

CONSTRUCTION PLANS

FOR

SEAFORTH PLACE

CHATHAM COUNTY, NORTH CAROLINA

JULY 27, 2020

SITE DATA:

ZONED:	R-1 & R-5
AKPAR:	91403
PIN:	9771-00-82-4556
WATERSHED:	WS-IV-NSW (P&C)
TOTAL AREA:	64.10 Ac.
AREA IN ROW (SEAFORTH RD):	0.617 Ac.
AREA IN NEW PUBLIC ROW:	2.618 Ac.
TOTAL PARCEL AREA:	61.936 Ac.
TOTAL LOTS:	± 17 LOTS
LOT AREA IN R-5:	± 42.19 Ac.
R-5 LOTS:	8 LOTS
R-5 AVERAGE LOT SIZE:	± 5.27 Ac.
LOT AREA IN R-1:	± 19.26 Ac.
R-1 LOTS:	9 LOTS
R-1 AVERAGE LOT SIZE:	± 2.14 Ac.
FRONT LOT SETBACK:	40'
SIDE AND REAR LOT SETBACK:	25'
LENGTH OF ROADS:	± 1,829 LF

NO.	REVISIONS	DATE
E	REVISIONS PER NCDOT HYDRAULICS COMMENTS	08/18/2020
D	REVISIONS PER NCDOT COMMENTS	08/14/2020
C	REVISIONS PER NCDOT COMMENTS	07/27/2020
B	REVISIONS PER NCDOT COMMENTS	07/15/2020
A	REVISIONS PER EC & STORMWATER COMMENTS	07/07/2020



CE GROUP

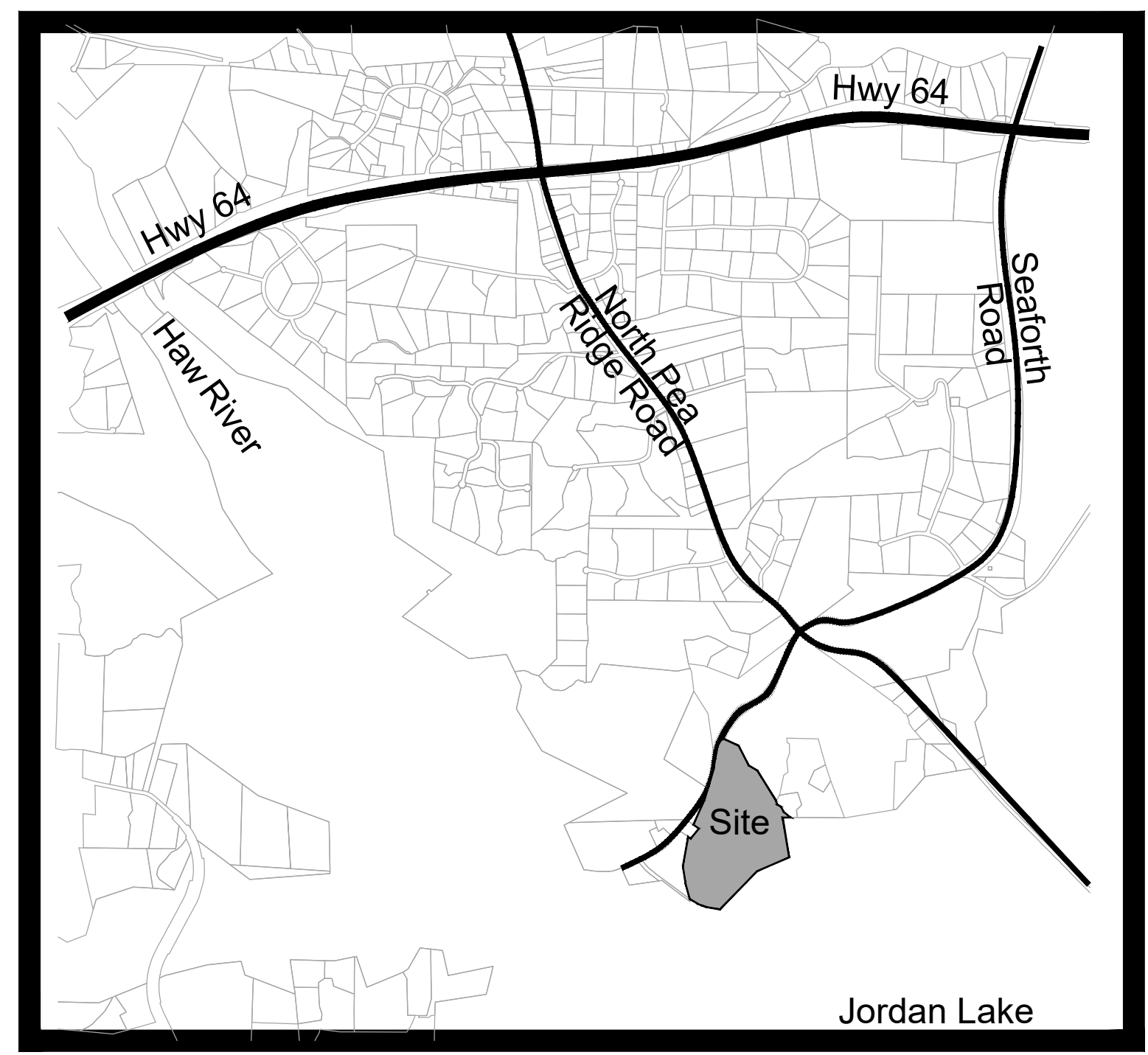
301 GLENWOOD AVE. 220
RALEIGH, NC 27603
PHONE: 919-367-8790
FAX: 919-322-0032

www.cegroupinc.com

License # C-1739

GENERAL CONSTRUCTION NOTES

- EXISTING UNDERGROUND STRUCTURES AND UTILITIES SHOWN ARE BASED ON FIELD SURVEYS AND BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY CONDITIONS, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES, PRIOR TO STARTING CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL CONTACT NORTH CAROLINA ONE CALL AT 1-800-632-4949. THE CONTRACTOR SHALL CALL AT LEAST 48 HOURS PRIOR TO ANY DIGGING.
- THE SUBJECT PROPERTY IS LOCATED IN ZONE X, A MINIMAL FLOOD RISK AREA PER FEMA FIRM PANEL 0603, MAP NUMBER 372006000K, DATED 02/02/07 AND PANEL 9099, MAP NUMBER 371099000K, DATED 11/11/17.
- IN-STREAM WORK SHALL BE PROHIBITED FROM MARCH 15 THROUGH JUNE 30 TO MINIMIZE IMPACTS TO SPAWNING FISH.
- TOPOGRAPHIC INFORMATION PROVIDED BY CE GROUP, INC. RALEIGH, NC. PROFILE DATA FROM FIELD SURVEY, AND BACKGROUND TOPOGRAPHY FROM AERIAL MAPPING.
- DISTURBANCE IS LIMITED TO NO MORE THAN 15 AC OF GRADUAL SLOPED LAND AT ANY ONE TIME (0 - 14.9% SLOPE).
- DISTURBANCE IS LIMITED TO NO MORE THAN 10 AC OF MODERATELY SLOPED LAND AT ANY ONE TIME (15 - 24.9% SLOPE).
- NCDOT ASSUMES NO RESPONSIBILITY FOR OPERATION, MAINTENANCE OR LIABILITY OF THE STRUCTURAL STORMWATER BMP'S OR ANY DRAINAGE OUTSIDE OF THE RIGHTS-OF-WAY.
- ALL GRATED INLETS IN DITCHES ARE TO BE NCDOT STD 840.22 OR 840.20 WIDE SLOT GRATES. JBAC5 TO BE A NCDOT STD 840.17 OR 840.26 TYPE A ZSI NARROW SLOT INLET.
- ALL PROPOSED UTILITIES INSIDE THE PROPOSED SUBDIVISION ROAD RIGHT OF WAY SHALL BE INSTALLED PER THE LATEST NCDOT POLICIES AND PROCEDURES FOR ACCOMMODATING UTILITIES ON HIGHWAY RIGHTS OF WAY AND ANY LATER NCDOT PUBLISHED GUIDELINES. NO UTILITY SHOULD BE INSTALLED IN THE SHOULDER, INSIDE THE PAVEMENT, OR INSIDE THE DITCHLINE. MAINTAIN CLEAR ZONE MINIMUM OFFSETS FOR NON-BREAKWAY UTILITY POLES.
- GUARDRAIL INSTALLATION SHALL BE IN ACCORDANCE WITH SECTION 802 OF NCDOT CURRENT ROADWAY STANDARD DRAWINGS. CONTRACTOR TO CONSULT WITH NCDOT PRIOR TO OBTAINING GUARDRAIL TO VERIFY LENGTHS FOR INSTALLATION. IF GUARDRAIL IS REQUIRED, EVERY EFFORT SHALL BE MADE TO AVOID THE NEED FOR GUARDRAIL IN CONSTRUCTION OF SHOULDERS AND GRADES.
- ABC SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 520 OF THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.



VICINITY MAP
NTS

INDEX TO DRAWINGS

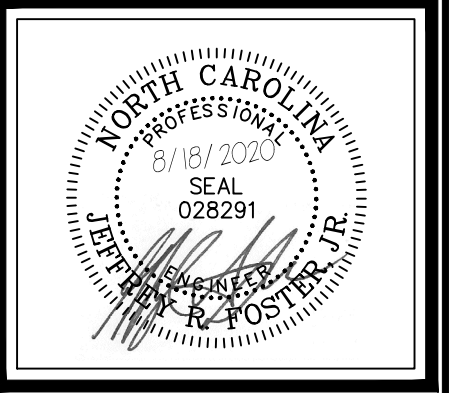
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Project Data:
Zoned: R-1 & R-5
AKPAR: 91403
PIN: 9771-00-82-4556
Watershed Classification: WS-IV NSW (P&C)
Total Parcel Acreage ± 64.10 Ac.
Length of Streets: ± 1,829 LF

Owner/Developer:
Swain Land & Timber, LLC
117 Edinburg Dr., Suite 101
Cary, NC 27511
Contact: Hadley Kirkland
Phone: 919.417.2990
Email: hadley@swainco.com

Civil Engineer / Surveyor:
CE Group, Inc
301 Glenwood Avenue, Suite 220
Raleigh, NC 27603
Phone: 919.367.8790
Contact: Jeff Foster, PE
Email: jeff@cegroupinc.com

Environmental Engineer:
Soil & Environmental Consultants, PA
8412 Falls Of Neuse Road, Suite 104
Raleigh, NC 27615
Phone: 919.846.5900
Contact: Steven Ball
Email: sball@sandec.com



CONSTRUCTION PLANS FOR SEAFORTH PLACE

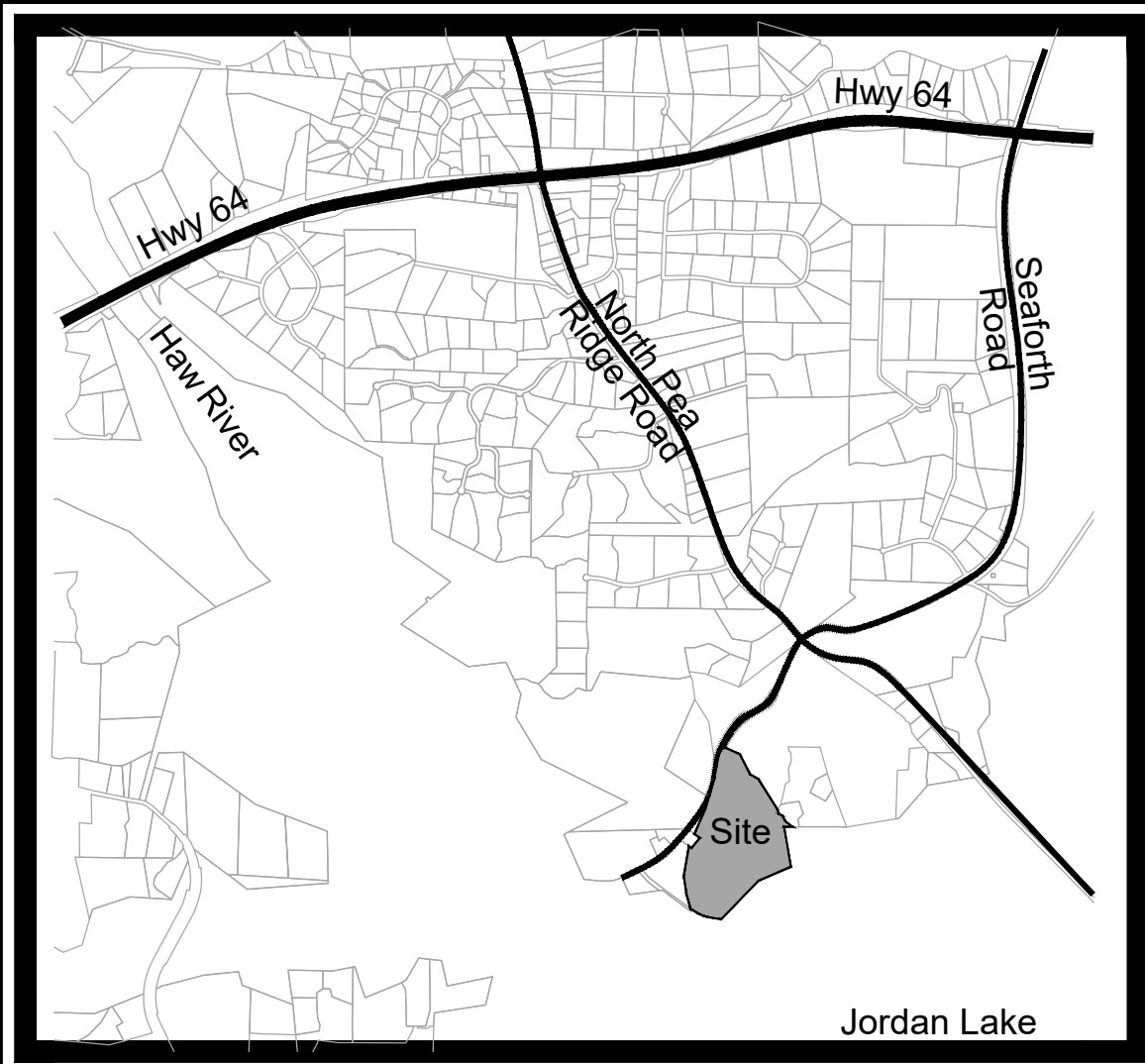
COVER CHATHAM COUNTY, NC

Date:	JULY 27, 2020
Scale:	N/A
Drawn:	JWA
Checked:	JRF
Project No.:	124-02
Computer Dig. Name:	124-02_01-c-01_cover

Sheet No:
C-01
Of



FINAL DESIGN
FOR CONSTRUCTION



VICINITY MAP
NTS



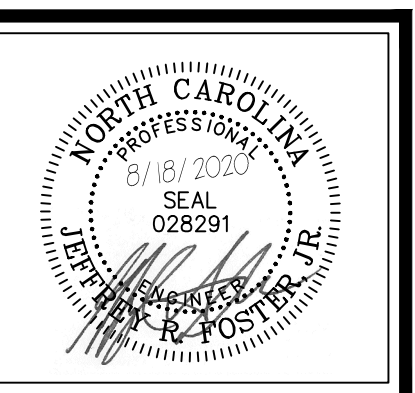
Benchmark:
 IPF & Aluminum Disk
 USACE Monument # 157-10-01
 N: 711,259.68'
 E: 1,977,619.62'
 Elev: 267.02'
 Horizontal Datum NAD/83 (2011)
 Vertical Datum: NAVD/88 (Geoid 12B)

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D	REVISIONS PER NCDOT COMMENTS	08/14/2020
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B	REVISIONS PER NCDOT COMMENTS	07/15/2020
A	REVISIONS PER EC'S STORMWATER COMMENTS	07/07/2020

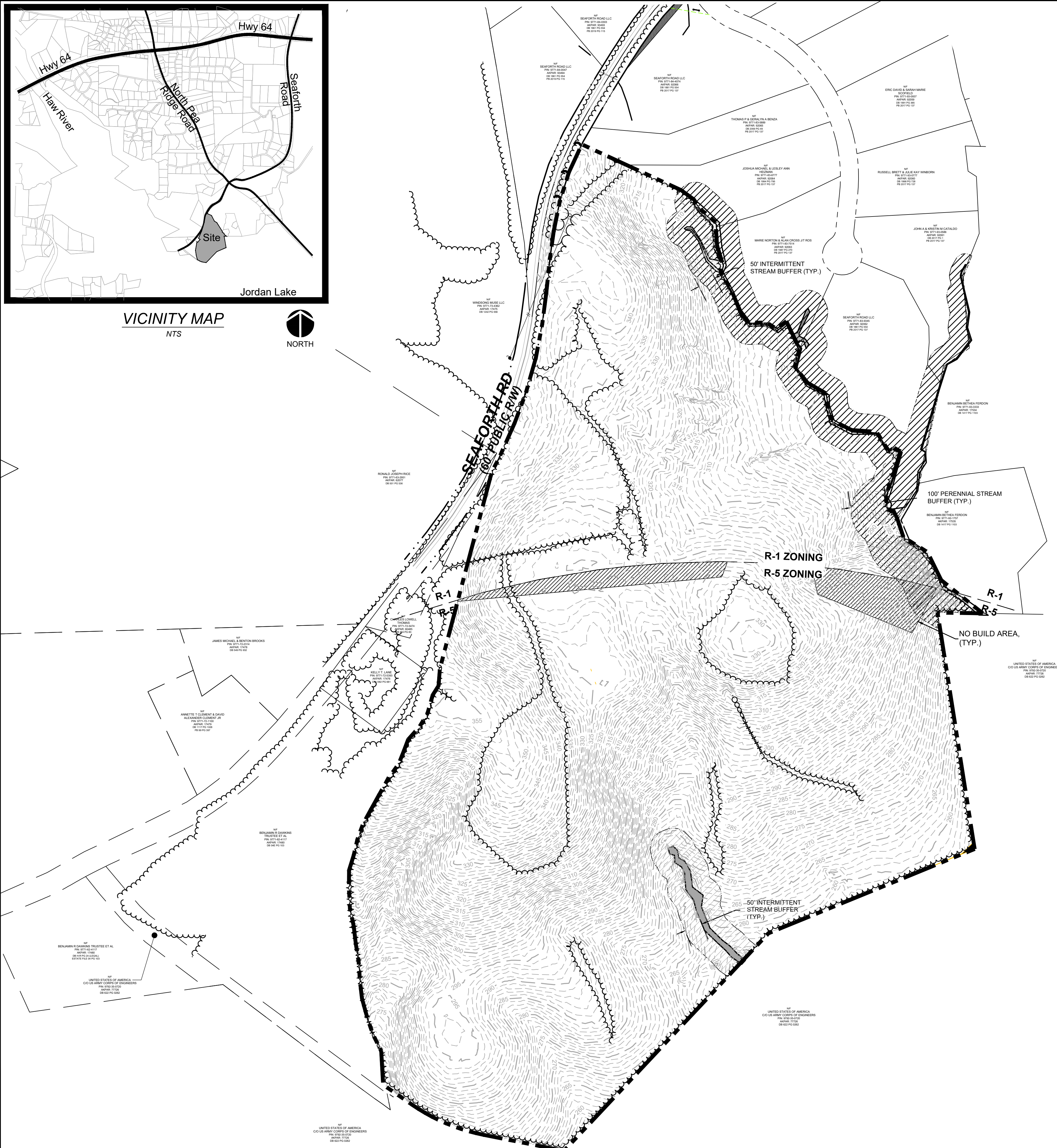
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CONSTRUCTION PLANS FOR
 SEAFORTH PLACE
 EX COND & DEMO PLAN
 CHATHAM COUNTY, NC

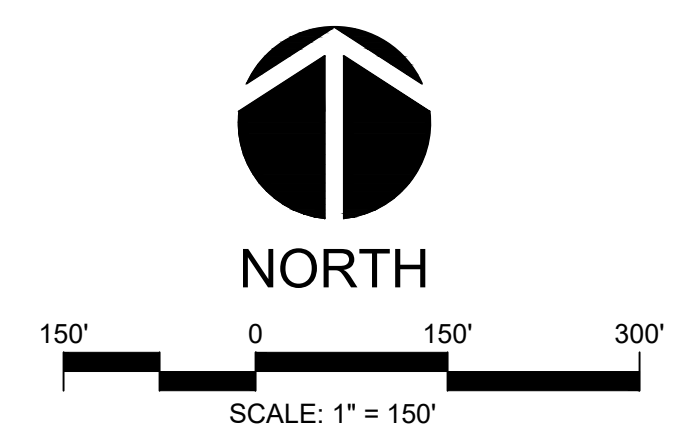
Date: JULY 27, 2020
 Scale: 1" = 150'
 Drawn: JWA
 Checked: JRF
 Project No. 124-02
 Computer Dwg. Name 124-02-ex-01_ex cond and demo plan

Sheet No:
EX-01
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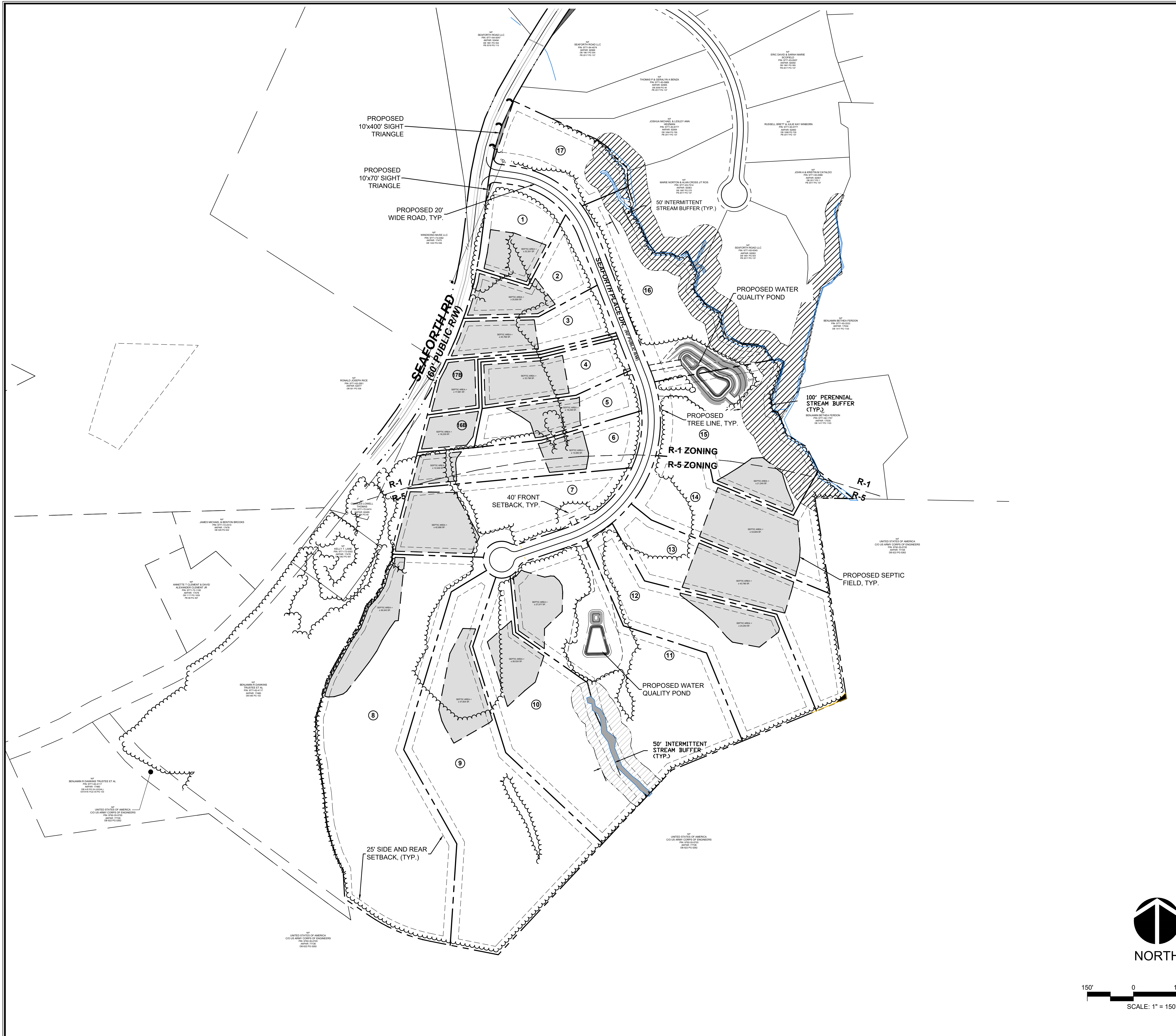


LEGEND

	FIREHYDRANT (FH)
	STREET SIGN
	POWER POLE
	RCP-REINFORCED CONCRETE PIPE
	R/W = RIGHT-OF-WAY
	TYP = TYPICAL
	LF = LINEAR FEET
	INV = INVERT
	OHE = OVERHEAD ELECTRIC
	FES = FLARED END SECTION
	TREELINE
	EXISTING 1' CONTOURS
	EXISTING 5' CONTOURS
	PROPERTY BOUNDARY



FINAL DESIGN
 FOR CONSTRUCTION



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D	REVISIONS PER NCDOT COMMENTS	08/14/2020
C	REVISIONS PER NCDOT COMMENTS	07/27/2020
B	REVISIONS PER NCDOT COMMENTS	07/15/2020
A	REVISIONS PER EC & STORMWATER COMMENTS	07/07/2020

SITE DATA:

ZONED: R-1 & R-5
 AKPAR: 91403
 PIN: 9771-00-82-4556
 WATERSHED: WS-IV-NSW (P&C)
 TOTAL AREA: 64.10 Ac.
 AREA IN ROW (SEAFORTH RD): 0.617 Ac.
 AREA IN NEW PUBLIC ROW: 2.618 Ac.
 TOTAL PARCEL AREA: 61.936 Ac.

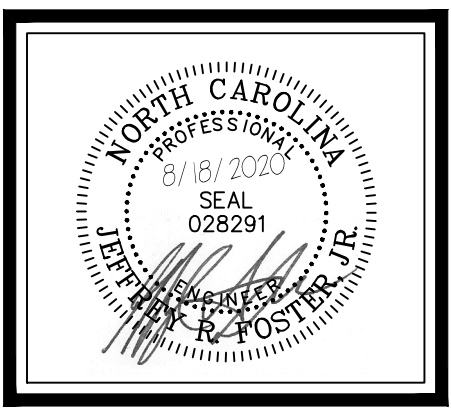
TOTAL LOTS: ± 17 LOTS

LOT AREA IN R-5: ± 42.19 Ac.
 R-5 LOTS: 8 LOTS
 R-5 AVERAGE LOT SIZE: ± 5.27 Ac.
 LOT AREA IN R-1: ± 19.26 Ac.
 R-1 LOTS: 9 LOTS
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FRONT LOT SETBACK: 40'
 SIDE AND REAR LOT SETBACK: 25'
 LENGTH OF ROADS: ± 1,829 LF

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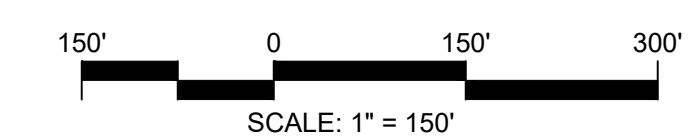
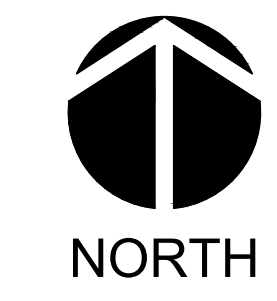


CONSTRUCTION PLANS FOR
 SEAFORTH PLACE

OVERALL SITE PLAN
 CHATHAM COUNTY, NC

Date:	JULY 27, 2020
Scale:	1" = 150'
Drawn:	JWA
Checked:	JRF
Project No:	124-02
Computer Dwg. Name:	124-02_03-os-01_overall site plan

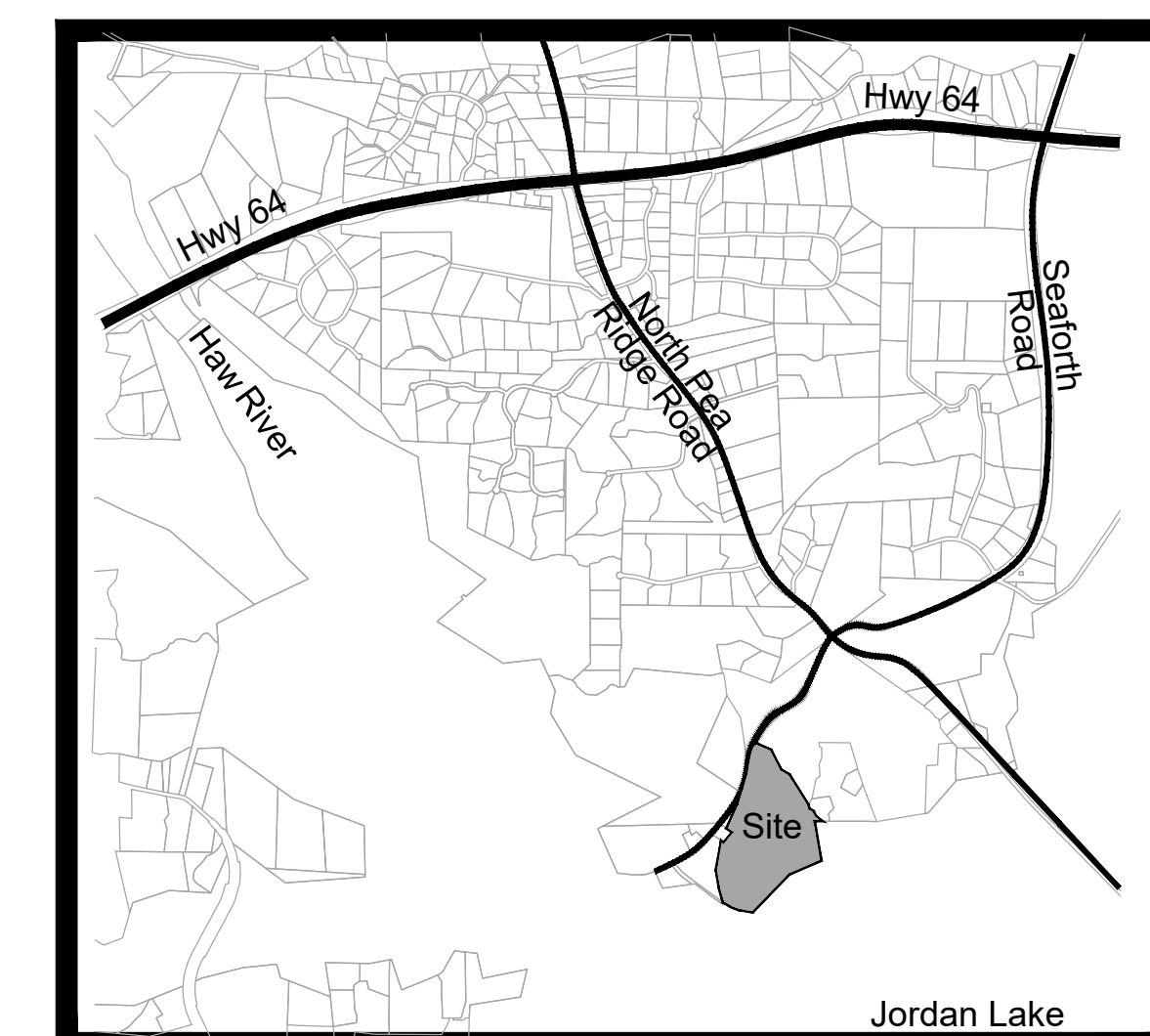
Sheet No:
OS-01
 Of -



FINAL DESIGN
 FOR CONSTRUCTION

SHEET EC-01
& EC-03

SHEET EC-02
& EC-04



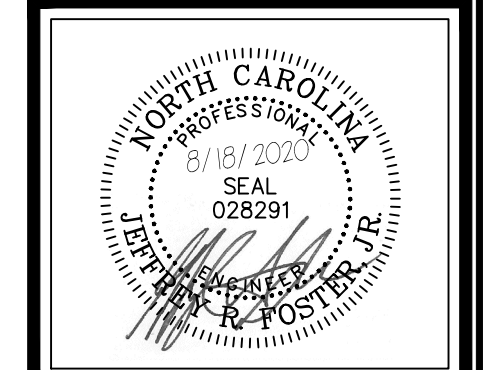
VICINITY MAP
NTS



DISTURBED AREA
TOTAL = 8.0 AC.

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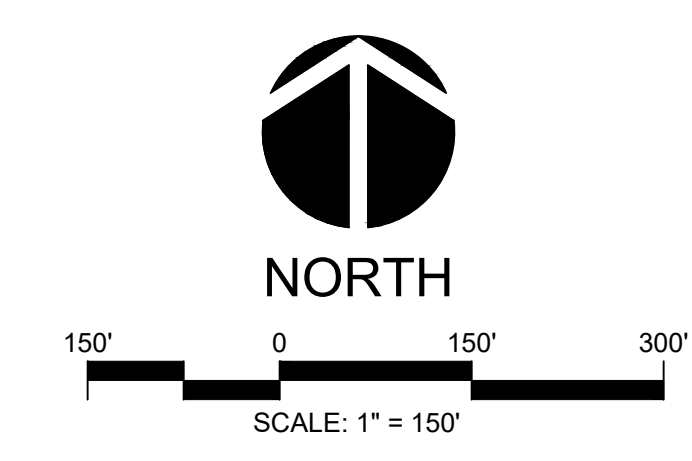
CONSTRUCTION PLANS FOR
SEAFORTH PLACE
OVERALL EROSION CONTROL KEY
CHATHAM COUNTY, NC

GENERAL CONSTRUCTION NOTES

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Date:	JULY 27, 2020
Scale:	1" = 150'
Drawn:	JWA
Checked:	JRF
Project No.:	124-02
Computer Dwg. Name:	124-02_04-ec-01_general erosion control key

Sheet No:
OE-01
Of _



FINAL DESIGN
FOR CONSTRUCTION

- CONSTRUCTION SEQUENCE**
- OBTAIN GRADING PERMIT / FINAL APPROVAL FROM CHATHAM COUNTY WATERSHED PROTECTION.
 - CONTACT THE CHATHAM COUNTY EROSION CONTROL SECTION AT 919-545-8343 TO SET UP A PRE-CONSTRUCTION MEETING PRIOR TO ANY LAND DISTURBANCE WORK PERFORMED.
 - THERE ARE TWO STAGES INDICATED IN ONE PHASE OF DISTURBANCE AND EACH STAGE OF THIS PHASE MUST BE STABILIZED AND APPROVED BY CHATHAM COUNTY WATERSHED PROTECTION PRIOR TO BEGINNING WORK ON THE NEXT STAGE.
 - INSTALL IN ORDER OF THIS SEQUENCE: DELINEATE THE PROPOSED TREELINE/DISTURBED LIMIT LINE AND INSTALL THE TEMPORARY CONSTRUCTION ENTRANCE ALONG WITH ALL PROPOSED SILT FENCING THROUGHOUT THE ENTIRE PROJECT AREA.
 - FOR STAGE 1, CONTRACTOR SHALL FIRST INSTALL THE CLEAN WATER SWALES AND PIPES/STRUCTURE SYSTEMS AS INDICATED ON THE PLANS. CONTRACTOR SHALL INSTALL ONLY WHEN FORECAST REFLECTS 3-4 DAY OF DRY WEATHER. CONSTRUCT SWALE STARTING FROM DOWNSTREAM END AND STABILIZE WORK WITH RIP RAP AT THE END OF EACH DAY. ONCE CLEAN WATER SWALES ARE INSTALLED AND STABILIZED, CONTRACTOR TO INSTALL THE HORSESHOE INLET PROTECTION ON PIPE SYSTEMS INSTALLED AS PART OF THE CLEAN WATER BYPASS, WHERE INDICATED, AS WELL AS TEMPORARY SKIMMER BASINS PORTIONS OF THE PERMANENT STORMWATER PONDS. CLEAR ONLY AS NECESSARY TO ACCESS THESE AREAS AND TO CONSTRUCT THESE DEVICES. ONCE THE PREVIOUS MEASURES ARE INSTALLED, CLEAR ONLY AS REQUIRED TO INSTALL TEMPORARY DIVERSION BERMS/DITCHES TO THE SKIMMER BASINS AND OTHER TEMPORARY MEASURES AS SHOWN ON THE APPROVED PLAN. THE CONTRACTOR SHALL STABILIZE ALL DIVERSIONS AND SKIMMER BASINS IMMEDIATELY UPON THEIR CONSTRUCTION. CONTRACTOR TO INSTALL DITCH/SWALE LINER REQUIREMENTS AT THE TIME OF DITCH/SWALE INSTALLATION.
 - ALL MEASURES AND DISTURBED AREAS SHALL BE INSTALLED AND INSPECTED FOR COMPLIANCE PRIOR TO COMMENCEMENT OF ANY PROPOSED CLEARING/GRUBBING AND EXCAVATION IN THE RIGHT-OF-WAY OR REMAINDER OF THE SITE.
 - CALL FOR AN INSPECTION FOR COMPLIANCE PRIOR TO ANY ADDITIONAL CLEARING. OBTAIN CERTIFICATE OF COMPLIANCE THROUGH ON-SITE INSPECTION BY ENVIRONMENTAL INSPECTOR.
 - ONCE CERTIFICATE OF COMPLIANCE IS OBTAINED, BEGIN CLEARING AND GRUBBING WHERE INDICATED.
 - ONCE COMPLETE, ALONG WITH CLEARING AND GRUBBING OF DISTURBED AREAS AS SHOWN ON APPROVED PLAN, BEGIN EXCAVATION OF ROADWAYS AND INSTALLATION OF SUBSURFACE DRAINAGE AND UTILITIES. INSTALL ADDITIONAL INLET PROTECTION DEVICES AS REQUIRED AND/OR SHOWN. ONCE SUBSURFACE DRAINAGE IS INSTALLED AND OPERATIONAL, AND APPROVAL HAS BEEN OBTAINED FROM CHATHAM COUNTY, TEMPORARY SKIMMER BASIN ACCESSORIES CAN BE REMOVED AND THE SLOPES STABILIZED. SEED AND MULCH ALL DENuded AREAS WITHIN 15 WORKING DAYS OF COMPLETION OF ANY PHASE OF CONSTRUCTION. ADJUST / MAINTAIN POSITIVE GRADE ON ALL TEMPORARY DITCHES/SWALES TO APPROPRIATE TREATMENT DEVICES AS REQUIRED.
 - REQUEST FINAL APPROVAL BY ENVIRONMENTAL INSPECTOR. IF THE INSPECTOR IS SATISFIED WITH UPSTREAM PERMANENT GROUND COVER, BEGIN REMOVING TEMPORARY EROSION CONTROL MEASURES. TEMPORARY BASINS TO BE DEWATERED WITH SILT BAGS, REMOVE THE SEDIMENT TRAPS AND ALL UNSTABLE SEDIMENT. AFTER STABILIZATION HAS OCCURRED, REMOVE SEDIMENT FROM SKIMMER BASINS AND CONVERT TO PERMANENT STRUCTURES.

*CONTRACTOR TO REESTABLISH TEMPORARY DIVERSION SWALES AT THE END OF EACH DAY TO ENSURE DRAINAGE TO THE APPROPRIATE STRUCTURE.

COIR WATTLE (TYP.)

TREE TRIM AREA FOR SIGHT TRIANGLE

FES # A0 INV. OUT: 336.00 D50: 4" DMAX: 6" RIP-RAP CL: A APRON THICK: 9" APRON LENGTH: 6" APRON WIDTH: 4.5' FILTER FABRIC LINER

25' x 70' TEMPORARY CONSTRUCTION ENTRANCE

99 LF 18" CL. IV RCP

FES # A1 INV = 339.40

TEMPORARY TREE PROTECTION FENCE, (TYP.)

NIF WINDSONG MUSE LLC PIN: 9771-73-4362 AKPAR: 17475 DB 1242 PG 556

SEPTIC AREA = ± 22,351 SF.

SEPTIC AREA = ± 25,600 SF.

SEPTIC AREA = ± 25,768 SF.

SEPTIC AREA = ± 25,798 SF.

SEPTIC AREA = ± 18,248 SF.

SEPTIC AREA = ± 18,229 SF.

SEPTIC AREA = ± 15,590 SF.

SEPTIC AREA = ± 12,549 SF.

RIP-RAP DISSIPATER D50: 8" DMAX: 12" RIP-RAP CL: B APRON THICK: 22.5" APRON LENGTH: 15'

TEMPORARY INLET FES # C7B INV IN = 314.00 PROVIDE CLASS A RIP-RAP SCOUR PROTECTION AROUND INLET

TEMPORARY SILT FENCE, (TYP.)

AKPAR: 92065 DS 2059 PG 49 PB 2017 PG 137

NIF JOSHUA MICHAEL & LESLEY ANN HEIZMAN PIN: 9771-83-6777 AKPAR: 92064 DB 1904 PG 795 PB 2017 PG 137

NIF MARIE NORTON & ALAN CROSS JIT ROS PIN: 9771-83-7514 AKPAR: 92063 DB 1987 PG 270 PB 2017 PG 137

LIMITS OF DISTURBANCE, (TYP.) 10' x 10' TEMPORARY CONCRETE WASHOUT PIT

FES # B0 INVERT OUT: 298.00 D50: 4" DMAX: 6" RIP-RAP CL: A APRON THICKNESS: 9" APRON LENGTH: 8" APRON WIDTH: 6" FILTER FABRIC LINER

FES # B1 INV = 302.50

FES # P1 INVERT OUT: 291.00 D50: 8" DMAX: 12" RIP-RAP CL: B APRON THICKNESS: 22.5" APRON LENGTH: 9" APRON WIDTH: 4.5' FILTER FABRIC LINER

TEMPORARY SKIMMER BASIN TSB-1 DRAINAGE AREA = 9.58 AC DISTURBED AREA = 2.21 AC MIN. SURFACE AREA REQUIRED = 17,253 SF SURFACE AREA PROVIDED = 17,852 SF STORAGE REQUIRED = 7,960 CF STORAGE PROVIDED = 37,310 CF 202' x 88' AVG. TOP DIMENSION 198' x 84' AVG. BOTTOM DIMENSION, ELEV. = 297.00 DEPTH = 2' 4" DIA. SKIMMER, 2.5 DAY ORIFICE w/1.7" DIA.

RIP-RAP DISSIPATER D50: 8" DMAX: 12" RIP-RAP CL: B APRON THICK: 22.5" APRON LENGTH: 15' APRON WIDTH: 7.5' ± 21,245 SF.

GROUND STABILIZATION *

SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
Perimeter dikes, swales, ditches and slopes	7 days	None
High Quality Water (HQW) Zones	7 days	None
Slopes steeper than 3:1	7 days	If slopes are 10' or less in length and are not steeper than 2:1, 14 days allowed
Slopes 3:1 or flatter	14 days	7-days for slopes greater than 50-feet in length
All other areas with slopes flatter than 4:1	14 days	None (except for perimeters and HQW Zones)

* Extensions of time may be approved by the permitting authority based on weather or other site-specific conditions that make compliance impracticable. (Section 11.B (2)(b))

NCDCEN SELF-INSPECTION PROGRAM

THE SEDIMENTATION POLLUTION CONTROL ACT WAS AMENDED IN 2006 TO REQUIRE THAT PERSONS RESPONSIBLE FOR LAND-DISTURBING ACTIVITIES INSPECT A PROJECT AFTER EACH PHASE OF THE PROJECT TO MAKE SURE THAT THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS BEING FOLLOWED.

RULES DETAILING THE DOCUMENTATION OF THESE INSPECTIONS TAKE EFFECT OCTOBER 1, 2010.

THE SELF-INSPECTION PROGRAM IS SEPARATE FROM THE WEEKLY SELF-MONITORING PROGRAM OF THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES. THE FOCUS OF THE SELF-INSPECTION REPORT IS THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES ACCORDING TO THE APPROVED PLAN. THE INSPECTIONS SHOULD BE CONDUCTED AFTER EACH PHASE OF THE PROJECT, AND CONTINUED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

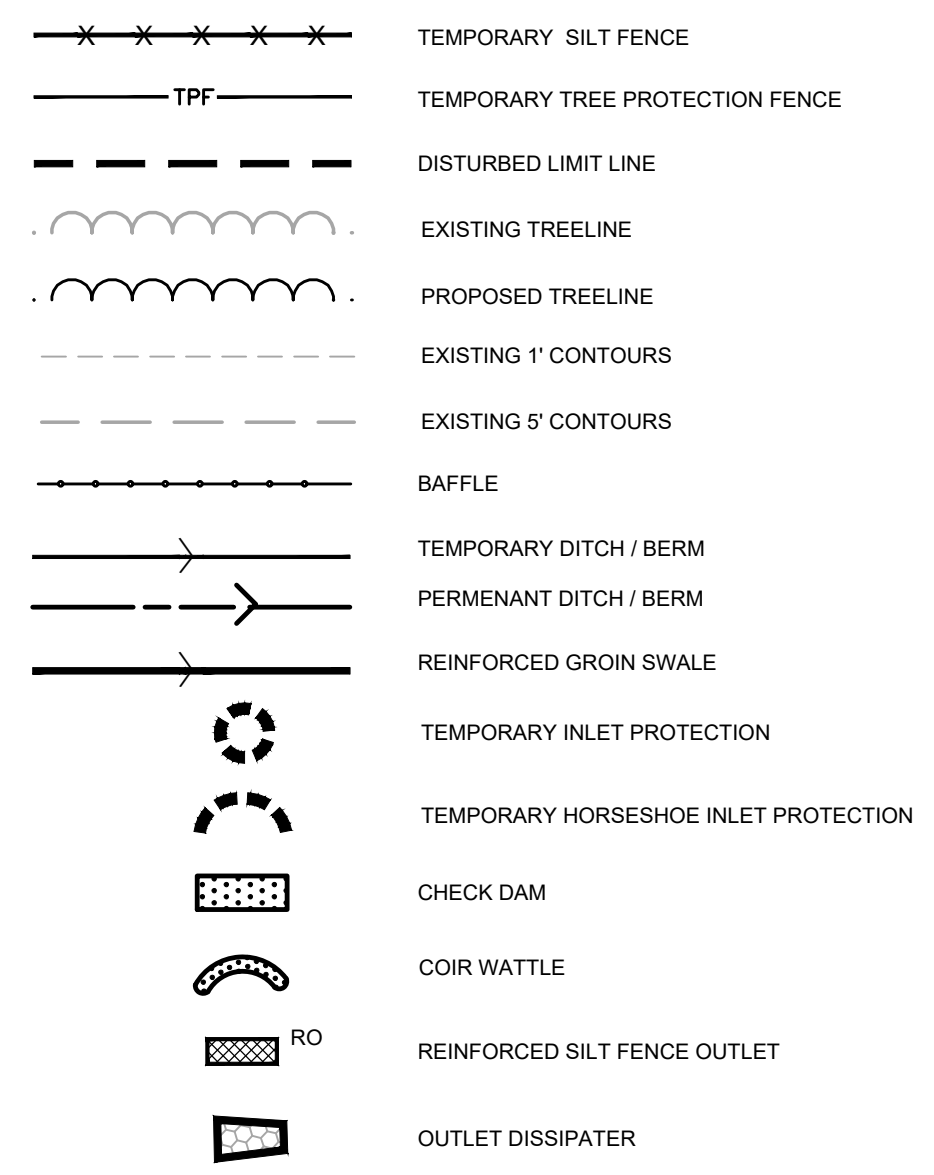
THE SELF-INSPECTION REPORT FORM IS AVAILABLE AS AN EXCEL SPREADSHEET FROM THE LAND QUALITY WEB SITE.

<http://portal.ncdcen.org/web/ri/erosion>

GENERAL CONSTRUCTION NOTES

- EXISTING UNDERGROUND STRUCTURES AND UTILITIES SHOWN ARE BASED ON FIELD SURVEYS AND BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY CONDITIONS, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES, PRIOR TO STARTING CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL CONTACT NORTH CAROLINA ONE CALL AT 1-800-635-4849. THE CONTRACTOR SHALL CALL AT LEAST 48 HOURS PRIOR TO ANY DIGGING.
- THE SUBJECT PROPERTY IS LOCATED IN ZONE X, A MINIMAL FLOOD RISK AREA PER FEMA FIRM PANEL 0608, MAP NUMBER 3720060800K, DATED 02/02/07 AND PANEL 9699, MAP NUMBER 3710969900K, DATED 11/17/17.
- IN-STREAM WORK SHALL BE PROHIBITED FROM MARCH 15 THROUGH JUNE 30 TO MINIMIZE IMPACTS TO SPAWNING FISH.
- TOPOGRAPHIC INFORMATION PROVIDED BY CE GROUP, INC. RALEIGH, NC. PROFILE DATA FROM FIELD SURVEY, AND BACKGROUND TOPOGRAPHY FROM AERIAL MAPPING.
- DISTURBANCE IS LIMITED TO NO MORE THAN 15 AC OF GRADUAL SLOPED LAND AT ANY ONE TIME (0 - 14.9% SLOPE).
- DISTURBANCE IS LIMITED TO NO MORE THAN 10 AC OF MODERATELY SLOPED LAND AT ANY ONE TIME (15 - 24.9% SLOPE).
- NCDCOT ASSUMES NO RESPONSIBILITY FOR OPERATION, MAINTENANCE OR LIABILITY OF THE STRUCTURAL STORMWATER BMPs OR ANY DRAINAGE OUTSIDE OF THE RIGHTS-OF-WAY.
- ALL GRATED INLETS IN DITCHES ARE TO BE NCDCOT STD 840.22 OR 840.20 WIDE SLOT GRATES. JBKs TO BE A NCDCOT STD 840.17 OR 840.38 TYPE A 26" NARROW SLOT INLET.
- ALL PROPOSED UTILITIES INSIDE THE PROPOSED SUBDIVISION ROAD RIGHT OF WAY SHALL BE INSTALLED PER THE LATEST NCDCOT POLICIES AND PROCEDURES FOR ACCOMMODATING UTILITIES ON HIGHWAY RIGHTS OF WAY AND ANY LATER NCDCOT PUBLISHED GUIDELINES. NO UTILITY SHOULD BE INSTALLED IN THE SHOULDER, INSIDE THE PAVEMENT, OR INSIDE THE DITCHLINE. MAINTAIN CLEAR ZONE MINIMUM OFFSETS FOR NON-BREAKWAY UTILITY POLES.
- GUARDRAIL INSTALLATION SHALL BE IN ACCORDANCE WITH SECTION 802 OF NCDCOT CURRENT ROADWAY STANDARD DRAWINGS. CONTRACTOR TO CONSULT WITH NCDCOT PRIOR TO OBTAINING GUARDRAIL TO VERIFY LENGTHS FOR INSTALLATION. IF GUARDRAIL IS REQUIRED, EXTRA EFFORT SHALL BE MADE TO AVOID THE NEED FOR GUARDRAIL IN CONSTRUCTION OF SHOULDERS AND GRADES.
- ABC SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 520 OF THE LATEST NCDCOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.

LEGEND



CONSTRUCTION NOTES

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.

SUFFICIENT EROSION CONTROL PRACTICES MUST BE INSTALLED AND MAINTAINED TO RETAIN SEDIMENT WITHIN THE BOUNDARIES OF THE SITE. GROUND COVER STABILIZATION SHALL BE IN ACCORDANCE WITH NPDES PERMIT AND STABILIZATION CHART ABOVE. TEMPORARY GROUND COVER WILL BE INSTALLED ON ALL EXPOSED SLOPES WITHIN 7 OR 14 DAYS. PERMANENT GROUND COVER WILL BE INSTALLED ON EXPOSED SLOPES WITHIN 15 WORKING DAYS FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.

MAINTENANCE: ALL EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSPECTED WEEKLY AND AFTER EVERY RUNOFF PRODUCING RAINFALL EVENT. NEEDED REPAIRS WILL BE MADE IMMEDIATELY.

NO DISTURBANCE TO TAKE PLACE INSIDE STREAM BUFFERS OR WETLANDS UNTIL ALL REQUIRED ACCO, 404 PERMITS, NCDWG 401 PERMITS, AND / OR CHATHAM BUFFER IMPACT AUTHORIZATION HAVE BEEN OBTAINED AND COPY OF PERMITS ON-SITE.

MAXIMUM GRADED SLOPE SHALL NOT EXCEED TWO (2) TO ONE (1).

TOTAL DISTURBED AREA= 8.0 ACRES

NOTE: SEE SHT. ED-01 FOR TEMPORARY AND PERMANENT SWALE DESIGN AND LINER INFORMATION.



NORTH



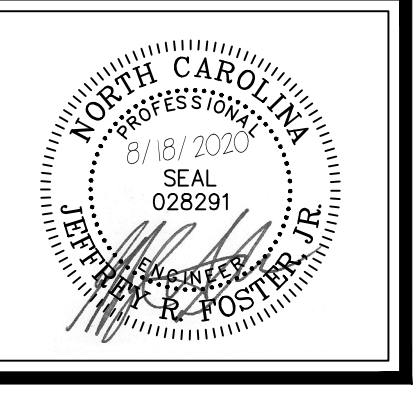
SCALE: 1" = 60'



FINAL DESIGN
FOR CONSTRUCTION

NO.	REVISIONS	DATE
1	REVISIONS PER NCDOT HYDRAULICS COMMENTS	08/19/2020
2	REVISIONS PER NCDOT COMMENTS	08/19/2020
3	REVISIONS PER NCDOT COMMENTS	07/27/2020
4	REVISIONS PER NCDOT COMMENTS	07/19/2020
5	REVISIONS PER CE & STORMWATER COMMENTS	07/07/2020

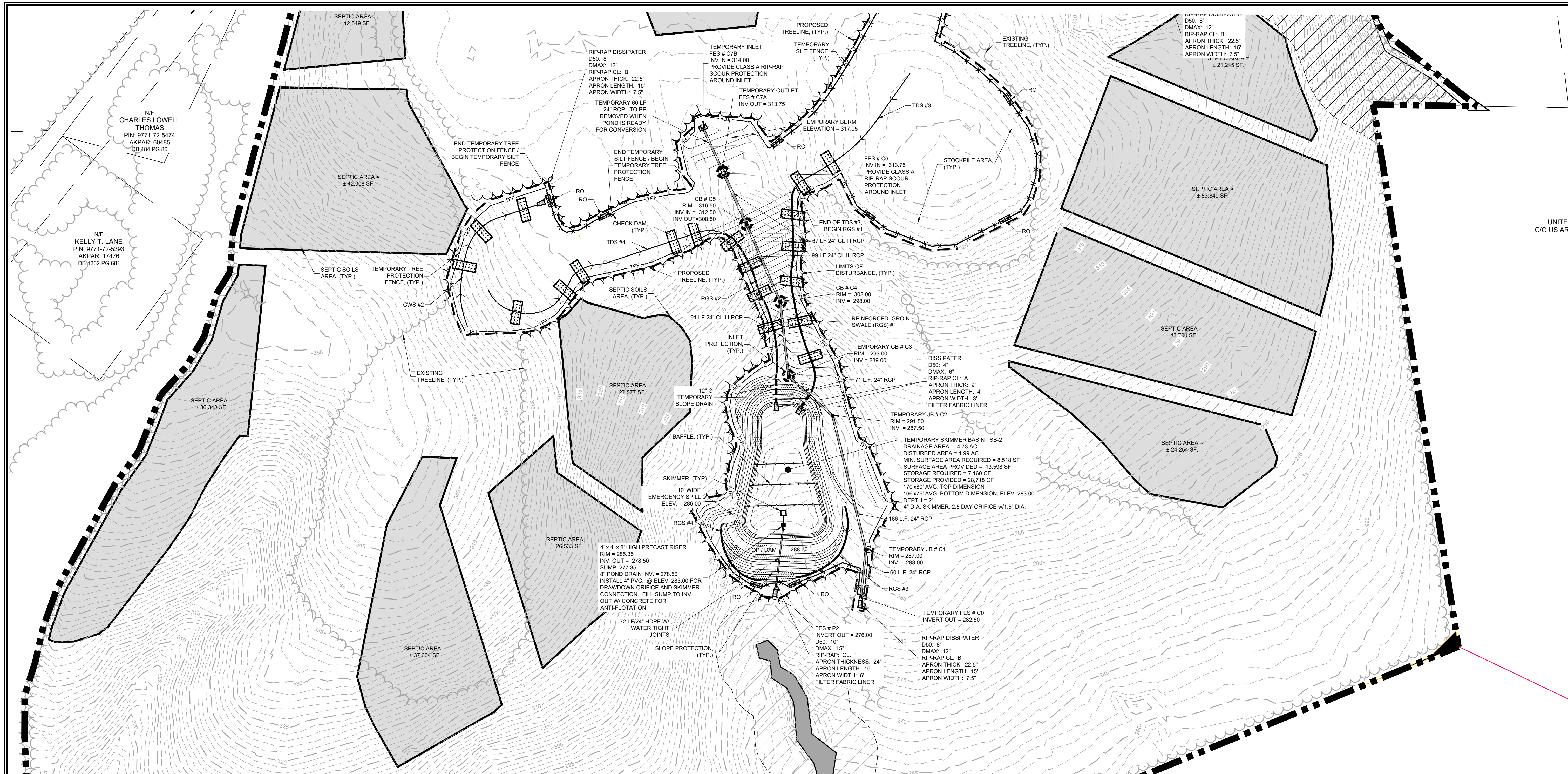
CE GROUP
301 GLENWOOD AVE. 220
RALEIGH, NC 27603
PHONE: 919-367-8790
FAX: 919-322-0032
www.cegroupinc.com
License # C-1739



CONSTRUCTION PLANS FOR SEAFORTH PLACE
EROSION CONTROL PLAN STAGE 1
CHATHAM COUNTY, NC

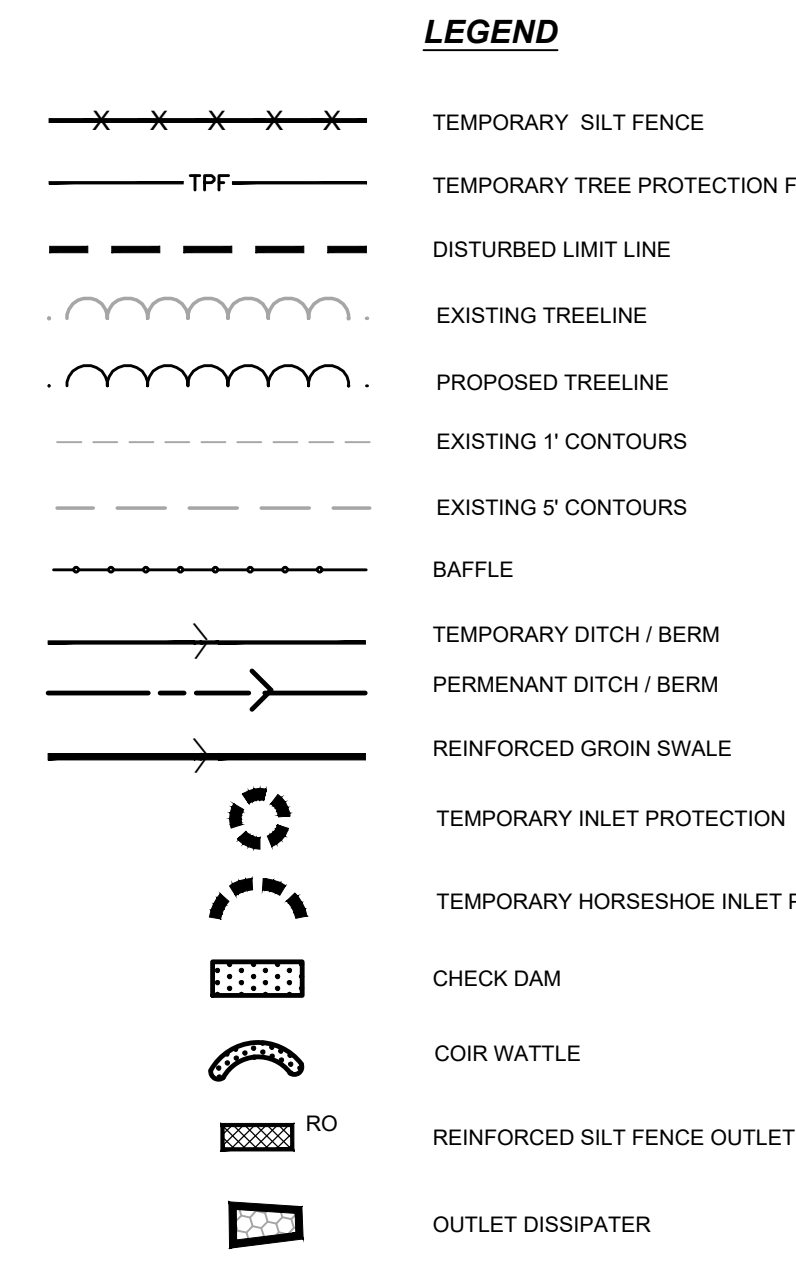
Date: JULY 27, 2020
Scale: 1" = 60'
Drawn: JWA
Checked: JRF
Project No: 124-02
Computer Dwg. Name: 124-02_05-06-ec-01 to ec-02_erosion control plan

Sheet No: **EC-01** Of -



- CONSTRUCTION SEQUENCE**
- OBTAIN GRADING PERMIT / FINAL APPROVAL FROM CHATHAM COUNTY WATERSHED PROTECTION.
 - CONTACT THE CHATHAM COUNTY EROSION CONTROL SECTION AT 919-545-8343 TO SET UP A PRE-CONSTRUCTION MEETING PRIOR TO ANY LAND DISTURBANCE WORK PERFORMED.
 - THERE ARE TWO STAGES INDICATED IN ONE PHASE OF DISTURBANCE AND EACH STAGE OF THIS PHASE MUST BE STABILIZED AND APPROVED BY CHATHAM COUNTY WATERSHED PROTECTION PRIOR TO BEGINNING WORK ON THE NEXT STAGE.
 - INSTALL IN ORDER OF THIS SEQUENCE: DELINEATE THE PROPOSED TREELINE/DISTURBED LIMIT LINE AND INSTALL THE TEMPORARY CONSTRUCTION ENTRANCE ALONG WITH ALL PROPOSED SILT FENCING THROUGHOUT THE ENTIRE PROJECT AREA.
 - FOR STAGE 1, CONTRACTOR SHALL FIRST INSTALL THE CLEAN WATER SWALES AND PIPES/STRUCTURE SYSTEMS AS INDICATED ON THE PLANS. CONTRACTOR SHALL INSTALL ONLY WHEN FORECAST REFLECTS 3-4 DAY OF DRY WEATHER. CONSTRUCT SWALE STARTING FROM DOWNSTREAM END AND STABILIZE WORK WITH RIP-RAP AT THE END OF EACH DAY. ONCE CLEAN WATER SWALES ARE INSTALLED AND STABILIZED, CONTRACTOR TO INSTALL THE HORSESHOE INLET PROTECTION ON PIPE SYSTEMS INSTALLED AS PART OF THE CLEAN WATER BYPASS, WHERE INDICATED, AS WELL AS TEMPORARY SKIMMER BASINS PORTIONS OF THE PERMANENT STORMWATER PONDS. CLEAR ONLY AS NECESSARY TO ACCESS THESE AREAS AND TO CONSTRUCT THESE DEVICES. ONCE THE PREVIOUS MEASURES ARE INSTALLED, CLEAR ONLY AS REQUIRED TO INSTALL TEMPORARY DIVERSION BERMS/DITCHES TO THE SKIMMER BASINS AND OTHER TEMPORARY MEASURES AS SHOWN ON THE APPROVED PLAN. THE CONTRACTOR SHALL STABILIZE ALL DIVERSIONS AND SKIMMER BASINS IMMEDIATELY UPON THEIR CONSTRUCTION. CONTRACTOR TO INSTALL DITCH/SWALE LINER REQUIREMENTS AT THE TIME OF DITCH/SWALE INSTALLATION.
 - ALL MEASURES AND DISTURBED AREAS SHALL BE INSTALLED AND INSPECTED FOR COMPLIANCE PRIOR TO COMMENCEMENT OF ANY PROPOSED CLEARING/GRUBBING AND EXCAVATION IN THE RIGHT-OF-WAY OR REMAINDER OF THE SITE.
 - CALL FOR AN INSPECTION FOR COMPLIANCE PRIOR TO ANY ADDITIONAL CLEARING. OBTAIN CERTIFICATE OF COMPLIANCE THROUGH ON-SITE INSPECTION BY ENVIRONMENTAL INSPECTOR.
 - ONCE CERTIFICATE OF COMPLIANCE IS OBTAINED, BEGIN CLEARING AND GRUBBING WHERE INDICATED.
 - ONCE COMPLETE, ALONG WITH CLEARING AND GRUBBING OF DISTURBED AREAS AS SHOWN ON APPROVED PLAN, BEGIN EXCAVATION OF ROADWAYS AND INSTALLATION OF SUBSURFACE DRAINAGE AND UTILITIES. INSTALL ADDITIONAL INLET PROTECTION DEVICES AS REQUIRED AND/OR SHOWN. ONCE SUBSURFACE DRAINAGE IS INSTALLED AND OPERATIONAL AND APPROVAL HAS BEEN OBTAINED FROM CHATHAM COUNTY, TEMPORARY SKIMMER BASIN ACCESSORIES CAN BE REMOVED AND THE SLOPES STABILIZED. SEED AND MULCH ALL DENuded AREAS WITHIN 15 WORKING DAYS OF COMPLETION OF ANY PHASE OF CONSTRUCTION. ADJUST / MAINTAIN POSITIVE GRADE ON ALL TEMPORARY DITCHES/SWALES TO APPROPRIATE TREATMENT DEVICES AS REQUIRED.
 - REQUEST FINAL APPROVAL BY ENVIRONMENTAL INSPECTOR. IF THE INSPECTOR IS SATISFIED WITH UPSTREAM PERMANENT GROUND COVER, BEGIN REMOVING TEMPORARY EROSION CONTROL MEASURES. TEMPORARY BASINS TO BE DEWATERED WITH SILT BAGS, REMOVE THE SEDIMENT TRAPS AND ALL UNSTABLE SEDIMENT. AFTER STABILIZATION HAS OCCURRED, REMOVE SEDIMENT FROM SKIMMER BASINS AND CONVERT TO PERMANENT STRUCTURES.

*CONTRACTOR TO REESTABLISH TEMPORARY DIVERSION SWALES AT THE END OF EACH DAY TO ENSURE DRAINAGE TO THE APPROPRIATE STRUCTURE.



CONSTRUCTION NOTES

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.

SUFFICIENT EROSION CONTROL PRACTICES MUST BE INSTALLED AND MAINTAINED TO RETAIN SEDIMENT WITHIN THE BOUNDARIES OF THE SITE. GROUND COVER STABILIZATION SHALL BE IN ACCORDANCE WITH NPDES PERMIT AND STABILIZATION CHART ABOVE. TEMPORARY GROUND COVER WILL BE INSTALLED ON ALL EXPOSED SLOPES WITHIN 7 OR 14 DAYS. PERMANENT GROUND COVER WILL BE INSTALLED ON EXPOSED SLOPES WITHIN 15 WORKING DAYS FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.

MAINTENANCE: ALL EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSPECTED WEEKLY AND AFTER EVERY RUNOFF PRODUCING RAINFALL EVENT. NEEDED REPAIRS WILL BE MADE IMMEDIATELY.

NO DISTURBANCE TO TAKE PLACE INSIDE STREAM BUFFERS OR WETLANDS UNTIL ALL REQUIRED ACOE, 404 PERMITS, NCDWQ 401 PERMITS, AND / OR CHATHAM BUFFER IMPACT AUTHORIZATION HAVE BEEN OBTAINED AND COPY OF PERMITS ON-SITE.

MAXIMUM GRADED SLOPE SHALL NOT EXCEED TWO (2) TO ONE (1).

TOTAL DISTURBED AREA= 8.0 ACRES

NOTE: SEE SHT. ED-01 FOR TEMPORARY AND PERMANENT SWALE DESIGN AND LINER INFORMATION.

NCDENR SELF-INSPECTION PROGRAM

THE SEDIMENTATION POLLUTION CONTROL ACT WAS AMENDED IN 2006 TO REQUIRE THAT PERSONS RESPONSIBLE FOR LAND-DISTURBING ACTIVITIES INSPECT A PROJECT AFTER EACH PHASE OF THE PROJECT TO MAKE SURE THAT THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS BEING FOLLOWED.

RULES DETAILING THE DOCUMENTATION OF THESE INSPECTIONS TAKE EFFECT OCTOBER 1, 2010.

THE SELF-INSPECTION PROGRAM IS SEPARATE FROM THE WEEKLY SELF-MONITORING PROGRAM OF THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES. THE FOCUS OF THE SELF-INSPECTION REPORT IS THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES ACCORDING TO THE APPROVED PLAN. THE INSPECTIONS SHOULD BE CONDUCTED AFTER EACH PHASE OF THE PROJECT, AND CONTINUED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

THE SELF-INSPECTION REPORT FORM IS AVAILABLE AS AN EXCEL SPREADSHEET FROM THE LAND QUALITY WEB SITE.

<http://portal.ncdenr.gov/web/1/erosion>

GROUND STABILIZATION *

SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
Perimeter dikes, swales, ditches and slopes	7 days	None
High Quality Water (HOW) Zones	7 days	None
Slopes steeper than 3:1	7 days	If slopes are 10' or less in length and are not steeper than 2:1, 14 days allowed
Slopes 3:1 or flatter	14 days	7-days for slopes greater than 50-feet in length
All other areas with slopes flatter than 4:1	14 days	None (except for perimeters and HOW Zones)

*Extensions of time may be approved by the permitting authority based on weather or other site-specific conditions that make compliance impracticable. (Section II.B (2)(b))

- GENERAL CONSTRUCTION NOTES**
- EXISTING UNDERGROUND STRUCTURES AND UTILITIES SHOWN ARE BASED ON FIELD SURVEYS AND BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY CONDITIONS, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES, PRIOR TO STARTING CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
 - THE CONTRACTOR SHALL CONTACT NORTH CAROLINA ONE CALL AT 1-800-632-4949. THE CONTRACTOR SHALL CALL AT LEAST 48 HOURS PRIOR TO ANY DIGGING.
 - THE SUBJECT PROPERTY IS LOCATED IN ZONE X, A MINIMAL FLOOD RISK AREA PER FEMA FIRM PANEL 9908, MAP NUMBER 372096800K, DATED 02/02/07 AND PANEL 9699, MAP NUMBER 371096900K, DATED 11/17/17.
 - IN-STREAM WORK SHALL BE PROHIBITED FROM MARCH 15 THROUGH JUNE 30 TO MINIMIZE IMPACTS TO SPAWNING FISH.
 - TOPOGRAPHIC INFORMATION PROVIDED BY CE GROUP, INC. RALEIGH, NC. PROFILE DATA FROM FIELD SURVEY, AND BACKGROUND TOPOGRAPHY FROM AERIAL MAPPING.
 - DISTURBANCE IS LIMITED TO NO MORE THAN 15 AC OF GRADUAL SLOPED LAND AT ANY ONE TIME (0 - 14.9% SLOPE).
 - DISTURBANCE IS LIMITED TO MORE THAN 10 AC OF MODERATELY SLOPED LAND AT ANY ONE TIME (15 - 24.9% SLOPE).
 - NCDOT ASSUMES NO RESPONSIBILITY FOR OPERATION, MAINTENANCE OR LIABILITY OF THE STRUCTURAL STORMWATER BMP'S OR ANY DRAINAGE OUTSIDE OF THE RIGHTS-OF-WAY.
 - ALL GRATED INLETS IN DITCHES ARE TO BE NCDOT STD 840 22 OR 840 20 WIDE SLOT GRATES. 360CS TO BE A NCDOT STD 840 17 OR 840 26 TYPE A 26" NARROW SLOT INLET.
 - ALL PROPOSED UTILITIES INSIDE THE PROPOSED SUBDIVISION ROAD RIGHT OF WAY SHALL BE INSTALLED PER THE LATEST NCDOT POLICIES AND PROCEDURES FOR ACCOMMODATING UTILITIES ON HIGHWAY RIGHTS OF WAY AND ANY LATER NCDOT PUBLISHED GUIDELINES. NO UTILITY SHOULD BE INSTALLED IN THE SHOULDER, INSIDE THE PAVEMENT, OR INSIDE THE DITCHLINE. MAINTAIN CLEAR ZONE MINIMUM OFFSETS FOR NON-BREAKWAY UTILITY POLES.
 - GUARDRAIL INSTALLATION SHALL BE IN ACCORDANCE WITH SECTION 862 OF NCDOT CURRENT ROADWAY STANDARD DRAWINGS. CONTRACTOR TO CONSULT WITH NCDOT PRIOR TO OBTAINING GUARDRAIL TO VERIFY LENGTHS FOR INSTALLATION. IF GUARDRAIL IS REQUIRED, EVERY EFFORT SHALL BE MADE TO AVOID THE NEED FOR GUARDRAIL. IN CONSTRUCTION OF SHOULDERS AND GRADES.
 - ABC SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 520 OF THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.



FINAL DESIGN
FOR CONSTRUCTION

NO.	REVISIONS	DATE
E	REVISIONS PER NCDOT HYDRAULICS COMMENTS	08/19/2020
D	REVISIONS PER NCDOT COMMENTS	08/14/2020
C	REVISIONS PER NCDOT COMMENTS	07/27/2020
B	REVISIONS PER NCDOT COMMENTS	07/17/2020
A	REVISIONS PER EC & STORMWATER COMMENTS	07/07/2020

CE GROUP

301 GLENWOOD AVE. 220
RALEIGH, NC 27603
PHONE: 919-367-8790
FAX: 919-322-0032

www.cegroupinc.com

License # C-1739



CONSTRUCTION PLANS FOR SEAFORTH PLACE

EROSION CONTROL PLAN STAGE 1

CHATHAM COUNTY, NC

Date: JULY 27, 2020

Scale: 1" = 60'

Drawn: JWA

Checked: JRF

Project No: 124-02

Computer Dwg. Name: 124-02_05-06-ec-01.ec-02_erosion control plan

Sheet No: **EC-02** Of -

CONSTRUCTION SEQUENCE

- OBTAIN GRADING PERMIT / FINAL APPROVAL FROM CHATHAM COUNTY WATERSHED PROTECTION.
- CONTACT THE CHATHAM COUNTY EROSION CONTROL SECTION AT 919-946-8343 TO SET UP A PRE-CONSTRUCTION MEETING PRIOR TO ANY LAND DISTURBANCE WORK PERFORMED.
- THERE ARE TWO STAGES INDICATED IN ONE PHASE OF DISTURBANCE AND EACH STAGE OF THIS PHASE MUST BE STABILIZED AND APPROVED BY CHATHAM COUNTY WATERSHED PROTECTION PRIOR TO BEGINNING WORK ON THE NEXT STAGE.
- INSTALL IN ORDER OF THIS SEQUENCE: DELINEATE THE PROPOSED TREELINE/DISTURBED LIMIT LINE AND INSTALL THE TEMPORARY CONSTRUCTION ENTRANCE ALONG WITH ALL PROPOSED SILT FENCING THROUGHOUT THE ENTIRE PROJECT AREA.
- FOR STAGE 1, CONTRACTOR SHALL FIRST INSTALL THE CLEAN WATER SWALES AND PIPES/STRUCTURE SYSTEMS AS INDICATED ON THE PLANS. CONTRACTOR SHALL INSTALL ONLY WHEN FORECAST REFLECTS 3+ DAY OF DRY WEATHER. CONSTRUCT SWALE STARTING FROM DOWNSTREAM END AND STABILIZE WORK WITH RIP RAP AT THE END OF EACH DAY. ONCE CLEAN WATER SWALES ARE INSTALLED AND STABILIZED, CONTRACTOR TO INSTALL THE HORSESHOE INLET PROTECTION ON PIPE SYSTEMS INSTALLED AS PART OF THE CLEAN WATER BYPASS, WHERE INDICATED, AS WELL AS TEMPORARY SKIMMER BASINS PORTIONS OF THE PERMANENT STORMWATER PONDS. CLEAR ONLY AS NECESSARY TO ACCESS THESE AREAS AND TO CONSTRUCT THESE DEVICES. ONCE THE PREVIOUS MEASURES ARE INSTALLED, CLEAR ONLY AS REQUIRED TO INSTALL TEMPORARY DIVERSION BERMS/ DITCHES TO THE SKIMMER BASINS AND OTHER TEMPORARY MEASURES AS SHOWN ON THE APPROVED PLAN. THE CONTRACTOR SHALL STABILIZE ALL DIVERSIONS AND SKIMMER BASINS IMMEDIATELY UPON THEIR CONSTRUCTION. CONTRACTOR TO INSTALL DITCH/SWALE LINER REQUIREMENTS AT THE TIME OF DITCH/SWALE INSTALLATION.
- ALL MEASURES AND DISTURBED AREAS SHALL BE INSTALLED AND INSPECTED FOR COMPLIANCE PRIOR TO COMMENCEMENT OF ANY PROPOSED CLEARING/GRUBBING AND EXCAVATION IN THE RIGHT-OF-WAY OR REMAINDER OF THE SITE.
- CALL FOR AN INSPECTION FOR COMPLIANCE PRIOR TO ANY ADDITIONAL CLEARING. OBTAIN CERTIFICATE OF COMPLIANCE THROUGH ON-SITE INSPECTION BY ENVIRONMENTAL INSPECTOR.
- ONCE CERTIFICATE OF COMPLIANCE IS OBTAINED, BEGIN CLEARING AND GRUBBING WHERE INDICATED.
- ONCE COMPLETE, ALONG WITH CLEARING AND GRUBBING OF DISTURBED AREAS AS SHOWN ON APPROVED PLAN, BEGIN EXCAVATION OF ROADWAYS AND INSTALLATION OF SUBSURFACE DRAINAGE AND UTILITIES. INSTALL ADDITIONAL INLET PROTECTION DEVICES AS REQUIRED AND/OR SHOWN. ONCE SUBSURFACE DRAINAGE IS INSTALLED AND OPERATIONAL AND APPROVAL HAS BEEN OBTAINED FROM CHATHAM COUNTY, TEMPORARY SKIMMER BASIN ACCESSORIES CAN BE REMOVED AND THE SLOPES STABILIZED. SEED AND MULCH ALL DENIED AREAS WITHIN 15 WORKING DAYS OF COMPLETION OF ANY PHASE OF CONSTRUCTION. ADJUST / MAINTAIN POSITIVE GRADE ON ALL TEMPORARY DITCHES/SWALES TO APPROPRIATE TREATMENT DEVICES AS REQUIRED.
- REQUEST FINAL APPROVAL BY ENVIRONMENTAL INSPECTOR. IF THE INSPECTOR IS SATISFIED WITH UPSTREAM PERMANENT GROUND COVER, BEGIN REMOVING TEMPORARY EROSION CONTROL MEASURES. TEMPORARY BASINS TO BE DEWATERED WITH SILT BAGS, REMOVE THE SEDIMENT TRAPS AND ALL UNSTABLE SEDIMENT. AFTER STABILIZATION HAS OCCURRED, REMOVE SEDIMENT FROM SKIMMER BASINS AND CONVERT TO PERMANENT STRUCTURES.

*CONTRACTOR TO REESTABLISH TEMPORARY DIVERSION SWALES AT THE END OF EACH DAY TO ENSURE DRAINAGE TO THE APPROPRIATE STRUCTURE.

PIN: 9771-83-5889
AKPAR: 92065
DB 2059 PG 49
PB 2017 PG 137

NIF
JOSHUA MICHAEL & LESLEY ANN HEIZMAN
PIN: 9771-83-6777
AKPAR: 92064
DB 1904 PG 795
PB 2017 PG 137

NIF
MARIE NORTON & ALAN CROSS JIT ROS
PIN: 9771-83-7514
AKPAR: 92063
DB 1987 PG 270
PB 2017 PG 137

GROUND STABILIZATION *

SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
Perimeter dikes, swales, ditches and slopes	7 days	None
High Quality Water (HQW) Zones	7 days	None
Slopes steeper than 3:1	7 days	If slopes are 10' or less in length and are not steeper than 2:1, 14 days allowed
Slopes 3:1 or flatter	14 days	7-days for slopes greater than 50-feet in length
All other areas with slopes flatter than 4:1	14 days	None (except for perimeters and HQW Zones)

* Extensions of time may be approved by the permitting authority based on weather or other site-specific conditions that make compliance impracticable. (Section II.B (2)(b))

NC DENR SELF-INSPECTION PROGRAM

THE SEDIMENTATION POLLUTION CONTROL ACT WAS AMENDED IN 2006 TO REQUIRE THAT PERSONS RESPONSIBLE FOR LAND-DISTURBING ACTIVITIES INSPECT A PROJECT AFTER EACH PHASE OF THE PROJECT TO MAKE SURE THAT THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS BEING FOLLOWED.

RULES DETAILING THE DOCUMENTATION OF THESE INSPECTIONS TAKE EFFECT OCTOBER 1, 2010.

THE SELF-INSPECTION PROGRAM IS SEPARATE FROM THE WEEKLY SELF-MONITORING PROGRAM OF THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES. THE FOCUS OF THE SELF-INSPECTION REPORT IS THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES ACCORDING TO THE APPROVED PLAN. THE INSPECTIONS SHOULD BE CONDUCTED AFTER EACH PHASE OF THE PROJECT, AND CONTINUED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

THE SELF-INSPECTION REPORT FORM IS AVAILABLE AS AN EXCEL SPREADSHEET FROM THE LAND QUALITY WEB SITE.

<http://portal.ncdenr.org/web/eri/erosion>

GENERAL CONSTRUCTION NOTES

- EXISTING UNDERGROUND STRUCTURES AND UTILITIES SHOWN ARE BASED ON FIELD SURVEYS AND BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY CONDITIONS, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES, PRIOR TO STARTING CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL CONTACT NORTH CAROLINA ONE CALL AT 1-800-632-4849. THE CONTRACTOR SHALL CALL AT LEAST 48 HOURS PRIOR TO ANY DIGGING.
- THE SUBJECT PROPERTY IS LOCATED IN ZONE X, A MINIMAL FLOOD RISK AREA PER FEMA FIRM PANEL 0608, MAP NUMBER 372006800K, DATED 02/02/07 AND PANEL 9699, MAP NUMBER 3710969900K, DATED 11/17/17.
- IN-STREAM WORK SHALL BE PROHIBITED FROM MARCH 15 THROUGH JUNE 30 TO MINIMIZE IMPACTS TO SPAWNING FISH.
- TOPOGRAPHIC INFORMATION PROVIDED BY CE GROUP, INC. RALEIGH, NC. PROFILE DATA FROM FIELD SURVEY, AND BACKGROUND TOPOGRAPHY FROM AERIAL MAPPING.
- DISTURBANCE IS LIMITED TO NO MORE THAN 15 AC OF GRADUAL SLOPED LAND AT ANY ONE TIME (0 - 14.9% SLOPE).
- DISTURBANCE IS LIMITED TO NO MORE THAN 10 AC OF MODERATELY SLOPED LAND AT ANY ONE TIME (15 - 24.9% SLOPE).
- NC DOT ASSUMES NO RESPONSIBILITY FOR OPERATION, MAINTENANCE OR LIABILITY OF THE STRUCTURAL STORMWATER BMP'S OR ANY DRAINAGE OUTSIDE OF THE RIGHTS-OF-WAY.
- ALL GRATED INLETS IN DITCHES ARE TO BE NC DOT STD 840.22 OR 840.20 WIDE SLOT GRATES.
- ALL PROPOSED UTILITIES INSIDE THE PROPOSED SUBDIVISION ROAD RIGHT OF WAY SHALL BE INSTALLED PER THE LATEST NC DOT POLICIES AND PROCEDURES FOR ACCOMMODATING UTILITIES ON HIGHWAY RIGHTS OF WAY AND ANY LATER GUIDELINES. NO UTILITY SHOULD BE INSTALLED IN THE SHOULDER OR INSIDE THE DITCHLINE. MAINTAIN CLEAR ZONE MINIMUM OFFSETS FOR NON-BREAKAWAY UTILITY POLES.
- GUARDRAIL INSTALLATION SHALL BE IN ACCORDANCE WITH SECTION 862 OF NC DOT CURRENT ROADWAY STANDARD DRAWINGS. CONTRACTOR TO CONSULT WITH NC DOT PRIOR TO OBTAINING GUARDRAIL TO VERIFY LENGTHS FOR INSTALLATION. IF GUARDRAIL IS REQUIRED, EVERY EFFORT SHALL BE MADE TO AVOID THE NEED FOR GUARDRAIL IN CONSTRUCTION OF SHOULDERS AND GRADES.
- INDIVIDUAL LOTS TO BE GRADED AND PERMITTED SEPARATELY.

LEGEND

- TEMPORARY SILT FENCE
- TPF
- DISTURBED LIMIT LINE
- EXISTING TREELINE
- TREELINE
- EXISTING 5' CONTOURS
- EXISTING 5' CONTOURS
- PERMANENT DITCH / BERM
- REINFORCED GROIN SWALE
- TEMPORARY INLET PROTECTION
- TEMPORARY HORSESHOE INLET PROTECTION
- CHECK DAM
- COIR WATTLE
- REINFORCED SILT FENCE OUTLET
- OUTLET DISSIPATER
- SLOPE PROTECTION

CONSTRUCTION NOTES

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS. SUFFICIENT EROSION CONTROL PRACTICES MUST BE INSTALLED AND MAINTAINED TO RETAIN SEDIMENT WITHIN THE BOUNDARIES OF THE SITE. GROUND COVER STABILIZATION SHALL BE IN ACCORDANCE WITH NPDES PERMIT AND STABILIZATION CHART ABOVE. TEMPORARY GROUND COVER WILL BE INSTALLED ON ALL EXPOSED SLOPES IN 7 OR 14 DAYS. PERMANENT GROUND COVER WILL BE INSTALLED ON EXPOSED SLOPES WITHIN 15 WORKING DAYS FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.

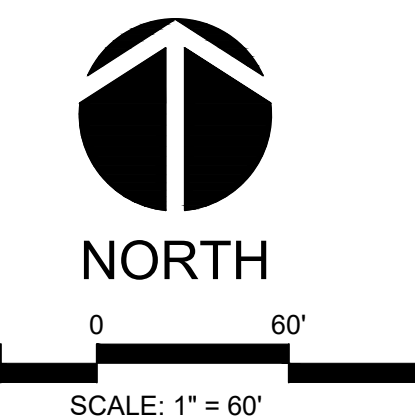
MAINTENANCE: ALL EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSPECTED WEEKLY AND AFTER EVERY RUNOFF PRODUCING RAINFALL EVENT. NEEDED REPAIRS WILL BE MADE IMMEDIATELY.

NO DISTURBANCE TO TAKE PLACE INSIDE STREAM BUFFERS OR WETLANDS UNTIL ALL REQUIRED ACCO, 404 PERMITS, NCDWQ 401 PERMITS, AND / OR CHATHAM BUFFER IMPACT AUTHORIZATION HAVE BEEN OBTAINED AND COPY OF PERMITS ON-SITE.

MAXIMUM GRADED SLOPE SHALL NOT EXCEED TWO (2) TO ONE (1).

TOTAL DISTURBED AREA= 8.0 ACRES

NOTE: SEE SHT. ED-01 FOR TEMPORARY AND PERMANENT SWALE DESIGN AND LINER INFORMATION.



FINAL DESIGN
NOT RELEASED FOR CONSTRUCTION

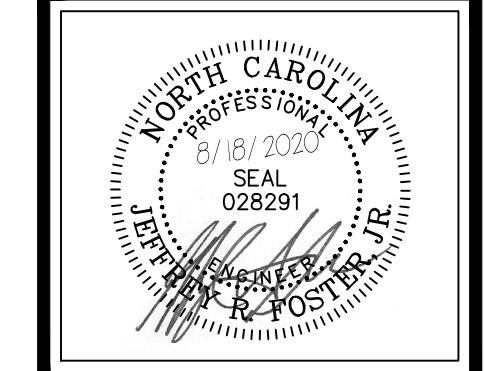
NO.	REVISIONS	DATE
1	REVISIONS PER NCDOT HYDRAULICS COMMENTS	08/19/2020
2	REVISIONS PER NCDOT COMMENTS	08/19/2020
3	REVISIONS PER NCDOT COMMENTS	07/27/2020
4	REVISIONS PER NCDOT COMMENTS	07/15/2020
5	REVISIONS PER NCDOT COMMENTS	07/15/2020

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CONSTRUCTION PLANS FOR
SEAFORTH PLACE
EROSION CONTROL PLAN STAGE 2
CHATHAM COUNTY

Date: JULY 27, 2020

Scale: 1" = 60'

Drawn: JWA

Checked: JRF

Project No. 124-02

Computer Dwg. Name 124-02_07-08-ec-03 to ec-04_erosion control plan stage 2

Sheet No. EC-03

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