

**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))

**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 0608, MAP NUMBER 3720000800K, DATED 02/02/07.
- 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% SLOPES).
- DISTURBANCE IS LIMITED TO NO MORE THAN 10 AC OF MODERATELY SLOPED LAND AT ANY ONE TIME (15 - 24.9% SLOPES).
- NC DOT ASSUMES NO RESPONSIBILITY FOR OPERATION, MAINTENANCE OR LIABILITY OF THE STRUCTURAL STORMWATER BMP'S.
- INDIVIDUAL LOTS TO BE GRADED AND PERMITTED SEPARATELY.

**LEGEND**

- PROPOSED TREELINE
- EXISTING 1' CONTOURS
- EXISTING 5' CONTOURS
- TOP OF BANK
- BOTTOM OF BANK
- WETLAND AREA
- TEMPORARY SILT FENCE
- TEMPORARY TREE PROTECTION FENCE
- DISTURBED LIMIT LINE
- BAFFLE
- TEMPORARY DITCH / BERM
- PERMANENT DITCH / BERM
- TEMPORARY INLET PROTECTION
- TEMPORARY HORSESHOE INLET PROTECTION
- CHECK DAM
- COIR MATTRESS
- REINFORCED SILT FENCE OUTLET
- 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 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 ACCE, 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).

PHASE 1 DISTURBED AREA = 8.0 ACRES  
 PHASE 2 DISTURBED AREA = 8.0 ACRES  
 PHASE 3 DISTURBED AREA = 9.0 ACRES  
**TOTAL DISTURBED AREA = 25.0 ACRES**

\* NOTE: SEE SHEET ED-06 FOR TEMPORARY AND PERMANENT SWALE DESIGN INFORMATION AND LINER SPECIFICATIONS.  
 \* NOTE: SEE SHEET ED-01 FOR THE CONSTRUCTION SEQUENCE

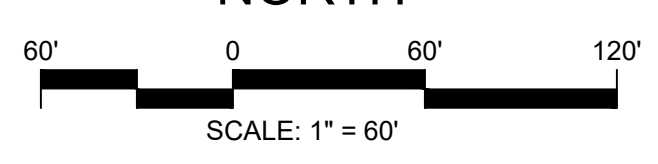
**NC DENR SELF-INSPECTION PROGRAM**

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.

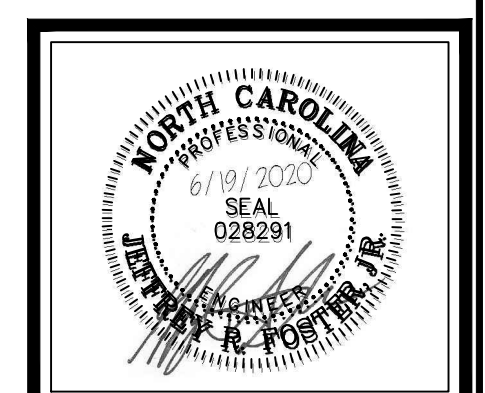
<http://portal.ncdenr.org/web/1/erosion>



**FINAL DESIGN**  
 NOT FOR CONSTRUCTION

NO.	REVISIONS	DATE
1	REVISED PER CHATHAM COUNTY AND NCDOT COMMENTS	06/19/20
2	REVISED PER CHATHAM COUNTY EC & SW COMMENTS	06/12/20
3	REVISED PER CHATHAM COUNTY AND NCDOT COMMENTS	06/05/20
4	REVISED PER CHATHAM COUNTY AND NCDOT COMMENTS	06/05/20

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



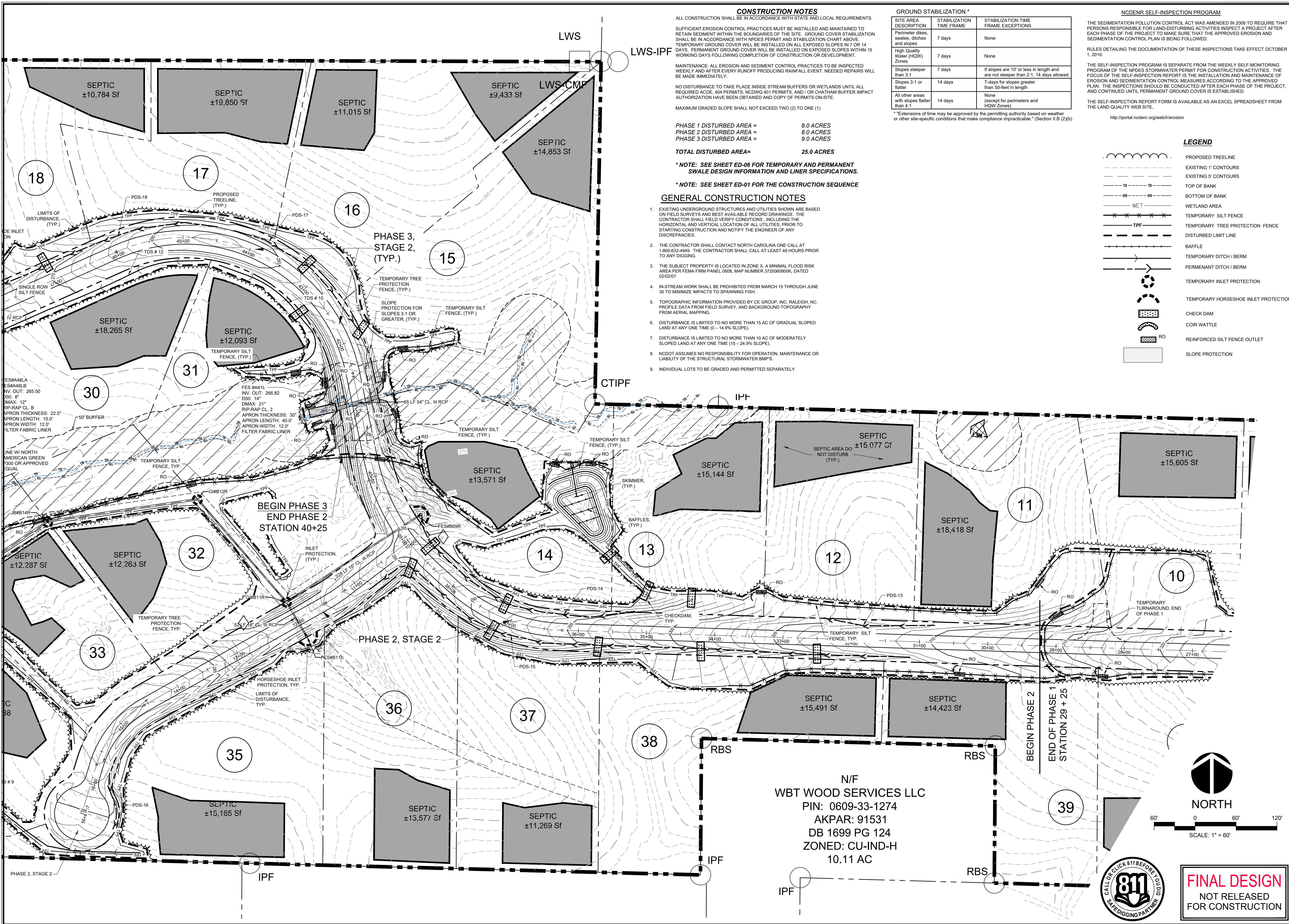
CONSTRUCTION PLANS FOR  
 THE CONSERVANCY AT JORDAN LAKE  
 EROSION CONTROL PLAN PH-1-3,  
 STAGE 2  
 CHATHAM COUNTY, NC

Date:	JUNE 19, 2020
Scale:	1" = 60'
Drawn:	JWA
Checked:	JRF
Project No.:	127-290
Computer Dwg. Name:	127-290_08-10-ec-04-to-ec-06_erosion control
Sheet No.:	EC-04 Of 1

N/F  
 FRANK THOMAS & MARSHA H  
 MASSEY  
 PIN: 0609-33-6646  
 AKPAR: 79941  
 DB 955 PG 752  
 ZONED: CU-B-1  
 12.75 AC

N/F  
 3 BOYS CAPITAL LLC & CHATHAM  
 CAPITAL GROUP LLC & EQUITY  
 TRUST  
 PIN: 0609-43-0050  
 AKPAR: 5334  
 DB 1977 PG 10  
 ZONED: R-1  
 36.39 AC





**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 ACOE, 404 PERMITS, NCDQW 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).

PHASE 1 DISTURBED AREA = 8.0 ACRES  
 PHASE 2 DISTURBED AREA = 8.0 ACRES  
 PHASE 3 DISTURBED AREA = 9.0 ACRES  
**TOTAL DISTURBED AREA = 25.0 ACRES**  
 \*NOTE: SEE SHEET ED-06 FOR TEMPORARY AND PERMANENT SWALE DESIGN INFORMATION AND LINER SPECIFICATIONS.  
 \*NOTE: SEE SHEET ED-01 FOR THE CONSTRUCTION SEQUENCE

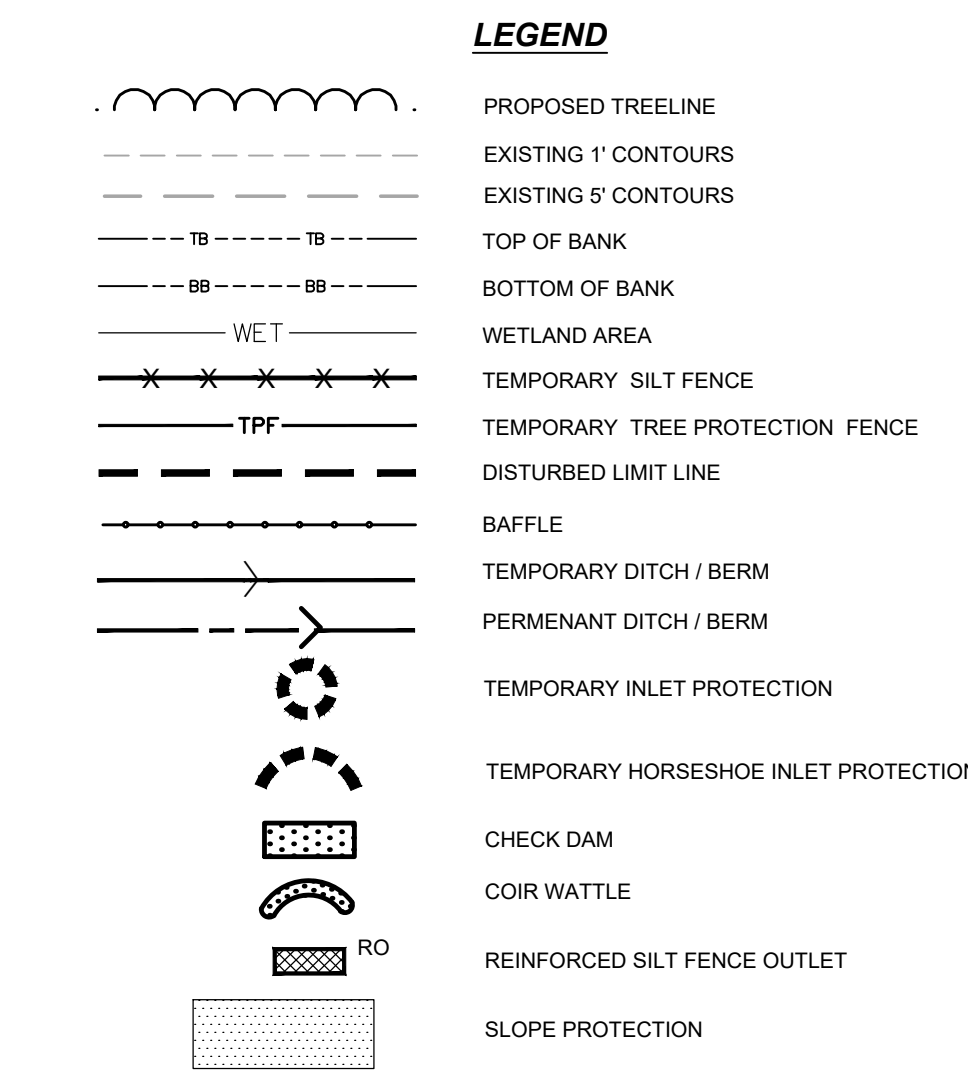
- GENERAL CONSTRUCTION NOTES**
- EXISTING UNDERGROUND STRUCTURES AND UTILITIES SHOWN ARE BASED ON FIELD SURVEYS AND BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY CONDITIONS, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES, PRIOR TO STARTING CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
  - THE CONTRACTOR SHALL CONTACT NORTH CAROLINA ONE CALL AT 1-800-832-4549. 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 3720060800K, DATED 02/02/07.
  - 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.
  - INDIVIDUAL LOTS TO BE GRADED AND PERMITTED SEPARATELY.

**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))

**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.org/web/erosion>



NO.	REVISIONS	DATE
1	REVISED PER CHATHAM COUNTY AND NCDOT COMMENTS	06/19/20
2	REVISED PER CHATHAM COUNTY EC & SW COMMENTS	06/12/20
3	REVISED PER CHATHAM COUNTY AND NCDOT COMMENTS	06/05/20

**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  
 THE CONSERVANCY AT JORDAN LAKE  
 EROSION CONTROL PLAN PH-1-3,  
 STAGE 2  
 CHATHAM COUNTY, NC

Date: JUNE 19, 2020  
 Scale: 1" = 60'  
 Drawn: JWA  
 Checked: JRF  
 Project No: 127-290  
 Computer Dwg. Name: 127-290\_08-10-04 to 06\_erosion control

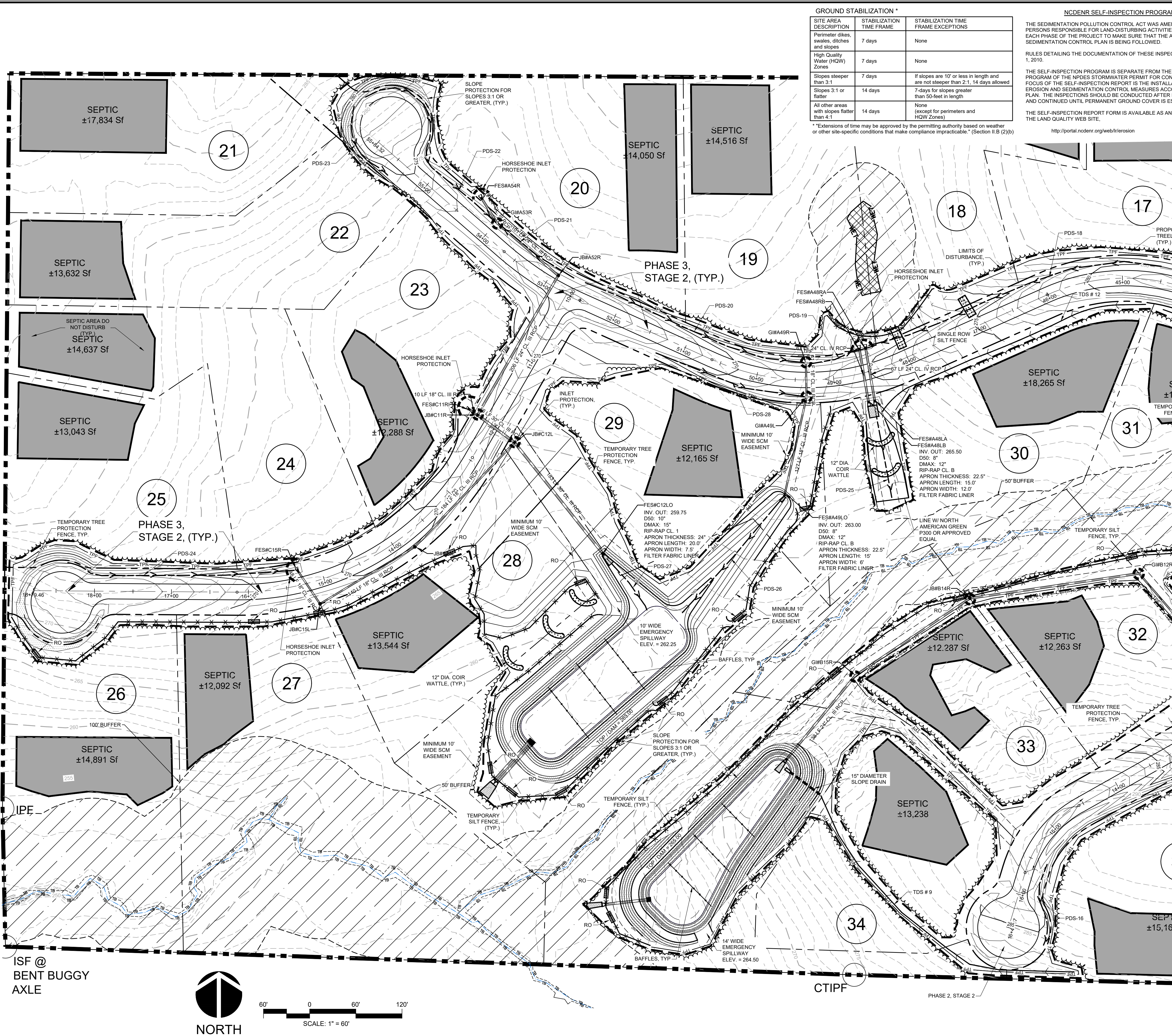
Sheet No:  
**EC-05**  
 Of 5



**FINAL DESIGN**  
 NOT RELEASED  
 FOR CONSTRUCTION

N/F  
 WBT WOOD SERVICES LLC  
 PIN: 0609-33-1274  
 AKPAR: 91531  
 DB 1699 PG 124  
 ZONED: CU-IND-H  
 10.11 AC





**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 1-800-632-4949. 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 0608, MAP NUMBER 3720060800K, DATED 02/02/07.
  - 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.
  - INDIVIDUAL LOTS TO BE GRADED AND PERMITTED SEPARATELY.

- LEGEND**
- PROPOSED TREELINE
  - EXISTING 1' CONTOURS
  - EXISTING 5' CONTOURS
  - TOP OF BANK
  - BOTTOM OF BANK
  - WETLAND AREA
  - TEMPORARY SILT FENCE
  - TEMPORARY TREE PROTECTION FENCE
  - DISTURBED LIMIT LINE
  - BAFFLE
  - PERMANENT DITCH / BERM
  - PERMANENT INLET PROTECTION
  - TEMPORARY HORSESHOE INLET PROTECTION
  - CHECK DAM
  - COIR WATTLE
  - REINFORCED SILT FENCE OUTLET
  - 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 AC06, 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).

PHASE 1 DISTURBED AREA = 8.0 ACRES  
 PHASE 2 DISTURBED AREA = 8.0 ACRES  
 PHASE 3 DISTURBED AREA = 9.0 ACRES  
**TOTAL DISTURBED AREA = 25.0 ACRES**

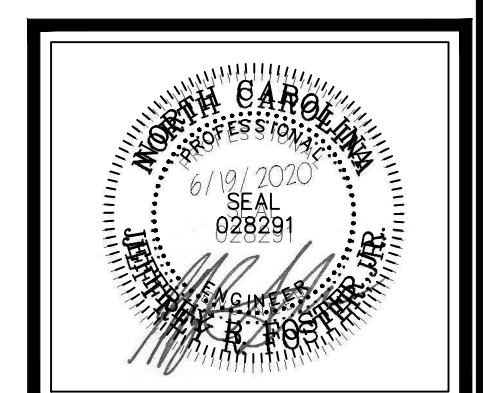
\* NOTE: SEE SHEET ED-06 FOR TEMPORARY AND PERMANENT SWALE DESIGN INFORMATION AND LINER SPECIFICATIONS.  
 \* NOTE: SEE SHEET ED-01 FOR THE CONSTRUCTION SEQUENCE

NO.	REVISIONS	DATE
1	REVISED PER CHATHAM COUNTY AND NCDOT COMMENTS	06/19/20
2	REVISED PER CHATHAM COUNTY EC & SW COMMENTS	06/12/20
3	REVISED PER CHATHAM COUNTY AND NCDOT COMMENTS	06/05/20

**CE GROUP**

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

www.cegroupinc.com  
 License # C-1739

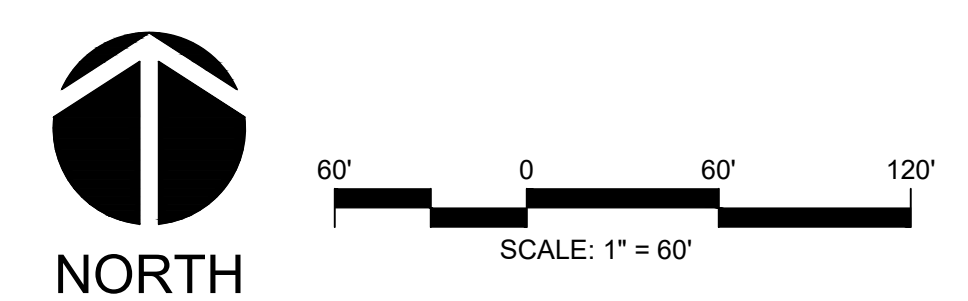


CONSTRUCTION PLANS FOR  
 THE CONSERVANCY AT JORDAN LAKE  
 EROSION CONTROL PLAN PH-13,  
 STAGE 2  
 CHATHAM COUNTY, NC

Date: JUNE 19, 2020  
 Scale: 1" = 60'  
 Drawn: JWA  
 Checked: JRF  
 Project No: 127-290  
 Computer Dwg. Name: 127-290\_06-10-ed-04 to ed-06\_erosion control.dwg

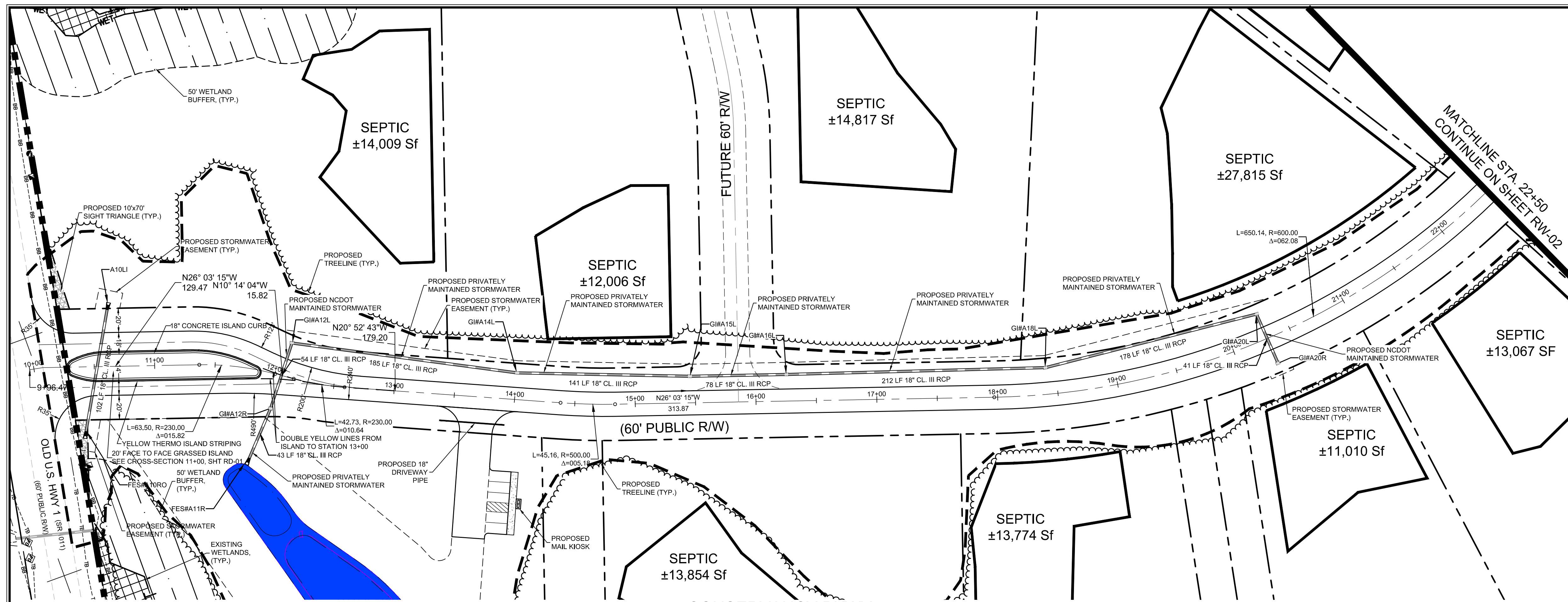
Sheet No:  
**EC-06**  
 Of 1

ISF @  
 BENT BUGGY  
 AXLE

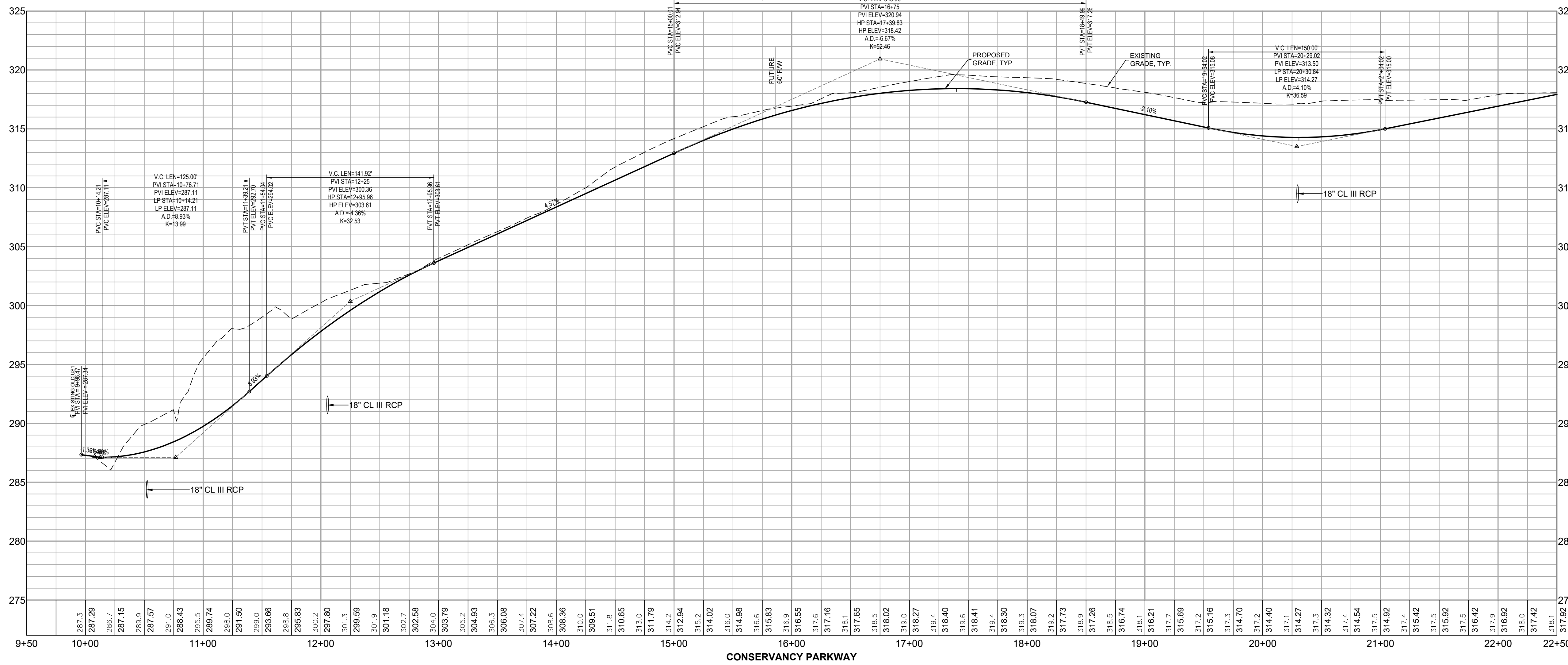


**FINAL DESIGN**  
 NOT RELEASED  
 FOR CONSTRUCTION





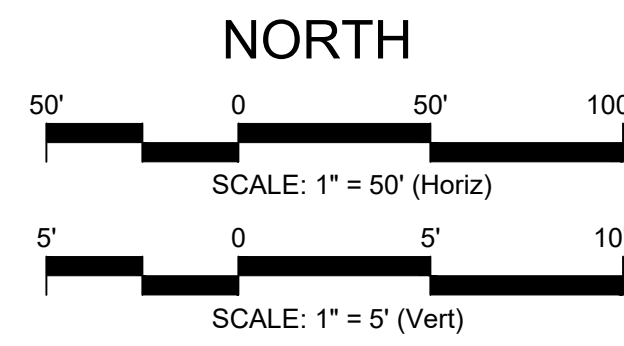
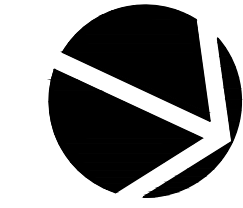
**CONSERVANCY PKWY  
PLAN & PROFILE**  
SCALE: 1"=50' H, 1"=5' V



**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 1-800-432-4849. 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).
- 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 840.17 OR 840.28 TYPE A 2GI NARROW SLOT INLETS.
- 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.

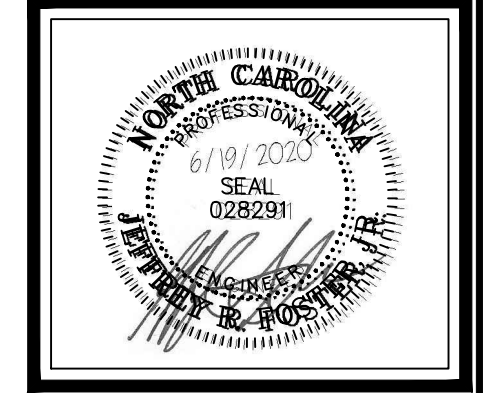
STORMWATER STRUCTURES			
Structure #	Top/Throat Elev.	Inv In Elev	Inv Out Elev
A20R	312.35	309.00	309.00
A20L	312.35	308.50	308.50
A18L	315.45	306.70	306.70
A16L	315.50	304.60	304.60
A15L	312.90	303.80	303.80
A14L	306.45	302.45	302.45
A12L	296.40	293.60	293.60
A12R	296.00	288.00	288.00
A11R	289.00	287.50	287.50
B09R	282.00	280.50	280.50
B11R	275.50	271.50	271.50
B12R	268.50	264.50	264.50
B14R	267.50	262.70	262.70
B15R	265.00	261.00	261.00
B16R	263.50	259.50	259.50
B11L	280.00	275.00	275.00
A41R	267.97	267.97	266.82
A48R	265.60	265.60	265.20
A49R	266.95	264.45	264.45
A49L	266.95	263.95	263.95
A49LO	265.00	263.00	263.00
A53R	270.75	266.75	266.75
A52R	273.20	265.95	265.95
C11R	268.00	263.00	263.00
C12L	267.00	262.00	262.00
C15R	267.50	266.00	266.00
C15L	267.50	264.50	264.50
C12LO	265.00	259.75	259.75
A10LI	284.15	284.15	284.15
A10RO	286.50	283.07	283.07



**FINAL DESIGN**  
NOT RELEASED  
FOR CONSTRUCTION

NO.	REVISIONS	DATE
1	REVISED PER CHATHAM COUNTY AND NC DOT COMMENTS	06/19/20
2	REVISED PER CHATHAM COUNTY EC & SW COMMENTS	06/12/20
3	REVISED PER CHATHAM COUNTY AND NC DOT COMMENTS	06/05/20

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

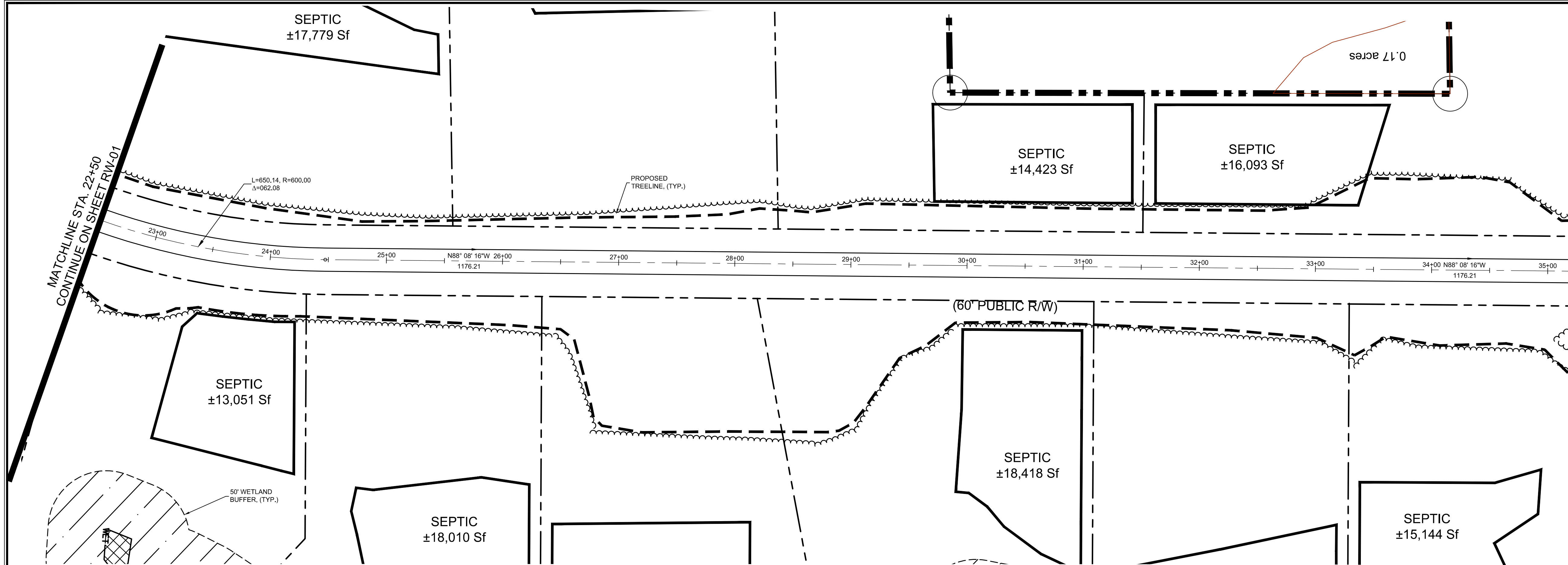


CONSTRUCTION PLANS FOR  
THE CONSERVANCY AT JORDAN LAKE  
CONSERVANCY PKWY PP1  
STA: 10+00 TO 22+50  
CHATHAM COUNTY, NC

Date: JUNE 19, 2020  
Scale: 1" = 50' / 1" = 5'  
Drawn: JWA  
Checked: JRF  
Project No: 127-290  
Computer Dwg. Name: 127-290\_11-14-rw-01 to rw-04\_conservancy

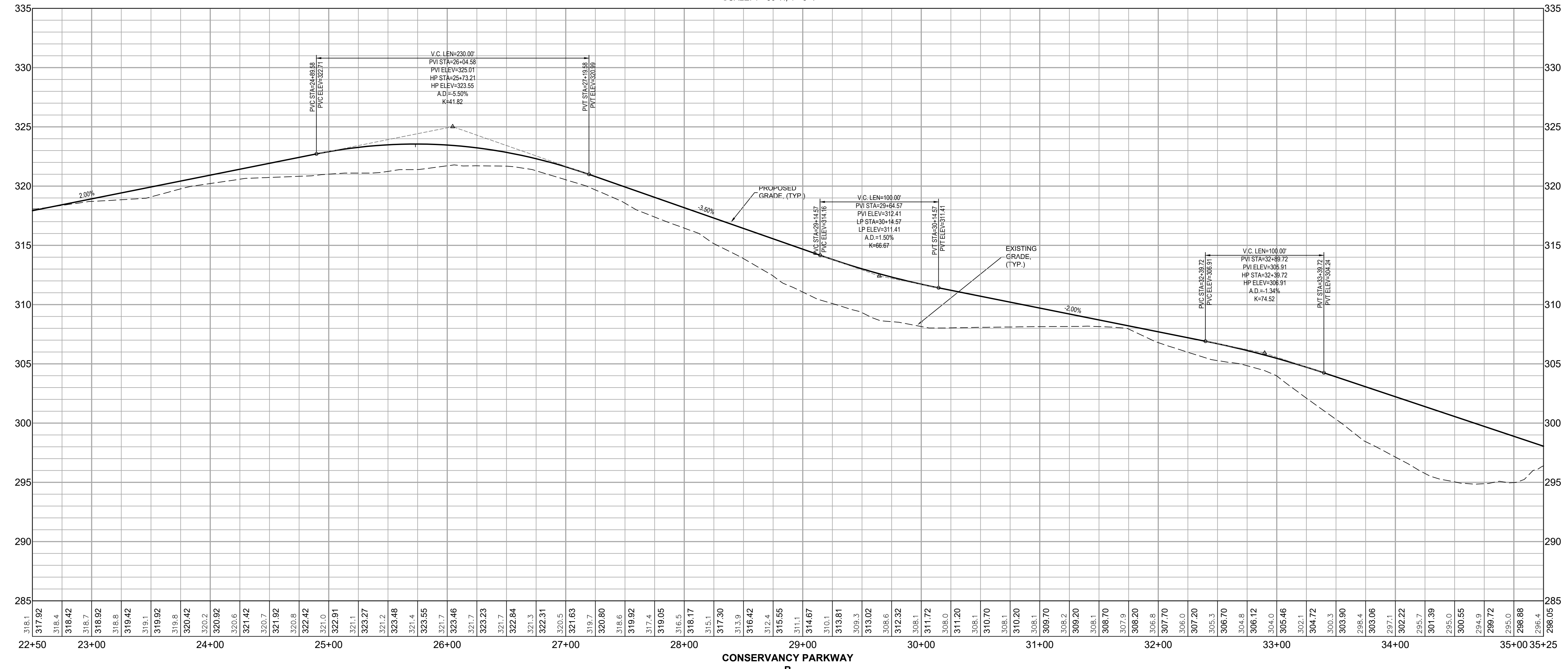
Sheet No: **RW-01**  
Of: 1





**CONSERVANCY PKWY  
PLAN & PROFILE**

SCALE: 1"=50' H, 1"=5' V



**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 1-800-632-4349. 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).
- NCDOT ASSUMES NO RESPONSIBILITY FOR OPERATION, MAINTENANCE OR LIABILITY OF THE STRUCTURAL STORMWATER BMP'S OR ANY DRAINAGE OUTSIDE OF THE RIGHT-OF-WAY.
- ALL GRATED INLETS IN DITCHES ARE TO BE NCDOT STD 840-17 OR 840-26 TYPE A 2GI NARROW SLOT INLETS.
- 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.

STORMWATER STRUCTURES			
Structure #	Top/Throat Elev	Inv In Elev	Inv Out Elev
A20R	312.35	309.00	309.00
A20L	312.35	308.50	308.50
A18L	315.45	306.70	306.70
A16L	315.50	304.60	304.60
A15L	312.90	303.80	303.80
A14L	306.45	302.45	302.45
A12L	296.40	293.60	293.60
A12R	296.00	288.00	288.00
A11R	289.00	287.50	287.50
B09R	282.00	280.50	280.50
B11R	275.50	271.50	271.50
B12R	268.50	264.50	264.50
B14R	267.50	262.70	262.70
B15R	265.00	261.00	261.00
B16R	263.50	259.50	259.50
B11L	280.00	275.00	275.00
A41R	267.97	267.97	266.82
A48R	265.60	265.60	265.20
A49R	266.95	264.45	264.45
A49L	266.95	263.95	263.95
A49LO	265.00	263.00	263.00
A53R	270.75	266.75	266.75
A52R	273.20	265.95	265.95
C11R	268.00	263.00	263.00
C11RI	265.20	263.70	263.70
C12L	261.00	262.00	262.00
C15R	267.50	266.00	266.00
C15L	267.50	264.50	264.50
C12LO	265.00	259.75	259.75
A10LI	284.15	284.15	284.15
A10RO	286.50	283.07	283.07

NO.	REVISIONS	DATE
1	REVISED PER CHATHAM COUNTY AND NCDOT COMMENTS	06/19/20
2	REVISED PER CHATHAM COUNTY EC & SW COMMENTS	06/12/20
3	REVISED PER CHATHAM COUNTY AND NCDOT COMMENTS	06/05/20

**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  
THE CONSERVANCY AT JORDAN LAKE  
CONSERVANCY PKWY PP2  
STA: 22+50 TO 35+25  
CHATHAM COUNTY, NC**

Date: JUNE 19, 2020  
Scale: 1" = 50' / 1" = 5'  
Drawn: JWA  
Checked: JRF  
Project No: 127-290  
Computer Dwg. Name: 127-290\_11-14-rw-01 to rw-04\_conservancy

Sheet No: **RW-02**  
Of -



**FINAL DESIGN  
NOT RELEASED  
FOR CONSTRUCTION**







