

# Comments on #SDP-26-0003 - Planning & Zoning: Site Development Plan

Application Number: #SDP-26-0003  
Application Type: Site Development Plan  
Date: September 11, 2026  
Address: 748 S MAIN ST, ROLESVILLE, NC 27571  
Parcel: 1758465891



## THIS DOCUMENT IS NOT AN APPROVAL.

The Town of Rolesville Technical Review Committee has reviewed your Site Development Plan Application and provided a set of comments requiring your attention. These comments must be addressed in full before approval is issued.

Reviewing this document on the GovWell, our online portal, will allow you to view interactive markups on the document. If you are viewing this as a PDF or offline, a list of all comments will be provided below in this cover sheet. These comments must be addressed before approval is granted.

After you have addressed all comments, please upload corrected versions of the plans by clicking [here](#) or by visiting <https://app.govwell.com/record/89352cf7-cca5-40b1-ba4d-9e0c3f44c0a0>.

## Contacts

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Review complete \*See comments

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Repeat Comment(s)

## Comments on Plan

Reviewer feedback tied to specific locations on the plan. The number on each comment corresponds to a matching number marked on the plan page. Each comment must be resolved in GovWell.

1



Michael Elabarger  
Assistant Planning Director

see my response to Comment about the Address, thanks.

2



Jacqueline Thompson  
On-Call Civil Engineer

If pipe material known - please label accordingly. There is a note on the Notes Sheet that says it could be different pipe material. If not known at this time, and waiting to decide prior to construction, please include details in the plans for pipe backfill for all options to verify trenching and backfill details (dimensions, material, compaction requirements, etc.). While we recognize this is a private site, it is encouraged to submit an as-built verifying material choice used on site, along with as-built elevations.

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WOOLPERT

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|------------------------|------------|
| <b>DATE ISSUED:</b>    | 04/30/2026 |
| <b>REVIEWED BY:</b>    | ANR        |
| <b>DRAWN BY:</b>       | MEH        |
| <b>DESIGNED BY:</b>    | JFH        |
| <b>PROJECT NUMBER:</b> |            |
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SEAL:  
NORTH CAROLINA  
PROFESSIONAL  
SEAL  
059144  
ENGINEER  
MICHAEL TODD FORD  
9/1/26

**SHEET TITLE:**

COVER SHEET

**SHEET ID:**

C000

**PROJECT STATUS:**  
100% DESIGN  
DOCUMENTS

GENERAL NOTES

- EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL AND ILLUSTRATIVE IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. IF CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER/CONSTRUCTION MANAGER IMMEDIATELY.
- EXISTING SITE INFORMATION AND TOPOGRAPHIC SURVEY WAS PREPARED BY WOOLPERT, DATED JANUARY, 2026 AND FUTURE SITE INFORMATION FROM ARK CONSULTING GROUP. ANY SITE CHANGES/MODIFICATIONS MADE AFTER THIS SURVEY ARE NOT REFLECTED IN THESE PLANS. CONTRACTOR TO NOTIFY WOOLPERT, INC. OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION. ITEMS INDICATED AS PER RECORDS AND OUTSIDE THE SURVEY LIMITS ARE BASED ON VARIOUS RECORD DRAWINGS PROVIDED BY THE OWNER. WOOLPERT IS NOT RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES (INCLUDING THOSE LABELED PER RECORDS) PRIOR TO THE BEGINNING OF CONSTRUCTION OR EARTH MOVING OPERATIONS. INFORM ARCHITECT/ENGINEER/CONSTRUCTION MANAGER OF ANY CONFLICTS DETRIMENTAL TO THE DESIGN INTENT.
- PRIOR TO COMMENCEMENT OF DIGGING, CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES: THE NORTH CAROLINA UTILITY PROTECTION SERVICES #11, AND ALL OTHER AGENCIES THAT MAY HAVE UNDERGROUND UTILITIES WITHIN THE PROJECT LIMITS AND ARE NON-MEMBERS OF NORTH CAROLINA UNDERGROUND PROTECTION SERVICES.
- THE CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR COMPLYING WITH APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTORS TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK. FOR ACCESSIBILITY ITEMS AND REFERENCES TO THE AMERICAN WITH DISABILITIES ACT, THE APPLICABLE ACCESSIBILITY CODE FOR THIS PROJECT IS THE 2021 IBC AND THE ICC A117.1-2017 BY REFERENCE.
- THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND OWNER'S REPRESENTATIVE FOR ANY AND ALL CLAIMS AND DAMAGES TO PERSONNEL, EQUIPMENT AND/OR EXISTING FACILITIES OCCURRING IN THE COURSE OF THE DEMOLITION AND CONSTRUCTION DESCRIBED IN THE PLANS AND SPECIFICATIONS.
- CONTRACTOR SHALL OBTAIN A PERMIT FOR ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.
- THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL CODES, OBTAIN ALL APPLICABLE PERMITS, AND PAY ALL REQUIRED FEES PRIOR TO COMMENCING WORK.
- ANY WORK PERFORMED IN WAKE COUNTY RIGHT OF WAYS SHALL BE IN ACCORDANCE WITH THE APPLICABLE WAKE COUNTY REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE NECESSARY PERMITS FOR THE WORK, SCHEDULE NECESSARY INSPECTIONS, AND PROVIDE THE NECESSARY TRAFFIC CONTROL MEASURES AND DEVICES, ETC., FOR WORK PERFORMED IN THE RIGHT OF WAYS.
- THE CONTRACTOR IS TO PERFORM ALL INSPECTIONS AS REQUIRED BY THE NORTH CAROLINA ENVIRONMENTAL PROTECTION AGENCY FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND FURNISH OWNER'S REPRESENTATIVE WITH WRITTEN REPORTS. OWNER WILL OBTAIN NPDES PERMIT.
- CONTRACTOR SHALL IMPLEMENT ALL SOIL AND EROSION CONTROL PRACTICES REQUIRED BY THE TOWN OF ROLESVILLE AND THE NORTH CAROLINA EPA.
- ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION AND ARE TO FINAL GRADE AND ARE TO REMAIN SO, SHALL BE SEEDED AND MULCHED AS SOON AS PRACTICAL IN ACCORDANCE WITH SPECIFICATIONS.
- ITEM NUMBERS REFER TO THE NORTH CAROLINA CONSTRUCTION AND MATERIAL SPECIFICATIONS, AND ALL CONSTRUCTION WORK SHALL BE DONE ACCORDING TO SAID SPECIFICATIONS AND IN ACCORDANCE WITH APPLICABLE STANDARDS OF THE TOWN OF ROLESVILLE WHEN IN CONFLICT, THE COUNTY REQUIREMENTS SHALL PREVAIL.
- ALL WORK PERFORMED BY THE CONTRACTOR SHALL CONFORM TO THE LATEST REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT.
- THE CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT TO PROVIDE SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
- BEFORE INSTALLATION OF STORM SEWER, SANITARY SEWER, ELECTRICAL CONDUIT, WATERLINE OR ANY OTHER UTILITY, THE CONTRACTOR SHALL VERIFY ALL CROSSINGS BY EXCAVATION WHERE NECESSARY, AND INFORM THE OWNER AND THE ARCHITECT/ENGINEER/CONSTRUCTION MANAGER OF ANY CONFLICTS. THE DESIGN ENGINEER SHALL BE HELD HARMLESS IF NOT NOTIFIED OF DESIGN CONFLICTS PRIOR TO CONSTRUCTION.
- ADJUST OR RECONSTRUCT ALL EXISTING CASTINGS, CLEANOUTS, ETC. WITHIN PROJECT AREA TO MEET PROPOSED GRADE AS REQUIRED.
- CONTRACTOR TO REMOVE & REPLACE PAVEMENT AS SPECIFIED.
- THE CONTRACTOR SHALL CHECK EXISTING GRADES, DIMENSIONS, AND INVERTS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. RELOCATE EXISTING UTILITIES AS INDICATED, OR AS NECESSARY FOR CONSTRUCTION.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY. INSTALL ALL UTILITIES PRIOR TO INSTALLATION OF PAVED SURFACES.
- SITE WORK CONCRETE WALKS AND PADS SHALL HAVE A BROOM FINISH TO ALL SURFACES. SITE WORK CONCRETE SHALL BE CLASS B (4000 PSI @ 28 DAYS) UNLESS OTHERWISE NOTED.
- ALL DAMAGE TO EXISTING PAVEMENT, SIDEWALK, CURB, LANDSCAPING, UTILITIES, AND ANY OTHER ITEMS TO REMAIN, WHICH RESULTS FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH LIKE MATERIALS AT THE CONTRACTOR'S EXPENSE.
- SITE DIMENSIONS SHOWN ARE TO THE FACE OF CURB, BUILDING, WALL, EDGE OF PAVEMENT, OR COLUMN LINE UNLESS OTHERWISE NOTED.
- COORDINATES ARE FOR BUILDING COLUMNS, EXTERIOR BUILDING WALLS, CENTERS OF DRIVEWAYS, CENTER OF SANITARY SEWER MANHOLES, AND CENTER OF STRUCTURES PLACED SIX INCHES INSIDE FACE OF CURB FOR DRAIN INLETS, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL MAINTAIN ONE SET OF AS-BUILT/RECORD DRAWINGS ON-SITE DURING CONSTRUCTION FOR DISTRIBUTION TO THE OWNER AND/OR OWNER'S REPRESENTATIVE UPON COMPLETION.
- REFER TO THE ARCHITECTURAL, PLUMBING & ELECTRICAL DRAWINGS FOR EXACT DIMENSIONS AND LOCATIONS OF UTILITY SERVICE ENTRY LOCATIONS AND PRECISE BUILDING DIMENSIONS.
- THIS SITE LAYOUT IS SPECIFIC TO THE APPROVALS NECESSARY FOR THE CONSTRUCTION IN ACCORDANCE WITH THE TOWN OF ROLESVILLE. NO CHANGES TO THE SITE LAYOUT ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER. CHANGES MADE TO THE SITE LAYOUT WITHOUT APPROVAL ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. CHANGES INCLUDE BUT ARE NOT LIMITED TO: INCREASED IMPERVIOUS PAVEMENT, ADDITION/DELETION OF PARKING SPACES, MOVEMENT OF CURB LINES, CHANGES TO BUILDING STRUCTURES AND PATTERNS, LANDSCAPING, ETC.
- SITE SIGNAGE AND STRIPING SHALL BE IN ACCORDANCE WITH THE NORTH CAROLINA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

DEMOLITION NOTES

- ALL EXISTING ABOVE AND BELOW GROUND STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED WITHIN THIS CONSTRUCTION SET AND/OR PROJECT MANUAL. THIS INCLUDES WALLS AND FOOTINGS. CAVITIES LEFT BY STRUCTURE REMOVAL SHALL BE BACKFILLED WITH SATISFACTORY MATERIALS AND COMPACTED TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATION.
- NO TREES SHALL BE REMOVED, NOR VEGETATION DISTURBED BEYOND THE LIMITS OF CONSTRUCTION WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE.
- TREE PROTECTION FENCING SHALL BE IN ACCORDANCE WITH THE TOWN OF ROLESVILLE STANDARDS - OR - IN ACCORDANCE WITH THE DETAILED DRAWINGS. DO NOT OPERATE OR STORE EQUIPMENT, NOR HANDLE OR STORE MATERIALS WITHIN THE DRIP LINES OF THE TREES SHOWN TO REMAIN.
- PROTECTION OF EXISTING TREES AND VEGETATION: PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOTHERING OF TREES BY STOCKING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE, EXCESS FOOT OR VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND VEGETATION TO BE LEFT STANDING.
- ALL DEMOLITION WASTE AND CONSTRUCTION DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED. ALL DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE IN A STATE APPROVED WASTE SITE AND IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR DAMAGE ACCORDING TO THE APPROPRIATE UTILITY COMPANY STANDARDS AND AT THE CONTRACTOR'S EXPENSE.
- ALL UTILITY DISCONNECTION, REMOVAL, RELOCATION, CUTTING, CAPPING AND/OR ABANDONMENT SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY OR AGENCY. LOCAL UTILITY CONTACTS ARE PROVIDED ON THIS SHEET.
- THE BURNING OF CLEARED MATERIAL AND DEBRIS SHALL NOT BE ALLOWED UNLESS CONTRACTOR OBTAINS PRIOR LEGAL WRITTEN AUTHORIZATION FROM THE LOCAL AUTHORITIES.
- EROSION & SEDIMENT CONTROL MEASURES AROUND AREAS OF DEMOLITION SHALL BE PROPERLY INSTALLED AND FUNCTIONING PROPERLY PRIOR TO INITIALIZATION OF DEMOLITION ACTIVITIES.
- ASBESTOS OR HAZARDOUS MATERIAL ARE NOT EXPECTED. IF FOUND ON SITE, SUCH MATERIALS SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIALS CONTRACTOR. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY IF HAZARDOUS MATERIALS ARE ENCOUNTERED.
- CONTRACTOR SHALL ADHERE TO ALL LOCAL, STATE, FEDERAL AND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS DURING ALL DEMOLITION AND CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL PROTECT ALL CORNER PINS, MONUMENTS, PROPERTY CORNERS AND BENCHMARKS DURING DEMOLITION ACTIVITIES. IF DISTURBED, CONTRACTOR SHALL HAVE DISTURBED ITEMS RESET BY A LICENSED SURVEYOR AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, STRUCTURES, AND FEATURES TO REMAIN. ANY ITEMS TO REMAIN THAT HAVE BEEN DISTURBED OR DAMAGED AS A RESULT OF CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH STATE DEPARTMENT OF TRANSPORTATION REGULATIONS, FAA REGULATIONS, AND AS REQUIRED BY LOCAL AGENCIES WHEN WORKING IN AND/OR ALONG STREETS, ROADS, HIGHWAYS, ETC. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL AND COORDINATE WITH LOCAL AND/OR STATE AGENCIES REGARDING THE NEED, EXTENT AND LIMITATIONS ASSOCIATED WITH INSTALLING AND MAINTAINING TRAFFIC CONTROL MEASURES.
- PROVIDE STRAIGHT, FULL DEPTH, AND NEAT SAW CUTS OF EXISTING PAVEMENT WHERE INDICATED ALONG LIMITS OF PAVEMENT DEMOLITION.
- ALL UTILITY AND STRUCTURE REMOVAL, RELOCATION, CUTTING, CAPPING AND/OR ABANDONMENT SHALL BE COORDINATED AND PROPERLY DOCUMENTED BY A CERTIFIED PROFESSIONAL, WHEN APPLICABLE, WITH THE APPROPRIATE UTILITY COMPANY, MUNICIPALITY AND/OR AGENCY. DEMOLITION OF REGULATED ITEMS MAY INCLUDE, BUT NOT LIMITED TO WELLS, ASBESTOS, UNDERGROUND STORAGE TANKS, SEPTIC TANKS AND ELECTRIC TRANSFORMERS. DEMOLITION CONTRACTOR SHALL REFER TO ANY ENVIRONMENTAL STUDY FOR DEMOLITION RECOMMENDATIONS AND GUIDANCE. AVAILABLE ENVIRONMENTAL STUDIES MAY INCLUDE, BUT ARE NOT LIMITED TO PHASE I ESA, PHASE II ESA, WETLAND AND STREAM DELINEATION AND ASBESTOS SURVEYS. ALL APPLICABLE ENVIRONMENTAL STUDIES SHALL BE MADE AVAILABLE UPON REQUEST.
- ALL PAVEMENT, BASE COURSES, SIDEWALKS, CURBS, BUILDINGS, FOUNDATIONS, ETC., WITHIN THE AREA THAT ARE INDICATED TO BE DEMOLISHED SHALL BE REMOVED TO FULL DEPTH. EXISTING BASE COURSE MATERIALS MAY BE WORKED INTO THE NEW PAVEMENT OR BUILDING SUBGRADE IF THE GRADATION, CONSISTENCY, COMPACTION, SUBGRADE CONDITION, ETC., ARE IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. BASE COURSE MATERIALS SHALL NOT BE WORKED INTO THE SUBGRADE AREAS TO RECEIVE LANDSCAPING.
- THE CONTRACTOR SHALL USE SUITABLE METHODS TO CONTROL DUST AND DIRT CAUSED BY THE DEMOLITION ACTIVITIES.

SITE EARTHWORK NOTES

- ALL PROPOSED GRADES SHOWN ARE FINAL GRADES, TOP OF GROUND LEVEL, OR TOP OF PAVEMENT, OR GRATE ELEVATION AT THE DRAWDOWN POINT, UNLESS INDICATED OTHERWISE.
- REFER TO AND FOLLOW THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT PREPARED FOR THIS PROJECT BY TERRACON TITLED "PNC BANK - ROLESVILLE GEOTECHNICAL ENGINEERING REPORT" AND DATED 09/29/2025.
- SITE BUILDING PAD EXCAVATION AND CONSTRUCTION TO BE PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. BUILDING PAD PREPARATION SHALL BEGIN BY CLEARING AND REMOVAL OF UNSUITABLE MATERIAL FROM PAD SITE, THEN PLACEMENT AND COMPACTION OF BACKFILL MATERIAL PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
- ALL FILL UNDER PAVEMENT SHALL BE COMPACTED TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
- ALL ELEVATIONS SHOWN ARE FINISHED GRADE ELEVATIONS.
- CONTRACTOR SHALL STRICTLY ADHERE TO THE EROSION & SEDIMENT CONTROL PLAN PREPARED FOR THIS PROJECT.
- EARTHWORK SHALL INCLUDE CLEARING AND GRUBBING, STRIPPING AND STOCKPILING TOPSOIL, MASS GRADING, EXCAVATION, FILLING, UNDERCUT AND REPLACEMENT, IF REQUIRED, AND COMPACTION.
- CONTRACTOR TO REFILL UNDERCUT AREAS WITH SUITABLE MATERIAL AND COMPACT AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
- PLACE TOPSOIL OVER THE SUBGRADE OF UNPAVED, DISTRIBUTED AREAS TO A DEPTH INDICATED ON THE LANDSCAPE PLANS (4" MINIMUM).
- PAVEMENT SLOPES ACROSS ACCESSIBLE PARKING STALLS AND ADJOINING ACCESS AISLES SHALL BE MAXIMUM 2% AND SHALL CONFORM TO THE LATEST REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT.
- ALL AREAS NOT PAVED SHALL BE STABILIZED IN ACCORDANCE WITH THE EROSION & SEDIMENT CONTROL PLAN, UNLESS NOTED OTHERWISE.
- COMPACTED FILLS ARE TO BE MADE TO A MINIMUM OF THREE FEET ABOVE THE CROWN OF ANY PROPOSED SEWER PRIOR TO CUTTING OF TRENCHES FOR PLACEMENT OF SAID SEWERS. ALL FILLS SHALL BE CONTROLLED, COMPACTED, AND INSPECTED BY AN APPROVED TESTING LABORATORY OR AN INSPECTOR FROM THE APPROPRIATE GOVERNMENTAL AGENCY.
- ALL EXCESS SOIL MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED AND SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR BALANCING THE SITE EARTHWORK BY IMPORTING OR EXPORTING AS NECESSARY TO ACHIEVE DESIGN GRADES AND SPECIFICATIONS.

STORM DRAINAGE NOTES

- DISTANCES SHOWN ON PIPING ARE HORIZONTAL DISTANCES FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED, CONTRACTOR RESPONSIBLE FOR ACTUAL FIELD CUT LENGTH.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE INSTALLATION, INSPECTION, TESTING AND FINAL ACCEPTANCE OF ALL NEW STORMWATER MANAGEMENT FACILITIES CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH ALL APPLICABLE REGULATING AGENCIES CONCERNING INSTALLATION, INSPECTION AND APPROVAL OF THE STORM DRAINAGE SYSTEM CONSTRUCTION.
- ALL STORMWATER MANAGEMENT FACILITIES, INCLUDING COLLECTION AND CONVEYANCE STRUCTURES SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.
- ANY FIELD TILE CUT IN EXCAVATION, WHICH DRAINS AN OFFSITE AREA, MUST BE TIED INTO THE STORM DRAINAGE SYSTEM.
- FOR EXACT LOCATION OF DOWNSPOUTS AND ROOF DRAINS, CONTRACTOR IS TO COORDINATE WITH ARCHITECTURAL AND PLUMBING DRAWINGS.
- ALL PROPOSED STORM SEWERS, SURFACE OR OTHER DRAINAGE FACILITIES ARE TO BE PRIVATE AND MAINTAINED BY THE OWNER.
- THE CONTRACTOR IS TO CONSTRUCT CURBS, CATCH BASINS, DOWNSPOUTS, PIPING AND CONNECTION ETC. AS REQUIRED TO CONVEY THE ROOF AND PAVED SURFACE DRAINAGE TO THE DETENTION BASIN.
- ALL STORM STRUCTURES ARE NORTH CAROLINA DOT TYPES UNLESS OTHERWISE INDICATED.
- ALL CATCH BASINS AND MANHOLES WITH A DEPTH GREATER THAN 4 FEET SHALL BE PROVIDED WITH STEPS. STEPS SHALL MEET THE REQUIREMENTS OF NORTH CAROLINA DOT SPECIFICATION.
- STORM SEWER PIPE LABELED "SD" SHALL BE ONE OF THE FOLLOWING: HIGH DENSITY POLYETHYLENE PER NORTH CAROLINA DOT, OR REINFORCED CONCRETE PIPE, NORTH CAROLINA DOT. ALL STORM SEWER TO BE SMOOTH WALLED, WITH A MANNINGS COEFFICIENT OF 0.012-0.013. STORM SEWER PIPE LABELED "RCP" SHALL BE REINFORCED CONCRETE PIPE, NORTH CAROLINA DOT. ALL STORM SEWER IS TO BE INSTALLED PER NORTH CAROLINA DOT.
- STORM SEWER IS TO BE BEDDED WITH CLEAN GRANULAR MATERIAL-AGGREGATES NOT TO BE LARGER THAN 3/4" AND NOT SMALLER THAN NO. 8 SIEVE, FREE OF SILT AND FINES, AASHTO M43 SIZE #67, 7 OR 8. BEDDING TO BE MINIMUM OF 6" BELOW & 12" ABOVE THE PIPE.

UTILITY NOTES

- ALL PROPOSED UTILITY LINES AND EXTENSIONS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF RALEIGH SPECIFICATIONS. CONTRACTOR SHALL COORDINATE UTILITY DISCONNECTIONS WITH THE APPROPRIATE AGENCIES.
- THE CONTRACTOR IS PARTICULARLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF THE EXISTING UTILITIES SHOWN HEREON IS BASED ON TOPOGRAPHIC SURVEYS AND RECORD DRAWINGS. THE CONTRACTOR SHALL NOT RELY UPON THIS INFORMATION AS BEING EXACT OR COMPLETE. SHOULD UNCHARTED UTILITIES BE ENCOUNTERED DURING EXCAVATION OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AS SOON AS POSSIBLE FOR INSTRUCTIONS. THE CONTRACTOR SHALL CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION AND REQUEST FIELD VERIFICATION OF UTILITY LOCATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RELOCATE EXISTING UTILITIES CONFLICTING WITH IMPROVEMENTS SHOWN HEREON IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- MAINTAIN MINIMUM 10-FOOT HORIZONTAL AND MINIMUM 18-INCH VERTICAL SEPARATION BETWEEN SANITARY SEWER, STORM SEWER AND WATER SUPPLY LINE, UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SEQUENCING OF CONSTRUCTION FOR ALL UTILITY LINES SO THAT WATER LINES, GAS LINES, AND UNDERGROUND ELECTRIC DO NOT CONFLICT WITH SANITARY SEWERS OR STORM SEWERS. INSTALL UTILITIES PRIOR TO PAVEMENT CONSTRUCTION.
- ALL TRENCH SPOILS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED.
- SANITARY SEWER SHALL BE PVC-SDR 35 PER ASTM D-3034 OR APPROVED EQUAL, (CONFORMING TO TOWN OF ROLESVILLE SPECIFICATIONS) INSTALLED AT A MINIMUM SLOPE OF ONE-HALF PERCENT (0.50%) UNLESS OTHERWISE NOTED. SANITARY SERVICE SHALL BE INSTALLED AT A MINIMUM DEPTH OF FOUR FEET (4') UNLESS OTHERWISE NOTED. A MINIMUM OF 18" CLEARANCE SHALL BE MAINTAINED AT ALL WATERLINE & STORM SEWER CROSSINGS. SANITARY SERVICE JOINTS SHALL CONFORM TO ASTM D-3212.
- SANITARY SEWER IS TO BE BEDDED WITH CLEAN GRANULAR MATERIAL-AGGREGATES NOT TO BE LARGER THAN 3/4" AND NOT SMALLER THAN NO. 8 SIEVE, FREE OF SILT AND FINES, AASHTO M43 SIZE #67, 7 OR 8. BEDDING TO BE MINIMUM OF 6" BELOW & 12" ABOVE THE PIPE.
- DISTANCES SHOWN FOR BOTH SANITARY AND STORM SEWER PIPES ARE MEASURED FROM CENTER OF STRUCTURE, CONTRACTOR RESPONSIBLE FOR ACTUAL FIELD CUT LENGTH. COORDINATES FOR STORM & SANITARY STRUCTURES ARE SHOWN TO THE CENTER STRUCTURE, UNLESS OTHERWISE NOTED.
- ROOF DRAINS, FOUNDATION DRAINS AND ALL OTHER CLEAR WATER CONNECTIONS TO THE SANITARY SEWER SYSTEMS ARE PROHIBITED.
- ADJUST ALL EXISTING UTILITY SURFACE FEATURES INCLUDING BUT NOT LIMITED TO CASTINGS, VALVE BOXES, PEDESTALS, CLEANOUTS, ETC. TO MATCH PROPOSED FINISHED GRADES, UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS OF ALL IMPROVEMENTS. INCLUDE AT LEAST TWO DIMENSIONS TO EACH VALVE AND MANHOLE FROM KNOWN SITE FEATURES. DRAWINGS SHALL INCLUDE HORIZONTAL AND VERTICAL INFORMATION ON ALL NEW UTILITIES AS WELL AS EXISTING UTILITIES ENCOUNTERED.
- MECHANICAL/ELECTRICAL CONTRACTORS SHALL BRING ALL UTILITIES 5' OUTSIDE BUILDING WALL. COORDINATE WITH CONSTRUCTION MANAGER/ARCHITECT/ENGINEER/OWNER.
- ALL WATERLINE CROSSINGS SHALL MAINTAIN A VERTICAL SEPARATION OF 18" MINIMUM. SANITARY SEWER SHALL BE LOCATED A MINIMUM OF 18" BELOW WATERLINE AT ALL CROSSINGS. WATERLINE SHALL BE LOCATED A MINIMUM OF 10" HORIZONTALLY FROM ANY SANITARY SEWER OR STORM SEWER. ALL MEASUREMENTS SHALL BE TAKEN FROM OUTSIDE OF SEWER PIPE TO THE OUTSIDE OF WATERLINE PIPE. ONE FULL LENGTH OF WATERLINE PIPE SHALL BE LOCATED AT ALL CROSSINGS TO ENABLE BOTH JOINTS TO BE LOCATED AS FAR FROM SEWER AS POSSIBLE.
- ALL WATER SERVICE PIPE SIZES 3" THRU 12" SHALL BE DUCTILE IRON PIPE CLASS, PVC C-900 OR PVC C909 PIPE PER LOCAL JURISDICTION, FROM WATERMAIN THRU METER SETTING(S) INCLUDING THE METER BYPASS.
- ALL WATER SERVICE PIPE, 2" AND SMALLER, SHALL BE K SOFT COPPER.
- ALL WATER SERVICE PIPE, 2" AND SMALLER, SHALL BE K SOFT COPPER FROM WATERMAIN THRU CURB STOP. K SOFT COPPER OR TOWN OF ROLESVILLE APPROVED POLYTUBING FROM CURB STOP THRU METER SETTING IN BUILDING.
- WATERLINE IS TO BE BEDDED WITH CLEAN GRANULAR MATERIAL-AGGREGATES NOT TO BE LARGER THAN 3/4" AND NOT SMALLER THAN NO. 8 SIEVE, FREE OF SILT AND FINES, AASHTO M43 SIZE #67, 7 OR 8. BEDDING TO BE MINIMUM OF 6" BELOW & 12" ABOVE THE PIPE.
- ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH RALEIGH WATER DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: RALEIGH WATER HANDBOOK, CURRENT EDITION)
- UTILITY SEPARATION REQUIREMENTS:
  - 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.
  - 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 RALEIGH WATER DIRECTOR. ALL DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER OUTSIDE DIAMETER.
  - WHERE IS 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.

- 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES. UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWERS.
- 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 SEPARATION CANNOT BE ACHIEVED, SPECIFY DIP MATERIALS & A CONCRETE CRADLE HAVING 6" MIN. CLEARANCE (PER RALEIGH WATER DETAILS W-41 & S-29).
- ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL SEPARATION REQUIRED.
- ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN &/OR PROFILE BY RALEIGH WATER PRIOR TO CONSTRUCTION.
- DEVELOPER SHALL PROVIDE 30 DAYS ADVANCE WRITTEN NOTICE TO OWNER FOR ANY WORK REQUIRED WITHIN AN EXISTING CITY OF RALEIGH UTILITY EASEMENT TRAVERSING PRIVATE PROPERTY.
- CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE INTERRUPTION SHALL BE PRECEDED BY A 24-HOUR ADVANCE NOTICE TO RALEIGH WATER.
- SEWER BYPASS PUMPING - A BYPASS PLAN SEALED BY AN NC PROFESSIONAL ENGINEER SHALL BE PROVIDED TO RALEIGH WATER PRIOR TO PUMPING OPERATIONS FOR APPROVAL. THE OPERATIONS AND EQUIPMENT SHALL COMPLY WITH THE RALEIGH WATER HANDBOOK.
- 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCE MAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.
- 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 RALEIGH WATER. THIS INCLUDES ABANDONING TAP AT MAIN REMOVAL, OR SERVICE FROM ROW OR EASEMENT PER RALEIGH WATER HANDBOOK PROCEDURE.
- INSTALL WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2X2' 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.
- INSPECTION OF 4" AND LARGER WATER MAINS OF THE PRIVATE DISTRIBUTION SYSTEM WILL BE INSPECTED AS PART OF THE INFRASTRUCTURE PERMIT. PRIVATE SEWER MAINS AS PART OF A COLLECTION SYSTEM ARE PERMITTED AND INSPECTED UNDER THE PRIVATE INFRASTRUCTURE PERMIT FOR SEWER.
- ANY WATER OR SEWER SERVICES ON PRIVATE PROPERTY THAT WILL BE INSTALLED UNDER CONSTRUCTION DRAWINGS MAY REQUIRE A PLUMBING UTILITY PERMIT IN THE CITY OF RALEIGH. CONSULT WITH THE ENGINEERING INSPECTION COORDINATOR DURING THE PRE-CONSTRUCTION MEETING ON THE NECESSARY PERMITS.
- INSTALL SEWER SERVICES WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACE PER THE CURRENT NC PLUMBING CODE.
- PRESSURE REDUCING VALVES ARE REQUIRED ON ALL WATER SERVICE EXCEEDING 80 PSI; BACKWATER VALVES ARE REQUIRED ON ALL SANITARY SEWER SERVICES HAVING BUILDING DRAINS LOWER THAN 1.0' ABOVE THE NEXT UPSTREAM MANHOLE.
- 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.
- NCDOT/RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION.
- GREASE INTERCEPTOR/OIL WATER SEPARATOR SIZING CALCULATIONS & INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE RW FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A UC AND/OR BUILDING PERMIT. CONTACT (919) 998-4516 OR FOG@RALEIGHNC.GOV FOR MORE INFORMATION.
- CROSS-SECTION REQUIREMENTS:
  - CROSS-SECTION CONTROL PROTECTION 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.
  - THE DEVICES SHALL MEET THE AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE) STANDARDS AND BE ON THE UNIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST.
  - THE DEVICE AND INSTALLATION SHALL MEET THE GUIDELINES OF APPENDIX A - GUIDELINES AND REQUIREMENTS FOR THE CROSS CONNECTION PROGRAM IN RALEIGH'S SERVICE AREA.
  - THE DEVICES SHALL BE INSTALLED AND TESTED (BOTH, INITIAL AND PERIODIC TEST THEREAFTER) IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OR THE LOCAL CROSS CONNECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT. CONTACT CROSS.CONNECTION@RALEIGHNC.GOV FOR MORE INFORMATION.
- NOTICE FOR PROJECTIONS THAT INVOLVE AN OVERSIZED MAIN OR URBAN MAIN REPLACEMENT, ANY CITY REIMBURSEMENT GREATER THAT \$250,000.00 MUST UNDERGO THE PUBLIC BIDDING PROCESS.
- PRIVATE SUB-METERING - NO RESALE OF WATER SHALL OCCUR WITHOUT APPROVAL OF THE NORTH CAROLINA UTILITY COMMISSION. SUB-METERING SHALL BE IN ACCORDANCE WITH SECTION 1400 OF THE "SAFE DRINKING WATER ACT".

CONTACTS:

**CIVIL ENGINEER**  
WOOLPERT  
ALICIA RUEBELMAN, PE  
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CHARLOTTE, NC 28277  
513.527.2523  
ALICIA.RUEBELMAN@WOOLPERT.COM

**PROJECT ARCHITECT**  
NC BRADFORD  
1520 SOUTH BLVD., SUITE 200  
CHARLOTTE, NC 28203  
704.940.4791  
NICHOLAS.BRADFORD@RSANDH.COM

**WATER AND SEWER**  
CITY OF RALEIGH  
CHRIS WORTHY  
CHRISTOPHER.WORTHY@RALEIGHNC.GOV  
919.998.2311

**ELECTRIC**  
DUKE ENERGY PROGRESS  
CAROLINAS@NEWCONSTRUCTION@DUKE-ENERGY.COM  
800.636.0581

**STORMWATER**  
WAKE COUNTY  
WAYNE.MILES@RALEIGHNC.GOV  
919.554.6517

SITE INFO:

TOTAL PROJECT AREA: 1.09 ACRES

PARCEL ID: 1758465891

ZONING CLASSIFICATION: SDC-C2, GENERAL COMMERCIAL CONDITIONAL ZONING  
LAND USE: BANKS/CREDIT BUILDINGS, FINANCIAL SERVICES (INCLUDING DRIVE-THROUGH)

DISTURBED AREA: 0.77 ACRES

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North Carolina License Nos. 50073 \*  
F-0493 \* C-28

**WOOLPERT**

**PNC BANK**

**PROJECT TITLE:**  
PNC NC ROLESVILLE  
**APPLICATION REF. NO.**  
SDP-26-0003

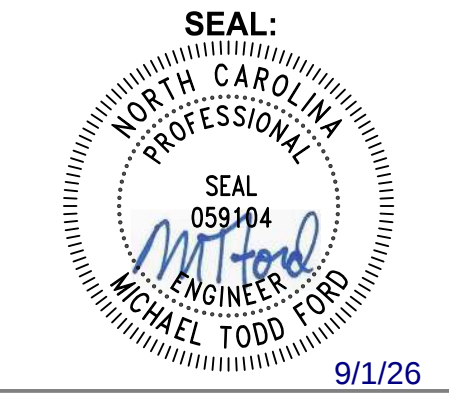
**PROJECT ADDRESS:**  
800 S. MAIN ST.  
ROLESVILLE, NC 27571

REVISIONS

| NO. | DESCRIPTION     | DATE       |
|-----|-----------------|------------|
| 2   | TOWN COMMENTS 2 | 07/31/2026 |
| 3   | TOWN COMMENTS 3 | 08/31/2026 |
|     |                 |            |
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**DATE ISSUED:** 04/30/2026  
**REVIEWED BY:** ANR  
**DRAWN BY:** MEH  
**DESIGNED BY:** JFH

**PROJECT NUMBER:**  
10020503.29  
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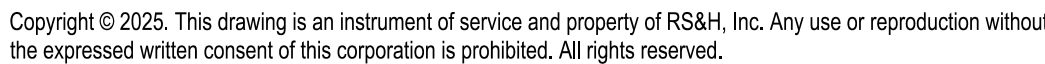
9/1/26

**SHEET TITLE:**

GENERAL NOTES AND LEGEND

**SHEET ID:**  
**C001**

**PROJECT STATUS:**  
100% DESIGN DOCUMENTS

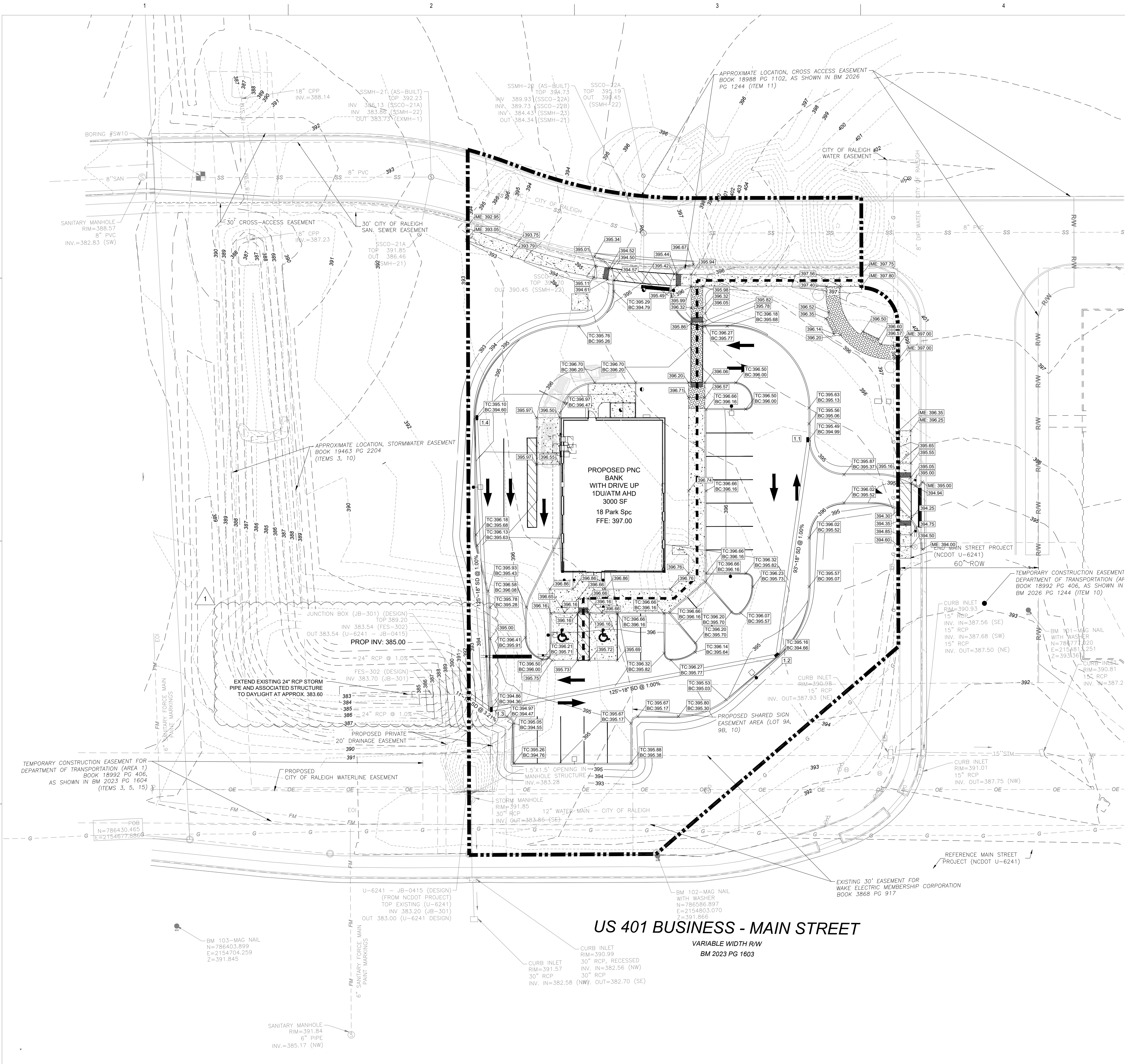


0 20 40 60

GRAPHIC SCALE IN FEET



9/15/2025 12:32:03 PM Autodesk Docs://200303038266\_PNC NC Wendell Falls Ground Up/200303038266\_PNC NC Wendell Falls GUL\_A\_R24.rvt



## GRADING LEGEND

|     |            |                                   |
|-----|------------|-----------------------------------|
| --- | 701        | EXISTING 1' CONTOUR               |
| --- | 700        | EXISTING 5' CONTOUR               |
| --- | 701        | PROPOSED 1' CONTOUR               |
| --- | 700        | PROPOSED 5' CONTOUR               |
| --- | 701        | FUTURE 1' CONTOUR                 |
| --- | 700        | FUTURE 5' CONTOUR                 |
| --- | XX'-XX" SD | PROPOSED STORM PIPE               |
| --- |            | PROPOSED STORM STRUCTURES         |
| --- |            | PROPOSED STORM STRUCTURE ID       |
| --- |            | PROPOSED SPOT ELEVATION           |
| --- |            | PROPOSED TOP/BOTTOM ELEVATION     |
| --- |            | PROPOSED ELEVATION MATCH EXISTING |
| --- |            | ADA ACCESSIBLE PATH               |

## NOTES

- SEE SHEET C001 FOR GENERAL NOTES AND LEGEND.
- CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET WITHIN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
- FUTURE CONTOURS INDICATE EXISTING GRADE WHEN FUTURE CONSTRUCTION IS COMPLETED BEFORE CONSTRUCTION BEGINS FOR THIS PROJECT.
- CONTRACTOR TO VERIFY ACCESSIBLE PATH DOES NOT HAVE GAPS GREATER THAN 0.5" WIDTH. FILL GAPS WITH SONNEBORNE SL1 SELF LEVELING SEALANT OR APPROVED EQUAL. COLOR TO MATCH CONCRETE.
- ACCESSIBLE PATH SHALL HAVE A 5.0% MAXIMUM RUNNING SLOPE AND A 2.0% MAXIMUM CROSS SLOPE.
- CONTRACTOR SHALL VERIFY ACCESSIBLE PATH DOES NOT HAVE CHANGE IN ELEVATION GREATER THAN 0.25" VERTICAL/ GRIND CONCRETE UNTIL PAVEMENT IS FLUSH.

## STORM STRUCTURE TABLE

| STRUCTURE ID     | DESCRIPTION         | RIM/GRATE | INVERTS                                                    |
|------------------|---------------------|-----------|------------------------------------------------------------|
| EXISTING MANHOLE | CONNECT TO EXISTING | 390.59    | 18" = 385.00 (E)<br>30" = 383.86 (SE)                      |
| 1.1              | CURB INLET          | 394.99    | 18" = 391.49 (SE)                                          |
| 1.2              | CURB INLET          | 394.66    | 18" = 390.56 (NW)<br>18" = 390.56 (SW)                     |
| 1.3              | CURB INLET          | 394.36    | 18" = 389.31 (NE)<br>18" = 389.85 (NW)<br>18" = 385.36 (W) |
| 1.4              | CURB INLET          | 394.60    | 18" = 391.10 (SE)                                          |

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North Carolina License Nos. 50073 \*  
F-0493 \* C-28

**WOOLPERT**

**PNC BANK**

**PROJECT TITLE:**  
PNC NC ROLESVILLE  
**APPLICATION REF. NO.**  
SDP-26-0003

**PROJECT ADDRESS:**  
800 S. MAIN ST.  
ROLESVILLE, NC 27571

## REVISIONS

| NO. | DESCRIPTION     | DATE       |
|-----|-----------------|------------|
| 1   | TOWN COMMENTS   | 07/02/2025 |
| 2   | TOWN COMMENTS 2 | 07/31/2025 |
|     |                 |            |
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**DATE ISSUED:** 04/30/2026  
**REVIEWED BY:** ANR  
**DRAWN BY:** MEH  
**DESIGNED BY:** JFH

**PROJECT NUMBER:**  
10020503.29  
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**SEAL:**  
NORTH CAROLINA  
PROFESSIONAL  
SEAL  
059104  
MICHAEL TODD FORD  
7/30/2026

**SHEET TITLE:**

**GRADING & DRAINAGE  
PLAN**

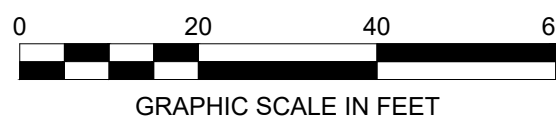
**SHEET ID:**

**C301**

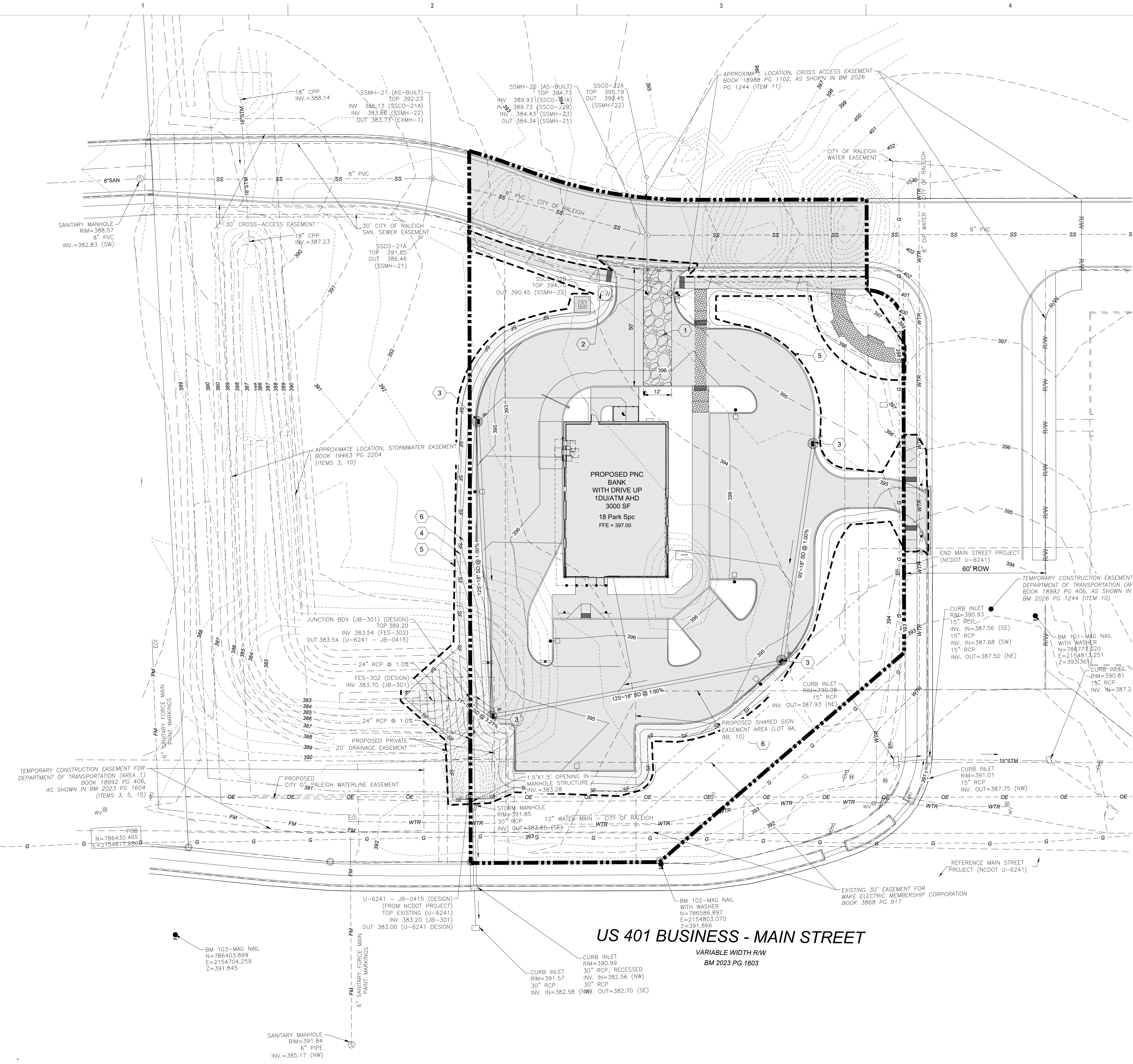
**PROJECT STATUS:**  
100% DESIGN  
DOCUMENTS



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### LEGEND

- 799 --- EXISTING 1' CONTOUR
- 800 --- EXISTING 5' CONTOUR
- 799 --- 1' CONTOUR
- 800 --- 5' CONTOUR
- - - 701 - - FUTURE 1' CONTOUR
- - - 700 - - FUTURE 5' CONTOUR
- - - SF - - TEMPORARY SILT FENCE
- - - - - LIMITS OF DISTURBANCE
- CATCH BASIN
- IP INLET PROTECTION
- TEMPORARY CONSTRUCTION ENTRANCE
- TEMPORARY CONCRETE WASHOUT
- EROSION CONTROL BLANKET
- IMPERVIOUS SURFACE

### NOTES

- SEE SHEET C001 FOR GENERAL NOTES.
- CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET WITHIN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
- CONSTRUCTION FENCE AND SILT FENCE ARE SHOWN ON PLAN SCHEMATICALLY. ADJUST AS NECESSARY.
- EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY GRADING ON SITE.

### KEYNOTES

- TEMPORARY CONSTRUCTION ACCESS, MIN 12' W X 50' L. SEE DETAIL ON SHEET C303.
- CONCRETE WASHOUT. SEE DETAIL ON SHEET C304.
- INLET PROTECTION. SEE DETAIL ON SHEET C304.
- SILT FENCE. SEE DETAIL ON SHEET C304.
- LIMITS OF DISTURBANCE.
- EROSION CONTROL BLANKET. SEE DETAIL ON SHEET C304.

### IMPERVIOUS COVERAGE

|                  |                        |
|------------------|------------------------|
| PARCEL AREA:     | 1.09 ACRES             |
| EXISTING:        | 0.11 ACRES             |
| PROPOSED:        | 0.55 ACRES             |
| MAXIMUM:         | 85% (40,358.3 SQ. FT.) |
| % COVERAGE:      | 60% (28,421.1 SQ. FT.) |
| TOTAL SITE AREA: | 1.09 ACRES             |
| DISTURBED AREA:  | 0.77 ACRES             |

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**PROJECT TITLE:**  
PNC NC ROLESVILLE  
**APPLICATION REF. NO.**  
SDP-26-0003  
**PROJECT ADDRESS:**  
800 S. MAIN ST.  
ROLESVILLE, NC 27571

### REVISIONS

| NO. | DESCRIPTION     | DATE       |
|-----|-----------------|------------|
| 1   | TOWN COMMENTS   | 07/02/2026 |
| 2   | TOWN COMMENTS 2 | 07/31/2026 |

**DATE ISSUED:** 04/30/2026  
**REVIEWED BY:** ANR  
**DRAWN BY:** MEH  
**DESIGNED BY:** JFH  
**PROJECT NUMBER:**  
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**SHEET TITLE:**

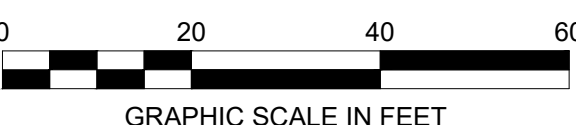
**EROSION CONTROL PLAN**

**SHEET ID:**  
**C302**

**PROJECT STATUS:**  
100% DESIGN DOCUMENTS



Know what's below.  
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|       |  |
|-------|--|
| DATE: |  |
| PAGE: |  |

| SPACING GUIDE FOR SLOPE BREAKS |        |              |
|--------------------------------|--------|--------------|
|                                | SLOPE  | SPACING (FT) |
| Steep Slopes                   | 2:1    | 20           |
|                                | 3:1    | 35           |
|                                | 4:1    | 45           |
| Long Slopes                    | 15-25% | 50           |
|                                | 10-15% | 80           |
|                                | 6-10%  | 125          |
|                                | 3-6%   | 200          |
|                                | <3%    | 300          |

Use slope breaks, such as diversions, wattles, or benches, as appropriate, to reduce the length of cut-and-fill slope to limit sheet and rill erosion and prevent gullyng.

**MAINTENANCE:**

1. Periodically check all graded areas and the supporting erosion and sedimentation control practices, especially after heavy rainfalls.
2. Promptly remove all sediment from diversions and other water-disposal practices.
3. If washouts or breaks occur, repair immediately.
4. Prompt maintenance of small eroded areas before they become significant gullies is an essential part of an effective erosion and sedimentation control plan.

**NOTES:**

1. Construct and maintain all erosion and sediment control practices and measures in accordance with the approved sedimentation control plan and construction schedule.
2. Remove good topsoil from areas to be graded and filled, and preserve it for use in finishing the grading of all critical areas.
3. Scarify areas to be topsoiled to a minimum depth of 2 inches before placing topsoil.
4. Clear and grub areas to be filled by removing trees, vegetation, roots, or other objectionable material that would affect the planned stability of the fill.
5. Ensure that fill material is free of brush, rubbish, rocks, logs, stumps, building debris, and other materials inappropriate for constructing stable fills.
6. Place all fill in layers not to exceed 9 inches in thickness, and compact the layers as required to reduce erosion, slippage, settlement, or other related problems.
7. Do not incorporate frozen, soft, mucky, or highly compressible materials into fill slopes.
8. Do not place fill on a frozen foundation, due to possible subsidence and slippage.
9. Keep diversions and other water conveyance measures free of sediment during all phases of development.
10. Handle seeps or springs encountered during construction in accordance with approved methods (subsurface drain).
11. Permanently stabilize all graded areas immediately after final grading is completed on each area in the grading plan. Apply temporary stabilization measures on all graded areas when work is to be interrupted or delayed for 30 days or longer.
12. Show topsoil, stockpiles, borrow areas, and spoil areas on the plans, and make sure they are adequately protected from erosion. Include final stabilization of these areas in the plan.

|  |                                          |                                                                                  |
|--|------------------------------------------|----------------------------------------------------------------------------------|
|  | <h2 style="margin: 0;">LAND GRADING</h2> | Effective Date: 9/1/2023<br>In accordance with the 2013<br>Design Manual Updates |
|--|------------------------------------------|----------------------------------------------------------------------------------|

**PLAN VIEW**

50' MIN.  
BUT SUFFICIENT TO KEEP SEDIMENT ON SITE

EXISTING ROADWAY

2"-3" STONE TO BE USED (SURGE STONE OR RAILROAD BALLAST)

25' OR WIDTH OF PROPOSED STREET, WHICHEVER IS GREATER.

**CROSS SECTION**

EXISTING ROADWAY

6" MIN.

35' MIN.

15' MIN.

NEW CONSTRUCTION

12" MIN.

FABRIC UNDER STONE

**NOTES:**

1. INSTALL SILT FENCE OR TREE PROTECTION FENCE TO ENSURE CONSTRUCTION ENTRANCE IS USED BY VEHICLES.
2. IF MUD IS NOT REMOVED FROM TIRES AFTER VEHICLE TRAVELS OVER STONE, THE TIRES OF THE VEHICLE MUST BE WASHED BEFORE ENTERING PUBLIC ROADS.

**MAINTENANCE NOTES:**

1. THE GRAVEL CONSTRUCTION ENTRANCE MUST BE MAINTAINED IN A CONDITION TO PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO ADJACENT ROADWAYS.
2. REPLACEMENT OF STONE MAY BE NECESSARY TO ENSURE THE GRAVEL ENTRANCE FUNCTIONS PROPERLY.
3. REPLENISHMENT OF STONE MAY BE NECESSARY.
4. FREQUENT CHECKS OF THE DEVICES AND TIMELY MAINTENANCE SHOULD BE COMPLETED.
5. ANY MATERIAL TRACKED ONTO THE ROADWAY SHALL BE CLEANED UP IMMEDIATELY.

**WAKE COUNTY**  
NORTH CAROLINA

EFFECTIVE: 01/31/08

**STANDARD CONSTRUCTION ENTRANCE**

| DATE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PAGE:                                                                                                       |                |                |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                  |                |             |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------|----------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------|-------------|-----|
| <div> <div>TEMPORARY SEEDING RECOMMENDATIONS<br/>FOR LATE WINTER AND EARLY SPRING</div> <div> <div>Seeding Mixture</div> <table> <tr> <th>Species</th><th>Rate (lb/acre)</th></tr> <tr> <td>Rye (grain)</td><td>120</td></tr> <tr> <td>Annual lespedeza (Kobe in<br/>Piedmont and Coastal Plain,<br/>Korean in Mountains)</td><td>50</td></tr> </table> <p>Omit annual lespedeza when duration of temporary cover is not to extend beyond June.</p> <div> <div>Seeding Dates</div> <p>Mountains—Above 2500 feet: Feb. 15 - May 15<br/> Below 2500 feet: Feb. 1- May 1<br/> Piedmont—Jan. 1 - May 1<br/> Coastal Plain—Dec. 1 - Apr. 15</p> </div> <div> <div>Mulch</div> <p>Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.</p> </div> <div> <div>Maintenance</div> <p>Refertilize if growth is not fully adequate. Reseed, refertilize and mulch immediately following erosion or other damage.</p> </div> </div> </div>                                                                                                                                                                                                                                                                                                                                        |                                                                                                             | Species        | Rate (lb/acre) | Rye (grain) | 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Annual lespedeza (Kobe in<br>Piedmont and Coastal Plain,<br>Korean in Mountains) | 50             |             |     |
| Species                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Rate (lb/acre)                                                                                              |                |                |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                  |                |             |     |
| Rye (grain)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 120                                                                                                         |                |                |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                  |                |             |     |
| Annual lespedeza (Kobe in<br>Piedmont and Coastal Plain,<br>Korean in Mountains)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 50                                                                                                          |                |                |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                  |                |             |     |
| <div> <div>TEMPORARY SEEDING RECOMMENDATIONS FOR SUMMER</div> <div> <div>Seeding Mixture</div> <table> <tr> <th>Species</th><th>Rate (lb/acre)</th></tr> <tr> <td>German millet</td><td>40</td></tr> </table> <p>In the Piedmont and Mountains, a small-stemmed Sudangrass may be substituted at a rate of 50 lb/acre.</p> <div> <div>Seeding Dates</div> <p>Mountains — May 15 - Aug. 15<br/> Piedmont — May 1 - Aug. 15<br/> Coastal Plain — Apr. 15 - Aug. 15</p> </div> <div> <div>Mulch</div> <p>Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.</p> </div> <div> <div>Maintenance</div> <p>Refertilize if growth is not fully adequate. Reseed, refertilize and mulch immediately following erosion or other damage.</p> </div> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Species                                                                                                     | Rate (lb/acre) | German millet  | 40          | <div> <div>TEMPORARY SEEDING RECOMMENDATIONS FOR FALL</div> <div> <div>Seeding Mixture</div> <table> <tr> <th>Species</th><th>Rate (lb/acre)</th></tr> <tr> <td>Rye (grain)</td><td>120</td></tr> </table> <div> <div>Seeding Dates</div> <p>Mountains — Aug. 15 - Dec. 15<br/> Coastal Plain and Piedmont — Aug. 15 - Dec. 31</p> </div> <div> <div>Mulch</div> <p>Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.</p> </div> <div> <div>Maintenance</div> <p>Repair and refertilize damaged areas immediately. Topdress with 50 lb/acre of nitrogen in March. If it is necessary to extend temporary cover beyond June 15, overseed with 50 lb/acre Kobe (Piedmont and Coastal Plain) or Korean (Mountains) lespedeza in late February or early March.</p> </div> </div> </div> | Species                                                                          | Rate (lb/acre) | Rye (grain) | 120 |
| Species                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Rate (lb/acre)                                                                                              |                |                |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                  |                |             |     |
| German millet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 40                                                                                                          |                |                |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                  |                |             |     |
| Species                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Rate (lb/acre)                                                                                              |                |                |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                  |                |             |     |
| Rye (grain)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 120                                                                                                         |                |                |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                  |                |             |     |
| <div> <div>SEED BED PREPARATION:</div> <p>LIMING- Apply lime according to soil test recommendations. If the pH (acidity) of the soil is not known, an application of ground agricultural limestone at the rate of 1-1½ tons/acre on coarse-textured soils and 2-3 tons/acre on fine-textured soils is usually sufficient. Apply limestone uniformly and incorporate into the top 4-6 inches of soil.</p> <p>FERTILIZER- Base application rates on soil tests. When these are not possible, apply a 10-10-10 grade fertilizer at 700 - 1,000 lb/acre. Both fertilizer and lime should be incorporated into the top 4-6 inches of soil. If a hydraulic seeder is used, do not mix seed and fertilizer more than 30 minutes before application.</p> <p>SURFACE ROUGHENING- If recent tillage operations have resulted in a loose surface additional roughening may not be required, except to break up large clods. If rainfall causes the surface to become sealed or crusted, loosen it just prior to seeding by raking, harrowing, or other suitable methods for fine grading. The finished grade shall be a smooth even soil surface with a loosen uniformly fine texture. All ridges and depressions shall be removed and filled to provide the approved surface drainage. Planting is to be done immediately after finished grades are obtained and seedbed preparation is completed.</p> </div> |                                                                                                             |                |                |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                  |                |             |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <div>Effective Date: 9/1/2023</div> <div>In accordance with the 2013</div> <div>Design Manual Updates</div> |                |                |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                  |                |             |     |
| TEMPORARY SEEDING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                             |                |                |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                  |                |             |     |

**RS&H**  
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Phone: 704-752-0610, Fax: 704-949-2672  
[www.rsandh.com](http://www.rsandh.com)  
North Carolina License Nos. 50073 \*  
F-0493 \* C-28



WOOLPERT



**PROJECT TITLE:**  
**PNC NC ROLESVILLE**  
**APPLICATION REF. NO.**  
SDP-26-0003

**PROJECT ADDRESS:**  
800 S. MAIN ST.  
ROLESVILLE, NC 27571

[illegible]

|                        |            |
|------------------------|------------|
| <b>DATE ISSUED:</b>    | 04/30/2025 |
| <b>REVIEWED BY:</b>    | ANH        |
| <b>DRAWN BY:</b>       | MEH        |
| <b>DESIGNED BY:</b>    | JFH        |
| <b>PROJECT NUMBER:</b> |            |
| 10020503.29            |            |
| © 2025 RS&H, INC       |            |

SEAL:



7/30/202

**SHEET TITLE:**

**EROSION CONTROL  
DETAILS**

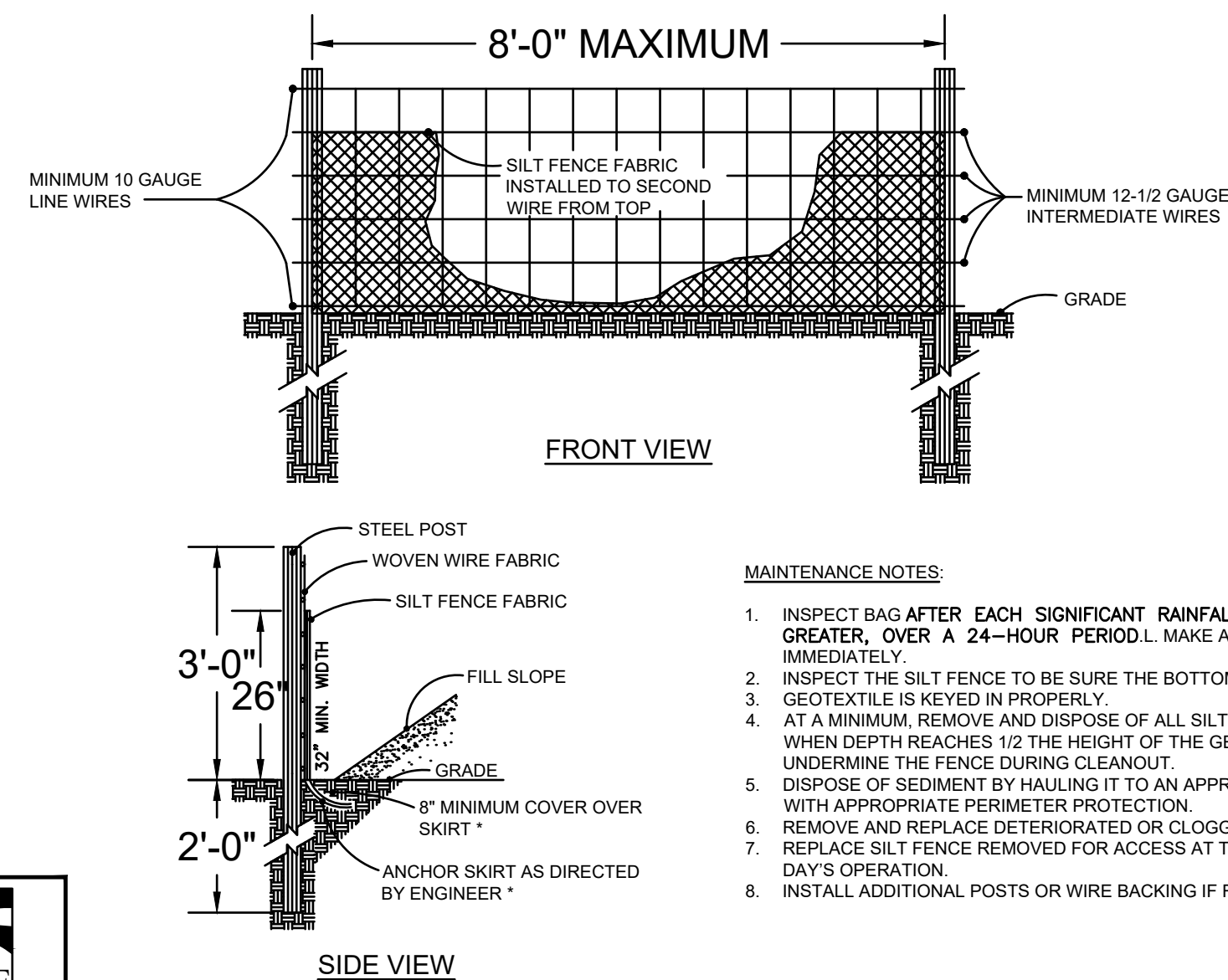
**SHEET ID:**

**C303**

**PROJECT STATUS:**

100% DESIGN  
DOCUMENTS

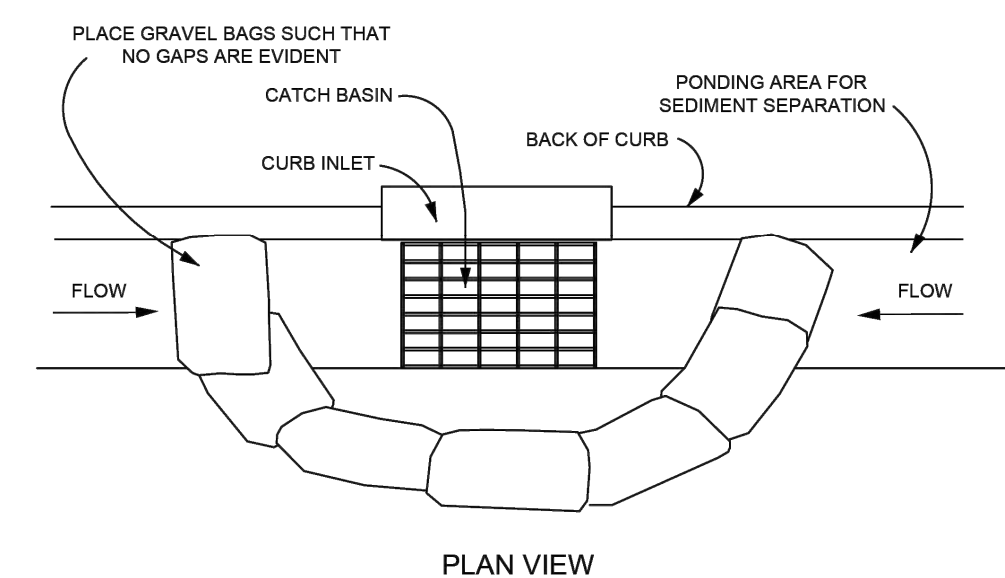
CONCRETE WASHOUT  
N.T.S.



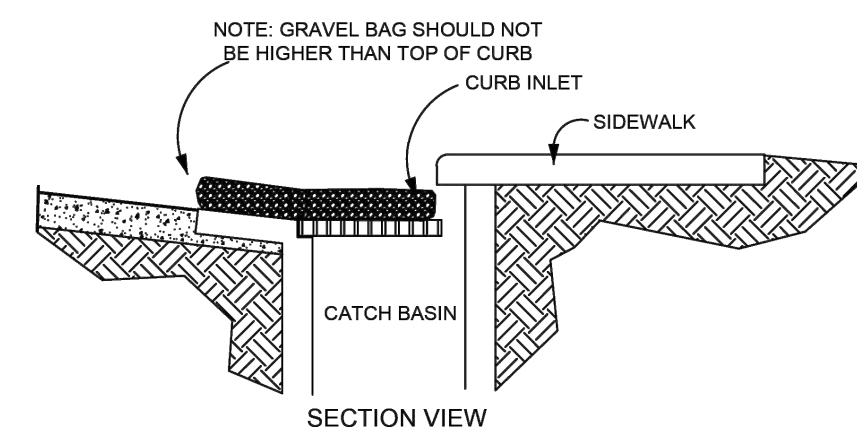
STANDARD TEMPORARY SILT FENCE



EFFECTIVE: 10/15/2025



### PLAN VIEW



SECTION VIEW

NOTES:

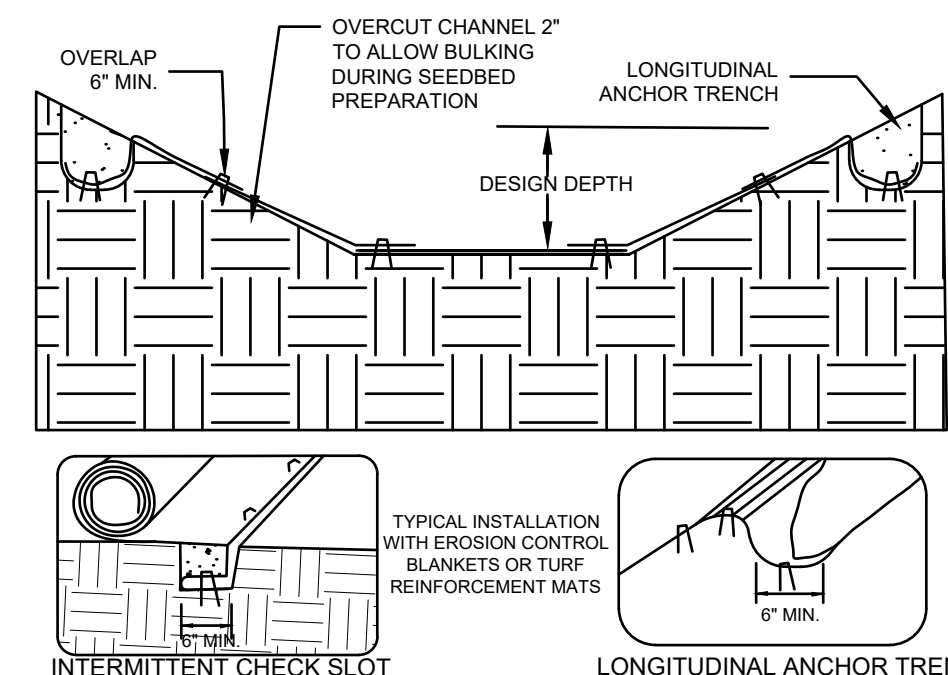
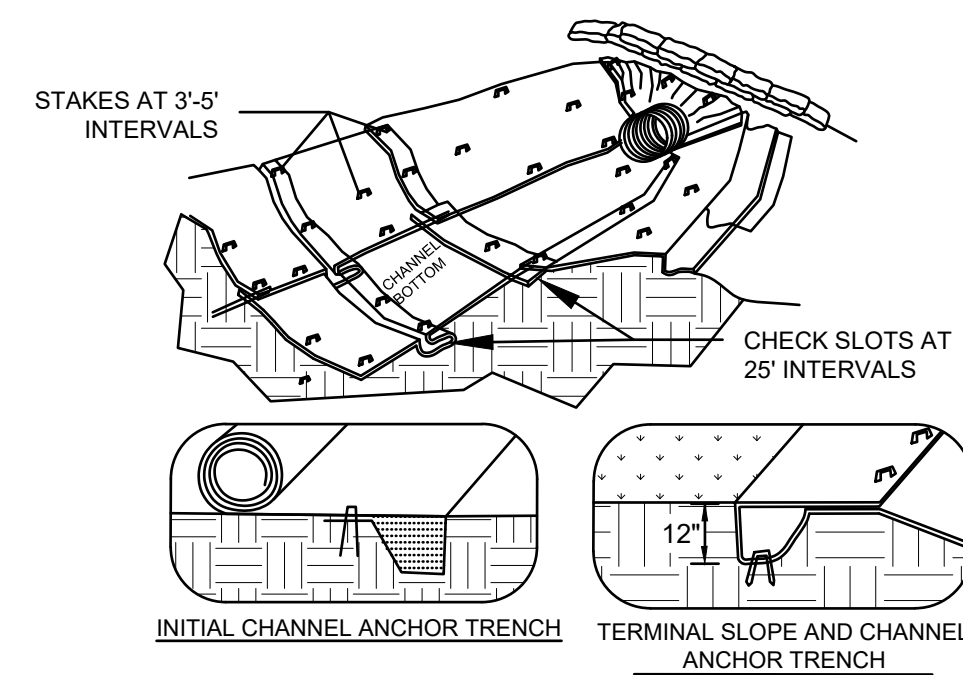
1. PLACE GRAVEL BAG BARRIER ON GENTLY SLOPING STREET, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. USE SAND BAGS OF WOVEN GEOTEXTILE FABRIC (NOT BURLAP) AND FILL WITH  $\frac{1}{2}$  INCH (OR SMALLER) GRAVEL. BAGS MUST BE LAYERED SUCH THAT NO GAPS ARE EVIDENT.
3. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.
4. WHEN INSTALLING CURB INLET PROTECTION DEVICES, **NEVER** BLOCK THE CURB INLET.



EFFECTIVE: 10/15/2025

### STANDARD GRAVEL BAG CURB INLET PROTECTION

DATE:



NOTES:

1. Lime, fertilizer and seed before installation. Planting of shrubs, trees, etc. should occur after installation.
2. Slope surface shall be smooth before placement for proper soil contact.
3. Design velocities exceeding 2 feet/second require temporary blankets, mats or similar liners to protect seed and soil until vegetation becomes established.
4. Terminal anchor trenches are required at RECP ends and intermittent check slots must be constructed across channels at 25 foot intervals.
5. Terminal anchor trenches should be a minimum of 12 inches in depth and 6 inches in width. Intermittent check slots should be 6 inches deep and 6 inches wide.
6. For installation on a slope, place RECP 2-3 feet over the top of the slope and into an excavated end trench measuring approximately 12 inches deep by 6 inches wide. Pin the RECP at 1 foot intervals along the bottom of the trench, backfill and compact. Unroll the RECP down the slope, maintaining direct contact between the foot and RECP. Secure using staples or pins in a 3 foot center-to-center pattern.
7. 11 gauge, at least 6 inch by 1 inch staples or 12 inch minimum length wooden stakes are recommended for anchoring.
8. Grass-lined channels with design velocities exceeding 6 feet/second should include turf reinforcement mats
9. Check slots to be constructed per manufacturers specifications.
10. Staking or stapling layout per manufacturers specification.
11. If there is a berm at the top of slope, anchor up-slope of the berm.
12. Do not stretch blankets/mating tight, allow the rolls to conform to any irregularities.
13. For slopes less than 3H:1V, rolls may be placed in horizontal strips.

MAINTENANCE:

1. Inspect Rolled Erosion Control Products at least weekly and after each rainfall of 1.0 inch or greater, repair immediately.
2. Good contact with the ground must be maintained, and erosion must not occur beneath the RECP.
3. Any areas of the RECP that are damaged or not in close contact with the ground shall be repaired and stapled.
4. If erosion occurs due to poorly controlled drainage, the problem shall be fixed and the eroded area protected.
5. Monitor and repair the RECP as necessary until ground cover is established.



## ROLLED EROSION CONTROL PRODUCTS

|                                                                                  |
|----------------------------------------------------------------------------------|
| Effective Date: 9/1/2023<br>In accordance with the 2013<br>Design Manual Updates |
|----------------------------------------------------------------------------------|

[illegible]

DATE ISSUED: 04/30/2026

REVIEWED BY: ANR

DRAWN BY: MEH

DESIGNED BY: JFH

PROJECT NUMBER:

10020503 29

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**SHEET TITLE:**

## EROSION CONTROL DETAILS

SHEET ID:

C304

**PROJECT STATUS:**

100% DESIGN  
DOCUMENTS

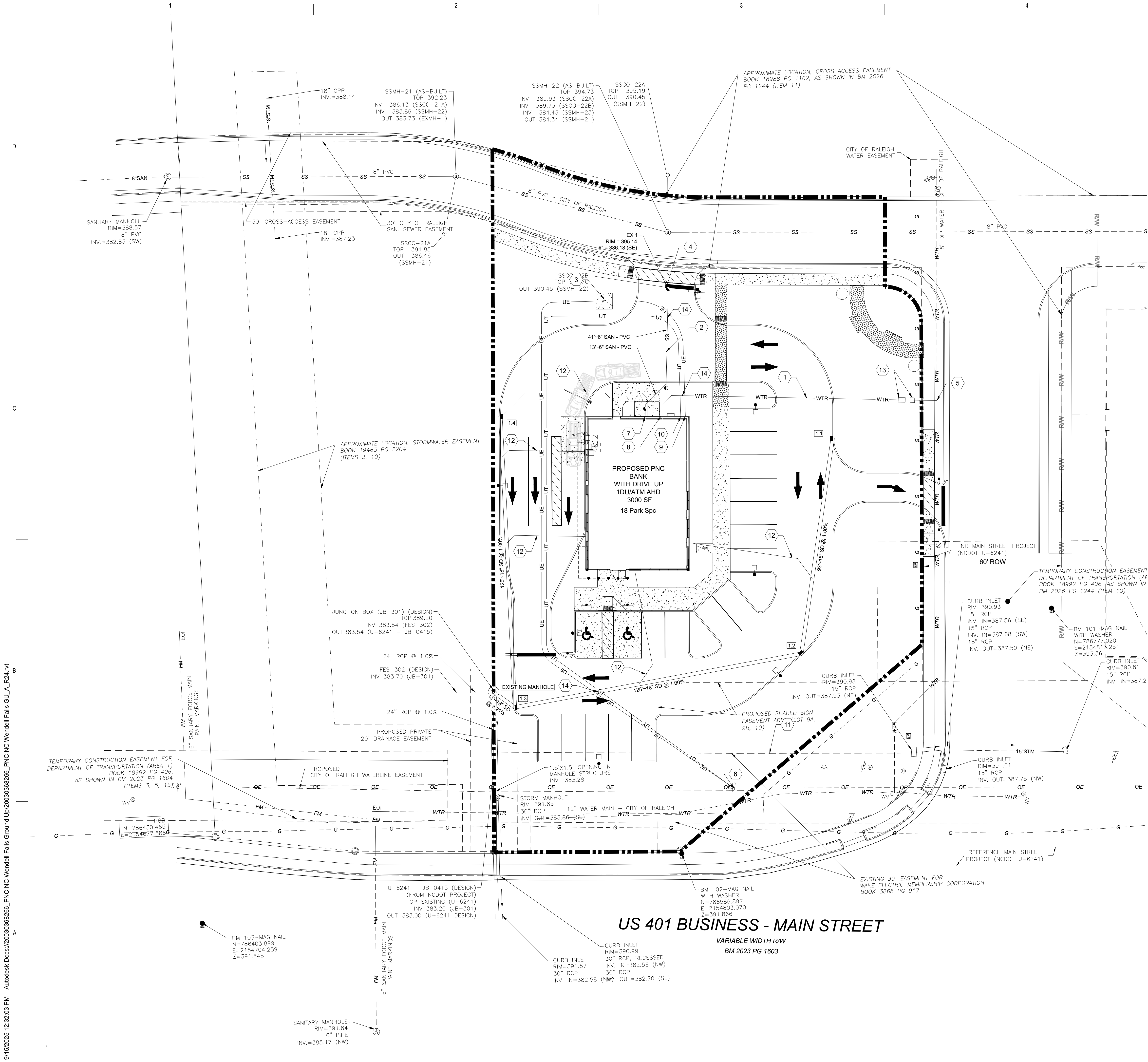


Know what's below.  
**Call** before you dig.



**PROJECT TITLE:**  
**PNC NC ROLESVILLE**  
**APPLICATION REF. NO.**  
**SDP-26-0003**

**PROJECT ADDRESS:**  
800 S. MAIN ST.  
ROLESVILLE, NC 27571



UTILITY LEGEND

- 1.1 PROPOSED STORM STRUCTURE ID
- 2.1 PROPOSED SANITARY SEWER STRUCTURE ID
- PROPOSED CLEANOUT

KEYNOTES

- 1-1/2" COPPER K DOMESTIC WATER SERVICE LINE.
- 6" SANITARY SEWER LINE AT 0.50% MINIMUM SLOPE.
- PROPOSED TRANSFORMER. CONTRACTOR TO COORDINATE WITH ELECTRIC COMPANY.
- CONNECT TO FUTURE SANITARY SEWER. CONTRACTOR TO VERIFY LOCATION AND ELEVATION.
- CONTRACTOR TO CONNECT TO FUTURE WATER SERVICE LINE PER AGENCY REQUIREMENTS.
- CONTRACTOR TO CONNECT ELECTRICAL AND TELECOMMUNICATION SERVICE TO EXISTING POWER POLE.
- SANITARY SEWER SERVICE BUILDING CONNECTION. SEE PLUMBING PLANS FOR DETAILS.
- WATER SERVICE BUILDING CONNECTION. SEE PLUMBING PLANS FOR DETAILS.
- ELECTRICAL SERVICE BUILDING CONNECTION. SEE ELECTRICAL PLANS FOR DETAILS.
- COMMUNICATIONS LINE BUILDING CONNECTION. SEE ELECTRICAL PLANS FOR DETAILS.
- EXISTING 30' EASEMENT TO WAKE ELECTRIC MEMBERSHIP CORP.
- BUILDING/DOWNSPOUT CONNECTION. SEE ARCHITECTURAL PLANS FOR DETAILS.
- WATER SERVICE VALVE AND METER BOX. SEE SHEET C803 FOR DETAILS.
- MAINTAIN 18" MINIMUM VERTICAL SEPARATION BETWEEN UTILITIES.

**RS&H**  
1520 South Blvd., Suite 200  
Charlotte, NC 28203  
Phone: 704-752-0610, Fax: 704-949-2672  
www.rsandh.com  
North Carolina License Nos. 50073 \*  
F-0493 \* C-28



**PROJECT TITLE:**  
PNC NC ROLESVILLE  
**APPLICATION REF. NO.**  
SDP-26-0003  
**PROJECT ADDRESS:**  
800 S. MAIN ST.  
ROLESVILLE, NC 27571

| REVISIONS |                 |            |
|-----------|-----------------|------------|
| NO.       | DESCRIPTION     | DATE       |
| 1         | TOWN COMMENTS   | 07/02/2026 |
| 2         | TOWN COMMENTS 2 | 07/31/2026 |
|           |                 |            |
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|           |                 |            |

DATE ISSUED: 04/30/2026  
REVIEWED BY: ANR  
DRAWN BY: MEH  
DESIGNED BY: JFH  
PROJECT NUMBER:  
10020503.29  
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SHEET TITLE:

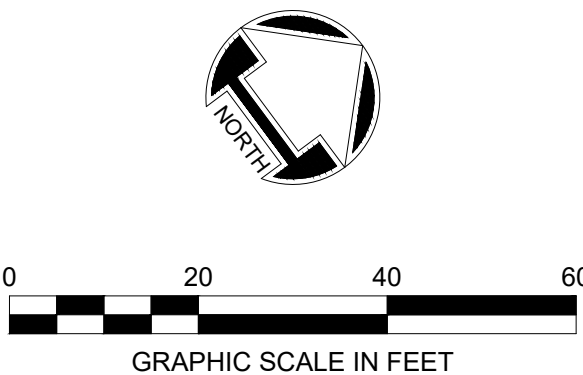
UTILITY PLAN

SHEET ID:  
**C401**

PROJECT STATUS:  
100% DESIGN  
DOCUMENTS

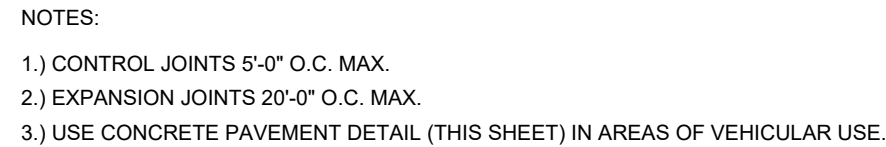


Know what's below.  
Call before you dig.





1. COORDINATE WITH GEOTECHNICAL REPORT FOR PAVEMENT SECTION, DENSIFICATION, SUBGRADE PREPARATION, AND ENGINEERED FILL PLACEMENT RECOMMENDATIONS. SHOULD A CONFLICT EXIST, NOTIFY ENGINEER PRIOR TO CONSTRUCTION.
2. UNDERCUT ANY UNSUITABLE MATERIAL UP TO 24" AS REQUIRED AND REPLACE WITH SELECT MATERIAL AS DETERMINED BY LICENSED GEOTECHNICAL ENGINEER.
3. NO BASE COURSE SHALL BE PLACED ON MULCH, PINE CLAY, ORGANIC MATTER OR OTHER UNSUITABLE MATERIAL.
4. WHEN CURBING IS NOT SPECIFIED, BASE COURSE SHALL EXTEND A MINIMUM OF 12" BEYOND EDGE OF ASPHALT.
5. THE PAVEMENT DESIGN SHOWN REPRESENTS THE MINIMUM THICKNESS OF SURFACE AND BASE COURSE TO BE USED. SUBGRADE SOILS TESTS MAY DETERMINE HEAVIER PAVEMENT DESIGNS ARE REQUIRED.
6. ALL MATERIALS SHALL MEET THE REQUIREMENTS SET FORTH IN THE LATEST DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.
7. CONTRACTOR SHALL NOTIFY ENGINEER IF SATURATED SUBGRADE IS ENCOUNTERED DURING CONSTRUCTION AS ADDITIONAL DRAINAGE MEASURES MAY BE REQUIRED.
8. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.



N.T.S



1. THE INFORMATION AND DIMENSIONS PROVIDED ON THE SITE PLAN SHALL APPLY UNLESS OTHERWISE NOTED.
2. VAN ACCESSIBLE SPACES SHALL BE 16' WIDE (SPACE AND ACCESS AISLE). VAN ACCESSIBLE SPACE CAN BE 11' MIN PARKING SPACE WITH 5' ACCESS AISLE OR 8' MIN PARKING SPACE WITH AN 8' MIN ACCESS AISLE.

N.T.S



1. BOLLARD NOT REQUIRED IF ACCESSIBLE SIGNAGE IS LOCATED IN GRASS AND OVER THREE (3) FEET BEYOND THE BACK OF CURB.
2. FOR NON-VAN ACCESSIBLE PARKING SIGNAGE, ALIGN TOP OF THE SIGN WITH VAN ACCESSIBLE PARKING.
3. SIGNS LOCATED WITHIN A CIRCULATION PATH SHALL BE A MINIMUM OF 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN.

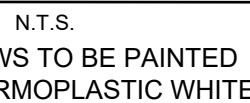
N.T.S



- NOTES:
- 1.) CONTRACTION JOINTS SHALL BE PLACED EVERY 20' MAX. TO A DEPTH OF 1 1/2".
  - 2.) FULL DEPTH SEPARATORS ARE NOT PERMITTED EXCEPT AT EXPANSION JOINTS.
  - 3.) EXPANSION JOINTS TO BE PLACED @ 100' MAXIMUM.



N.T.S.



N.T.S











August 31, 2026

Town of Rolesville  
Department of Planning  
502 Southtown Circle  
Rolesville, NC 27571

**RE: PNC Bank – 800 South Main Street, Rolesville, NC 27517**  
**Woolpert Project No. 10020503.29**  
**City Project No. SDP-26-0003**

In reference to the above-mentioned project, we have received your review comments and have worked to address the concerns. The following are your comments for ease of reference followed by our response in italics.

#### **I. Plan Review Comments**

##### **C000 – COVER SHEET**

1. ADDRESS- Per IMAPS, it is 810. The application lists it as '748 S MAIN ST' and there (Cover Sheet C000) it lists the project address as '800 S. MAIN ST.'. Please correct this discrepancy so the address is consistent across the application form and the plans.  
*We have coordinated with Stephen Wolf and have confirmed the project address is 800 S. Main Street. Please refer to the first round of comments dated 05/08/2026 from Stephen Wolf.*
2. You have Proposed IC as acreage, and the MAX IC as a percentage - there is no way to compare the two. For Proposed, calculate and include the Percentage, and for MAX, calculate the acreage based off 85% max of the lot size, which appears to be 1.09 acres.  
*Revised to show both percentages and acreage.*

##### **C001 – General Notes and Legend**

1. The Zoning Classification is listed as 'GC-CZ' on the Cover Sheet (Sheet C000) and the application form, but here under SITE INFO: it is 'GI-CZ'. Please update the plans to consistently reflect the correct zoning district.  
*Zoning information updated.*

##### **C201 – SITE PLAN**

2. Please include a bike rack detail in the plans.  
*Detail included on C801.*

Sincerely,  
**Todd Ford, PE**  
Discipline Leader, Buildings  
D: 513.527.2525  
Todd.ford@woolpert.com

11486 Corporate Blvd, Suite 190 | Orlando, FL 32817  
407.381.2192 | WOOLPERT.COM