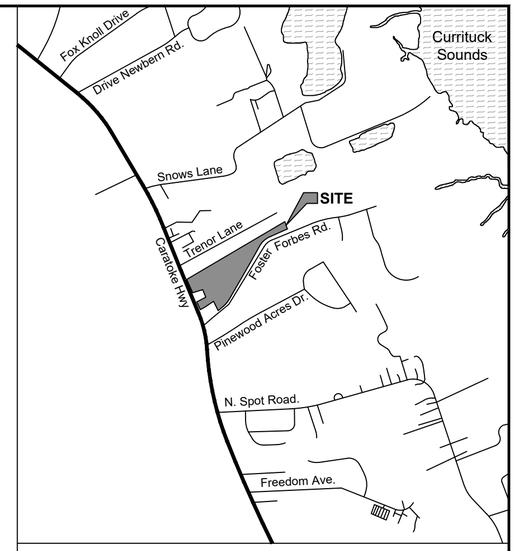
Sheet List Table	
Sheet Number	Sheet Title
1	COVER SHEET
2	OVERALL PLAN
3	PRELIMINARY LAYOUT PLAN
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5	ROAD 'A' PROFILE PLAN
6	ROAD 'B' PROFILE PLAN
7	ROAD 'B' PROFILE PLAN
8	TYPICAL ROAD SECTION

PRELIMINARY SUBDIVISION PLAT
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP,
CURRITUCK COUNTY, NORTH CAROLINA



LOCATION MAP
SCALE : 1" = 2,000'

REFERENCES:
P.B. A PG. 278
D.B. 1480 PGS. 301-306

EASEMENT ESTABLISHMENT STATEMENT:
A 10-FOOT EASEMENT FOR UTILITIES AND DRAINAGE ALONG SIDE PROPERTY LINES AND A 20-FOOT EASEMENT ALONG THE FRONT AND REAR PROPERTY LINES ARE HEREBY ESTABLISHED

WETLANDS STATEMENT:
AREAS OF THE PROPERTY SHOWN ON THIS PLAT MAY CONTAIN 404 WETLANDS AND MAY REQUIRE U.S. CORPS OF ENGINEERS APPROVAL PRIOR TO DEVELOPMENT OF THE PROPERTY

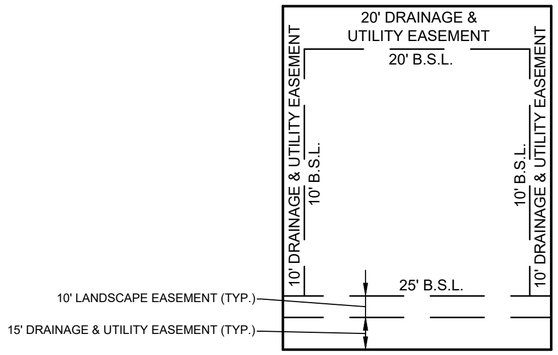
PROPERTY ADJACENT TO ACTIVE FARMLANDS STATEMENT:
AS OF THE RECORDED DATE OF THIS PLAT, SOME PORTION SOF THIS DEVELOPMENT ADJOIN LAND USED FOR ACTIVE AGRICULTURE PURPOSES WHICH MAY INCLUDE, BUT NOT BE LIMITED TO ACTIVITIES SUCH AS DUST GENERATION, SPRAYING OF CHEMICALS, ETC.. THEREFORE, FURTHER INVESTIGATION MAY BE DESIRED BY PROSPECTIVE PURCHASERS

EVALUATED FOR SEPTIC SUITABILITY:
ALL LOTS SHOWN HEREON HAVE BEEN EVALUATED THROUGH PERCOLATION TESTS BY THE ALBEMARLE REGIONAL HEALTH SERVICES, AND EACH LOT HAS BEEN DETERMINED SUITABLE TO SUPPORT AN ONSITE SEPTIC SYSTEM. INDIVIDUAL LOT EVALUATIONS HAVE BEEN COMPLETED.

OWNERSHIP DEDICATION AND DRAINAGE CERTIFICATE:
I HEREBY CERTIFY THAT CURRITUCK WAY, LLC, A NORTH CAROLINA LIMITED LIABILITY COMPANY, IS THE OWNER OF THE PROPERTY DESCRIBED HEREON, WHICH PROPERTY IS LOCATED WITHIN THE SUBDIVISION REGULATIONS JURISDICTION OF CURRITUCK COUNTY, THAT I HEREBY FREELY ADOPT THIS PLAT OF SUBDIVISION AND IRREVOCABLY DEDICATE TO THE PUBLIC USE ALL AREAS SHOWN ON THIS PLAT AS EASEMENTS, EXCEPT THOSE SPECIFICALLY INDICATED AS PRIVATE, AND THAT I WILL MAINTAIN ALL SUCH AREAS UNTIL THE OFFER OF DEDICATION IS ACCEPTED BY AN APPROPRIATE PUBLIC AUTHORITY, OR A PRIVATE ROAD MAINTENANCE AGREEMENT IS EXECUTED BY ALL PROPERTY OWNERS IN THIS SUBDIVISION. ALL PROPERTY SHOWN ON THIS PLAT AS DEDICATED FOR PUBLIC USE SHALL BE DEEMED TO BE DEDICATED FOR ANY OTHER PUBLIC USE AUTHORIZED BY LAW WHEN SUCH USE IS APPROVED BY THE APPROPRIATE PUBLIC AUTHORITY IN THE PUBLIC INTEREST.

I HEREBY CERTIFY THAT THIS DEVELOPMENT SHALL BE CONSTRUCTED AND MAINTAINED SO THAT NO ADJACENT PROPERTIES ARE UNREASONABLY BURDENED WITH THE SURFACE WATER AS A RESULT OF THIS DEVELOPMENT. THIS DEVELOPMENT SHALL NOT IMPEDE NOR OBSTRUCT THE NATURAL FLOW OF WATER FROM HIGHER ADJACENT PROPERTIES NOR SHALL IT UNREASONABLY COLLECT AND CHANNEL SURFACE WATERS FROM THE DEVELOPMENT UNTO LOWER ADJACENT PROPERTIES.

_____ _____ _____
JAMES M. ROSE, JR. (MANAGING MEMBER) DATE
(CURRITUCK WAY, LLC)



TYPICAL LOT, EASEMENT
& SETBACK LAYOUT
NTS

WITNESS THE FOLLOWING:

STATE OF NORTH CAROLINA
COUNTY OF _____, TO WIT:

I, _____, A NOTARY PUBLIC, IN THE COUNTY OF _____ AND STATE OF _____ AFORESAID DO HEREBY CERTIFY THAT , JAMES M. ROSE, JR., WHOSE NAME IS SIGNED TO THE FOREGOING WRITING BEARING DATE ON THE _____ DAY OF _____,_____, HAS ACKNOWLEDGED THE SAME BEFORE ME GIVEN UNDER MY HAND THIS _____ DAY OF _____,_____.

_____
NOTARY PUBLIC

MY COMMISSION EXPIRES: _____

REGISTRATION NO.: _____

NOTES:
1. AREAS CALC ULATED BY COORDINATE METHOD.
2. BOUNDARY AS RECORDED IN P.C. A SL. 278 OF THE CURRITUCK COUNTY REGISTRY.
3. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT.
4. THESE PARCELS MAY BE SUBJECT TO EASEMENTS NOT SHOWN HEREON.
5. LOTS MAY BE IN AN AREA OF ENVIRONMENTAL CONCERN. INDIVIDUAL PERMITS MAY BE REQUIRED.
6. THIS PROPERTY APPEARS TO FALL IN FLOOD ZONE **"X"** AS SHOWN ON PANEL **3720983800K** OF THE FLOOD INSURANCE RATE MAPS FOR THE TOWN OF **CURRITUCK**, COMMUNITY NO.: **3720983800K,** DATED **DECEMBER 21, 2018**.
7. A BLANKET DRAINAGE, UTILITY, AND PEDESTRIAN ACCESS EASEMENT IS HEREBY ESTABLISHED ACROSS ALL OPEN SPACE AREAS.
8. UNLESS OTHERWISE NOTED, ALL DISTANCES SHOWN HEREON ARE HORIZONTAL GROUND MEASURED IN US-FEET.
9. THIS CLASS 'A' SURVEY WAS PERFORMED USING A REAL TIME BLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) IN CONJUNCTION WITH A ROBOTIC TOTAL STATION.
10. NORTH MERIDIAN SHOWN HEREON IS BASED ON NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NAD83/2011 (TOWN OF CURRITUCK). COORDINATE VALUES SHOWN ARE EXPRESSED IN U.S. SURVEY FEET.
11. ELEVATIONS SHOWN HEREON BASED ON NAVD88 AND WERE ESTABLISHED FROM **NGS** VERTICAL CONTROL STATION **"Q 254 RESET"** BRASS DISK, ELEVATION = **11.13'.**

SOIL TYPES:
CnA, CONETOE LOAMY SAND
Ds, DRAGSTON LOAMY FINE SAND
No, NIMMO LOAMY SAND

ZONING LEGEND:
AG - AGRICULTURAL
GB - GENERAL BUSINESS
SFM - SINGLE FAMILY RESIDENTIAL
MXR - MIXED RESIDENTIAL

GADDY
ENGINEERING SERVICES, LLC
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933
508 N. BIRDNECK RD., SUITE D
VIRGINIA BEACH, VA, 23451

APPROVAL CERTIFICATE:
I HEREBY CERTIFY THAT THE SUBDIVISION SHOWN ON THIS PLAT IS IN ALL RESPECTS IN COMPLIANCE WITH THE CURRITUCK COUNTY UNIFIED DEVELOPMENT ORDINANCE, AND THEREFORE, THIS PLAT HAS BEEN APPROVED BY THE CURRITUCK COUNTY TECHNICAL REVIEW COMMITTEE AND SIGNED BY THE ADMINISTRATOR, SUBJECT TO ITS BEING RECORDED IN THE CURRITUCK COUNTY REGISTRY WITHIN 90 DAY S OF THE DATE BELOW.

_____ _____
ADMINISTRATOR DATE

REVIEW OFFICERS CERTIFICATE:
STATE OF NORTH CAROLINA
COUNTY OF CURRITUCK

I, _____, REVIEW OFFICER OF CURRITUCK COUNTY, CERTIFY THAT THE PLAT TO WHICH THIS CERTIFICATION IS AFFIXED MEETS ALL SATUTORY REQUIREMENTS FOR RECORDING.

_____ __ _____
REVIEW OFFICER DATE

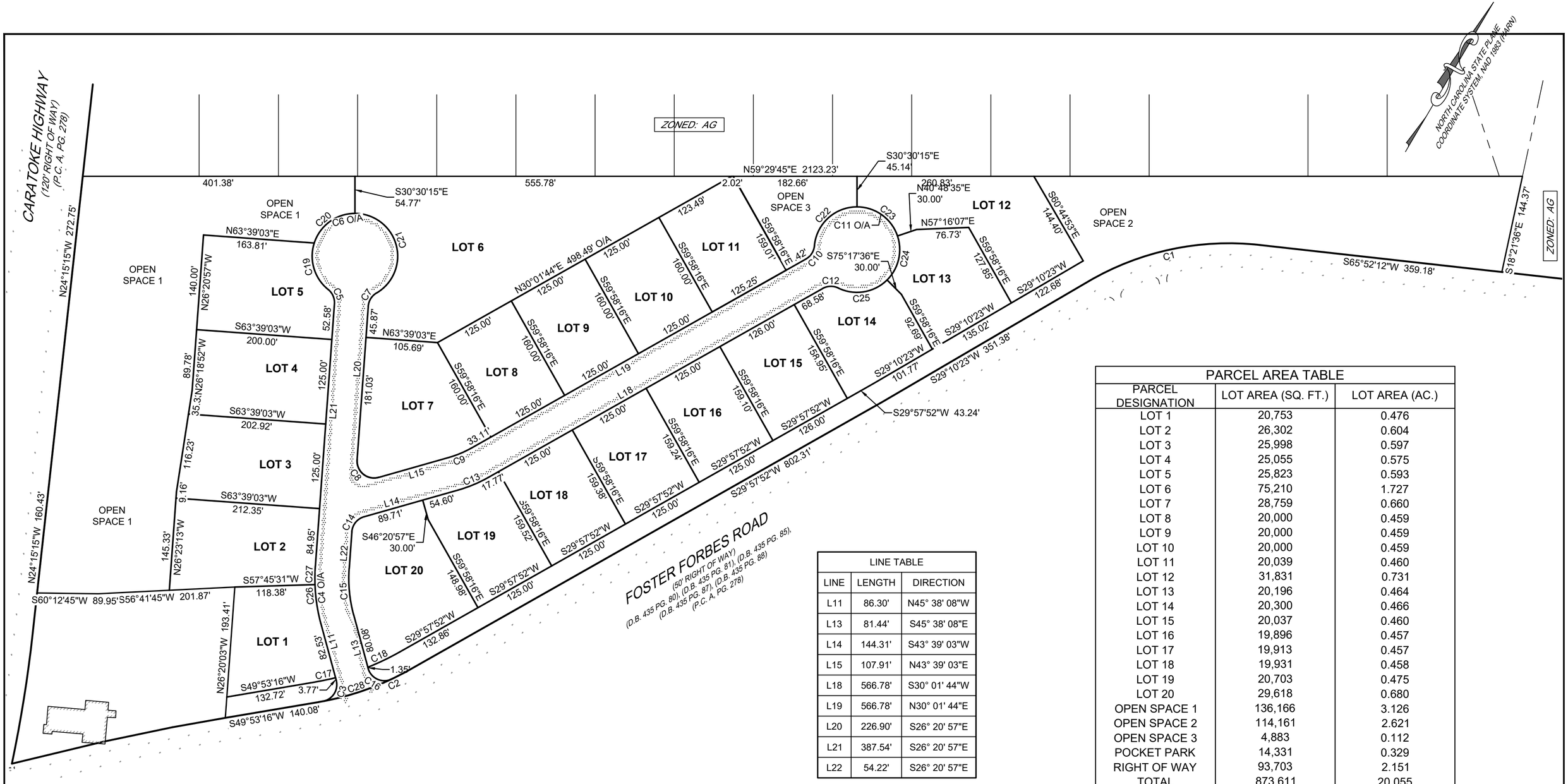
CERTIFICATE OF SURVEY & ACCURACY:
I, MICHAEL S. GADDY, CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION, DEED DESCRIPTION RECORDED IN P.C. 'A' SL. 278, AND D.B. 1480 PGS. 301-306 OF THE CURRITUCK COUNTY REGISTRY; THAT THE ERROR OF CLOSURE AS CALCULATED IS 1:10,000+, THAT THE BOUNDARIES NOT ACTUALLY SURVEYED ARE SHOWN AS BROKEN LINES PLOTTED FROM INFORMATION FOUND IN THE RECORDED INSTRUMENTS LISTED HEREON AND THAT THIS MAP WAS PREPARED IN ACCORDANCE WITH G.G. 47-30 AS AMENDED.

THIS INSTRUMENT ALSO CERTIFIES THAT THIS SURVEY CREATES A SUBDIVISION OF LAND WITHIN THE AREA OF A COUNTY OR MUNICIPALITY THAT HAS AN ORDINANCE THAT REGULATES PARCELS OF LAND.

WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER, AND SEAL THIS _____ DAY OF _____, 2026.

_____
P.L.S.

NORTH CAROLINA PROFESSIONAL
SEAL
L-5622
LAND SURVEYOR
MICHAEL S. GADDY



LINE TABLE		
LINE	LENGTH	DIRECTION
L11	86.30'	N45° 38' 08"W
L13	81.44'	S45° 38' 08"E
L14	144.31'	S43° 39' 03"W
L15	107.91'	N43° 39' 03"E
L18	566.78'	S30° 01' 44"W
L19	566.78'	N30° 01' 44"E
L20	226.90'	S26° 20' 57"E
L21	387.54'	S26° 20' 57"E
L22	54.22'	S26° 20' 57"E

PARCEL AREA TABLE		
PARCEL DESIGNATION	LOT AREA (SQ. FT.)	LOT AREA (AC.)
LOT 1	20,753	0.476
LOT 2	26,302	0.604
LOT 3	25,998	0.597
LOT 4	25,055	0.575
LOT 5	25,823	0.593
LOT 6	75,210	1.727
LOT 7	28,759	0.660
LOT 8	20,000	0.459
LOT 9	20,000	0.459
LOT 10	20,000	0.459
LOT 11	20,039	0.460
LOT 12	31,831	0.731
LOT 13	20,196	0.464
LOT 14	20,300	0.466
LOT 15	20,037	0.460
LOT 16	19,896	0.457
LOT 17	19,913	0.457
LOT 18	19,931	0.458
LOT 19	20,703	0.475
LOT 20	29,618	0.680
OPEN SPACE 1	136,166	3.126
OPEN SPACE 2	114,161	2.621
OPEN SPACE 3	4,883	0.112
POCKET PARK	14,331	0.329
RIGHT OF WAY	93,703	2.151
TOTAL	873,611	20.055

CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD BEARING
C3	41.32'	25.00'	094°41'19"	27.13'	36.77'	N01° 42' 32"E
C4	85.83'	255.00'	019°17'10"	43.33'	85.43'	N35° 59' 33"W
C5	24.16'	25.00'	055°22'35"	13.12'	23.23'	N54° 02' 15"W
C6	319.70'	63.00'	290°45'11"	43.50'	71.59'	N63° 39' 03"E
C7	24.16'	25.00'	055°22'35"	13.12'	23.23'	S01° 20' 20"W
C8	48.00'	25.00'	110°00'00"	35.70'	40.96'	S81° 20' 57"E
C9	35.66'	150.00'	013°37'18"	17.92'	35.58'	N36° 50' 23"E
C10	24.16'	25.00'	055°22'35"	13.12'	23.23'	N02° 20' 26"E
C11	319.70'	63.00'	290°45'11"	43.50'	71.59'	S59° 58' 16"E
C12	24.16'	25.00'	055°22'35"	13.12'	23.23'	S57° 43' 02"W
C13	47.55'	200.00'	013°37'18"	23.89'	47.44'	S36° 50' 23"W
C14	30.54'	25.00'	070°00'00"	17.51'	28.68'	S08° 39' 03"W
C15	69.00'	205.00'	019°17'10"	34.83'	68.68'	S35° 59' 33"E

CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD BEARING
C16	43.74'	25.00'	100°15'11"	29.93'	38.37'	N84° 14' 17"E
C17	30.16'	380.00'	004°32'51"	15.09'	30.15'	N47° 36' 50"E
C18	51.88'	380.00'	007°49'20"	25.98'	51.84'	N33° 52' 32"E
C19	76.04'	63.00'	069°09'02"	43.42'	71.50'	N47° 09' 02"W
C20	79.25'	63.00'	072°04'16"	45.83'	74.12'	N23° 27' 37"E
C21	164.42'	63.00'	149°31'53"	231.33'	121.57'	S45° 44' 18"E
C22	93.29'	63.00'	084°50'36"	57.57'	85.00'	N17° 04' 27"E
C23	96.51'	63.00'	087°46'21"	60.60'	87.35'	S76° 37' 04"E
C24	69.96'	63.00'	063°37'36"	39.08'	66.42'	S00° 55' 05"E
C25	59.94'	63.00'	054°30'37"	32.45'	57.70'	S58° 09' 01"W
C26	58.43'	255.00'	013°07'39"	29.34'	58.30'	N39° 04' 18"W
C27	27.41'	255.00'	006°09'31"	13.72'	27.40'	N29° 25' 43"W
C28	106.92'	410.00'	014°56'31"	53.77'	106.62'	N41° 34' 56"E

NORTH CAROLINA PROFESSIONAL SEAL L-5622 LAND SURVEYOR MICHAEL S. GADDY

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CONTACT:
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757-289-5933
508 N. BIRDNECK RD., SUITE D
VIRGINIA BEACH, VA, 23451

GRAPHIC SCALE
0 100 200 300
1" = 100'

PRELIMINARY SUBDIVISION PLAT
OF
CURRITUCK WAY
POPLAR BRANCH TOWNSHIP
CURRITUCK COUNTY
NORTH CAROLINA
OCTOBER 15, 2026

OVERALL PLAN

CARATOKE HIGHWAY
(120' RIGHT OF WAY)
(P.C. A, PG. 278)

PROPOSED 10' SIDEWALK EASEMENT

OPEN SPACE 1

OPEN SPACE 2

LOT 1

LOT 2

LOT 3

LOT 4

LOT 5

LOT 6

LOT 7

LOT 8

LOT 9

LOT 10

LOT 11

LOT 15

LOT 16

LOT 17

LOT 18

LOT 19

LOT 20

50' R/W - PUBLIC STREET 'A'

50' R/W - PUBLIC STREET 'B'

FOSTER FORBES ROAD
(D.B. 435 PG. 80), (50' RIGHT OF WAY)
(D.B. 435 PG. 81), (D.B. 435 PG. 85),
(D.B. 435 PG. 87), (D.B. 435 PG. 88)
(P.C. A, PG. 278)

MATCHLINE SHEET 3 OF 3

NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NAD 1983 (HARN)

DRAINFIELD

DRAIN FIELD

10' LANDSCAPE EASEMENT (TYP.)

15' DRAINAGE & UTILITY EASEMENT (TYP.)

WATER METER (TYP.)

FH

30" RCP

24" HDPE

18" HDPE

15" HDPE

8" W

4" W

N24°15'15"W 272.75'

N63°39'03"E 163.81'

S30°30'15"E 54.77'

C6 O/A

N30°01'44"E 498.49' O/A

N59°29'45"E 21

555.78'

182.66'

123.49'

125.00'

125.25'

126.00'

33.42

S59°58'16"E 159.01'

S59°58'16"E 160.00'

S59°58'16"E 159.10'

S59°58'16"E 159.24'

S59°58'16"E 159.38'

S59°58'16"E 159.52'

S59°58'16"E 148.98'

S29°57'52"W 125.00'

S29°57'52"W 802.31'

140.00' N26°20'57"W

S63°39'03"W 200.00'

89.78' N26°18'52"W

N63°39'03"E 105.69'

52.58'

45.87'

125.00'

181.03'

L20

L21

35.33'

S63°39'03"W 202.92'

116.23'

9.16'

S63°39'03"W 212.35'

145.33' N26°23'13"W

84.95'

S46°20'57"E 30.00'

89.71'

54.60'

17.77'

C13

L14

L15

C9

C8

C14

L22

C15

C27

C26

C4 O/A

S57°45'31"W 118.38'

S56°41'45"W 201.87'

S60°12'45"W 89.95'

N24°15'15"W 160.43'

N26°20'03"W 193.41'

82.53'

L11

L12

80.08'

C18

1.35'

C17

3.77'

C16

C28

L2

C2

S49°53'16"W 132.72'

S49°53'16"W 140.08'

S29°57'52"W 132.86'

C1 C2 C3 C4 C5 C6 C7 C8 C9 C13 C14 C15 C16 C17 C18 C19 C20 C22 C26 C27 C28

L11 L12 L14 L15 L18 L19 L20 L21 L22

A1 A2 A3 A4 A5 A6 A7

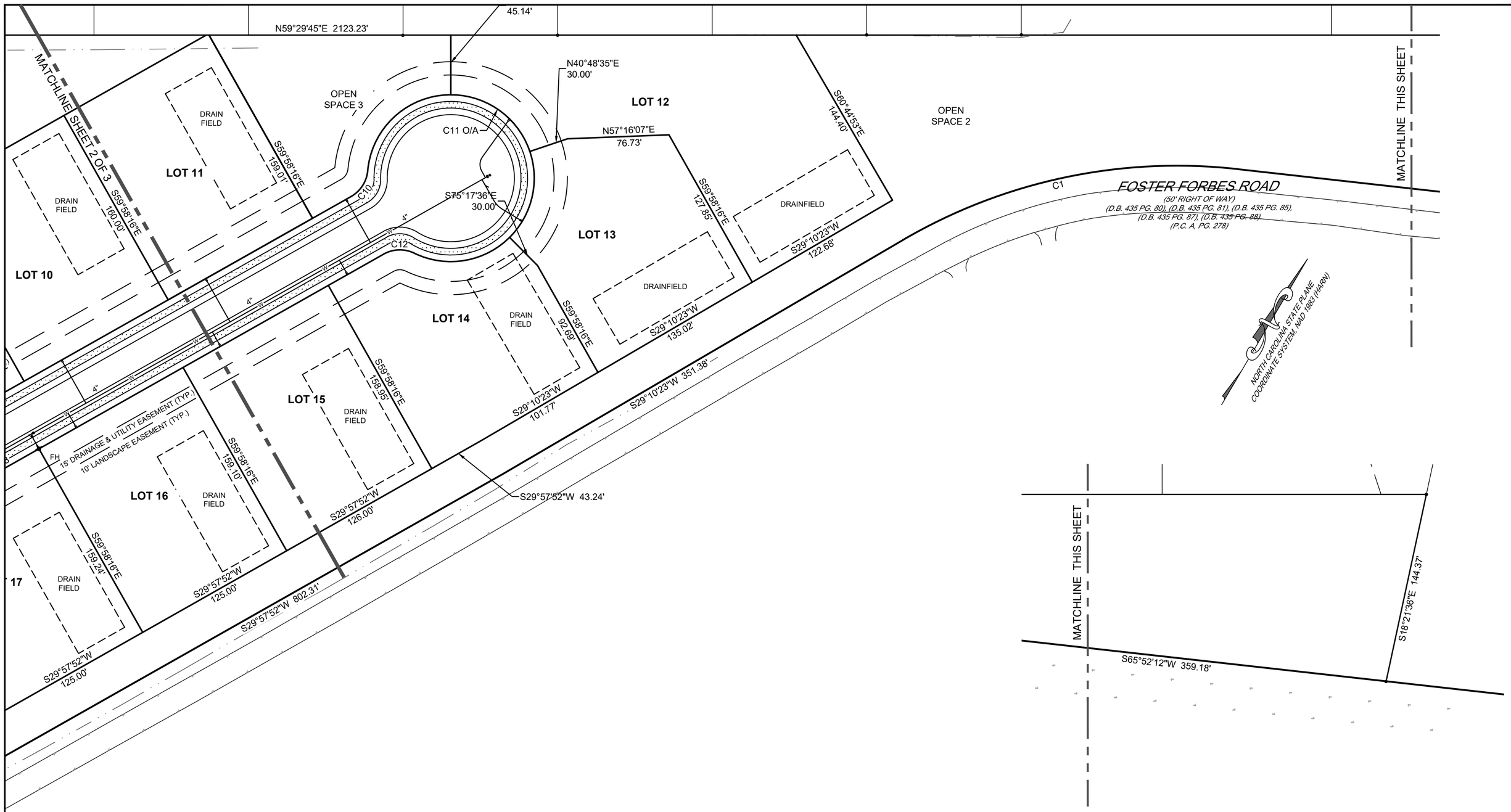
B1 B2 B3 B4 B5 B6 B7

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GRAPHIC SCALE
0 50 100 150
1" = 50'

PRELIMINARY SUBDIVISION PLAT
OF
CURRITUCK WAY
POPLAR BRANCH TOWNSHIP
CURRITUCK COUNTY
NORTH CAROLINA
OCTOBER 15, 2026

PRELIMINARY LAYOUT PLAN
SHEET 3 OF 8



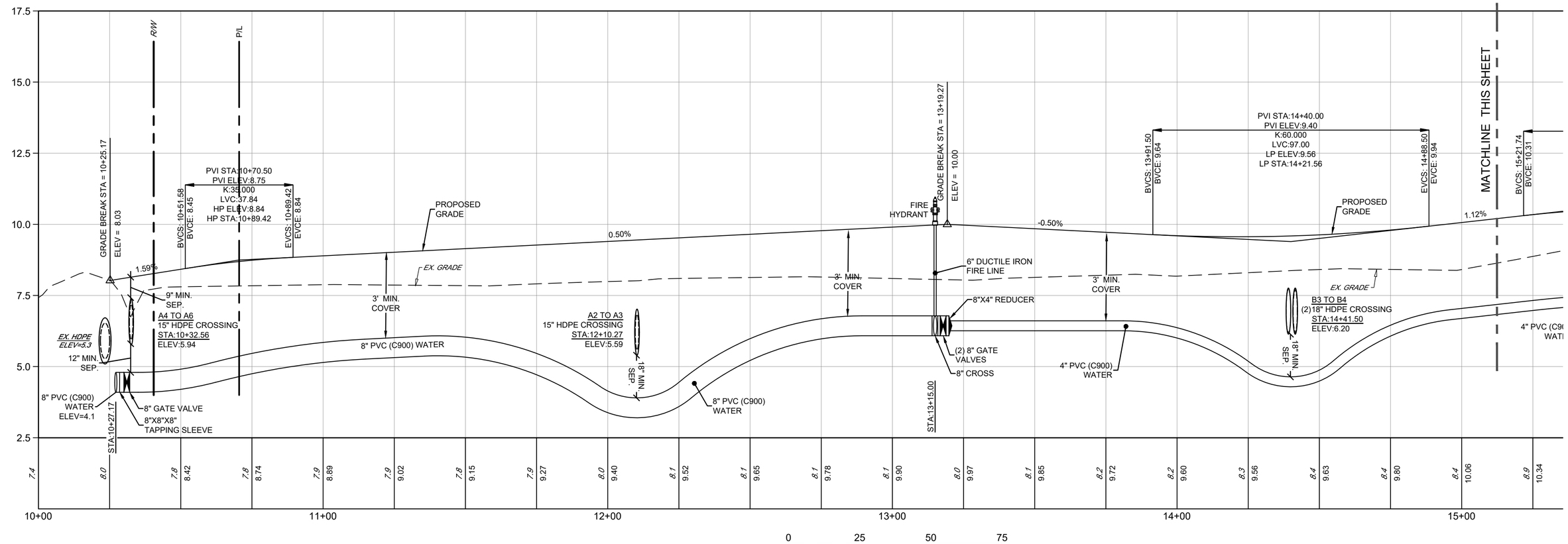
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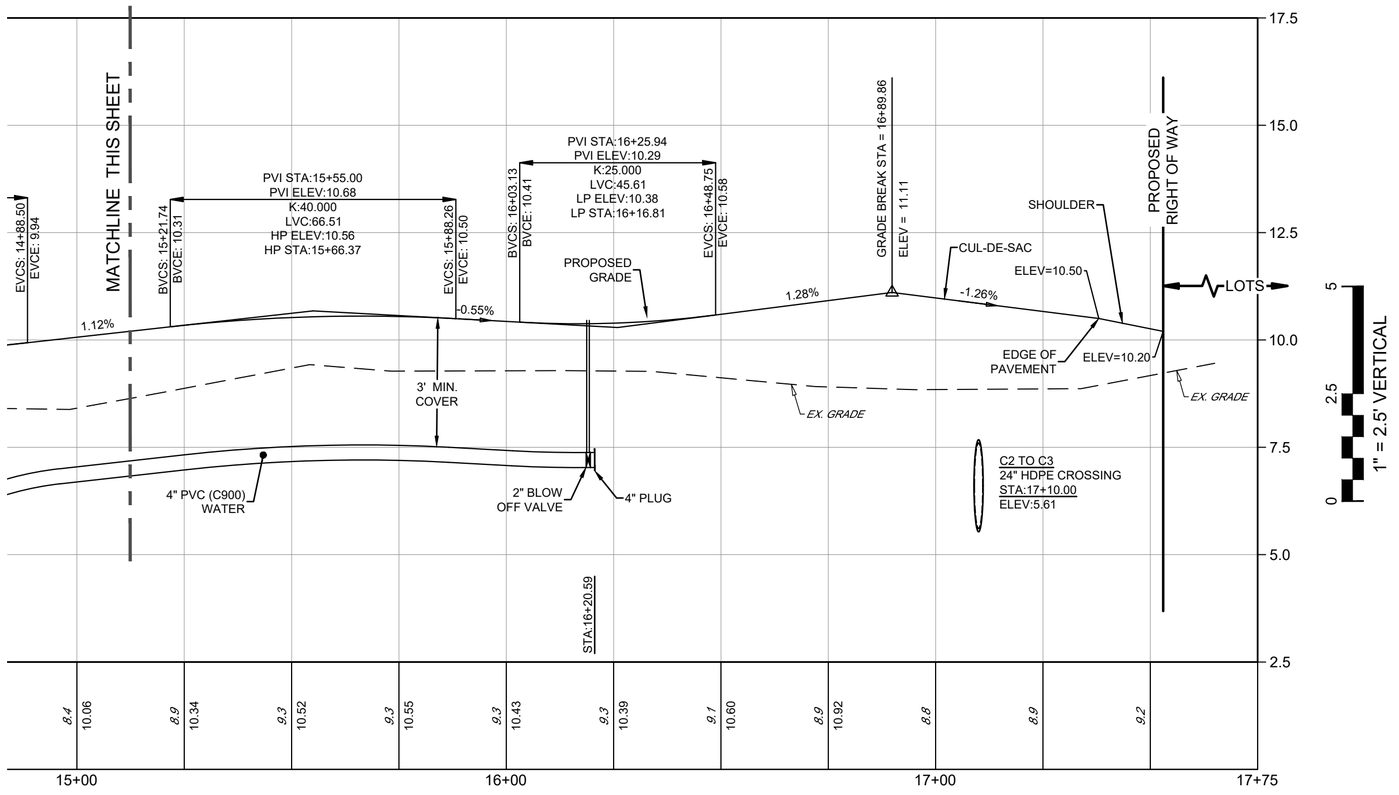
PRELIMINARY SUBDIVISION PLAT
OF
CURRITUCK WAY
POPLAR BRANCH TOWNSHIP
CURRITUCK COUNTY
NORTH CAROLINA
OCTOBER 15, 2026

PRELIMINARY LAYOUT PLAN

Profile View of Alignment - ROAD 'A'







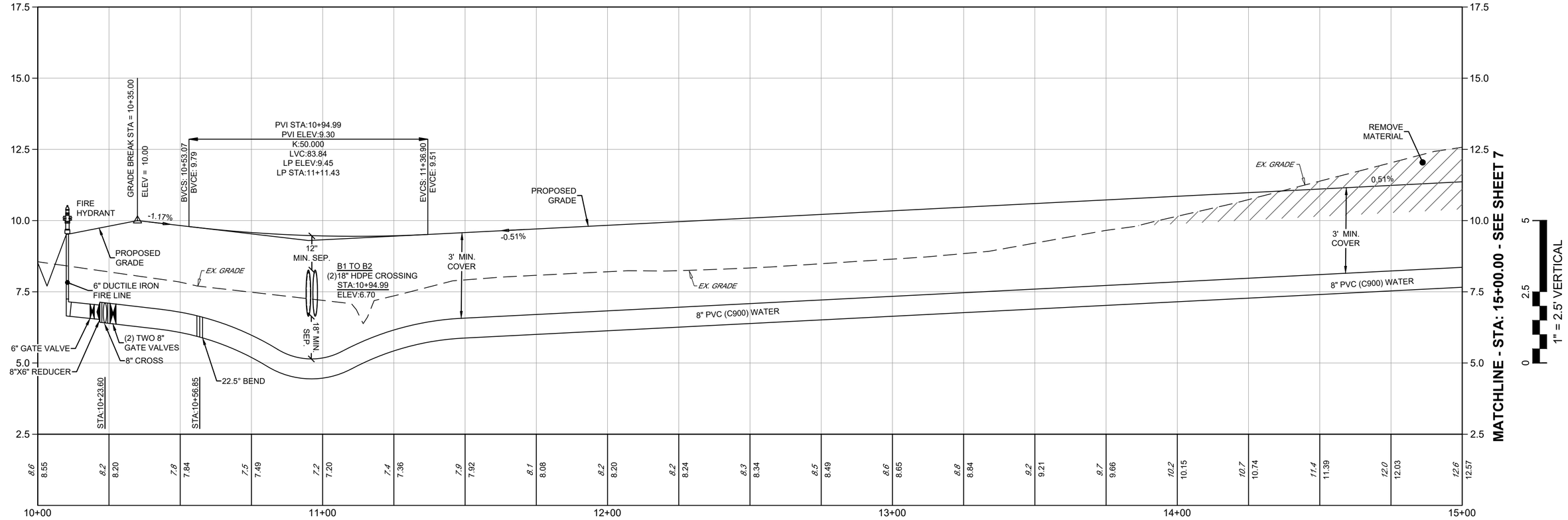
GRAPHIC SCALE

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PRELIMINARY SUBDIVISION PLAT
OF
CURRITUCK WAY
POPLAR BRANCH TOWNSHIP
CURRITUCK COUNTY
NORTH CAROLINA
OCTOBER 15, 2026

ROAD 'A' PROFILE PLAN

Profile View of Alignment - ROAD 'B'



MATCHLINE - STA: 15+00.00 - SEE SHEET 7

0 2.5 5

1" = 2.5' VERTICAL

0 25 50 75

1" = 25' HORIZONTAL

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GRAPHIC SCALE

0 50 100 150

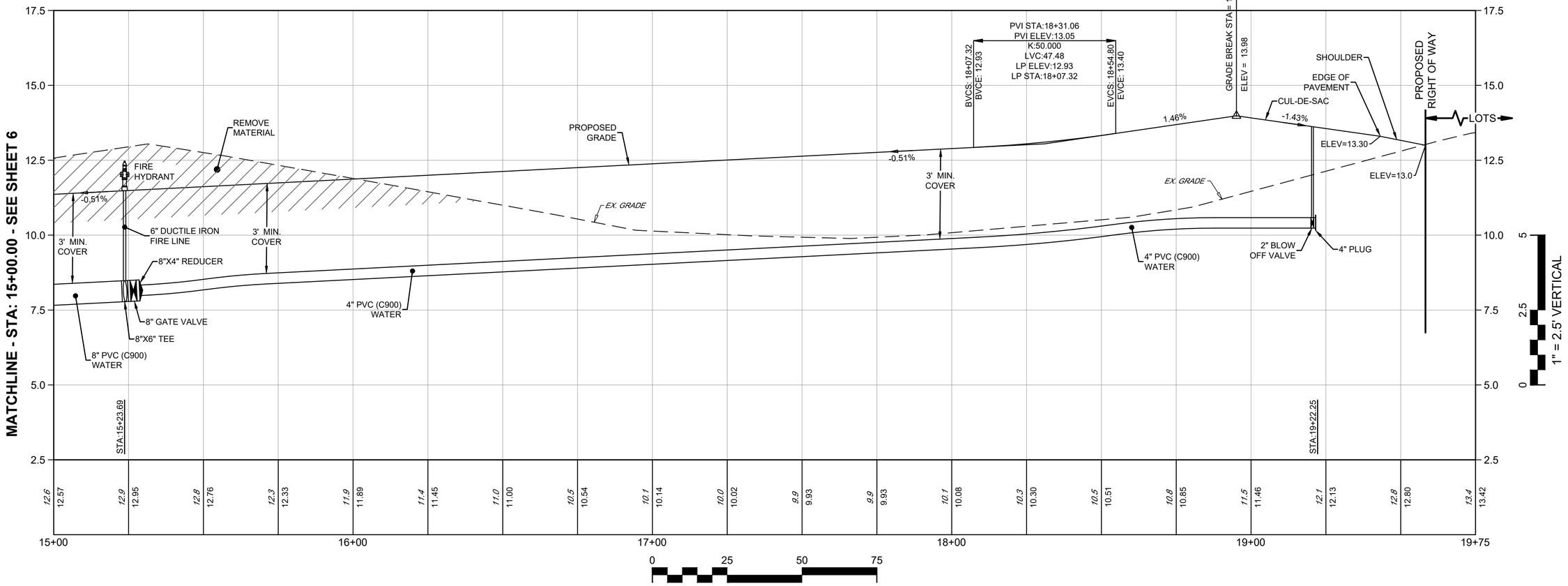
1" = 50'

PRELIMINARY SUBDIVISION PLAT
OF
CURRITUCK WAY
POPLAR BRANCH TOWNSHIP
CURRITUCK COUNTY
NORTH CAROLINA
OCTOBER 15, 2026

ROAD 'B' PROFILE PLAN

SHEET 6 OF 8

Profile View of Alignment - ROAD 'B'



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ENGINEERING SERVICES, LLC
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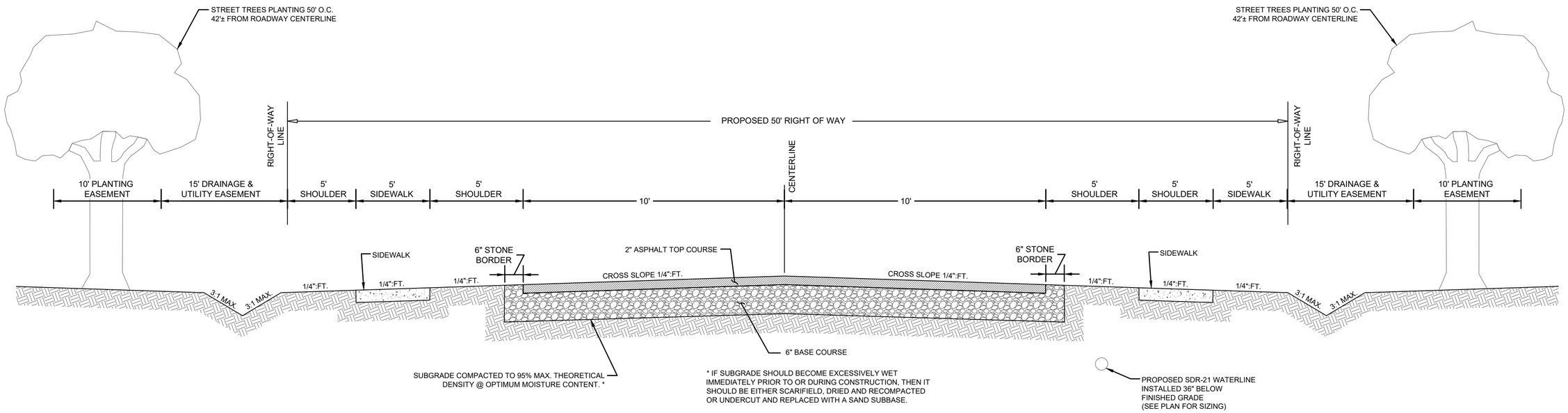
GRAPHIC SCALE

0 50 100 150

1" = 50'

PRELIMINARY SUBDIVISION PLAT
OF
CURRITUCK WAY
POPLAR BRANCH TOWNSHIP
CURRITUCK COUNTY
NORTH CAROLINA
OCTOBER 15, 2026

ROAD 'B' PROFILE PLAN



TYPICAL RIGHT-OF-WAY ASPHALT PAVEMENT SECTION

NTS

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1" = 50'

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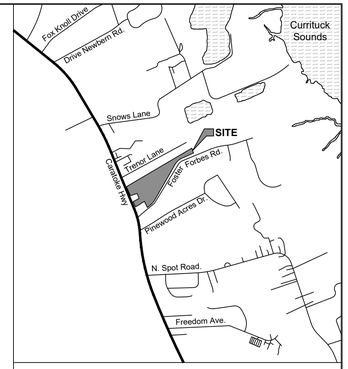
TYPICAL ROAD SECTION

SHEET 8 OF 8

CIVIL LEGEND

EXISTING		NEW
	MANHOLE	
	SANITARY CLEANOUT	
	VALVE	
	WATER METER	
	FIRE HYDRANT	
	WELL	
	DROP INLET	
	CURB INLET	
	GAS METER	
	POWER POLE	
	LIGHT POLE	
	LIGHT POLE /CONCRETE BASE	
	PEDESTAL	
	CURB AND GUTTER	
x	FENCE	x
	PROPERTY LINE	
	BUILDINGS	
18" RCP	STORM SEWER	ST
8" PVC	SANITARY SEWER	SS
w	WATER	w
e	ELECTRIC & TELEPHONE LINE	
	TRAFFIC BOX	
	SIGN	
	TREE	
	BUSH	
	PAVEMENT	
CONC	CONCRETE	
	TEMP0RARY BENCHMARK (TBM)	
10.00	ELEVATIONS	10.0
TC 10.50 FF 10.00	TOP OF CURB ELEVATIONS	TC 10.50 10.00
	TOP OF WALK ELEVATIONS	TW 10.50 10.00

CONSTRUCTION PLANS
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA



LOCATION MAP
SCALE : 1" = 2,000'

SITE DATA

SITE LOCATION:	FOSTER FORBES ROAD & CARATOKE HIGHWAY
PARCEL ID NUMBERS:	012300000950000 & 0123000095A0000
GPINS:	9838-43-0208 & 9838-32-4886
LEGAL DESCRIPTION:	GALLOP-TRACT 1, PLAT BOOK A, PAGE 278 (GPIN: 9838-43-0208) 1 AC. GALLOP, PLAT BOOK A, PAGE 278 (GPIN: 9838-32-4886)
ZONING:	CONDITIONAL MXR (PB 26-02)
PROPOSED USE:	SINGLE FAMILY RESIDENTIAL
SITE AREA:	843,337 S.F. OR 19.360 AC. (GPIN: 9838-43-0208) 32,205 S.F. OR 0.739 AC. (GPIN: 9838-32-4886) 875,542 S.F. OR 20.099 AC. (TOTAL)
DISTURBED AREA:	754,803 S.F. OR 17.33 AC.
SUBDIVISION SUMMARY:	PROPOSED LOT AREA = 510,395 S.F. OR 11.717 AC. PROPOSED RIGHT OF WAY AREA = 93,765 S.F. OR 2.152 AC. PROPOSED OPEN SPACE = 271,382 OR 6.230 AC. TOTAL = 875,542 S.F. OR 20.099 AC. NUMBER OF PROPOSED LOTS: 20 MINIMUM LOT AREA: 20,000 S.F. OR 0.459 PROPOSED RIGHT OF WAY WIDTH: 50 FEET PROPOSED PAVED ROADWAY WIDTH: 20 FEET LINEAR FEET OF NEW ROADWAY: 1,621 FEET
PROPOSED IMPERVIOUS:	LOTS (MAX. 30%) : 153,118 S.F. OR 3.515 AC. ROADWAY: 44,067 S.F. OR 1.012 AC. SIDEWALK: 16,792 S.F. OR 0.385 AC. TOTAL COVERAGE: 213,977 S.F. OR 4.912 AC. (24.4%)
BUILDING SETBACKS:	FRONT AND CORNER SIDE: 20' REAR: 25' SIDE: 10'
SOILS CLASSIFICATION:	CnA, CONETOE LOAMY SAND Ds, DRAGSTON LOAMY FINE SAND No, NIMMO LOAMY SAND
OWNER:	CURRITUCK WAY, LLC F/K/A ITAC 423, LLC 353 SOUNDVIEW DRIVE KILL DEVIL HILLS, NC 27948 PH: 252-202-1292 email: jimobx@aol.com
DEVELOPER/APPLICANT:	C. CHENEY COLE, JR. 1020 QUAIL COVEY LANE VIRGINIA BEACH, VA 23451 email: ccole@slnusbaum.com PH: 757-270-5323
CIVIL ENGINEER:	GADDY ENGINEERING SERVICES, LLC MICHAEL S. GADDY, PE, LS 508 BIRDNECK RD., SUITE D. VIRGINIA BEACH, VIRGINIA 23451 PH: (757)-289-5933 EMAIL: mike@gaddyengineeringservices.com

Sheet List Table

Sheet Number	Sheet Title
C1	COVER SHEET
C2.0	OVERALL TOPOGRAPHIC SURVEY
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C2.2	TOPOGRAPHIC SURVEY
C2.3	TOPOGRAPHIC SURVEY
C3.0	OVERALL DEMOLITION, EROSION, & SEDIMENT PLAN (PHASE I)
C3.1	DEMOLITION, EROSION, & SEDIMENT PLAN (PHASE I)
C3.2	DEMOLITION, EROSION, & SEDIMENT PLAN (PHASE I)
C3.3	DEMOLITION, EROSION, & SEDIMENT PLAN (PHASE I)
C4.0	EROSION & SEDIMENT PLAN (PHASE II)
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C5.1	PLAN & PROFILE
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C6.1	GRADING, DRAINAGE, & STORMWATER PLAN
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C9.4	NCG01 INSPECTION, RECORD KEEPING & REPORTING
C9.5	NCG01 GROUND STABILIZATION & MATERIALS HANDLING

NOTES:

1. THIS PROPERTY APPEARS TO FALL IN FLOOD ZONE **"X"** AS SHOWN ON PANEL **3720983800K** OF THE FLOOD INSURANCE RATE MAPS FOR THE TOWN OF **CURRITUCK**, COMMUNITY NO.: **3720983800K,** DATED **DECEMBER 21, 2018**.
2. NORTH MERIDIAN SHOWN HEREON IS BASED ON NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NAD83/2011 (TOWN OF CURRITUCK). COORDINATE VALUES SHOWN ARE EXPRESSED IN U.S. SURVEY FEET.
3. ELEVATIONS SHOWN HEREON BASED ON NAVD88 AND WERE ESTABLISHED FROM **NGS** VERTICAL CONTROL STATION **"Q 254 RESET"** BRASS DISK, ELEVATION = **11.13'.**
4. ANY AND ALL MATERIAL OR DEBRIS TRACKED ONTO A PUBLIC OR PRIVATE ROAD SURFACE WILL BE REMOVED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR SWEEPING AND BE TRANSPORTED TO A SEDIMENT CONTROLLED DISPOSAL AREA.
5. ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF IN A LAWFUL MANNER.
6. THE PROPERTY CONTAINS NO 404 JURISDICTIONAL WETLANDS AS CONFIRMED BY THE UNITED STATES ARMY CORPS OF ENGINEERS.
7. EXISTING CONDITION INFORMATION BASED ON ACUAL FIELD SURVEY DATA OBTAINED BY GADDY ENGINEERING SERVICES, LLC.
8. DRAINAGE AND UTILITY EASEMENTS WILL BE PROVIDED ON THE FINAL PLATS PREPARED FOR RECORDING OF THIS SUBDIVISION.
   - A 10 FOOT EASEMENT FOR UTILITIES AND DRAINAGE SHALL BE PROVIDED FOR ALL REAR AND SIDE PROPERTY LINES.
   - A 15 FOOT EASEMENT FOR UTILITIES AND DRAINAGE SHALL BE PROVIDED ALONG ALL FRONT PROPERTY LINES.
   - A NON-EXCLUSIVE DRAINAGE EASEMENT SHALL BE DEDICATED TO CURRITUCK COUNTY AND NCDEQ ACROSS ALL OPEN SPACE AREAS AND ALONG ALL MAJOR DRAINAGE WAYS SERVING MORE THAN 5 ACRES.
   - A 10 FOOT EASEMENT TO BE DEDICATED BEYOND THE 15 FOOT FRONT EASEMENT FOR PLANTING AND MAINTENANCE OF STREET TREES.
9. VEGETATION IN OPEN SPACE AREAS SHALL BE MAINTAINED.
10. ALL NEW UTILITIES SHALL BE INSTALLED UNDERGROUND.

PRIOR TO CONSTRUCTION, CONTRACTOR SHALL CALL
"MISS UTILITY"
OF NORTH CAROLINA
DIAL - 811
FOR LOCATION OF UNDER GROUND UTILITIES

North Carolina 811 www.nc811.org

STORMWATER CERTIFICATE:

I, _____, OWNER / AGENT HEREBY CERTIFY THIS INFORMATION INCLUDED ON THIS AND ATTACHED PAGES IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

ON THE PLAN ENTITLED, CONSTRUTION PLANS FOR CURRITUCK WAY SUBDIVISION, STORMWATER DRAINAGE IMPROVEMENTS SHALL BE INSTALLED ACCORDING TO THESE PLANS AND SPECIFICATIONS AND APPROVED BY CURRITUCK COUNTY. YEARLY INSPECTIONS ARE AS PART OF THE STORMWATER PLAN. THE OWNER IS RESPONSIBLE FOR ALL MAINTENANCE REQUIRED. CURRITUCK COUNTY ASSUMES NO RESPONSIBILITY FOR THE DESIGN, MAINTENANCE, OR PERFORMANCE OF THE STORMWATER IMPROVEMENTS.

_____ DATE

_____ OWNER / AGENT

GADDY ENGINEERING SERVICES, LLC
508 N. Birdneck Rd.
Virginia Beach, Virginia 23451
mike.gaddy@gmail.com
(757)289-5933

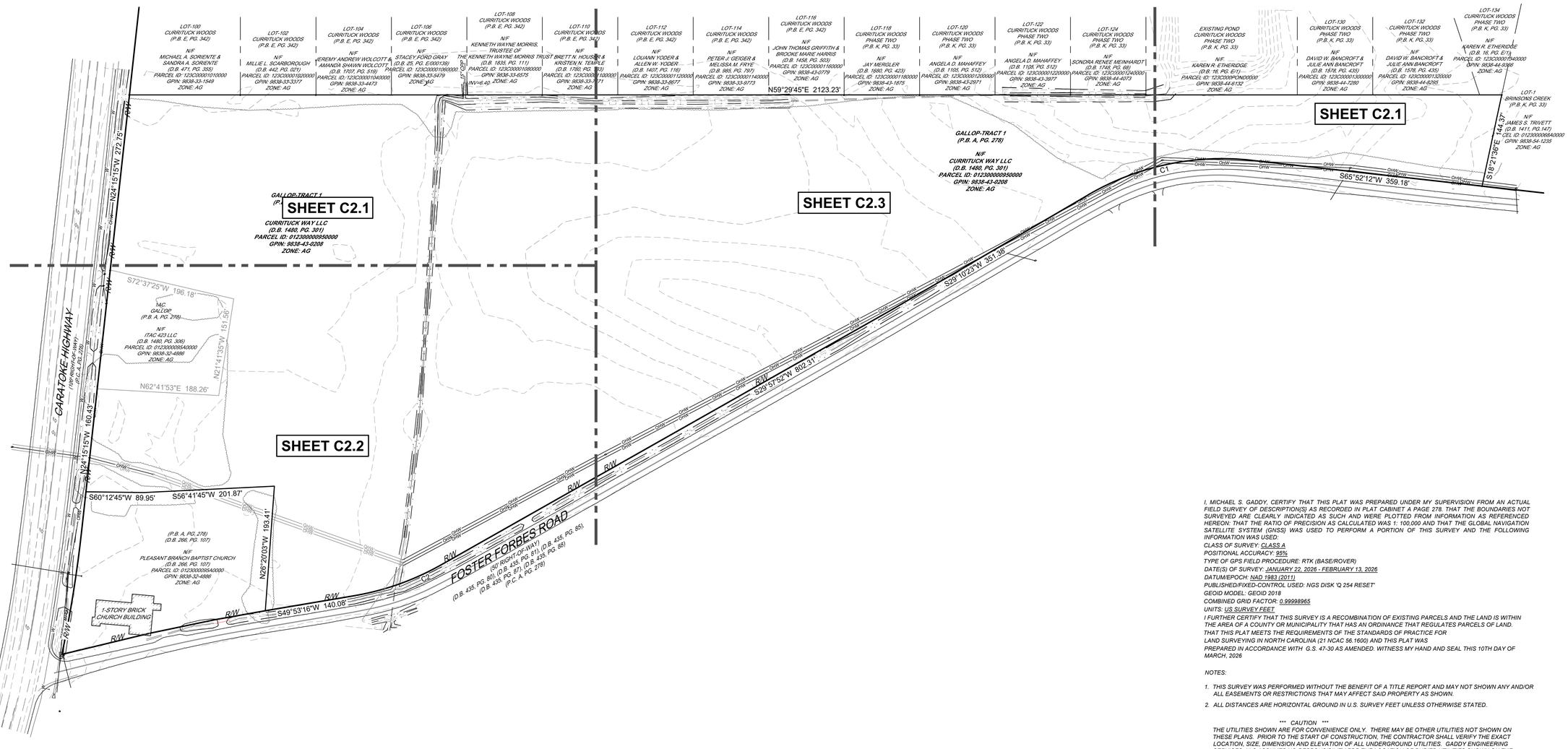
NORTH CAROLINA PROFESSIONAL SEAL 033961 ENGINEER MICHAEL S. GADDY
10.13.2026

PLAN STATUS

DATE	INITIAL	DESCRIPTION
10.13.2026	MSG	1st County Submittal

COVER SHEET

C1



CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD BEARING
C1	262.60'	410.00'	036°41'49"	135.98'	258.13'	S47° 31' 18"W
C2	142.57'	410.00'	019°55'23"	72.01'	141.85'	N39° 55' 34"E

NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NAD 1983 (HARN)

NORTH CAROLINA PROFESSIONAL LAND SURVEYOR SEAL L-5622 10.13.2026 MICHAEL S. GADDY

GADDY ENGINEERING SERVICES, LLC

GADDY ENGINEERING SERVICES, LLC
508 N. BIRDNECK RD. SUITE D
VIRGINIA BEACH, VIRGINIA 23451
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

REVISION DATE | REVISION DESCRIPTION | REV. NO. | REV. BY

I, MICHAEL S. GADDY, CERTIFY THAT THIS PLAT WAS PREPARED UNDER MY SUPERVISION FROM AN ACTUAL FIELD SURVEY OF DESCRIPTION(S) AS RECORDED IN PLAT CABINET A PAGE 278. THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS SUCH AND WERE PLOTTED FROM INFORMATION AS REFERENCED HEREON; THAT THE RATIO OF PRECISION AS CALCULATED WAS 1: 100,000 AND THAT THE GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) WAS USED TO PERFORM A PORTION OF THIS SURVEY AND THE FOLLOWING INFORMATION WAS USED:
CLASS OF SURVEY: CLASS A
POSITIONAL ACCURACY: 95%
TYPE OF GPS FIELD PROCEDURE: RTK (BASE/ROVER)
DATE(S) OF SURVEY: JANUARY 22, 2026 - FEBRUARY 13, 2026
DATUM/EPOCH: NAD 1983 (2011)
PUBLISHED/FIXED-CONTROL USED: NGS DISK "Q 254 RESET"
GEOID MODEL: GEOID 2018
COMBINED GRID FACTOR: 0.99998965
UNITS: US SURVEY FEET
I FURTHER CERTIFY THAT THIS SURVEY IS A RECOMBINATION OF EXISTING PARCELS AND THE LAND IS WITHIN THE AREA OF A COUNTY OR MUNICIPALITY THAT HAS AN ORDINANCE THAT REGULATES PARCELS OF LAND. THAT THIS PLAT MEETS THE REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA (21 NCAC 56.1600) AND THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED. WITNESS MY HAND AND SEAL THIS 10TH DAY OF MARCH, 2026

NOTES:

1. *THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT AND MAY NOT SHOWN ANY AND/OR ALL EASEMENTS OR RESTRICTIONS THAT MAY AFFECT SAID PROPERTY AS SHOWN.*
2. *ALL DISTANCES ARE HORIZONTAL GROUND IN U.S. SURVEY FEET UNLESS OTHERWISE STATED.*

**** CAUTION ****

THE UTILITIES SHOWN ARE FOR CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, SIZE, DIMENSION AND ELEVATION OF ALL UNDERGROUND UTILITIES. GADDY ENGINEERING SERVICES, LLC ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF BURIED UTILITIES SHOWN ON THE PLANS OR LACK THEREOF. THE CONTRACTOR IS RESPONSIBLE FOR HIRING A PROFESSIONAL SUBSURFACE UTILITY LOCATOR FOR FIELD VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES WITHIN THE LIMITS OF WORK. FOR MORE INFORMATION REGARDING THE LOCATION OF UNDERGROUND UTILITIES CALL MISS UTILITIES AT 1-800-632-4949 OR DIAL 811 IN NORTH CAROLINA. ANY DISCREPANCIES IN REFERENCED HORIZONTAL LOCATIONS, ELEVATIONS, DIMENSIONS OR DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK. ANY DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

LEGEND

- ○ IRON PIN FOUND - PIN(F)
- ● IRON PIN SET - PIN(S)
- □ CONC. STEEL PIN FOUND - PIN(F)
- ■ CONC. STEEL PIN SET - PIN(S)

0 80 160 240

OVERALL TOPOGRAPHIC SURVEY
FOR
CURRITUCK WAY SUBDIVISION

POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C2.0

2 of 28 Sheets

SCALE: 1" = 80'

NORTH CAROLINA PROFESSIONAL SEAL L-5622 10.13.2026 LAND SURVEYOR MICHAEL S. GADDY

NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NAD 1983 (HARN)

GADDY
ENGINEERING SERVICES, LLC

GADDY ENGINEERING SERVICES, LLC
508 N. BIRDNECK RD. SUITE D
VIRGINIA BEACH, VIRGINIA 23451
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

REVISION DESCRIPTION
REV. NO. REV. BY

TOPOGRAPHIC SURVEY
FOR
CURRITUCK WAY SUBDIVISION

POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C2.1

3 of 28 Sheets

SCALE: 1" = 30'

0 30 60 90

MATCHLINE - SEE SHEET C2.3

MATCHLINE - SEE SHEET C2.2

FOSTER FORBES ROAD
(50' RIGHT-OF-WAY)
(D.B. 435, PG. 80), (D.B. 435, PG. 81), (D.B. 435, PG. 85), (D.B. 435, PG. 83), (D.B. 435, PG. 88)
(P.C. A, PG. 278)

ASPHALT

S65°52'12"W 359.18'

S18°21'56"E 144.37'

N24°15'15"W 827.75'

GALLOP-TRACT 1
(P.B. A, PG. 278)

N/F
CURRITUCK WAY LLC
(D.B. 1480, PG. 301)
PARCEL ID: 012300000950000
GPIN: 9838-43-0208
ZONE: AG

EXISTING POND
CURRITUCK WOODS
PHASE TWO
(P.B. K, PG. 33)

N/F
KAREN R. ETHERIDGE
(D.B. 16, PG. E/1)
PARCEL ID: 123C0000POND0000
GPIN: 9838-44-8132
ZONE: AG

LOT-130
CURRITUCK WOODS
PHASE TWO
(P.B. K, PG. 33)

N/F
DAVID W. BANCROFT &
JULIE ANN BANCROFT
(D.B. 1578, PG. 435)
PARCEL ID: 123C0001300000
GPIN: 9838-44-7280
ZONE: AG

LOT-132
CURRITUCK WOODS
PHASE TWO
(P.B. K, PG. 33)

N/F
DAVID W. BANCROFT &
JULIE ANN BANCROFT
(D.B. 1578, PG. 435)
PARCEL ID: 123C0001320000
GPIN: 9838-44-8295
ZONE: AG

LOT-134
CURRITUCK WOODS
PHASE TWO
(P.B. K, PG. 33)

N/F
KAREN R. ETHERIDGE
(D.B. 16, PG. E/1)
PARCEL ID: 123C0000/1340000
GPIN: 9838-44-9366
ZONE: AG

LOT-1
BRINSONS CREEK
(P.B. K, PG. 33)

N/F
JAMES S. TROVETT
(D.B. 1411, PG. 147)
PARCEL ID: 012300000A40000
GPIN: 9838-54-1235
ZONE: AG

LOT-100
CURRITUCK WOODS
(P.B. E, PG. 342)

N/F
MICHAEL A. SORIENTE &
SANDRA A. SORIENTE
(D.B. 471, PG. 355)
PARCEL ID: 123C0000101000
GPIN: 9838-33-1549
ZONE: AG

LOT-102
CURRITUCK WOODS
(P.B. E, PG. 342)

N/F
MILLIE L. SSARBOROUGH
(D.B. 442, PG. 021)
PARCEL ID: 123C0000102000
GPIN: 9838-33-3377
ZONE: AG

LOT-104
CURRITUCK WOODS
(P.B. E, PG. 342)

N/F
JEREMY ANDREW WOLCOTT &
AMANDA SHAWN WOLCOTT
(D.B. 1707, PG. 519)
PARCEL ID: 123C0000104000
GPIN: 9838-33-4473
ZONE: AG

LOT-106
CURRITUCK WOODS
(P.B. E, PG. 342)

N/F
STACEY FORD GRAY
(D.B. 25, PG. E/000139)
PARCEL ID: 123C0000106900
GPIN: 9838-33-5479
ZONE: AG

LOT-108
CURRITUCK WOODS
(P.B. E, PG. 342)

N/F
KENNETH WAYNE MORRIS,
TRUSTEE OF
THE KENNETH WAYNE MORRIS TRUST
(D.B. 1556, PG. 111)
PARCEL ID: 123C0000108000
GPIN: 9838-33-6575
ZONE: AG

LOT-110
CURRITUCK WOODS
(P.B. E, PG. 342)

N/F
BRETT N. HOUSER &
KRISTEN N. TEMPLE
(D.B. 1780, PG. 133)
PARCEL ID: 123C0000110000
GPIN: 9838-33-7671
ZONE: AG

GALLOP-TRACT 1
(P.B. A, PG. 278)

N/F
CURRITUCK WAY LLC
(D.B. 1480, PG. 301)
PARCEL ID: 012300000950000
GPIN: 9838-43-0208
ZONE: AG

UTILITY POLE
TREELINE
OHW
C1
PIN(F)
R/W
TOP OF BANK
TOE OF SLOPE
DITCH
ASPHALT
INV=6.40
INV=7.75



NORTH CAROLINA PROFESSIONAL LAND SURVEYOR SEAL L-5622 10.13.2026 MICHAEL S. GADDY

GADDY ENGINEERING SERVICES, LLC

GADDY ENGINEERING SERVICES, LLC
508 N. BIRDNECK RD. SUITE D
VIRGINIA BEACH, VIRGINIA 23451
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

REV. NO.	REV. BY	REVISION	DESCRIPTION	REVISION DATE

TOPOGRAPHIC SURVEY FOR CURRITUCK WAY SUBDIVISION

---- / ---

POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C2.2

4 of 28 Sheets

SCALE: 1" = 30'

LOT-110
CURRITUCK WOODS
(P.B. E, PG. 342)

N/F
BRETT N. HOUSER &
KRISTEN N. TEMPLE
(D.B. 1780, PG. 133)
PARCEL ID: 123C000011000000
GPIN: 9838-33-7671
ZONE: AG

LOT-112
CURRITUCK WOODS
(P.B. E, PG. 342)

N/F
LOUANN YODER &
ALLEN W. YODER
(D.B. 1407, PG. 116)
PARCEL ID: 123C000011200000
GPIN: 9838-33-8677
ZONE: AG

LOT-114
CURRITUCK WOODS
(P.B. E, PG. 342)

N/F
PETER J. GEIGER &
MELISSA M. FRYE
(D.B. 985, PG. 797)
PARCEL ID: 123C000011140000
GPIN: 9838-33-9773
ZONE: AG

LOT-116
CURRITUCK WOODS
(P.B. E, PG. 342)

N/F
JOHN THOMAS GRIFFITH &
BROOKE MARIE HARRIS
(D.B. 1458, PG. 503)
PARCEL ID: 123C000011160000
GPIN: 9838-43-0779
ZONE: AG

LOT-118
CURRITUCK WOODS
PHASE TWO
(P.B. K, PG. 33)

N/F
JAY MERGLER
(D.B. 1680, PG. 423)
PARCEL ID: 123C000011180000
GPIN: 9838-43-1875
ZONE: AG

LOT-120
CURRITUCK WOODS
PHASE TWO
(P.B. K, PG. 33)

N/F
ANGELA D. MAHAFFEY
(D.B. 1105, PG. 512)
PARCEL ID: 123C000012000000
GPIN: 9838-43-2971
ZONE: AG

LOT-122
CURRITUCK WOODS
PHASE TWO
(P.B. K, PG. 33)

N/F
ANGELA D. MAHAFFEY
(D.B. 1105, PG. 512)
PARCEL ID: 123C000012020000
GPIN: 9838-43-3977
ZONE: AG

LOT-124
CURRITUCK WOODS
PHASE TWO
(P.B. K, PG. 33)

N/F
SONDRA RENEE MEINHARDT
(D.B. 1748, PG. 68)
PARCEL ID: 123C000012040000
GPIN: 9838-44-4073
ZONE: AG

GALLOP-TRACT 1
(P.B. A, PG. 278)

N/F
CURRITUCK WAY LLC
(D.B. 1489, PG. 301)
PARCEL ID: 012300000950000
GPIN: 9838-43-0208
ZONE: AG

N59°29'45"E 2123.23'

S29°10'23"W 351.38'

S29°57'52"W 802.31'

FOSTER FORBES ROAD
(D.B. 435, PG. 60), (D.B. 1458, PG. 503), (D.B. 435, PG. 87), (D.B. 435, PG. 87), (D.B. 435, PG. 68), (P.C. A, PG. 278)

MATCHLINE - SEE SHEET C2.1

MATCHLINE - SEE SHEET C2.1

MATCHLINE - SEE SHEET C2.2

MATCHLINE - SEE SHEET C2.2

TOP OF BANK
TOE OF SLOPE
DITCH
TREELINE
UTILITY POLE
OHW
ASPHALT
R/W
INV=6.32'
18" CMP
EP1

NORTH CAROLINA PROFESSIONAL SEAL L-5622 10.13.2026 LAND SURVEYOR MICHAEL S. GADDY

GADDY
ENGINEERING SERVICES, LLC

GADDY ENGINEERING SERVICES, LLC
508 N. BIRDNECK RD. SUITE D
VIRGINIA BEACH, VIRGINIA 23451
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

REV. NO.	REV. BY	REVISION	DESCRIPTION

TOPOGRAPHIC SURVEY
FOR
CURRITUCK WAY SUBDIVISION

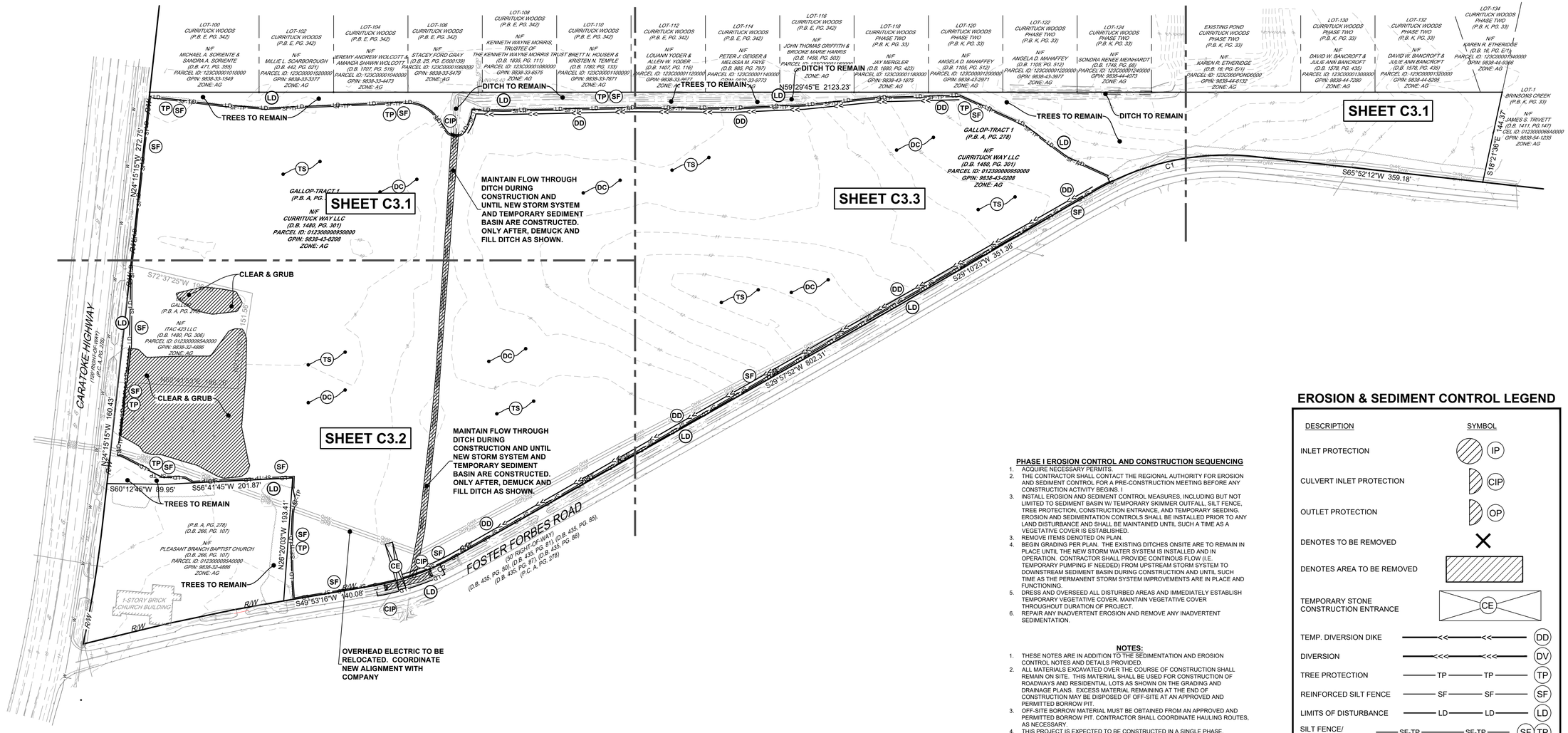
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C2.3

5 of 28 Sheets

SCALE: 1" = 30'

0 30 60 90



EROSION & SEDIMENT CONTROL LEGEND

DESCRIPTION	SYMBOL
INLET PROTECTION	IP
CULVERT INLET PROTECTION	CIP
OUTLET PROTECTION	OP
DENOTES TO BE REMOVED	X
DENOTES AREA TO BE REMOVED	
TEMPORARY STONE CONSTRUCTION ENTRANCE	CE
TEMP. DIVERSION DIKE	DD
DIVERSION	DV
TREE PROTECTION	TP
REINFORCED SILT FENCE	SF
LIMITS OF DISTURBANCE	LD
SILT FENCE/ TREE PROTECTION	SF-TP
DUST CONTROL	DC

PHASE I EROSION CONTROL AND CONSTRUCTION SEQUENCING

1. ACQUIRE NECESSARY PERMITS.
2. THE CONTRACTOR SHALL CONTACT THE REGIONAL AUTHORITY FOR EROSION AND SEDIMENT CONTROL FOR A PRE-CONSTRUCTION MEETING BEFORE ANY CONSTRUCTION ACTIVITY BEGINS. I
3. INSTALL EROSION AND SEDIMENT CONTROL MEASURES, INCLUDING BUT NOT LIMITED TO SEDIMENT BASIN W/ TEMPORARY SKIMMER OUTFALL, SILT FENCE, TREE PROTECTION, CONSTRUCTION ENTRANCE, AND TEMPORARY SEEDING. EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBANCE AND SHALL BE MAINTAINED UNTIL SUCH A TIME AS A VEGETATIVE COVER IS ESTABLISHED.
3. REMOVE ITEMS DENOTED ON PLAN.
4. BEGIN GRADING PER PLAN. THE EXISTING DITCHES ONSITE ARE TO REMAIN IN PLACE UNTIL THE NEW STORM WATER SYSTEM IS INSTALLED AND IN OPERATION. CONTRACTOR SHALL PROVIDE CONTINOUS FLOW (I.E. TEMPORARY PUMPING IF NEEDED) FROM UPSTREAM STORM SYSTEM TO DOWNSTREAM SEDIMENT BASIN DURING CONSTRUCTION AND UNTIL SUCH TIME AS THE PERMANENT STORM SYSTEM IMPROVEMENTS ARE IN PLACE AND FUNCTIONING.
5. DRESS AND OVERSEED ALL DISTURBED AREAS AND IMMEDIATELY ESTABLISH TEMPORARY VEGETATIVE COVER. MAINTAIN VEGETATIVE COVER THROUGHOUT DURATION OF PROJECT.
6. REPAIR ANY INADVERTENT EROSION AND REMOVE ANY INADVERTENT SEDIMENTATION.

NOTES:

1. THESE NOTES ARE IN ADDITION TO THE SEDIMENTATION AND EROSION CONTROL NOTES AND DETAILS PROVIDED.
2. ALL MATERIALS EXCAVATED OVER THE COURSE OF CONSTRUCTION SHALL REMAIN ON SITE. THIS MATERIAL SHALL BE USED FOR CONSTRUCTION OF ROADWAYS AND RESIDENTIAL LOTS AS SHOWN ON THE GRADING AND DRAINAGE PLANS. EXCESS MATERIAL REMAINING AT THE END OF CONSTRUCTION MAY BE DISPOSED OF OFF-SITE AT AN APPROVED AND PERMITTED BORROW PIT.
3. OFF-SITE BORROW MATERIAL MUST BE OBTAINED FROM AN APPROVED AND PERMITTED BORROW PIT. CONTRACTOR SHALL COORDINATE HAULING ROUTES, AS NECESSARY.
4. THIS PROJECT IS EXPECTED TO BE CONSTRUCTED IN A SINGLE PHASE.
5. THE FOLLOWING IS AN ESTIMATE OF THE CUT AND FILL VOLUMES FOR THE SITE. THESE VOLUMES ARE GROSS VOLUME ESTIMATES AND ARE PROVIDED FOR PERMITTING PURPOSES ONLY. CONTRACTOR SHALL NOT RELY ON THESE VOLUMES FOR PRICING OR ESTIMATING THE WORK. CONTRACTOR IS RESPONSIBLE FOR THEIR OWN TAKE-OFFS TO ACCOMPLISH THE WORK, WHICH INCLUDES ANY VOLUME OF EXCAVATED MATERIAL OR IMPORTED FILL MATERIAL.

APPROXIMATE CUT VOLUME = 20,700 C.Y.
APPROXIMATE FILL VOLUME = 19,650 C.Y.

0 80 160 240

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033961 10.13.2026 ENGINEER MICHAEL S. GADDY

GADDY ENGINEERING SERVICES, LLC
508 N. BIRDNECK RD. SUITE D
VIRGINIA BEACH, VIRGINIA 23451
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

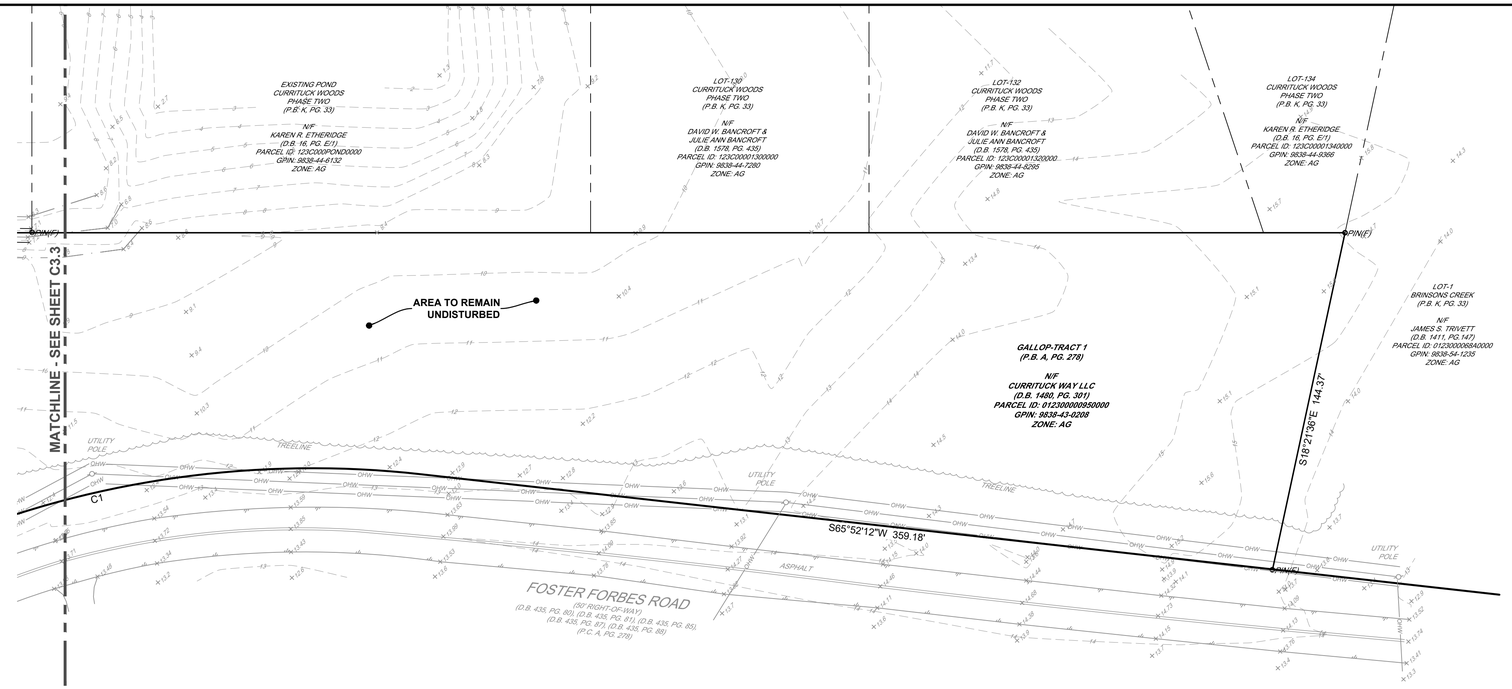
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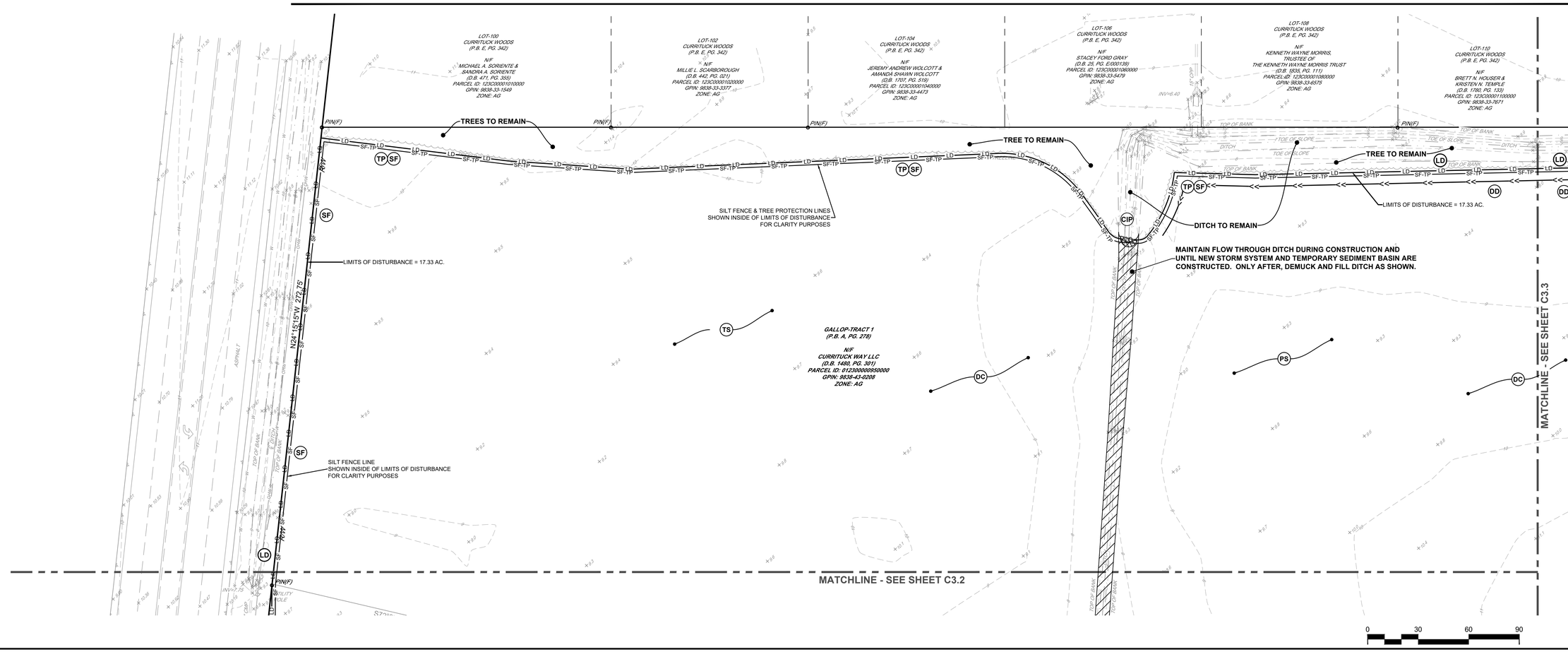
OVERALL DEMOLITION, EROSION, & SEDIMENT PLAN (PHASE I)
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C3.0

6 of 28 Sheets

SCALE: 1" = 80'





NORTH CAROLINA
PROFESSIONAL ENGINEER
SEAL
033961
10.13.2026
ENGINEER
MICHAEL S. GADDY

GADDY
ENGINEERING SERVICES, LLC

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VIRGINIA BEACH, VIRGINIA 23451
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

REV. NO.	REV. BY	REVISION	DESCRIPTION

DEMOLITION, EROSION, & SEDIMENT PLAN (PHASE I)
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C3.1

7 of 28 Sheets

SCALE: 1" = 30'

MATCHLINE - SEE SHEET C3.1

MATCHLINE - SEE SHEET C3.3

NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NAD 1983 (HARN)

CARATOKE HIGHWAY
(100' RIGHT-OF-WAY)
(P.C. A, PG. 278)

ASPHALT

EDGE OF WATER

EDGE BANK

E DITCH

TREELINE

TOP OF BANK

TOP OF DITCH

UTILITY POLE

OHW

INV=7.75

INV=6.97

INV=6.54

INV=6.08

INV=6.53

INV=4.53

PIN(F)

S72°37'25"W 196.18'

N24°15'15"W 160.45'

N63°21'24"E 109.26'

N21°44'36"W 151.56'

S60°12'45"W 89.95'

S56°41'45"W 201.87'

N28°20'03"W 193.41'

S49°53'16"W 140.08'

R/W

CLEAR & GRUB

LIMITS OF DISTURBANCE = 17.33 AC.

1AC.
GALLOP
(P.B. A, PG. 278)

N/F
ITIAC 423 LLC
(D.B. 1480, PG. 306)
PARCEL ID: 012300000540000
GPIN: 9838-32-4886
ZONE: AG

TREE TO REMAIN

TREES TO REMAIN

GALLOP-TRACT 1
(P.B. A, PG. 278)

N/F
CURRITUCK WAY LLC
(D.B. 1480, PG. 301)
PARCEL ID: 012300000950000
GPIN: 9838-43-0268
ZONE: AG

SILT FENCE & TREE PROTECTION LINES SHOWN INSIDE OF LIMITS OF DISTURBANCE FOR CLARITY PURPOSES

OVERHEAD ELECTRIC TO BE RELOCATED. COORDINATE NEW ALIGNMENT WITH COMPANY

(P.B. A, PG. 278)
(D.B. 266, PG. 107)

N/F
PLEASANT BRANCH BAPTIST CHURCH
(D.B. 266, PG. 107)
PARCEL ID: 012300000540000
GPIN: 9838-32-4886
ZONE: AG

1-STORY BRICK CHURCH BUILDING

DROP INLET
RIM=9.10
INV(N)=6.37
INV(S)=6.28

FLARED END SECTION

LIGHT POLE

(2) SIGN

WATER VALVE

FILL DITCH W/ APPROVED MAT'L

MAINTAIN FLOW THROUGH DITCH DURING CONSTRUCTION AND UNTIL NEW STORM SYSTEM AND TEMPORARY SEDIMENT BASIN ARE CONSTRUCTED. ONLY AFTER, DEMUCK AND FILL DITCH AS SHOWN.

FOSTER FORBES ROAD
(50' RIGHT-OF-WAY)
(D.B. 435, PG. 80), (D.B. 435, PG. 81), (D.B. 435, PG. 85), (D.B. 435, PG. 87), (D.B. 435, PG. 88)
(P.C. A, PG. 278)

DITCH

ASPHALT

0 30 60 90

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033961 10.13.2026 MICHAEL S. GADDY

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CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

REVISIONS: NO. | DESCRIPTION | DATE

DEMOLITION, EROSION, & SEDIMENT PLAN (PHASE I)
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C3.2

8 of 28 Sheets

SCALE: 1" = 30'

LOT-110
CURRITUCK WOODS
(P.B. E, PG. 342)

N/F
BRETT N. HOUSER &
KRISTEN N. TEMPLE
(D.B. 1780, PG. 133)
PARCEL ID: 123C000011000000
GPIN: 9838-33-7671
ZONE: AG

LOT-112
CURRITUCK WOODS
(P.B. E, PG. 342)

N/F
LOUANN YODER &
ALLEN W. YODER
(D.B. 1407, PG. 116)
PARCEL ID: 123C000011200000
GPIN: 9838-33-8677
ZONE: AG

LOT-114
CURRITUCK WOODS
(P.B. E, PG. 342)

N/F
PETER J. GEIGER &
MELISSA M. FRYE
(D.B. 985, PG. 797)
PARCEL ID: 123C000011400000
GPIN: 9838-33-9773
ZONE: AG

LOT-116
CURRITUCK WOODS
(P.B. E, PG. 342)

N/F
JOHN THOMAS GRIFFITH &
BROOKE MARIE HARRIS
(D.B. 1458, PG. 503)
PARCEL ID: 123C000011600000
GPIN: 9838-43-0779
ZONE: AG

LOT-118
CURRITUCK WOODS
PHASE TWO
(P.B. K, PG. 33)

N/F
JAY MERGLER
(D.B. 1680, PG. 423)
PARCEL ID: 123C000011800000
GPIN: 9838-43-1875
ZONE: AG

LOT-120
CURRITUCK WOODS
PHASE TWO
(P.B. K, PG. 33)

N/F
ANGELA D. MAHAFFEY
(D.B. 1105, PG. 512)
PARCEL ID: 123C000012000000
GPIN: 9838-43-2971
ZONE: AG

LOT-122
CURRITUCK WOODS
PHASE TWO
(P.B. K, PG. 33)

N/F
ANGELA D. MAHAFFEY
(D.B. 1105, PG. 512)
PARCEL ID: 123C000012200000
GPIN: 9838-43-3977
ZONE: AG

LOT-124
CURRITUCK WOODS
PHASE TWO
(P.B. K, PG. 33)

N/F
SONDRA RENEE MEINHARDT
(D.B. 1748, PG. 60)
PARCEL ID: 123C000012400000
GPIN: 9838-44-4073
ZONE: AG

GALLOP-TRACT 1
(P.B. A, PG. 278)

N/F
CURRITUCK WAY LLC
(D.B. 1489, PG. 301)
PARCEL ID: 012300000950000
GPIN: 9838-43-0208
ZONE: AG

MATCHLINE - SEE SHEET C3.1

MATCHLINE - SEE SHEET C3.2

N59°29'45"E 2123.23'

S29°10'23"W 351.38'

S29°57'52"W 802.31'

TREES TO REMAIN

DITCH TO REMAIN

SILT FENCE & TREE PROTECTION LINES SHOWN INSIDE OF LIMITS OF DISTURBANCE FOR CLARITY PURPOSES

SILT FENCE LINE SHOWN INSIDE OF LIMITS OF DISTURBANCE FOR CLARITY PURPOSES

LIMITS OF DISTURBANCE = 17.33 AC.

TURBANCE = 17.33 AC.

FOSTER FORBES ROAD
(50' RIGHT-OF-WAY)
(D.B. 435, PG. 85), (D.B. 435, PG. 81), (D.B. 435, PG. 85),
(D.B. 435, PG. 87), (D.B. 435, PG. 88)
(P.C. A, PG. 278)

NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NAD 1983 (NSRS)

UTILITY POLE

ASPHALT

TOP OF BANK

TOE OF SLOPE

DITCH

INV=6.32'

0 30 60 90

NORTH CAROLINA
PROFESSIONAL ENGINEER
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10.13.2026
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757-289-5933

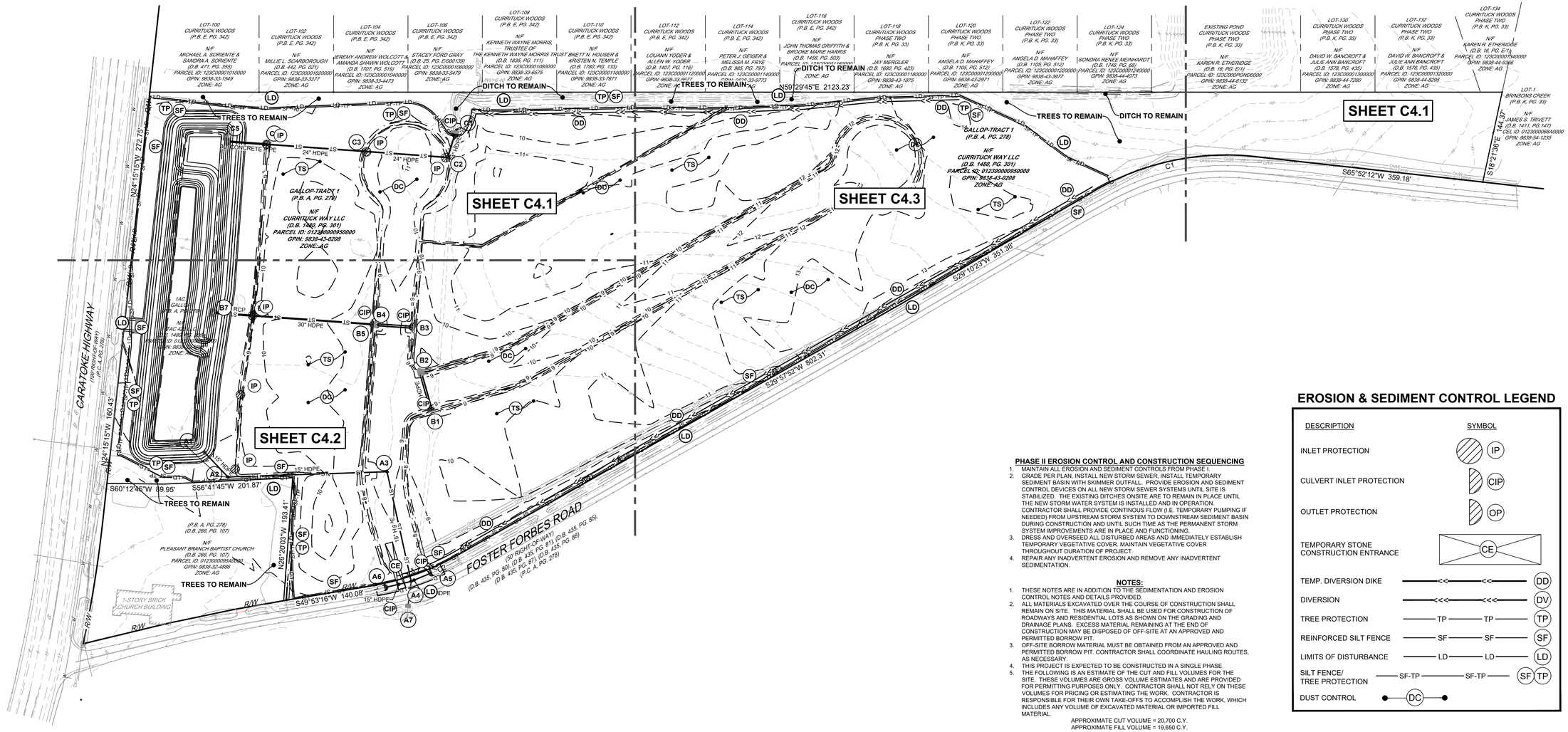
REVISION DATE	REVISION DESCRIPTION	REV. NO.	REV. BY

DEMOLITION, EROSION, & SEDIMENT PLAN (PHASE I)
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C3.3

9 of 28 Sheets

SCALE: 1" = 30'



EROSION & SEDIMENT CONTROL LEGEND

DESCRIPTION	SYMBOL
INLET PROTECTION	IP
CULVERT INLET PROTECTION	CIP
OUTLET PROTECTION	OP
TEMPORARY STONE CONSTRUCTION ENTRANCE	CE
TEMP. DIVERSION DIKE	DD
DIVERSION	DV
TREE PROTECTION	TP
REINFORCED SILT FENCE	SF
LIMITS OF DISTURBANCE	LD
SILT FENCE/ TREE PROTECTION	SF-TP
DUST CONTROL	DC

PHASE II EROSION CONTROL AND CONSTRUCTION SEQUENCING

1. MAINTAIN ALL EROSION AND SEDIMENT CONTROLS FROM PHASE I.
2. GRADE PER PLAN, INSTALL NEW STORM SEWER, INSTALL TEMPORARY SEDIMENT BASIN WITH SKIMMER OUTFALL. PROVIDE EROSION AND SEDIMENT CONTROL DEVICES ON ALL NEW STORM SEWER SYSTEMS UNTIL SITE IS STABILIZED. THE EXISTING DITCHES ONSITE ARE TO REMAIN IN PLACE UNTIL THE NEW STORM WATER SYSTEM IS INSTALLED AND IN OPERATION. CONTRACTOR SHALL PROVIDE CONTINOUS FLOW (I.E. TEMPORARY PUMPING IF NEEDED) FROM UPSTREAM STORM SYSTEM TO DOWNSTREAM SEDIMENT BASIN DURING CONSTRUCTION AND UNTIL SUCH TIME AS THE PERMANENT STORM SYSTEM IMPROVEMENTS ARE IN PLACE AND FUNCTIONING.
3. DRESS AND OVERSEED ALL DISTURBED AREAS AND IMMEDIATELY ESTABLISH TEMPORARY VEGETATIVE COVER. MAINTAIN VEGETATIVE COVER THROUGHOUT DURATION OF PROJECT.
4. REPAIR ANY INADVERTENT EROSION AND REMOVE ANY INADVERTENT SEDIMENTATION.

NOTES:

1. THESE NOTES ARE IN ADDITION TO THE SEDIMENTATION AND EROSION CONTROL NOTES AND DETAILS PROVIDED.
2. ALL MATERIALS EXCAVATED OVER THE COURSE OF CONSTRUCTION SHALL REMAIN ON SITE. THIS MATERIAL SHALL BE USED FOR CONSTRUCTION OF ROADWAYS AND RESIDENTIAL LOTS AS SHOWN ON THE GRADING AND DRAINAGE PLANS. EXCESS MATERIAL REMAINING AT THE END OF CONSTRUCTION MAY BE DISPOSED OF OFF-SITE AT AN APPROVED AND PERMITTED BORROW PIT.
3. OFF-SITE BORROW MATERIAL MUST BE OBTAINED FROM AN APPROVED AND PERMITTED BORROW PIT. CONTRACTOR SHALL COORDINATE HAULING ROUTES, AS NECESSARY.
4. THIS PROJECT IS EXPECTED TO BE CONSTRUCTED IN A SINGLE PHASE.
5. THE FOLLOWING IS AN ESTIMATE OF THE CUT AND FILL VOLUMES FOR THE SITE. THESE VOLUMES ARE GROSS VOLUME ESTIMATES AND ARE PROVIDED FOR PERMITTING PURPOSES ONLY. CONTRACTOR SHALL NOT RELY ON THESE VOLUMES FOR PRICING OR ESTIMATING THE WORK. CONTRACTOR IS RESPONSIBLE FOR THEIR OWN TAKE-OFFS TO ACCOMPLISH THE WORK, WHICH INCLUDES ANY VOLUME OF EXCAVATED MATERIAL OR IMPORTED FILL MATERIAL.

APPROXIMATE CUT VOLUME = 20,700 C.Y.
APPROXIMATE FILL VOLUME = 19,650 C.Y.

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033961 10.13.2026 MICHAEL S. GADDY

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VIRGINIA BEACH, VIRGINIA 23451
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757-289-5933

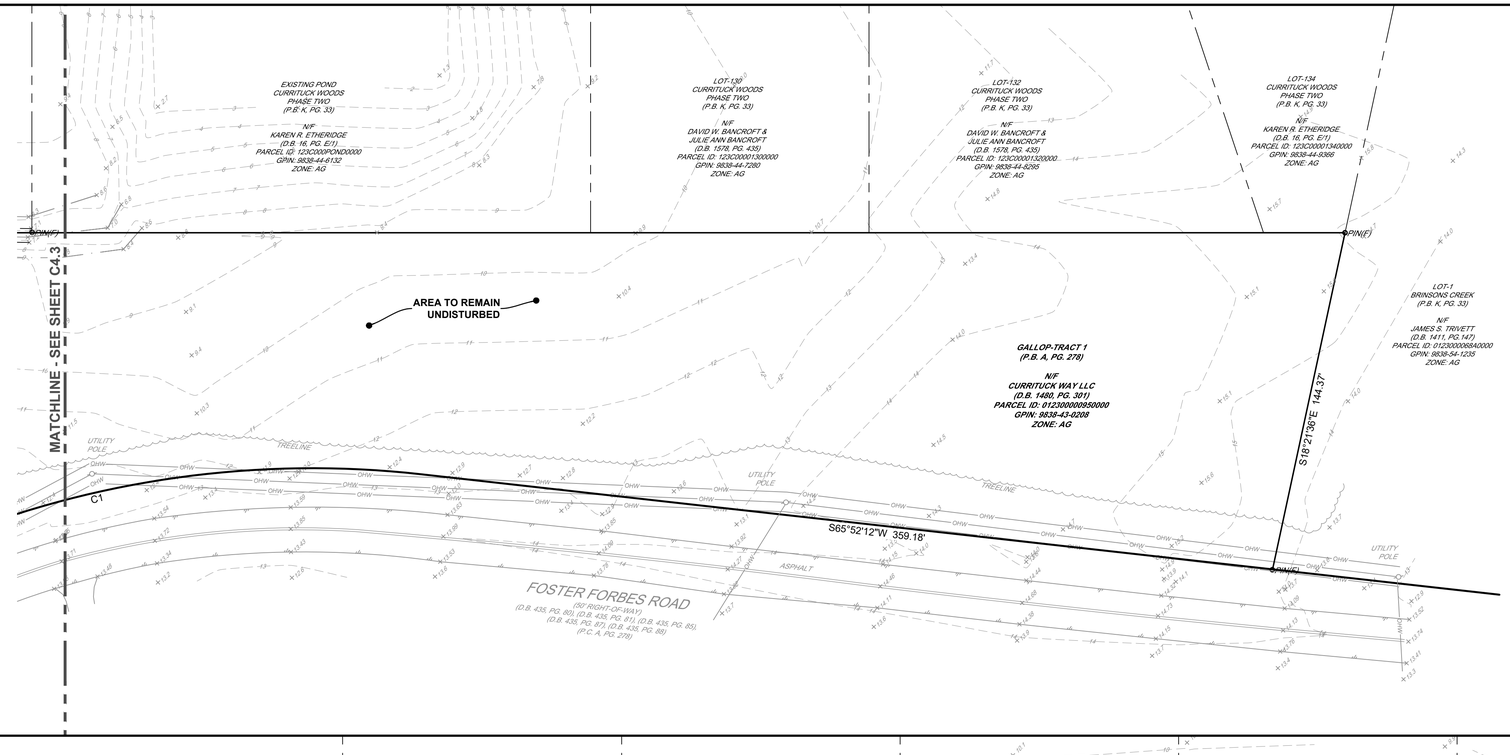
REV. NO.	REV. BY	REVISION DESCRIPTION

EROSION & SEDIMENT PLAN (PHASE II)
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C4.0

10 of 28 Sheets

SCALE: 1" = 80'



NORTH CAROLINA
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10.13.2026
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757-289-5933

REV. NO.	REV. BY	REVISION	DESCRIPTION

EROSION & SEDIMENT PLAN (PHASE II)
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C4.1

11 of 28 Sheets

SCALE: 1" = 30'

MATCHLINE - SEE SHEET C4.1

MATCHLINE - SEE SHEET C4.3

NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NAD 1983 (HARN)

CARATOKE HIGHWAY
(100' RIGHT-OF-WAY)
(P.C. A, PG. 278)

FOSTER FORBES ROAD
(D.B. 435, PG. 85), (D.B. 435, PG. 80), (D.B. 435, PG. 50' RIGHT-OF-WAY), (D.B. 435, PG. 87), (D.B. 435, PG. 81), (D.B. 435, PG. 88), (P.C. A, PG. 278)

LIMITS OF DISTURBANCE = 17.33 AC.

1AC.
GALLOP
(P.B. A, PG. 278)

N/F
ITAC 421 LLC
(D.B. 1480, PG. 299)
PARCEL ID: 0123000009A8000
GPIN: 9838-32-4882
ZONE: AG

GALLOP-TRACT 1
(P.B. A, PG. 278)

N/F
CURRITUCK WAY LLC
(D.B. 1480, PG. 301)
PARCEL ID: 0123000009S0000
GPIN: 9838-43-0288
ZONE: AG

(P.B. A, PG. 278)
(D.B. 266, PG. 107)

N/F
PLEASANT BRANCH BAPTIST CHURCH
(D.B. 266, PG. 107)
PARCEL ID: 0123000009A5000
GPIN: 9838-32-4886
ZONE: AG

TREE TO REMAIN

POND TO BE USED AS TEMPORARY SEDIMENT BASIN DURING CONSTRUCTION

TEMPORARY DRAW DOWN SKIMMER (SEE DETAIL)

CONNECT TEMPORARY DRAW DOWN SKIMMER TO STRUCUTRE

TREES TO REMAIN

SWALES ARE CRITICAL IMPROVEMENTS AND SHALL BE STABILIZED WITHIN 7 DAYS OF COMPLETION (TYP.)

SILT FENCE & TREE PROTECTION LINES SHOWN INSIDE OF LIMITS OF DISTURBANCE FOR CLARITY PURPOSES

30" RCP

30" HDPE

15" HDPE

DOPE

N24°15'15"W 160.43'

S60°12'45"W 89.95'

S56°41'45"W 201.87'

N26°20'03"W 193.41'

S49°53'16"W 140.08'

1-STORY BRICK CHURCH BUILDING

DROP INLET
RIM=6.10
INV(IN)=6.37
INV(S)=6.28

FLARED END SECTION
INV=6.54

FLARED END SECTION
INV=6.08

FLARED END SECTION
INV=4.53

WATER VALVE

UTILITY POLE

LIGHT POLE

(2) SIGN

TREELINE

DITCH

ASPHALT

R/W

TOP OF BANK

INV=6.53

INV=6.91

G10.5 HP

G11.5 HP

G12.1 HP

G11.1 HP

G9.7

G9.9 LP

G10.1

G9.9

G11.4 HP

G10.7 HP

G9.6

G9.4 HP

G10.4 HP

G11.2 HP

G8.7 HP

0 30 60 90

SCALE: 1" = 30'

NORTH CAROLINA
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10.13.2026
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REVISION | DESCRIPTION | REV. NO. | REV. BY

EROSION & SEDIMENT PLAN (PHASE II)
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C4.2

12 of 28 Sheets

LOT-110
CURRITUCK WOODS
(P.B. E, PG. 342)

N/F
BRETT N. HOUSER &
KRISTEN N. TEMPLE
(D.B. 1780, PG. 133)
PARCEL ID: 123C000011000000
GPIN: 9838-33-7671
ZONE: AG

LOT-112
CURRITUCK WOODS
(P.B. E, PG. 342)

N/F
LOUANN YODER &
ALLEN W. YODER
(D.B. 1407, PG. 116)
PARCEL ID: 123C000011200000
GPIN: 9838-33-8677
ZONE: AG

LOT-114
CURRITUCK WOODS
(P.B. E, PG. 342)

N/F
PETER J. GEIGER &
MELISSA M. FRYE
(D.B. 985, PG. 797)
PARCEL ID: 123C000011400000
GPIN: 9838-33-9773
ZONE: AG

LOT-116
CURRITUCK WOODS
(P.B. E, PG. 342)

N/F
JOHN THOMAS GRIFFITH &
BROOKE MARIE HARRIS
(D.B. 1458, PG. 503)
PARCEL ID: 123C000011600000
GPIN: 9838-43-0779
ZONE: AG

LOT-118
CURRITUCK WOODS
PHASE TWO
(P.B. K, PG. 33)

N/F
JAY MERGLER
(D.B. 1680, PG. 423)
PARCEL ID: 123C000011800000
GPIN: 9838-43-1875
ZONE: AG

LOT-120
CURRITUCK WOODS
PHASE TWO
(P.B. K, PG. 33)

N/F
ANGELA D. MAHAFFEY
(D.B. 1105, PG. 512)
PARCEL ID: 123C000012000000
GPIN: 9838-43-2971
ZONE: AG

LOT-122
CURRITUCK WOODS
PHASE TWO
(P.B. K, PG. 33)

N/F
ANGELA D. MAHAFFEY
(D.B. 1105, PG. 512)
PARCEL ID: 123C000012200000
GPIN: 9838-43-3977
ZONE: AG

LOT-124
CURRITUCK WOODS
PHASE TWO
(P.B. K, PG. 33)

N/F
SONDRA RENEE MEINHARDT
(D.B. 1748, PG. 60)
PARCEL ID: 123C000012400000
GPIN: 9838-44-4073
ZONE: AG

N59°29'45"E 2123.23'

TREES TO REMAIN

DITCH TO REMAIN

LIMITS OF DISTURBANCE = 17.33 AC.

SILT FENCE & TREE PROTECTION LINES
SHOWN INSIDE OF LIMITS OF DISTURBANCE
FOR CLARITY PURPOSES

SWALES ARE CRITICAL IMPROVEMENTS
AND SHALL BE STABILIZED WITHIN
7 DAYS OF COMPLETION (TYP.)

MATCHLINE - SEE SHEET C4.1

MATCHLINE - SEE SHEET C4.2

GALLOP-TRACT 1
(P.B. A, PG. 278)

N/F
CURRITUCK WAY LLC
(D.B. 1489, PG. 301)
PARCEL ID: 012300000950000
GPIN: 9838-43-0208
ZONE: AG

S29°10'23"W 351.38'

S29°57'52"W 802.31'

FOSTER FORBES ROAD
(D.B. 435, PG. 60) (100' RIGHT-OF-WAY)
(D.B. 435, PG. 87), (D.B. 435, PG. 91), (D.B. 435, PG. 98)
(P.C. A, PG. 278)

NORTH CAROLINA STATE PLANE
COORDINATE SYSTEM, NAD 1983 (NSRS)

SILT FENCE LINE
SHOWN INSIDE OF LIMITS OF DISTURBANCE
FOR CLARITY PURPOSES

0 30 60 90

NORTH CAROLINA
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10.13.2026
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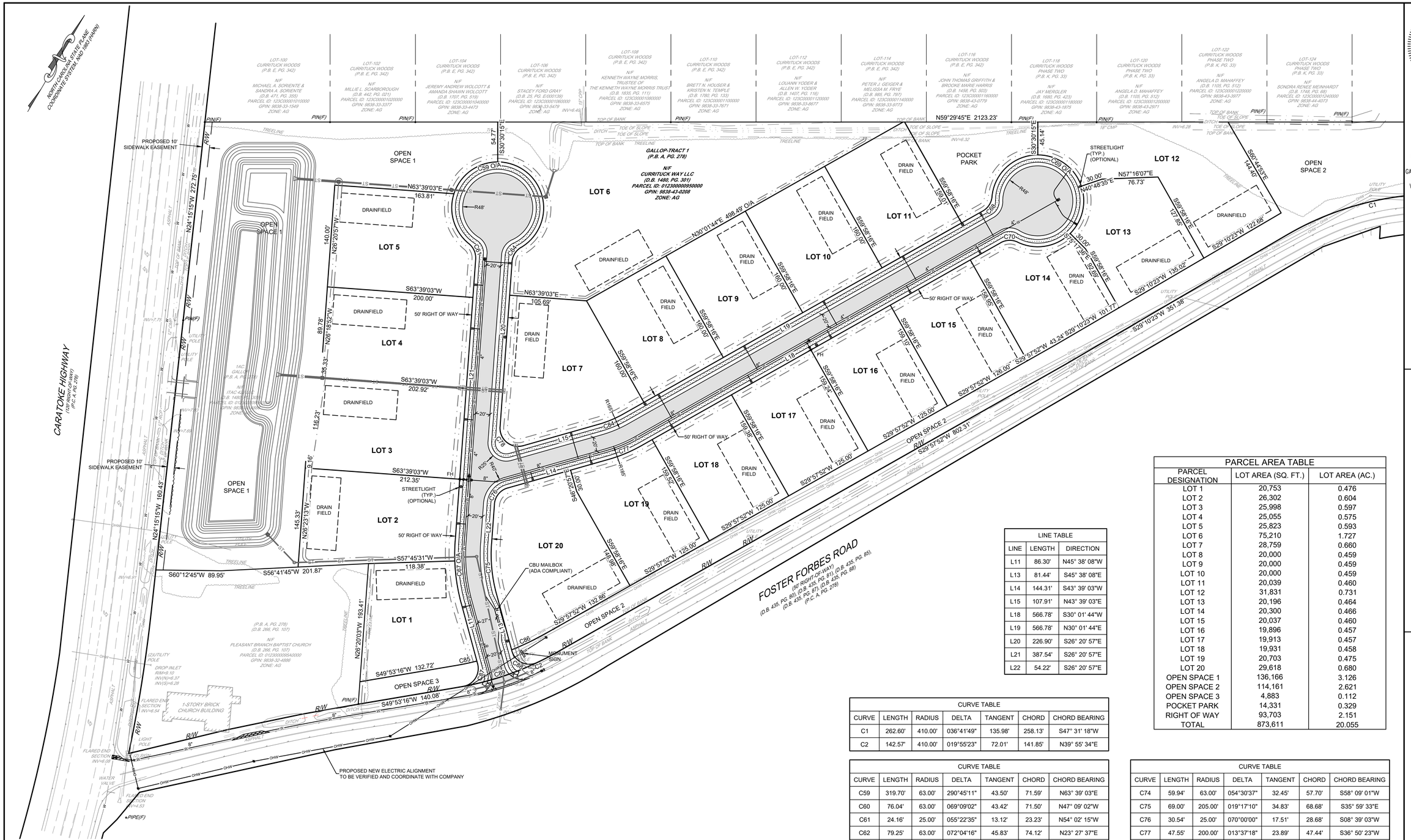
REV. NO.	REV. BY	REVISION	DESCRIPTION

EROSION & SEDIMENT PLAN (PHASE II)
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C4.3

13 of 28 Sheets

SCALE: 1" = 30'



LINE TABLE		
LINE	LENGTH	DIRECTION
L11	86.30'	N45° 38' 08"W
L13	81.44'	S45° 38' 08"E
L14	144.31'	S43° 39' 03"W
L15	107.91'	N43° 39' 03"E
L18	566.78'	S30° 01' 44"W
L19	566.78'	N30° 01' 44"E
L20	226.90'	S26° 20' 57"E
L21	387.54'	S26° 20' 57"E
L22	54.22'	S26° 20' 57"E

PARCEL AREA TABLE		
PARCEL DESIGNATION	LOT AREA (SQ. FT.)	LOT AREA (AC.)
LOT 1	20,753	0.476
LOT 2	26,302	0.604
LOT 3	25,998	0.597
LOT 4	25,055	0.575
LOT 5	25,823	0.593
LOT 6	75,210	1.727
LOT 7	28,759	0.660
LOT 8	20,000	0.459
LOT 9	20,000	0.459
LOT 10	20,000	0.459
LOT 11	20,039	0.460
LOT 12	31,831	0.731
LOT 13	20,196	0.464
LOT 14	20,300	0.466
LOT 15	20,037	0.460
LOT 16	19,896	0.457
LOT 17	19,913	0.457
LOT 18	19,931	0.458
LOT 19	20,703	0.475
LOT 20	29,618	0.680
OPEN SPACE 1	136,166	3.126
OPEN SPACE 2	114,161	2.621
OPEN SPACE 3	4,883	0.112
POCKET PARK	14,331	0.329
RIGHT OF WAY	93,703	2.151
TOTAL	873,611	20.055

CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD BEARING
C1	262.60'	410.00'	036°41'49"	135.98'	258.13'	S47° 31' 18"W
C2	142.57'	410.00'	019°55'23"	72.01'	141.85'	N39° 55' 34"E

CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD BEARING
C59	319.70'	63.00'	290°45'11"	43.50'	71.59'	N63° 39' 03"E
C60	76.04'	63.00'	069°09'02"	43.42'	71.50'	N47° 09' 02"W
C61	24.16'	25.00'	055°22'35"	13.12'	23.23'	N54° 02' 15"W
C62	79.25'	63.00'	072°04'16"	45.83'	74.12'	N23° 27' 37"E
C63	164.42'	63.00'	149°31'53"	231.33'	121.57'	S45° 44' 18"E
C64	24.16'	25.00'	055°22'35"	13.12'	23.23'	S01° 20' 20"W
C67	85.83'	255.00'	019°17'10"	43.33'	85.43'	N35° 59' 33"W
C68	24.16'	25.00'	055°22'35"	13.12'	23.23'	N02° 20' 26"E
C69	319.70'	63.00'	290°45'11"	43.50'	71.59'	S59° 58' 16"E
C70	24.16'	25.00'	055°22'35"	13.12'	23.23'	S57° 43' 02"W
C71	93.29'	63.00'	084°50'36"	57.57'	85.00'	N17° 04' 27"E
C72	96.51'	63.00'	087°46'21"	60.60'	87.35'	S76° 37' 04"E
C73	69.96'	63.00'	063°37'36"	39.08'	66.42'	S00° 55' 05"E

CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD BEARING
C74	59.94'	63.00'	054°30'37"	32.45'	57.70'	S58° 09' 01"W
C75	69.00'	205.00'	019°17'10"	34.83'	68.68'	S35° 59' 33"E
C76	30.54'	25.00'	070°00'00"	17.51'	28.68'	S08° 39' 03"W
C77	47.55'	200.00'	013°37'18"	23.89'	47.44'	S36° 50' 23"W
C78	48.00'	25.00'	110°00'00"	35.70'	40.96'	S81° 20' 57"E
C82	58.43'	255.00'	013°07'39"	29.34'	58.30'	N39° 04' 18"W
C83	27.41'	255.00'	006°09'31"	13.72'	27.40'	N29° 25' 43"W
C84	35.66'	150.00'	013°37'18"	17.92'	35.58'	N36° 50' 23"E
C85	30.16'	380.00'	004°32'51"	15.09'	30.15'	N47° 36' 50"E
C86	51.88'	380.00'	007°49'20"	25.98'	51.84'	N33° 52' 32"E
C87	41.32'	25.00'	094°41'19"	27.13'	36.77'	N01° 42' 32"E
C88	43.74'	25.00'	100°15'11"	29.93'	38.37'	N84° 14' 17"E
C89	106.92'	410.00'	014°56'31"	53.77'	106.62'	N41° 34' 56"E

0 60 120 180

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033961 10.13.2026 MICHAEL S. GADDY

GADDY ENGINEERING SERVICES, LLC

GADDY ENGINEERING SERVICES, LLC
508 N. BIRDNECK RD. SUITE D
VIRGINIA BEACH, VIRGINIA 23451
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

REVISION DATE	REVISION DESCRIPTION	REV. NO.	REV. BY

OVERALL LAYOUT & UTILITY PLAN
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C5.0

SCALE: 1" = 60'

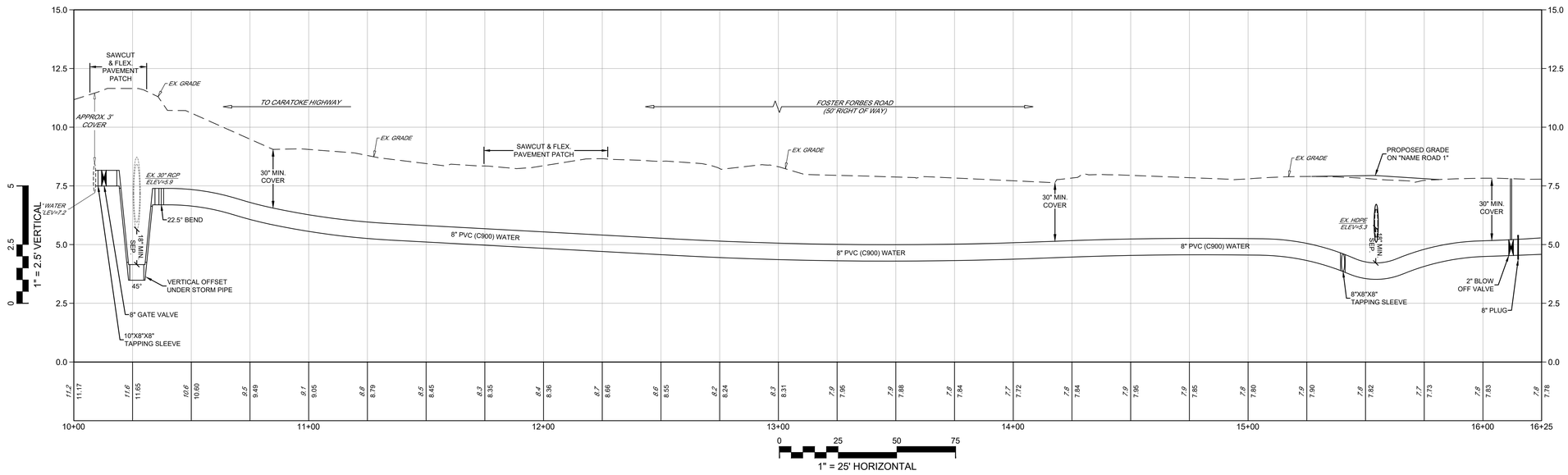
NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NAD 1983 (NSRS)

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033961 10.13.2026 MICHAEL S. GADDY

GADDY ENGINEERING SERVICES, LLC

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508 N. BIRDNECK RD. SUITE D
VIRGINIA BEACH, VIRGINIA 23451
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

Profile View of Alignment - WATERLINE ALONG FOSTER FORBES ROAD



GRADING LEGEND	
P	PAVEMENT
G	FINISH GRADE
GV	GRAVEL
MG	MATCH GRADE
TOB	TOP OF BANK
SW	SWALE

STORM SEWER 'A' STRUCTURE TABLE

A4	STMH STA:10+32.44, R3.77 RIM=8.27 INV=5.35(In)NW INV=6.00(Out)NE INV=6.00(Out)SW INV=5.29(Out)SE

STORM SEWER FES STRUCTURE TABLE

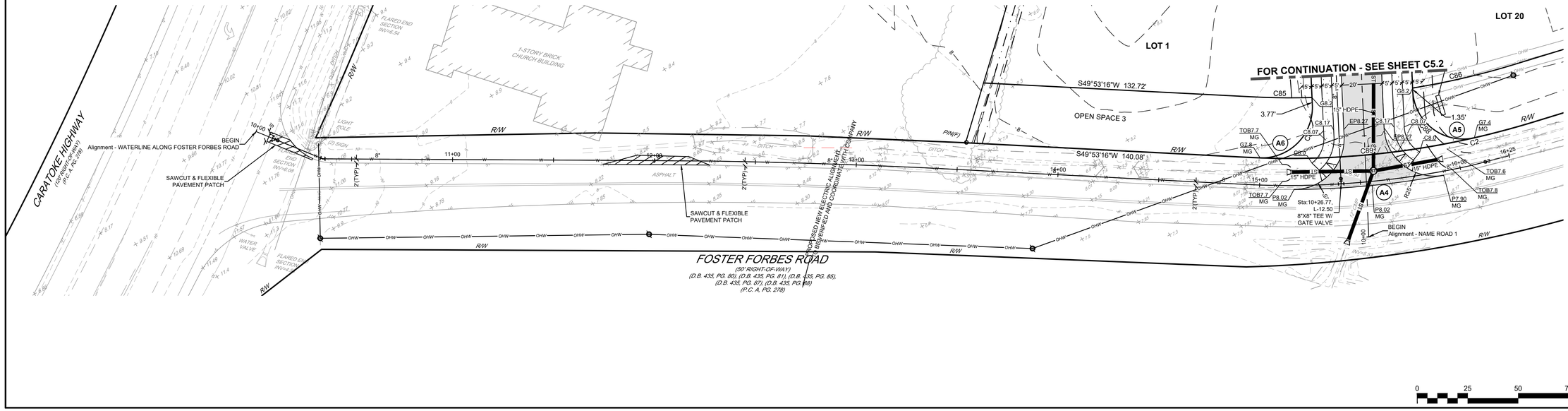
A5	15" FES INV=5.40(In)SW
A6	15" FES INV=5.40(In)NE
A7	15" FES

STORM SEWER PIPE 'A' SCHEDULE

A3 TO A4	176 L.F. - 15" HDPE @ 0.10%
A4 TO A5	32 L.F. - 15" HDPE @ 1.87%
A4 TO A6	40 L.F. - 15" HDPE @ 1.50%
A4 TO A7	36 L.F. - 15" HDPE @ 0.11%

GALLOP-TRACT 1
(P.B. A, PG. 278)

N/F
CURRITUCK WAY LLC
(D.B. 1460, PG. 301)
PARCEL ID: 012300000950000
GPIN: 9838-43-0208
ZONE: AG



0 25 50 75

REVISION/DATE	DESCRIPTION	REV. NO.	REV. BY

PLAN & PROFILE
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C5.1

15 of 28 Sheets

SCALE: 1" = 25'

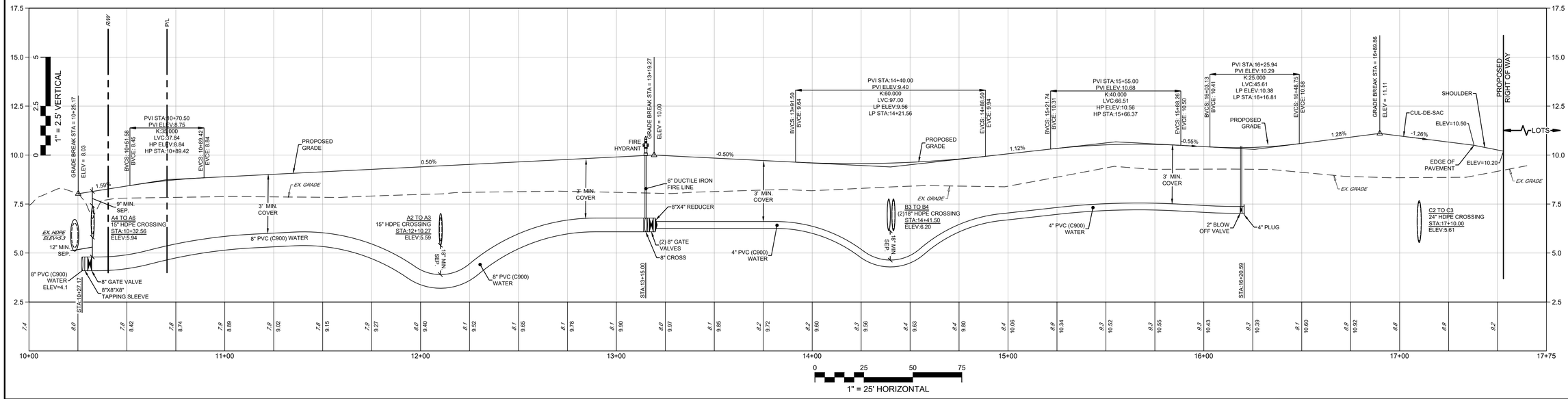
NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NAD 1983 (HARN)

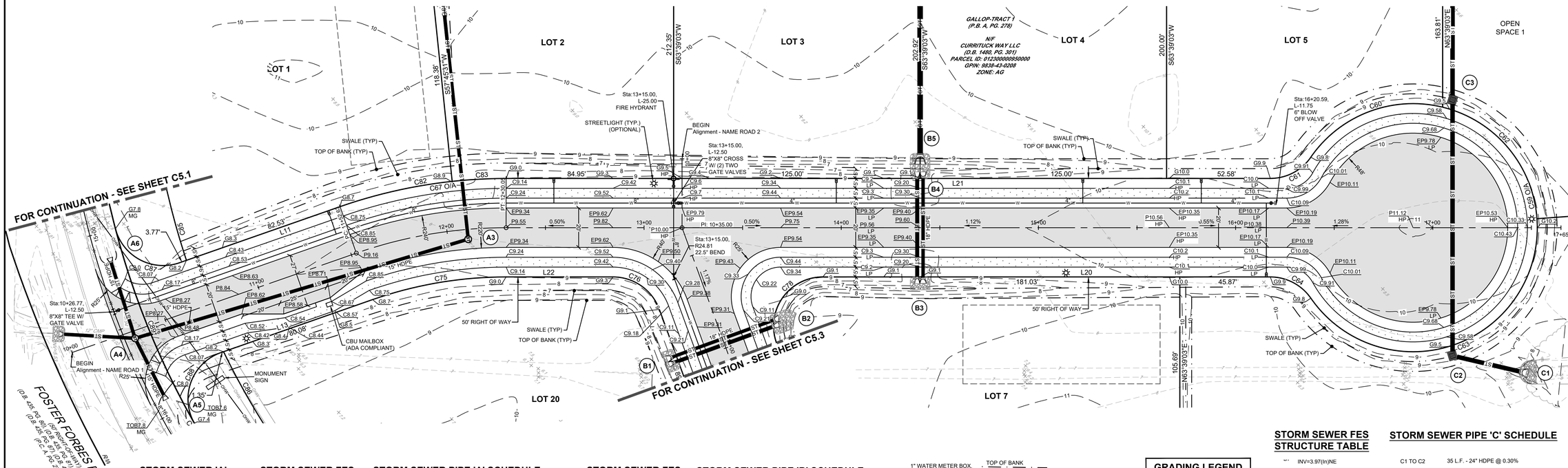
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033961 10.13.2026 MICHAEL S. GADDY

GADDY ENGINEERING SERVICES, LLC

GADDY ENGINEERING SERVICES, LLC
508 N. BIRDNECK RD. SUITE D
VIRGINIA BEACH, VIRGINIA 23451
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

Profile View of Alignment - NAME ROAD 1





STORM SEWER 'A' STRUCTURE TABLE

A3	STMH STA:12+10.37, R5.00 RIM=9.35 INV=5.58(In)SW INV=5.53(Out)SE
A4	STMH STA:10+32.44, R3.77 RIM=8.27 INV=5.35(In)NW INV=6.00(Out)NE INV=6.00(Out)SW INV=5.29(Out)SE

STORM SEWER FES STRUCTURE TABLE

A5	15" FES INV=5.40(In)SW
A6	15" FES INV=5.40(In)NE
A7	15" FES INV=5.25(In)NW

STORM SEWER PIPE 'A' SCHEDULE

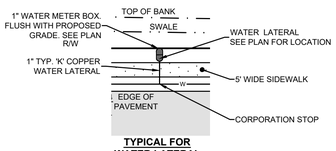
A2 TO A3	250 L.F. - 15" HDPE @ 0.10%
A3 TO A4	176 L.F. - 15" HDPE @ 0.10%
A4 TO A5	32 L.F. - 15" HDPE @ 1.87%
A4 TO A6	40 L.F. - 15" HDPE @ 1.50%

STORM SEWER FES STRUCTURE TABLE

B4	CONCRETE FLARED END SECTION INV=6.10(In)NE

STORM SEWER PIPE 'B' SCHEDULE

B1 TO B2	(2) 54 L.F. - 18" HDPE @ 0.37%
B3 TO B4	(2) 50 L.F. - 18" HDPE @ 0.40%
B5 TO B6	185 L.F. - 30" HDPE @ 0.83%
B6 TO B7	57 L.F. - 30" RCP @ 0.66%



TYPICAL FOR WATER LATERAL

GRADING LEGEND

P	PAVEMENT
G	FINISH GRADE
GV	GRAVEL
MG	MATCH GRADE
TOB	TOP OF BANK
SW	SWALE

STORM SEWER FES STRUCTURE TABLE

""	INV=3.97(In)NE
C1	CONCRETE FLARED END SEC INV=6.90(Out)NE

STORM SEWER PIPE 'C' SCHEDULE

C1 TO C2	35 L.F. - 24" HDPE @ 0.30%
C2 TO C3	130 L.F. - 24" HDPE @ 0.30%
C3 TO C4	155 L.F. - 24" HDPE @ 0.30%
C4 TO C5	56 L.F. - 30" CONCRETE PIPE @ 0.32%

0 25 50 75

REVISION	DESCRIPTION	REV. NO.	REV. BY

PLAN & PROFILE
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C5.2

16 of 28 Sheets

SCALE: 1" = 25'

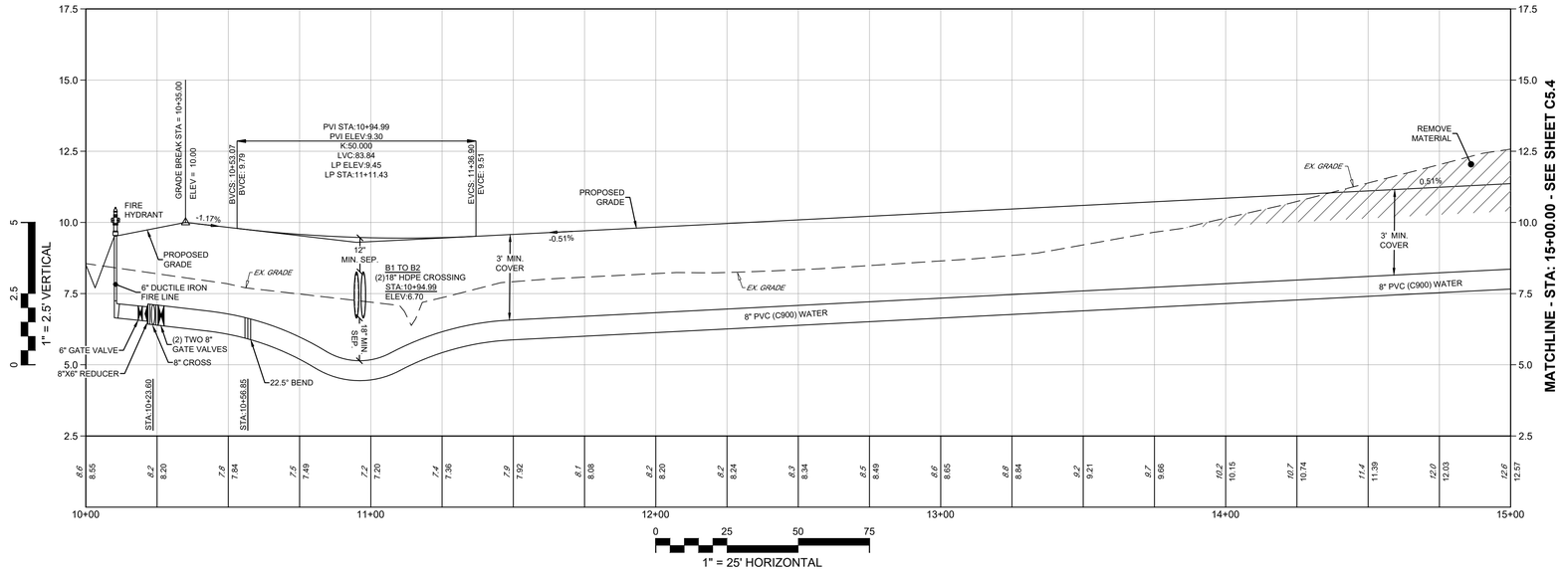
NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NAD 1983 (HARN)

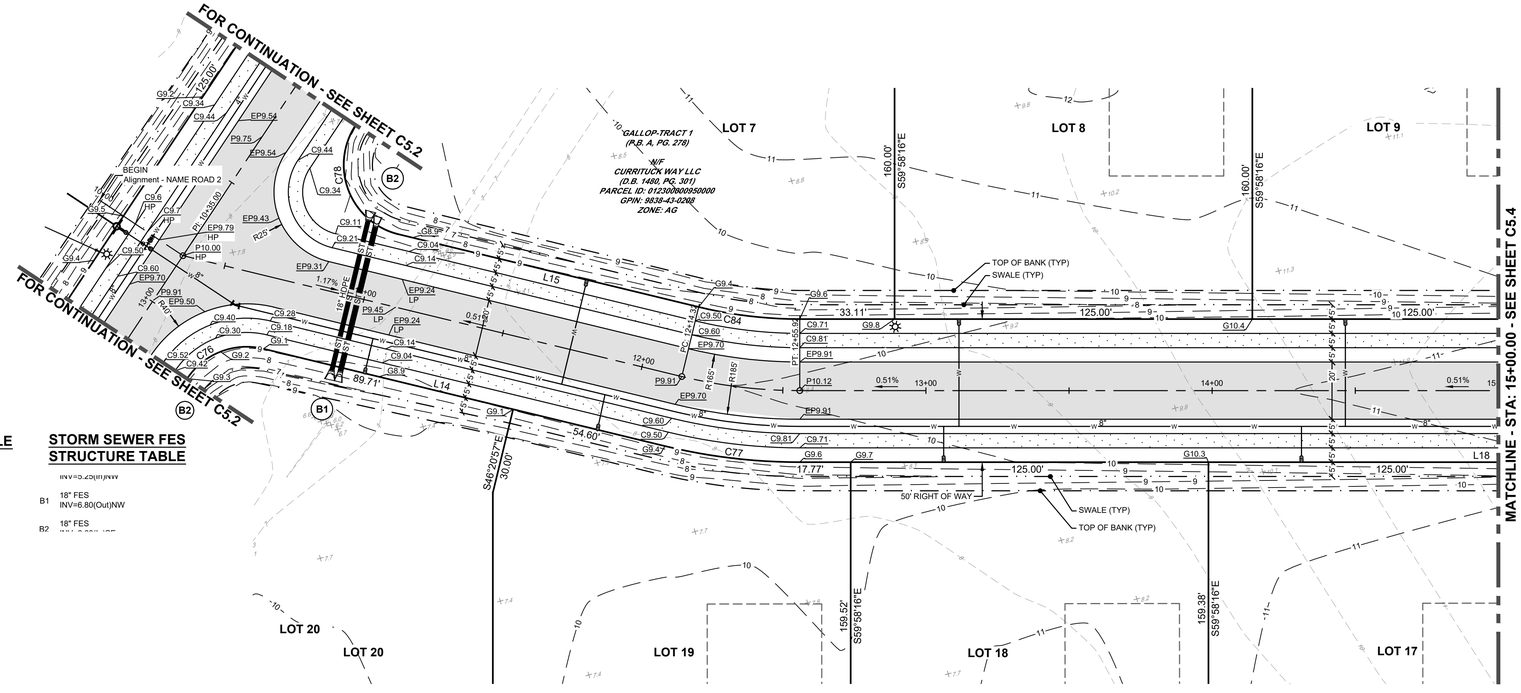
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033961 10.13.2026 MICHAEL S. GADDY

GADDY ENGINEERING SERVICES, LLC

GADDY ENGINEERING SERVICES, LLC
508 N. BIRDNECK RD. SUITE D
VIRGINIA BEACH, VIRGINIA 23451
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

Profile View of Alignment - NAME ROAD 2





STORM SEWER PIPE 'B' SCHEDULE

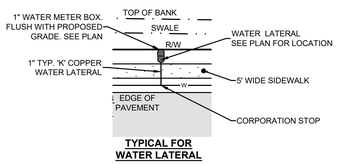
B1 TO B2	(2) 54 L.F. - 18" HDPE @ 0.37%

STORM SEWER FES STRUCTURE TABLE

B1	18" FES INV=6.80(Out)NW
B2	18" FES

GRADING LEGEND

P	PAVEMENT
G	FINISH GRADE
GV	GRAVEL
MG	MATCH GRADE
TOB	TOP OF BANK
SW	SWALE



TYPICAL FOR WATER LATERAL

0 25 50 75

REVISION	DESCRIPTION	REV. NO.	REV. BY

PLAN & PROFILE
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C5.3

17 of 28 Sheets

SCALE: 1" = 25'

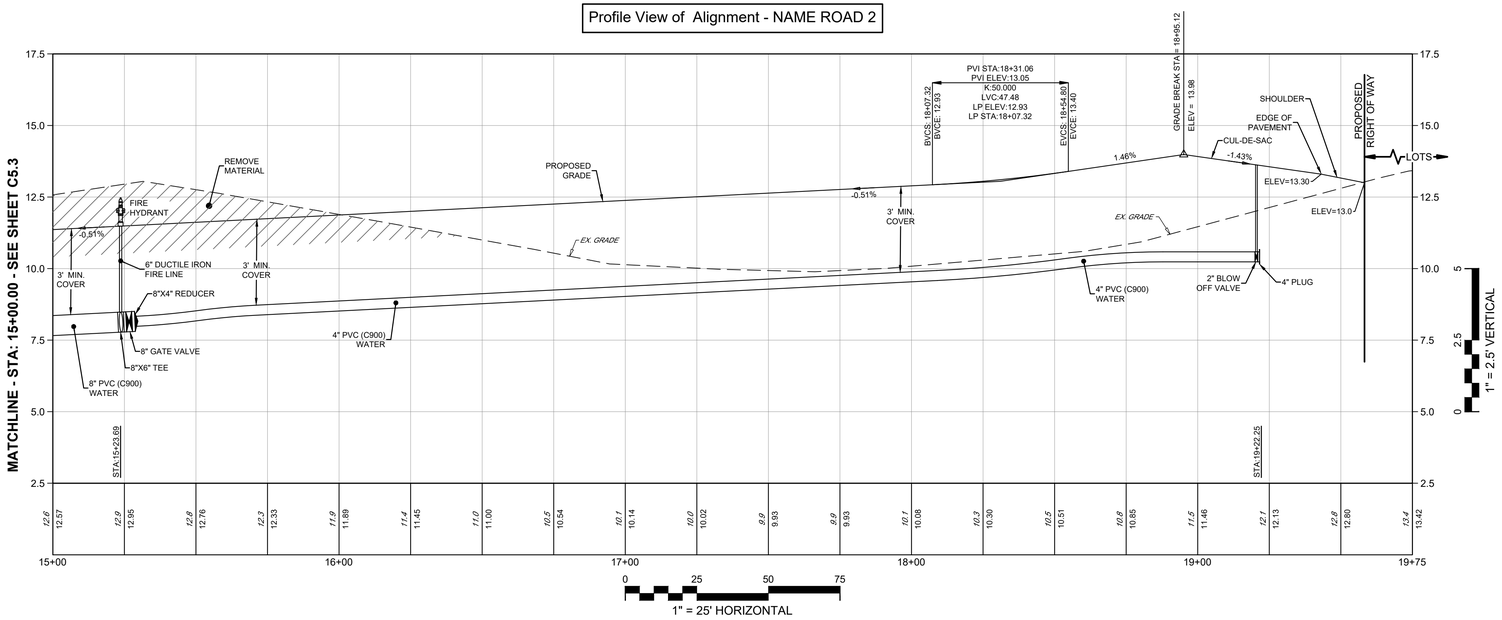
NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NAD 1983 (HARN)

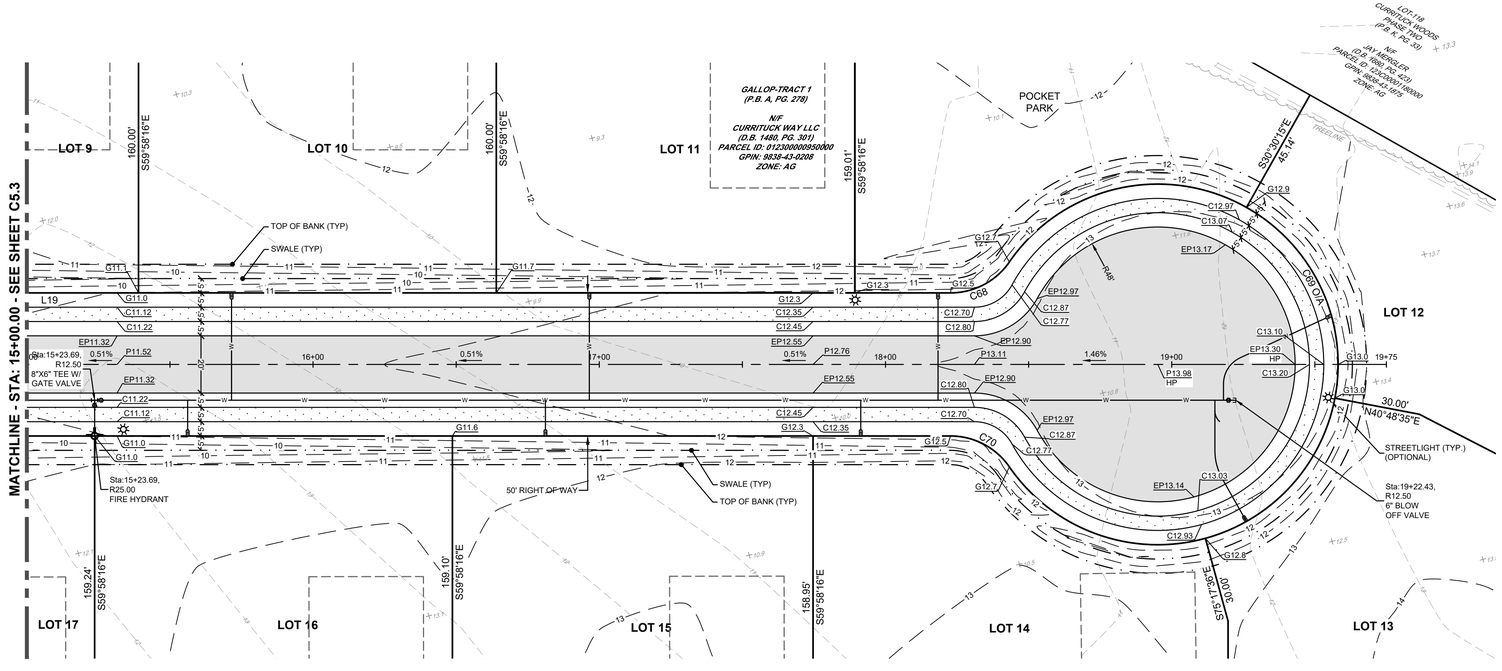
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033961 10.13.2026 MICHAEL S. GADDY

GADDY ENGINEERING SERVICES, LLC

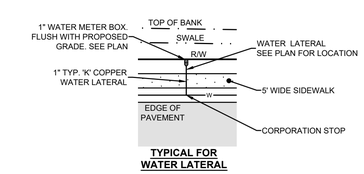
GADDY ENGINEERING SERVICES, LLC
508 N. BIRDNECK RD. SUITE D
VIRGINIA BEACH, VIRGINIA 23451
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

Profile View of Alignment - NAME ROAD 2





GRADING LEGEND	
P	PAVEMENT
G	FINISH GRADE
GV	GRAVEL
MG	MATCH GRADE
TOB	TOP OF BANK
SW	SWALE



TYPICAL FOR WATER LATERAL

0 25 50 75

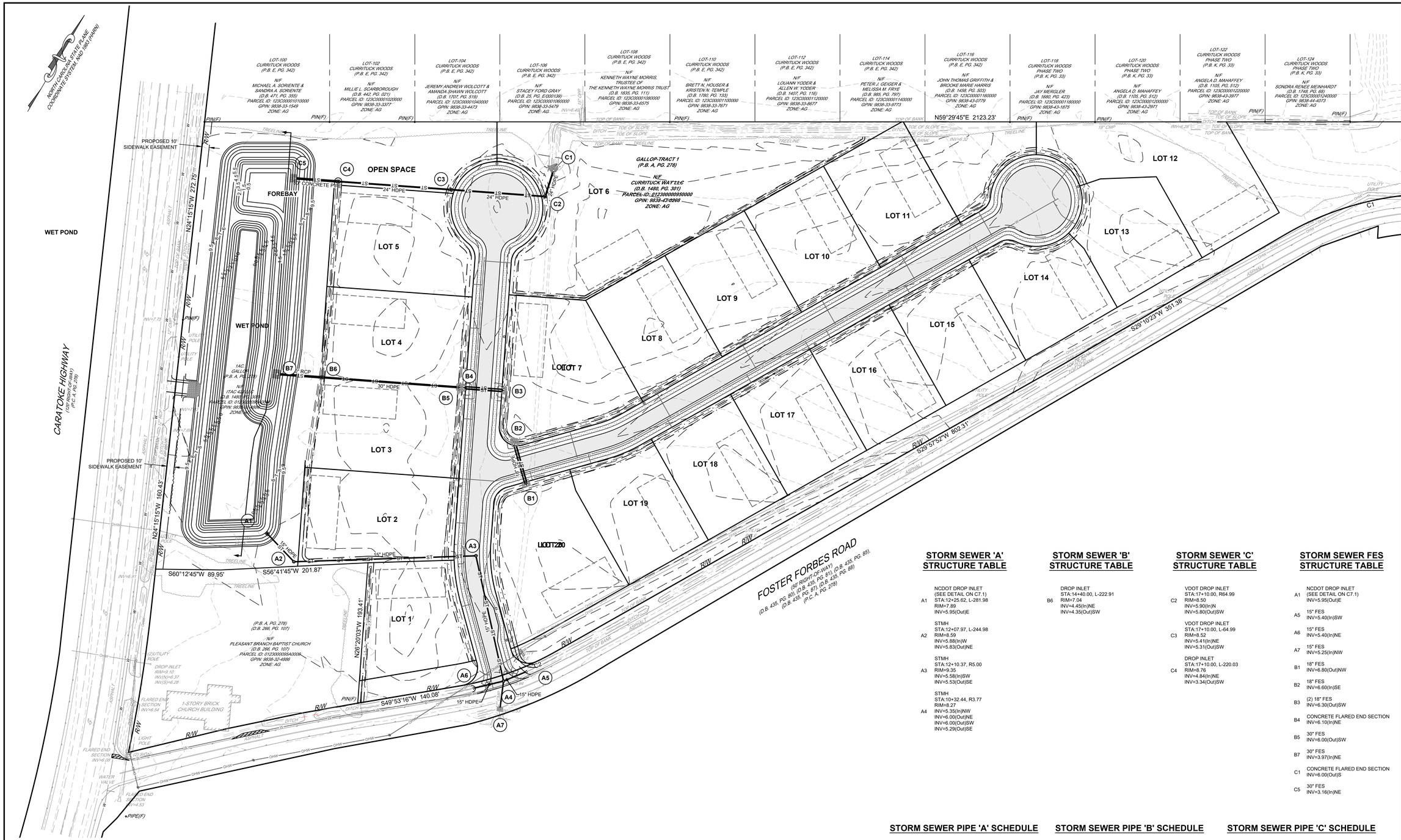
REVISION	DESCRIPTION	REV. NO.	REV. BY

PLAN & PROFILE
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C5.4

18 of 28 Sheets

SCALE: 1" = 25'



CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD BEARING
C1	262.60'	410.00'	036°41'49"	135.98'	258.13'	S47° 31' 18"W
C2	142.57'	410.00'	019°55'23"	72.01'	141.85'	N39° 55' 34"E

STORM SEWER 'A' STRUCTURE TABLE

A1	NCDOT DROP INLET (SEE DETAIL ON C7.1) STA:12+25.62, L-281.98 RIM=7.89 INV=5.95(Out)E
A2	STMH STA:12+07.97, L-244.98 RIM=8.59 INV=5.88(In)W INV=5.83(Out)NE
A3	STMH STA:12+10.37, R5.00 RIM=9.35 INV=5.58(In)SW INV=5.53(Out)SE
A4	STMH STA:10+32.44, R3.77 RIM=8.27 INV=5.35(In)NW INV=6.00(Out)NE INV=6.00(Out)SW INV=5.29(Out)SE

STORM SEWER 'B' STRUCTURE TABLE

B6	DROP INLET STA:14+40.00, L-222.91 RIM=7.04 INV=4.45(In)NE INV=4.35(Out)SW

STORM SEWER 'C' STRUCTURE TABLE

C2	VDOT DROP INLET STA:17+10.00, R64.99 RIM=8.50 INV=5.90(In)N INV=5.80(Out)SW
C3	VDOT DROP INLET STA:17+10.00, L-64.99 RIM=8.52 INV=5.41(In)NE INV=5.31(Out)SW
C4	DROP INLET STA:17+10.00, L-220.03 RIM=8.76 INV=4.84(In)NE INV=3.34(Out)SW

STORM SEWER FES STRUCTURE TABLE

A1	NCDOT DROP INLET (SEE DETAIL ON C7.1) INV=5.95(Out)E
A5	15" FES INV=5.40(In)SW
A6	15" FES INV=5.40(In)NE
A7	15" FES INV=5.25(In)NW
B1	18" FES INV=6.80(Out)NW
B2	18" FES INV=6.60(In)SE
B3	(2) 18" FES INV=6.30(Out)SW
B4	CONCRETE FLARED END SECTION INV=6.10(In)NE
B5	30" FES INV=6.00(Out)SW
B7	30" FES INV=3.97(In)NE
C1	CONCRETE FLARED END SECTION INV=6.00(Out)S
C5	30" FES INV=3.16(In)NE

STORM SEWER PIPE 'A' SCHEDULE

A1 TO A2	53 L.F. - 15" HDPE @ 0.14%
A2 TO A3	250 L.F. - 15" HDPE @ 0.10%
A3 TO A4	176 L.F. - 15" HDPE @ 0.10%
A4 TO A5	32 L.F. - 15" HDPE @ 1.87%
A4 TO A6	40 L.F. - 15" HDPE @ 1.50%
A4 TO A7	36 L.F. - 15" HDPE @ 0.11%

STORM SEWER PIPE 'B' SCHEDULE

B1 TO B2	(2) 54 L.F. - 18" HDPE @ 0.37%
B3 TO B4	(2) 50 L.F. - 18" HDPE @ 0.40%
B5 TO B6	185 L.F. - 30" HDPE @ 0.83%
B6 TO B7	57 L.F. - 30" RCP @ 0.66%

STORM SEWER PIPE 'C' SCHEDULE

C1 TO C2	35 L.F. - 24" HDPE @ 0.30%
C2 TO C3	130 L.F. - 24" HDPE @ 0.30%
C3 TO C4	155 L.F. - 24" HDPE @ 0.30%
C4 TO C5	56 L.F. - 30" CONCRETE PIPE @ 0.32%

0 60 120 180

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033961 10.13.2026 MICHAEL S. GADDY

GADDY ENGINEERING SERVICES, LLC

GADDY ENGINEERING SERVICES, LLC
508 N. BIRDNECK RD. SUITE D
VIRGINIA BEACH, VIRGINIA 23451
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

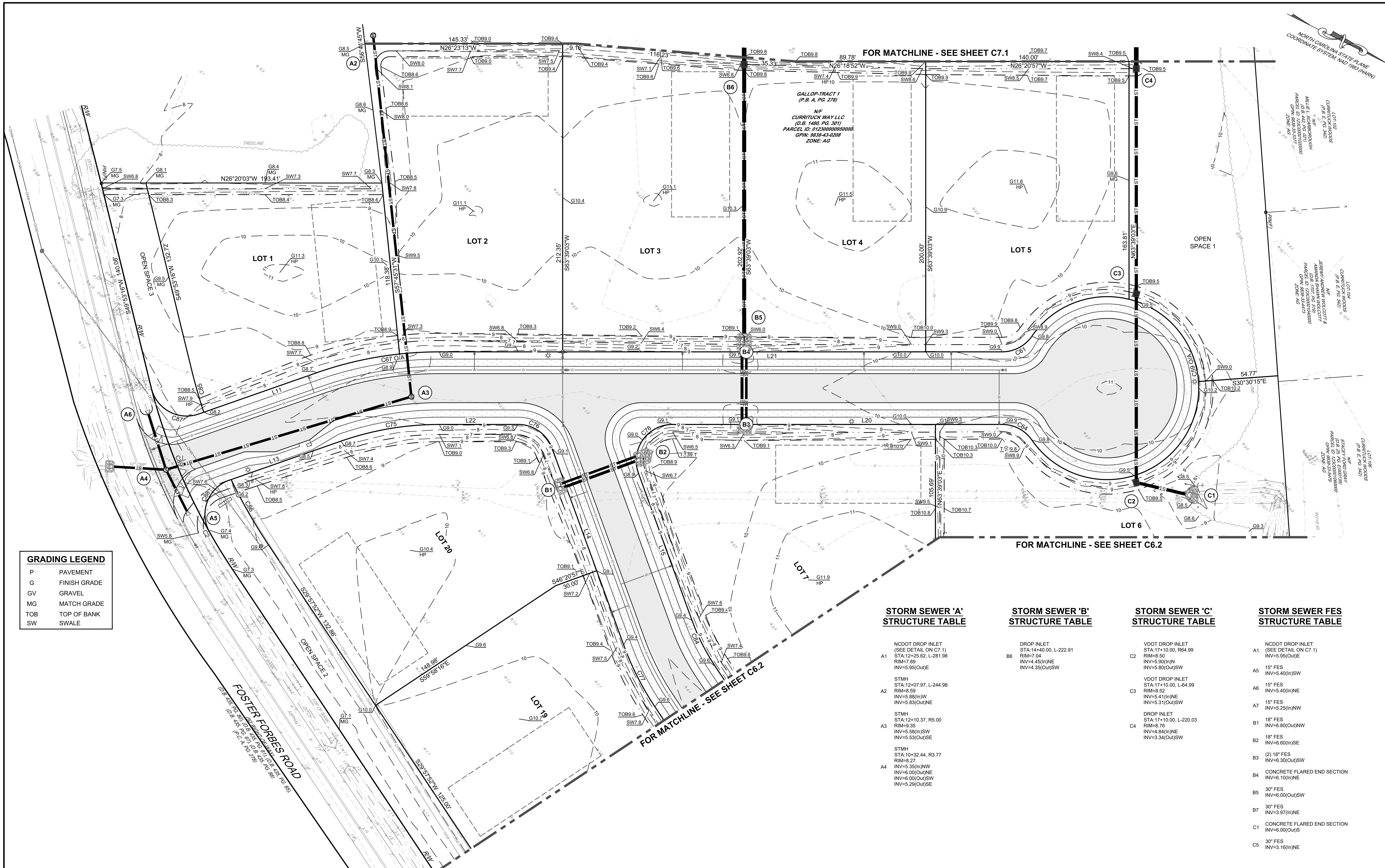
REVISIONS: NO. | DESCRIPTION | DATE

OVERALL GRADING, DRAINAGE, & STORMWATER PLAN
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C6.0

19 of 28 Sheets

SCALE: 1" = 60'



STORM SEWER 'A' STRUCTURE TABLE

A1	NCDOT DROP INLET (SEE DETAIL ON C7.1) STA:12+25.62, L-281.98 RIM=7.89 INV=5.95(Out)E
A2	STMH STA:12+07.97, L-244.98 RIM=8.59 INV=5.88(In)W INV=5.83(Out)NE
A3	STMH STA:12+10.37, R5.00 RIM=9.35 INV=5.58(In)SW INV=5.53(Out)SE
A4	STMH STA:10+32.44, R3.77 RIM=8.27 INV=5.35(In)NW INV=6.00(Out)NE INV=6.00(Out)SW INV=5.29(Out)SE

STORM SEWER 'B' STRUCTURE TABLE

B6	DROP INLET STA:14+40.00, L-222.91 RIM=7.04 INV=4.45(In)NE INV=4.35(Out)SW

STORM SEWER 'C' STRUCTURE TABLE

C2	VDOT DROP INLET STA:17+10.00, R64.99 RIM=8.50 INV=5.90(In)N INV=5.80(Out)SW
C3	VDOT DROP INLET STA:17+10.00, L-64.99 RIM=8.52 INV=5.41(In)NE INV=5.31(Out)SW
C4	DROP INLET STA:17+10.00, L-220.03 RIM=8.76 INV=4.84(In)NE INV=3.34(Out)SW

STORM SEWER FES STRUCTURE TABLE

A1	NCDOT DROP INLET (SEE DETAIL ON C7.1) INV=5.95(Out)E
A5	15" FES INV=5.40(In)SW
A6	15" FES INV=5.40(In)NE
A7	15" FES INV=5.25(In)NW
B1	18" FES INV=6.80(Out)NW
B2	18" FES INV=6.60(In)SE
B3	(2) 18" FES INV=6.30(Out)SW
B4	CONCRETE FLARED END SECTION INV=6.10(In)NE
B5	30" FES INV=6.00(Out)SW
B7	30" FES INV=3.97(In)NE
C1	CONCRETE FLARED END SECTION INV=6.00(Out)S
C5	30" FES INV=3.16(In)NE

STORM SEWER PIPE 'A' SCHEDULE

A1 TO A2	53 L.F. - 15" HDPE @ 0.14%
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A3 TO A4	176 L.F. - 15" HDPE @ 0.10%
A4 TO A5	32 L.F. - 15" HDPE @ 1.87%
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STORM SEWER PIPE 'B' SCHEDULE

B1 TO B2	(2) 54 L.F. - 18" HDPE @ 0.37%
B3 TO B4	(2) 50 L.F. - 18" HDPE @ 0.40%
B5 TO B6	185 L.F. - 30" HDPE @ 0.83%
B6 TO B7	57 L.F. - 30" RCP @ 0.66%

STORM SEWER PIPE 'C' SCHEDULE

C1 TO C2	35 L.F. - 24" HDPE @ 0.30%
C2 TO C3	130 L.F. - 24" HDPE @ 0.30%
C3 TO C4	155 L.F. - 24" HDPE @ 0.30%
C4 TO C5	56 L.F. - 30" CONCRETE PIPE @ 0.32%

0 30 60 90

NORTH CAROLINA PROFESSIONAL SEAL 033961 10.13.2026 ENGINEER MICHAEL S. GADDY

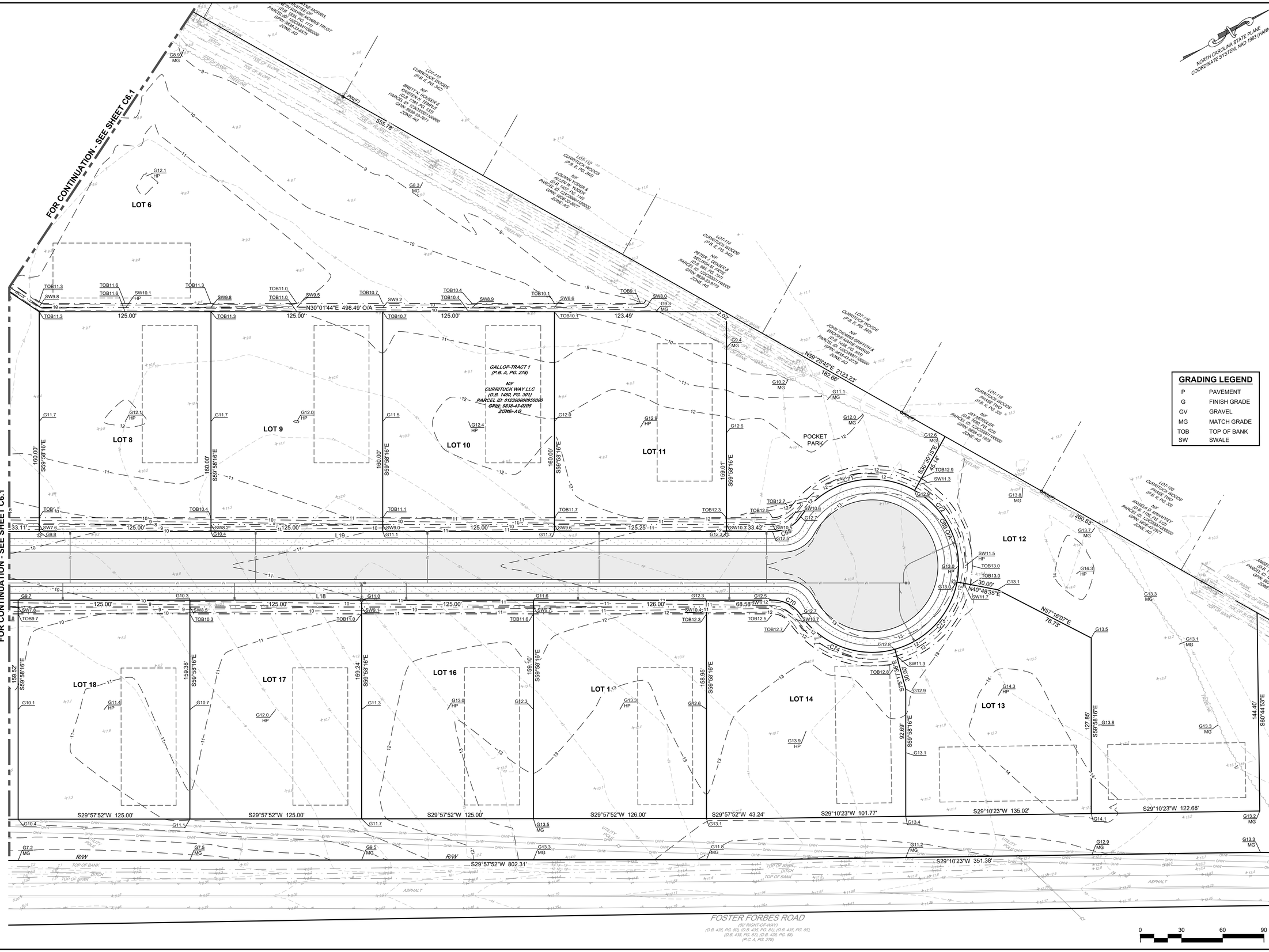
GADDY ENGINEERING SERVICES, LLC
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508 N. BIRDNECK RD. SUITE D
VIRGINIA BEACH, VIRGINIA 23451
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

REV. NO. | REV. BY | REVISION DATE | REVISION | DESCRIPTION

GRADING, DRAINAGE, & STORMWATER PLAN
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C6.1

SCALE: 1" = 30'



GRADING LEGEND

P	PAVEMENT
G	FINISH GRADE
GV	GRAVEL
MG	MATCH GRADE
TOB	TOP OF BANK
SW	SWALE

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033961 10.13.2026 MICHAEL S. GADDY

GADDY ENGINEERING SERVICES, LLC

GADDY ENGINEERING SERVICES, LLC
508 N. BIRDNECK RD. SUITE D
VIRGINIA BEACH, VIRGINIA 23451
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

REVISION DESCRIPTION

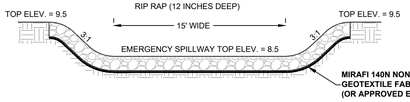
REV. NO. REV. BY

GRADING, DRAINAGE, & STORMWATER PLAN
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C6.2

21 of 28 Sheets

SCALE: 1" = 30'



EMERGENCY SPILLWAY CROSS SECTION

NTS

STORM SEWER 'A' STRUCTURE TABLE

A1	NCDOT DROP INLET (SEE DETAIL ON C7.1) STA:12+25.62, L-281.98 RIM=7.89 INV=5.95(Out)E
A2	STMH STA:12+07.97, L-244.98 RIM=8.59 INV=5.88(In)W INV=5.83(Out)NE

STORM SEWER FES STRUCTURE TABLE

A1	NCDOT DROP INLET (SEE DETAIL ON C7.1) INV=5.95(Out)E

STORM SEWER 'B' STRUCTURE TABLE

B6	DROP INLET STA:14+40.00, L-222.91 RIM=7.04 INV=4.45(In)NE INV=4.35(Out)SW

STORM SEWER PIPE 'A' SCHEDULE

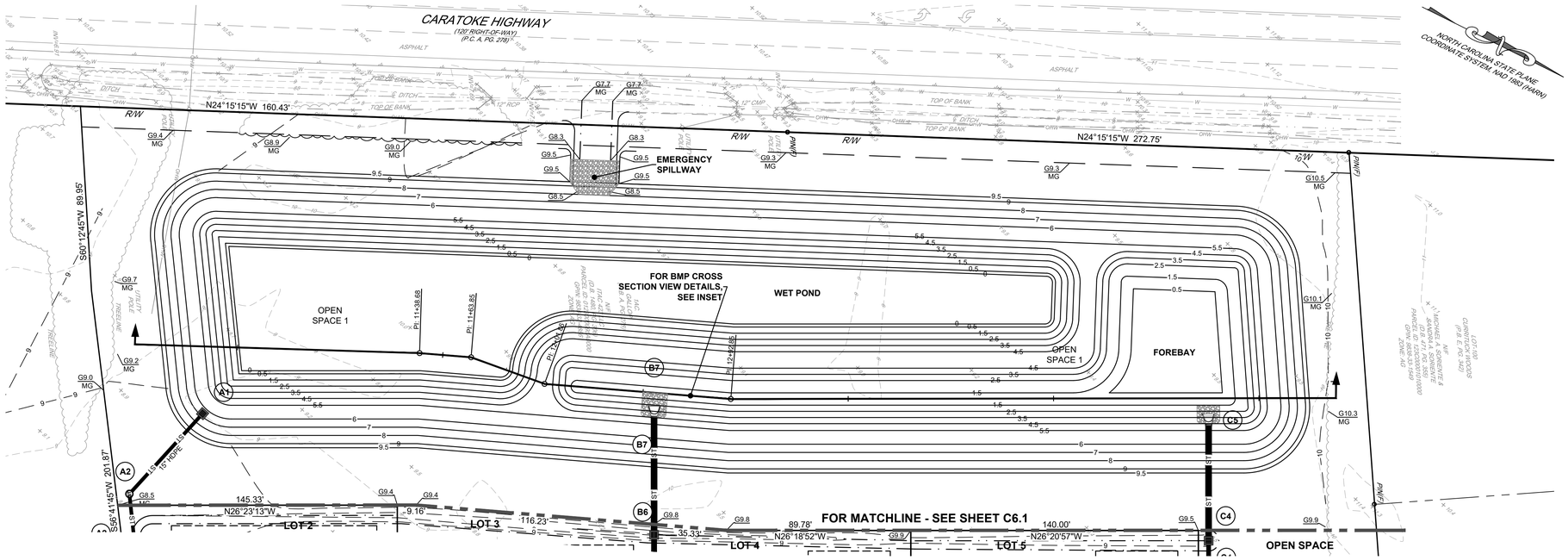
A1 TO A2	53 L.F. - 15" HDPE @ 0.14%
A2 TO A3	250 L.F. - 15" HDPE @ 0.10%

STORM SEWER PIPE 'B' SCHEDULE

B6 TO B7	57 L.F. - 30" RCP @ 0.66%

STORM SEWER PIPE 'C' SCHEDULE

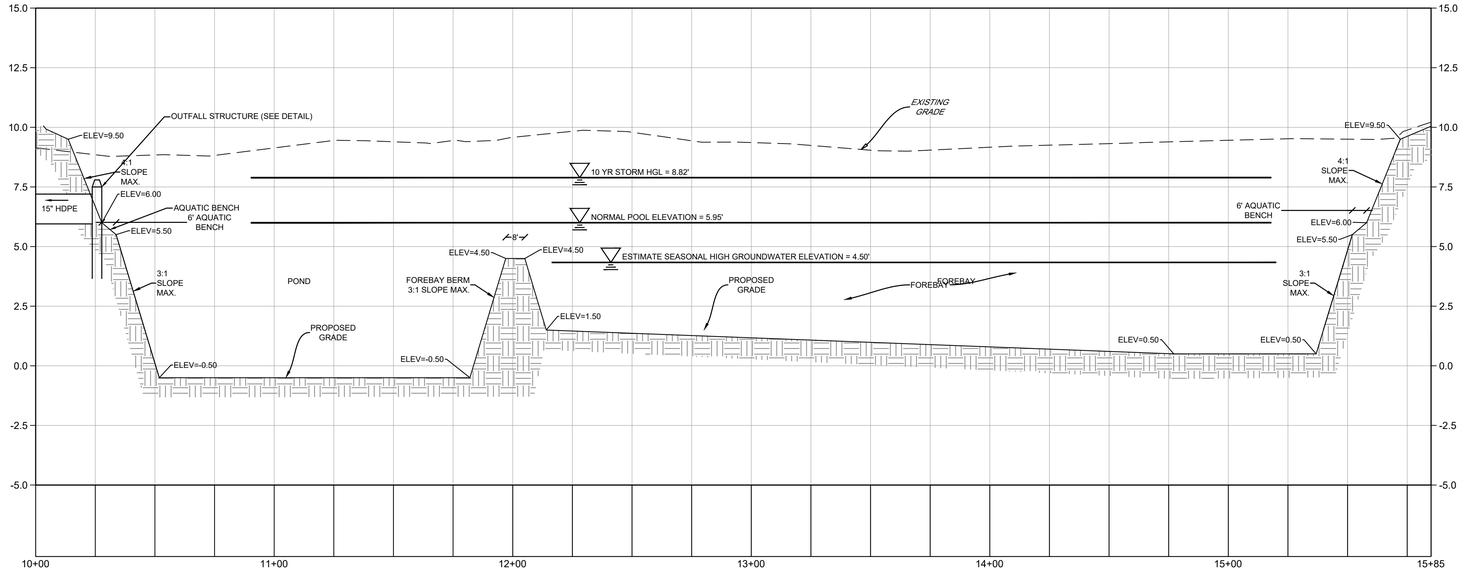
C4 TO C5	56 L.F. - 30" CONCRETE PIPE @ 0.32%

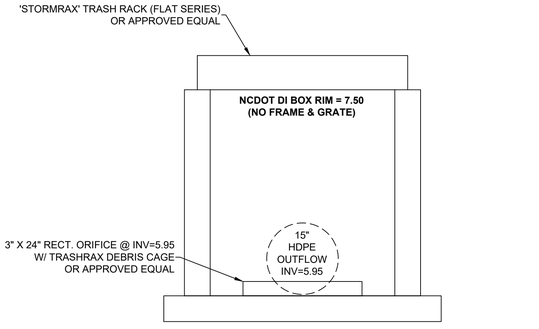


GRADING LEGEND

P	PAVEMENT
G	FINISH GRADE
GV	GRAVEL
MG	MATCH GRADE
TOB	TOP OF BANK
SW	SWALE

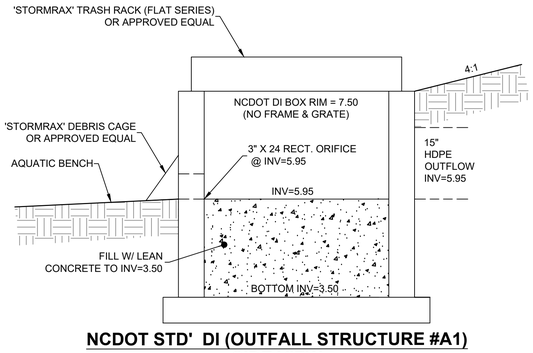
Profile View of CROSS SECTION FOR STORMWATER MANAGEMENT WET POND





NCDOT STD' DI (OUTFALL STRUCTURE #A1) FRONT VIEW

NTS



NCDOT STD' DI (OUTFALL STRUCTURE #A1) SIDE VIEW

NTS

WET POND MAINTENANCE

Routine maintenance includes (NCDWQ, 2007):

- Immediately after the wet detention basin is established, plantings on the vegetated shelf and perimeter should be watered twice weekly if needed, until plants become established.
- No portion of the wet detention basin should be fertilized after the first initial fertilization that is required to establish vegetated shelf plantings.
- Stable ground cover should be maintained in the drainage area to reduce sediment loads into the basin.
- Removal of sediment from the forebay and main treatment area once sediment has accumulated to reduce the depth to 75% of the design depth.
- Routine mowing to keep vegetation around the basin maintained to a height of approximately 6 inches. Cold season grasses should be no shorter than 4 inches; warm season grasses no shorter than 3 inches.
- If the basin must be drained for an emergency or to perform maintenance, the flushing of sediment through the emergency drain should be minimized.
- Remove weeds and noxious vegetation by hand or by wiping herbicide. Do not spray.

WET POND INSPECTIONS

Inspection routines include:

- The basin should be inspected once a month after the wet detention pond is established, and within 24 hours after every storm event greater than 1.5 inches. Records should be kept and made available upon request.
- Check sediment accumulation in the forebay and main treatment areas. If sediment accumulation has reduced the depth to 75% of the design depth, remove sediment and dispose of it off-site.
- Check for weeds and other noxious plants which may choke out desirable vegetation.
- Once a year, a dam safety expert should inspect the embankment.
- Refer to Appendix C for a sample inspection checklist. Inspection activities should be performed as recommended in the checklist. Any problems found should be repaired immediately.

0 30 60 90

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033961 10.13.2026 MICHAEL S. GADDY

GADDY ENGINEERING SERVICES, LLC

GADDY ENGINEERING SERVICES, LLC
508 N. BIRDNECK RD. SUITE D
VIRGINIA BEACH, VIRGINIA 23451
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

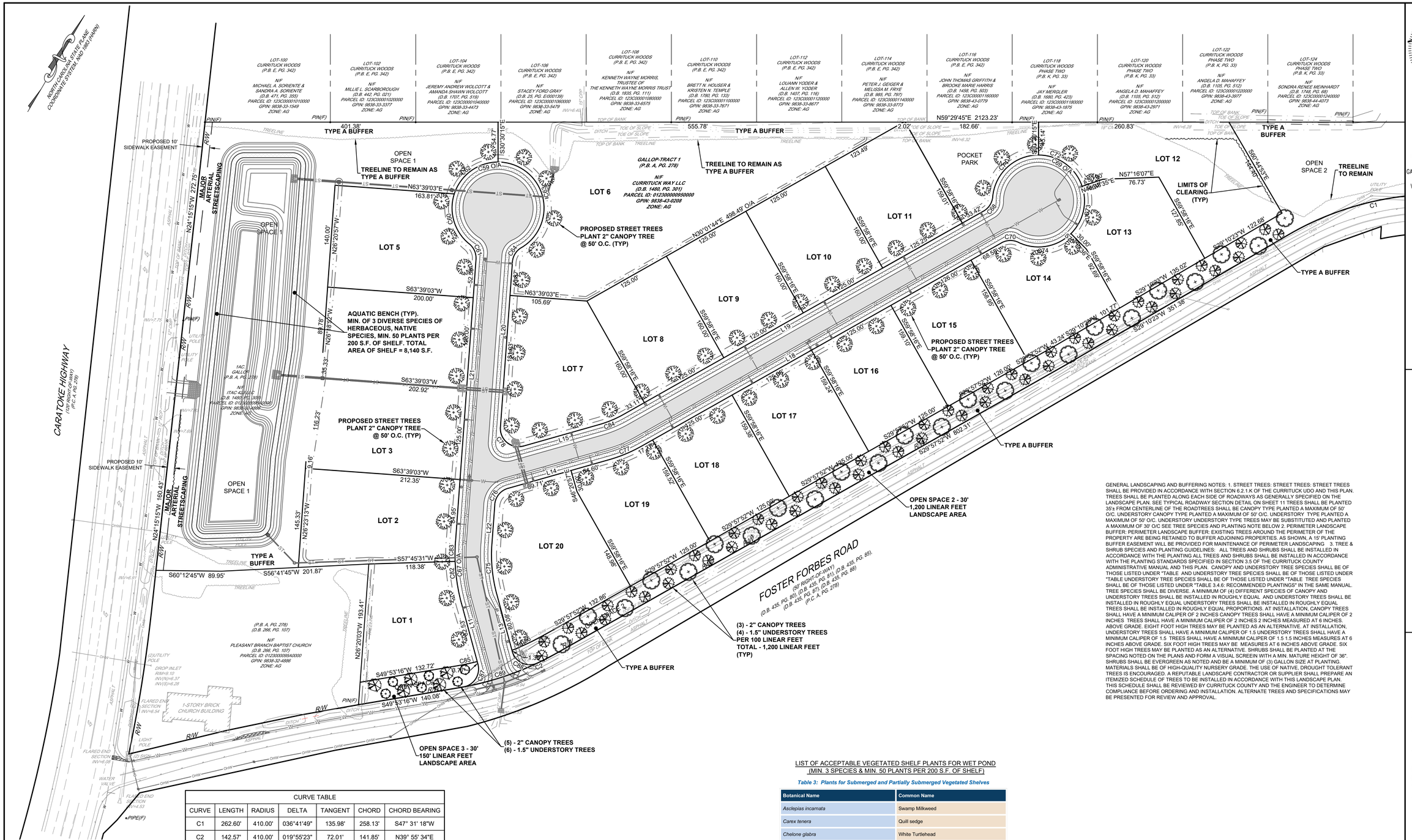
REVISION DATE	DESCRIPTION	REV. NO.	REV. BY

WET POND & PROFILE
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C7.1

22 of 28 Sheets

SCALE: 1" = 30'



CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD BEARING
C1	262.60'	410.00'	036°41'49"	135.98'	258.13'	S47° 31' 18"W
C2	142.57'	410.00'	019°55'23"	72.01'	141.85'	N39° 55' 34"E

GENERAL LANDSCAPING AND BUFFERING NOTES: 1. STREET TREES: STREET TREES: STREET TREES SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 6.2.1.K OF THE CURRITUCK UDO AND THIS PLAN. TREES SHALL BE PLANTED ALONG EACH SIDE OF ROADWAYS AS GENERALLY SPECIFIED ON THE LANDSCAPE PLAN. SEE TYPICAL ROADWAY SECTION DETAIL ON SHEET 11 TREES SHALL BE PLANTED 35± FROM CENTERLINE OF THE ROADTREES SHALL BE CANOPY TYPE PLANTED A MAXIMUM OF 50' O/C. UNDERSTORY CANOPY TYPE PLANTED A MAXIMUM OF 50' O/C. UNDERSTORY TYPE PLANTED A MAXIMUM OF 50' O/C. UNDERSTORY UNDERSTORY TYPE TREES MAY BE SUBSTITUTED AND PLANTED A MAXIMUM OF 30' O/C SEE TREE SPECIES AND PLANTING NOTE BELOW 2. PERIMETER LANDSCAPE BUFFER: PERIMETER LANDSCAPE BUFFER: EXISTING TREES AROUND THE PERIMETER OF THE PROPERTY ARE BEING RETAINED TO BUFFER ADJOINING PROPERTIES. AS SHOWN, A 15' PLANTING BUFFER EASEMENT WILL BE PROVIDED FOR MAINTENANCE OF PERIMETER LANDSCAPING 3. TREE & SHRUB SPECIES AND PLANTING GUIDELINES: ALL TREES AND SHRUBS SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANTING ALL TREES AND SHRUBS SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANTING STANDARDS SPECIFIED IN SECTION 3.5 OF THE CURRITUCK COUNTY ADMINISTRATIVE MANUAL AND THIS PLAN. CANOPY AND UNDERSTORY TREE SPECIES SHALL BE OF THOSE LISTED UNDER "TABLE AND UNDERSTORY TREE SPECIES SHALL BE OF THOSE LISTED UNDER "TABLE UNDERSTORY TREE SPECIES SHALL BE OF THOSE LISTED UNDER "TABLE TREE SPECIES SHALL BE OF THOSE LISTED UNDER "TABLE 3.4.6: RECOMMENDED PLANTINGS" IN THE SAME MANUAL. TREE SPECIES SHALL BE DIVERSE. A MINIMUM OF (4) DIFFERENT SPECIES OF CANOPY AND UNDERSTORY TREES SHALL BE INSTALLED IN ROUGHLY EQUAL AND UNDERSTORY TREES SHALL BE INSTALLED IN ROUGHLY EQUAL UNDERSTORY TREES SHALL BE INSTALLED IN ROUGHLY EQUAL TREES SHALL BE INSTALLED IN ROUGHLY EQUAL PROPORTIONS. AT INSTALLATION, CANOPY TREES SHALL HAVE A MINIMUM CALIPER OF 2 INCHES CANOPY TREES SHALL HAVE A MINIMUM CALIPER OF 2 INCHES TREES SHALL HAVE A MINIMUM CALIPER OF 2 INCHES 2 INCHES MEASURED AT 6 INCHES. ABOVE GRADE. EIGHT FOOT HIGH TREES MAY BE PLANTED AS AN ALTERNATIVE. AT INSTALLATION, UNDERSTORY TREES SHALL HAVE A MINIMUM CALIPER OF 1.5 UNDERSTORY TREES SHALL HAVE A MINIMUM CALIPER OF 1.5 TREES SHALL HAVE A MINIMUM CALIPER OF 1.5 1.5 INCHES MEASURES AT 6 INCHES ABOVE GRADE. SIX FOOT HIGH TREES MAY BE MEASURES AT 6 INCHES ABOVE GRADE. SIX FOOT HIGH TREES MAY BE PLANTED AS AN ALTERNATIVE. SHRUBS SHALL BE PLANTED AT THE SPACING NOTED ON THE PLANS AND FORM A VISUAL SCREEIN WITH A MIN. MATURE HEIGHT OF 36". SHRUBS SHALL BE EVERGREEN AS NOTED AND BE A MINIMUM OF (3) GALLON SIZE AT PLANTING. MATERIALS SHALL BE OF HIGH-QUALITY NURSERY GRADE. THE USE OF NATIVE, DROUGHT TOLERANT TREES IS ENCOURAGED. A REPUTABLE LANDSCAPE CONTRACTOR OR SUPPLIER SHALL PREPARE AN ITEMIZED SCHEDULE OF TREES TO BE INSTALLED IN ACCORDANCE WITH THIS LANDSCAPE PLAN. THIS SCHEDULE SHALL BE REVIEWED BY CURRITUCK COUNTY AND THE ENGINEER TO DETERMINE COMPLIANCE BEFORE ORDERING AND INSTALLATION. ALTERNATE TREES AND SPECIFICATIONS MAY BE PRESENTED FOR REVIEW AND APPROVAL.

LIST OF ACCEPTABLE VEGETATED SHELF PLANTS FOR WET POND
(MIN. 3 SPECIES & MIN. 50 PLANTS PER 200 S.F. OF SHELF)

Table 3: Plants for Submerged and Partially Submerged Vegetated Shelves

Botanical Name	Common Name
Asclepias incarnata	Swamp Milkweed
Carex tenera	Quill sedge
Chelone glabra	White Turtlehead
Eupatoriadelphus dubius	Dwarf Joe Pye Weed
Eupatoriadelphus fistulosus	Joe Pye Weed
Eupatoriadelphus maculatus	Spotted trumpetweed
Hibiscus coccineus	Scarlet rose mallow
Hibiscus laevis	Halberdleaf rosemallow
Kosteletzkya virginica	Seashore Mallow
Lobelia cardinalis	Cardinal flower
Lobelia elongata	Longleaf lobelia
Lobelia siphilitica	Great blue Lobelia
Rhynchospora colorata	Starrush whitetop
Saccharum baldwinii	Narrow plumegrass

0 60 120 180

SCALE: 1" = 60'

NORTH CAROLINA PROFESSIONAL SEAL L-5622 10.13.2026 LAND SURVEYOR MICHAEL S. GADDY

GADDY ENGINEERING SERVICES, LLC

GADDY ENGINEERING SERVICES, LLC
508 N. BIRDNECK RD. SUITE D
VIRGINIA BEACH, VIRGINIA 23451
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

REVISION DATE | REVISION DESCRIPTION | REV. NO. / REV. BY

OVERALL LANDSCAPE PLAN FOR CURRITUCK WAY SUBDIVISION

POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C8.1

23 of 28 Sheets

DATE: PAGE:

CONSIDERATIONS FOR CONSTRUCTION SCHEDULING

CONSTRUCTION ACTIVITY	SCHEDULE CONSIDERATION
CONSTRUCTION ACCESS: Construction entrance, construction routes, equipment parking areas.	First land-disturbing activity- Stabilize bare areas immediately with gravel and temporary vegetation as construction takes place.
SEDIMENT TRAPS AND BARRIERS: Basin traps, sediment fences, and outlet protection.	Install principal basins after construction site is accessed. Install additional traps and barriers as needed during grading.
RUNOFF CONTROL: Diversions, perimeter dikes, water bars, and outlet protection.	Install key practices after principal sediment traps and before land grading. Install additional runoff-control measures during grading.
RUNOFF CONVEYANCE SYSTEM: Stabilize streambanks, storm drains, channels, inlet and outlet protection, and slope drains.	Where necessary, stabilize streambanks as early as possible. Install principal runoff conveyance system with runoff-control measures. Install remainder of system after grading.
LANDING CLEARING AND GRADING: Site preparation- cutting, filling and grading, sediment traps, barriers, diversions, drains, and surface roughening.	Begin major clearing and grading **AFTER** principal sediment and key runoff-control measures are installed. Clear borrow and disposal areas only as needed. Install additional control measures as grading progresses. Mark trees and buffer areas for preservation.
SURFACE STABILIZATION: Temporary and permanent seeding, mulching, sodding and riprap.	Apply temporary or permanent stabilization measures immediately on all disturbed areas where work is delayed or complete.
BUILDING CONSTRUCTION: Buildings, utilities, and paving.	Install necessary additional erosion and sedimentation control practices as work takes place.
LANDSCAPE AND FINAL STABILIZATION: Topsoiling, trees and shrubs, permanent seeding, mulching, sodding, and riprap.	Last construction phase: Stabilize all open areas, including borrow and spoil areas. Remove and stabilize all temporary control areas.

NOTE: The above are the main aspects of a typical construction sequence in general terms. A detailed Construction Sequence should be site specific based on your project and site needs. As a minimum, the construction sequence schedule should show the following:

- The erosion and sedimentation control practices to be installed,
- Principal development activities,
- What measures should be in place before other activities are begun, and
- Compatibility with the general construction schedule of the contract.

Many timely construction techniques can reduce the erosion potential of a site, such as (1) shaping earthen fills daily to prevent overflows and (2) constructing temporary diversions ahead of anticipated storms. These types of activities cannot be put on the construction sequence schedule, but should be used whenever possible.

DEQ Energy, Mineral and Land Resources

CONSTRUCTION SEQUENCING

Effective Date: 9/1/2023 In accordance with the 2013 Design Manual Updates

DATE: PAGE:

SPACING GUIDE FOR SLOPE BREAKS

	SLOPE	SPACING (FT)
Steep Slopes	2:1	20
	3:1	35
	4:1	45
Long Slopes	15-25%	50
	10-15%	80
	6-10%	125
	3-6%	200
	<3%	300

Use slope breaks, such as diversions, wattles, or benches, as appropriate, to reduce the length of cut-and-fill slope to limit sheet and rill erosion and prevent gullying.

MAINTENANCE:

1. Periodically check all graded areas and the supporting erosion and sedimentation control practices, especially after heavy rainfalls.
2. Promptly remove all sediment from diversions and other water-disposal practices.
3. If washouts or breaks occur, repair immediately.
4. Prompt maintenance of small eroded areas before they become significant gullies is an essential part of an effective erosion and sedimentation control plan.

NOTES:

1. Construct and maintain all erosion and sediment control practices and measures in accordance with the approved sedimentation control plan and construction schedule.
2. Remove good topsoil from areas to be graded and filled, and preserve it for use in finishing the grading of all critical areas.
3. Scarify areas to be topsoiled to a minimum depth of 2 inches before placing topsoil.
4. Clear and grub areas to be filled by removing trees, vegetation, roots, or other objectionable material that would affect the planned stability of the fill.
5. Ensure that fill material is free of brush, rubbish, rocks, logs, stumps, building debris, and other materials inappropriate for constructing stable fills.
6. Place all fill in layers not to exceed 9 inches in thickness, and compact the layers as required to reduce erosion, slippage, settlement, or other related problems.
7. Do not incorporate frozen, soft, mucky, or highly compressible materials into fill slopes.
8. Do not place fill on a frozen foundation, due to possible subsidence and slippage.
9. Keep diversions and other water conveyance measures free of sediment during all phases of development.
10. Handle seeps or springs encountered during construction in accordance with approved methods (subsurface drain).
11. Permanently stabilize all graded areas immediately after final grading is completed on each area in the grading plan. Apply temporary stabilization measures on all graded areas when work is to be interrupted or delayed for 30 days or longer.
12. Show topsoil, stockpiles, borrow areas, and spoil areas on the plans, and make sure they are adequately protected from erosion. Include final stabilization of these areas in the plan.

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LAND GRADING

Effective Date: 9/1/2023 In accordance with the 2013 Design Manual Updates

DATE: PAGE:

TEMPORARY SEEDING RECOMMENDATIONS FOR LATE WINTER AND EARLY SPRING

Seeding Mixture

Species	Rate (lb/acre)
Rye (grain)	120
Annual lespedeza (Kobe in Piedmont and Coastal Plain, Korean in Mountains)	50

Omit annual lespedeza when duration of temporary cover is not to extend beyond June.

Seeding Dates
Mountains—Above 2500 feet: Feb. 15 - May 15
Below 2500 feet: Feb. 1- May 1
Piedmont—Jan. 1 - May 1
Coastal Plain—Dec. 1 - Apr. 15

Mulch
Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

Maintenance
Refertilize if growth is not fully adequate. Reseed, refertilize and mulch immediately following erosion or other damage.

TEMPORARY SEEDING RECOMMENDATIONS FOR SUMMER

Seeding Mixture

Species	Rate (lb/acre)
German millet	40

In the Piedmont and Mountains, a small-stemmed Sudangrass may be substituted at a rate of 50 lb/acre.

Seeding Dates
Mountains — May 15 - Aug. 15
Piedmont — May 1 - Aug. 15
Coastal Plain — Apr. 15 - Aug. 15

Mulch
Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

Maintenance
Refertilize if growth is not fully adequate. Reseed, refertilize and mulch immediately following erosion or other damage.

TEMPORARY SEEDING RECOMMENDATIONS FOR FALL

Seeding Mixture

Species	Rate (lb/acre)
Rye (grain)	120

Seeding Dates
Mountains — Aug. 15 - Dec. 15
Coastal Plain and Piedmont — Aug. 15 - Dec. 31

Mulch
Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

Maintenance
Repair and refertilize damaged areas immediately. Topdress with 50 lb/acre of nitrogen in March. If it is necessary to extend temporary cover beyond June 15, overseed with 50 lb/acre Kobe (Piedmont and Coastal Plain) or Korean (Mountains) lespedeza in late February or early March.

SEED BED PREPARATION:

LIMING- Apply lime according to soil test recommendations. If the pH (acidity) of the soil is not known, an application of ground agricultural limestone at the rate of 1-½ tons/acre on coarse-textured soils and 2-3 tons/acre on fine-textured soils is usually sufficient. Apply limestone uniformly and incorporate into the top 4-6 inches of soil. Soils with a pH of 6 or higher need not be limed.

FERTILIZER- Base application rates on soil tests. When these are not possible, apply a 10-10-10 grade fertilizer at 700 - 1,000 lb/acre. Both fertilizer and lime should be incorporated into the top 4-6 inches of soil. If a hydraulic seeder is used, do not mix seed and fertilizer more than 30 minutes before application.

SURFACE ROUGHENING- If recent tillage operations have resulted in a loose surface additional roughening may not be required, except to break up large clods. If rainfall causes the surface to become sealed or crusted, loosen it just prior to seeding by raking, harrowing, or other suitable methods for fine grading. The finished grade shall be a smooth even soil surface with a loosen uniformly fine texture. All ridges and depressions shall be removed and filled to provide the approved surface drainage. Planting is to be done immediately after finished grades are obtained and seedbed preparation is completed.

DEQ Energy, Mineral and Land Resources

TEMPORARY SEEDING

Effective Date: 9/1/2023 In accordance with the 2013 Design Manual Updates

DATE: PAGE:

NON-INVASIVE PERMANENT SEEDING RECOMMENDATIONS FOR LATE WINTER AND EARLY SPRING

SEEDING MIXTURE

Species	Rate
Centipede	5 lbs/acre
Indian Woodoats	1.5-2.5 lbs/acre*
Virginia Wild Rye	4-6 lbs/acre

*Depending upon mix with other species. See table 6.11.d from Chapter 6 of the NC Erosion and Sediment Control Planning and Design Manual.

Seeding Dates
Coastal or Eastern Piedmont for Centipede- Sept. 1 - May 1
Coastal and Piedmont for Indian Woodoats and Virginia Wild Rye- Feb 15 - April 1
Mountains for Indian Woodoats and Virginia Wild Rye- March 1 - May 15

Maintenance:
Significant maintenance may be required to obtain desired cover.

NON-INVASIVE PERMANENT SEEDING RECOMMENDATIONS FOR SUMMER

SEEDING MIXTURE

Species	Rate
Indian Woodoats	1.5-2.5 lbs/acre*
Virginia Wild Rye	4-6 lbs/acre*

*Depending upon mix with other species. See table 6.11.d from Chapter 6 of the NC Erosion and Sediment Control Planning and Design Manual.

Seeding Dates
Mountains - July 15- Aug 15
Piedmont - Aug 15 - Oct 15

Maintenance:
Indian Woodoats and Virginia Wild Rye are both sun and shade tolerant.

NON-INVASIVE PERMANENT SEEDING RECOMMENDATIONS FOR FALL

SEEDING MIXTURE

Species	Rate
Hard Fescue	15 lbs/acre
Switchgrass	2.5-3.5 lbs/acre*
Indian Grass	5-7 lbs/acre*
Big Bluestem	5-7 lbs/acre*
Indian Woodoats	1.5-2.5 lbs/acre*
Virginia Wild Rye	4-6 lbs/acre*

*Depending upon mix with other species. See table 6.11.d from Chapter 6 of the NC Erosion and Sediment Control Planning and Design Manual.

Seeding Dates
Mountains - Hard Fescue- Aug 1 - June 1
Mountains- Switchgrass, Indian Grass, Big Bluestem- Dec 1 - April 15
Piedmont and Coastal- Switchgrass, Indian Grass, Big Bluestem- Dec 1 - April 1
Coastal- Indian Woodoats and Virginia Wild Rye- Sept 1 - Nov 1

Maintenance:
Hard Fescue is not recommended for slopes > 5%. Prefers shade.

SEED BED PREPARATION:

LIMING- Apply lime according to soil test recommendations. If the pH (acidity) of the soil is not known, an application of ground agricultural limestone at the rate of 1 to 1 ½ tons/acre on coarse0textured soils and 2-3 tons/acre on fine-textured soils is usually sufficient. Apply limestone uniformly and incorporate into the top 4-6 inches of soil. Soils with a pH of 6 or higher need not be limed.

FERTILIZER- Base application rates on soil tests. When these are not possible, apply a 10-10-10 grade fertilizer at 700-1,000 lb/acre. Both fertilizer and lime should be incorporated into the top 4-6 inches of soil. If a hydraulic seeder is used, do not mix seed and fertilizer more than 30 minutes before application.

SURFACE ROUGHENING- If recent tillage operations have resulted in a loose surface additional roughening may not be required, except to break up large clods. If rainfall causes the surface to become sealed or crusted, loosen it just prior to seeding by raking, harrowing, or other suitable methods for fine grading. the finished grade shall be a smooth even soil surface with a loosen uniformly fine texture. all ridges and depressions shall be removed and filled to provide the approved surface drainage . Planting is to be done immediately after finished grades are obtained and seedbed preparation is completed.

NOTES:

1. Permanent seeding, sodding or other means of stabilization are required when all construction work is completed according to the NPDES timeframes table.
2. A North Carolina Department of Agriculture soils test (or equal) is highly recommended to be obtained for all areas to be seeded, sprigged, sodded or planted.
3. Use a seeding mix that will produce fast0growing nurse crops and includes non-invasive species that will eventually provide a permanent groundcover. Soil blankets may be used in lieu of nurse crops. Mat, tack or crimp mulch, as needed to stabilize seeded areas until root establishment. Mulch must cover at leaser 80% of the soil surface.
4. Ground cover shall be maintained until permanent vegetation is established and stable against accelerated erosion.

DEQ Energy, Mineral and Land Resources

PERMANENT SEEDING

Effective Date: 9/1/2023 In accordance with the 2013 Design Manual Updates

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Mulching Materials and Application Rates

Material Organic Mulches	Rate Per Acre	Quality	Notes
Straw	1-2 tons	Dry, unchopped, unweathered; avoid weeds.	Should come from wheat or oats; spread by hand or machine; must be tacked down.
Wood Chips	5-6 tons	Air dry	Treat with 12 lbs nitrogen/ton. Apply with mulch blower, chip handle, or by hand. Not for use in fine turf.
Wood Fiber	0.5-1 tons		Also referred to as wood cellulose. May be hydroseeded. Do not use in hot, dry weather.
Bark	35 cubic yards	Air dry, shredded or hammer-milled, or chips.	Apply with mulch blower, chip handler, or by hand. Do not use asphalt tack.
Corn Stalks	4-6 tons	Cut or shredded in 4-6 inch lengths.	Apply with mulch blower or by hand. Not for use in fine turf.
Sericea Lespedeza seed-bearing stems	1-3 tons	Green or dry; should contain mature seed.	
Nets and Mats*			
Jute net	Cover area	Heavy, uniform; woven of single jute yarn.	Withstands waterflow. Best when used with organic mulch
Fiberglass net	Cover area		Withstands waterflow. Best when used with organic mulch
Excelsior (wood fiber net)	Cover area		Withstands waterflow.
Fiberglass roving	0.5-1 tons	Continuous fibers of drawn glass bound together with a non-toxic agent.	Apply with a compressed air ejector. Tack with emulsified asphalt at a rate of 25-35 gal/1,000 sq. ft.
Chemical Stabilizers**			
Aquatain Aerospray Curasol AK Pertroset SB Terra Tack Crust 500 Genaqua 743 M-145	Follow Manufacturer's specifications		Not beneficial to plant growth

*Refer to Practice No. 6.30, Grass Lined Channels in the NC DEQ E&SC Planning and Design Manual
**Use of trade names does not imply endorsement of product.

NOTES:

1. Select material based on site and practice requirements, availability of material, labor and equipment.
2. Before mulching, complete grading, install sediment control practices, and prepare the seedbed. Apply seed before mulching **except** when seed is applied as part of a hydroseeder slurry containing wood fiber mulch or a hydroseeder slurry is applied over straw.

APPLICATION OF ORGANIC MULCH

1. Spread mulch uniformly by hand, or with a mulch blower.
2. When spreading straw mulch by hand, divide the area to be mulched into sections of approximately 1,000 ft^2, and place 70-90 lb. of straw(1 1/2 to 2 bales) in each section to facilitate uniform distribution.
3. After Spreading, no more than 25% of the ground surface should be visible.
4. In hydroseeding operations a green dye, added to the slurry, assures a uniform application.

ANCHORING ORGANIC MULCH

1. Straw mulch must be anchored immediately after spreading.
2. A tractor-drawn implement designed to punch mulch into the soil or a mulch anchoring tool provides maximum erosion control with straw. A regular farm disk, weighted and set nearly straight, may substitute, but will not do a job comparable to the mulch anchoring tool. The disk should not be sharp enough to cut the straw. These methods are limited to slopes no steeper than 3:1, where equipment can operate safely.
3. Application of liquid mulch binders and tackifiers should be heaviest at the edges of areas and at crests of ridges and banks, to resist winds. Binder should be applied uniformly to the rest of the area. Binders may be applied after mulch is spread, or may be sprayed into the mulch as it is being blown onto the soil. Applying straw and binder together is the most effective method.
4. Emulsified asphalt should be applied at 0.10 gallons per square yard (10 gal/1,000 ft^2). Heavier applications cause straw to "perch" over rills. Use Rapid setting (RS or CRS) designated asphalt in traffic areas to prevent uncured asphalt from being picked up on shoes and causing damage to rugs, clothes, etc.
5. Synthetic binders may be used as recommended by the manufacturer.
6. Lightweight plastic, cotton, jute, wire or paper nets may be stapled over the mulch according to the manufacturer's recommendations.
7. For small areas where other methods cannot be used, peg and twine anchoring can be used. Drive 8-10 inch wooden pegs to within 3 inches of the soil surface, every 4 feet in all directions. Stakes can be driven before or after straw is spread. Secure mulch by stretching twine between pegs in a criss-cross-within-a-square pattern. Turn twine two or more times around each peg.
8. Rye Grain may be used to anchor mulch in fall plantings, and German Millet in spring. Broadcast at 15 lb/acre before applying mulch.

CHEMICAL MULCHES

1. May be effective for soil stabilization if used between May 1 and June 15, or Sept. 15 and Oct. 15, provided that they are used on slopes **no steeper** than 4:1, and that proper seedbed preparation has been accomplished, including surface roughening where required.
2. Chemical mulches cannot be used to bind other mulches, or with wood fiber in a hydroseeded slurry at any time. Follow the manufacturer's recommendations for application.

FIBERGLASS ROVING

1. Spread roving uniformly over the area at a rate of 0.25 to 0.35 lb/yd^2. Anchor with asphalt immediately after application, at a rate of 0.25-0.35 gal/yd^2
2. As a channel lining, and at other sites of concentrated flow, the roving mat must be further anchored to prevent undermining.
3. It may be secured with stakes placed at intervals no greater than 10 feet along the draingeway, and randomly throughout its width, but not more than 10 feet apart.
4. As an option to staking, the roving can be buried to a depth of 5 inches at the upgrade end and at intervals of 50 feet along the length of the channel

NETS AND MATS

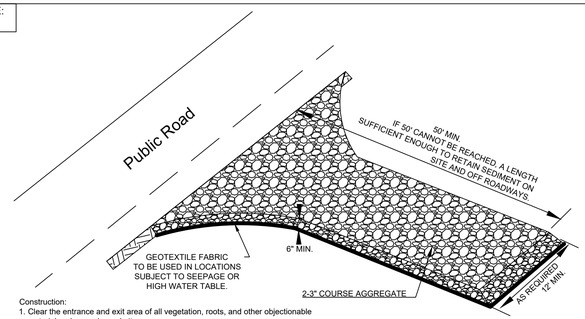
1. Nests alone generally provide little moisture conservation benefits and only limited erosion protection. Therefore, typically use in conjunction with an organic mulch such as straw.
2. Except when wood fiber slurry is used, netting should always be installed **over** the mulch. Wood fiber may be sprayed on top of an installed net.
3. Mats, including "excelsior" (wood fiber) blankets, are considered protective mulches and may be used alone.
4. Place the matting in firm contact with the soil, and staple securely.

DEQ Energy, Mineral and Land Resources

MULCHING

Effective Date: 9/1/2023 In accordance with the 2013 Design Manual Updates

DATE: PAGE:



Construction:

1. Clear the entrance and exit area of all vegetation, roots, and other objectionable material and properly grade it.
2. Place the stone or other stabilizing material to the specific grade and dimensions shown on the plans, and smooth it.
3. Provide drainage from construction entrance area to carry runoff to a sediment trap or other suitable collection area.
4. Divert construction site runoff away from the construction entrance area to nearby erosion and sediment control measures. Do not allow construction sites to outlet runoff through entrances/exits.
5. When appropriate to do so, use geotextile fabrics underneath construction entrance material to improve stability of the foundation, especially in locations subject to seepage or high water table.

Maintenance:

1. Inspect all measures at least weekly and after each rainfall of 1.0 inch or greater. Make any required repairs immediately.
2. Maintain the stone pad in a condition to prevent mud or sediment from leaving the construction site. This may require periodic topdressing with 2-inch stone.
3. Sediment on roadways is to be removed immediately by broom and shovel, either by manual or mechanical means, and not to be washed off where it has the potential to enter a stream, drainage way or storm drain system.

DEQ Energy, Mineral and Land Resources

TEMPORARY CONSTRUCTION ENTRANCE/EXIT

Effective Date: 9/1/2023 In accordance with the 2013 Design Manual Updates

GENERAL PROJECT NOTES:

PROJECT NAME: CURRITUCK WAY SUBDIVISION

LOCATION: FOSTER FORBES ROAD & CARATOKE HIGHWAY
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, N.C.

DEVELOPER: C. CHENEY COLE, JR.
1020 QUAIL COVEY LANE
VIRGINIA BEACH, VA 23451
EMAIL: ccole@slnusbaum.com
PH: 757-270-5323

PROJECT DESCRIPTION: PLANNED DEVELOPMENT RESIDENTIAL SUBDIVISION

NEAREST RECEIVING STREAM: ALBEMARLE SOUND, INDEX #30-2

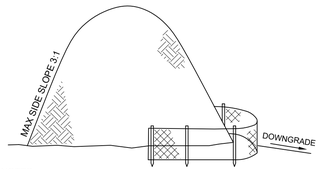
STREAM CLASSIFICATION: SB, RIVER BASIN: PASQUATANK

PROJECT AREA: 875,542 S.F. OR 20.099 AC. (TOTAL SITE AREA)
754,803 S.F. OR 17.33 AC. (TOTAL DISTURBED AREA)
(AREAS CALCULATED USING CIVIL 3D SOFTWARE)

MATERIAL BALANCE NOTE: ALL EXCAVATED MATERIAL OCCURING DURING THE COURSE OF CONSTRUCTION SHALL REMAIN ON-SITE FOR ROADWAY CONSTRUCTION AND LOT GRADING.

WETLAND NOTE: THERE ARE NO 404 JURISDICTIONAL WETLANDS DESIGNATED IN THE AREA OF PROPOSED CONSTRUCTION

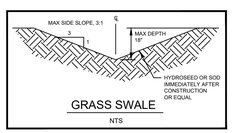
STABILIZATION NOTE: THE ANGLE OF GRADED SLOPES AND FILLS SHALL BE NO GREATER THAN THE ANGLE THAT CAN BE RETAINED BY VEGETATIVE COVER OR OTHER ADEQUATE EROSION CONTROL DEVICES OR STRUCTURES. IN ANY EVENT, ALL DISTURBED AREAS LEFT EXPOSED WILL, WITHIN 14 CALENDAR DAYS OF COMPLETION OF ANY PHASE OF GRADING, BE PLANTED OR OTHERWISE PROVIDED WITH TEMPORARY OR PERMANENT GROUND COVERS, DEVICES, OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION. ADDITIONALLY, CERTAIN CRITICAL AREAS AS IDENTIFIED ON THE PLAN, SUCH AS, BUT NOT LIMITED TO, PERIMETER DIKES, SWALES, SLOPES STEEPER THAN 3:1, AND AREAS LOCATED WITHIN HIGH QUALITY WATER ZONES, MUST BE TEMPORARILY OR PERMANENTLY STABILIZED WITHIN 7 CALENDAR DAYS OF COMPLETION OF ANY PHASE OF GRADING IN THESE AREAS. A PERMANENT GROUND COVER FOR ALL DISTURBED AREAS MUST BE PROVIDED WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER) FOLLOWING COMPLETION OF THE CONSTRUCTION OR DEVELOPMENT.



NOTES:

1. STOCKPILING - SELECT STOCKPILE LOCATION TO AVOID SLOPES, NATURAL DRAINAGEWAYS, AND TRAFFIC ROUTES. ON LARGE SITES, RESPREADING IS EASIER AND MORE ECONOMICAL WHEN TOPSOIL IS STOCKPILED IN SMALL PILES LOCATED NEAR AREAS WHERE THEY WILL BE USED.
2. SEDIMENT BARRIERS - USE BARRIERS AROUND STOCKPILES TO RETAIN SEDIMENT AS SHOWN ON THE PLANS.
3. TEMPORARY SEEDING - PROTECT TOPSOIL STOCKPILES BY TEMPORARILY SEEDING AS SOON AS POSSIBLE, NO MORE THAN 14 CALENDAR DAYS AFTER THE FORMATION OF THE STOCKPILE.
4. PERMANENT VEGETATION - IF STOCKPILES WILL NOT BE USED WITHIN 90 DAYS THEY MUST BE STABILIZED WITH PERMANENT VEGETATION TO CONTROL EROSION AND WEED GROWTH.

TYPICAL STOCKPILE
NTS



GRASS SWALE
NTS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033961 10.13.2026 MICHAEL S. GADDY

GADDY ENGINEERING SERVICES, LLC

GADDY ENGINEERING SERVICES, LLC
508 N. BIRDNECK RD. SUITE D
VIRGINIA BEACH, VIRGINIA 23451
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

REV. NO.	REV. BY	DESCRIPTION	REVISION DATE

DETAILS
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C9.1

24 of 28 Sheets

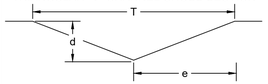
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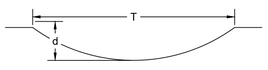
GRASS-LINED CHANNELS

TRIANGULAR "V" CHANNEL CROSS SECTION



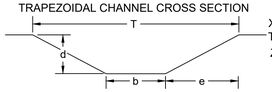
X-Section Area (A) = Zd^2
Top Width (T) = 2dz
Z= $\frac{e}{d}$

PARABOLIC CHANNEL CROSS SECTION



X-Section Area (A) = $\frac{2}{3}$ Td
Top Width (T) = $\frac{1.5A}{d}$

TRAPEZOIDAL CHANNEL CROSS SECTION



X-Section Area (A) = bd + Zd^2
Top Width (T) = b + 2dz
Z= $\frac{e}{d}$

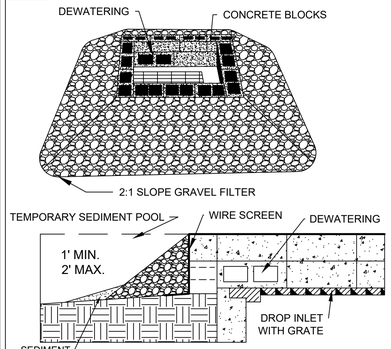
NOTES:
1. At a minimum, grass-lined channels should carry peak runoff from the 10-year storm without eroding. Increase the capacity according to the potential damage if flood hazard exists.
2. If design velocity of the channel to be vegetated by seeding exceeds 2 feet per second, a temporary channel liner is required.
3. Channel side slopes should be 3:1 or flatter to aid in the establishment of vegetation and for maintenance. V-shaped channels along roadways should have side slopes of 6:1 or flatter for safety.
4. Remove all trees, brush, stumps, and other objectionable material from the foundation area, and dispose of properly.
5. Excavate the channel, and shape it to neat lines and dimensions shown on the plans plus a 0.2 foot overcut around the channel perimeter to allow for bulking during seedbed preparations and sod buildup.
6. Remove and properly dispose of all excess soil so that the surface water may enter the channel freely.
7. The procedure used to establish grass in the channel will depend upon the severity of the conditions and selection of species. Protect the channel with mulch or a temporary liner sufficient to withstand anticipated velocities during the establishment period.

Maintenance:
1. During the establishment period, check grass-lined channels after every rainfall.
2. After grass is established, periodically check the channel. check after heavy rainfall events and immediately make any necessary repairs.
3. Check the channel outlet and all road crossings for bank stability and evidence of piping or scour holes.
4. Remove all significant sediment accumulations to maintain the designed carrying capacity.
5. Keep grass in a healthy, vigorous condition at all times.

Effective Date: 9/1/2023
In accordance with the 2013 Design Manual Updates

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BLOCK AND GRAVEL INLET PROTECTION (TEMPORARY)



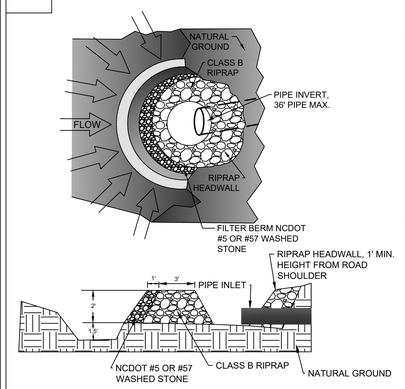
NOTES:
1. Lay one block, on each side of the structure, on its side in the bottom row to allow pool drainage. The foundation should be excavated at least 2 inches below the crest of the storm drain. Place the bottom row of blocks against the edge of the storm drain for lateral support and to avoid washouts when overflow occurs. If needed, give lateral support to subsequent rows by placing 2 inch x 4 inch wood studs through block openings.
2. Carefully fit hardware cloth or comparable wire mesh with 1/2-inch openings over all block openings to hold gravel in place.
3. Use clean gravel 1/2 to 3/4 inch in diameter, placed 2 inches below the top of the block on a 2:1 slope or flatter and smooth it to an even grade. NCDOT #57 washed stone is recommended.

MAINTENANCE:
1. Inspect all measures at least weekly and after every rainfall of 1.0 inch or greater; repair immediately.
2. Remove sediment as necessary to provide adequate storage volume for subsequent rains.
3. When the contributing drainage area has been adequately stabilized, remove all materials and any unstable soil, and either salvage or dispose of it properly. Bring the disturbed area to proper grade, then smooth and compact before stabilizing.

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ROCK PIPE INLET PROTECTION



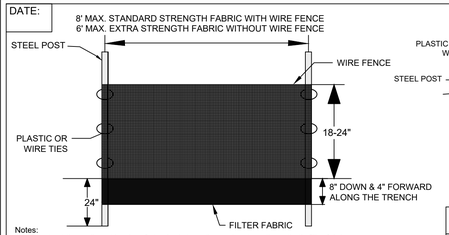
NOTES:
1. Clear the area of all debris that might hinder excavation and disposal of spoil.
2. Install the Class B or Class 1 riprap in a semi-circle around the pipe inlet. The stone should be built up higher on each end where it ties into the embankment. The minimum crest width of the riprap should be 3 feet, with a minimum bottom width of 11 feet. The minimum height should be 2 feet, but also 1 foot lower than the embankment of diversions.
3. A 1 foot thick layer of NC DOT #5 or #57 stone should be placed on the outside slope of the riprap.
4. The sediment storage area should be excavated around the outside of the stone horseshoe 18 inches below natural grade.
5. When contributing drainage area has been stabilized, remove the pipe and rock, fill depression, establish final grading elevations, compact the area properly, and stabilize with ground cover.

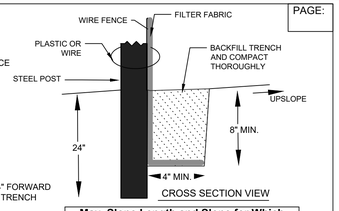
MAINTENANCE:
1. Inspect all measures at least weekly and after each rainfall of 1.0 inch or greater and repair immediately.
2. Remove sediment and restore the sediment storage area to its original dimensions when the sediment has accumulated to one-half the design depth of the trap.
3. Place the sediment that is removed in the designated disposal area and replace the contaminated part of the gravel facing.
4. Check the structure for damage. Any riprap displaced from the stone horseshoe must be replaced immediately.
5. After all the sediment-producing areas have been permanently stabilized, remove the structure and all the unstable sediment. Smooth the area to blend with the adjoining areas and provide permanent ground cover.

Effective Date: 9/1/2023
In accordance with the 2013 Design Manual Updates

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SEDIMENT FENCE





Max. Slope Length and Slope for Which Sediment Fence is Applicable

Slope	Slope Length (ft)	Max. Area (ft^2)
<2%	100	10,000
2 to 5%	75	7,500
5 to 10%	50	5,000
10 to 20%	25	2,500
>20%	15	1,500

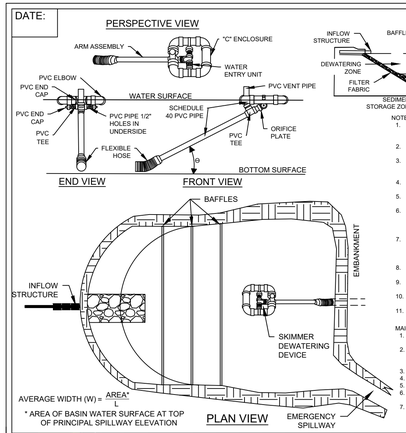
Notes:
1. Construct the sediment barrier of standard strength or extra strength synthetic filter fabrics.
2. Ensure that the height of the sediment fence does not exceed 24 inches above the ground. (Higher fences may impound volumes of water sufficient to cause failure of the structure)
3. Construct the filter fabric from a continuous roll cut to the length of the barrier to avoid joints. When joints are necessary, securely fasten the filter cloth only at a support post with 4 feet minimum overlap to the next post.
4. Support standard strength filter fabric by wire mesh fastened securely to the upslope side of the posts. Extend the wire mesh support to the bottom of the trench. Fasten the wire reinforcement, then fabric on the upslope side of the fence post. Wire or plastic zip ties should have a minimum 50 pound tensile strength.
5. When a wire mesh support fence is used, space posts a maximum of 8 feet apart. Supports should be driven securely into the ground a minimum of 24 inches. Wire mesh should be a minimum 14-gauge with 6 inch mesh spacing.
6. Extra strength filter fabric with 6 foot post spacing does not require a wire mesh support fence. Securely fasten the filter fabric directly to posts. Wire or plastic zip ties should have a minimum of 50 pound tensile strength.
7. Excavate the trench approximately 4 inches wide and 8 inches deep along the proposed line of the posts and upslope from the barrier.
8. Place 12 inches of fabric along the bottom and side of the trench.
9. Backfill the trench with soil placed over the filter fabric and compact. Thorough compaction of the backfill is critical to silt fence performance.
10. Do not attach filter fabric to existing trees.
11. Do not place across ditches, streams, or any other areas of concentrated flow.

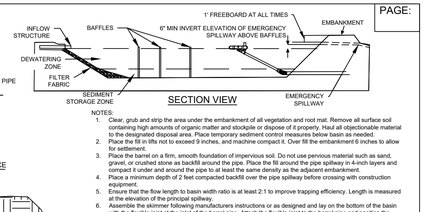
Maintenance:
1. Inspect all measures at least weekly and after each rainfall of 1.0 inch or greater. Make any required repairs immediately.
2. Should the fabric of a sediment fence collapse, tear, decompose, or become ineffective, replace it promptly.
3. Remove sediment deposits as necessary to provide adequate storage volume for the next rain and reduce pressure on the fence. Take care to avoid undermining the fence during cleanouts.
4. Remove all fencing materials and unstable sediment deposits and bring the area to grade and stabilize it after the contributing drainage area has been properly stabilized.

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SKIMMER SEDIMENT BASIN





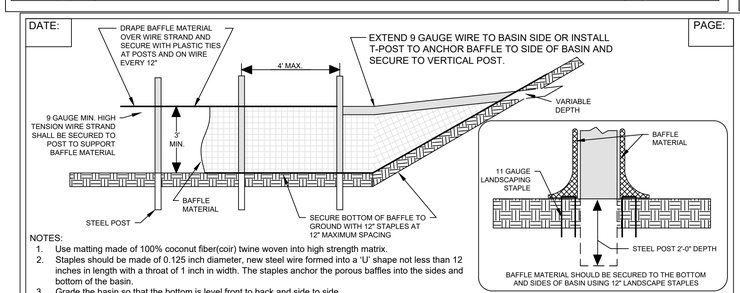
NOTES:
1. Clear, grub and strip the area under the embankment of all vegetation and root mat. Remove all surface soil containing high amounts of organic matter and stockpile or dispose of it properly. Haul all objectionable material to the designated disposal area. Place temporary sediment control measures below basin as needed.
2. Place the fill in lifts not to exceed 9 inches, and machine compact it. Over fill the embankment 6 inches to allow for settlement.
3. Place the barrel on a firm, smooth foundation of impervious soil. Do not use pervious material such as sand, gravel, or crushed stone as backfill around the pipe. Place the fill around the pipe spillway in 4-inch layers and compact it under and around the pipe to at least the same density as the adjacent embankment.
4. Place a minimum depth of 2 feet compacted backfill over the pipe spillway before crossing with construction equipment.
5. Ensure that the flow length to basin width ratio is at least 2:1 to improve trapping efficiency. Length is measured at the elevation of the principal spillway.
6. Assemble the skimmer following manufacturers instructions or as designed and lay on the bottom of the basin with the flexible joint at the inlet of the barrel pipe. Attach the flexible joint to the barrel pipe and position the skimmer over the excavated pit or support. Be sure to attach a rope and anchor it to the side of the basin.This will be used to pull the skimmer to the side for maintenance.
7. Install the spillway in undisturbed soil to the greatest extent possible. The spillway should be lined with laminated plastic or impermeable geotextile fabric. The fabric must be wide and long enough to cover the bottom and sides and extend onto the top of the dam for anchoring in a trench. The edges may be secured with 8-inch staples or pins.
8. Filter fabric must be long enough to extend down the slope and exit onto stable ground. The width of the fabric must be one piece, not joined or spliced; otherwise water can get under the fabric.
9. The upper section(s) should overlap the lower section(s) so that water cannot flow under the fabric. Secure the upper edge and sides of the fabric in a trench with staples or pins.
10. Discharge water into the basin in a manner to prevent erosion. Use temporary slope drains or diversions with outlet protection to divert sediment-laden water to the upper end of the pool area to improve basin trap efficiency.
11. Stabilize the emergency spillway embankment and all other disturbed areas above the crest of the principal spillway immediately after construction.

MAINTENANCE:
1. Inspect all measures at least weekly and after each rainfall of 1.0 inch or greater. Make necessary repairs immediately.
2. Remove sediment and restore the basin to its original dimensions when sediment accumulates to one-half the height of the first baffle. Pull the skimmer to one side so that the sediment underneath can be excavated. Excavate the sediment from the entire basin, not just around the skimmer or within the first cell.
3. Make sure any vegetation growing in the bottom of the basin does not hold down the skimmer.
4. Repair baffles if they are damaged. Re-anchor the baffles if water is flowing underneath or around them.
5. Ensure the skimmer is not clogged with trash or debris.
6. If the skimmer arm or barrel pipe is clogged, remove orifice and clear debris with a plumber's snake or by flushing with clean water. Be sure to replace the orifice before repositioning the skimmer.
7. Check fabric lined spillway for damage and make any required repairs with fabric that spans the full width of the spillway. Check the embankment, spillways, and outlet for erosion damage, and inspect the embankment for piping and settlement.

Effective Date: 9/1/2023
In accordance with the 2013 Design Manual Updates

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POROUS BAFFLES



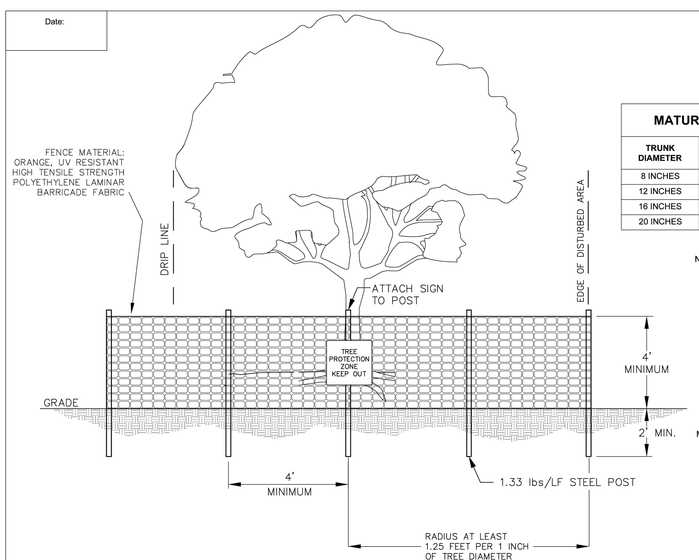
NOTES:
1. Use matting made of 100% coconut fiber(coir) twine woven into high strength matrix.
2. Staples should be made of 0.125 inch diameter, new steel wire formed into a 'U' shape not less than 12 inches in length with a throat of 1 inch in width. The staples anchor the porous baffles into the sides and bottom of the basin.
3. Grade the basin so that the bottom is level front to back and side to side.
4. Install the coir fiber baffles immediately upon excavation of the basins.
5. Install posts across the width of the sediment trap.
6. Steel posts should be driven to a depth of 24 inches and spaced in a maximum of 4 feet apart. The top of the fabric should be a minimum of 6 inches higher than the invert of the spillway. Tops of the baffles should be a minimum of 2 inches lower than the top of the earthen embankment.
7. Install 3 coir fiber baffles in basins at drainage outlets with a spacing of 1/4 the basin length. 2 coir fiber baffles can be installed in the basins less than 20 feet in length with a spacing of 1/3 the basin length.
8. Attach a 9-gauge high tension wire strand to the steel posts at a height of 6 inches above the spillway elevation with plastic ties or wire fasteners to prevent sagging. If the temporary sediment basin will be converted to a permanent stormwater basin of a greater depth, the baffle height should be based on the pool depth during use as a temporary sediment basin.

MAINTENANCE:
1. Inspect all measures at least weekly and after each rainfall of 1.0 inch or greater and repair immediately.
2. Maintain access to baffles. If the fabric collapses, tears, decomposes, or becomes ineffective, replace immediately.
3. Remove sediment deposits when it reaches half full. Replace if baffle fabric is damaged during clean-out operations. Sediment depth should never exceed half the designed storage depth.

Effective Date: 9/1/2023
In accordance with the 2013 Design Manual Updates

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TREE PROTECTION ZONES



MATURE TREE PROTECTION ZONE RADIUS

TRUNK DIAMETER	GOOD PROTECTION	BETTER PROTECTION	BEST PROTECTION
8 INCHES	10 FEET	12 FEET	20 FEET
12 INCHES	15 FEET	18 FEET	30 FEET
16 INCHES	20 FEET	24 FEET	40 FEET
20 INCHES	25 FEET	30 FEET	50 FEET

NOTES:
1. Leave critical areas (such as flood plains, steep slopes and wetlands) with desirable trees in their natural condition or only partially cleared.
2. Select trees to be preserved before siting roads, buildings or other structures.
3. Minimize trenching in areas with trees. Place several utilities in the same trench.
4. Prohibit or restrict access to tree protection zones(TPZ). Post "Keep Out" signs on all sides of fencing and do not store construction equipment or materials in TPZ.
5. Monitor trees using a professional or train your staff to monitor tree health during and after construction on a regular, frequent basis.
6. Assign a crew member to weekly TPZ fence integrity checks. Repair and replace TPZ fencing as needed.

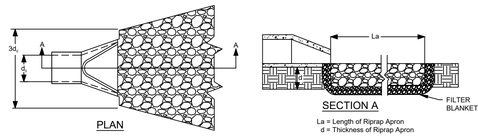
MAINTENANCE:
1. Prune any damaged trees. In spite of precautions, some damage to protected trees may occur. In such cases, repair any damage to the crown, trunk, or root system immediately.
2. Repair roots by cutting off the damaged areas and painting them them with tree paint. Spread peat moss or moist topsoil over exposed roots.
3. Repair damage to bark by trimming around the damaged area, taper the cut to provide drainage and paint with tree paint.
4. Cut off all damaged tree limbs above the tree collar at the trunk or main branch. Use three separate cuts to avoid peeling bark from healthy areas of the tree.

NORTH CAROLINA Environmental Quality
EFFECTIVE DATE:11/1/2020

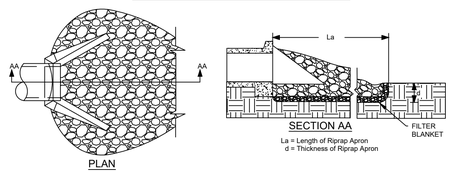
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OUTLET STABILIZATION STRUCTURE

PIPE OUTLET TO FLAT AREA NO WELL-DEFINED CHANNEL



PIPE OUTLET TO WELL-DEFINED CHANNEL



NOTES:
1. Compact any fill required in the subgrade to the density of the surrounding undisturbed material. Low areas in the subgrade on undisturbed soil may also be filled by increasing the riprap thickness.
2. The riprap and gravel filter must conform to the specified grading limits shown on the plans.
3. Filter cloth, when used, must meet design requirements, and be properly protected from punching or tearing during installation. Repair any damage by removing the riprap and placing another piece over the damaged area. If the damage is extensive, replace the entire filter cloth.
4. All connecting joints should overlap so the top layer is above the downstream layer a minimum of 1 foot.
5. The minimum thickness of the riprap should be 1.5 times the maximum stone diameter but not less than 6".
6. Riprap may be field stone or rough quarry stone. It should be hard, angular highly weather-resistant and well graded.
7. Construct the apron on zero grade with no overfill at the end. Make the top of the riprap at the downstream end level with the receiving area or slightly below it.
8. Ensure that the apron is properly aligned with the receiving stream and preferably straight throughout its length. If a curve is needed, place in the upper section of the apron.

MAINTENANCE:
1. Inspect outlet structures at least weekly and after each rainfall of 1.0 inch or greater.
2. Check outlets for erosion around or below riprap and for if stones have been dislodged. Make repairs immediately to prevent further damage.

Effective Date: 9/1/2023
In accordance with the 2013 Design Manual Updates

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033961 MICHAEL S. GADDY 10.13.2026

GADDY ENGINEERING SERVICES, LLC

GADDY ENGINEERING SERVICES, LLC
508 N. BIRDNECK RD. SUITE D
VIRGINIA BEACH, VIRGINIA 23451
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

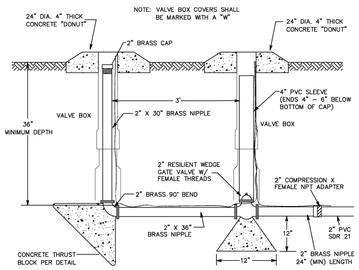
REV NO. REV. BY | REVISION DESCRIPTION | REVISION DATE

DETAILS
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

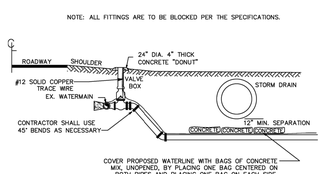
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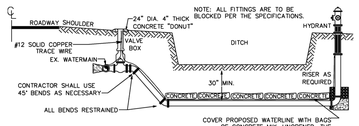
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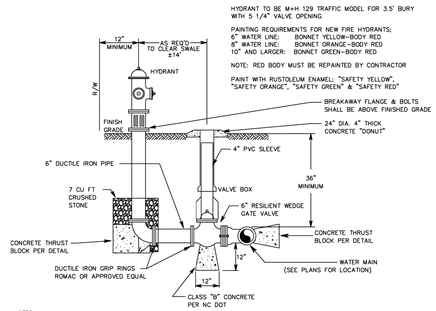
2" BLOW-OFF DETAIL
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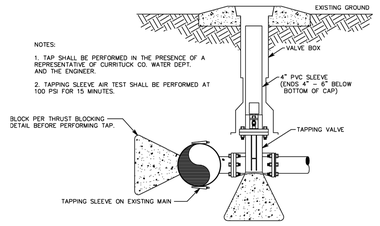
CULVERT CROSSING DETAIL
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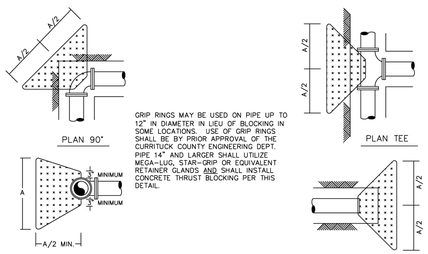
DITCH CROSSING DETAIL
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FIRE HYDRANT DETAIL
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TAPPING DETAIL
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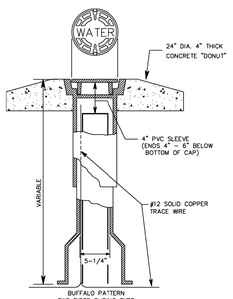


CONCRETE THRUST BLOCK SCHEDULE

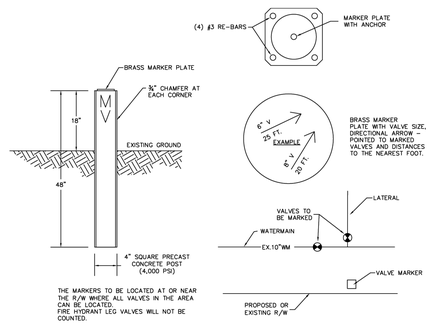
FITTING	PIPE SIZE (NOM. DIA. IN INCHES)								
	2"	4"	6"	8"	10"	12"	16"	18"	20"	24"
TEE	1.6	1.9	2.8	3.8	4.7	5.9	7.5	8.5	9.4	11.3
90° BEND	1.5	1.9	2.8	3.8	4.7	5.9	7.5	8.5	9.4	11.3
45° BEND	1.0	1.4	2.1	2.8	3.5	4.3	5.5	6.2	6.9	7.7
22 1/2° BEND	.8	1.0	1.5	2.0	2.5	3.1	4.0	4.5	4.9	5.5

TABLE "A" DIMENSIONS (IN FEET)

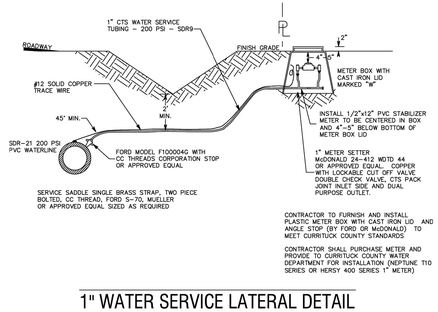
THRUST BLOCK DETAIL
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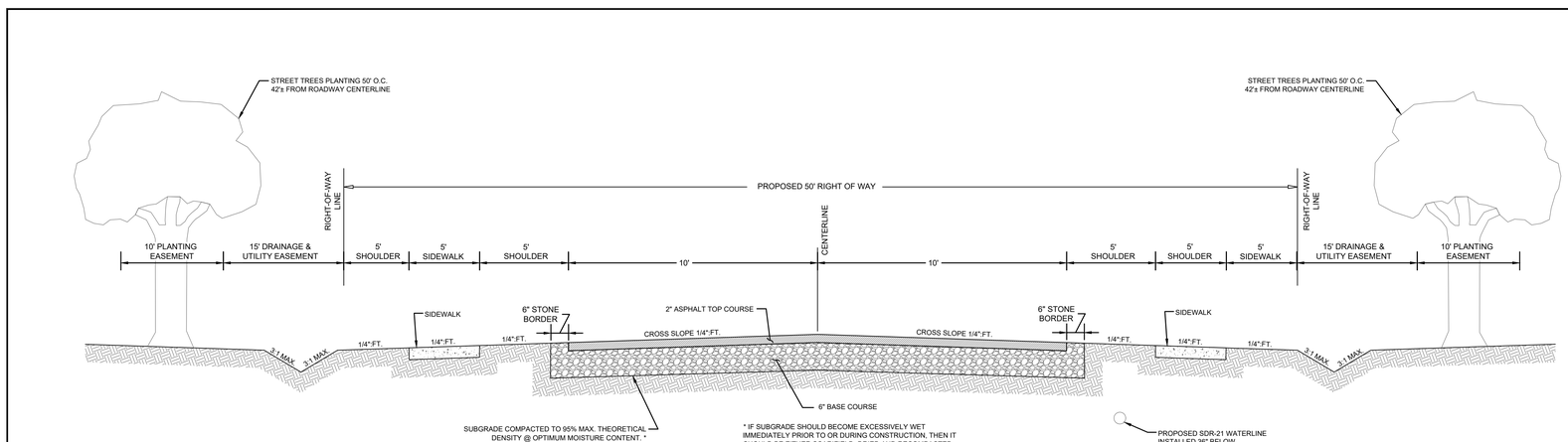
VALVE BOX
NTS



VALVE MARKER DETAIL
NTS



1" WATER SERVICE LATERAL DETAIL
NTS



TYPICAL RIGHT-OF-WAY ASPHALT PAVEMENT SECTION
NTS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033961 10.13.2026 MICHAEL S. GADDY

GADDY ENGINEERING SERVICES, LLC

GADDY ENGINEERING SERVICES, LLC
508 N. BIRDNECK RD. SUITE D
VIRGINIA BEACH, VIRGINIA 23451
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

REV NO.	REV. BY	DESCRIPTION	REVISION DATE

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C9.3

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SCALE: N/A

PART III

SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend on holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "Zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours.	1. Identification of the measures inspected 2. Date and Time of the inspection 3. Name of the person performing the inspection 4. Indication of whether the measures were operating properly 5. Description of maintenance needs for the measure 6. Description, Evidence, and date of corrective actions taken
(3) Stormwater discharge outfalls(SDOs)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours.	1. Identification of the discharge outfalls inspected 2. Date and Time of the inspection 3. Name of the person performing the inspection 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration 5. Indication of visible sediment leaving the site 6. Description, Evidence, and date corrective actions taken
(4) Perimeter of Site	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours.	If visible Sedimentation is found outside site limits, then record of the following shall be made: 1) Actions taken to clean up or stabilize sediment that has left the site limits 2) Description, Evidence and date of corrective actions taken 3) An explanation as to the actions taken to control future releases
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours.	If the stream or wetland has increased visible sedimentation or has visible increased turbidity from the construction activity, then a record of the following shall be made: 1) Description, Evidence and date of corrective actions taken 2)Records of required reports to the appropriate Division Regional Office per Part III, Section C, Item(2)(a) of this permit
(6) Ground Stabilization Measures	After each phase of grading.	1. The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover). 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or assurance that they will be provided as soon as possible.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

PART III

SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. E&SC Plan Documentation

The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be kept on site and available for inspection at all times during normal business hours.

Item to Document	Document Requirements
(a) Each E&SC measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC plan.	Initial and date each E&SC measure on a copy of the approved E&SC plan or complete, date and sign an inspection report that lists each E&SC measure shown on the approved E&SC plan. This documentation is required upon the initial installation of the E&SC measures or if the E&SC measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&SC plan.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&SC measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&SC measures.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

2. Additional Documentation to be Kept on Site

In addition to the E&SC plan documents above, the following items shall be kept on the site and available for inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

(a) This General Permit as well as the Certificate of Coverage, after it is received.

(b) Records of inspections made during the previous twelve months. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.

3. Documentation to be Retained for Three Years*

*All data used to complete the e-NOI and all inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

PART III

SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING

1. Occurrences that Must be Reported

Permittees shall report the following occurrences:

(a) Visible sediment deposition in a stream or wetland.

(b) Oil spills if:

- They are 25 gallons or more,
- They are less than 25 gallons but cannot be cleaned up within 24 hours,
- They cause sheen on surface waters (regardless of volume), or
- They are within 100 feet of surface waters (regardless of volume).

(c) Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.

(d) Anticipated bypasses and unanticipated bypasses.

(e) Noncompliance with the conditions of this permit that may endanger health or the environment.

2. Reporting Timeframes and Other Requirements

After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Department's Environmental Emergency Center personnel at (800) 858-0368.

Occurrence	Reporting Timeframe (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	• Within 24 hours, an oral or electronic notification. • Within 7 Calendar Days, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis. • If the stream is named on the NC 303(d) list as impaired for sediment-related caused, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions.
(b) Oil spills and release of hazardous substances per item 1(b)-(c) above	• Within 24 Hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	• *A report at least ten days before the date of the bypass, if possible.* The report shall include an evaluation of the anticipated quality and effect of the bypass.
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	• Within 24 Hours, an oral or electronic notification • Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(l)(7)]	• Within 24 Hours, an oral or electronic notification • Within 7 calendar days, a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate and prevent reoccurrence of the noncompliance. [40 CFR 122.41(l)(6). • Division staff may waive the requirement for a written report on a case-by-case basis.

PART II, SECTION G, ITEM (4)

DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible. The circumstances in which it is not feasible to withdraw water from the surface shall be rare (for example, times with extended cold weather). Non-surface withdrawals from sediment basins shall be allowed only when all of the following criteria have been met:

(a) The E&SC plan authority has been provided with documentation of the non-surface withdrawal and the specific time periods or conditions in which it will occur. The non-surface withdrawal shall not commence until the E&SC plan authority has approved these items,

(b) The non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, Item (2)(c) and (d) of this permit,

(c) Dewatering discharges are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of appropriate controls include properly sited, designed and maintained dewatering tanks, weir tanks, and filtration systems,

(d) Vegetated, upland areas of the sites or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in Item (c) above,

(e) Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and

(f) Sediment removed from the dewatering treatment devices described in Item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States.

NORTH CAROLINA Department of Environmental Quality

INSPECTION, RECORD KEEPING AND REPORTING

Effective: April 1, 2024

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033961 10.13.2026 MICHAEL S. GADDY

GADDY ENGINEERING SERVICES, LLC

GADDY ENGINEERING SERVICES, LLC
508 N. BIRDNECK RD. SUITE D
VIRGINIA BEACH, VIRGINIA 23451
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

REVISION | DESCRIPTION | DATE

REV NO. REV BY

NCG01 INSPECTION, RECORD KEEPING & REPORTING
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C9.4

SCALE: N/A

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10 feet or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
• Temporary grass seed covered with straw or other mulches and tackifiers. • Hydroseeding • Rolled erosion control products with or without temporary grass seed • Appropriately applied straw or other mulch • Plastic sheeting	• Permanent grass seed covered with straw or other mulches and tackifiers • Geotextile fabrics such as permanent soil reinforcement matting (PRSM) • Hydroseeding • Shrubs or other permanent plantings covered with mulch • Uniform and evenly distributed ground cover sufficient to restrain erosion • Structural methods such as concrete, asphalt or retaining walls • Rolled erosion control products with grass seed

Note: The use of techniques listed above which promote and assist in establishment of vegetation does not consitute permanet stabilization prior to the establishment of permanent vegetation.

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

1. Select flocculants that are appropriate for the soils being exposed during construction, selecting from the NC DWR List of Approved PAMS/Flocculants
2. Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
3. Apply flocculants at the concentrations specified in the NC DWR List of Approved PAMS/Flocculants and in accordance with the manufacturer's instructions.
4. Provide ponding area for containment of treated Stormwater before discharging offsite.
5. Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

1. Maintain vehicles and equipment to prevent discharge of fluids.
2. Provide drip pans under any stored equipment.
3. Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
4. Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
5. Remove leaking vehicles and construction equipment from service until the problem has been corrected.
6. Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

1. Never bury or burn waste. Place litter and debris in approved waste containers.
2. Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
3. Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
4. Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
5. Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
6. Anchor all lightweight items in waste containers during times of high winds.
7. Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
8. Dispose waste off-site at an approved disposal facility.
9. On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

1. Do not dump paint and other liquid waste into storm drains, streams or wetlands.
2. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
3. Contain liquid wastes in a controlled area.
4. Containment must be labeled, sized and placed appropriately for the needs of site.
5. Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS

1. Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
2. Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
3. Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

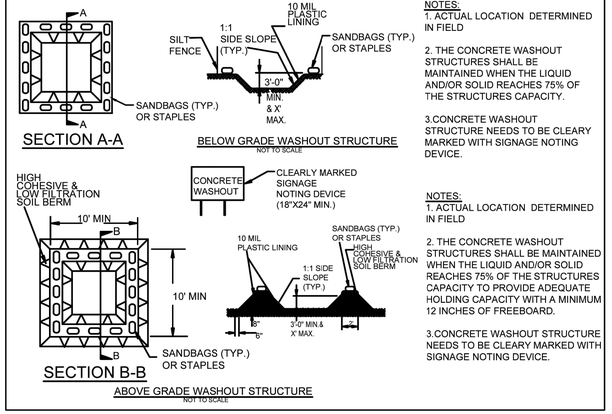
EARTHEN STOCKPILE MANAGEMENT

1. Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets and surface waters unless it can be shown no other alternatives are reasonably available. It is recommended to locate stockpile areas at least 50 feet away from skimmer basins and anywhere stormwater flow is concentrated.
2. Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
3. Provide stable stone access point when feasible.
4. Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.

HAZARDOUS AND TOXIC WASTE

1. Create designated hazardous waste collection areas on-site.
2. Place hazardous waste containers under cover or in secondary containment.
3. Do not store hazardous chemicals, drums or bagged materials directly on the ground.

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD

2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY.

3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARY MARKED WITH SIGNAGE NOTING DEVICE.

NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD

2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.

3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARY MARKED WITH SIGNAGE NOTING DEVICE.

CONCRETE WASHOUTS

1. Do not discharge concrete or cement slurry from the site.
2. Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
3. Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
4. Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
5. Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
6. Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
7. Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
8. Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
9. Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
10. At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES

1. Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
2. Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
3. Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
4. Do not stockpile these materials onsite.

NORTH CAROLINA DEQ
Department of Environmental Quality

GROUND COVER & MATERIALS HANDLING

Effective:
April 1, 2024

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 033961 10.13.2026 MICHAEL S. GADDY

GADDY ENGINEERING SERVICES, LLC

GADDY ENGINEERING SERVICES, LLC
508 N. BIRDNECK RD. SUITE D
VIRGINIA BEACH, VIRGINIA 23451
CONTACT:
MICHAEL S. GADDY, PE, LS
757-289-5933

REVISION | DESCRIPTION | DATE

NCG01 GROUND STABILIZATION & MATERIALS HANDLING
FOR
CURRITUCK WAY SUBDIVISION
POPLAR BRANCH TOWNSHIP, CURRITUCK COUNTY, NORTH CAROLINA

C9.5

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SCALE: N/A