WALLBROOK ROADWAY IMPROVEMENTS VIRGINIA WATER DRIVE EXTENSION (SERVING LOTS 9-11)

CONSTRUCTION INFRASTRUCTURE DRAWING

US-401 Business / S. Main Street ~ Wake Forest Township ~ Town of Rolesville ~ Wake County ~ North Carolina

CID-23-04 V1

REVISIONS: CROSLAND SOUTHEAST

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Vicinity Map

Please submit public water and sewer applications with the next

APPLICATIONS WIL

ACREAGE IN PUBLIC R/W: **TOTAL DISTURBED ACREAGE** LINEAR FEET IN PUBLIC STREETS WATERSHED:

Site Data

WAKE COUNTY PIN

REAL ESTATE ID:

CURRENT ZONING:

TOTAL ACREAGE IN SITE:

ACREAGE IN PROJECT LIMITS

RIVER BASIN: CURRENT USE: PROPOSED USE: **BUILDING LOT COVERAGE:**

SHEET INDEX

TOTAL SQ. FEET OF PROP. IMPERVIOUS AREA: **DEVELOPMENT STANDARDS:** REFERENCES:

TOTAL SQ. FEET OF EXIST. IMPERVIOUS AREA LDO

TITLE

1758-46-7822 224130 GC-CZ 5.42 AC 5.04 AC 0.32 AC 5.04 AC 138 LF Lower Neuse VACANT / WOODED

0% EXIST., 0% PROPOSED

D.B. 12634, PG. 2473 M.B. 1996, PG. 187

COVER - OVERALL PLAN EROSION CONTROL PLAN - PH. 1

EROSION CONTROL PLAN - PH. 2

EROSION CONTROL NOTES

EROSION CONTROL DETAILS LAYOUT & SIGNAGE-STRIPING PLAN

/IRGINIA WATER DRIVE EXT - PLAN-PROFILE

ACCESS DRIVE - PLAN-PROFILE

C4.0 DETAILS

DETAILS

SURVEY - JOHNSON, MIRMIRAN & THOMPSON (1 SHEET)

(252) 558-0888

Engineer Ark Consulting Group, PLLC 2755 Charles Blvd - Suite B Greenville, NC 27858

Contact: Bryan Fagundus, PE bryan@arkconsultinggroup.com

Owner/Developer:

Wallbrook Landco, LLC 3 Keel St, Ste 2 Wrightsville Beach, NC 28480 (704) 621-6430

Contact: Austin Williams awilliams@csere.com

General Notes:

Legend

= FOUND MONUMENT AS NOTED

= DIMENSION POINT (NOTHING SET)

O = SET IRON PIN Δ = NCGS MONUMENT

= PROPERTY LINE

= DROP INLET

F/O = FIBER OPTIC

= HAND BOX ∠ LP = LIGHT POLE

FH = FIRE HYDRANT

づ PP = POWER POLE

---- G ---- = GAS LINE

------ = OVERHEAD ELECTRIC LINE ---s-- = SANITARY SEWER LINE — T — = TELEPHONE LINE — w — = WATER LINE

> = FIRE LINE = 8"ø WATER LINE

= SPILL CURB = FENCE

= SILT FENCE

---- RIP- = RIPARIAN BUFFER

— 50 — = MAJOR CONTOUR (5') ----- = MINOR CONTOUR (1')

- TREELINE

= 12"ø WATER LINE

= TREE PROTECTION FENCE

= ACCESS AND UTILITY EASEMENT

= TREE PRESERVATION AREA

= OPEN SPACE AREA

= CONCRETE SIDEWALK

= ELECTRIC BOX

= ELECTRIC METER

RCP = REINFORCED CONCRETE PIPE

= TRAFFIC SIGNAL POLE

= TELEPHONE PEDESTAL

= SANITARY SEWER MANHOLE

= STORM DRAIN CATCH BASIN

= SANITARY SEWER FORCE MAIN VALVE

S.F. = SQUARE FEET (AREA)

- CONTACT NORTH CAROLINA ONE-CALL CENTER, INC. (NC ONE-CALL) AT 811 TO HAVE ALL UNDERGROUND UTILITIES LOCATED PRIOR TO EXCAVATING OR TRENCHING.
- ALL REQUIRED IMPROVEMENTS SHALL CONFORM TO THE TOWN OF ROLESVILLE LAND DEVELOPMENT ORDINANCE AND THE TOWN OF ROLESVILLE DEVELOPMENT STANDARDS.

PROPOSED

8"W —

_____ 12"W _____

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+ + + + +

+ + + + +

- CONTRACTOR SHALL NOTIFY NCDOT AND TOWN OF ROLESVILLE PUBLIC WORKS, STREET MAINTENANCE DIVISION 48 HOURS PRIOR TO MAKING CONNECTIONS TO EXISTING STORM DRAINS LOCATED WITHIN PUBLIC STORM DRAINAGE EASEMENTS OR RIGHT-OF-WAY. 4. A PORTION OF THE PROPERTY IS LOCATED WITHIN ZONE 'X', AREA OF MINIMAL FLOODING, AS
- SHOWN ON NATIONAL FLOOD INSURANCE RATE MAP (FIRM) 3720175800J, EFFECTIVE DATE: 05/02/2006. EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL AND ILLUSTRATIVE IN NATURE AND MAY NOT INCLUDE ALL MECHANICAL, ELECTRICAL AND MISCELLANEOUS STRUCTURES. IT IS
- THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING ON THE WORK FOR THIS PROJECT. IF CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT THAN THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
- ELECTRIC AND TELEPHONE UTILITIES SHALL BE INSTALLED UNDERGROUND.
- REFER TO ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS. REFER TO M.E.P. PLANS FOR COORDINATION OF BUILDING UTILITY SERVICES
- THIS PROJECT DISTURBS MORE THAN  $\frac{1}{2}$  ACRE FOR PURPOSES OF A COMMERCIAL DEVELOPMENT PROJECT IS SUBJECT TO THE TOWN OF ROLESVILLE STORMWATER MANAGEMENT ORDINANCE. STORMWATER MANAGEMENT PLAN APPROVAL BY THE TOWN OF ROLESVILLE IS REQUIRED.
- 10. THIS PROJECT DISTURBS MORE THAN 1 ACRE. EROSION & SEDIMENTATION CONTROL PLAN APPROVAL IS REQUIRED.

- 11. NCDOT DRIVEWAY PERMIT APPROVAL IS COMPLETED FOR THIS PROJECT. REFERENCE NCDOT
- 12. REFUSE COLLECTION SHALL BE PROVIDED BY PRIVATE SERVICE FOR COMMERCIAL DEVELOPMENT.
- 13. ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED. 14. SITE SHALL MEET ALL RELATED ACCESSIBILITY CODE REQUIREMENTS.
- 15. BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION SHOWN HEREON WAS PREPARED BY JOHNSON, MIRMIRAN & THOMPSON. REFERENCE IS MADE TO THE SURVEY ENTITLED ALTA/NSPS LAND TITLE SURVEY PREPARED FOR WALLBROOK LANDCO, LLC DATED 3/28/2020, AND ATTACHED TO THIS DRAWING SET FOR REFERENCE.
- 16. UNDERGROUND UTILITIES PLOTTED IN PART FROM ACTUAL FIELD LOCATION OF ABOVE GROUND FEATURES AND IN PART FROM MAPS ON RECORD. ACTUAL LOCATIONS MAY VARY. SURVEYOR AND ENGINEER CANNOT PROVIDE ACCURACY OF INFORMATION TAKEN FROM RECORD DATA. OTHER UTILITIES MAY EXIST. CONTRACTOR SHOULD CONTACT NORTH CAROLINA ONE-CALL CENTER (NC ONE-CALL) BY DIALING 811 TO HAVE UNDERGROUND UTILITIES LOCATED PRIOR TO EXCAVATING OR TRENCHING.
- 17. THE ENGINEER MAKES NO GUARANTEE THAT THE UTILITIES SHOWN ARE COMPRISED OF ALL SUCH UTILITIES IN THE AREA OF SURVEY EITHER IN SERVICE OR ABANDONED. THE ENGINEER FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THE ENGINEER DOES HEREBY CERTIFY THAT ALL UTILITIES ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE ENGINEER HAS NOT PHYSICALLY UNCOVERED AND LOCATED ANY UNDERGROUND UTILITIES.

## Special Use Plan (SUP 20-02) Conditions:

DEVELOPED WITH STRUCTURES OR IMPROVEMENTS.

- 1. USES AND MAXIMUM DENSITIES ARE LIMITED TO THOSE SHOWN ON EACH SITE OF THE CONCEPT PLAN. ANY RESIDENTIAL UNITS NOT DESIGNATED ON THE RESIDENTIAL - TOWNHOMES TRACT MAY BE USED ON ANY OF THE TRACTS LABELED FOR NON-RESIDENTIAL USE.
- 2. PRIOR TO THE ISSUANCE OF THE FIRST CERTIFICATE OF OCCUPANCY FOR THE FIRST RESIDENTIAL UNIT IN THE EAST SITE AS SHOWN ON THE CONCEPT PLAN, DEVELOPER WILL COMPLETE THE EXTENSION OF WALL CREEK DRIVE TO
- 3. IF APPLICANT SEEKS A CERTIFICATE OF OCCUPANCY PRIOR TO THE COMMENCEMENT OF WORK ON THE LAPP GRANT PROJECT IMPROVEMENTS, THEN PRIOR TO THE ISSUANCE OF THE FIRST CERTIFICATE OF OCCUPANCY OF THE FIRST RESIDENTIAL UNIT IN THE EAST SITE AND IN ACCORDANCE WITH THE "WALLBROOK DEVELOPMENT TIA ADDENDUM - RESIDENTIAL-ONLY PHASE" DATED FEBRUARY 13, 2020, DEVELOPER WILL CONSTRUCT A 100' NORTHBOUND RIGHT TURN LANE AND A 100' SOUTHBOUND LEFT TURN LANE AT THE INTERSECTION OF WALL CREEK DRIVE (AS EXTENDED) AND MAIN STREET. IF WORK ON THE LAPP GRANT PROJECT IMPROVEMENTS IS COMMENCED BEFORE THE FIRST CERTIFICATE OF OCCUPANCY IS REQUESTED, DEVELOPER IS NOT REQUIRED TO CONSTRUCT THE AFOREMENTIONED IMPROVEMENTS.
- 4. NO LATER THAN SIX MONTHS FOLLOWING THE COMPLETION OF THE LAPP GRANT PROJECT IMPROVEMENTS, DEVELOPER WILL COMPLETE BOTH 1) THE EXTENSION OF VIRGINIA WATER DRIVE TO MAIN STREET AND 2) THE EXTENSION OF BURLINGTON MILLS ROAD (AS REALIGNED) FROM MAIN STREET TO VIRGINIA WATER DRIVE.
- FINAL ACREAGE OF SITES ARE SUBJECT TO CHANGE AT SITE PLAN AND CONSTRUCTION PLAN BASED ON FINAL SURVEYS AND SITE PLAN REVIEW AND APPROVAL. 7. AS SHOWN ON THE CONCEPT PLAN, AREAS OF THE SITE EAST OF THE RIPARIAN STREAM AND ADJACENT TO WAKE COUNTY PINS 1758676836, 1758674619, 1758674416, 1758674204, 1758674100, AND 1758663984 SHALL NOT BE

5. DEVELOPER WILL COMPLETE TRAFFIC IMPROVEMENTS AS SET FORTH IN OCTOBER 13, 2020 MEMO BY STANTEC

#### SITE PERMITTING APPROVAL

Water and Sewer Permits (if applicable)

US 401 BUSINESS - S. MAIN STREET

(VARIABLE WIDTH PUBLIC R/W)

The City of Raleigh consents to the connection and extension of the City's Public Sewer System as shown on this plan he material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit #\_\_\_\_

SCALE 1 inch = 60 ft

The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit #\_\_\_ The City of Raleigh consents to the connection to its public sewer system and extensions of the private sewer collection system as shown on this plan. The material and construction methods used for this project shall conform to the

The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan

City of Raleigh Public Utilities Department Permit #

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

Plans for the proposed use have been reviewed for general compliance with applicable codes. This limited review, and authorization for construction is not to be considered to represent total compliance with all legal requirements for development and construction. The property owner, design consultants, and contractors are each responsible for be construed to permit any violation of City, State or Federal Law. All Construction must be in accordance with all Local,

Electronic Approval: This approval is being issued electronically. This approval is valid only upon the signature of a City of Raleigh Review Officer below. The City will retain a copy of the approved plans. Any work authorized by this approval must proceed in accordance with the plans kept on file with the City. This electronic approval may not be edited once issued. Any modification to this approval once issued will invalidate this approval.

City of Raleigh Review Officer

standards and specifications of the City's Public Utilities Handbook.

# **EROSION CONTROL, STORMWATER** AND FLOODPLAIN MANAGEMENT **APPROVED**

EROSION CONTROL 
S-STORMWATER MGMT. 

S-

FLOOD STUDY S-

ENVIRONMENTAL CONSULTANT SIGNATURE



**APPROVED FOR COMPLIANCE** 

These plans have been approved for compliance with the Town Code of Ordinance, LDO, and Standard Specifications and Construction Details, subject to statements & conditions hereby incorporated by reference.

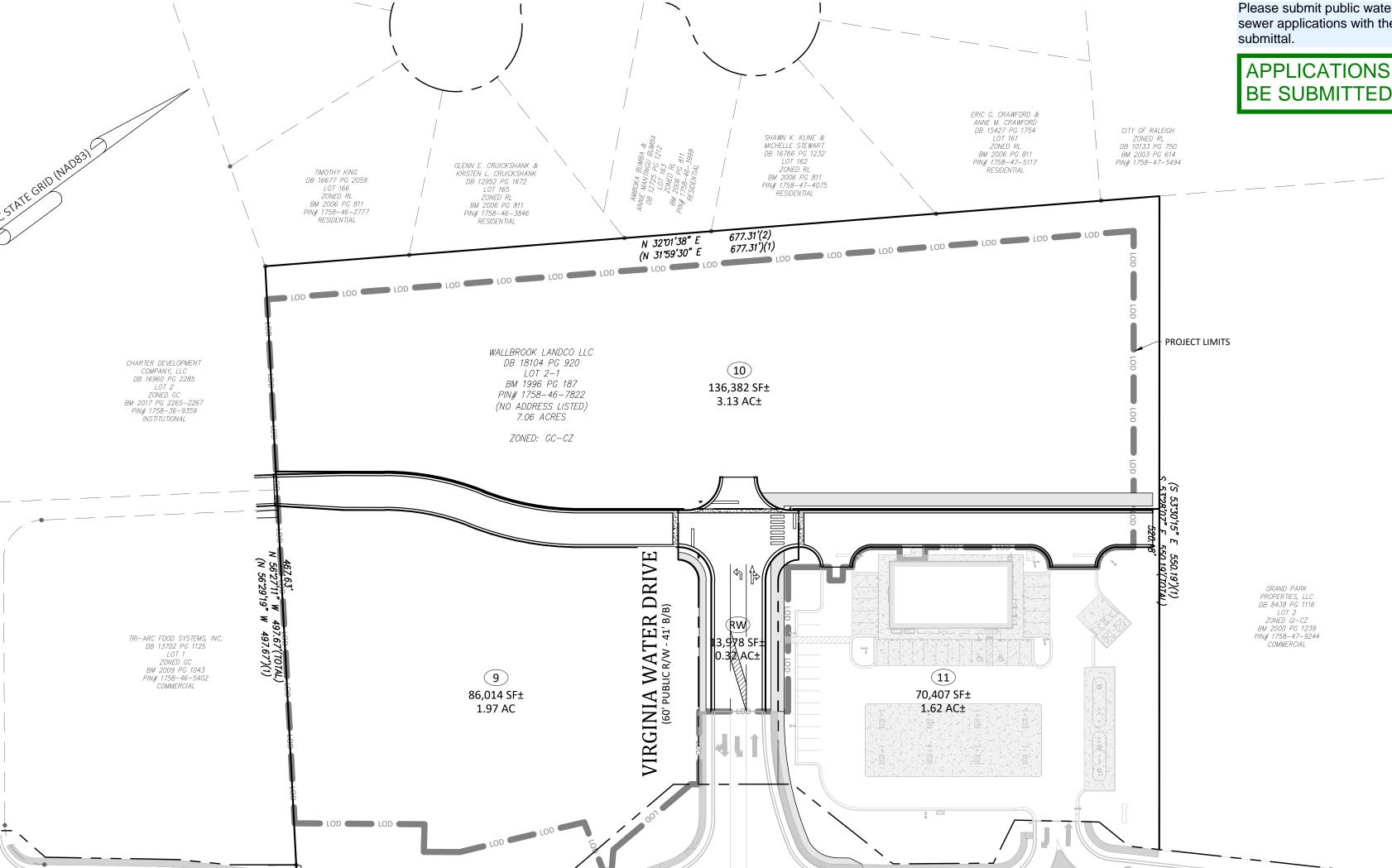
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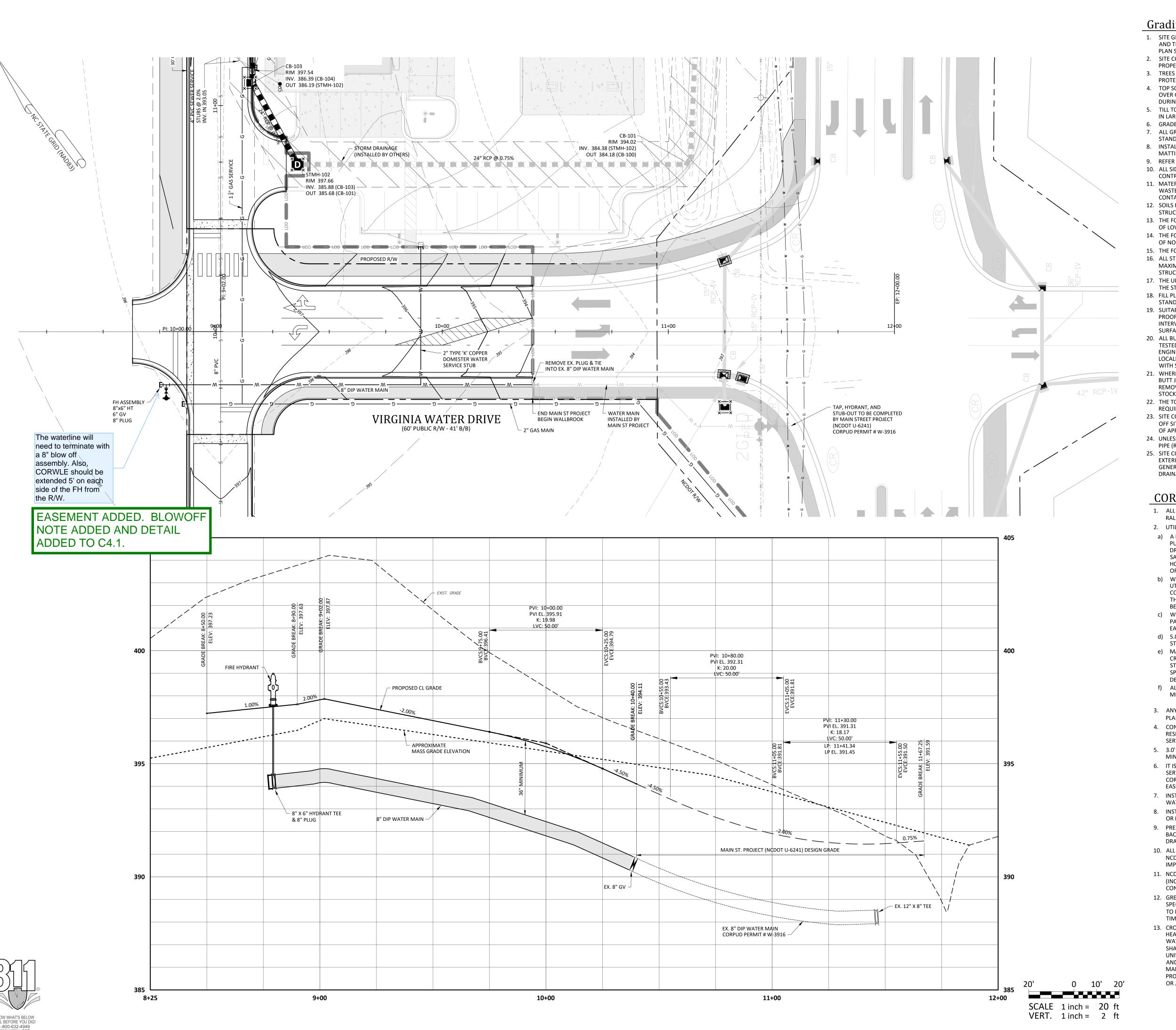
Checked By

May 2023

Drawing Number: D-1404-CID







#### **Grading Notes:**

- 1. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT REFERENCED IN THIS

- 4. TOP SOIL SHALL BE STRIPPED FROM ALL CUT AND FILL AREAS, STOCKPILED AND REDISTRIBUTED
- OVER GRADED AREAS. PROVIDE EROSION AND SEDIMENTATION CONTROLS AROUND STOCKPILES DURING CONSTRUCTION.
- IN LARGEST DIRECTION.
- 6. GRADE ALL AREAS TO MAINTAIN POSITIVE SLOPE AWAY FROM BUILDING.
- 7. ALL GRADED AREAS TO RECEIVE SEED OR SOD, TOP SOIL, STRAW AND WATER UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
- 8. INSTALL TEMPORARY TURF REINFORCEMENT MATTING ON ALL SLOPES STEEPER THAN 3:1.
- MATTING SHALL BE CONTECH LANDLOK C2 OR EQUAL.
- 10. ALL SIDEWALKS SHALL BE CONSTRUCTED OF 3,500 PSI CONCRETE AND SHALL HAVE TOOLED
- 11. MATERIALS SELECTED FOR USE AS STRUCUTRAL FILL SHALL BE FREE OF VEGETABLE MATTER,
- 12. SOILS REPRESENTED BY THEIR USCS GROUP SYMBOLS WILL TYPICALLY BE SUITABLE FOR USE AS
- 13. THE FOLLOWING SOILS ARE CONSIDERED SUITABLE IN AREAS WHERE A MINIMUM THICKNESS OF 3'
- OF LOW PERMEABILITY SOILS CAN BE USED AS COVER: (SW), (SP), (SP-SM), AND (SP-SC). 14. THE FOLLOWING SOILS ARE CONSIDERED SUITABLE IN AREAS WHERE A MINIMUM THICKNESS OF 3'
- 15. THE FOLLOWING SOIL TYPES ARE CONSIDERED UNSUITABLE: (OL), (OH), AND (Pt).
- 16. ALL STRUCTURAL FILL SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698). ADDITIONALLY, THE IN-PLACE MAXIMUM DRY DENSITY OF
- 17. THE UPPER 12" OF BUILDING FLOOR SLAB SUBGRADES SHALL BE COMPACTED TO AT LEAST 98% OF
- 18. FILL PLACEMENT IN PAVEMENT AREAS SHALL BE PERFORMED IN ACCORDANCE WITH NCDOT
- 19. SUITABLE FILL MATERIAL SHALL BE PLACED IN 8" LIFTS AND COMPACTED BY MECHANICAL MEANS. PROOFROLLING WITH RUBBER TIRED, HEAVILY LOADED VEHICLES MAY BE DESIRABLE AT
- 20. ALL BUILDING, SIDEWALK, AND PAVEMENT SUB-GRADE COMPACTIONS SHALL BE INTERMEDIATELY TESTED THROUGHOUT FILL PLACEMENT OPERATIONS AND APPROVED BY THE GEOTECHNICAL ENGINEER. ALL SUB-GRADES SHALL BE THOROUGHLY PROOF-ROLLED TO IDENTIFY SMALL LOCALIZED AREAS OF UNSUITABLE SOILS. ALL UNSUITABLE SOILS SHALL BE UNDERCUT, REPLACED
- 21. WHERE REQUIRED, PAVEMENT SHALL BE SAW CUT IN STRAIGHT LINES, AND EXCEPT FOR EDGE OF BUTT JOINTS, SHALL EXTEND TO THE FULL DEPTH OF THE EXISTING PAVEMENT. ALL DEBRIS FROM REMOVAL OPERATIONS SHALL BE REMOVED FROM THE SITE AT THE TIME OF EXCAVATION.
- 22. THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, CLEANOUTS, ETC. SHALL BE ADJUSTED, AS
- 25. SITE CONTRACTOR SHALL INSTALL BUILDING ROOF DRAINS TO WITHIN 2' OF THE BUILDING EXTERIOR WALL, CAP AND PROVIDE ABOVE GROUND MARKER FOR LOCATION PURPOSES. GENERAL CONTRACTOR IS RESPONSIBLE FOR TIE-INS OF BUILDING DOWNSPOUTS TO SITE ROOF

#### **CORPUD Standard Utility Notes:**

- 1. ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK)
- a) A DISTANCE OF 100' SHALL BE MAINTAINED BETWEEN SANITARY SEWER & ANY PRIVATE OR PUBLIC WATER SUPPLY SOURCE SUCH AS AN IMPOUNDED RESERVOIR USED AS A SOURCE OF DRINKING WATER. IF ADEQUATE LATER SEPARATION CANNOT BE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS.
- UTILITIES SHALL BE 10'. IF THIS SEPARATION CONNOT BE MAINTAINED DUE TO EXISTING CONDITIONS, THE VARIATION ALLOWED IS THE WATER MAIN IN A SEPARATE TRENCH WITH THE ELEVATION OF THE WATER MAIN AT LEAST 18" ABOVE THE TOP OF THE SEWER & MUST
- BE APPROVED BY THE PUBLIC UTILITIES DIRECTOR. c) WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION, OR ANYTIME A SANITARY SEWER PASSES OVER A WATER MAIN, DIP MATERIALS OR STEEL ENCASEMENT EXTENDED 10' ON
- EACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS. d) 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER &
- STORM SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER. e) MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL WATER MAIN & RCP STORM DRAIN CROSSINGS; MAINTAIN 24" MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER & RCP STORM DRAIN CROSSINGS. WHERE ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, SPECIFY DIP MATERIALS & A CONCRETE CRADLE HAVING 6" MIN. CLEARANCE (PER CORPUD
- f) ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL SEPARATION REQUIRED.
- 3. ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED
- RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED BY A 24 HOUR ADVANCE NOTICE TO CORPUD.
- 5. 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCEMAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.
- SERVICES NOT BEING USED IN REDEVELOPMENT OF A SITE UNLESS OTHERWISE DIRECTED BY CORPUD. THIS INCLUDES ABANDONING TAP AT MAIN & REMOVAL OF SERVIC FROM ROW OR EASEMENT PER CORPUD HANDBOOK PROCEDURE.
- 7. INSTALL PVC WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2' X 2'
- WATERLINE EASEMENT IMMEDIATELY ADJACENT. 8. INSTALL PVC SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED EVERY 75 LINEAR FEET MAXIMUM.
- 9. PRESSURE REDUCING VALVES ARE REQUIRED ON ALL WATER SERVICES EXCEEDING 80 PSI; BACKWATER VALVES ARE REQUIRED ON ALL SANITARY SEWER SERVICES HAVING BUILDING DRAINS LOWER THAN 1.0' ABOVE THE NEXT UPSTREAM MANHOLE.
- 10. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM
- 11. NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO
- 12. GREASE INTERCEPTOR / OIL WATER SEPARATOR SIZING CALCULATIONS & INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE CORPUD FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A BUILDING PERMIT. CONTACT TIM BEASLEY AT (919) 996-2334 OR TIMOTHY.BEASLEY@RALEIGHNC.GOV FOR MORE INFORMATION.
- 13. CROSS-CONNECTION CONTROL PROTECTION DEVICES ARE REQUIRED BASED ON DEGREE OF HEALTH HAZARD INVOLVED AS LISTED IN APPENDIX-B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NC. THESE GUIDELINES ARE THE MINIMUM REQUIREMENTS. THE DEVICES SHALL MEET AMERICAN SOCIETY SANITARY ENGINEERING (ASSE) STANDARDS OR BE ON THE UNIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST. THE DEVICES SHALL BE INSTALLED AND TESTED (BOTH INITIAL AND PERIODIC TESTING THEREAFTER) IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS OR THE LOCAL CROSS-CONNECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT. CONTACT JOANIE HARTLEY AT (919) 996-5923 OR JOANIE.HARTLEY@RALEIGHNC.GOV FOR MORE INFORMATION.



- 2. SITE CONTRACTOR TO GRADE ALL AREAS WITHIN THE LIMITS OF DISTURBANCE FROM BUILDING TO PROPERTY LINES AND TO EDGE OF PAVEMENT ON STREET SIDES, INCLUDING ROW.
- 3. TREES OUTSIDE OF CONSTRUCTION LIMITS OR TREES NOT INDICATED TO BE REMOVED SHALL BE
- 5. TILL TOP SOIL TO A DEPTH OF 4" MINIMUM AND REMOVE ALL ROCKS LARGER THAN 1" MEASURED

- 9. REFER TO CIVIL DETAILS FOR PAVEMENT IN PARKING AND DRIVE AREAS.
- CONTROL JOINTS PER THE JOINT SPACING REFERENCED ON THE PLAN.
- WASTE CONSTRUCTION DEBRIS, AND OTHER DELETERIOUS MATERIALS. THE MATERIAL SHALL NOT CONTAIN ROCKS HAVING A DIAMETER OVER 3 INCHES.
- STRUCTURAL FILL: (ML), (CL), (SM), AND (SC).
- OF NON-EXPANSIVE SOILS CAN BE USED AS COVER: (MH) AND (CH).
- STRUCTURAL FILL SHOULD BE NO LESS THAN 90 PCF.
- THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698).
- INTERVALS OF APPROXIMATELY 2 VERTICAL FEET TO BIND THE LIFTS TOGETHER AND TO SEAL THE
- WITH STRUCTURAL FILL, AND COMPACTED AS DESCRIBED ABOVE.
- STOCKPILING OF DEBRIS WILL NOT BE PERMITTED.
- REQUIRED, TO MATCH PROPOSED GRADES.
- 23. SITE CONTRACTOR SHALL BE REQUIRED TO SECURE ALL NECESSARY PERMITS AND APPROVALS FOR OFF SITE MATERIAL SOURCES AND / OR DISPOSAL FACILITIES. CONTRACTOR SHALL SUPPLY A COPY OF APPROVALS TO OWNER PRIOR TO INITIATING WORK.
- 24. UNLESS INDICATED OTHERWISE, ALL STORM DRAINAGE PIPE SHALL BE REINFORCED CONCRETE PIPE (RCP) CLASS III WITH SOIL TIGHT JOINTS.

- 2. UTILITY SEPARATION REQUIREMENTS:
- HOWEVER, THE MINIMUM SEPARATION SHALL NOT BE LESS THAN 25' FROM A PRIVATE WELL OR 50' FROM A PUBLIC WELL.
- b) WHEN INSTALLING WATER &/OR SEWER MAINS, THE HORIZONTAL SEPARATION BETWEEN

- DETAILS W-41 & S-49).
- PLAN &/OR PROFILE BY CORPUD PRIOR TO CONSTRUCTION.
- 4. CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING
- 6. IT IS THE DEVELOPERS RESPONSIBILITY TO ABANDON OR REMOVE EXISTING WATER & SEWER

- NCDWQ, USACE &/OR FEMA FOR ANY RIPARIAN BUFFER, WETLAND &/OR FLOODPLAIN IMPACTS PRIOR TO CONSTRUCTION.



**REVISIONS:** 

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AD EXT

RAN IAN

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CONSUI

I-PROFILE

DRIV

VIRGINIA

DLC/TN Drawn Bv: Checked By: Project Number: 22049 Drawing Number: D-1404-CID

