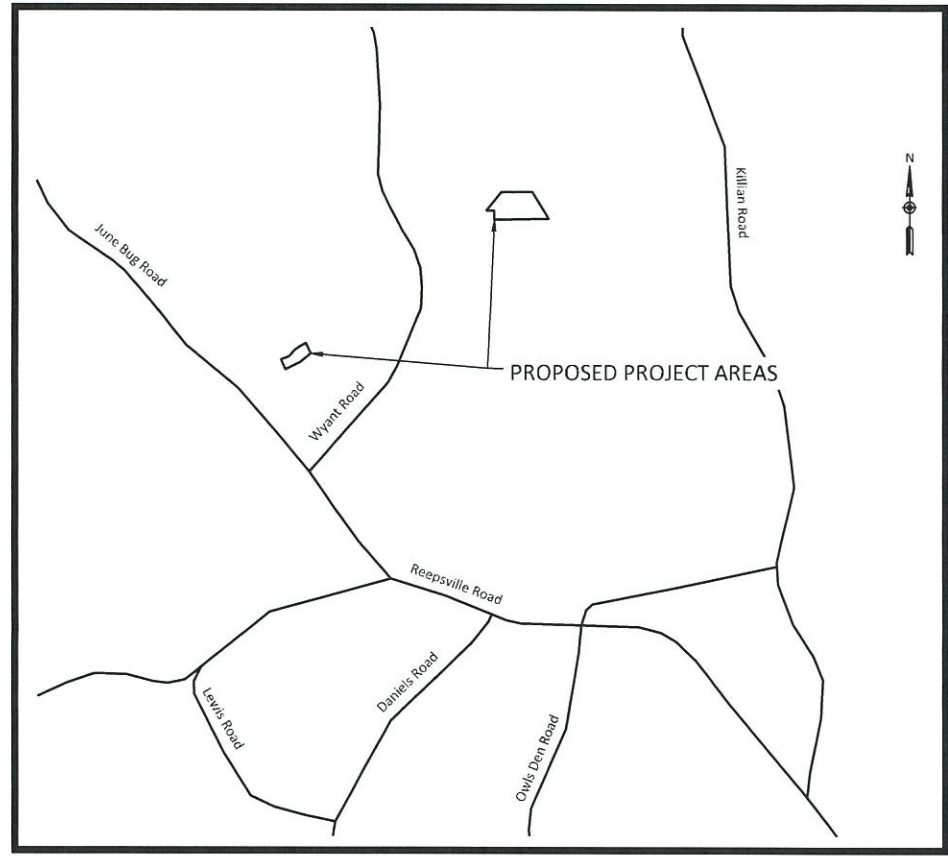


July 15, 2022

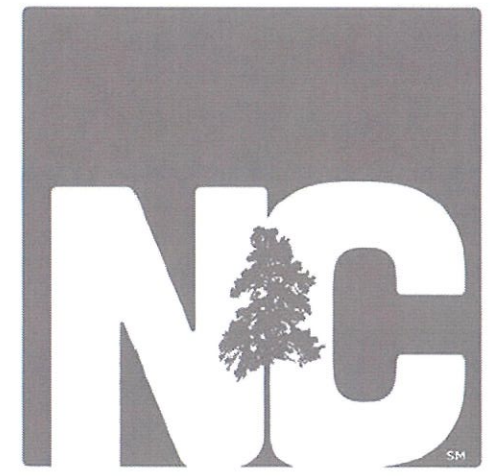
Wyant Lands Mitigation Site Phase II - Project Expansion Record Drawing

Lincoln County, North Carolina
for
NCDEQ
Division of Mitigation Services

WILDLANDS
ENGINEERING
167-B Haywood Road
Asheville, NC 28806
Tel: 865.207.8835
Fax: 704.332.3306
Firm License No. F-0831



Vicinity Map
Not to Scale



RECORD DRAWINGS
ISSUED July 15, 2022

Sheet Index

Title Sheet	0.1
Project Overview	0.2
General Notes and Symbols	0.3
UT2 Reach 1 Stream Plan and Profile	1.0
Wetland Grading	2.0 - 2.2
Planting Plan	3.0 - 3.2

Project Directory

Engineering: Wildlands Engineering, Inc License No. F-0831 167-B Haywood Road Asheville, NC 28806 Eric Neuhaus, PE	Owner: NCDEQ Division of Mitigation Services 1652 Mail Service Center Raleigh, NC 27699-1652 Paul Wiesner 828-273-1673
Surveying: Kee Mapping and Surveying, PA 111 Central Avenue Asheville, NC 28801 Brad Kee, PLS 828-575-9021	DMS ID No. 100595 NCDEQ Contract No. 7244 USACE Action ID No. SAW-2021-02449 NCDWR No. 20180177

Wyant Lands Mitigation Site Phase II - Project Expansion Record Drawing

Lincoln County, North Carolina

Title Sheet

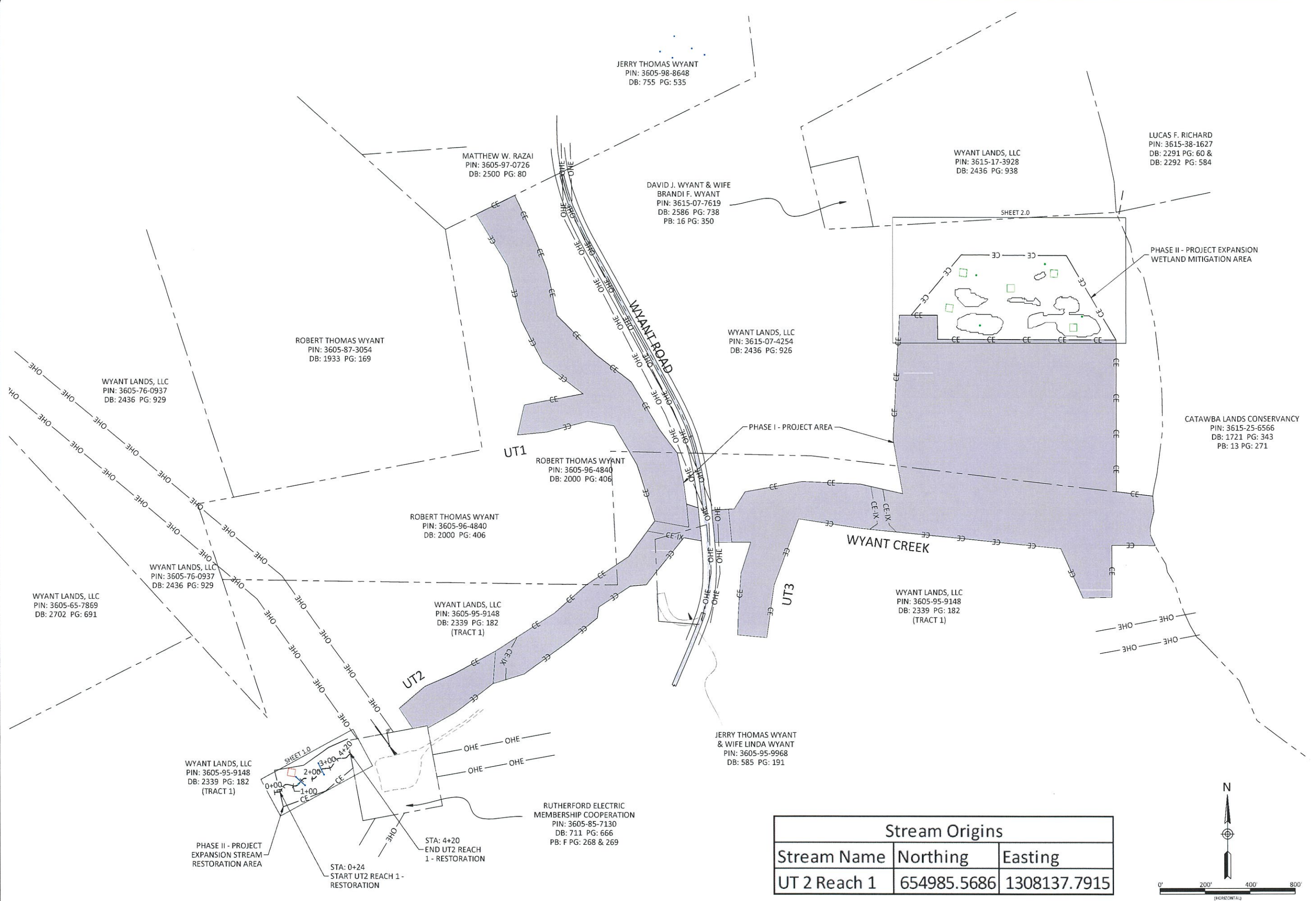
Revisions:

Date: 7/15/22
 Job Number: 015-02171
 Project Engineer: EFN
 Drawn By: SRK
 Checked By: EFN

0.1

Sheet

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JERRY THOMAS WYANT
PIN: 3605-98-8648
DB: 755 PG: 535

MATTHEW W. RAZAI
PIN: 3605-97-0726
DB: 2500 PG: 80

DAVID J. WYANT & WIFE
BRANDI F. WYANT
PIN: 3615-07-7619
DB: 2586 PG: 738
PB: 16 PG: 350

WYANT LANDS, LLC
PIN: 3615-17-3928
DB: 2436 PG: 938

LUCAS F. RICHARD
PIN: 3615-38-1627
DB: 2291 PG: 60 &
DB: 2292 PG: 584

ROBERT THOMAS WYANT
PIN: 3605-87-3054
DB: 1933 PG: 169

WYANT LANDS, LLC
PIN: 3605-76-0937
DB: 2436 PG: 929

WYANT LANDS, LLC
PIN: 3615-07-4254
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ROBERT THOMAS WYANT
PIN: 3605-96-4840
DB: 2000 PG: 406

ROBERT THOMAS WYANT
PIN: 3605-96-4840
DB: 2000 PG: 406

CATAWBA LANDS CONSERVANCY
PIN: 3615-25-6566
DB: 1721 PG: 343
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WYANT LANDS, LLC
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WYANT LANDS, LLC
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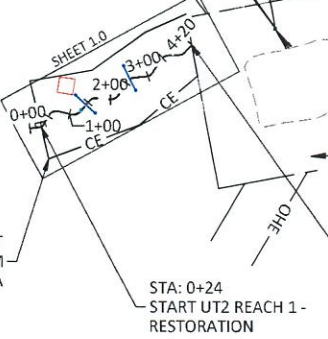
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(TRACT 1)

WYANT LANDS, LLC
PIN: 3605-95-9148
DB: 2339 PG: 182
(TRACT 1)

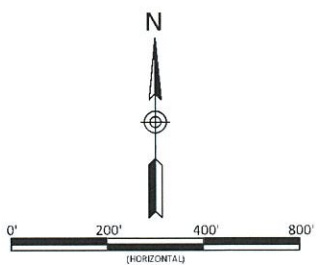
JERRY THOMAS WYANT
& WIFE LINDA WYANT
PIN: 3605-95-9968
DB: 585 PG: 191

RUTHERFORD ELECTRIC
MEMBERSHIP COOPERATION
PIN: 3605-85-7130
DB: 711 PG: 666
PB: F PG: 268 & 269

WYANT LANDS, LLC
PIN: 3605-95-9148
DB: 2339 PG: 182
(TRACT 1)



Stream Origins		
Stream Name	Northing	Easting
UT 2 Reach 1	654985.5686	1308137.7915



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Tel: 865.207.8835
Fax: 704.332.3306
Firm License No. F-0831



Wyant Lands Mitigation Site Phase II - Project Expansion Record Drawing
Lincoln County, North Carolina
Project Overview

Date:	7/15/22
Job Number:	05-02171
Project Engineer:	EFN
Drawn By:	SRK
Checked By:	JDV

0.2

Sheet

Pre-Construction Features

- Pre-Construction Major Contour
- Pre-Construction Minor Contour
- Pre-Construction Property Line
- Recorded Conservation Easement
- Pre-Construction Overhead Utility Easement
- Pre-Construction Overhead Electric
- Pre-Construction Power Pole
- Pre-Construction Farm Road
- Pre-Construction Jurisdictionally Delineated Wetlands
- Pre-Construction Asphalt Road
- Pre-Construction Riprap
- Pre-Construction Farm Pond

Design Features

- Design Thalweg Alignment
- Design Bankfull
- Design Conservation Easement
- Design Internal Crossing
- Design Major Contour
- Design Minor Contour

Design Structures

- Design Constructed Riffles Per Plans
- Design Brush Toe
- Design SPSC
- Design Wetland Ditch Plug
- Design Log Sill
- Design Rock Sill
- Design Wetland Rehabilitation
- Design Wetland Reestablishment
- Design Wetland Creation

As-Built Features

- As-Built Thalweg Alignment
- As-Built Bankfull
- Recorded Conservation Easement
- As-Built Major Contour
- As-Built Minor Contour
- As-Built Fencing
- As-Built Limits of Disturbance

Monitoring Features

- Photo Point
- Permanent Vegetation Plot
- Groundwater Gage
- Crest Gage
- Monitoring Cross Section

As-Built Structures

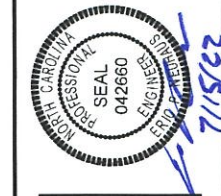
- As-Built Constructed Riffles Per Plans
- As-Built Brush Toe
- As-Built Log Sill
- As-Built Rock Sill
- As-Built Wetland Rehabilitation
- As-Built Wetland Reestablishment
- As-Built Wetland Creation
- As-Built Soil Road
- As-Built Rip Rap

PROJECT NOTES:

1. Topographic data provided by North Carolina Spatial Data Download. QL1 Lidar data from September 2016.
2. Lidar data supplemented by topographic survey provided by Kee Mapping and Surveying dated March 2019 and August 2021.
3. Survey data provided by Kee Mapping and Surveying dated May 2022.

NOTE:

1. DEVIATIONS FROM THE DESIGN WILL BE SHOWN IN RED.



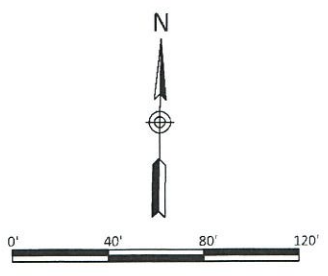
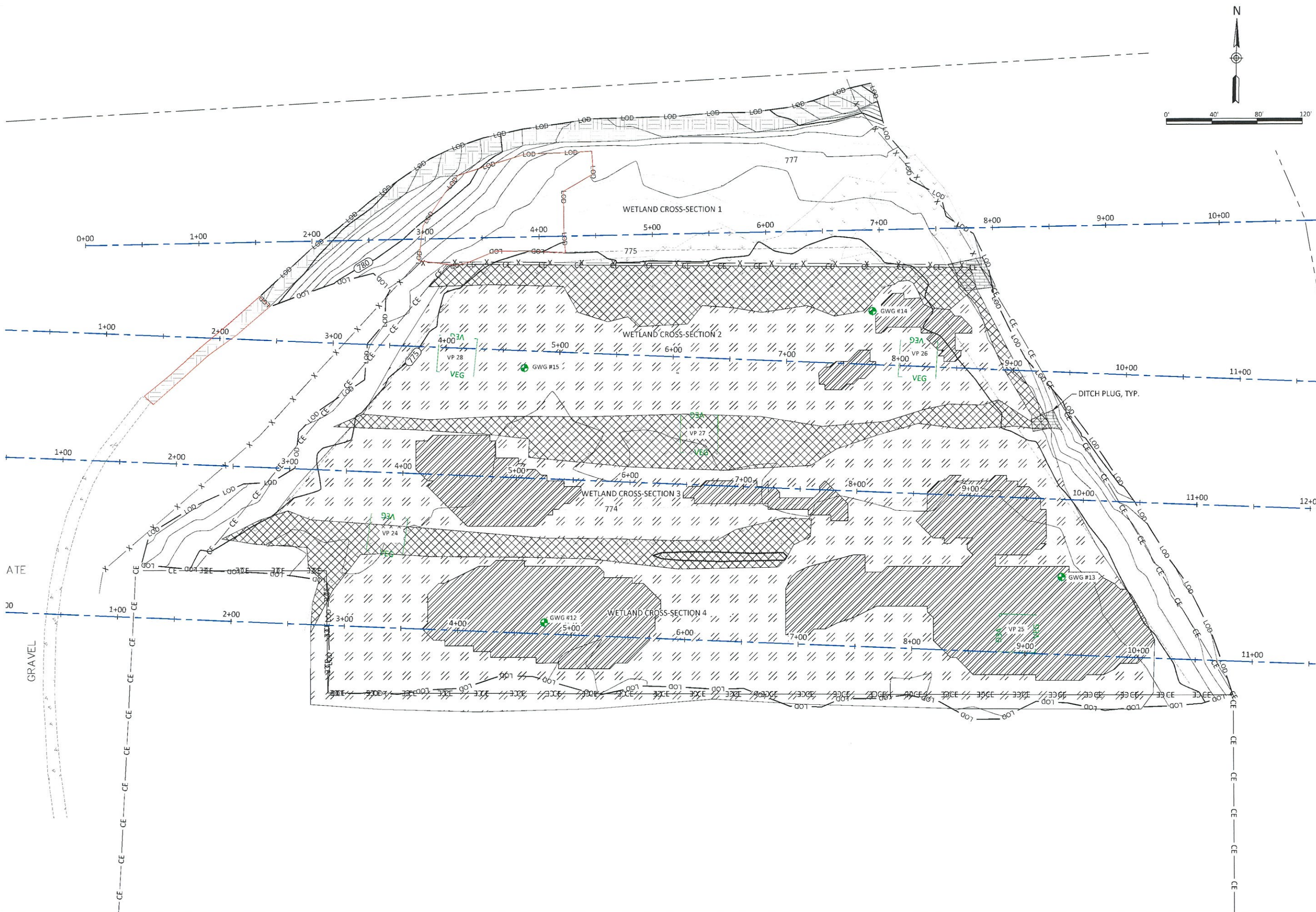
Wyant Lands Mitigation Site Phase II - Project Expansion Record Drawing
Lincoln County, North Carolina
General Notes and Symbols

Revisions:

Date:	7/15/22
Job Number:	005-02171
Project Engineer:	EJN
Drawn By:	SRK
Checked By:	EJN

0.3

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Tel: 865.207.8835
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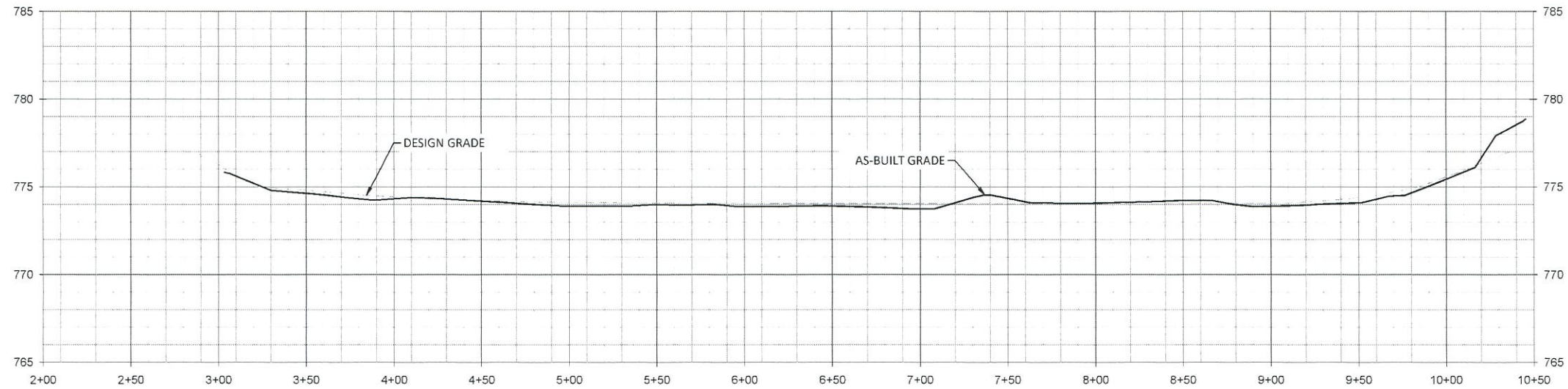
Wyant Lands Mitigation Site Phase II - Project Expansion Record Drawing
Lincoln County, North Carolina
Wetland Grading Overview

Date:	7/15/22
Job Number:	005-02171
Project Engineer:	EPN
Drawn By:	SRK
Checked By:	EPN

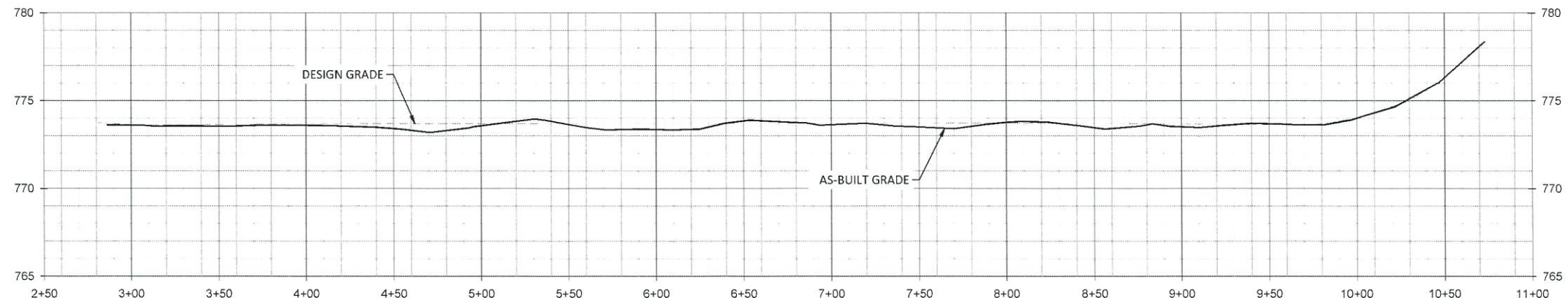
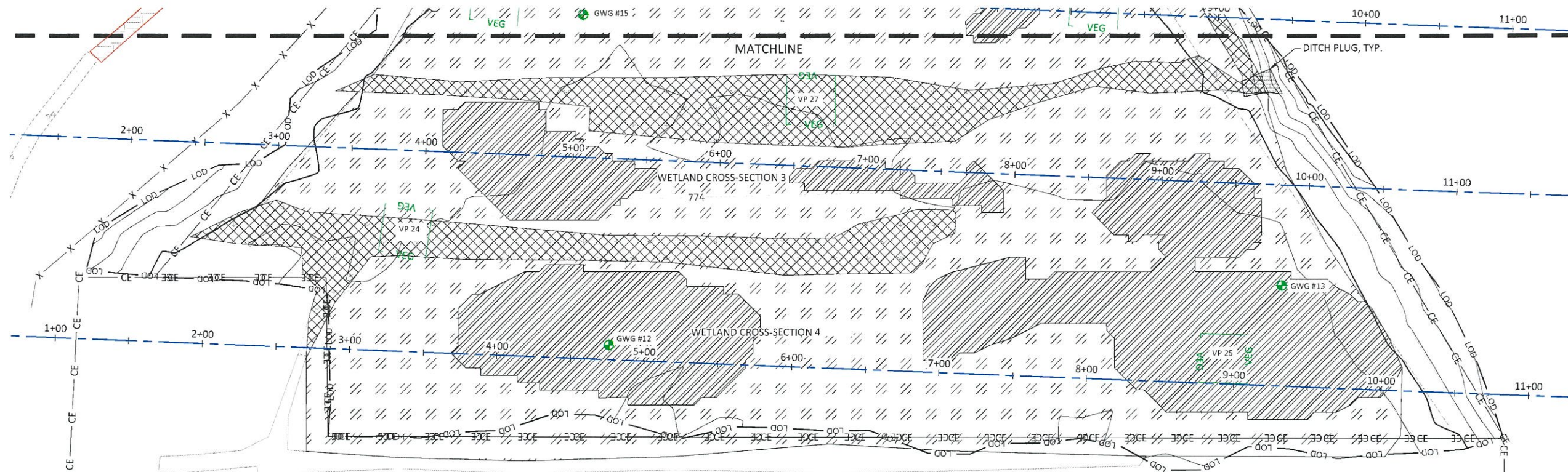
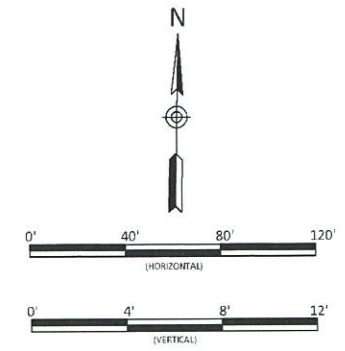
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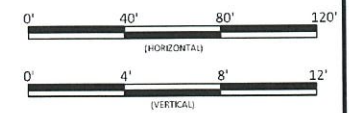
July 15, 2022



WETLAND CROSS-SECTION 3



WETLAND CROSS-SECTION 4



Wyant Lands Mitigation Site Phase II - Project Expansion Record Drawing

Lincoln County, North Carolina

Wetland Grading

Date:	7/15/22
Job Number:	015-02171
Project Engineer:	EPN
Drawn By:	SRK
Checked By:	ETN

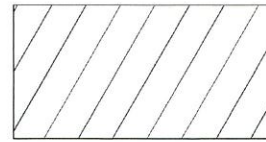
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Sheet

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ENGINEERING

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Asheville, NC 28806
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Fax: 704.332.3306
Firm License No. F-0831





RIPARIAN ZONE					
Species	Common Name	Spacing	Min. Caliper	Percentage	Wetland Indicator Status
Alnus serrulata	Tag Alder	12ft x 6ft	0.25"	5%	OBL
Carpinus caroliniana	American Hornbeam	12ft x 6ft	0.25"	10%	FAC
Liriodendron tulipifera	Tulip Poplar	12ft x 6ft	0.25"	5%	FACU
Platanus occidentalis	Sycamore	12ft x 6ft	0.25"	20% 15%	FACW
Betula nigra	River Birch	12ft x 6ft	0.25"	15%	FACW
Populus deltoides	Eastern Cottonwood	12ft x 6ft	0.25"	10%	FAC
Diospyros virginiana	Persimmon	12ft x 6ft	0.25"	10%	FAC
Quercus nigra	Water Oak	12ft x 6ft	0.25"	5% 10%	FAC
Quercus phellos	Willow Oak	12ft x 6ft	0.25"	10%	FAC
Quercus michauxii	Swamp Chestnut Oak	12ft x 6ft	0.25"	10% 5%	FACW
Aronia arbutifolia	Red Chokeberry	12ft x 16ft	0.25"	2%	FACW
Hamamelis virginiana	Witch Hazel	12ft x 16ft	0.25"	2%	FACU
Morus rubra	Red Mulberry	12ft x 16ft	0.25"	2%	FACU
Lindera benzoin	Spicebush	12ft x 16ft	0.25"	2%	FAC
Oxydendrum arboreum	Sourwood	12ft x 16ft	0.25"	5%	UPL
Asimina triloba	Paw Paw	12ft x 16ft	0.25"	2%	FAC



WETLAND PLANTING ZONE					
Species	Common Name	Spacing	Min. Caliper	Percentage	Wetland Indicator Status
Platanus occidentalis	Sycamore	12ft x 12ft	0.25"	11% 15%	FACW
Quercus phellos	Willow Oak	12ft x 12ft	0.25"	17%	FAC
Betula nigra	River Birch	12ft x 12ft	0.25"	11% 15%	FACW
Quercus michauxii	Swamp Chestnut Oak	12ft x 12ft	0.25"	17% 10%	FACW
Sambucus canadensis	Elderberry	12ft x 12ft	0.25"	10% 5%	FAC
Alnus serrulata	Tag Alder	12ft x 12ft	0.25"	10% 5%	OBL
Cephalanthus occidentalis	Common Buttonbush	12ft x 12ft	0.25"	12% 5%	OBL
Rosa palustris	Swamp rose	12ft x 12ft	0.25"	12%	OBL
Salix nigra	Black Willow	12ft x 12ft	0.25"	15%	OBL
Nyssa sylvatica	Black Gum	12ft x 12ft	0.25"	10%	FAC
Acer negundo	Box Elder	12ft x 12ft	0.25"	15%	FAC
Salix sericea	Silky Willow	12ft x 12ft	0.25"	5%	OBL

Stabilization Seeding		
Scientific Name	Common Name	lb/acre
Festuca arundinacea	Tall Fescue	80

NOTE:
1. "STABILIZATION SEEDING" IS FOR AREAS OF DISTURBANCE OUTSIDE CONSERVATION EASEMENT.

STREAM BANK PLANTING ZONE - Live Stakes					
Species	Common Name	Indiv. Spacing	Min. Caliper	Percentage	Wetland Indicator Status
Cephalanthus occidentalis	Common Buttonbush	3-5 ft	0.5"	20%	OBL
Salix sericea	Silky Willow	3-5 ft	0.5"	40% 20%	OBL
Physocarpus opulifolius	Ninebark	3-5 ft	0.5"	20%	FACW
Sambucus canadensis	Elderberry	3-5 ft	0.5"	20%	FAC
Cornus amomum	Silky Dogwood	3-5 ft	0.5"	20%	FACW
Salix nigra	Black Willow	3-5ft	0.5"	40%	OBL

STREAM BANK ZONE - Herbaceous Plugs				
Species	Common Name	Indiv. Spacing	Percentage	Wetland Indicator Status
Juncus effusus	Common Rush	4 ft	40%	FACW
Carex alata	Broadwing Sedge	4 ft	20%	OBL
Carex lurida	Lurid Sedge	4 ft	15%	OBL
Scirpus cyperinus	Woolgrass	4 ft	15%	FACW
Carex crinita	Fringed Sedge	4 ft	10%	OBL

Permanent Riparian Seeding					
Pure Live Seed (22 lbs/acre mix)					
Approved Date	Species Name	Common Name	Stratum	Density (lbs/acre)	Wetland Indicator Status
All Year	Schizachyrium scoparium	Little Bluestem	Herb	4.0	FACU
All Year	Rudbeckia hirta	Blackeyed Susan	Herb	1.0	FACU
All Year	Carex vulpinoidea	Fox Sedge	Herb	1.0	OBL
All Year	Panicum clandestinum	Deertongue	Herb	3.0	FAC
All Year	Elymus virginicus	Virginia Wild Rye	Herb	3.0	FACW
All Year	Sorghastrum nutans	Indiangrass	Herb	3.0	FACU
All Year	Coreopsis lanceolata	Lanceleaf coreopsis	Herb	1.0	FACU
All Year	Bidens aristosa	Bur-marigold	Herb	1.0	FACW
All Year	Panicum rigidulum	Redtop Panicgrass	Herb	1.0	FACW
All Year	Helianthus angustifolius	Narrowleaf sunflower	Herb	1.0	FACW
All Year	Coreopsis tinctoria	Plains coreopsis	Herb	1.0	FAC
All Year	Panicum virgatum	Switchgrass	Herb	2.0	FAC

NOTE:
1. PERMANENT RIPARIAN SEEDING IN ALL DISTURBED AREAS WITHIN CONSERVATION EASEMENT

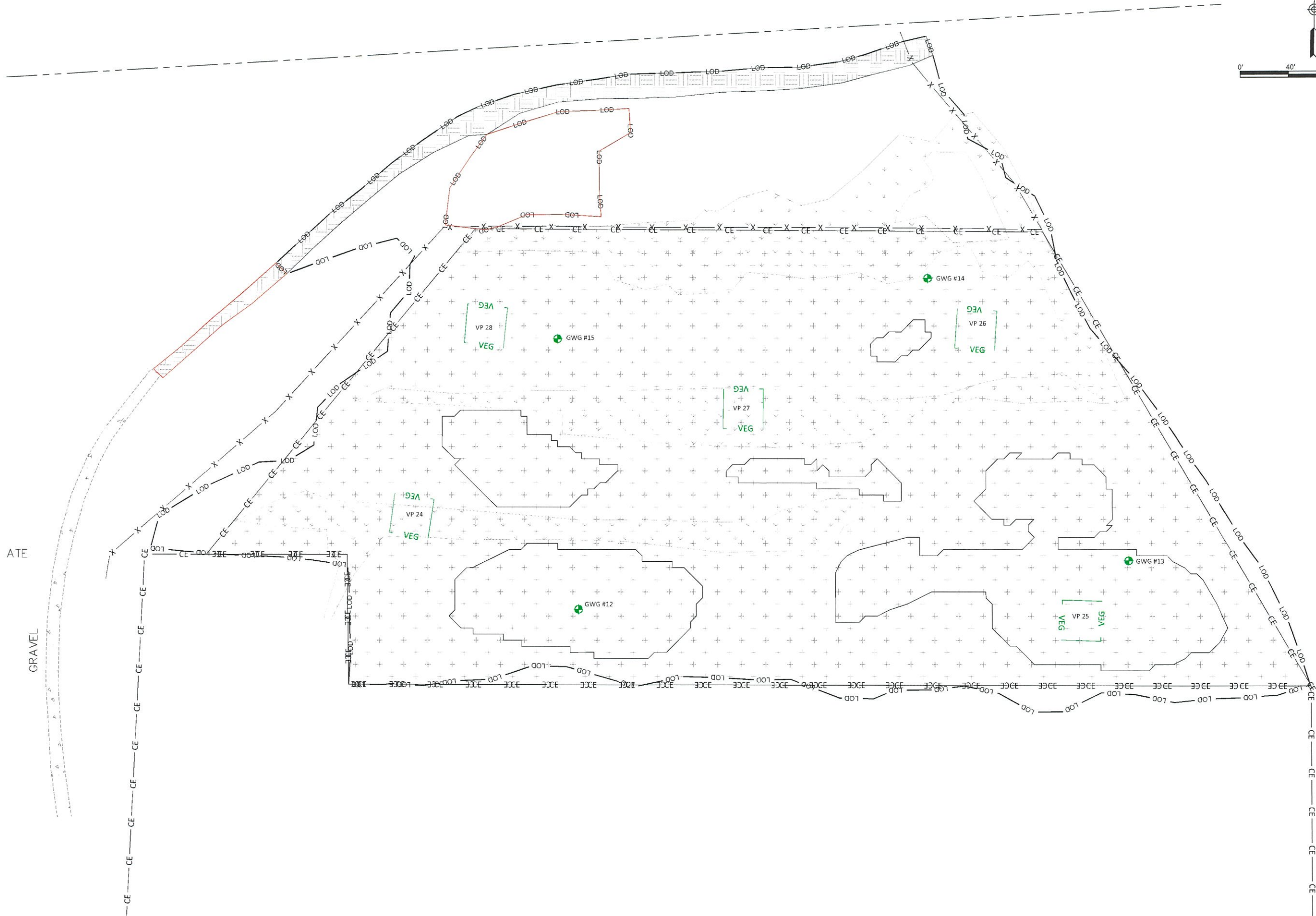
TEMPORARY SEEDING		
APPROVED DATE	TYPE	PLANTING RATE (lbs/acre)
Jan 1 – May 1	Rye Grain (Secale Cereale)	120
	Ground Agricultural Limestone	2,000
	10-10-10 Fertilizer	750
	Straw Mulch	4,000
May 1 – Aug 15	German Millet (Setaria italica)	40
	Ground Agricultural Limestone	2,000
	10-10-10 Fertilizer	750
	Straw Mulch	4,000
Aug 15 – Dec 31	Rye Grain (Secale Cereale)	120
	Ground Agricultural Limestone	2,000
	10-10-10 Fertilizer	1,000
	Straw Mulch	4,000



Revisions:

\\s\shared\Projects\005-59174 - Wyant Lands Mitigation Site\Monitor\Baseline\Monitor - 002\Plans\04\PL-AB-Profiles.dwg

July 15, 2022



Revisions:

Date: 7/15/22
 Job Number: W15-02171
 Project Engineer: EFN
 Drawn By: SBK
 Checked By: EFN

3.1

Sheet

Wyant Lands Mitigation Site Phase II - Project Expansion Record Drawing
 Lincoln County, North Carolina
 Wetland Planting
 Planting Plan



WILDLANDS
 ENGINEERING
 167 B Haywood Road
 Asheville, NC 28806
 Tel: 865.207.8835
 Fax: 704.332.3306
 Firm License No. F-0831



Date:	7/15/22
Job Number:	06E-0272
Project Engineer:	ETN
Drawn By:	SRK
Checked By:	ETN

Revisions:	

Wyant Lands Mitigation Site Phase II - Project Expansion Record Drawing
 Lincoln County, North Carolina
 UT2 Reach 1 Planting
 Planting Plan



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 Asheville, NC 28806
 Tel: 865.207.8835
 Fax: 704.332.3306
 Firm License No. F-0831

CERTIFICATE OF SURVEY AND ACCURACY

I, PHILLIP B. KEE, CERTIFY THAT THE GROUND TOPOGRAPHIC SURVEY PORTION OF THIS PROJECT WAS COMPLETED UNDER MY DIRECT SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY DIRECT SUPERVISION; THAT THIS SURVEY WAS PERFORMED AT THE 95% CONFIDENCE LEVEL TO MEET THE FEDERAL GEOGRAPHIC DATA COMMITTEE STANDARDS; THAT THIS SURVEY WAS PERFORMED TO THE CLASS A HORIZONTAL AND CLASS C VERTICAL WHERE APPLICABLE; THAT THE ORIGINAL DATA WAS OBTAINED BETWEEN THE DATES OF 04/25/22-04/27/22; THAT THE CONTOURS SHOWN AS BROKEN LINES MAY NOT MEET THE STATED STANDARD AND ALL COORDINATES ARE BASED ON NAD 83 (NSRS 2011) AND ALL ELEVATIONS ARE BASED ON NAVD 88; THAT THE GPS PORTION OF THIS PROJECT WAS TO PERFORM A GRID TIE TO THE NC STATE PLANE COORDINATE SYSTEM AND THE INFORMATION USED IS SHOWN & NOTED HEREON; THAT THIS MAP MEETS THE SPECIFICATIONS FOR TOPOGRAPHIC SURVEYS AS STATED IN TITLE 21, CHAPTER 56, SECTION .1606; THAT THIS MAP WAS NOT PREPARED IN ACCORDANCE WITH G.S. 47-30, AS AMENDED AND DOES NOT REPRESENT AN OFFICIAL BOUNDARY SURVEY.

GPS METADATA
SEE SURVEY CONTROL WLDLANDS ENGINEERING, INC. BY KEE MAPPING & SURVEYING, PA (LICENSE # C-3039); SIGNED, SEALED AND DATED ON JANUARY 9TH, 2019 BY NOLAN R. CARMACK, NC PLS (LICENSE #5076).

WITNESS MY ORIGINAL SIGNATURE, LICENSE NUMBER, AND SEAL THIS 16th DAY OF JUNE, 2022, A.D.

DocuSigned by:

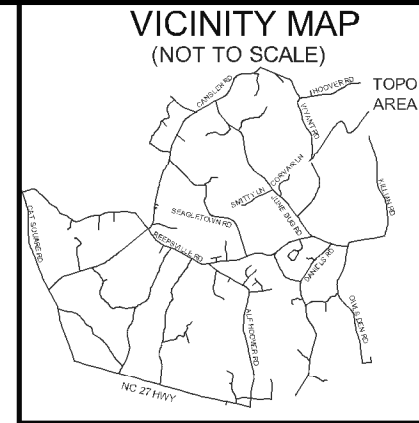
Phi K

PHILLIP B. KEE, PLS L-4847

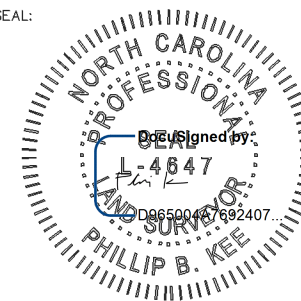
AN AS-BUILT SURVEY FOR: WILDLANDS ENGINEERING, INC "WYANT LANDS MITIGATION SITE PHASE II-PROJECT EXPANSION"

LINCOLN COUNTY, NORTH CAROLINA

SPO FILE NOS. 55-Y, 55-Z, 55-AA, 55AE
DMS SITE ID NO. 100067 & 100595



SEAL:



NOTE: SEE SHEET 1 FOR SURVEYOR'S NOTES, LEGEND & STATEMENT OF CERTIFICATION

ELEVATION DATUM: NAVD 88
CONTOUR INTERVAL: 1 FOOT

THIS IS A TOPOGRAPHIC SURVEY FOR INFORMATIONAL AND DESIGN PURPOSES ONLY. IT SHOULD NOT BE USED FOR CONVEYANCE OR LEGAL PURPOSES.

AN AS-BUILT SURVEY FOR:
WILDLANDS ENGINEERING, INC

SPO FILE NOS. 55-Y, 55-Z, 55-AA, 55-AE
DMS SITE ID NO. 100067 & 100595

PROJECT:
WYANT LANDS MITIGATION SITE PHASE II-PROJECT EXPANSION

SHEET TITLE:
PROJECT OVERVIEW

TOWNSHIP: HOWARDS CREEK	COUNTY: LINCOLN	STATE: NORTH CAROLINA
DRAWN BY: NH	CHECKED BY: PBK	SURVEY BY: PD, RR, HW, KP, AC

SCALE: AS SHOWN	SURVEY DATE: 06/16/22	
JOB: #2204045-AB	SHEET SIZE: 11" X 17" (HALF SIZE)	
#	DATE	REVISIONS

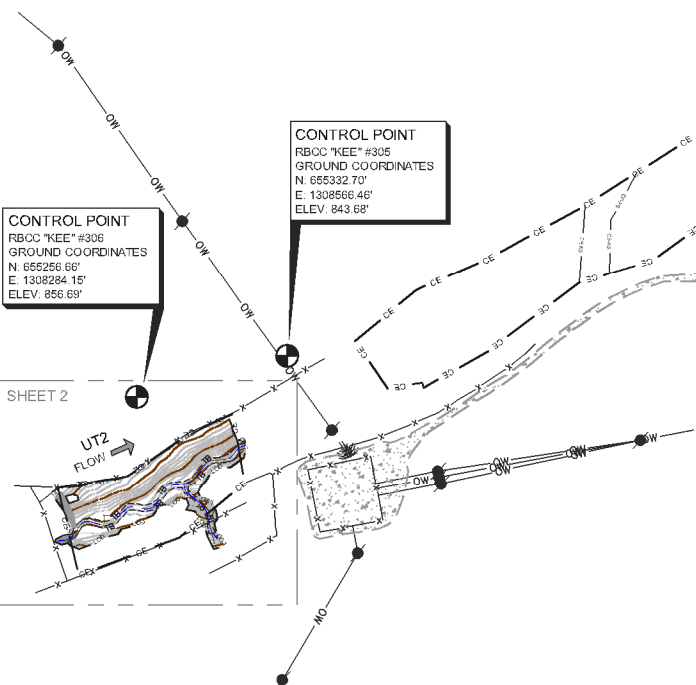
SHEET:

1 OF 7



P.O. Box 2566
Asheville, NC 28802
(828) 575-9021
www.keemap.com
License # C-3039

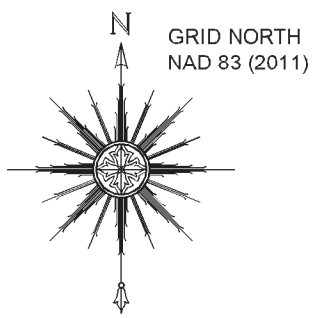
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2	"UT2 & BMP"
3	"WETLAND GRADING"
4	"WETLAND GRADING"
5	"WETLAND GRADING"
6	"CROSS-SECTION #19-20"
7	"LONGITUDINAL PROFILE: UT2 STA: 00+00-4+20"



SURVEYOR'S NOTES:

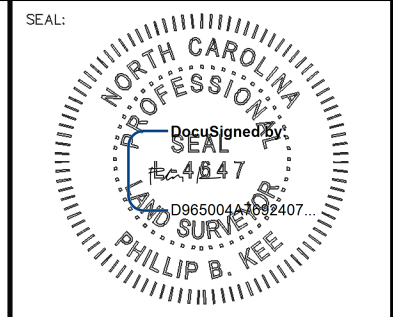
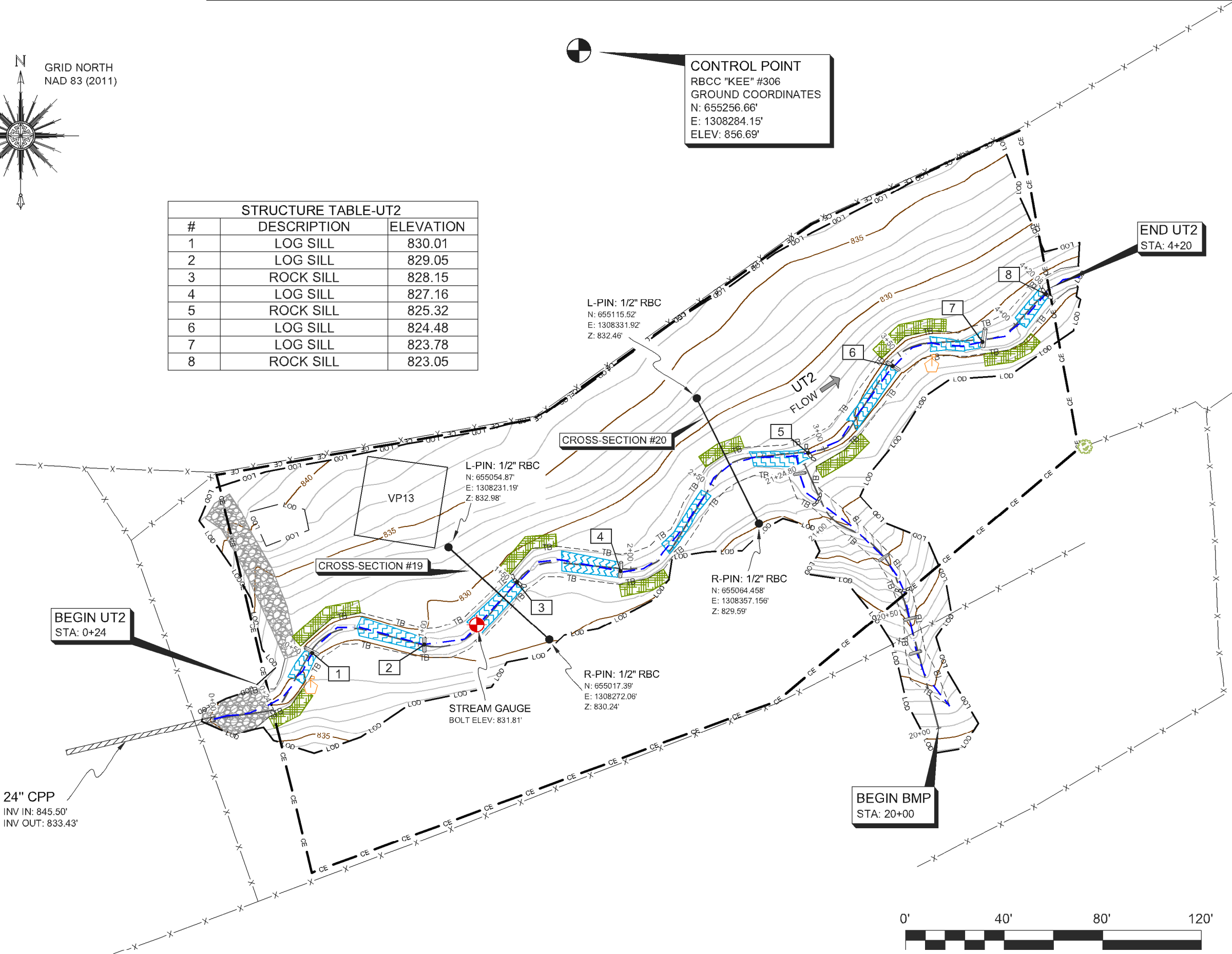
- ALL DISTANCES AND COORDINATES ARE GROUND MEASUREMENTS IN US SURVEY FEET UNLESS OTHERWISE NOTED.
- PROPERTY SUBJECT TO ALL EASEMENTS, RIGHT OF WAYS AND RESTRICTIONS THAT ARE RECORDED, UNRECORDED, WRITTEN AND UNWRITTEN.
- CONSERVATION EASEMENT BOUNDARIES SHOWN HEREON WERE TAKEN FROM PLATS OF SURVEY ENTITLED: "A CONSERVATION EASEMENT SURVEY FOR THE STATE OF NORTH CAROLINA, DIVISION OF MITIGATION SERVICES "WYANT LANDS MITIGATION SITE" AND RECORDED ON 05/01/2020, IN PLAT BOOK 18, PAGES 108-112 IN THE LINCOLN COUNTY REGISTRY AND "A CONSERVATION EASEMENT SURVEY FOR THE STATE OF NORTH CAROLINA, DIVISION OF MITIGATION SERVICES "WYANT LANDS: PHASE II-PROJECT EXPANSION DMS SITE ID 100595" AND RECORDED ON 12/30/2021, IN PLAT BOOK 21, PAGE 60 IN THE LINCOLN COUNTY REGISTRY.
- LINCOLN COUNTY GIS WEBSITE USED TO IDENTIFY ADJOINING PROPERTY OWNERS
- BY GRAPHIC DETERMINATION, A PORTION OF THE SUBJECT PROPERTY APPEARS TO LIE WITHIN A SPECIAL FLOOD HAZARD AREA (SFHA) AS DETERMINED BY THE FIRM MAP# 3710360400J DATED 8/16/2007.
- STATE PLANE COORDINATES AND ELEVATIONS WERE DERIVED FROM THE CONTROL SURVEY PREPARED BY KEE MAPPING & SURVEYING. THE HORIZONTAL DATUM IS NAD 83 (2011) AND THE VERTICAL DATUM IS NAVD(88). ALL COORDINATES SHOWN HEREON ARE GROUND MEASUREMENTS IN US SURVEY FEET.
- UTILITIES WERE LOCATED BASED ON VISIBLE ABOVE GROUND STRUCTURES, THEREFORE THE LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE OR MAY BE PRESENT AND NOT SHOWN HEREON. CALL 1-800-632-4949 BEFORE DIGGING.
- STATIONING AND STREAM LABELS FOR PLAN AND PROFILES ARE BASED OFF OF FINAL PLANS AND DESIGN CENTERLINES PROVIDED BY WILDLANDS ENGINEERING, INC.
- CONTOUR INTERVAL: 1 FOOT
VERTICAL DATUM: NAVD 88
- AREA OF LIMITS OF DISTURBANCE: 8.32 ACRES
- WETLANDS SHOWN PROVIDED BY WILDLANDS ENGINEERING, INC.
- FENCING SHOWN AS CONSTRUCTED AT THE TIME OF THIS SURVEY.

LEGEND	
[Symbol]	STRUCTURE NUMBER
[Symbol]	1/2" RBC (CROSS-SECTION REBAR)
[Symbol]	CONTROL POINT (AS NOTED)
[Symbol]	GAUGE (AS NOTED)
[Symbol]	UTILITY POLE
[Symbol]	GUY ANCHOR
[Symbol]	DECIDUOUS TREE
[Symbol]	PHOTO POINT
[Symbol]	LOG SILL
[Symbol]	ROCK SILL
[Symbol]	BRUSH TOE
[Symbol]	RIFFLE
[Symbol]	RIP RAP
[Symbol]	SOIL ROAD
[Symbol]	ASPHALT
[Symbol]	GRAVEL
[Symbol]	WETLAND - RE-ESTABLISHMENT
[Symbol]	WETLAND - REHABILITATION
[Symbol]	WETLAND - CREATION
[Symbol]	CONSERVATION EASEMENT INTERNAL CROSSING
[Symbol]	CONSERVATION EASEMENT
[Symbol]	MINOR CONTOUR
[Symbol]	MAJOR CONTOUR
[Symbol]	LIMITS OF DISTURBANCE
[Symbol]	THALWEG
[Symbol]	TOP OF BANK
[Symbol]	DESIGN CENTERLINE
[Symbol]	FENCE
[Symbol]	OVERHEAD WIRE
[Symbol]	RBC
[Symbol]	RBC
[Symbol]	INV
[Symbol]	ELEV
[Symbol]	NAVD
[Symbol]	NAD
[Symbol]	SPC
[Symbol]	CPP
[Symbol]	VP
[Symbol]	NSRS
[Symbol]	STA



CONTROL POINT
 RBCC "KEE" #306
 GROUND COORDINATES
 N: 655256.66'
 E: 1308284.15'
 ELEV: 856.69'

STRUCTURE TABLE-UT2		
#	DESCRIPTION	ELEVATION
1	LOG SILL	830.01
2	LOG SILL	829.05
3	ROCK SILL	828.15
4	LOG SILL	827.16
5	ROCK SILL	825.32
6	LOG SILL	824.48
7	LOG SILL	823.78
8	ROCK SILL	823.05



NOTE: SEE SHEET 1 FOR SURVEYOR'S NOTES, LEGEND & STATEMENT OF CERTIFICATION

ELEVATION DATUM: NAVD 88
 CONTOUR INTERVAL: 1 FOOT

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AN AS-BUILT SURVEY FOR:
WILDLANDS ENGINEERING, INC

SPO FILE NOS. 55-Y, 55-Z, 55-AA, 55-AE
 DMS SITE ID NO. 100067 & 100595

PROJECT:
 WYANT LANDS MITIGATION SITE PHASE II-PROJECT EXPANSION

SHEET TITLE:
 UT2 & BMP

TOWNSHIP: HOWARDS CREEK	COUNTY: LINCOLN	STATE: NORTH CAROLINA
DRAWN BY: NH	CHECKED BY: PBK	SURVEY BY: PD, RR, HW, KP, AC

SCALE: AS SHOWN
 SURVEY DATE: 06/16/22

#	DATE	REVISIONS

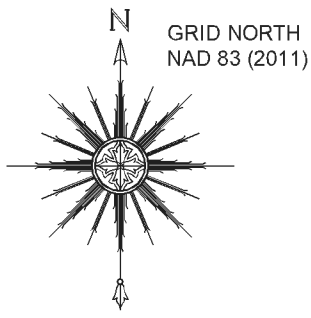
SHEET:
2 OF 7



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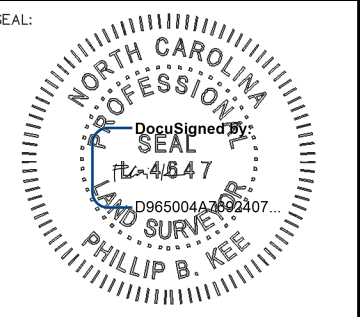
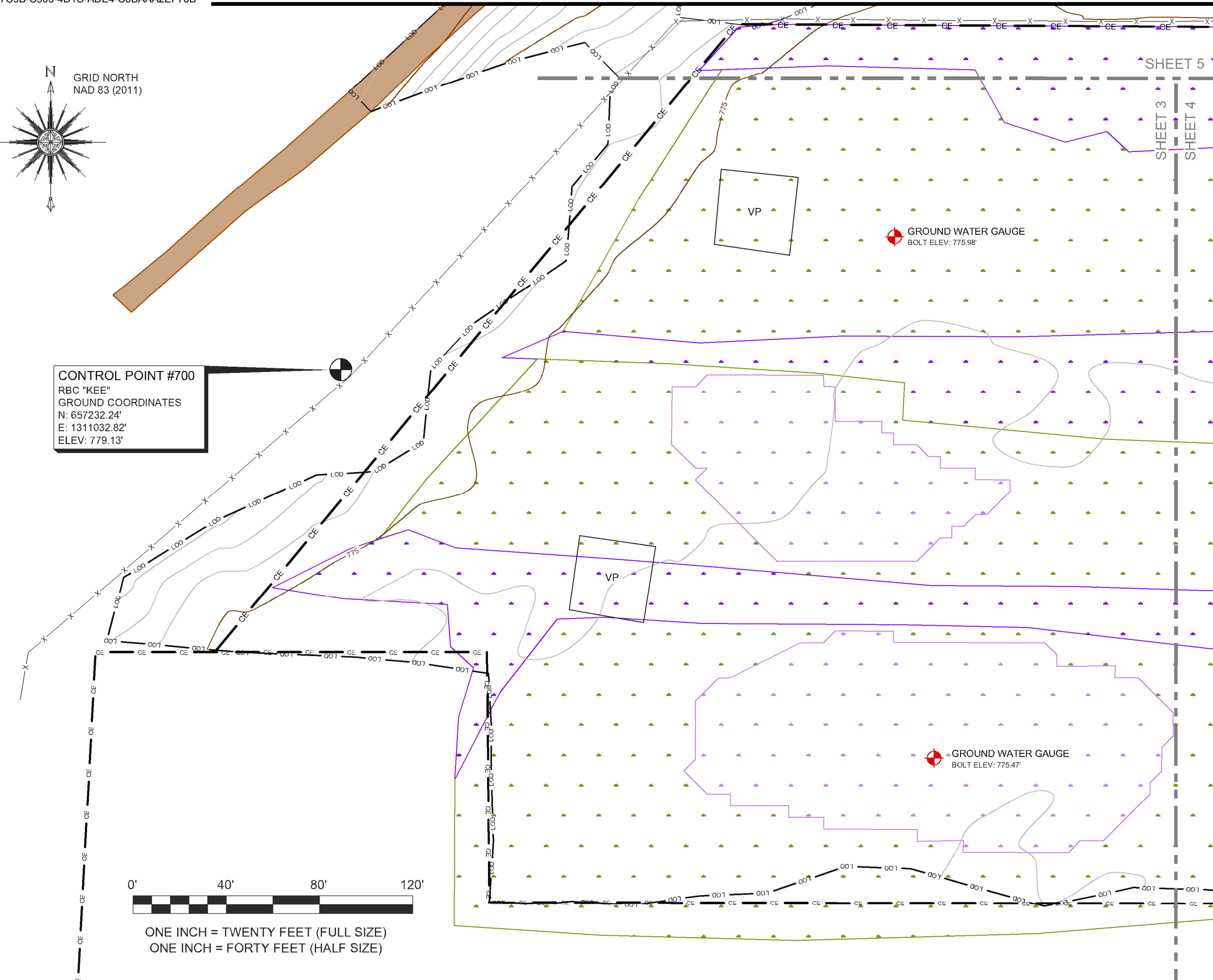
ONE INCH = TWENTY FEET (FULL SIZE)
 ONE INCH = FORTY FEET (HALF SIZE)



CONTROL POINT #700
 RBC "KEE"
 GROUND COORDINATES
 N: 657232.24'
 E: 1311032.82'
 ELEV: 779.13'



ONE INCH = TWENTY FEET (FULL SIZE)
 ONE INCH = FORTY FEET (HALF SIZE)



NOTE: SEE SHEET 1 FOR SURVEYOR'S NOTES, LEGEND & STATEMENT OF CERTIFICATION

ELEVATION DATUM: NAVD 88
 CONTOUR INTERVAL: 1 FOOT

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AN AS-BUILT SURVEY FOR:
WILDLANDS ENGINEERING, INC

SPO FILE NOS. 55-Y, 55-Z, 55-AA, 55-AE

DMS SITE ID NO. 100067 & 100595

PROJECT:
 WYANT LANDS MITIGATION SITE PHASE II-PROJECT EXPANSION

SHEET TITLE:
 WETLAND GRADING

TOWNSHIP: HOWARDS CREEK	COUNTY: LINCOLN	STATE: NORTH CAROLINA
DRAWN BY: NH	CHECKED BY: PBK	SURVEY BY: PD, RR, HW, KP, AC

SCALE: AS SHOWN SURVEY DATE: 06/16/22

JOB: #2204045-AB SHEET SIZE: 11" X 17" (HALF SIZE)

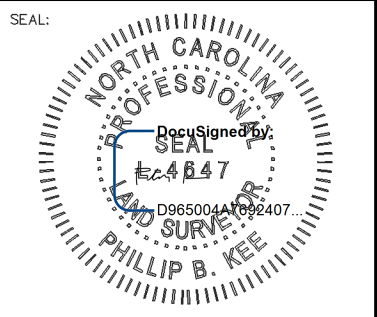
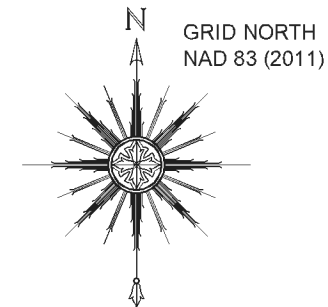
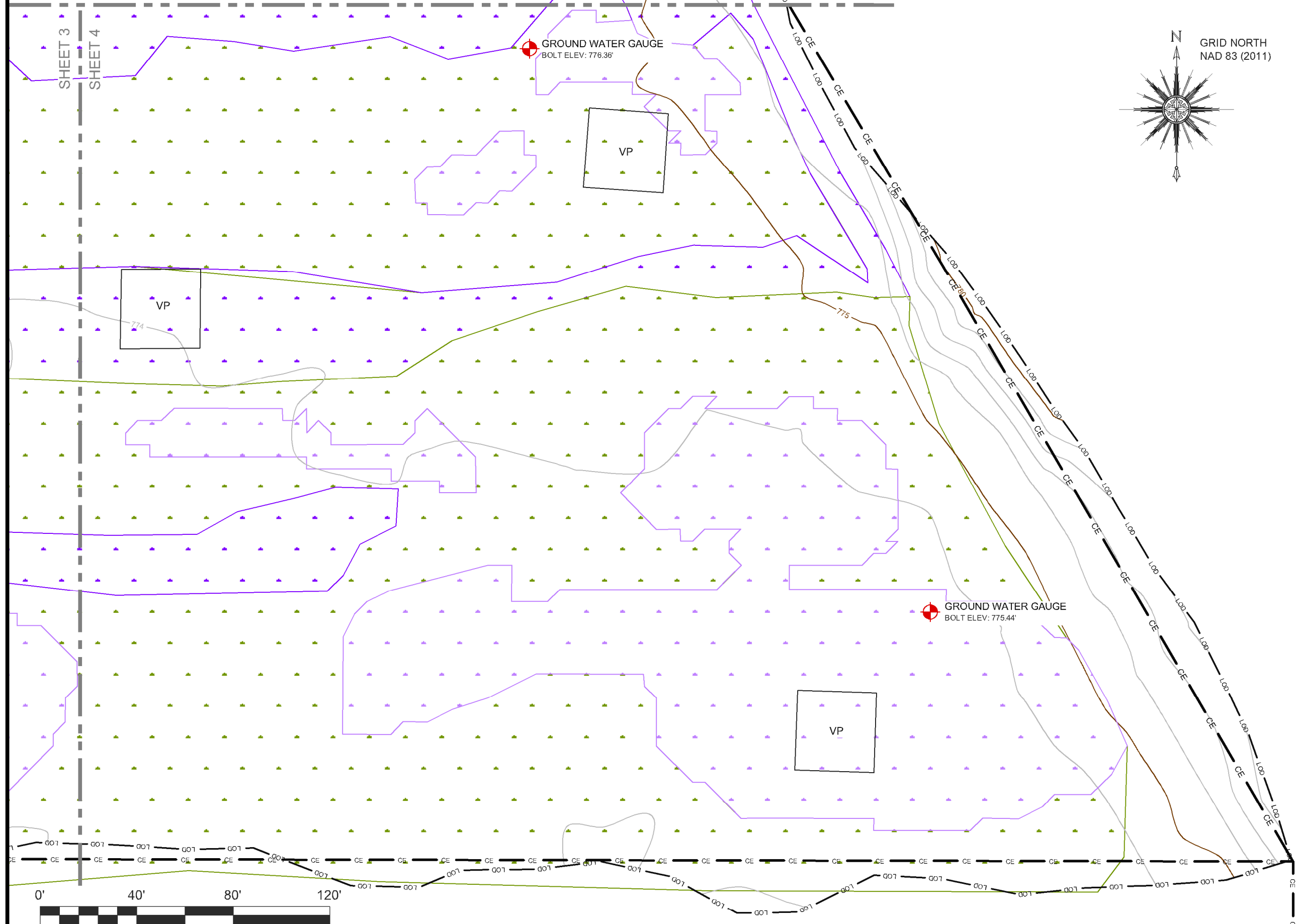
#	DATE	REVISIONS

SHEET:
3 OF 7



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SHEET 5



NOTE: SEE SHEET 1 FOR SURVEYOR'S NOTES, LEGEND & STATEMENT OF CERTIFICATION

ELEVATION DATUM: NAVD 88
CONTOUR INTERVAL: 1 FOOT

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AN AS-BUILT SURVEY FOR:
WILDLANDS ENGINEERING, INC

SPO FILE NOS. 55-Y, 55-Z, 55-AA, 55-AE
DMS SITE ID NO. 100067 & 100595

PROJECT:
WYANT LANDS MITIGATION SITE PHASE II-PROJECT EXPANSION

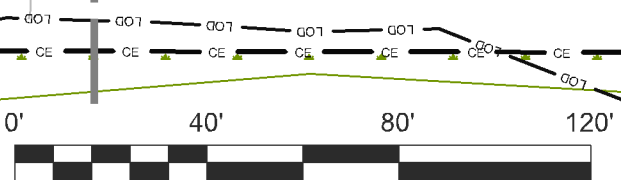
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WETLAND GRADING

TOWNSHIP: HOWARDS CREEK	COUNTY: LINCOLN	STATE: NORTH CAROLINA
DRAWN BY: NH	CHECKED BY: PBK	SURVEY BY: PD, RR, HW, KP, AC
SCALE: AS SHOWN	SURVEY DATE: 06/16/22	
JOB: #2204045-AB	SHEET SIZE: 11" X 17" (HALF SIZE)	
#	DATE	REVISIONS

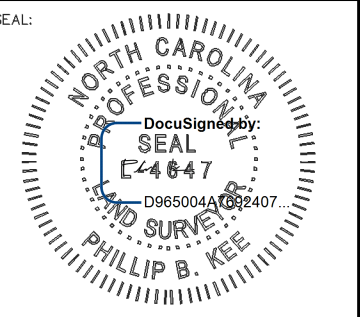
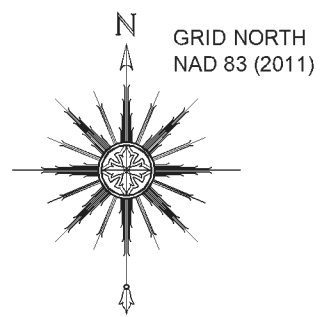
SHEET:
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ONE INCH = TWENTY FEET (FULL SIZE)
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NOTE: SEE SHEET 1 FOR SURVEYOR'S NOTES, LEGEND & STATEMENT OF CERTIFICATION

ELEVATION DATUM: NAVD 88
CONTOUR INTERVAL: 1 FOOT

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AN AS-BUILT SURVEY FOR:
WILDLANDS ENGINEERING, INC

SPO FILE NOS. 55-Y, 55-Z, 55-AA, 55-AE
DMS SITE ID NO. 100067 & 100595

PROJECT:
WYANT LANDS MITIGATION SITE PHASE II-PROJECT EXPANSION

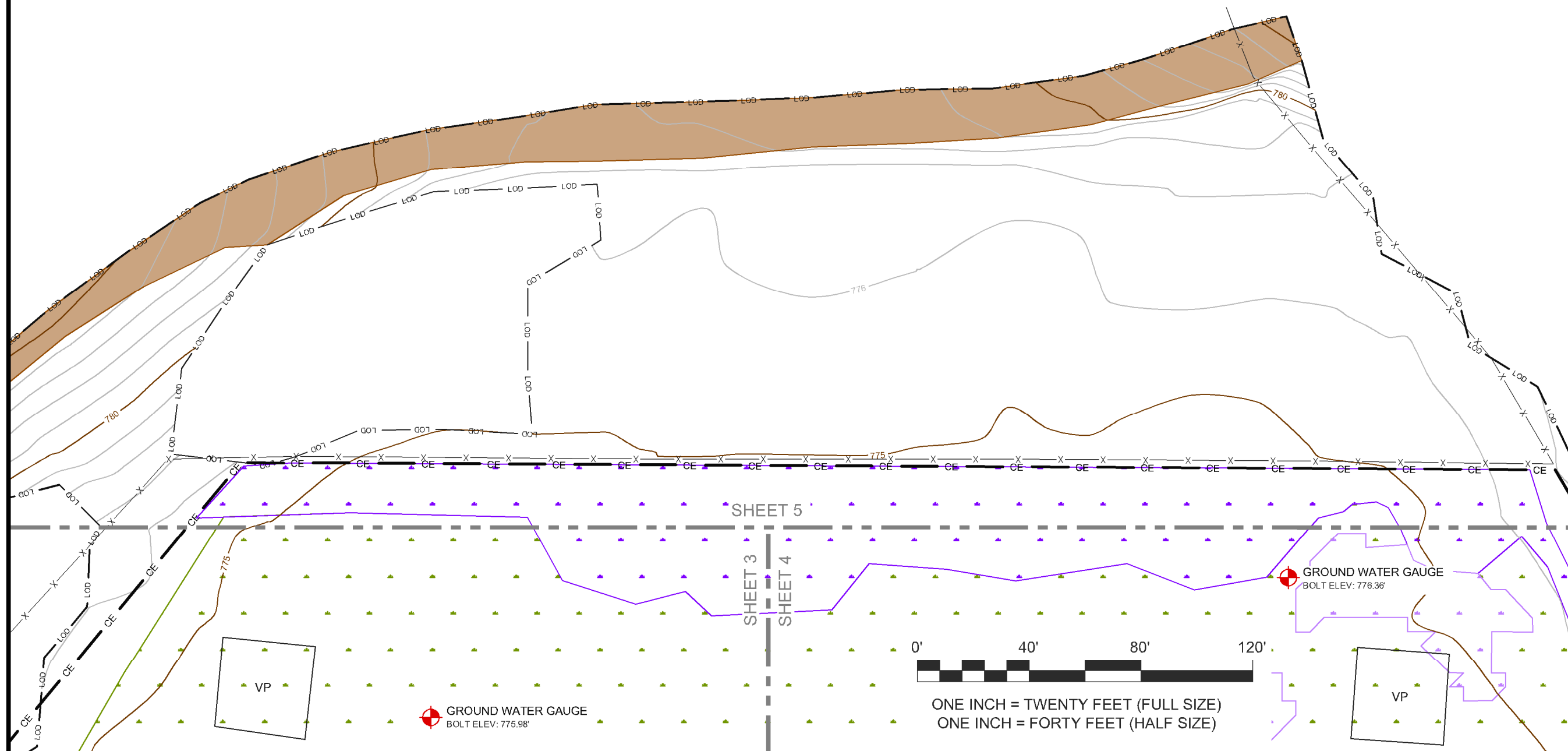
SHEET TITLE:
WETLAND GRADING

TOWNSHIP: HOWARDS CREEK	COUNTY: LINCOLN	STATE: NORTH CAROLINA
DRAWN BY: NH	CHECKED BY: PBK	SURVEY BY: PD, RR, HW, KP, AC
SCALE: AS SHOWN	SURVEY DATE: 06/16/22	
JOB: #2204045-AB	SHEET SIZE: 11" X 17" (HALF SIZE)	
#	DATE	REVISIONS

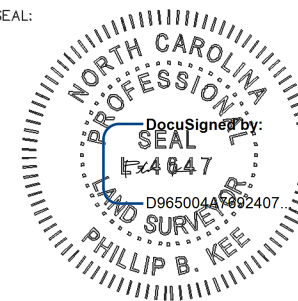
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NOTE: SEE SHEET 1 FOR SURVEYOR'S NOTES, LEGEND & STATEMENT OF CERTIFICATION

ELEVATION DATUM: NAVD 88
CONTOUR INTERVAL: 1 FOOT

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AN AS-BUILT SURVEY FOR:
WILDLANDS ENGINEERING, INC

SPO FILE NOS. 55-Y, 55-Z, 55-AA, 55-AE
DMS SITE ID NO. 100067 & 100595

PROJECT:
WYANT LANDS MITIGATION SITE PHASE II-PROJECT EXPANSION

SHEET TITLE:
CROSS-SECTION # 19-20

TOWNSHIP: HOWARDS CREEK	COUNTY: LINCOLN	STATE: NORTH CAROLINA
DRAWN BY: NH	CHECKED BY: PBK	SURVEY BY: PD, RR, HW, KP, AC

SCALE: AS SHOWN	SURVEY DATE: 06/16/22
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JOB: #2204045-AB	SHEET SIZE: 11" X 17" (HALF SIZE)
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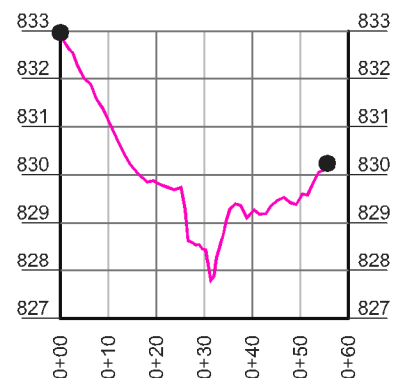
#	DATE	REVISIONS

SHEET:

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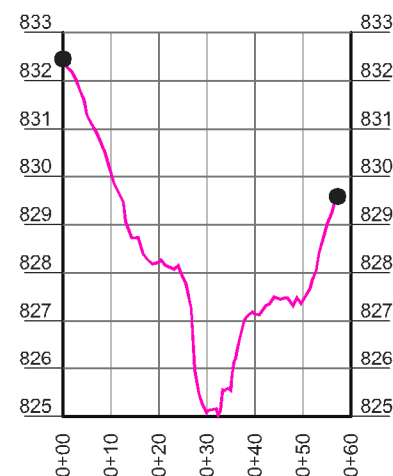


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CROSS-SECTION #19-UT2

HORIZONTAL SCALE: 1" = 20' FULL SIZE, 1" = 40' HALF SIZE
VERTICAL SCALE: 1" = 2' FULL SIZE, 1" = 4' HALF SIZE



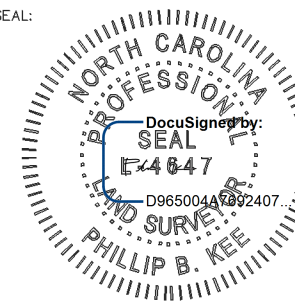
CROSS-SECTION #20-UT2

HORIZONTAL SCALE: 1" = 20' FULL SIZE, 1" = 40' HALF SIZE
VERTICAL SCALE: 1" = 2' FULL SIZE, 1" = 4' HALF SIZE

LEGEND

- CROSS-SECTION REBAR

SEAL:



NOTE: SEE SHEET 1 FOR SURVEYOR'S NOTES, LEGEND & STATEMENT OF CERTIFICATION

ELEVATION DATUM: NAVD 88
CONTOUR INTERVAL: 1 FOOT

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AN AS-BUILT SURVEY FOR:
WILDLANDS ENGINEERING, INC

SPO FILE NOS. 55-Y, 55-Z, 55-AA, 55-AE
DMS SITE ID NO. 100067 & 100595

PROJECT:
WYANT LANDS MITIGATION SITE PHASE II-PROJECT EXPANSION

SHEET TITLE:
LONGITUDINAL PROFILE:
UT2
STA: 0+00-4+20

TOWNSHIP: HOWARDS CREEK	COUNTY: LINCOLN	STATE: NORTH CAROLINA
DRAWN BY: NH	CHECKED BY: PBK	SURVEY BY: PD, RR, HW, KP, AC

SCALE:
AS SHOWN

SURVEY DATE:
06/16/22

JOB:
#2204045-AB

SHEET SIZE:
11" X 17" (HALF SIZE)

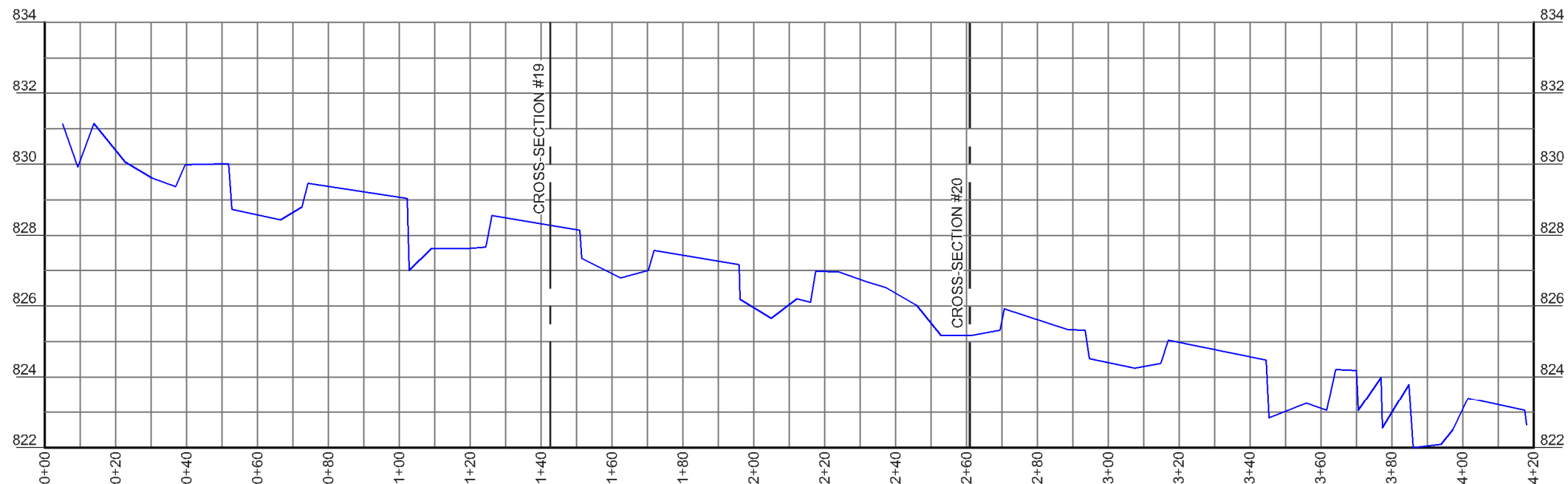
#	DATE	REVISIONS

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LONGITUDINAL PROFILE- UT2
HORIZONTAL SCALE: 1" = 20' FULL SIZE, 1" = 40' HALF SIZE
VERTICAL SCALE: 1" = 2' FULL SIZE, 1" = 4' HALF SIZE

LEGEND

— THALWEG