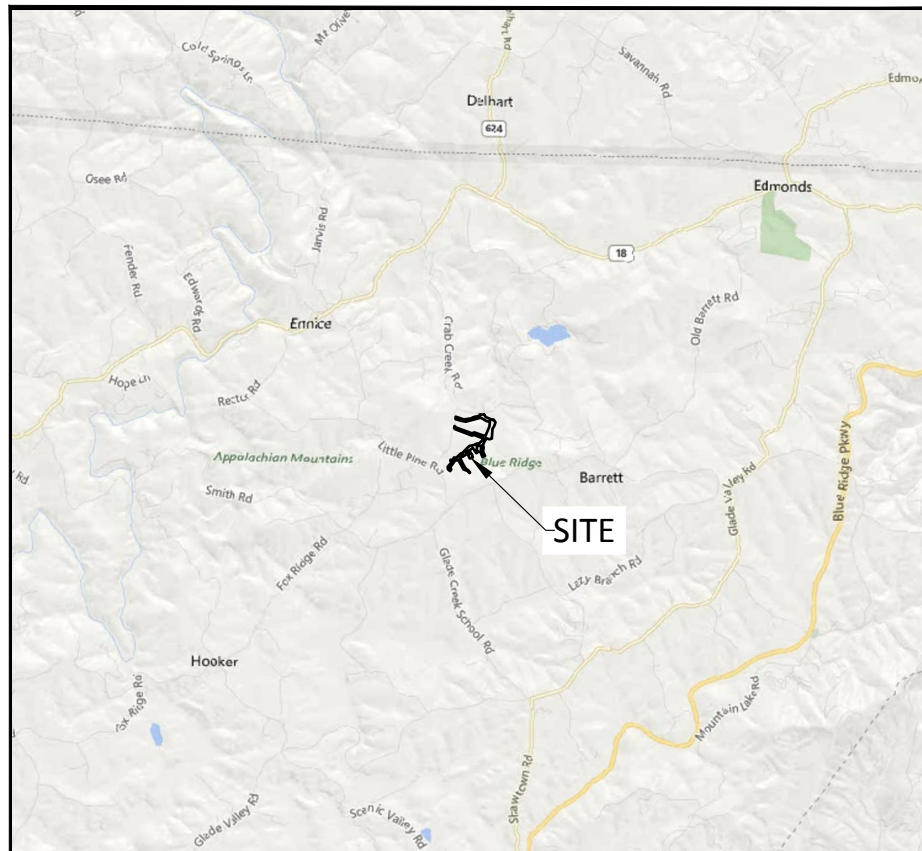


# Double H Farms Mitigation Site Record Drawings Alleghany County, NC for NCDEQ Division of Mitigation Services



Vicinity Map  
Not to Scale



**RECORD DRAWINGS  
ISSUED MARCH 21, 2022**

STREAM ORIGINS		
NAME	NORTHING	EASTING
UT to CRAB CREEK	1016841	1414723
UT7	1016485	1414583
UT6	1016300	1415498
HILLSIDE TRIB	1017223	1415757
UT5	1017051	1416086
UT4	1018247	1414839
UT3	1017738	1416367
UT3A	1017857	1416375
UT1A	1018609	1414912
UT1	1018780	1415957

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UT6	1.3.1-1.3.2
Hillside Trib	1.4.1
UT5	1.5.1-1.5.2
UT4	1.6.1-1.6.4
UT3 & UT3A	1.7.1
UT1A	1.8.1-1.8.3
UT1	1.9.1-1.9.2
Planting	2.0-2.8
Fencing	3.0-3.5

## Project Directory

**Engineering:**  
Wildlands Engineering, Inc  
License No. F-0831  
1430 South Mint Street, Suite 104  
Charlotte, NC 28203  
Jeff Keaton, PE  
704-332-7754

**Surveying:**  
Kee Mapping and Surveying, PA  
88 Central Avenue  
Asheville, NC 28801  
Phillip B. Kee, PLS  
828-575-9021

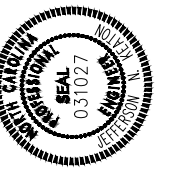
**Owner:**  
NC DEQ - Division of  
Mitigation Services  
1652 Mail Service Center  
Raleigh, NC 27699  
Harry Tsomides  
828-545-7057

DMS Project No. 100082  
USACE Action ID No. 2018-01771

New River Basin 05050001

NC DWR# 20181270

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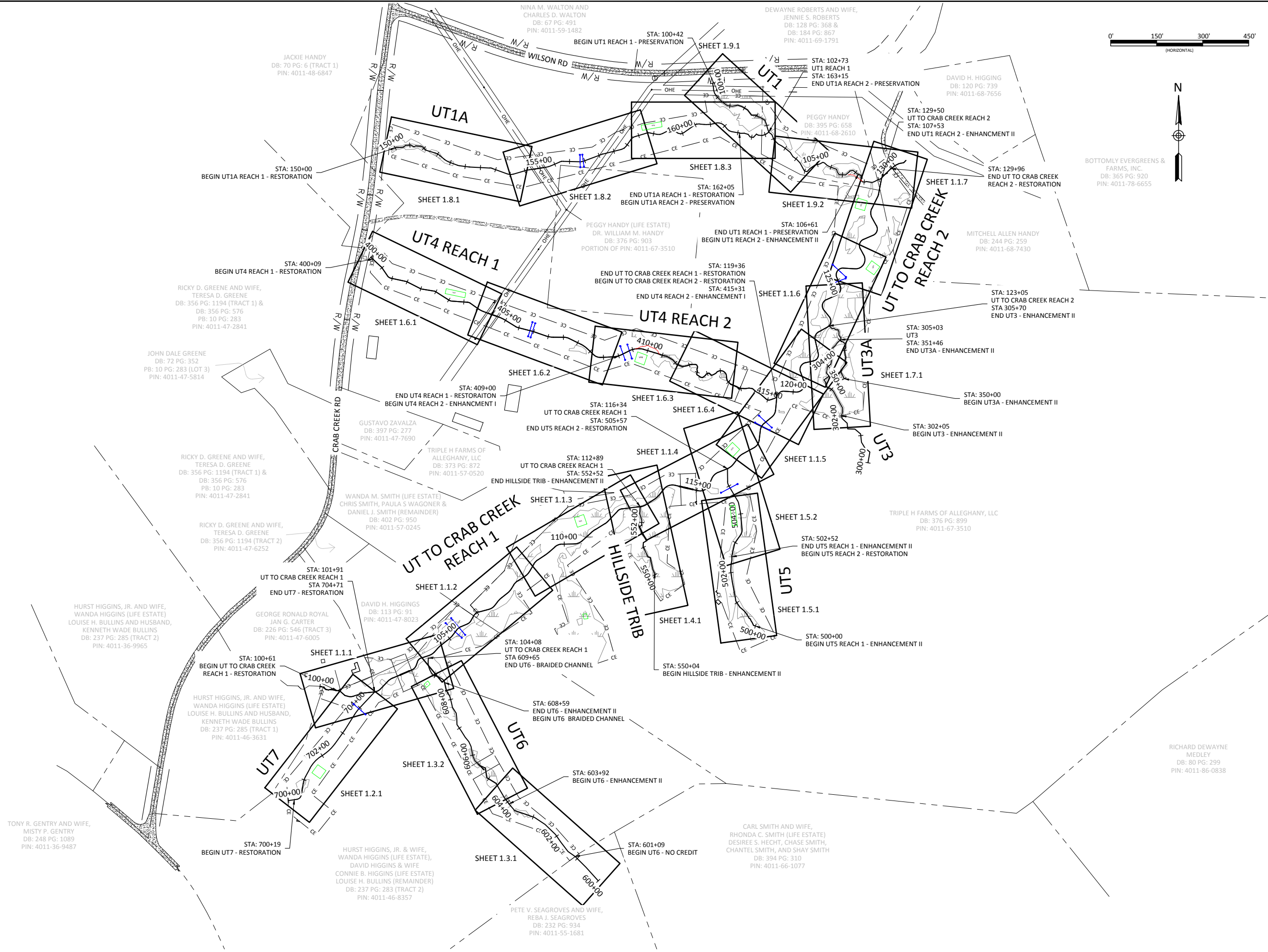
Double H Farms Mitigation Site Record Drawing  
Alleghany County, North Carolina

Title Sheet

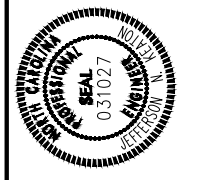
Date:	March 21, 2022
Job Number:	005-02174
Project Engineer:	JNK
Drawn By:	AMR
Checked By:	JCK

0.1

Sheet



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**Double H Farms Mitigation Site Record Drawings**  
**Alleghany County, North Carolina**

Project Overview

Revisions:


Date: March 21, 2022  
Job Number: 005-02174  
Project Engineer: JNK  
Drawn By: AMR  
Checked By: JCK

0.2

### Pre-Construction Features

- Pre-Construction Property Line
- Pre-Construction NCDOT Right-of-Way
- Pre-Construction Top of Bank
- Pre-Construction Overhead Utility Line
- Pre-Construction Overhead Utility Easement
- Pre-Construction Fence
- Pre-Construction Storm Pipe
- Pre-Construction Wetland
- Pre-Construction Road
- Pre-Construction Rip Rap
- Pre-Construction Tree
- Pre-Construction Utility Pole

### Design Features

- Design Alignment
- Design Major Contour (5' Interval)
- Design Minor Contour
- Design Permanent Culvert
- Design Woven Wire Fence
- Design Barbed Wire Fence
- Design 8' Double Gate
- Design 12' Single Gate

### Design Structures

- Proposed Various Constructed Riffles
- Proposed Cascading Riffle/Rock Cascade
- Proposed Brush Toe
- Proposed Vegetated Soil Lift
- Proposed BMP
- Proposed Log Sill
- Proposed Cover Log
- Proposed Log J-hook
- Proposed Rock Sill
- Proposed Boulder J-hook with Sill

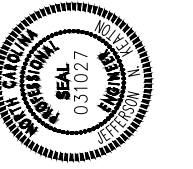
### Asbuilt Features

- Asbuilt Alignment
- Asbuilt Bankfull
- Recorded CE
- Recorded Internal Crossing
- Asbuilt LOD
- Asbuilt Major Contour (5' Interval)
- Asbuilt Minor Contour
- Asbuilt Permanent Culvert
- Asbuilt Fence
- Asbuilt 8' Double Gate
- Asbuilt 12' Single Gate

### Asbuilt Structures

- Asbuilt Various Constructed Riffles
- Asbuilt Cascading Riffle/Rock Cascade/RipRap
- Asbuilt Brush Toe
- Asbuilt Vegetated Soil Lift
- Asbuilt BMP
- Asbuilt Gravel Farm Road
- Asbuilt Soil Farm Road
- Asbuilt Boulder Toe
- Asbuilt Log Sill
- Asbuilt Lunker Log
- Asbuilt Log J-hook
- Asbuilt Rock Sill
- Asbuilt Rock J-hook with Sill
- Asbuilt Log J-Hook with Sill
- Photo Point
- Permanent Vegetation Plot
- Bog Plot
- Barotroll
- Stream Gage
- Ground Water Gage
- Crest Gage
- Monitoring Cross Section

**Project Notes:**  
1. DEVIATIONS FROM THE DESIGN WILL BE SHOWN IN RED.

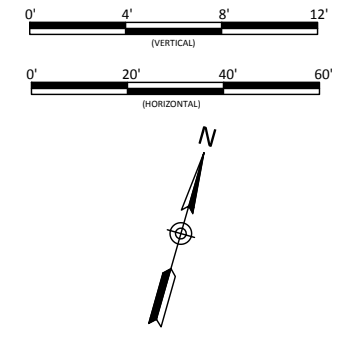
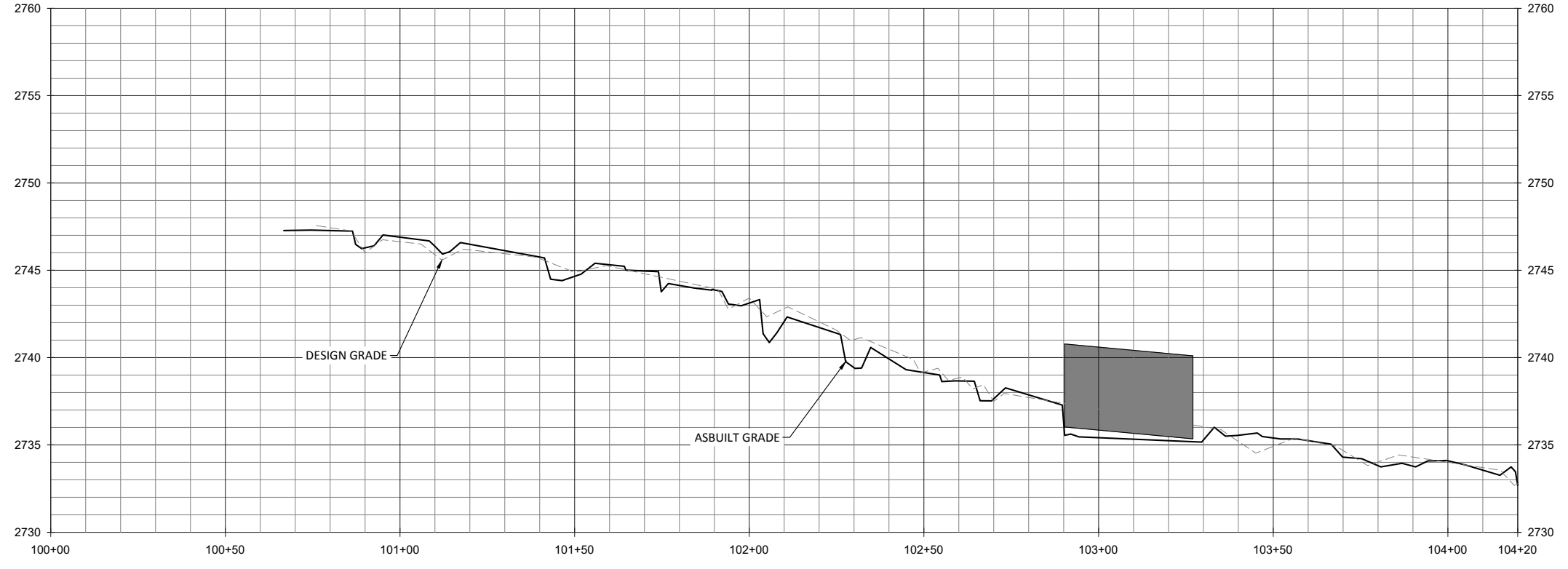


**Double H Farms Mitigation Site Record Drawings**  
**Alleghany County, North Carolina**

General Notes and Symbols

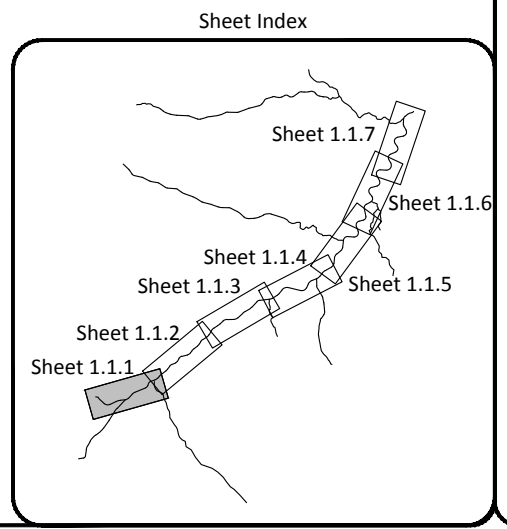
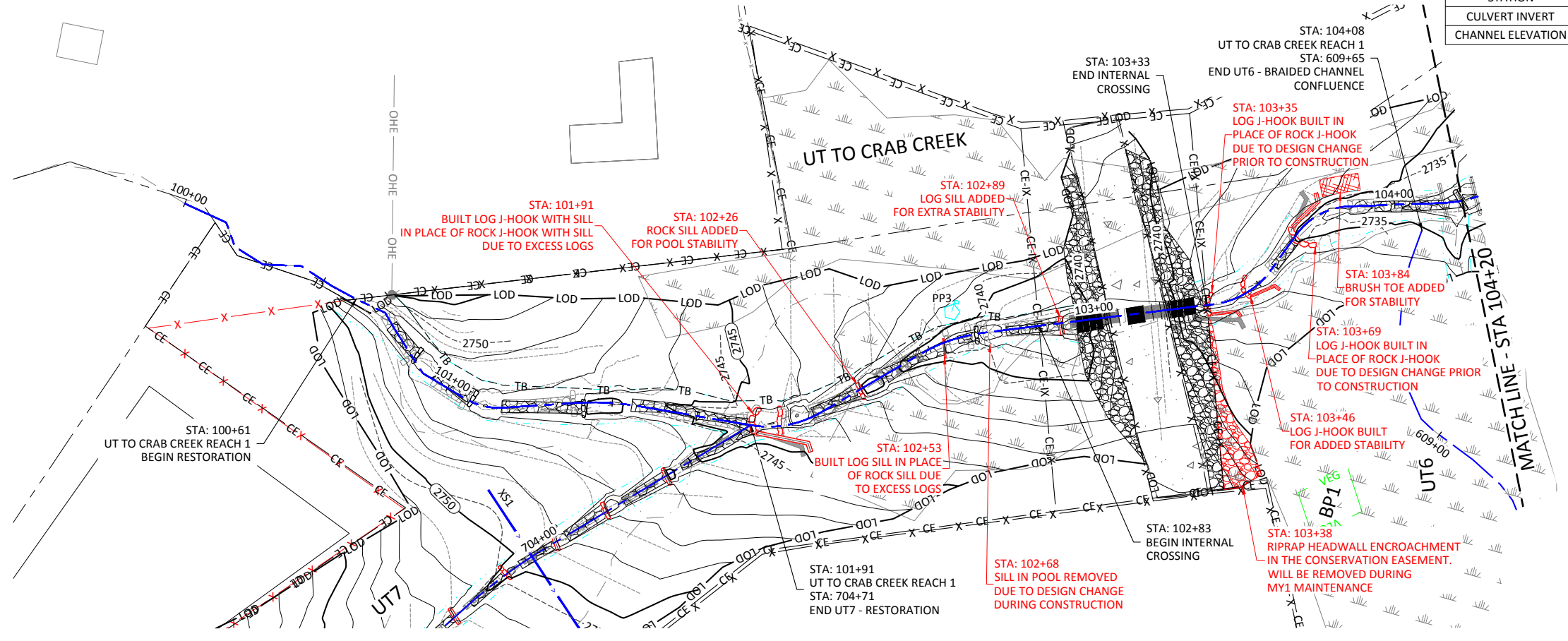
Revisions:


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Project Engineer:	JNK
Drawn By:	AMR
Checked By:	JCK

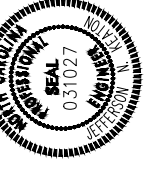


**UTCC R1 US (83"x57" ARCHED CMP)**

	IN (DESIGN)	IN (AS-BUILT)	OUT (DESIGN)	OUT (AS-BUILT)
STATION	102+93	102+90	103+27	103+27
CULVERT INVERT	2736.03	2735.46	2735.35	2735.16
CHANNEL ELEVATION	2737.03	2735.55	2736.35	2735.18



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 Firm License No. F-0831



**Double H Farms Mitigation Site Record Drawings**  
 Alleghany County, North Carolina

UT To Crab Creek Reach 1  
 Stream Plan and Profile

Revisions:

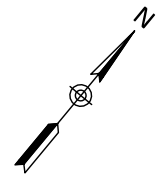
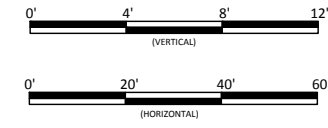
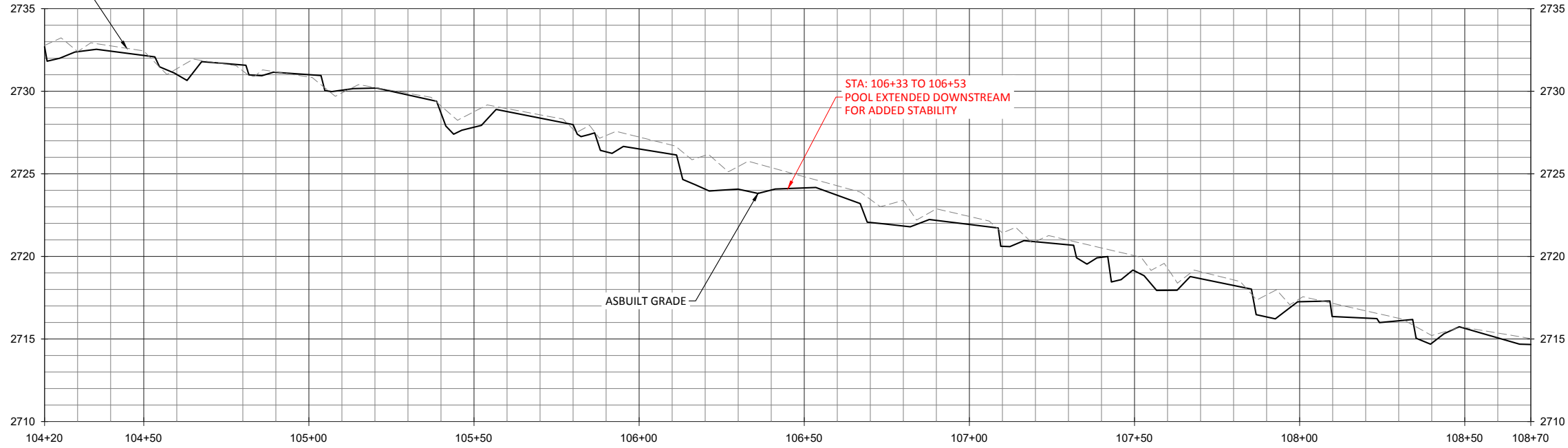

Date: March 21, 2022  
 Job Number: 005-02174  
 Project Engineer: JNK  
 Drawn By: AMR  
 Checked By: JCK

1.1.1

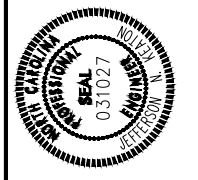
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March 21, 2022

DESIGN GRADE

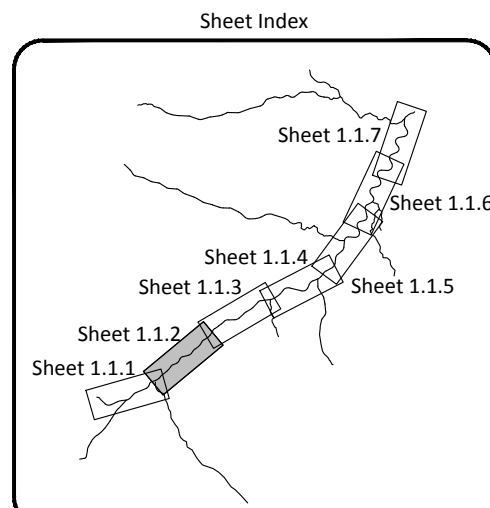
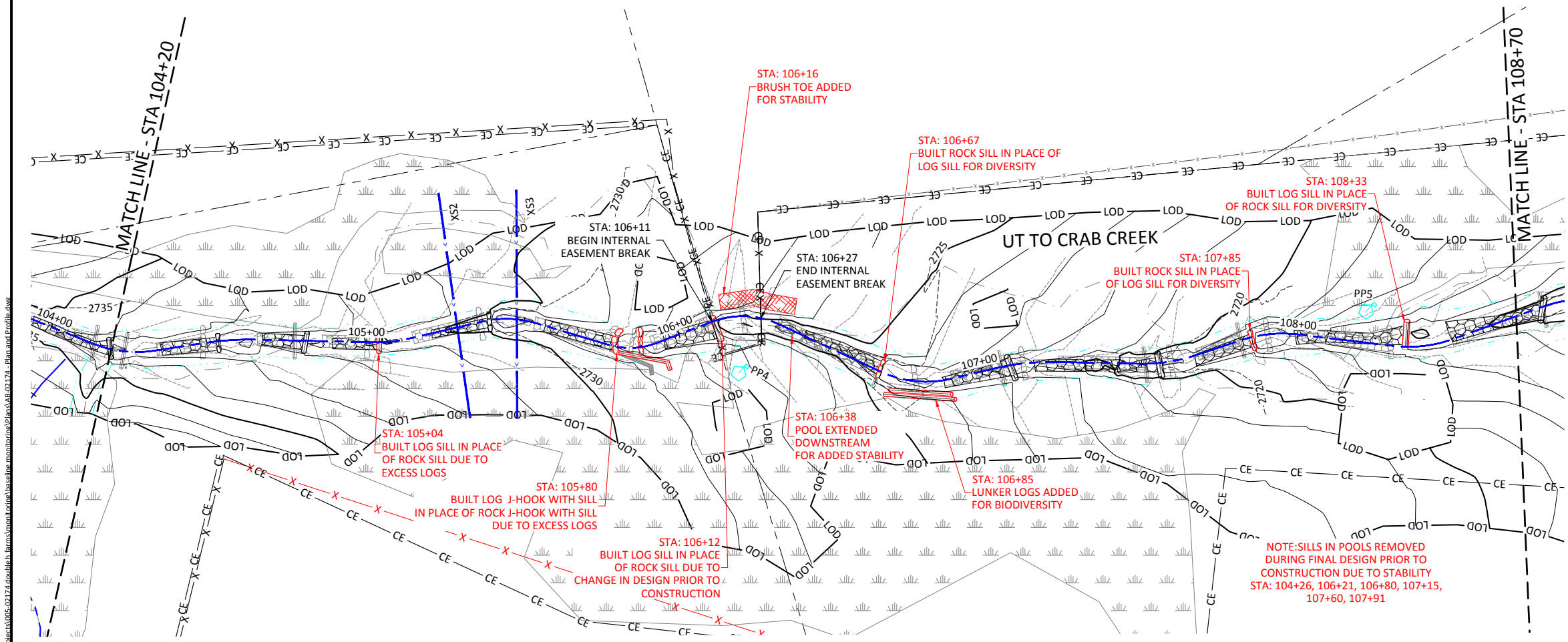


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Double H Farms Mitigation Site Record Drawings  
 Alleghany County, North Carolina

UT To Crab Creek Reach 1  
 Stream Plan and Profile

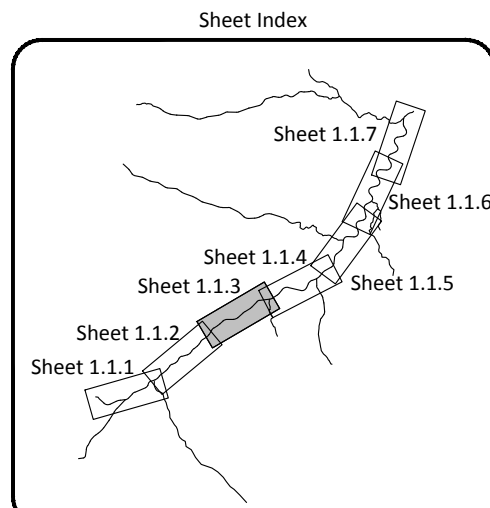
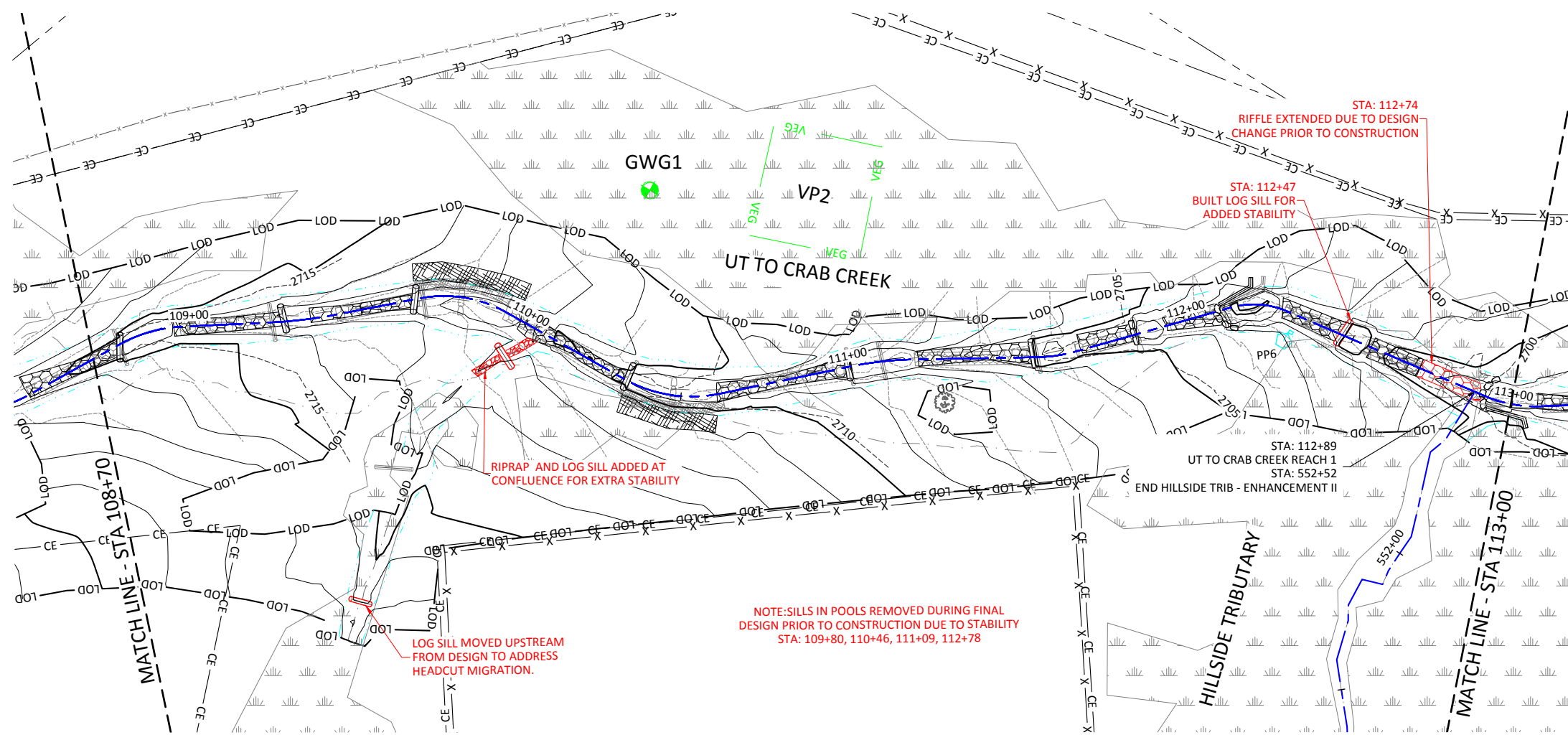
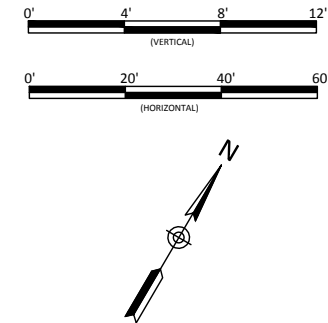
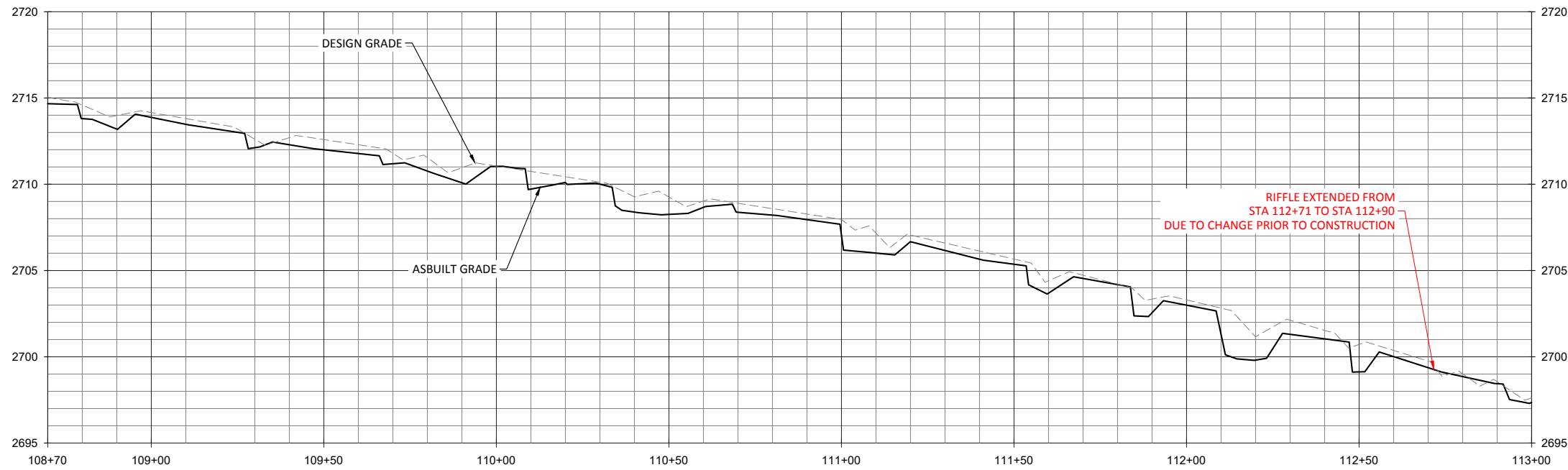


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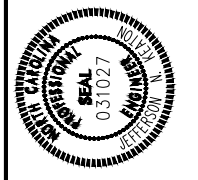

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 Job Number: 005-02174  
 Project Engineer: JNK  
 Drawn By: AMR  
 Checked By: JCK

**1.1.2**  
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March 21, 2022



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Double H Farms Mitigation Site Record Drawings  
 Alleghany County, North Carolina

UT To Crab Creek Reach 1  
 Stream Plan and Profile

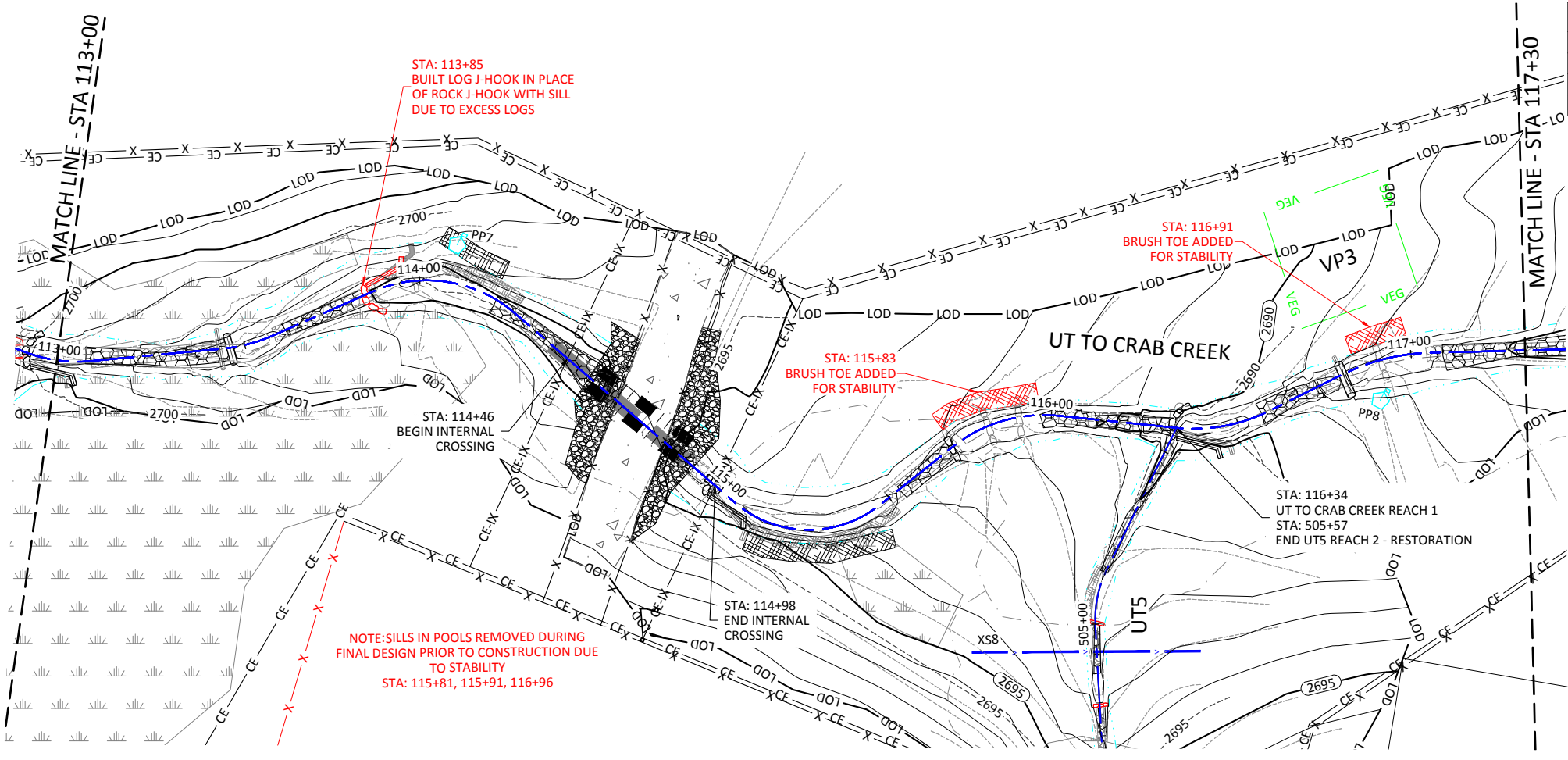
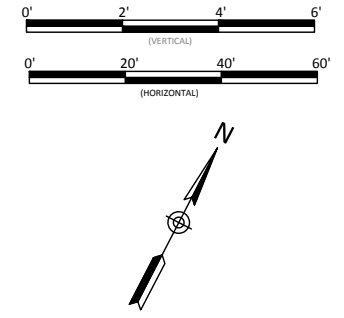
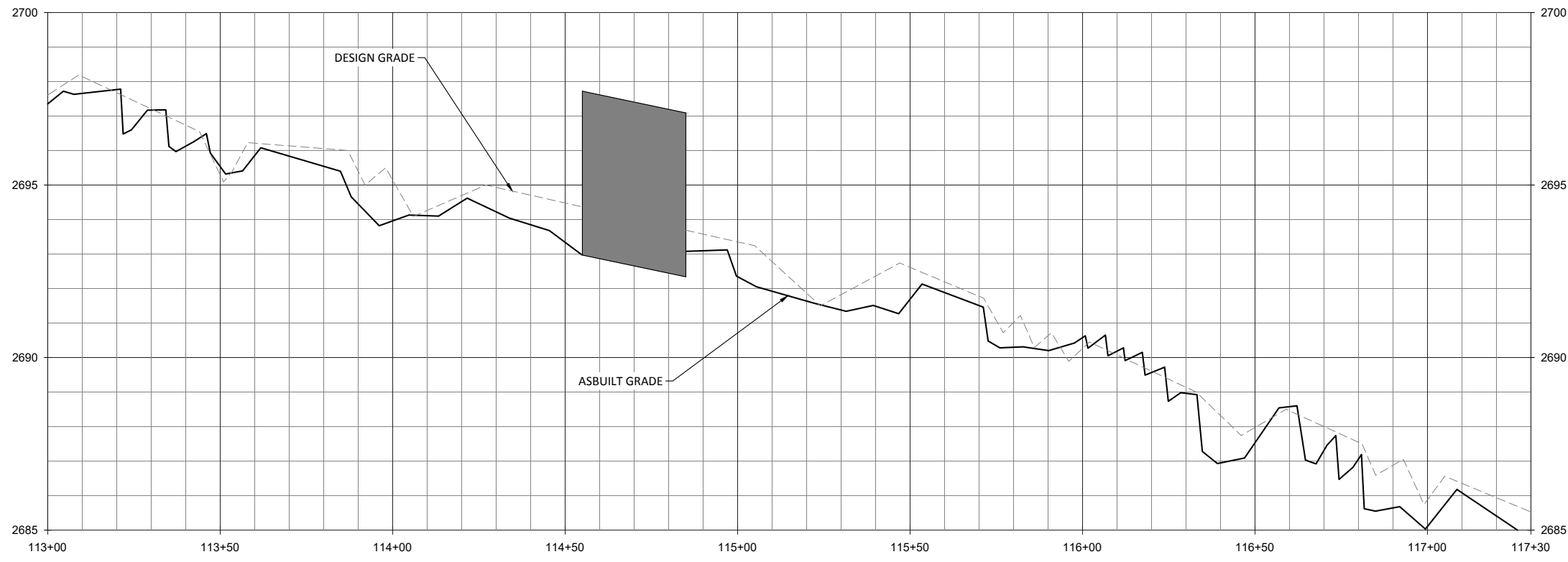
Revisions:


Date: March 21, 2022  
 Job Number: 005-02174  
 Project Engineer: JNK  
 Drawn By: AMR  
 Checked By: JCK

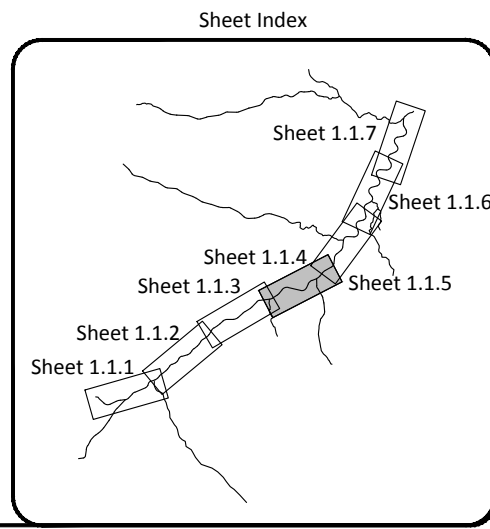
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March 21, 2022  
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UTCC R1 DS (57"x38" ARCHED CMP)				
STATION	IN (DESIGN)	IN (AS-BUILT)	OUT (DESIGN)	OUT (AS-BUILT)
114+58		114+55	114+88	114+85
CULVERT INVERT	2692.61	2692.97	2692.00	2692.34
CHANNEL ELEVATION	2693.61	2692.97	2693.00	2693.08



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Double H Farms Mitigation Site Record Drawings

Alleghany County, North Carolina

UT To Crab Creek Reach 1

Stream Plan and Profile

Revisions:	By:	Date:

Date: March 21, 2022

Job Number: 005-02174

Project Engineer: JNK

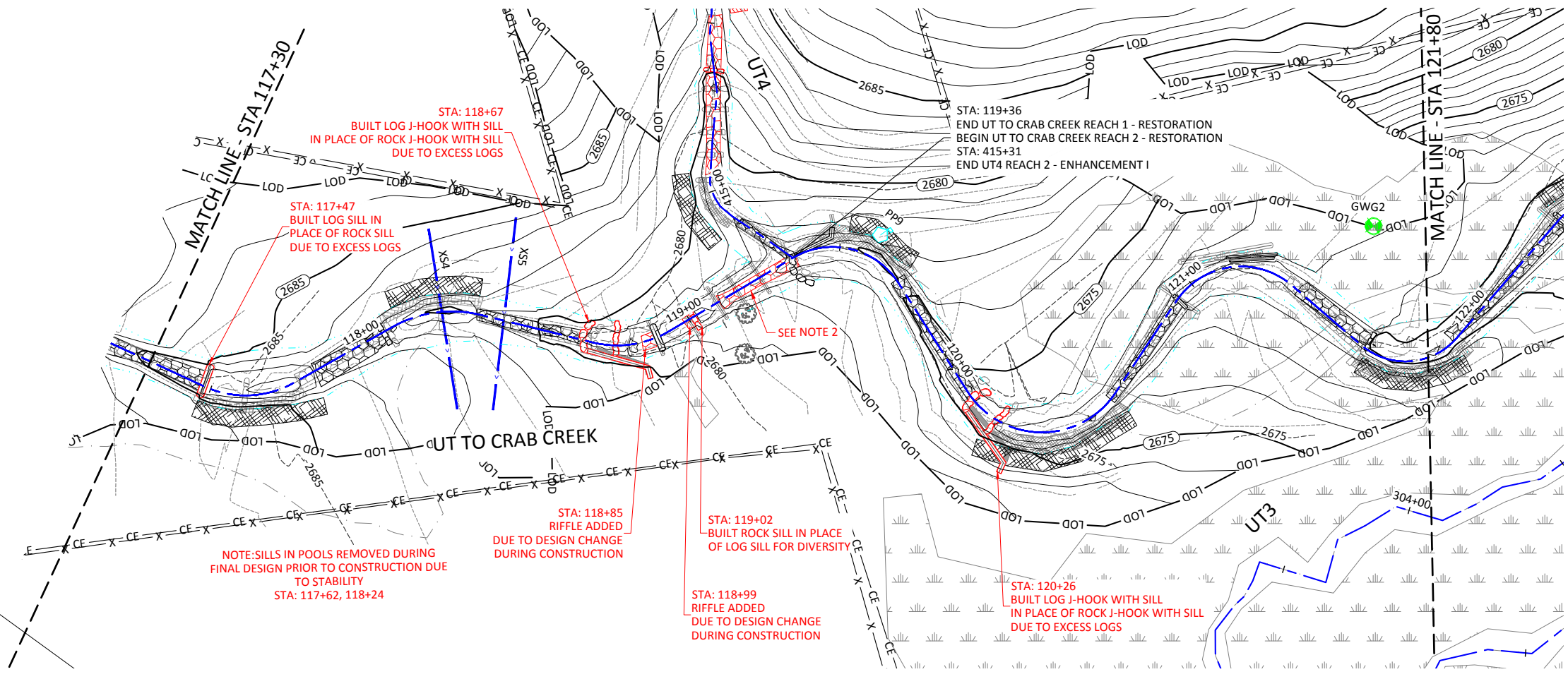
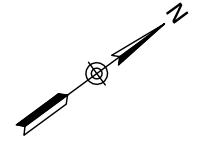
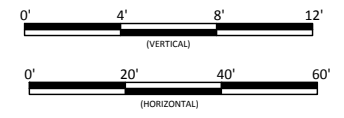
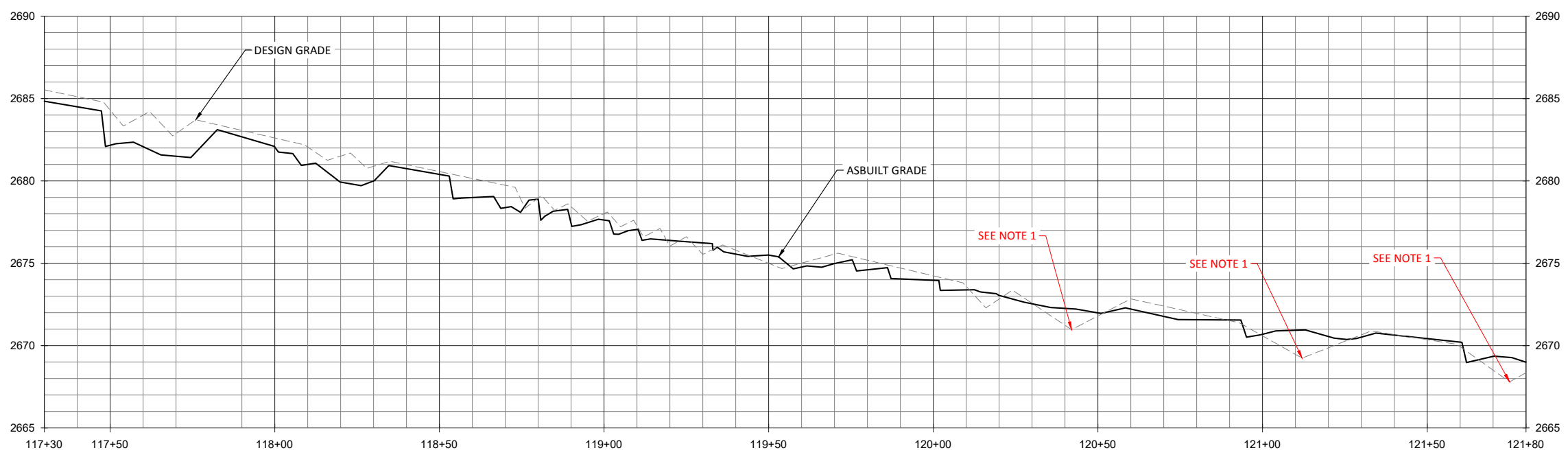
Drawn By: AMR

Checked By: JCK

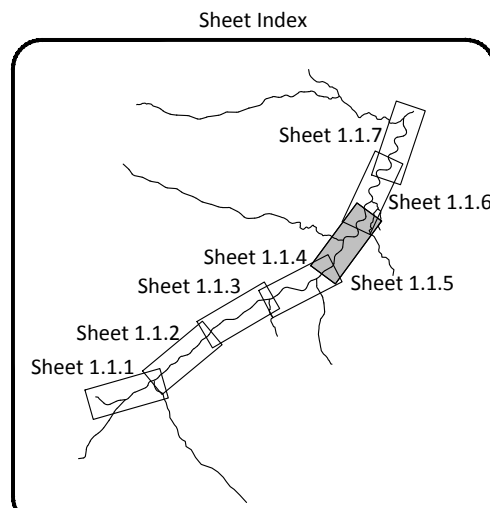
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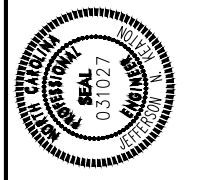
March 21, 2022  
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- NOTES:**
1. POOLS FILLED WITH SEDIMENT AT STA: 120+42, STA: 121+12, AND STA: 121+75. AS VEGETATION STABILIZES FLOODPLAIN, POOLS SHOULD CLEAR.
  2. LOG SILLS AT STA: 119+10, 119+16, 119+25 REPLACED BY RIFFLE FROM 119+10 TO 119+36 DURING FINAL DESIGN PRIOR TO CONSTRUCTION.



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**Double H Farms Mitigation Site Record Drawings**  
**Alleghany County, North Carolina**

**UT To Crab Creek Reach 1 & Reach 2**  
**Stream Plan and Profile**

Revisions:

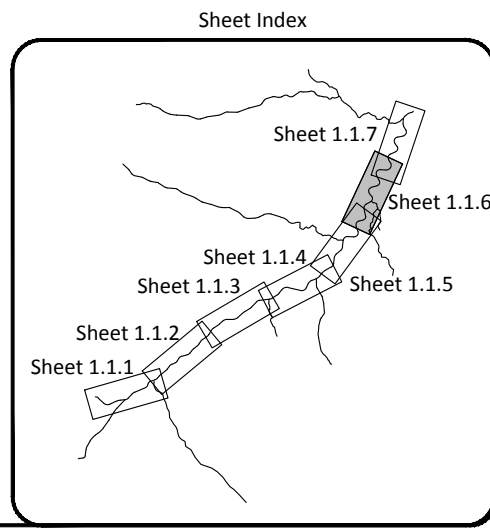
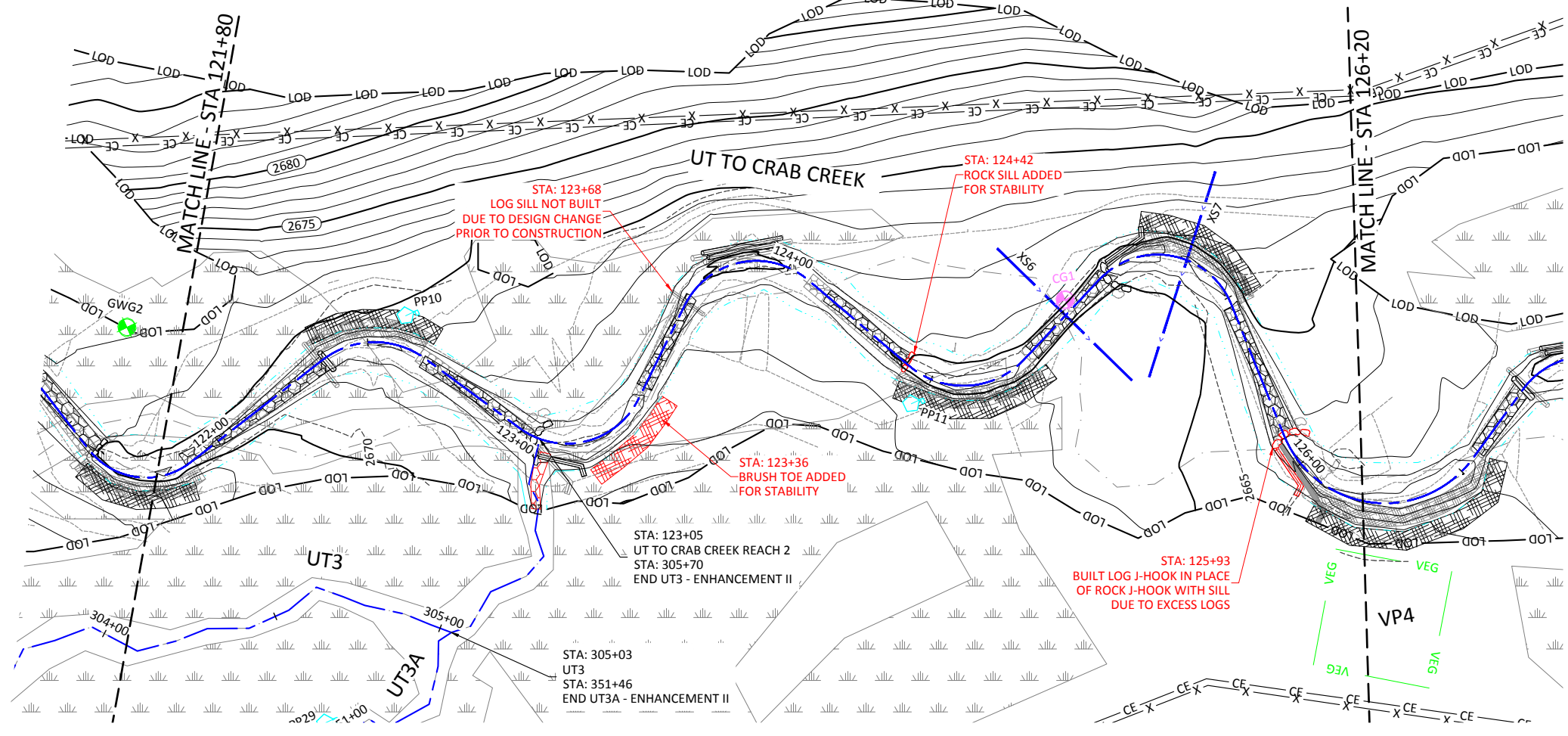
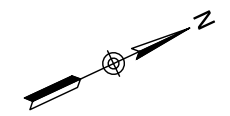
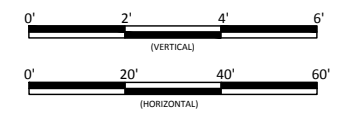
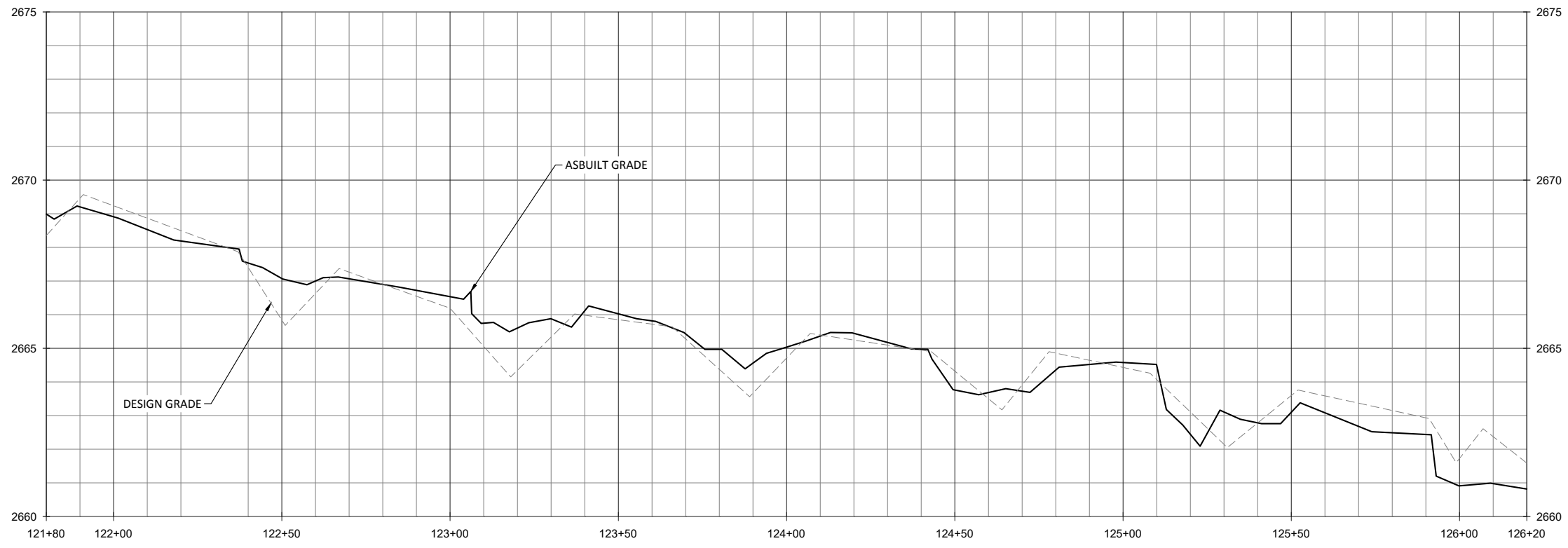

Date: March 21, 2022  
 Job Number: 005-02174  
 Project Engineer: JNK  
 Drawn By: AMR  
 Checked By: JCK

**1.1.5**  
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March 21, 2022  
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NOTE: POOLS FILLED WITH SEDIMENT.  
AS VEGETATION STABILIZES FLOODPLAIN, POOLS SHOULD CLEAR.



Date:	March 21, 2022
Job Number:	005-02174
Project Engineer:	JNK
Drawn By:	AMR
Checked By:	JCK

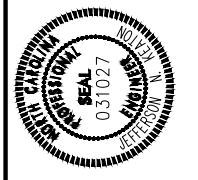
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Double H Farms Mitigation Site Record Drawings  
Alleghany County, North Carolina

UT To Crab Creek Reach 2  
Stream Plan and Profile

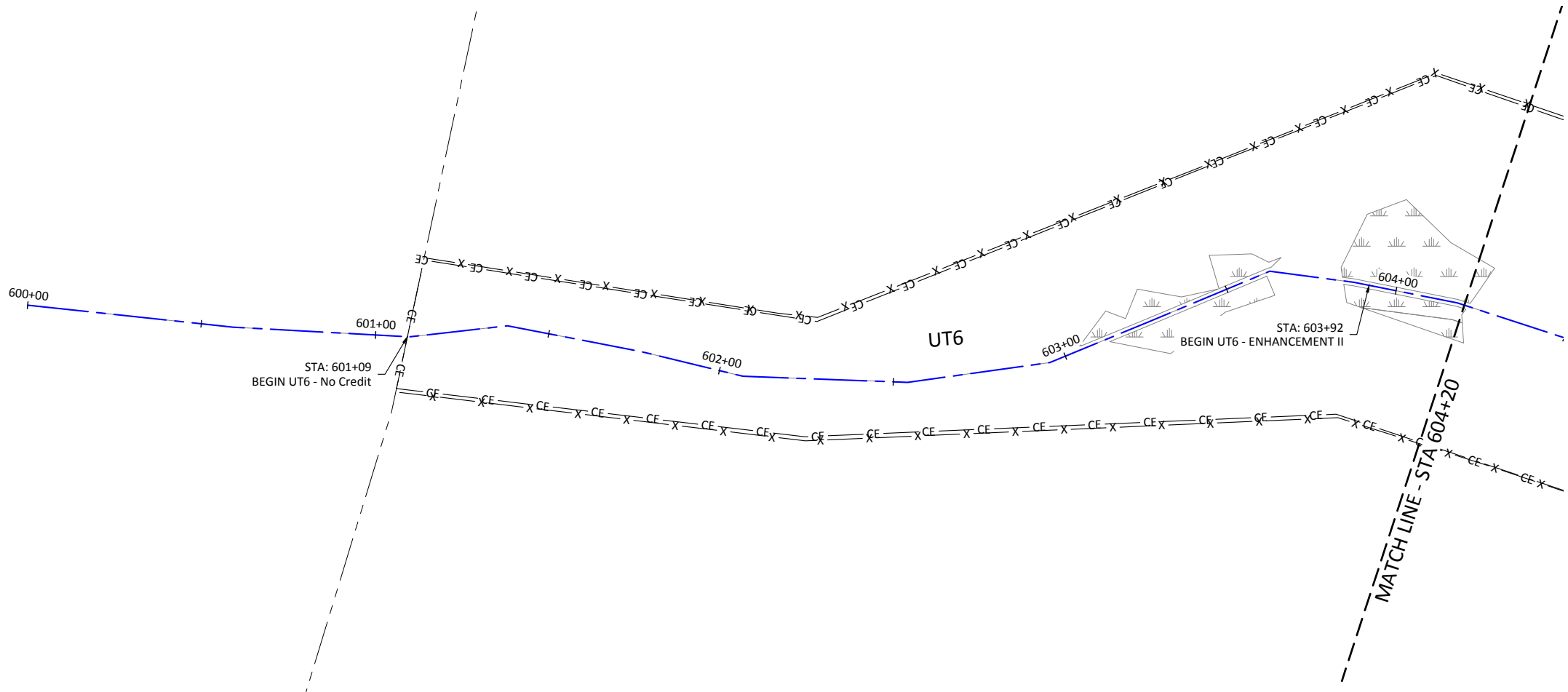
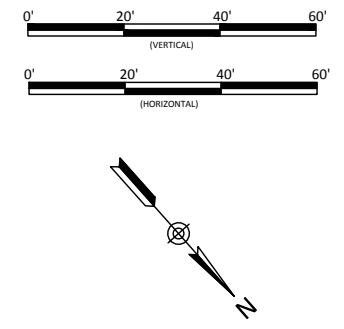
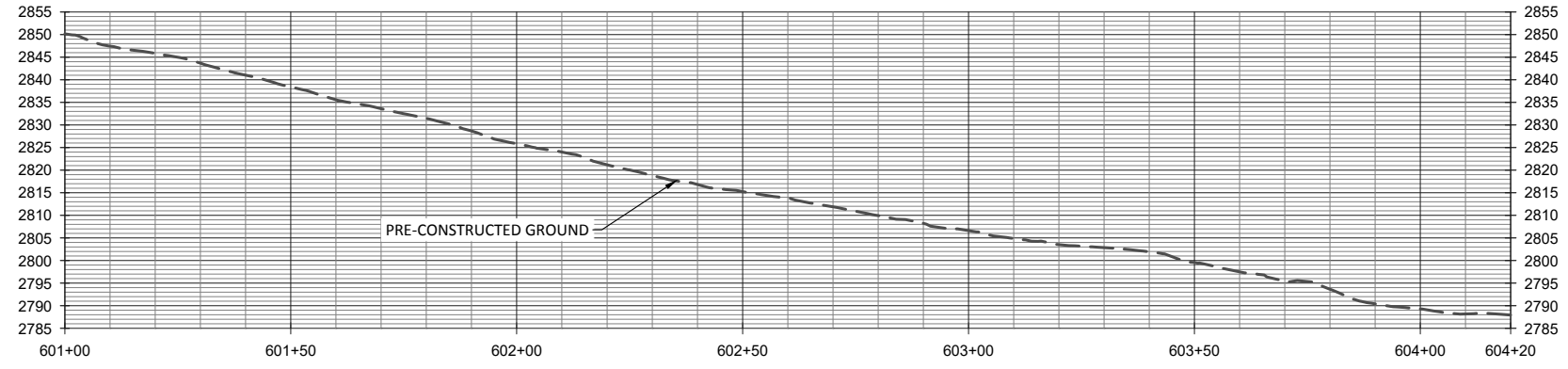
WILDLANDS  
ENGINEERS  
1480 S. Mills Street, Suite 104  
Charlotte, NC 28203  
Tel: 704.332.7754  
Fax: 704.332.3306  
Firm License No. F-0831



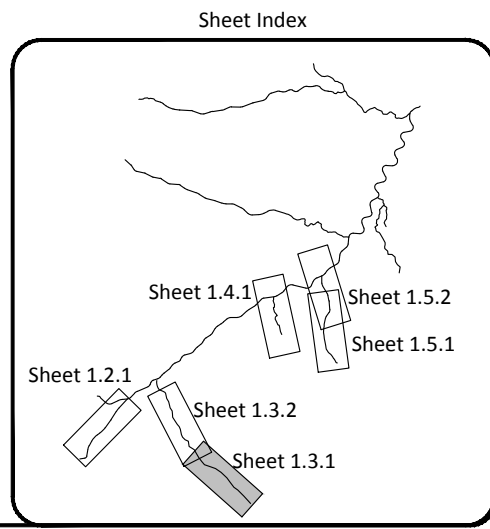




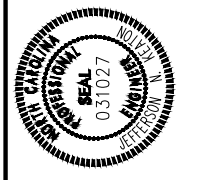
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 March 21, 2022



- ENHANCEMENT II REACH TREATMENT:**
1. EXCLUDE CATTLE
  2. TREAT INVASIVE VEGETATION
  3. SUPPLEMENTAL PLANTING- SEE PLANTING PLAN



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Double H Farms Mitigation Site Record Drawings  
 Alleghany County, North Carolina

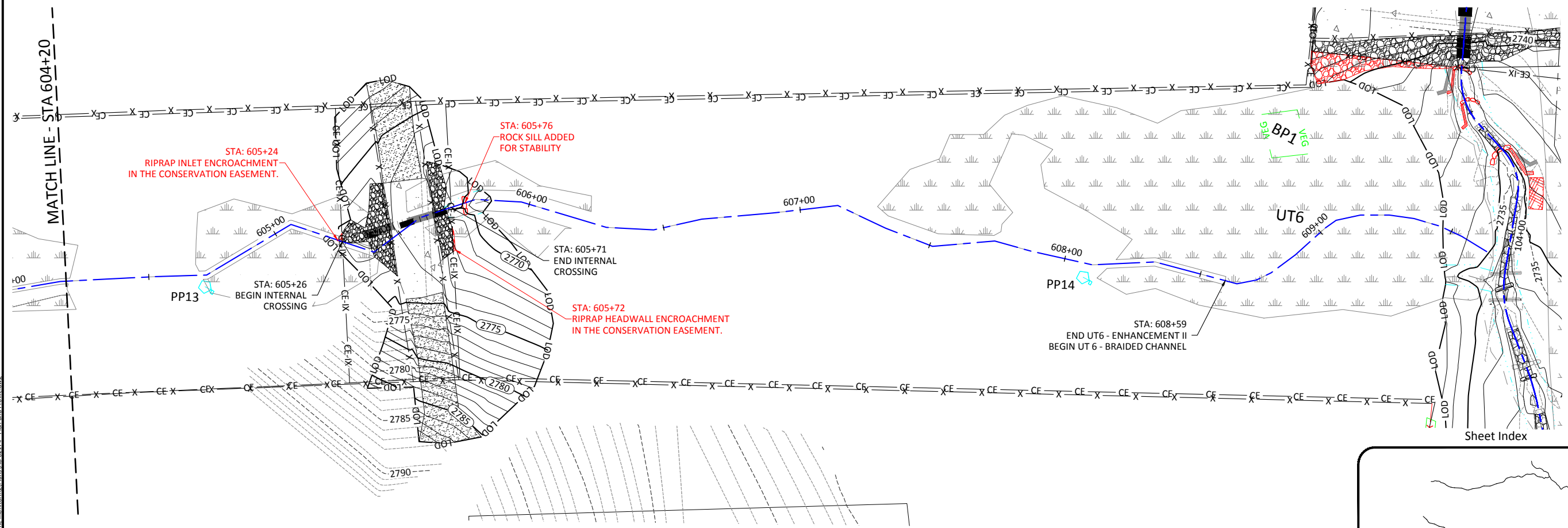
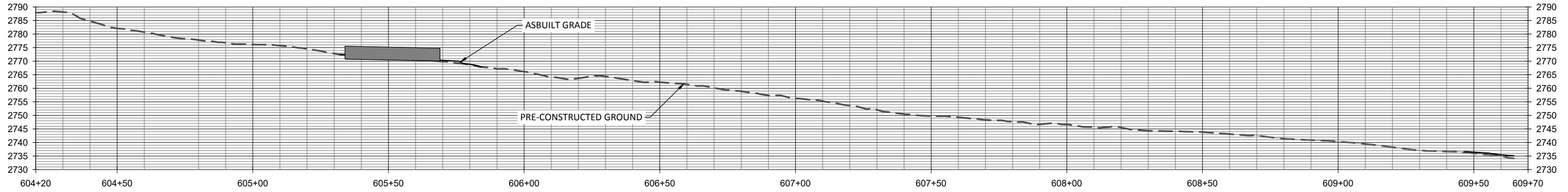
UT6 Reach 1  
 Stream Plan and Profile

Revisions:


Date: March 21, 2022  
 Job Number: 005-02174  
 Project Engineer: JMK  
 Drawn By: AMR  
 Checked By: JCK

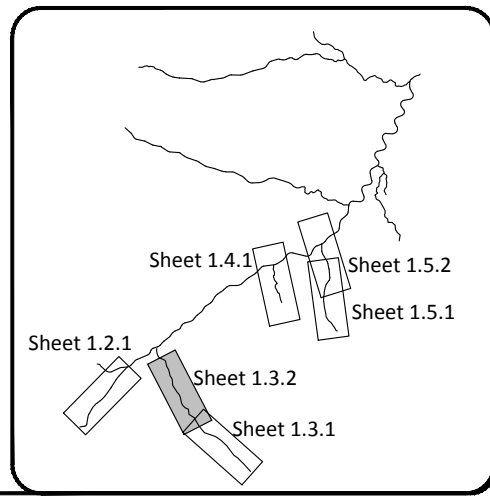
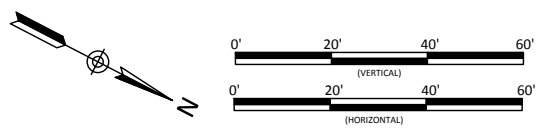
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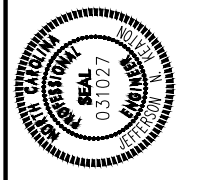


UT6 (24" CMP)				
STATION	IN (DESIGN)	IN (AS-BUILT)	OUT (DESIGN)	OUT (AS-BUILT)
CULVERT INVERT	2770.28	2770.76	2770.08	2770.08
CHANNEL ELEVATION	2770.78	2772.30	2770.58	2769.88

- ENHANCEMENT II REACH TREATMENT:
1. EXCLUDE CATTLE
  2. TREAT INVASIVE VEGETATION
  3. SUPPLEMENTAL PLANTING- SEE PLANTING PLAN



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Double H Farms Mitigation Site Record Drawings  
 Alleghany County, North Carolina

UT6 Reach 1  
 Stream Plan and Profile

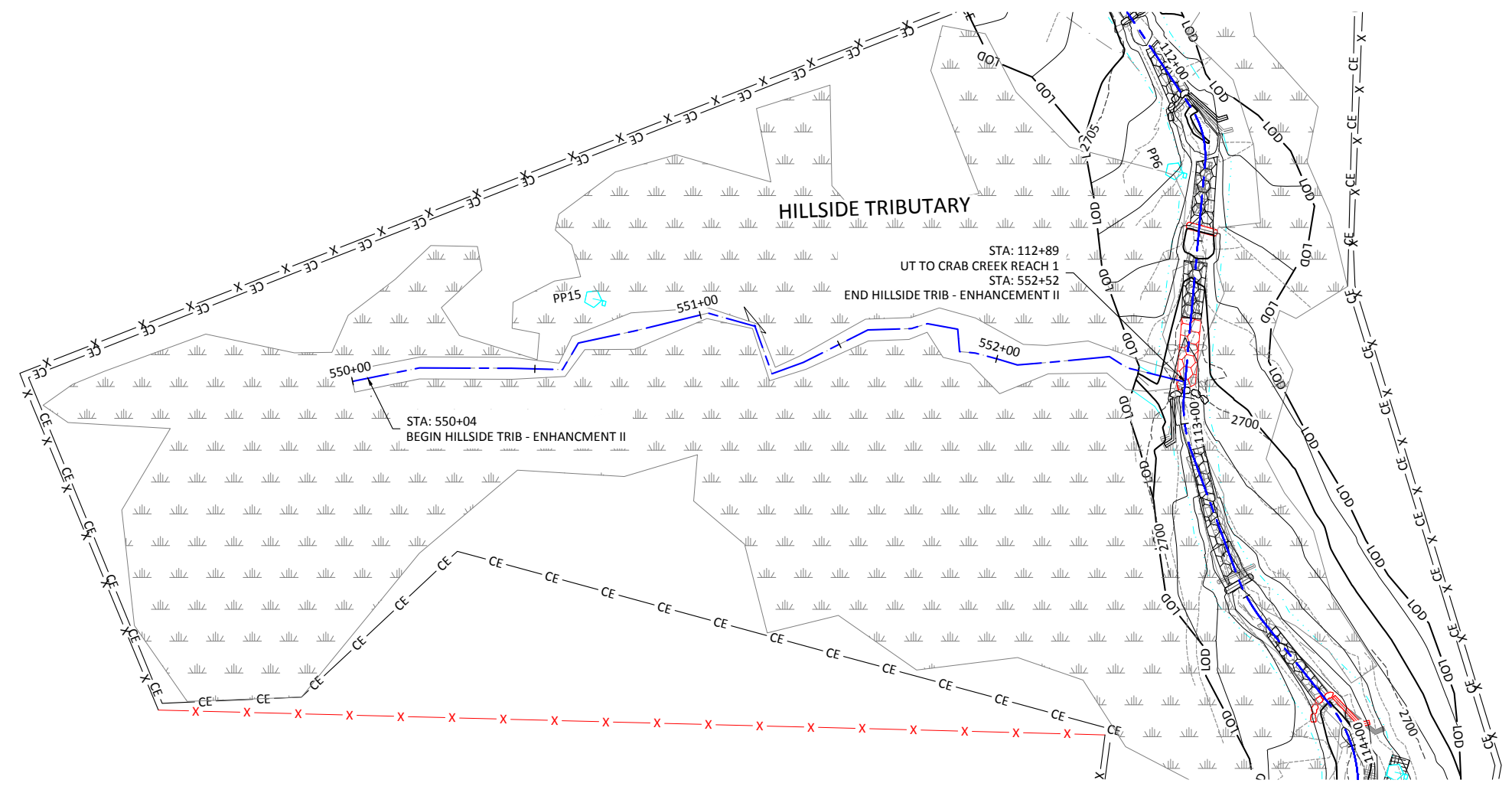
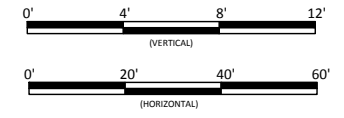
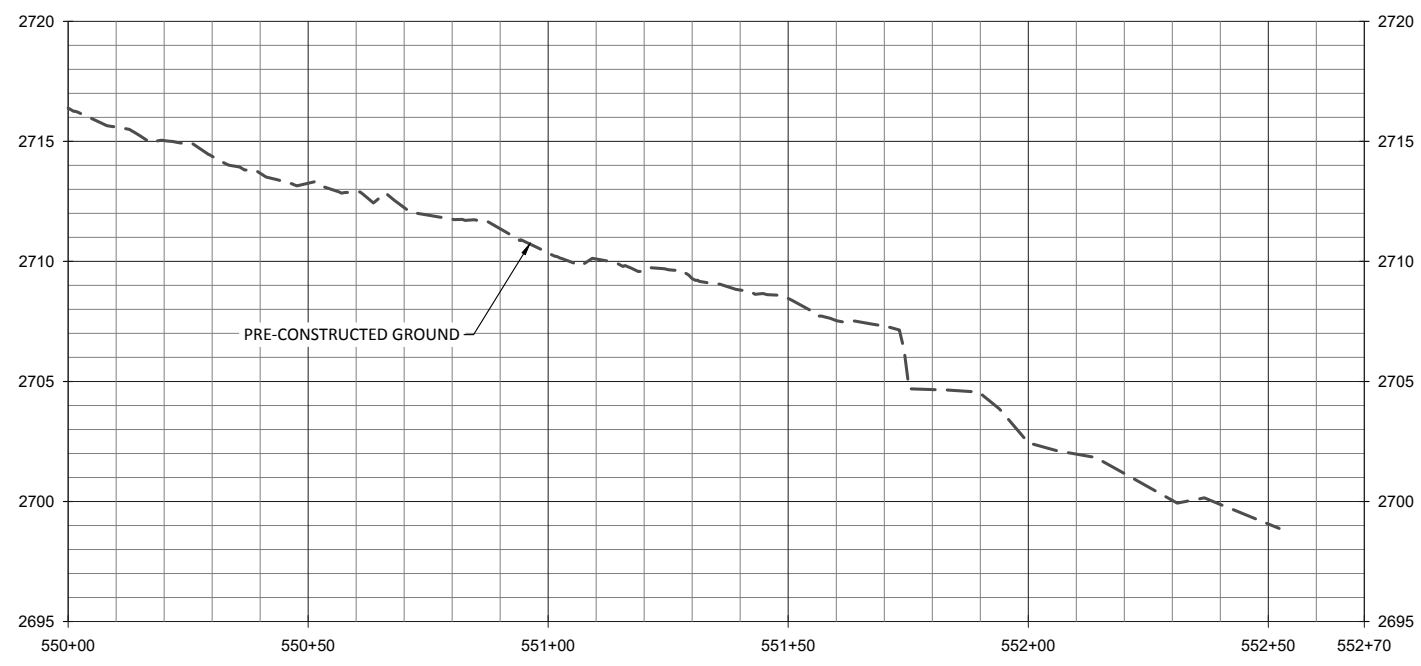
Revisions:


Date: March 21, 2022  
 Job Number: 005-02174  
 Project Engineer: JNK  
 Drawn By: AMR  
 Checked By: JCK

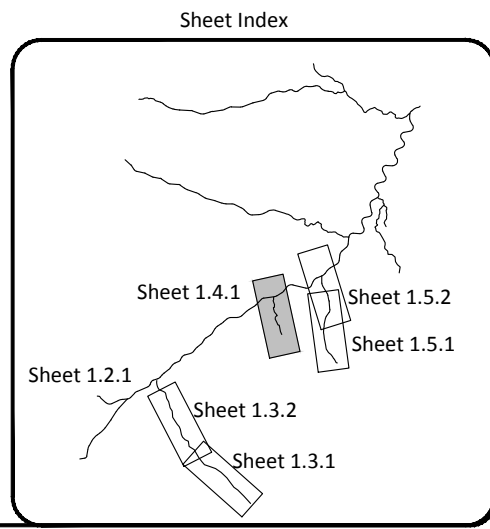
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 Sheet

March 21, 2022

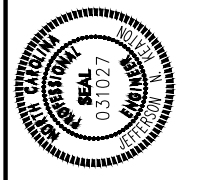
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- ENHANCEMENT II REACH TREATMENT:
1. EXCLUDE CATTLE
  2. TREAT INVASIVE VEGETATION
  3. SUPPLEMENTAL PLANTING- SEE PLANTING PLAN



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Double H Farms Mitigation Site Record Drawings  
 Alleghany County, North Carolina

Hillside Trib Reach 1  
 Stream Plan and Profile

Revisions:


March 21, 2022

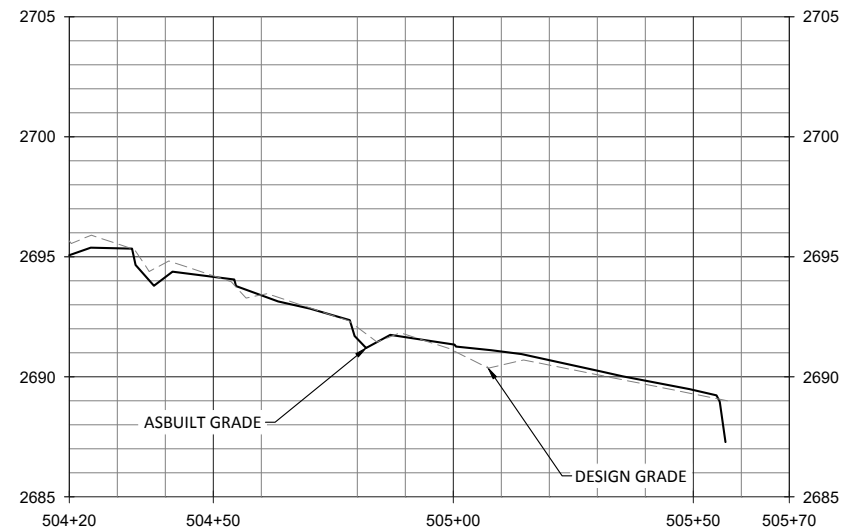
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Job Number:	005-02174
Project Engineer:	JMK
Drawn By:	AMR
Checked By:	JCK

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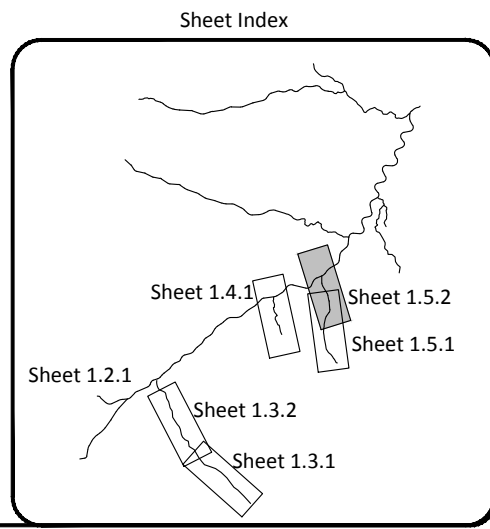
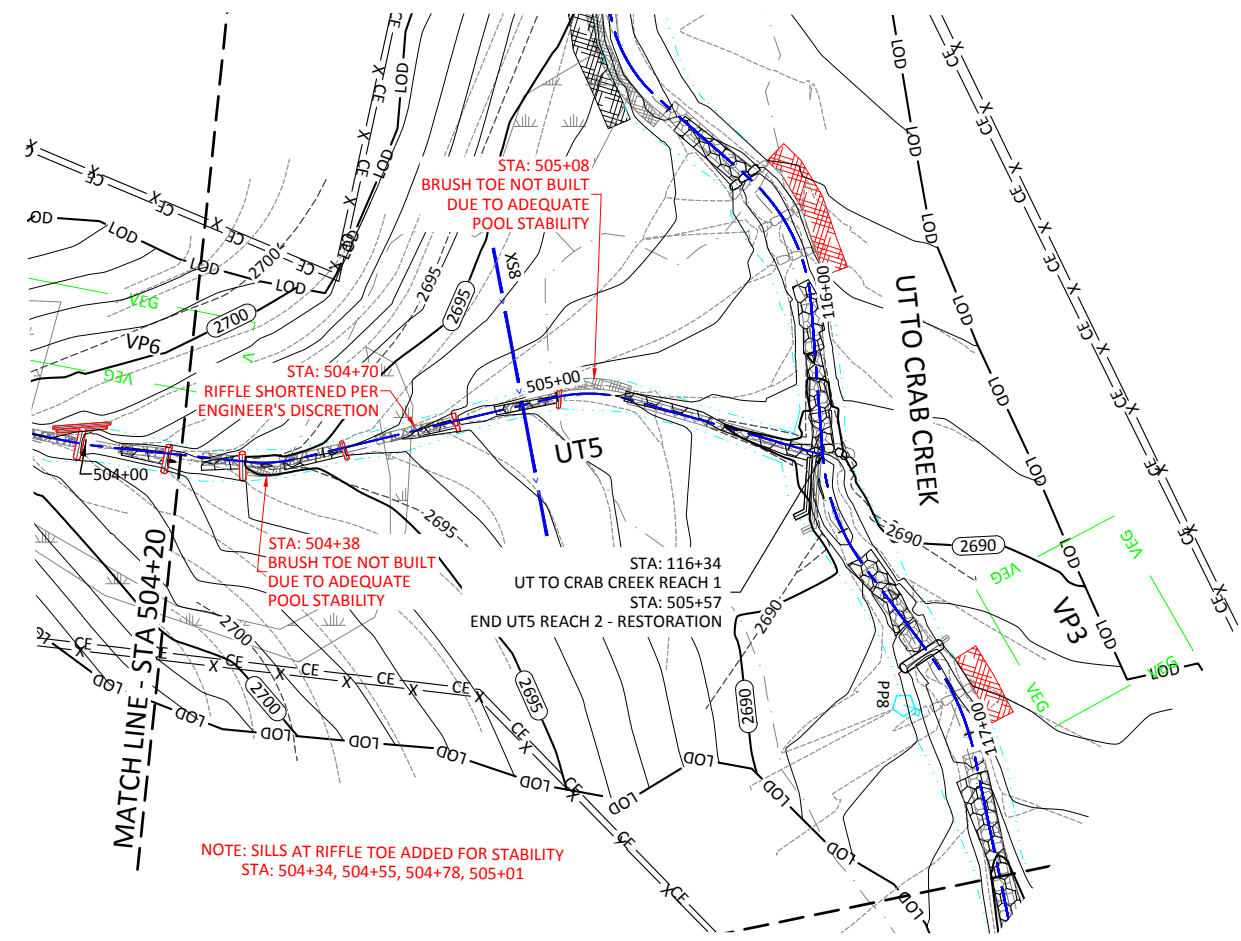
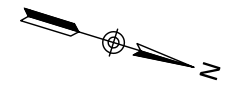
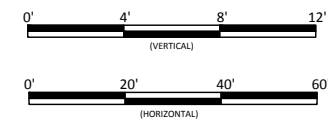
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NOTE: POOLS FILLED WITH SEDIMENT AT STA: 505+07 AS VEGETATION STABILIZES FLOODPLAIN, POOLS SHOULD CLEAR.



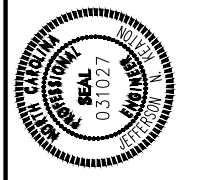
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 Project Engineer: JNK  
 Drawn By: AMR  
 Checked By: JCK

1.5.2  
Sheet

Double H Farms Mitigation Site Record Drawings  
 Alleghany County, North Carolina

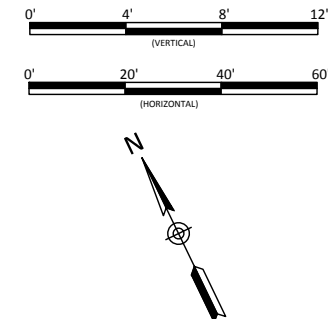
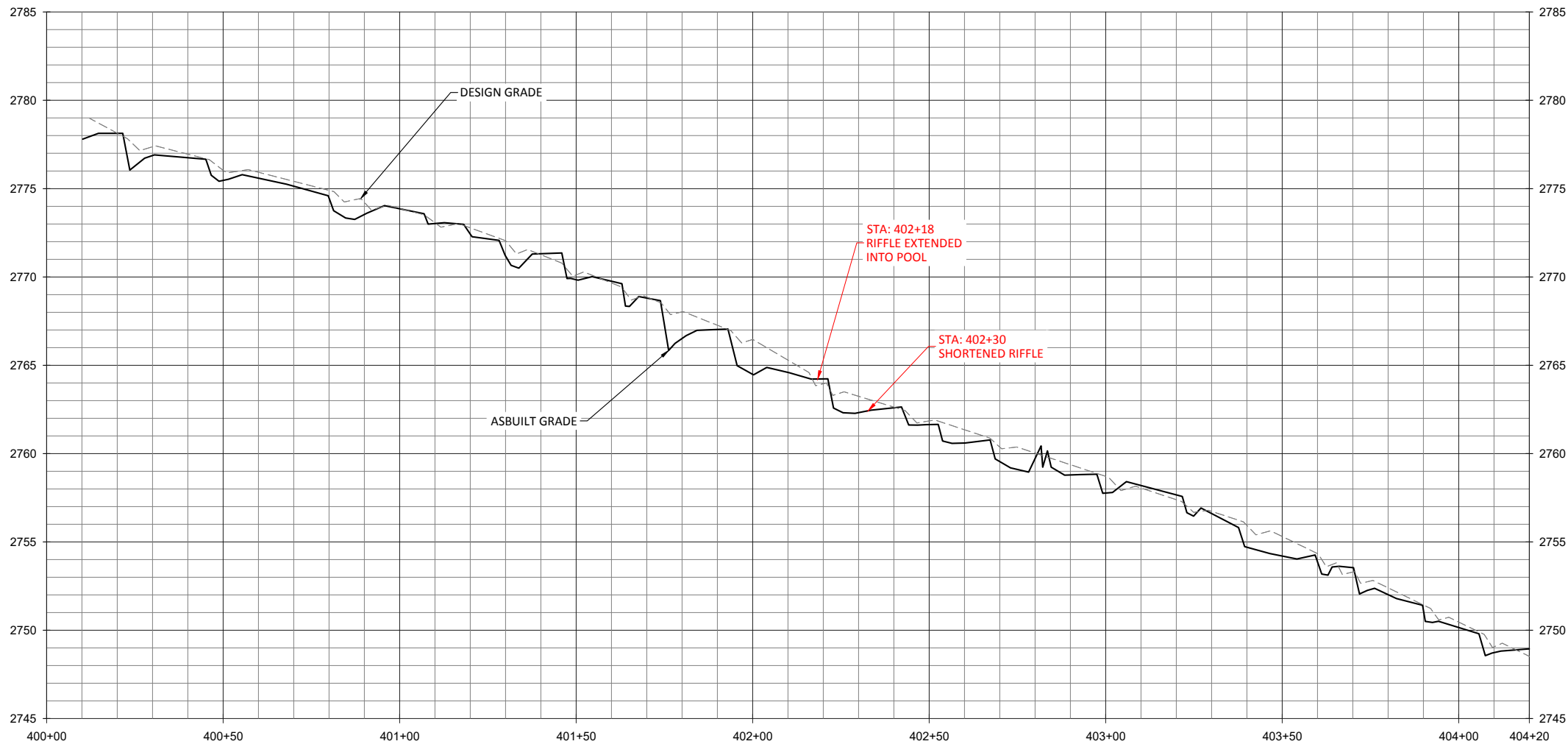
UT5 Reach 1  
 Stream Plan and Profile



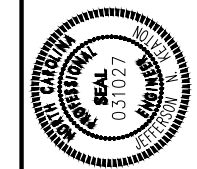
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March 21, 2022

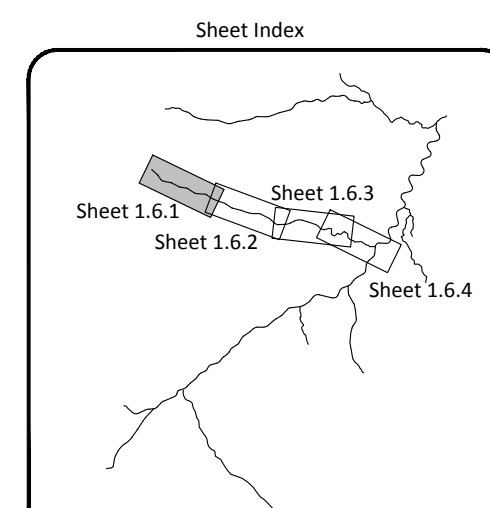
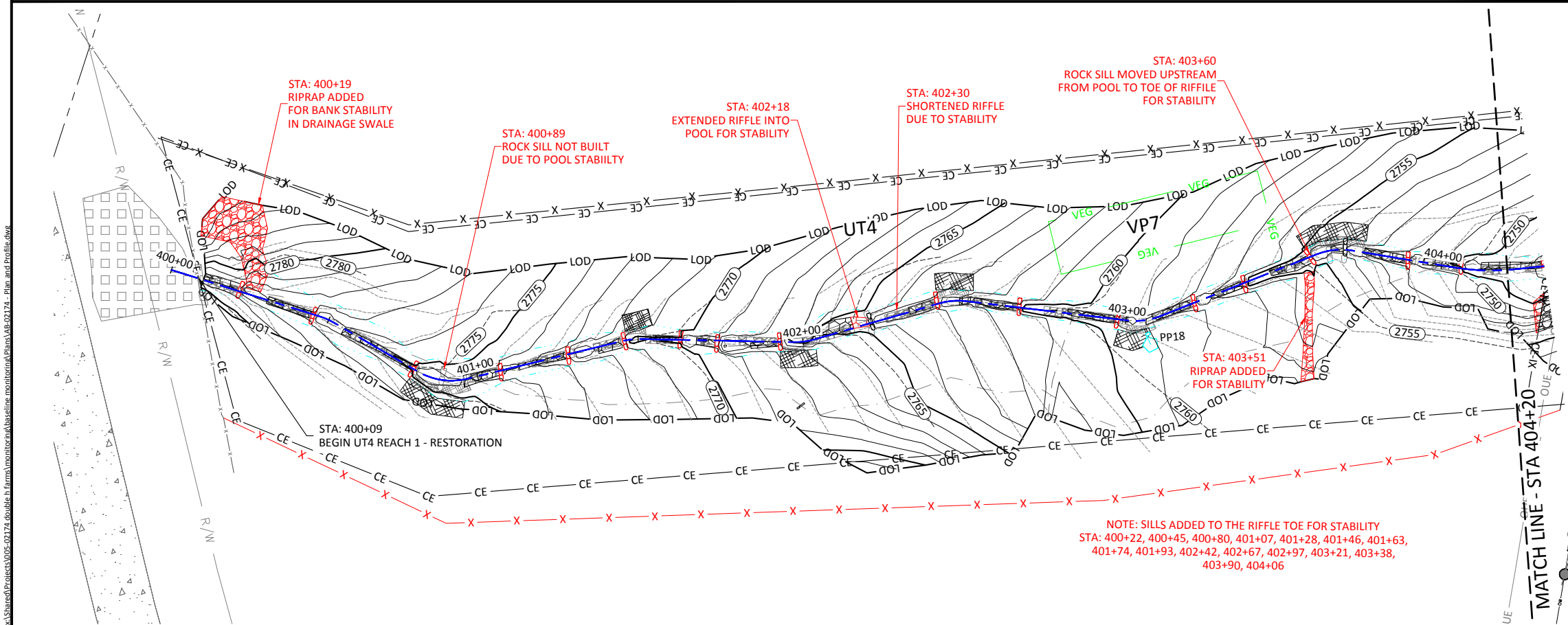


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Double H Farms Mitigation Site Record Drawings  
Alleghany County, North Carolina

UT4 Reach 1  
Stream Plan and Profile



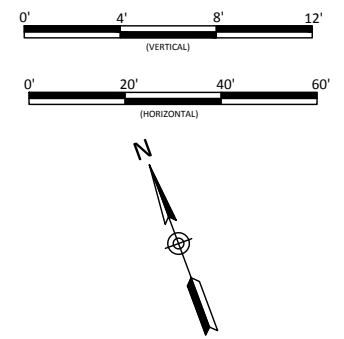
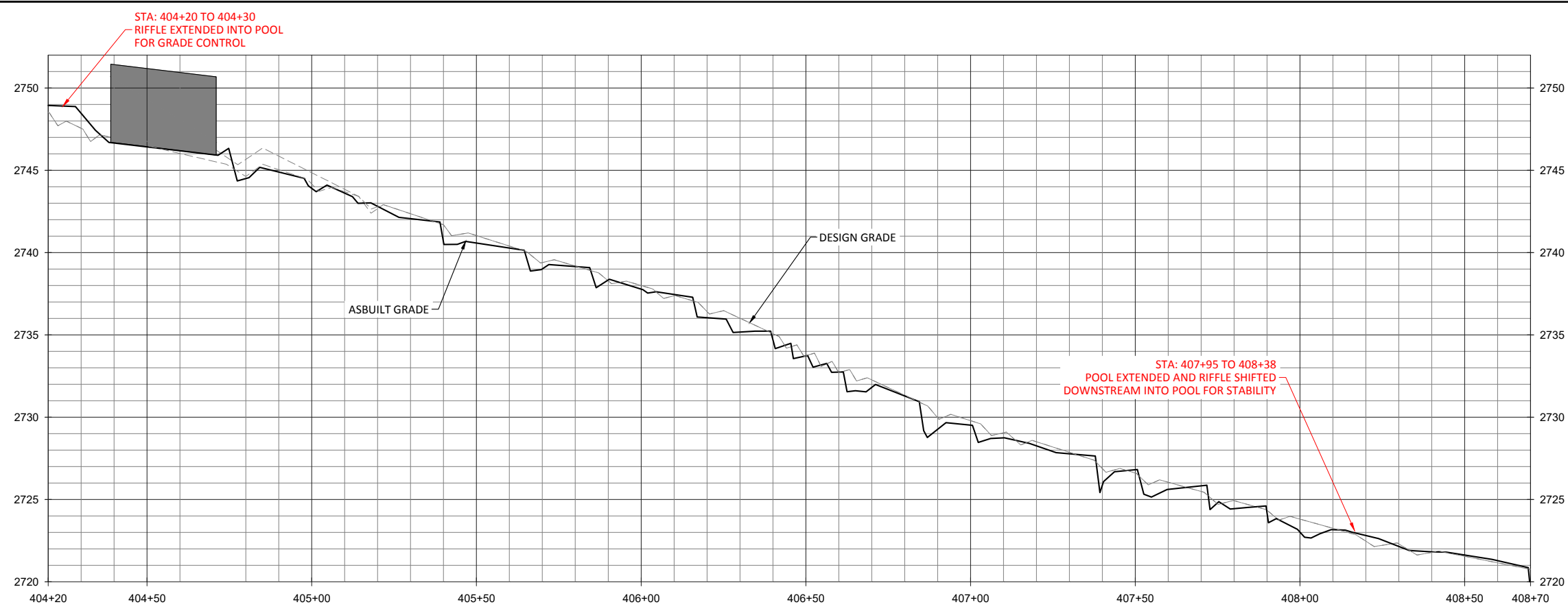
Revisions:


Date: March 21, 2022  
Job Number: 005-02174  
Project Engineer: JNK  
Drawn By: AMR  
Checked By: JCK

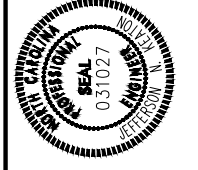
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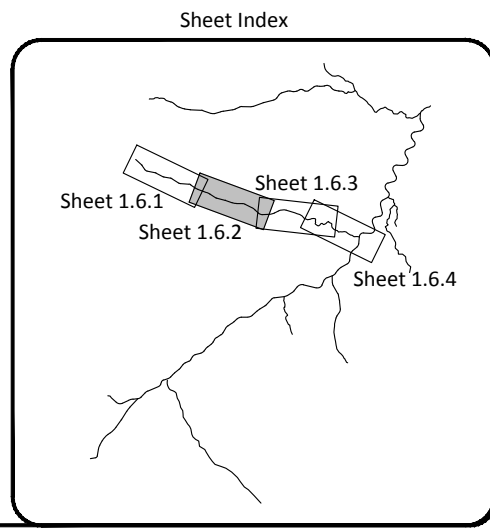
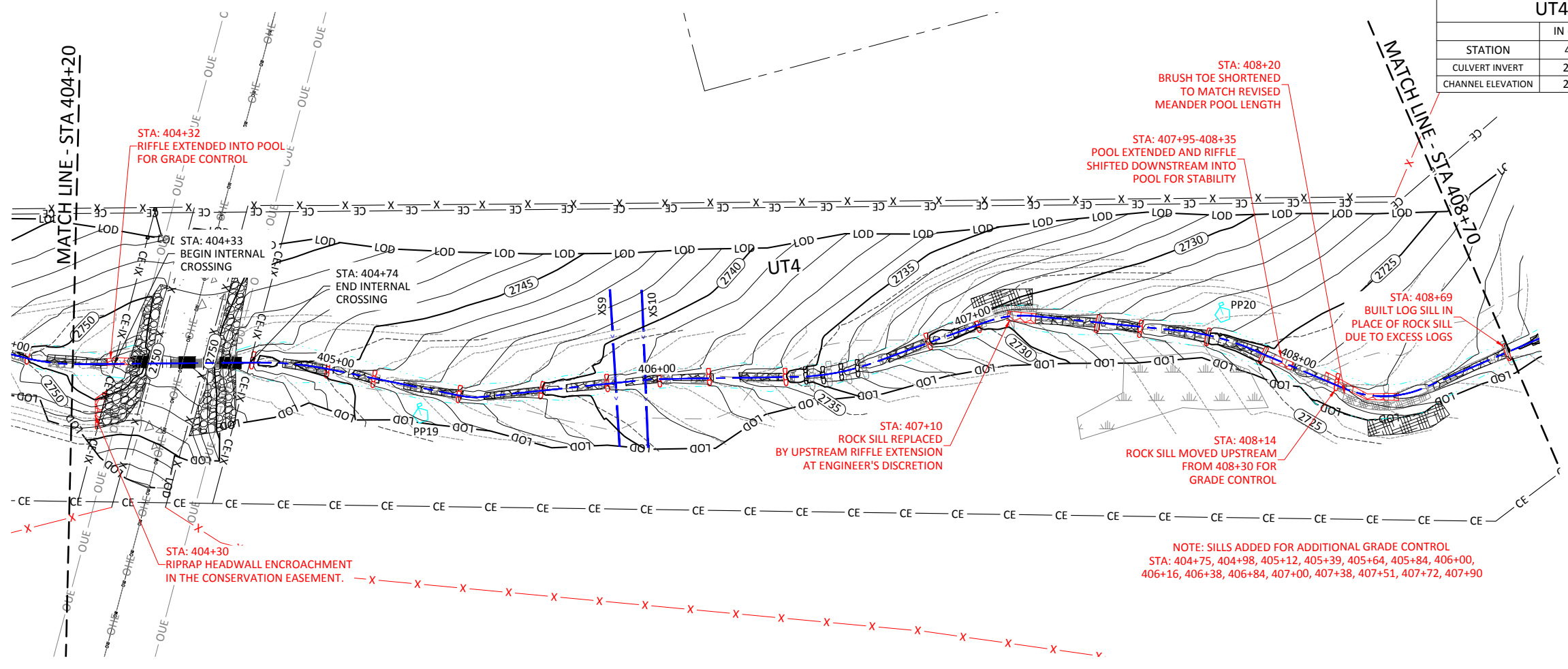
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 March 21, 2022



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UT4 R1 (42"x29" ARCHED CMP)				
	IN (DESIGN)	IN (AS-BUILT)	OUT (DESIGN)	OUT (AS-BUILT)
STATION	404+39	404+40	404+70	404+71
CULVERT INVERT	2746.46	2746.69	2745.86	2745.91
CHANNEL ELEVATION	2746.96	2746.68	2746.36	2745.92



Double H Farms Mitigation Site Record Drawings  
 Alleghany County, North Carolina

UT4 Reach 1  
 Stream Plan and Profile

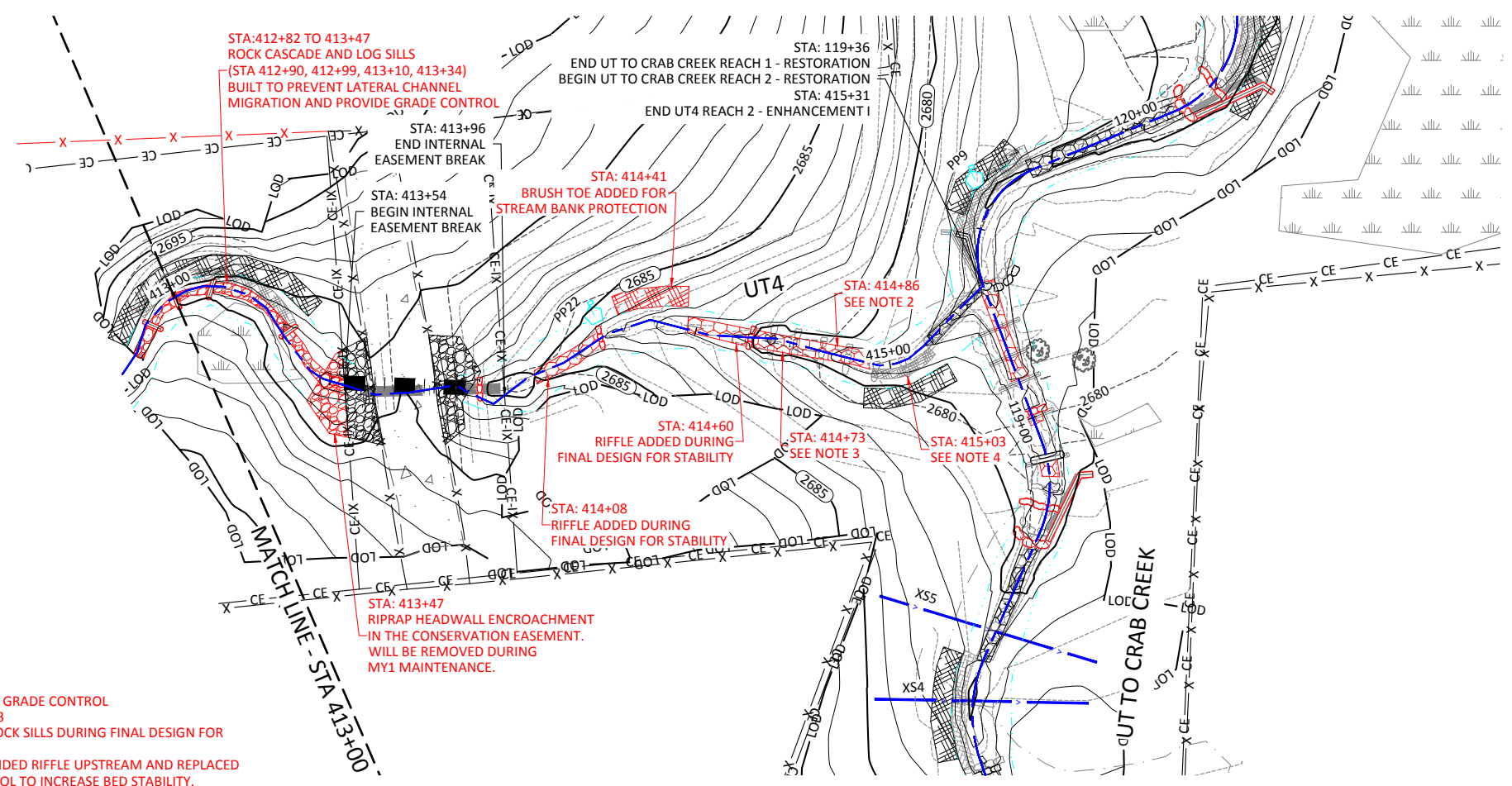
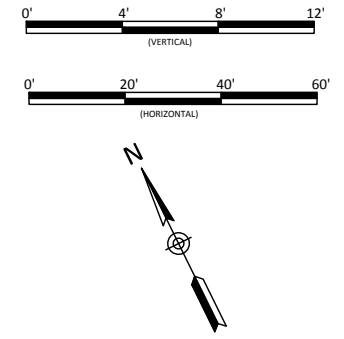
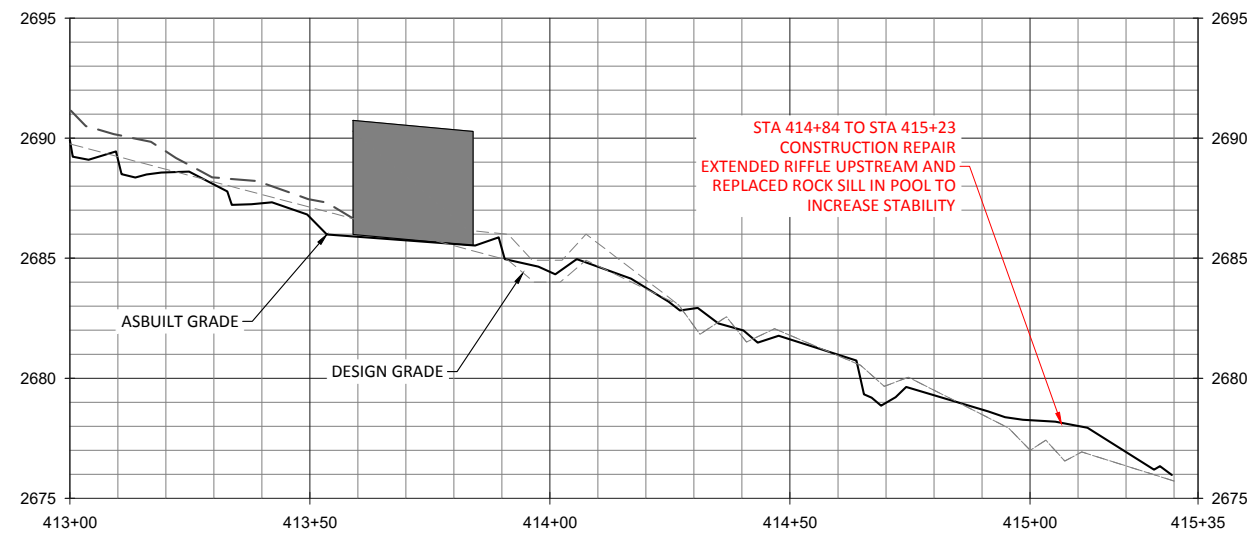
Revisions:


Date: March 21, 2022  
 Job Number: 005-02174  
 Project Engineer: JNK  
 Drawn By: AMR  
 Checked By: JCK

**1.6.2**  
 Sheet

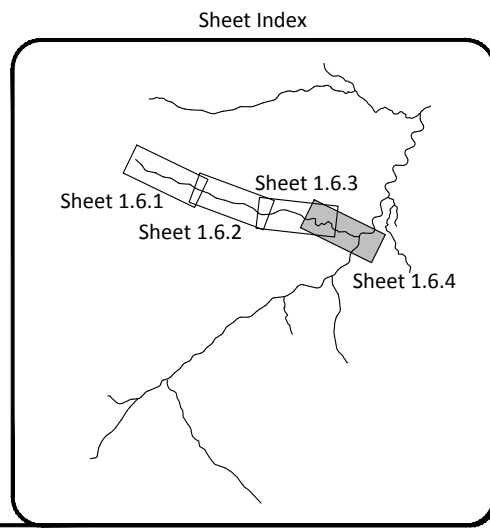


March 21, 2022  
 a:\shared\projects\005-02174\_double\_h\_farms\monitoring\baseline\_monitoring\plans\1.6.4\_plan\_and\_profile.dwg



- NOTE:
- SILLS ADDED FOR ADDITIONAL GRADE CONTROL  
STA: 413+89, 414+25, 414+63
  - RIFFLE REPLACED SERIES OF ROCK SILLS DURING FINAL DESIGN FOR ADDITIONAL STABILITY.
  - CONSTRUCTION REPAIR EXTENDED RIFFLE UPSTREAM AND REPLACED ROCK SILL (STA: 414+69) IN POOL TO INCREASE BED STABILITY.
  - ROCK SILL IN POOL REMOVED DUE TO POOL STABILITY.

UT4 R2 (42"x29" ARCHED CMP)				
	IN (DESIGN)	IN (AS-BUILT)	OUT (DESIGN)	OUT (AS-BUILT)
STATION	413+59	413+54	413+92	413+84
CULVERT INVERT	2686.14	2685.99	2685.50	2685.53
CHANNEL ELEVATION	2686.64	2685.91	2686.00	2685.54



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 JAMES M. RAYMOND  
 CIVIL ENGINEER

Double H Farms Mitigation Site Record Drawings  
 Alleghany County, North Carolina

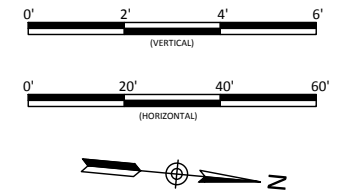
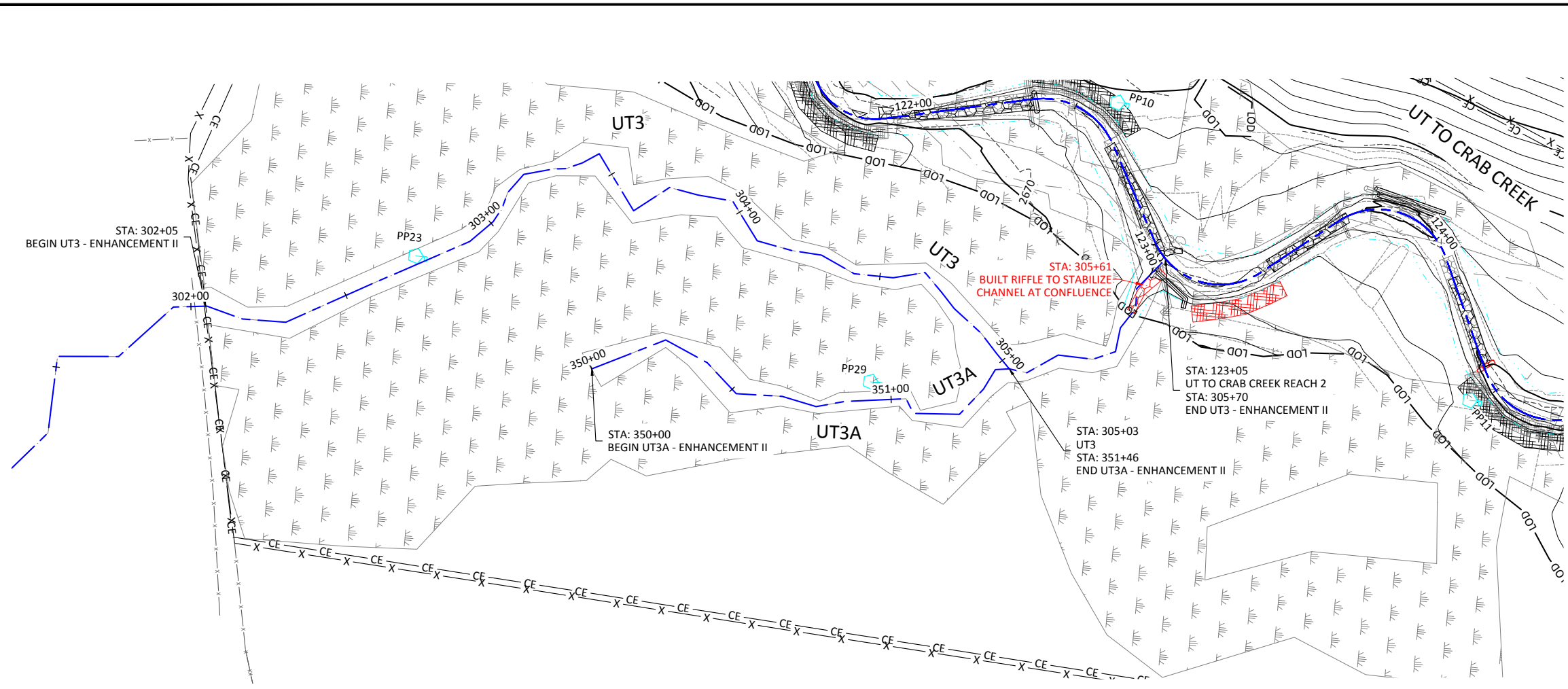
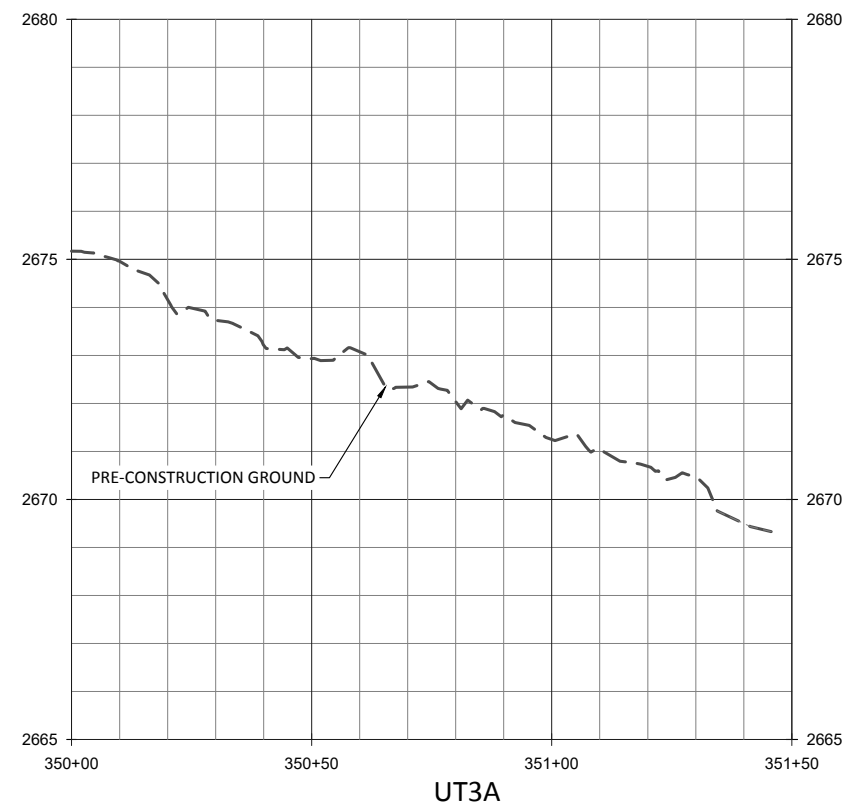
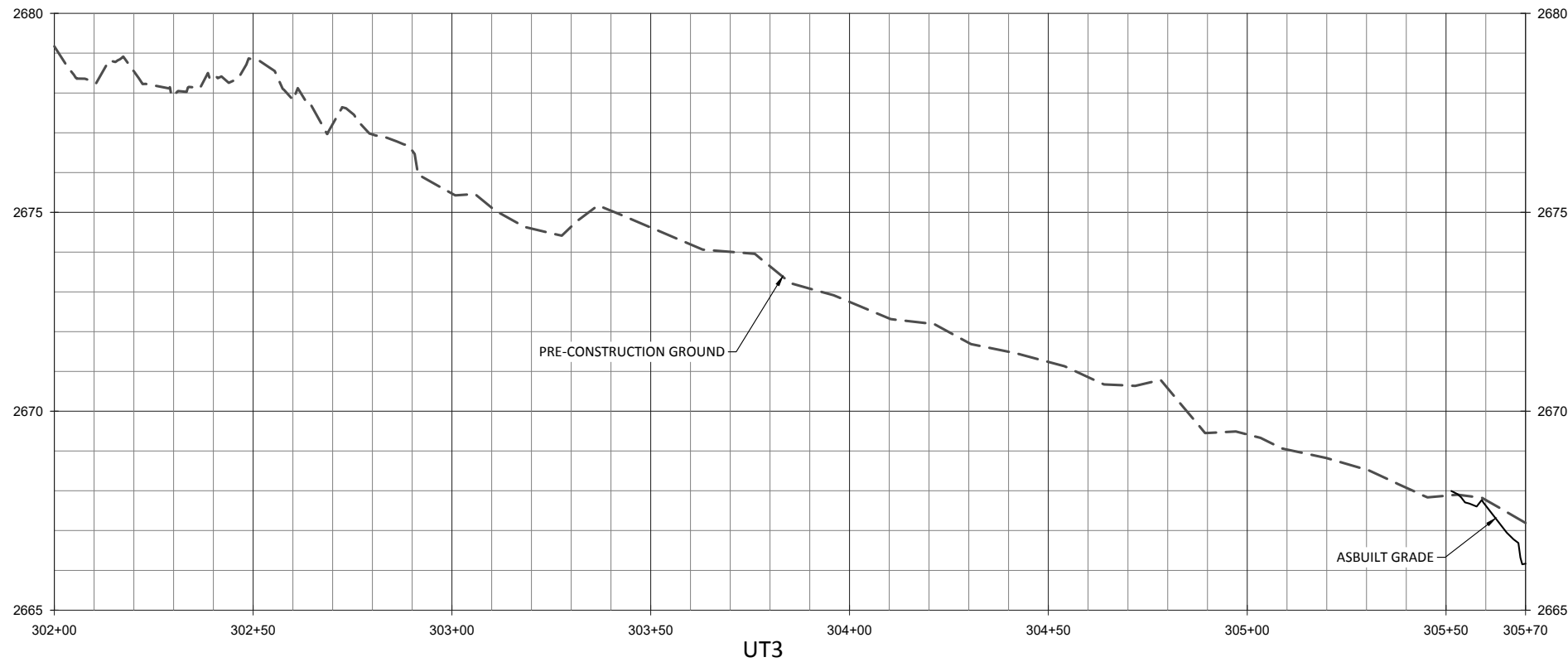
UT4 Reach 2  
 Stream Plan and Profile

Revisions:  
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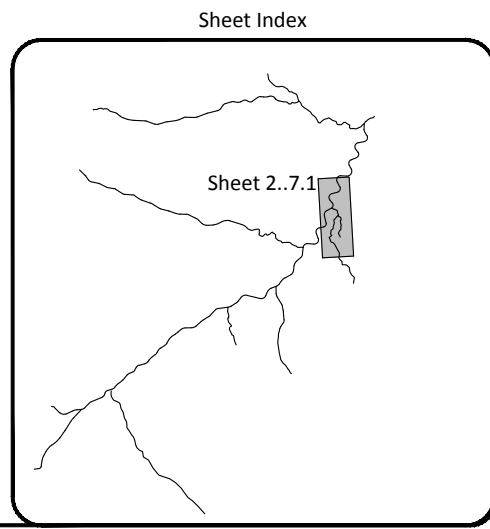
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 Job Number: 005-02174  
 Project Engineer: JMR  
 Drawn By: AMR  
 Checked By: JCK

**1.6.4**  
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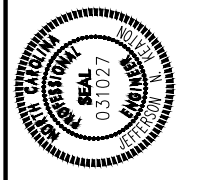
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 March 21, 2022



- ENHANCEMENT II REACH TREATMENT:**
1. EXCLUDE CATTLE
  2. TREAT INVASIVE VEGETATION
  3. SUPPLEMENTAL PLANTING- SEE PLANTING PLAN



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Double H Farms Mitigation Site Record Drawings  
 Alleghany County, North Carolina

UT3 & UT3A  
 Stream Plan and Profile

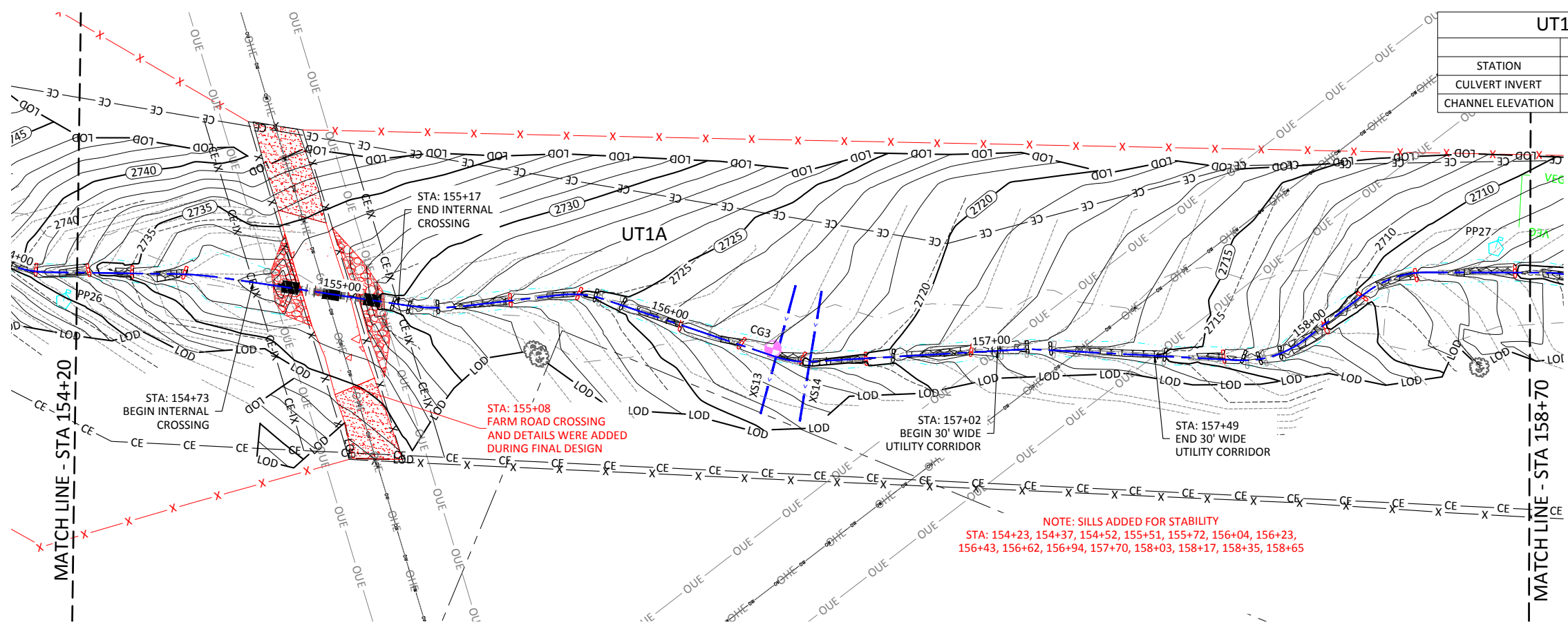
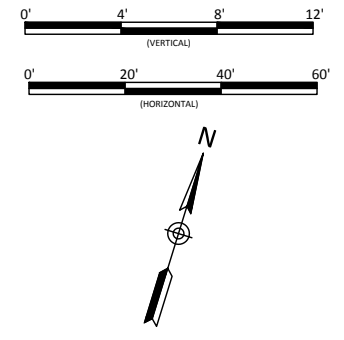
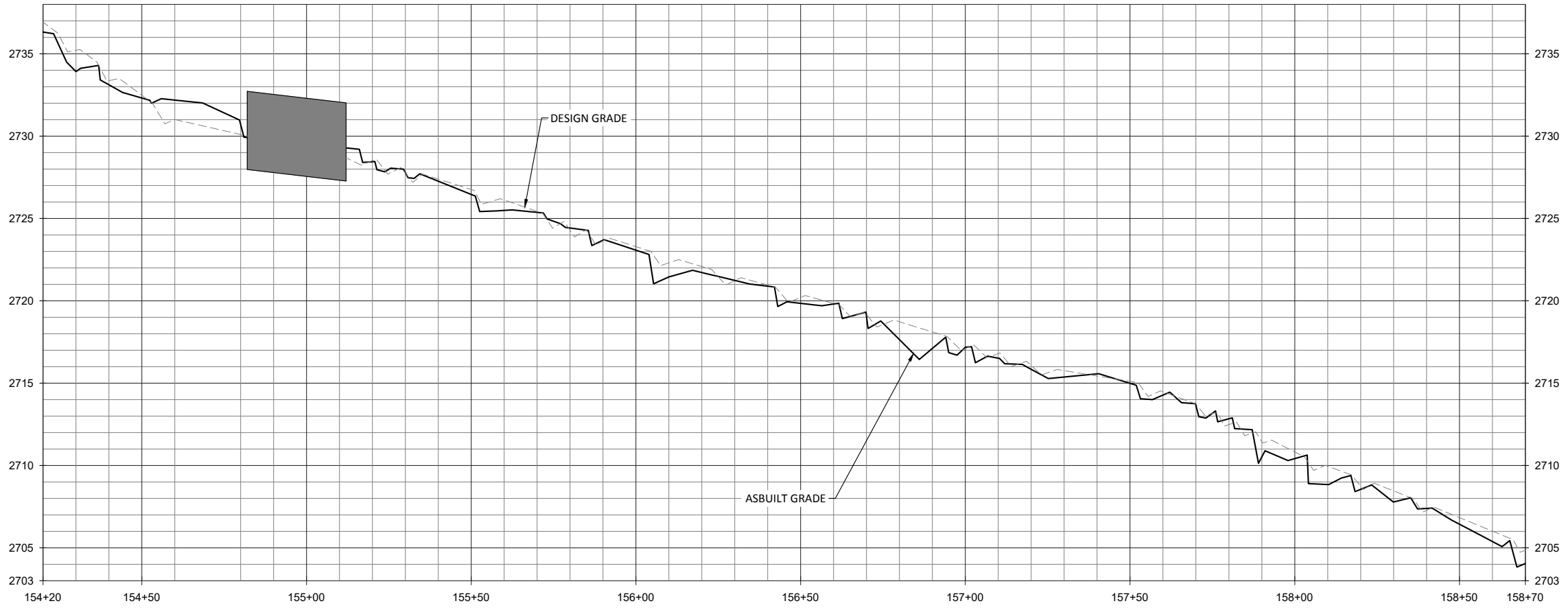
Revisions:


Date: March 21, 2022  
 Job Number: 005-02174  
 Project Engineer: JNK  
 Drawn By: AMR  
 Checked By: JCK

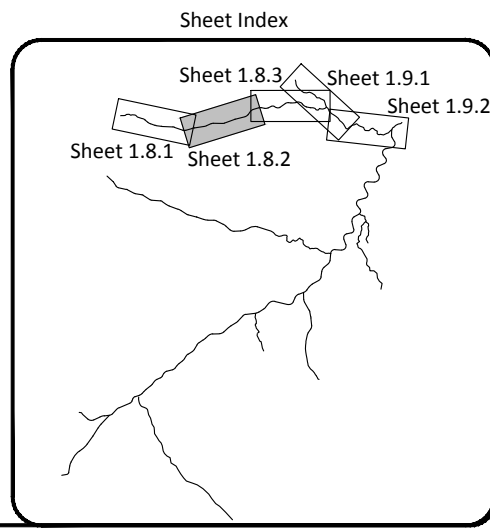
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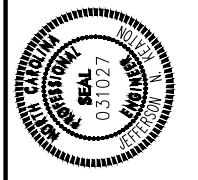


UT1A R1 (42"x29" ARCHED CMP)				
	IN (DESIGN)	IN (AS-BUILT)	OUT (DESIGN)	OUT (AS-BUILT)
STATION	154+80	154+82	155+13	155+12
CULVERT INVERT	2729.60	2729.97	2728.94	2729.27
CHANNEL ELEVATION	2730.10	2729.91	2729.44	2729.28



NOTE: SILLS ADDED FOR STABILITY  
 STA: 154+23, 154+37, 154+52, 155+51, 155+72, 156+04, 156+23, 156+43, 156+62, 156+94, 157+70, 158+03, 158+17, 158+35, 158+65

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Double H Farms Mitigation Site Record Drawings  
 Alleghany County, North Carolina

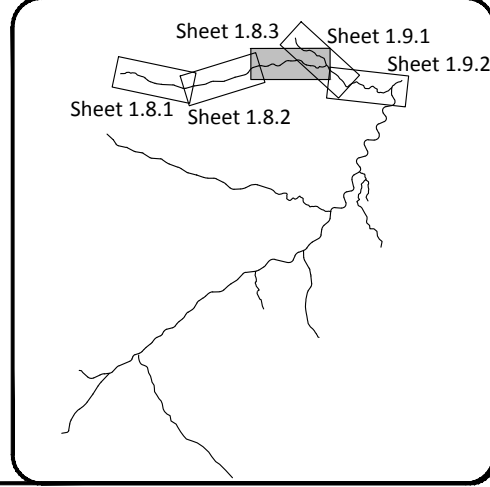
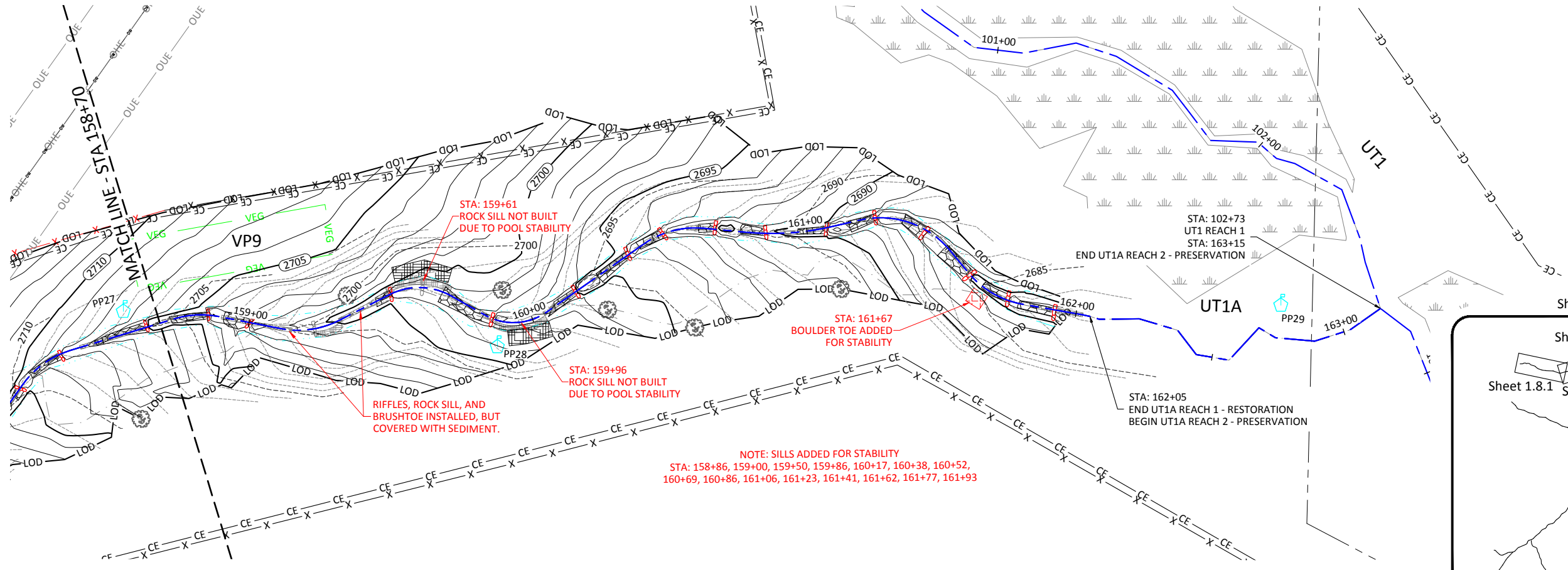
UT1A Reach 1  
 Stream Plan and Profile

Revisions:


Date: March 21, 2022  
 Job Number: 005-02174  
 Project Engineer: JNK  
 Drawn By: AMR  
 Checked By: JCK

**1.8.2**  
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March 21, 2022  
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**Double H Farms Mitigation Site Record Drawings**  
**Alleghany County, North Carolina**

UT1A Reach 1 & Reach 2  
 Stream Plan and Profile

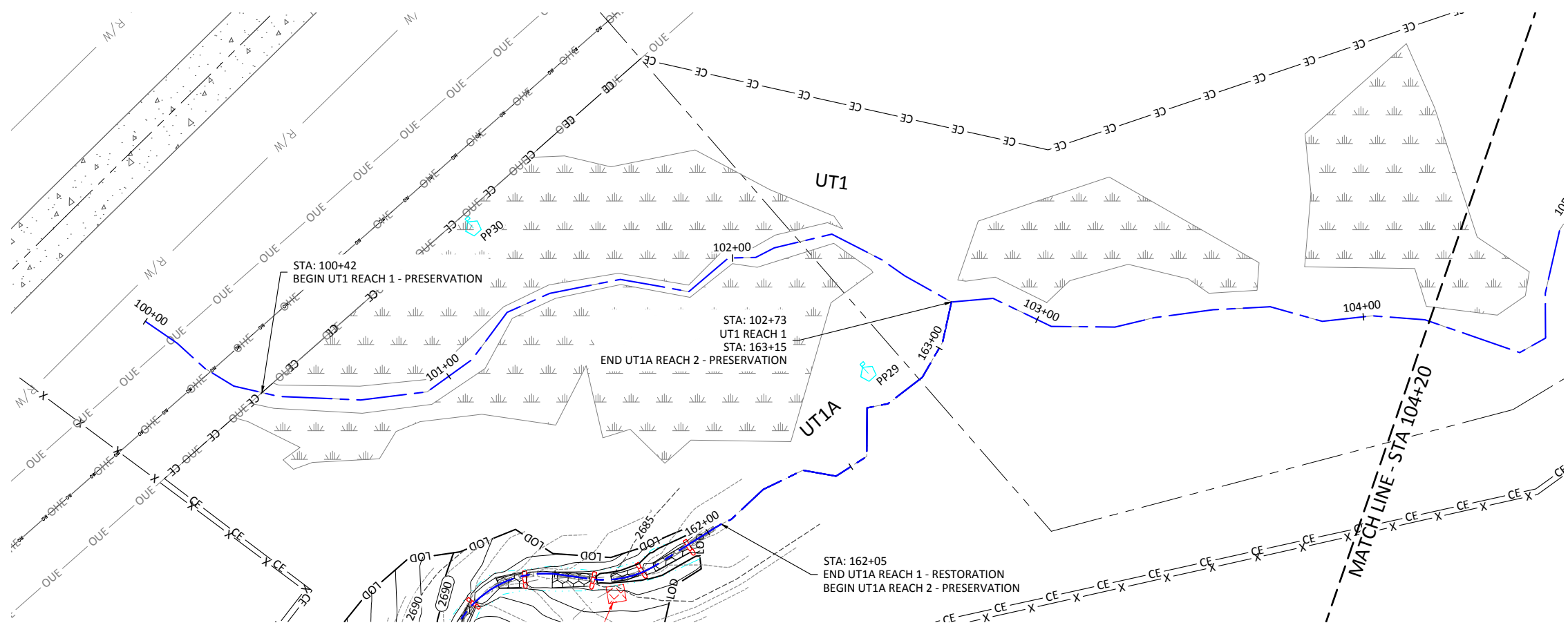
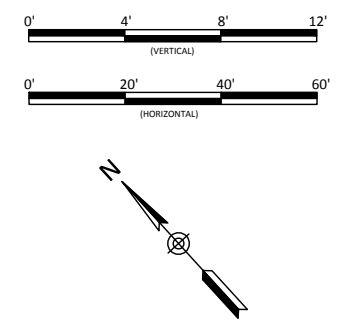
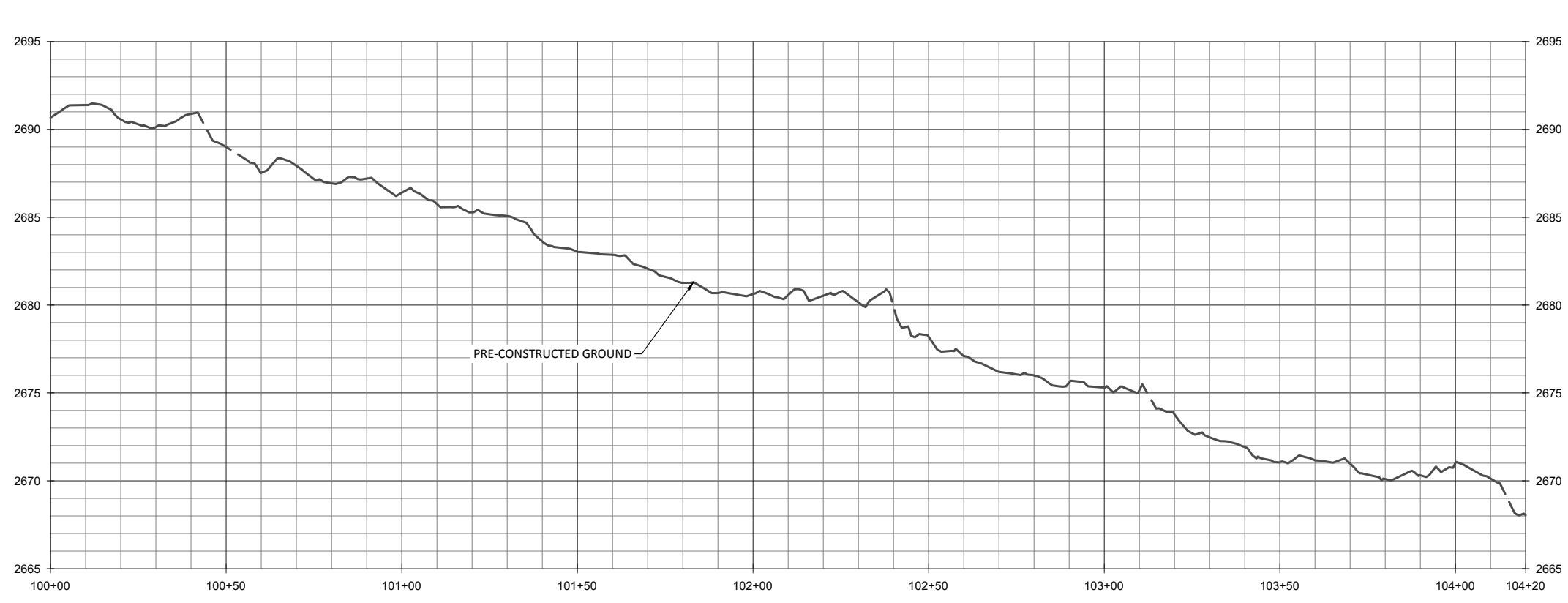
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 Job Number: 005-02174  
 Project Engineer: JNK  
 Drawn By: AMR  
 Checked By: JCK

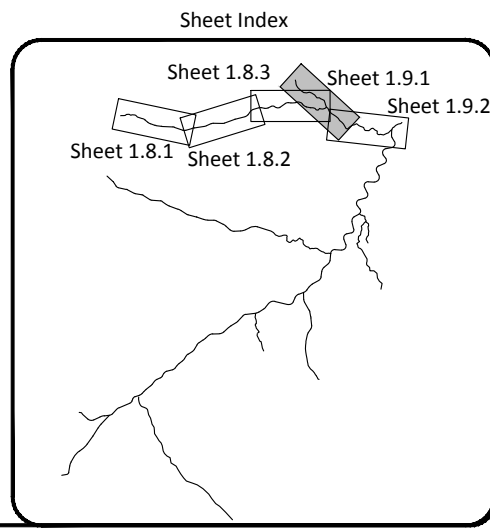
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March 21, 2022  
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PRESERVATION REACH TREATMENT:  
1. TREAT INVASIVE VEGETATION



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Double H Farms Mitigation Site Record Drawings

Alleghany County, North Carolina

UT1 Reach 1

Stream Plan and Profile

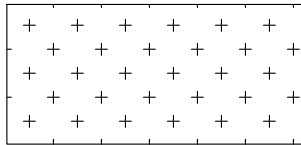
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1.9.1

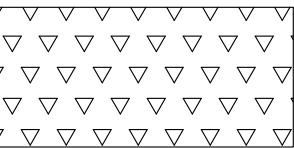
Date:	March 21, 2022
Job Number:	005-02174
Project Engineer:	JNK
Drawn By:	AMR
Checked By:	JCK

Sheet





Total Planting Area: 14.0 ac



Total Planting Area: 2.6 ac

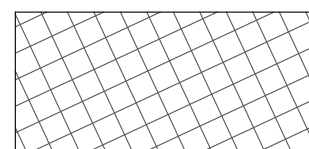
Riparian Planting Zone table with columns: Species, Common Name, Max Spacing, Indiv. Spacing, Min. Caliper, Stratum, Percentage, Wetland Indicator Code. Includes species like Platanus occidentalis, Diospyros virginiana, Ostrya virginiana, etc.

Wetland Planting Zone table with columns: Species, Common Name, Max Spacing, Indiv. Spacing, Min. Caliper, Stratum, Percentage, Wetland Indicator Code. Includes Bare Roots section with species like Platanus occidentalis, Betula nigra, Salix sericea, etc.

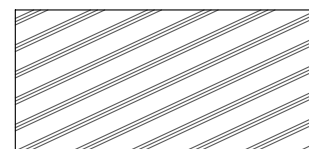
Herbaceous Plugs table with columns: Species, Common Name, Max Spacing, Indiv. Spacing, Min. Size, Stratum, Percentage, Wetland Indicator Code. Includes species like Juncus effusus, Carex lurida, Carex crinita, etc.

\*not subject to monitoring requirements

Streambank Planting Zone table with columns: Species, Common Name, Max Spacing, Indiv. Spacing, Min. Size, Stratum, Percentage, Wetland Indicator Code. Includes Live Stakes (>8' TOB and <8' TOB) and Herbaceous Plugs sections.



Total Planting Area: 7.3 ac



Permanent Riparian Seeding table with columns: Approved Date, Species Name, Common Name, Stratum, Density (lbs/acre), Wetland Indicator Code. Includes species like Schizachyrium scoparium, Panicum anceps, Sorghastrum nutans, etc.

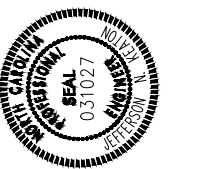
Temporary Seeding table with columns: Approved Date, Type, Planting Rate (lbs/acre). Includes entries for Winter Oats, Rye Grain, Ladino Clover, etc.

Pasture Seeding table with columns: Species Name, Common Name, Density (lbs/acre). Includes Dactylis glomerata, Trifolium pratense, Trifolium repens.

NOTE: 1. To be planted on all disturbed areas outside CE and within internal CE breaks.

No Planting Zone

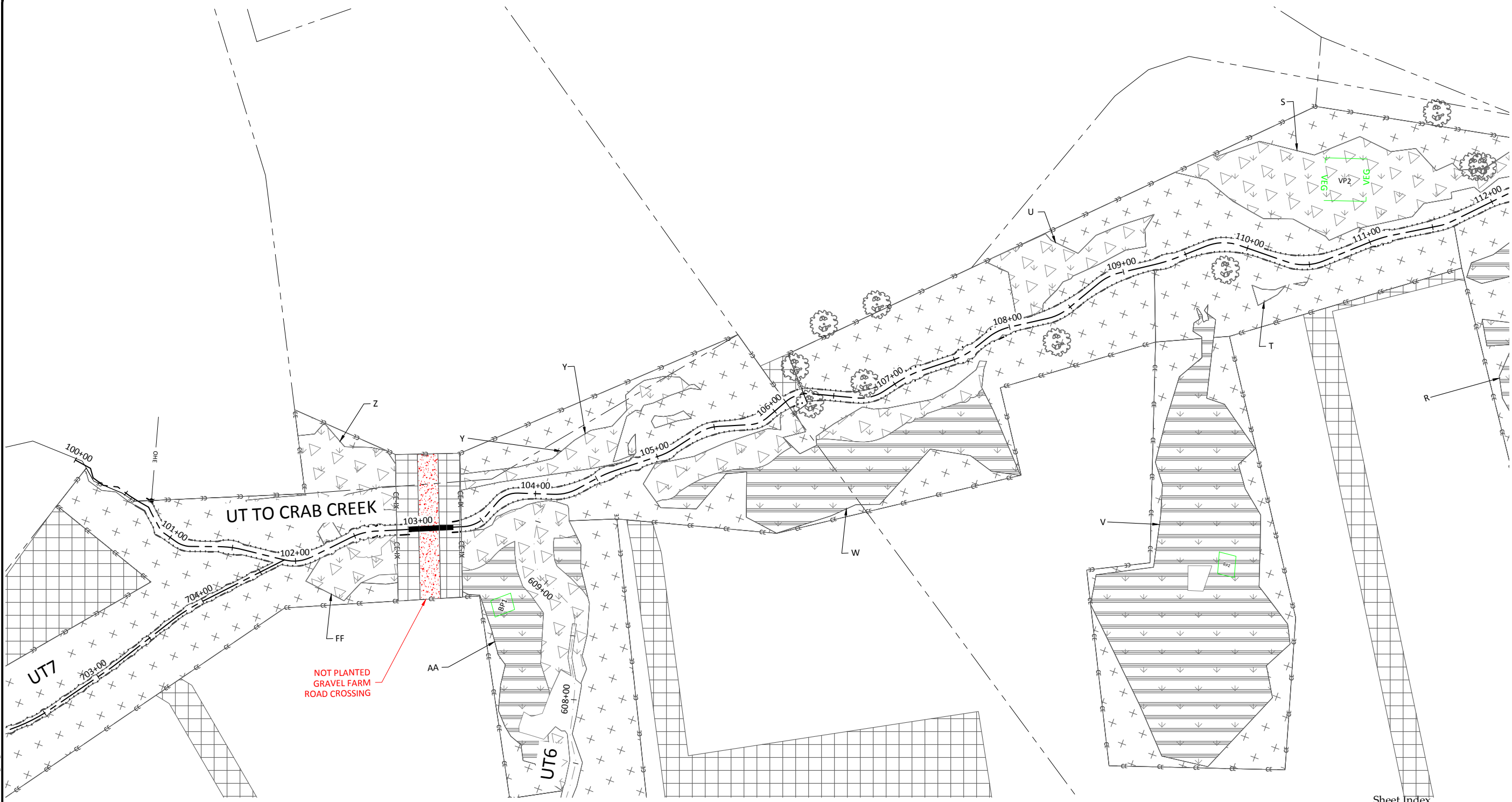
NOTE: 1. No planting in wetland C and F. 2. No planting past top of bank offsets (30' for UT to Crab Creek and 15' for all other Tribs) in wetland AA, W, V, R, P and N, as shown in the plans.



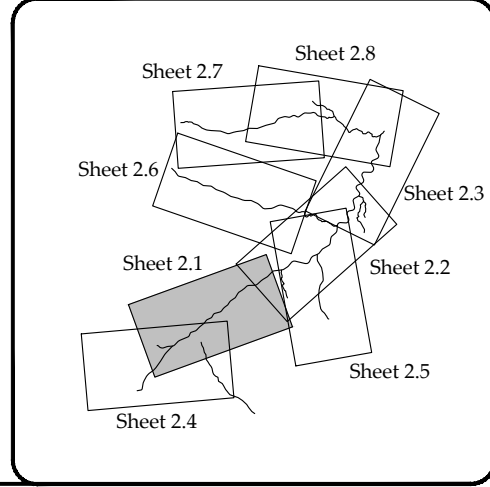
Double H Farms Mitigation Site Record Drawings Alleghany County, North Carolina Planting Lists Planting

Revisions table with columns: No., Description, Date, By.

s:\Shared\Projects\005-02174\_double\_h\_farms\_monitoring\_baseline\_monitoring\_Plans\AB-02174\_Planting.dwg  
March 21, 2022



Sheet Index



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Double H Farms Mitigation Site Record Drawings  
Alleghany County, North Carolina

UTCC Reach 1  
Planting

Revisions:

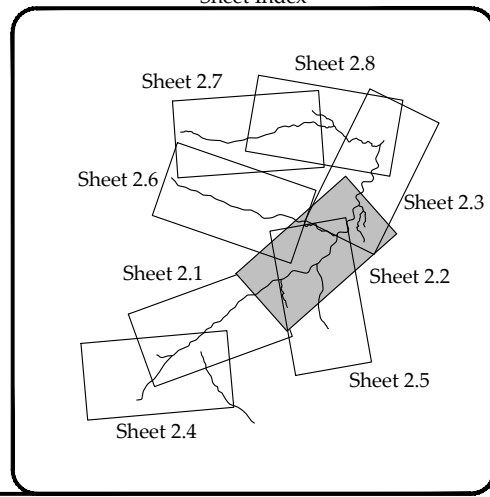
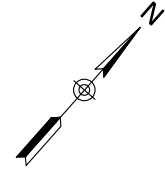
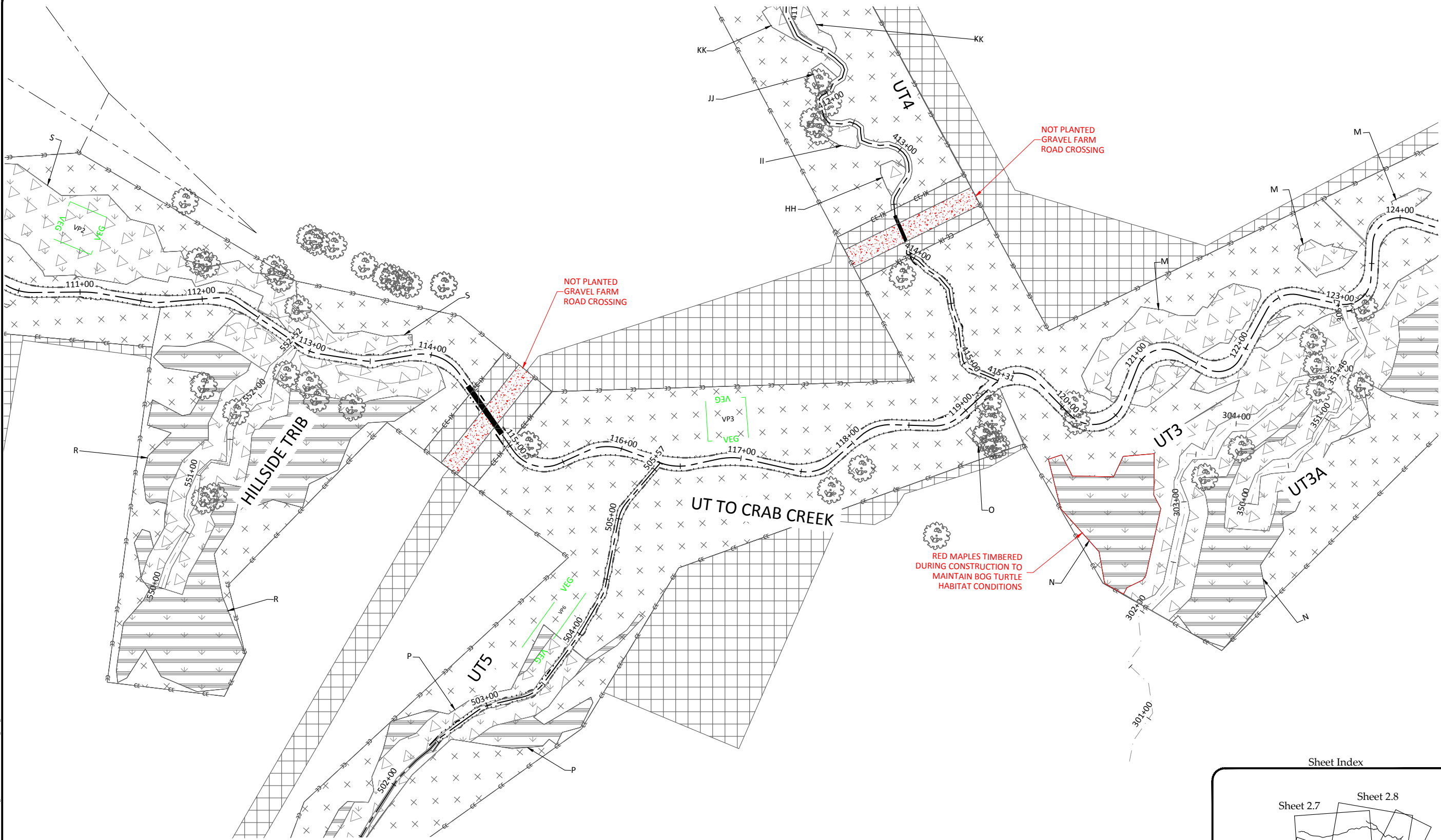

Date: March 21, 2022  
Job Number: 005-02174  
Project Engineer: JNK  
Drawn By: AMR  
Checked By: JCK

2.1

Sheet

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 Tel: 704.332.7754  
 Fax: 704.332.3306  
 Firm License No. F-0831



Double H Farms Mitigation Site Record Drawings  
 Allegheny County, North Carolina

UTCC Reach 1 & Reach 2  
 Planting

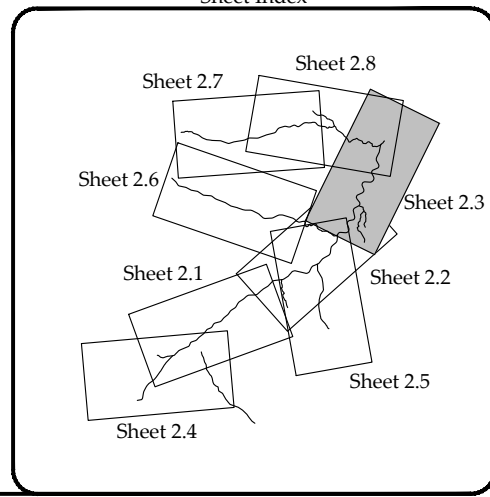
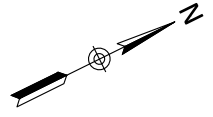
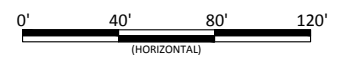
Revisions:


Date: March 21, 2022  
 Job Number: 005-02174  
 Project Engineer: JNK  
 Drawn By: AMR  
 Checked By: JCK

2.2

Sheet

March 21, 2022  
X:\Shared\Projects\005-02174\_double\_h\_farms\monitoring\_baseline\_monitoring\_Plans\AB-02174-Planting.dwg



Double H Farms Mitigation Site Record Drawings  
Alleghany County, North Carolina

UTCC Reach 2  
Planting

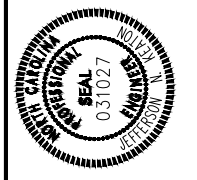
Revisions:

No.	Description	By	Date

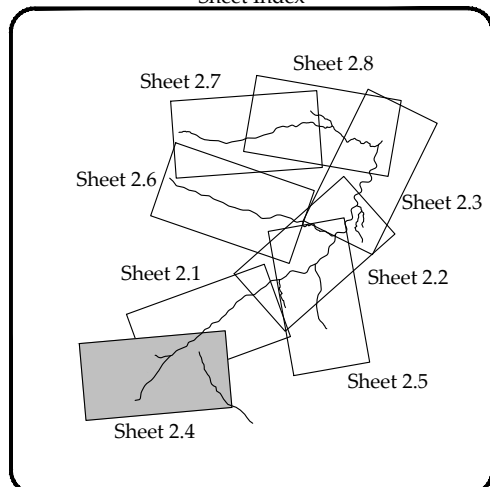
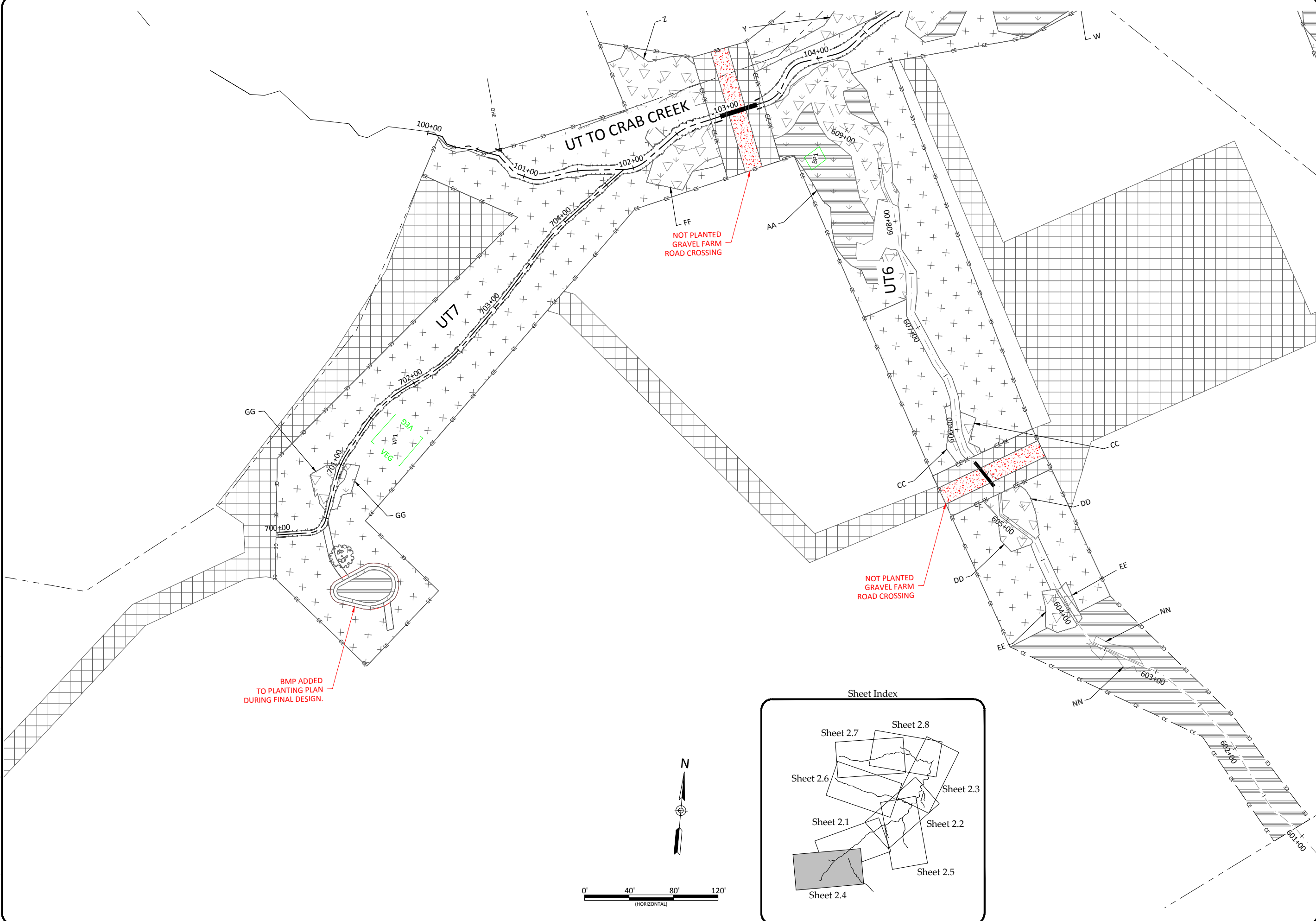
Date:	March 21, 2022
Job Number:	005-02174
Project Engineer:	JNK
Drawn By:	AMR
Checked By:	JCK

2.3

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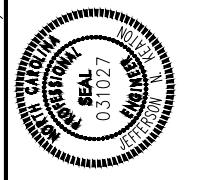
**WILDLANDS**  
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1405 SHILOH RD. SUITE 104  
CHEROKEE, NC 28626  
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Fax: 704.332.3306  
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Double H Farms Mitigation Site Record Drawings  
 Alleghany County, North Carolina

UT7 & UT6  
 Planting

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 1405 S. Mills Ave., Suite 104  
 Charlotte, NC 28203  
 Tel: 704.332.7754  
 Fax: 704.332.3306  
 Firm License No. F-0831

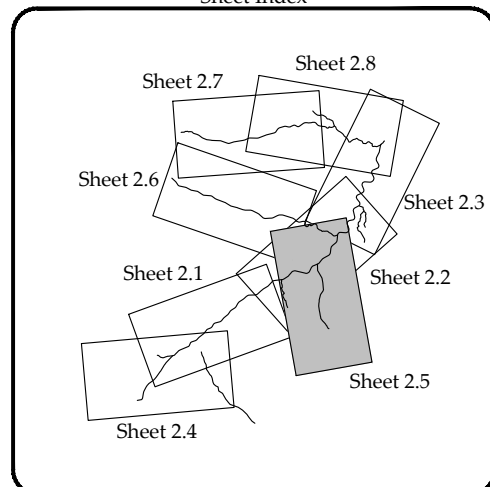
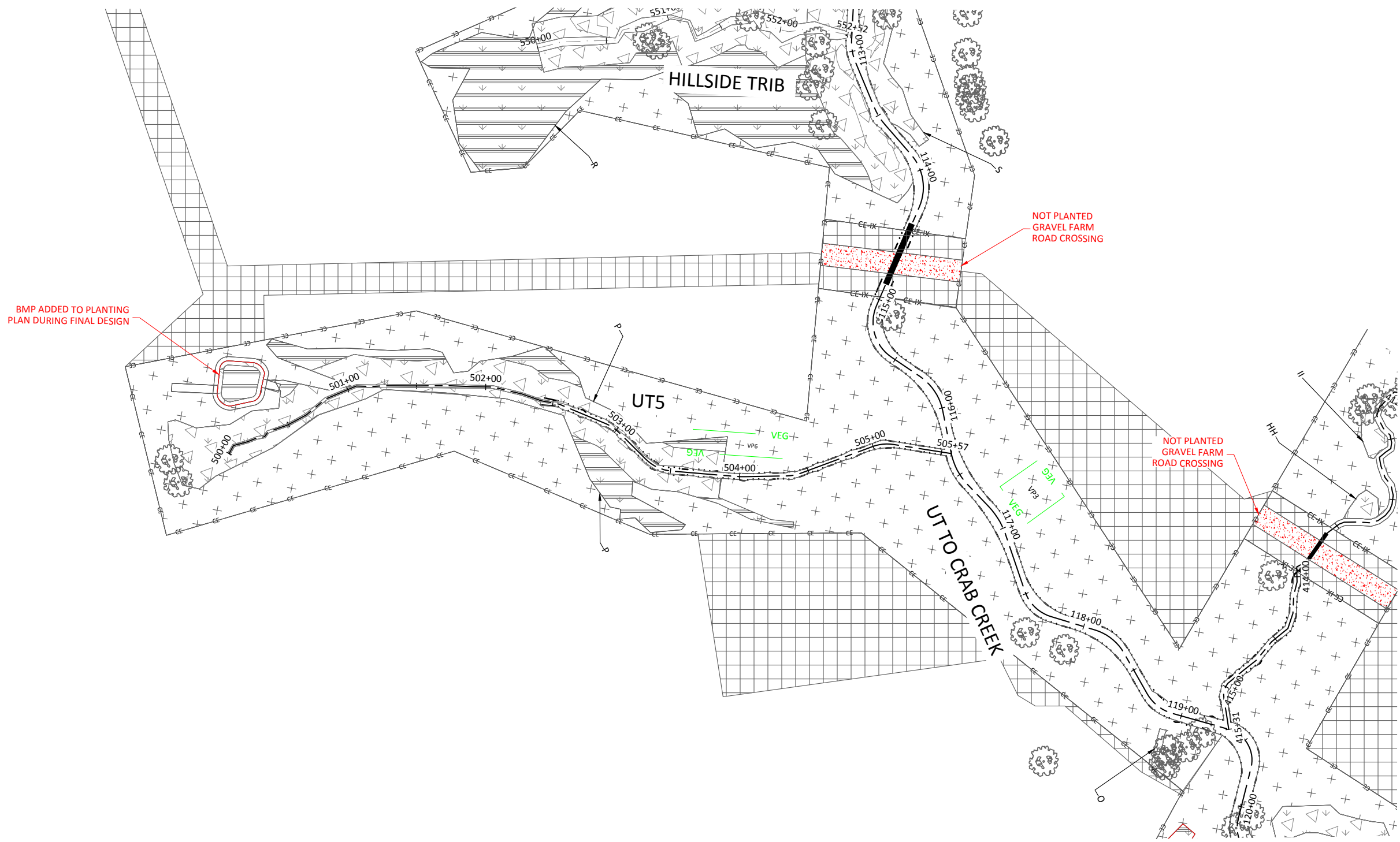


Revisions:


Date:	March 21, 2022
Job Number:	005-02174
Project Engineer:	JMK
Drawn By:	AMR
Checked By:	JCK

2.4

March 21, 2022  
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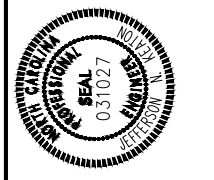
Double H Farms Mitigation Site Record Drawings  
Alleghany County, North Carolina

UT5  
Planting

Date:	March 21, 2022
Job Number:	005-02174
Project Engineer:	JNK
Drawn By:	AMR
Checked By:	JCK

Revisions:


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1495 MILLS AVE. SUITE 104  
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Firm License No. F-0831



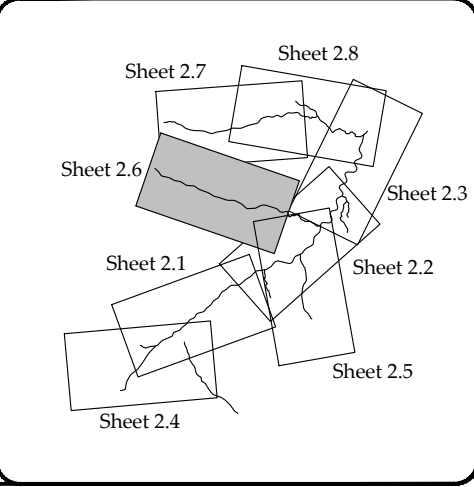
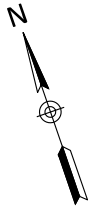
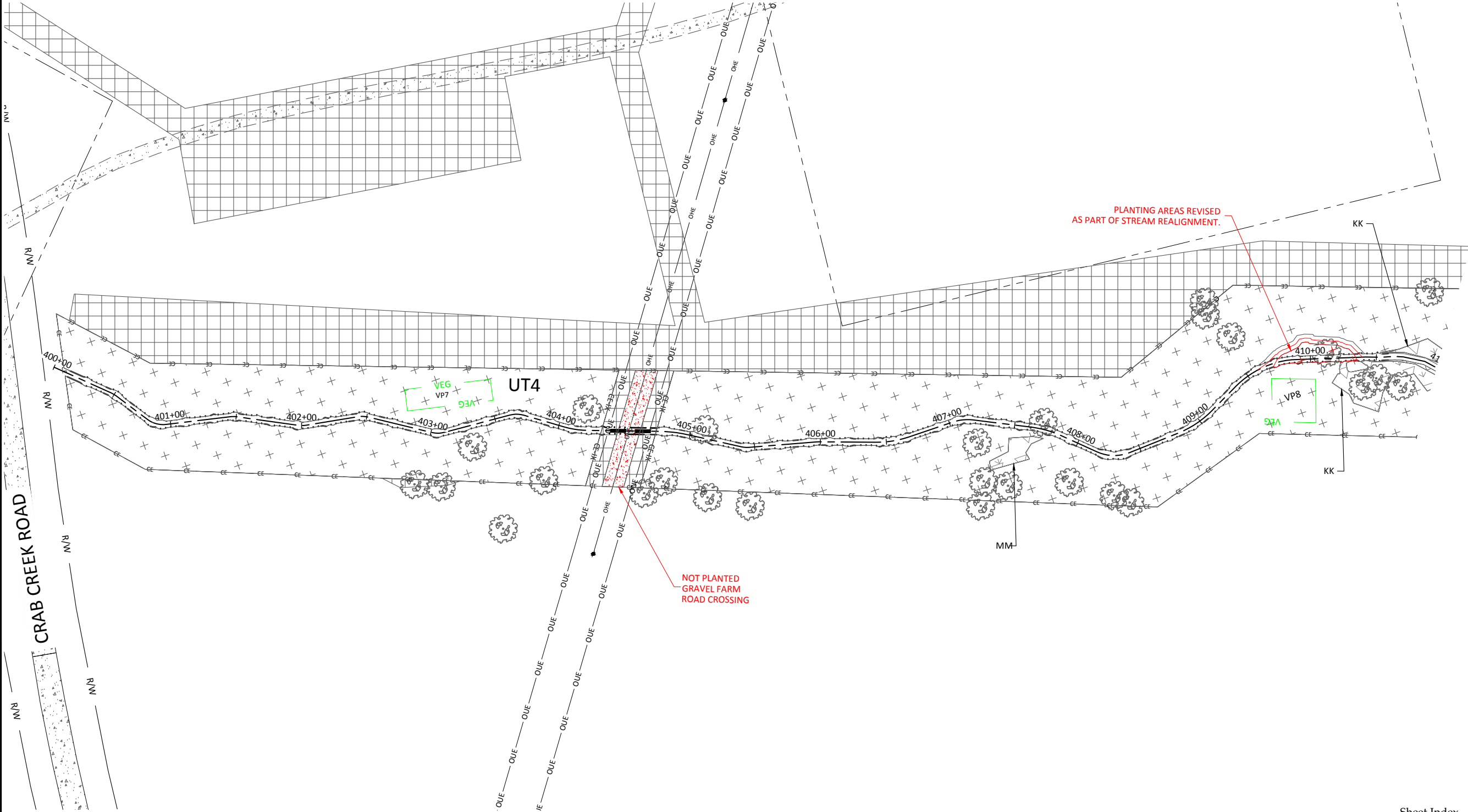
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March 21, 2022

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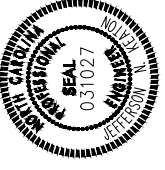
Double H Farms Mitigation Site Record Drawings  
Alleghany County, North Carolina

UT4  
Planting

Date:	March 21, 2022
Job Number:	005-02174
Project Engineer:	JNK
Drawn By:	AMR
Checked By:	JCK

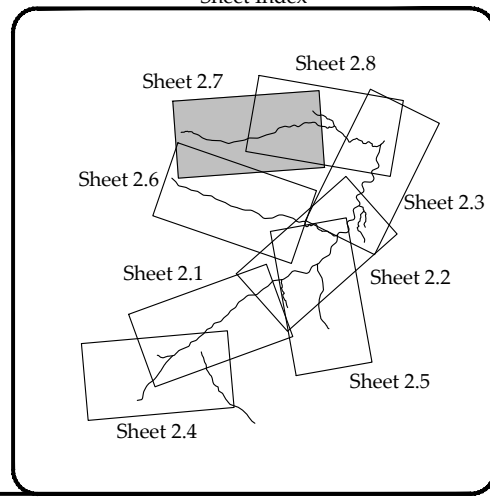
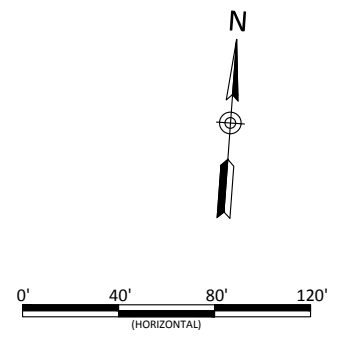
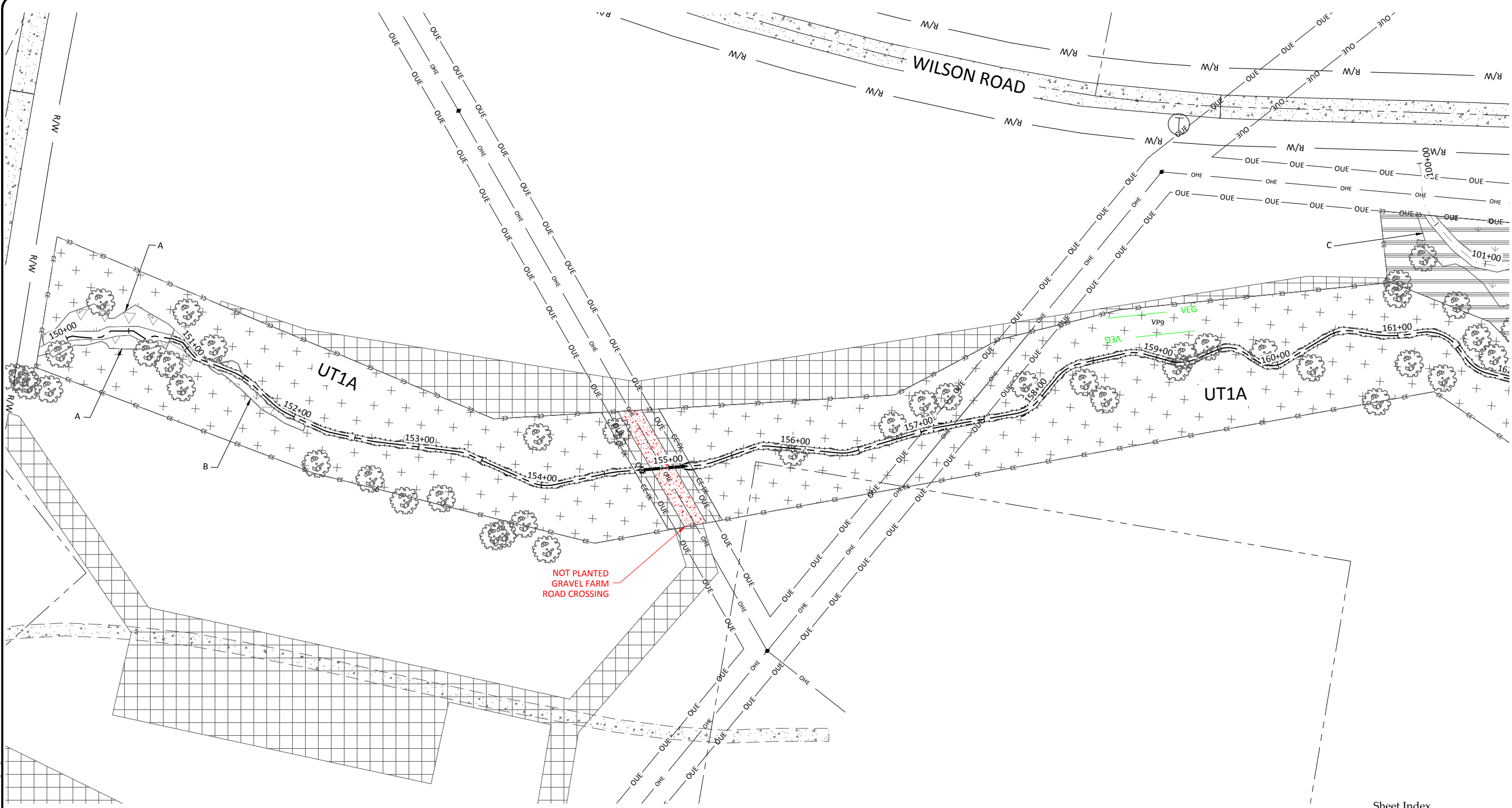
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Sheet



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1493 S. Mills Ave., Suite 104  
Chapel Hill, NC 27514  
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March 21, 2022  
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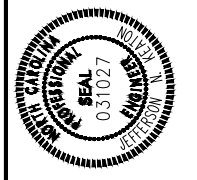
Double H Farms Mitigation Site Record Drawings  
Allegheny County, North Carolina

UT1A  
Planting

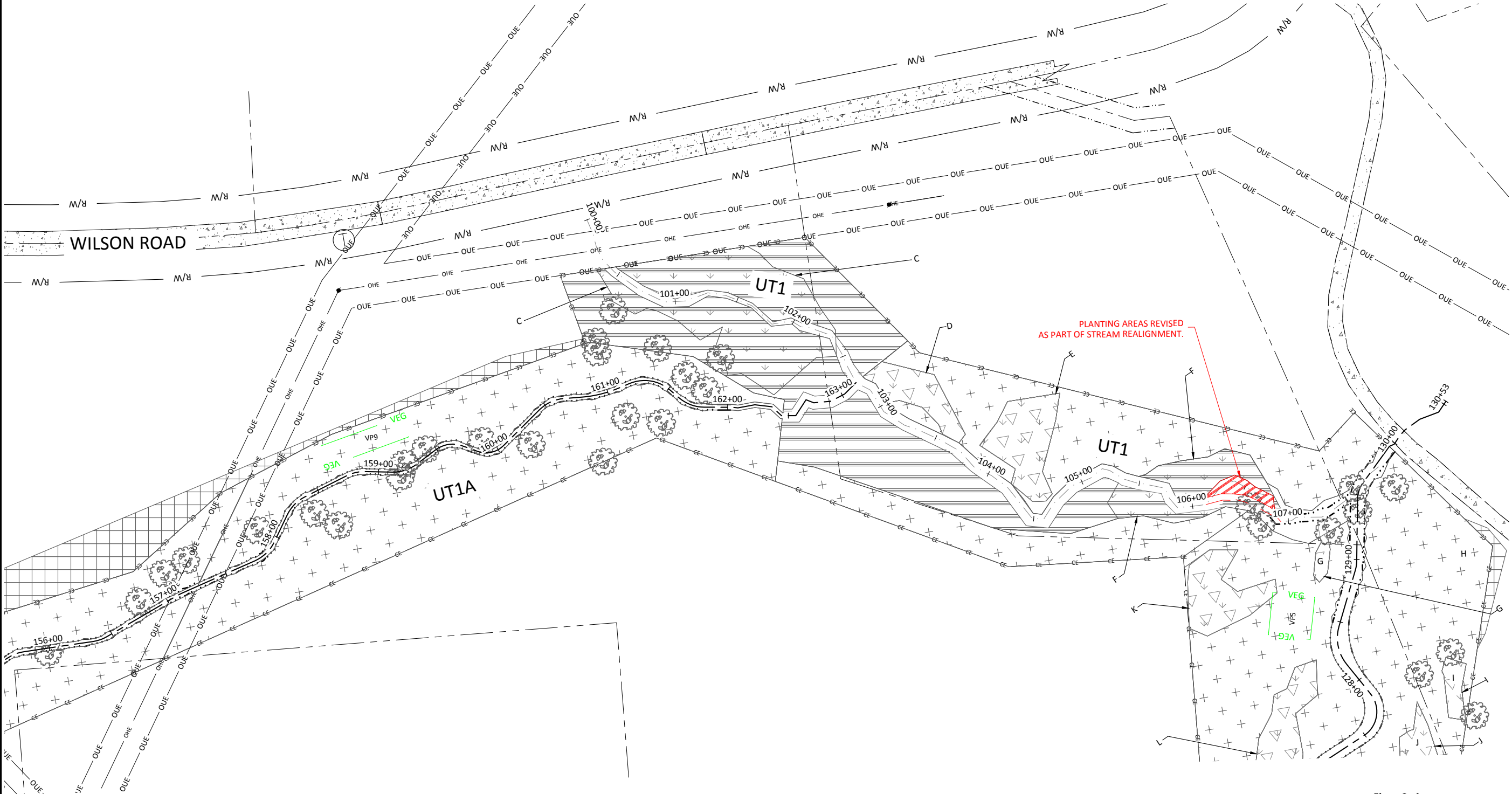
Date:	March 21, 2022
Job Number:	005-02174
Project Engineer:	JNK
Drawn By:	AMR
Checked By:	JCK

Revisions:	

2.7  
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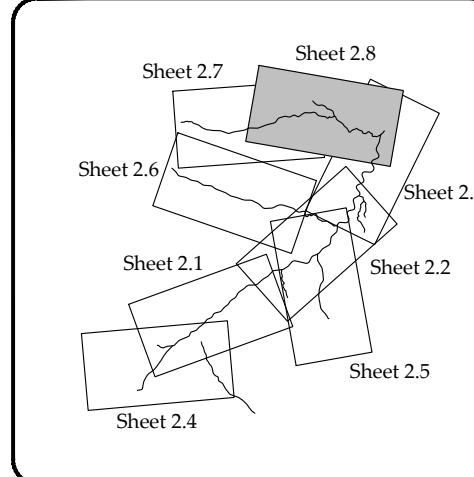
**WILDLANDS**  
ENGINEERING  
1493 S. MILLS AVE., SUITE 104  
CHARLOTTE, NC 28203  
Tel: 704.332.7754  
Fax: 704.332.3506  
Firm License No. F-0831



PLANTING AREAS REVISED AS PART OF STREAM REALIGNMENT.



Sheet Index



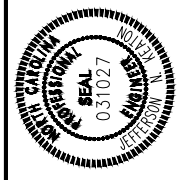
Double H Farms Mitigation Site Record Drawings  
 Allegheny County, North Carolina

UT1 & UT1A  
 Planting

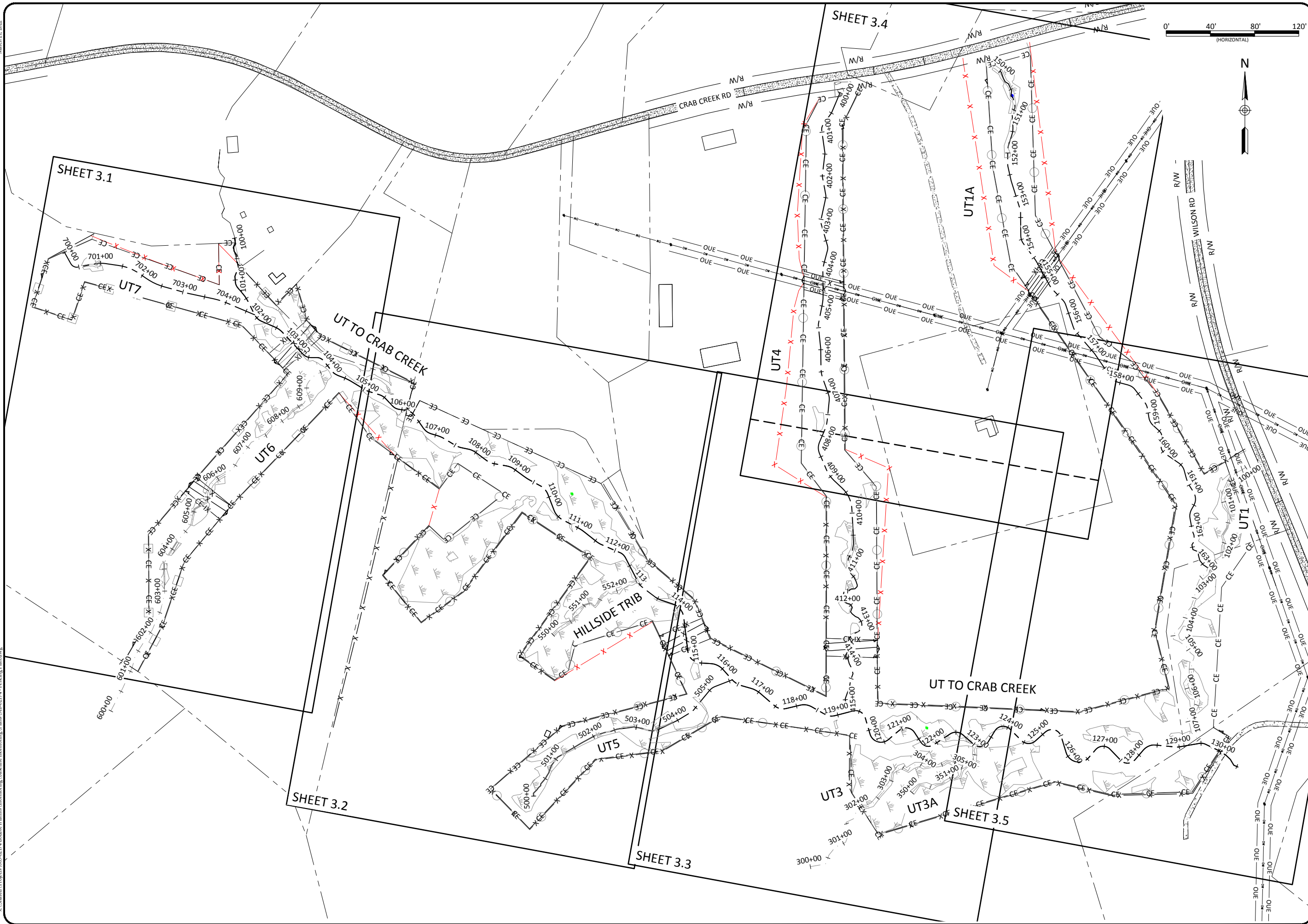
Date:	March 21, 2022
Job Number:	005-02174
Project Engineer:	JMK
Drawn By:	AMR
Checked By:	JCK

2.8

Sheet



**WILDLANDS**  
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 Tel: 704.332.7754  
 Fax: 704.332.3306  
 Firm License No. F-0831



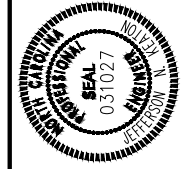
Double H Farms Mitigation Site Record Drawings  
 Allegheny County, North Carolina

Overview  
 Fencing Plan

Revisions:


Date: March 21, 2022  
 Job Number: 005-02174  
 Project Engineer: JNK  
 Drawn By: AMR  
 Checked By: JCK

3.0



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 Charlotte, NC 28203  
 Tel: 704.332.3306  
 Fax: 704.332.3306  
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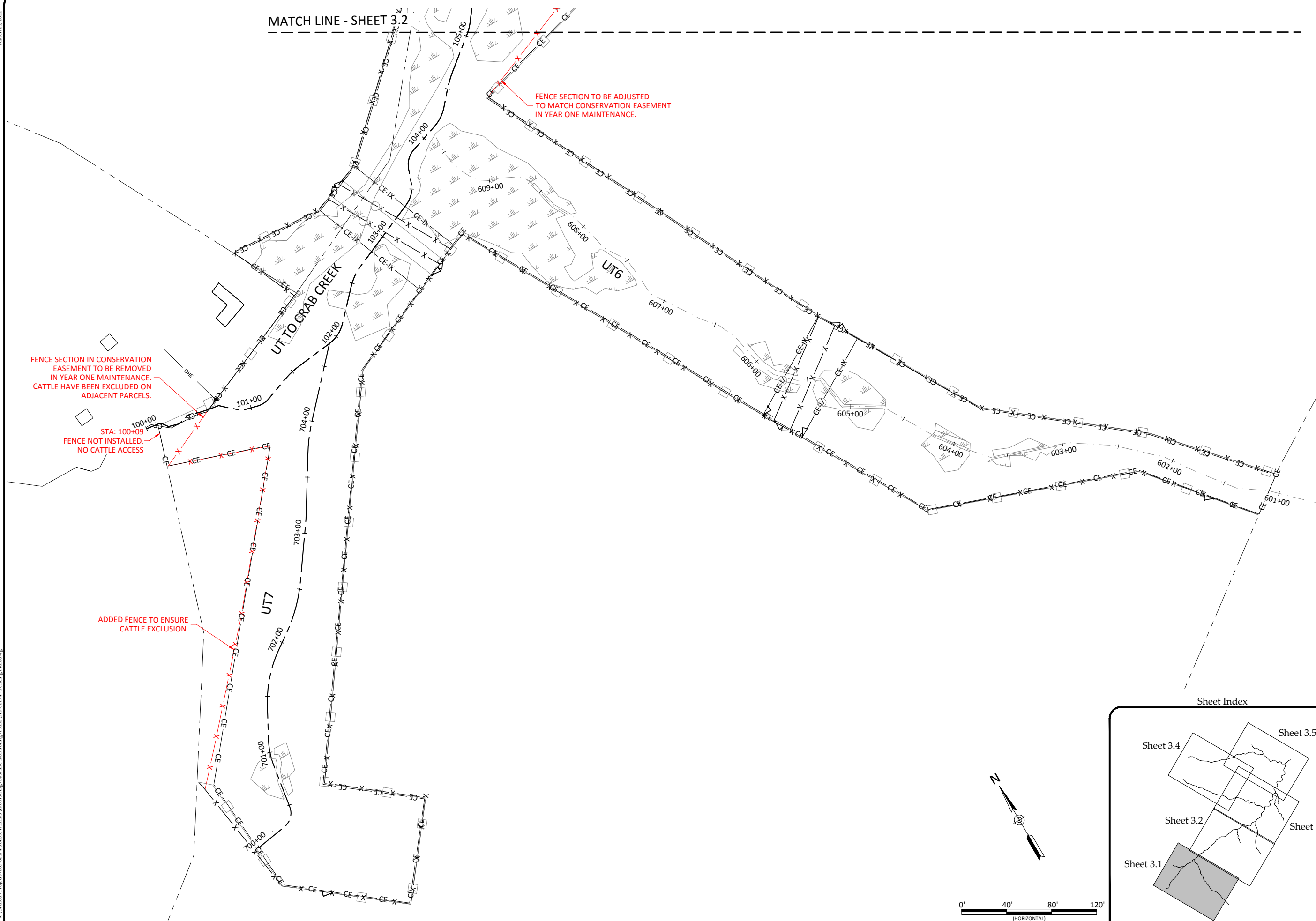
MATCH LINE - SHEET 3.2

FENCE SECTION TO BE ADJUSTED TO MATCH CONSERVATION EASEMENT IN YEAR ONE MAINTENANCE.

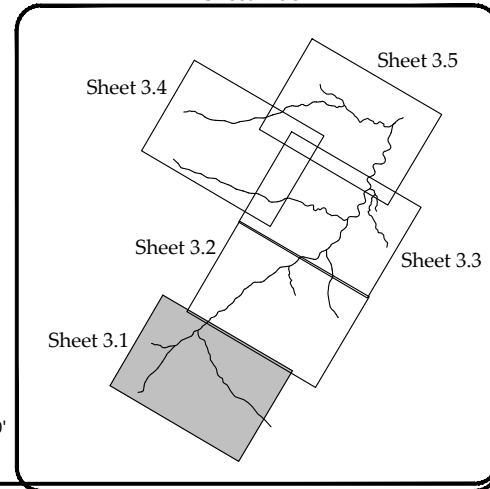
FENCE SECTION IN CONSERVATION EASEMENT TO BE REMOVED IN YEAR ONE MAINTENANCE. CATTLE HAVE BEEN EXCLUDED ON ADJACENT PARCELS.

STA: 100+09 FENCE NOT INSTALLED. NO CATTLE ACCESS

ADDED FENCE TO ENSURE CATTLE EXCLUSION.



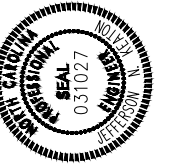
Sheet Index



Double H Farms Mitigation Site Record Drawings  
Alleghany County, North Carolina

UT6 & UT7  
Fencing Plan

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Firm License No. F-0831



Date:	March 21, 2022
Job Number:	005-02174
Project Engineer:	JNK
Drawn By:	AMR
Checked By:	JCK

3.1

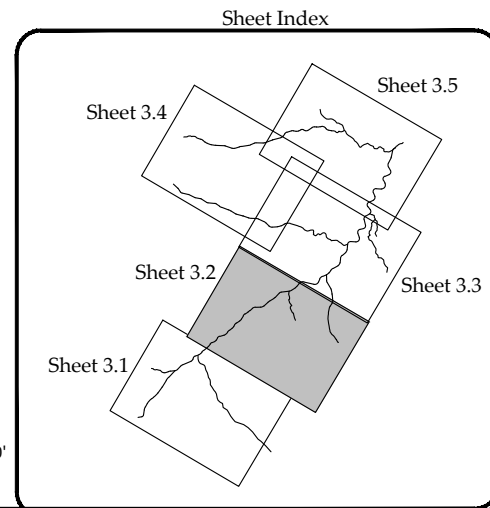
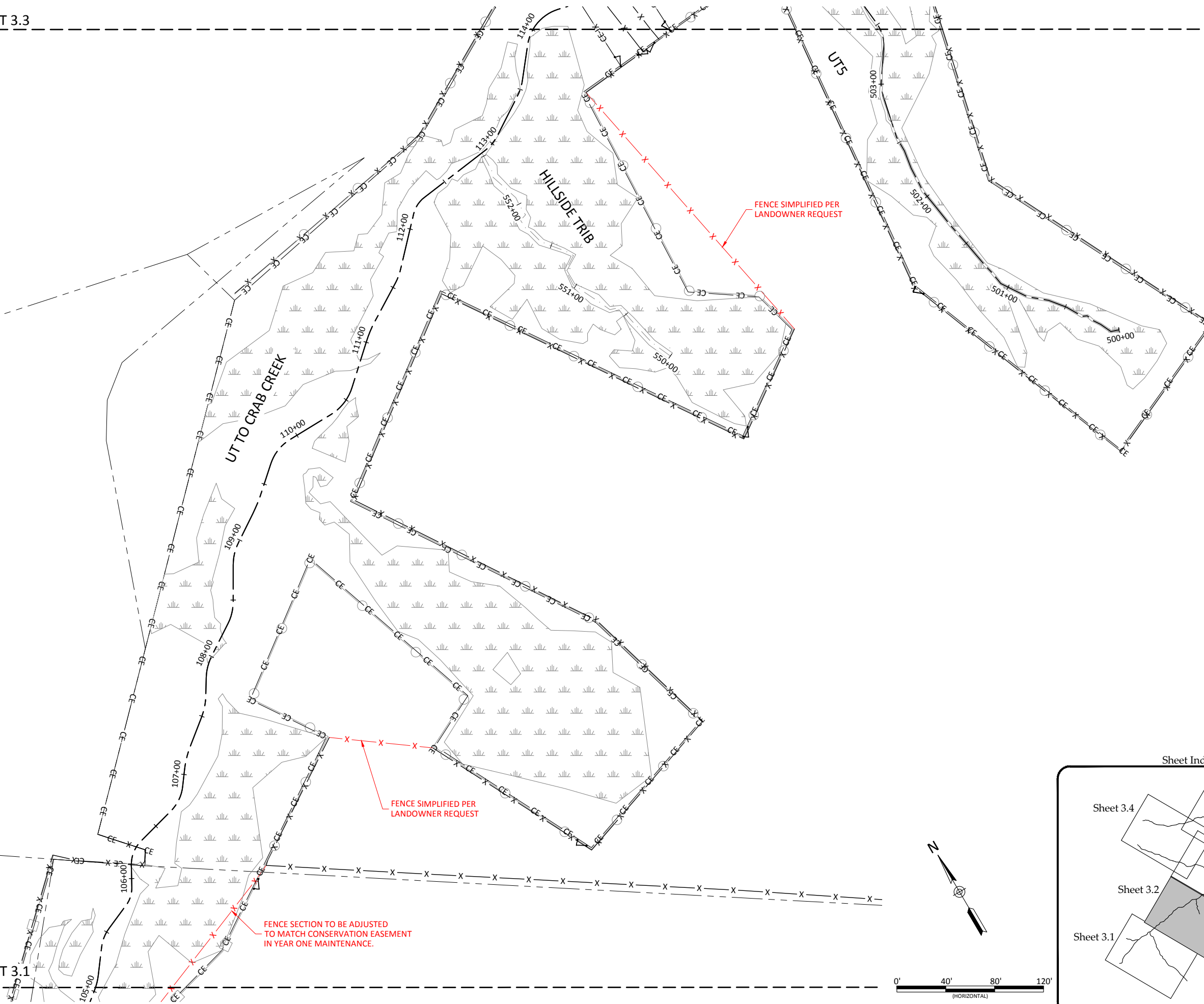
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March 21, 2022

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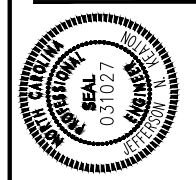
x:\Shared\Projects\005-02174\double h farms\imonitoring\baseline monitoring\Plans\AB-02174 - Fencing Plans.dwg

MATCH LINE - SHEET 3.1



Double H Farms Mitigation Site Record Drawings  
 Alleghany County, North Carolina  
 UT to Crab Creek, Hillside Trib, and UT5  
 Fencing Plan

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



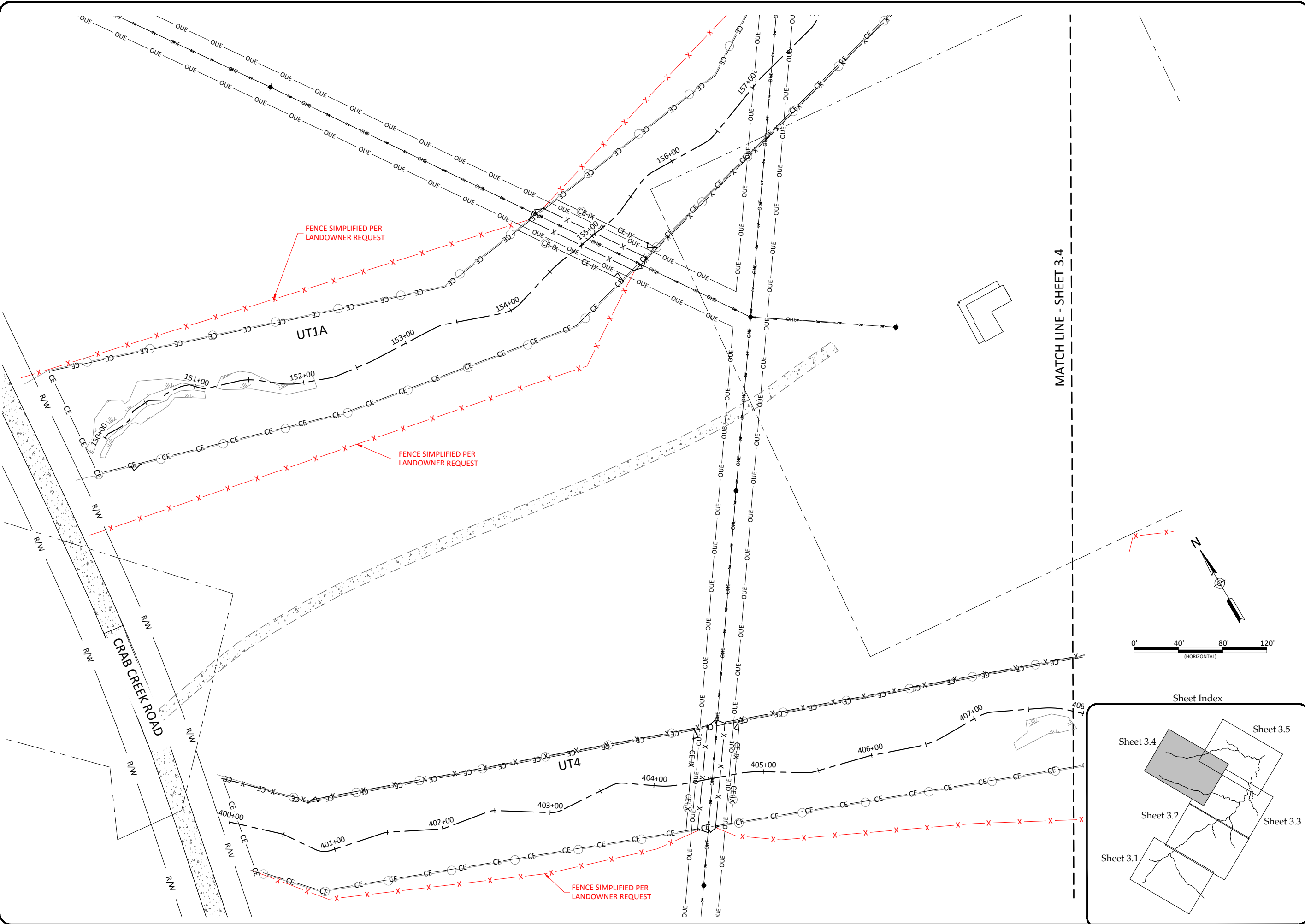
Revisions:


Date:	March 21, 2022
Job Number:	005-02174
Project Engineer:	JNK
Drawn By:	AMR
Checked By:	JCK

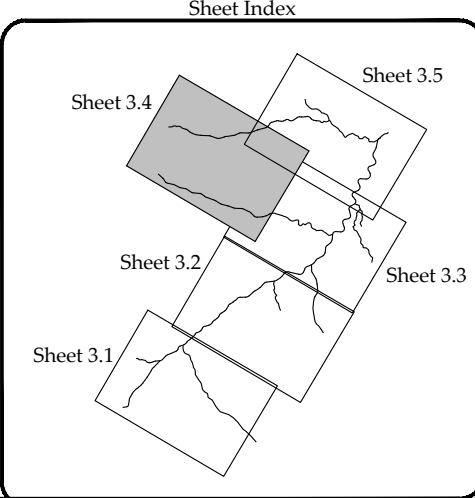
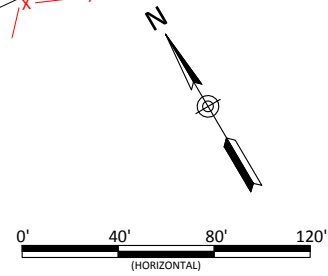
3.2

Sheet





MATCH LINE - SHEET 3.4



Double H Farms Mitigation Site Record Drawings  
 Alleghany County, North Carolina

UT4 & UT1A  
 Fencing Plan

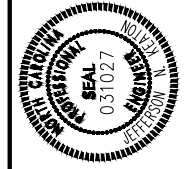
Date:	March 21, 2022
Job Number:	005-02174
Project Engineer:	JNK
Drawn By:	AMR
Checked By:	JCS

3.4

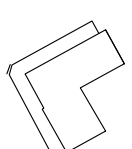
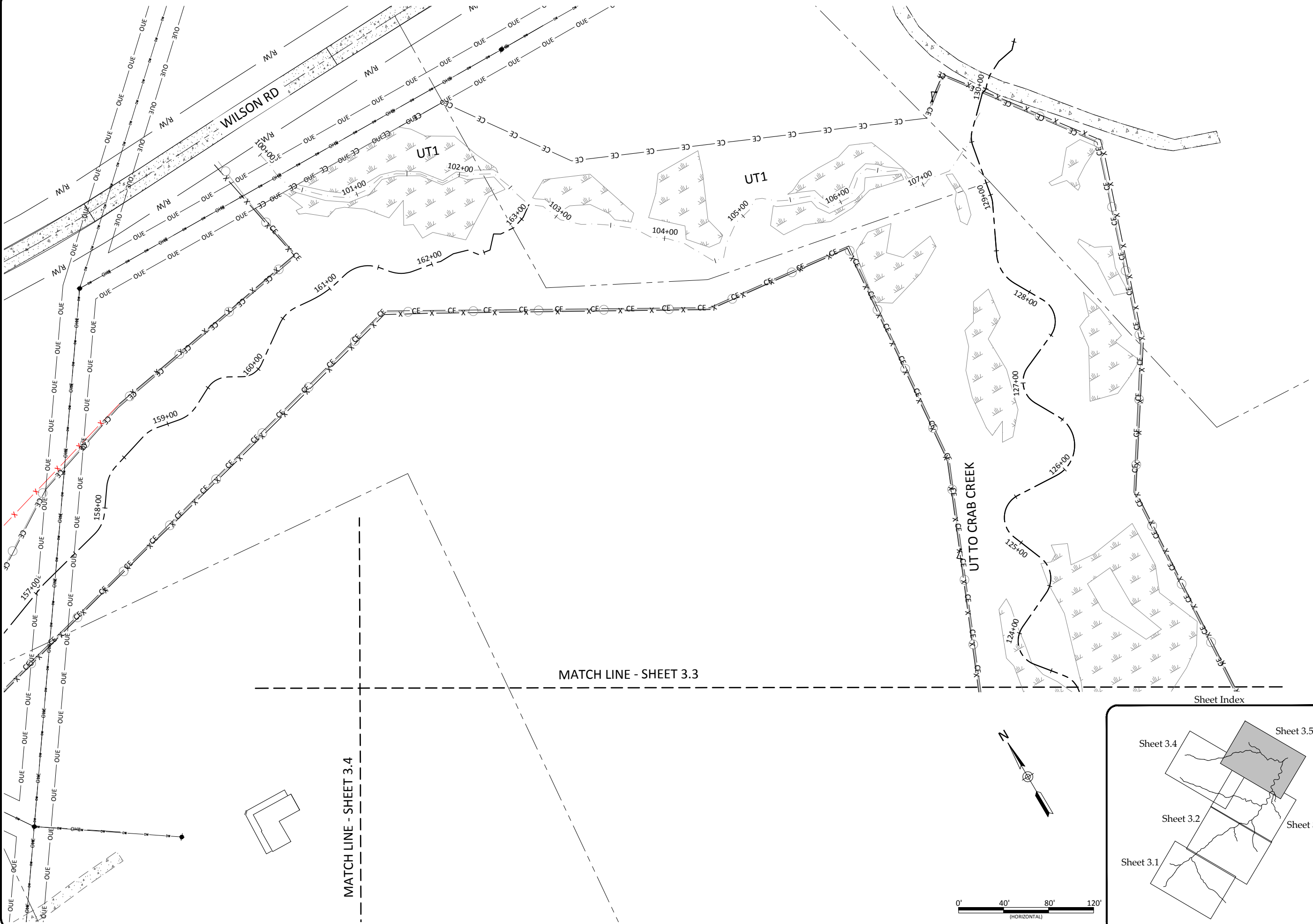
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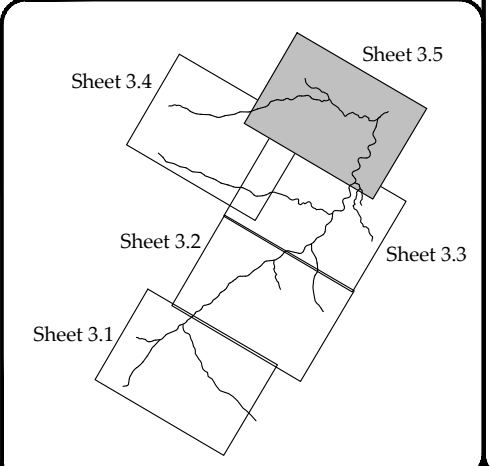
**WILLDLANDS**  
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 Charlotte, NC 28203  
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 Fax: 704.332.3306  
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0' 40' 80' 120'  
 (HORIZONTAL)



Double H Farms Mitigation Site Record Drawings  
 Allegheny County, North Carolina  
 UT1, UT1A, & UT to Crab Creek  
 Fencing Plan

Date:	March 21, 2022
Job Number:	005-02174
Project Engineer:	JMK
Drawn By:	AMR
Checked By:	JCS

3.5

Revisions: