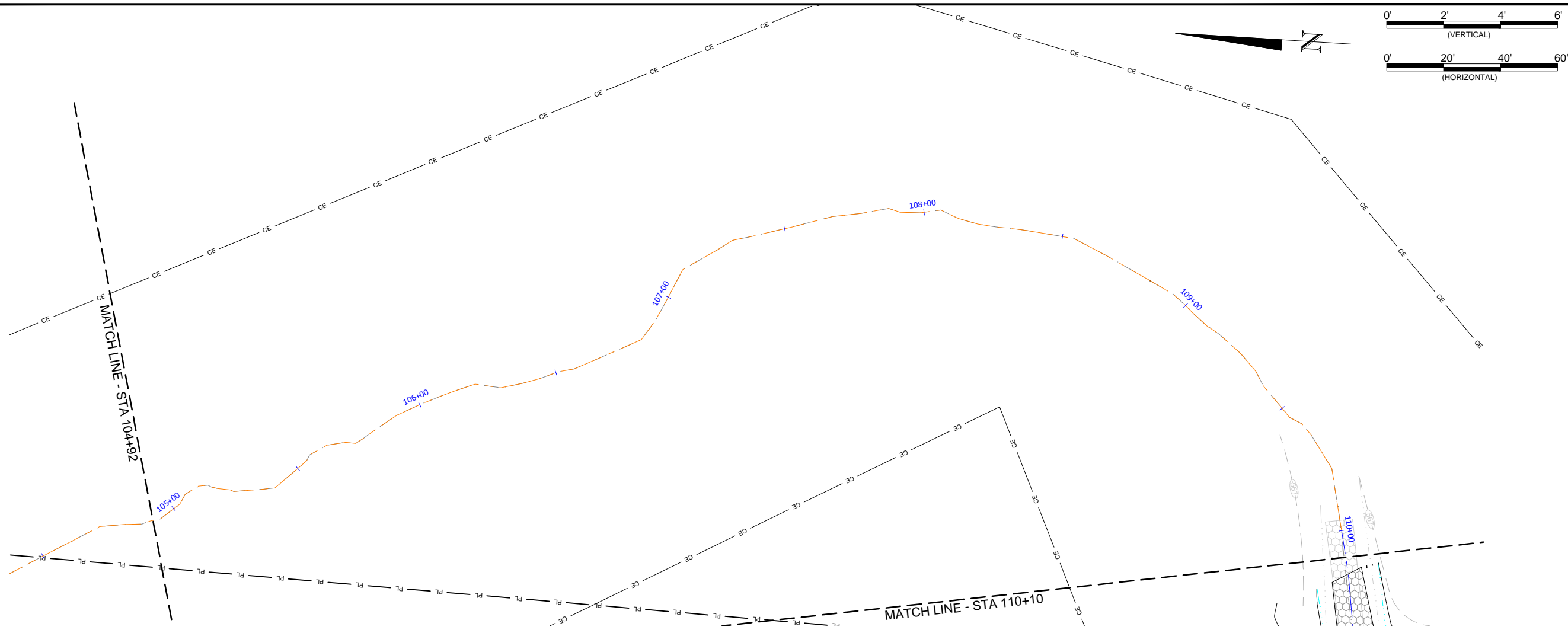
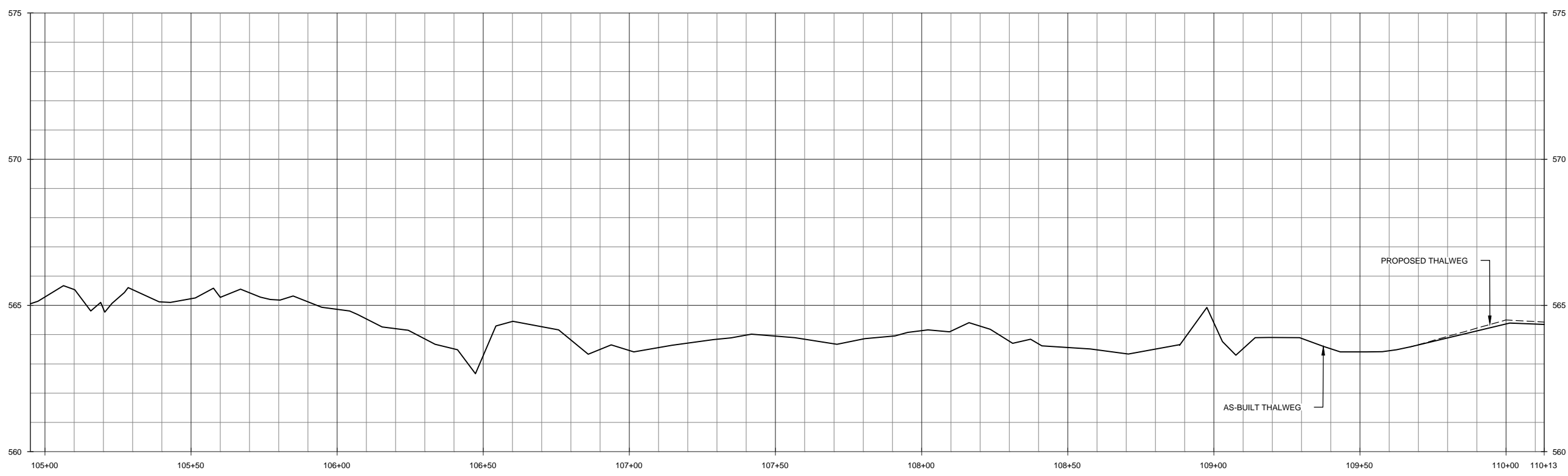
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 F:\Projects\005-0213 - Foust Creek\04\Plans\As-Built\Record\_Drawing\07115-1E\_Profile-Final.dwg



**Foust Creek Mitigation Site**  
**Alamance County, NC**

**Foust Creek**  
**Stream Overlay Plans**

Revisions:

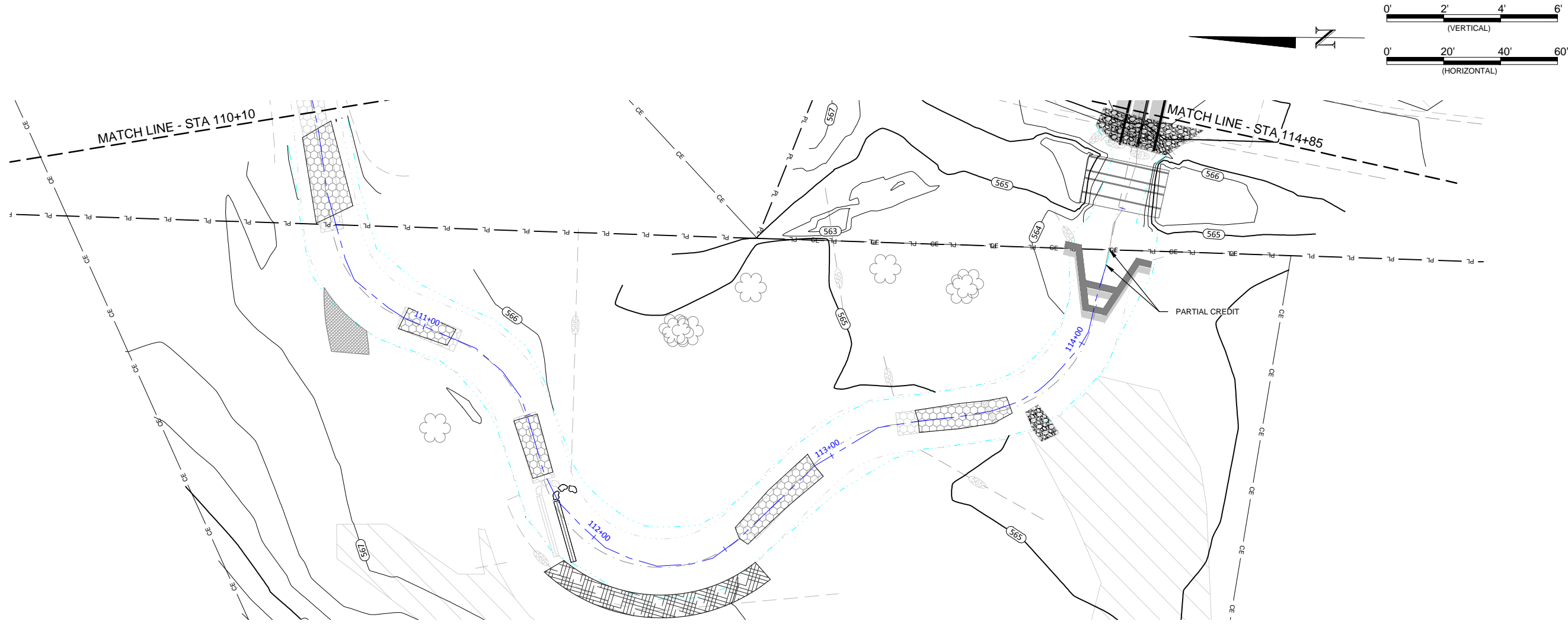
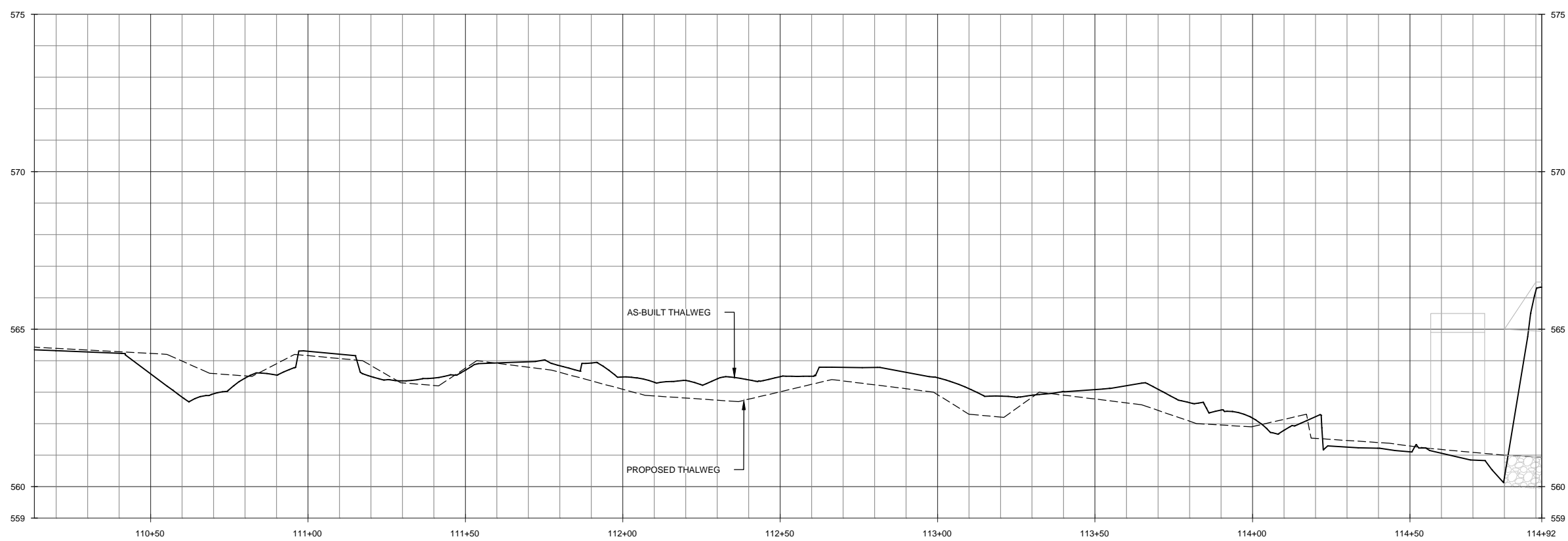

Date:	04-30-2015
Job Number:	005-0213
Project Engineer:	ANNA
Drawn By:	CLM
Checked By:	DMT

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Sheet

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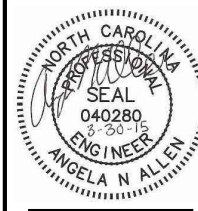
April 30, 2015  
 F:\Projects\005-0213 Foust Creek\000\Plans\As-Built\Record\_Drawing\07115-1E\_Profile-Foundation.dwg



**Foust Creek Mitigation Site**  
**Alamance County, NC**

Foust Creek  
 Stream Overlay Plans

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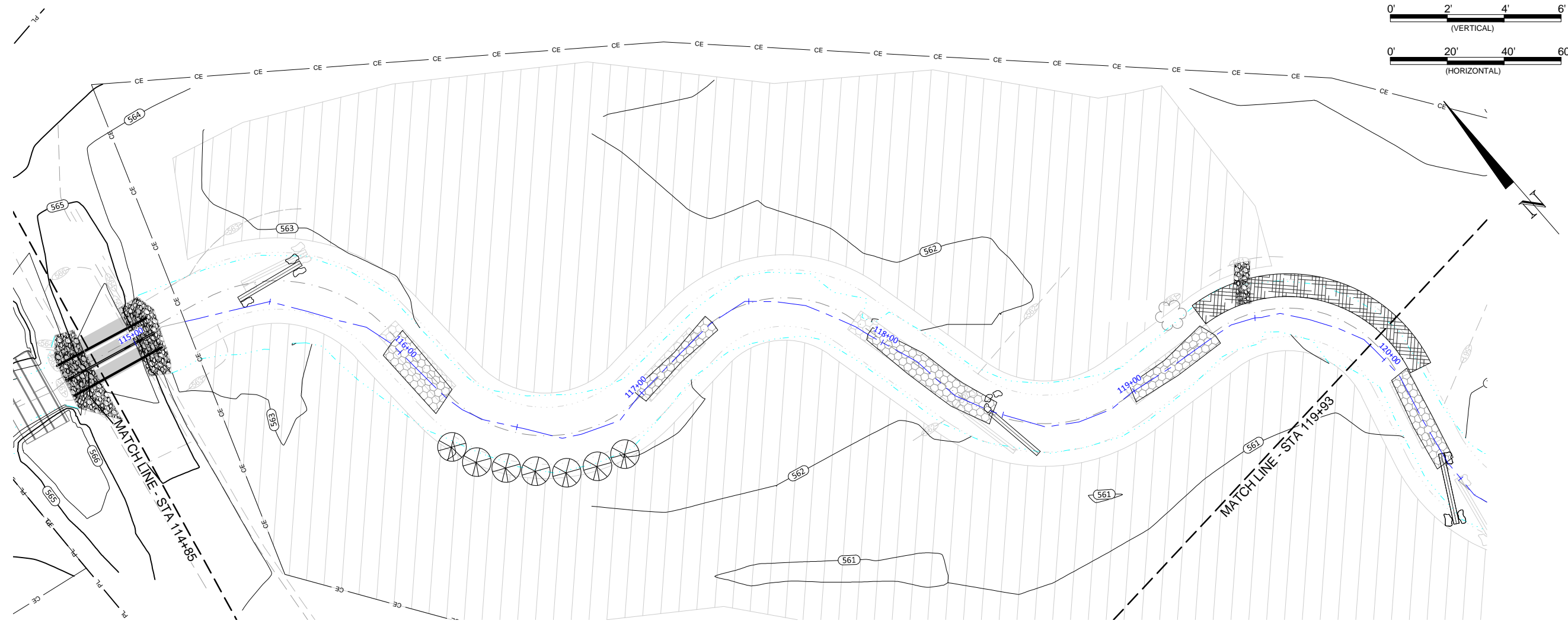
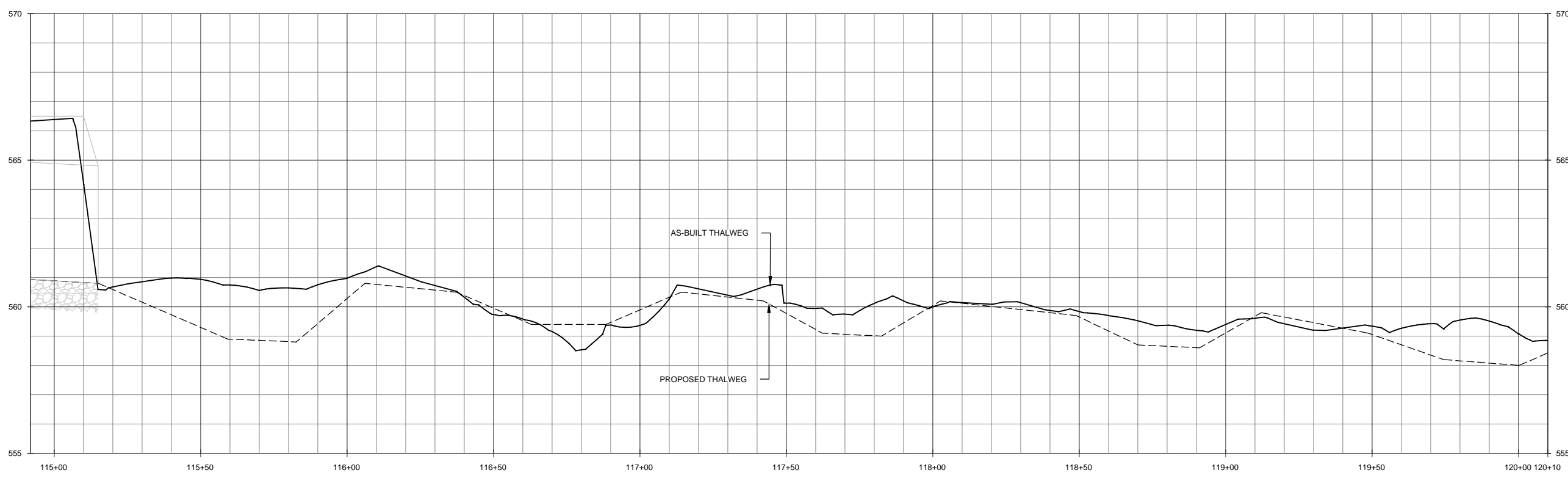
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Job Number:	005-0213
Project Engineer:	ANNA
Drawn By:	CLM
Checked By:	DMT

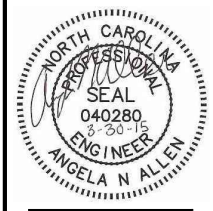
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April 30, 2015  
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**Alamance County, NC**

Foust Creek  
 Stream Overlay Plans

**Record Drawing**

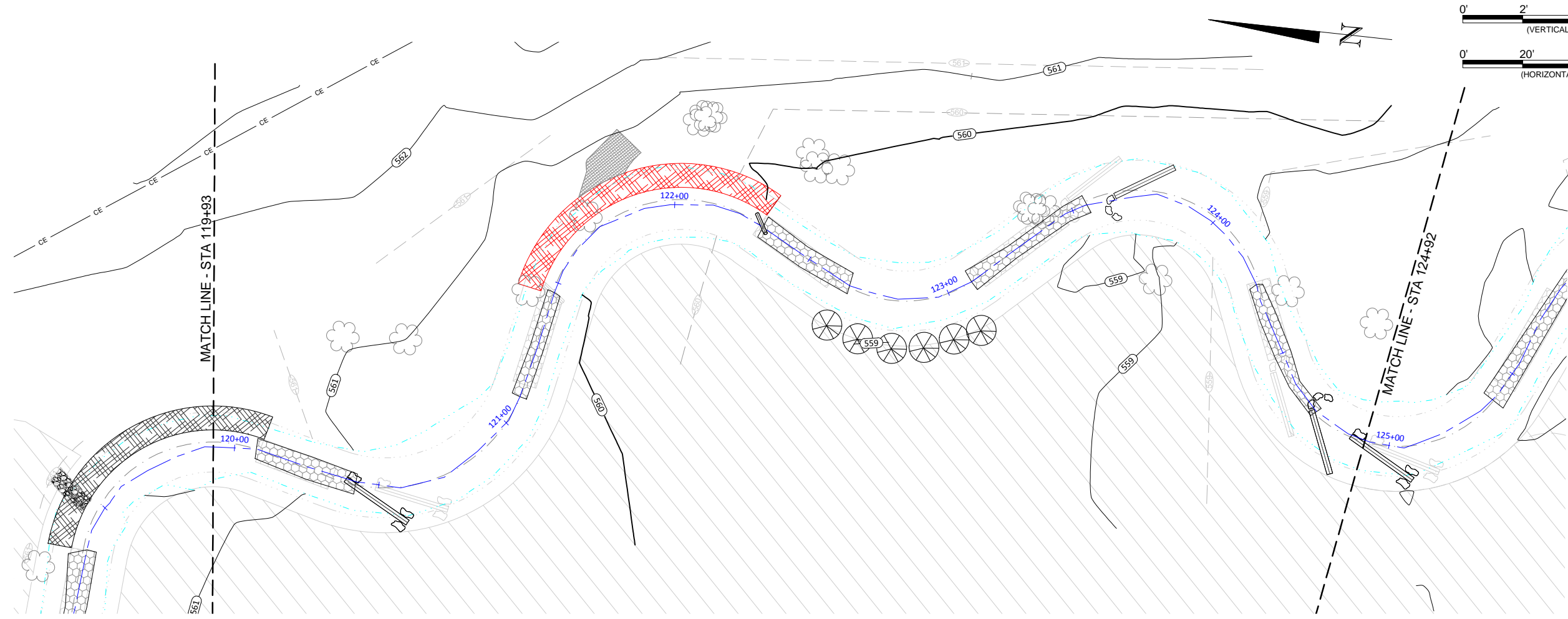
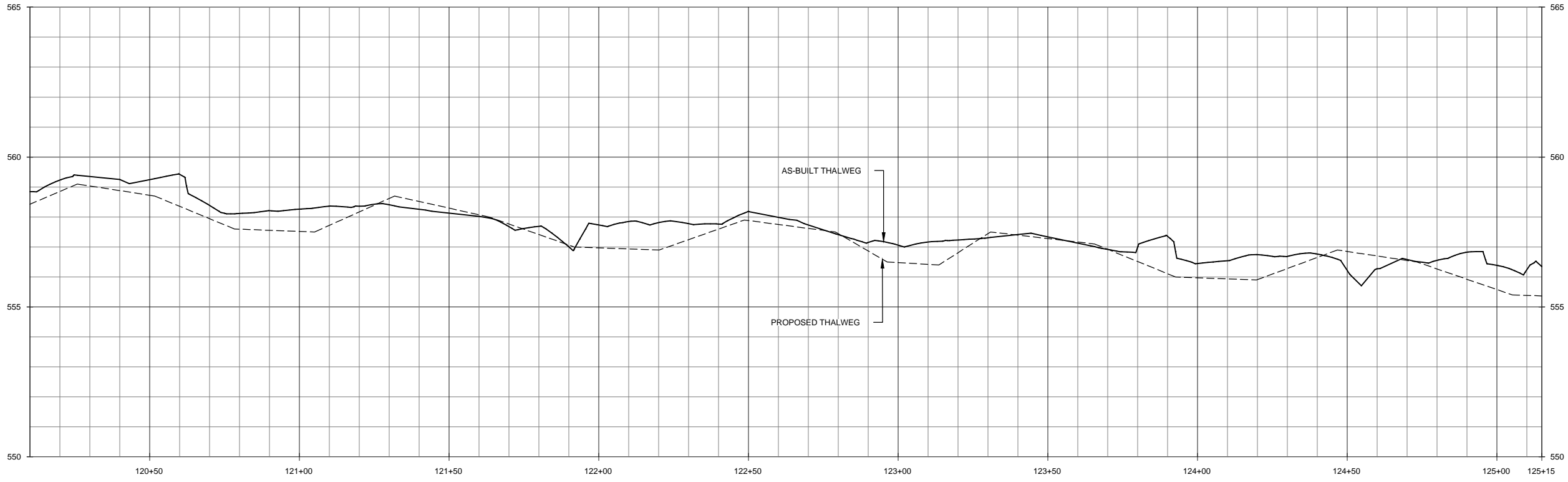
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Project Engineer:	ANA
Drawn By:	CLM
Checked By:	DMT

**1.4**

Sheet



April 30, 2015  
 F:\Projects\005-0213 - Foust Creek\001 Plans\A-Build\Record\_Drawing\011\_Site\_Profile-Final.dwg



NOTE: AT STATION 121+88, BRUSH TOE NOT INSTALLED TO MINIMIZE IMPACT ON NEARBY TREES.

Record Drawing

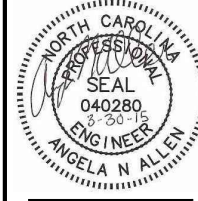
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Foust Creek Mitigation Site  
Alamance County, NC

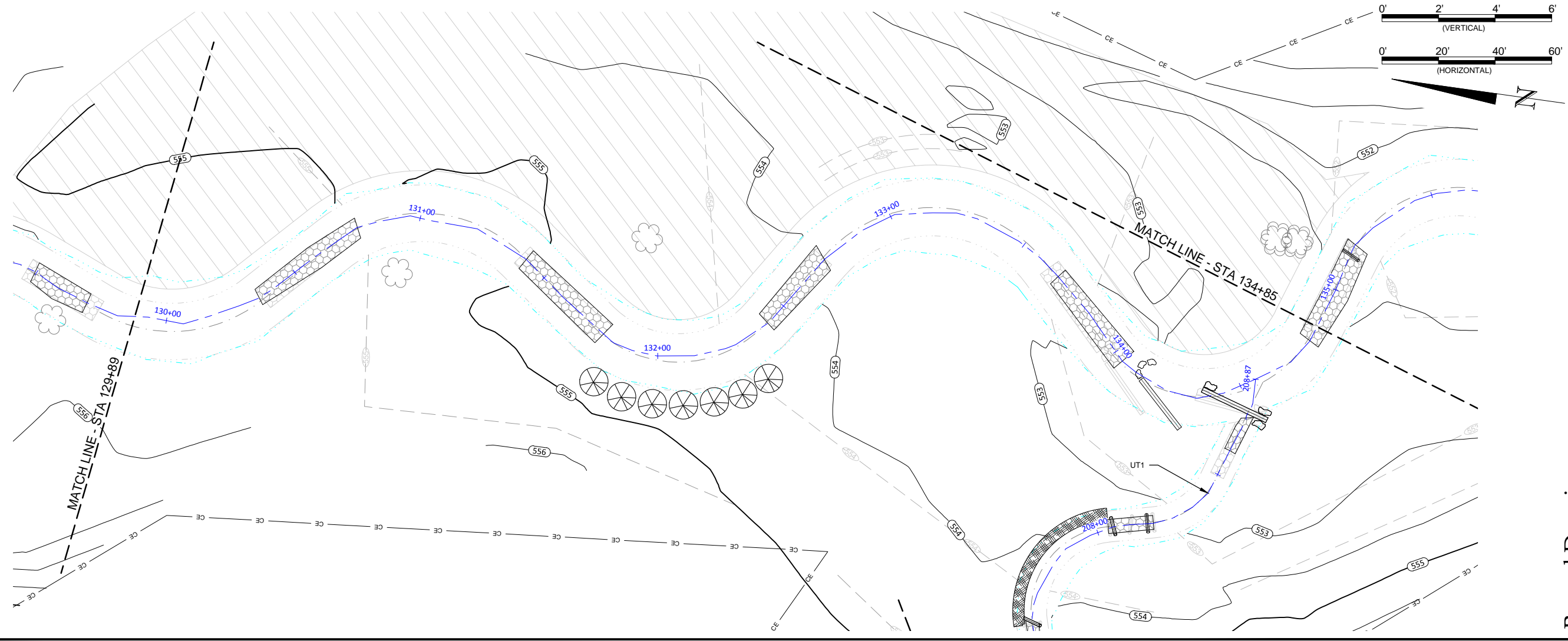
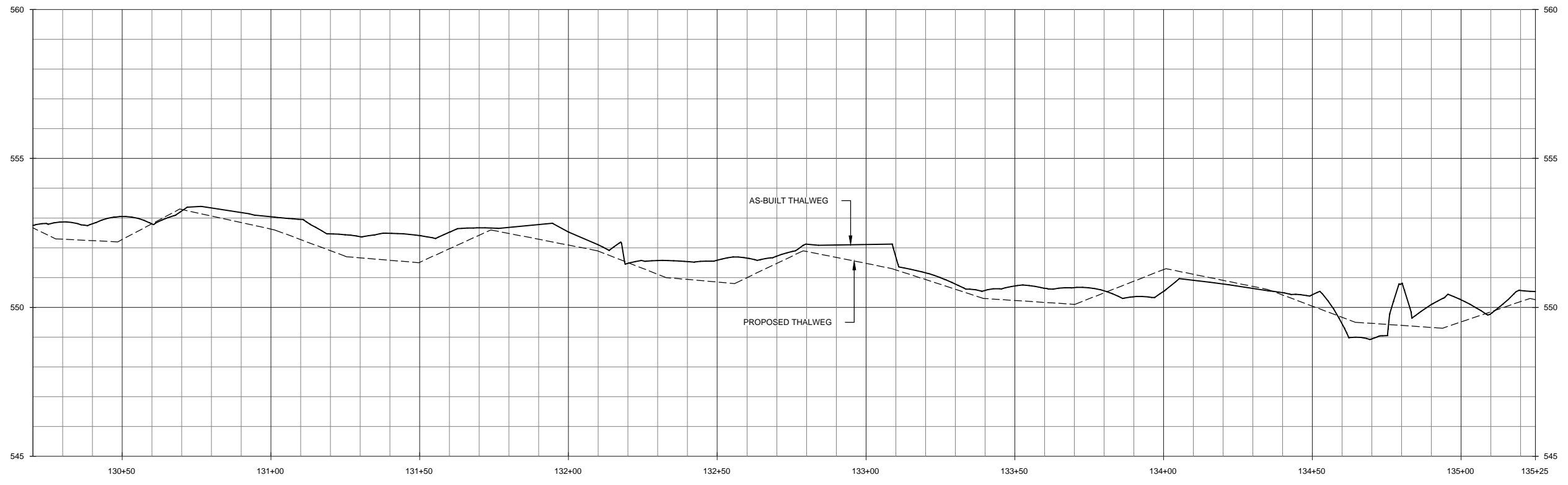
Foust Creek  
Stream Overlay Plans



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Record Drawing

Date:	04-30-2015
Job Number:	005-0213
Project Engineer:	ANNA
Drawn By:	CLM
Checked By:	DMT

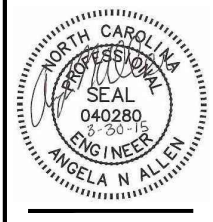
Revisions:

Foust Creek Mitigation Site  
Alamance County, NC

Foust Creek  
Stream Overlay Plans

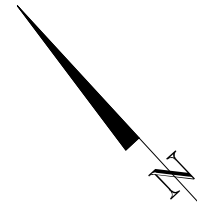
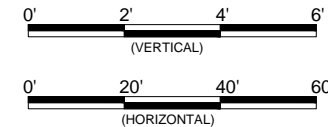
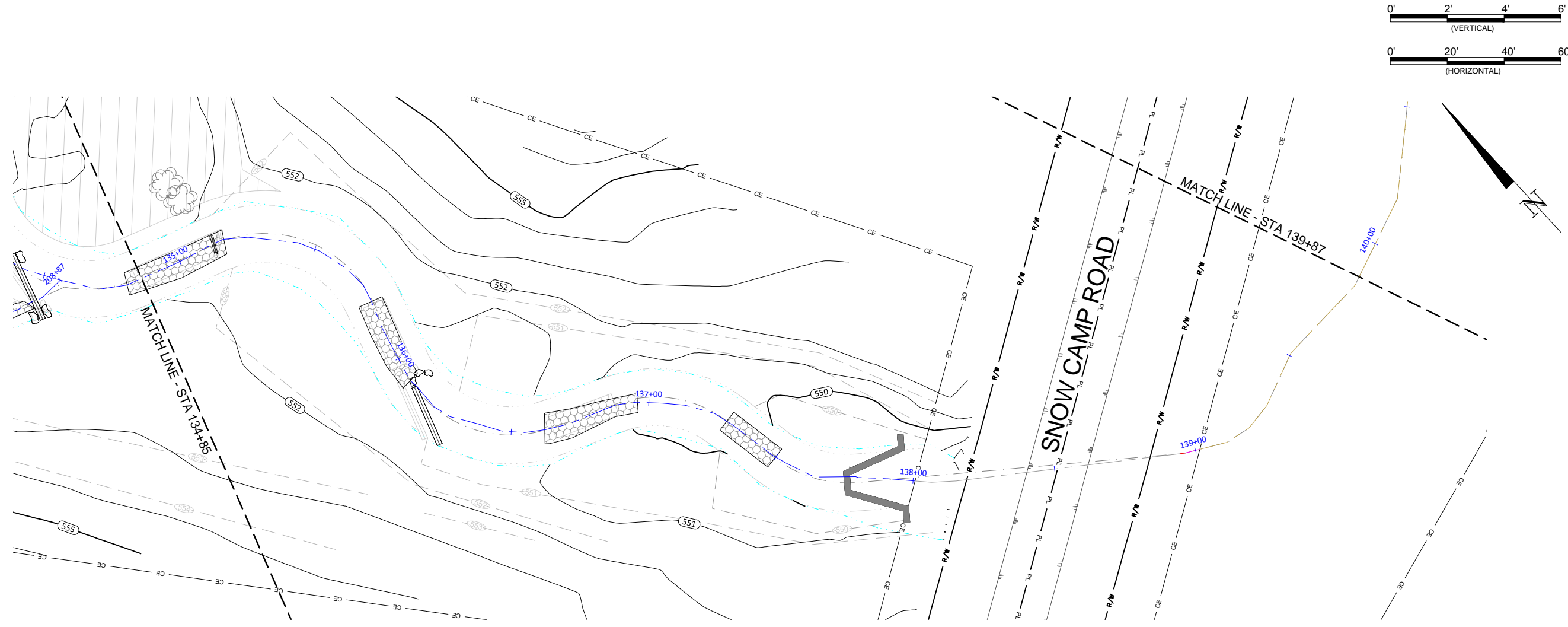
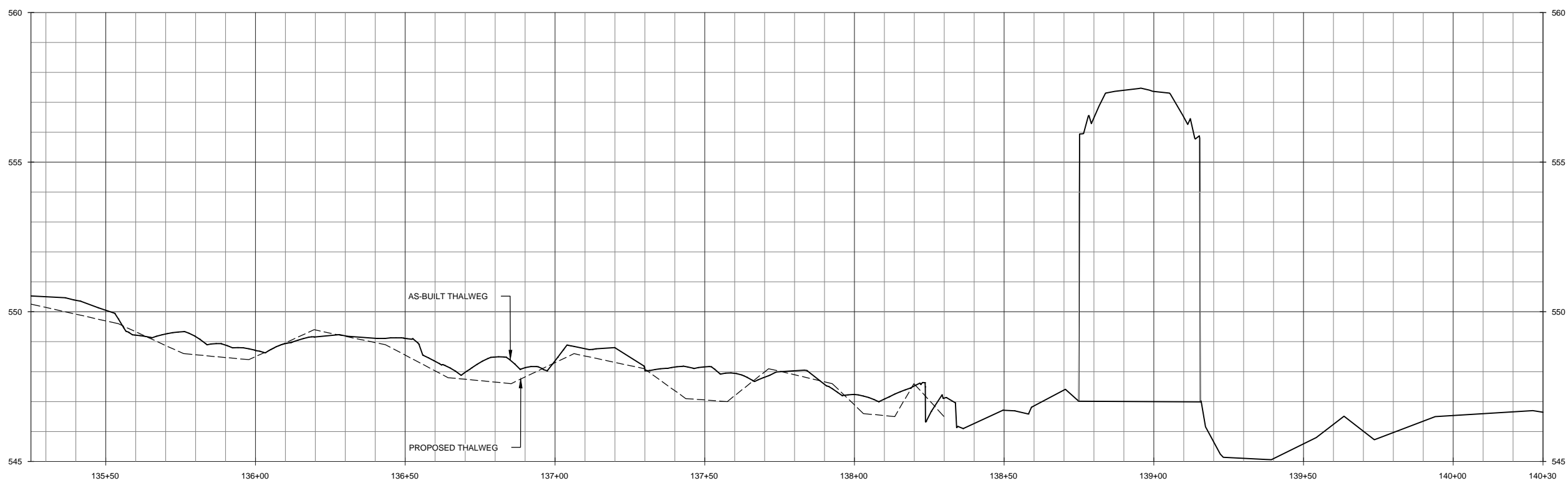
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 E:\Projects\005-0213 - Foust Creek\001Plans\As-Built\Record\_Drawing\0718\_Site\_Profile-Final.dwg



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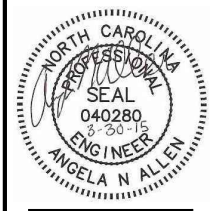
Date:	04-30-2015
Job Number:	005-0213
Project Engineer:	ANNA
Drawn By:	CLM
Checked By:	DMT

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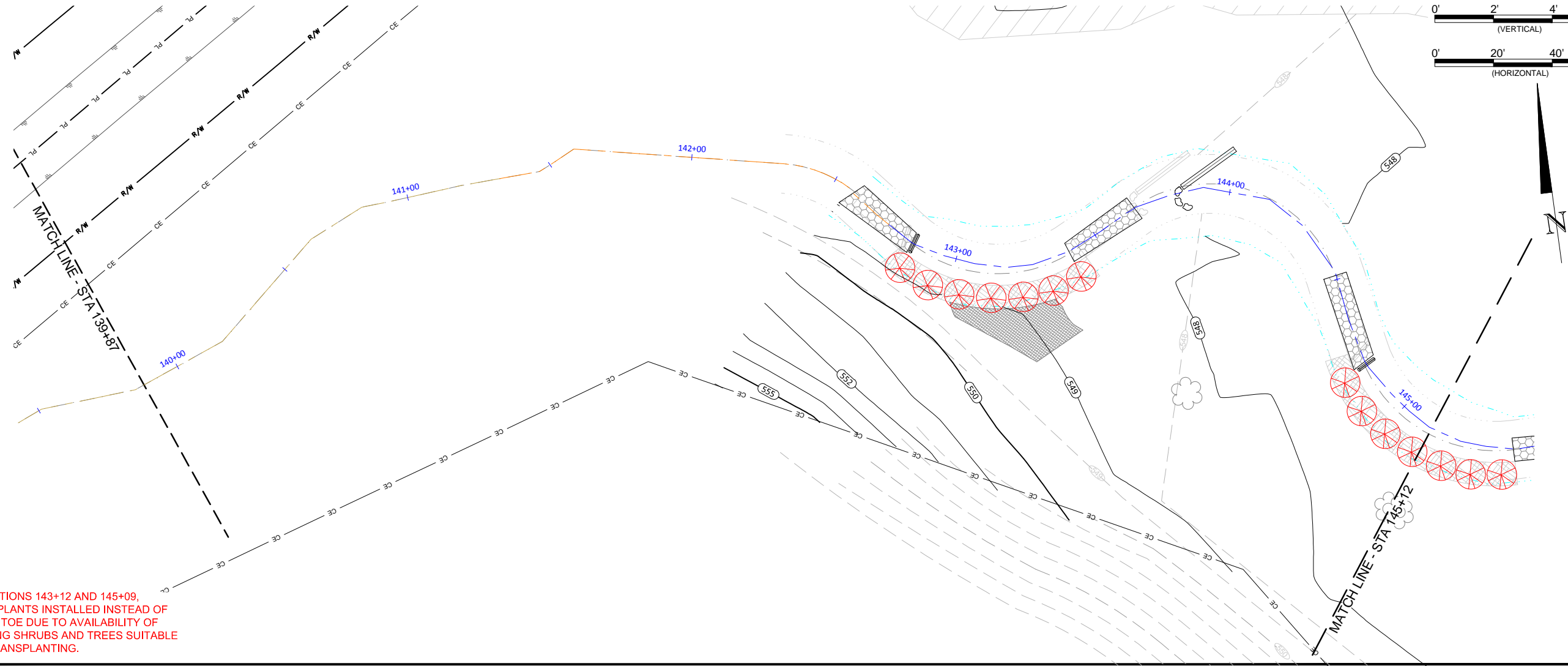
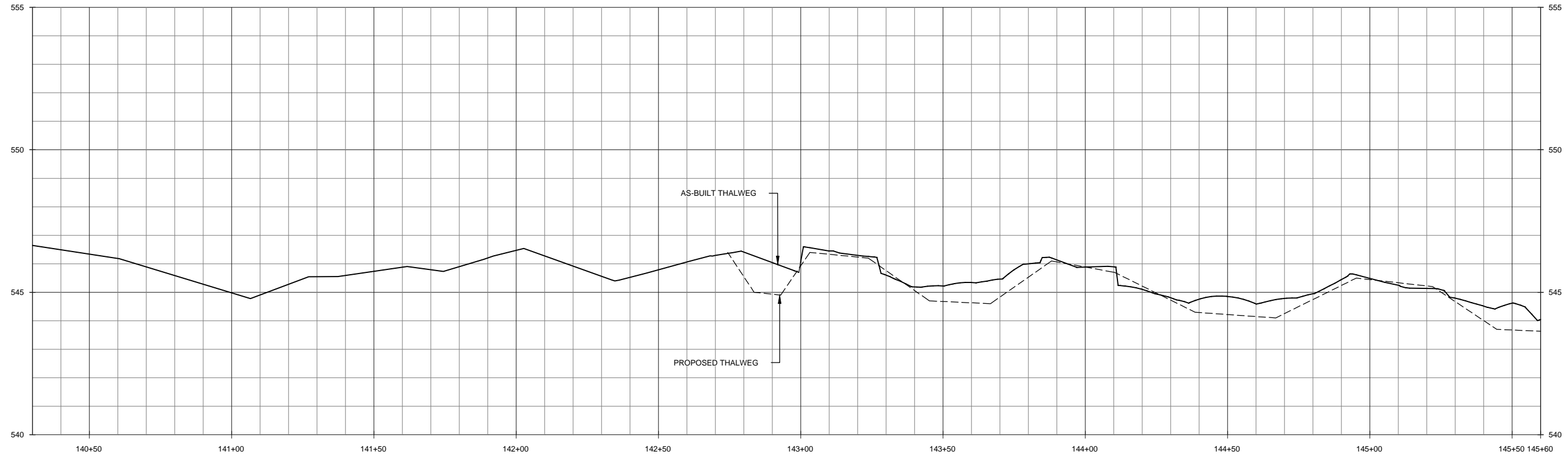
**Foust Creek Mitigation Site  
Alamance County, NC**

Foust Creek  
Stream Overlay Plans



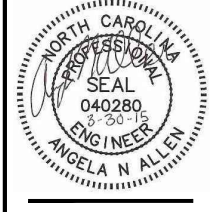
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April 30, 2015  
 F:\Projects\005-0213 - Foust Creek Mitigation Plans\As-Built\Record Drawings\0213-15-12-Profile-Final.dwg



**NOTE: AT STATIONS 143+12 AND 145+09,  
 TRANSPLANTS INSTALLED INSTEAD OF  
 BRUSH TOE DUE TO AVAILABILITY OF  
 EXISTING SHRUBS AND TREES SUITABLE  
 FOR TRANSPLANTING.**

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 Alamance County, NC**

Foust Creek  
 Stream Overlay Plans

**Record Drawing**

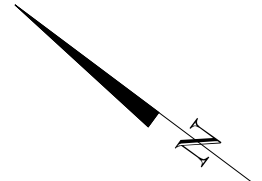
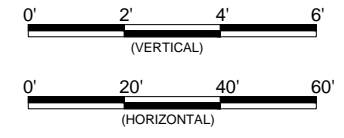
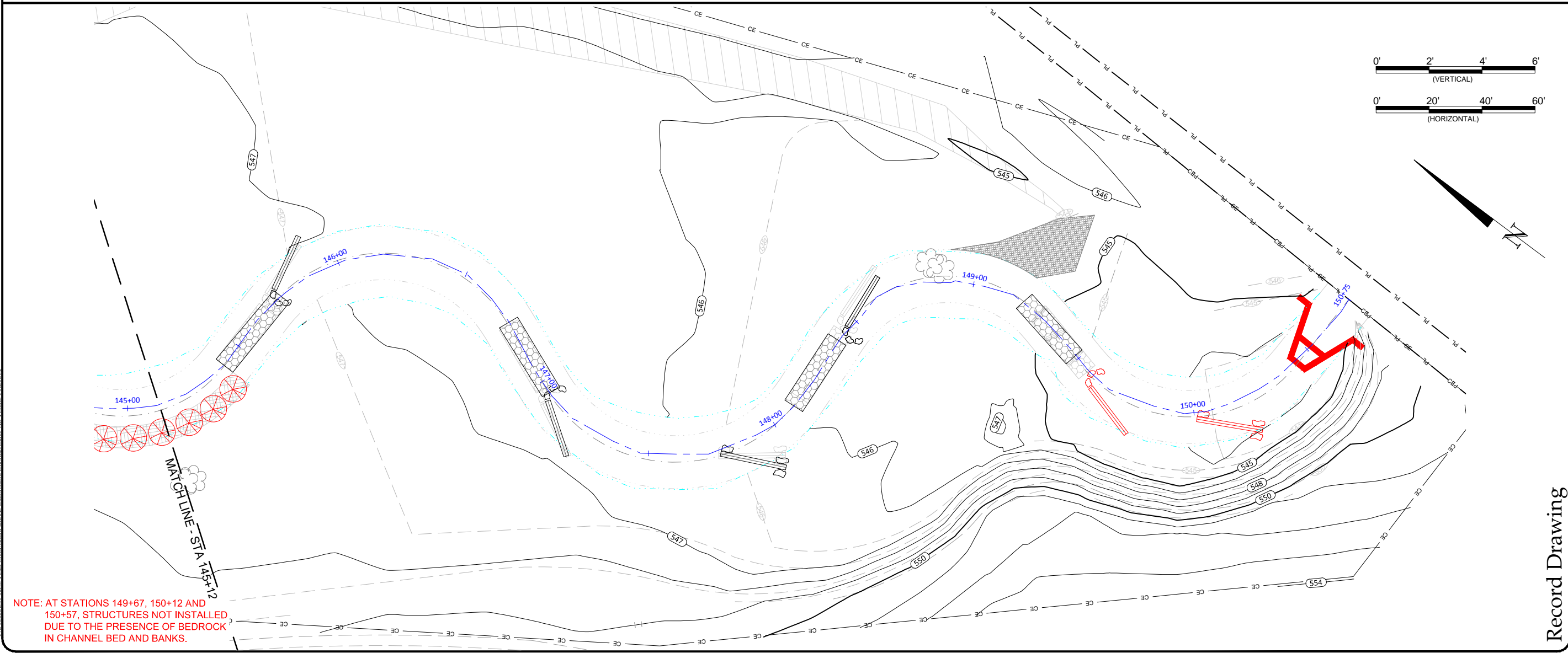
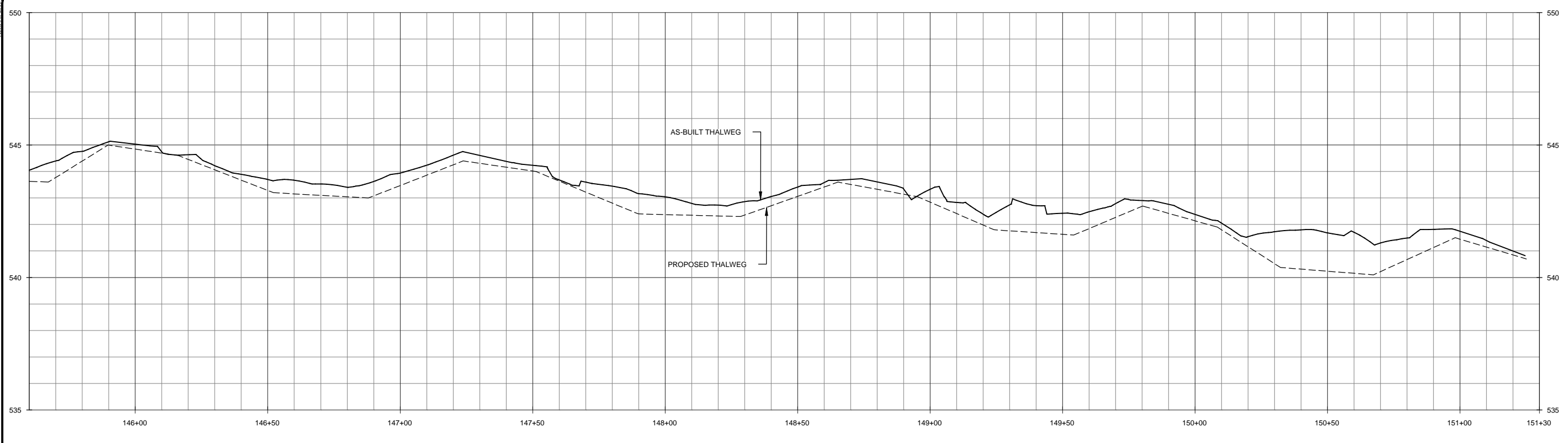
Revisions:


Date:	04-30-2015
Job Number:	005-0213
Project Engineer:	ANNA
Drawn By:	CLM
Checked By:	DMT

**1.9**

Sheet

April 30, 2015  
E:\Projects\005-0213 Foust Creek\00\Plans\A-Build\Record\_Drawing\0715-15-12-Profile-Final.dwg



**NOTE: AT STATIONS 149+67, 150+12 AND 150+57, STRUCTURES NOT INSTALLED DUE TO THE PRESENCE OF BEDROCK IN CHANNEL BED AND BANKS.**



**Foust Creek Mitigation Site  
Alamance County, NC**  
Foust Creek  
Stream Overlay Plans

Revisions:

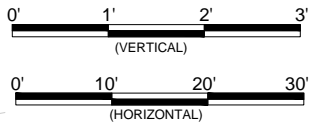
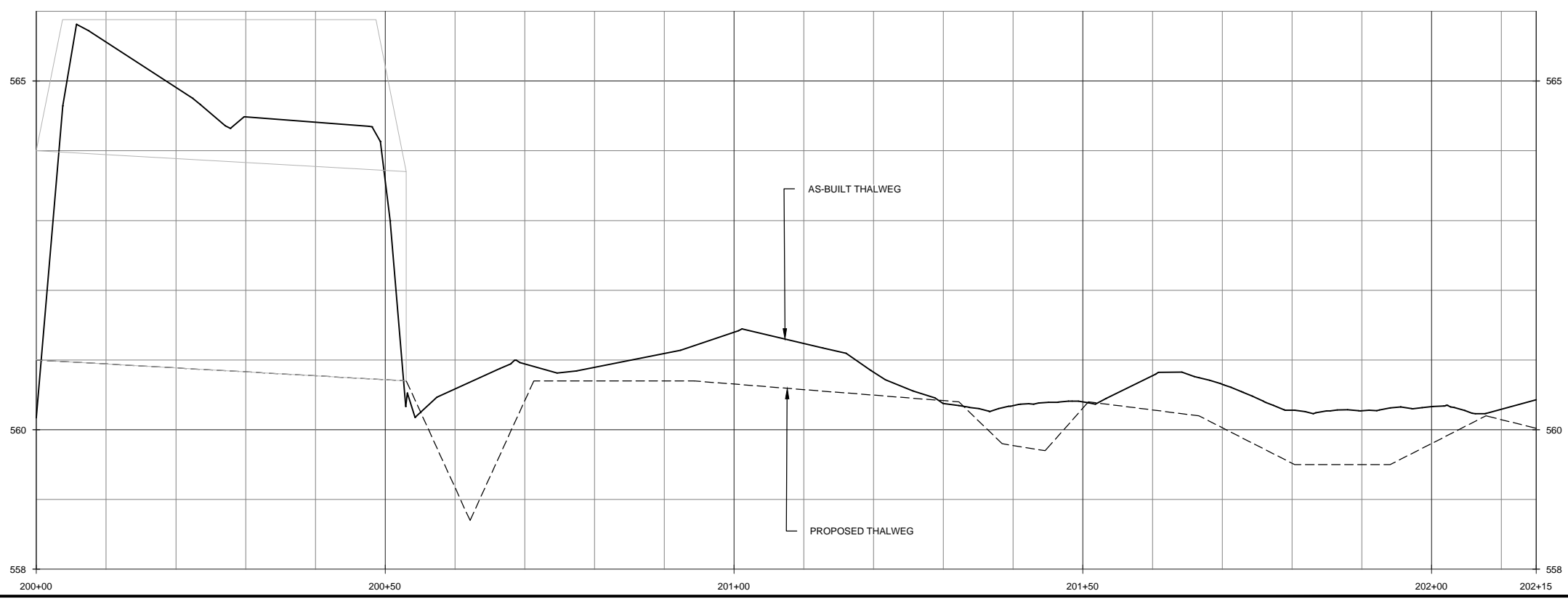
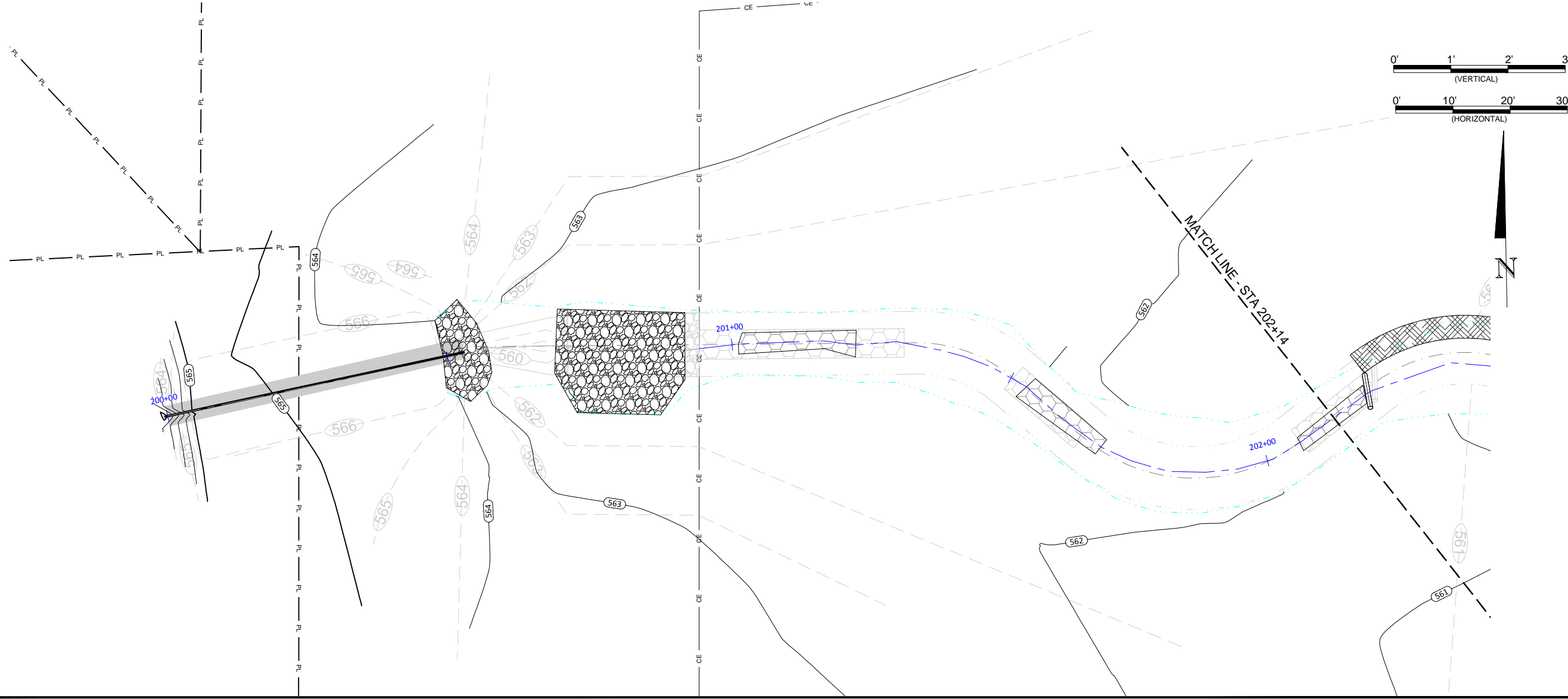

Date:	04-30-2015
Job Number:	005-0213
Project Engineer:	ANNA
Drawn By:	CLM
Checked By:	DMT

**1.10**

Sheet

**Record Drawing**

April 30, 2015  
 F:\Projects\005-02135 - Foust Creek\00\Plans\As-Built\Record\_Drawing\01 UT1 to Foust Stream Overlay Plans.dwg



**Record Drawing**

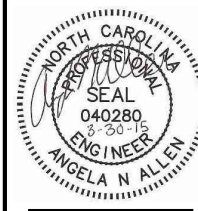
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Job Number:	005-02135
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Drawn By:	CLM
Checked By:	DMT

**1.11**

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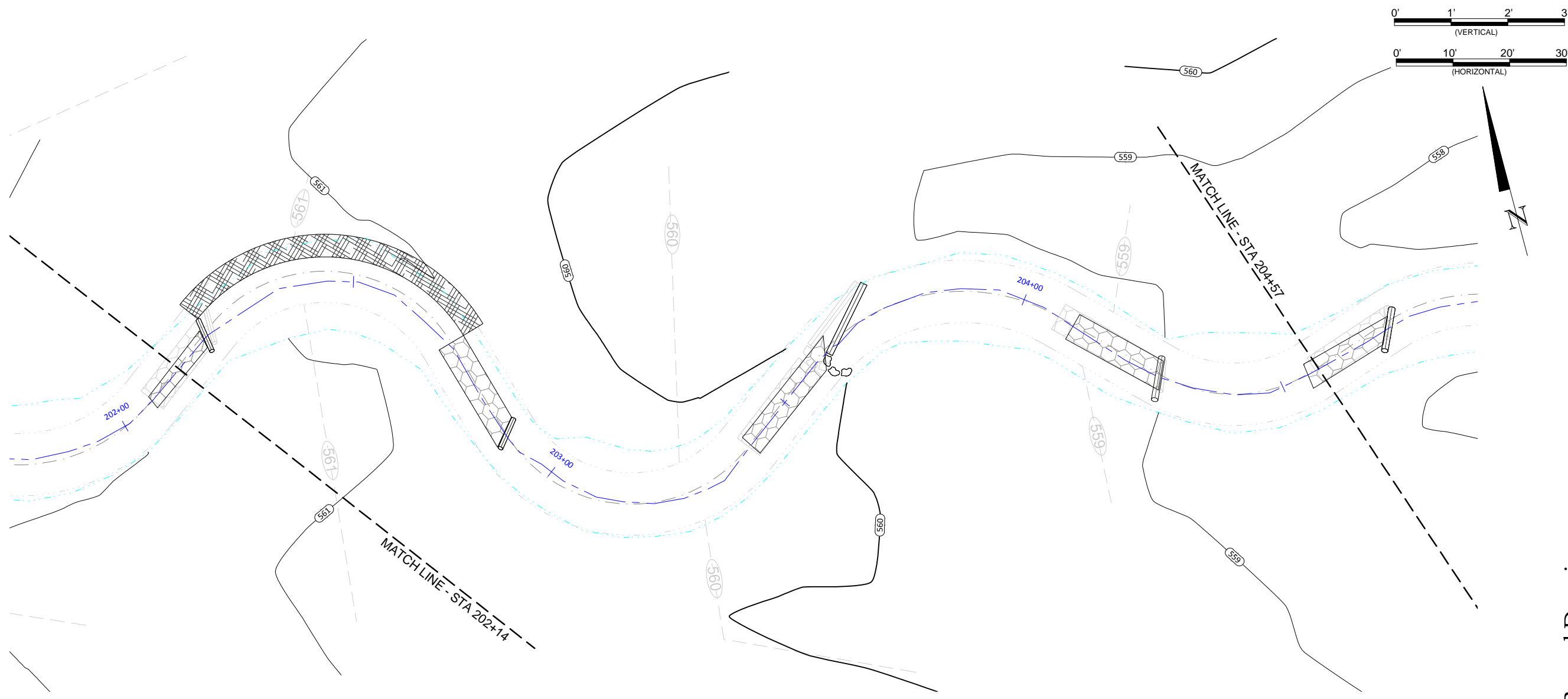
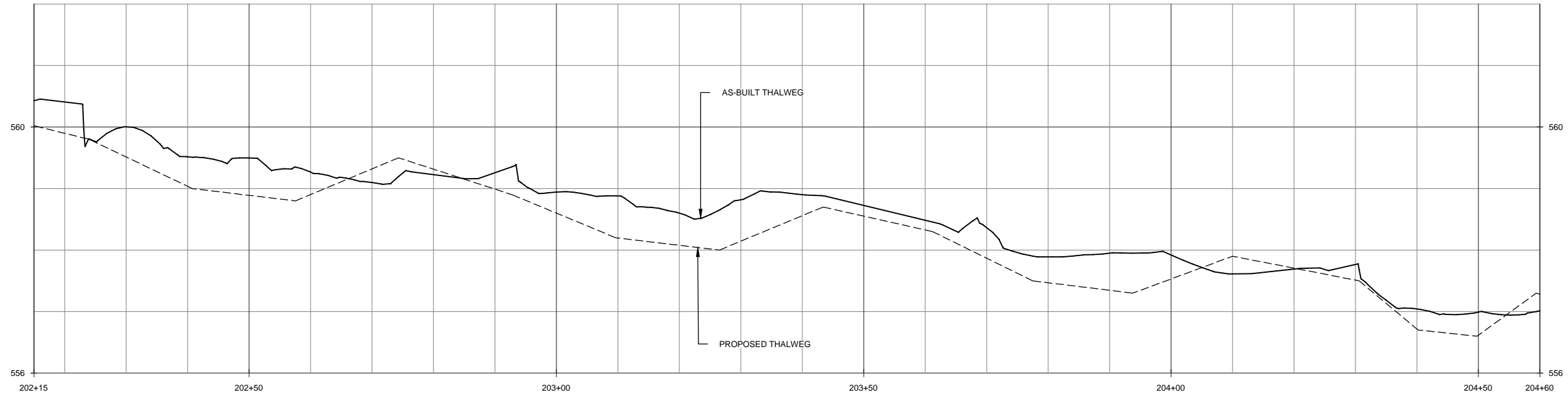
**Foust Creek Mitigation Site  
Alamance County, NC**

**UT1 to Foust Creek  
Stream Overlay Plans**



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**Foust Creek Mitigation Site**  
**Alamance County, NC**  
UT1 to Foust Creek  
Stream Overlay Plans

**Record Drawing**

Date:	04-30-2015
Job Number:	005-0213
Project Engineer:	ANA
Drawn By:	CLM
Checked By:	DMT

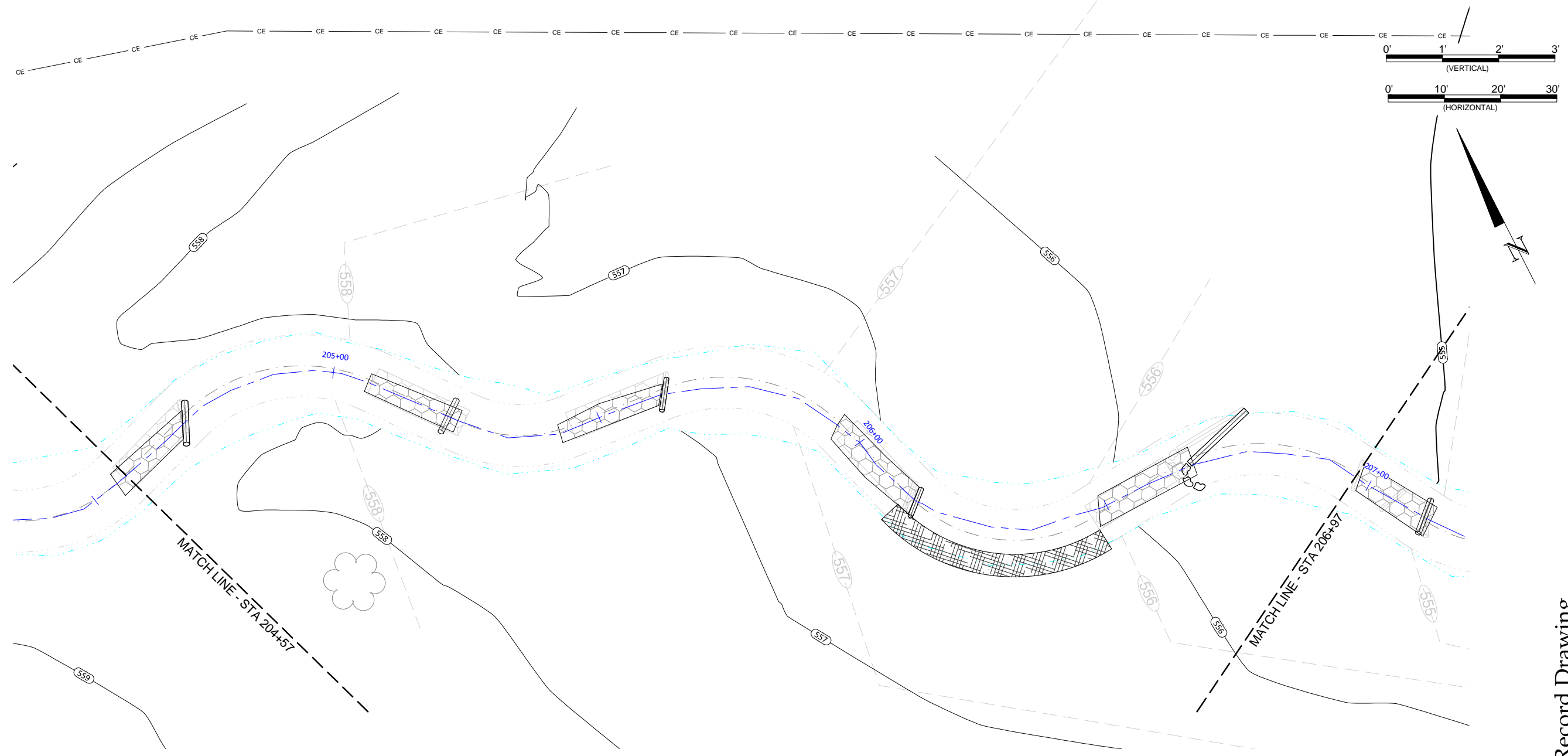
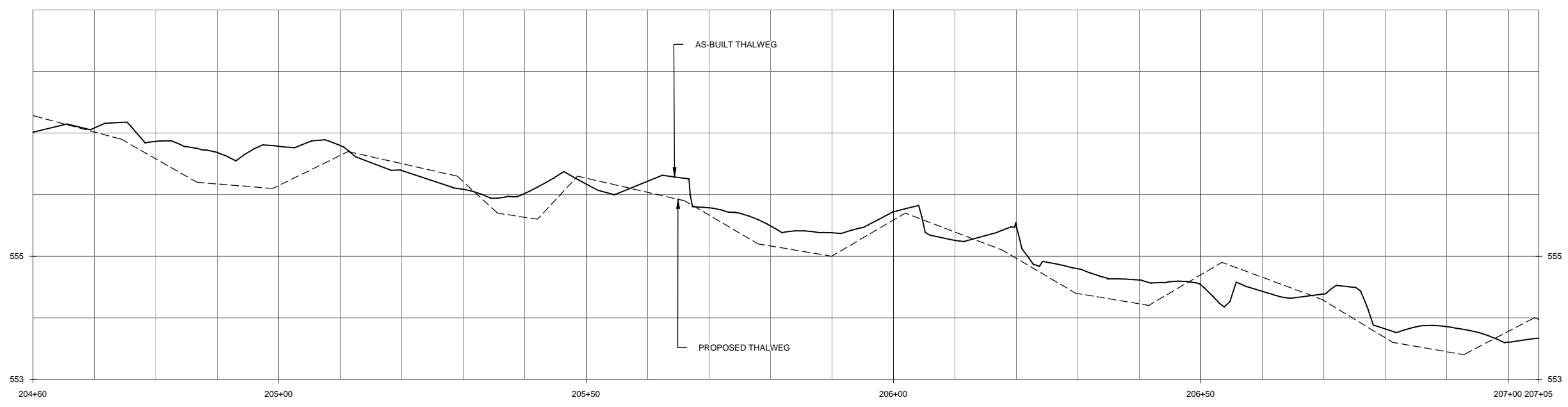
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April 30, 2015  
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Record Drawing

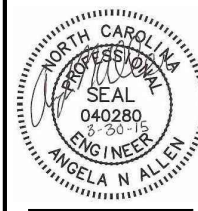
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Job Number:	005-0213
Project Engineer:	ANNA
Drawn By:	CLM
Checked By:	DMT

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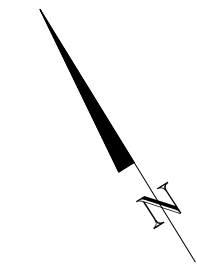
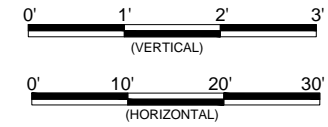
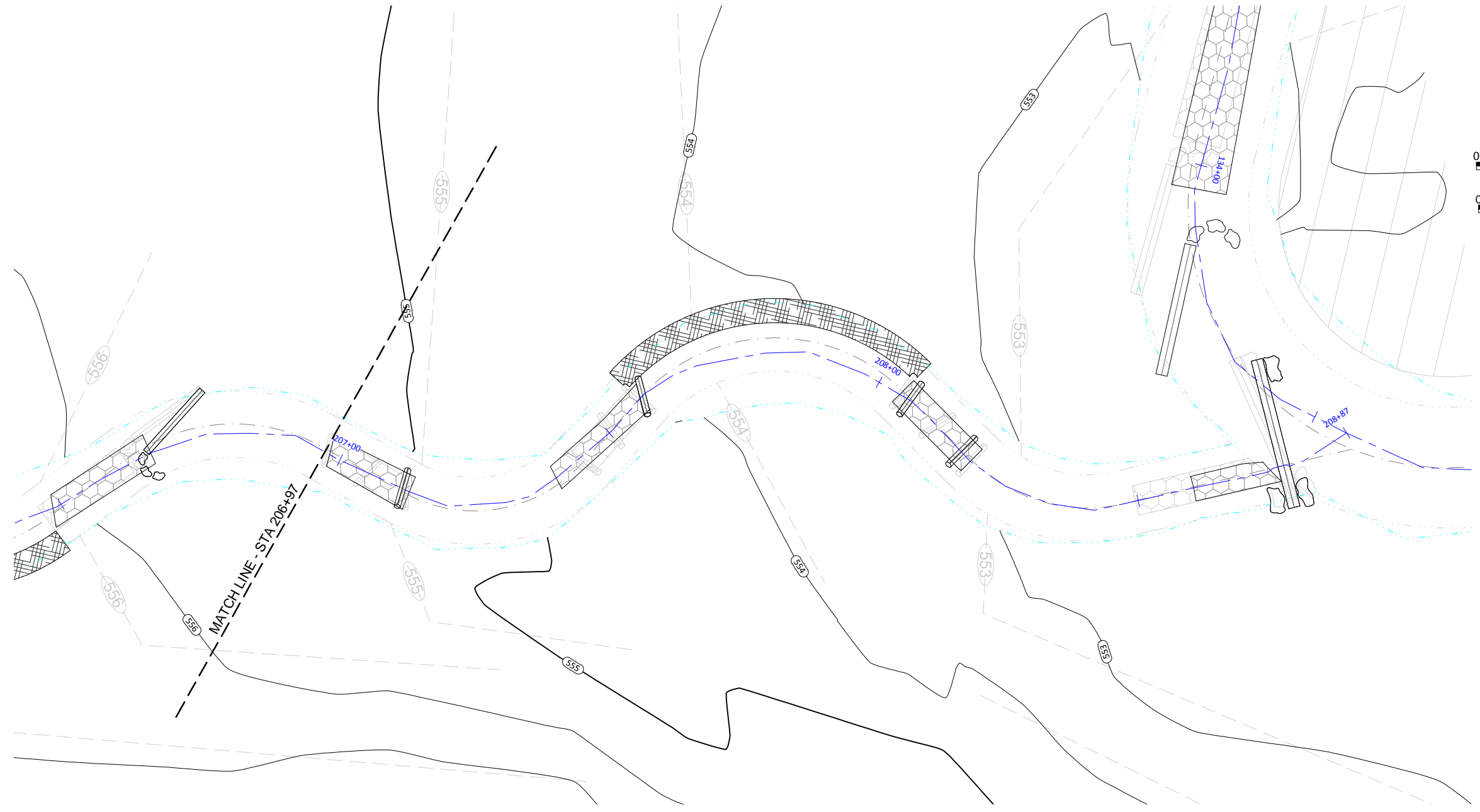
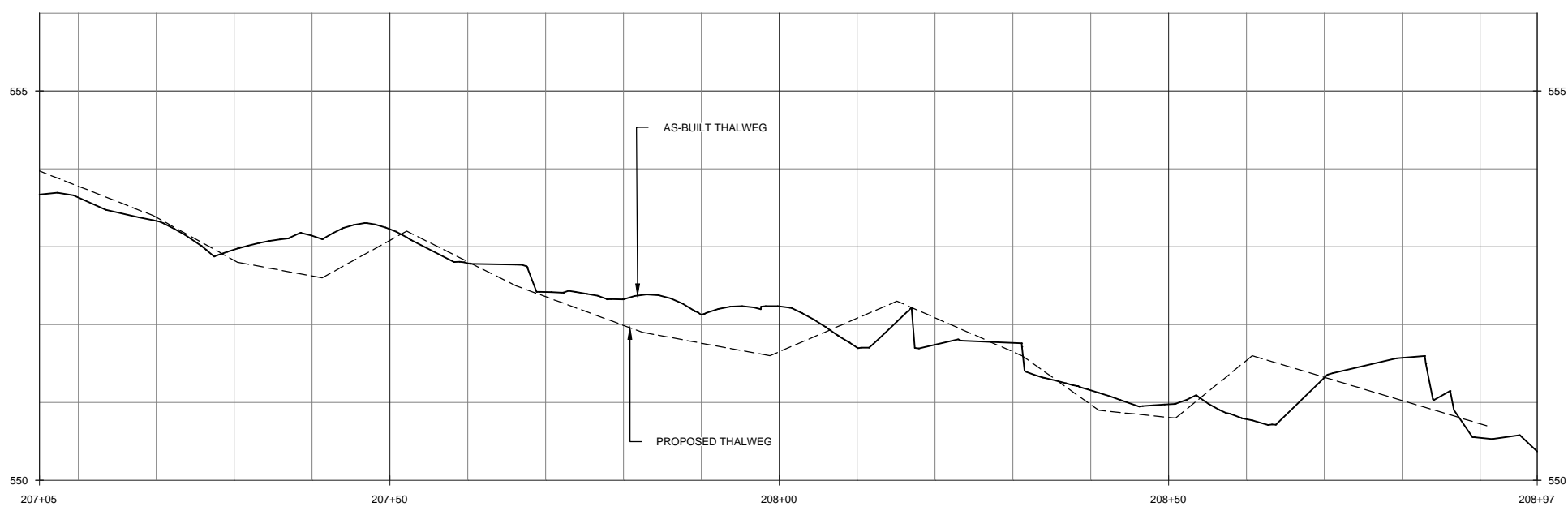
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Foust Creek Mitigation Site  
Alamance County, NC

UT1 to Foust Creek  
Stream Overlay Plans



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Record Drawing

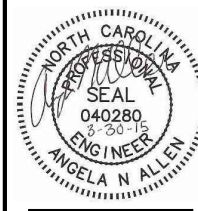
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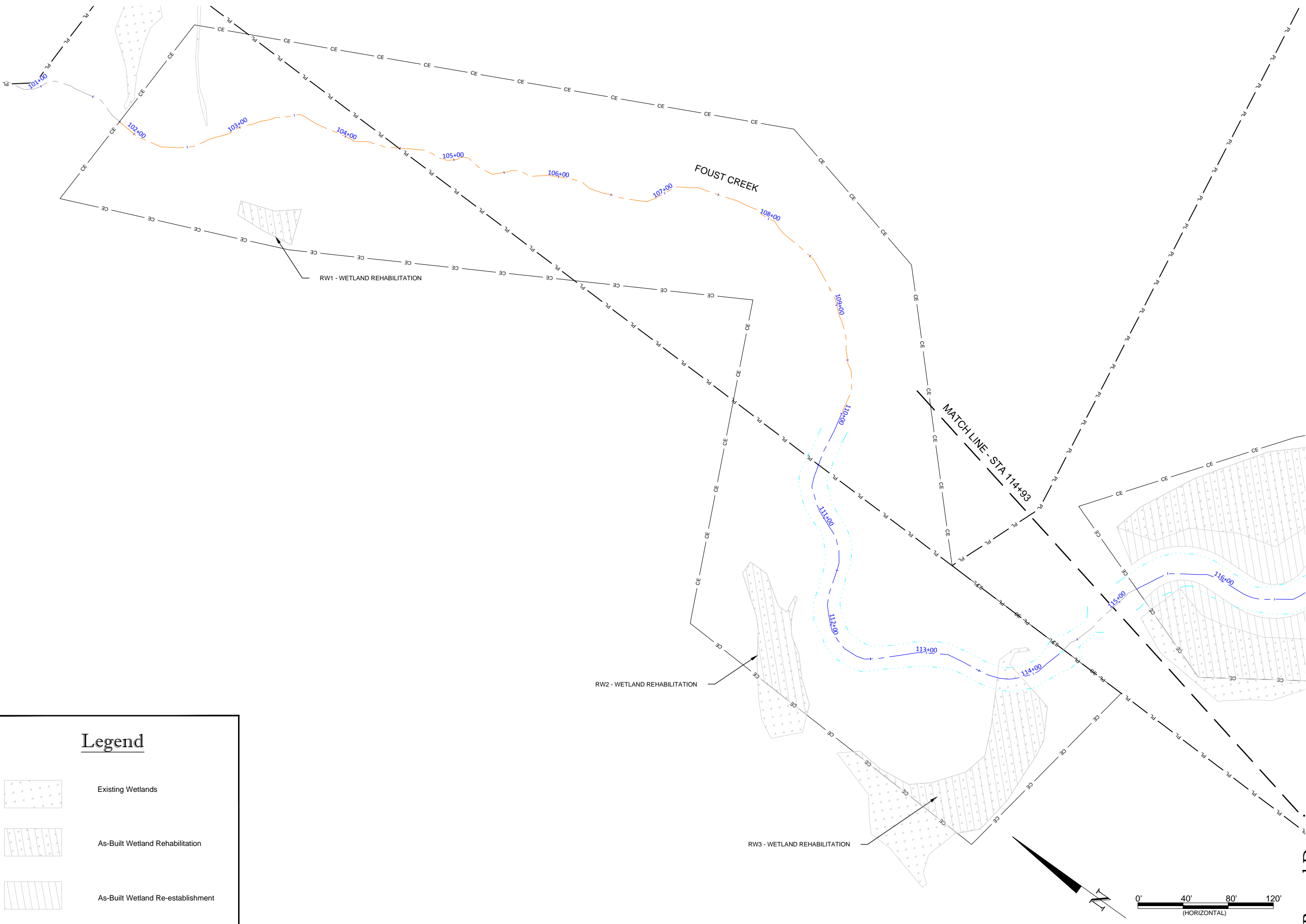
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Foust Creek Mitigation Site  
Alamance County, NC




UT1 to Foust Creek  
Stream Overlay Plans



April 30, 2015  
E:\Business\005-0213 Foust-Creek\00Plans\As-Built\Record\_Drawing\0213-01-Wetland\_Plans.dwg



### Legend

-  Existing Wetlands
-  As-Built Wetland Rehabilitation
-  As-Built Wetland Re-establishment

Record Drawing

Date:	04-30-2015
Job Number:	005-0213
Project Engineer:	ANNA
Drawn By:	CLM
Checked By:	DMT

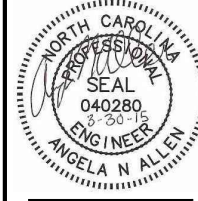
Revisions:	

## Foust Creek Mitigation Site Alamance County, NC

Wetland Plans

# 2.1


Sheet

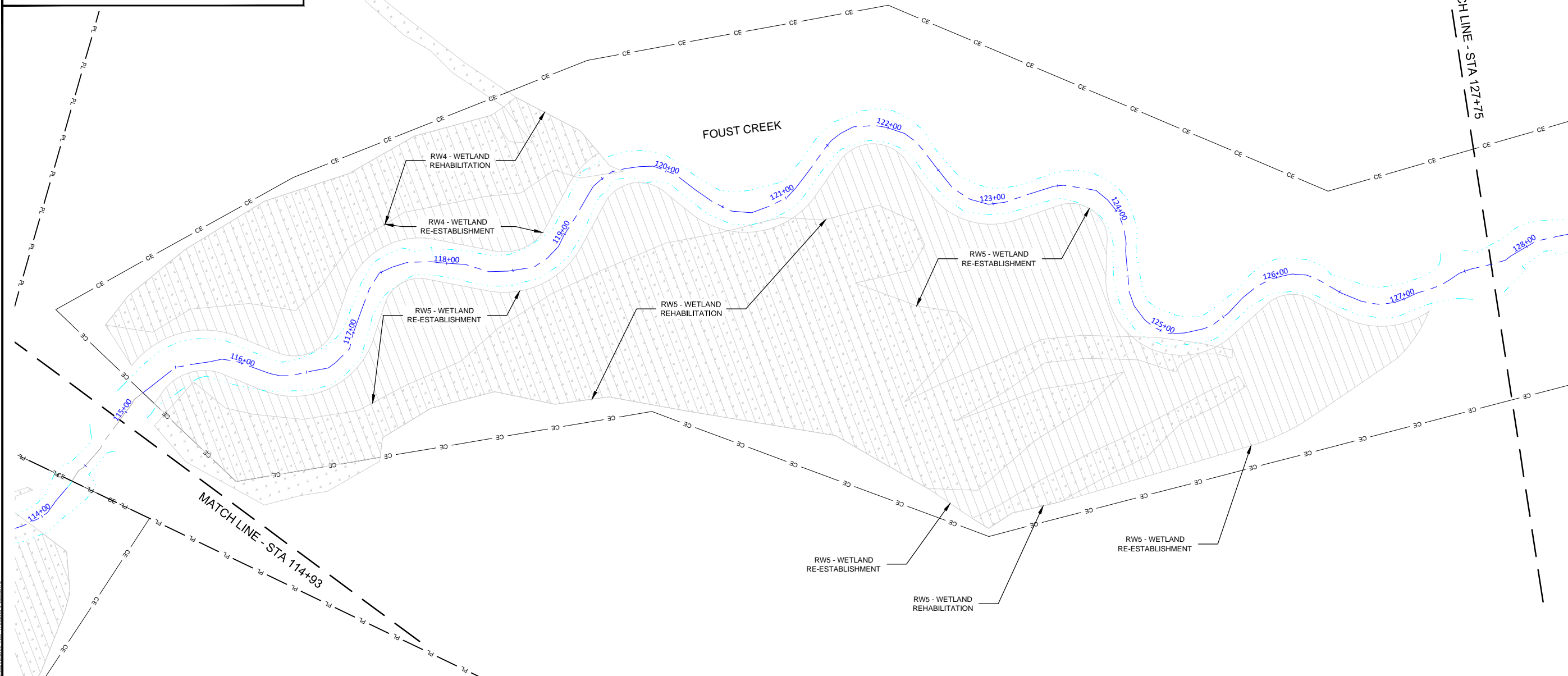


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April 30, 2015  
F:\Projects\005-0213 Foust Creek\000\Plans\As-Built\Record\_Drawing\0213-AS-Built\_Wetland\_Plans.dwg

# Legend

-  Existing Wetlands
-  As-Built Wetland Rehabilitation
-  As-Built Wetland Re-establishment



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## Foust Creek Mitigation Site Alamance County, NC

### Wetland Plans

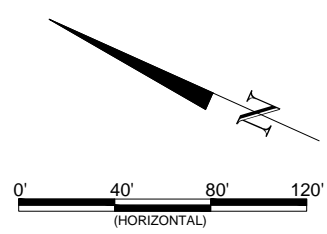
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Date:	04-30-2015
Job Number:	005-0213
Project Engineer:	ANNA
Drawn By:	CLM
Checked By:	DMT

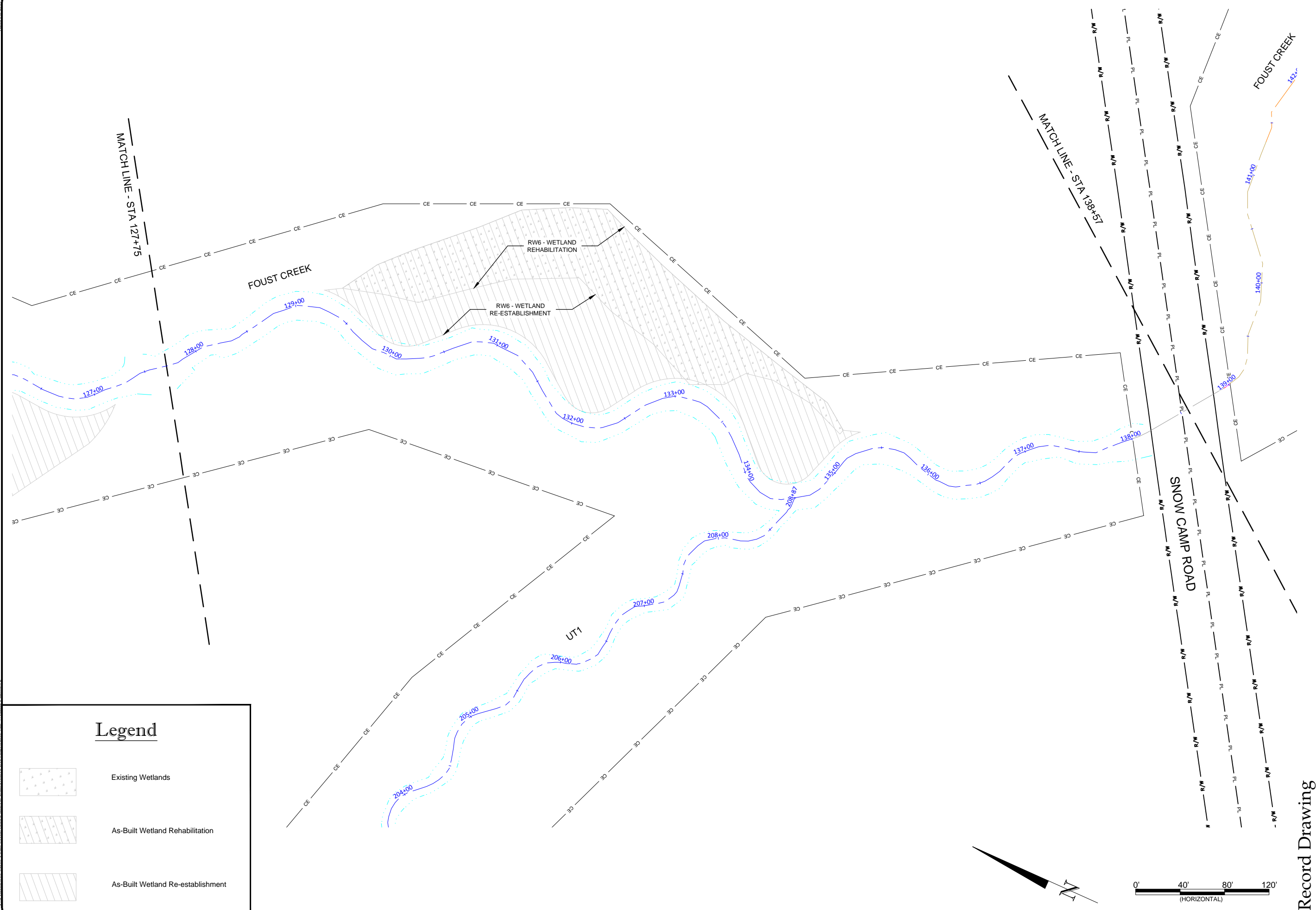
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Record Drawing

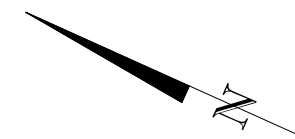


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### Legend

-  Existing Wetlands
-  As-Built Wetland Rehabilitation
-  As-Built Wetland Re-establishment



Record Drawing

Date:	04-30-2015
Job Number:	005-0213
Project Engineer:	ANNA
Drawn By:	CLM
Checked By:	DMT

Revisions:

## Foust Creek Mitigation Site Alamance County, NC

Wetland Plans

2.3


Sheet

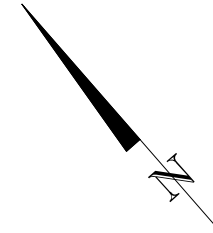
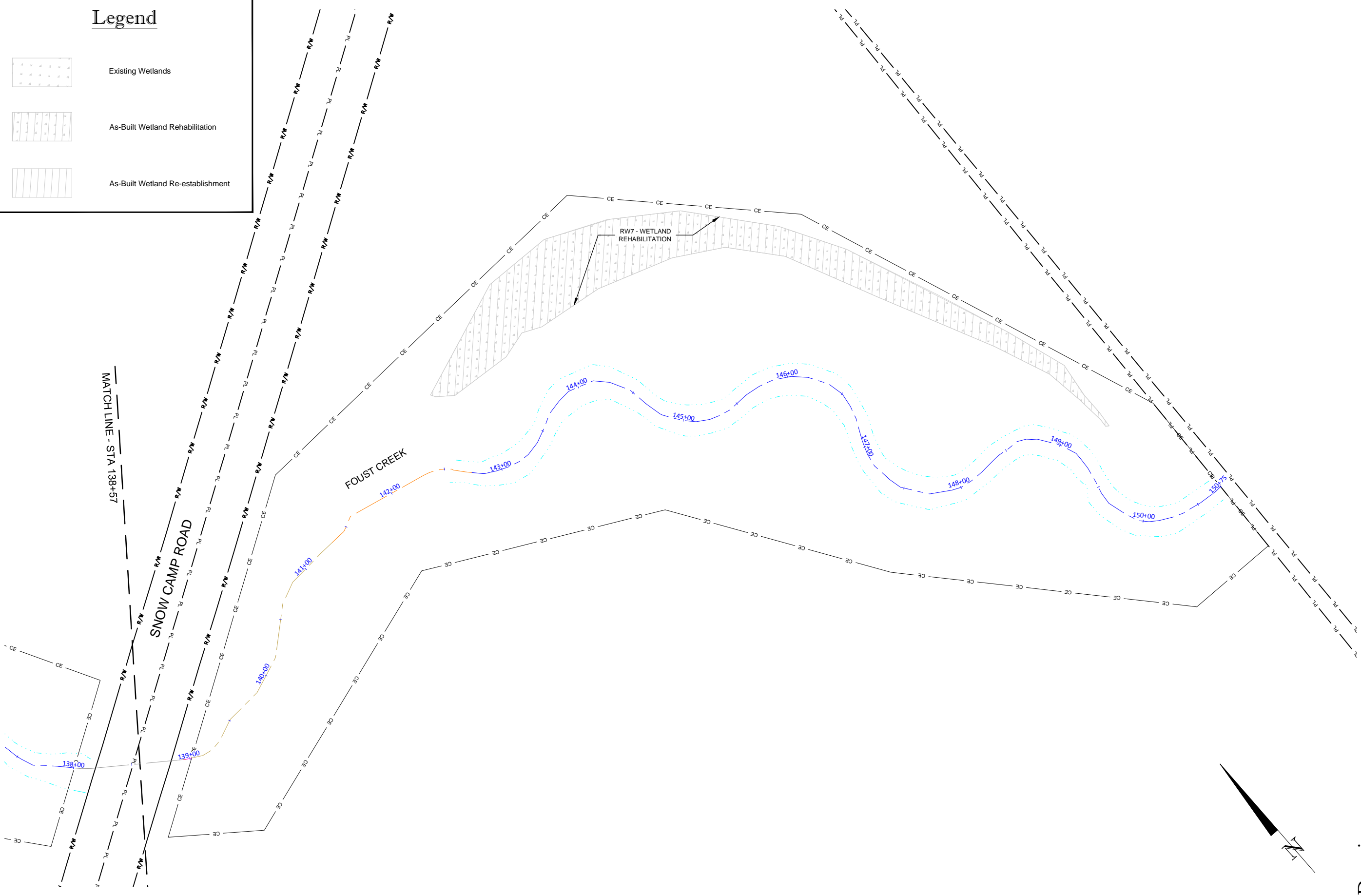


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Fax: 910.851.9986  
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April 30, 2015  
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# Legend

-  Existing Wetlands
-  As-Built Wetland Rehabilitation
-  As-Built Wetland Re-establishment



## Record Drawing

Date:	04-30-2015
Job Number:	005-02135
Project Engineer:	ANNA
Drawn By:	CLM
Checked By:	DMT

Revisions:

# 2.4

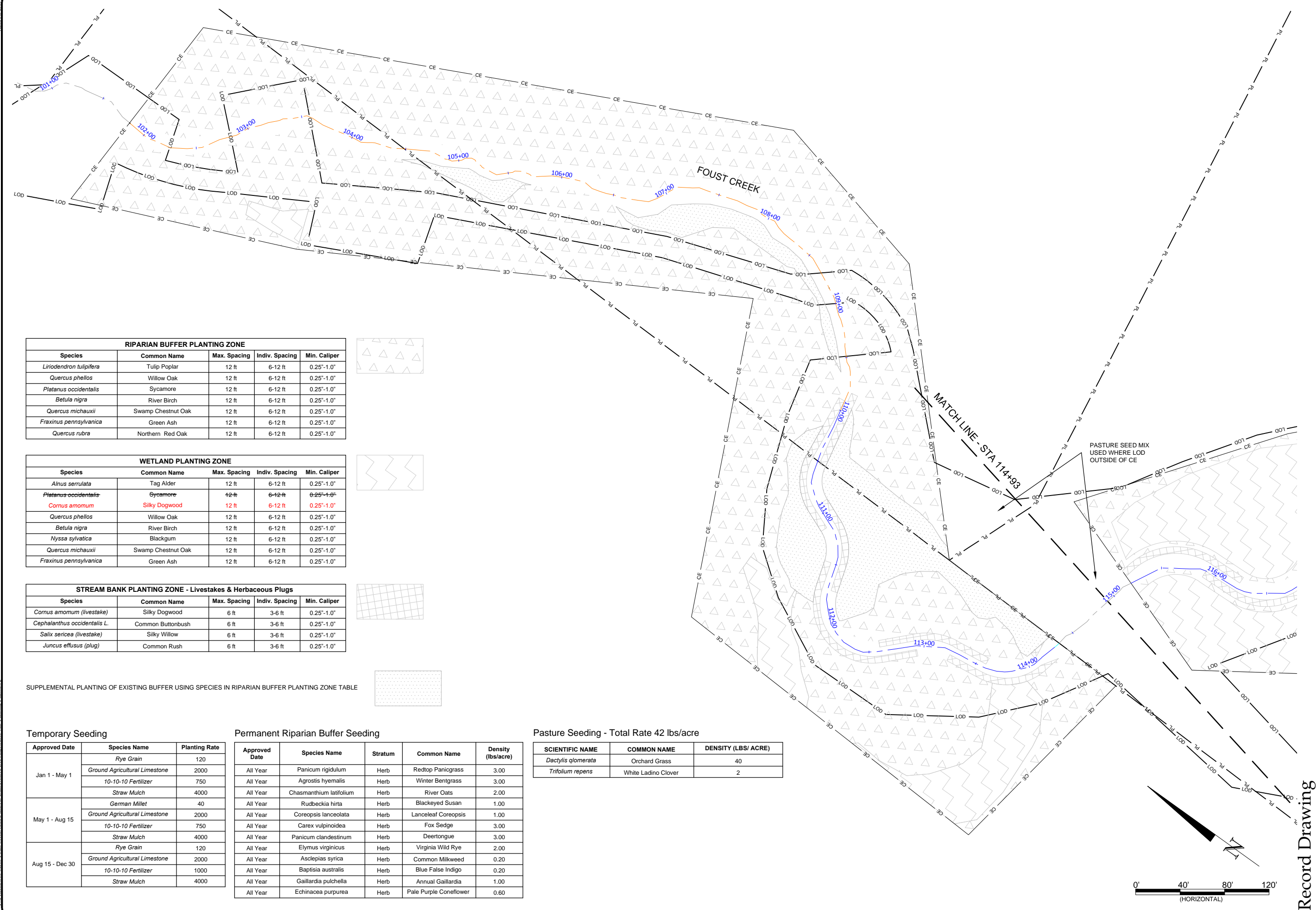
## Foust Creek Mitigation Site Alamance County, NC

### Wetland Plans



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April 30, 2015  
 F:\Projects\005-02135 - Foust Creek Mitigation Plans\As-Built\Record\_Drawing\001-3.1-1E Planting Plans.dwg



RIPARIAN BUFFER PLANTING ZONE				
Species	Common Name	Max. Spacing	Indiv. Spacing	Min. Caliper
<i>Liriodendron tulipifera</i>	Tulip Poplar	12 ft	6-12 ft	0.25"-1.0"
<i>Quercus phellos</i>	Willow Oak	12 ft	6-12 ft	0.25"-1.0"
<i>Platanus occidentalis</i>	Sycamore	12 ft	6-12 ft	0.25"-1.0"
<i>Betula nigra</i>	River Birch	12 ft	6-12 ft	0.25"-1.0"
<i>Quercus michauxii</i>	Swamp Chestnut Oak	12 ft	6-12 ft	0.25"-1.0"
<i>Fraxinus pennsylvanica</i>	Green Ash	12 ft	6-12 ft	0.25"-1.0"
<i>Quercus rubra</i>	Northern Red Oak	12 ft	6-12 ft	0.25"-1.0"

WETLAND PLANTING ZONE				
Species	Common Name	Max. Spacing	Indiv. Spacing	Min. Caliper
<i>Alnus serrulata</i>	Tag Alder	12 ft	6-12 ft	0.25"-1.0"
<i>Platanus occidentalis</i>	Sycamore	12 ft	6-12 ft	0.25"-1.0"
<i>Cornus amomum</i>	Silky Dogwood	12 ft	6-12 ft	0.25"-1.0"
<i>Quercus phellos</i>	Willow Oak	12 ft	6-12 ft	0.25"-1.0"
<i>Betula nigra</i>	River Birch	12 ft	6-12 ft	0.25"-1.0"
<i>Nyssa sylvatica</i>	Blackgum	12 ft	6-12 ft	0.25"-1.0"
<i>Quercus michauxii</i>	Swamp Chestnut Oak	12 ft	6-12 ft	0.25"-1.0"
<i>Fraxinus pennsylvanica</i>	Green Ash	12 ft	6-12 ft	0.25"-1.0"

STREAM BANK PLANTING ZONE - Livestakes & Herbaceous Plugs				
Species	Common Name	Max. Spacing	Indiv. Spacing	Min. Caliper
<i>Cornus amomum</i> (livestake)	Silky Dogwood	6 ft	3-6 ft	0.25"-1.0"
<i>Cephalanthus occidentalis</i> L.	Common Buttonbush	6 ft	3-6 ft	0.25"-1.0"
<i>Salix sericea</i> (livestake)	Silky Willow	6 ft	3-6 ft	0.25"-1.0"
<i>Juncus effusus</i> (plug)	Common Rush	6 ft	3-6 ft	0.25"-1.0"

SUPPLEMENTAL PLANTING OF EXISTING BUFFER USING SPECIES IN RIPARIAN BUFFER PLANTING ZONE TABLE

Temporary Seeding		
Approved Date	Species Name	Planting Rate
Jan 1 - May 1	Rye Grain	120
	Ground Agricultural Limestone	2000
	10-10-10 Fertilizer	750
	Straw Mulch	4000
May 1 - Aug 15	German Millet	40
	Ground Agricultural Limestone	2000
	10-10-10 Fertilizer	750
	Straw Mulch	4000
Aug 15 - Dec 30	Rye Grain	120
	Ground Agricultural Limestone	2000
	10-10-10 Fertilizer	1000
	Straw Mulch	4000

Permanent Riparian Buffer Seeding						
Approved Date	Species Name	Stratum	Common Name	Density (lbs/acre)		
All Year	<i>Panicum rigidulum</i>	Herb	Redtop Panicgrass	3.00		
All Year	<i>Agrostis hyemalis</i>	Herb	Winter Bentgrass	3.00		
All Year	<i>Chasmanthium latifolium</i>	Herb	River Oats	2.00		
All Year	<i>Rudbeckia hirta</i>	Herb	Blackeyed Susan	1.00		
All Year	<i>Coreopsis lanceolata</i>	Herb	Lanceleaf Coreopsis	1.00		
All Year	<i>Carex vulpinoidea</i>	Herb	Fox Sedge	3.00		
All Year	<i>Panicum clandestinum</i>	Herb	Deertongue	3.00		
All Year	<i>Elymus virginicus</i>	Herb	Virginia Wild Rye	2.00		
All Year	<i>Asclepias syriaca</i>	Herb	Common Milkweed	0.20		
All Year	<i>Baptisia australis</i>	Herb	Blue False Indigo	0.20		
All Year	<i>Gaillardia pulchella</i>	Herb	Annual Gaillardia	1.00		
All Year	<i>Echinacea purpurea</i>	Herb	Pale Purple Coneflower	0.60		

Pasture Seeding - Total Rate 42 lbs/acre		
SCIENTIFIC NAME	COMMON NAME	DENSITY (LBS/ ACRE)
<i>Dactylis glomerata</i>	Orchard Grass	40
<i>Trifolium repens</i>	White Ladino Clover	2



**Foust Creek Mitigation Site**  
**Alamance County, NC**

**Foust Creek**  
**Planting Plan**

Revisions:	

Date: 04-30-2015  
 Job Number: 005-02135  
 Project Engineer: ANA  
 Drawn By: CLM  
 Checked By: DMT

**3.1**

Sheet

**Record Drawing**

April 30, 2015  
 F:\Projects\005-0213 - Foust Creek Mitigation\Drawings\0213-05-12-Planting Plan.dwg

**Temporary Seeding**

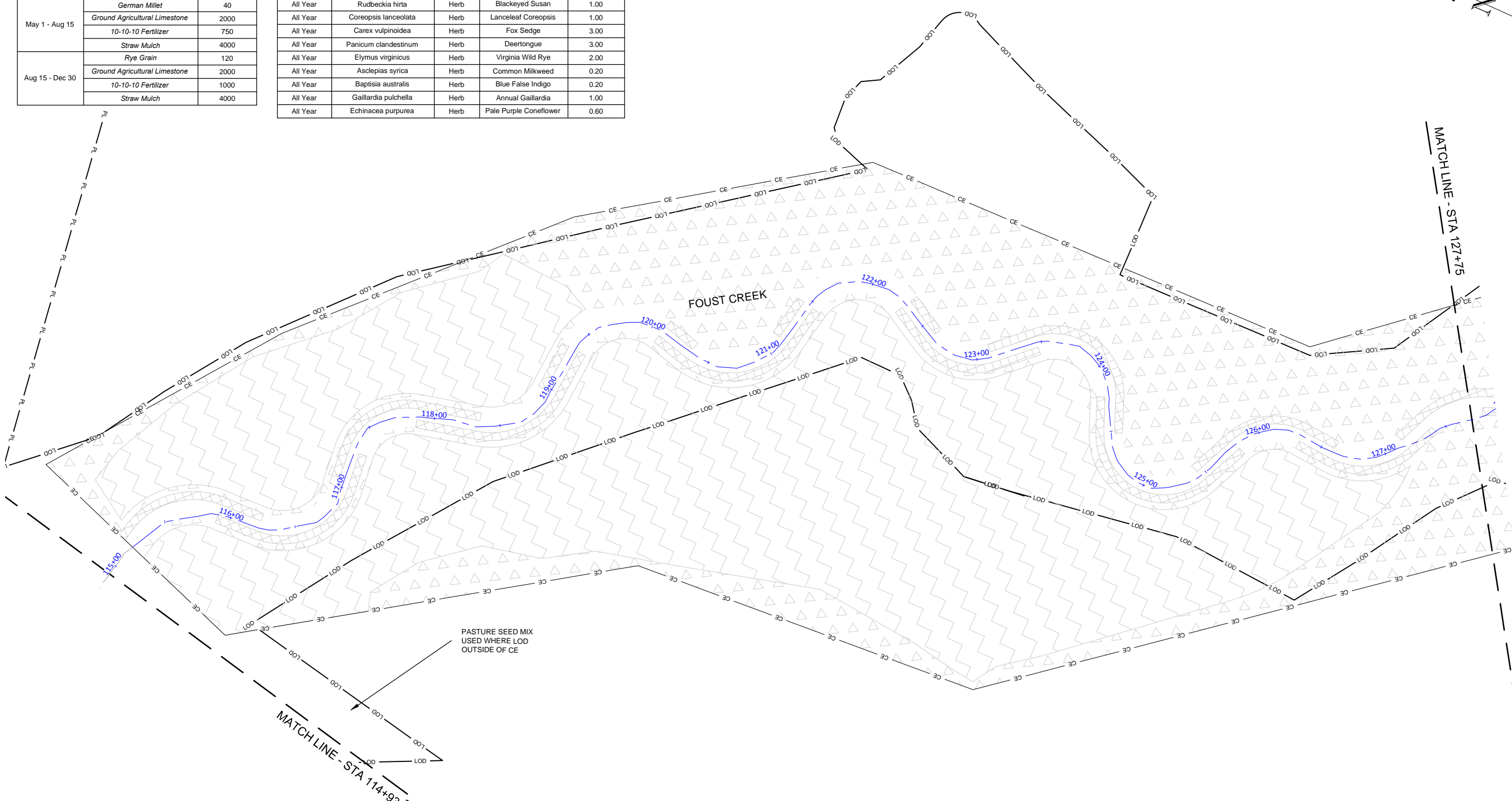
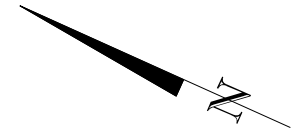
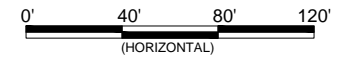
Approved Date	Species Name	Planting Rate
Jan 1 - May 1	Rye Grain	120
	Ground Agricultural Limestone	2000
	10-10-10 Fertilizer	750
	Straw Mulch	4000
May 1 - Aug 15	German Millet	40
	Ground Agricultural Limestone	2000
	10-10-10 Fertilizer	750
	Straw Mulch	4000
Aug 15 - Dec 30	Rye Grain	120
	Ground Agricultural Limestone	2000
	10-10-10 Fertilizer	1000
	Straw Mulch	4000

**Permanent Riparian Buffer Seeding**

Approved Date	Species Name	Stratum	Common Name	Density (lbs/acre)
All Year	Panicum rigidulum	Herb	Redtop Panicgrass	3.00
All Year	Agrostis hyemalis	Herb	Winter Bentgrass	3.00
All Year	Chasmanthium latifolium	Herb	River Oats	2.00
All Year	Rudbeckia hirta	Herb	Blackeyed Susan	1.00
All Year	Coreopsis lanceolata	Herb	Lanceleaf Coreopsis	1.00
All Year	Carex vulpinoidea	Herb	Fox Sedge	3.00
All Year	Panicum clandestinum	Herb	Deertongue	3.00
All Year	Elymus virginicus	Herb	Virginia Wild Rye	2.00
All Year	Asclepias syriaca	Herb	Common Milkweed	0.20
All Year	Baptisia australis	Herb	Blue False Indigo	0.20
All Year	Gaillardia pulchella	Herb	Annual Gaillardia	1.00
All Year	Echinacea purpurea	Herb	Pale Purple Coneflower	0.60

**Pasture Seeding - Total Rate 42 lbs/acre**

SCIENTIFIC NAME	COMMON NAME	DENSITY (LBS/ ACRE)
<i>Dactylis glomerata</i>	Orchard Grass	40
<i>Trifolium repens</i>	White Ladino Clover	2



PASTURE SEED MIX USED WHERE LOD OUTSIDE OF CE

RIPARIAN BUFFER PLANTING ZONE				
Species	Common Name	Max. Spacing	Indiv. Spacing	Min. Caliper
<i>Liriodendron tulipifera</i>	Tulip Poplar	12 ft	6-12 ft	0.25"-1.0"
<i>Quercus phellos</i>	Willow Oak	12 ft	6-12 ft	0.25"-1.0"
<i>Platanus occidentalis</i>	Sycamore	12 ft	6-12 ft	0.25"-1.0"
<i>Betula nigra</i>	River Birch	12 ft	6-12 ft	0.25"-1.0"
<i>Quercus michauxii</i>	Swamp Chestnut Oak	12 ft	6-12 ft	0.25"-1.0"
<i>Fraxinus pennsylvanica</i>	Green Ash	12 ft	6-12 ft	0.25"-1.0"
<i>Quercus rubra</i>	Northern Red Oak	12 ft	6-12 ft	0.25"-1.0"

WETLAND PLANTING ZONE				
Species	Common Name	Max. Spacing	Indiv. Spacing	Min. Caliper
<i>Alnus serrulata</i>	Tag Alder	12 ft	6-12 ft	0.25"-1.0"
<i>Platanus occidentalis</i>	Sycamore	12 ft	6-12 ft	0.25"-1.0"
<i>Cornus amomum</i>	Silky Dogwood	12 ft	6-12 ft	0.25"-1.0"
<i>Quercus phellos</i>	Willow Oak	12 ft	6-12 ft	0.25"-1.0"
<i>Betula nigra</i>	River Birch	12 ft	6-12 ft	0.25"-1.0"
<i>Nyssa sylvatica</i>	Blackgum	12 ft	6-12 ft	0.25"-1.0"
<i>Quercus michauxii</i>	Swamp Chestnut Oak	12 ft	6-12 ft	0.25"-1.0"
<i>Fraxinus pennsylvanica</i>	Green Ash	12 ft	6-12 ft	0.25"-1.0"

STREAM BANK PLANTING ZONE - Livestakes & Herbaceous Plugs				
Species	Common Name	Max. Spacing	Indiv. Spacing	Min. Caliper
<i>Cornus amomum</i> (livestake)	Silky Dogwood	6 ft	3-6 ft	0.25"-1.0"
<i>Cephalanthus occidentalis</i> L.	Common Buttonbush	6 ft	3-6 ft	0.25"-1.0"
<i>Salix sericea</i> (livestake)	Silky Willow	6 ft	3-6 ft	0.25"-1.0"
<i>Juncus effusus</i> (plug)	Common Rush	6 ft	3-6 ft	0.25"-1.0"

**Record Drawing**

Revisions:

Date	By	Description
04-30-2015	ANNA	005-0213
	CLM	
	DMT	

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**Foust Creek Mitigation Site  
 Alamance County, NC**

**Foust Creek  
 Planting Plan**

**3.2**

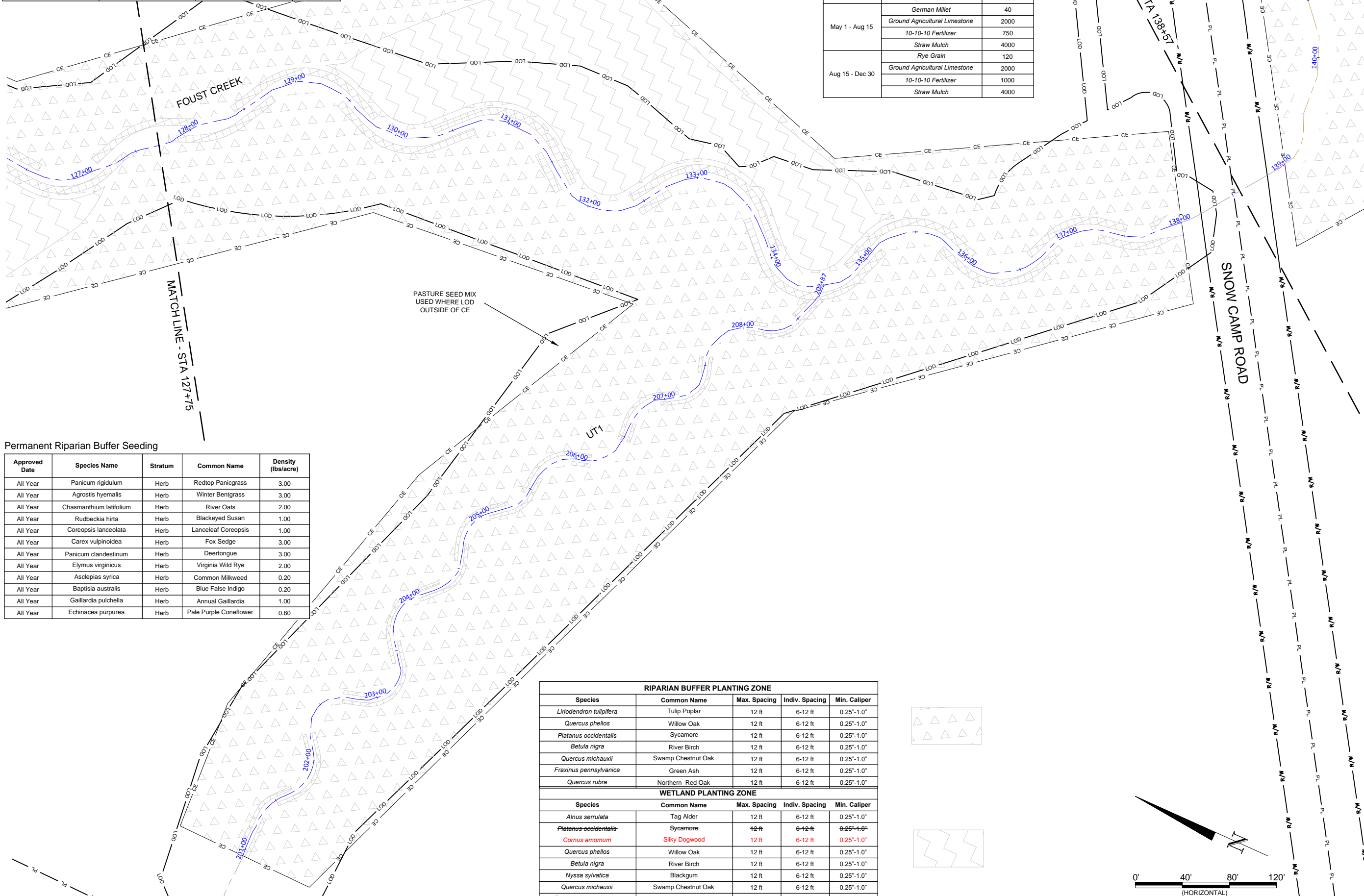
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April 30, 2015  
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STREAM BANK PLANTING ZONE - Livestakes & Herbaceous Plugs				
Species	Common Name	Max. Spacing	Indiv. Spacing	Min. Caliper
<i>Cornus amomum</i> (livestake)	Silky Dogwood	6 ft	3-6 ft	0.25"-1.0"
<i>Cephalanthus occidentalis</i> L.	Common Buttonbush	6 ft	3-6 ft	0.25"-1.0"
<i>Salix sericea</i> (livestake)	Silky Willow	6 ft	3-6 ft	0.25"-1.0"
<i>Juncus effusus</i> (plug)	Common Rush	6 ft	3-6 ft	0.25"-1.0"

Temporary Seeding		
Approved Date	Species Name	Planting Rate
Jan 1 - May 1	Rye Grain	120
	Ground Agricultural Limestone	2000
	10-10-10 Fertilizer	750
	Straw Mulch	4000
May 1 - Aug 15	German Millet	40
	Ground Agricultural Limestone	2000
	10-10-10 Fertilizer	750
	Straw Mulch	4000
Aug 15 - Dec 30	Rye Grain	120
	Ground Agricultural Limestone	2000
	10-10-10 Fertilizer	1000
	Straw Mulch	4000

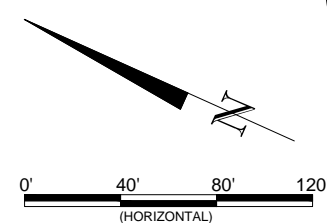


Approved Date	Species Name	Stratum	Common Name	Density (lbs/acre)
All Year	<i>Panicum rigidulum</i>	Herb	Redtop Panicgrass	3.00
All Year	<i>Agrostis hyemalis</i>	Herb	Winter Bentgrass	3.00
All Year	<i>Chasmanthium latifolium</i>	Herb	River Oats	2.00
All Year	<i>Rudbeckia hirta</i>	Herb	Blackeyed Susan	1.00
All Year	<i>Coreopsis lanceolata</i>	Herb	Lanceleaf Coreopsis	1.00
All Year	<i>Carex vulpinoidea</i>	Herb	Fox Sedge	3.00
All Year	<i>Panicum clandestinum</i>	Herb	Deertongue	3.00
All Year	<i>Elymus virginicus</i>	Herb	Virginia Wild Rye	2.00
All Year	<i>Asclepias syriaca</i>	Herb	Common Milkweed	0.20
All Year	<i>Baptisia australis</i>	Herb	Blue False Indigo	0.20
All Year	<i>Gaillardia pulchella</i>	Herb	Annual Gaillardia	1.00
All Year	<i>Echinacea purpurea</i>	Herb	Pale Purple Coneflower	0.60

RIPARIAN BUFFER PLANTING ZONE				
Species	Common Name	Max. Spacing	Indiv. Spacing	Min. Caliper
<i>Liriodendron tulipifera</i>	Tulip Poplar	12 ft	6-12 ft	0.25"-1.0"
<i>Quercus phellos</i>	Willow Oak	12 ft	6-12 ft	0.25"-1.0"
<i>Platanus occidentalis</i>	Sycamore	12 ft	6-12 ft	0.25"-1.0"
<i>Betula nigra</i>	River Birch	12 ft	6-12 ft	0.25"-1.0"
<i>Quercus michauxii</i>	Swamp Chestnut Oak	12 ft	6-12 ft	0.25"-1.0"
<i>Fraxinus pennsylvanica</i>	Green Ash	12 ft	6-12 ft	0.25"-1.0"
<i>Quercus rubra</i>	Northern Red Oak	12 ft	6-12 ft	0.25"-1.0"

WETLAND PLANTING ZONE				
Species	Common Name	Max. Spacing	Indiv. Spacing	Min. Caliper
<i>Alnus serrulata</i>	Tag Alder	12 ft	6-12 ft	0.25"-1.0"
<i>Platanus occidentalis</i>	Sycamore	42 ft	6-12 ft	0.25"-1.0"
<i>Cornus amomum</i>	Silky Dogwood	12 ft	6-12 ft	0.25"-1.0"
<i>Quercus phellos</i>	Willow Oak	12 ft	6-12 ft	0.25"-1.0"
<i>Betula nigra</i>	River Birch	12 ft	6-12 ft	0.25"-1.0"
<i>Nyssa sylvatica</i>	Blackgum	12 ft	6-12 ft	0.25"-1.0"
<i>Quercus michauxii</i>	Swamp Chestnut Oak	12 ft	6-12 ft	0.25"-1.0"
<i>Fraxinus pennsylvanica</i>	Green Ash	12 ft	6-12 ft	0.25"-1.0"



**Foust Creek Mitigation Site**  
**Alamance County, NC**  
 Foust Creek & UT1  
 Planting Plan

**WILDLANDS**  
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 312 W. Millbrook Road, Ste 225  
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 Firm License No. F-0831

Revisions:			
No.	Description	By	Date

Date: 04-30-2015  
 Job Number: 005-0213  
 Project Engineer: ANA  
 Drawn By: CLM  
 Checked By: DMT

3.3

Sheet

Record Drawing

April 30, 2015  
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**Temporary Seeding**

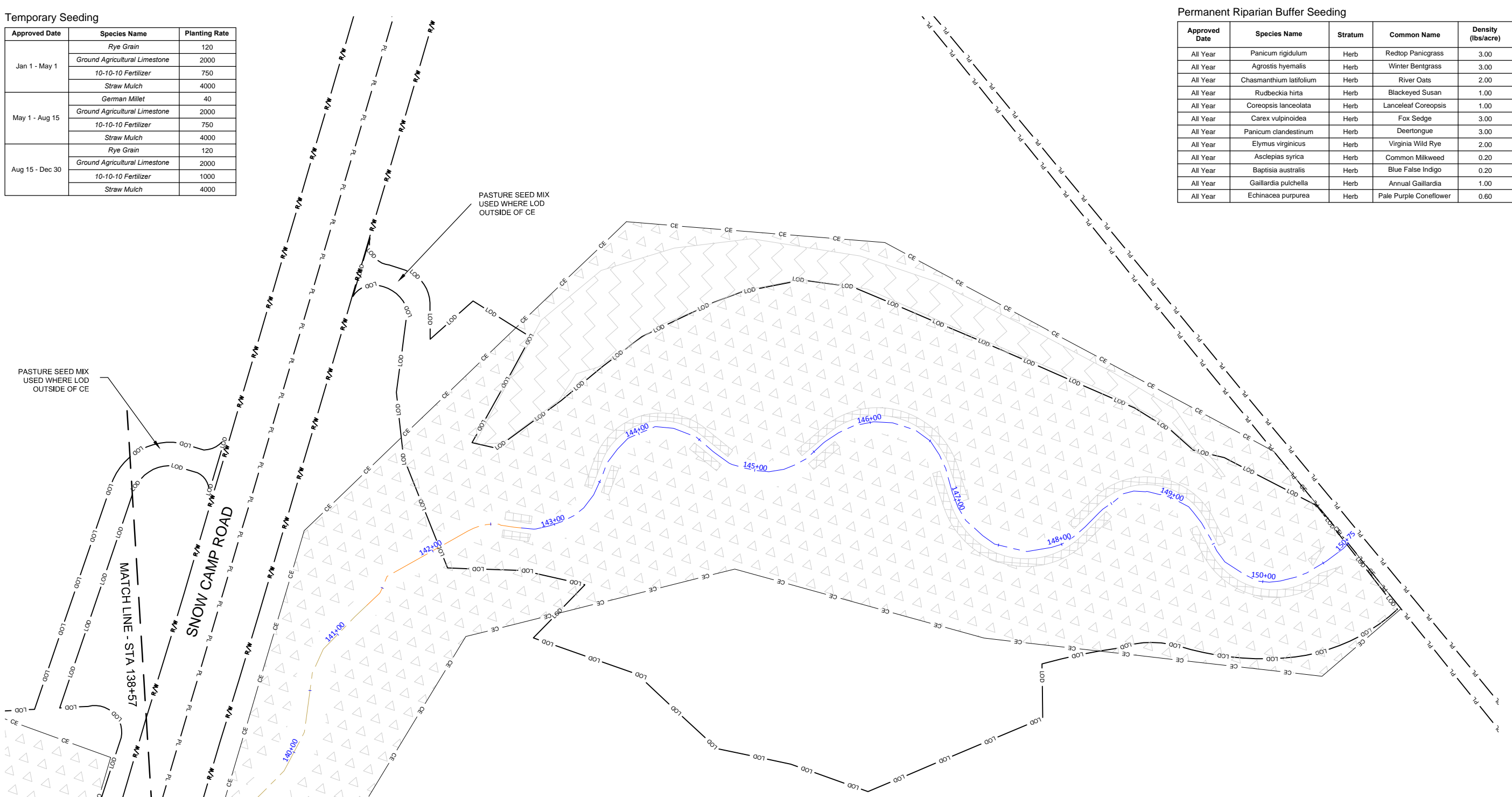
Approved Date	Species Name	Planting Rate
Jan 1 - May 1	Rye Grain	120
	Ground Agricultural Limestone	2000
	10-10-10 Fertilizer	750
	Straw Mulch	4000
May 1 - Aug 15	German Millet	40
	Ground Agricultural Limestone	2000
	10-10-10 Fertilizer	750
	Straw Mulch	4000
Aug 15 - Dec 30	Rye Grain	120
	Ground Agricultural Limestone	2000
	10-10-10 Fertilizer	1000
	Straw Mulch	4000

**Permanent Riparian Buffer Seeding**

Approved Date	Species Name	Stratum	Common Name	Density (lbs/acre)
All Year	Panicum rigidulum	Herb	Redtop Panicgrass	3.00
All Year	Agrostis hyemalis	Herb	Winter Bentgrass	3.00
All Year	Chasmanthium latifolium	Herb	River Oats	2.00
All Year	Rudbeckia hirta	Herb	Blackeyed Susan	1.00
All Year	Coreopsis lanceolata	Herb	Lanceleaf Coreopsis	1.00
All Year	Carex vulpinoidea	Herb	Fox Sedge	3.00
All Year	Panicum clandestinum	Herb	Deertongue	3.00
All Year	Elymus virginica	Herb	Virginia Wild Rye	2.00
All Year	Asclepias syriaca	Herb	Common Milkweed	0.20
All Year	Baptisia australis	Herb	Blue False Indigo	0.20
All Year	Gaillardia pulchella	Herb	Annual Gaillardia	1.00
All Year	Echinacea purpurea	Herb	Pale Purple Coneflower	0.60

PASTURE SEED MIX USED WHERE LOD OUTSIDE OF CE

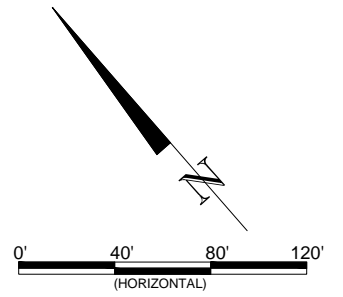
PASTURE SEED MIX USED WHERE LOD OUTSIDE OF CE



RIPARIAN BUFFER PLANTING ZONE				
Species	Common Name	Max. Spacing	Indiv. Spacing	Min. Caliper
<i>Liriodendron tulipifera</i>	Tulip Poplar	12 ft	6-12 ft	0.25"-1.0"
<i>Quercus phellos</i>	Willow Oak	12 ft	6-12 ft	0.25"-1.0"
<i>Platanus occidentalis</i>	Sycamore	12 ft	6-12 ft	0.25"-1.0"
<i>Betula nigra</i>	River Birch	12 ft	6-12 ft	0.25"-1.0"
<i>Quercus michauxii</i>	Swamp Chestnut Oak	12 ft	6-12 ft	0.25"-1.0"
<i>Fraxinus pennsylvanica</i>	Green Ash	12 ft	6-12 ft	0.25"-1.0"
<i>Quercus rubra</i>	Northern Red Oak	12 ft	6-12 ft	0.25"-1.0"

STREAM BANK PLANTING ZONE - Livestakes & Herbaceous Plugs					
Species	Common Name	Max. Spacing	Indiv. Spacing	Min. Caliper	
<i>Cornus amomum (livestake)</i>	Silky Dogwood	6 ft	3-6 ft	0.25"-1.0"	
<i>Cephalanthus occidentalis L.</i>	Common Buttonbush	6 ft	3-6 ft	0.25"-1.0"	
<i>Salix sericea (livestake)</i>	Silky Willow	6 ft	3-6 ft	0.25"-1.0"	
<i>Juncus effusus (plug)</i>	Common Rush	6 ft	3-6 ft	0.25"-1.0"	

WETLAND PLANTING ZONE				
Species	Common Name	Max. Spacing	Indiv. Spacing	Min. Caliper
<i>Alnus serrulata</i>	Tag Alder	12 ft	6-12 ft	0.25"-1.0"
<i>Platanus occidentalis</i>	Sycamore	12 ft	6-12 ft	0.25"-1.0"
<i>Cornus amomum</i>	Silky Dogwood	12 ft	6-12 ft	0.25"-1.0"
<i>Quercus phellos</i>	Willow Oak	12 ft	6-12 ft	0.25"-1.0"
<i>Betula nigra</i>	River Birch	12 ft	6-12 ft	0.25"-1.0"
<i>Nyssa sylvatica</i>	Blackgum	12 ft	6-12 ft	0.25"-1.0"
<i>Quercus michauxii</i>	Swamp Chestnut Oak	12 ft	6-12 ft	0.25"-1.0"
<i>Fraxinus pennsylvanica</i>	Green Ash	12 ft	6-12 ft	0.25"-1.0"



**Foust Creek Mitigation Site  
 Alamance County, NC**

**Foust Creek  
 Planting Plan**



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**Record Drawing**

Revisions:	

Date: 04-30-2015  
 Job Number: 005-0213  
 Project Engineer: ANA  
 Drawn By: CLM  
 Checked By: DMT

**3.4**

Sheet