

CONSTRUCTION PLANS

FOR

THE LEGACY - PHASE 3

BIG WOODS ROAD

CHATHAM COUNTY, NORTH CAROLINA

MAY 14, 2019
 REVISED: AUGUST 2, 2019
 REVISED: AUGUST 9, 2019
 REVISED: AUGUST 28, 2019
 REVISED: SEPTEMBER 9, 2019
 REVISED: OCTOBER 1, 2019

OWNER / DEVELOPER

F-L LEGACY OWNER, LLC.
 500 BOYLSTON STREET, SUITE 2010
 BOSTON, MA 02116
 PHONE: (904) 203-8812
 CONTACT: MIKE MCCOLLUM
 EMAIL: MKM@FREEHOLDCOMMUNITIES.COM

ENGINEER / SURVEYOR

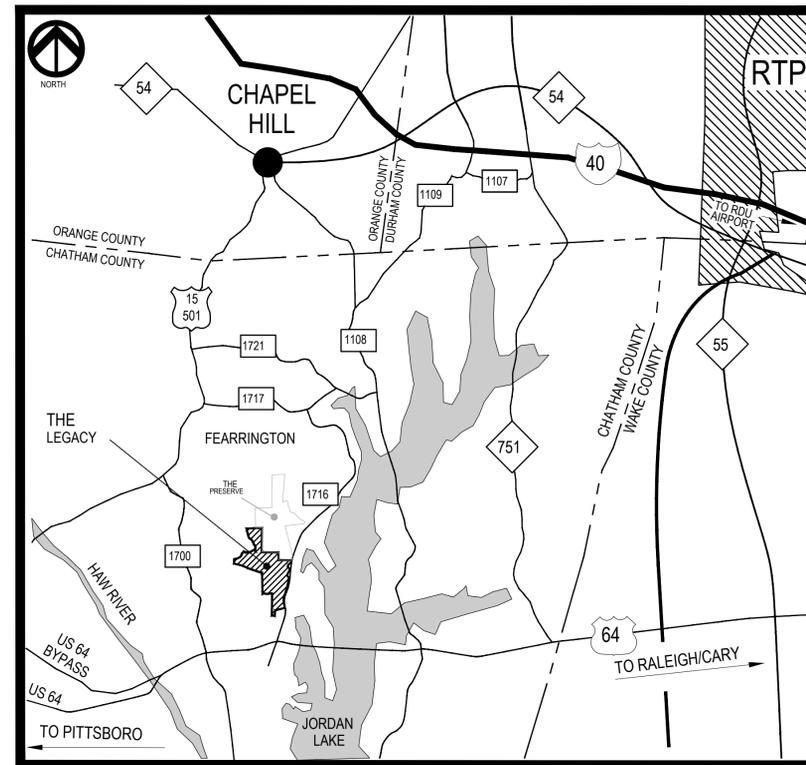
CE GROUP, INC.
 301 GLENWOOD AVENUE, SUITE 220
 RALEIGH, NC 27603
 PHONE: (919) 367-8790 EXT. 108
 CONTACT: MITCH CRAIG, PE
 EMAIL: MITCH@CEGROUPINC.COM

SITE DATA

SITE ADDRESS: COVERED BRIDGE TRAIL
 NC PIN: 9783-00-03-4916
 ZONING DISTRICT: R-1 (RESIDENTIAL)
 MUNICIPALITY: NEW HOPE
 EXISTING USE: VACANT
 PROPOSED USE: RESIDENTIAL
 NUMBER OF PROPOSED LOTS: 69
 FLOOD ZONE: X
 FEMA PANEL NUMBER: 3710978200J & 3710977300J, DATED: 02/02/07
 PROPOSED DISTURBED AREA: 30.22 AC.

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.
- BEFORE YOU DIG, STOP. CALL THE NC ONE-CALL CENTER AT 1-800-632-4949. IT'S THE LAW. EXISTING UTILITIES ARE SHOWN FROM THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THESE AND OTHER UTILITIES BEFORE STARTING CONSTRUCTION. NOTIFY UTILITY LOCATING COMPANY (ONE CALL @ 1-800-632-4949) OR INDIVIDUAL UTILITY OWNERS FOR UNDERGROUND LOCATIONS AT LEAST 48 HOURS IN ADVANCE.
- ALL WATER UTILITY CONSTRUCTION SHALL CONFORM TO THE CHATHAM COUNTY STANDARDS AND SPECIFICATIONS.
- ALL SANITARY SEWER UTILITY CONSTRUCTION SHALL CONFORM TO LATEST AQUA OF NORTH CAROLINA STANDARDS AND SPECIFICATIONS.
- THE SUBJECT PHASE IS NOT LOCATED IN A FLOOD HAZARD AREA PER FEMA MAP NUMBERS 3710978200J & 3710977300J, DATED 02/02/07.
- AQUA PERSONNEL SHALL BE NOTIFIED 48 HOURS BEFORE CONSTRUCTION IS TO BEGIN, ANY TESTING IS SCHEDULED, OR BEFORE ANY PIPE IS COVERED.
- ALL WATER MAINS SHALL HAVE A MINIMUM OF 3.0' OF COVER AS MEASURED FROM FINISHED GRADE AT THE LOCATION WHERE INSTALLED.
- ALL WATER MAINS SHALL BE OVER THE PRESSURE SEWER MAIN WITH A MINIMUM OF 18" SEPARATION.
- ALL WATER MAINS AND FORCE MAINS CROSSING UNDER STORM DRAINAGE PIPING SHALL BE CONSTRUCTED WITH ONE (1) JOINT OF DUCTILE IRON PIPE CENTERED ON THE STORM PIPE CROSSING.
- INSTREAM 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 BACKGROUND TOPOGRAPHY FROM AERIAL MAPPING.



VICINITY MAP
 1" = 1000'



CE GROUP
 301 GLENWOOD AVE, SUITE 220
 RALEIGH, NC 27603
 PHONE: 919-367-8790
 www.cegroupinc.com

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 AND NCDOT STANDARDS AND PROJECT-SPECIFIC
 SPECIFICATIONS DATED MAY 14TH.

NO.	REVISIONS	DATE
5	NCDEQ PWSS COMMENTS	10/01/2019
4	NCDEQ PWSS COMMENTS	09/09/2019
3	WATERLINE REVISIONS	08/28/2019
2	WATERLINE REVISIONS	08/09/2019
1	EROSION CONTROL & STORMWATER REVISIONS	09/02/2019

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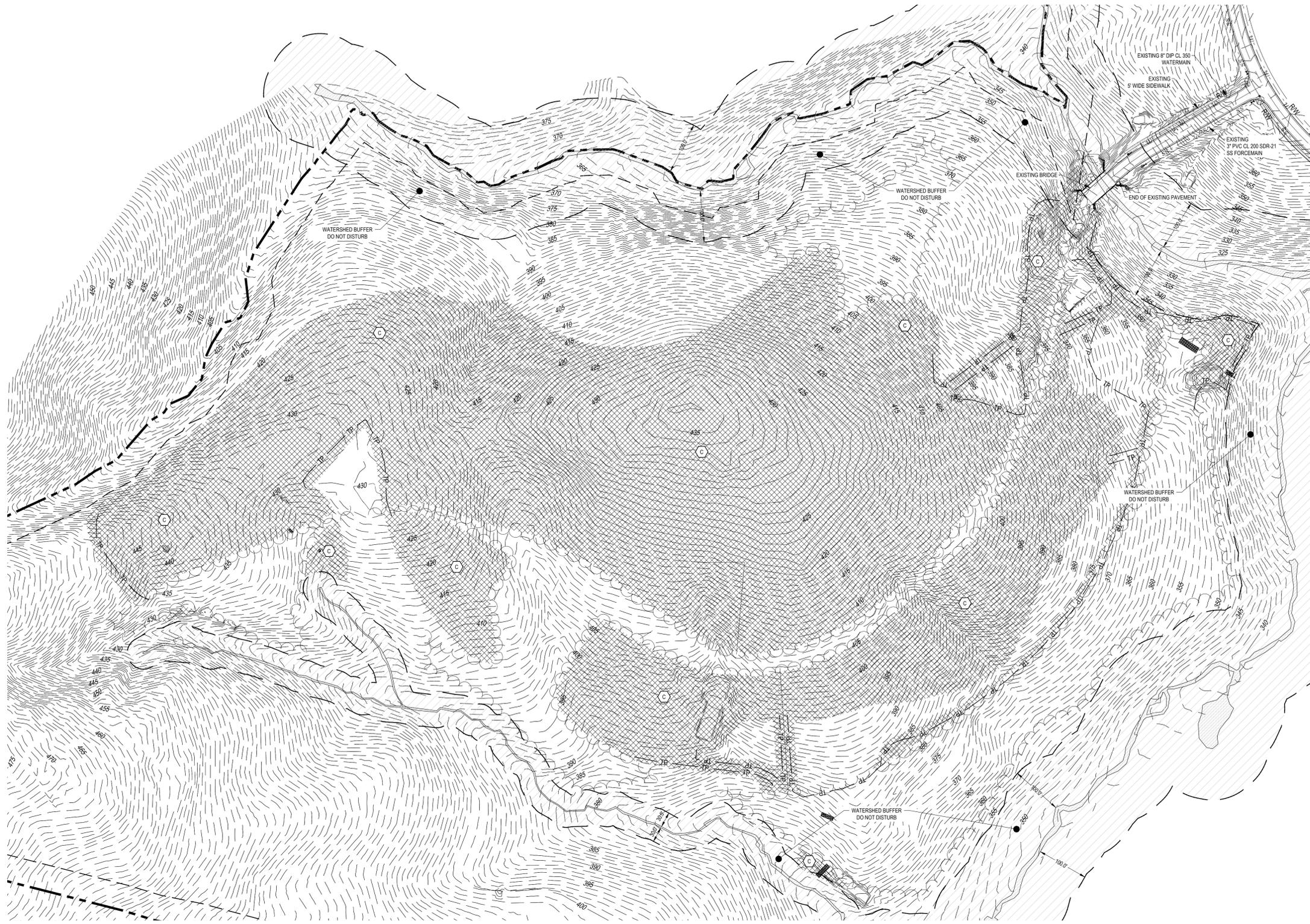
THE LEGACY - PHASE 3
 CONSTRUCTION PLANS
 COVER

COVERED BRIDGE TRAIL
 CHATHAM COUNTY, NORTH CAROLINA

Date:	05/14/2019
Scale:	
Drawn:	BWM
Checked:	JMC
Project No.:	330-03
Computer Dwg. Name:	330-03 COVER

Sheet No:
1

P:330 (Erebedd, Capelal)330-03 (Legacy - Phase 3)Design\Plans\Construction\Plans\330-03-2 EXISTING CONDITIONS.dwg PLOTTED: 10/20/2019 2:23 PM BY: JHUDSON



LEGEND

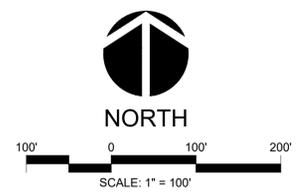
— RW —	PROPERTY LINE (PL)
—	RIGHT-OF-WAY LINE
—	SETBACK LINE
—	UTILITY EASEMENT
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- - - 139 - - -	EXISTING MINOR CONTOUR
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- - - w - - -	EXISTING WATER LINE
- - - sd - - -	EXISTING STORM DRAINAGE PIPE
- - - g - - -	EXISTING GAS LINE
- - - ohe - - -	EXISTING OVERHEAD ELECTRIC LINE
- - - uge - - -	EXISTING UNDERGROUND ELECTRIC LINE
- - - fo - - -	EXISTING FIBER OPTIC LINE
- - -	EXISTING GUARDRAIL
- - -	EXISTING FENCE
- - -	EXISTING TREE LINE
○	SURVEY BENCHMARK
○	PROPERTY CORNER/MONUMENT
EP	EX IRON PIN
ER	EX IRON REBAR
□	STORM CATCH BASIN
□	CATV BOX
□	ELECTRIC SWITCH
□	TRAFFIC SIGNAL HAND HOLE
□	FIRE HYDRANT
○	GLY WIRE
○	LIGHT POLE
○	SANITARY STRUCTURE
○	SANITARY CLEANOUT
○	STREET SIGN
○	ELECTRIC STRUCTURE
○	UTILITY POLE
○	EVERGREEN TREE
○	WATER VALVE
○	REINFORCED CONCRETE PIPE
○	PVC
○	BACK OF CURB
○	EDGE OF PAVEMENT
○	SIDEWALK
○	ASBESTOS CEMENT PIPE

GENERAL NOTES

- BOUNDARY & TOPOGRAPHIC INFORMATION TAKEN FROM A SURVEY PREPARED BY THE CE GROUP INC.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES AS SHOWN (IF ANY) IS APPROXIMATE ONLY. UTILITIES MAY EXIST WHICH ARE NOT SHOWN. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL PUBLIC OR PRIVATE UTILITIES WHICH LIE IN OR ADJACENT TO THE CONSTRUCTION SITE WITHIN THE LIMITS OF ANY GRADING OR EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AT HIS EXPENSE, ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.
- ANY ONSITE UTILITIES DESIGNATED TO BE RELOCATED, AS REQUIRED FOR CONSTRUCTION, WILL BE DONE AT OWNER'S EXPENSE. CONTRACTOR TO CONTACT CITY OF JACKSONVILLE AND ANY APPLICABLE UTILITY COMPANIES PRIOR TO RELOCATION.
- DAMAGE DONE TO ANY ITEMS NOT SHOWN IN THESE PLANS TO BE REMOVED, ADDED, OR REPLACED SHALL BE REPAIRED/REPLACED AT THE CONTRACTOR'S EXPENSE.
- EXISTING SOILS INFORMATION BASED ON DATA FROM USDA WEB SOIL SURVEY AND CHATHAM COUNTY GIS.

DEMOLITION KEYNOTES

- A REMOVE EXISTING 24" CURB AND GUTTER TO NEAREST JOINT TO ENSURE PROPER CONSTRUCTION WITH NEW CURB AND GUTTER
- B SAWCUT EXISTING PAVEMENT AT EDGE FOR CLEAN VERTICAL FACE (MIN. 2' FROM EXISTING EDGE OF PAVEMENT) CONTRACTOR TO ENSURE A SMOOTH VERTICAL FACE
- C EXISTING TREES TO BE REMOVED
- D REMOVE EXISTING BLOW-OFF AND CONNECT TO EXISTING WATERLINE (SEE PLAN AND PROFILE FOR MORE DETAILS)
- E EXISTING SANITARY SEWER CLEANOUT TO REMAIN



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NO.	REVISIONS	DATE
5	NCDEQ PWSS COMMENTS	10/01/2019
4	NCDEQ PWSS COMMENTS	09/09/2019
3	WATERLINE REVISIONS	08/28/2019
2	WATERLINE REVISIONS	09/09/2019
1	PROVISION CONTROL # 1 STORMWATER REVISIONS	09/02/2019

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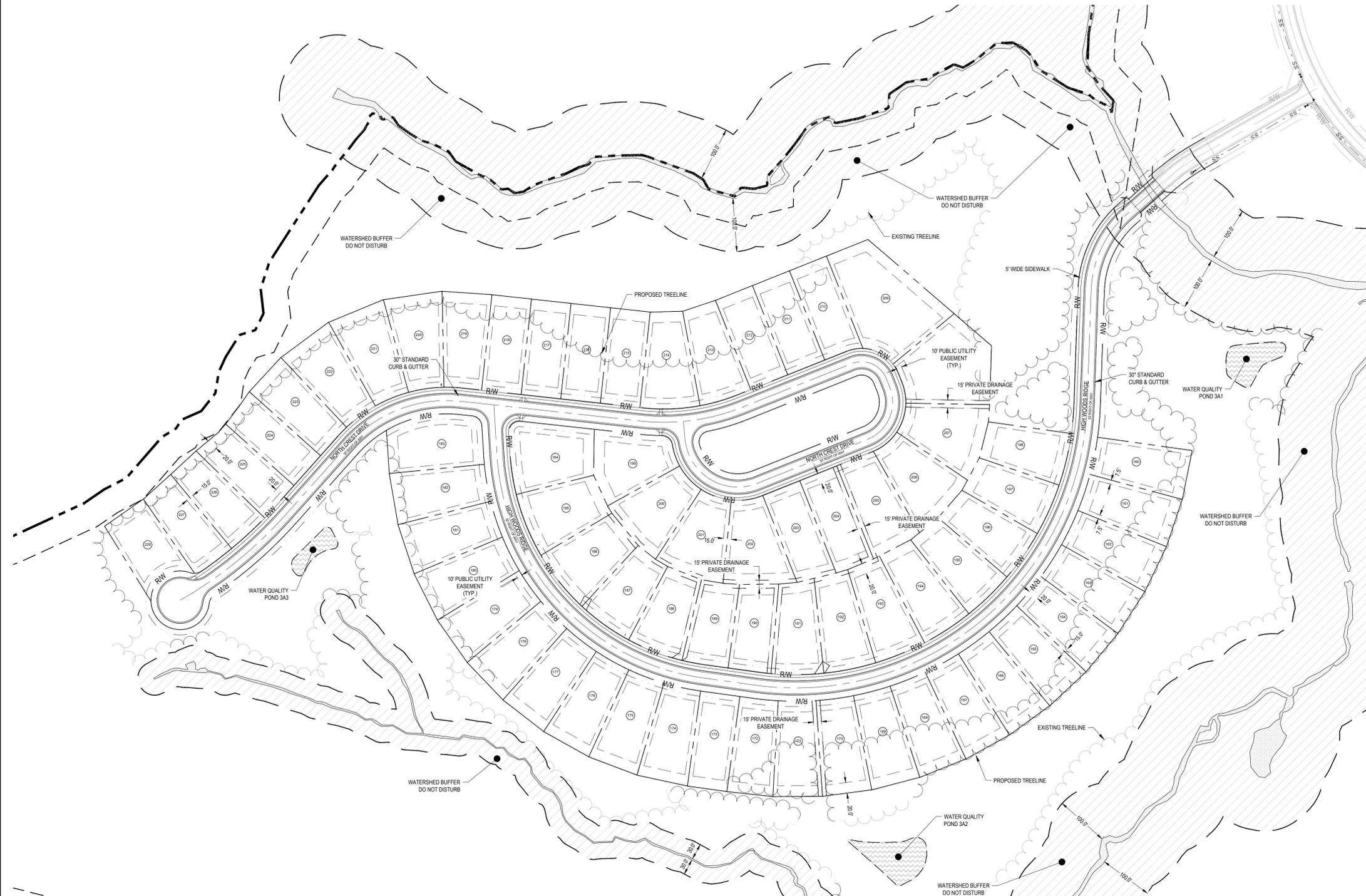


THE LEGACY - PHASE 3
CONSTRUCTION PLANS
EXISTING CONDITIONS
 COVERED BRIDGE TRAIL
 CHATHAM COUNTY, NORTH CAROLINA

Date:	05/14/2019
Scale:	1" = 100'
Drawn:	BWM
Checked:	JMC
Project No:	330-03
Computer Dwg. Name:	330-03 2 EXISTING CONDITIONS

Sheet No: **2**

P:\330 (Erembald) Chapel Hill\330-03 (Legacy Phase 3)\Design\Plans\Construction\Plans\330-03.1 LAYOUT PLAN - OVERALL.dwg PLOTTED: 10/22/2019 2:24 PM BY: HUDSON



LEGEND

---	PROPERTY LINE (PL)
---	ADJACENT PROPERTY LINE
---	RIGHT-OF-WAY LINE
---	SETBACK LINE
---	UTILITY EASEMENT
X X X X	PROPOSED FENCE
---	PROPOSED METAL GUARDRAIL
---	PROPOSED ORNAMENTAL FENCE
---	PROPOSED RETAINING WALL
---	PROPOSED ROLL CURB
⊙	PARKING COUNT
☐	LIGHT POLES
+	SIGN

SITE DATA

SITE ADDRESS: COVERED BRIDGE TRAIL
 NC PIN: 9783 - 00 - 03 - 4916
 ZONING DISTRICT: R-1 (RESIDENTIAL)
 MUNICIPALITY: NEW HOPE

EXISTING USE: VACANT
 PROPOSED USE: RESIDENTIAL
 NUMBER OF PROPOSED LOTS: 69

FLOOD ZONE: X
 FEMA PANEL NUMBER: 3710978200J & 3710977300J, DATED: 02/02/07

PROPOSED DISTURBED AREA: 30.03 AC.

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**THE LEGACY - PHASE 3
 CONSTRUCTION PLANS
 OVERALL LAYOUT PLAN**

COVERED BRIDGE TRAIL
 CHATHAM COUNTY, NORTH CAROLINA

Date: 05/14/2019
 Scale: 1" = 100'
 Drawn: BWM
 Checked: JMC
 Project No: 330-03
 Computer Dwg. Name: 330-03.3 LAYOUT PLAN - OVERALL

Sheet No: **3**

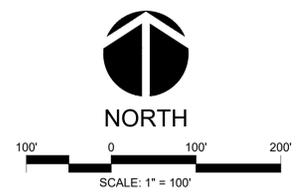
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- UNLESS EXPLICITLY SPECIFIED IN THESE PLANS, ALL CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST EDITION OF THE CHATHAM COUNTY ORDINANCE AND ALL OTHER APPLICABLE REGULATIONS AND GUIDELINES. IN THE EVENT OF A DISCREPANCY BETWEEN THIS APPROVED PLAN AND THE APPLICABLE REGULATIONS OR GUIDELINES, THE MORE STRINGENT SHALL APPLY.
- PROTECT ALL PROPERTY MONUMENTS AND PINS. MONUMENTS AND PINS THAT WILL BE DISTURBED DURING CONSTRUCTION SHALL BE REFERENCED AND REPLACED BY A LICENSED LAND SURVEYOR AT A COST TO THE CONTRACTOR.
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- IF DEPARTURES FROM THE DRAWINGS OR SPECIFICATIONS ARE DEEMED NECESSARY BY THE CONTRACTOR, DETAILS OF SUCH DEPARTURES AND REASONS THEREOF SHALL BE SUBMITTED IN WRITING TO THE OWNER FOR REVIEW. NO DEPARTURES FROM THE CONTRACT DOCUMENTS WILL BE ALLOWED WITHOUT APPROVAL BY THE OWNER.
- CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL PIPING AND PIPE INVERT ELEVATIONS PRIOR TO CONCEALMENT. DRAWINGS SHALL BE GIVEN TO THE OWNER UPON COMPLETION OF THE PROJECT.
- ANY AND ALL QUANTITIES SHOWN OR IMPLIED ON THE PLANS ARE FOR ESTIMATION PURPOSES ONLY.
- APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION IN WRITING MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS.
- NO SIGHT OBSTRUCTING, OR PARTIALLY OBSTRUCTING WALL, FENCE, FOLIAGE, BERM, SIGN, PARKED VEHICLE, OR OTHER OBJECT BETWEEN THE HEIGHTS OF TWO (2) FEET AND EIGHT (8) FEET ABOVE THE CURB LINE ELEVATION (OR THE EDGE OF PAVEMENT IF NO CURB EXISTS) SHALL BE PLACED WITHIN A SIGHT TRIANGLE.
- ALL RADI DIMENSIONS ARE TO FACE OF CURB AND HAVE A RADIUS OF 3' UNLESS OTHERWISE NOTED.
- ALL REQUIRED SIDEWALKS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUAL OF STANDARD DESIGNS AND DETAILS PRIOR TO ANY OCCUPANCY, INCLUDING TEMPORARY OCCUPANCY, OF NEW DEVELOPMENT. THE SPECIFIC DESIGN AND LOCATION OF ALL SIDEWALKS SHALL BE REVIEWED BY THE DIRECTOR OF PUBLIC WORKS. THE DIRECTOR OF PUBLIC WORKS MAY EXPAND THE REQUIRED WIDTH OF SIDEWALKS FROM THE MANUAL OF STANDARD DESIGNS AND DETAILS IN CERTAIN LOCATIONS OF THE CITY AND IN LIMITED CASES. REDUCE THE REQUIRED WIDTH OF SIDEWALKS TO AVOID OBSTRUCTIONS WHILE REMAINING IN COMPLIANCE WITH DIMENSIONAL STANDARDS OF THE AMERICANS WITH DISABILITIES ACT.
- ALL FORM WORK FOR CURB RAMPS TO BE INSPECTED AND APPROVED BY THE ENGINEER.

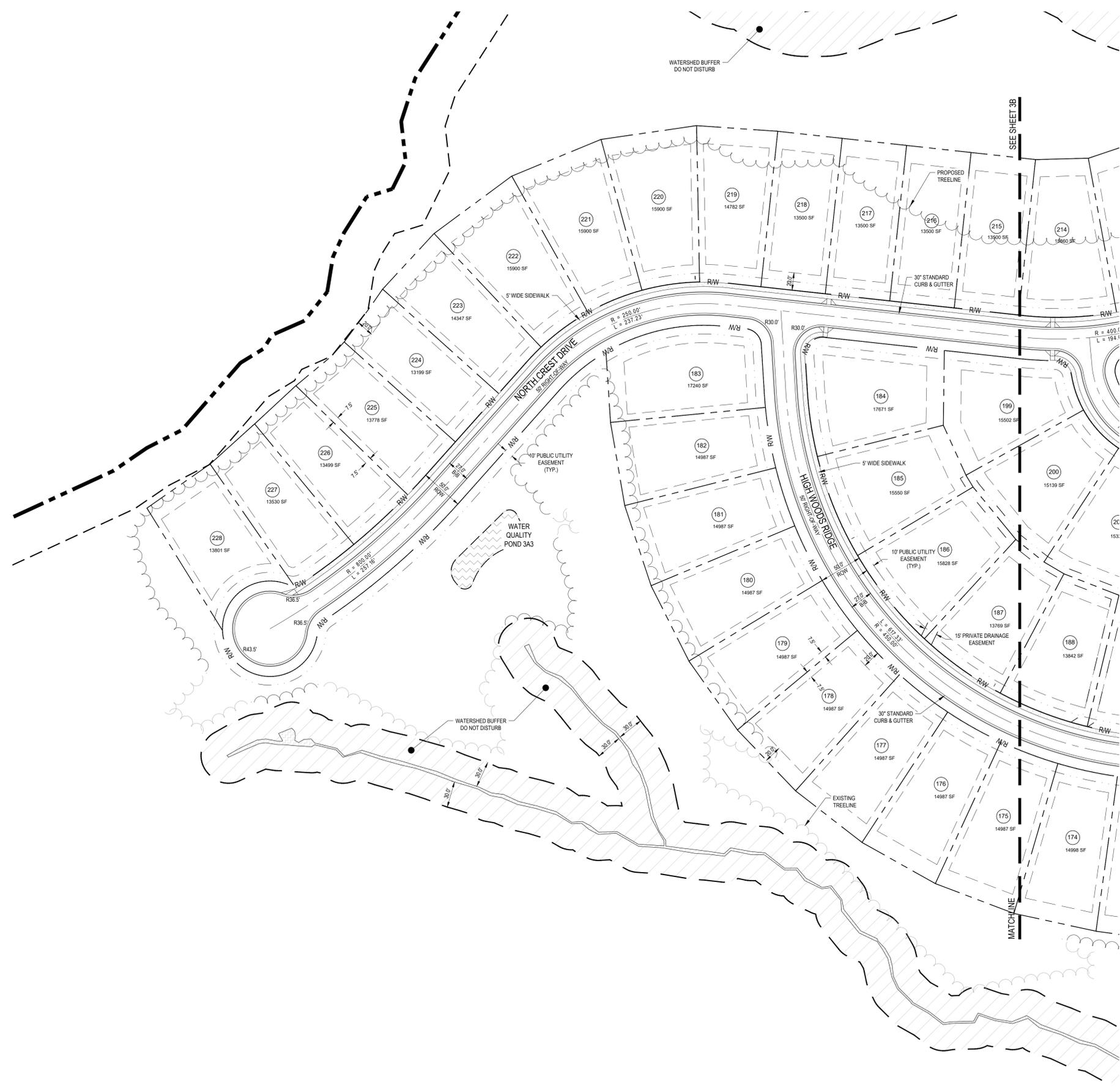
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P:\330 (Erinhold Capital)\330-03 Legacy Phase 3\Design\Plans\Construction\330-03_3A_LAYOUT PLAN - WEST.dwg PLOTTED: 10/20/19 2:24 PM BY: JHUDSON



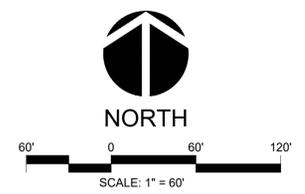
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- ALL WATER MAINS SHALL HAVE A MINIMUM OF 3' OF COVER AS MEASURED FROM FINISHED GRADE AT THE LOCATION WHERE INSTALLED.
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ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CHATHAM COUNTY, NCDEQ PWSS, AND NCDOT STANDARDS AND PROJECT-SPECIFIC SPECIFICATIONS DATED MAY 14TH.

NO.	REVISIONS	DATE
5	NCDEQ PWSS COMMENTS	10/01/2019
4	NCDEQ PWSS COMMENTS	09/09/2019
3	WATERLINE REVISIONS	08/28/2019
2	WATERLINE REVISIONS	08/09/2019
1	EROSION CONTROL & STORMWATER REVISIONS	09/02/2019

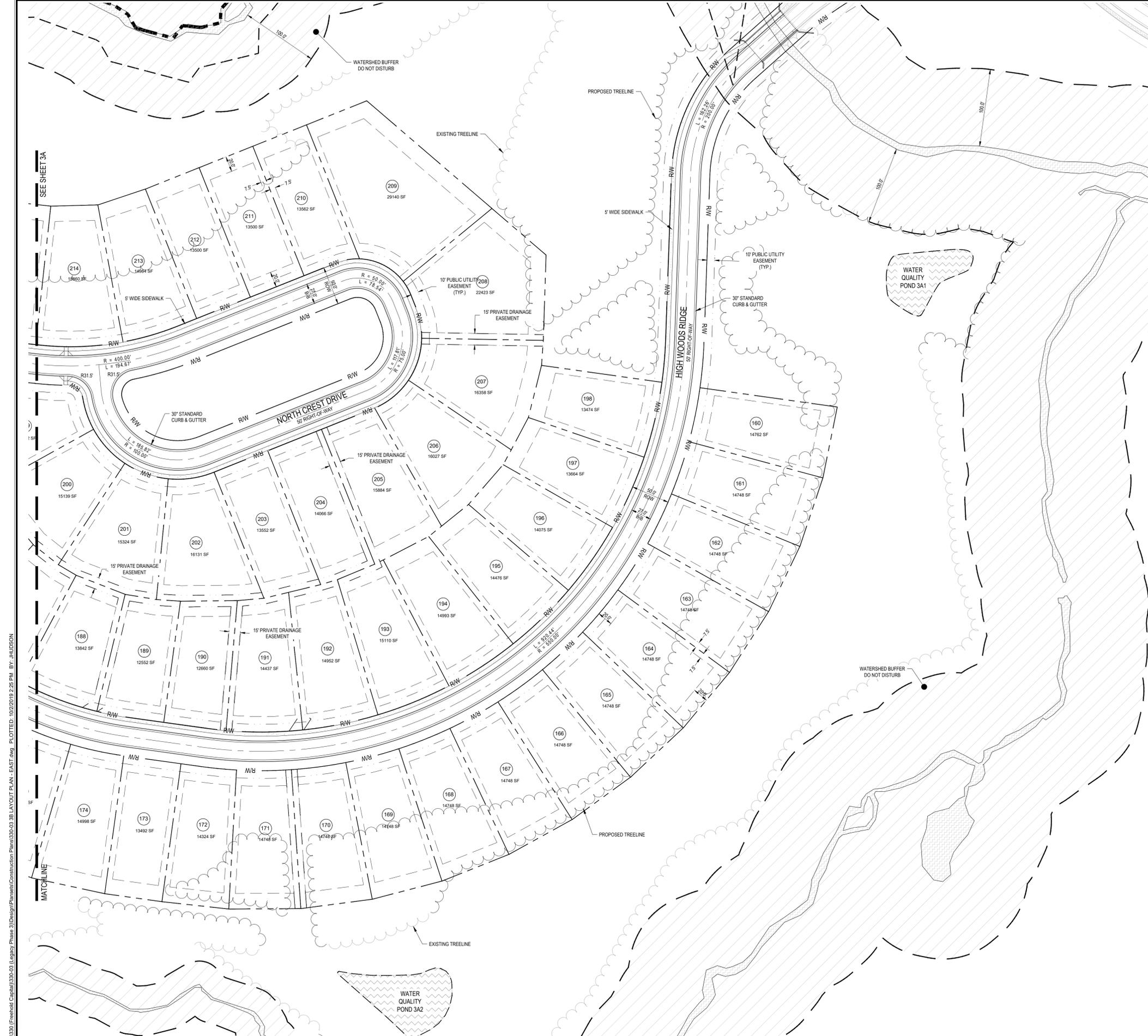
CE GROUP
 301 GLENWOOD AVE. 220
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 www.cegroupinc.com
 License # C-1739



**THE LEGACY - PHASE 3
 CONSTRUCTION PLANS
 ENLARGED LAYOUT PLAN - WEST**
 COVERED BRIDGE TRAIL
 CHATHAM COUNTY, NORTH CAROLINA

Date: 05/14/2019
 Scale: 1" = 60'
 Drawn: BWM
 Checked: JMC
 Project No: 330-03
 Computer Dwg. Name: 330-03_3A_LAYOUT PLAN - WEST

Sheet No:
3A



LEGEND

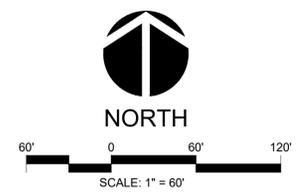
	PROPERTY LINE (PL)
	ADJACENT PROPERTY LINE
	RIGHT-OF-WAY LINE
	SETBACK LINE
	UTILITY EASEMENT
	PROPOSED FENCE
	PROPOSED METAL GUARDRAIL
	PROPOSED ORNAMENTAL FENCE
	PROPOSED RETAINING WALL
	PROPOSED STANDARD CURB
	PARKING COUNT
	LIGHT POLES
	SIGN

SITE NOTES

- BEFORE YOU DIG, STOP. CALL THE NC ONE-CALL CENTER AT 1-800-632-4949. IT'S THE LAW. EXISTING UTILITIES ARE SHOWN FROM THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THESE AND OTHER UTILITIES BEFORE STARTING CONSTRUCTION. NOTIFY UTILITY LOCATING COMPANY (ONE CALL @ 1-800-632-4949) OR INDIVIDUAL UTILITY OWNERS FOR UNDERGROUND LOCATIONS AT LEAST 48 HOURS IN ADVANCE.
- CONTRACTOR SHALL CONTACT ALL OWNERS OF EASEMENTS, RIGHT-OF-WAYS AND UTILITIES, PUBLIC OR PRIVATE, BEFORE WORKING IN THESE AREAS.
- CONTRACTOR SHALL PUT INTO PLACE SUCH TEMPORARY EROSION CONTROL MEASURES AS INDICATED ON THE PLANS. THESE MEASURES SHALL BE INSPECTED AND EVALUATED DURING CONSTRUCTION OPERATION FOR THEIR EFFECTIVENESS IN PREVENTING EROSION MATERIAL AND SEDIMENT FROM DISCHARGING FROM THE WORK AREA. IF REQUIRED, AND AS DIRECTED BY THE COUNTY INSPECTOR, ADDITIONAL TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTITUTED AND INSTALLED.
- UNLESS EXPLICITLY SPECIFIED IN THESE PLANS, ALL CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST EDITION OF THE CHATHAM COUNTY ORDINANCE AND ALL OTHER APPLICABLE REGULATIONS OR GUIDELINES. IN THE EVENT OF A DISCREPANCY BETWEEN THIS APPROVED PLAN AND THE APPLICABLE REGULATIONS OR GUIDELINES, THE MORE STRINGENT SHALL APPLY.
- PROTECT ALL PROPERTY MONUMENTS AND PINS. MONUMENTS AND PINS THAT WILL BE DISTURBED DURING CONSTRUCTION SHALL BE REFERENCED AND REPLACED BY A LICENSED LAND SURVEYOR AT A COST TO THE CONTRACTOR.
- CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SUCH THAT WORKMEN AND THE PUBLIC WILL BE PROTECTED FROM INJURY AND ADJOINING PROPERTY PROTECTED FROM DAMAGE.
- CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT AND AT LEAST ONCE A WEEK DURING CONSTRUCTION. DEBRIS SHALL BE DISPOSED OF IN A PROPER AND LEGAL MANNER. CONTRACTOR IS RESPONSIBLE FOR ANY FEES.
- CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING ITEM AND/OR MATERIAL DUE TO CONSTRUCTION OPERATIONS. ALL STREET SURFACES, UTILITY POLES, CULVERTS, DITCHES, CURB AND GUTTER OR OTHER STRUCTURES THAT ARE DISTURBED OR DAMAGED IN ANY MANNER AS A RESULT OF CONSTRUCTION SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROPRIATE SPECIFICATIONS.
- IF DEPARTURES FROM THE DRAWINGS OR SPECIFICATIONS ARE DEEMED NECESSARY BY THE CONTRACTOR, DETAILS OF SUCH DEPARTURES AND REASONS THEREOF SHALL BE SUBMITTED IN WRITING TO THE OWNER FOR REVIEW. NO DEPARTURES FROM THE CONTRACT DOCUMENTS WILL BE ALLOWED WITHOUT APPROVAL BY THE OWNER.
- CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL PIPING AND PIPE INVERT ELEVATIONS PRIOR TO CONCEALMENT. DRAWINGS SHALL BE GIVEN TO THE OWNER UPON COMPLETION OF THE PROJECT.
- ANY AND ALL QUANTITIES SHOWN OR IMPLIED ON THE PLANS ARE FOR ESTIMATION PURPOSES ONLY.
- APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION IN WRITING MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS.
- NO SIGHT OBSTRUCTING, OR PARTIALLY OBSTRUCTING WALL, FENCE, FOLIAGE, BERM, SIGN, PARKED VEHICLE, OR OTHER OBJECT BETWEEN THE HEIGHTS OF TWO (2) FEET AND EIGHT (8) FEET ABOVE THE CURB LINE ELEVATION (OR THE EDGE OF PAVEMENT IF NO CURB EXISTS) SHALL BE PLACED WITHIN A SIGHT TRIANGLE.

GENERAL CONSTRUCTION NOTES

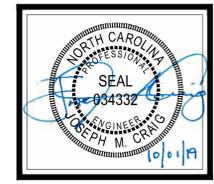
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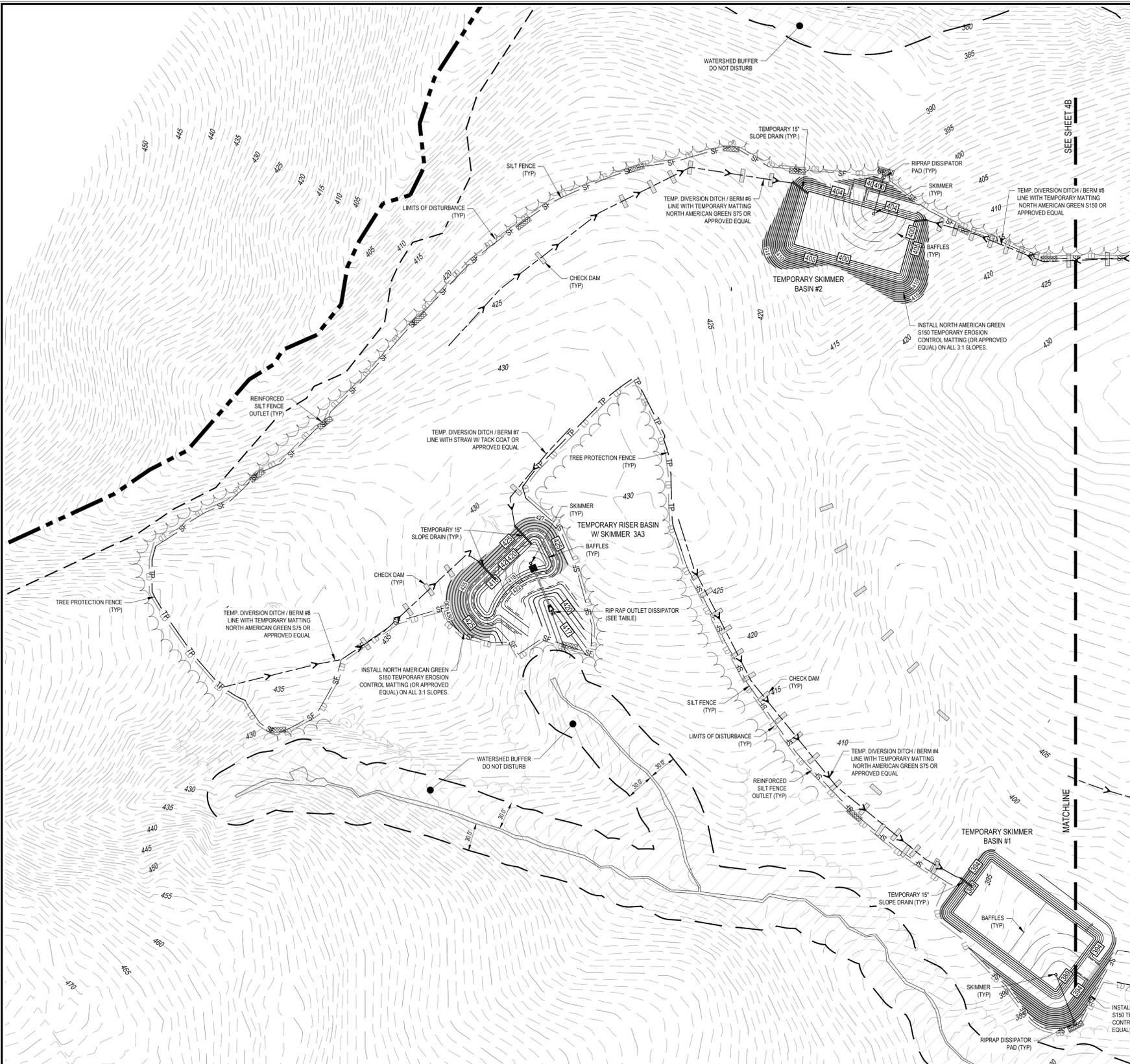
**THE LEGACY - PHASE 3
 CONSTRUCTION PLANS
 ENLARGED LAYOUT PLAN - WEST**
 COVERED BRIDGE TRAIL
 CHATHAM COUNTY, NORTH CAROLINA

Date:	05/14/2019
Scale:	1" = 60'
Drawn:	BWM
Checked:	JMC
Project No.:	330-03
Computer Dwg. Name:	330-03 3B LAYOUT PLAN - EAST

Sheet No:
3B

P: 330 (Erehold Capital) 330-03 (Legacy Phase 3) Design/Planets/Construction Plans/330-03 3B LAYOUT PLAN - EAST.dwg PLOTTED: 10/22/2019 2:25 PM BY: HUDSON

P:330 (Erehabd) Capable/330-03 (Legacy) Phase 3 Design/Plans/Construction Plans/330-03-4A EROSION CONTROL PLAN - WEST STAGE 1.dwg PLOTTED: 10/20/2019 2:28 PM BY: JHLDSON



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- 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.
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- WHERE GRAVITY SEWER LINES ARE DIP DUE TO VERTICAL SEPARATION REQUIREMENTS, THE DIP GRAVITY SEWER LINE SEGMENTS SHALL BE HYDROSTATICALLY TESTED WITH WATER TO ENSURE JOINT TIGHTNESS.

LEGEND

- RW RIGHT-OF-WAY LINE
- SETBACK LINE
- UTILITY EASEMENT
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
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- RIP-RAP OUTLET DISSIPATOR
- CURB INLET SILT SOCK
- CONSTRUCTION ENTRANCE
- EROSION CONTROL MATTING

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>

EROSION CONTROL SEQUENCE - STAGE 1

- OBTAIN GRADING PERMIT / FINAL APPROVAL FROM CHATHAM COUNTY ENVIRONMENTAL QUALITY DEPARTMENT.
 - CONTACT THE CHATHAM COUNTY EROSION CONTROL SECTION AT 919-542-8288 TO SET UP A PRE-CONSTRUCTION MEETING PRIOR TO ANY LAND DISTURBANCE WORK PERFORMED.
 - THE CONTRACTOR SHALL KEEP A COPY OF THE APPROVED EROSION CONTROL PLANS ON SITE AT ALL TIMES.
 - DELINEATE THE PROPOSED TREELINE/DISTURBED LIMIT LINE AND INSTALL ALL PROPOSED SILT FENCING THROUGHOUT THE ENTIRE PROJECT AREA ALONG WITH TEMPORARY CONSTRUCTION ENTRANCE.
 - INSTALL TEMPORARY SILT FENCE OUTLETS IN ALL LOCATIONS AS SHOWN ON THE PLANS.
 - ONCE THE PREVIOUS MEASURES ARE INSTALLED, CLEAR ONLY AS REQUIRED TO INSTALL TEMPORARY SKIMMER BASINS, TEMPORARY DIVERSION BERMS/ DITCHES, AND OTHER TEMPORARY MEASURES AS SHOWN ON THE APPROVED PLAN.
 - INSTALL CHECK DAMS AND TEMPORARY MATTING IN TEMPORARY DIVERSION DITCHES.
 - THE CONTRACTOR SHALL STABILIZE ALL DIVERSIONS, AND RISER/SKIMMER BASINS IMMEDIATELY UPON THEIR CONSTRUCTION.
 - ALL MEASURES SHALL BE INSTALLED AND INSPECTED FOR COMPLIANCE PRIOR TO COMMENCEMENT OF ANY PROPOSED R.O.W. CLEARING/GROBING AND EXCAVATION.
 - STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISHED GRADE WITH VEGETATION.
 - CALL FOR AN INSPECTION FOR COMPLIANCE PRIOR TO ANY ADDITIONAL CLEARING. IF SITE IS APPROVED, PROCEED TO STAGE 2.
- *CONTRACTOR TO REESTABLISH TEMPORARY DIVERSION SWALES AT THE END OF EACH DAY TO ENSURE DRAINAGE TO THE APPROPRIATE STRUCTURE.

EROSION CONTROL 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 OR 30 CALENDAR DAYS (WHICHEVER IS SHORTER), 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.
- MAXIMUM GRADED SLOPE SHALL NOT EXCEED THREE (3) TO ONE (1).
- THIS PHASE IS NOT LOCATED WITHIN 100 YEAR FLOOD PLAN ACCORDING TO FEMA MAP NUMBER 3710977300J, DATED 02/02/2007.
- SEE SHEET 9A, 9B, & 9C FOR EROSION CONTROL DETAILS.

LIMITS OF DISTURBANCE
(1,316,408 SF = 30.22 AC.)

RIPRAP OUTLET DISSIPATOR TABLE - PHASE 3

OUTLET ID	PIPE DIA. (IN)	Q ₂₅ DISCHARGE (CFS)	APRON LENGTH (FT)	APRON WIDTH (FT)	APRON THICKNESS (IN)	d ₅₀ ROCK SIZE (IN)	RIPRAP CLASS
3A1 OUTLET	30	45.37	15	7.5	18	8	B
3A2 OUTLET	36	55.66	30	9	31.5	14	2
3A3 OUTLET	15	7.79	5	3.75	9	4	A

Basin ID	Drainage Area	Disturbed Area	Storage Volume (CF)		Surface Area (SF)		Bottom Dimensions (ft.)			Top Dimensions (ft.)			Emergency Spillway (ft.)		Skimmer Sizing		Baffle Locations		
			Required	Provided	Required	Provided	Length	Width	Bottom Elevation	Length	Width	Elevation	Length	Elevation	Head (in.)	Orifice Dia. (in.)	(Distance from Invert of Weir, ft.)		
TRB 3A1 - STAGE 1	4.05	3.58	12,875	39,709	7,290	18,244	See Plan		334.50	See Plan		341.50	20	340.00	4.00	3.25	15	30	45
TRB 3A2 - STAGE 1	6.66	6.10	21,966	39,289	11,990	18,441	See Plan		371.50	See Plan		378.00	25	376.50	4.00	3.23	20	40	60
TRB 3A3 - STAGE 1	1.64	1.31	4,711	7,352	2,640	3,602	See Plan		418.00	See Plan		422.50	8	421.00	2.00	1.67	7	14	21
TSB 1 - STAGE 1	4.99	4.97	17,908	39,670	8,970	12,940	140	70	389.00	160	90	394.00	25	392.50	4.00	3.24	15	30	45
TSB 2	3.80	3.59	12,938	20,330	6,840	9,100	120	60	400.00	136	76	404.00	15	402.50	3.00	2.50	10	20	30

NORTH

SCALE: 1" = 60'

STOP!
BEFORE YOU DIG CALL
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IT'S THE LAW!

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THE LEGACY - PHASE 3
CONSTRUCTION PLANS
EROSION CONTROL PLAN - WEST
STAGE 1
COVERED BRIDGE TRAIL
CHATHAM COUNTY, NORTH CAROLINA

Date: 05/14/2019
Scale: 1" = 60'
Drawn: BWM
Checked: JMC
Project No: 330-03
Computer Dwg. Name: 330-03-4A EROSION CONTROL PLAN - WEST STAGE 1
Sheet No: **4A**

P:330 (Embedd Capable)\\330-03 (Legacy) Phase 3\\Design\\Plans\\Construction\\Plans\\330-03-4B EROSION CONTROL PLAN - EAST STAGE 1.dwg PLOTTED: 10/22/2019 2:28 PM BY: JHUDSON



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 - CONTACT THE CHATHAM COUNTY EROSION CONTROL SECTION AT 919-542-8288 TO SET UP A PRE-CONSTRUCTION MEETING PRIOR TO ANY LAND DISTURBANCE WORK PERFORMED.
 - THE CONTRACTOR SHALL KEEP A COPY OF THE APPROVED EROSION CONTROL PLANS ON SITE AT ALL TIMES.
 - DELINEATE THE PROPOSED TREELINE/DISTURBED LIMIT LINE AND INSTALL ALL PROPOSED SILT FENCING THROUGHOUT THE ENTIRE PROJECT AREA ALONG WITH TEMPORARY CONSTRUCTION ENTRANCE.
 - INSTALL TEMPORARY SILT FENCE OUTLETS IN ALL LOCATIONS AS SHOWN ON THE PLANS.
 - ONCE THE PREVIOUS MEASURES ARE INSTALLED, CLEAR ONLY AS REQUIRED TO INSTALL TEMPORARY SKIMMER BASINS, TEMPORARY DIVERSION BERMS/DITCHES, AND OTHER TEMPORARY MEASURES AS SHOWN ON THE APPROVED PLAN.
 - INSTALL CHECK DAMS AND TEMPORARY MATTING IN TEMPORARY DIVERSION DITCHES.
 - THE CONTRACTOR SHALL STABILIZE ALL DIVERSIONS, AND RISERS/SKIMMER BASINS IMMEDIATELY UPON THEIR CONSTRUCTION.
 - ALL MEASURES SHALL BE INSTALLED AND INSPECTED FOR COMPLIANCE PRIOR TO COMMENCEMENT OF ANY PROPOSED R.O.W. CLEARING/GRUBBING AND EXCAVATION.
 - STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISHED GRADE WITH VEGETATION.
 - CALL FOR AN INSPECTION FOR COMPLIANCE PRIOR TO ANY ADDITIONAL CLEARING. IF SITE IS APPROVED, PROCEED TO STAGE 2.
- *CONTRACTOR TO REESTABLISH TEMPORARY DIVERSION SWALES AT THE END OF EACH DAY TO ENSURE DRAINAGE TO THE APPROPRIATE STRUCTURE.

EROSION CONTROL NOTES

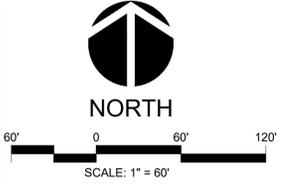
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.
- SUFFICIENT EROSION CONTROL PRACTICES MUST BE INSTALLED AND MAINTAINED TO RETAIN SEDIMENT WITHIN THE BOUNDARIES OF THE SITE. GROUND COVER STABILIZATION SHALL BE IN ACCORDANCE WITH NPDES PERMIT AND STABILIZATION CHART ABOVE. 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 OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER), 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.
- MAXIMUM GRADED SLOPE SHALL NOT EXCEED THREE (3) TO ONE (1).
- THIS PHASE IS NOT LOCATED WITHIN 100 YEAR FLOOD PLAIN ACCORDING TO FEMA MAP NUMBER 3710977300J, DATED 02/02/2007.
- SEE SHEET 9A, 9B, & 9C FOR EROSION CONTROL DETAILS.

RIPRAP OUTLET DISSIPATOR TABLE - PHASE 3

OUTLET ID	PIPE DIA. (IN)	Q ₂₅ DISCHARGE (CFS)	APRON LENGTH (FT)	APRON WIDTH (FT)	APRON THICKNESS (IN)	d ₅₀ ROCK SIZE (IN)	RIPRAP CLASS
3A1 OUTLET	30	45.37	15	7.5	18	8	B
3A2 OUTLET	36	55.66	30	9	31.5	14	2
3A3 OUTLET	15	7.79	5	3.75	9	4	A

LIMITS OF DISTURBANCE
(1,316,408 SF = 30.22 AC.)

Basin ID	Drainage Area	Disturbed Area	Storage Volume (CF)		Surface Area (SF)		Bottom Dimensions (ft.)			Top Dimensions (ft.)			Emergency Spillway (ft.)		Skimmer Sizing		Baffle Locations		
			Required	Provided	Required	Provided	Length	Width	Bottom Elevation	Length	Width	Elevation	Length	Elevation	Head (in.)	Orifice Dia. (in.)	(Distance from Invert of Weir, ft.)		
TRB 3A1 - STAGE 1	4.05	3.58	12,875	39,709	7,290	18,244	Sec Plan		334.50	Sec Plan		341.50	20	340.00	4.00	3.25	15	30	45
TRB 3A2 - STAGE 1	6.66	6.10	21,966	39,289	11,990	18,441	Sec Plan		371.50	Sec Plan		378.00	25	376.50	4.00	3.23	20	40	60
TRB 3A3 - STAGE 1	1.64	1.31	4,711	7,352	2,640	3,602	Sec Plan		418.00	Sec Plan		422.50	8	421.00	2.00	1.67	7	14	21
TSB 1 - STAGE 1	4.99	4.97	17,908	39,670	8,970	12,940	140	70	389.00	160	90	394.00	25	392.50	4.00	3.24	15	30	45
TSB 2	3.80	3.59	12,938	20,330	6,840	9,100	120	60	400.00	136	76	404.00	15	402.50	3.00	2.50	10	20	30



ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CHATHAM COUNTY, NCDEQ PWSS, AND NCDOT STANDARDS AND PROJECT-SPECIFIC SPECIFICATIONS DATED MAY 14TH.

NO.	REVISIONS	DATE
1	EROSION CONTROL PLAN - STORMWATER REVISIONS	09/02/2019
2	WATERLINE REVISIONS	08/28/2019
3	WATERLINE REVISIONS	08/28/2019
4	NCDEQ PWSS COMMENTS	09/09/2019
5	NCDEQ PWSS COMMENTS	10/01/2019

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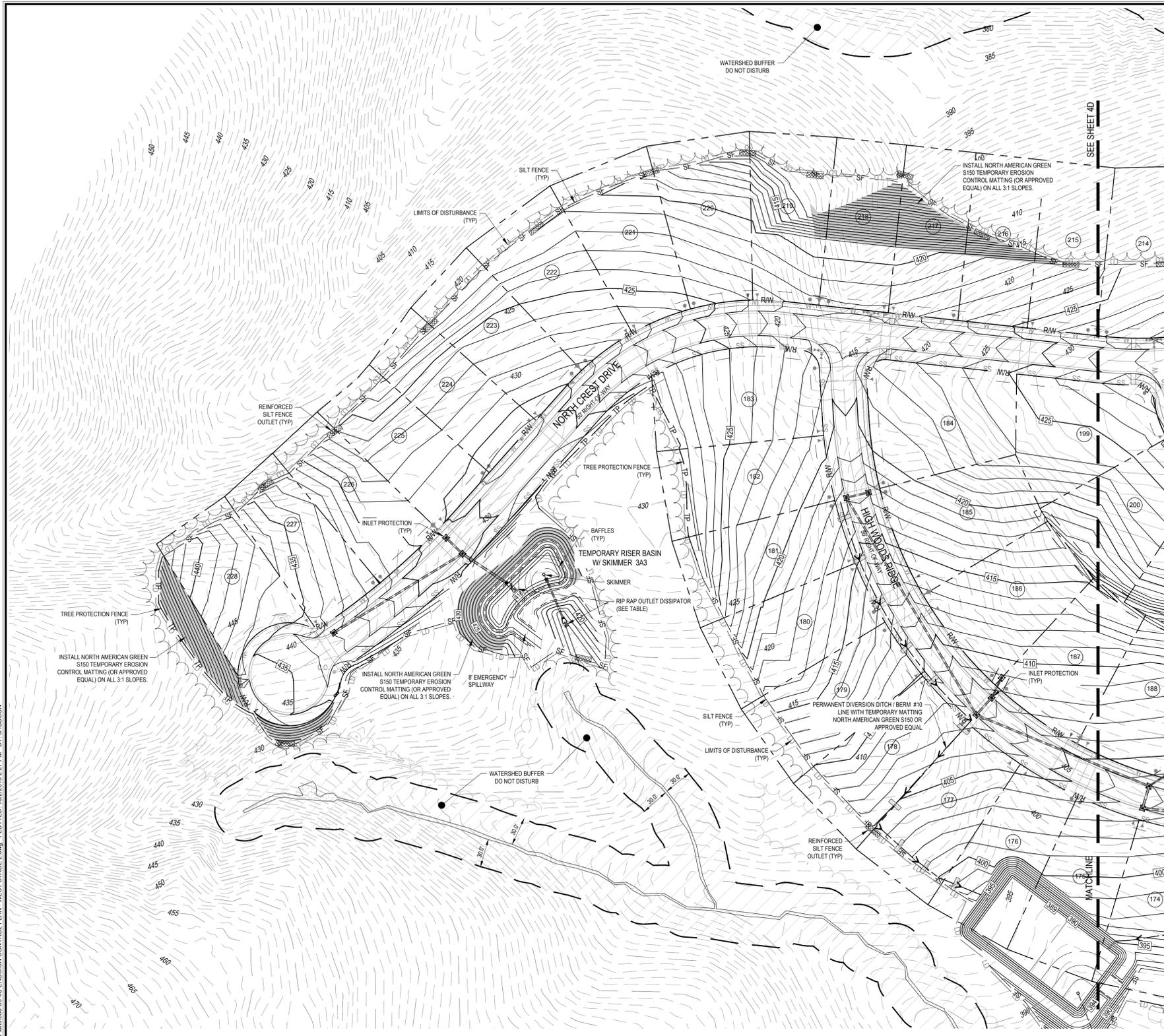


THE LEGACY - PHASE 3
CONSTRUCTION PLANS
EROSION CONTROL PLAN - EAST
STAGE 1
COVERED BRIDGE TRAIL
CHATHAM COUNTY, NORTH CAROLINA

Date: 05/14/2019
Scale: 1" = 60'
Drawn: BWM
Checked: JMC
Project No: 330-03
Computer Dwg. Name: 330-03-4B EROSION CONTROL PLAN - EAST STAGE 1

Sheet No: **4B**

P:330 (Embedd Capable)\\330-03 (Legacy Phase 3)Design\Plans\Construction\Plan\330-03-4C EROSION CONTROL PLAN - WEST STAGE 2.dwg PLOTTED: 10/22/2019 2:27 PM BY: JHLDSON



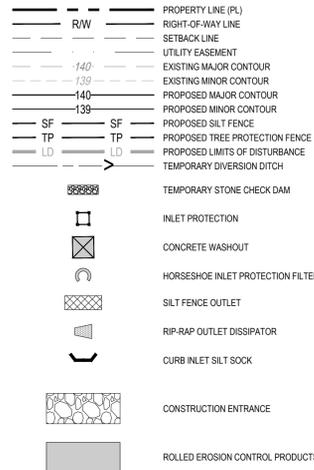
TEMPORARY SKIMMER BASINS

Basin ID	Drainage Area	Disturbed Area	Storage Volume (CF)		Surface Area (SF)		Bottom Dimensions (ft.)			Top Dimensions (ft.)			Emergency Spillway (ft.)		Skimmer Sizing		Baffle Locations		
			Required	Provided	Required	Provided	Length	Width	Bottom Elevation	Length	Width	Elevation	Length	Elevation	Head (in.)	Orifice Dia. (in.)	Distance from Invert of Weir, ft.		
TRB 3A1 - STAGE 2	9.96	8.17	29,421	39,709	17,930	18,244	See Plan		334.50	See Plan		341.50	20	340.00	4.00	3.25	15	30	45
TRB 3A2 - STAGE 2	9.83	9.14	32,898	39,289	17,710	18,441	See Plan		371.50	See Plan		378.00	25	376.50	4.00	3.23	20	40	60
TRB 3A3 - STAGE 2	1.89	1.56	5,612	7,352	3,410	3,602	See Plan		418.00	See Plan		422.50	8	421.00	2.00	1.67	7	14	21
TSB 1	5.66	5.66	20,389	39,670	10,200	12,940			140	70	390.00	160	90	395.00	4.00	3.24	15	30	45

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.
- ALL WATER UTILITY CONSTRUCTION SHALL CONFORM TO THE CHATHAM COUNTY STANDARDS AND SPECIFICATIONS.
- ALL SANITARY SEWER UTILITY CONSTRUCTION SHALL CONFORM TO LATEST AQUA OF NORTH CAROLINA STANDARDS AND SPECIFICATIONS.
- THE SUBJECT PROPERTY IS LOCATED IN A FLOOD HAZARD AREA PER FEMA FIRM PANEL 9773, MAP NUMBER 3710977300J, DATED 02/02/07, & FEMA FIRM PANEL 9782, MAP NUMBER 3710978200J, DATED 02/02/07.
- AQUA PERSONNEL SHALL BE NOTIFIED 48 HOURS BEFORE CONSTRUCTION IS TO BEGIN. ANY TESTING IS SCHEDULED, OR BEFORE ANY PIPE IS COVERED.
- ALL WATER MAINS SHALL HAVE A MINIMUM OF 3.0' OF COVER AS MEASURED FROM FINISHED GRADE AT THE LOCATION WHERE INSTALLED.
- ALL WATER MAINS SHALL BE OVER THE SEWER MAIN AND SERVICES WITH A MINIMUM OF 18" SEPARATION.
- ALL WATER MAINS AND FORCE MAINS CROSSING UNDER STORM DRAINAGE PIPING SHALL BE CONSTRUCTED WITH ONE (1) JOINT OF DUCTILE IRON PIPE CENTERED ON THE STORM PIPE CROSSING.
- INSTREAM 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 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).
- WHERE GRAVITY SEWER LINES ARE DIP DUE TO VERTICAL SEPARATION REQUIREMENTS, THE DIP GRAVITY SEWER LINE SEGMENTS SHALL BE HYDROSTATICALLY TESTED WITH WATER TO ENSURE JOINT TIGHTNESS.

LEGEND



NCDENR SELF-INSPECTION PROGRAM

THE SEDIMENTATION POLLUTION CONTROL ACT WAS AMENDED IN 2006 TO REQUIRE THAT PERSONS RESPONSIBLE FOR LAND-DISTURBING ACTIVITIES REGISTER 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>

EROSION CONTROL SEQUENCE - STAGE 2

- ONCE APPROVAL FOR PHASE 1 IS OBTAINED BEGIN CLEARING AND GRUBBING OF REMAINING DISTURBED AREAS AS SHOWN ON APPROVED PLAN.
 - BEGIN EARTH MOVING OPERATIONS. INSTALL RETAINING WALLS IN CUT AREAS IMMEDIATELY AS MATERIAL IS BEING REMOVED. INSTALL RETAINING WALLS IN FILL AREAS AS SITE COMES TO FINAL GRADE. TSB 1 AND TSB 2 ARE TO BE REMOVED AND EVENTUALLY FILLED TO FINAL GRADE. CHATHAM COUNTY IS TO BE NOTIFIED PRIOR TO REMOVAL OF TEMPORARY SKIMMER BASINS 1 & 2.
 - BEGIN INSTALLATION OF NEW STORM DRAINAGE NETWORKS AND SITE UTILITIES AS SITE IS BEING BROUGHT UP TO FINAL GRADE.
 - ONCE THE PIPES FOR STORM SYSTEM A AND B ARE COMPLETE, INSTALL STAGE 2 TEMPORARY DIVERSION BERMS/ DITCHES AND OTHER TEMPORARY MEASURES. INSTALL CHECK DAMS IN EACH AND STABILIZE WITH PERMANENT MATTING IMMEDIATELY.
 - COMPLETE THE INSTALLATION OF THE STORM DRAINAGE NETWORK AS THE SITE COMES TO FINAL GRADE. PLACE INLET PROTECTION AND HORSESHOE INLET PROTECTION AROUND STORM DRAINAGE STRUCTURES ONCE THEY ARE COMPLETED.
 - BRING SITE TO FINAL GRADE AND BEGIN EXCAVATION OF ROADWAYS.
 - CONSTRUCT CURB AND GUTTER AND STONE BASE TO PREP FOR PAVING. INSTALL SIDEWALKS. SEED/SOD AND INSTALL LANDSCAPING ALONG WITH ANY OTHER PERMANENT GROUND COVER.
 - SEED AND MULCH ALL DENUDED AREAS WITHIN 15 WORKING DAYS OF COMPLETION OF ANY PHASE OF CONSTRUCTION. EROSION CONTROL MATTING IS TO BE INSTALLED ON SLOPES 3:1 OR GREATER IMMEDIATELY AFTER SEEDING.
 - PAVE ROADS.
 - REQUEST FINAL APPROVAL BY ENVIRONMENTAL INSPECTOR. IF THE INSPECTOR IS SATISFIED WITH UPSTREAM PERMANENT GROUND COVER, BEGIN REMOVING TEMPORARY EROSION CONTROL MEASURES.
 - AFTER STABILIZATION HAS OCCURRED REMOVE SEDIMENT FROM RISER BASIN WATER QUALITY POND AND CONVERT TO PERMANENT STRUCTURE. ALL WATER IS TO BE PUMPED TO SILT BAG BEFORE DISCHARGING FROM SITE (SEE DETAIL SHEET 9C).
- *CONTRACTOR TO REESTABLISH TEMPORARY DIVERSION SWALES AT THE END OF EACH DAY TO ENSURE DRAINAGE TO THE APPROPRIATE STRUCTURE.

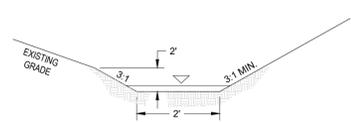
EROSION CONTROL NOTES

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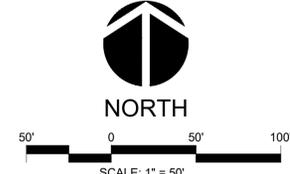
RIPRAP OUTLET DISSIPATOR TABLE - PHASE 3

OUTLET ID	PIPE DIA. (IN)	Q ₁₀ DISCHARGE (CFS)	APRON LENGTH (FT)	APRON WIDTH (FT)	APRON THICKNESS (IN)	d ₅₀ ROCK SIZE (IN)	RIPRAP CLASS
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3A2 OUTLET	36	55.66	30	9	31.5	14	2
3A3 OUTLET	15	7.79	5	3.75	9	4	A
FES A	48	31.23	40	12	31.5	14	2
FES B	30	42.98	25	7.5	31.5	14	2
FES C	18	5.21	9	4.5	18	8	B

LIMITS OF DISTURBANCE
(1,316,408 SF = 30.22 AC.)



TEMPORARY DIVERSION DITCH TYPICAL SECTION
NOT TO SCALE



ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CHATHAM COUNTY, NCDEQ PWSS, AND NCDOT STANDARDS AND PROJECT-SPECIFIC SPECIFICATIONS DATED MAY 14TH.

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THE LEGACY - PHASE 3
CONSTRUCTION PLANS
EROSION CONTROL PLAN - WEST
STAGE 2
COVERED BRIDGE TRAIL
CHATHAM COUNTY, NORTH CAROLINA

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Sheet No:

4C