WALLBROOK-TOWNHOME AMENITY PLAN

SPECIAL USE PERMIT CONDITIONS

- USES AND MAXIMUM DENSITIES ARE LIMITED TO THOSE SHOWN ON EACH SITE ON 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 USES.
- PRIOR TO THE ISSUANCE OF THE FIRST CERTIFICATE OF OCCUPANCY FOR THE FIRST RESIDENTIAL UNIT IN THE EAST SIDE AS SHOWN ON THE CONCEPT PLAN. DEVELOPER
- IF APPLICANT SEEKS A CERTIFICATE OF OCCUPANCY PRIOR TO THE COMMENCEMEN ISSUANCE OF THE FIRST CERTIFICATE OF OCCUPANCY OF THE FIRST RESIDENTIAL UN 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, IE 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
- 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.
- DEVELOPER WILL COMPLETE TRAFFIC IMPROVEMENTS AS SET FORTH IN OCTOBER 12 2020 MEMO BY STANTEC
- AS SHOWN ON THE "PRELIMINARY PLAT PLAN SP 21-02," 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 DEVELOPED WITH STRUCTURES OR IMPROVEMENTS.

SURVEY NOTES

- THE PROPERTY LIES IN ZONE "X" PER NATIONAL FLOOD INSURANCE PROGRAM RATE MAP (FIRM), WAKE COUNTY, NORTH CAROLINA, PANEL 1758, MAP NO. 3720175800J **DATED MAY 2, 2006**.
- THE SURVEY IS REFERENCED TO THE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983, 2001 ADJUSTMENT, NAD83(2001). ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES.
- THE SUBJECT PARCEL IS ZONED CO-SUD (COMMERCIAL OUTLYING SPECIAL USE DISTRICT) PER WAKE COUNTY GIS.
- SURVEY WAS PREPARED BY JOHNSON, MIRMIRAN & THOMPSON UNDER THE SUPERVISION OF WILLIAM T. ROBBINS, PLS. FIELD WORK WAS COMPLETED MARCH 25,
- AREAS COMPUTED BY COORDINATE METHOD.
- NO CEMETERIES OBSERVED AS A RESULTS OF THE SURVEY.

DEVELOPER/OWNER

CURRENT ZONING: CO SUD

WALLBROOK LANDCO, LLC 4700 SIX FORKS RD, SUITE 150 RALEIGH, NC 27609

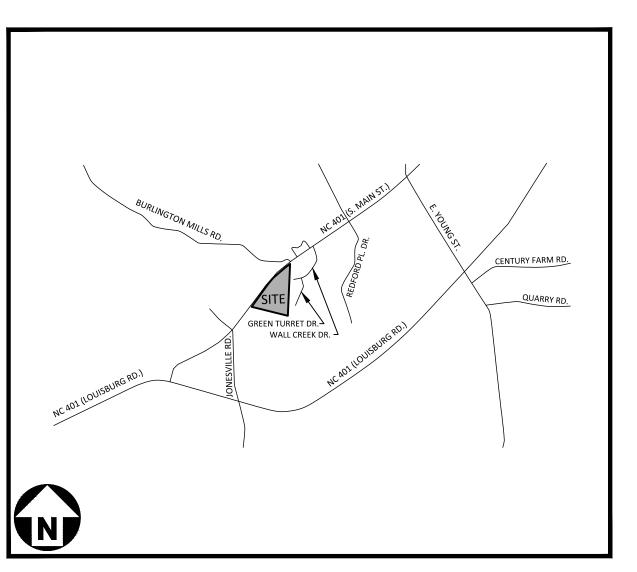
SURVEY BY: JOHNSON, MIRMIRAN & THOMPSON 9201 ARBORETUM PARKWAY, SUITE 310 RICHMOND, VIRGINIA 23236

TOPOGRAPHIC MARCH 25, 2020 ALTA SURVEY MARCH 25, 2020

WILLIAM T. ROBBINS, PLS NC LICENSE # 4192 804-323-9900

P.	PARCEL OWNER LIST		
PIN	OWNER	AREA	
1758-56-8976	WALLBROOK LANDCO, LLC. 4700 SIX FORKS RD, SUITE 150 RALEIGH, NC 27609	42.324 AC	



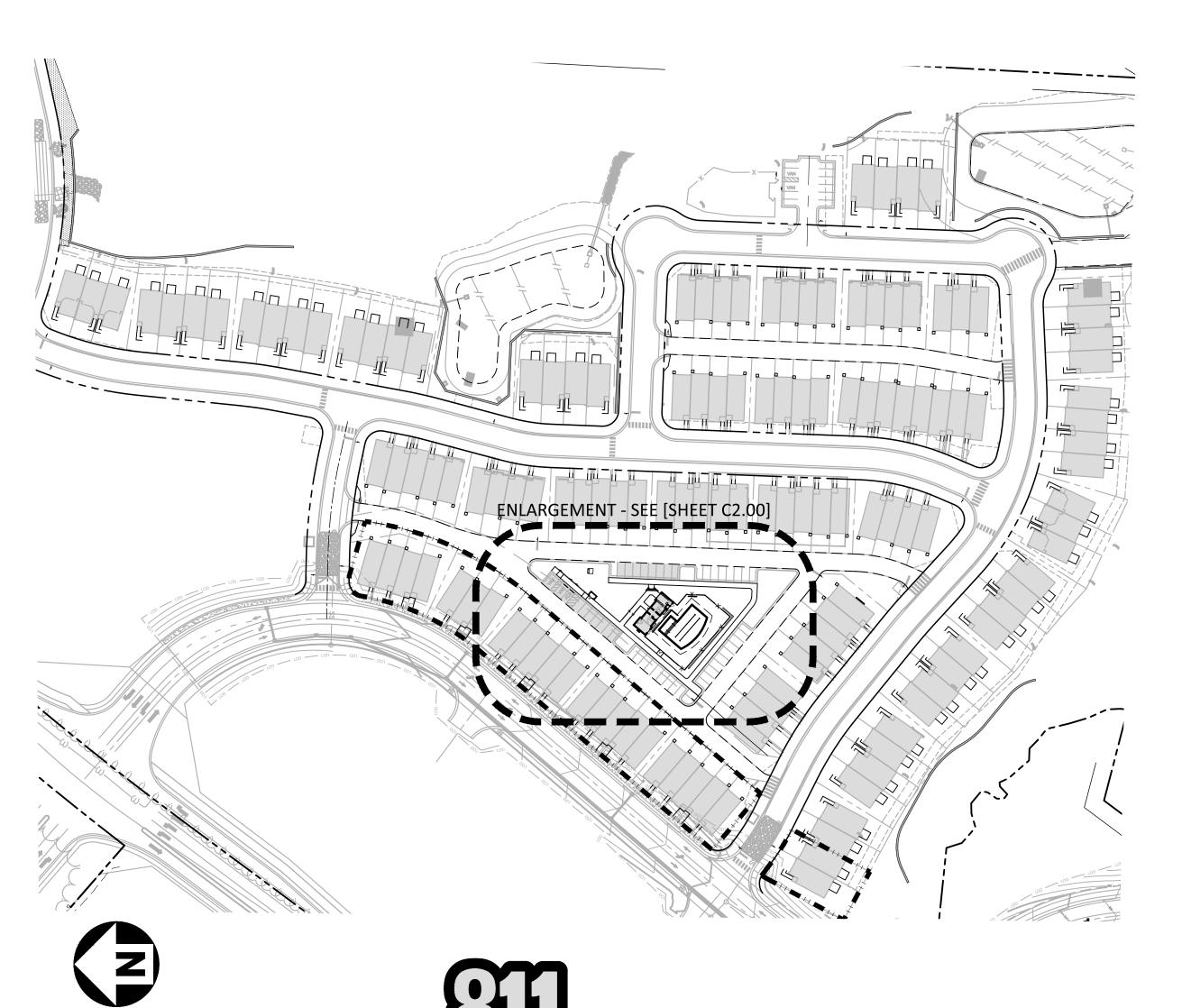


VICINITY MAP

S. MAIN STREET ROLESVILLE, NORTH CAROLINA, 27571

SITE DEVELOPMENT PLAN

PROJECT NUMBER: CPR-19100 TOWN OF ROLESVILLE PROJECT NUMBER SP 22-09 DATE:NOVEMBER 11, 2022



Know what's below.
Call before you dig.

CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY

SHEET INDEX

PROJECT NOTES

SITE PLAN

GRADING & STORM DRAINAGE PLAN

UTILITY PLAN

EROSION CONTROL PLAN EROSION CONTROL DETAILS

EROSION CONTROL DETAILS EROSION CONTROL DETAILS

SITE DETAILS

SITE DETAILS

SEWER DETAILS WATER DETAILS

LANDSCAPE PLAN

LANDSCAPE NOTES AND DETAILS ARCHITECTURAL ELEVATIONS

SITE PLAN APPROVAL CONTINGENT ON PRIOR APPROVALS:

-SUP 20-02 -ANX 21-06

-PR 21-04 -SP 21-02 -CD 22-04

15.4.5 - Streets

Type of Street Required All subdivision lots shall abut at least 20 feet on a public street. All public streets shall be dedicated to the Town of Rolesville, the State of North Carolina or the public as determined appropriate by the Board of Commissioners of the Town of Rolesville. All public streets shall be built to the standards of this ordinance and all other applicable standards of the Town of Rolesville and the North Carolina Department of Transportation. Public streets not dedicated to the Town which are eligible for acceptance into the State Highway System shall be constructed to the standards necessary to be put on the State Highway System or the standards in this ordinance, whichever is stricter, in regard to each particular item and shall be put on such system. Streets not dedicated to the Town which are not eligible to be put on the State Highway System because there are too few lots or residences shall, nevertheless, be dedicated to the public and shall be in accordance with the standards in this ordinance or the standards necessary to be put on the State Highway System, whichever is stricter in regard to each particular item, so as to be eligible to be put on the system at a

later date. A written maintenance agreement with provisions for maintenance of the street until it is put on the State System shall be included with the final plat.

Subdivision Street Disclosure Statement All streets shown on the final plat shall be designated in accordance with G.S. § 136-102.6 and designation as public shall be conclusively presumed an offer of dedication to the public. Where streets are dedicated to the public but not accepted into a municipal or the State system, before lots are sold, a statement explaining the status of the street shall be included with the final plat.

GENERAL NOTES:

SEE CASE CD 22-04 FOR OVERALL SITE DEVELOPMENT



SP 22-09 / Wallbrook Townhomes Amenity Center APPROVED

Meredith Truber

Date: June 27, 2023

Town of Rolesville Planning Department

EROSION CONTROL, STORMWATER AND FLOODPLAIN MANAGEMENT APPROVED

EROSION CONTROL SEC- 135203-2024 STORMWATER MGMT. SWF-084502-2022 FLOOD STUDY S- N/A

DATE 12/17/2024

SITE PERMITTING APPROVAL

Water and Sewer Permits (If applicable)

The City of Raleigh consents to the connection and extension of the City's Public Sewer System as shown on this plan. 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 and extension of the City's Public Water System as shown on this plan. 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 extension of the private sewer collection system as shown on this plan. The material and constructions 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 # ___

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 compliance with all applicable City, State and Federal laws. This specific authorization below is not a permit, nor shall it be construed to permit any violation of City, State or Federal Law. All Construction must be in accordance with all Local, State,

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 Development Approval

City of Raleigh Review Officer



The John R. McAdams Company, Inc 2905 Meridian Parkway Durham, NC 27713

> phone 919. 361. 5000 fax 919. 361. 2269 license number: C-0293

www.mcadamsco.com

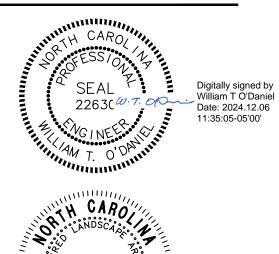
CONTACT

SARA DONOHOE DONOHOE@mcadamsco.com PHONE: 919. 287. 0771

CLIENT

WALLBROOK LANDCO, LLC 4700 SIX FORKS RD, SUITE 150 RALEIGH, NORTH CAROLINA 27609

PROJECT DIRECTORY



REVISIONS

NO. DATE 1 12. 06. 2024 UPDATED PER COUNTY COMMENTS

SITE DEVELOPMENT

PLAN:

WALLBROOK TOWNHOME AMENITY PLAN ROLESVILLE, NORTH CAROLINA, 27517 ROLESVILLE PROJECT#: SP 22-09 MCADAMS PROJECT #: CPR-19100

SITE PLAN NOTES

- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST TOWN OF ROLESVILLE AND/OR NCDOT STANDARDS AND SPECIFICATIONS AS APPLICABLE.
- 2. ALL DIMENSIONS SHOWN ON SITE PLAN ARE MEASURED TO FACE OF CURB UNLESS OTHERWISE NOTED.
- 3. CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL PIPING PRIOR TO CONCEALMENT. DRAWINGS SHALL BE GIVEN TO THE ENGINEER UPON COMPLETION OF THE PROJECT WITH A COPY OF THE TRANSMITTAL LETTER TO THE OWNER.
- 4. EXISTING IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED/RESTORED TO THEIR ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER, BY THE CONTRACTOR RESPONSIBLE FOR THE DAMAGE.
- 5. THE CONTRACTOR SHALL NOTE THAT THE DRAWINGS MAY NOT SHOW EVERY OFFSET, TRANSITION, FITTING, ETC. THAT MAY BE REQUIRED. THE CONTRACTOR SHALL INSTALL SUCH STANDARD APPURTENANCES AS REQUIRED TO CLOSELY FOLLOW THE GRADES AND ALIGNMENTS DEPICTED ON THE PLANS.
- 6. CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
- 7. CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE UTILITY COMPANIES FOR ANY REQUIRED RELOCATIONS (I.E. POWER POLES, TELEPHONE PEDESTALS, WATER
- 8. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION, FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- 9. ACCESSIBLE RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NCDOT DETAILS.
- 10. ALL SIDEWALKS THAT CONNECT TO THE PUBLIC RIGHT-OF-WAY MUST BE ACCESSIBLE TO PERSONS WHO ARE BLIND, HAVE LOW VISION AND PEOPLE WITH MOBILITY DISABILITIES. PEDESTRIAN EXISTING ROUTES AND ALTERNATE PEDESTRIAN ROUTES DURING CONSTRUCTION WILL BE REQUIRED TO BE COMPLIANT WITH THE PUBLIC RIGHTS OF WAY ACCESSIBILITY GUIDELINES (PROWAG), 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- 11. TYPICAL PAVEMENT SECTION DETAILS ARE SHOWN WITHIN THIS SET AND INTENDED TO BE A MINIMUM PAVEMENT SECTION REQUIREMENT. THE CURRENT GEOTECHNICAL REPORT SHALL OVER-RIDE ALL TYPICAL PAVEMENT SECTIONS SHOWN, IF THE GEOTECHNICAL ENGINEER DEEMS A HEAVIER SECTION IS REQUIRED.
- 12. EQUIPMENT AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED PROVIDED APPROVAL HAS BEEN OBTAINED FROM THE OWNER IN WRITING PRIOR TO ORDERING OR INSTALLATION. THE CONTRACTOR SHALL WAIVE ANY CLAIM FOR ADDITIONAL COST RELATED TO SUBSTITUTION OF ALTERNATE EQUIPMENT.
- 13. ALL SIGNAGE ASSOCIATED WITH THE PUBLIC STREET SYSTEM SHALL ADHERE TO MUTCD STANDARDS AND SPECIFICATIONS.

NOTES:

- ROADS LABELED AS PUBLIC WILL BE DEDICATED AS PUBLIC ROW TO BE
 MAINTAINED BY THE TOWN OF ROLFSVILLE.
- 2. ROADS LABELED AS PRIVATE WILL BE DEDICATED AS PRIVATE AND BE
- MAINTAINED BY THE HOA.
- 3. GREENWAY EASEMENTS LABELED AS PUBLIC WILL BE DEDICATED AS PUBLIC AND BE MAINTAINED BY THE TOWN OF ROLESVILLE.
- 4. SANITARY SEWER EASEMENTS WILL BE DEDICATED AS PUBLIC EASEMENTS TO THE CITY OF RALEIGH.

STORM DRAINAGE NOTES

ANY DAMAGED ITEMS SHALL NOT BE INSTALLED.

- 1. ALL STORM DRAINAGE PIPES SHOWN SHALL BE REINFORCED CONCRETE (RCP) (MINIMUM CLASS III) UNLESS NOTED OTHERWISE. CONTRACTOR TO COORDINATE WITH THE GEOTECH TO VERIFY TYPE OF BEDDING REQUIRED BASED ON SOIL CONDITIONS. CONTRACTOR TO SELECT REQUIRED CLASS OF PIPE BASED ON DEPTH OF PIPE AND BEDDING PROVIDED PER THE AMERICAN CONCRETE PIPE ASSOCIATION GUIDELINES.
- 2. ALL STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF ROLESVILLE STANDARDS.
- 3. ALL CONCRETE SHALL MEET A MINIMUM 3000 PSI COMPRESSIVE STRENGTH.
- 4 ALL PIPE IN STORM DRAIN STRUCTURES SHALL BE STRUCK EVEN WITH INSIDE WALL.
- 5. ALL PIPE JOINTS SHALL BE MADE WITH PREFORMED JOINT SEALER, WHICH CONFORMS TO AASHTO SPECIFICATION M-198 FOR TYPE BELEXIBLE PLASTIC GASKETS LINLESS OTHERWISE NOTED.
- 6. THE INTERIOR SURFACES OF ALL STORM DRAINAGE STRUCTURES SHALL BE POINTED UP AND SMOOTHED TO AN ACCEPTABLE STANDARD, USING MORTAR MIXED TO MANUFACTURER'S SPECIFICATIONS.
- 7. ALL BACKFILL SHALL BE NON-PLASTIC IN NATURE, FREE FROM ROOTS, VEGETATION MATTER, WASTE CONSTRUCTION MATERIAL OR OTHER OBJECTIONABLE MATERIAL. SAID MATERIAL SHALL BE CAPABLE OF BEING COMPACTED BY MECHANICAL MEANS AND SHALL HAVE NO TENDENCY TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER THE TAMPING BLOWS OR PROOF ROLLING.
- 8. MATERIALS DEEMED BY THE OWNER'S REPRESENTATIVE OR GEOTECH AS UNSUITABLE FOR BACKFILL PURPOSES SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
- 9. BACKFILLING OF TRENCHES SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PIPE IS LAID. THE FILL AROUND THE PIPE SHALL BE THOROUGHLY COMPACTED TO 95 % OF THE MAXIMUM DRY DENSITY OBTAINABLE WITH THE STANDARD PROCTOR TEST. THE TOP EIGHT (8) INCHES SHALL BE COMPACTED TO 100 PERCENT STANDARD PROCTOR.
- 10. UNDER NO CIRCUMSTANCES SHALL WATER BE ALLOWED TO RISE IN UNBACKFILLED TRENCHES AFTER PIPE HAS BEEN PLACED.
- 11. ALL CONCRETE PIPE AND PRECAST STORM STRUCTURES SHALL MEET NCDOT STANDARDS BY MANUFACTURER.
- ALL CONCRETE PIPE AND PRECAST STORM STRUCTURES SHALL MEET NCDOT STANDARDS BY MANUFACTURER.
 CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL PIPE AND STRUCTURES FOR CRACKS OR BREAKS, PRIOR TO INSTALLATION.

CITY OF RALEIGH PUBLIC UTILITIES STANDARD UTILITY NOTES (AS APPLICABLE)

SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, CURRENT EDITION).

- 1. ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS. DETAILS &
- 2. UTILITY SEPARATION REQUIREMENTS:
- 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 LATERAL SEPARATION CANNOT BE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS. 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 UTILITIES SHALL BE 10'. IF THIS SEPARATION CANNOT 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. ALL DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER TO OUTSIDE
- c) WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION, OR ANYTIME A SANITARY SEWER PASSES OVER A WATERMAIN, 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 WATERMAIN & RCP STORM DRAIN CROSSINGS; MAINTAIN 18" 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 DETAILS W-41 & S-49).
- f) ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL SEPARATION
- 3. ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN &/OR PROFILE BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION.
- 4. DEVELOPER SHALL PROVIDE 30 DAYS ADVANCE WRITTEN NOTICE TO OWNER FOR ANY WORK REQUIRED WITHIN AN EXISTING CITY
 OF RAI FIGH LITHITY FASEMENT TRAVERSING PRIVATE PROPERTY
- 5. CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED BY A 24 HOUR ADVANCE NOTICE TO THE CITY OF RAI FIGH PUBLIC UTILITIES DEPARTMENT.
- 6. SEWER BYPASS PUMPING A BYPASS PLAN SEALED BY AN NC PROFESSIONAL ENGINEER SHALL BE PROVIDED TO RALEIGHH WATER PRIOR TO PUMPING OPERATIONS FOR APPROVAL. THE OPERATIONS AND EQUIPMENT SHALL COMPLY WITH THE PUBLIC UTILITIES
- 7. 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCE MAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.
- 8. IT IS THE DEVELOPER'S RESPONSIBILITY TO ABANDON OR REMOVE EXISTING WATER & SEWER SERVICES NOT BEING USED IN REDEVELOPMENT OF A SITE UNLESS OTHERWISE DIRECTED BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT. THIS INCLUDES ABANDONING TAP AT MAIN & REMOVAL OF SERVICE FROM ROW OR EASEMENT PER CORPUD HANDBOOK PROCEDURE.
- 9. INSTALL 3/4" COPPER WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2'X2' WATERLINE EASEMENT IMMEDIATELY ADJACENT. NOTE: IT IS THE APPLICANT'S RESPONSIBILITY TO PROPERLY SIZE THE WATER SERVICE FOR EACH CONNECTION TO PROVIDE ADEQUATE FLOW & PRESSURE.
- 10. INSTALL 4" PVC SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED EVERY 75 LINEAR FEET MAXIMUM.
- 11. 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.
- 12. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDWQ, USACE &/OR FEMA FOR ANY
- RIPARIAN BUFFER, WETLAND &/OR FLOODPLAIN IMPACTS (RESPECTIVELY) PRIOR TO CONSTRUCTION.

 13. NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS &
- SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION.

 14. GREASE INTERCEPTOR / OIL WATER SEPARATOR SIZING CALCULATIONS & INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE RW FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A UC / BLDG PERMIT. CONTACT (919) 996-4516 OR
- FOG@RALEIGHNC.GOV FOR MORE INFORMATION.

 15. CROSS-CONNECTION CONTROL PROTECTIONS DEVICES ARE REQUIRED BASED ON THE DEGREE OF HEALTH HAZARD INVOLVED AS

LISTED IN APPENDIX B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NORTH CAROLINA.

- 16. THE DEVICES SHALL MEET THE AMERICAN SOCIETY OF SANITARY ENGINEERING (SAAE) STANDARDS AND BE ON THE UNIVERSITY OF SOUTHERN CAROLINA APPROVAL LIST.
- 17. THE DEVICE AND INSTALLATION SHALL MEET THE GUIDELINES OF APPENDIX A GUIDELINES AND REQUIREMENTS FOR THE CROSS CONNECTION PROGRAM IN RALEIGH'S SERVICE AREA.
- 18. THE DEVICES SHALL BE INSTALLED AND TESTED (BOTH INITIAL AND PERIODIC TESTING THEREAFTER) IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OR THE LOCAL CROSS CONNECTION CONTROL PROGRAM, WHICH EVER IS MORE STRINGENT.

 CONTACT: CROSS.CONNECTION@RALEIGHNC.GOV FOR MORE INFORMATION.
- 19. NOTICE FOR PROJECTS THAT INVOLVE AN OVERSIZED MAIN OR URBAN MAIN REPLACEMENT. ANY CITY REIMBURSEMENT GREATER THAN \$250,000 MUST UNDERGO THE PUBLIC BIDDING PROCESS.

NOTES:

DEEDS OF EASEMENT FOR SANITARY SEWER PURPOSES TO CITY OF RALEIGH RECORDED IN BOOK 12249, PAGE 864 AND BOOK 12466, PAGE 1149 AND AS SHOWN ON RECORDED PLAT IN BOOK OF MAPS 2006, PAGES 2216 AND 2217, WAKE COUNTY REGISTRY.

(DEED OF EASEMENT SUPERSEDED BY BM 2008 PG 480 & 481)

RIGHT OF WAY AND UTILITY EASEMENTS RECORDED IN BOOK 13736, PAGES 1287 AND 1294 AND AS SHOWN ON RECORDED PLAT IN BOOK OF MAPS 2009, PAGE 1091, WAKE COUNTY REGISTRY.

(AS SHOWN ON SURVEY)

DEEDS OF EASEMENT FOR SANITARY SEWER PURPOSES TO CITY OF RALEIGH RECORDED IN BOOK 12249, PAGE 860 AND BOOK 12466, PAGE 1171 AND AS SHOWN ON RECORDED PLAT IN BOOK OF MAPS 2006, PAGES 2216 AND 2217, WAKE COUNTY REGISTRY.

GENERAL NOTES:

SEE CASE CD 22-04 FOR OVERALL SITE DEVELOPMENT

GRADING NOTES

- 1. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION, FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH. EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRES THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER, PROVIDED BY CONTRACTOR RESPONSIBLE FOR
- 3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF ROLESVILLE AND/OR NCDOT STANDARDS AND SPECIFICATIONS AS APPLICABLE.
- 4. CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
- CONSTRUCTION, MAINTENANCE AND REMOVAL OF ALL EROSION CONTROL DEVICES ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. TIMING OF REMOVAL SHALL BE COORDINATED WITH THE EROSION CONTROL INSPECTOR.
- 6. EXISTING UTILITIES AND STRUCTURES SHOWN, BOTH UNDERGROUND AND ABOVE GROUND, ARE BASED ON A FIELD SURVEY AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- 7. SOIL UNDER BUILDINGS, PAVED AREAS AND WITHIN SLOPES GREATER THAN 3:1 (H:V) SHALL BE APPROVED, PLACED AND COMPACTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

RETAINING WALL NOTES

- 1. THE RETAINING WALL ALIGNMENT SHOWN ON THESE PLANS DEPICTS THE LOCATION OF THE FRONT FACE OF THE RETAINING WALL AT THE TOP OF THE WALL. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING RETAINING WALLS ARE NOT LOCATED IN ANY STREAM BUFFERS, AND THEIR CONSTRUCTION DOES NOT ENCROACH INTO ANY ADJACENT PROPERTIES DUE TO ANY BATTER INCORPORATED IN THE DESIGN OF THE WALLS.
- 2. RETAINING WALLS ARE TO BE DESIGN-BUILD PROJECTS BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN FINAL CONSTRUCTION DRAWINGS FROM A REGISTERED ENGINEER AND GAIN ALL REQUIRED PERMITS NECESSARY FOR THE CONSTRUCTION OF THE RETAINING WALLS.
- 3. RETAINING WALLS SHALL BE ASSUMED TO BE BACKFILLED WITH OFF-SITE BORROW MATERIAL OR PROCESSED FILL, UNLESS THE CONTRACTOR CAN PROVIDE TO THE OWNER WITH CONFIRMATION FROM THE GEOTECHNICAL ENGINEER AND THE RETAINING WALL DESIGNER, THAT READILY AVAILABLE ON-SITE SOILS CAN BE USED.
- 4. THE TOP AND BOTTOM OF WALL ELEVATIONS SHOWN ON THESE PLANS IDENTIFY FINISHED GRADE ELEVATIONS ONLY. THE EXTENT THAT THE RETAINING WALL WILL BE EXTENDED BELOW GRADE TO THE FOOTING OR ABOVE GRADE TO THE TOP OF THE CAP BLOCK COURSE SHALL BE IDENTIFIED ON THE RETAINING WALL CONSTRUCTION
- 5. ALL RETAINING WALLS OVER 30" HIGH SHALL HAVE A SAFETY FENCE (DESIGN BY OTHERS).
- 6. ANY TIEBACK SYSTEMS FOR THE RETAINING WALLS SHALL NOT BE ALLOWED WITHIN PUBLIC RIGHT-OF-WAY.



CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.



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Durham, NC 27713

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OK-TOWNHON INTY PLAN

SEAL 22630

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REVISIONS

NO. DATE

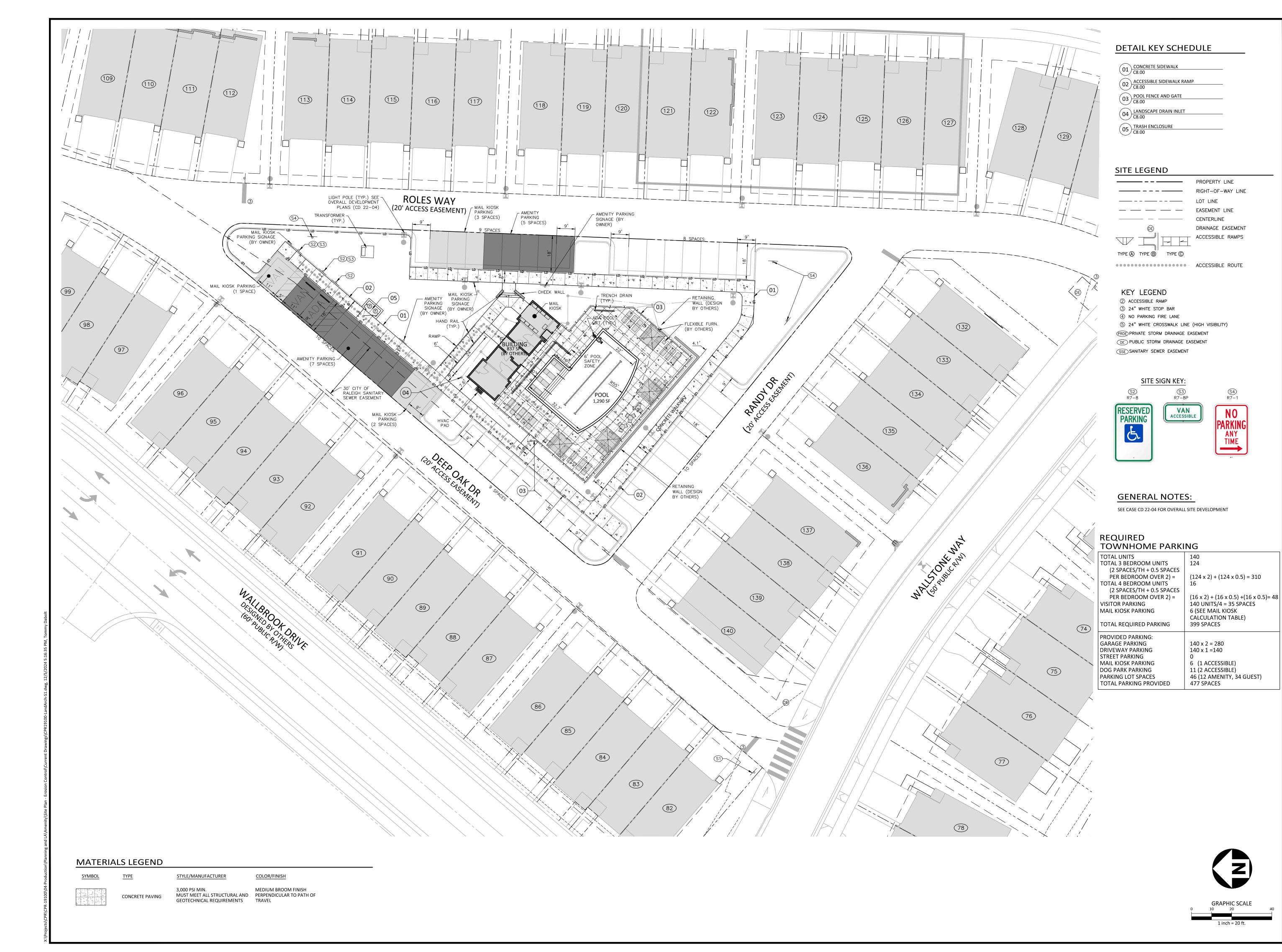
1 12.06.2024 UPDATED PER COUNTY COMMENTS

PLAN INFORMATION

PROJECT NO. CPR-19100
FILENAME CPR-19100-N2
CHECKED BY SRD
DRAWN BY CMXY
SCALE N/A
DATE 10. 28. 2022

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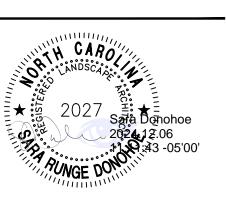
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SOK-TOWNHON IENITY PLAN



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NO. DATE

1 12. 06. 2024 UPDATED PER COUNTY COMMENTS

PLAN INFORMATION

PROJECT NO. CPR-19100

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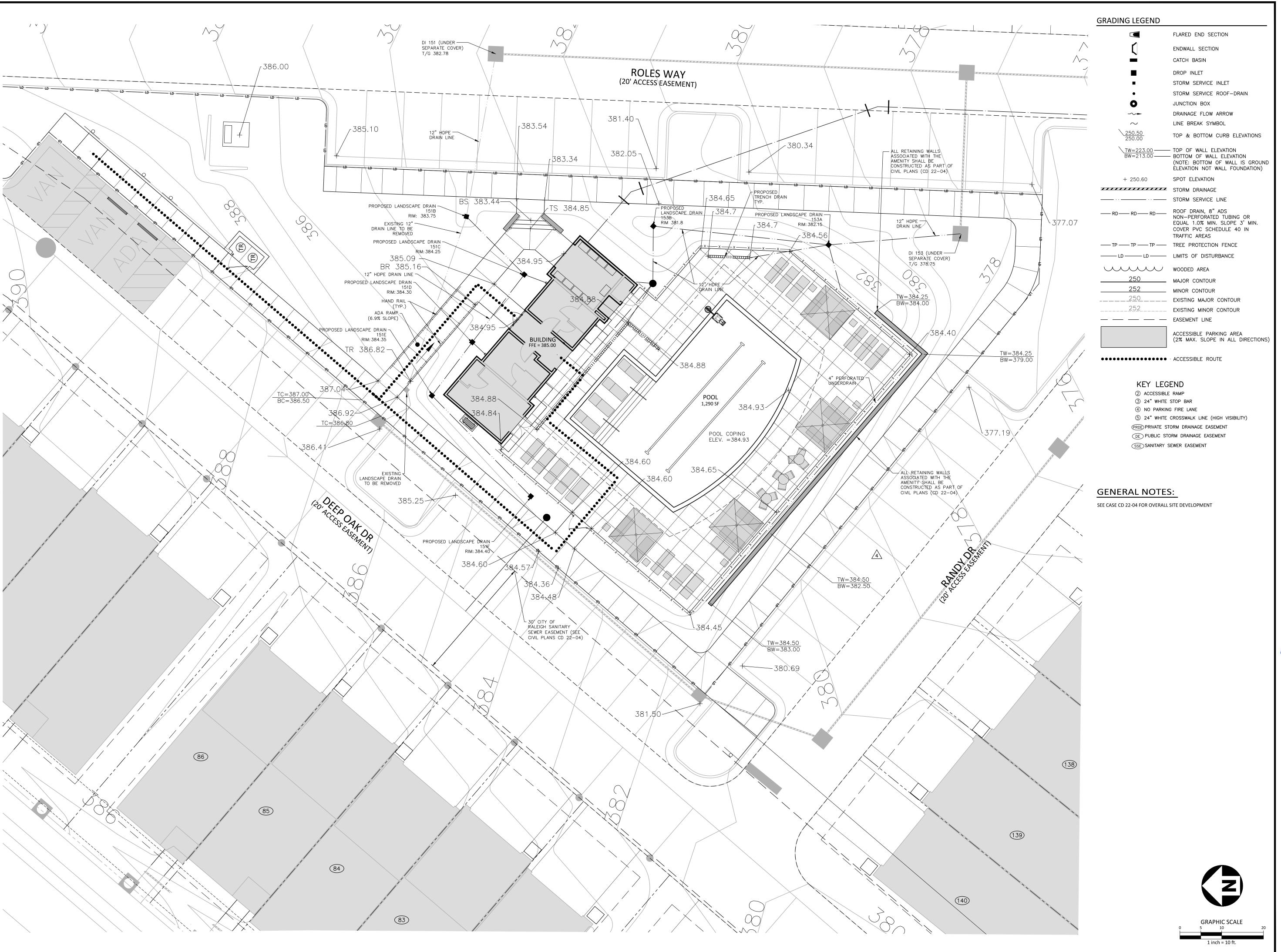
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DATE 10. 28. 2022

SHEET

SITE PLAN

C2.00





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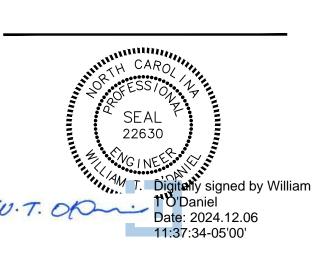
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OOK-TOWNHON JENITY PLAN



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NO. DATE1 12. 06. 2024 UPDATED PER COUNTY COMMENTS

PLAN INFORMATION

PROJECT NO. CPR-19100

FILENAME CPR19100-LandArch-G2

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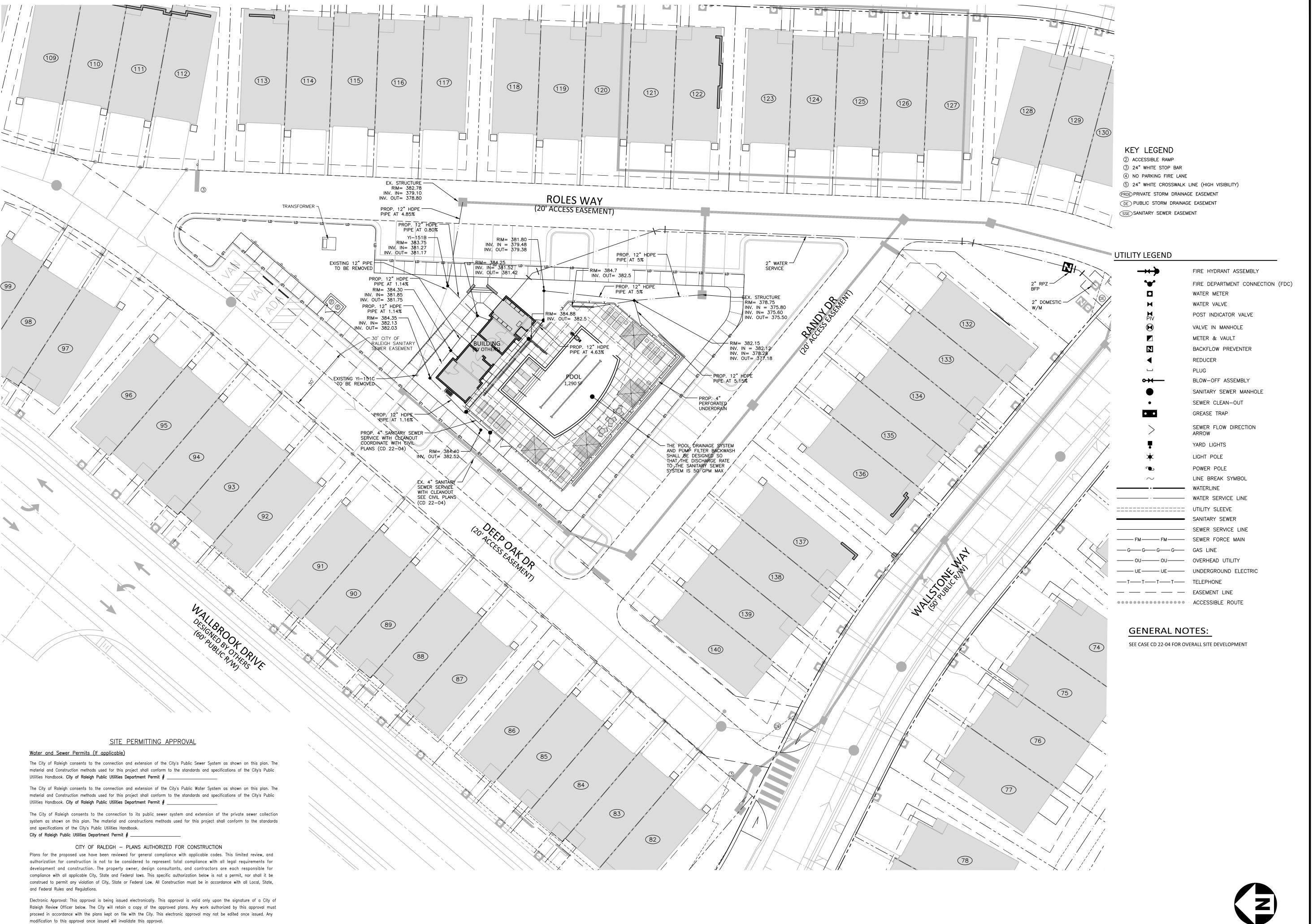
SCALE 1"=10'

DATE 10. 28. 2022

SHEET

GRADING AND STORM DRAINAGE PLAN

C3.00



City of Raleigh Development Approval ____

City of Raleigh Review Officer



The John R. McAdams Company, Inc. 2905 Meridian Parkway Durham, NC 27713

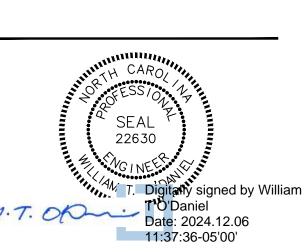
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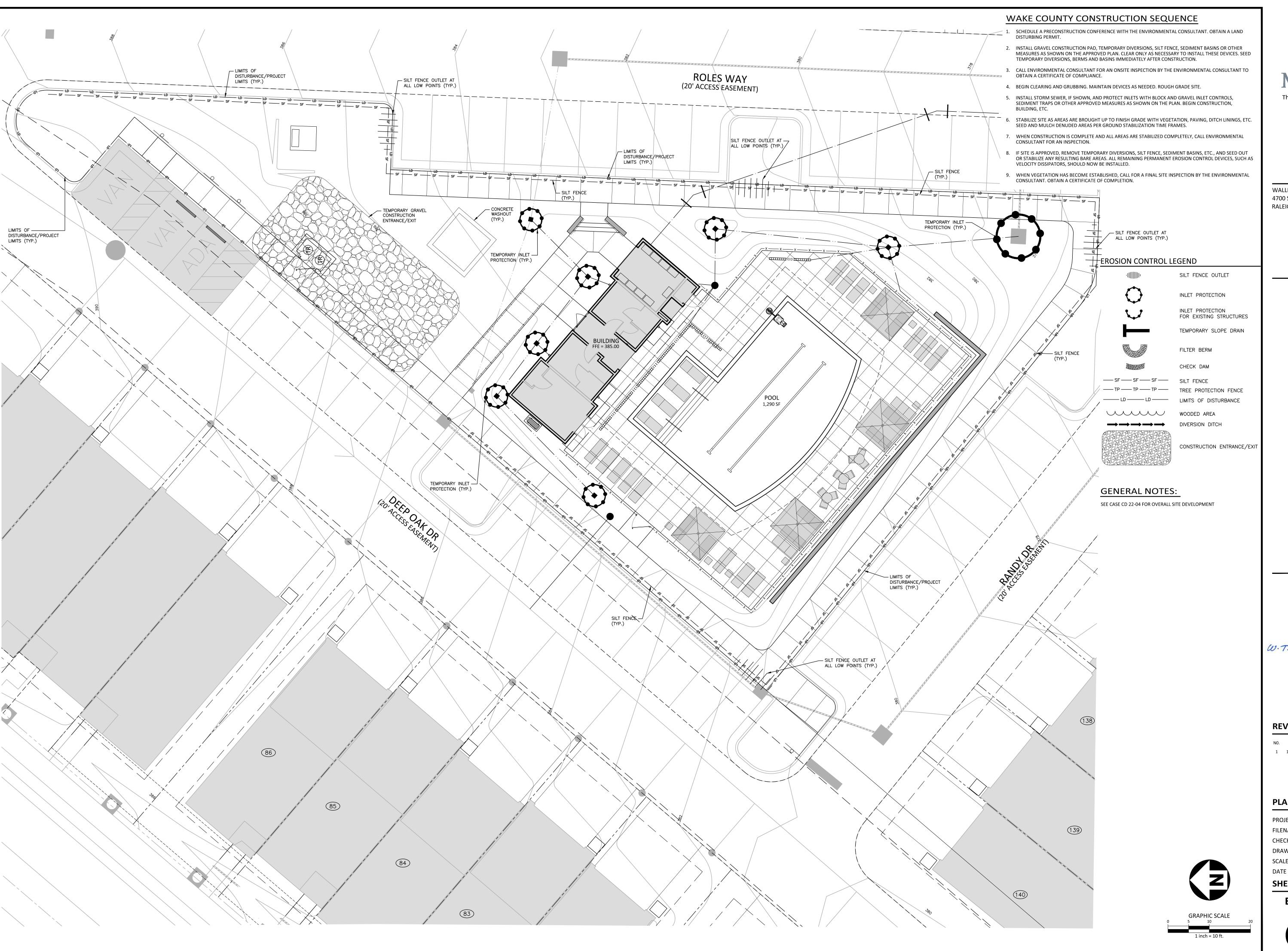
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PLAN INFORMATION

PROJECT NO. CPR-19100 FILENAME CPR19100-LandArch-U2 CHECKED BY

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UTILITY PLAN





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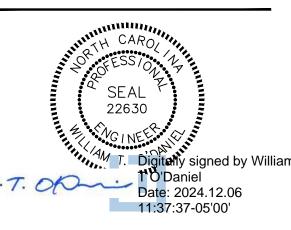
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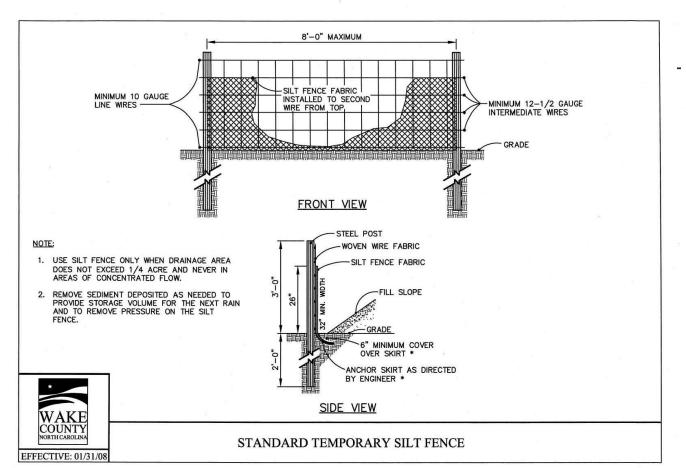
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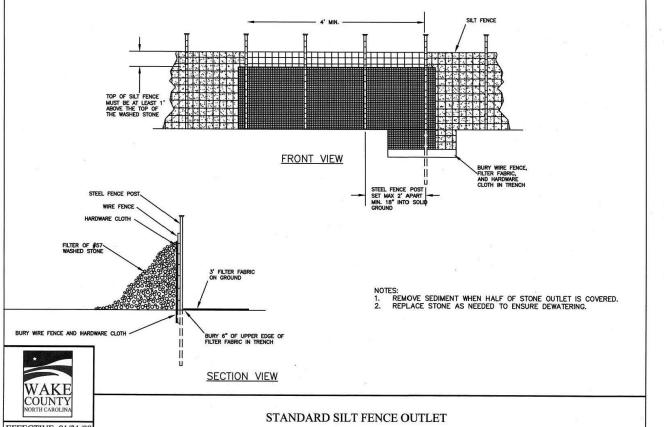
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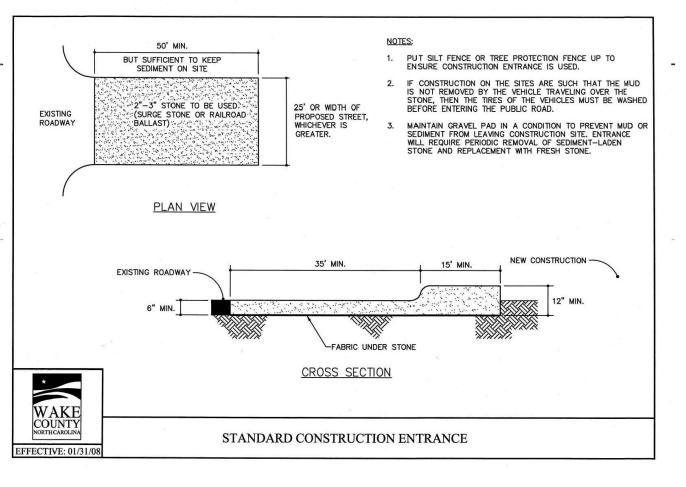
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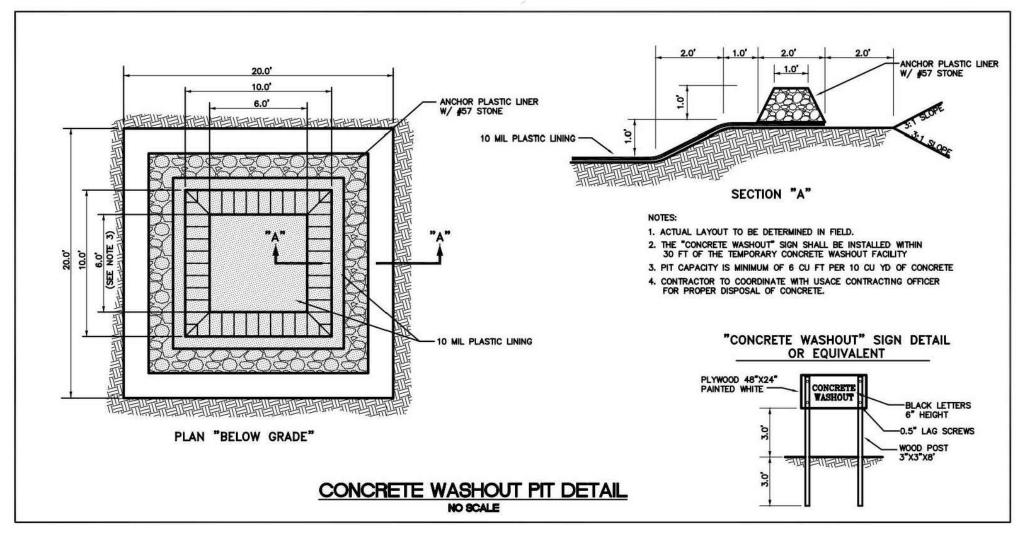
EROSION CONTROL PLAN

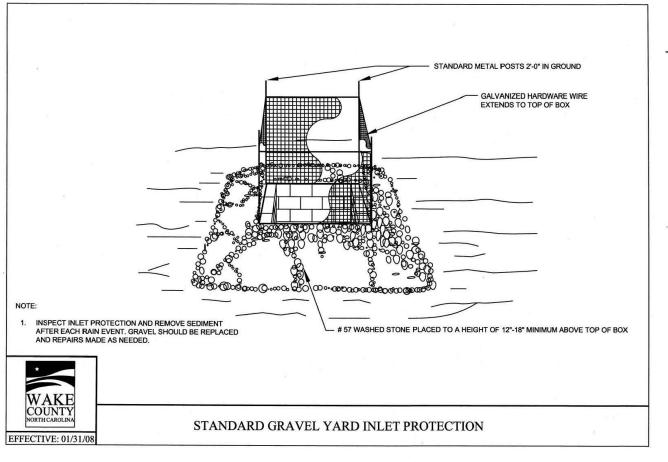
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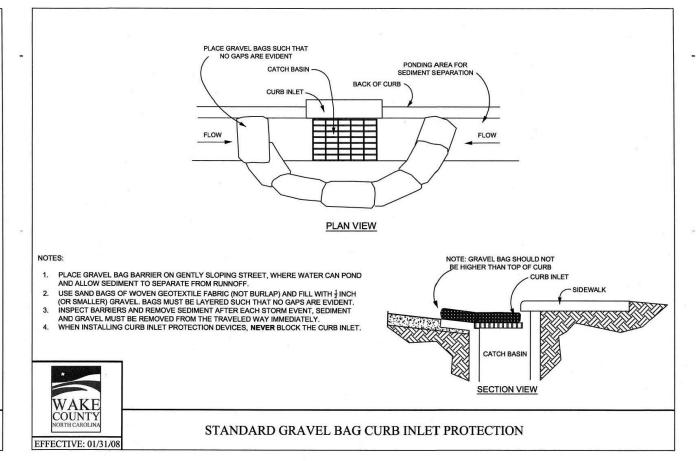














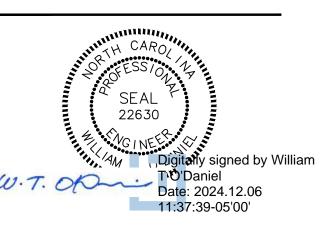
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OOK-TOWNHON IENITY PLAN



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NO. DATE

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PLAN INFORMATION

PROJECT NO. CPR-19100

FILENAME CPR-19100-EC-D1

CHECKED BY WTO

DRAWN BY TKD
SCALE N/A
DATE 10. 28. 2022

SHEET

EROSION CONTROL DETAILS C6.01

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

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

SECTION E: GROUND STABILIZATION

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

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

GROUND STABILIZATION SPECIFICATION

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

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

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the NC DWR List of Approved PAMS/Flocculants.
- 2. Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.

Rolled erosion control products with grass seed

- Apply flocculants at the concentrations specified in the NC DWR List of Approved
 PAMS/Flocculants and in accordance with the manufacturer's instructions.
- 4. Provide ponding area for containment of treated Stormwater before discharging offsite.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

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

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

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

PAINT AND OTHER LIQUID WASTE

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

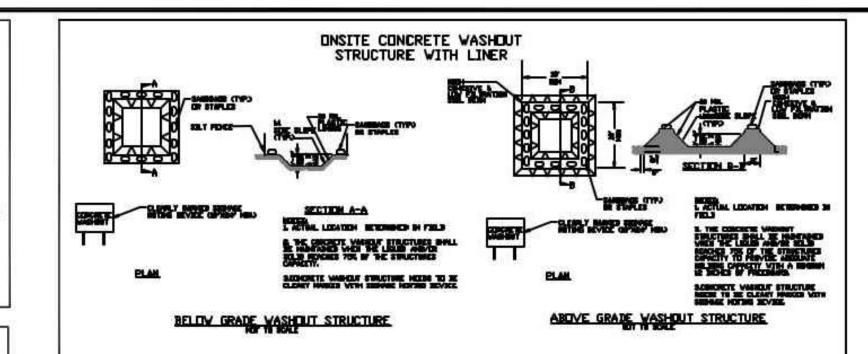
PORTABLE TOILETS

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

EARTHEN STOCKPILE MANAGEMENT

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





CONCRETE WASHOUTS

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

HERBICIDES, PESTICIDES AND RODENTICIDES

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

HAZARDOUS AND TOXIC WASTE

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

For questions and assistance, please contact NCDEQ at 919-707-3639.

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

A-12



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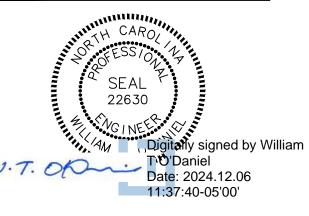
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K-TOWNHON IITY PLAN

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1 12. 06. 2024 UPDATED PER COUNTY COMMENT

PLAN INFORMATION

PROJECT NO. CPR-19100

FILENAME CPR-19100-ECC

CHECKED BY WTO

DRAWN BY TKD

SCALE N/A

DATE 10. 28. 2022

SHEET

DETAILS C6.02

PART III

SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION

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

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

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. E&SC Plan Documentation

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

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

2. Additional Documentation to be Kept on Site

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

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

3. Documentation to be Retained for Three Years

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

PART II, SECTION G, ITEM (4) DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

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

- (a) The E&SC plan authority has been provided with documentation of the non-surface withdrawal and the specific time periods or conditions in which it will occur. The non-surface withdrawal shall not commence until the E&SC plan authority has approved these items,
- (b) The non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, Item (2)(c) and (d) of this permit,
- (c) Dewatering discharges are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of appropriate controls include properly sited, designed and maintained dewatering tanks, weir tanks, and filtration systems,
- (d) Vegetated, upland areas of the sites or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in Item (c) above,
- (e) Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and
- Sediment removed from the dewatering treatment devices described in Item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States.

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING

1. Occurrences that Must be Reported

Permittees shall report the following occurrences:

- (a) Visible sediment deposition in a stream or wetland.
- (b) Oil spills if:
- · They are 25 gallons or more,
- . They are less than 25 gallons but cannot be cleaned up within 24 hours,
- · They cause sheen on surface waters (regardless of volume), or
- . They are within 100 feet of surface waters (regardless of volume).
- (c) Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.
- (d) Anticipated bypasses and unanticipated bypasses.
- (e) Noncompliance with the conditions of this permit that may endanger health or the environment.

2. Reporting Timeframes and Other Requirements

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

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



For questions and assistance, please contact NCDEQ at 919-707-3639.

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

A-13



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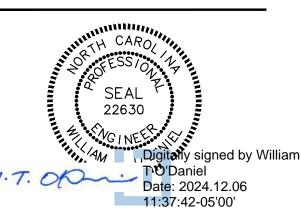
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WALLBROOK LANDCO, LLC 4700 SIX FORKS RD, SUITE 150 RALEIGH, NORTH CAROLINA 27609

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SITE DEVELOPMENT P

ROLESVILLE, NORTH CAROLIN.



REVISIONS

1 12. 06. 2024 UPDATED PER COUNTY COMMENTS

PLAN INFORMATION

PROJECT NO. CPR-19100

FILENAME CPR-19100-EC
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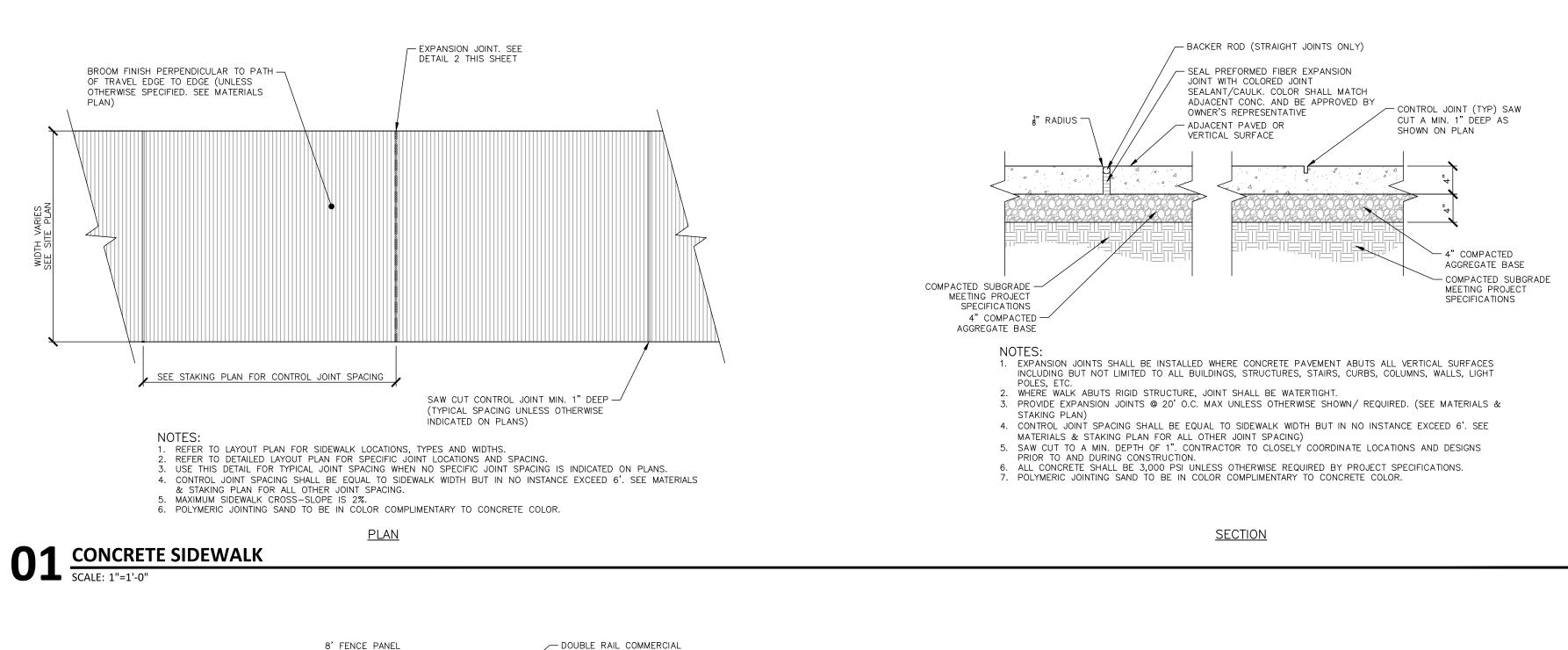
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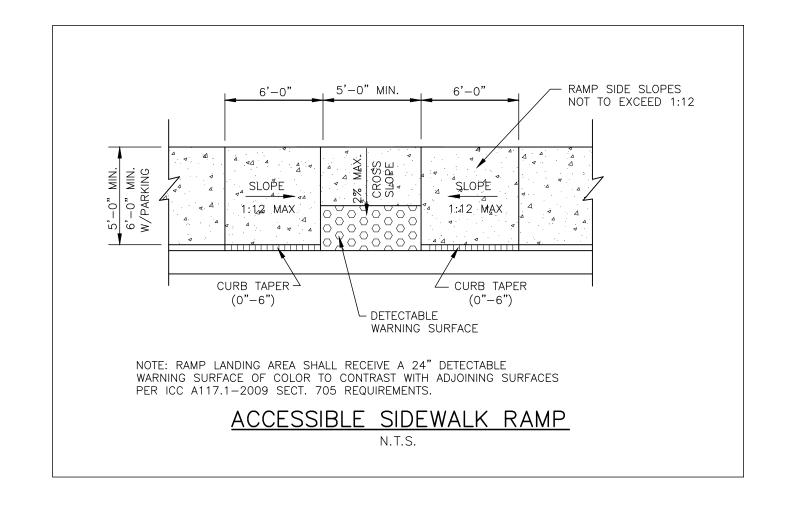
SCALE N/A

DATE 10. 28. 2022

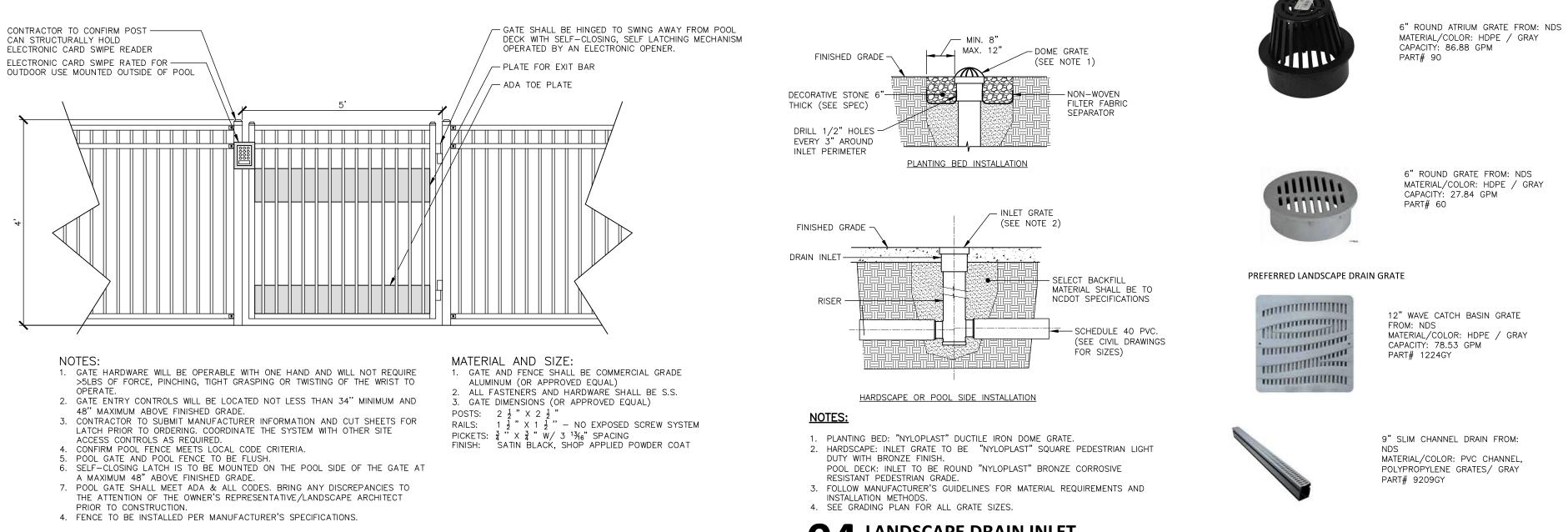
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DETAILS C6.03

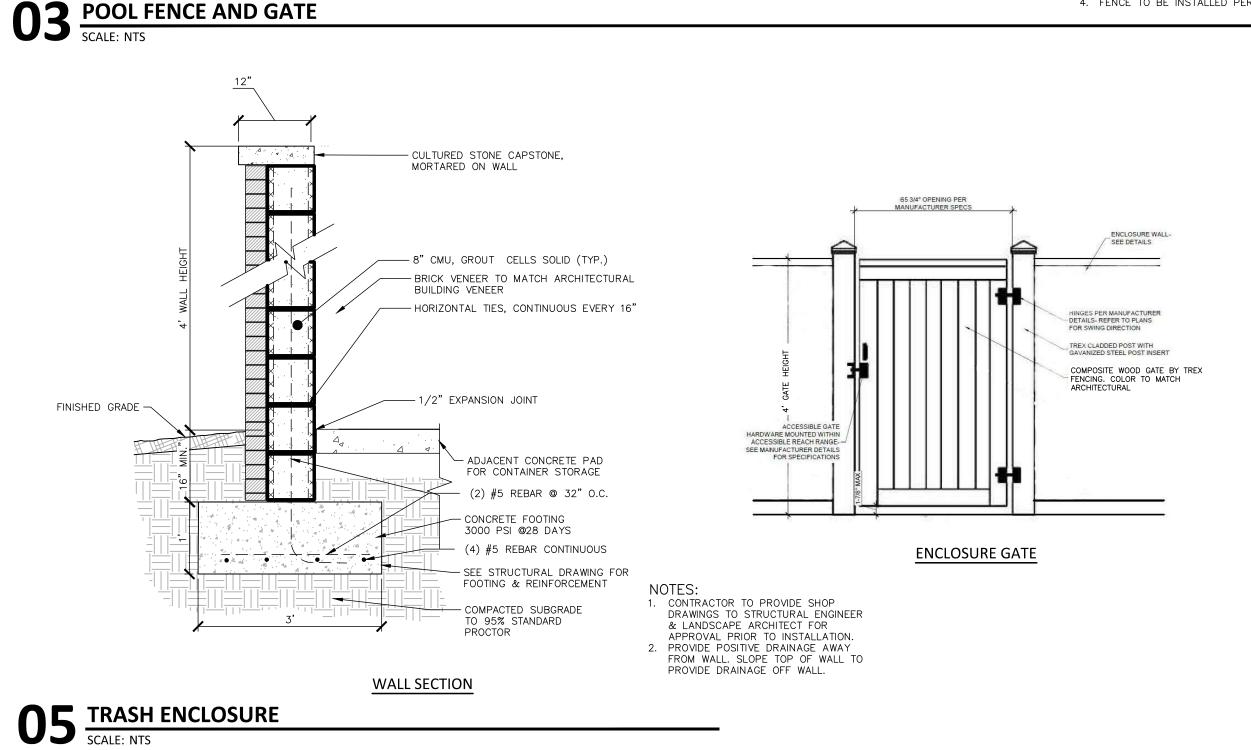




O2 ACCESSIBLE SIDEWALK RAMP SCALE: NTS



04 LANDSCAPE DRAIN INLET SCALE: NTS



GRADE ALUMINUM. POOL

CONCRETE FOOTINGS PER

MANUFACTURER'S

SPECIFICATIONS

PERIMETER FENCE.

(EXCEPT WHERE CUSTOM SECTIONS

ARE REQUIRED)

3. FENCE DIMENSIONS (OR EQUAL) - CONTRACTOR TO ENSURE FENCE MEETS ALL APPLICABLE POOL CODES COMMERCIAL STRENGTH

5. FOR POOL FENCING, THE HORIZONTAL SPACE BETWEEN VERTICAL MEMBERS SHALL NOT EXCEED 4 INCHES; WHERE THE HORIZONTAL

SPACE BETWEEN VERTICAL MEMBERS EXCEEDS 1-3/4 INCHES THERE SHALL BE AT LEAST 30 INCHES BETWEEN ANY HORIZONTAL

ALL FASTENERS AND HARDWARE SHALL BE S.S.

RAILS: 1 $\frac{1}{2}$ " X 1 $\frac{1}{2}$ " - NO EXPOSED SCREW SYSTEM

4. CONFIRM POOL FENCE MEETS LOCAL CODE CRITERIA

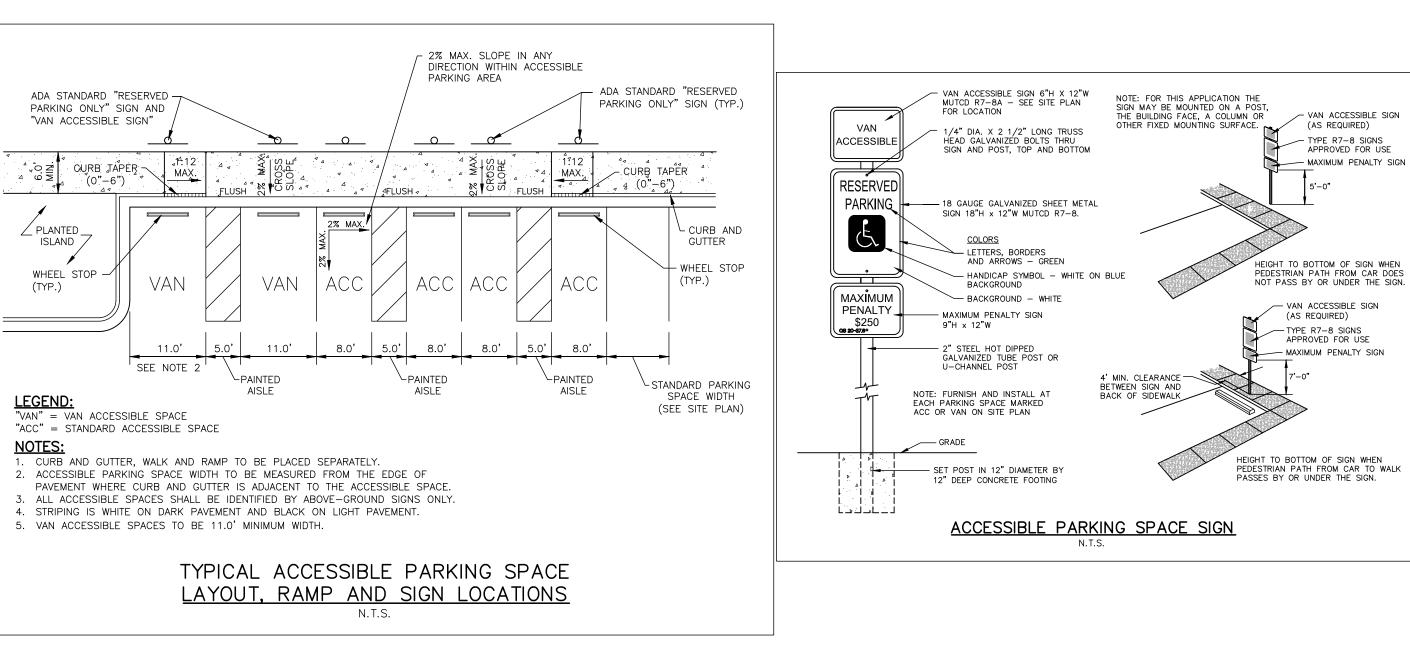
PICKETS: ¾ " X ¾ " W/ 3 1¾6" SPACING COLOR: SATIN BLACK, SHOP APPLIED POWDER COAT

ALUMINUM

POSTS: $2\frac{1}{2}$ " X $2\frac{1}{2}$

. FENCE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

BOTTOM RAIL OR STRINGER AND THE NEXT HORIZONTAL RAIL OR STRINGER.



06 VAN ADA PARKING DETAIL
SCALE: NTS

McAdam

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Z

SITE DEVELOPMENT PLAN
ROLESVILLE, NORTH CAROLINA



REVISIONS

NO. DATE

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PLAN INFORMATION

PROJECT NO. CPR-19100

FILENAME CPR-19100-D2

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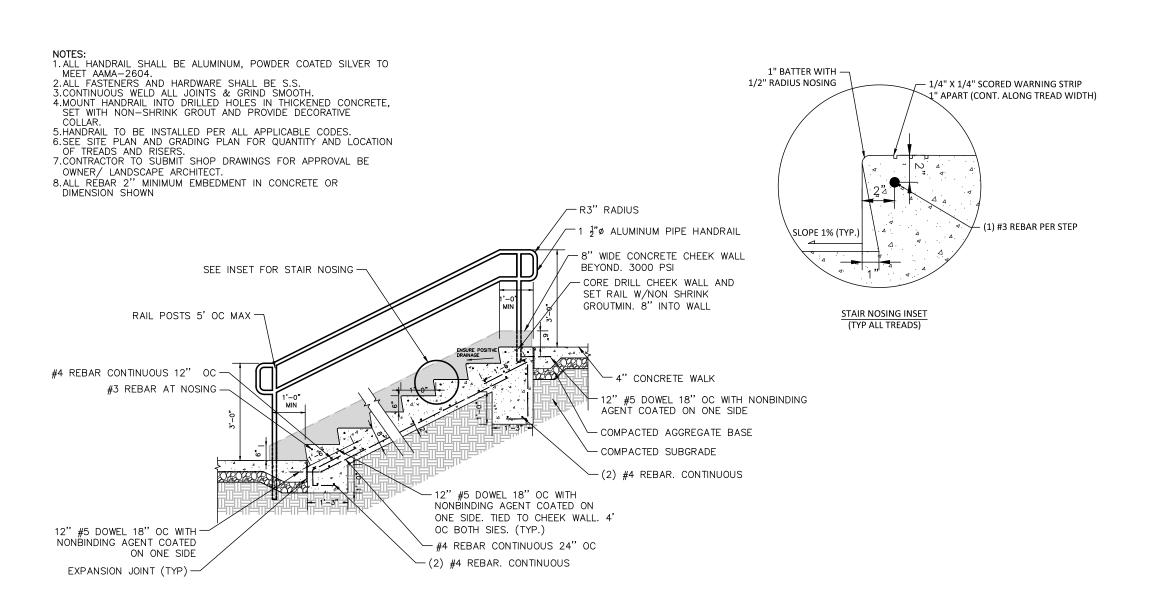
SCALE N/A

DATE 10. 28. 2022

SHEET

SITE DETAILS

C8.00



1 CONCRETE SIDEWALK (TYP.) (6) ESCUTCHEON PLATE 2 EXPANSION JOINT (TYP.) **7**) 2'x2'x2' HANDRAIL FOOTING 3 ADJACENT PAVING (TYP.) 4) 3/4" X 1-1/2", 16 GUAGE POWDER COATED STEEL TUBE RAIL. REFER TO SPECIFICATIONS FOR FINISH ∼ EXTEND HANDRAIL 12" MIN. — 6' MAX BETWEEN POSTS — BEYOND TOP OF RAMP RUN r EXTEND HANDRAIL 12" MIN. BEYOND BOTTOM OF RAMP RUN — 5' LANDING — SEE GRADING PLAN

NUMBER OF RAMPS AND LANDINGS VARY. SEE SITE PLAN AND GRADING PLAN FOR LOCATION AND HEIGHT OF RAMP.
 MAX. RAMP RUN 30 FT. WITH MAX. RISE OF 30 INCHES. PROVIDE LANDINGS 5 FT. LONG EQUAL TO WIDTH OF RAMP AT TOP AND BOTTOM OF EACH RAMP RUN.
 ALL FASTENERS AND HARDWARE SHALL BE S.S.

ALL FASTENERS AND HARDWARE SHALL BE 3.5.
 ALL HANDRAIL COMPONENTS SHALL BE 3/4" X 1-1/2", 16 GUAGE POWDER COATED STEEL TUBE RAIL.
 CONTINUOUS WELD ALL JOINTS & GRIND SMOOTH.
 MOUNT HANDRAIL INTO DRILLED HOLES IN THICKENED CONCRETE, SET WITH NON-SHRINK GROUT AND PROVIDE ESCUTCHEON PLATE.

O1 CONCRETE STAIRS WITH HANDRAIL SCALE: N.T.S.

O2 ADA RAMP WITH HANDRAIL SCALE: NTS

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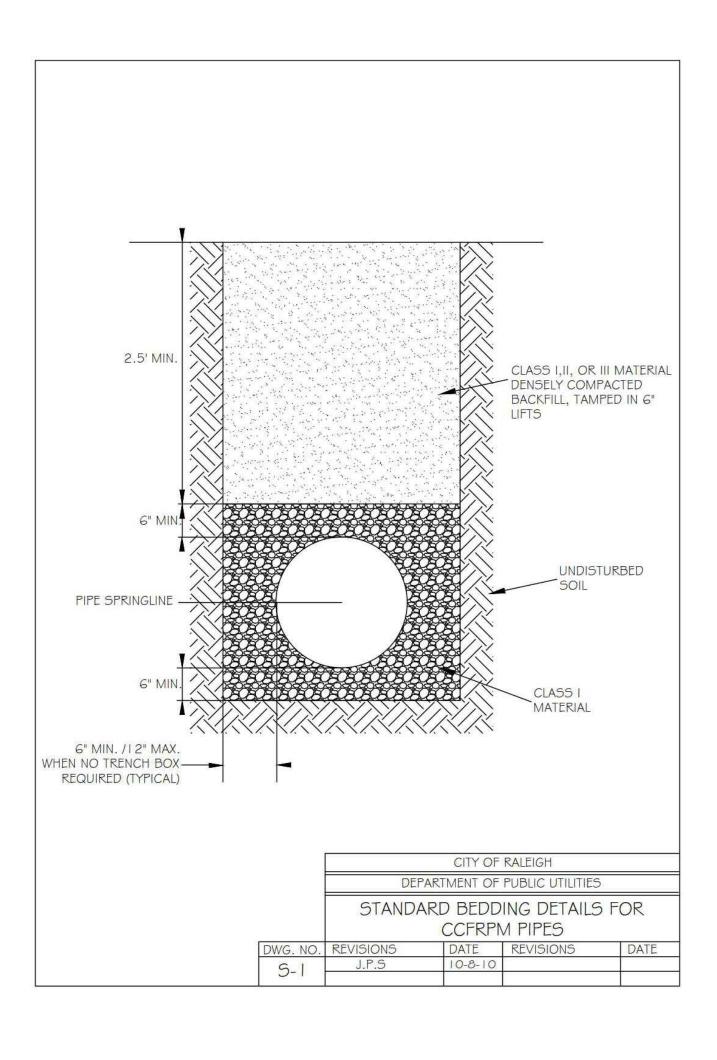
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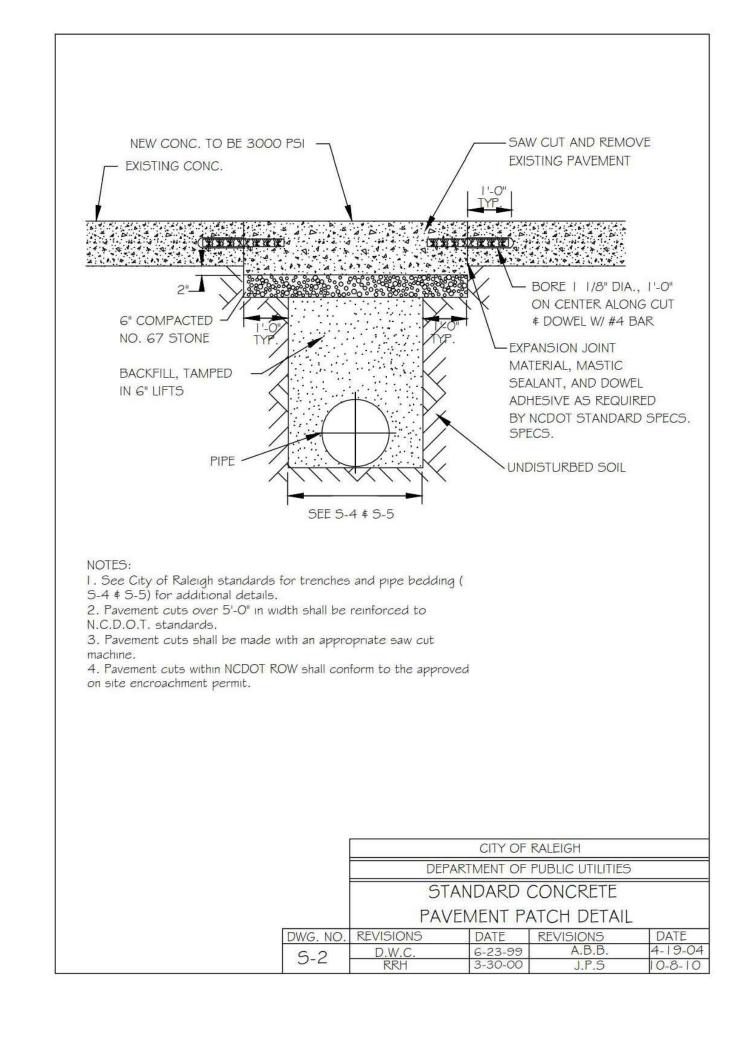
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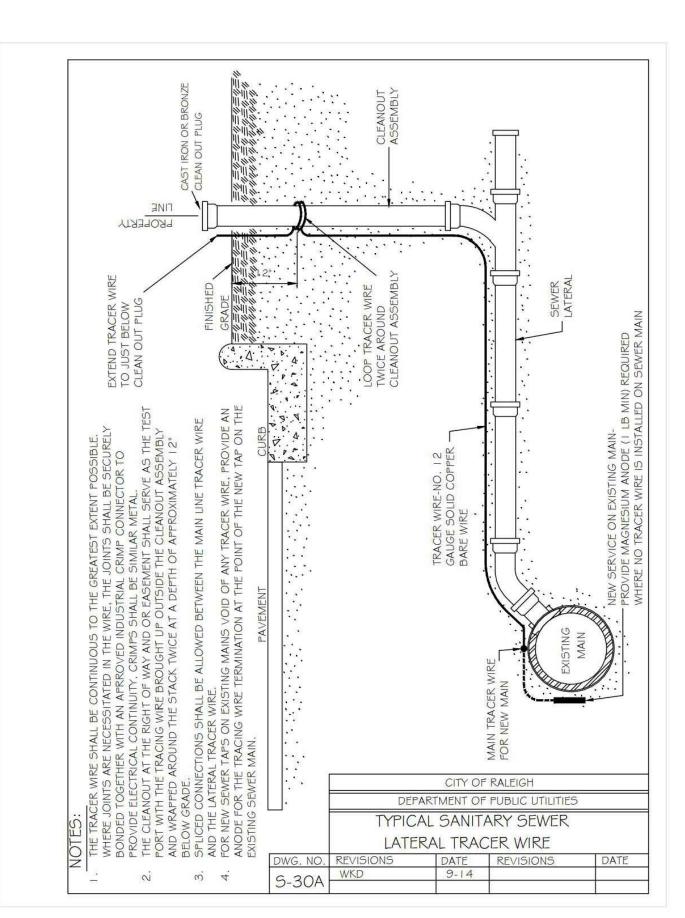
CITY OF RALEIGH

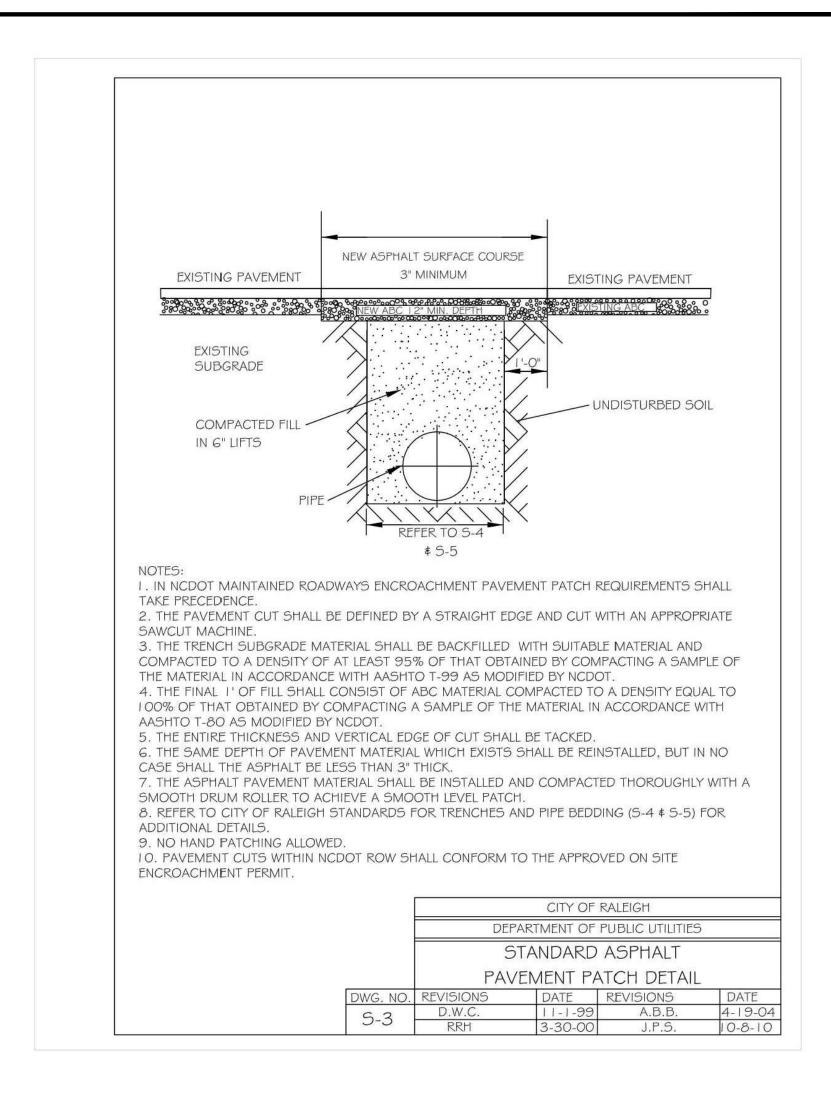
DEPARTMENT OF PUBLIC UTILITIES

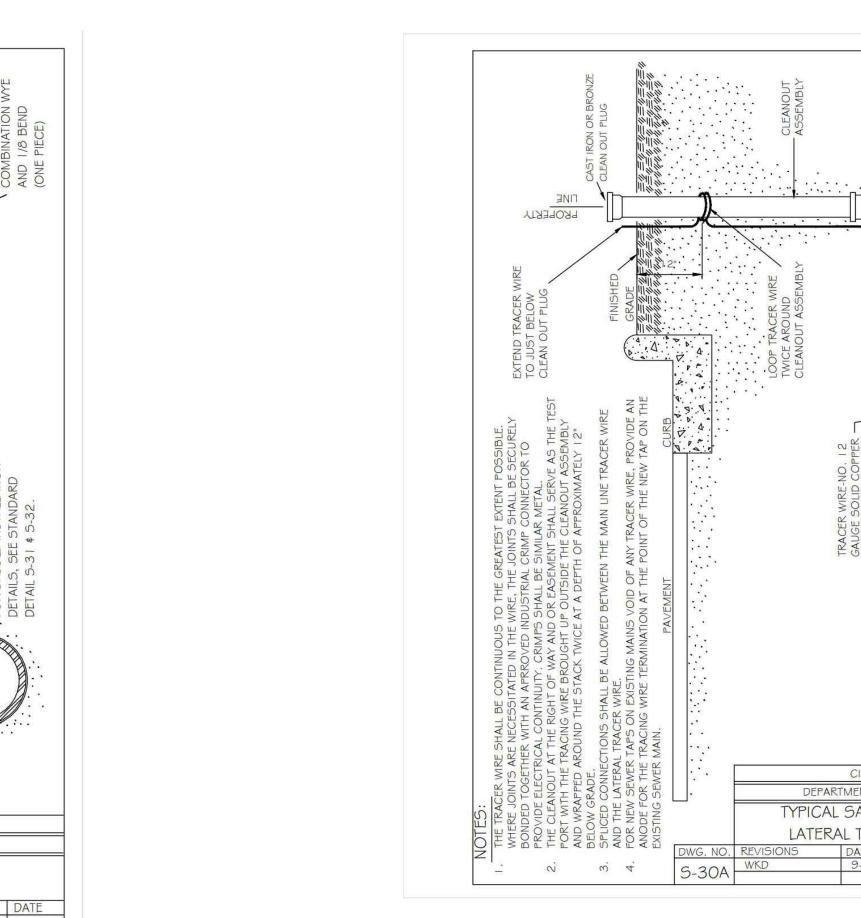
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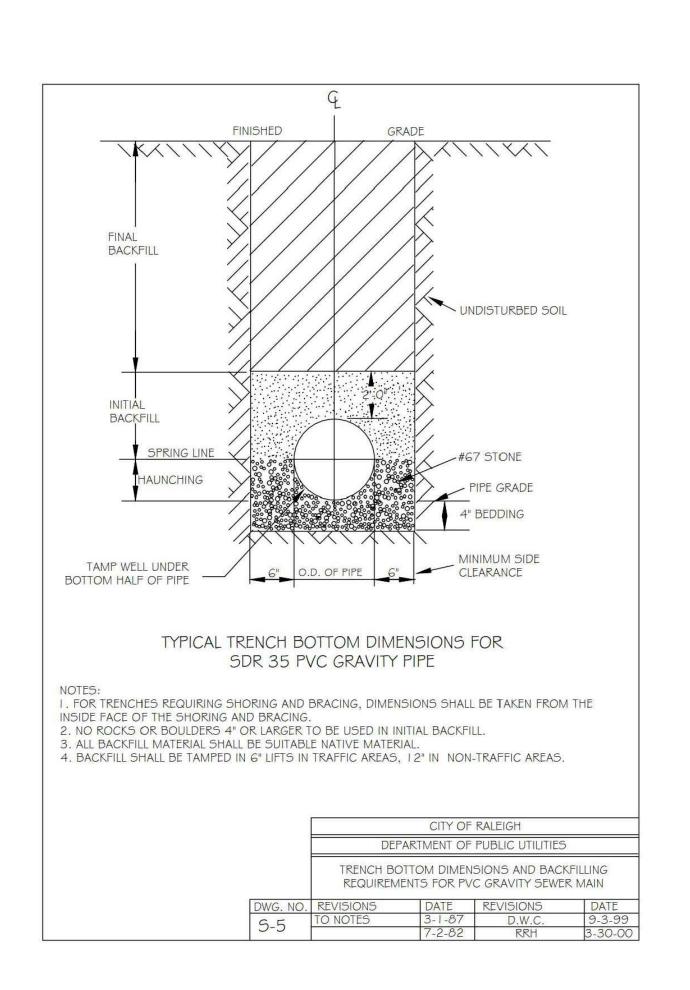
LATERAL CONNECTION













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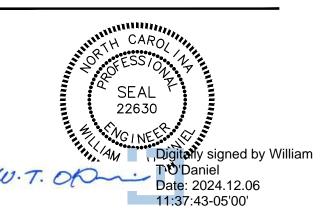
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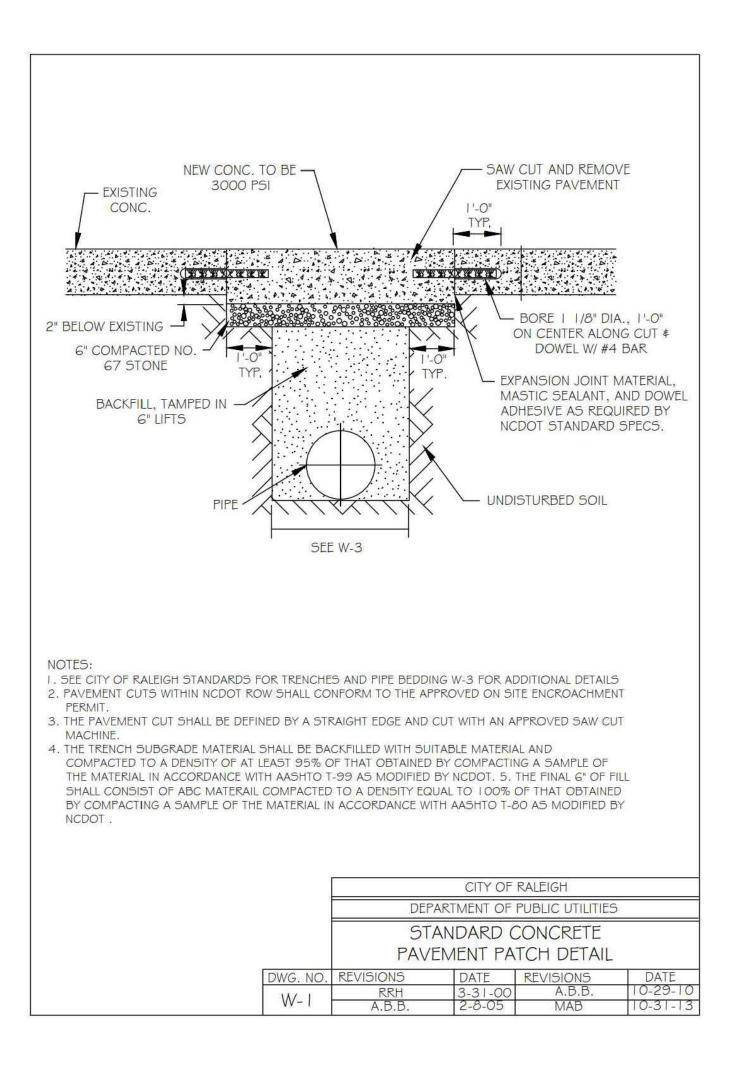
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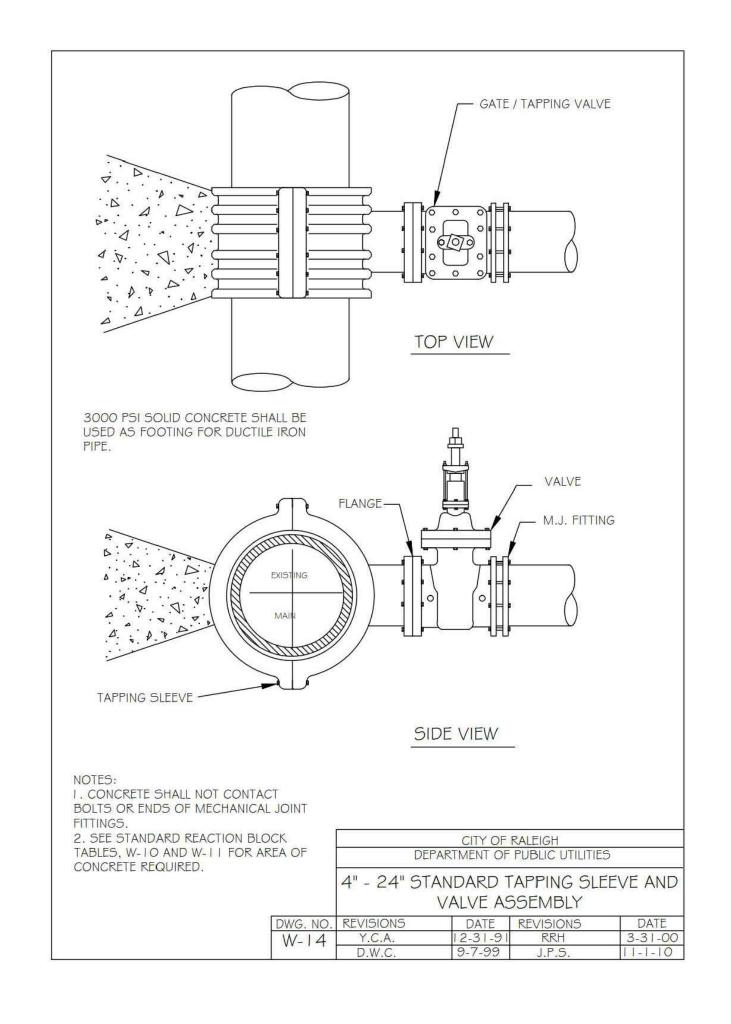
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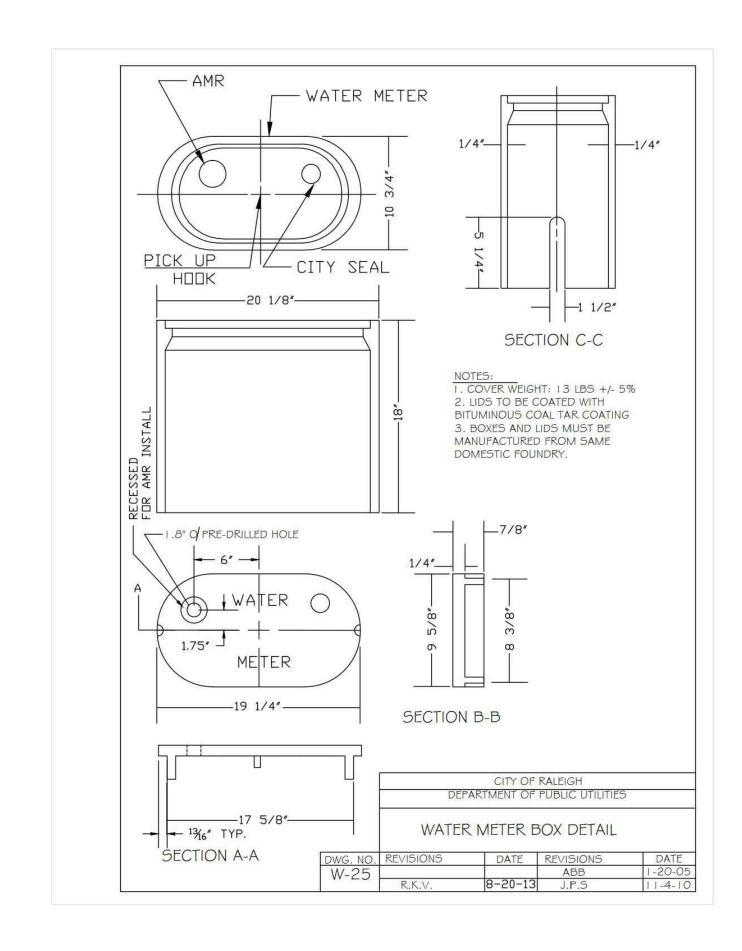
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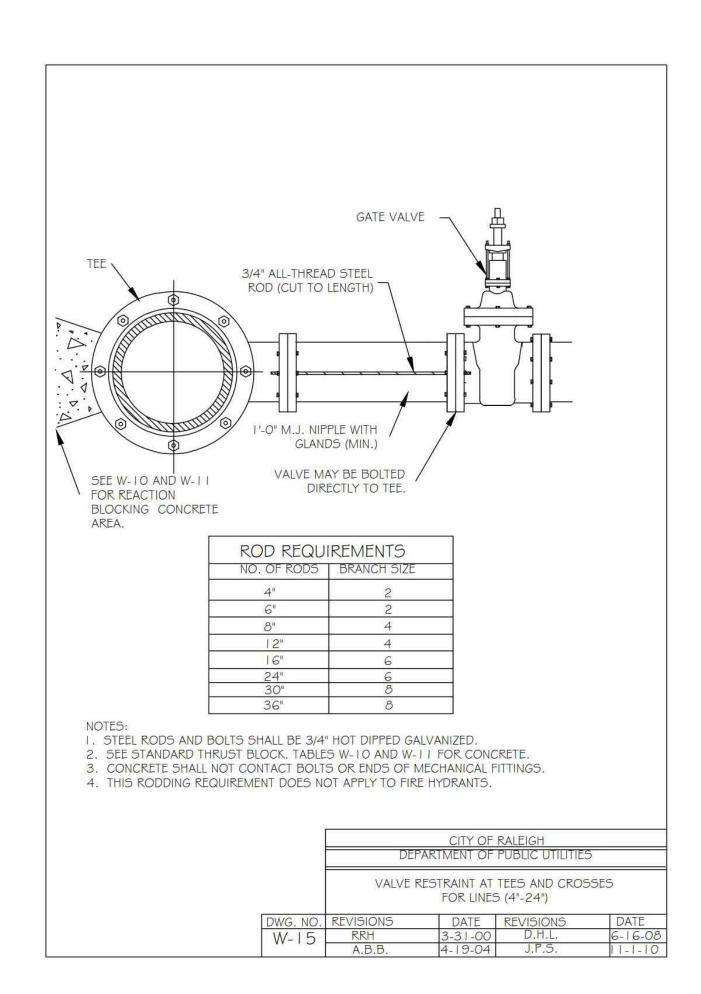
SEWER DETAILS

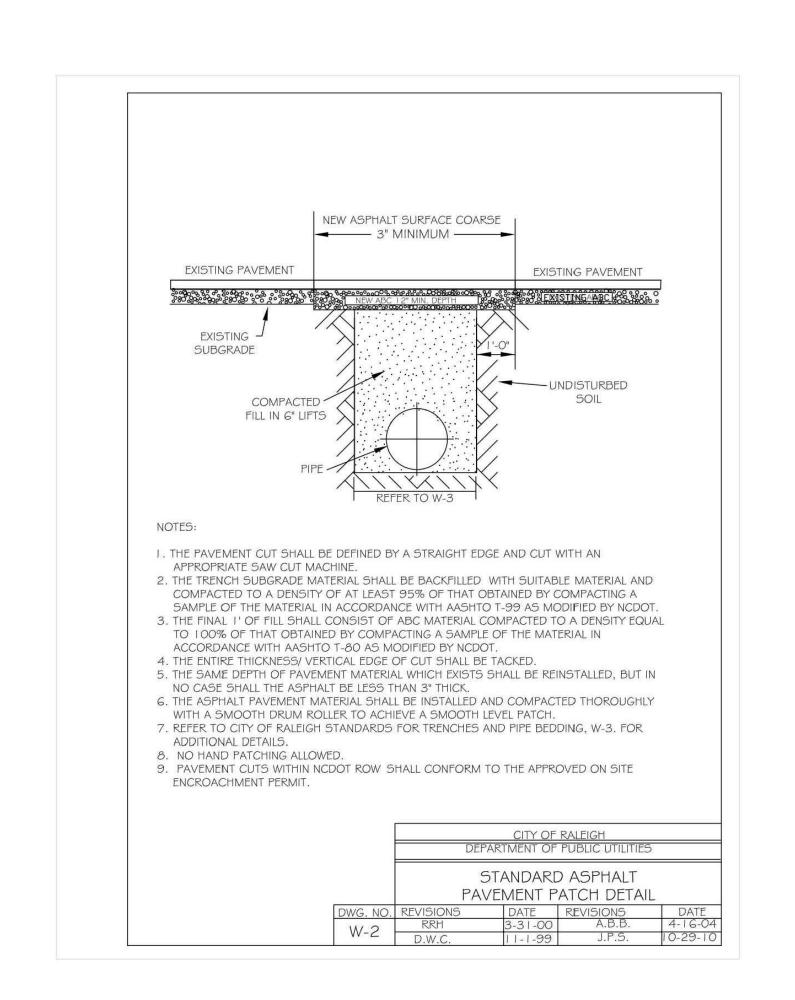
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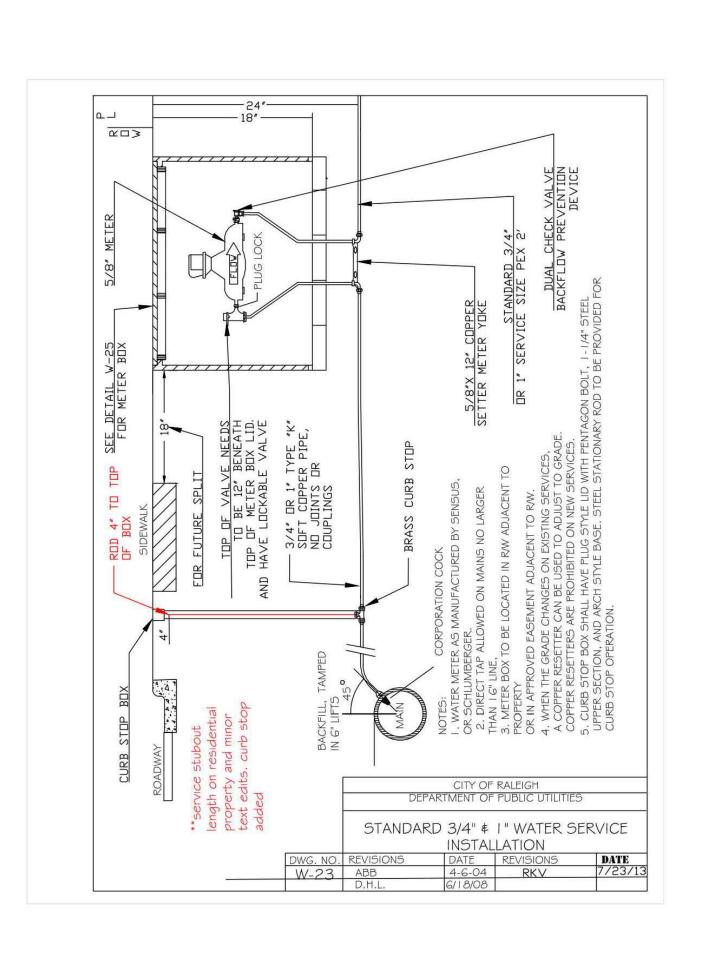














1CADAMS

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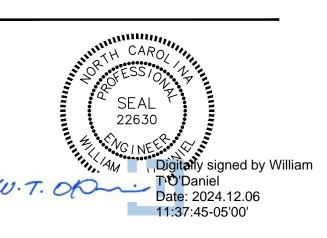
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WALLBROOK LANDCO, LLC 4700 SIX FORKS RD, SUITE 150 RALEIGH, NORTH CAROLINA 27609

K-TOWNHOI JITY PLAN LOPMENT PLAN

SITE DEVELOPME

ROLESVILLE, NORTH CA



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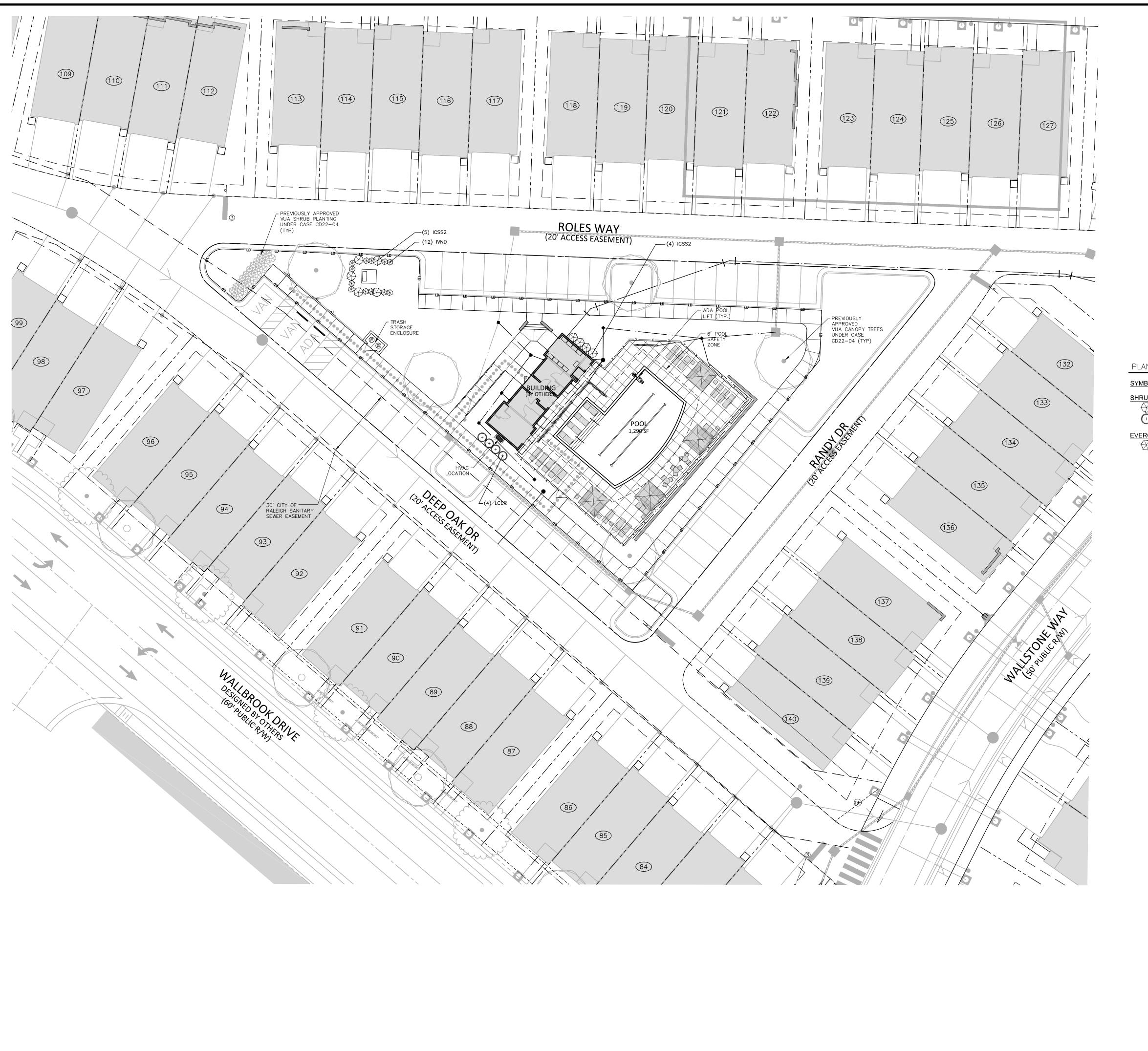
PROJECT NO. CPR-19100
FILENAME CPR-19100-D2
CHECKED BY SRD
DRAWN BY CMXY

SCALE N/A
DATE 10. 28. 2022

SHEET

WATER DETAILS

C8.03



SITE LEGEND

PROPERTY LINE
RIGHT-OF-WAY LINE
LOT LINE
EASEMENT LINE
CENTERLINE
DRAINAGE EASEMENT
ACCESSIBLE RAMPS

TYPE (A) TYPE (B) TYPE (C)

ACCESSIBLE ROUTE

KEY LEGEND

② ACCESSIBLE RAMP
③ 24" WHITE STOP BAR

4 NO PARKING FIRE LANE
 5 24" WHITE CROSSWALK LINE (HIGH VISIBILITY)
 PRDE PRIVATE STORM DRAINAGE EASEMENT

DE PUBLIC STORM DRAINAGE EASEMENT

SSE SANITARY SEWER EASEMENT

GENERAL NOTES:

SEE CASE CD 22-04 FOR OVERALL SITE DEVELOPMENT REGARDING PREVIOUSLY APPROVED PLANT MATERIAL. RELOCATE AS NECESSARY TO AVOID CONFLICTS WITH AMENITY PLANTINGS.

PLANT SCHEDULE

SYMBOL CODE QTY COMMON NAME BOTANICAL NAME HEIGHT REMARKS

SHRUBS

ICSS2 9 Steeds Japanese Holly Ilex crenata 'Steeds' 36"

LCER 4 Ever Red Loropetalum Loropetalum chinense 'Ever Red' 30"

EVERGREEN SHRUBS

IVND 12 Dwarf Yaupon Ilex vomitoria 'Nana' 24" min



MCADAMS

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ALLBROOK-TOWNHOM AMENITY PLAN



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PLAN INFORMATION

PROJECT NO. CPR-19100

FILENAME CPR19100-LandArch-LS1

CHECKED BY SRD

DRAWN BY CMXY

SCALE 1"=20'

DATE 10. 28. 2022

LANDSCAPE PLAN

L5.00

GENERAL LANDSCAPE NOTES:

- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF ROLESVILLE AND THE STATE OF NORTH CAROLINA STANDARDS AND SPECIFICATIONS.
- CONTRACTOR IS RESPONSIBLE FOR THE SITE INSPECTION BEFORE LANDSCAPE
 CONSTRUCTION AND INSTALLATION IN ORDER TO BECOME FAMILIAR WITH THE EXISTING
 CONDITIONS
- 3. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES BEFORE BEGINNING DEMOLITION OR INSTALLATION.
- 4. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN THE NOTES, SPECIFICATIONS, DRAWINGS OR SITE CONDITIONS FOR RESOLUTION PRIOR TO INSTALLATION.
- 5. ANY DAMAGE TO UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 6. THIS PLAN IS FOR PLANTING PURPOSES ONLY. FOR INFORMATION REGARDING BUILDINGS, GRADING, WALLS, ETC., REFER TO ARCHITECTURE, SITE AND GRADING PLANS.
- 7. VERIFICATION OF TOTAL PLANT QUANTITIES AS SHOWN IN THE PLANT SCHEDULE SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
- 8. CONTRACTOR TO ENSURE PROPER STABILIZATION AND SEEDING OF THE SITE IN ACCORDANCE WITH APPLICABLE REGULATIONS.
- 9. LANDSCAPE MATERIAL SHALL BE WELL FORMED, VIGOROUS, GROWING SPECIMENS WITH GROWTH TYPICAL OF VARIETIES SPECIFIED AND SHALL BE FREE FROM DAMAGE, INSECTS AND DISEASES. MATERIAL SHALL EQUAL OR SURPASS #1 QUALITY AS DEFINED IN THE CURRENT ISSUE OF "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION.
- 10. ALL PLANT MATERIAL IS TO BE CAREFULLY HANDLED BY THE ROOT BALL, NOT THE TRUNK, BRANCHES AND/OR FOLIAGE OF THE PLANT. MISHANDLED PLANT MATERIAL MAY BE REJECTED BY THE LANDSCAPE ARCHITECT
- 11. ALL PLANT MATERIAL IS TO BE WELL ROOTED, NOT ROOT BOUND, SUCH THAT THE ROOT BALL REMAINS INTACT THROUGHOUT THE PLANTING PROCESS. DEFICIENT PLANT MATERIAL MAY BE REJECTED BY THE LANDSCAPE ARCHITECT OR OWNER.
- 12. ALL PLANTS TO BE A MINIMUM OF WHAT IS SPECIFIED IN THE PLANT SCHEDULE. ANY CHANGES OR SUBSTITUTIONS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT AND GOVERNING JURISDICTION PRIOR TO ANY HOLE BEING DUG.
- 13. CONTRACTOR TO COORDINATE WITH OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT TO ESTABLISH THE EXTENTS OF MULCH/SEED/SOD IF NOT SPECIFICALLY SHOWN ON BLANS
- 14. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE IN ALL PLANTING AREAS.
- 15. PROPOSED TREES TO BE PLANTED A MINIMUM 10 FEET FROM ANY LIGHT POLE AS MEASURED FROM TRUNK OF THE TREE TO THE POLE.

SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.

- PROPOSED TREES TO BE PLANTED A MINIMUM 5 FEET FROM ANY FIRE HYDRANT AS MEASURED FROM TRUNK OF THE TREE TO THE HYDRANT.
- 17. CONTRACTOR SHALL COMPLETE SOIL TEST IN ALL PLANTING AREAS TO DETERMINE SOIL AMENDMENT REQUIREMENTS UNLESS WAIVED BY OWNER'S REPRESENTATIVE. CONTRACTOR SHALL ADJUST PH AND FERTILITY BASED UPON THE SOIL TEST RESULTS.
- 18. TOPSOIL SHALL BE FREE OF MATERIAL LARGER THAN 1.0 INCH IN DIAMETER OR LENGTH AND SHALL NOT CONTAIN SLAG, CINDERS, STONES, LUMPS OF SOIL, STICKS, ROOTS, TRASH, OR OTHER EXTRANEOUS MATERIAL.
- 19. LOOSEN SUBGRADE / SURFACE SOIL TO A MINIMUM DEPTH OF 6 INCHES. APPLY SOIL AMENDMENTS AND FERTILIZERS AS REQUIRED BY THE SOIL TEST RESULTS TO ACHIEVE A HEALTHY GROWING MEDIA AND MIX THOROUGHLY INTO TOP 4 INCHES OF SOIL. SPREAD PLANTING SOIL MIX TO A DEPTH OF 6 INCHES BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER NATURAL SETTLEMENT. DO NOT SPREAD IF PLANTING SOIL OR
- 20. IF IMPORTED TOPSOIL IS REQUIRED, THE SUBGRADE SHALL BE SCARIFIED OR TILLED TO A DEPTH OF AT LEAST 6 INCHES PRIOR TO INSTALLATION OF IMPORTED TOPSOIL. FOLLOWING INSTALLATION OF IMPORTED TOPSOIL, THE TOPSOIL SHALL BE TILLED TO INTEGRATE THE SOIL PROFILES.
- 21. PLANT MATERIALS ARE TO BE GUARANTEED FOR A PERIOD OF 12 MONTHS. PLANT MATERIALS WHICH REMAIN UNHEALTHY WILL BE REPLACED BY THE LANDSCAPE CONTRACTOR BEFORE THE EXPIRATION OF THE GUARANTEE PERIOD OR IMMEDIATELY IF SO DIRECTED BY THE OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT.
- 22. ALL TREE PLANTINGS SHALL BE MULCHED TO A DEPTH OF 3 INCHES, AND WITH A MINIMUM 3 FOOT RADIUS FROM BASE OF TREE OR TO DRIPLINE. MULCH SHALL BE FREE OF TRASH AND MAINTAINED WEED FREE. MULCH SHALL NOT COVER THE ROOT FLARE. CONFIRM MULCH SPECIFICATIONS WITH OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT.
- 23. DO NOT PRUNE TREES AND SHRUBS BEFORE DELIVERY. PROTECT BARK, BRANCHES, AND ROOT SYSTEMS FROM SUN SCALD, DRYING, SWEATING, WHIPPING, AND OTHER HANDLING AND TYING DAMAGE. DO NOT BEND OR BIND-TIE TREES OR SHRUBS IN SUCH A MANNER AS TO DESTROY THEIR NATURAL SHAPE. PROVIDE PROTECTIVE COVERING OF EXTERIOR PLANTS
- DURING DELIVERY. DO NOT DROP EXTERIOR PLANTS DURING DELIVERY AND HANDLING.

 24. DELIVER EXTERIOR PLANTS AFTER PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED AND INSTALL IMMEDIATELY. IMMEDIATELY AFTER UNLOADING, STAND THE TREES UP TO REDUCE THE RISK OF SUN SCALD. PROPERLY STAGED TREES ARE STANDING, UNTIED AND SPACED. UNLESS IMMEDIATELY INSTALLED, SET EXTERIOR PLANTS AND TREES IN SHADE,
- PROTECT FROM WEATHER AND MECHANICAL DAMAGE, AND KEEP ROOTS MOIST.

25. SEE LANDSCAPE DETAILS FOR TREE STAKING REQUIREMENTS.

- 26. EXCAVATE EDGES OF ALL PLANTING BEDS TO 2 INCH DEPTH TO FORM A NEAT AND CRISP DEFINITION.
- 27. CONTRACTOR SHALL REMOVE DEBRIS AND FINE GRADE ALL PLANTING AREAS PRIOR TO INSTALLATION.
- 28. REMOVE GUY WIRES AND STAKES AT END OF WARRANTY PERIOD OR ESTABLISHMENT.
- 29. FINISH GRADING: GRADE PLANTING AREAS TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. GRADE TO WITHIN PLUS OR MINUS 1/2 INCH OF FINISH ELEVATION. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH

GRADES. LIMIT FINISHED GRADING TO AREAS THAT CAN BE PLANTED IN THE IMMEDIATE

WARRANTY & MAINTENANCE:

- 1. WARRANTY: INSTALLER SHALL REPAIR OR REPLACE ANY PLANTINGS THAT FAIL IN MATERIALS, WORKMANSHIP, OR GROWTH WITHIN ONE YEAR AFTER THE DATE OF SUBSTANTIAL COMPLETION. FAILURES
- INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
 DEATH AND UNSATISFACTORY GROWTH, EXCEPT FOR DEFECTS
 RESULTING FROM LACK OF ADEQUATE MAINTENANCE,
 NEGLECT, ABUSE BY OWNER, OR INCIDENTS THAT ARE BEYOND
 CONTRACTOR'S CONTROL.
- STRUCTURAL FAILURES INCLUDING PLANTINGS FALLING OR
 STRUCTURAL FAILURES INCLUDING PLANTINGS FALLING OR
- 2. MAINTENANCE: INITIAL MAINTENANCE SHALL BE PROVIDED IMMEDIATELY AFTER EACH AREA IS PLANTED AND CONTINUE UNTIL SUBSTANTIAL COMPLETION. UPON SUBSTANTIAL COMPLETION, MAINTENANCE FOR ALL PLANT MATERIAL SHALL BE PROVIDED FOR ONE YEAR AT A MINIMUM SHALL INCLUDE:
- TREE AND SHRUB MAINTENANCE: MAINTAIN PLANTINGS BY PRUNING, CULTIVATING, WATERING, WEEDING, FERTILIZING, RESTORING PLANTING SAUCERS, AND RESETTING TO PROPER GRADES OR VERTICAL POSITION, AS REQUIRED TO ESTABLISH HEALTHY, VIABLE PLANTINGS. SPRAY OR TREAT AS REQUIRED TO
- KEEP TREES AND SHRUBS FREE OF INSECTS AND DISEASE.

 GROUND COVER AND PLANT MAINTENANCE: MAINTAIN AND ESTABLISH PLANTINGS BY WATERING, WEEDING, FERTILIZING, MULCHING, AND OTHER OPERATIONS AS REQUIRED TO ESTABLISH HEALTHY, VIABLE PLANTINGS.
- PROTECT EXTERIOR PLANTS FROM DAMAGE DUE TO LANDSCAPE OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADES, AND OTHERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR, OR REPLACE DAMAGED PLANTINGS.

PLANTING SPECIFICATIONS:

- 1. REFER TO CIVIL DRAWINGS FOR NOTES AND DETAILS ON SITE GRADING AND EROSION AND SEDIMENT CONTROL. REFER TO SEEDING AND SODDING NOTES FOR TURF GRASS
- 2. CONTRACTOR TO SUBMIT A LIST OF PLANT MATERIALS AND SOURCES FOR REVIEW BY LANDSCAPE ARCHITECT PRIOR TO PURCHASE AND INSTALLATION. CONTRACTOR TO COORDINATE ANY DISCREPANCIES OR SUBSTITUTIONS WITH LANDSCAPE ARCHITECT.
- 3. DURING DELIVERY, STORAGE AND HANDLING, CONTRACTOR TO PROTECT AND MAINTAIN PLANT LIFE UNTIL PLANTED. PROVIDE PROTECTIVE COVERING OVER ALL PLANTINGS DURING TRANSPORT. ADEQUATELY PROTECT PLANTS FROM DRYING OUT, EXPOSURE OF ROOTS TO SUN, WIND OR EXTREMES OF HEAT AND COLD TEMPERATURES. IF PLANTING IS DELAYED MORE THAN 24 HOURS AFTER DELIVERY, STORE PLANTS IN LOCATION PROTECTED FROM SUN AND WIND AND PROVIDE ADEQUATE WATER TO THE ROOT BALL PACKAGE. PLANT MATERIAL DAMAGED AS A RESULT OF DELIVERY, STORAGE OR HANDLING WILL BE REJECTED.
- 4. PLANTS, INCLUDING TREES, SHRUBS, GROUNDCOVERS, VINES AND ORNAMENTAL GRASSES, TO BE INSTALLED BETWEEN THE FOLLOWING DATES: SPRING PLANTING SEASON: MARCH 15 TO JUNE 1 FALL PLANTING SEASON: SEPTEMBER 15 TO DECEMBER 1
- 5. PROCEED WITH PLANTING ONLY WHEN EXISTING AND FORECASTED WEATHER CONDITIONS PERMIT. PLANT TREES AND SHRUBS AFTER FINISH GRADES ARE ESTABLISHED AND BEFORE PLANTING LAWNS. PROTECT LAWN AREAS TO REMAIN AND PROMPTLY REPAIR DAMAGE CAUSED BY PLANTING OPERATIONS.
- 6. CONTRACTOR SHALL CAREFULLY EXAMINE THE CIVIL, RECORD AND SURVEY DRAWINGS TO BECOME FAMILIAR WITH EXISTING UNDERGROUND CONDITIONS BEFORE DIGGING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF ALL SURFACE AND SUBSURFACE CONDITIONS, AND TO NOTIFY THE LANDSCAPE ARCHITECT OF ANY CIRCUMSTANCES THAT WOULD NEGATIVELY IMPACT UNDERGROUND CONDITIONS OR THE HEALTH OF THE PLANTINGS.
- 1. TREE AND SHRUB MATERIAL: FURNISH NURSERY-GROWN, TYPICAL OF THEIR SPECIES OR VARIETY, WITH NORMAL GROWTH HABIT, WELL-DEVELOPED BRANCH STRUCTURE, HEALTHY FOLIAGE, AND VIGOROUS ROOT SYSTEMS IN ACCORDANCE WITH APPLICABLE REQUIREMENTS IN ANSIZ60.1 "AMERICAN STANDARD FOR NURSERY STOCK". PLANTS SHALL BE FREE FROM DEFECTS OR DAMAGE, INCLUDING BUT NOT LIMITED TO, DISFIGURING KNOTS, SUNSCALD INJURIES, FROST CRACKS, ABRASION OF THE BARK, PLANT DISEASES, INSECT EGGS, BORERS, FIRE ANTS, AND ALL FORMS OF INFESTATION.
- 2. SOIL: ASTM D 5268 TOPSOIL, pH RANGE OF 5.5 TO 7, A MINIMUM OF 6 PERCENT ORGANIC MATERIAL CONTENT; FREE OF STONES 1 INCH OR LARGER IN ANY DIMENSION AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH.
- 3 SOIL AMENDMENT
- A. ORGANIC COMPOST: WELL-COMPOSTED, STABLE AND WEED-FREE ORGANIC MATTER, pH RANGE OF 5.5 TO 8; MOISTURE CONTENT 35 TO 55 PERCENT BY WEIGHT; 100 PERCENT PASSING THROUGH 3/4" SIEVE; SOLUBLE SALT CONTENT OF 5 TO 10 DECISIEMENS/M; NOT EXCEEDING 0.5 PERCENT INERT CONTAMINANTS AND FREE OF SUBSTANCES TOXIC TO PLANTINGS.
- B. INORGANIC SOIL AMENDMENTS: COMMERCIAL GRADE, FREE OF TOXIC MATERIALS.
- 4. FERTILIZER: GRANULAR OR PELLET SLOW-RELEASE FERTILIZER CONSISTING OF 50 PERCENT WATER-INSOLUBLE NITROGEN, PHOSPHOROUS AND POTASSIUM IN THE COMPOSITION AS DIRECTED BY SOIL ANALYSIS TESTING.
- 5. ORGANIC MULCH: SHREDDED HARDWOOD IN NATURAL BROWN COLOR; 3" MAXIMUM SIZE IN LONGEST DIMENSION; FREE FROM DELETERIOUS MATERIALS AND SUITABLE FOR A TOP DRESSING OF TREES AND SHRUBS.
- 6. STAKES AND GUYS: DEEPROOT ARBORTIE STAKING AND GUYING MATERIAL OR APPROVED

PLANTING INSTALLATION:

EXAMINATION AND PREPARATIO

- 1. INSTALLER TO EXAMINE AREAS TO RECEIVE EXTERIOR PLANTS FOR COMPLIANCE WITH REQUIREMENTS AND CONDITIONS AFFECTING INSTALLATION AND PERFORMANCE. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
- PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES, AND LAWNS AND EXISTING PLANTINGS FROM DAMAGE CAUSED BY PLANTING OPERATIONS REFER TO CIVIL DRAWINGS FOR EROSION AND SEDIMENT CONTROL MEASURES.
- 3. LAY OUT INDIVIDUAL TREE AND SHRUB LOCATIONS PER PLANTING PLAN. OBTAIN LANDSCAPE ARCHITECT'S ACCEPTANCE OF LAYOUT BEFORE PLANTING AND MAKE MINOR ADJUSTMENTS AS NEEDED.

PLANTING BED ESTABLISHMEN

- 1. VERIFY SITE GRADING PRIOR TO DIGGING. LOOSEN SUBGRADE TO A MINIMUM DEPTH OF 8
 INCHES. REMOVE STONES LARGER THAN 1 INCH IN ANY DIMENSION AND STICKS, ROOTS,
 RUBBISH AND OTHER EXTRANEOUS MATTER. APPLY TOP SOIL, FERTILIZER, LIME AND SOIL
 AMENDMENTS AND THOROUGHLY BLEND PLANTING SOIL MIX TO CREATE ACCEPTABLE
 PLANTING SOIL AS DESCRIBED THROUGH ANLA.
- EXCAVATE CIRCULAR PITS AND TRENCHES WITH SIDES SLOPED INWARD, LEAVING THE CENTER AREA RAISED SLIGHTLY TO SUPPORT THE ROOT BALL AND ASSIST IN DRAINAGE. EXCAVATE APPROXIMATELY THREE TIMES AS WIDE AS BALL DIAMETER FOR BALLED AND BURLAPPED AND CONTAINER-GROWN STOCK. SCARIFY PIT OR TRENCH WALLS.

TREE, SHRUB, VINE, ORNAMENTAL GRASS AND GROUNDCOVER PLANTING 1. SET BALLED AND BURLAPPED OR CONTAINER-GROWN STOCK PLUMB AND CENTER OF PIT

- OR TRENCH WITH ROOT BALL 1 INCH ABOVE ADJACENT FINISHED GRADES.

 2. REMOVE WIRE AND PALLETS ENTIRELY FROM ROOT BALL. REMOVE BURLAP FROM TOPS OF
- REMOVE WIRE AND PALLETS ENTIRELY FROM ROOT BALL. REMOVE BURLAP FROM TOPS OF ROOT BALLS AND PARTIALLY FROM SIDES BUT DO NOT REMOVE FROM UNDER ROOT BALL.
 PLACE PLANTING SOIL MIX AROUND ROOT BALL IN LAYERS, TAMPING TO SETTLE MIX AND
- ELIMINATE VOIDS AND AIR POCKETS. WHEN PIT IS APPROXIMATELY ONE-HALF BACKFILLED, WATER THOROUGHLY BEFORE PLACING REMAINDER OF BACKFILL. WATER AGAIN AFTER PLACING AND TAMPING FINAL LAYER OF PLANTING SOIL MIX.

 4. APPLY 3-INCH MINIIMUM AVERAGE THICKNESS OF ORGANIC MULCH EXTENDING 12 INCHES
- APPLY 3-INCH MINIMOM AVERAGE THICKNESS OF ORGANIC MOLCH EXTENDING 12 INCHES
 BEFORE EDGE OF PLANTING PIT OR TRENCH OR TO EDGE OF BEDLINE. DO NOT PLACE
 MULCH WITH 3 INCHES OF ROOT FLARE, TRUNK OR STEMS.
 PRUNE, THIN AND SHAPE TREES AND SHRUBS ACCORDING TO STANDARD HORTICULTURAL
- PRACTICE AND TO RETAIN NATURAL CHARACTER. DO NOT CUT TREE LEADERS. REMOVE ONLY INJURED OR DEAD BRANCHES FROM FLOWERING TREES.

 6. INSTALL GUYING AND STAKING PER MANUFACTURER'S SPECIFICATIONS. REMOVE GUY
- WIRES AND STAKES AFTER TWO PLANTING ESTABLISHMENT SEASONS.

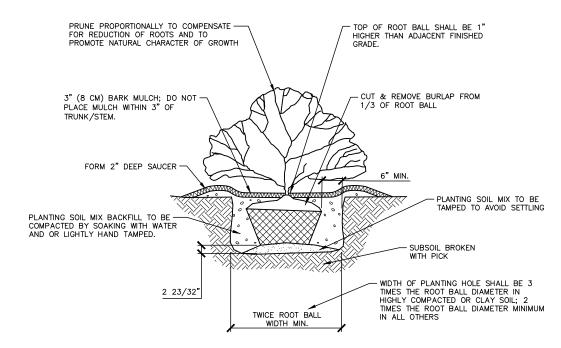
 7. DISPOSAL: REMOVE SURPLUS SOIL AND WASTE MATERIAL, INCLUDING EXCESS SUBSOIL

UNSUITABLE SOIL, TRASH, AND DEBRIS, AND LEGALLY DISPOSE OF THEM OFF OWNER'S

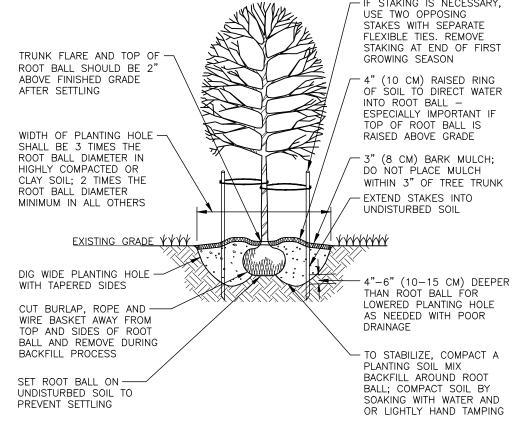
PROPERTY.

GENERAL NOTES:

SEE CASE CD 22-04 FOR OVERALL SITE DEVELOPMENT



1 SHRUB INSTALLATION



- NOTES:

 1. SELECT TREES THAT HAVE: STRONG CENTRAL LEADER; CROWN WITH FULL FOLIAGE; ARE GROWN IN HEAVY CLAY SOIL WITH DRIP IRRIGATION.

 2. BEFORE INSTALLING PLANTING SOIL MIX BACKFILL AROUND ROOT BALL, BE SURE TO SOAK HOLE TO CONFIRM WATER FILTERS THROUGH UNDISTURBED SOIL. DESIGN
- ALTERNATIVE DRAINAGE SYSTEM IF REQUIRED.

 3. A SOIL EXPERT CAN BE CONSULTED TO HELP MODIFY AND FERTILIZE TOPSOIL TO CREATE AN ACCEPTABLE PLANTING SOIL MIX FOR THE SITE CONDITIONS AND SPECIFIC
- 4. IF USING CONTAINER GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL; THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
- ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.

 5. THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND DURING DRY PERIODS.

TREE INSTALLATION

SCALE: NTS



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ROOK-TOWNHORNMENITY PLAN DEVELOPMENT PLAN



REVISIONS

NO. DATE

1 12. 06. 2024 UPDATED PER COUNTY COMMENTS

PLAN INFORMATION

PROJECT NO. CPR-19100

FILENAME CPR19100-LandArch-LS1

CHECKED BY SRD

CHECKED BY SRD

DRAWN BY CMXY

SCALE N/A

DATE 10. 28. 2022

SHEET

AND DETAILS

ELEVATION / BUILDING SECTION GENERAL NOTES:

- 1. ALL WORK TO COMPY WITH NCSBC & ALL APPLICABLE NORTH CAROLINA BUILDING CODES AS WELL AS ALL LOCAL AND PROJECT SPECIFIC AHJ & ZONING REQUIREMENTS.
- 2. FURNISH, STORE, INSTALL & FINISH ALL PRODUCTS IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AS WELL AS MANUFACTURERS AND APPLIACABLE TRADE
- ASSOCIATION BEST PRACTICE GUIDELINES. 3. COORDINATE DIMENSIONS & SIZING INFORMATION WITHIN THESE DRAWINGS WITH PROJECT SPECIFIC MANUFACTURER DATA TO BE OBTAINED BY G.C.,
- SUBCONTRACTORS & SUPPLIERS. 4. REFER TO THE COMPLETE DRAWING SET FOR ADDITIONAL INFORMATION, CALLOUTS, ETC.
- 5. REFER TO CIVIL AND LADSCAPE DRAWINGS FOR PAVING, GRADING AND FLOOR TOP OF SLAB TRUE ELEVATIONS. 6. LEVEL CALLOUTS AT "AT GRADE" FLOORS REPRESENT
- NOM. T.O.S. NOT INCLUDING ASSUMED FLOOR FINISH THICKNESS- COORINDATED STAIR FABRICATION AND RISER HEIGHTS WITH FINISHED FLOOR CALCS.
- 7. REFER TO SHT. A901 FOR BASIS OF DESIGN MATERIALS AND FINISHES 8. REFER TO WALL SECTION SHEETS FOR <u>TYPICAL SYSTEMS</u>
 NOTES (AS INDICATED BY BOLD/UNDERLINE & OTHER).

EXTERIOR MATERIAL LEGEND

ARCHITECTURAL SHINGLE ROOFING FIBER CEMENT BATTEN ON PANEL (B&B)

SIDING & TRIM

FIBER CEMENT LAP SIDING & TRIM

FIBER CEMENT TRIM ON PANEL SIDING & TRIM

Client Contract No: ARCHITECT: DESIGN

COOPER CARRY

WALLBROOK POOLHOUSE

421 DEEP OAK DR.

Prepared For

ROLESVILLE, NC 27571

CS-WALLBROOK LLC

505Design at Cooper Carry 508 West 5th Street Suite 250 Charlotte, NC 28202 t +1 704 348 7000

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Professional Seals

Arch Elev. Exhibit NFC

No. Description

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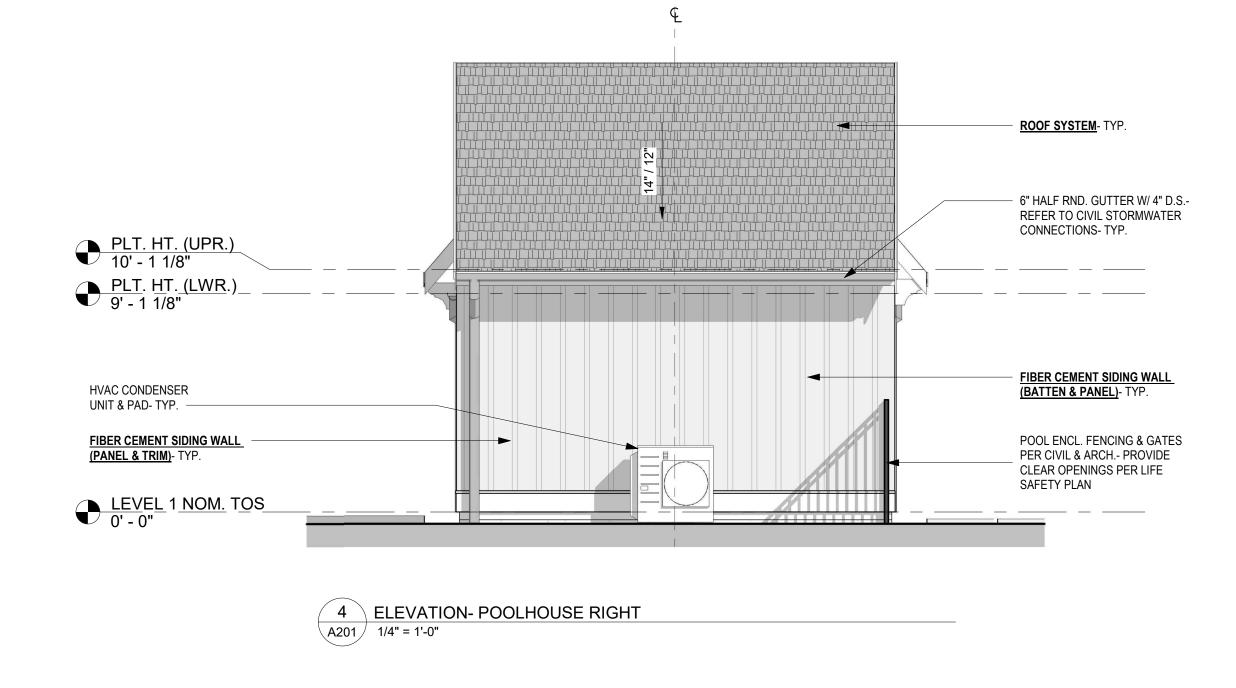
08.12.2024

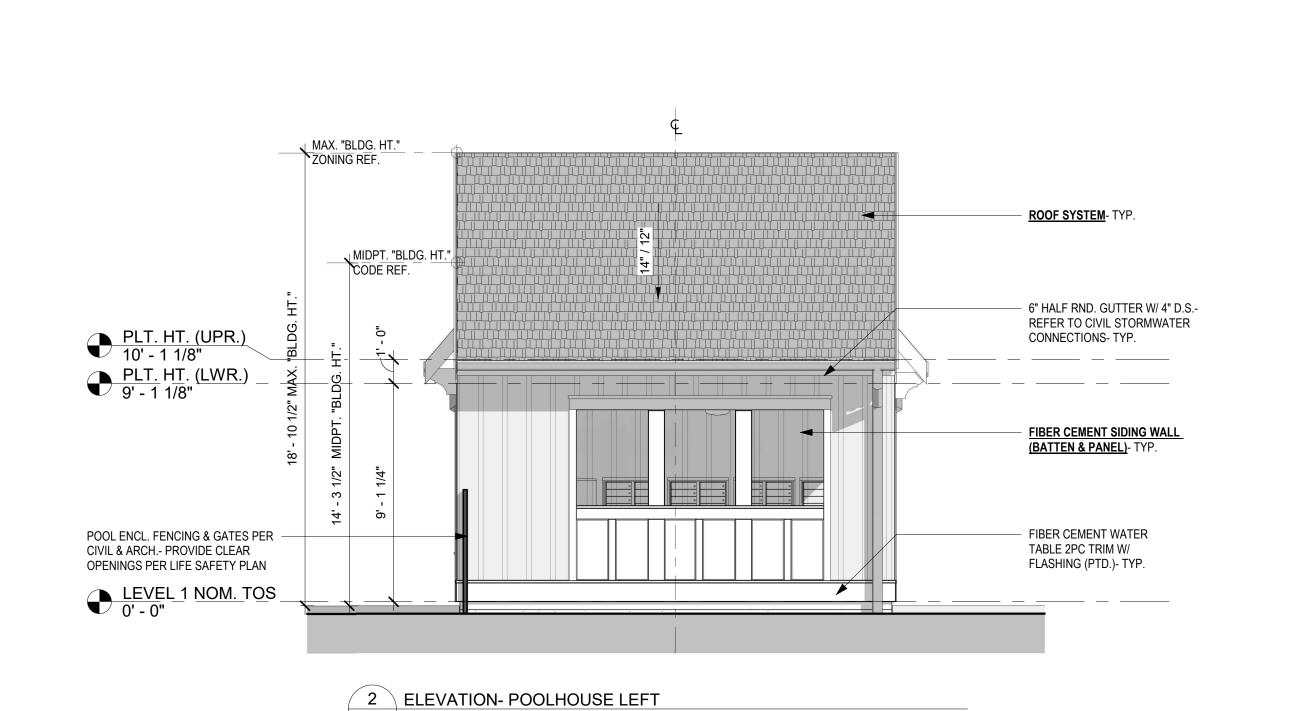
Issue Date 08.12.2024

Sheet Title **ELEVATIONS**

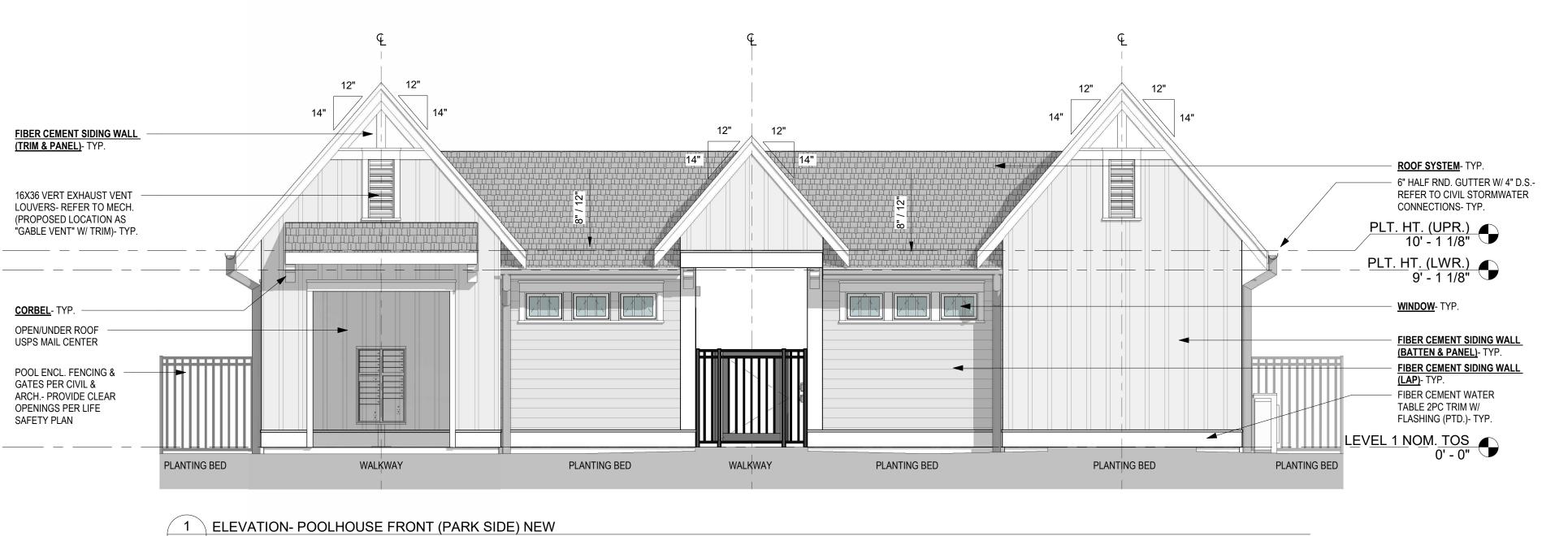
Original drawing is 42 x 30. Do not scale contents of this drawing. Sheet Number







A201 1/4" = 1'-0"



A201 1/4" = 1'-0"