

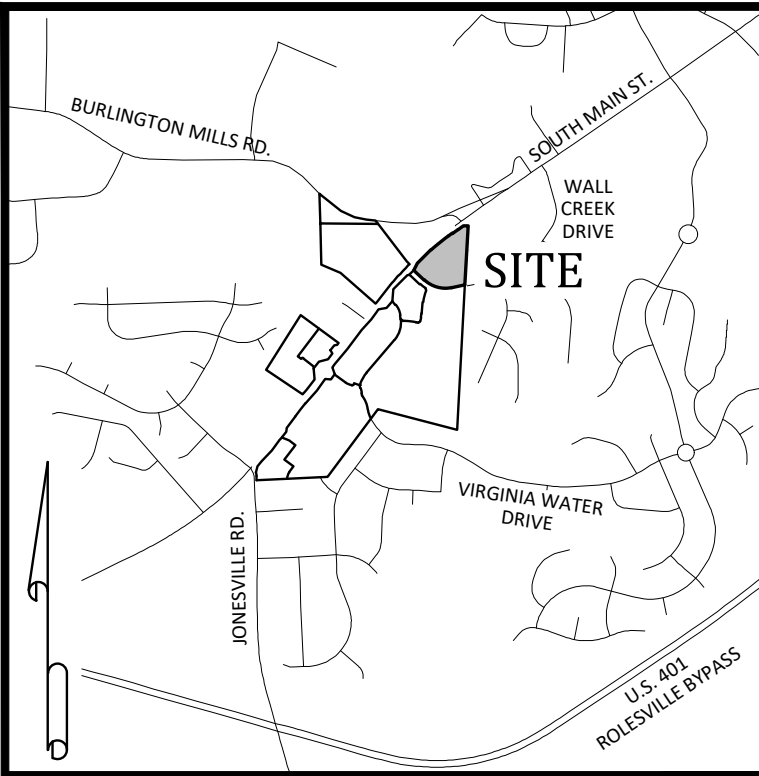
CHAPEL HILL TIRE AT WALLBROOK

SITE DEVELOPMENT PLAN - SDP 26-xxxx

May 31, 2026

PIN # 1758-67-2944 (Lot 8B) | 633 S. Main St

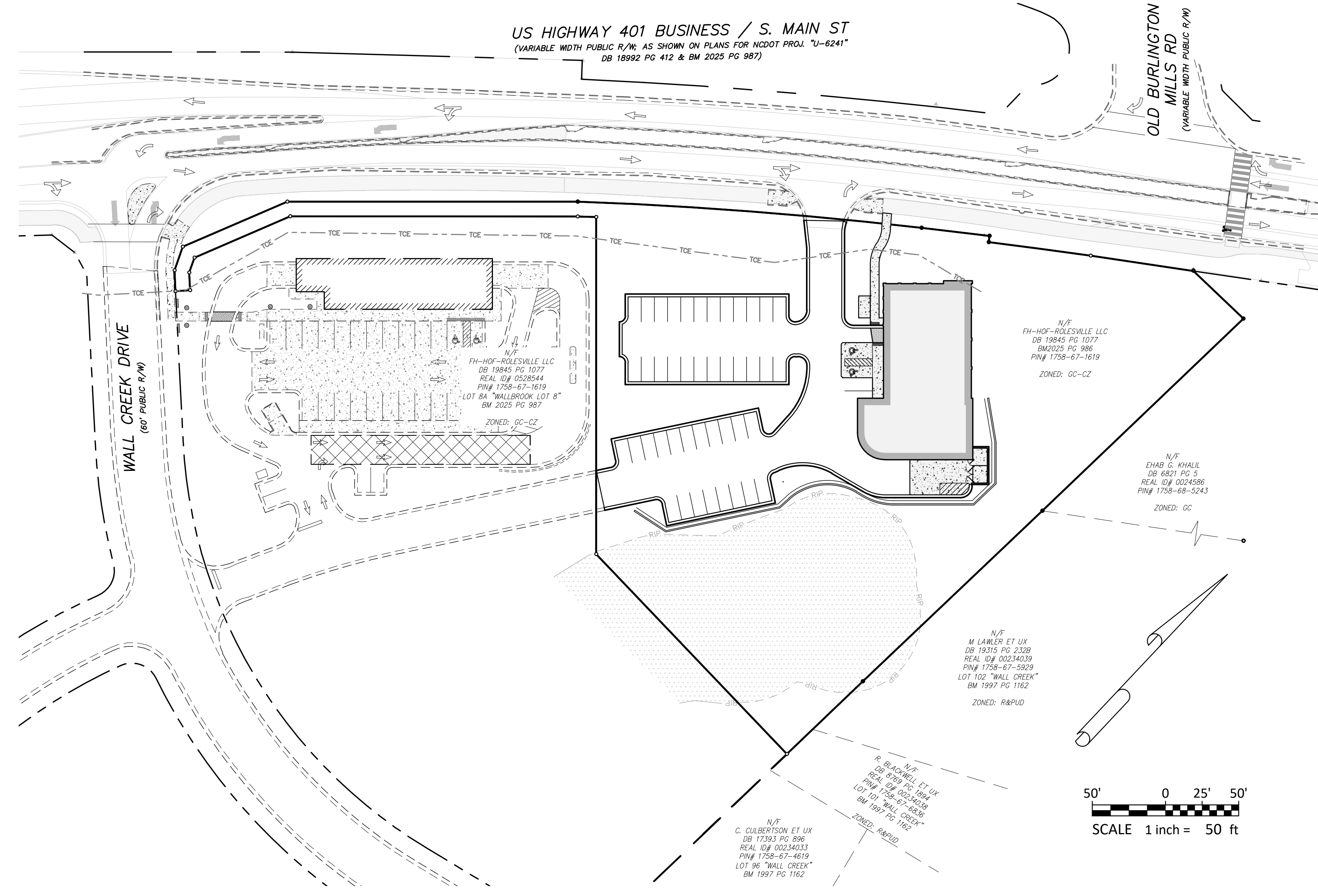
Wake Forest Township ~ Town of Rolesville ~ Wake County ~ North Carolina



Vicinity Map

General Notes:

- THE FOLLOWING DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THIS SITE PLAN:
 - "REVISED WALLBROOK DEVELOPMENT TRAFFIC IMPACT ANALYSIS" PREPARED BY STANTEC CONSULTING SERVICES, INC., DATED AUGUST 11, 2020
- THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SET FORTH HEREIN ARE PART OF THE REQUIRED CONSTRUCTION DOCUMENTS, AND, IN CASE OF CONFLICT, SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF ANY SUCH DISCREPANCY BETWEEN THE GEOTECHNICAL REPORTS AND PLANS AND SPECIFICATIONS PRIOR TO PROCEEDING WITH ANY FURTHER WORK.
- CONTACT NORTH CAROLINA ONE-CALL CENTER, INC. (NC ONE-CALL) AT 811 TO HAVE ALL UNDERGROUND UTILITIES LOCATED PRIOR TO EXCAVATING OR TRENCHING.
- ALL REQUIRED IMPROVEMENTS SHALL CONFORM TO THE TOWN OF ROLESVILLE LAND DEVELOPMENT ORDINANCE AND THE TOWN OF ROLESVILLE DEVELOPMENT STANDARDS.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND ALL APPLICABLE REQUIREMENTS AND STANDARDS OF ALL GOVERNMENTAL ENTITIES HAVING JURISDICTION OVER THIS PROJECT.
- CONTRACTOR SHALL NOTIFY NCDOT AND TOWN OF ROLESVILLE PUBLIC WORKS, STREET MAINTENANCE DIVISION 48 HOURS PRIOR TO MAKING CONNECTIONS TO EXISTING STORM DRAINS LOCATED WITHIN PUBLIC STORM DRAINAGE EASEMENTS OR RIGHT-OF-WAY.
- THIS PROPERTY IS LOCATED WITHIN ZONE "Y", AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS SHOWN ON NATIONAL FLOOD INSURANCE PROGRAM RATE MAP (FIRM) 3720175800K, EFFECTIVE DATE JULY 19, 2022.
- ELECTRIC AND TELEPHONE UTILITIES SHALL BE INSTALLED UNDERGROUND.
- REFER TO ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS.
- REFER TO M.E.P. PLANS FOR COORDINATION OF BUILDING UTILITY SERVICES.
- THIS PROJECT DISTURBS MORE THAN 1/2 ACRE FOR PURPOSES OF A COMMERCIAL DEVELOPMENT. PROJECT IS SUBJECT TO THE TOWN OF ROLESVILLE STORMWATER MANAGEMENT ORDINANCE. STORMWATER MANAGEMENT PLAN APPROVAL BY THE TOWN OF ROLESVILLE IS REQUIRED.
- THIS PROJECT DISTURBS MORE THAN 1 ACRE. EROSION & SEDIMENTATION CONTROL PLAN APPROVAL IS REQUIRED.
- NCDOT DRIVEWAY PERMIT APPROVAL IS COMPLETED FOR THIS PROJECT. REFERENCE NCDOT PERMIT NUMBER D051-092-22-00049.
- REFUSE COLLECTION SHALL BE PROVIDED BY PRIVATE SERVICE FOR COMMERCIAL DEVELOPMENT.
- ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
- SITE SHALL MEET ALL RELATED ACCESSIBILITY CODE REQUIREMENTS.
- ALL ACCESSIBLE PARKING SPACES SHALL BE CONSTRUCTED TO MEET, AT A MINIMUM, THE MORE STRINGENT OF THE REQUIREMENTS OF THE "AMERICANS WITH DISABILITIES ACT" (ADA) CODE OR THE REQUIREMENTS OF THE JURISDICTION WHERE THIS PROJECT IS TO BE CONSTRUCTED.
- EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL AND ILLUSTRATIVE IN NATURE AND MAY NOT INCLUDE ALL MECHANICAL, ELECTRICAL AND MISCELLANEOUS STRUCTURES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING ON THE WORK FOR THIS PROJECT. IF CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT THAN THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
- THESE PLANS ARE BASED ON INFORMATION PROVIDED TO ARK CONSULTING GROUP, PLLC BY THE OWNER AND OTHERS PRIOR TO THE TIME OF PLAN PREPARATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ARK CONSULTING GROUP, PLLC IF ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN, OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER ON-SITE FEATURES.
- UNDERGROUND UTILITIES PLOTTED IN PART FROM ACTUAL FIELD LOCATION OF ABOVE GROUND FEATURES AND IN PART FROM MAPS ON RECORD. ACTUAL LOCATIONS MAY VARY. SURVEYOR AND ENGINEER CANNOT PROVIDE ACCURACY OF INFORMATION TAKEN FROM RECORD DATA. OTHER UTILITIES MAY EXIST. CONTRACTOR SHOULD CONTACT NORTH CAROLINA ONE-CALL CENTER (NC ONE-CALL) BY DIALING 811 TO HAVE UNDERGROUND UTILITIES LOCATED PRIOR TO EXCAVATING OR TRENCHING.
- THE ENGINEER MAKES NO GUARANTEE THAT THE UTILITIES SHOWN ARE COMPRISED OF ALL SUCH UTILITIES IN THE AREA OF SURVEY EITHER IN SERVICE OR ABANDONED. THE ENGINEER FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THE ENGINEER DOES HEREBY CERTIFY THAT ALL UTILITIES ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE ENGINEER HAS NOT PHYSICALLY UNCOVERED AND LOCATED ANY UNDERGROUND UTILITIES.
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED THE COMMENTS TO ALL PLANS AND OTHER DOCUMENTS REVIEWED AND APPROVED BY THE PERMITTING AUTHORITIES. CONTRACTOR SHALL HAVE COPIES OF ALL PERMITS AND APPROVALS ON SITE AT ALL TIMES.
- ALL DIMENSIONS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS AND GRADES SHOWN INCORRECTLY ON THESE PLANS PRIOR TO THE GIVING OF SUCH NOTIFICATION AND THE ENGINEER'S WRITTEN AUTHORIZATION OF SUCH ADDITIONAL WORK.
- CONTRACTOR SHALL REFER TO THE ARCHITECTURAL / BUILDING PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRY / EXIT POINTS, ELEVATIONS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY LOCATIONS.
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE THE BUILDING LAYOUT BY CAREFUL REVIEW OF THE SITE PLAN AND LATEST ARCHITECTURAL PLANS (INCLUDING, BUT NOT LIMITED TO, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SUPPRESSION PLAN, WHERE APPLICABLE). CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER, ARCHITECT AND SITE ENGINEER OF ANY DISCREPANCIES.
- THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO ANY NEW OR EXISTING CONSTRUCTION OR PROPERTY DURING THE COURSE OF CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB & GUTTER. CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REPLACE ALL INTERSECTION CABLE, WIRING CONDUITS, AND ANY UNDERGROUND ACCESSORY EQUIPMENT DAMAGED DURING CONSTRUCTION. THE REPAIR OF ANY SUCH NEW OR EXISTING CONSTRUCTION OR PROPERTY SHALL RESTORE SUCH CONNECTION OR PROPERTY TO A CONDITION EQUIVALENT TO OR BETTER THAN THE EXISTING CONDITIONS, AND IN CONFORMANCE WITH APPLICABLE CODES. CONTRACTOR IS RESPONSIBLE TO DOCUMENT ALL EXISTING DAMAGE AND NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION.
- THE ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, NOR IS THE ENGINEER RESPONSIBLE FOR ANY CONFLICTS OR SCOPE REVISIONS WHICH RESULT FROM THE SAME. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE MEANS AND METHODS FOR COMPLETION OF THE WORK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- THE OWNER / CONTRACTOR SHALL BE FAMILIAR WITH AND RESPONSIBLE FOR THE PROCUREMENT OF ANY AND ALL CERTIFICATIONS REQUIRED FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
- REFER TO "WALLBROOK PRELIMINARY DEVELOPMENT" PR 21-04 REV FOR OPEN SPACE CALCULATIONS AND REQUIREMENTS FOR THE WALLBROOK DEVELOPMENT.



Site Data

WAKE COUNTY PIN:	1758-67-2944
REAL ESTATE ID:	0509438
CURRENT ZONING:	GC-CZ
TOTAL ACRES IN SITE:	2.40 AC (LOT 8B)
TOTAL ACRES IN PROJECT LIMITS:	1.52 AC
DISTURBED ACREAGE:	1.52 AC
WATERSHED:	Lower Neuse
RIVER BASIN:	Neuse
CURRENT USE:	VACANT / CLEARED / GRADED
PROPOSED USE:	NON-RESIDENTIAL
BUILDING FLOOR AREA:	7,972 SF
BUILDING LOT COVERAGE:	0% EXIST., 7.6% PROPOSED
BUILDING HEIGHT:	20'-8" (1 STORY)
TOTAL NUMBER OF PARKING SPACES REQUIRED:	20 SPACES (INCL. 1 H/C)
TOTAL NUMBER OF PROPOSED PARKING SPACES:	46 SPACES (INCL. 2 H/C)
TOTAL SQ. FEET OF EXIST. IMPERVIOUS AREA:	0 SF
TOTAL SQ. FEET OF PROP. IMPERVIOUS AREA:	31,909 SF
TOTAL SQ. FEET OF IMPERVIOUS AREA:	31,909 SF
DEVELOPMENT STANDARDS:	LDO
REFERENCES:	DB 1984S, PG 1077 BM 2025, PG 986 BM 2025, PG 987 BM 2025, PG 988 633 S. MAIN STREET

Parking Requirements:

PARKING REQUIRED:	RETAIL SALES AND SERVICES	
	MINIMUM: 2.5 / 1000 SF = 7,972 / 1000 * 2.5	20 SPACES
	MAXIMUM: 7.5 / 1000 SF = 7,972 / 1000 * 7.5	60 SPACES
TOTAL REQUIRED PARKING:		20 SPACES
REQUIRED HANDICAP PARKING:		2 SPACES
PARKING PROVIDED:		46 SPACES (INCL. 2 H/C)

Pedestrian Amenities Legend

PA #1	MULTI-USE PATH / GREENWAY	PA #3	ENHANCED PAVING AREA DECORATIVE STAMPED ASPHALT PAVING. SEE DETAIL SHEET C6.1
PA #2	BENCHES SEE DETAIL C6.1	PA #4	LARGE PLANTED POTS SEE DETAIL SHEET C6.1

Sheet Index

#	Title	ISSUED	REVISED
C0.1	Cover	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C0.2	Existing Conditions & Demolition Plan	<input type="checkbox"/>	<input type="checkbox"/>
C1.0	Erosion Control Notes	<input type="checkbox"/>	<input type="checkbox"/>
C1.1	Erosion Control Plan - Phase 1	<input type="checkbox"/>	<input type="checkbox"/>
C1.2	Erosion Control Plan - Phase 2	<input type="checkbox"/>	<input type="checkbox"/>
C1.3	Erosion Control Details	<input type="checkbox"/>	<input type="checkbox"/>
C2.0	Site Plan	<input type="checkbox"/>	<input type="checkbox"/>
C3.0	Utility Plan	<input type="checkbox"/>	<input type="checkbox"/>
C4.0	Grading Plan	<input type="checkbox"/>	<input type="checkbox"/>
C5.0	Required Vegetation Plan	<input type="checkbox"/>	<input type="checkbox"/>
C6.1	Misc. Details	<input type="checkbox"/>	<input type="checkbox"/>
C6.2	Misc. Details	<input type="checkbox"/>	<input type="checkbox"/>
C6.3	Misc. Details	<input type="checkbox"/>	<input type="checkbox"/>
REF	Survey - Harrisburg Surveying (1 sheet)	<input type="checkbox"/>	<input type="checkbox"/>
REF	Building Elevations - New City Design (2 sheets)	<input type="checkbox"/>	<input type="checkbox"/>

RALEIGH WATER INSPECTIONS QUANTITIES (SUBDIVISIONS AND SITE PLANS)			
Phase Number(s)	PHASE 1	PHASE 2	PHASE 3
Number of Lot (s)	-	-	-
Number of Units	-	-	-
Public Water (LF)	-	-	-
Public Sewer (LF)	-	-	-
Public Force Main (LF)	-	-	-
Private Sewer* (LF)	160 LF	-	-
Water Service Stubs (Quantity)	-	-	-
Sewer Service Stubs (Quantity)	-	-	-
Average Daily Flow per phase**	-	-	-
COMMERCIAL PROJECTS WITH SINGLE WATER AND SEWER SERVICE			
Fire Service (Size)	1 1/2"	-	-
Domestic Meter Size	2"	-	-
Irrigation Meter Size	1"	-	-
Average Daily Flow per phase**	1,500 GPD	-	-
*Sewer mains and manholes as part of a collection system			
**Entire Project Flow. Based on 75gpd per bedroom for residential (Apartments, single Family dwelling, townhouse, condos), or based on 15A NCAC 02T .0114 Wastewater Design Flow Rates for Commercial and Industrial.			
The meter size must match domestic service size (Exemption - 3/4" service tap with 5/8" meter)			

ATTENTION CONTRACTORS

The Contractor responsible for the extension of water, sewer, and/or gas, as approved in these plans, is responsible for contacting the Raleigh Water Inspector at 919-996-3245 or https://cityworks.raleighnc.gov/contractors and schedule a Pre-construction meeting prior to beginning any construction. Raleigh Water must be contacted at (919) 996-4540 at least twenty-four hours prior to beginning any work activity around critical water and sewer infrastructure.

Failure to notify City Departments in advance of beginning construction, will result in the issuance of monetary fines, and require re-installation of any water or sewer facilities not inspected as a result of this notification failure.

Failure to call for inspection, install a downstream plug, have permitted plans on the jobsite, or any other violation of Raleigh Water Standards will result in a fine and possible exclusion from future work in the City of Raleigh.

Engineer

Ark Consulting Group, PLLC
925-A Conference Drive
Greenville, NC 27858
(252) 558-0888

Contact: Bryan C. Fagundus, PE
bryan@arkconsultinggroup.com

Owner

Pons Family LLC
502 West Franklin Street
Chapel Hill, NC 27516

Contact: Marc Pons
pons.marc@chapelhilltire.com

Developer

Chapel Hill Tire
502 W. Franklin St.
Chapel Hill, NC 27516

Contact: Eric Dowell
ericd@chapelhilltire.com
(336) 210-2273

RALEIGH WATER	EROSION CONTROL, STORMWATER AND FLOODPLAIN MANAGEMENT
	APPROVED
	EROSION CONTROL <input checked="" type="checkbox"/> SWF-000000-2026
	STORMWATER MGMT. <input checked="" type="checkbox"/> SWF-000000-2026
	FLOOD STUDY <input type="checkbox"/>
	DATE _____
	ENVIRONMENTAL CONSULTANT SIGNATURE _____

Town of Rolesville Development Applications	
ANX 23-03	ANNEXATION
MA 21-09	REZONING
PR 21-04 REV	PRELIMINARY SUBDIVISION PLAN (REVISED)
FSP 23-09	INTERMEDIATE SUBDIVISION PLAN
PSP 24-06	PRELIMINARY SUBDIVISION PLAN (LOT 8)
FSP 25-11	FINAL PLAT (LOT 8A/8B)
SDP 25-01	SITE DEVELOPMENT PLAN (HALL OF FAME CAR WASH)
SDP 26-XX	LOT 8B SITE DEVELOPMENT PLAN (CURRENT APPLICATION)

TOWN OF ROLESVILLE	
Project Manager:	BCF
Drawn By:	DLC
Checked By:	BCF
Project Number:	26012
Drawing Number:	D-1652

- Final Drawing -
Issued for Permit
Review Purposes Only

1 | 31 MAY 26 | SUBMIT FOR PERMIT REVIEW | DATE

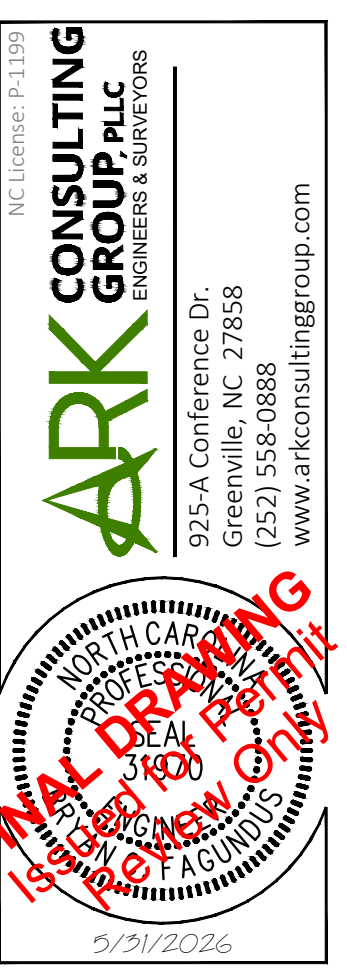


COVER

CHAPEL HILL TIRE AT WALLBROOK

Town of Rolesville Project No. SDP 26-xxxx

Wake Forest Township, Town of Rolesville, Wake County, North Carolina

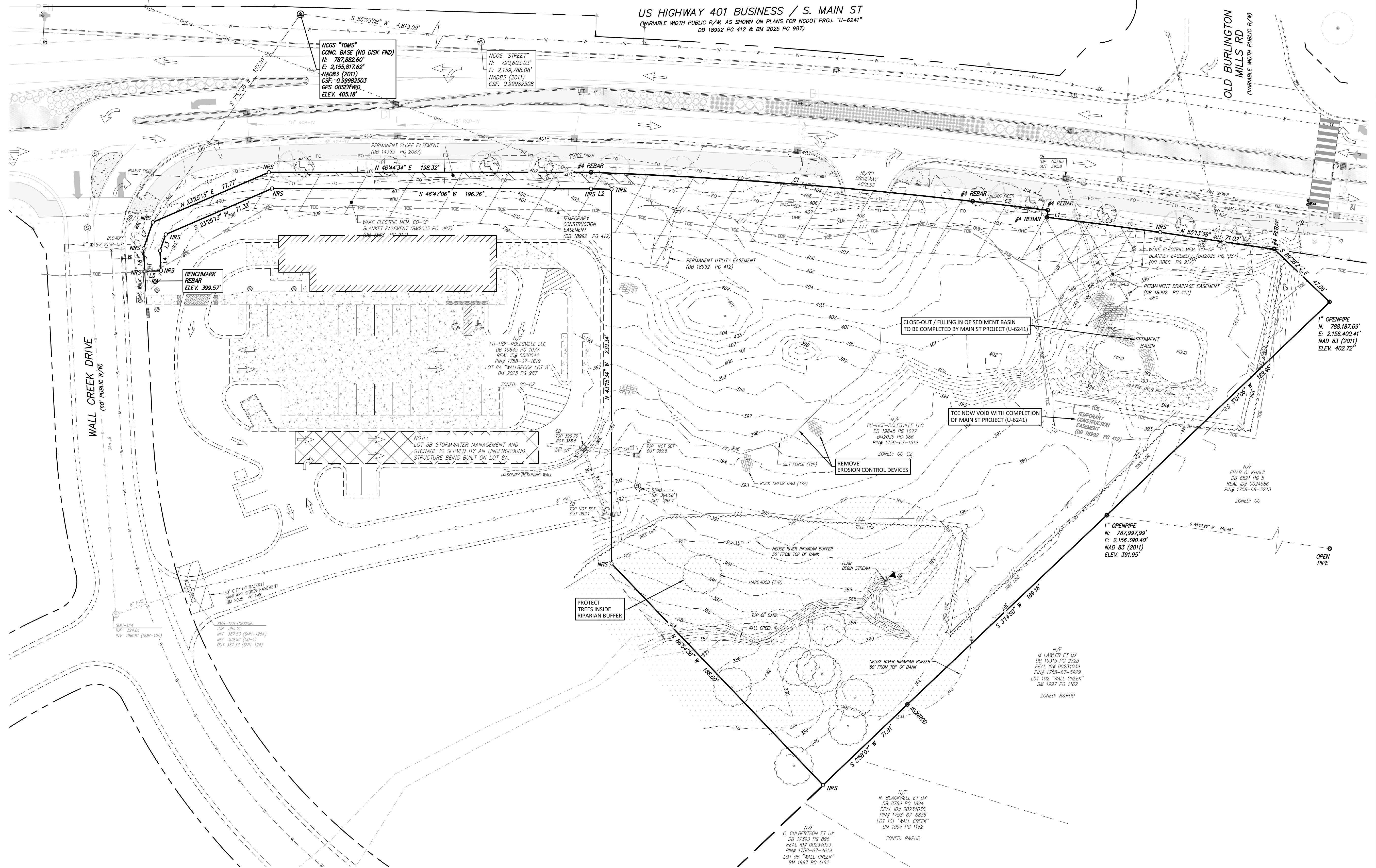


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Date: May 31, 2026

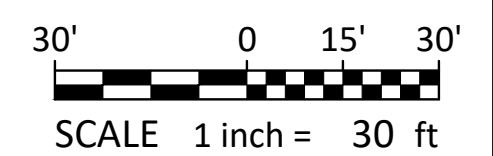
Legend

EXISTING	○ FOUND MONUMENT AS NOTED
●	SET IRON PIN
▲	NCGS MONUMENT
○	DIMENSION POINT (NOTHING SET)
---	PROPERTY BOUNDARY
---	RIGHT-OF-WAY
▨	ACCESS AND UTILITY EASEMENT
▨	BUILDING
▨	CURB & GUTTER
▨	CONCRETE
▨	ASPHALT
▨	ASPHALT (HEAVY DUTY)
X	FENCE
+	SIGN
○	TRAFFIC SIGNAL POLE
○	TRAFFIC SIGNAL BOX
○	PEDESTRIAN X-WALK POLE
---	RIPARIAN BUFFER
---	TREELINE
10	MAJOR CONTOUR (5')
9	MINOR CONTOUR (1')
○	UTILITY POLE
○	GUY WIRE
○	HAND BOX
○	LIGHT POLE
---	OVERHEAD ELECTRIC LINE
---	UNDERGROUND ELECTRIC LINE
○	ELECTRIC METER
○	ELECTRIC BOX
---	COMMUNICATIONS LINE
---	TELEPHONE LINE
---	FIBER OPTIC LINE
---	CABLE TV LINE
---	TELE/COMM PEDESTAL
---	GAS LINE
---	GAS VALVE
---	GAS METER
---	WATER LINE
---	FIRE WATER LINE
---	FIRE HYDRANT
---	WATER VALVE
---	WATER METER
---	WATER BOX
---	FIRE DEPARTMENT CONNECTION (FDC)
---	WATER MANHOLE
○	WELL
---	SANITARY SEWER GRAVITY LINE
---	SANITARY SEWER FORCE MAIN
○	SANITARY SEWER MANHOLE
---	CLEAN-OUT
---	SANITARY SEWER VALVE
---	STORM DRAIN PIPE
---	STORM DRAIN PIPE (12" & UNDER)
---	CATCH BASIN (CB)
---	DROP INLET (DI)
---	STORM DRAIN MANHOLE
---	DOWNSPOUT
---	ROOF DRAIN PIPE
---	RIP RAP
---	SILT FENCE



Demolition Notes:

- CONTRACTOR SHALL CONTACT NORTH CAROLINA ONE-CALL CENTER (NC 811) BY DIALING 811 OR 1-800-632-4949 AT LEAST 72 HOURS IN ADVANCE OF ANY LAND DISTURBING ACTIVITY OR DIGGING AND HAVE ALL UNDERGROUND UTILITIES LOCATED PRIOR TO EXCAVATING OR TRENCHING.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL LOCAL AND STATE PERMITS REQUIRED FOR DEMOLITION WORK.
- THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND/OR ENGINEER FOR ANY AND ALL INJURIES AND/OR DAMAGES TO PERSONNEL, EQUIPMENT AND/OR EXISTING FACILITIES IN THE DEMOLITION AND CONSTRUCTION DESCRIBED IN THE PLANS AND SPECIFICATIONS.
- EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL AND ILLUSTRATIVE IN NATURE AND DO NOT INCLUDE MECHANICAL, ELECTRICAL AND MISCELLANEOUS STRUCTURES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING ON THE DEMOLITION WORK FOR THIS PROJECT. IF CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT THAN THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
- ALL DEMOLITION WASTE AND DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF IN A STATE APPROVED WASTE SITE AND IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
- THE BURNING OF CLEARED MATERIAL AND DEBRIS SHALL NOT BE ALLOWED UNLESS CONTRACTOR GETS WRITTEN AUTHORIZATION FROM THE LOCAL AUTHORITIES.
- ASBESTOS OR HAZARDOUS MATERIALS, IF FOUND ON SITE, SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIALS CONTRACTOR. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY IF HAZARDOUS MATERIALS ARE ENCOUNTERED.
- 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 ADHERE TO ALL LOCAL, STATE, FEDERAL, AND OSHA REGULATIONS WHEN OPERATING DEMOLITION EQUIPMENT AROUND UTILITIES.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE NCDOT STANDARDS, 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 THE LOCAL AND/OR STATE AGENCIES REGARDING THE NEED, EXTENT, AND LIMITATIONS ASSOCIATED WITH INSTALLING AND MAINTAINING TRAFFIC CONTROL MEASURES.
- CONTRACTOR SHALL PROTECT AT ALL TIMES ADJACENT STRUCTURES AND ITEMS FROM DAMAGE DUE TO DEMOLITION OR CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL REMOVE EXISTING VEGETATION AND IMPROVEMENTS WITHIN LIMITS OF DISTURBANCE UNLESS NOTED OTHERWISE.
- TREES OUTSIDE OF CONSTRUCTION LIMITS OR TREES NOT INDICATED TO BE REMOVED SHALL BE PROTECTED.



- Final Drawing -
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REVISIONS:



EXISTING CONDITIONS & DEMOLITION PLAN
CHAPEL HILL TIRE AT WALLBROOK

Town of Rolesville Project No. SDP 26-xxxx

Wake Forest Township, Town of Rolesville, Wake County, North Carolina

NC License # P1139
ARK CONSULTING GROUP PLLC
 ENGINEERS & SURVEYORS
 925-A Conference Dr.
 Raleigh, NC 27603
 (754) 558-8888
 www.arkconsultinggroup.com



Project Manager:	BCF
Drawn By:	DLC
Checked By:	BCF
Project Number:	26012
Drawing Number:	D-1652

C0.2

Date: May 31, 2026

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

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 -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
(d) Slopes 3:1 to 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
(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
<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 Rolled erosion control products with grass seed

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*.
- Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
- Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
- Provide ponding area for containment of treated Stormwater before discharging off-site.
- 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

- Never bury or burn waste. Place litter and debris in approved waste containers.
- 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.
- 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.
- On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

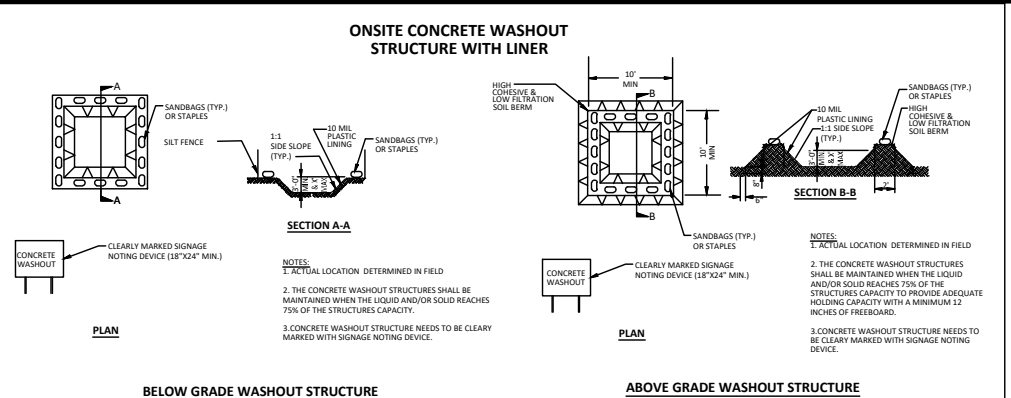
- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, 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 solid waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHER 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.
- 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.
- Install temporary concrete washouts per local requirements, where applicable. 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.
- 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.



Effective September 1, 2008
Soil stockpiles shall be located on the approved plan and shall adhere to the following requirements:

- Design Criteria**
- A 25-foot temporary maintenance and access easement shall be shown around all proposed stockpiles (erosion control measures surrounding the stockpile shall be shown at the outer limit of this easement).
 - Stockpile footprints shall be setback a minimum of 25' from adjacent property lines.
 - A note shall be provided on the approved plan that stockpile height shall not exceed 15 feet.
 - Stockpile slopes shall be 2:1 or flatter.
 - Approved BMPs shall be shown on a plan to control any potential sediment loss from a stockpile.
 - Stockpiling materials adjacent to a ditch, drainage, watercourse, wetland, stream buffer, or other body of water shall be avoided unless an alternative location is demonstrated to be unworkable.
 - Any concentrated flow likely to affect the stockpile shall be diverted to an approved BMP.
 - Off-site spill or borrow areas must be in compliance with Wake County UDO and State Regulations. All spill areas over an acre are required to have an approved sediment control plan. Developer/Contractor shall notify Wake County of any off-site disposal of soil, prior to disposal. Fill of FEMA Floodways and Non-encroachment Areas are prohibited except as otherwise provided by subsection 14-19.2 of the Wake County Unified Development Ordinance (certification and permits required).

- Maintenance Requirements to be Met on the Plan**
- Seeding or covering stockpiles with tarp or mulch is required and will reduce erosion problems. Tarp should be kept in at the top of the slope to keep water from running underneath the plastic.
 - If a stockpile is to remain for future use after the project is complete (builders, etc.), the financial responsible party must notify Wake County of a new responsible party for that stockpile.
 - The approved plan shall provide for the use of staged seeding and mulching on a continual basis while the stockpile is in use.
 - Establish and maintain a vegetative buffer at the toe of the slope (where practical).

Seeding Specifications

NPDES Stormwater Discharge Permit for Construction Activities (NCG01-4/1/19)
NCEQ/Division of Energy, Mineral and Land Resources

Soil Type	Seed Rate (lbs/acre)	Mulch Rate (lbs/acre)	Notes
1. Fine sand	10	10	
2. Medium sand	10	10	
3. Coarse sand	10	10	
4. Silty sand	10	10	
5. Silty clay	10	10	
6. Clay	10	10	
7. Organic	10	10	
8. Rock	10	10	

Seedbed Preparation:

- Chisel compacted areas and spread topsoil three inches deep over adverse soil conditions, if available.
- Rip the entire area to six inches deep.
- Remove all loose rock, roots and other obstructions, leaving surface reasonably smooth and uniform.
- Apply agricultural lime, fertilizer and superphosphate uniformly and mix with soil (see mixture below).
- Continue tillage until a well-pulverized, firm, reasonably uniform seedbed is prepared four to six inches deep.
- Seed on a freshly prepared seedbed and cover seed lightly with seeding equipment or cultipack after seeding.
- Mulch immediately after seeding and anchor mulch.
- Inspect all seeded areas and make necessary repairs or reseedings within the planting season, if possible. If stand should be more than 60% damaged, re-establish following the original lime, fertilizer and seeding rates.
- Consult Wake County Soil & Water or NC State Cooperative Extension on maintenance treatment and fertilization after permanent cover is established.

Mixture

Agricultural Limestone	2 tons/acre (3 tons/acre in clay soils)
Fertilizer	1,000 lbs/acre - 10-10-10
Superphosphate	500 lbs/acre - 20% analysis
Mulch	2 tons/acre - small grain straw
Anchor	Asphalt emulsion at 400 gals/acre

Seeding Schedule

For Shoulders, Side Ditches, Slopes (Max 3:1)

Date	Type	Planting Rate
Aug 15- Nov 1	Tall Fescue	300 lbs/acre
Nov 1- Mar 1	Tall Fescue & Abruzzi Rye	300 lbs/acre
Mar 1- Apr 15	Tall Fescue	300 lbs/acre
Apr 15- Jun 30	Hulled Common Bermudagrass	25 lbs/acre
Jul 1- Aug 15	Tall Fescue AND Bromtop Millet or Sorghum-Sudan Hybrids***	125 lbs/acre (Tall Fescue), 35 lbs/acre (Bromtop Millet); 30 lbs/acre (Sorghum-Sudan Hybrids)

For Shoulders, Side Ditches, Slopes (3:1 to 2:1):

Date	Type	Planting Rate
Mar 1- Jun 1	Severca Lespedeza (scarified) and use the following combinations:	50 lbs/acre (Severca Lespedeza);
Mar 1- Apr 15	Add Tall Fescue	120 lbs/acre
Mar 1- Jun 30	Or add Weeping Love grass	10 lbs/acre
Mar 1- Jun 30	Or add Hulled Common Bermudagrass	25 lbs/acre
Jun 1- Sept 1	Tall Fescue AND Bromtop Millet or Sorghum-Sudan Hybrids***	120 lbs/acre (Tall Fescue), 35 lbs/acre (Bromtop Millet); 30 lbs/acre (Sorghum-Sudan Hybrids)
Sept 1- Mar 1	Severca Lespedeza (unhulled - scarified) AND Tall Fescue	70 lbs/acre (Severca Lespedeza); 120 lbs/acre (Tall Fescue)
Nov 1- Mar 1	AND Abruzzi Rye	25 lbs/acre

Consult Wake County Soil & Water Conservation District or NC State Cooperative Extension for additional information concerning other alternatives for seeding of denuded areas. The above vegetation rates are those that do well under local conditions; other seeding rate combinations are possible.

*** TEMPORARY: Reseed according to optimum season for desired permanent vegetation. Do not allow temporary cover to grow more than 12" in height before mowing; otherwise, fescue may be shaded out.

NGC01 GROUND STABILIZATION AND MATERIALS HANDLING

EFFECTIVE: 04/01/19

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 to which it is safe to perform the inspection. In addition, when a storm event of equal 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 or 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 as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&S&C Measures	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the measures inspected. 2. Date and time of the inspection. 3. Name of the person performing the inspection. 4. Description of whether the measures are installed properly. 5. Description of maintenance needs for the measure. 6. 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	1. Identification of the discharge outfalls inspected. 2. Date and time of the inspection. 3. Name of the person performing the inspection. 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration. 5. Indication of visible sediment leaving the site. 6. 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: 1. Actions taken to clean up or stabilize the sediment that has left the site limits. 2. Description, evidence, and date of corrective actions taken, and 3. 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(c)(1) of this permit.
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading/installation of perimeter E&S&C measures, clearing and grubbing, installation of storm drainage facilities, completion of all land disturbing activity, construction or redevelopment, permanent ground cover). 2. 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.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. E&S&C Plan Documentation
The approved E&S&C plan as well as any approved deviation shall be kept on the site. The approved E&S&C plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&S&C 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&S&C Measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&S&C Plan.	Initial and date each E&S&C Measure on a copy of the approved E&S&C Plan or complete, date and sign an inspection report that lists each E&S&C measure shown on the approved E&S&C Plan. This documentation is required upon the initial installation of the E&S&C measures or if the E&S&C measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&S&C 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&S&C Plan.	Initial and date a copy of the approved E&S&C plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&S&C Measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&S&C measures.	Initial and date a copy of the approved E&S&C Plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

2. Additional Documentation
In addition to the E&S&C 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:

- This General Permit as well as the Certificate of Coverage, after it is received.
- 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 of 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-NIO 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 III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING

- 1. Occurrences that Must be Reported**
Permittees shall report the following occurrences:
- Visible sediment deposition in a stream or wetland.
 - 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).
 - Releases of hazardous substances in excess of reportable quantities under CERCLA of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of Section 311 (Ref: 40 CFR 302.4) or G.S. 143-215.85.
 - Anticipated bypasses and unanticipated bypasses.
 - 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 substance 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(j)(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 the recurrence 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.

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 structure 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 withdrawal basins from sediment basins shall be allowed only when all of the following criteria have been met:

- The E&S&C 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&S&C plan authority has approved these items.
- The non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, Item 2(c)(2) and (d) of this permit.
- 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, wet tanks, and filtration systems.
- Vegetated, upland areas of the sites are a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in item (c) above, and
- 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 water of the United States.

NON-UNIFORM BELOW CALL BEFORE YOU DIG! 1-800-552-4949 WWW.NC811.ORG

NGC01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

EFFECTIVE: 04/01/19

-Final Drawing - Issued for Permit Review Purposes Only

EROSION CONTROL NOTES

CHAPEL HILL TIRE AT WALLBROOK

Town of Rolesville Project No. SDP 26-xxxx

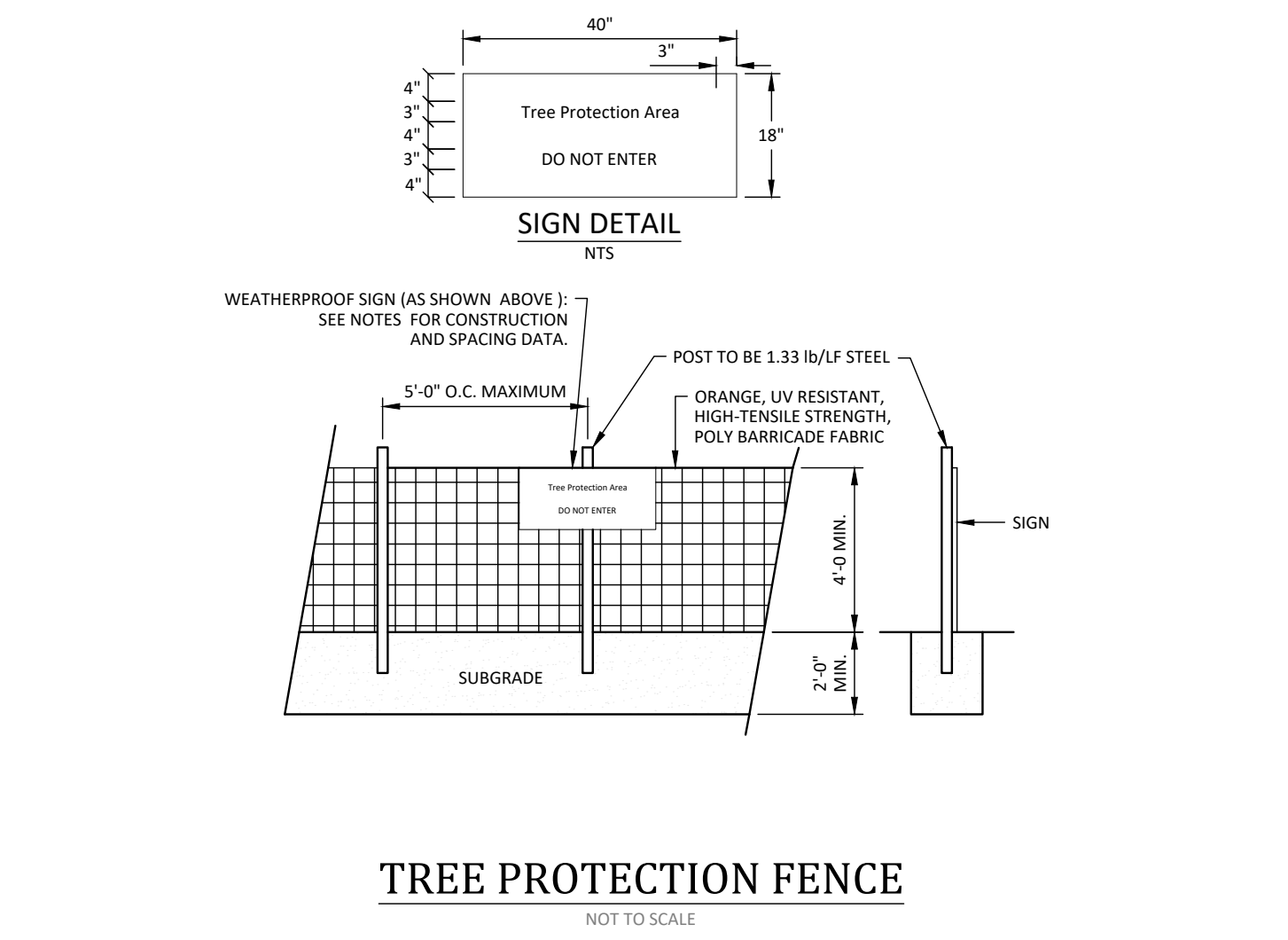
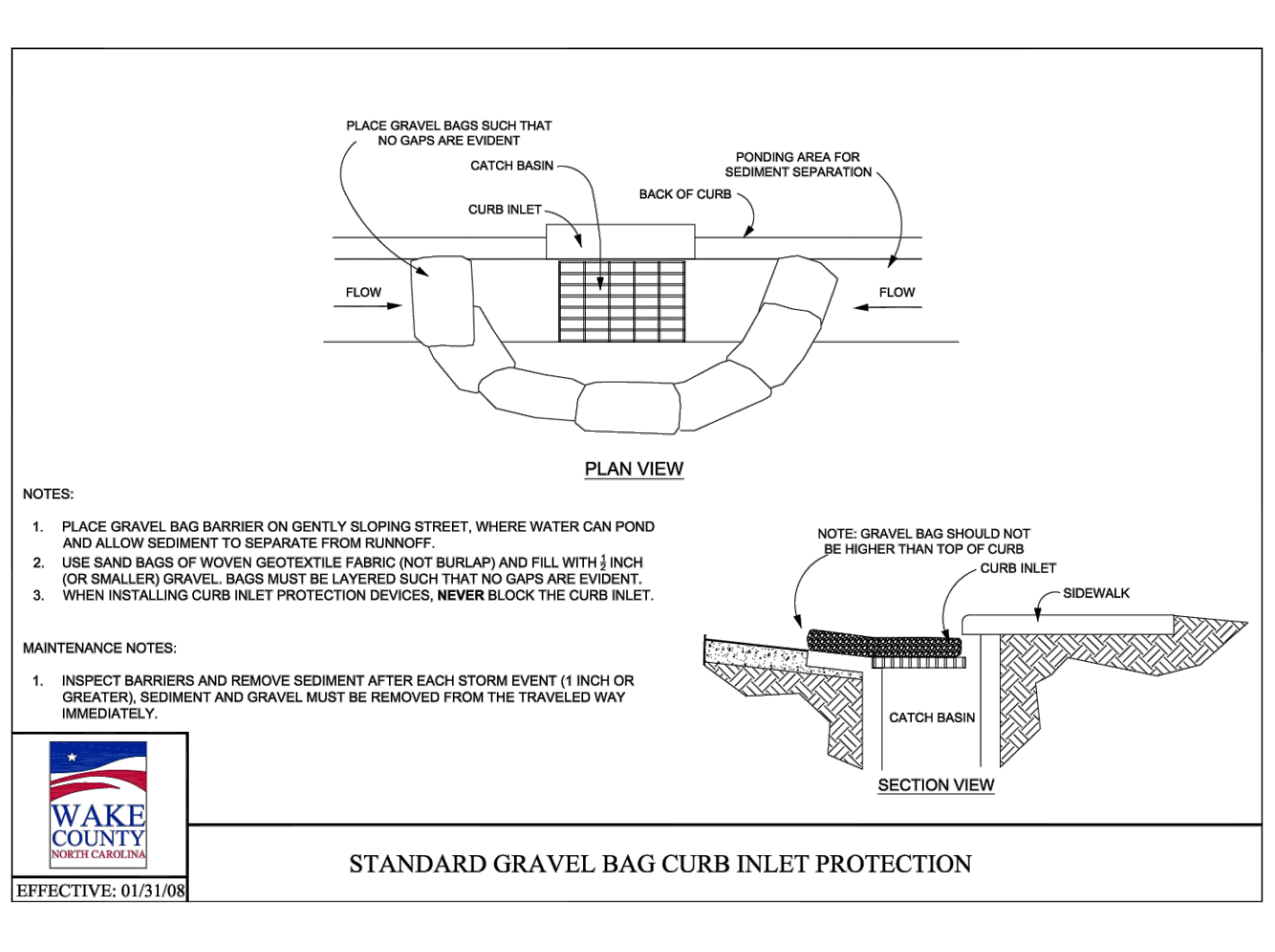
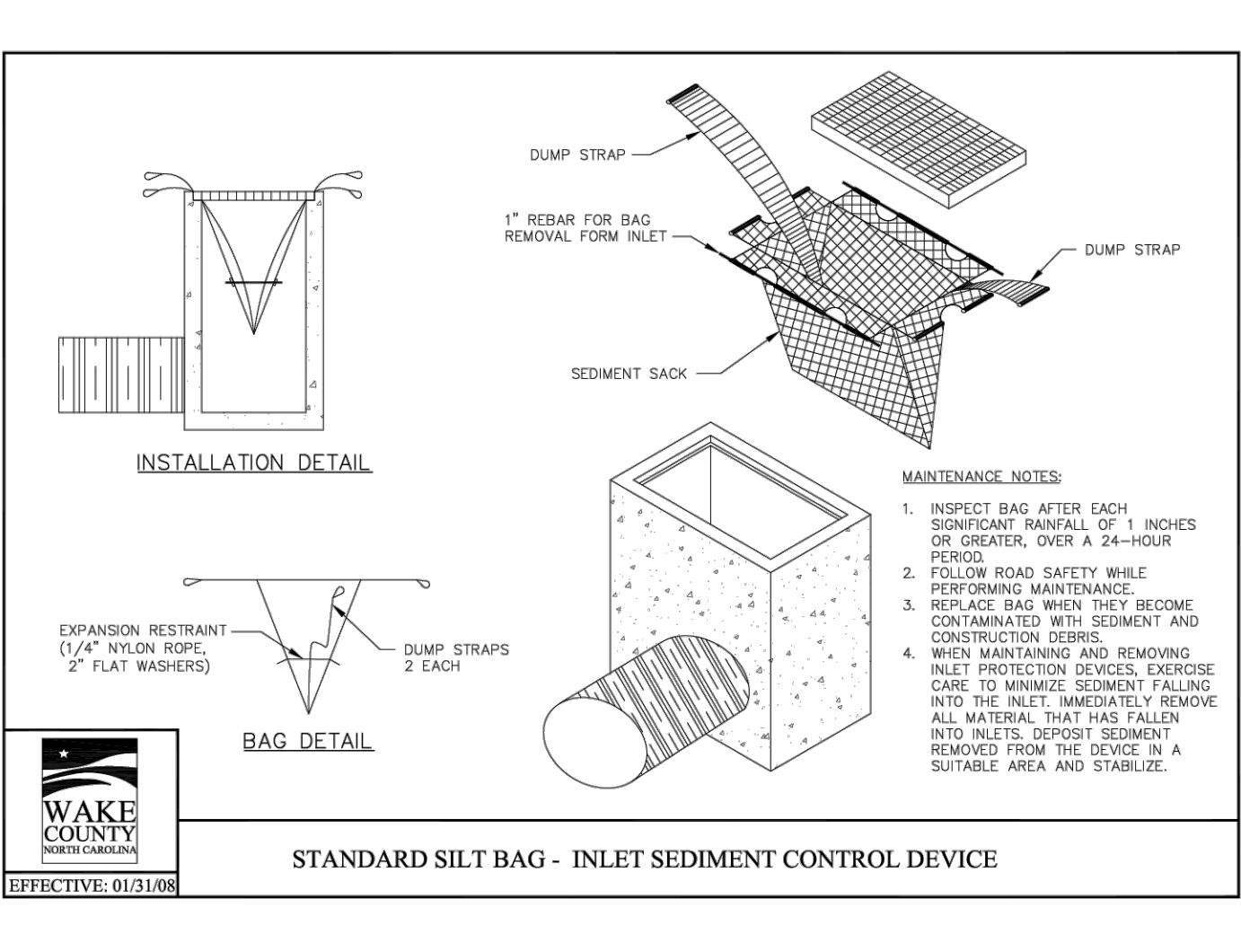
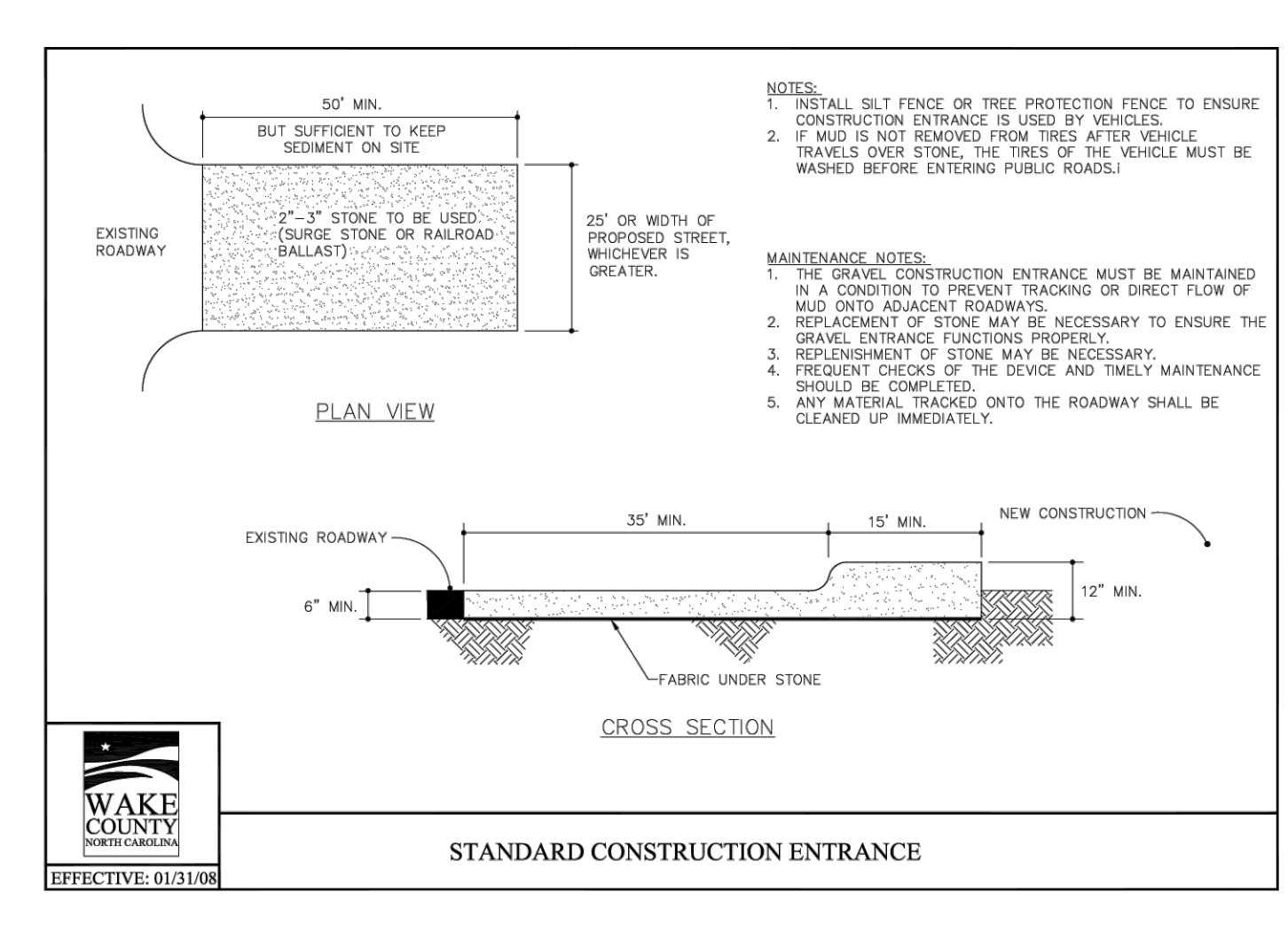
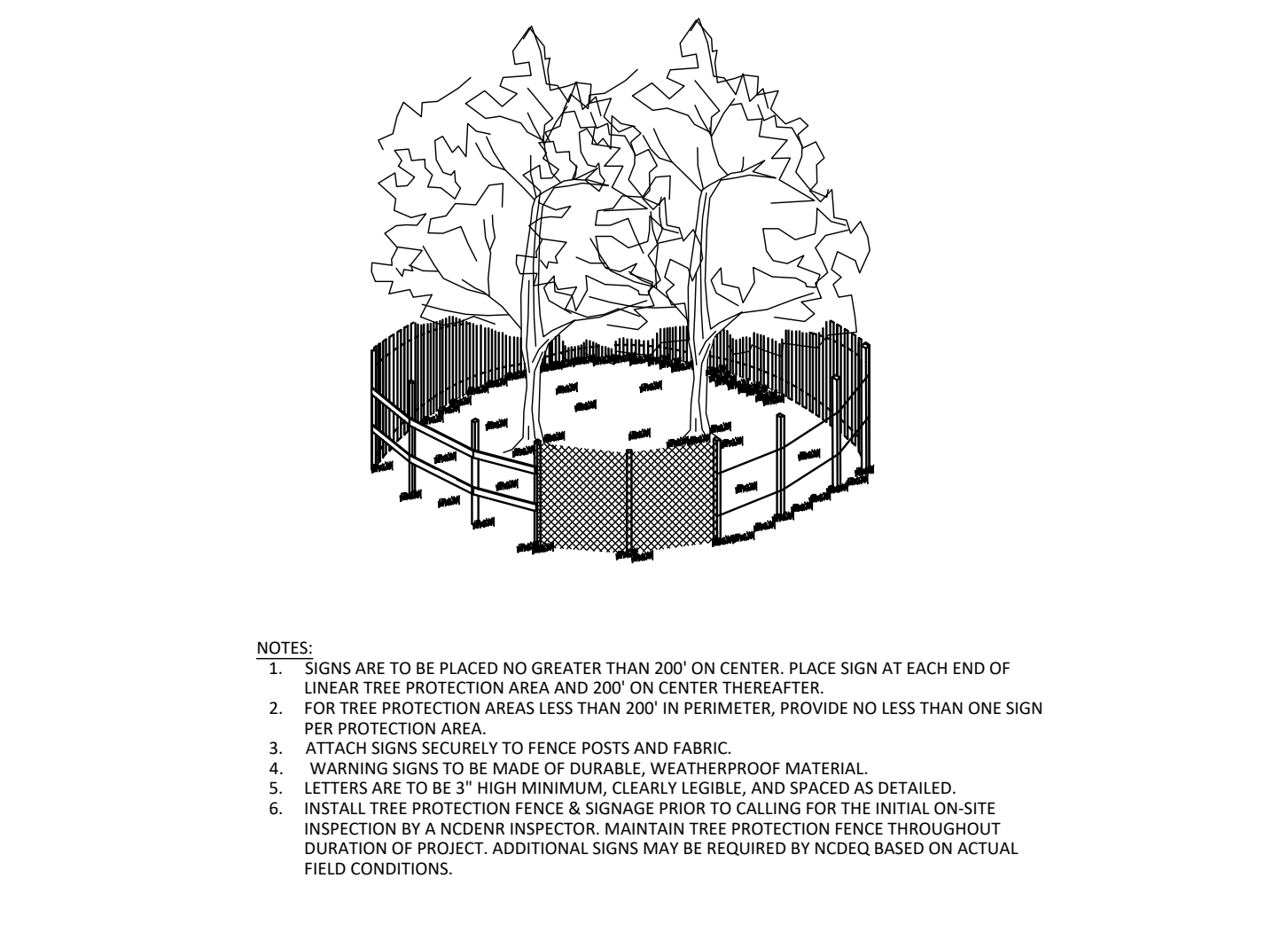
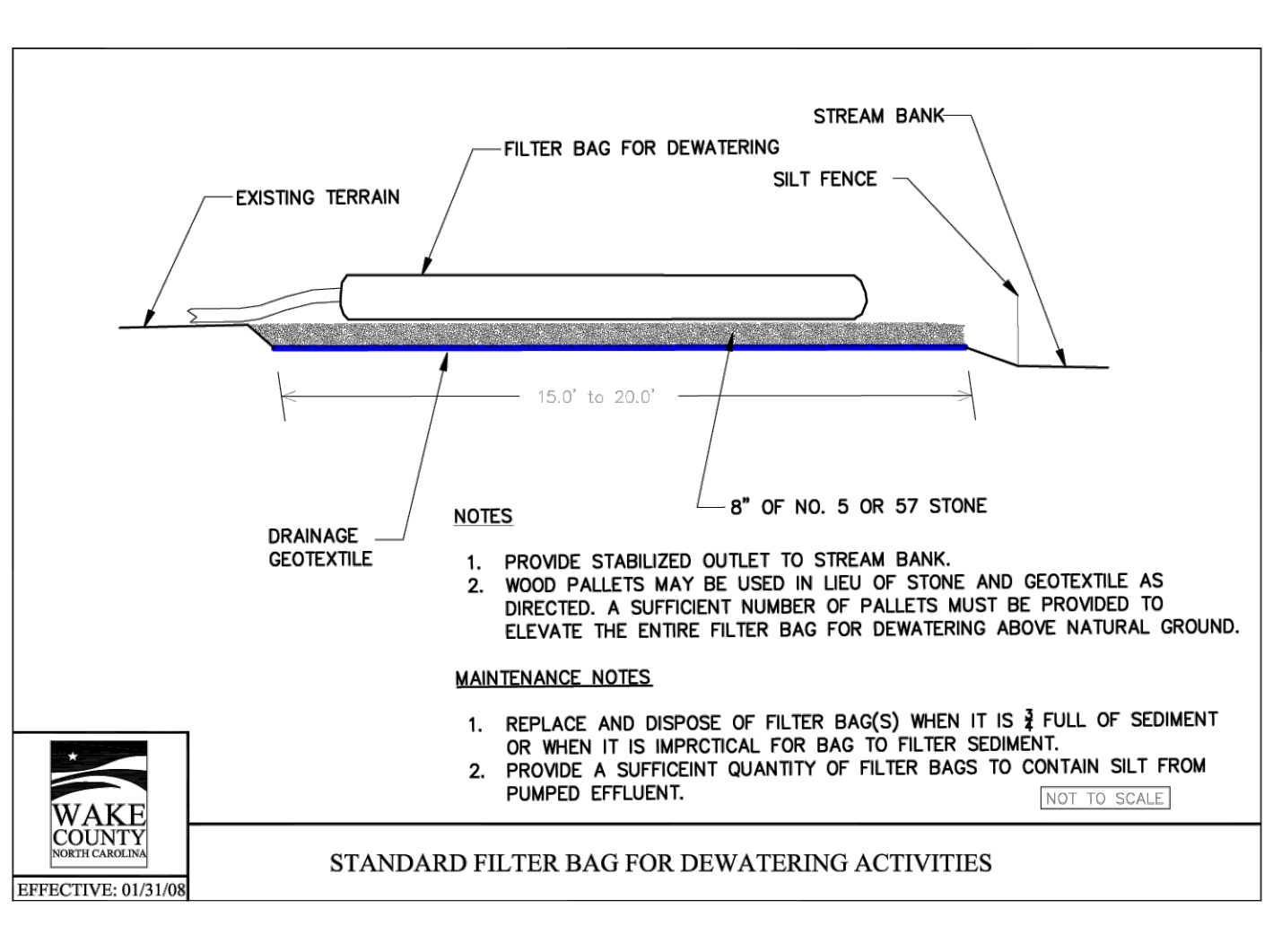
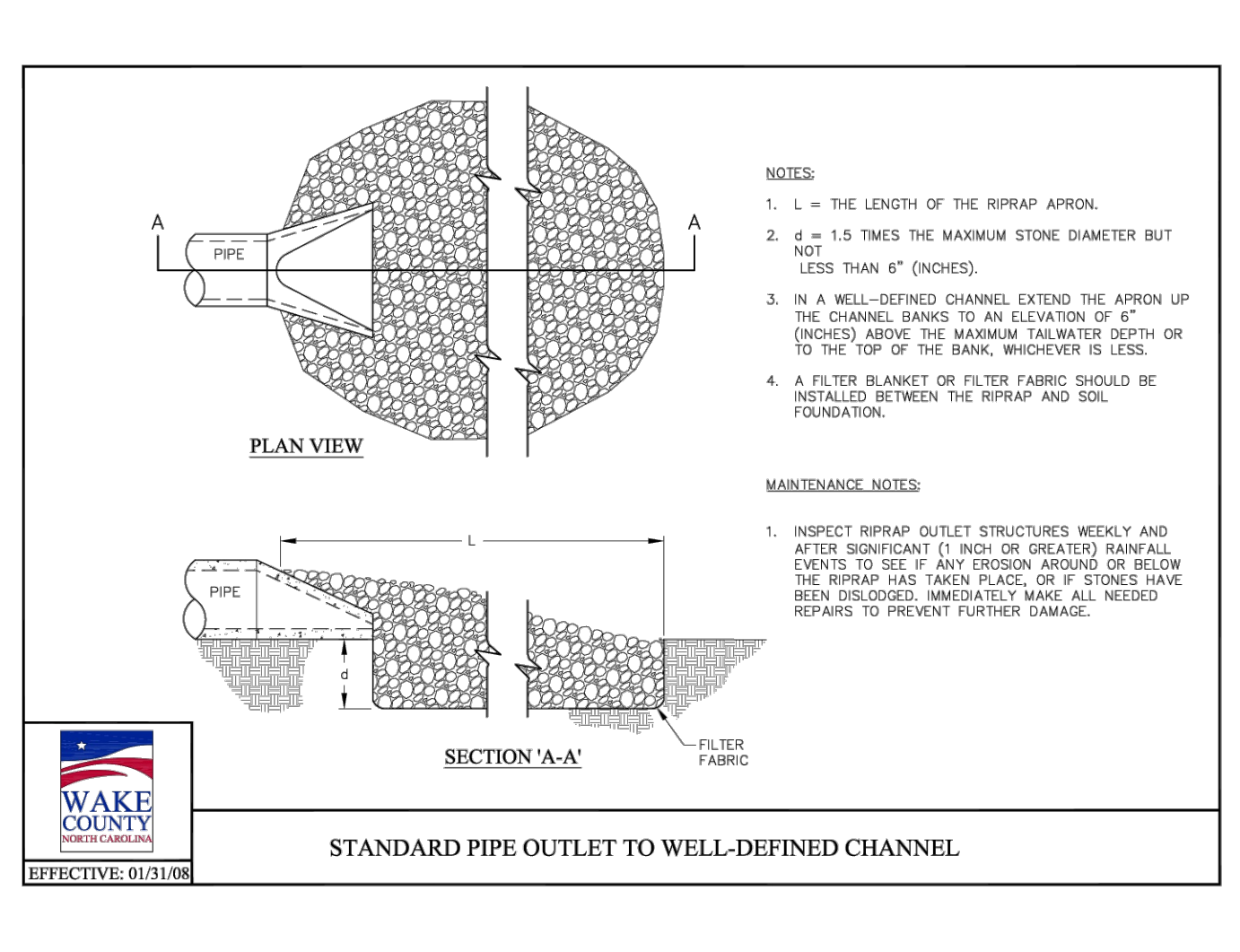
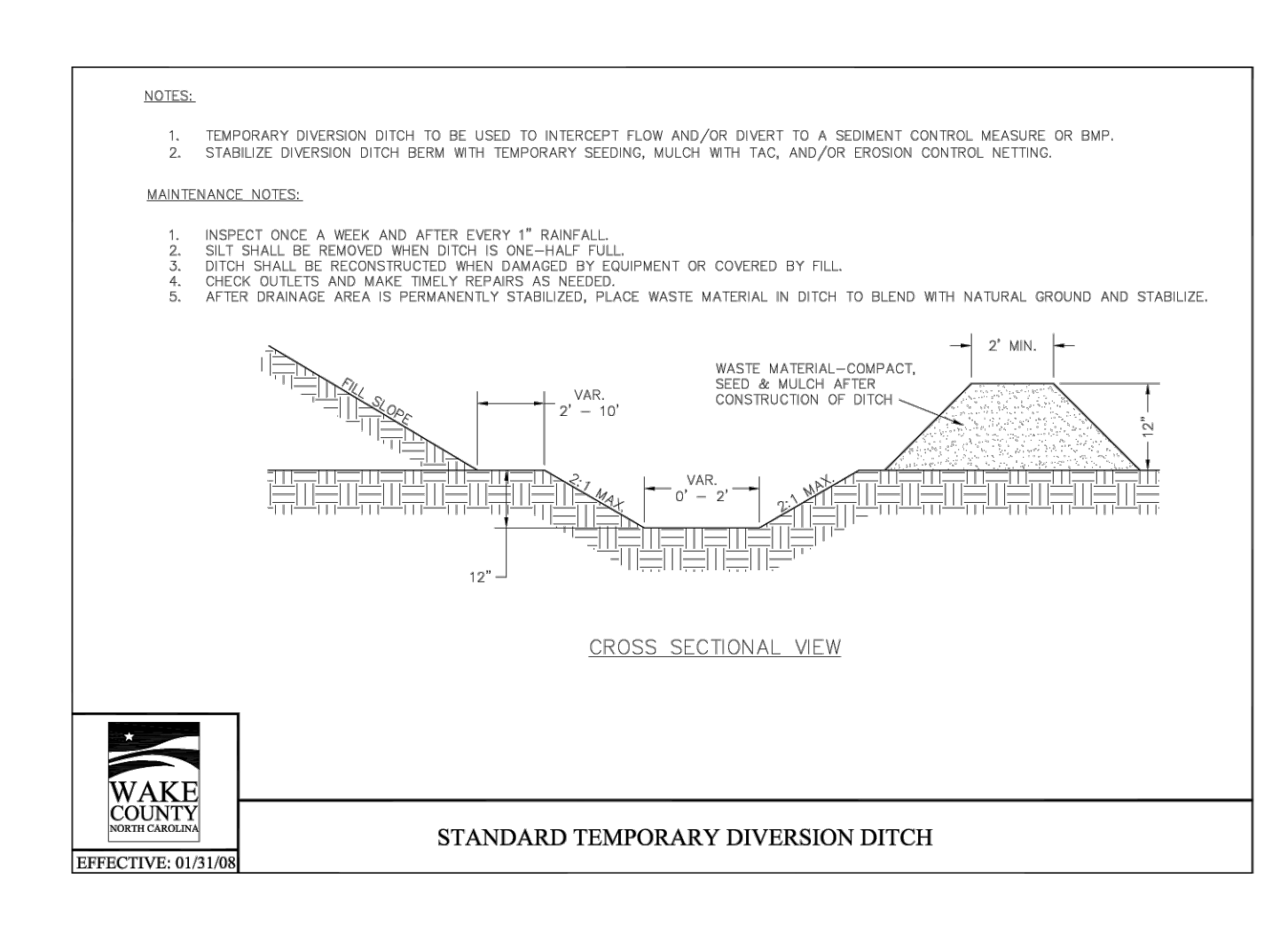
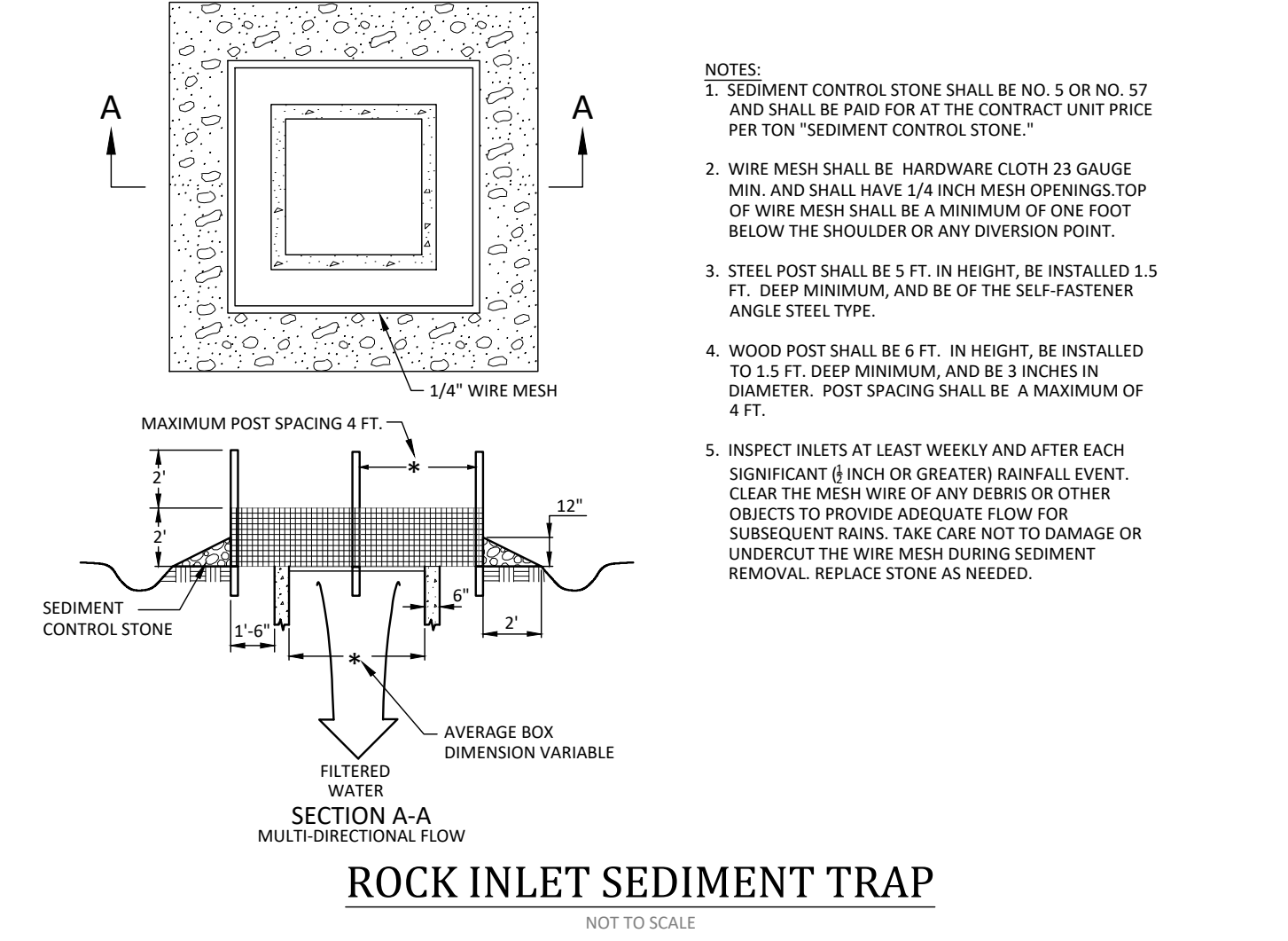
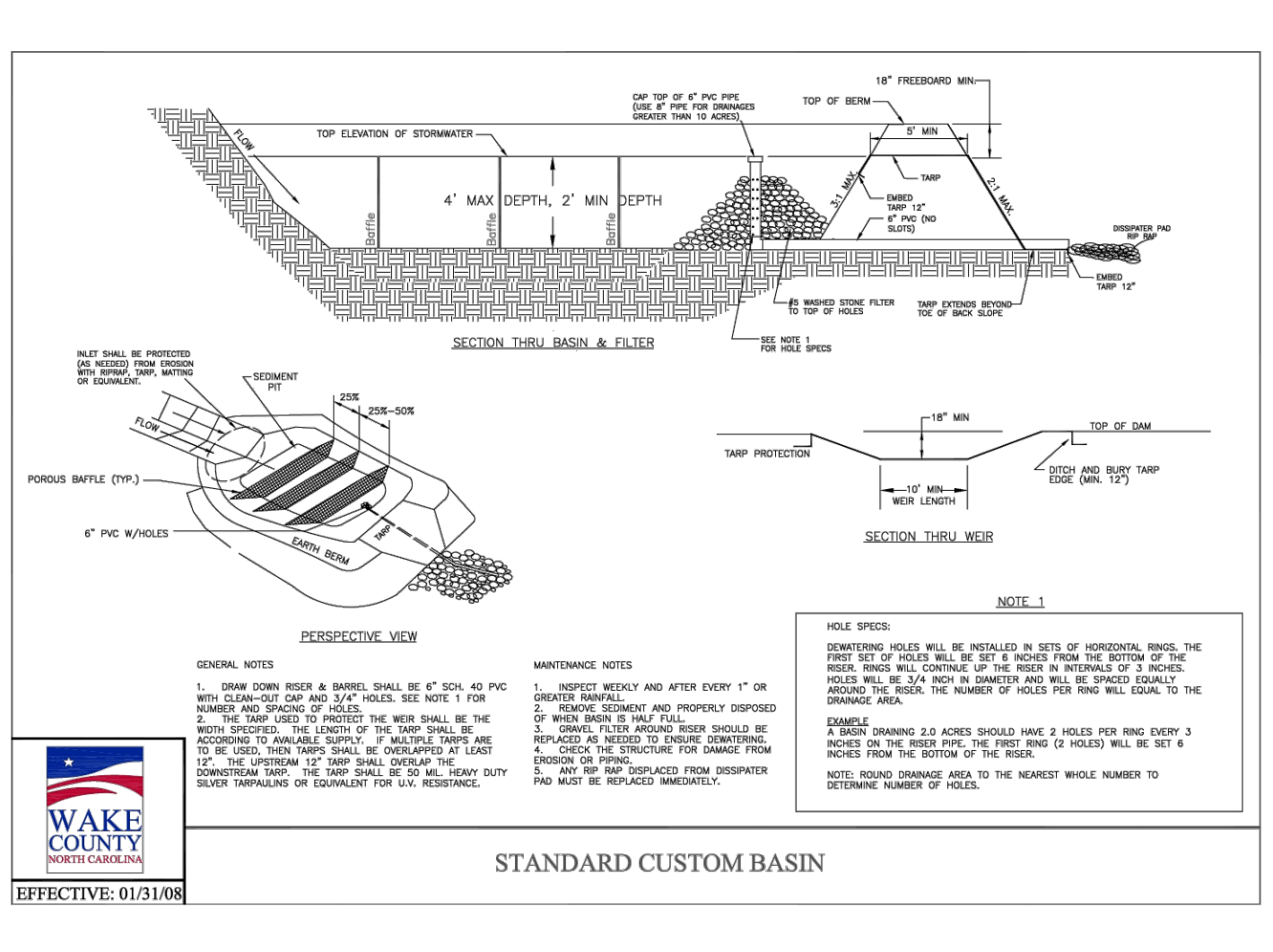
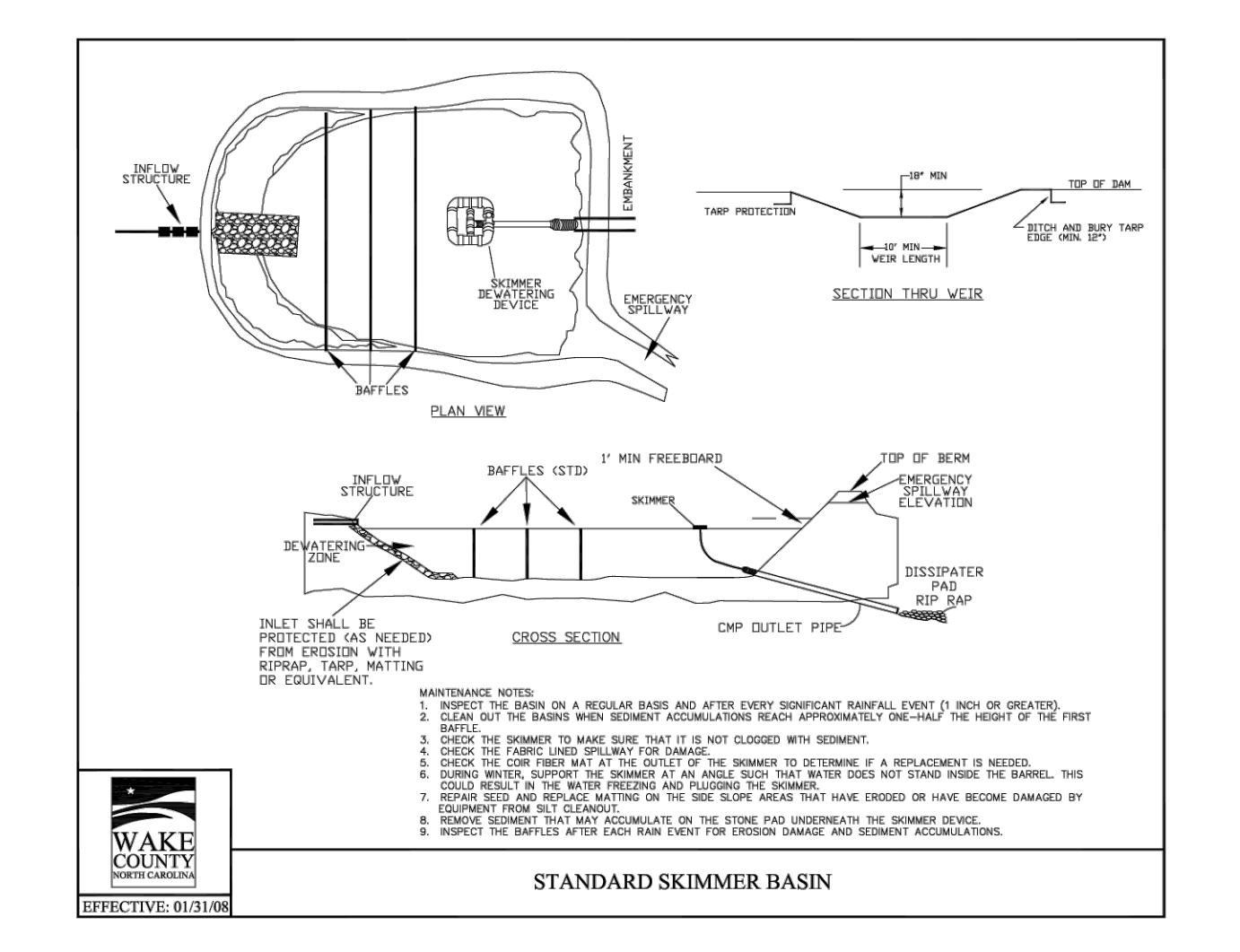
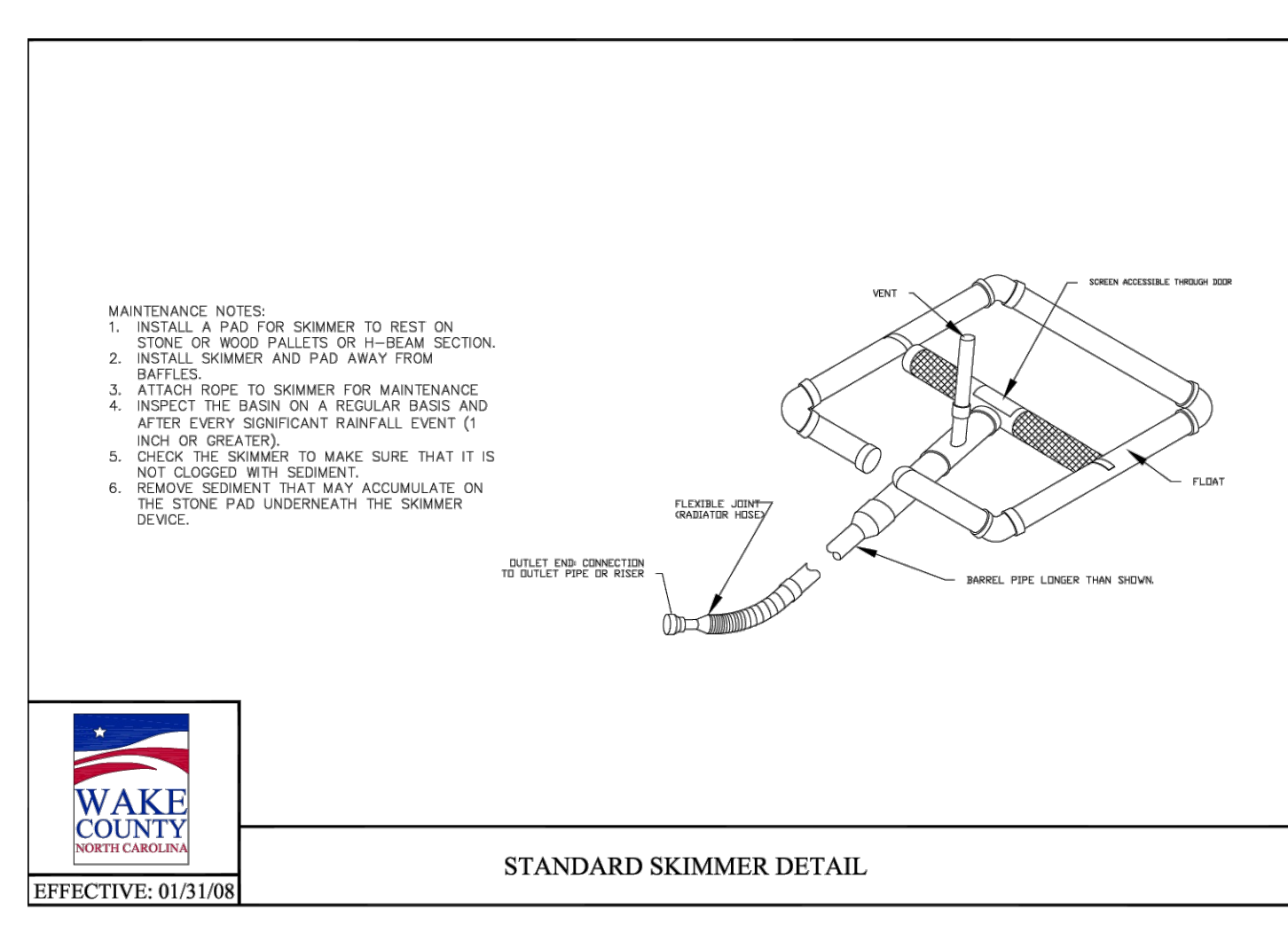
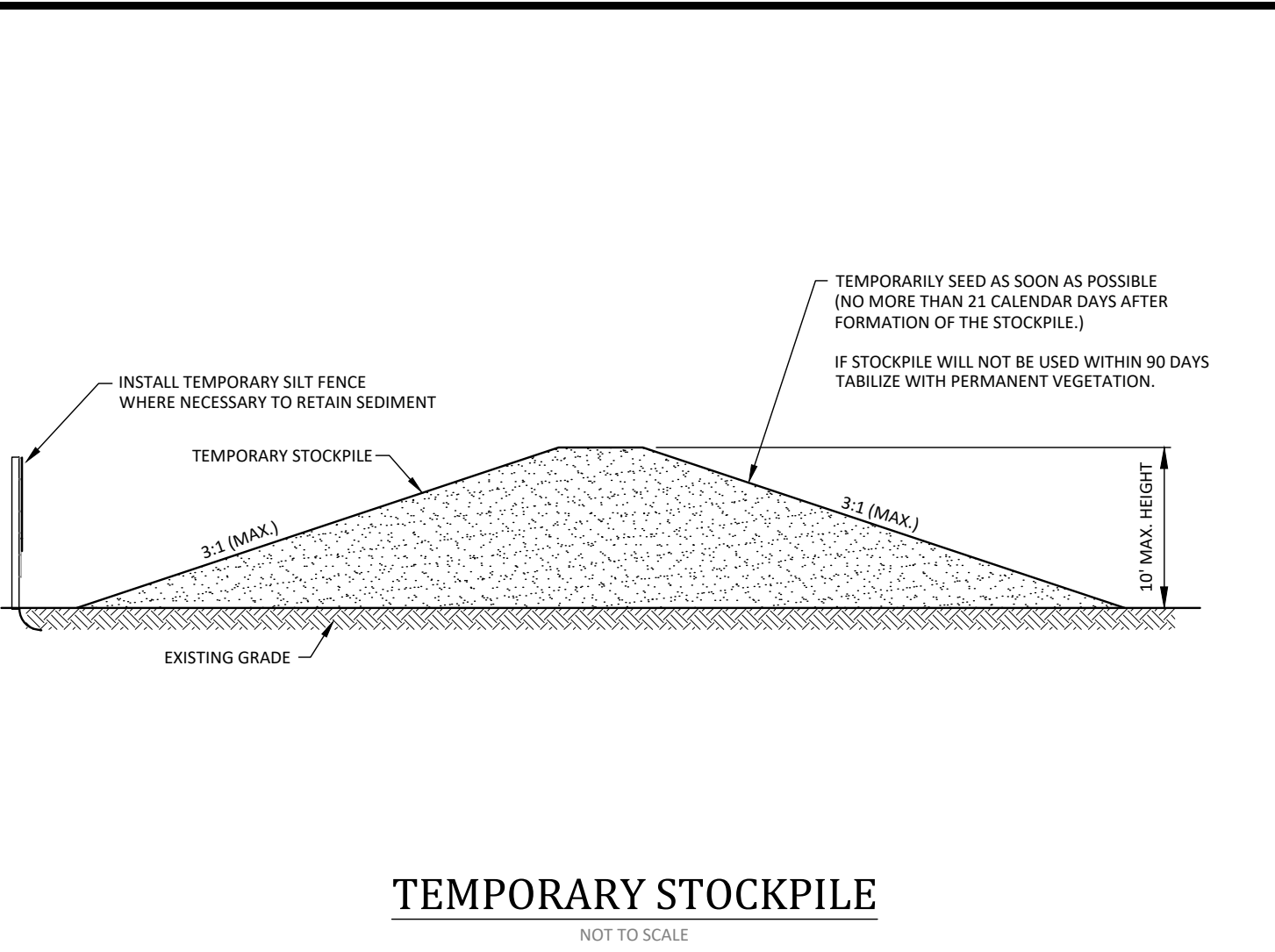
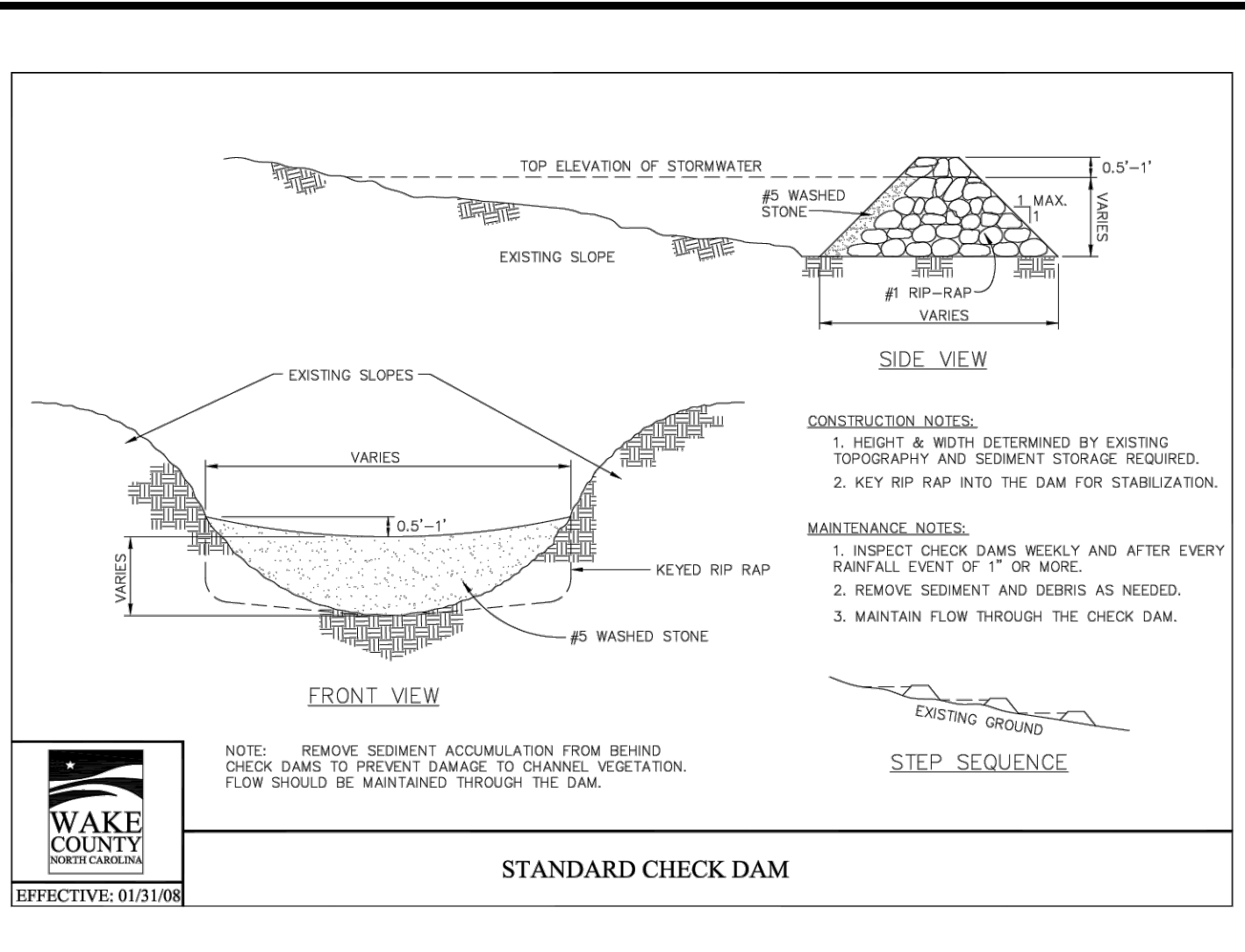
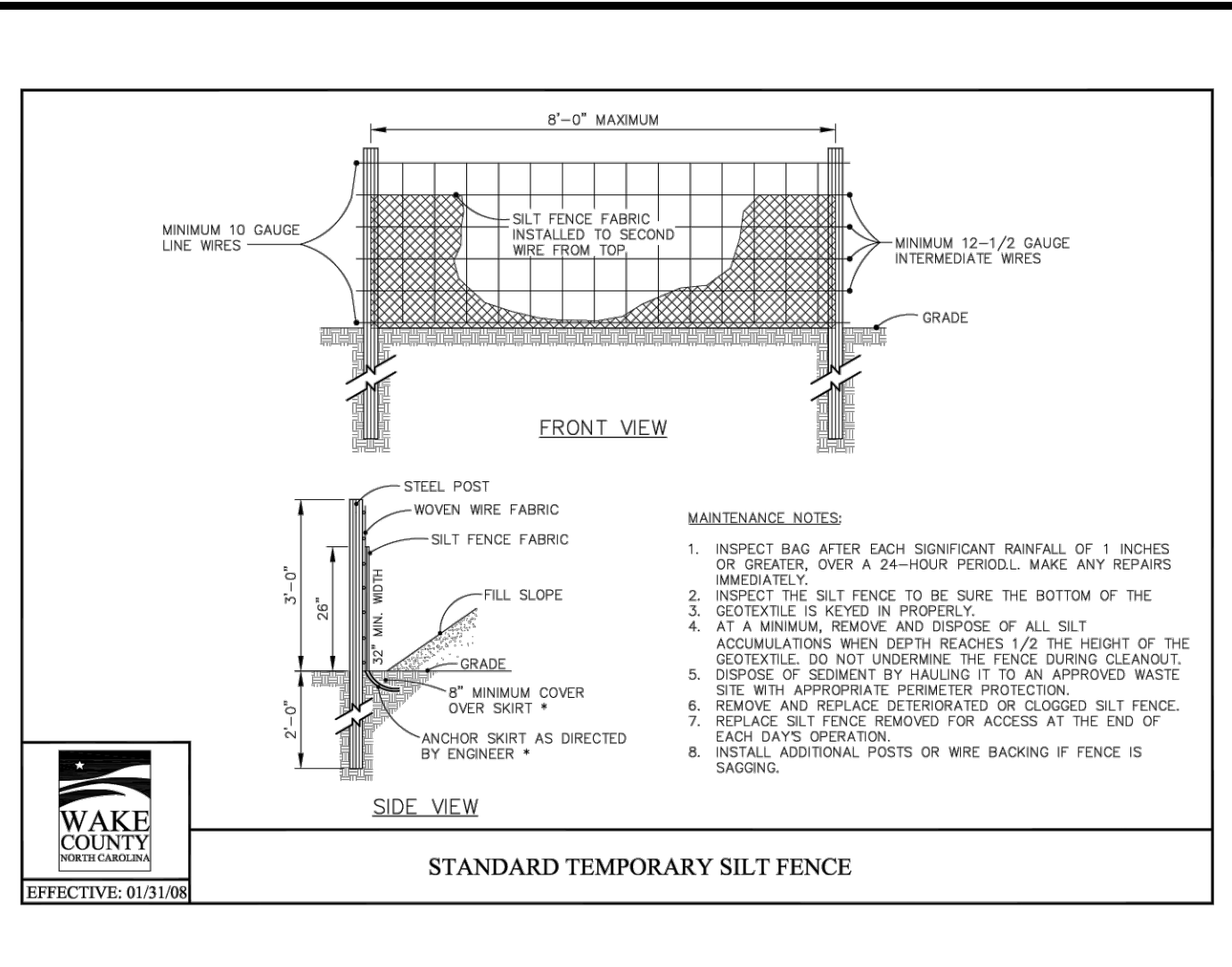
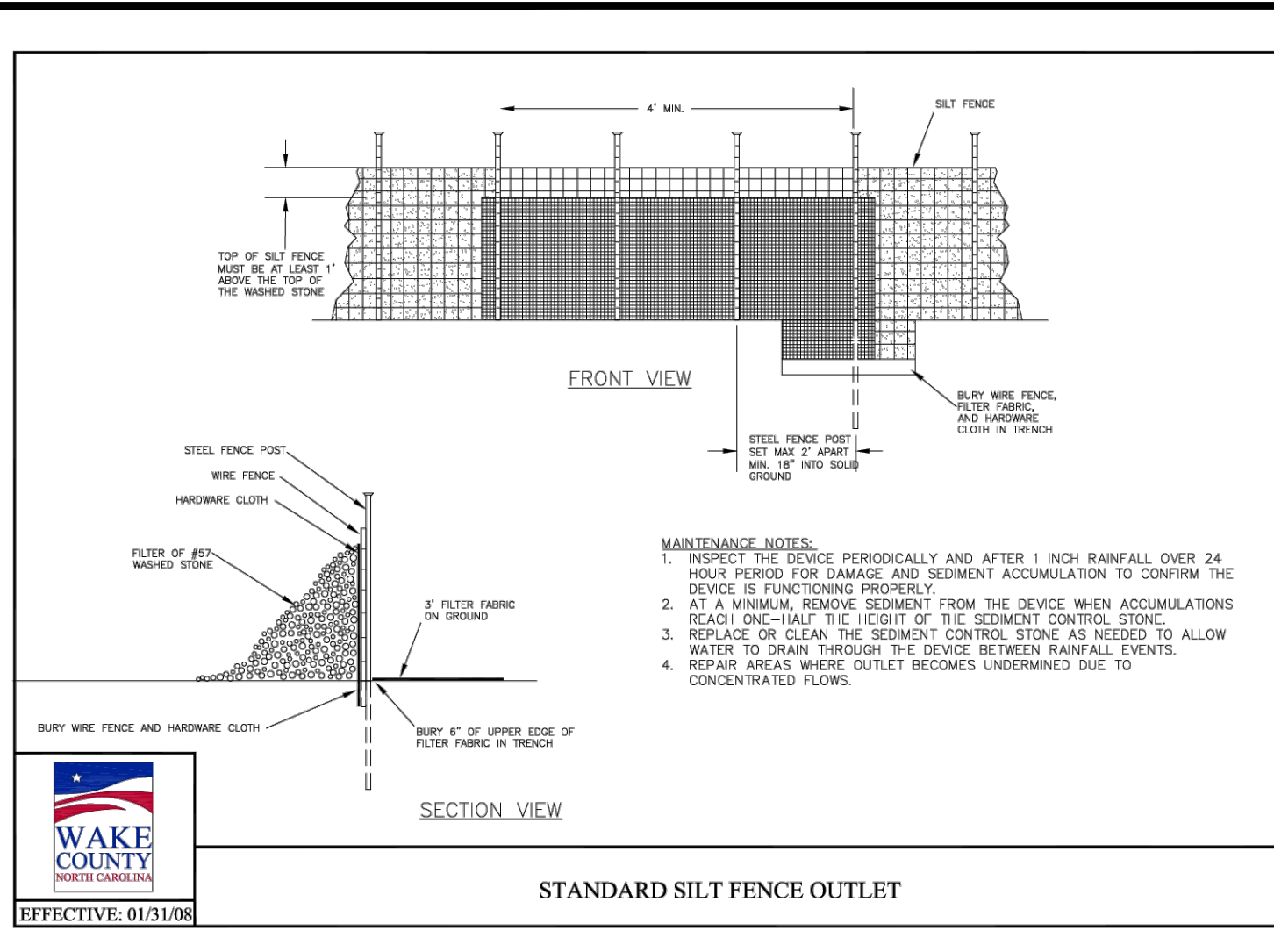
Wake Forest Township, Town of Rolesville, Wake County, North Carolina

ARK CONSULTING GROUP, PLLC
ENGINEERS & SURVEYORS
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Raleigh, NC 27606
(757) 558-0888
www.arkconsultinggroup.com

MAXI-TIRE
1800-545-5455
www.maxi-tire.com

Project Manager: BCF
Drawn By: DLC
Checked By: BCF
Project Number: 26012
Drawing Number: D-1652

C1.0



- Final Drawing - Issued for Permit Review Purposes Only

REVISIONS:

CHAPEL HILL TIRE CAR CARE

EROSION CONTROL DETAILS

CHAPEL HILL TIRE AT WALLBROOK

Town of Rolesville Project No. SDP 26-xxxx

Wake Forest Township, Town of Rolesville, Wake County, North Carolina

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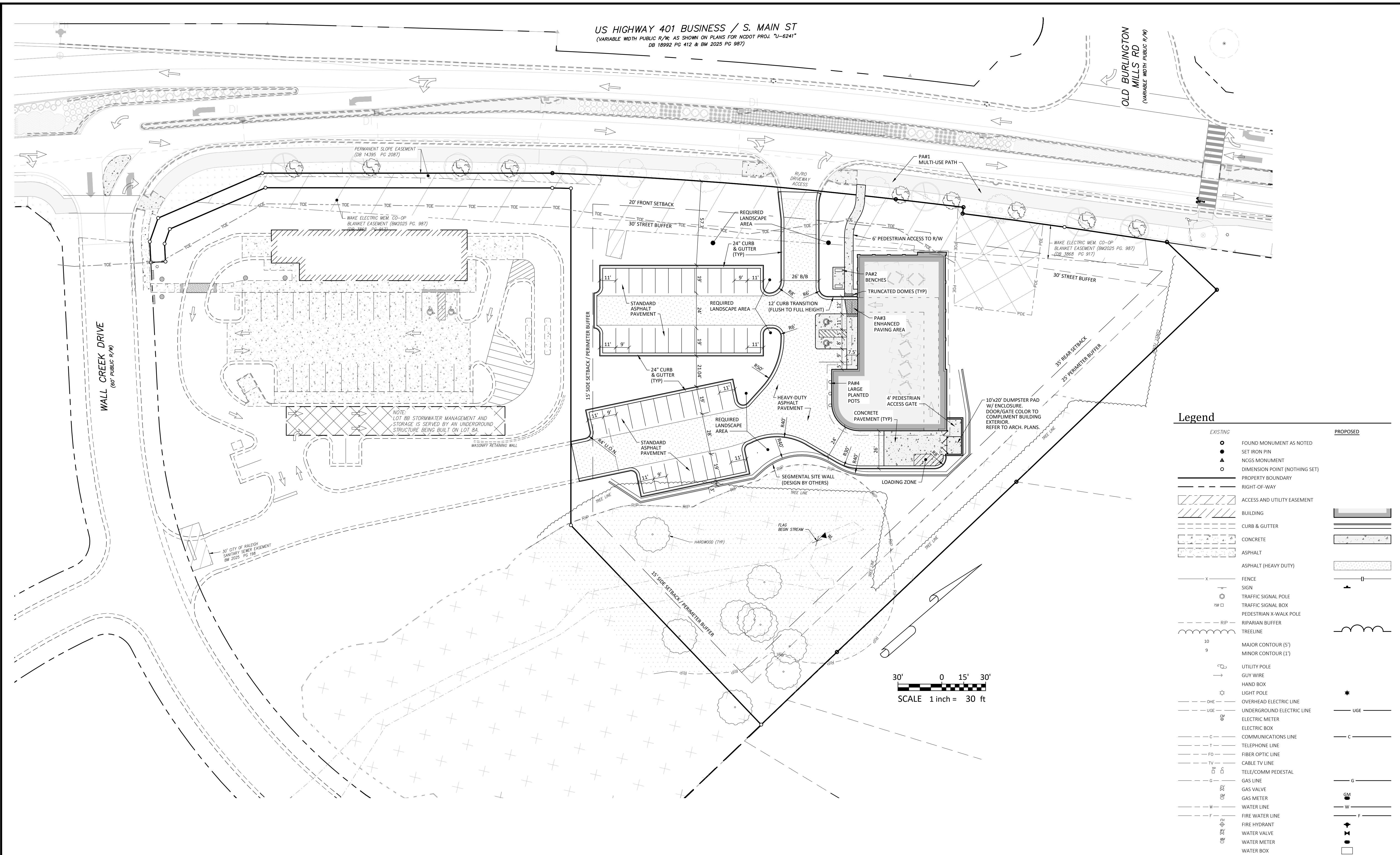
925-A Conference Dr.
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North Carolina Professional Seal
Professional Engineer
No. 10101
Date: 01/31/2026

Project Manager: BCF
Drawn By: DLC
Checked By: BCF
Project Number: 26012
Drawing Number: D-1652

C1.3

Date: May 31, 2026



US HIGHWAY 401 BUSINESS / S. MAIN ST
 (VARIABLE WIDTH PUBLIC R/W, AS SHOWN ON PLANS FOR NCDOT PROJ. "U-6241"
 DB 18992 PG 412 & BM 2025 PG 987)

OLD BURLINGTON MILLS RD
 (VARIABLE WIDTH PUBLIC R/W)

WALL CREEK DRIVE
 (60' PUBLIC R/W)

NOTE:
 LOT #88 STORMWATER MANAGEMENT AND STORAGE IS SERVED BY AN UNDERGROUND STRUCTURE BEING BUILT ON LOT #8A.

30' 0 15' 30'
 SCALE 1 inch = 30 ft

Abbreviations

(TYP)	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
R/W	RIGHT-OF-WAY
B/B	BACK-OF-CURB TO BACK-OF-CURB WIDTH

Pedestrian Amenity Legend

PA #1	MULT-USE PATH / GREENWAY 367 LF MUP/GREENWAY MAIN ST PROJECT	PA #3	ENHANCED PAVING AREA DECORATIVE STAMPED ASPHALT PAVING. SEE DETAIL SHEET C6.1
PA #2	BENCHES SEE DETAIL C6.1	PA #4	LARGE PLANTED POTS SEE DETAIL SHEET C6.1

Legend

EXISTING	FOUND MONUMENT AS NOTED	PROPOSED
●	FOUND MONUMENT AS NOTED	●
○	SET IRON PIN	○
▲	NCGS MONUMENT	▲
○	DIMENSION POINT (NOTHING SET)	○
---	PROPERTY BOUNDARY	---
---	RIGHT-OF-WAY	---
---	ACCESS AND UTILITY EASEMENT	---
---	BUILDING	---
---	CURB & GUTTER	---
---	CONCRETE	---
---	ASPHALT	---
---	ASPHALT (HEAVY DUTY)	---
---	FENCE	---
---	SIGN	---
---	TRAFFIC SIGNAL POLE	---
---	TRAFFIC SIGNAL BOX	---
---	PEDESTRIAN X-WALK POLE	---
---	RIPARIAN BUFFER	---
---	TREELINE	---
---	MAJOR CONTOUR (5')	---
---	MINOR CONTOUR (1')	---
---	UTILITY POLE	---
---	GUY WIRE	---
---	HAND BOX	---
---	LIGHT POLE	---
---	OVERHEAD ELECTRIC LINE	---
---	UNDERGROUND ELECTRIC LINE	---
---	ELECTRIC METER	---
---	ELECTRIC BOX	---
---	COMMUNICATIONS LINE	---
---	TELEPHONE LINE	---
---	FIBER OPTIC LINE	---
---	CABLE TV LINE	---
---	TELE/COMM PEDESTAL	---
---	GAS LINE	---
---	GAS VALVE	---
---	GAS METER	---
---	WATER LINE	---
---	FIRE WATER LINE	---
---	FIRE HYDRANT	---
---	WATER VALVE	---
---	WATER METER	---
---	WATER BOX	---
---	FIRE DEPARTMENT CONNECTION (FDC)	---
---	WATER MANHOLE	---
---	WELL	---
---	SANITARY SEWER GRAVITY LINE	---
---	SANITARY SEWER FORCE MAIN	---
---	SANITARY SEWER MANHOLE	---
---	CLEAN-OUT	---
---	SANITARY SEWER VALVE	---
---	STORM DRAIN PIPE	---
---	STORM DRAIN PIPE (12"Ø & UNDER)	---
---	CATCH BASIN (CB)	---
---	DROP INLET (DI)	---
---	STORM DRAIN MANHOLE	---
---	DOWNSPOUT	---
---	ROOF DRAIN PIPE	---
---	RIP RAP	---
---	SPILL CURB	---

SITE PLAN
CHAPEL HILL TIRE AT WALLBROOK

Town of Rolesville Project No. SDP 26-xxxx
 Wake Forest Township, Town of Rolesville, Wake County, North Carolina

ARK CONSULTING GROUP PLLC
 ENGINEERS & SURVEYORS
 925-A Conference Dr.
 Raleigh, NC 27606
 (757) 558-0888
 www.arkconsultinggroup.com

Professional Engineer Seal: North Carolina Professional Engineer, License No. 18000, Exp. 12/31/2026

Project Manager: BCF
 Drawn By: DLC
 Checked By: BCF
 Project Number: 26012
 Drawing Number: D-1652

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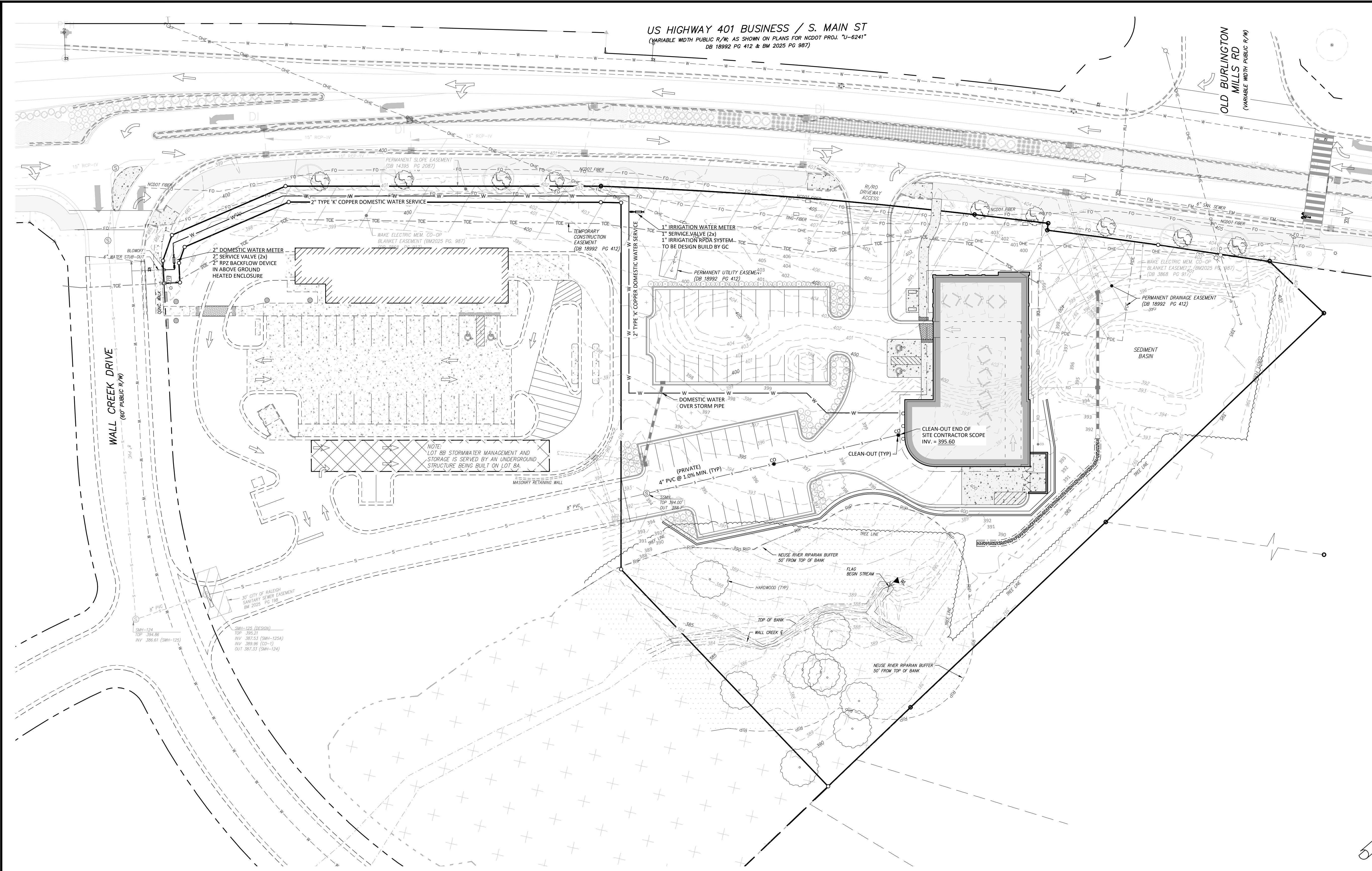
Date: May 31, 2026



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REVISIONS:

#	DATE	DESCRIPTION
1	11/14/24	SUBMIT FOR PERMIT REVIEW



US HIGHWAY 401 BUSINESS / S. MAIN ST
 (VARIABLE WIDTH PUBLIC R/W AS SHOWN ON PLANS FOR NCDOT PROJ. "U-6241"
 DB 18992 PG 412 & BM 2025 PG 987)

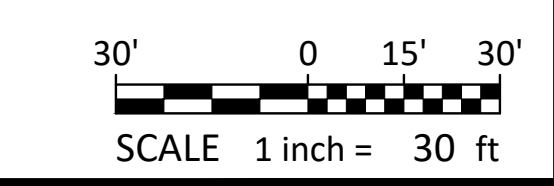
OLD BURLINGTON
 MILLS RD
 (VARIABLE WIDTH PUBLIC R/W)

WALL CREEK DRIVE
 (60' PUBLIC R/W)

NOTE:
 LOT 88 STORMWATER MANAGEMENT AND
 STORAGE IS SERVED BY AN UNDERGROUND
 STRUCTURE BEING BUILT ON LOT 8A.

CORPUD Standard Utility Notes:

- ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD 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 PUBLIC UTILITIES DIRECTOR. ALL DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER TO OUTSIDE DIAMETER.
 - 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.
 - 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER
 - 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).
- 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 THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT 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 INTERRUPTIONS SHALL BE PRECEDED BY A 24-HOUR ADVANCE NOTICE TO THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT.
- 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 PUBLIC UTILITIES 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 THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT. THIS INCLUDES ABANDONING TAP AT MAIN & REMOVAL OF SERVICE FROM ROW OR EASEMENT PER CORPUD HANDBOOK PROCEDURE.
- INSTALL 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.
- INSPECTIONS 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 & SPACED PER THE CURRENT NC PLUMBING CODE.
- 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.
- 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) 996-4516 OR FOG@RALEIGHNC.GOV FOR MORE INFORMATION.
- CROSS CONNECTION 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 TESTING 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 PROJECTS THAT INVOLVE AN OVERSIZED MAIN OR URBAN MAIN REPLACEMENT. ANY CITY REIMBURSEMENT GREATER THAN \$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".



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1	13/10/2025	SUBMIT FOR PERMIT REVIEW



UTILITY PLAN

CHAPEL HILL TIRE AT WALLBROOK

Town of Rolesville Project No. SDP 26-xxxx

Wake Forest Township, Town of Rolesville, Wake County, North Carolina

NC License # P1139

ARK CONSULTING GROUP PLLC
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Project Manager: BCF
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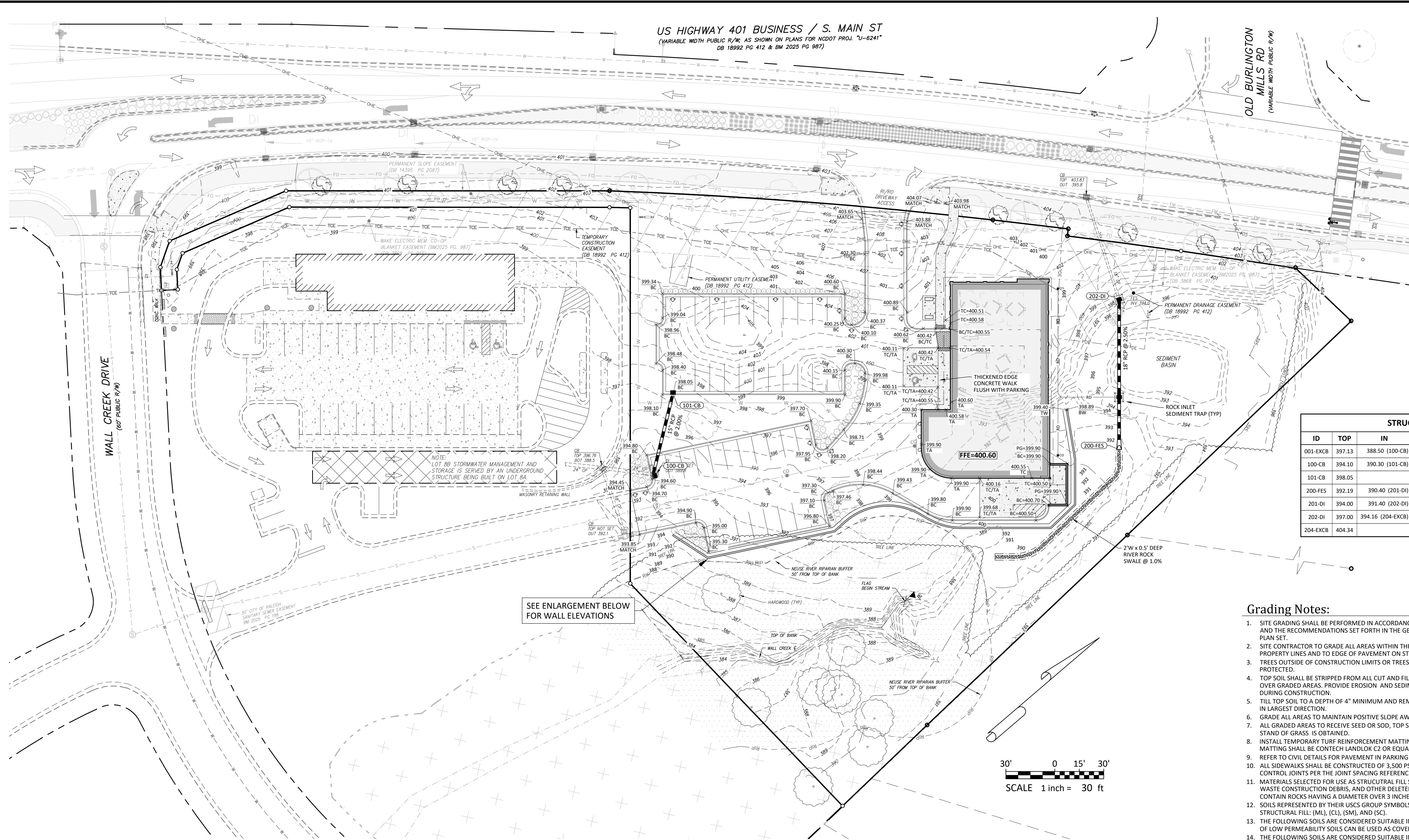
Date: May 31, 2026

Stamp: NORTH CAROLINA PROFESSIONAL ENGINEER AND SURVEYOR, License No. 10000, State of North Carolina, Exp. 12/31/2026

US HIGHWAY 401 BUSINESS / S. MAIN ST
(VARIABLE WIDTH PUBLIC R/W, AS SHOWN ON PLANS FOR NCDOT PROJ. "U-6241"
DB 18992 PG 412 & BM 2025 PG 987)

OLD BURLINGTON
MILLS RD
(VARIABLE WIDTH PUBLIC R/W)

WALL CREEK DRIVE
(60' PUBLIC R/W)



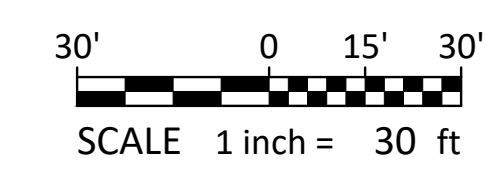
NOTE: LOT 88 STORMWATER MANAGEMENT AND STORAGE IS SERVED BY AN UNDERGROUND STRUCTURE BEING BUILT ON LOT 8A.

SEE ENLARGEMENT BELOW FOR WALL ELEVATIONS

STRUCTURE TABLE				
ID	TOP	IN	OUT	DESC
001-EXCB	397.13	388.50 (100-CB)		Ex. Catch Basin
100-CB	394.10	390.30 (101-CB)	389.80 (001-EXCB)	Catch Basin
101-CB	398.05		391.35 (100-CB)	Catch Basin
200-FES	392.19	390.40 (201-DI)		18 in Flared End Section
201-DI	394.00	391.40 (202-DI)	391.20 (200-FES)	Drop Inlet
202-DI	397.00	394.16 (204-EXCB)	392.90 (201-DI)	Drop Inlet
204-EXCB	404.34		395.80 (202-DI)	Ex. Catch Basin (U6241_704)

Grading Notes:

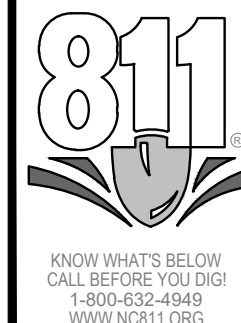
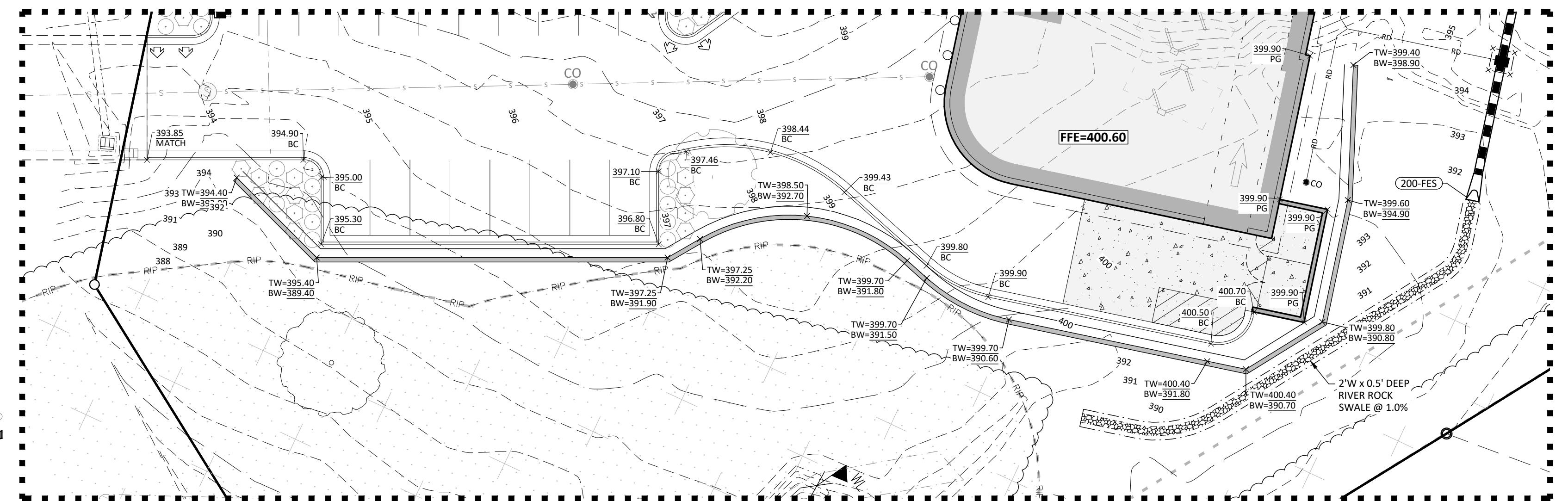
- SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT REFERENCED IN THIS PLAN SET.
- SITE CONTRACTOR TO GRADE ALL AREAS WITHIN THE LIMITS OF DISTURBANCE FROM BUILDING TO PROPERTY LINES AND TO EDGE OF PAVEMENT ON STREET SIDES, INCLUDING ROW.
- TREES OUTSIDE OF CONSTRUCTION LIMITS OR TREES NOT INDICATED TO BE REMOVED SHALL BE PROTECTED.
- TOP SOIL SHALL BE STRIPPED FROM ALL CUT AND FILL AREAS, STOCKPILED AND REDISTRIBUTED OVER GRADED AREAS, PROVIDE EROSION AND SEDIMENTATION CONTROLS AROUND STOCKPILES DURING CONSTRUCTION.
- TILL TOP SOIL TO A DEPTH OF 4" MINIMUM AND REMOVE ALL ROCKS LARGER THAN 1" MEASURED IN LARGEST DIRECTION.
- GRADE ALL AREAS TO MAINTAIN POSITIVE SLOPE AWAY FROM BUILDING.
- ALL GRADED AREAS TO RECEIVE SEED OR SOD, TOP SOIL, STRAW AND WATER UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
- INSTALL TEMPORARY TURF REINFORCEMENT MATTING ON ALL SLOPES STEEPER THAN 3:1. MATTING SHALL BE CONTECH LANDLOK C2 OR EQUAL.
- REFER TO CIVIL DETAILS FOR PAVEMENT IN PARKING AND DRIVE AREAS.
- ALL SIDEWALKS SHALL BE CONSTRUCTED OF 3,500 PSI CONCRETE AND SHALL HAVE TOOLED CONTROL JOINTS PER THE JOINT SPACING REFERENCED ON THE PLAN.
- MATERIALS SELECTED FOR USE AS STRUCTURAL FILL SHALL BE FREE OF VEGETABLE MATTER, WASTE CONSTRUCTION DEBRIS, AND OTHER DELETERIOUS MATERIALS. THE MATERIAL SHALL NOT CONTAIN ROCKS HAVING A DIAMETER OVER 3 INCHES.
- SOILS REPRESENTED BY THEIR USCS GROUP SYMBOLS WILL TYPICALLY BE SUITABLE FOR USE AS STRUCTURAL FILL: (ML), (CL), (SM), AND (SC).
- THE FOLLOWING SOILS ARE CONSIDERED SUITABLE IN AREAS WHERE A MINIMUM THICKNESS OF 3' OF LOW PERMEABILITY SOILS CAN BE USED AS COVER: (SW), (SP), (SP-SM), AND (SP-SC)
- THE FOLLOWING SOILS ARE CONSIDERED SUITABLE IN AREAS WHERE A MINIMUM THICKNESS OF 3' OF NON-EXPANSIVE SOILS CAN BE USED AS COVER: (MH) AND (CH).
- THE FOLLOWING SOIL TYPES ARE CONSIDERED UNSUITABLE: (OL), (OH), AND (PI).
- ALL STRUCTURAL FILL SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698). ADDITIONALLY, THE IN-PLACE MAXIMUM DRY DENSITY OF STRUCTURAL FILL SHOULD BE NO LESS THAN 90 PCF.
- THE UPPER 12" OF BUILDING FLOOR SLAB SUBGRADES SHALL BE COMPACTED TO AT LEAST 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698).
- FILL PLACEMENT IN PAVEMENT AREAS SHALL BE PERFORMED IN ACCORDANCE WITH NCDOT STANDARD SPECIFICATIONS.
- SUITABLE FILL MATERIAL SHALL BE PLACED IN 8" LIFTS AND COMPACTED BY MECHANICAL MEANS. PROOFROLLING WITH RUBBER TIRE, HEAVILY LOADED VEHICLES MAY BE DESIRABLE AT INTERVALS OF APPROXIMATELY 2 VERTICAL FEET TO BIND THE LIFTS TOGETHER AND TO SEAL THE SURFACE OF THE COMPLETED AREAS.
- ALL BUILDING, SIDEWALK, AND PAVEMENT SUB-GRADE COMPACTIONS SHALL BE INTERMEDIATELY TESTED THROUGHOUT FILL PLACEMENT OPERATIONS AND APPROVED BY THE GEOTECHNICAL ENGINEER. ALL SUB-GRADES SHALL BE THOROUGHLY PROOF-ROLLED TO IDENTIFY SMALL LOCALIZED AREAS OF UNSUITABLE SOILS. ALL UNSUITABLE SOILS SHALL BE UNDERCUT, REPLACED WITH STRUCTURAL FILL, AND COMPACTED AS DESCRIBED ABOVE.
- WHERE REQUIRED, PAVEMENT SHALL BE SAW CUT IN STRAIGHT LINES, AND EXCEPT FOR EDGE OF BUTT JOINTS, SHALL EXTEND TO THE FULL DEPTH OF THE EXISTING PAVEMENT. ALL DEBRIS FROM REMOVAL OPERATIONS SHALL BE REMOVED FROM THE SITE AT THE TIME OF EXCAVATION. STOCKPILING OF DEBRIS WILL NOT BE PERMITTED.
- THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, CLEANOUTS, ETC. SHALL BE ADJUSTED, AS REQUIRED, TO MATCH PROPOSED GRADES.
- SITE CONTRACTOR SHALL BE REQUIRED TO SECURE ALL NECESSARY PERMITS AND APPROVALS FOR OFF SITE MATERIAL SOURCES AND / OR DISPOSAL FACILITIES. CONTRACTOR SHALL SUPPLY A COPY OF APPROVALS TO OWNER PRIOR TO INITIATING WORK.
- UNLESS INDICATED OTHERWISE, ALL STORM DRAINAGE PIPE SHALL BE REINFORCED CONCRETE PIPE (RCP) CLASS III WITH SOIL TIGHT JOINTS.
- SITE CONTRACTOR SHALL INSTALL BUILDING ROOF DRAINS TO WITHIN 2' OF THE BUILDING EXTERIOR WALL, CAP AND PROVIDE ABOVE GROUND MARKER FOR LOCATION PURPOSES. GENERAL CONTRACTOR IS RESPONSIBLE FOR THE INS OF BUILDING DOWNSPOUTS TO SITE ROOF DRAINAGE PIPING.



Grading Legend

- BC BACK OF CURB
- TC TOP OF CONCRETE
- TA TOP OF ASPHALT
- TW TOP OF WALL
- BW BOTTOM OF WALL
- PG PROPOSED GRADE/GROUND

- CB CATCH BASIN
- DI DROP INLET
- INV INVERT
- U/G UNDERGROUND
- SP SPILL CURB
- LF LINEAR FOOT OF STORM DRAIN PIPE
- CATCH BASIN = MEASURED TO CENTER OF HOOD AT BACK-OF-CURB
- DROP INLET & MANHOLE = MEASURED TO CENTER OF STRUCTURE



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REVISIONS:

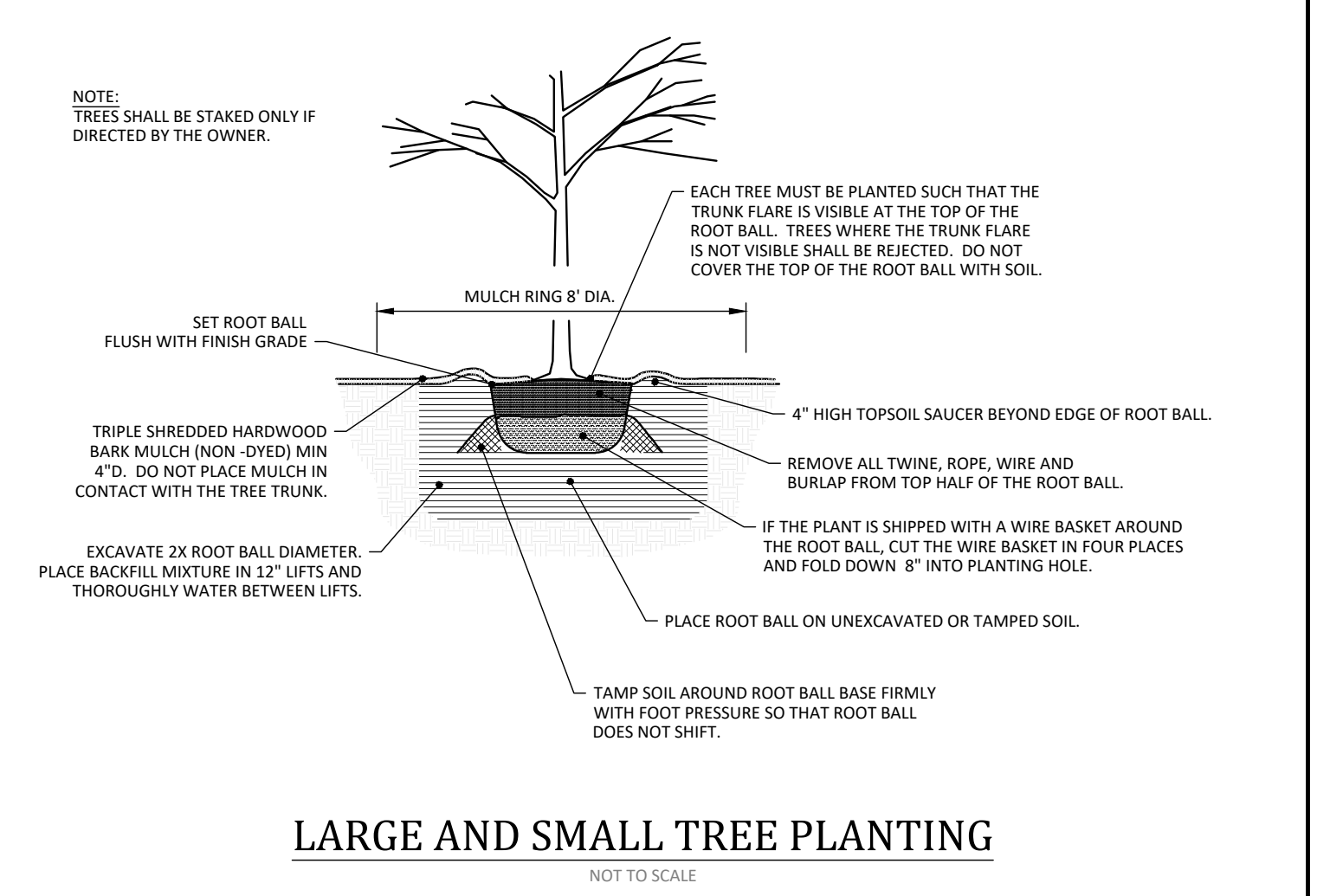
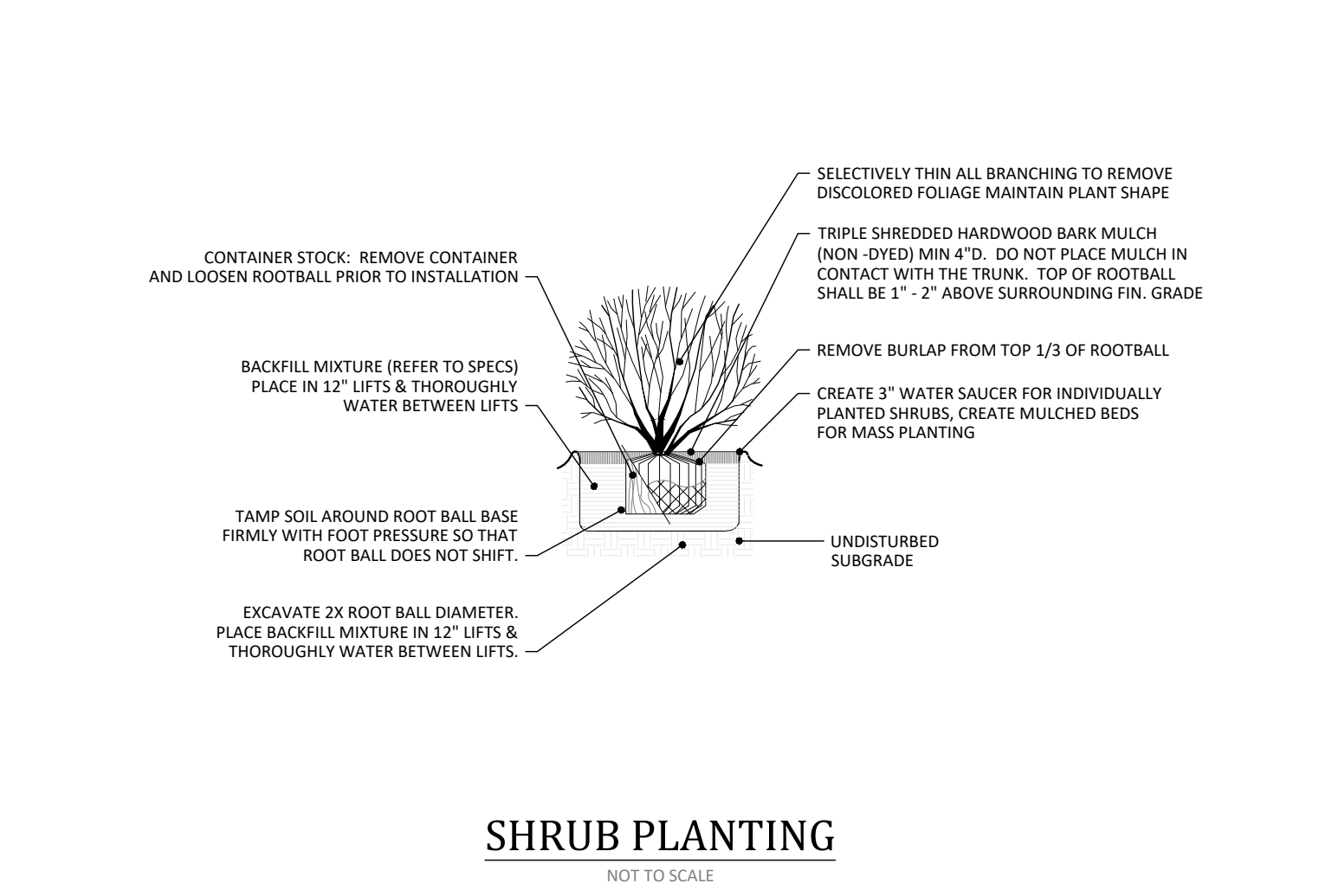
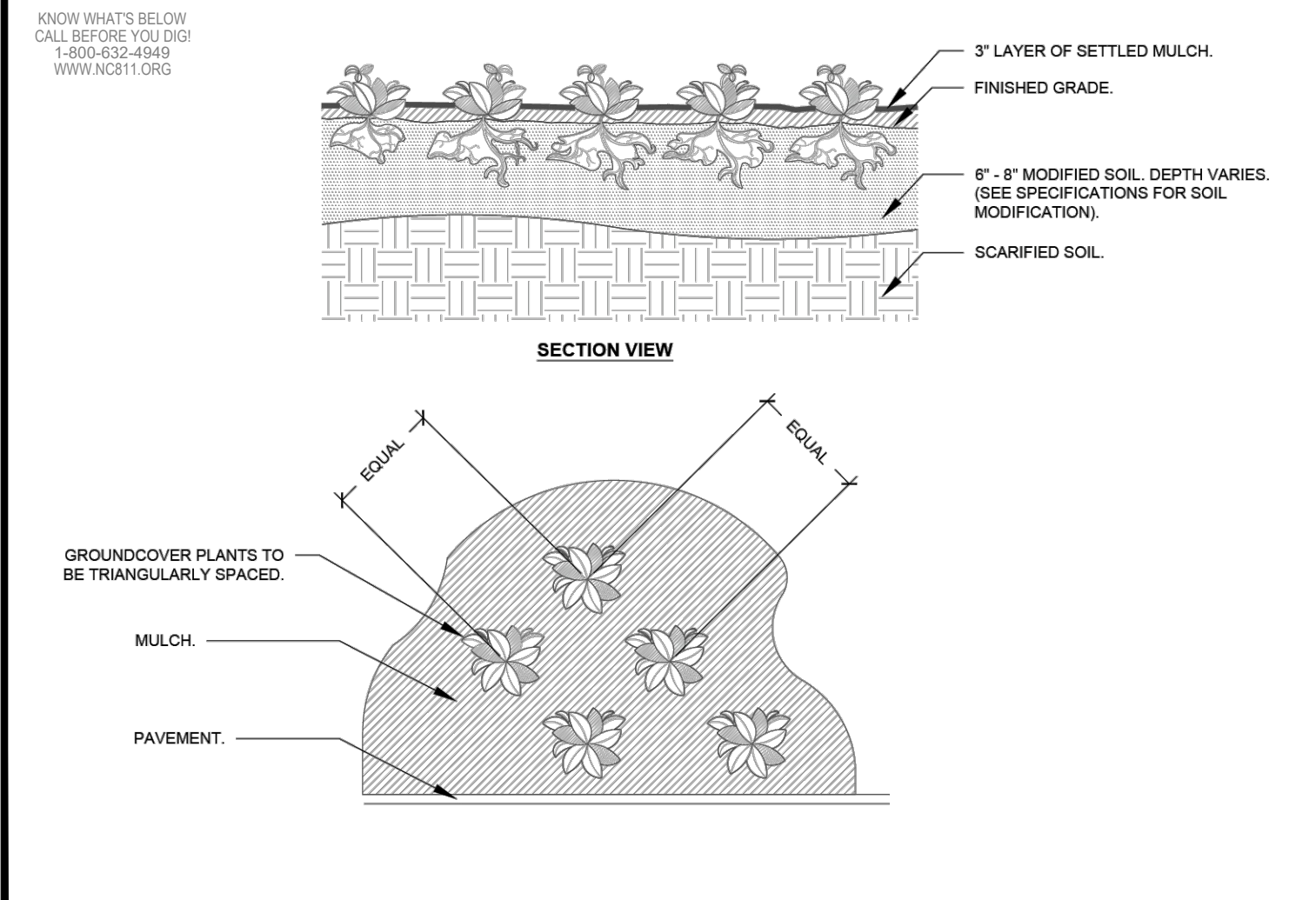
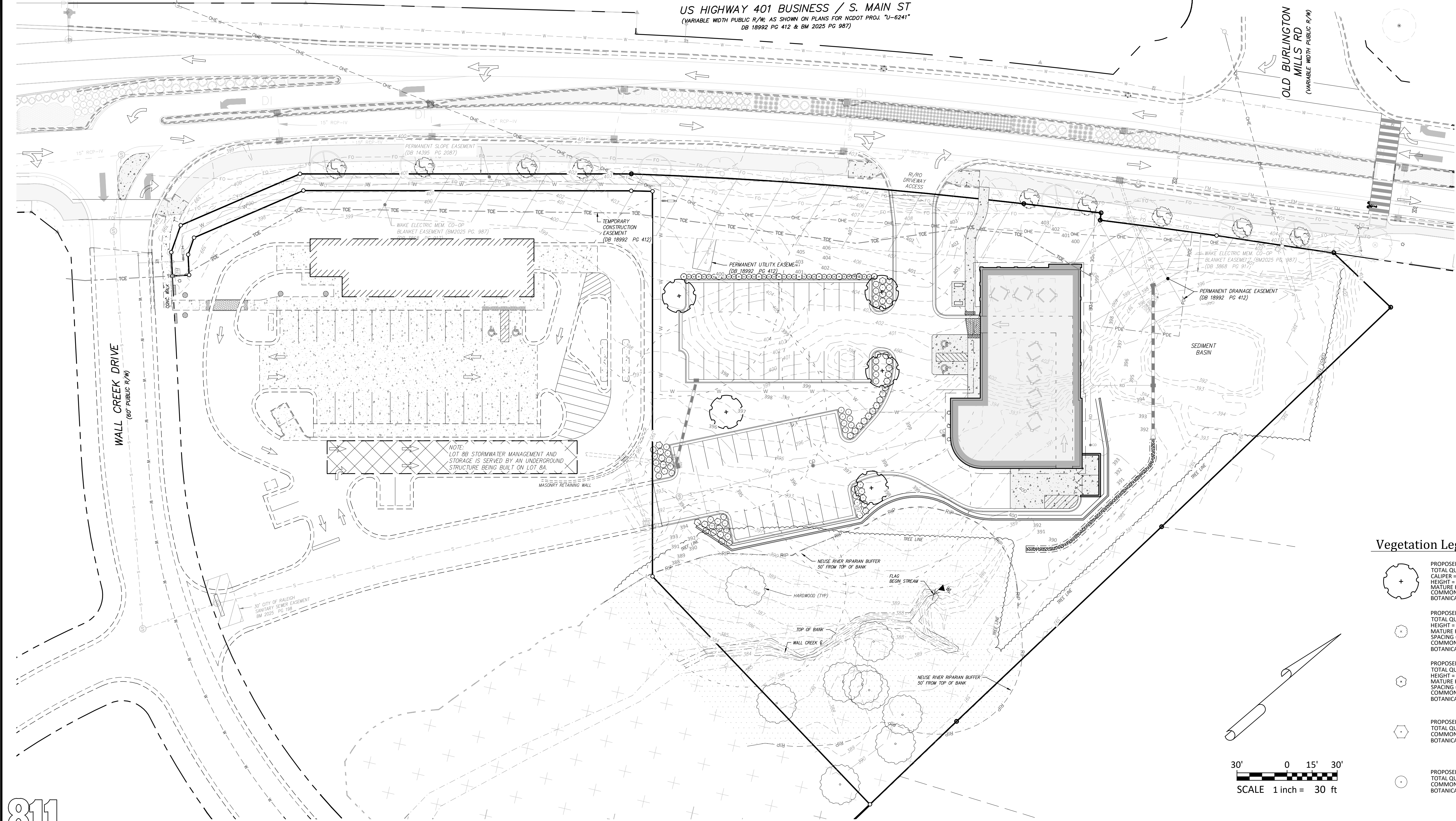


GRADING PLAN
CHAPEL HILL TIRE AT WALLBROOK
Town of Rolesville Project No. SDP 26-xxxx
Wake Forest Township, Town of Rolesville, Wake County, North Carolina

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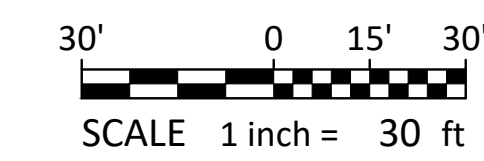
Project Manager: BCF
Drawn By: DLC
Checked By: BCF
Project Number: 26012
Drawing Number: D-1652

C4.0
Date: May 31, 2026



Vegetation Legend:

	PROPOSED LARGE TREE (CANOPY) TOTAL QUANTITY = 5 CALIPER = 3" HEIGHT = 12' MATURE HEIGHT = 50' - 80' COMMON NAME = RED MAPLE BOTANICAL NAME = ACER RUBRUM (NATIVE)
	PROPOSED SHRUB(S) TOTAL QUANTITY = 11 HEIGHT = 24" MATURE HEIGHT = 24" - 36" SPACING = 12' (3' FROM 'GREY OWL' SHRUBS) COMMON NAME = BLUEBEARD BOTANICAL NAME = CARYOPTERIS X CLANDONENSIS (NATIVE)
	PROPOSED SHRUB(S) TOTAL QUANTITY = 28 HEIGHT = 24" MATURE HEIGHT = 24" - 36" SPACING = 3' COMMON NAME = GREY OWL EASTERN RED CEDAR BOTANICAL NAME = JUNIPERUS VIRGINIANA 'GREY OWL' (NATIVE)
	PROPOSED SHRUBS - TERMINAL ISLAND TOTAL QUANTITY = 37 COMMON NAME = GRO-LOW FRAGRANT SIMAC BOTANICAL NAME = RHUS AROMATIA 'GRO-LOW' (NATIVE)
	PROPOSED SHRUBS - TERMINAL ISLAND TOTAL QUANTITY = 43 COMMON NAME = DWARF YALPON HOLLY BOTANICAL NAME = ILEX VOMITORIA 'NANA' (NATIVE)



- ### Bufferyard Notes:
- SITE DATA:
 - PROVIDED VEGETATION FOR LOT:
 - LARGE TREES: 5 PROVIDED
 - REQUIRED STREET VEGETATION:
 - LARGE TREES: S. MAIN STREET = 417 LF / 40' * 1 TREE = 10 TREES (PROVIDED BY MAIN STREET IMPROVEMENTS)
 - UNDERSTORY TREES: S. MAIN STREET = 417 LF / 40' * 2 TREE = 20 TREES (PROVIDED BY MAIN STREET IMPROVEMENTS)
 - REQUIRED SCREENING VEGETATION: NONE
 - REQUIRED VEGETATION LOCATED IN EASEMENTS: NONE
 - NOTES:
 - MINIMUM PLANT SIZES SHALL BE IN ACCORDANCE WITH THE SECTION 6.2.4.3 OF THE LDO AS FOLLOWS:

PLANTING MATERIAL TYPE	MINIMUM PLANTING SIZE
1. LARGE (CANOPY) TREE	8" (HEIGHT) AND 2" CALIPER
2. SMALL/MEDIUM (UNDERSTORY) TREE	8" (HEIGHT) AND 1" CALIPER
3. SHRUB	24" (HEIGHT) - EVERGREEN 18" (HEIGHT) - DECIDUOUS
 - NO PORTION OF ANY PARKING SPACE SHALL BE LOCATED MORE THAN SIXTY (60) FEET FROM AN ON-SITE LARGE (CANOPY) TREE. FOR PURPOSES OF THIS SECTION, THE MEASUREMENT SHALL BE FROM THE CLOSEST EDGE OF THE SUBJECT AREA TO THE CENTER OF THE BASE OF THE CLOSEST QUALIFYING TREE IN ACCORDANCE WITH SECTION 6.2.4.4 OF THE LDO.
 - DUMPSTER/COMPACTOR SHALL BE SCREENED ON 3 SIDES IN ACCORDANCE WITH SECTION 6.2.4.6 OF THE LDO.
 - NO TREES OR SHRUBS SHALL BE PLANTED WITHIN SANITARY SEWER, WATERLINE OR ELECTRIC EASEMENTS WITHOUT THE TOWN AND EASEMENT HOLDER APPROVAL.
 - ALL MULTI-STEM TREES SHALL HAVE AT LEAST THREE STALKS WITH A MINIMUM CALIPER OF 2.5" IN ACCORDANCE WITH SECTION 6.2.4.7 OF THE LDO.
 - LANDSCAPING SHALL BE COMPLIANT WITH LDO SECTION 6.2.4
 - MINIMUM OF 3 FEET CLEARANCE MUST BE MAINTAINED AROUND ALL FIRE HYDRANTS IN ACCORDANCE WITH STATE BUILDING CODE.
 - PLANTINGS WITHIN THE R/W ARE TO BE INSTALLED AS PART OF THE MAIN STREET PROJECT (NCDDOT U-6241). REFER TO WALLBROOK PRELIMINARY PLAN (PR 21-04 REV) FOR VEGETATION PRESERVATION IN THIS AREA.
 - CONTRACTOR SHALL PLACE WEED MATTING AND METAL EDGING LOCATED AT THE BACK OF CURB AROUND ALL MULCH BEDS

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REQUIRED VEGETATION PLAN

CHAPEL HILL TIRE AT WALLBROOK

Town of Rolesville Project No. SDP 26-xxxx

Wake Forest Township, Town of Rolesville, Wake County, North Carolina

NC License # PL 1318

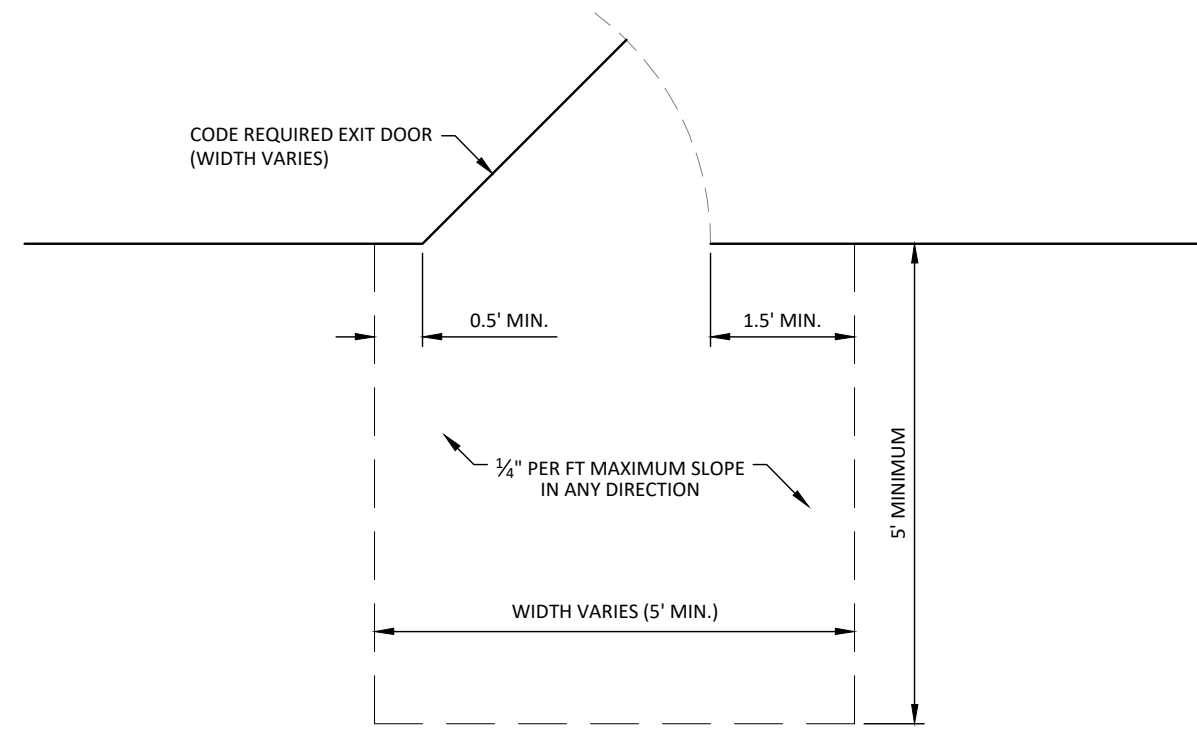
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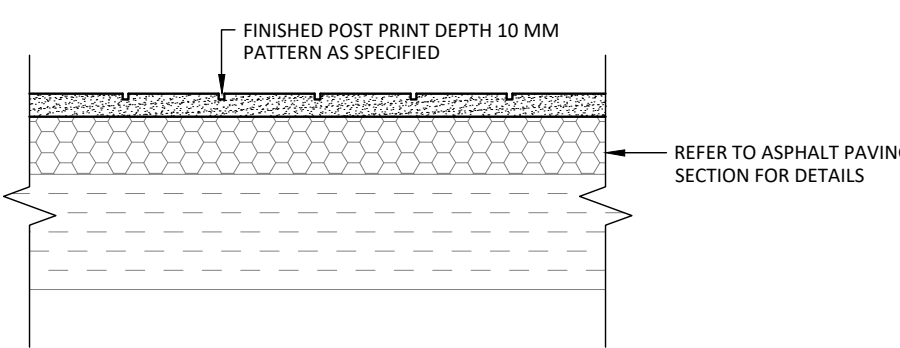
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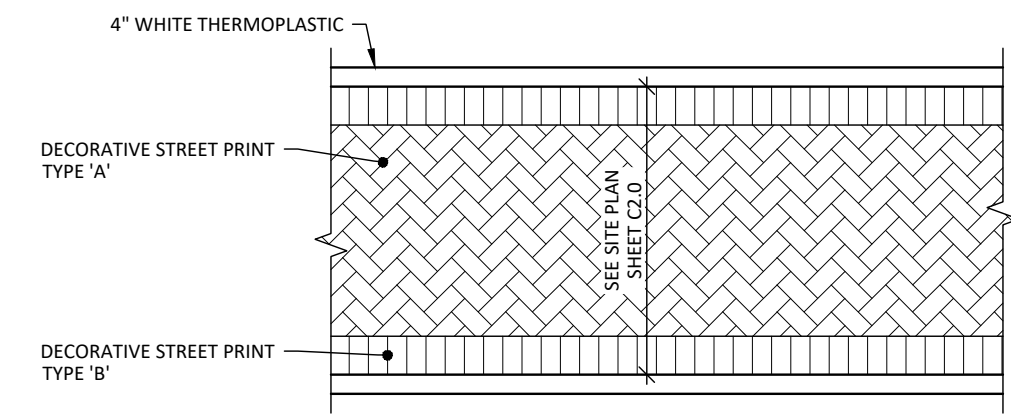
REQUIRED BUILDING EXIT DOOR ACCESSIBLE GRADES
NOT TO SCALE



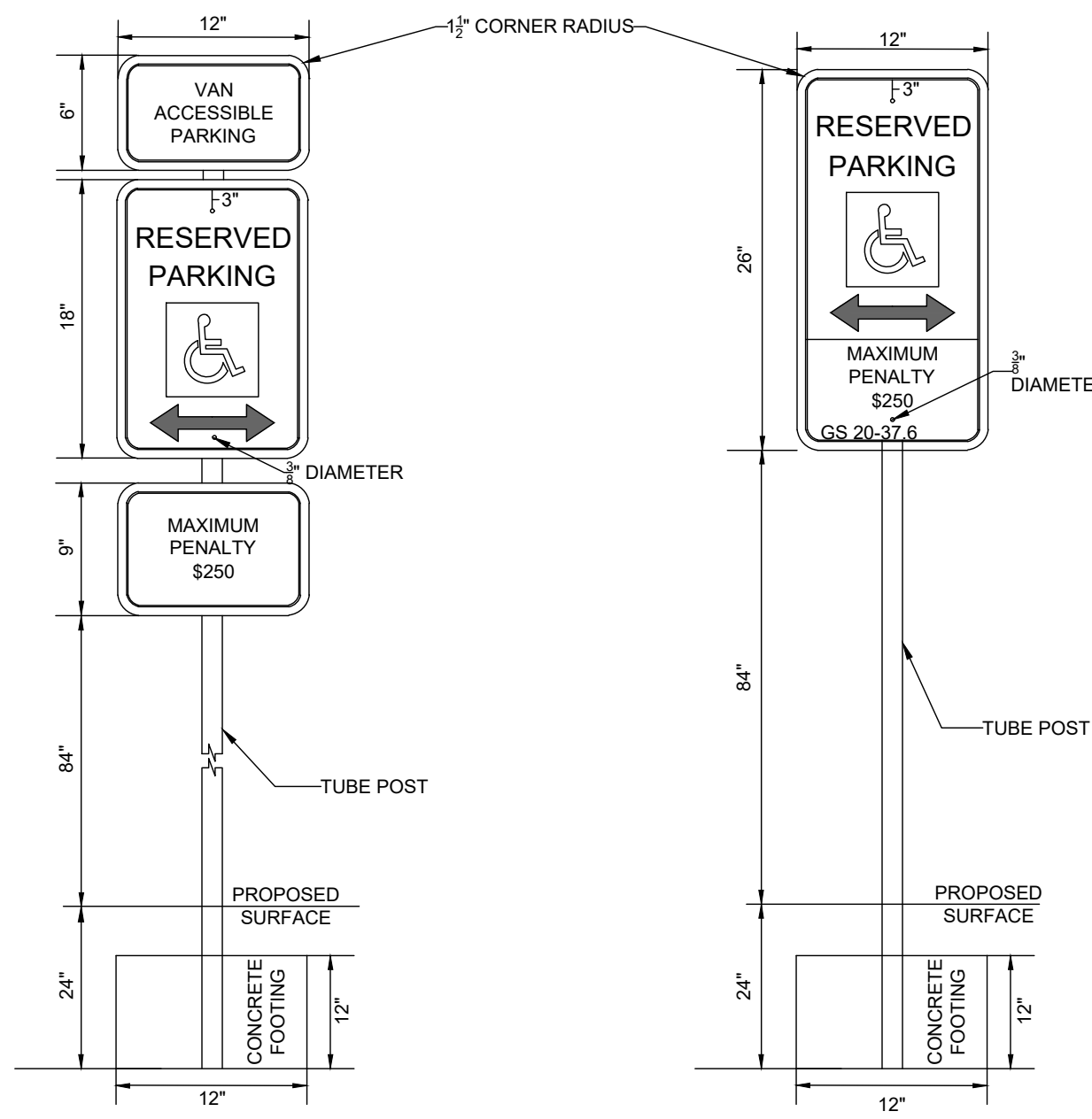
DECORATIVE STREET PRINT TYPE 'A'
PATTERN: HERRINGBONE (45° BIAS)
COLOR: COLONIAL BRICK

DECORATIVE STREET PRINT TYPE 'B'
PATTERN: SINGLE SOLDIER COURSE
COLOR: COLONIAL BRICK

NOTE:
CONTRACTOR SHALL CONSTRUCT 6"x6" MOCKUP WITH PATTERN AND COLOR REPRESENTING FINAL FINISH OF EACH TYPE OF DECORATIVE STREET PRINT FOR REVIEW AND APPROVAL BY PROJECT ENGINEER.

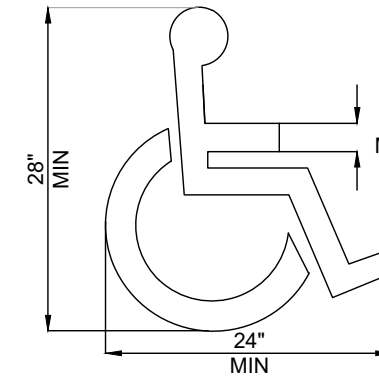
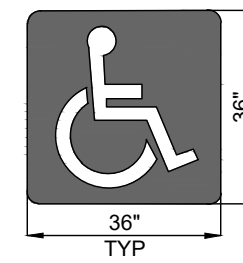


STAMPED ASPHALT
NOT TO SCALE

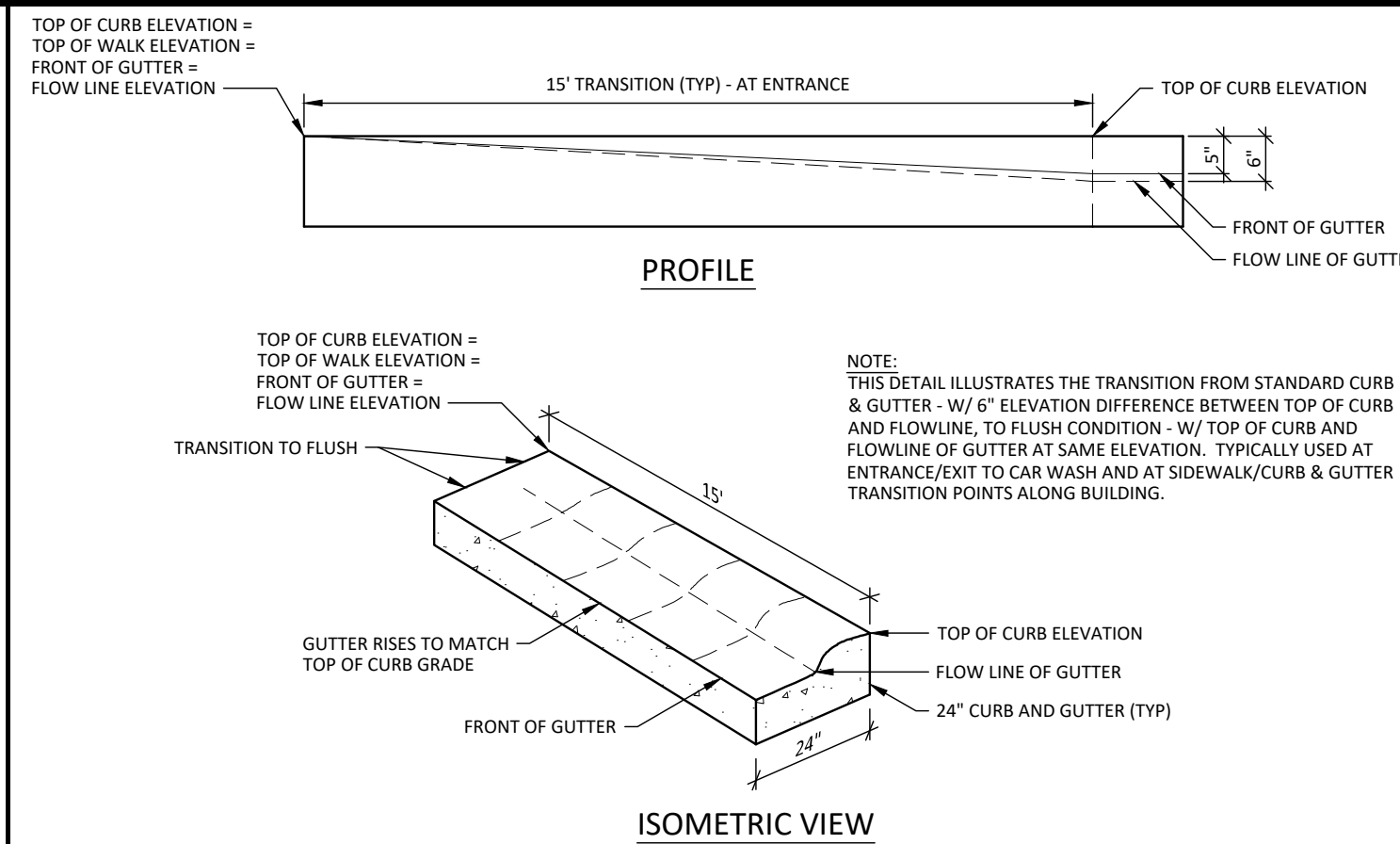


- NOTES:**
- ALL INFORMATION MUST MEET THE CURRENT NORTH CAROLINA DOT STANDARDS. IF CONFLICT ARISES NCDOT STANDARDS SHALL DICTATE.
 - EACH HANDICAP PARKING SHALL HAVE ITS OWN SIGN.
 - SIGN SHALL BE ENGINEERING GRADE REFLECTIVE ALUMINUM.
 - MEETING ASTM D4956 TYPE I REFLECTION SHALL BE EFFECTIVE FOR 7 YEARS AND WILL BE RESISTANT TO FADING AND MILD CHEMICALS.
 - SIGN SHALL BE 0.08" THICK - 18 GAUGE GALVANIZED SHEET METAL.
 - THE SIGN SHALL HAVE SERVICE TEMP RANGE OF -10°F TO 130°F.
 - THE AVERAGE TEXT SIZE SHALL BE 1" HELVETICA MEDIUM LETTERS.
 - HANDICAP SYMBOL SHALL BE WHITE ON A BLUE BACKGROUND.
 - BACKGROUND OF THE SIGN SHALL BE WHITE.
 - SIGN SHALL BE ATTACHED TO A 2" STEEL TUBE POST. TUBE SHALL BE PAINTED WITH A SUITABLE FLAT BLACK PAINT - 2 COATS.
 - THE SIGN SHALL BE MOUNTED TO THE SIGN USING A 1/2" X 2" LONG STRUTS HEAD GALVANIZED BOLTS THROUGH THE SIGN AND POST. MOUNTED AT THE TOP AND BOTTOM.
 - MOUNT POST IN BOLLARD. SEE SHEET C6.1 FOR BOLLARD DETAIL.

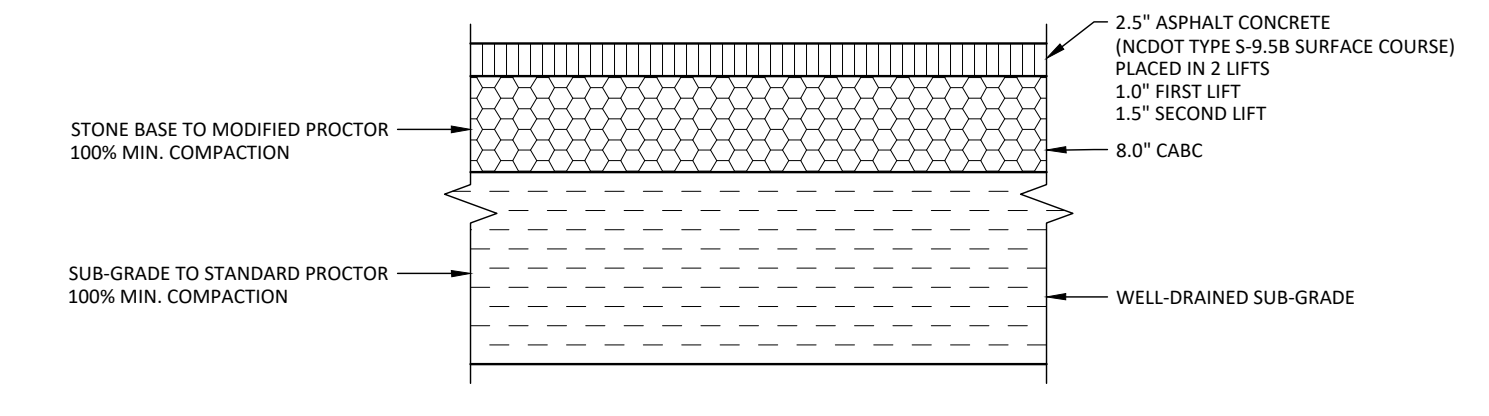
PARKING LOT STRIPING



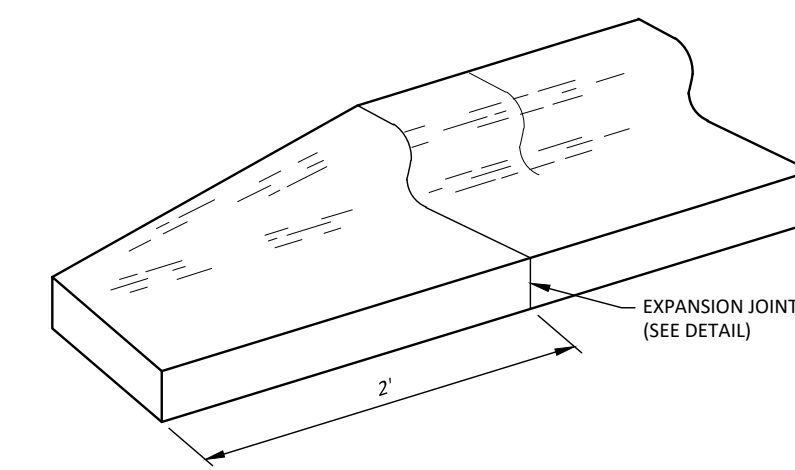
ACCESSIBLE PARKING SIGN
NOT TO SCALE



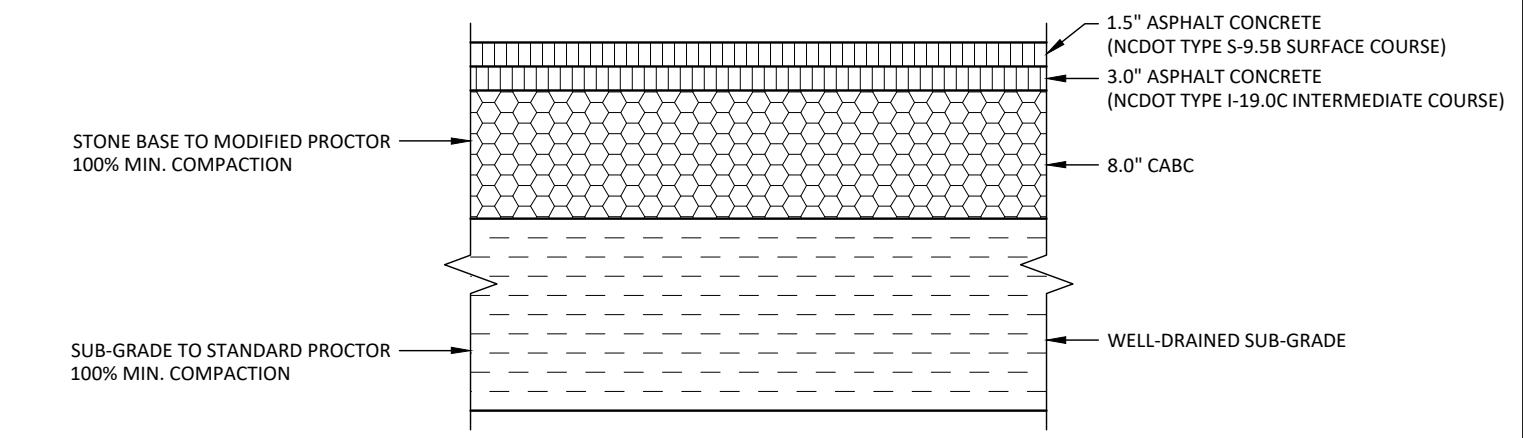
CURB AND GUTTER TO FLUSH PAVING TRANSITION
NOT TO SCALE



STANDARD ASPHALT PAVEMENT SECTION
NOT TO SCALE

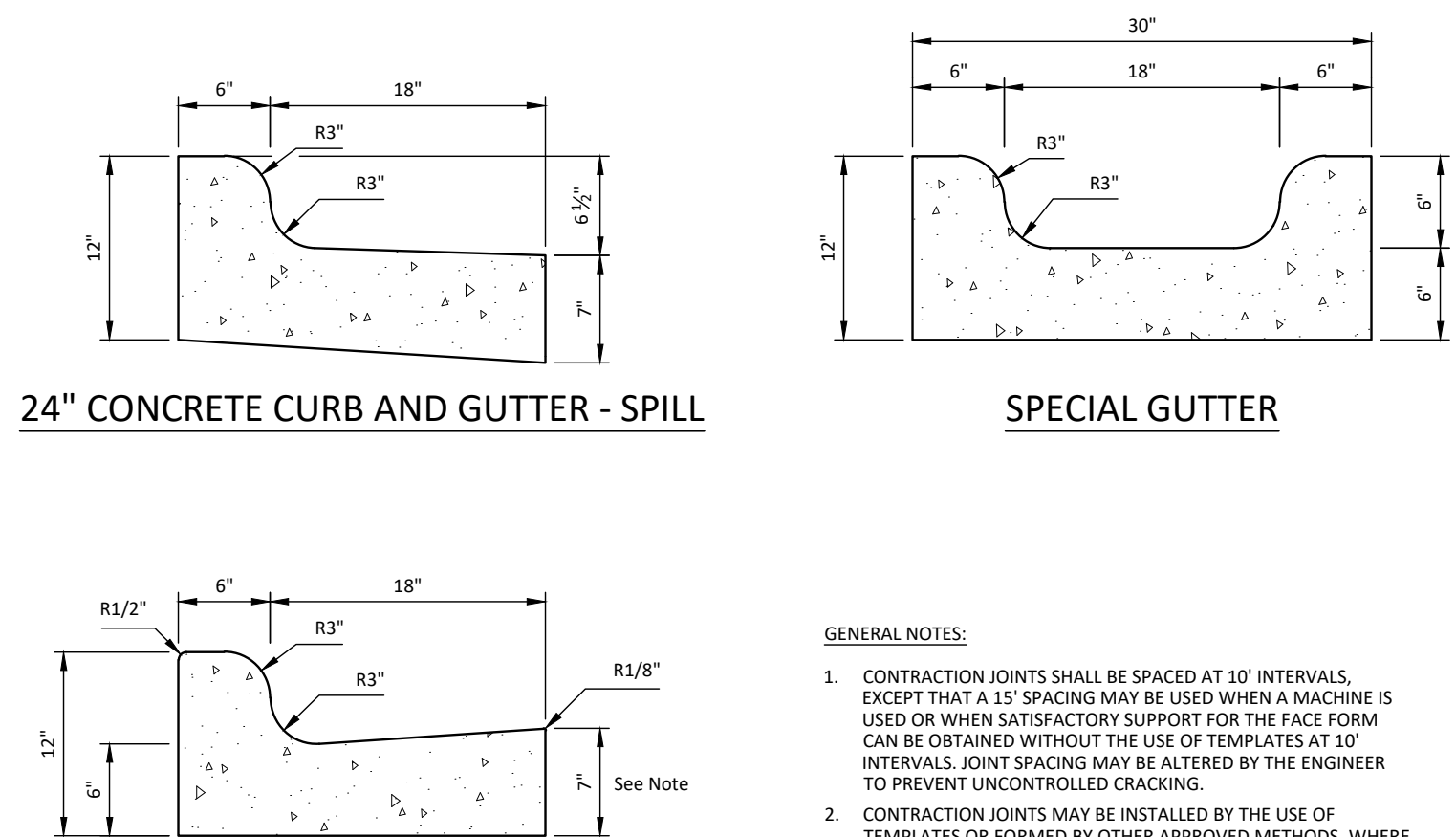


CURB TAPER DETAIL
NOT TO SCALE

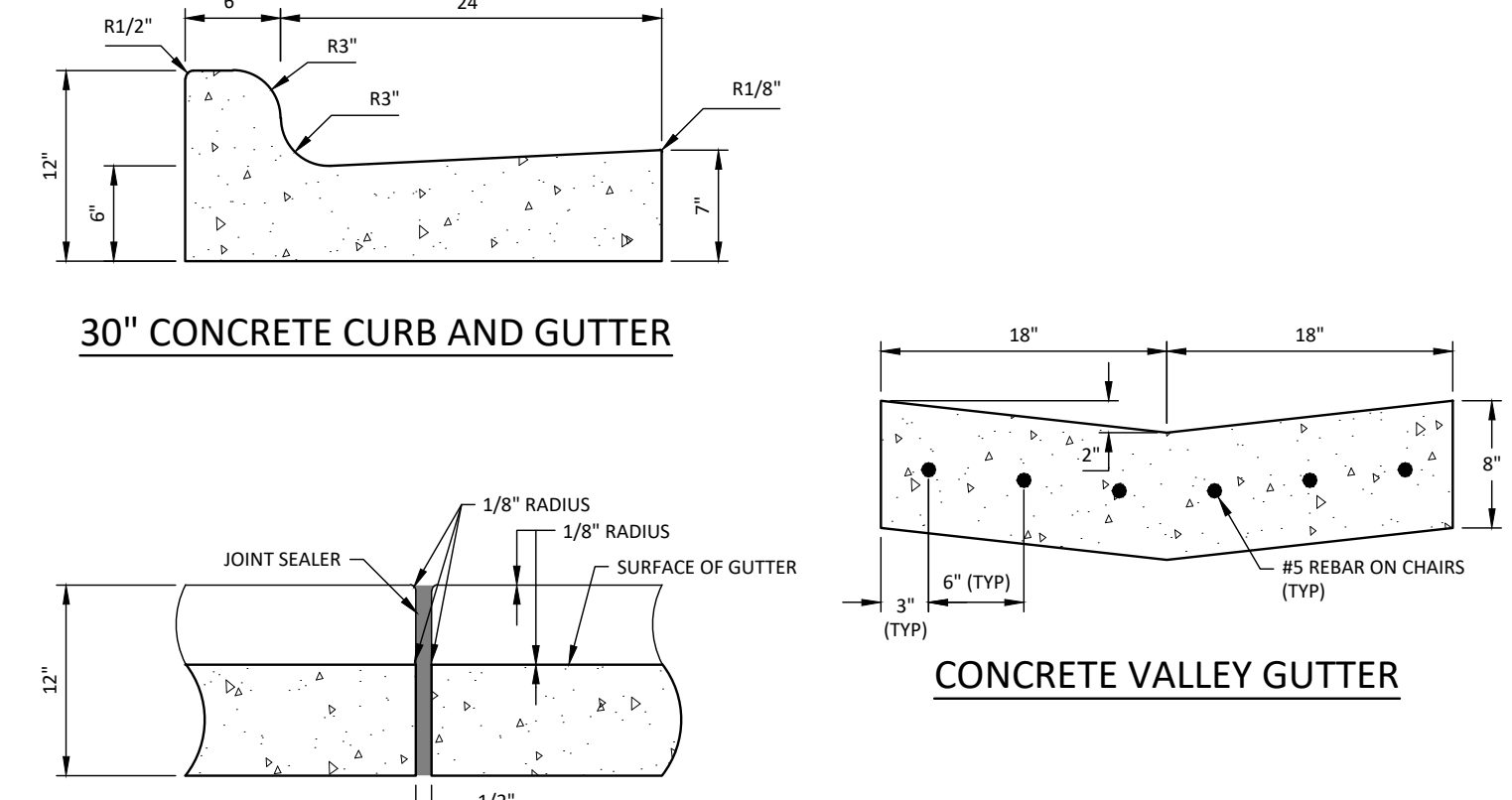


HEAVY DUTY ASPHALT PAVEMENT SECTION
NOT TO SCALE

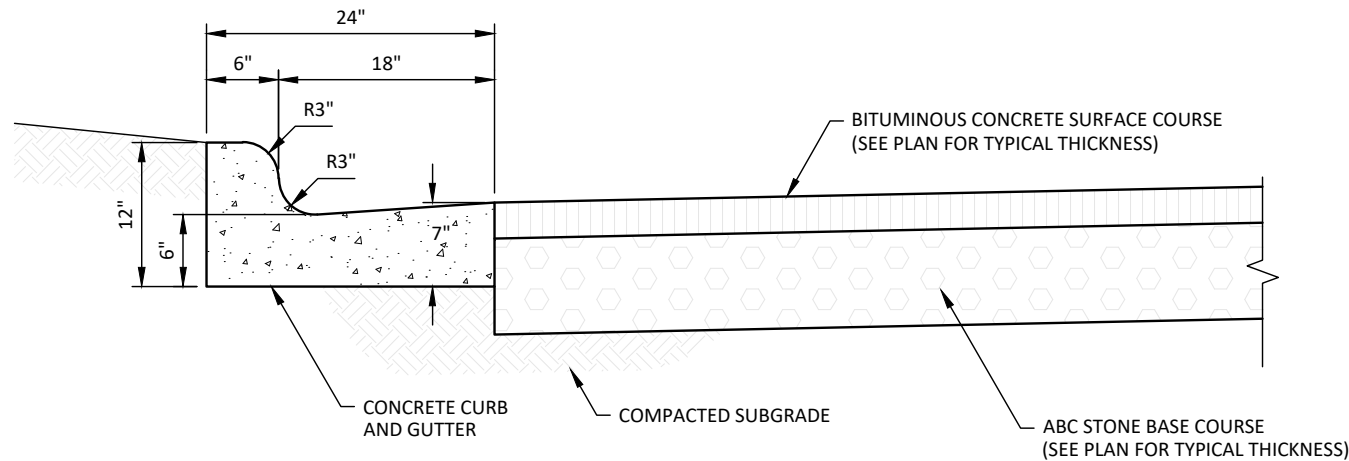
KORNEGAY DESIGN
Larkspur Series LANDSCAPE PLANTERS
TO SPECIFY: Select the product number along with the length below.
Options: • Standard diameter hole, approximately 3/4" • Custom size hole from 1/2" to 1 1/2" • Standard finish
Concrete Color: • Standard finish is available • Additional color finishing available
Finishing: • Standard finish is available • Additional color finishing available
Notes: • Not suitable for decorative use • Not suitable for use in areas with high traffic • Not suitable for use in areas with high traffic



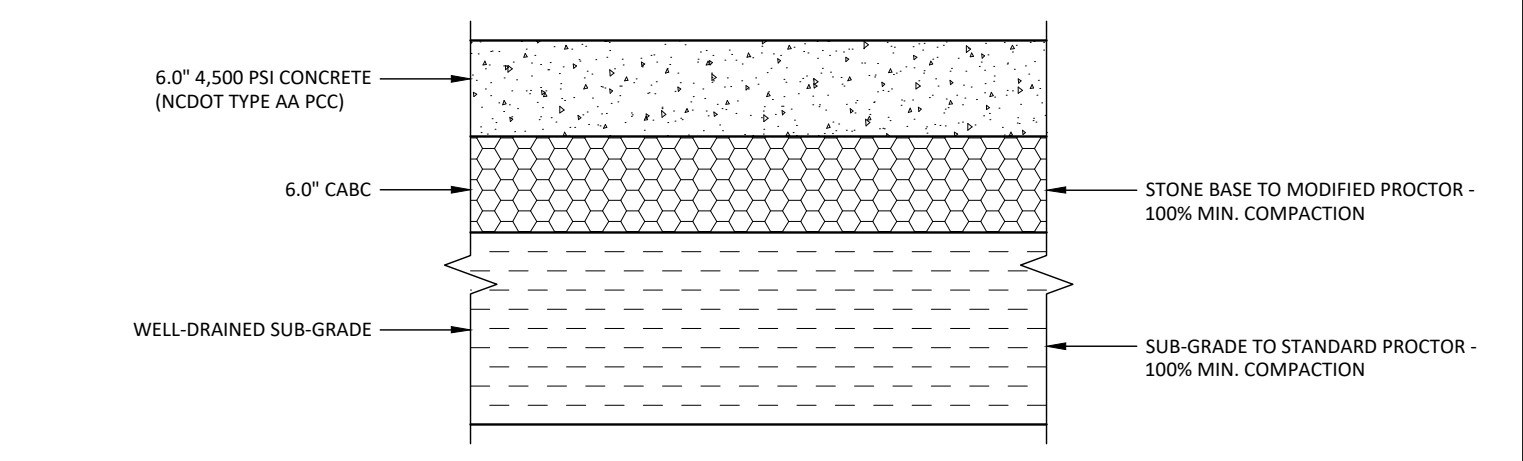
24" CONCRETE CURB AND GUTTER - SPILL
SPECIAL GUTTER
GENERAL NOTES:
1. CONTRACTION JOINTS SHALL BE SPACED AT 10' INTERVALS, EXCEPT THAT A 15' SPACING MAY BE USED WHEN A MACHINE IS USED OR WHEN SATISFACTORY SUPPORT FOR THE FACE FORM CAN BE OBTAINED WITHOUT THE USE OF TEMPLATES AT 10' INTERVALS. JOINT SPACING MAY BE ALTERED BY THE ENGINEER TO PREVENT UNCONTROLLED CRACKING.
2. CONTRACTION JOINTS MAY BE INSTALLED BY THE USE OF TEMPLATES OR FORMED BY OTHER APPROVED METHODS, WHERE SUCH JOINTS ARE NOT FORMED BY TEMPLATES, A MINIMUM DEPTH OF 1 1/2" SHALL BE OBTAINED.
3. ALL CONTRACTION JOINTS SHALL BE FILLED WITH JOINT FILLER.
4. EXPANSION JOINTS SHALL BE SPACED AT 90' INTERVALS, AND ADJACENT TO ALL RIGID OBJECTS.
5. ALL CURBS AND GUTTERS ARE TO BE POURED WITH CLASS "A" CONCRETE (3000 PSI).
6. FLEXIBLE FORMS ARE TO BE USED WHEN RADII IS LESS THAN 200.



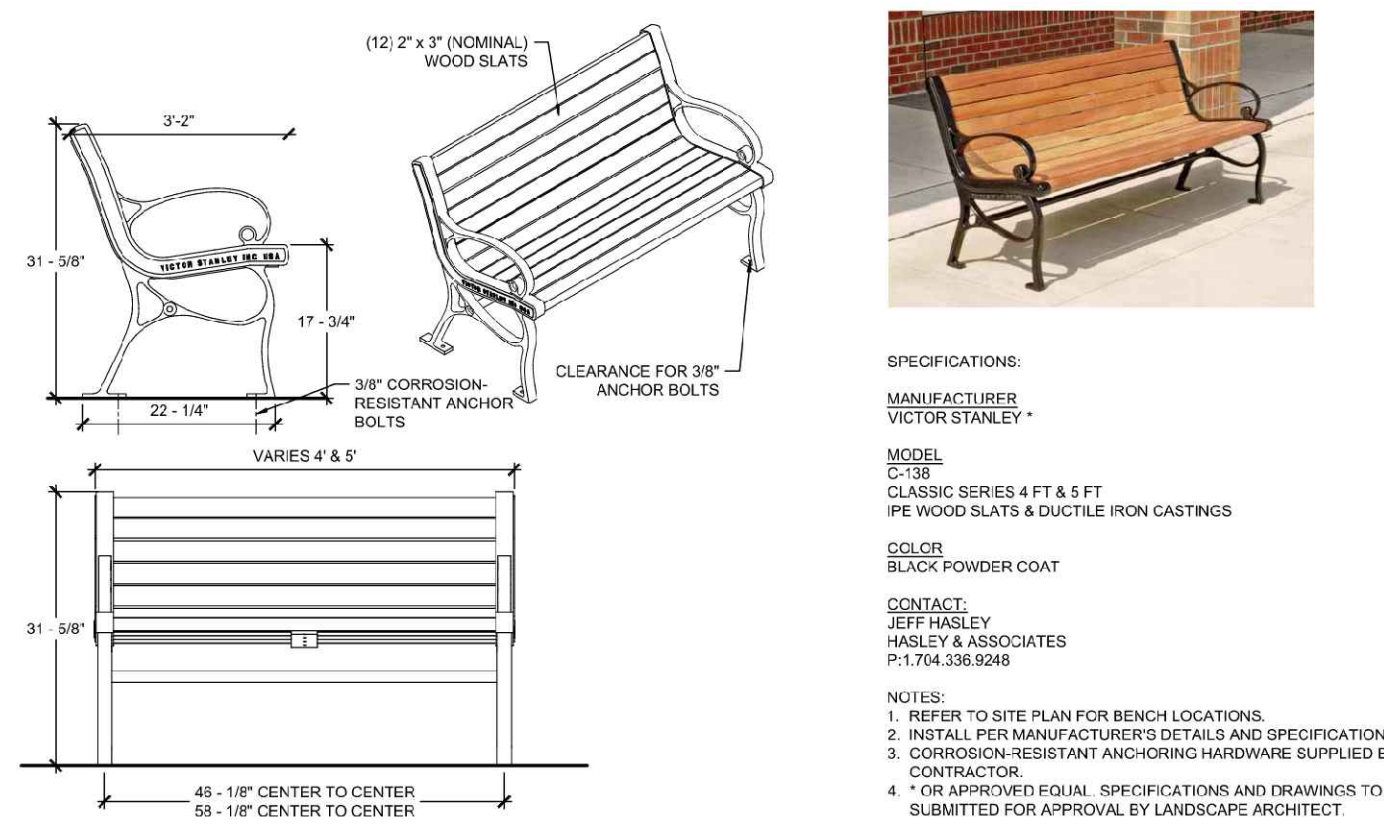
24" CONCRETE CURB AND GUTTER
30" CONCRETE CURB AND GUTTER
CONCRETE VALLEY GUTTER
NOT TO SCALE



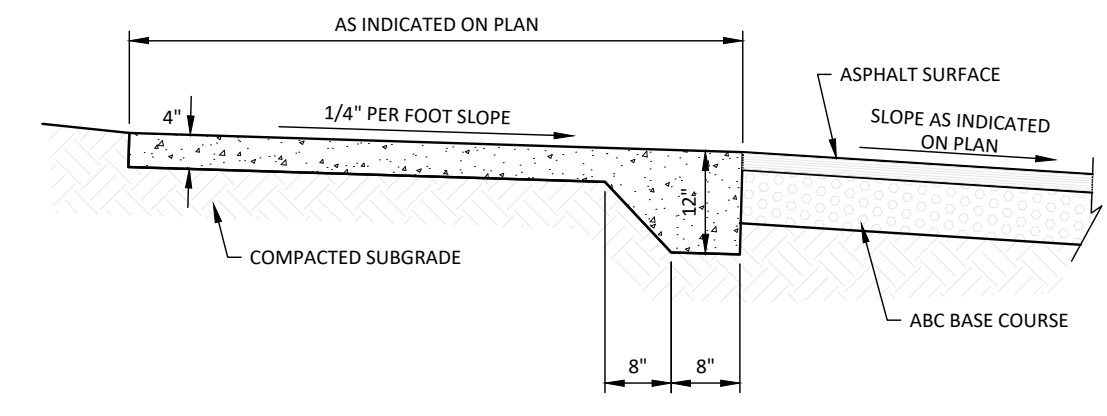
CURB AND GUTTER AND PAVEMENT DETAIL
NOT TO SCALE



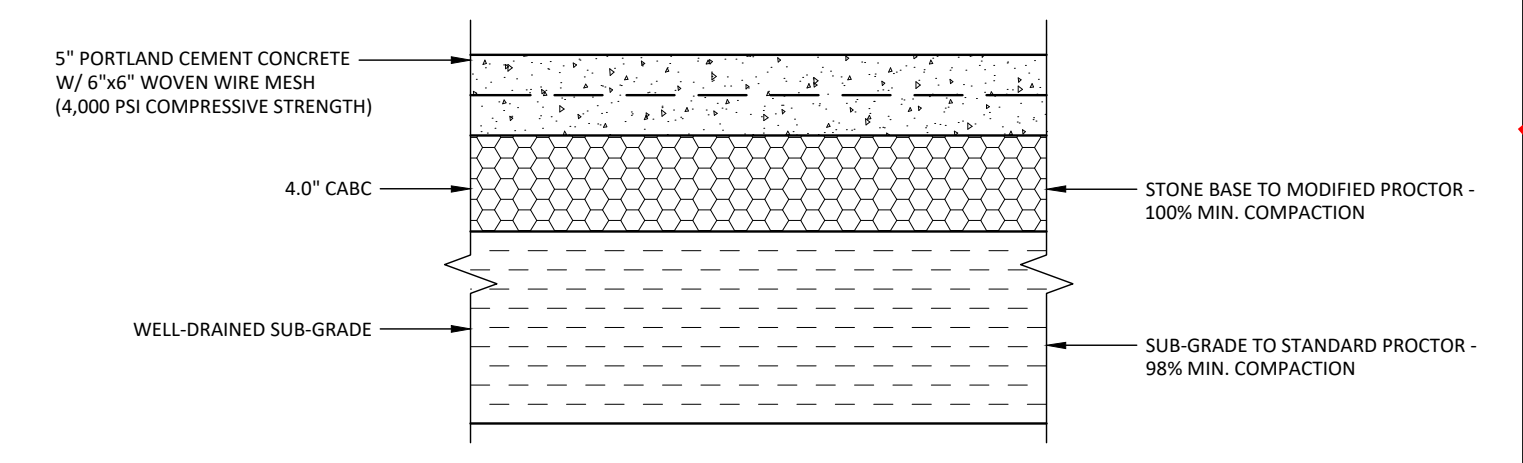
CONCRETE PAVEMENT SECTION
NOT TO SCALE



BENCH DETAIL
NOT TO SCALE



THICKENED EDGE CONCRETE WALK
NOT TO SCALE



CONCRETE PAVEMENT SECTION FOR USE IN ACCESSIBLE PARKING STALLS
NOT TO SCALE

- Final Drawing -
Issued for Permit
Review Purposes Only

REVISIONS:

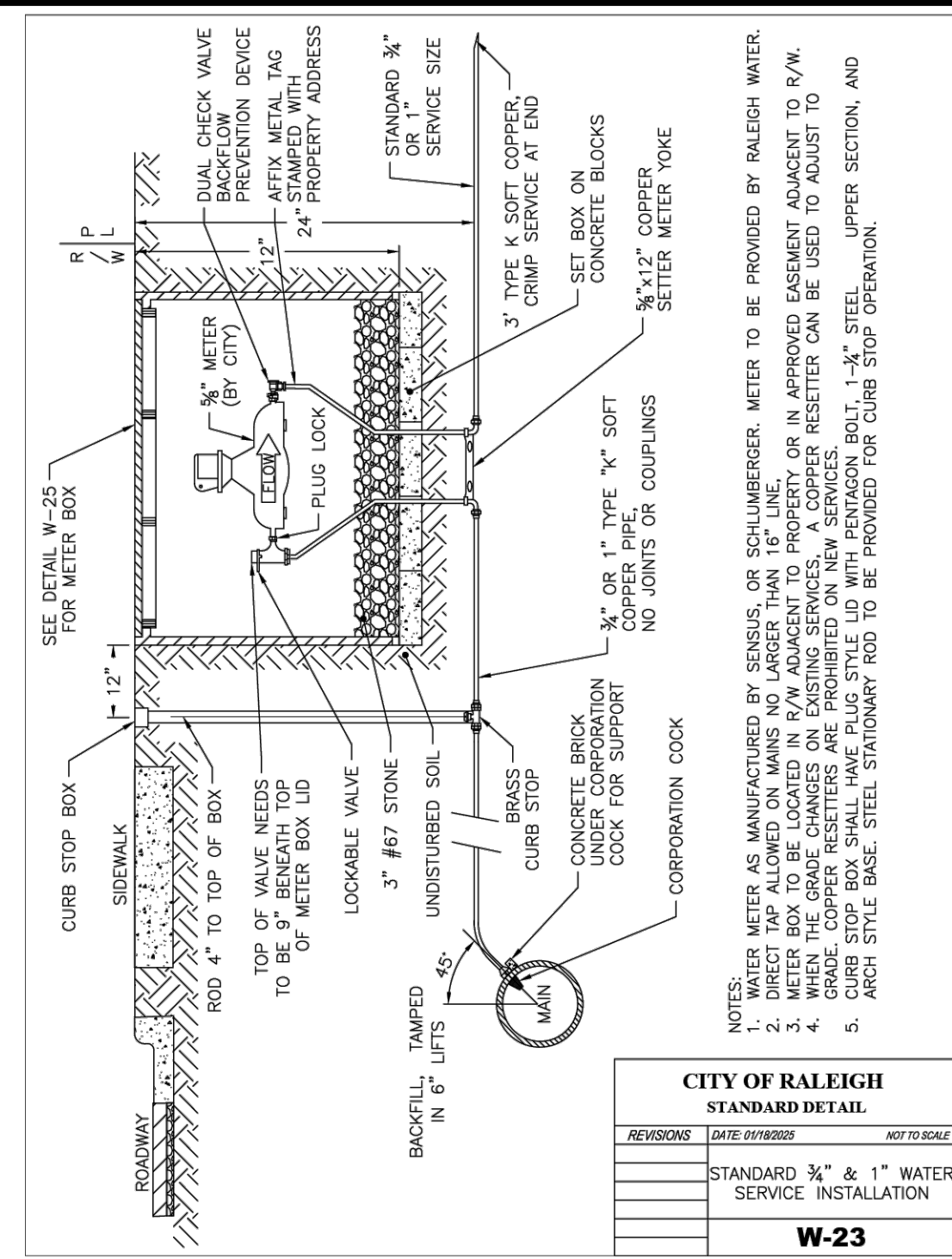


MISC. DETAILS
CHAPEL HILL TIRE AT WALLBROOK
Town of Rolesville Project No. SDP 26-xxxx
Wake Forest Township, Town of Rolesville, Wake County, North Carolina

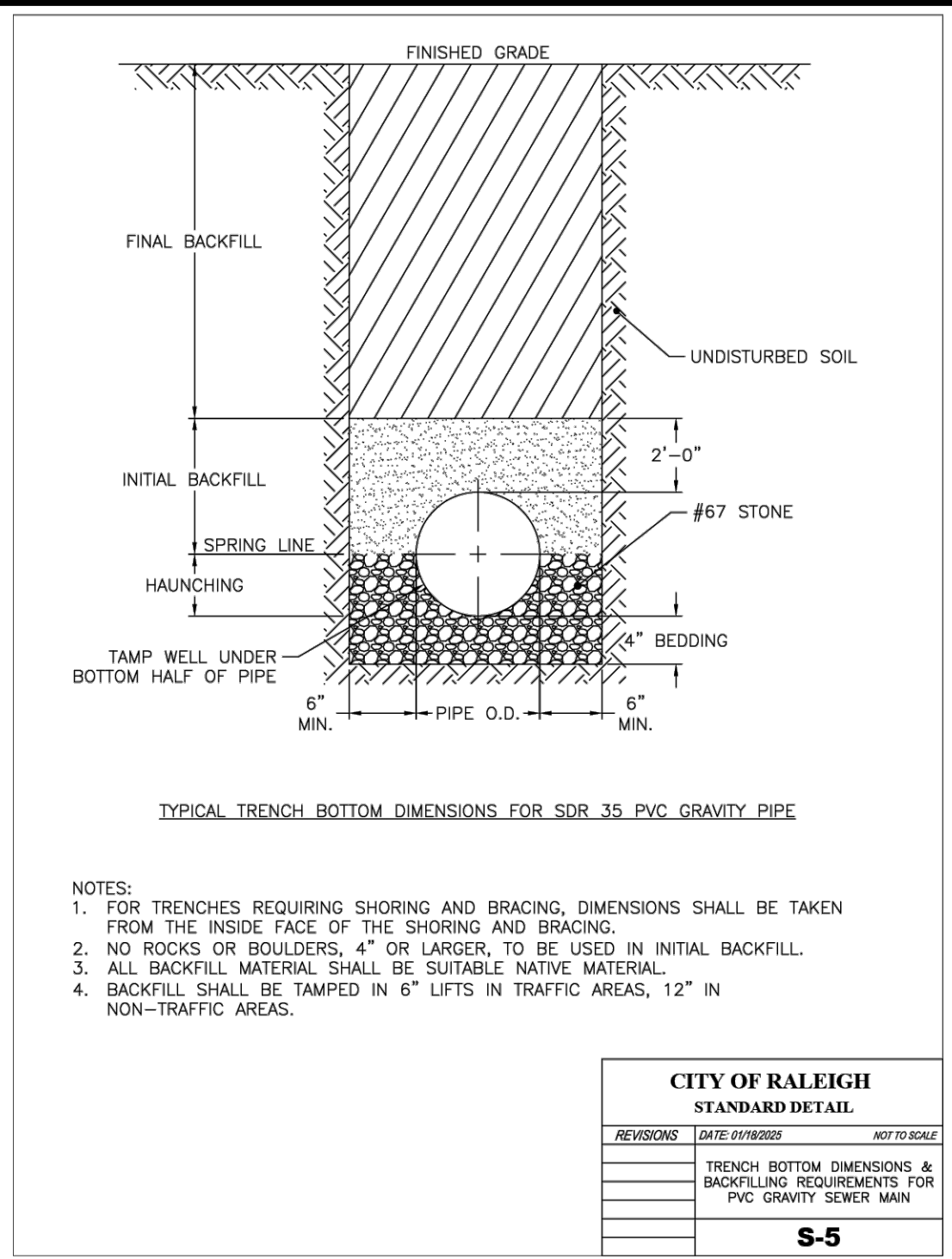
ARK CONSULTING GROUP PLLC
ENGINEERS & SURVEYORS
925-A Conference Dr.
Charlotte, NC 28202
(754) 558-8888
www.arkconsultinggroup.com

Project Manager: BCF
Drawn By: DLC
Checked By: BCF
Project Number: 26012
Drawing Number: D-1652

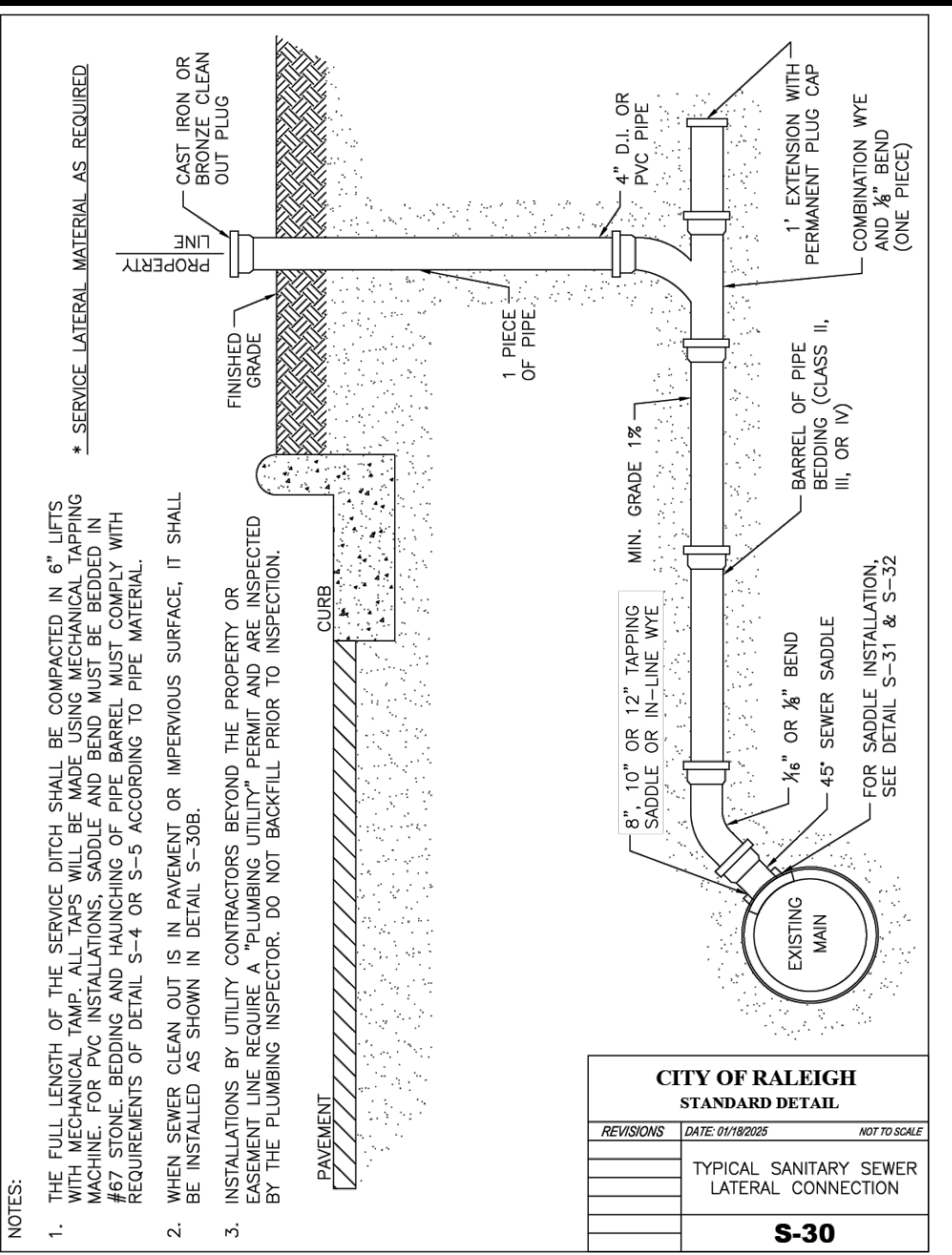
C6.1
Date: May 31, 2026



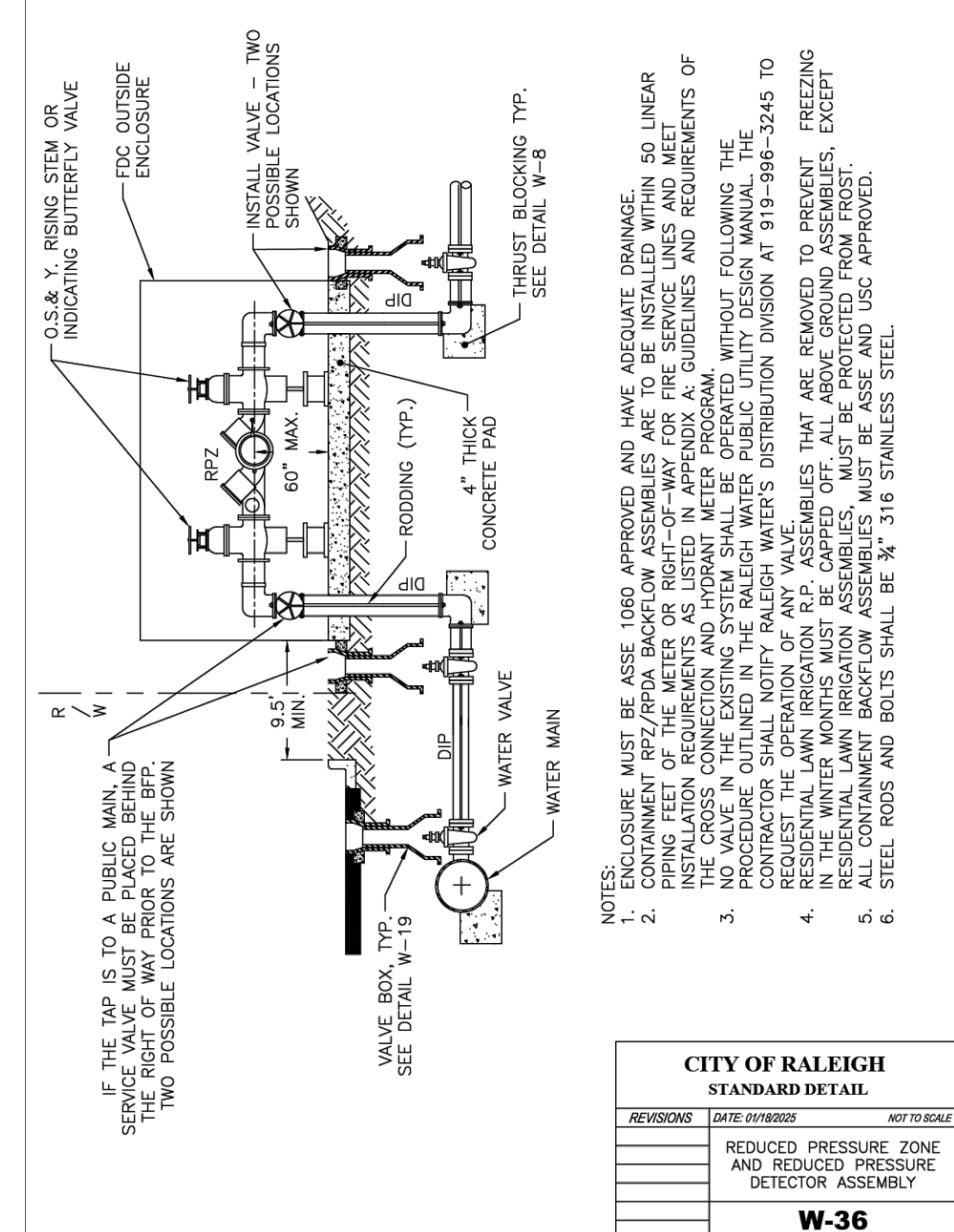
CITY OF RALEIGH
STANDARD DETAIL
DATE: 09/19/2008
WATER METER
W-23



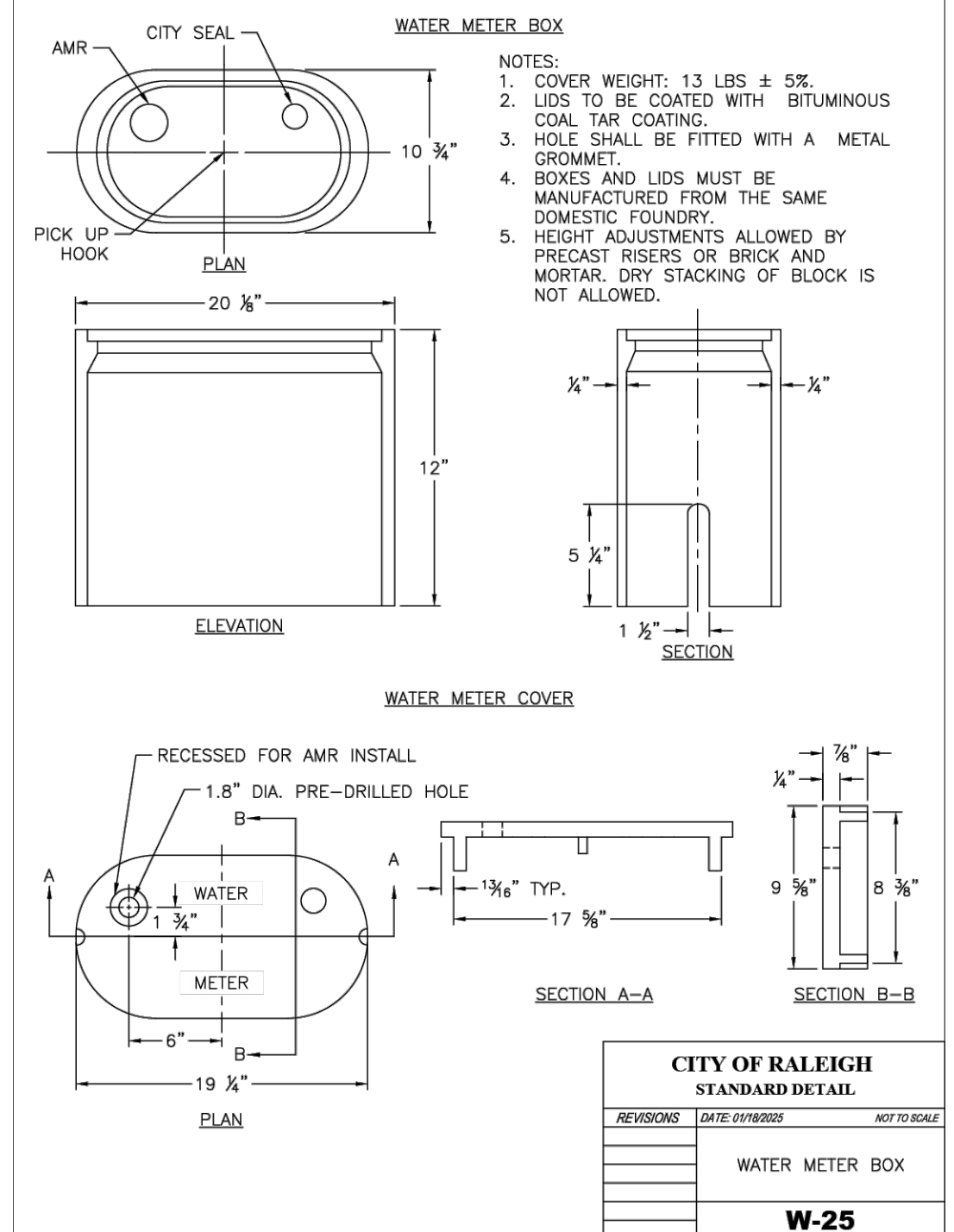
CITY OF RALEIGH
STANDARD DETAIL
DATE: 09/19/2008
TRENCH DIMENSIONS & BACKFILL REQUIREMENTS FOR PVC GRAVITY SEWER MAIN
S-5



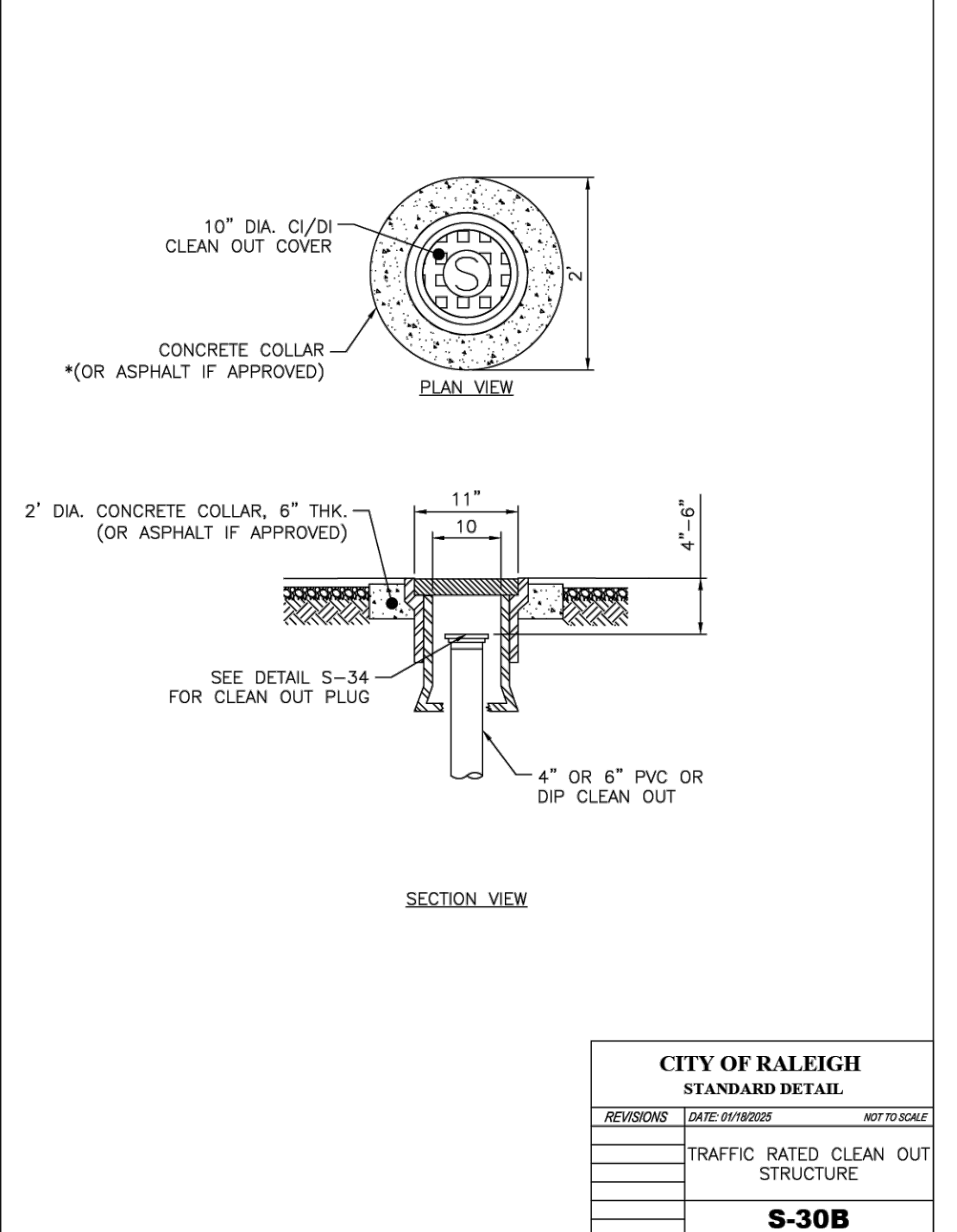
CITY OF RALEIGH
STANDARD DETAIL
DATE: 09/19/2008
TYPICAL SANITARY SEWER LATERAL CONNECTION
S-30



CITY OF RALEIGH
STANDARD DETAIL
DATE: 09/19/2008
REDUCED PRESSURE ZONE AND REDUCED PRESSURE DETECTOR ASSEMBLY
W-36



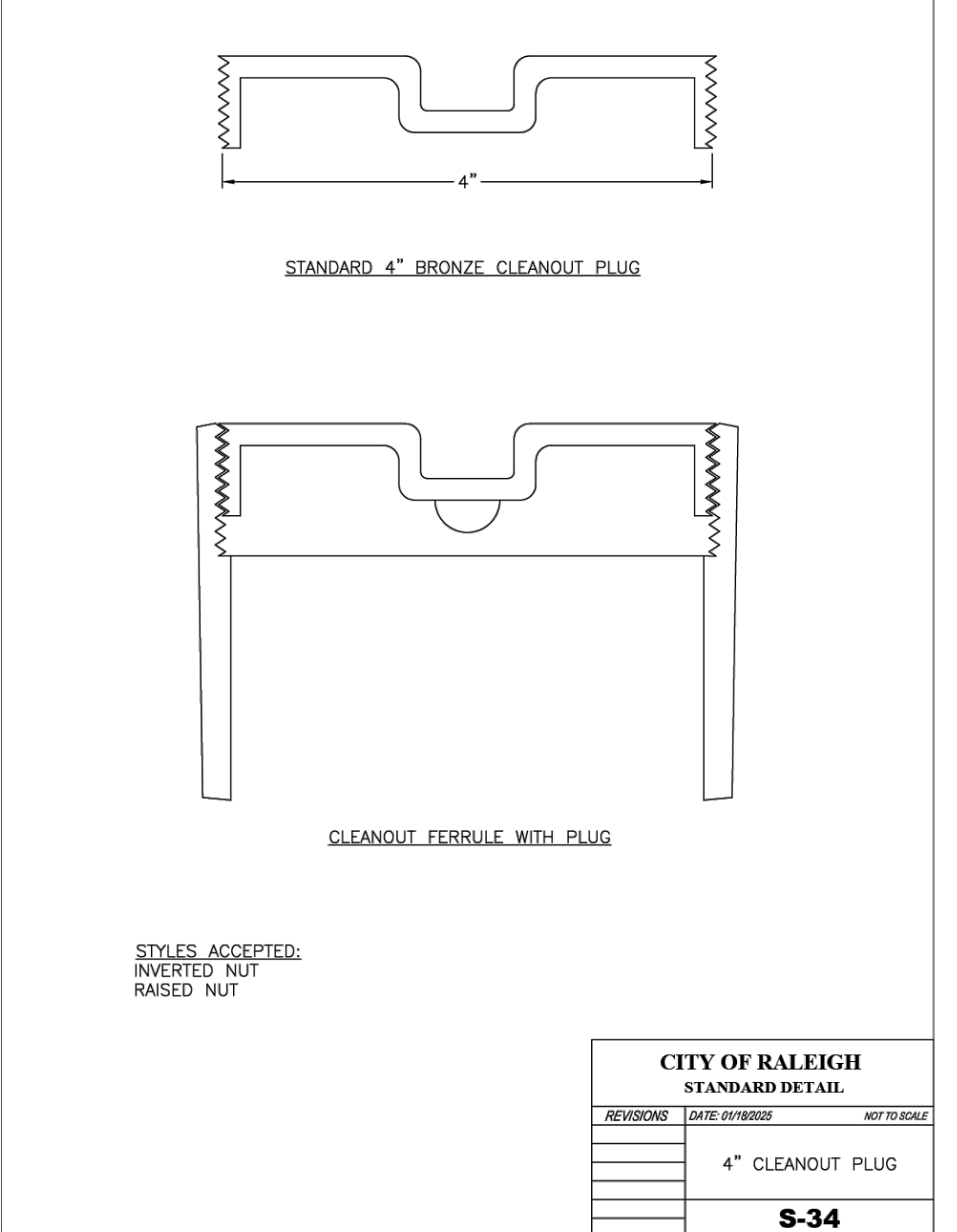
CITY OF RALEIGH
STANDARD DETAIL
DATE: 09/19/2008
WATER METER BOX
W-25



CITY OF RALEIGH
STANDARD DETAIL
DATE: 09/19/2008
TRAFFIC RATED CLEAN OUT STRUCTURE
S-30B



CITY OF RALEIGH
STANDARD DETAIL
DATE: 09/19/2008
FIRE, DOMESTIC & IRRIGATION OPTIONS SCHEMATIC
W-34



CITY OF RALEIGH
STANDARD DETAIL
DATE: 09/19/2008
4\"/>

- Final Drawing -
Issued for Permit
Review Purposes Only

MISC. DETAILS
CHAPEL HILL TIRE AT WALLBROOK
Town of Rolesville Project No. SDP 26-xxxx
Wake Forest Township, Town of Rolesville, Wake County, North Carolina

ARK CONSULTING GROUP PLLC
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Professional Engineer Seal
NORTH CAROLINA
Professional Engineer
No. 18000
Date: 01/21/2026

Project Manager: BCF
Drawn By: DLC
Checked By: BCF
Project Number: 26012
Drawing Number: D-1652

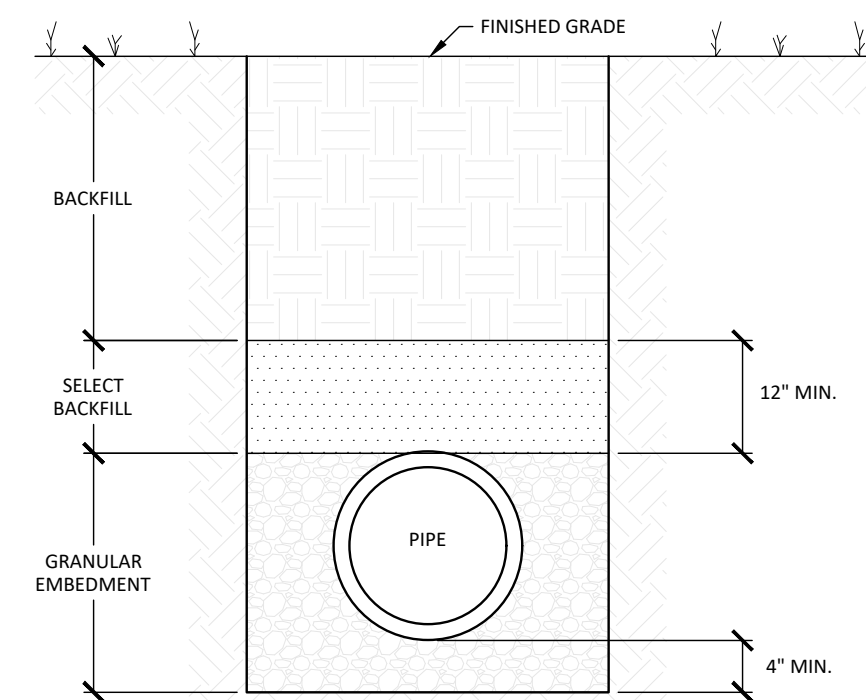
C6.2
Date: May 31, 2026

ATTENTION CONTRACTORS

The Contractor responsible for the extension of water, sewer, and/or road, as approved in these plans, is responsible for contacting the Raleigh Water Inspector at 919-996-3245 or <https://cityworks.raleighnc.gov/contractors> and schedule a Pre-construction meeting prior to beginning any construction. Raleigh Water must be contacted at (919) 996-4540 at least twenty-four hours prior to beginning any work activity around critical water and sewer infrastructure.

Failure to notify City Departments in advance of beginning construction, will result in the issuance of monetary fines, and require re-installation of any water or sewer facilities not inspected as a result of this notification failure.

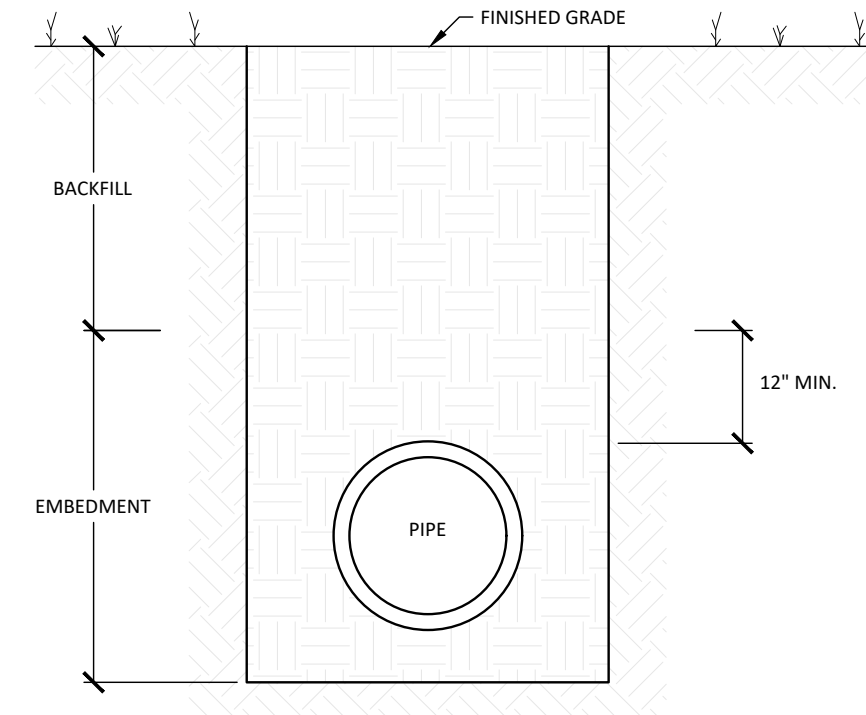
Failure to call for inspection, install a downstream plug, have permitted plans on the jobsite, or any other violation of Raleigh Water Standards will result in a fine and possible exclusion from future work in the City of Raleigh.



CLASS 'D'

TRENCH SECTION DETAIL FOR THE INSTALLATION OF PVC GRAVITY STORM DRAIN & SANITARY SEWER PIPING

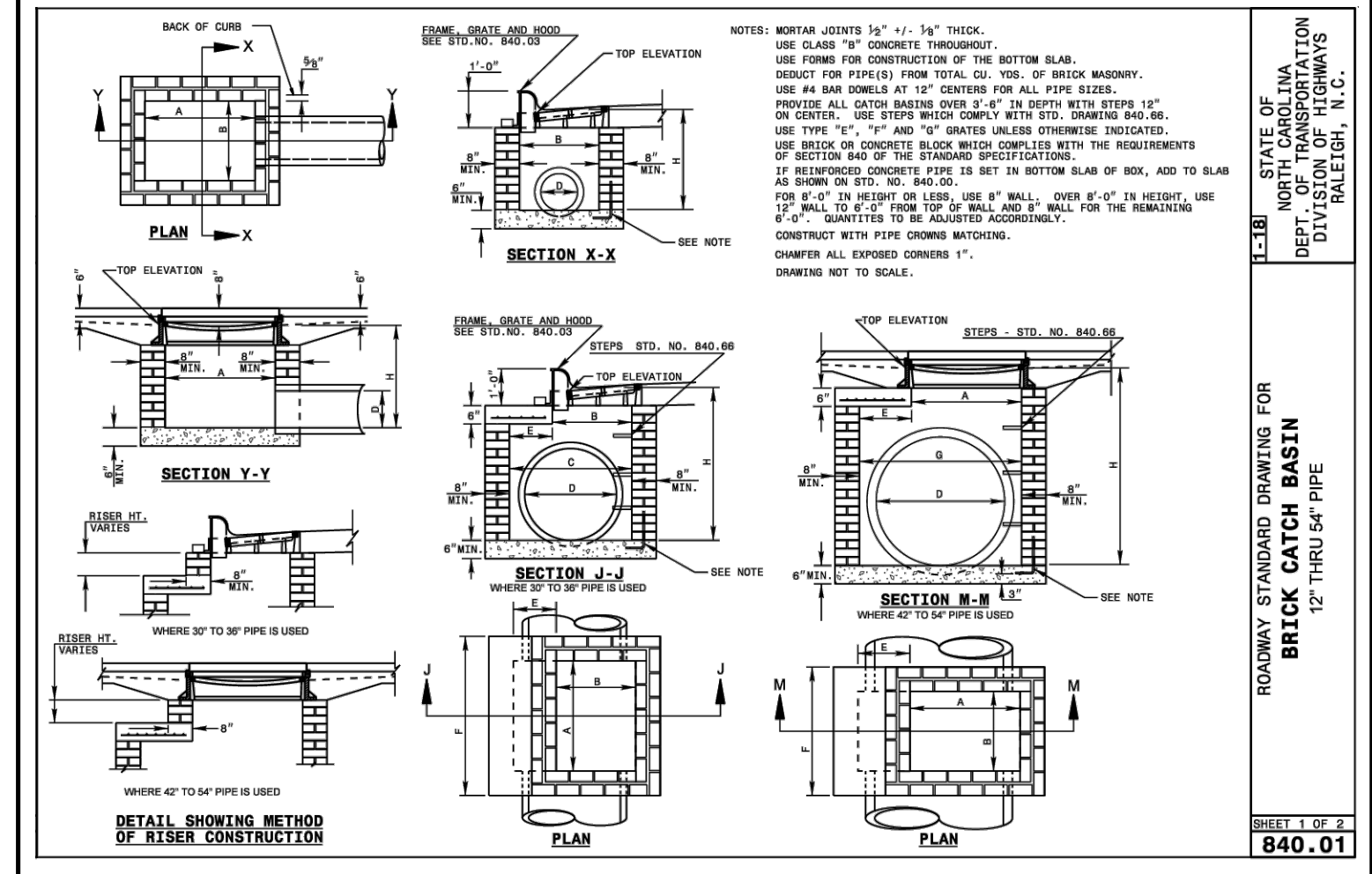
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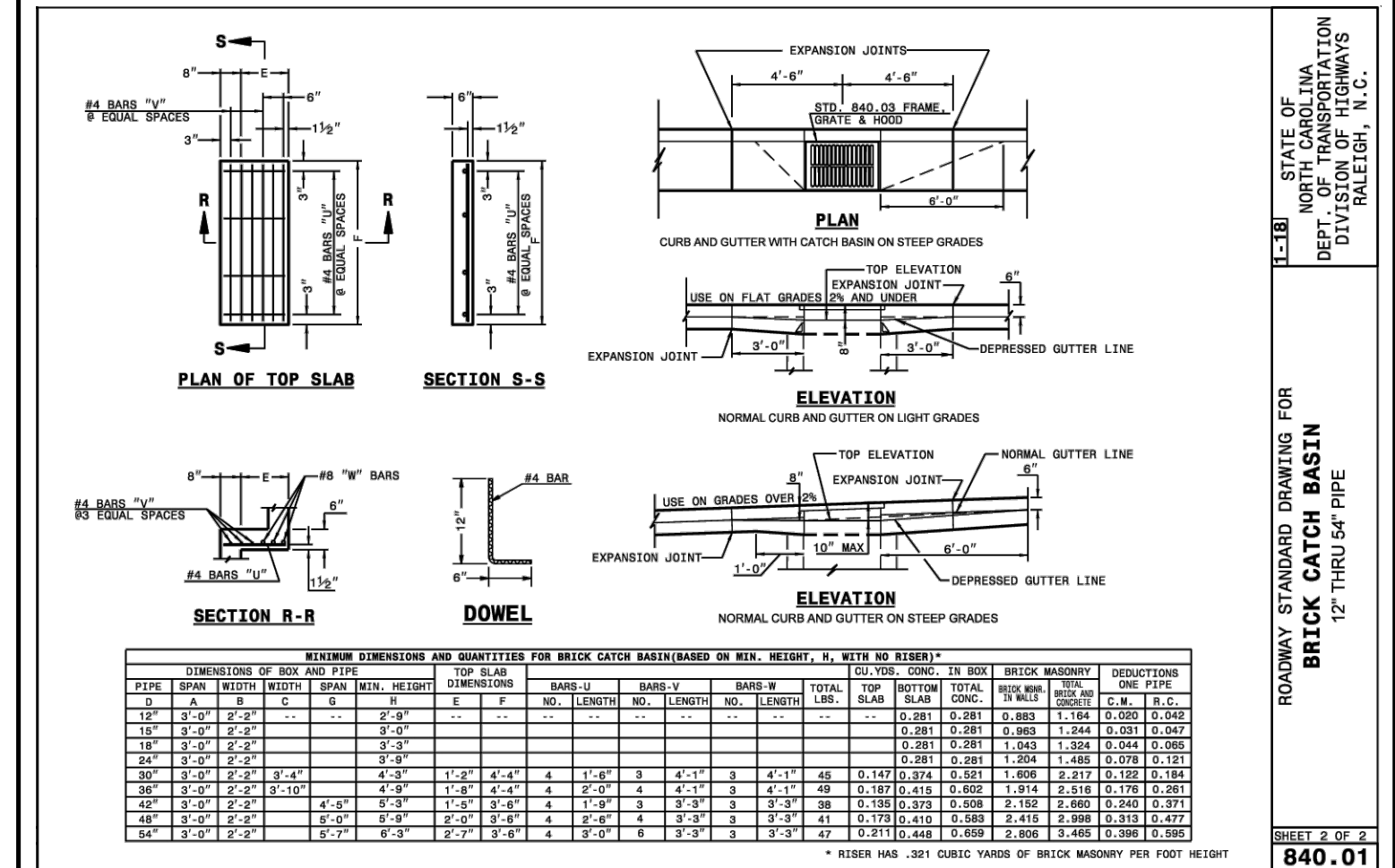
CLASS 'F'

TRENCH SECTION FOR THE INSTALLATION OF REINFORCED CONCRETE PIPE

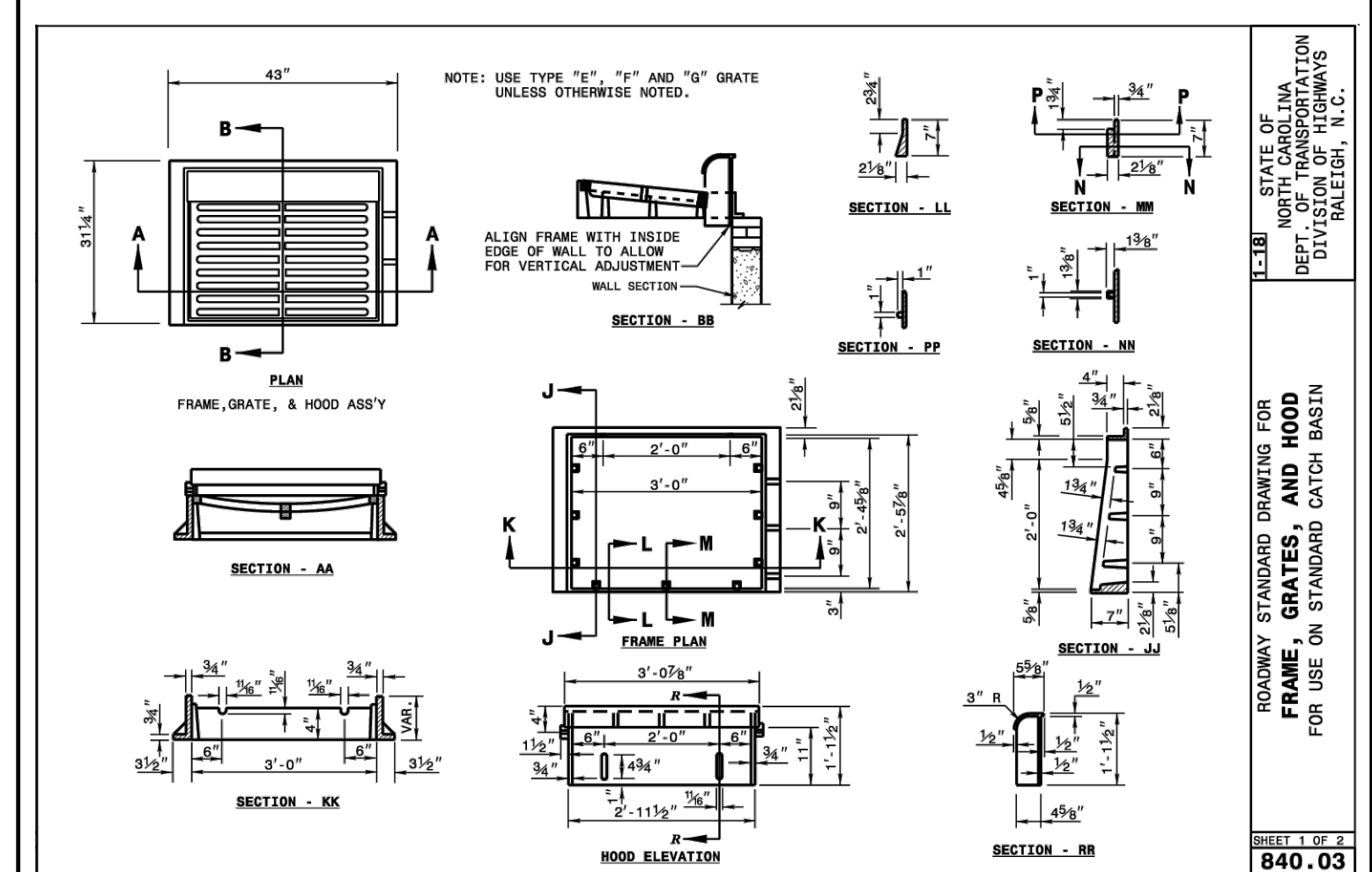
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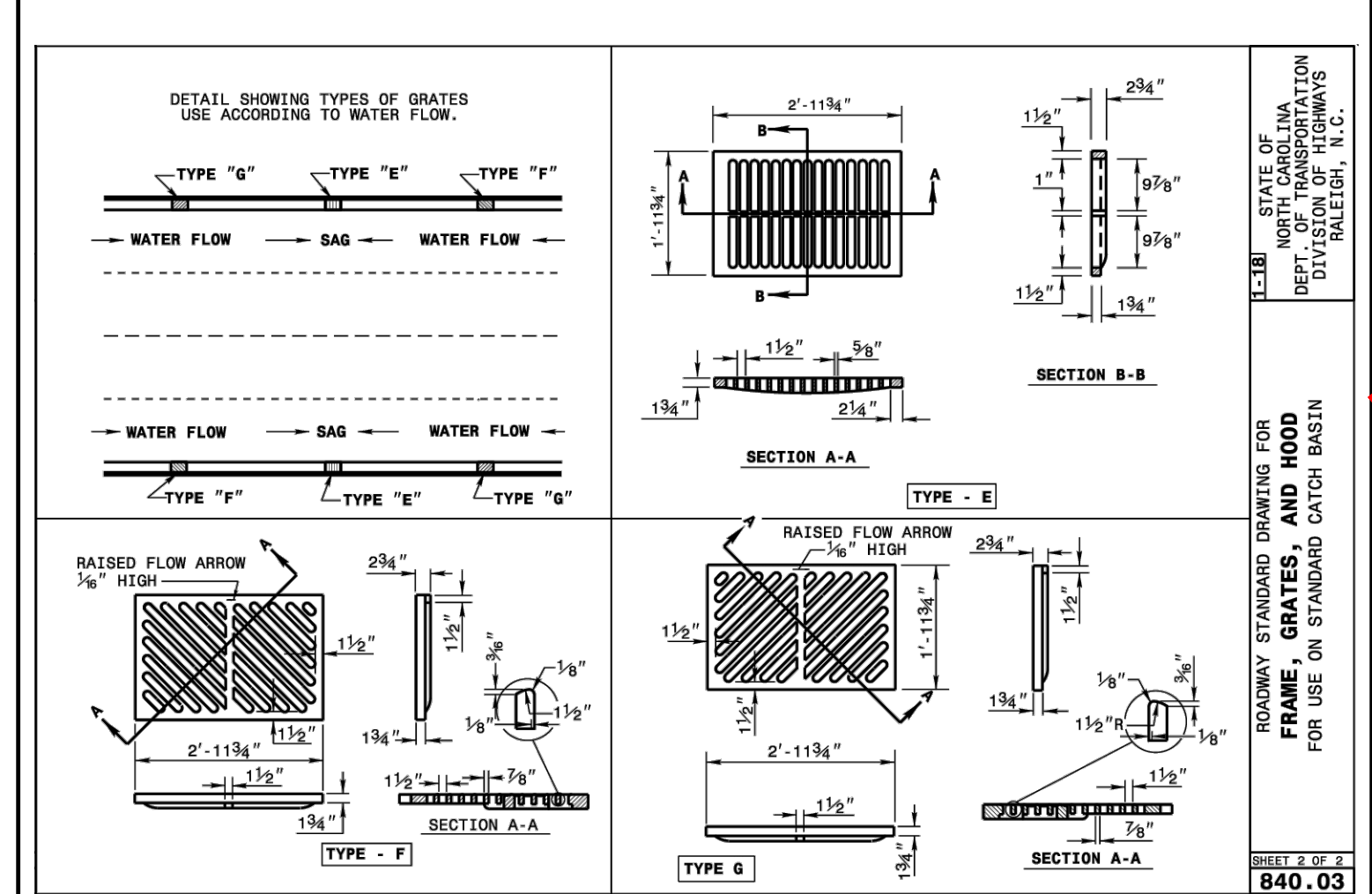
ROADWAY STANDARD DRAWING FOR BRICK CATCH BASIN 12" THROUGH 36" PIPE
SHEET 1 OF 2
840.01



ROADWAY STANDARD DRAWING FOR BRICK CATCH BASIN 12" THROUGH 36" PIPE
SHEET 2 OF 2
840.01



ROADWAY STANDARD DRAWING FOR FRAME, GRATES, AND HOOD FOR USE ON STANDARD CATCH BASIN
SHEET 1 OF 2
840.03



ROADWAY STANDARD DRAWING FOR FRAME, GRATES, AND HOOD FOR USE ON STANDARD CATCH BASIN
SHEET 2 OF 2
840.03

- Final Drawing -
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REVISIONS:



CHAPEL HILL TIRE AT WALLBROOK
Town of Rolesville Project No. SDP 26-xxxx
Wake Forest Township, Town of Rolesville, Wake County, North Carolina

ARK CONSULTING GROUP, PLLC
ENGINEERS & SURVEYORS
925-A Conference Dr.
Raleigh, NC 27606
(919) 876-7856
www.arkconsultinggroup.com

Final Drawing
Issued for Permit Review Purposes Only

Project Manager: BCF
Drawn By: DLC
Checked By: BCF
Project Number: 26012
Drawing Number: D-1652

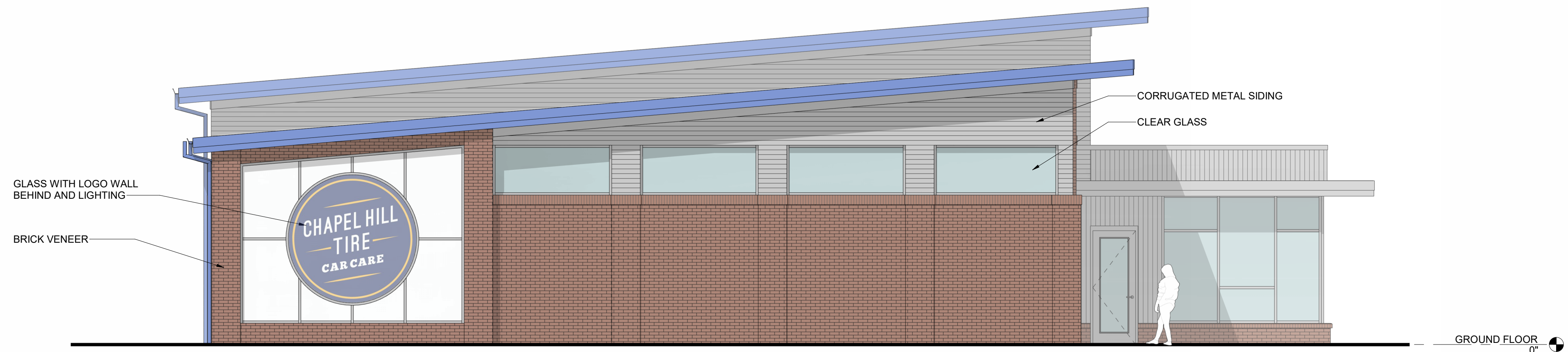
C6.3

Date: May 31, 2026

Not For
Construction

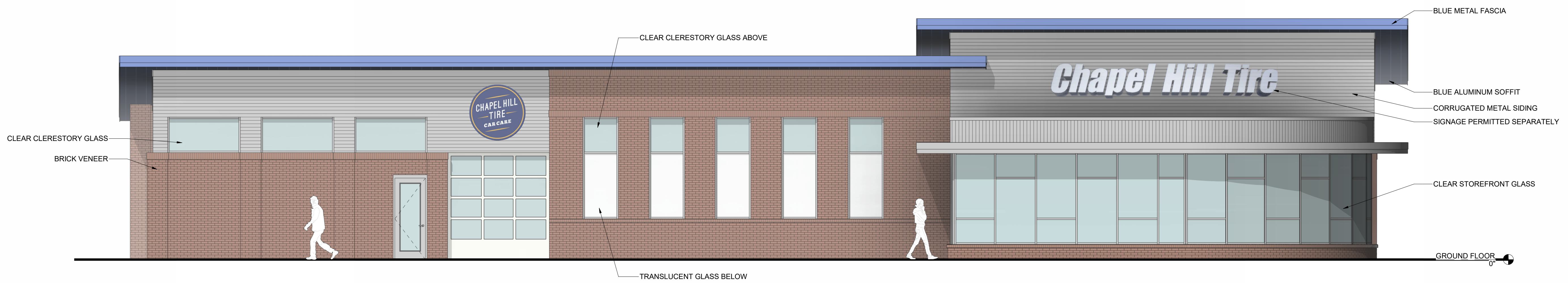
REVISION SCHEDULE

REV DATE	REV #	REVISION DESCRIPTION



TRANSPARENCY CALCULATIONS
- OVERALL FACADE AREA: 976 SF
- GLASS AREA: 303 SF
TRANSPARENCY REQ'D: 30%
TRANSPARENCY PROVIDED: 31%

2 SIDE ELEVATION (PUBLIC ST. FACING)
A201 SCALE: 3/16" = 1'-0"



TRANSPARENCY CALCULATIONS
- OVERALL FACADE AREA: 2,392 SF
- GLASS AREA: 724 SF
TRANSPARENCY REQ'D: 30%
TRANSPARENCY PROVIDED: 30%

1 FRONT ELEVATION (PRIVATE ST. FACING)
A201 SCALE: 3/16" = 1'-0"

THE DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS PREPARED BY THE ARCHITECT FOR THIS PROJECT ARE INSTRUMENTS OF THE ARCHITECT'S SERVICE FOR USE SOLELY WITH RESPECT TO THIS PROJECT AND UNLESS OTHERWISE PROVIDED, THE ARCHITECT SHALL BE DEEMED THE AUTHOR OF THESE DOCUMENTS AND SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT. THE ARCHITECT'S DRAWINGS, SPECIFICATIONS OR OTHER DOCUMENTS SHALL NOT BE USED FOR OTHER PROJECTS OR ADDITIONS TO THIS PROJECT EXCEPT BY AGREEMENT IN WRITING BY THE ARCHITECT.

CHapel Hill TIRE
ROLESVILLE, NC
SITE PLAN APPROVAL

PROJECT NUMBER 8467

SHEET TITLE

EXTERIOR ELEVATIONS

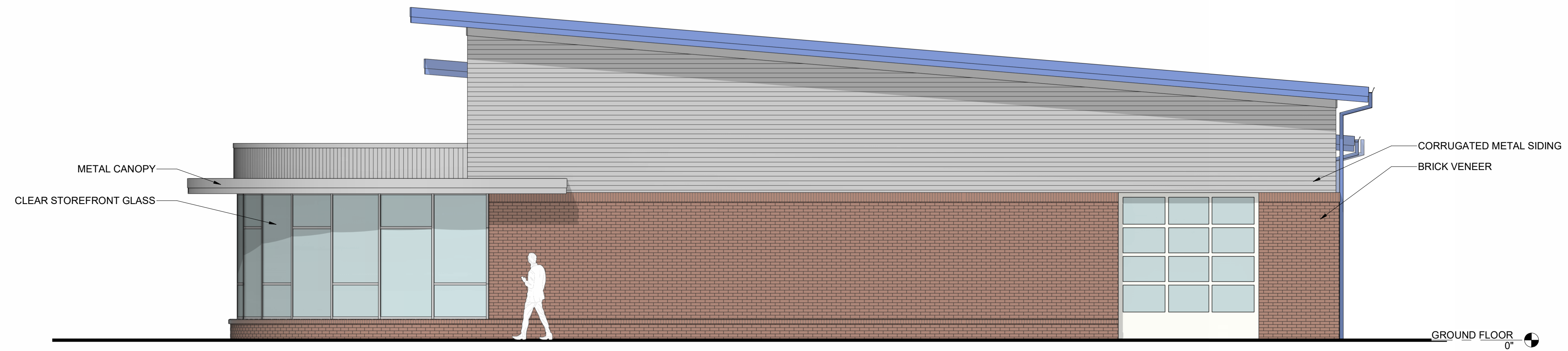
SHEET NUMBER

A201

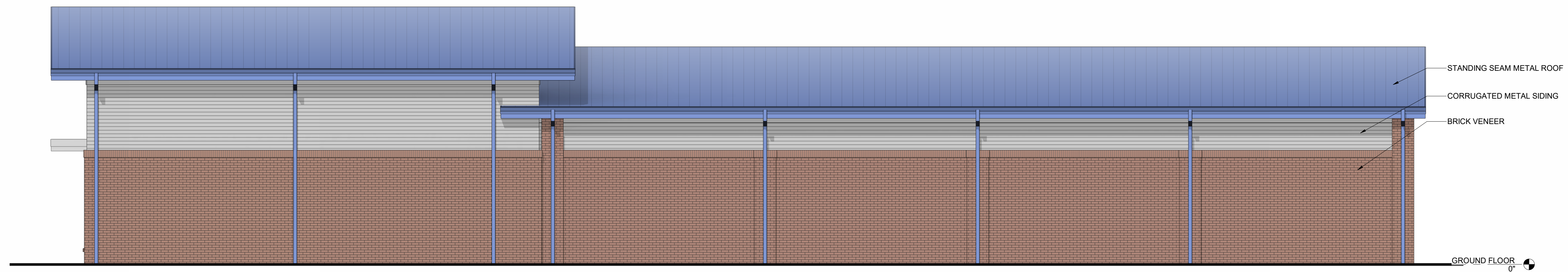
Not For Construction

REVISION SCHEDULE

REV DATE	REV #	REVISION DESCRIPTION



2 SIDE ELEVATION
A202 SCALE: 3/16" = 1'-0"



1 BACK ELEVATION
A202 SCALE: 3/16" = 1'-0"

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CHAPEL HILL TIRE
ROLESVILLE, NC
SITE PLAN APPROVAL

PROJECT NUMBER 8467

SHEET TITLE

EXTERIOR ELEVATIONS

SHEET NUMBER

A202