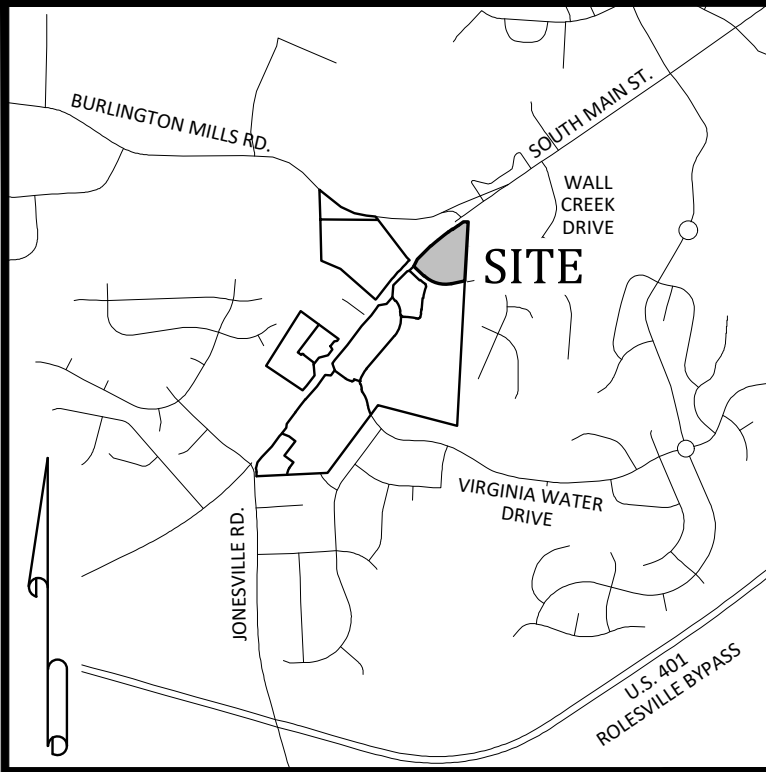


CHAPEL HILL TIRE AT WALLBROOK

SITE DEVELOPMENT PLAN - SDP 26-0006
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 "X", 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 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 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 ONSITE 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 TEST 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, 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 PLAT" PR 21-04 REV FOR OPEN SPACE CALCULATIONS AND REQUIREMENTS FOR THE WALLBROOK DEVELOPMENT.

ATTENTION CONTRACTORS

The Contractor responsible for the extension of water, sewer, and/or reuse, as approved in these plans, is responsible for contacting the Raleigh Water Inspector at 919-996-3245 or <https://cityworks.raleighnc.gov/pucontractors> 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.

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 (Site)	n/a	-	-
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)			

Engineer

Ark Consulting Group, PLLC
925-A Conference Drive
Greenville, NC 27658
(252) 558-0888

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

Owner

FH-HOF-ROLESVILLE, LLC
1122 Oberlin Rd, Ste 218
Raleigh, NC 27605

Contact: Jimmy Politis
jimmy@hofcarwash.com

Developer

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

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

RALEIGH WATER

MRCP-0084-2026

EROSION CONTROL, STORMWATER AND FLOODPLAIN MANAGEMENT

APPROVED
EROSION CONTROL ☒ SWF:173097-2026
STORMWATER MGMT. ☒ SWF:173096-2026
FLOOD STUDY ☐
DATE _____
INVESTIGATIONAL CONSULTANT SIGNATURE _____

Town of Rolesville Development Applications

ANX 23-03	ANNEXATION
MA 21-09	REZONING
PR 21-04 REV	PRELIMINARY SUBDIVISION PLAT (REVISED)
FSP 23-09	INTERMEDIATE SUBDIVISION PLAT
PSP 24-06	PRELIMINARY SUBDIVISION PLAT (LOT 8)
FSP 25-11	FINAL PLAT (LOT 8A/8B)
SDP 25-01	SITE DEVELOPMENT PLAN (HALL OF FAME CAR WASH)
SDP 26-0006	LOT 8B SITE DEVELOPMENT PLAN (CURRENT APPLICATION)

TOWN OF ROLESVILLE

SDP-26-0006

Site Data

WAKE COUNTY PIN:	1758-67-2944
REAL ESTATE ID:	0509438
CURRENT ZONING:	GC-CZ
TOTAL ACREAGE IN SITE:	2.40 AC (LOT 8B)
TOTAL ACREAGE IN PROJECT LIMITS:	1.53 AC
DISTURBED ACREAGE:	1.53 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:	33,060 SF
TOTAL SQ. FEET OF IMPERVIOUS AREA:	33,060 SF (0.76 AC)
MAXIMUM PERMITTED IMPERVIOUS AREA:	1.11 AC (48,352 SF+)
DEVELOPMENT STANDARDS:	LDO
REFERENCES:	DB 19845, PG 1077 BM 2025, PG 986 BM 2025, PG 987 BM 2025, PG 988

ADDRESS: 633 S. MAIN STREET

Parking Requirements:

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

Pedestrian Amentiy 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

Sheet Index

#	Title	ISSUED	REVISED						
C0.1	Cover	☐	☒						
C0.2	Existing Conditions & Demolition Plan	☐	☒						
C1.0	Erosion Control Notes	☐	☒						
C1.1	Erosion Control Plan - Phase 1	☐	☒						
C1.2	Erosion Control Plan - Phase 2	☐	☒						
C1.3	Erosion Control Details	☐	☒						
C2.0	Site Plan	☐	☒						
C2.1	Easement Plan	☐	☒						
C3.0	Utility Plan	☐	☒						
C4.0	Grading Plan	☐	☒						
C5.0	Required Vegetation Plan	☐	☒						
C6.1	Misc. Details	☐	☐						
C6.2	Misc. Details	☐	☒						
REF	Survey - Harrisburg Surveying (1 sheet)	☐	☐						
REF	Building Elevations - New City Design (2 sheets)	☐	☒						
REF	Retaining Wall - TME (4 sheets)	☐	☐						
REF	Site Lighting Plan - BWA (1 sheet)	☐	☐						

-Final Drawing -
Issued for Permit
Review Purposes Only

#	DATE	DESCRIPTION
2	03-AUG-26	REVISED PER V1 REVIEW COMMENTS
1	31-MAY-26	SUBMIT FOR PERMIT REVIEW

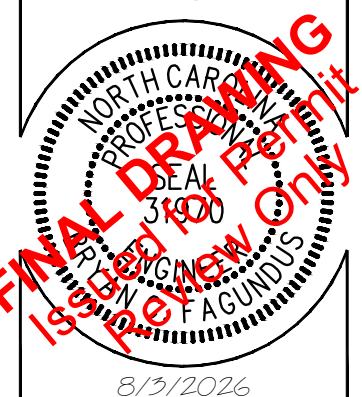
REVISIONS:



CHAPEL HILL TIRE AT WALLBROOK

Town of Rolesville Project No. SDP 26-0006

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



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

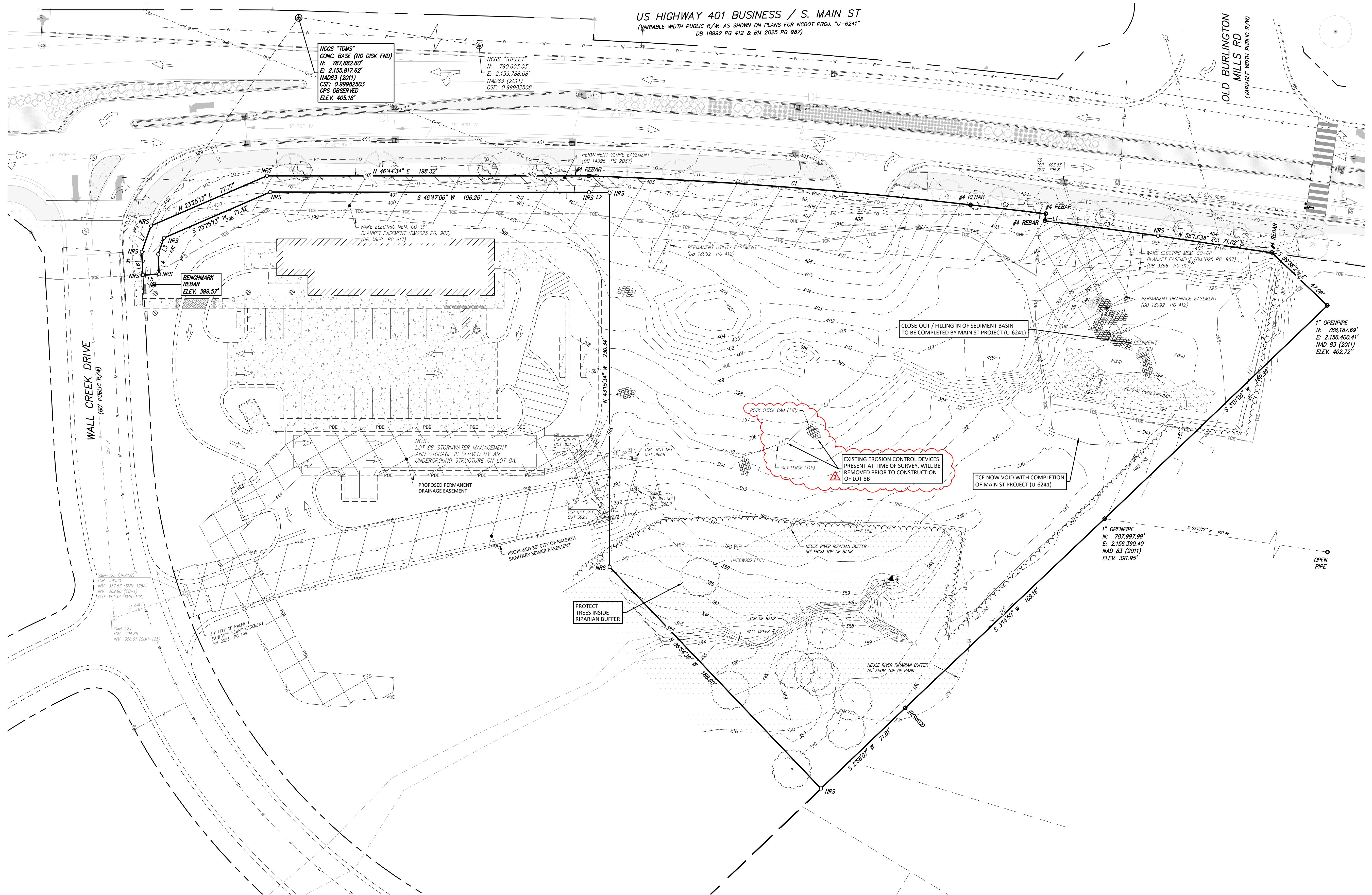
C0.1

Date: May 31, 2026



Legend

- EXISTING
- FOUND MONUMENT AS NOTED
 - SET IRON PIN
 - ▲ NCSS 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
- RIPIARIAN 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" & UNDER)
- CATCH BASIN (CB)
- DROP INLET (DI)
- STORM DRAIN MANHOLE
- DOWNSPOUT
- ROOF DRAIN PIPE
- RIPI 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 -
Issued for Permit
Review Purposes Only

REVISIONS:

#	DATE	DESCRIPTION
1	13-MAY-24	SUBMIT FOR PERMIT REVIEW
2	03-AUG-24	REVISED PER V1 REVIEW COMMENTS



EXISTING CONDITIONS & DEMOLITION PLAN

CHAPEL HILL TIRE AT WALLBROOK

Town of Rolesville Project No. SDP 26-0006

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

NC License: PA 1199

ARK CONSULTING GROUP, PLLC
ENGINEERS & SURVEYORS

925-A Conference Dr.
Durham, NC 27706
(919) 558-0888
www.arkconsultinggroup.com

9/25/2026

8/3/2026

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

C0.2

Date: May 31, 2026

Wake County Stockpile Requirements

DESIGN CRITERIA

- A 25-FOOT TEMPORARY MAINTENANCE AND ACCESS AREA SHALL BE SHOWN AROUND ALL PROPOSED STOCKPILES (EROSION CONTROL MEASURES SURROUNDING THE STOCKPILE SHALL BE SHOWN AT THE OUTER LIMIT OF THIS AREA).
- 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 35 FEET.
- STOCKPILE SLOPES SHALL BE 2:1 OR FLATTER.
- APPROVED BMP'S SHALL BE SHOWN ON A PLAN TO CONTROL ANY POTENTIAL SEDIMENT LOSS FROM A STOCKPILE.
- STOCKPILING MATERIALS ADJACENT TO A DITCH, DRAINAGEWAY, WATERCOURSE, WETLAND, STREAM BUFFER, OR OTHER BODY OF WATER SHALL BE AVOIDED UNLESS AN ALTERNATIVE LOCATION IS DEMONSTRATED TO BE UNAVAILABLE.
- ANY CONCENTRATED FLOW LIKELY TO AFFECT THE STOCKPILE SHALL BE DIVERTED TO AN APPROVED BMP.
- OFF-SITE SPOIL OR BORROW AREAS MUST FOLLOW THE WAKE COUNTY UDO AND STATE REGULATIONS. **ALL SPOIL AREAS OVER AND ACRE ARE REQUIRED TO HAVE AN APPROVED SEDIMENT CONTROL PLAN.** DEVELOPER/CONTRACTOR SHALL NOTIFY WAKE COUNTY OF ANY OFFSITE 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 UDO (CERTIFICATIONS AND PERMITS REQUIRED).

MAINTENANCE REQUIREMENTS TO BE NOTED ON THE EROSION AND SEDIMENT CONTROL PLAN

- SEEDING OR COVERING STOCKPILES WITH TARPS OR MULCH IS REQUIRED AND WILL REDUCE EROSION PROBLEMS. TARPS 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).

Wake County Seeding Specifications

SEEDBED PREPARATION

- A 25-FOOT TEMPORARY MAINTENANCE AND ACCESS AREA SHALL BE SHOWN AROUND ALL PROPOSED STOCKPILES (EROSION CONTROL MEASURES SURROUNDING THE STOCKPILE SHALL BE SHOWN AT THE OUTER LIMIT OF THIS AREA).
- 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 35 FEET.
- STOCKPILE SLOPES SHALL BE 2:1 OR FLATTER.
- APPROVED BMP'S SHALL BE SHOWN ON A PLAN TO CONTROL ANY POTENTIAL SEDIMENT LOSS FROM A STOCKPILE.
- STOCKPILING MATERIALS ADJACENT TO A DITCH, DRAINAGEWAY, WATERCOURSE, WETLAND, STREAM BUFFER, OR OTHER BODY OF WATER SHALL BE AVOIDED UNLESS AN ALTERNATIVE LOCATION IS DEMONSTRATED TO BE UNAVAILABLE.
- ANY CONCENTRATED FLOW LIKELY TO AFFECT THE STOCKPILE SHALL BE DIVERTED TO AN APPROVED BMP.
- OFF-SITE SPOIL OR BORROW AREAS MUST FOLLOW THE WAKE COUNTY UDO AND STATE REGULATIONS. **ALL SPOIL AREAS OVER AND ACRE ARE REQUIRED TO HAVE AN APPROVED SEDIMENT CONTROL PLAN.** DEVELOPER/CONTRACTOR SHALL NOTIFY WAKE COUNTY OF ANY OFFSITE 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 UDO (CERTIFICATIONS AND PERMITS REQUIRED).

AMENDMENT 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
AUGUST 15 - NOVEMBER 1	TALL FESCUE	300 LBS/ACRE
NOVEMBER 1 - MARCH 1	TALL FESCUE & ABRUZZI RYE	300 LBS/ACRE
MARCH 1 - APRIL 15	TALL FESCUE	300 LBS/ACRE
APRIL 15 - JUNE 30	HULLED COMMON BERMUDAGRASS	25 LBS/ACRE
JULY 1 - AUGUST 15	TALL FESCUE AND BROWNTOP MILLET OR SORGHUM-SUDAN HYBRIDS	125 LBS/ACRE (TALL FESCUE); 35 LBS/ACRE (BROWNTOP MILLET); 30 LBS/ACRE (SORGHUM-SUDAN HYBRIDS)

SEEDING SCHEDULE - FOR SHOULDERS, SIDE DITCHES, SLOPES (3:1 TO 2:1)

DATE	TYPE	PLANTING RATE
MARCH 1 - JUNE 1	SERICEA LESPEDEZA (SCARIFIED) AND USE THE FOLLOWING COMBINATIONS	50 LBS/ACRE (SERICEA LESPEDEZA)
MARCH 1 - APRIL 15	ADD TALL FESCUE	120 LBS/ACRE
MARCH 1 - JUNE 30	OR ADD WEEPING LOVE GRASS	10 LBS/ACRE
MARCH 1 - JUNE 30	OR ADD HULLED COMMON BERMUDAGRASS	25 LBS/ACRE
JUNE 1 - SEPTEMBER 1	TALL FESCUE AND BROWNTOP MILLET OR SORGHUM-SUDAN HYBRIDS ***	120 LBS/ACRE (TALL FESCUE); 35 LBS/ACRE (BROWNTOP MILLET); 30 LBS/ACRE SORGHUM-SUDAN HYBRIDS)
SEPTEMBER 1 - MARCH 1	SERICEA LESPEDEZA (UNHULLED - UNSCARIFIED) AND TALL FESCUE	70 LBS/ACRE (SERICEA LESPEDEZA); 120 LBS/ACRE (TALL FESCUE)
NOVEMBER 1 - MARCH 1	AND ABRUZZI RYE	25 LBS/ACRE

CONSULT THE WAKE COUNTY SOIL & WATER CONSERVATION DISTRICT OR THE NC STATE COOPERATIVE EXTENSION FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENUDED AREAS. THE ABOVE VEGETATION RATES ARE THOSE THAT DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE.

TEMPORARY SEEDING SCHEDULE: 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.

PERMANENT STABILIZATION OF DISTURBED AREAS SHALL BE REQUIRED PRIOR TO CLOSE OUT OF ANY LAND DISTURBANCE PERMIT, AND MAY BE ACHIEVED BY ONE OR MORE OF THE FOLLOWING METHODS:

GRASS

- WHERE GRASS IS USED TO MEET STABILIZATION REQUIREMENTS, PERMANENT GROUND COVER MUST BE APPLIED TO OVER 100% OF THE DISTURBED AREA.
- PERMANENT STABILIZATION WILL BE CONSIDERED ACHIEVED WHEN 80% DENSITY OF THE PERMANENT GROUND COVER IS ESTABLISHED WITH NO EVIDENCE OF LARGE BARE PATCHES OR EROSION. ANNUAL RYE IS NOT A PERMANENT GROUND COVER.

SOD

- SOD SHOULD BE LAID ACROSS THE SLOPE WORKING FROM THE BOTTOM TO THE TOP OF A SLOPE
- SOD STRIPS SHOULD BE PLACED SO THAT THERE IS SNUG, EVEN JOINTS. JOINTS SHOULD BE STAGGERED TO PREVENT GAPS OR VOIDS WHICH MAY ALLOW ROOTS TO DRY OUT OR BE MORE SUSCEPTIBLE TO EROSION.
- ROLL OR TAMP SOD IMMEDIATELY AFTER PLACEMENT TO ENSURE THAT THERE IS SOLID CONTACT BETWEEN THE SOD AND THE GROUND.
- ON STEEP SLOPES, SOD MAY NEED TO BE STAPLED TO THE SURFACE OF THE SOIL.
- SOD SHOULD BE WATERED IMMEDIATELY ONCE SECURED, AND REGULARLY AS NEEDED TO ENSURE SOD GROWS.
- SOD SHOULD NOT BE APPLIED TO COMPACTED SOIL. TILL THE SOIL BELOW SOD PLACEMENT.

MULCH

- TRIPLE SHREDDED HARDWOOD MULCH MAY BE APPLIED AT A MINIMUM DEPTH OF 6 INCHES TO ACHIEVE PERMANENT STABILIZATION ON LEVEL AREAS

IMPERVIOUS SURFACE

- IMPERVIOUS SURFACE SUCH AS GRAVEL, RIP RAP, ASPHALT, ETC. MAY BE USED FOR PERMANENT STABILIZATION. ALL SUCH IMPERVIOUS SURFACES MUST BE PERMITTED APPROPRIATELY

Erosion Control Provisions:

- NO PERSON MAY INITIATE A LAND DISTURBING ACTIVITY BEFORE NOTIFYING WAKE COUNTY WATERSHED MANAGEMENT OF THE DATE THAT THE LAND DISTURBING ACTIVITY WILL BEGIN.
- LAND DISTURBING ACTIVITY BEYOND THAT REQUIRED TO INSTALL APPROPRIATE EROSION CONTROL MAY NOT PROCEED UNTIL EROSION CONTROL MEASURES ARE INSPECTED AND APPROVED BY THE ENGINEER.
- SCHEDULING OF A PRE-CONSTRUCTION CONFERENCE WITH THE WAKE COUNTY WATERSHED MANAGEMENT ENVIRONMENTAL CONSULTANT PRIOR TO INITIATING LAND DISTURBING ACTIVITIES IS REQUIRED. 48-HOUR NOTICE IS REQUIRED FOR INSPECTIONS.
- INSTALL TREE PROTECTION FENCING AROUND ALL AREAS OUTSIDE OF THE LIMITS OF DISTURBANCE AS SHOWN ON PLANS.
- PROVIDE 20' X 50' X 6" STONE CONSTRUCTION ENTRANCES AS SHOWN ON PLAN.
- SEED OR OTHERWISE PROVIDE GROUND COVER DEVICES OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION FOR ALL EXPOSED SLOPES WITHIN 7 DAYS OF COMPLETION OF ANY PHASE OF GRADING ON PERIMETER AREAS AND SLOPES STEEPER THAN 3:1. ALL OTHER AREAS SHALL BE STABILIZED WITHIN 14 DAYS.
- CONTRACTOR SHALL INSPECT AND MAINTAIN AS NEEDED ALL EROSION CONTROL DEVICES ON A WEEKLY BASIS AND AFTER EACH MAJOR STORM EVENT. FAILURE TO KEEP ALL EROSION CONTROL DEVICES IN PROPER WORKING ORDER MAY RESULT IN A STOP WORK ORDER OR CIVIL PENALTIES UP TO \$5000.00 PER DAY OF VIOLATION.
- THE ENGINEER RESERVES THE RIGHT TO REQUIRE ADDITIONAL EROSION CONTROL MEASURES SHOULD THE PLAN OR ITS IMPLEMENTATION PROVE TO BE INADEQUATE.
- ACCEPTANCE AND APPROVAL OF THIS PLAN IS CONDITIONED UPON YOUR COMPLIANCE WITH FEDERAL AND STATE WATER QUALITY LAWS, REGULATION AND RULES. IN ADDITION LOCAL CITY AND COUNTY ORDINANCES OR RULES MAY ALSO APPLY TO THIS LAND DISTURBING ACTIVITY. APPROVAL BY THE COUNTY DOES NOT SUPERSEDE ANY OTHER PERMIT OR APPROVAL.
- PLEASE BE ADVISED OF THE RULES TO PROTECT AND MAINTAIN EXISTING BUFFERS ALONG WATERCOURSES IN THE NEUSE AND RIVER BASIN. THESE RULES ARE ENFORCED BY THE DIVISION OF WATER RESOURCES (DWR). DIRECT ANY QUESTIONS ABOUT THE APPLICABILITY OF THESE RULES TO YOUR PROJECT TO THE REGIONAL WATER QUALITY SUPERVISOR, RALEIGH REGIONAL OFFICE AT (919) 791-4200.
- ALL AREAS DOWNSTREAM OF TEMPORARY BASINS AND DITCHES ARE TO BE STABILIZED IMMEDIATELY UPON CONSTRUCTION.

-Final Drawing -
Issued for Permit
Review Purposes Only

2. (3) AUC/24 REVISED PERMITS REVIEW COMMENTS
1. (3) MAY-24 SUBMIT FOR PERMIT REVIEW

DATE: #

REVISIONS:

CHapel Hill TIRE CAR CARE

EROSION CONTROL NOTES

CHAPEL HILL TIRE AT WALLBROOK

Town of Rolesville Project No. SDP 26-0006

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

NC Client # 14-118

ARK CONSULTING GROUP PLLC
ENGINEERS & SURVEYORS

925-A Conference Dr.
Raleigh, NC 27606
(919) 558-0888
www.arkconsultinggroup.com

North Carolina Professional Seal
8/3/2026

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

C1.0

Date: May 31, 2026

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCGO1 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 NCGO1 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 feet 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	
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

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

GROUND STABILIZATION SPECIFICATION

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

Temporary Stabilization	Permanent Stabilization
- Temporary grass seed covered with straw or other mulches and tackifiers. - Hydroseeding. - Roller erosion control products with or without temporary grass seed - Appropriately applied straw or other mulch - Plastic sheeting	- Permanent grass seed covered with straw or other mulches and tackifiers - Geotextile fabrics such as permanent soil reinforcement matting (PRSM) - 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 - Roller erosion control products with grass seed

Note: The use of techniques listed above which promote and assist in establishment of vegetation does not constitute permanent stabilization prior to the establishment of permanent vegetation.

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 offsite.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

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

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

- 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 stacking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

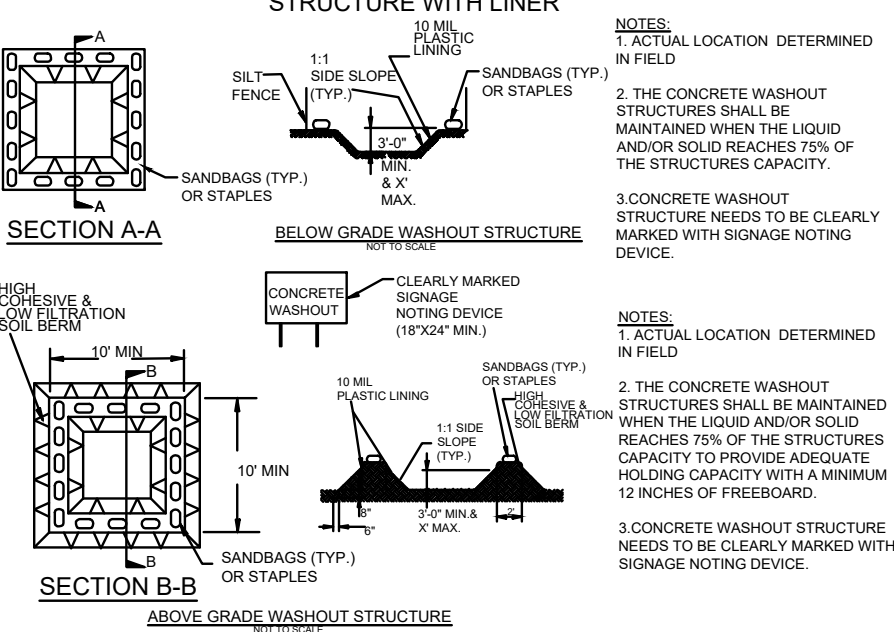
EARTHEN STOCKPILE MANAGEMENT

- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets and surface waters unless it can be shown no other alternatives are reasonably available. It is recommended to locate stockpile areas at least 50 feet away from skimmer basins and anywhere stormwater flow is concentrated.
- 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.

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.

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



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. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
- Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
- Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
- Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.
- Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, and 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.

GROUND COVER & MATERIALS HANDLING

Effective:
April 1, 2024

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

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

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend on holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (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&SC 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. Indication of whether the measures were operating 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 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.	1. If visible Sedimentation is found outside site limits, then record of the following shall be made: 1) Actions taken to clean up or stabilize sediment that has left the site limits 2) Description, Evidence and date of corrective actions taken 3) An explanation as to the actions taken to control future releases
(5) Streams or wetlands on 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.	1. If the stream or wetland has increased visible sedimentation or 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 2) Records of required reports to the appropriate Division 3) Regional Office per Part II, Section C, Item 2)(a) of this permit
(6) Ground Stabilization Measures	After each phase of grading	1. The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover). 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or 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

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

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

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

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

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING

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

2. Reporting Timeframes and Other Requirements

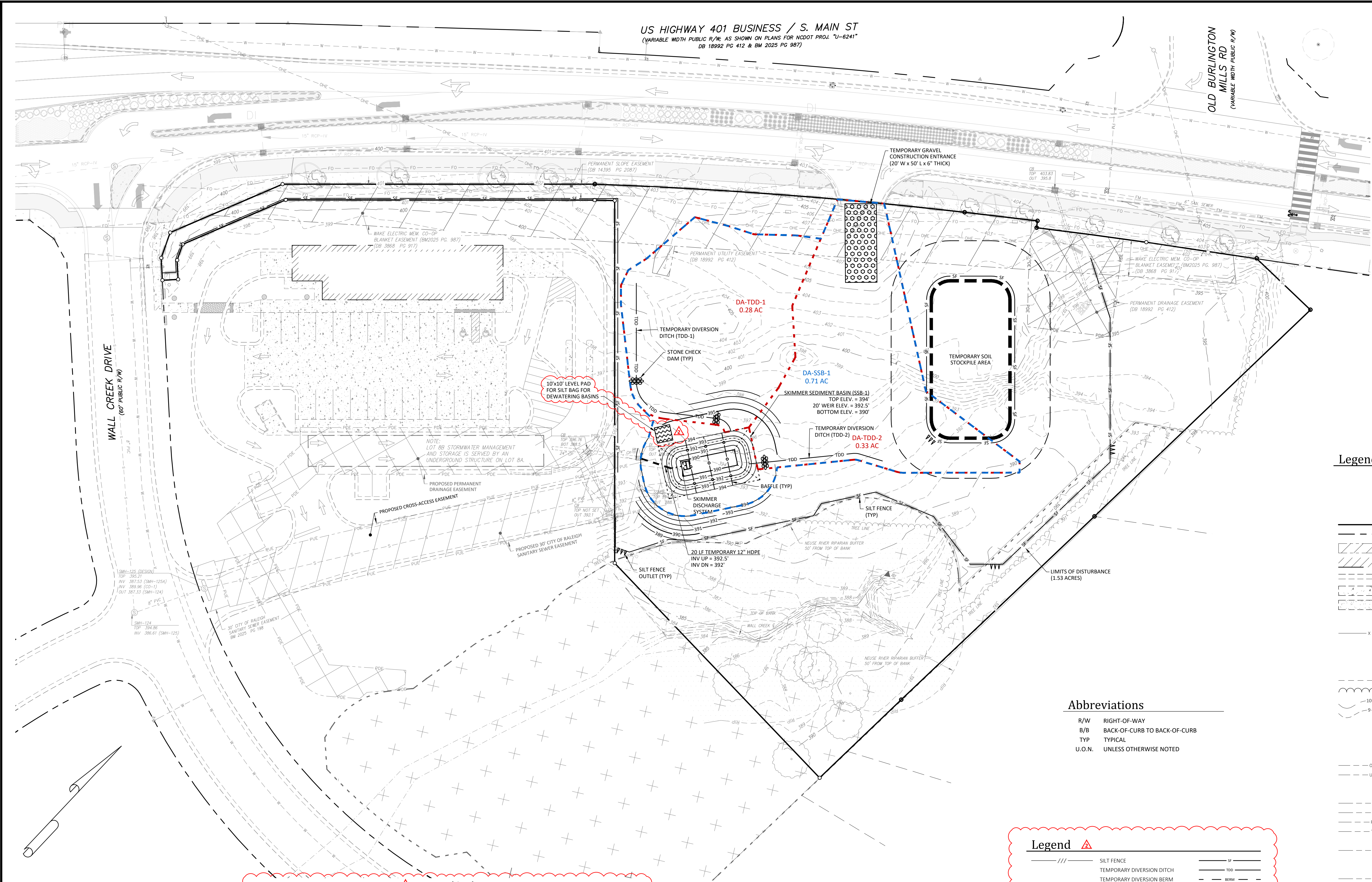
After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Department's Environmental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

Occurrence	Reporting Timeframe (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 caused, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions.
(b) Oil spills and release of hazardous substances per item 1)(b)-(c) above	Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	A report at least ten days before the date of the bypass, if possible. The report shall include an evaluation of the anticipated quality and effect of the bypass.
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	- Within 24 Hours, an oral or electronic notification - Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(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 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.

INSPECTION, RECORD KEEPING AND REPORTING

Effective:
April 1, 2024





Vegetated Swales						
Device	Type	(ft) Invert Upstream	(ft) Invert Downstream	(ft) Min. Depth	(ft) Base Width	Side Slope (x:1)
PHASE 1						
TDD-1	Temporary Diversion	401.1	392.5	0.16	1	3
TDD-2	Temporary Diversion	393.5	392.5	0.26	1	3
PHASE 2						
TDD-1	Temporary Diversion	399.5	392.5	0.17	1	3
TDD-2	Temporary Diversion	400.4	392.5	0.23	1	3

Temporary Sediment Traps, Skimmer Sediment Basins, and Temporary Sediment Basins													
Device	Type	Basin Length (ft)	Basin Width (ft)	Weir Length (ft)	Weir Flow Depth (ft)	Freeboard Above Weir (ft)	Depth Below Weir (ft)	Side Slope (x:1)	Top Length (ft)	Top Width (ft)	Q (cfs)	Skimmer Size (in)	Orifice Size (in)
PHASE 1													
SSB-1	Skimmer Sediment Basin	50	25	20	0.1	1.5	2.5	3.0	59	34	2.5	1.50	0.75

Abbreviations

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

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)
 - 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
 - CLEAN-OUT
 - SANITARY SEWER VALVE
 - STORM DRAIN PIPE (12" & UNDER)
 - CATCH BASIN (CB)
 - DROP INLET (DI)
 - STORM DRAIN MANHOLE
 - DOWNSPOUT
 - ROOF DRAIN PIPE
 - RIP RAP

Legend

- SILT FENCE
- TEMPORARY DIVERSION DITCH
- TEMPORARY DIVERSION BERM
- SKIMMER SEDIMENT BASIN (SSB)
- SEDIMENT BASIN BAFFLES
- SKIMMER DISCHARGE SYSTEM
- LEVEL PAD FOR SILT BAG
- ROCK INLET SEDIMENT TRAP
- STONE CHECK DAM
- TDD DRAINAGE AREA
- SKIMMER BASIN DRAINAGE AREA

-Final Drawing -
Issued for Permit
Review Purposes Only

REVISIONS:



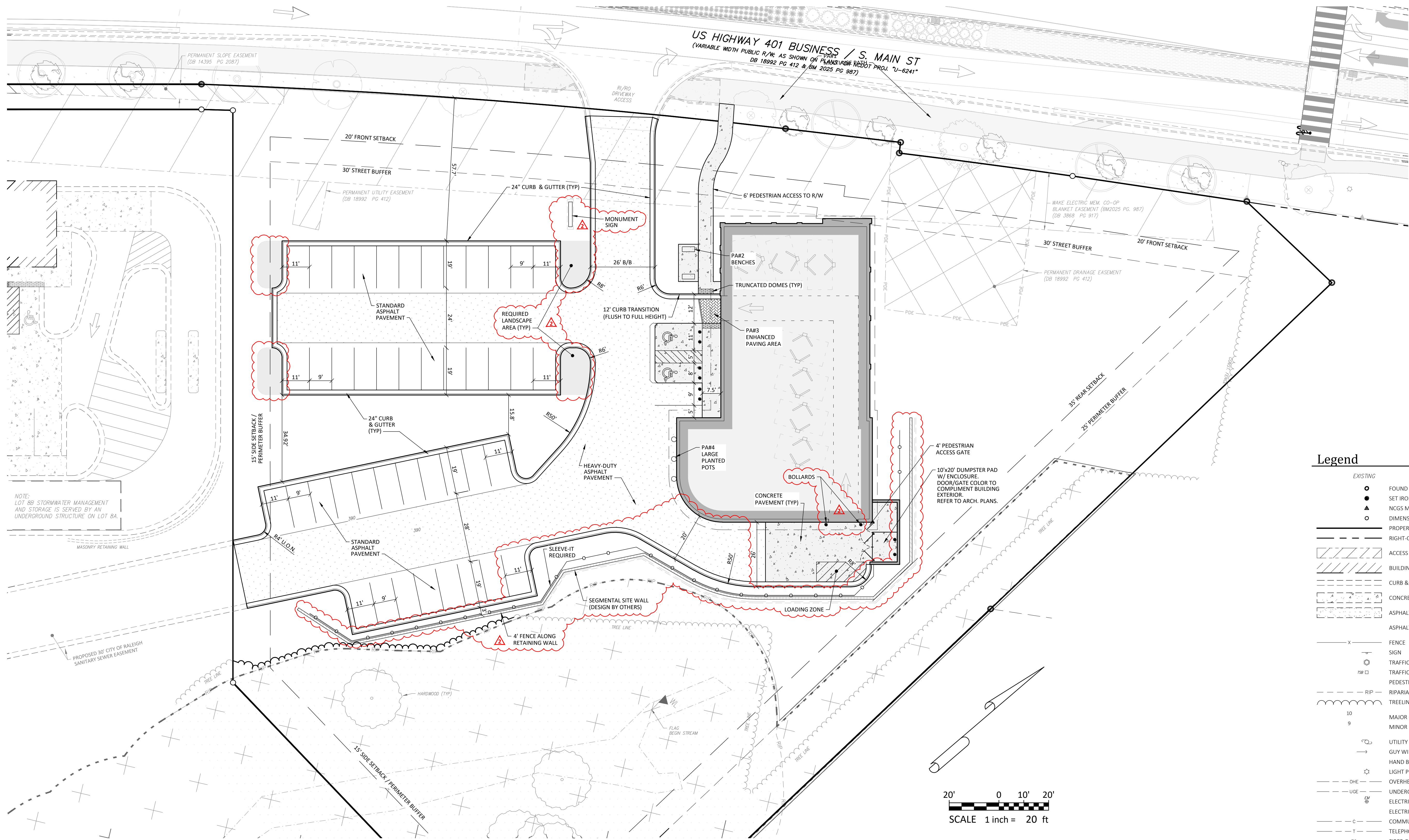
EROSION CONTROL PLAN - PHASE 1
CHAPEL HILL TIRE AT WALLBROOK
Town of Rolesville Project No. SDP 26-0006
Wake Forest Township, Town of Rolesville, Wake County, North Carolina

ARK CONSULTING GROUP, PLLC
925-A Conference Dr.
Charlotte, NC 28203
(704) 558-8888
www.arkconsultinggroup.com

8/7/2026

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

C1.1
Date: May 31, 2026



LDO Section 5.1.4.W.4 - Use Standards	Applicant Response
a) No stockpiling of parts or salvaging of vehicle parts.	There will be no stockpiling of parts or salvaging vehicle parts.
b) No storage of wrecked or unregistered vehicles may be permitted on site.	There will be no storage of wrecked or unregistered vehicles on the property.
c) No outdoor speaker system.	There will be no outdoor speaker system.
d) All work performed shall be within an enclosed building, however, bay doors may be open during hours of operation.	All work shall occur within the building.
e) No more than three (3) service bays shall be permitted.	The facility has two (2) service bay doors.
f) A landscape buffer in conformance with Section 6.2 shall be required along any property line abutting a residentially zoned property.	A landscape buffer conforming to Sec. 6.2 is provided.
g) In addition to service vehicles necessary for the operation of business, only vehicles awaiting repair may be stored on site. No inoperable vehicles may be left on site for more than fifteen (15) days. In special circumstances where this provision would pose undue hardship, the Zoning Administrator may grant an extension for vehicle storage of up to fifteen (15) days.	Only vehicles awaiting repair will be stored on site. No vehicle awaiting repair will remain on site longer than fifteen (15) days.

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 Amentiy Legend

PA #1 MULT-USE PATH / GREENWAY
367 LF MUP/GREENWAY
MAIN ST PROJECT

PA #2 BENCHES
SEE DETAIL C6.1

PA #3 ENHANCED PAVING AREA
DECORATIVE STAMPED ASPHALT PAVING.
SEE DETAIL SHEET C6.1

PA #4 LARGE PLANTED POTS
SEE DETAIL SHEET C6.1

Legend

EXISTING		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
	CATCH BASIN (CB)		DROP INLET (DI)
	STORM DRAIN MANHOLE		DOWNSPOUT
	ROOF DRAIN PIPE		RIP RAP
	SPILL CURB		DS

SITE PLAN

CHAPEL HILL TIRE AT WALLBROOK

Town of Rolesville Project No. SDP 26-0006

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

NC License: PA 1139

ARK CONSULTING GROUP PLLC
ENGINEERS & SURVEYORS

925-A Conference Dr.
Charlotte, NC 28203
(704) 558-8888
www.arkconsultinggroup.com

9/25/2026

PLANNING DEPARTMENT
NORTH CAROLINA
COUNTY OF WAKE
TOWN OF ROLESVILLE
SDP 26-0006
8/7/2026

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

C2.0

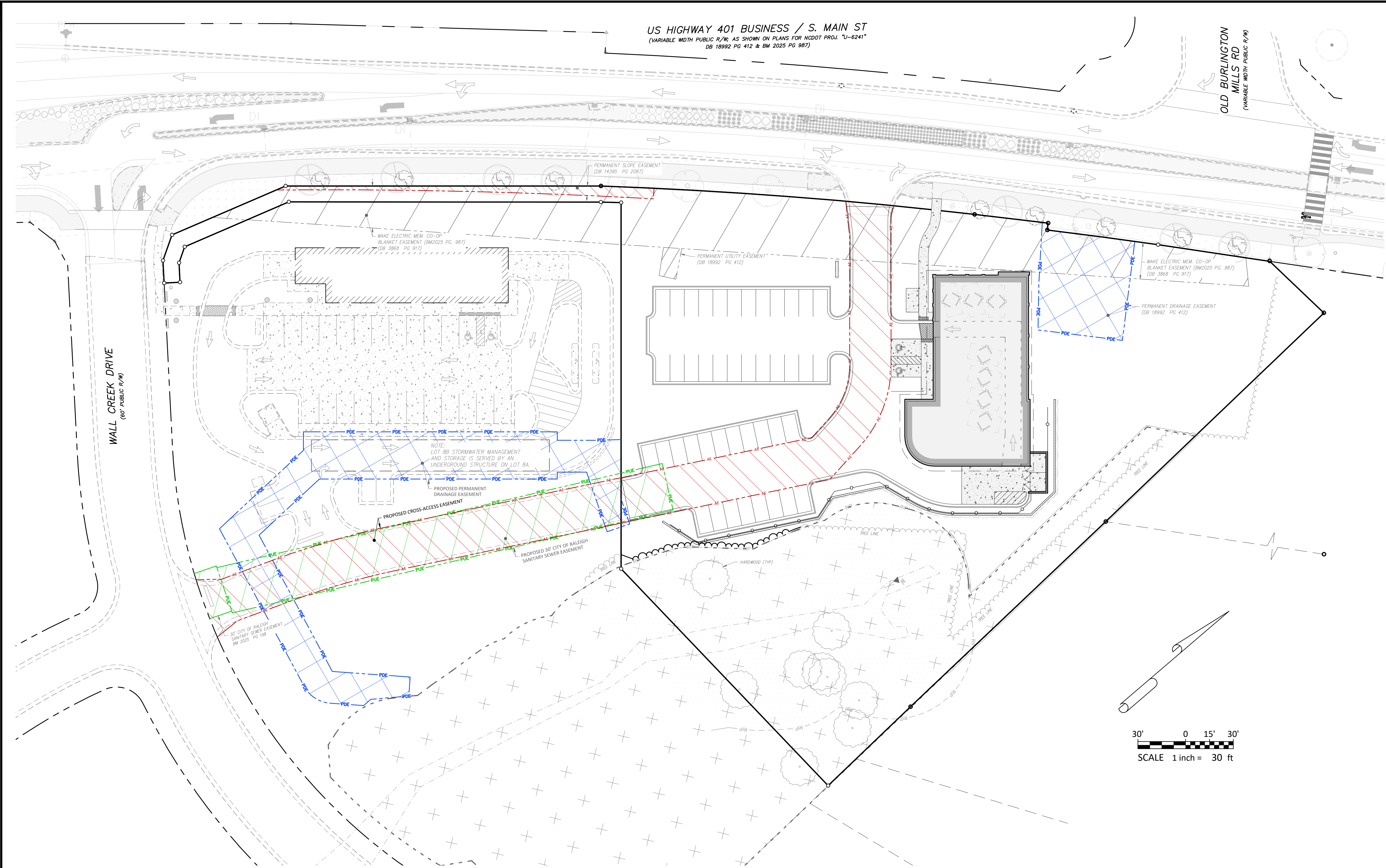
Date: May 31, 2026

-Final Drawing -
Issued for Permit
Review Purposes Only

REVISIONS:

#	DATE	DESCRIPTION
2	03-AUG-26	REVISED PER V1 REVIEW COMMENTS
1	31-MAY-26	SUBMIT FOR PERMIT REVIEW





-Final Drawing - Issued for Permit Review Purposes Only		
2	03-AUG-26	REVISED PER V1 REVIEW COMMENTS
1	31-MAY-26	SUBMIT FOR PERMIT REVIEW
#	DATE	DESCRIPTION



EASEMENT PLAN

CHAPEL HILL TIRE AT WALLBROOK

Town of Rolesville Project No. SDP 26-0006

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

NC License #11159

ARK CONSULTING GROUP, PLLC
ENGINEERS & SURVEYORS

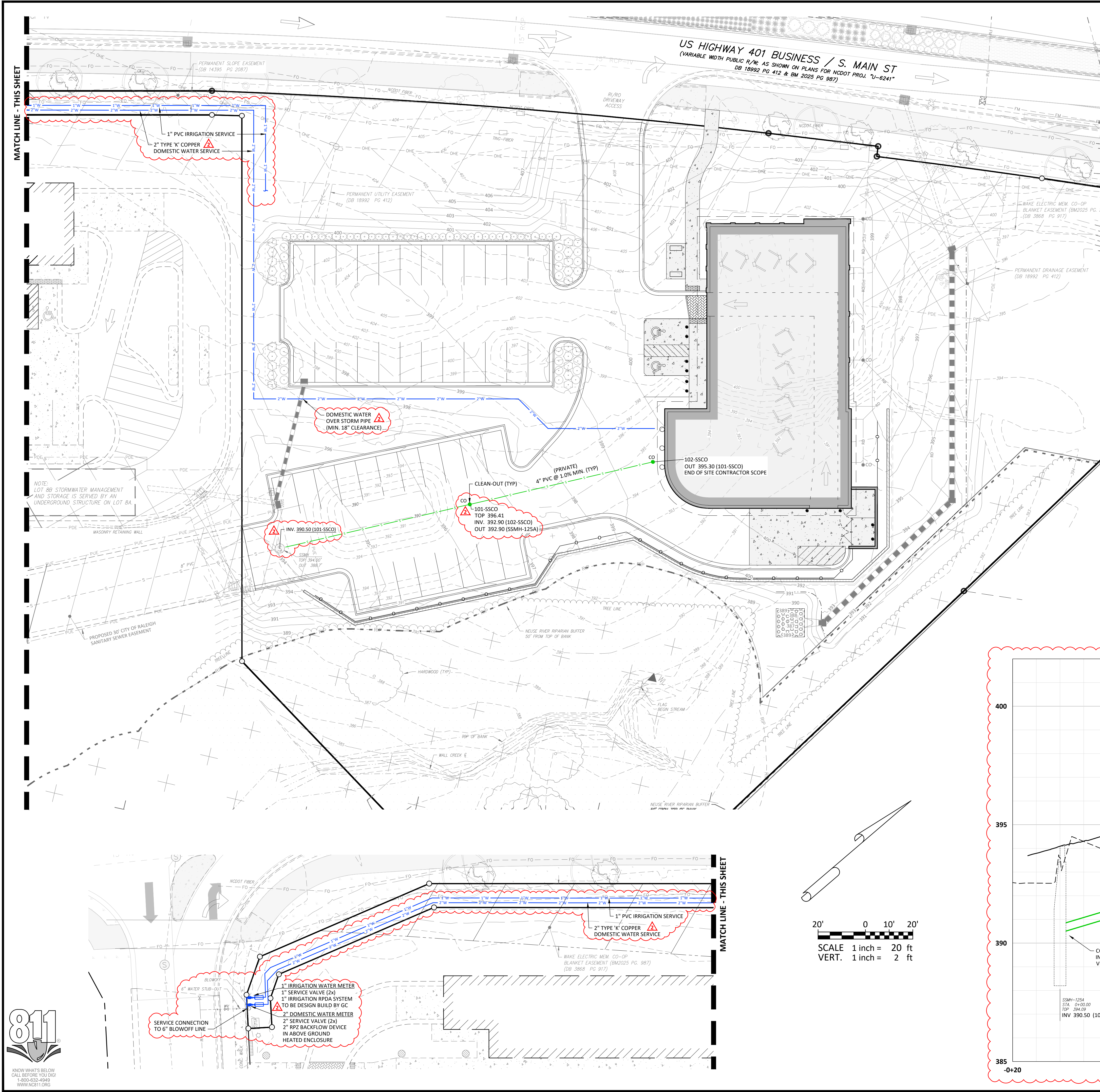
925-A Conference Dr.
Durham, NC 27706
(919) 558-0888
www.arkconsultinggroup.com

Professional Engineer Seal
NORTH CAROLINA
Professional Engineer
Ark Consulting Group, PLLC
8/17/2026

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

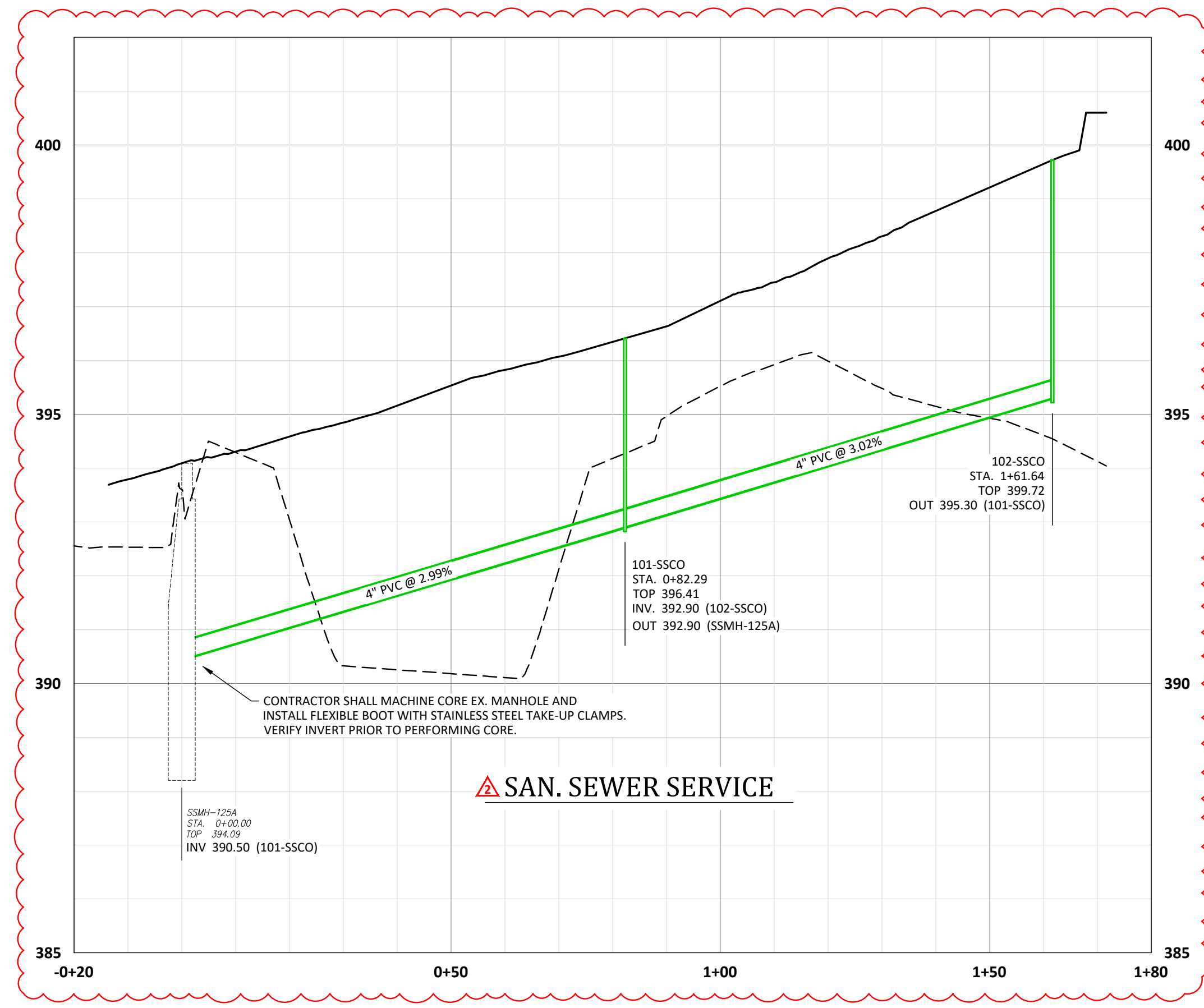
C2.1

Date: May 31, 2026



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 ENCASUREMENT 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 RELEASE 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".



-Final Drawing -
Issued for Permit
Review Purposes Only

REVISIONS:

CHAPEL HILL
TIRE
CAR CARE

UTILITY PLAN

CHAPEL HILL TIRE AT WALLBROOK

Town of Rolesville Project No. SDP 26-0006

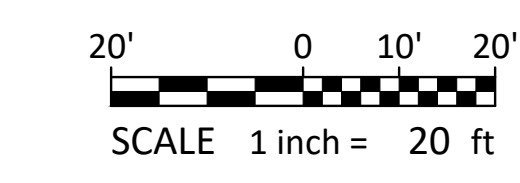
Wake Forest Township, Town of Rolesville, Wake County, North Carolina

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

C3.0

Date: May 31, 2026



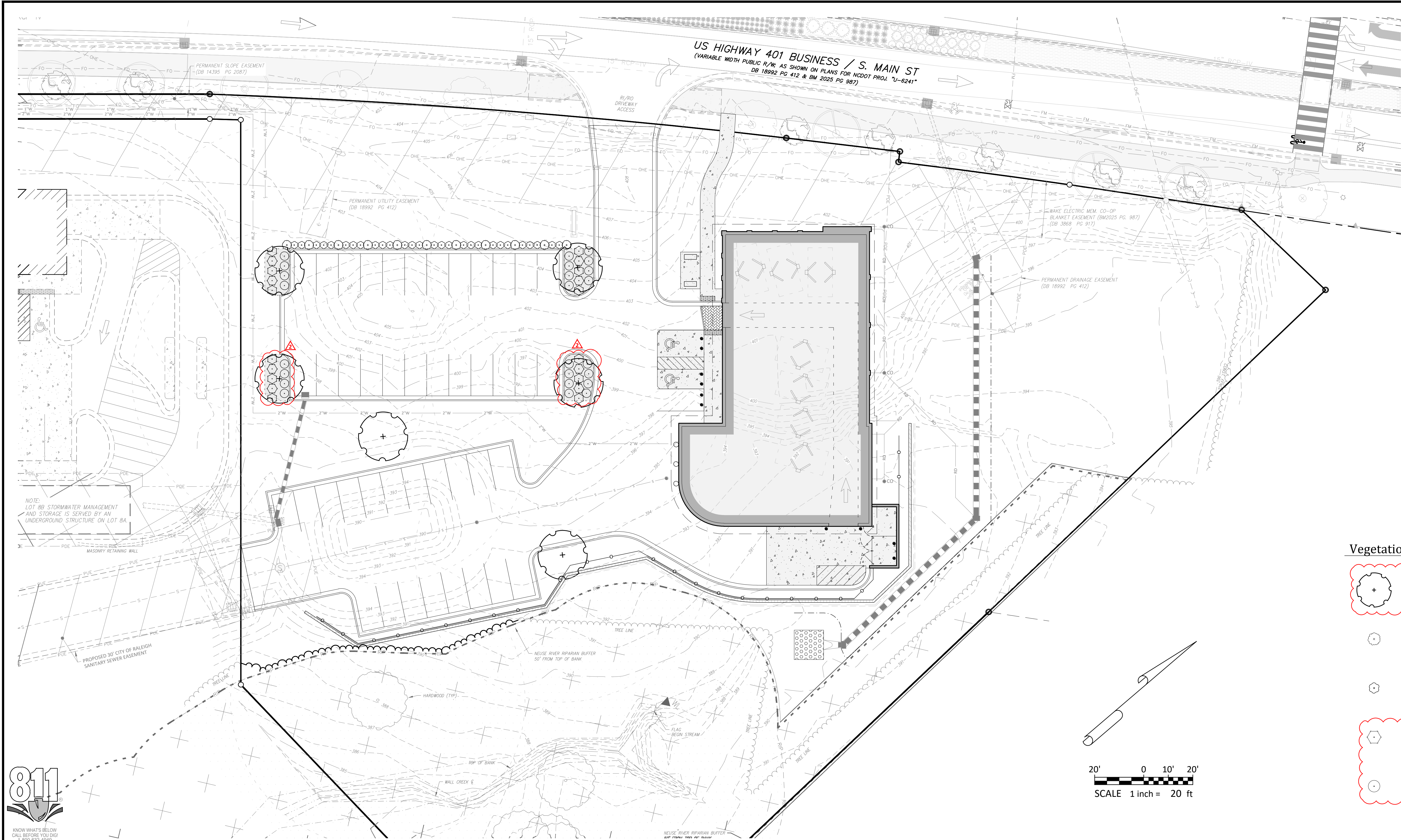
STRUCTURE TABLE					
ID	TOP	IN		OUT	DESC
001-EXCB	397.13	388.50 (100-CB)			Ex. Catch Basin
100-CB	394.10	390.30 (101-CB)		389.80 (001-EXCB)	Catch Basin
101-CB	397.57			391.35 (100-CB)	Catch Basin
200-FES	391.73	389.40 (201-DI)			24 in FES
201-DI	394.70	389.45 (202-DI)		389.45 (200-FES)	Drop Inlet
202-DI	393.70	389.90 (203-DI)		389.90 (201-DI)	Drop Inlet
203-DI	397.00	394.27 (204-EXCB)		392.56 (202-DI)	Drop Inlet
204-EXCB	403.90			396.24 (203-DI)	Ex. Catch Basin

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
FES	FLARED END SECTION
FES	SPILL CURB
	LINEAR FOOT OF STORM DRAIN PIPE
LF	CATCH BASIN = MEASURED TO CENTER OF HOOD AT BACK-OF-CURB
	DROP INLET & MANHOLE = MEASURED TO CENTER OF STRUCTURE

Grading Notes:

1. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT REFERENCED IN THIS PLAN SET.
2. SITE CONTRACTOR TO GRADE ALL AREAS WITHIN THE LIMITS OF DISTURBANCE FROM BUILDING TO PROPERTY LINES AND TO EDGE OF PAVEMENT ON STREET SIDES, INCLUDING ROADS.
3. TREES OUTSIDE OF CONSTRUCTION LIMITS OR TREES NOT INDICATED TO BE REMOVED SHALL BE PROTECTED.
4. TOP SOIL SHALL BE STRIPPED FROM ALL CUT AND FILL AREAS, STOCKPILED AND REDISTRIBUTED OVER GRADED AREAS. PROVIDE EROSION AND SEDIMENTATION CONTROLS AROUND STOCKPILES DURING CONSTRUCTION.
5. TRUCKS TO GO TO A DEPTH OF 4" MINIMUM AND REMOVE ALL ROCKS LARGER THAN 1" MEASURED IN LARGEST DIRECTION.
6. GRADE ALL AREAS TO MAINTAIN POSITIVE SLOPE AWAY FROM BUILDING.
7. ALL GRADED AREAS TO RECEIVE SEED OR SOD, TOP SOIL, STRAW AND WATER UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
8. INSTALL TEMPORARY TUFF REINFORCEMENT MATTING ON ALL SLOPES STEEPER THAN 3:1. MATTING SHALL BE CONTECH LANDLOK ZC OR EQUAL.
9. REFER TO CIVIL DETAILS FOR PAVEMENT, PARKING AND DRIVE AREAS.
10. ALL SUB-GRADINGS SHALL BE CONSTRUCTED TO THE SAME DEPTH OF CONCRETE AND SHALL HAVE TOOLED CONTROL JOINTS PER THE JOINT SPACING REFERENCED ON THE PLAN.
11. 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.
12. SOILS REPRESENTING BY THEIR USCS GROUP SYMBOLS WILL TYPICALLY BE SUITABLE FOR USE AS STRUCTURAL FILL: (ML), (CL), (SM), AND (SC).
13. THE FOLLOWING SOIL TYPES ARE CONSIDERED UNSUITABLE IN AREAS WHERE A MINIMUM THICKNESS OF 3' OF LOW PERMEABILITY SOILS CAN BE USED AS COVER: (SW), (SP), (SP-SM), AND (SP-SC).
14. THE FOLLOWING SOILS ARE CONSIDERED SUITABLE IN AREAS WHERE A MINIMUM THICKNESS OF 3' OF NON-EXPANSIVE SOILS CAN BE USED AS COVER: (MH) AND (CH).
15. THE FOLLOWING SOIL TYPES ARE CONSIDERED UNSUITABLE: (OL), (OH), AND (PT).
16. ALL STRUCTURAL FILL SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698). ADDITIONALLY, THE IN-PLACE MAXIMUM DRY DENSITY OF STRUCTURAL FILL SHOULD BE AT LEAST 125 PCF.
17. THE UPPER 12" OF BUILDING FLOOR'S SUBGRADE SHALL BE COMPACTED TO AT LEAST 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698).
18. FILL PLACEMENT IN PAVEMENT AREAS SHALL BE PERFORMED IN ACCORDANCE WITH NCDOT STANDARD SPECIFICATIONS.
19. SUITABLE FILL MATERIAL SHALL BE PLACED IN 8" LIFTS AND COMPACTED BY MECHANICAL MEANS. PROOFROLLING WITH RUBBER TIRED, HEAVILY LOADED VEHICLES MAY BE DESIRABLE AT THE DISCRETION OF THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE TO BIND THE LIFTS TOGETHER AND TO SEAL THE SURFACE OF THE COMPACTED AREAS.
20. ALL BUILDING, SIDEWALK, AND PAVEMENT SUB-GRADE COMPACTIIONS 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.
21. WHERE REQUIRED, PAVEMENT SHALL BE SAW CUT IN STRAIGHT LINES, AND EXCEPT FOR EDGE OF BUTT JOINTS, SHALL EXTEND TO THE FULL DEPTH OF THE EXISTING PAVEMENT. ALL DEBRIS FROM REMOVAL OPERATIONS SHALL BE REMOVED FROM THE SITE AT THE TIME OF EXCAVATION. STOCKPILING OF DEBRIS WILL NOT BE PERMITTED.
22. THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, CLEANOUTS, ETC. SHALL BE ADJUSTED, AS REQUIRED, TO MATCH PROPOSED GRADES.
23. SITE CONTRACTOR SHALL BE REQUIRED TO SECURE ALL NECESSARY PERMITS AND APPROVALS FOR OFF SITE MATERIAL SOURCES AND / OR DISPOSAL FACILITIES. CONTRACTOR SHALL SUPPLY A COPY OF APPROVALS TO OWNER PRIOR TO INITIATING WORK.
24. UNLESS INDICATED OTHERWISE, ALL STORM DRAINAGE PIPE SHALL BE REINFORCED CONCRETE PIPE (RCP) CLASS III WITH SOIL TIGHT JOINTS.
25. SITE CONTRACTOR SHALL INSTALL BUILDING ROOF DRAINS TO WITHIN 2" OF THE BUILDING EXTERIOR SURFACE. CAPS TO PROVIDE ABOVE GROUND MARKER FOR LOCATION PURPOSES.
26. GENERAL CONTRACTOR IS RESPONSIBLE FOR TIE-INS OF BUILDING DOWNSPOUTS TO SITE ROOF DRAINAGE PIPING.

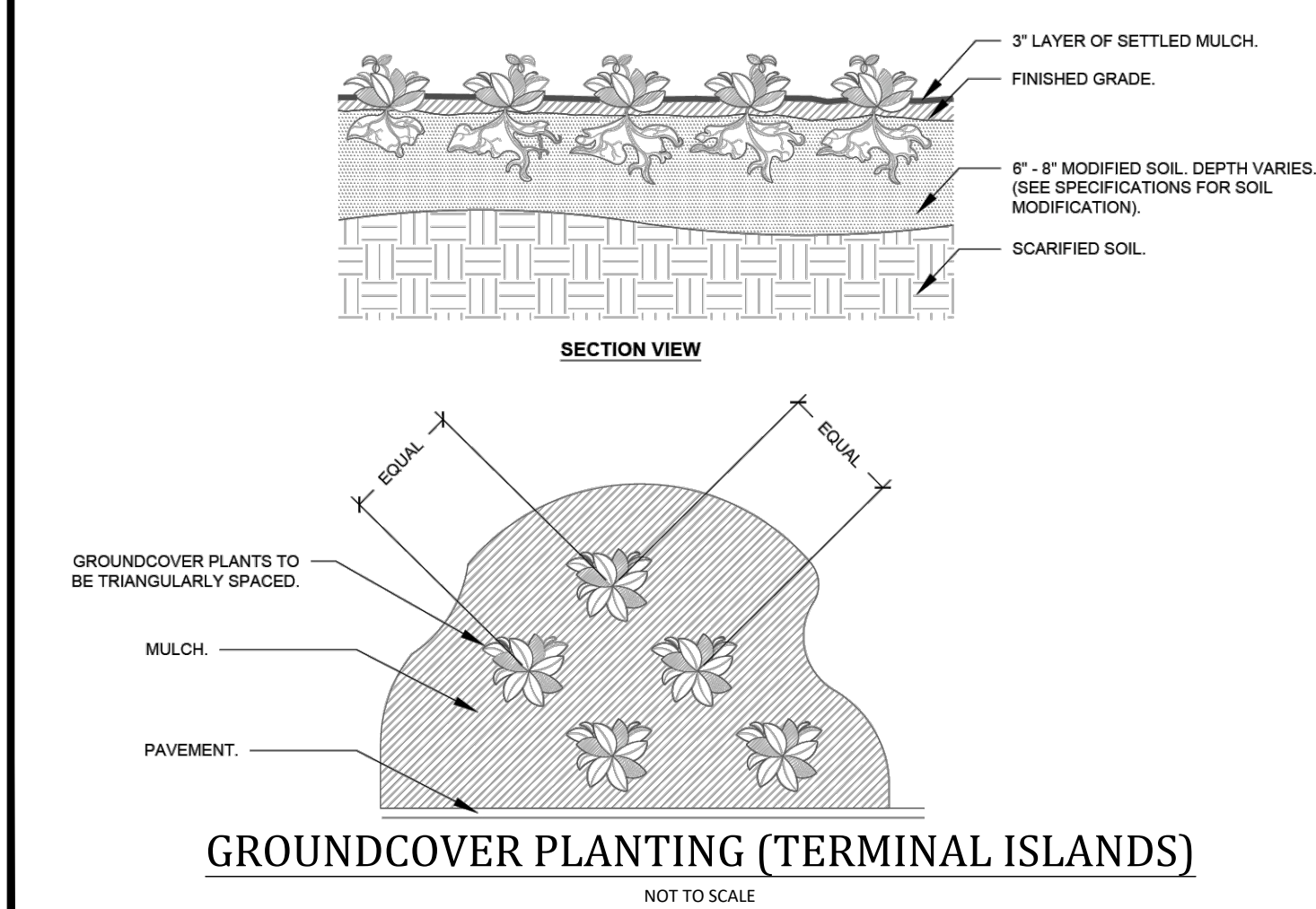


Vegetation Legend:	
	PROPOSED LARGE TREE (CANOPY) TOTAL QUANTITY = 5 CALIPER = 2.5" (MIN) HEIGHT = 8" (MIN.) MATURE HEIGHT = 70' - 85' COMMON NAME: NUTTAL OAK BOTANICAL NAME: QUERCUS NUTTALLII (NATIVE)
	PROPOSED SHRUB(S) TOTAL QUANTITY = 11 HEIGHT = 24" MATURE HEIGHT = 24" - 36" SPACING = 12' (3' FROM '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 = 20 COMMON NAME = GRO-LOW FRAGRANT SUMAC BOTANICAL NAME = RHUS AROMATIA 'GRO-LOW' (NATIVE)
	PROPOSED SHRUBS - TERMINAL ISLAND TOTAL QUANTITY = 24 COMMON NAME = DWARF YALPOUN HOLLY BOTANICAL NAME = ILEX VOMITORIA 'NANA' (NATIVE)

Bufferyard Notes:

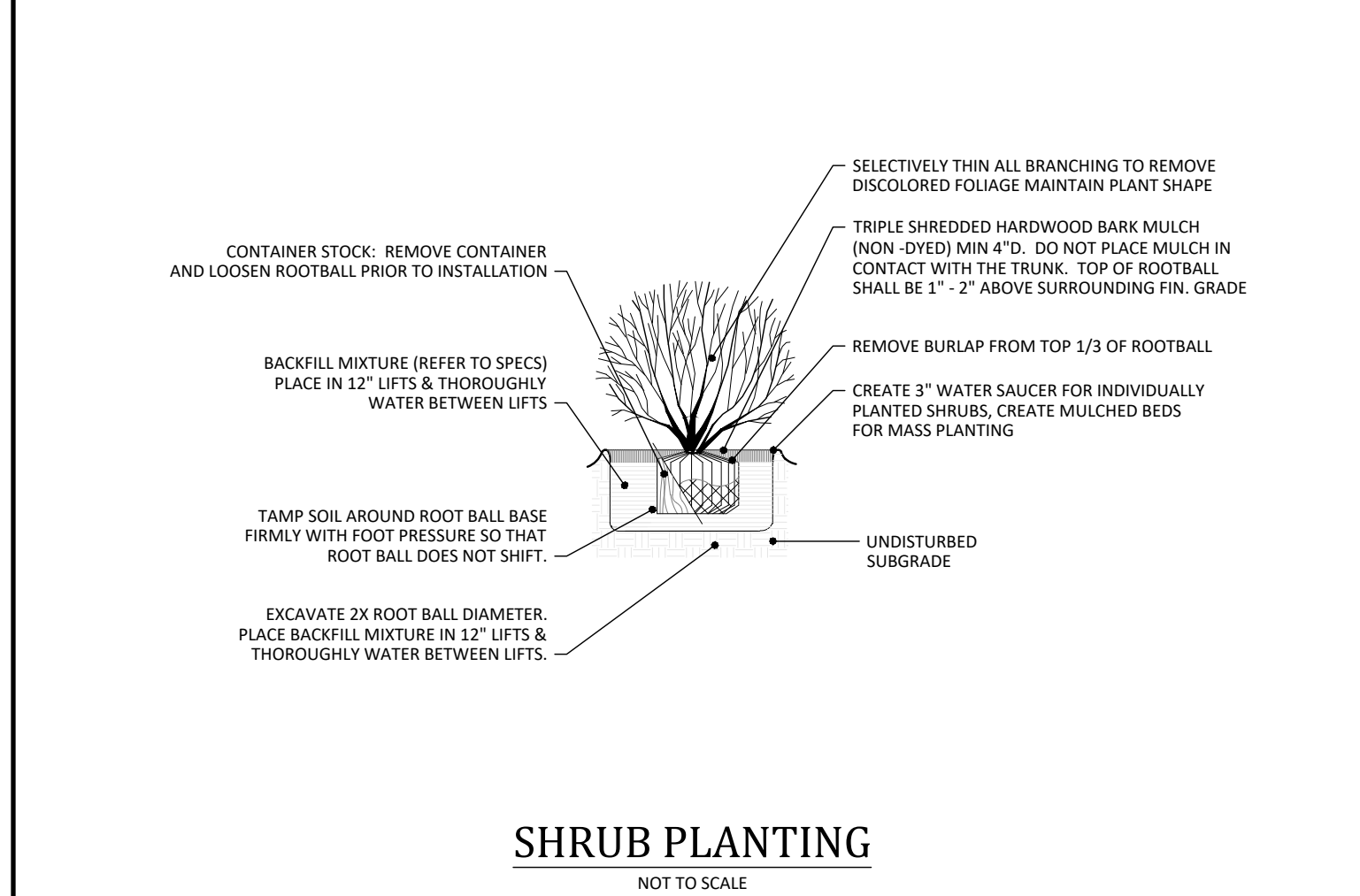
- SITE DATA:
 - PROVIDED VEGETATION FOR LOT:
 - LARGE TREES: 5 PROVIDED
 - REQUIRED STREET VEGETATION:
 - LARGE TREES: S. MAIN STREET = 417 LF / 40' * 1 TREE = 10 TREES (PROVIDED BY MAIN STREET IMPROVEMENTS)
 - UNDERSTORY TREES: S. MAIN STREET = 417 LF / 40' * 2 TREE = 20 TREES (PROVIDED BY MAIN STREET 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 (NCOT U-6241). REFER TO WALLBROOK PRELIMINARY PLAT (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



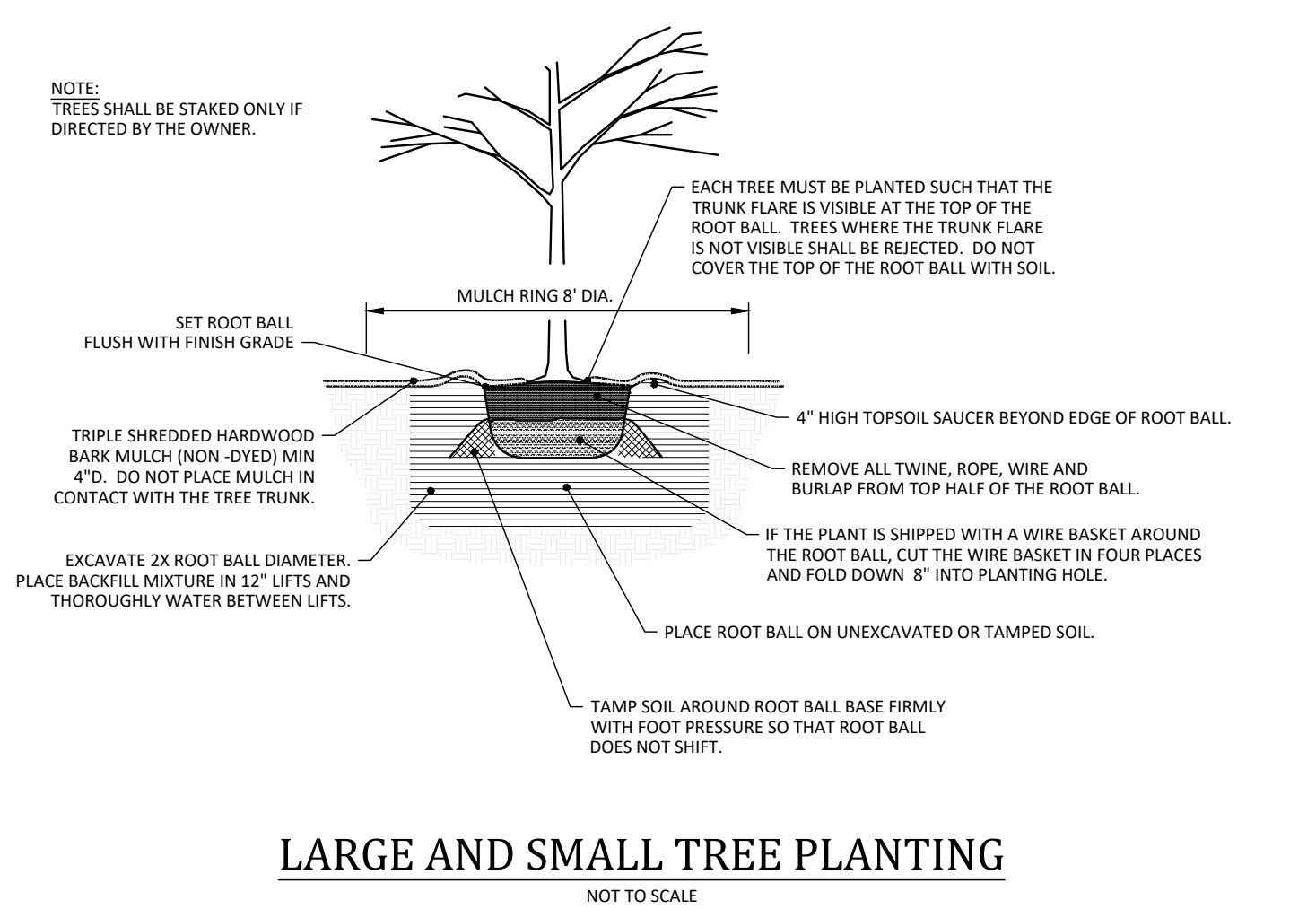
GROUNDCOVER PLANTING (TERMINAL ISLANDS)

NOT TO SCALE



SHRUB PLANTING

NOT TO SCALE



LARGE AND SMALL TREE PLANTING

NOT TO SCALE

REQUIRED VEGETATION PLAN

CHAPEL HILL TIRE AT WALLBROOK

Town of Rolesville Project No. SDP 26-0006

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

ARK CONSULTING GROUP PLLC
ENGINEERS & SURVEYORS
925-A Conference Dr.
Charlotte, NC 28203
(704) 558-0888
www.arkconsultinggroup.com

NC License: PA 1198

APPROVED FOR PERMIT
8/3/2026

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

C5.0

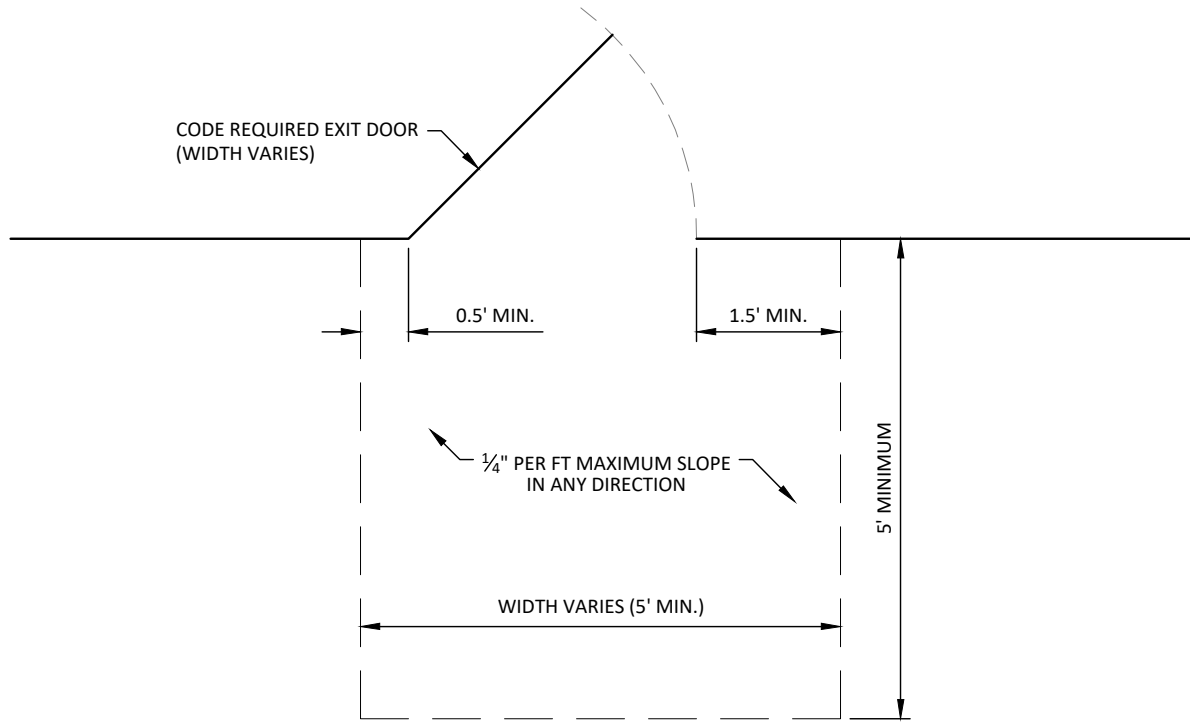
Date: May 31, 2026



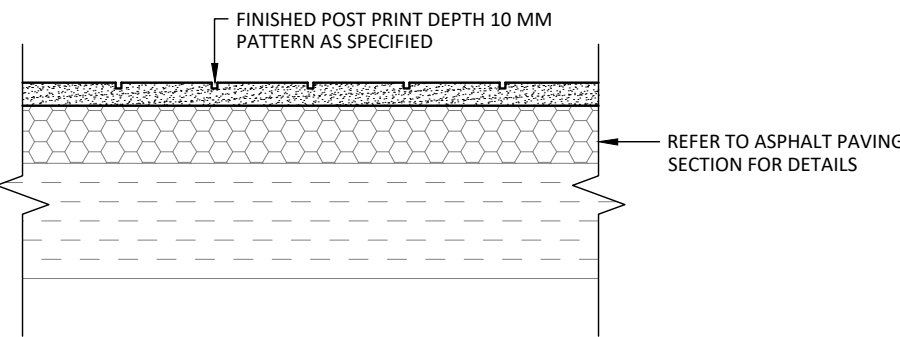
REVISIONS:

#	DATE	DESCRIPTION
2	03-AUG-26	REVISED PER V1 REVIEW COMMENTS
1	31-MAY-26	SUBMIT FOR PERMIT REVIEW

-Final Drawing -
Issued for Permit
Review Purposes Only



REQUIRED BUILDING EXIT DOOR
ACCESSIBLE GRADES
NOT TO SCALE



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

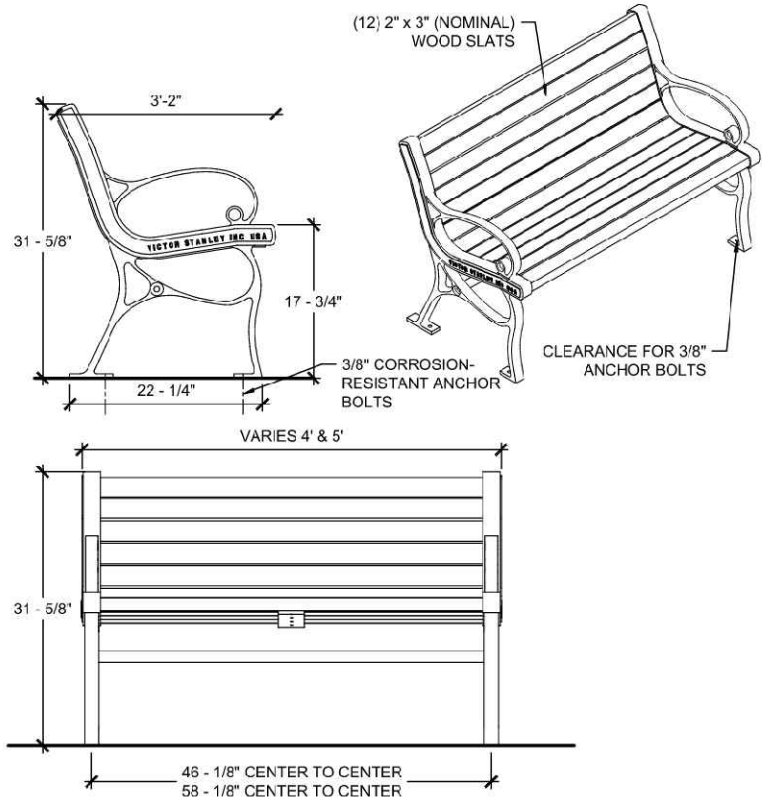
DECORATIVE STREET PRINT TYPE 'B'
PATTERN: SINGLE SOLDIER COURSE
COLOR: COLONIAL BRICK

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



NOT TO SCALE

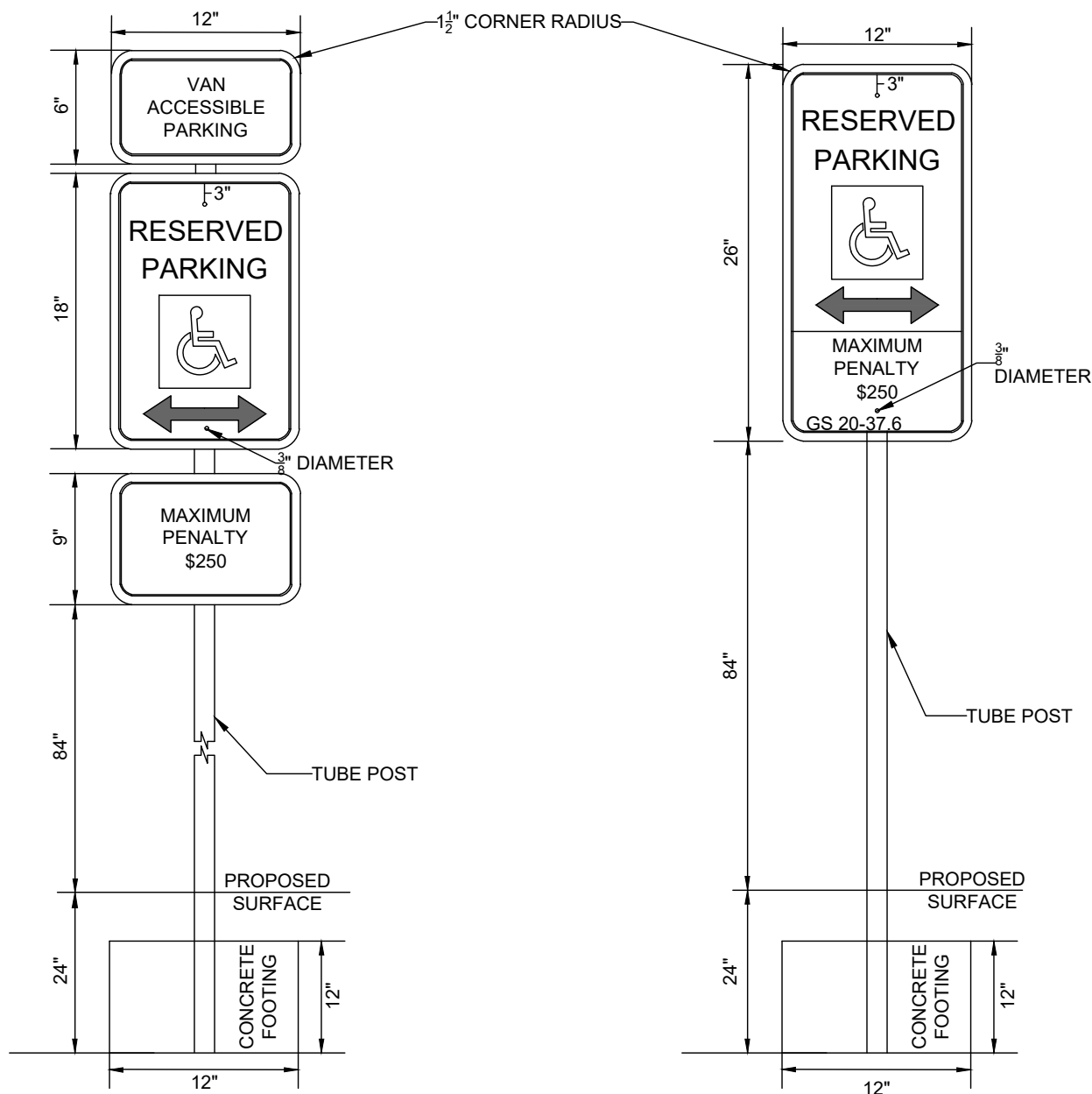


BENCH DETAIL
NOT TO SCALE



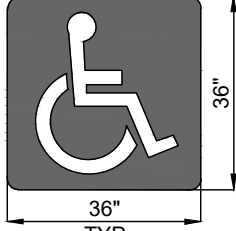
SPECIFICATIONS:
MANUFACTURER:
VICTOR STANLEY
MODEL:
CLASSIC SERIES 4 FT & 5 FT
PRE-WOOD SLATS & DOUBBLE IRON CASTINGS
COLOR:
BLACK POWDER COAT
CONTACT:
JEFF HANLEY
HANLEY & ASSOCIATES
P.L.L.C. 200.800.0000

NOTES:
1. REFER TO SITE PLAN FOR BENCH LOCATIONS.
2. INSTALL PER MANUFACTURER'S DETAILS AND SPECIFICATIONS.
3. CORROSION-RESISTANT ANCHORING HARDWARE SUPPLIED BY CONTRACTOR.
4. *OR APPROVED EQUAL. SPECIFICATIONS AND DRAWINGS TO BE SUBMITTED FOR APPROVAL BY LANDSCAPE ARCHITECT.

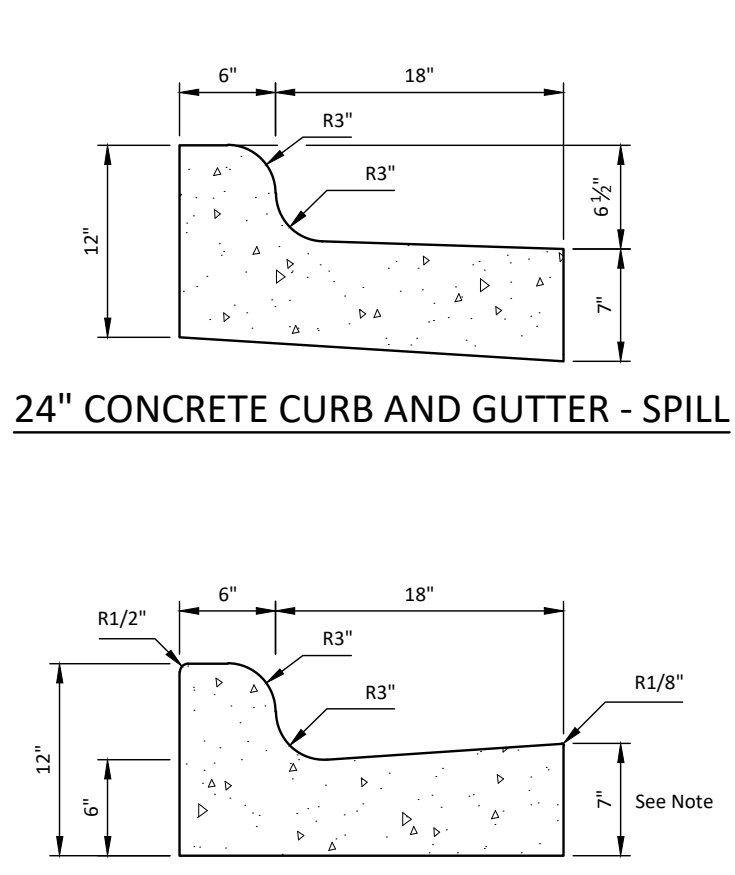


- NOTES:
1. ALL INFORMATION MUST MEET THE CURRENT NORTH CAROLINA DOT STANDARDS, IF CONFLICT ARISES NCDOT STANDARDS SHALL DICTATE.
 2. EACH HANDICAP PARKING SHALL HAVE ITS OWN SIGN.
 3. MEETING ASTM D4956 TYPE I REFLECTOR SHALL BE EFFECTIVE FOR 7 YEARS AND WILL BE RESISTANT TO FADING AND MILD CHEMICALS.
 4. SIGN SHALL BE 0.08" THICK - 18 GAUGE GALVANIZED SHEET METAL.
 5. THE SIGN SHALL HAVE SERVICE TEMP RANGE OF -10°F TO 130°F.
 6. THE AVERAGE TEXT SIZE SHALL BE 1" HELVETICA MEDIUM LETTERS.
 7. HANDICAP SYMBOL SHALL BE WHITE ON A BLUE BACKGROUND.
 8. BACKGROUND OF THE SIGN SHALL BE WHITE.
 9. SIGN SHALL BE ATTACHED TO A 2" STEEL TUBE POST. TUBE SHALL BE PAINTED WITH A SUITABLE FLAT BLACK PAINT - 2 COATS.
 10. THE SIGN SHALL BE MOUNTED TO THE SIGN USING A 3/4" X 2 1/2" LONG STRUSS HEAD GALVANIZED BOLTS THROUGH THE SIGN AND POST. MOUNTED AT THE TOP AND BOTTOM.
 11. MOUNT POST IN BOLLARD. SEE SHEET C6.1 FOR BOLLARD DETAIL.

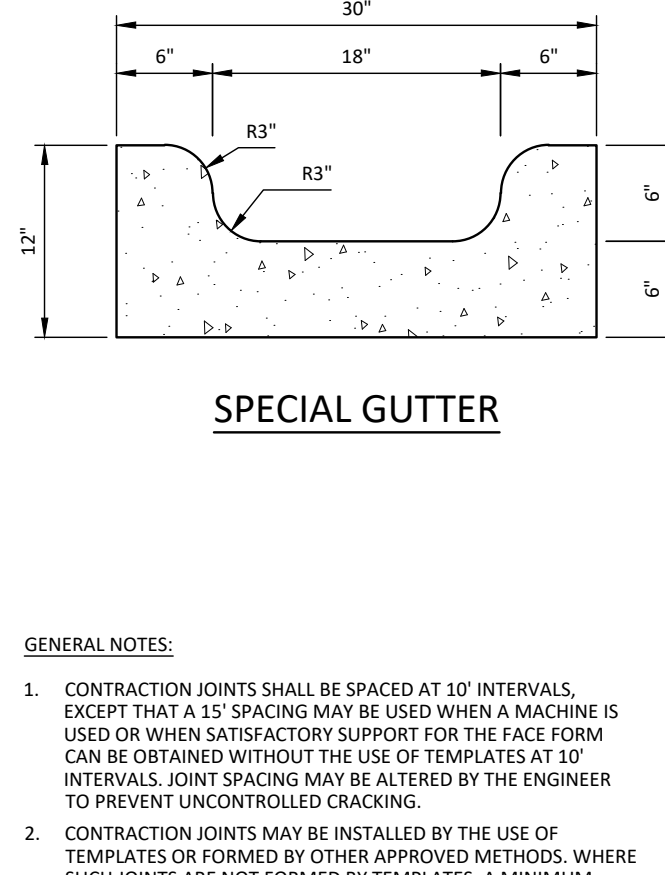
PARKING LOT
STRIPING



ACCESSIBLE PARKING SIGN
NOT TO SCALE

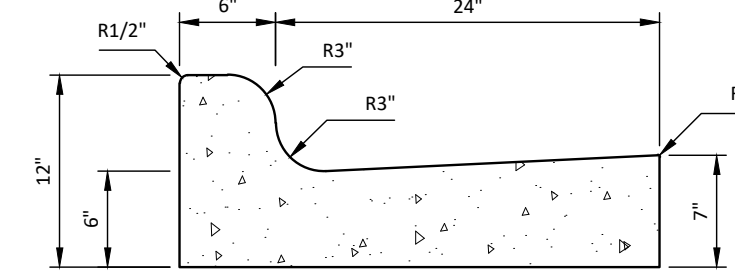


24" CONCRETE CURB AND GUTTER

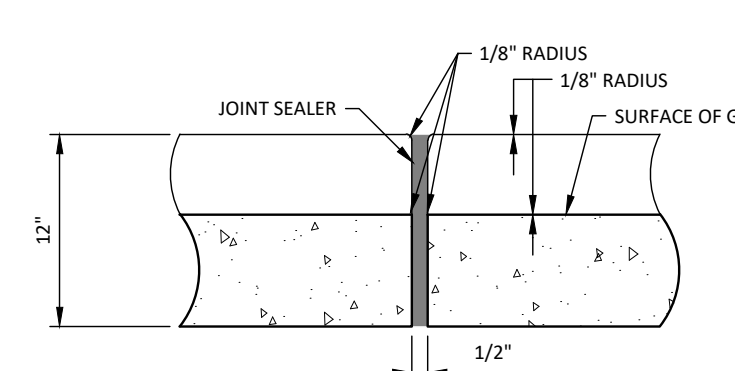


SPECIAL GUTTER

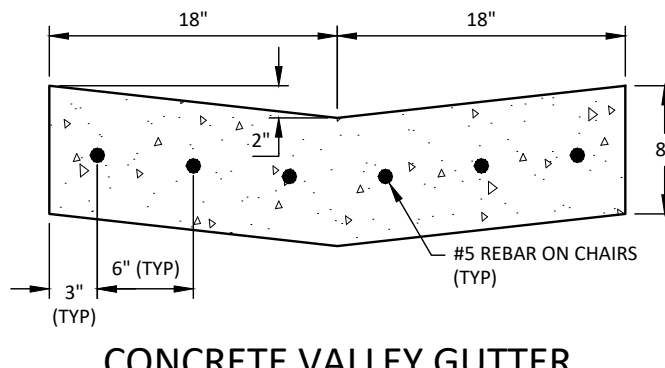
- GENERAL NOTES:
1. CONTRACTION JOINTS SHALL BE SPACED AT 10' INTERVALS, EXCEPT THAT A 15' SPACING MAY BE USED WHEN A MACHINE IS USED OR WHEN SATISFACTORY SUPPORT FOR THE FACE FORM CAN BE OBTAINED WITHOUT THE USE OF TEMPLATES AT 10' INTERVALS. JOINT SPACING MAY BE ALTERED BY THE ENGINEER TO PREVENT UNCONTROLLED 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 3 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 CURB 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.



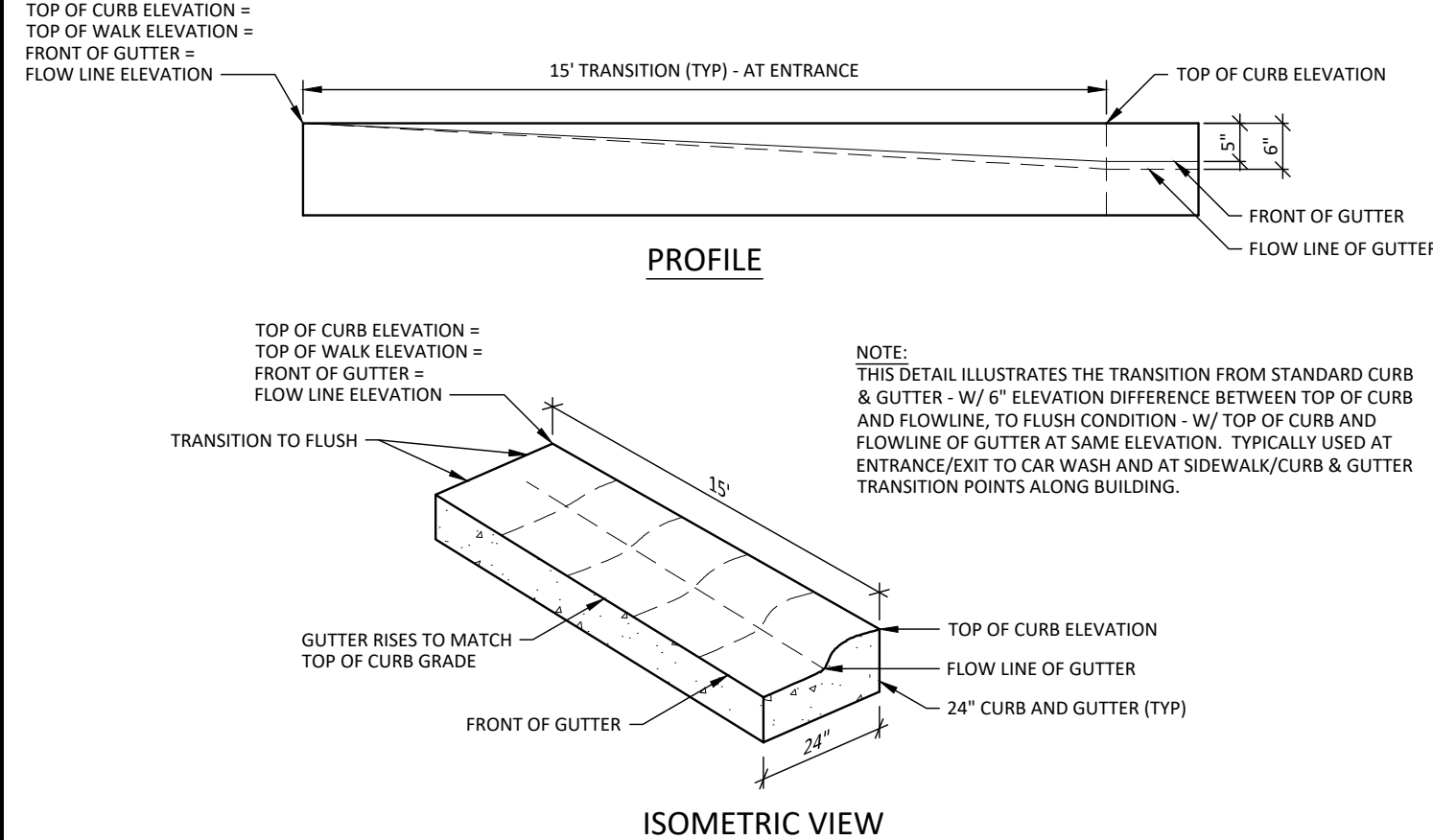
30" CONCRETE CURB AND GUTTER



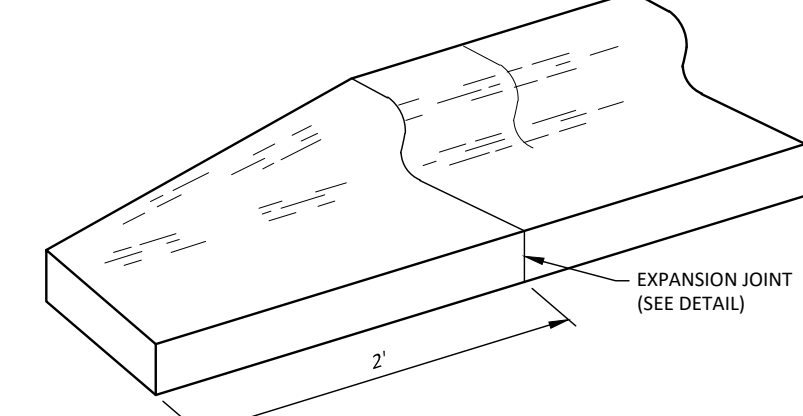
CURB AND GUTTER DETAIL
NOT TO SCALE



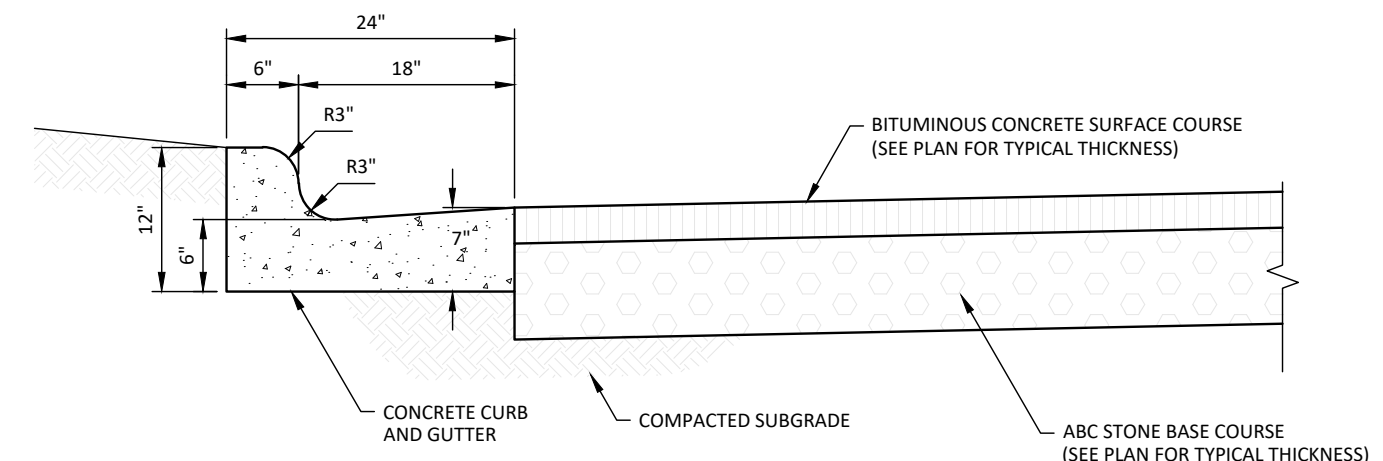
CONCRETE VALLEY GUTTER



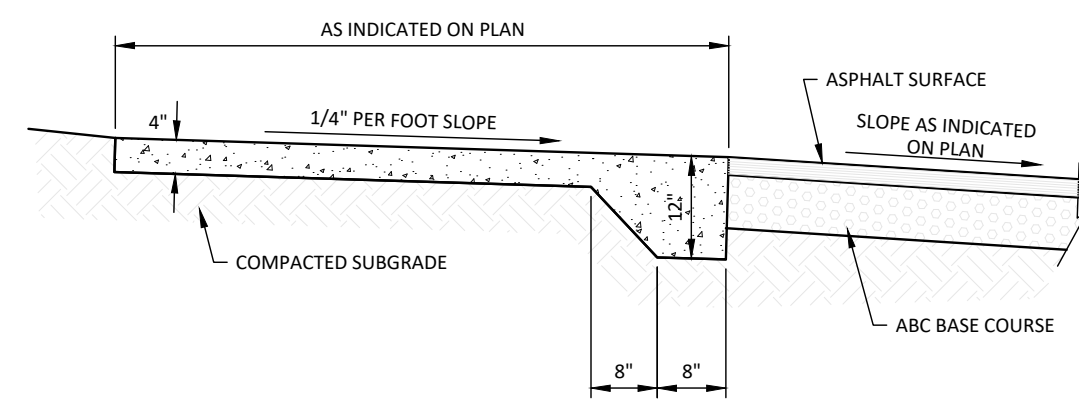
CURB AND GUTTER TO FLUSH PAVING TRANSITION
NOT TO SCALE



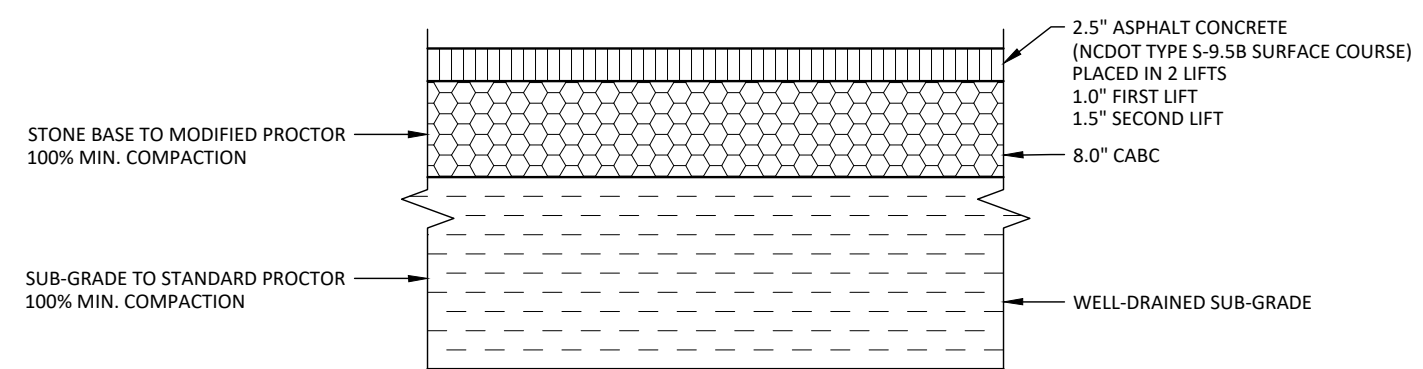
CURB TAPER DETAIL
NOT TO SCALE



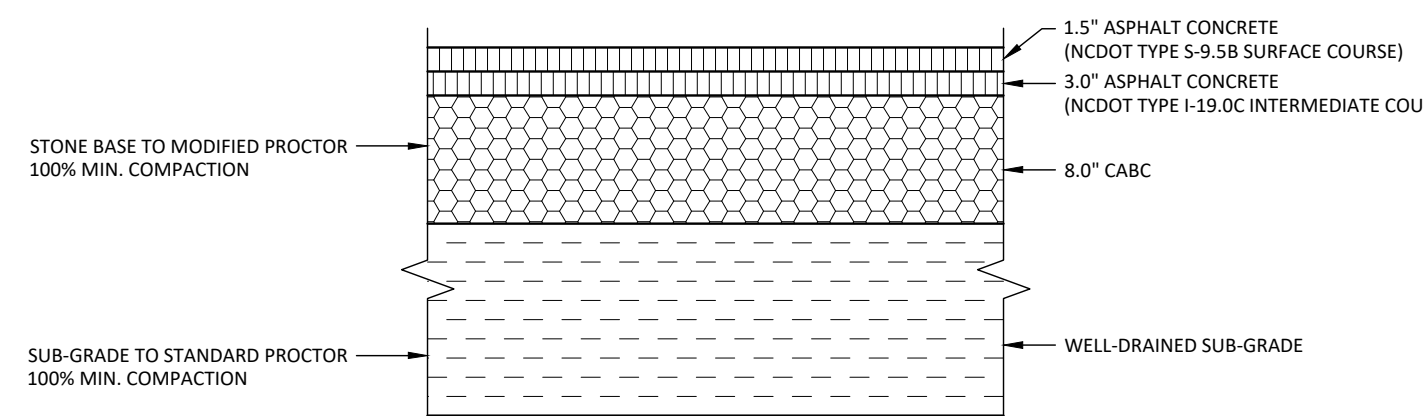
CURB AND GUTTER AND PAVEMENT DETAIL
NOT TO SCALE



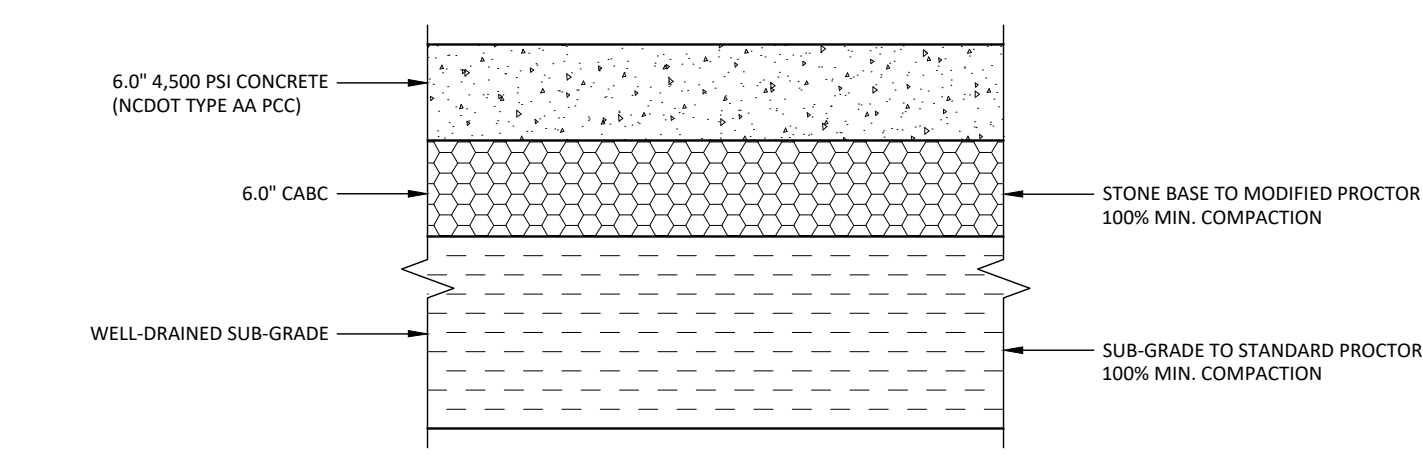
THICKENED EDGE CONCRETE WALK
NOT TO SCALE



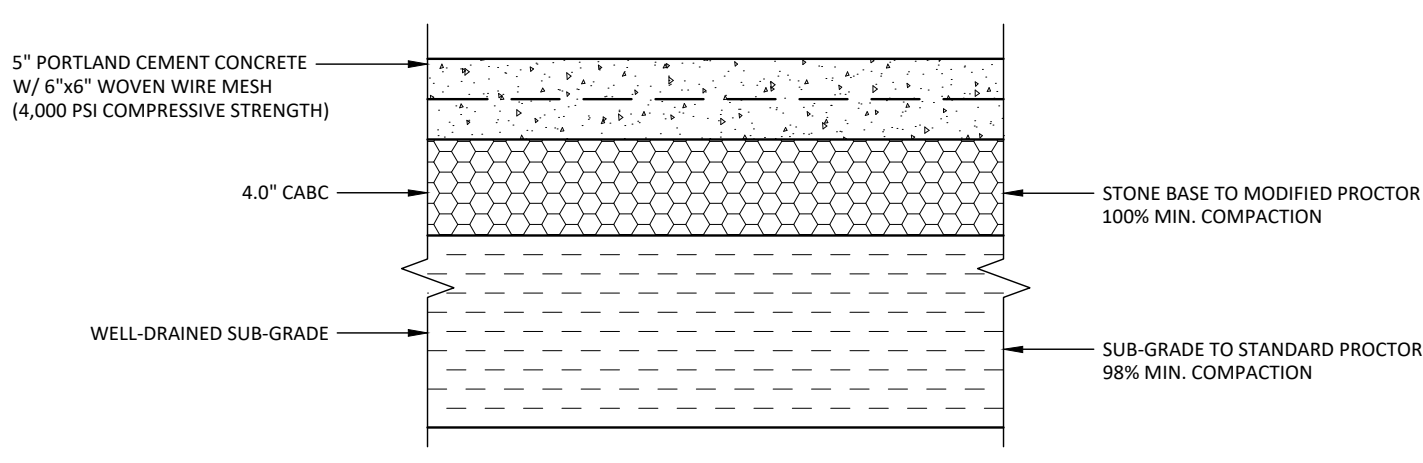
STANDARD ASPHALT PAVEMENT SECTION
NOT TO SCALE



HEAVY DUTY ASPHALT PAVEMENT SECTION
NOT TO SCALE



CONCRETE PAVEMENT SECTION
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 26-0006

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



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

C6.1

Date: May 31, 2026

THE STATE OF NORTH CAROLINA
I, JAMES T. WEST, CERTIFY THAT THIS MAP WAS DRAWN BY
ME UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE
UNDER MY SUPERVISION; DEED DESCRIPTION RECORDED IN ALL
RECORDS SHOWN, THE ERROR OF CLOSURE AS CALCULATED
BY LATITUDES AND DEPARTURES IS 1:23,000+-; THAT THE
BOUNDARIES NOT SURVEYED ARE SHOWN AS BROKEN LINES
PLATTED FROM INFORMATION FOUND AS NOTED; THIS MAP IS
PREPARED IN ACCORDANCE WITH NCOS 47-30 AS AMENDED:

G.P.S. SURVEY WAS PERFORMED UNDER MY SUPERVISION THE
FOLLOWING INFORMATION WAS USED TO PREFORM THE SURVEY:
CLASS OF SURVEY "AA", POSITIONAL ACCURACY 0.05',
GPS PROCEDURE N.C.GRID SURVEY NETWORK RTK
DATUM/EPOCH: NAD 1983 (2011) NAVD 1988
USING FIXED BASE STATION: "STREET"
N: 790,603.03' / E: 2,159,788.08' / ELEVATION: 436.02'
COMBINED GRID FACTOR 0.99982508 GEOD M85012B
UNITS: US SURVEY FOOT, EQUIPMENT: SP-80 GNSS RECEIVER
DATE OF SURVEY: FEBRUARY 26, 2026

WITNESS MY HAND AND SEAL THIS DAY OF MARCH 2026

PRELIMINARY
FOR REVIEW ONLY



STATE OF NORTH CAROLINA
I, JAMES T. WEST, CERTIFY THAT THIS MAP WAS DRAWN BY ME
OR UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE BY ME
OR UNDER MY SUPERVISION; DEED DESCRIPTION RECORDED IN BOOK
AS PG NOTED. THAT THE VERTICAL ERROR IS NOT GREATER THAN
ONE-HALF OF THE INTERVAL OF THE PLATTED CONTOURS OVER 90%
OF THE COVERED AREA.
WITNESS MY HAND AND SEAL THIS DAY OF MARCH, 2026.

JAMES T. WEST L-3392
REG. NO.

GENERAL SURVEY NOTES:

1. THIS PLAT IS NOT FOR RECORDATION
2. ALL CORNERS MONUMENTED AS SHOWN.
3. BROKEN LINES INDICATE PROPERTY LINES NOT SURVEYED.
4. BOUNDARY PREDICATED BY MONUMENTS FOUND: E: 2,159,788.08ft NAD 83 (2011), CSF: 0.99982508
5. AREAS DETERMINED BY THE COGO CALCULATION METHOD.

NCGS "STREET"
N: 790,603.03ft
E: 2,159,788.08ft
NAD 83 (2011),
CSF: 0.99982508

NCGS "TOMS"
CONC. BASE
NO DISK FND
N: 787,882.60ft
E: 2,155,817.62ft
NAD 83 (2011)
CSF: 0.99982503
GPS OBSERVED
ELEV: 405.18ft

NOTE:
LOT 8B STORMWATER MANAGEMENT
AND STORAGE IS SERVED BY AN
UNDERGROUND STRUCTURE BEING
BUILT ON LOT 8A, PER NOTE ON
ARK CONSULTING PLAN 12/4/2025.

NOTE:
LOT 8B WILL HAVE SANITARY SEWER
CONNECT TO WALL CREEK DRIVE PER
PER ARK CONSULTING PLAN 12/4/2025.

N/F
FH-HOF-ROLESVILLE LLC
DB 19845 PG 1077
REAL ID# 0528544
PIN#1758 67 1619
ZONED: GC-CZ
LOT 8A "WALLBROOK LOT 8"
BOM 2025 PG 987



PROTECTION OF EXISTING UTILITIES

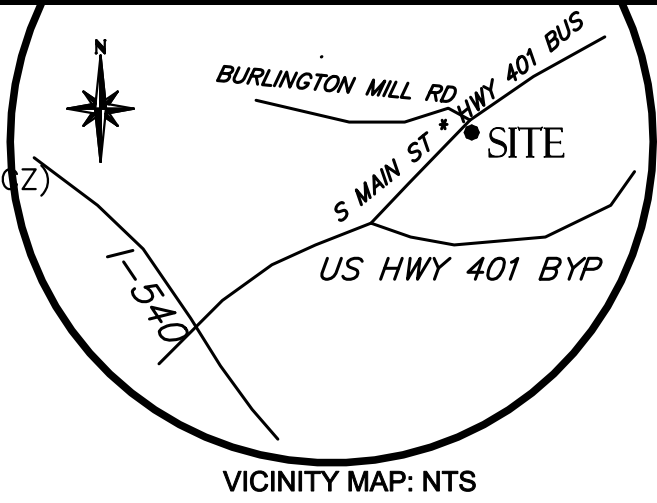
CONTRACTOR SHALL CONTACT THE APPROPRIATE AGENCY FOR THE EXACT FIELD
LOCATIONS OF ALL WATER, SEWER, ELECTRIC, TELEPHONE, TELEVISION AND ANY
OTHER UNDERGROUND AND OVERHEAD UTILITY BEFORE STARTING CONSTRUCTION.
THE OMISSION FROM OR THE INCLUSION OF UTILITY LOCATION ON THE
CONTRACT DRAWINGS IS NOT TO BE CONSIDERED AS THE NON-EXISTENCE
OF OR A DEFINITE LOCATION OF EXISTING UTILITIES. IT SHALL BE THE
RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION AND DEPTH
OF ALL UNDERGROUND UTILITIES ALONG THE ROUTE OF WORK.
CAROLINA ONE CALL (800) 632-4949

ZONING INFORMATION.

ZONING RESTRICTIONS AS PER TOWN OF ROLESVILLE
UNIFIED DEVELOPMENT ORDINANCE (U.D.O.)
Zoning District: GENERAL COMMERCIAL-CONDITIONAL ZONING (GC-CZ)
Setbacks:
Front: 20'
Side: 15'
Rear: 35'
FOR FURTHER INFORMATION CONTACT THE TOWN OF ROLESVILLE
PLANNING & ZONING AT 919 554 6517

NUM	DELTA	ARC	RADIUS	BEARING	DISTANCE
C1	4°34'20"	235.70'	2953.50'	N51°05'51"E	235.64'
C2	0°13'58"	46.62'	11465.50'	N53°30'00"E	46.62'
C3	1°05'19"	70.31'	3700.00'	N54°18'48"E	70.31'

NUM	DISTANCE	BEARING
L1	4.33'	S36°12'58"E
L2	12.69'	S48°15'56"W
L3	10.70'	S23°56'19"E
L4	12.24'	S46°10'29"E
L5	10.00'	S43°37'45"W
L6	14.24'	N46°10'29"W
L7	17.06'	N23°56'42"W



US HIGHWAY 401 BUSINESS
SOUTH MAIN STREET
VARIABLE WIDTH R/W
AS SHOWN ON PLANS FOR
N.C.D.O.T. PROJECT U-6241
DB 18992 PG 412 + BOM 2025 PG 987

LEGEND

NIP	NEW IRON SET	EXISTING RIP-RAP
EP	EXISTING IRON PIN	EXISTING UTILITY POLE
CP	COMPUTED POINT	EXISTING CURB AND GUTTER
SN	SET MAG NAIL	EXISTING FENCE
R/W	RIGHT-OF-WAY	EXISTING UNDERGROUND ELECTRIC LINE
ESMT	EX EASEMENT (AS LABELED)	EXISTING OVERHEAD POWER LINE
TCE	TEMPORARY CONSTRUCTION ESMT	EXISTING UNDERGROUND TELEPHONE LINE
PSE	PERMANENT SLOPE ESMT	EXISTING SANITARY SEWER LINE
PUE	PERMANENT UTILITY ESMT	EXISTING DOMESTIC WATER LINE
PDE	PERMANENT DRAINAGE ESMT	EXISTING FIRE PROT. WATER LINE
R/R/O	RIGHT IN / RIGHT OUT	EXISTING NAT. GAS
EXISTING SIGN	EXISTING SIGN	EXISTING STORM DRAIN
EXISTING LIGHT POLE	EXISTING LIGHT POLE	EXISTING DROP INLET
EXISTING FIRE HYDRANT	EXISTING FIRE HYDRANT	EXISTING CATCH BASIN
EXISTING WATER VALVE	EXISTING WATER VALVE	EXISTING FLARED END SECTION
EXISTING WATER METER	EXISTING WATER METER	EXISTING STORM MANHOLE
EXISTING GAS VALVE	EXISTING GAS VALVE	
EXISTING GAS METER	EXISTING GAS METER	
EXISTING SEWER MANHOLE	EXISTING SEWER MANHOLE	
EXISTING SEWER CLEANOUT	EXISTING SEWER CLEANOUT	

ALL OF THAT CERTAIN LOT OR PARCEL OF LAND SITUATE, LYING AND
BEING IN THE TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA,
AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

LOT 8B, "WALLBROOK LOT 8" BM 2025 PG 986-988
BEING PART OF THE SAME PROPERTY DESCRIBED IN
TITLE COMMITMENT #2026106886

THE UNDERSIGNED BEING A REGISTERED SURVEYOR OF THE STATE OF
NORTH CAROLINA CERTIFIES TO * PONS FAMILY, LLC
* FIRST HORIZON BANK, ITS SUCCESSORS AND/OR ASSIGNS AS THEIR
INTERESTS MAY APPEAR
* INVESTORS TITLE INSURANCE COMPANY

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON
WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2011 MINIMUM
STANDARDS DETAIL REQUIREMENTS FOR ALTA/CASM LAND TITLE SURVEYS,
JOINTLY ESTABLISHED AND ADOPTED BY THE ALTA AND NSPS AND INCLUDES
INCLUDES ITEMS 1, 2, 3, 4, 6b, 7a, 8, 11b, 13, 14, 16, 17, 18, 19 AND 20 OF
TABLE "A" THEREOF, THE FIELD WORK WAS COMPLETED ON MARCH 4, 2026.
DATE OF MAP OF SURVEY: MARCH 2026

JAMES T. WEST NCPLS# 3392 DATE:

TABLE "A" NOTES:

1. THIS SURVEY WAS MADE IN ACCORDANCE WITH LAWS AND/OR
MINIMUM STANDARDS OF THE STATE OF NORTH CAROLINA.
2. ALL UTILITIES SERVING THE PROPERTY ENTER THROUGH ADJOINING
PUBLIC STREETS AND/OR EASEMENTS OF RECORD AS SHOWN.
3. THIS PROPERTY IS LOCATED WITHIN AN AREA HAVING A FLOOD ZONE
DESIGNATION "X" BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY
(FEMA) ON FLOOD INSURANCE RATE MAP NO 372017580K, WITH DATE
OF IDENTIFICATION OF 7/19/2022, FOR COMMUNITY NO. 370468, IN THE
TOWN OF ROLESVILLE, WAKE COUNTY. STATE OF NORTH CAROLINA, WHICH
IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN
WHICH THE PROPERTY IS SITUATED.
4. THERE ARE NO ENCROACHMENTS ONTO ADJOINING PREMISES, STREETS OR
ALLEYS BY ANY BUILDINGS, STRUCTURES OR OTHER IMPROVEMENTS LOCATED
ON THE PROPERTY, AND NO ENCROACHMENTS ONTO THE PROPERTY BY
BUILDINGS, STRUCTURES OR OTHER IMPROVEMENTS SITUATED ON ADJOINING
PREMISES EXCEPT WHERE SHOWN.
5. THE PROPERTY HAS DIRECT ACCESS TO AND FROM SOUTH MAIN ST (US
HWY 401 BUS) AND WALL CREEK DR. (ACROSS LOT 8A) WHICH ARE BOTH
DEDICATED PUBLICLY MAINTAINED ROADWAYS.
6. THE PROPERTY IS A VACANT PARCEL OF LAND.
7. THERE IS OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING
CONSTRUCTION OR BUILDING ADDITIONS AT THE PROPERTY.
8. THERE ARE NO FURTHER CHANGES IN STREET RIGHT OF WAY LINES AFFECTING
THE PROPERTY, ACCORDING TO THE TOWN OF ROLESVILLE, WAKE COUNTY OR
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION.
9. THERE IS OBSERVED EVIDENCE OF RECENT STREET AND SIDEWALK CONSTRUCTION
AND/OR REPAIRS ALONG THE RIGHT OF WAY FOR SOUTH MAIN ST (US HWY 401
BUS) OR WALL CREEK DR.
10. THERE IS NO OBSERVED EVIDENCE OF USE OF THE PROPERTY AS A SOLID
WASTE DUMP, SUMP OR SANITARY LANDFILL.

TITLE COMMITMENT NO. 2026106886

SCHEDULE "B" - PART II - EXCEPTIONS:

3. MATTERS SHOWN ON FINAL SUBDIVISION PLAT OF "WALLBROOK LOT 8"
RECORDED IN BOOK OF MAPS (BM) 2025 PAGE (PG) 986-988
WAKE COUNTY REGISTRY
AS SHOWN ON SURVEY
4. MATTERS SHOWN ON INTERMEDIATE SUBDIVISION OF "WALLBROOK"
RECORDED IN BOOK OF MAPS (BM) 2023 PAGE (PG) 1600-1602
WAKE COUNTY REGISTRY
AS SHOWN ON SURVEY
5. PERMANENT DRAINAGE EASEMENT (ESMT), TEMPORARY CONSTRUCTION ESMT, &
PERMANENT UTILITY ESMT.
RECORDED IN DEED BOOK (DB) 18992 PAGE 412 AND BM 2025 PAGE 986-988
WAKE COUNTY REGISTRY
AS SHOWN ON SURVEY
6. RIGHTS OF WAY TO WAKE ELECTRIC MEMBERSHIP CORPORATION.
RECORDED IN DB 3888 PG 917 AND BM 2025 PG 986-988
WAKE COUNTY REGISTRY
AS SHOWN ON SURVEY
7. EASEMENT TO WAKE ELECTRIC MEMBERSHIP CORPORATION.
RECORDED IN DB 863 PG 211 AND 212
WAKE COUNTY REGISTRY
BLANKET EASEMENT, UNPLOTTABLE
8. SLOPE EASEMENT TO NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT)
RECORDED IN DB 14395 PG 2087 AND BM 2023 PG 1600 - 1602
WAKE COUNTY REGISTRY
AS SHOWN ON SURVEY
9. EASEMENTS AND ADDITIONAL R/W TAKING TO NCDOT
RECORDED IN DB 18992 PG 412 AND BM 2025 PG 986-988
WAKE COUNTY REGISTRY
AS SHOWN ON SURVEY
10. TERMS AND CONDITIONS OF THE SEWER LINE EASEMENT TO CITY OF RALEIGH
RECORDED IN DB 19386 PG 1216, DB 19388 PG 2188
WAKE COUNTY REGISTRY
DO NOT IMPACT THIS PROPERTY
11. TERMS AND CONDITIONS OF THE ACCESS EASEMENT TO PARCEL# 8
RECORDED IN DB 19463 PG 2098
WAKE COUNTY REGISTRY
BLANKET EASEMENT, UNPLOTTABLE
12. TERMS AND CONDITIONS OF THE TEMPORARY CONSTRUCTION EASEMENT TO PARCEL# 8
RECORDED IN DB 19463 PG 2255 AND DB 19533 PG 2478
WAKE COUNTY REGISTRY
BLANKET EASEMENT, UNPLOTTABLE
13. RIGHTS OF OTHERS THERETO ENTITLED IN AND TO THE CONTINUED UNINTERRUPTED
FLOW OF WATER THROUGH DITCHES, STREAMS, CREEKS OR CULVERTS CROSSING THE
LAND, OR IN AN ADJOINING POND INCIDENT TO THE LAND, WITHOUT DIMINUTION.
AS SHOWN ON SURVEY
14. EVIDENTIARY HEARING FINDINGS OF FACT AND CONCLUSIONS OF LAW WITH CONDITIONS
RECORDED IN DB 18481 PG 470
WAKE COUNTY REGISTRY
BLANKET CONDITIONS, UNPLOTTABLE
15. RIGHTS OF OTHERS FOR INGRESS AND EGRESS PURPOSES IN AND TO THE USE OF
EASEMENTS, EGRESS, EGRESS PURPOSES LOCATED ON THE LAND.
BLANKET CONDITIONS, UNPLOTTABLE
16. MATTERS SHOWN ON SURVEY ENTITLED "HALL OF FAME CARWASH"
PREPARED BY ARK CONSULTING GROUP DATED 9/15/2025
AS IT RELATES TO LOT 8B, AS SHOWN ON SURVEY

LAND AREA:
2.40 ACRES or 104,544 SQ FT (TOTAL)

ALTA/NSPS BOUNDARY & TOPOGRAPHIC SURVEY OF

633 S. MAIN STREET
ROLESVILLE NC 27571

P/O DB 19845 PG 1077 * REAL ID# 0509438
PIN#1758 67 2944

LOT 8B, "WALLBROOK LOT 8" BM 2025 PG 987

OWNED BY: FH-HOF-ROLESVILLE LLC

SURVEYED FOR: PONS FAMILY, LLC

DATE: MARCH 2026

SCALE: 1" = 30'

TOWN OF: ROLESVILLE

COUNTY: WAKE

STATE: NORTH CAROLINA

HARRISBURG
SURVEYING

DEUT. V: 27-17/PROV. V: 22-28

115 Plaza Dr Harrisburg, N.C.

(704) 455-9553 PHONE

http://www.harrisburgsurveying.com

DRAWN BY: SDG

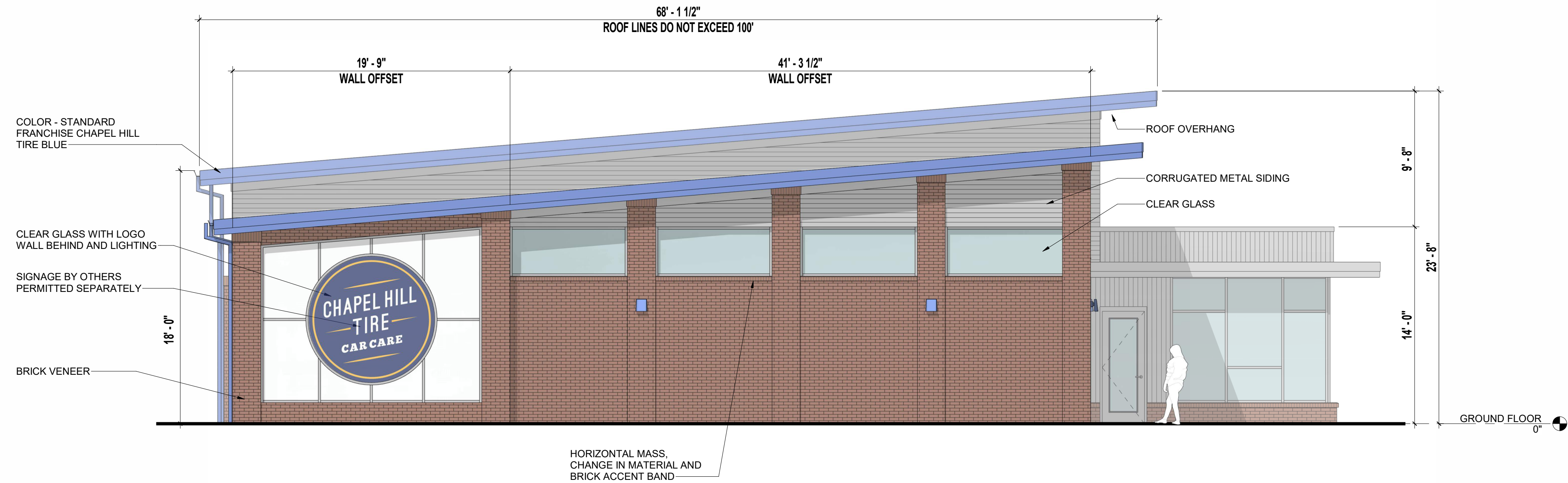
COMP BY: JTW

REVISION #: 3/10/2026

ALTA PER COUNSEL COMMENTS

NSC&B31:

260209



DIMENSIONS AND NOTES ADDED TO REPRESENT ALL DESIGN STANDARDS IN LDO SECTION 6.8.2

MATERIAL CALCULATIONS

- WALL AREA MINUS GLASS: 677 SF - 100%
- MASONRY AREA: 583 SF - 86%
- METAL SIDING AREA: 94 SF - 14%

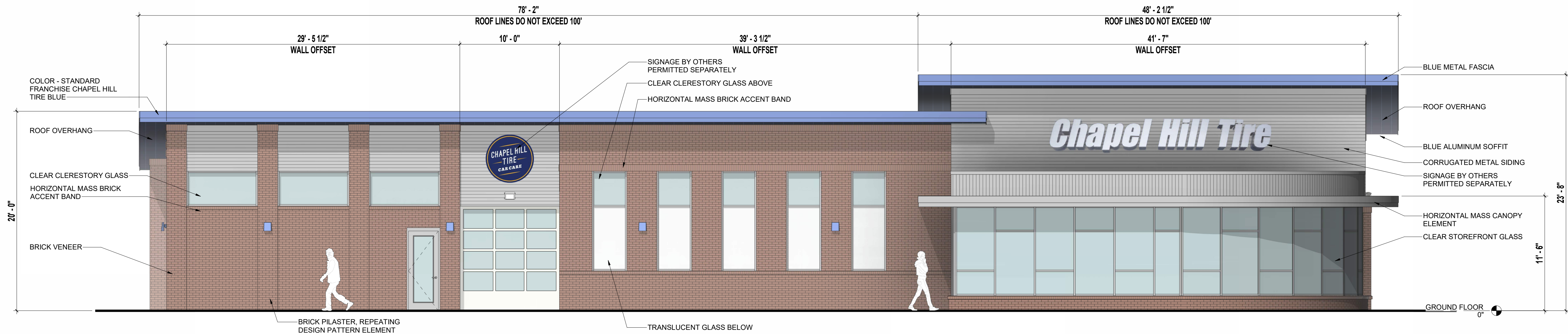
TRANSPARENCY CALCULATIONS

- OVERALL FACADE AREA: 980 SF
- GLASS AREA: 303 SF
TRANSPARENCY REQ'D: 30%
TRANSPARENCY PROVIDED: 31%

2
A201

SIDE ELEVATION (PUBLIC ST. FACING)

SCALE: 3/16" = 1'-0"



DIMENSIONS AND NOTES ADDED TO REPRESENT ALL DESIGN STANDARDS IN LDO SECTION 6.8.2

MATERIAL CALCULATIONS

- WALL AREA MINUS GLASS: 1,589 SF - 100%
- MASONRY AREA: 967 SF - 61%
- METAL SIDING AREA: 622 SF - 39%

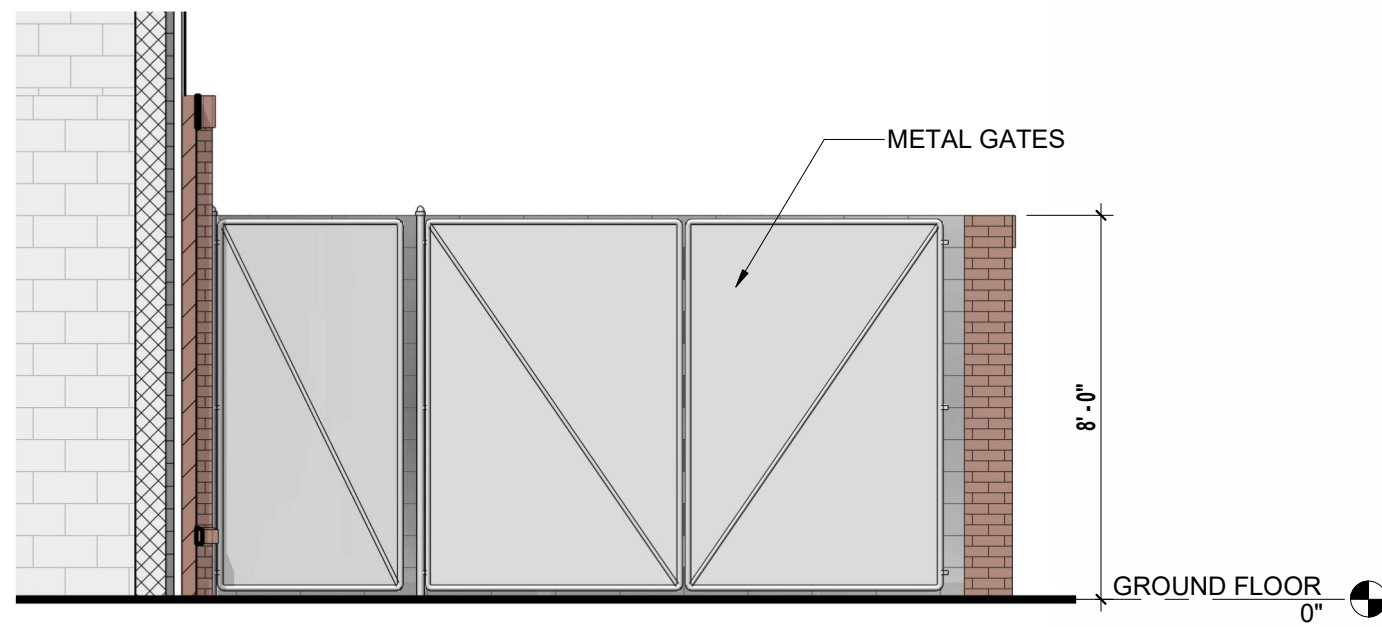
TRANSPARENCY CALCULATIONS

- OVERALL FACADE AREA: 2,343 SF
- GLASS AREA: 754 SF
TRANSPARENCY REQ'D: 30%
TRANSPARENCY PROVIDED: 32%

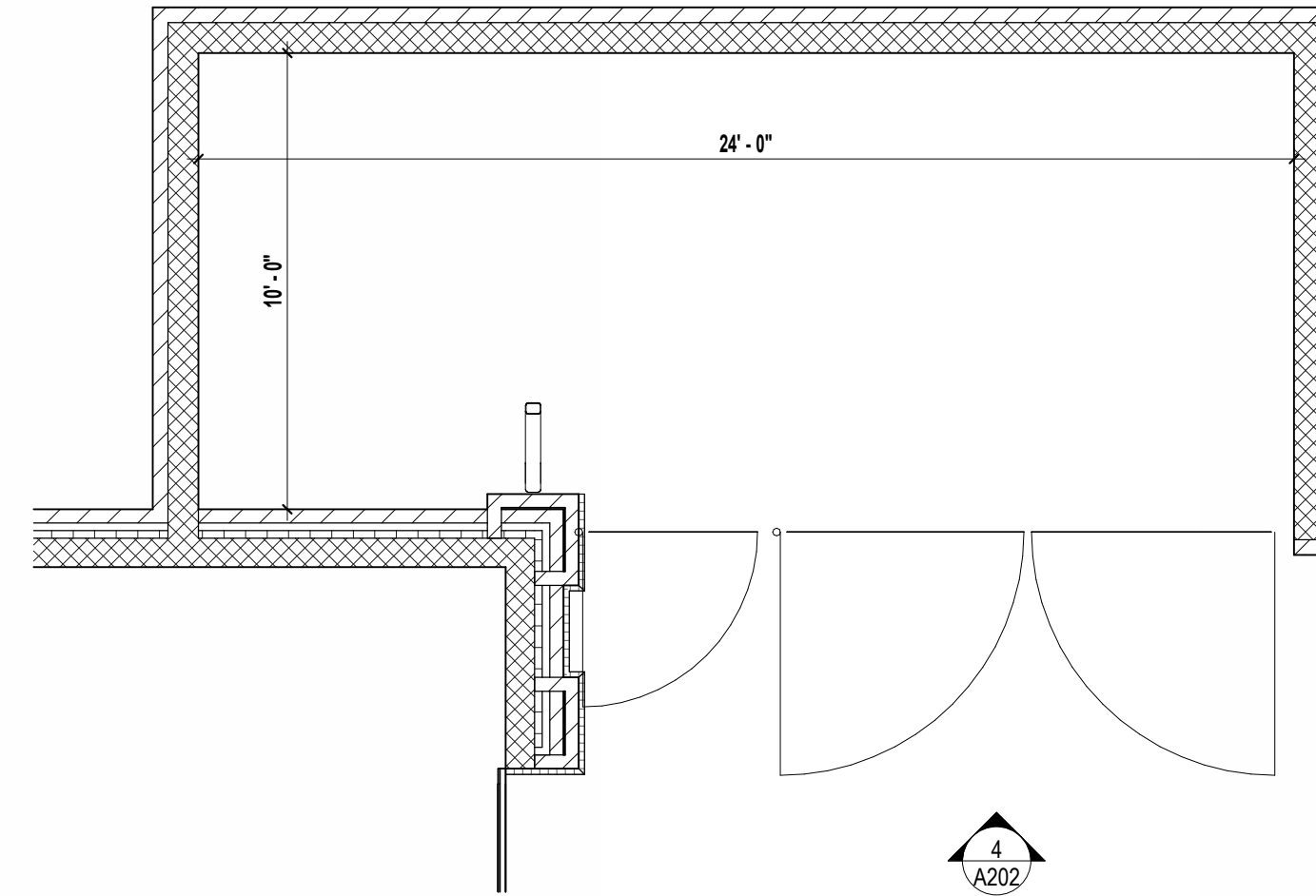
1
A201

FRONT ELEVATION (PRIVATE ST. FACING)

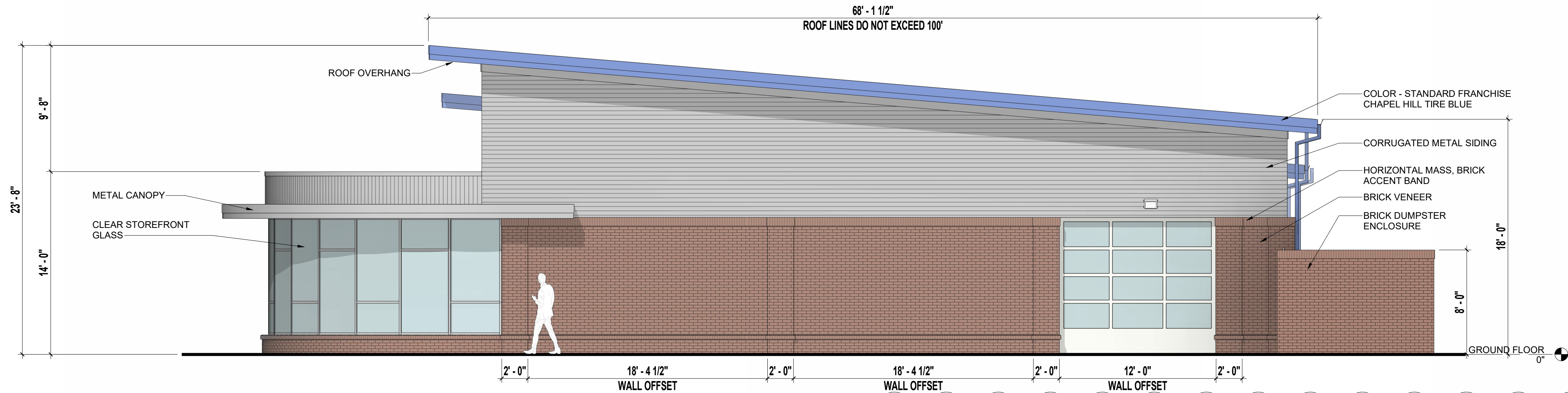
SCALE: 3/16" = 1'-0"



4 DUMPSTER FRONT ELEVATION
SCALE: 1/4" = 1'-0"



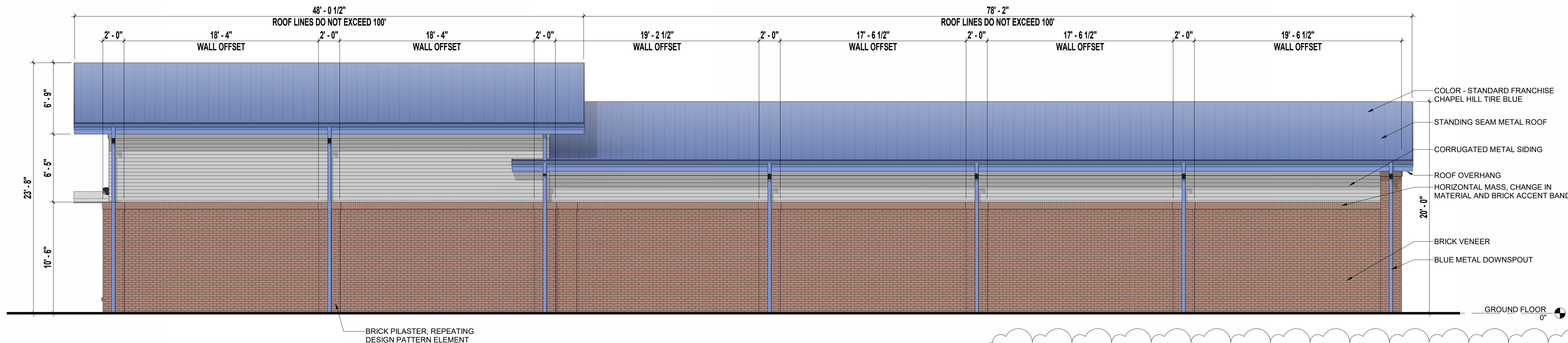
3 DUMPSTER ENCLOSURE PLAN
SCALE: 1/4" = 1'-0"



ELEVATION DOES NOT FACE A STREET RIGHT-OF-WAY OR DRIVE AISLE THAT SERVES AS A CONNECTION. DESIGN STANDARDS REQUIREMENTS NOT APPLICABLE PER LDO SECTION 6.8.2.B

DIMENSIONS AND NOTES ADDED TO REPRESENT ALL DESIGN STANDARDS IN LDO SECTION 6.8.2

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



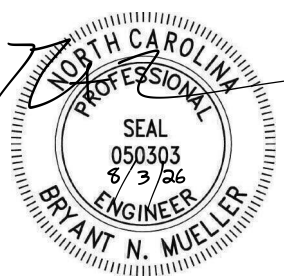
ELEVATION DOES NOT FACE A STREET RIGHT-OF-WAY OR DRIVE AISLE THAT SERVES AS A CONNECTION. DESIGN STANDARDS REQUIREMENTS NOT APPLICABLE PER LDO SECTION 6.8.2.B

DIMENSIONS AND NOTES ADDED TO REPRESENT ALL DESIGN STANDARDS IN LDO SECTION 6.8.2

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

MSE RETAINING WALL
CONSTRUCTION PLANS
FOR
CHAPEL HILL TIRE AT WALLBROOK
ROLESVILLE, NORTH CAROLINA

INDEX OF SHEETS	
RETAINING WALL PROFILE	1
WALL DETAILS	2
SPECIFICATIONS	3
(FOR PLAN VIEW REFERENCE) SITE PLAN C2.0	



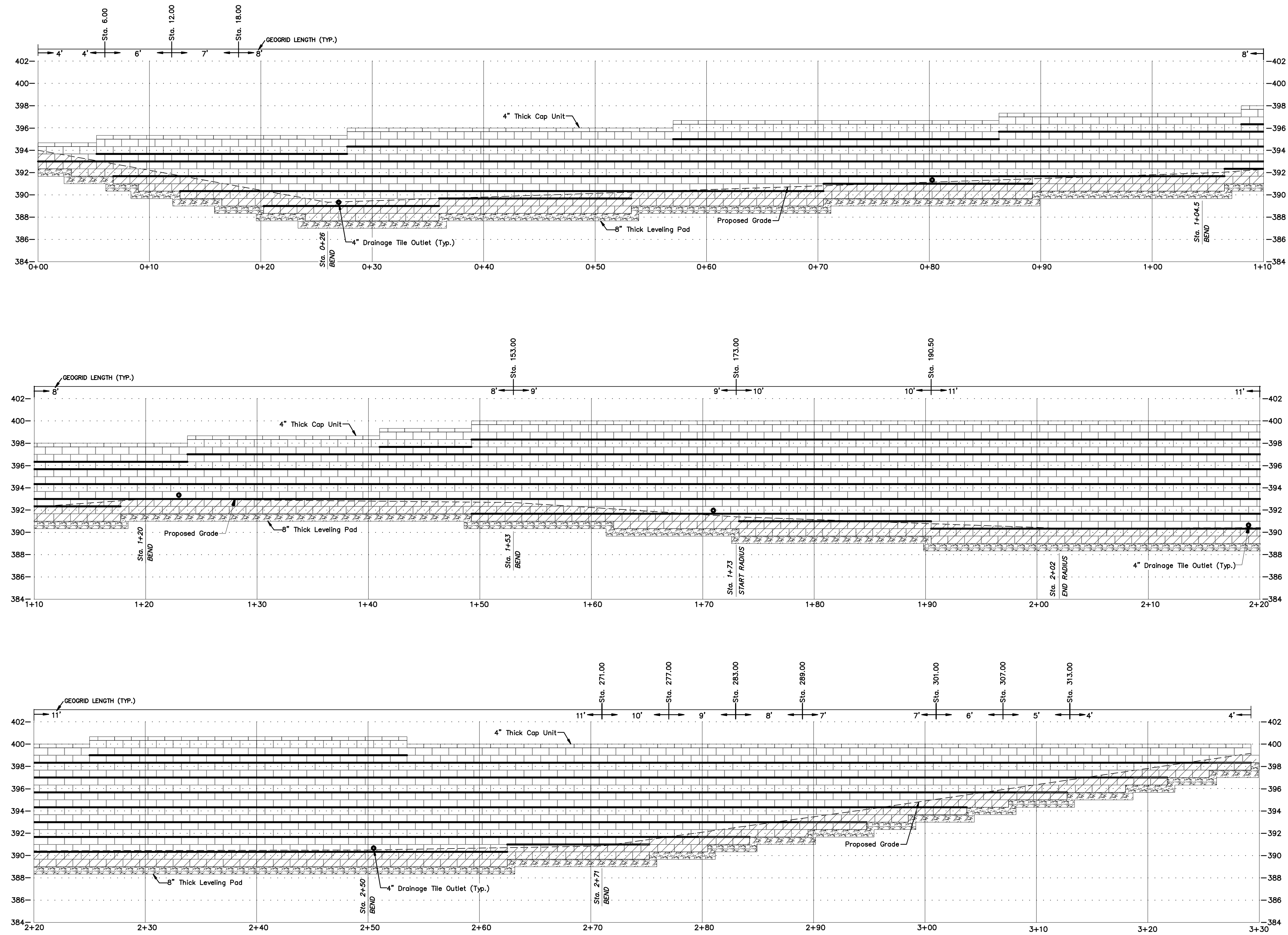
NO.	REVISIONS

TM Engineering, Inc.
103 Hawthorn Court
CARY, NC 27513
(919) 468-2545

Company #NC-3201

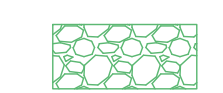
CHAPEL HILL TIRE
ROLESVILLE, NC

DATE 8-3-26

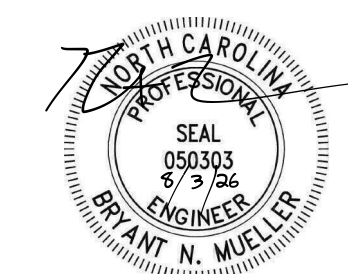


WALL PROFILE

SCALE: 1"=5'

-  = Miragrid 3XT Geogrid
-  = Leveling Pad
-  = Embedded Blocks

NOTE: FILL MATERIALS IN THE REINFORCED ZONE SHOULD CONSIST OF A GRANULAR MATERIAL SUCH AS QUARRY SCREENINGS, ABC STONE, WASHED #57 OR #67 STONE, OR A SIMILAR APPROVED MATERIAL. SUBMIT SAMPLES OF ALL PROPOSED REINFORCED BACKFILL MATERIAL TO OWNERS GEOTECHNICAL REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO START OF CONSTRUCTION.



NO.	REVISIONS

TM Engineering, Inc.

103 Hawthorn Court
CARY, NC 27513
(919) 468-2545
Company #NC-3201

CHAPEL HILL TIRE
ROLESVILLE, NC

DATE 8-3-26
SHEET 1 OF 3

* REFER TO TYPICAL REINFORCED WALL SECTION FOR ALL OTHER NOTES, DETAILS AND SPECIFICATIONS.

COLUMN TUBE OR PVC PIPE TO BE INSTALLED DURING WALL CONSTRUCTION - POST FOOTING WILL REQUIRE HAND EXCAVATION AS TO NOT DAMAGE GEOGRID

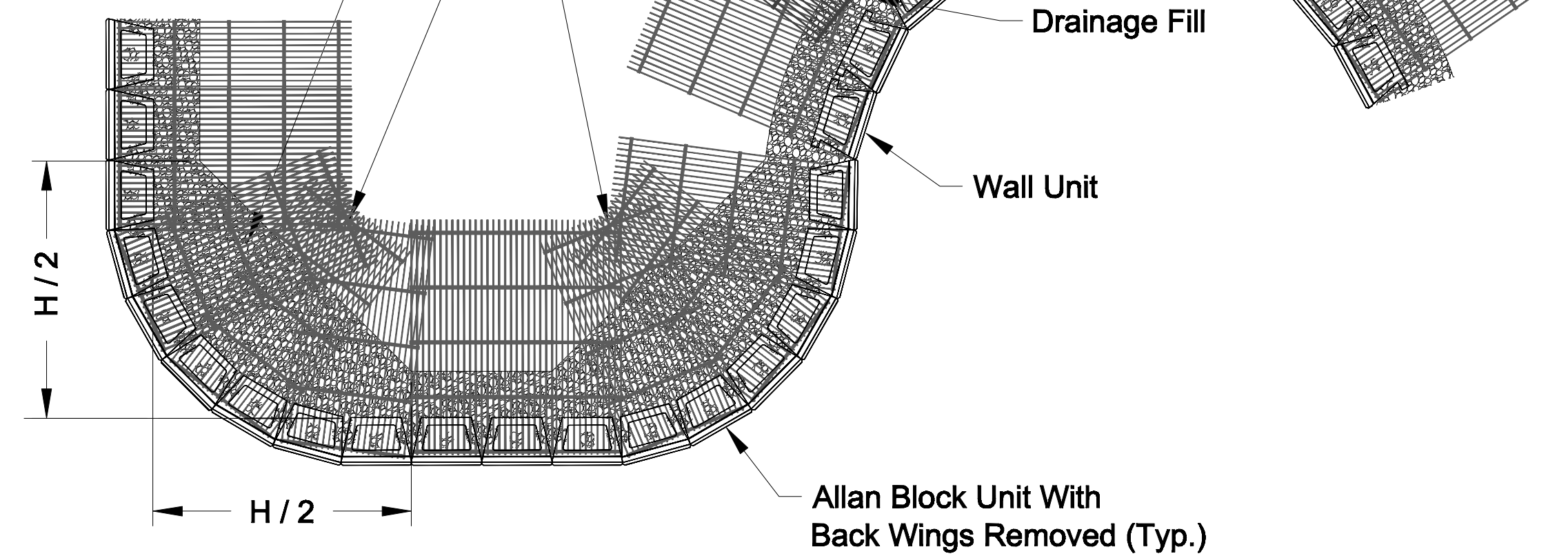
ALLAN BLOCK UNIT

Fence Section Detail

Place Additional Pieces of Geogrid When Angle Exceeds 20°

3" of Soil Fill is Required Between Overlapping Geogrid for Proper Anchorage (Typ.)

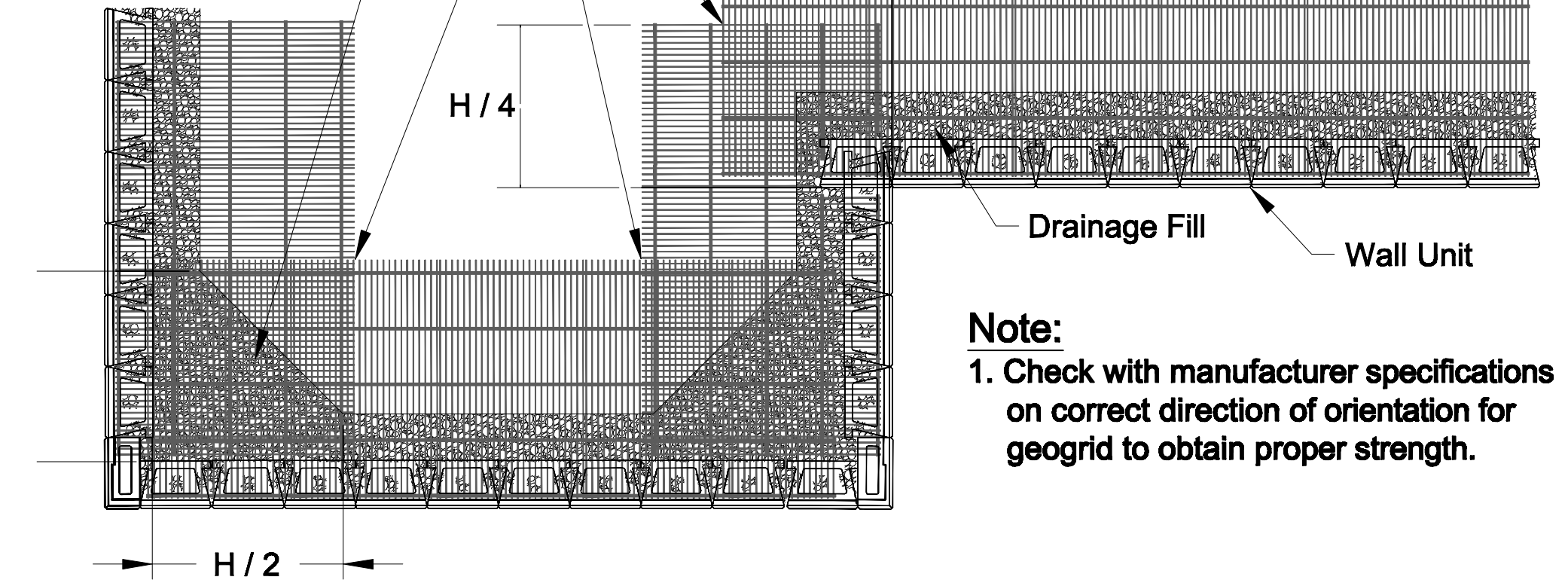
Additional Drainage Fill Extend Wall Height / 2



Geogrid Installation on Curves

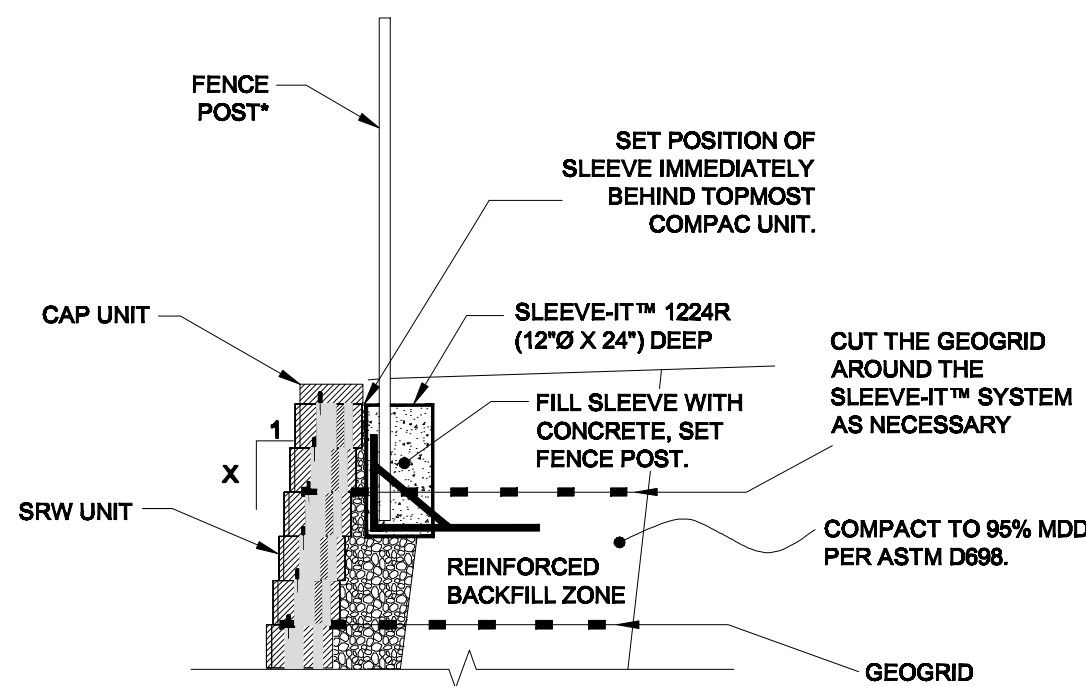
3" of Soil Fill is Required Between Overlapping Geogrid for Proper Anchorage (Typ.)

Additional Drainage Fill Extend Wall Height / 2

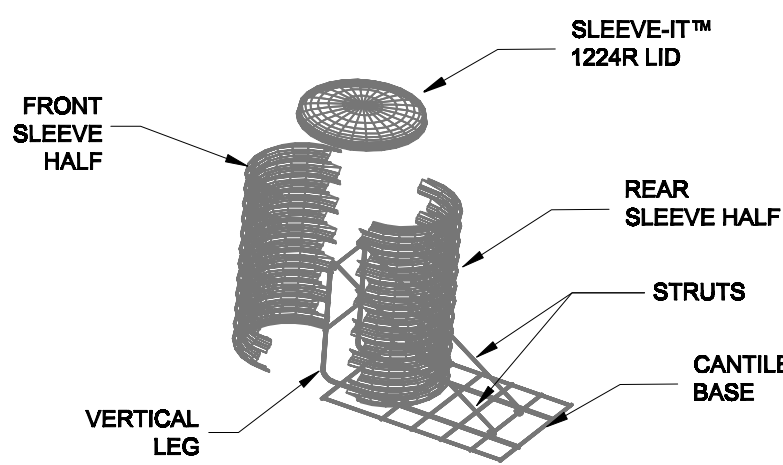


Note:
1. Check with manufacturer specifications on correct direction of orientation for geogrid to obtain proper strength.

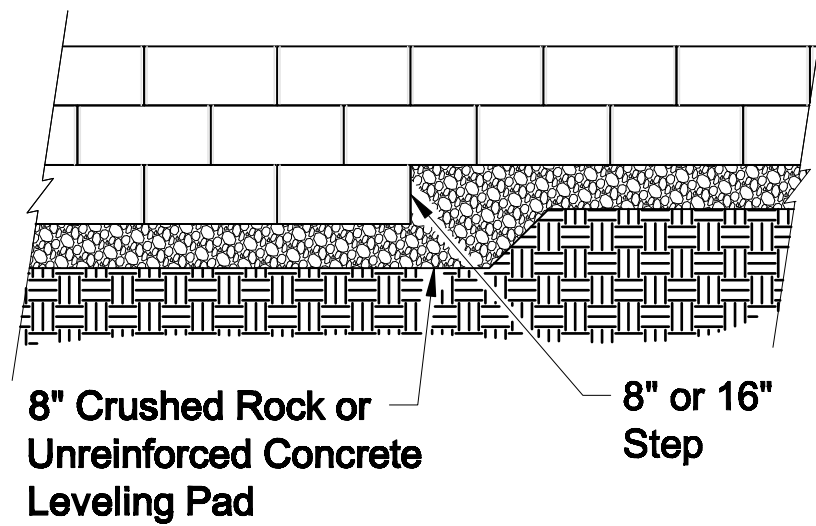
Geogrid Installation at Corners



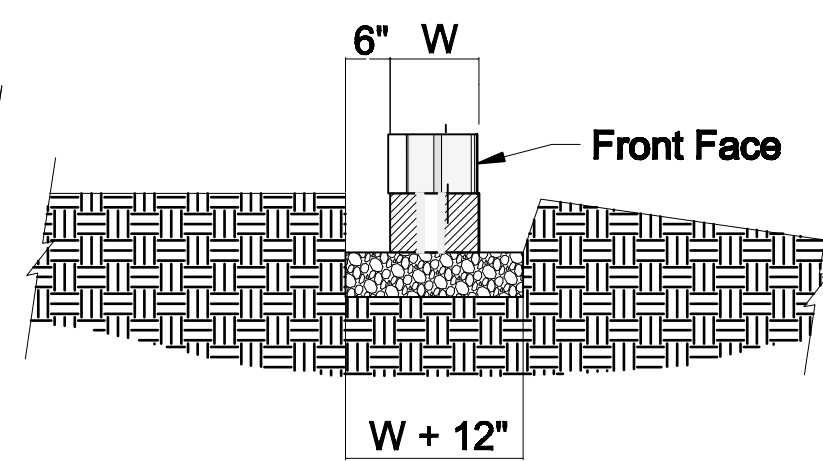
DETAIL OF FENCE POST INSTALLATION USING SLEEVE-IT™ 1224R
N.T.S.



*FENCING SYSTEMS APPROVED FOR USE WITH THE SLEEVE-IT™ 1224R ARE LIMITED TO THE FOLLOWING HEIGHTS: CHAIN LINK - UP TO 8-FT, PRIVACY - UP TO 6-FT (WOODEN, PVC, METAL). POST SIZE 4\"/>

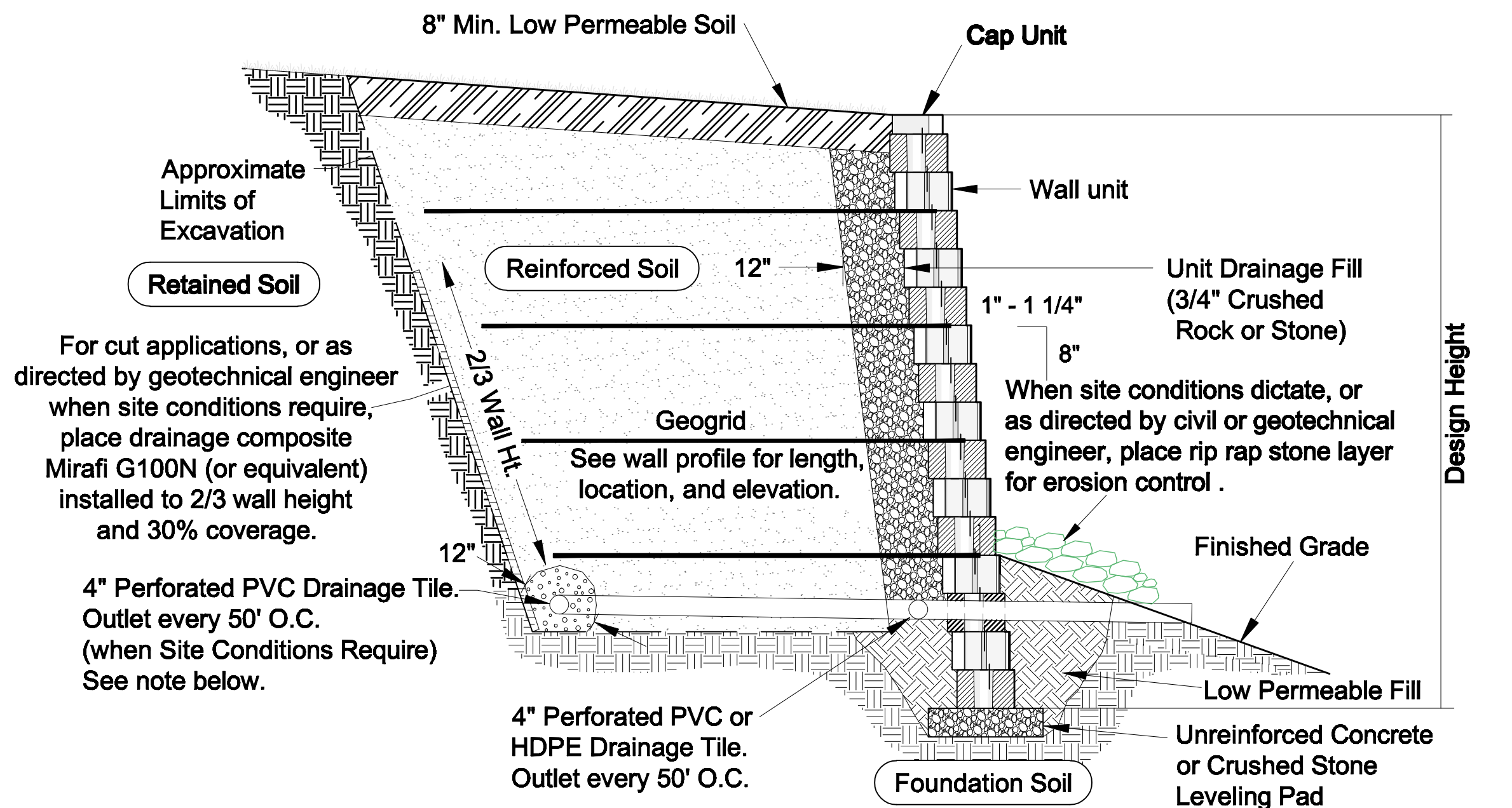


Elevation



Section
Leveling Pad Detail

Note:
1. The leveling pad is to be constructed of crushed stone or 2000 psi ± unreinforced concrete.



For cut applications, or as directed by geotechnical engineer when site conditions require, place drainage composite Mirafi G100N (or equivalent) installed to 2/3 wall height and 30% coverage.

4" Perforated PVC Drainage Tile. Outlet every 50' O.C. (when Site Conditions Require) See note below.

Note:
As directed by engineer when site conditions require, wrap drainage tile in #57 or #67 washed stone and 8oz. nonwoven filter fabric and place with drainage composite or aggregate back drain system.

Note:
SOIL BEARING CAPACITY OF 3,000 PSF IS ASSUMED EXCEPT AS NOTED.

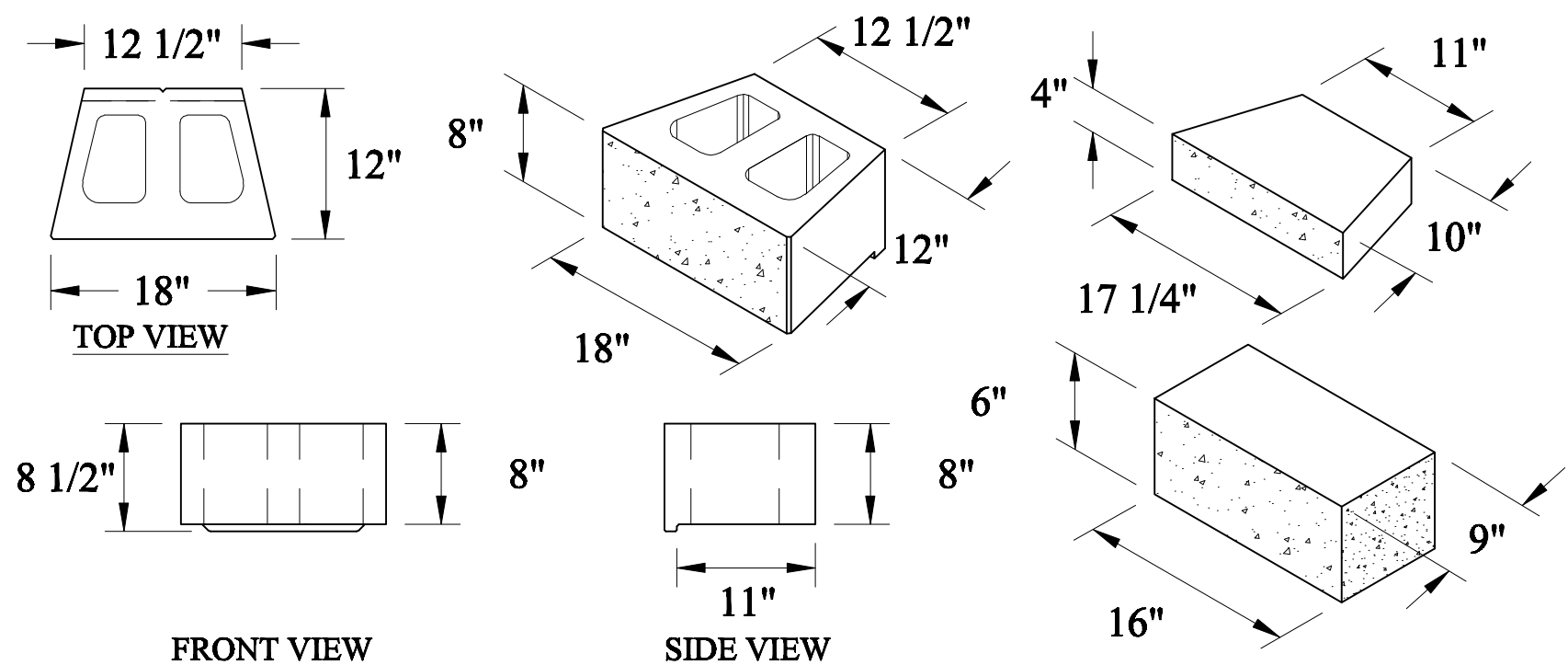
Typical Reinforced Wall Section

RETAINING WALL DETAILS

NO SCALE THIS SHEET

Alternate Fence Detail (where specified)

ANCHOR DIAMOND PRO BLOCK DETAILS



NO.	REVISIONS

TM Engineering, Inc.	
103 Hiowatha Court CARY, NC 27513 (919) 468-2545	Company #NC-3201
CHAPEL HILL TIRE ROLESVILLE, NC	
DATE 8-3-26	SHEET 2 OF 3

Retaining Wall Specifications:

1.1 General

Modular Block Retaining Wall Systems are designed as a gravity retaining wall utilizing a high density polyester geogrid to reinforce the soil zone behind the wall. The geogrid is positively connected to the modular concrete block creating a reinforced soil mass capable of resisting lateral earth pressures and surcharged loads. All references to the Engineer refer to TM Engineering Inc.

1.2 Backfill Materials

The soil material associated with the retaining wall in the reinforced zone, the retained zone, or the foundation bedding shall have the following properties:

- A) Foundation Soils: Ø=28 degrees, unit weight= 120 lbs./cu.ft (moist weight)
B) Retained Soils: Ø=28 degrees, unit weight= 120 lbs./cu.ft (moist weight)
C) Reinforced Backfill Soils: Ø=30 degrees, unit weight= 120 lbs./cu.ft (moist weight)

- D) Unit fill shall consist of clean 1" minus crushed stone or crushed gravel meeting the following gradation:
- | sieve size | %passing |
|------------|----------|
| 2" | 100 |
| ¾" | 75–100 |
| No. 4 | 0–10 |
| No. 50 | 0–5 |

- E) Reinforced backfill soils shall be free of debris or organic material meeting the following gradation:
- | sieve size | %passing |
|------------|----------|
| 2" | 100 |
| ¾" | 100–75 |
| No. 40 | 0–60 |
| No. 200 | 0–30 |

- F) The soil characteristics above were assumed for this design and should be verified to be as or equivalent by the geotechnical engineer for the project. If this information does not represent the actual soil to be used, the Engineer shall be notified immediately, the new soil parameters shall be submitted to the Engineer, and the wall will be reviewed for potential revision. Design revisions will be performed for an additional expense. Global stability analysis if required is the responsibility of the site geotechnical engineer.
G) The maximum aggregate size shall be limited to 2" unless field tests have been performed to evaluate potential strength reduction to installation.
H) Material can be excavated material when the above requirements are met. Unsuitable soils for backfill (high plastic clays or organic materials) shall not be used in the reinforced soil mass. If on site materials consisting of predominately silts and clays are used, some internal movements will occur increasing the potential for failure.
I) Contractor shall submit reinforced fill sample and test results to the engineer for approval prior to construction.

1.3 Foundation Loads

The maximum applied foundation load for this wall is 3,000 PSF.

1.4 Concrete Masonry Wall Units

Concrete Wall Units shall be manufactured in accordance with ASTM–C90 and ASTM C140 and shall have a minimum 28 day compressive strength of 3000 psi.

1.5 Geogrid Reinforcement

The geogrid reinforcing material shall be a high density polyester manufactured by Strata Systems, Inc. and shall meet the specification requirements published by Tencate for:

Miragrid 3XT

1.6 Wall Batter

Batter for the entire wall shall be maintained at 6 degrees minimum.

2.0 Foundation Requirements

The foundation bearing capacity that was assumed for design shall be verified in the field, and copies of the test data filed with the Engineer. The footing shall be cleared of loose soil. A minimum of 12" of washed stone shall be placed at the back of each block as indicated on the details.

2.1 Leveling Pad

Material shall consist of compacted sand, gravel, crushed rock, or unreinforced concrete. The pad shall be 6" thick when concrete and 8" thick otherwise. Sand or gravel material shall be compacted to 95% Standard Proctor and at ±3% materials optimum moisture content. Aggregate material shall receive a minimum of one pass of the compaction equipment. The top of the leveling pad shall typically be maintained at a minimum depth of 8". Refer to Engineer's design plans for leveling pad depth, for minimum depth may increase due to site conditions.

2.2 Unit Fill

The void within each unit shall be filled with a washed stone having 100% of the aggregate passing the 1.5" sieve. A minimum of 3/8" washed stone size is required. (No more than 5% passing the #200 sieve.) Place this material behind the block as well. All excess shall be swept clean from the top of the block prior to installing the next course. Each course of block shall be completely filled before proceeding to the next course.

2.3 First Block Course

The first course of block shall be placed on top of and in full contact with the leveling pad. The units shall maintain a distance of a minimum 6" from the front and back of the leveling pad. Proper alignment may be achieved with the aid of a string line. Place stone below the first block and the leveling pad and level the block in both directions. After placing stone in each of the appropriate holes proceed to the next course of block. Each unit shall contact the units on both sides as well as above and below. Some adjustments may be required for walls with curves and a batter.

2.4 Caps

Apply a construction adhesive to the cap units to prevent their removal.

3.0 Geogrid Installation

The geogrid reinforcement shall be laid horizontally on compacted backfill and installed to the face of the block. Geogrid shall be pulled taut removing all slack from the material and anchored by suitable contractor determined methods before adding fill. Geogrid shall be installed at the elevations and lengths required as shown on the plans. (Refer to details for the appropriate orientation.) Soil surface shall be smooth and level and have been compacted to 95% Standard Proctor before installing the grid.

3.1 Fill Placement

Backfill material shall be placed on a maximum 8" lift compacted to 95% Standard Proctor and ±3% of the materials optimum moisture content. Only hand operated equipment shall be allowed within 3 feet of the concrete block units. Backfill should be placed from the wall rearward to insure tautness of the geogrid. Construction equipment shall not be operated directly on the geogrid.

3.2 Unsuitable Materials

Soils containing roots, brush, sod or other organic material shall not be allowed. Frozen soils, snow, ice, heavy clays, or wet soils shall not be allowed. Material passing the #40 sieve shall not have a liquid limit of greater than 30 and a plastic limit of greater than 15, unless written consent is obtained from the Engineer prior to placement.

4.0 Soil Testing

Compaction testing shall be performed for every lift. Tests shall be performed for every 100 linear feet of wall face. Compaction tests as well as a verified friction angle shall be filed with the Engineers' office.

5.0 Hydrostatic Pressure Potential

The Engineer shall be notified if any of the following should become evident:
–water or wetness from or in a cut bank
–local springs, local storm drains, sewers, water lines under or behind the wall

6.0 Acceptable Block

Concrete block units shall be used and kept free of defects that would interfere with the placing or positioning of the unit or impair its strength. Minor cracks incidental to the usual method of manufacturing or minor chipping resulting from shipment and delivery are not grounds for rejection.

7.0 Acceptable Geogrid

The Contractor shall inspect all geogrid delivered to the site to ensure it is undamaged. If significant damage occurs during construction it shall be replaced at the Contractors expense.

8.0 Drainage Composite – (Applies to cut wall applications only)

For cut wall applications, Drainage composite shall be installed to cover 30% of the cut surface behind the geogrid layers. Drainage composite shall be installed on 15 ft. centers and 2/3 the wall height.

9.0 Special Provisions

- A) General or Site contractor shall coordinate geogrid and wall installation with paving installation as well as grading operations.
B) Maintain the direction of drainage away from the wall face at all times during construction of the wall and finish grading as shown on plans.
C) Placement of geogrid shall be as per plans reference to length and elevations.
D) The Engineer shall be notified by the installing contractor should the embedment depth vary from that indicated on the wall profiles.

10.0 Qualification of Design

- A) Stability of any temporary slopes required by the installation of a segmental retaining wall shall be addressed by a qualified Geotechnical Engineer. The slopes shall meet all OSHA standards of maximum slope steepness.
B) Handrail/guardrail requirements shall be determined by the Architect or General Contractor.

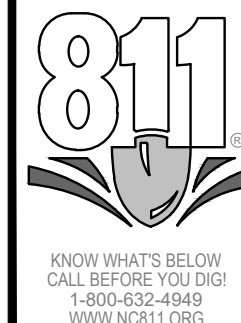
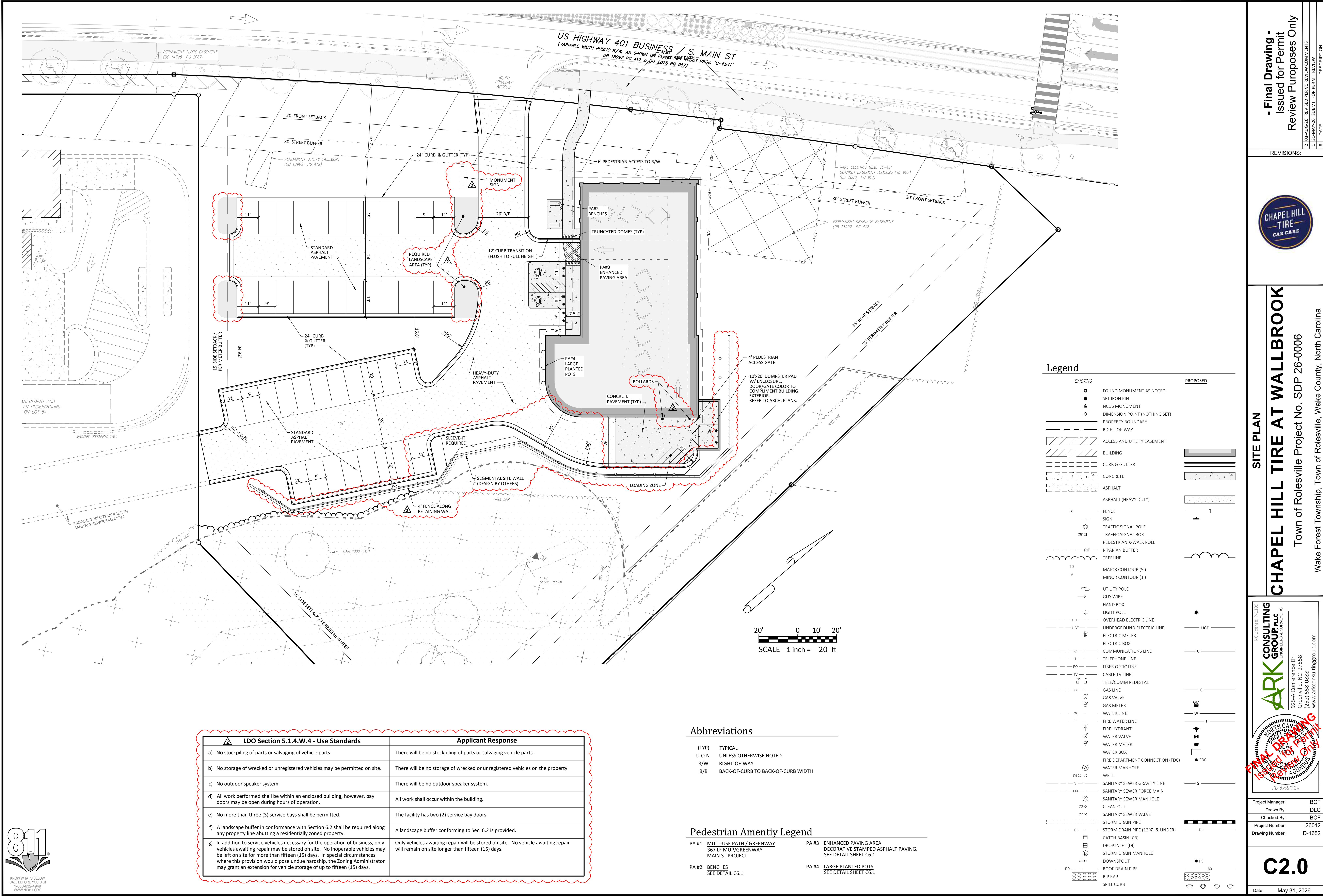
General Retaining Wall Design Notes:

- A. Wall profiles were designed by TM Engineering Inc. per existing and proposed grades shown on plans provided. All grades shall be field verified prior to construction. Notify TM Engineering Inc. prior to modifying design if topography does not match conditions outlined in the retaining wall profile.
- B. Construction verification of the wall installation by an engineer is required by most local municipalities, and must be provided by a knowledgeable geotechnical engineer. The owner shall be required to engage inspection and testing services, including independent testing laboratories, to provide quality assurance and testing services on a full time basis throughout the construction of retaining walls. Testing and inspection services shall only be performed by qualified and experienced technicians. As a minimum, quality assurance testing should include foundation soil inspection, soil and backfill testing, verification of design parameters, and observation of construction for general compliance with design drawings and specifications.
- C. Soil installed in slopes both above and below the reinforced structure shall be compacted to minimum 95% density as determined by the standard proctor test (ASTM D–698).
- D. Prior to retaining wall construction, all building footings/elevations behind and/or abutting up to the retaining wall need confirmed by project architect and structural engineer, to ensure that no dead loading from a building affects the proposed retaining wall. The retaining wall design does not take into any account any structural loading from a building.
- E. Identification of all utilities shall be the responsibility of the contractor prior to any construction. Any conflicts shall be reported to the Engineer of record prior to construction.
- F. Excavation through the geosynthetic reinforcement for the purpose of planting trees or installation of utilities or fencing should not occur without approval by the Engineer of record.
- G. Waterlines including irrigation systems must be water tight within 100 feet of the reinforced zone. Leakage behind a retaining wall will increase the horizontal pressure against the wall leading to wall failure. For this reason, subsurface waterlines and irrigation systems should not be installed above the reinforced zones of the retaining wall, or within 5 feet behind the reinforced zones.
- H. All construction activity shall conform to the minimum requirements per O.S.H.A. standards.
- I. This design is based upon specific properties of materials which are proprietary. Any substitution of the specified products or change in structure geometry will invalidate this design. This drawing is being furnished for use on the specific project only. Any party accepting this document does so in confidence and agrees that it shall not be duplicated, in whole or in part, nor disclosed to others without the consent of TM Engineering, Inc. This drawing, design notes, and associated calculations have been prepared by TM Engineering, Inc. from information provided by others.
- J. Discovery of subsurface groundwater shall be reported immediately to the Project Geotechnical Engineer and TM Engineering, Inc. for additional drainage consideration.
- K. Storm drain systems are prone to leaking. Therefore, if a joint in a storm water pipe is located within 100 feet of the retaining wall the storm water pipe must be water tight.
- L. Construction activities, which occur on the site after completion of a retaining wall, should be monitored by the owner's representative to insure that they do not result in excavation through Geosynthetic reinforcement or in the vicinity of the wall foundation. Heavy construction equipment should not be permitted or operate within 3.0 feet behind a wall face.
- M. Prior to retaining wall construction, wall construction plans shall be reviewed by project civil engineer or architect with respect to final location of the entire structure (top and bottom of structure) as a result of proposed structure batter and its effect on overall site feasibility. Possible encroachment of final earth structure location in relation to property lines, easements, buffers, utilities, and sensitive structures, shall be reviewed for possible negative impact on site feasibility.
- N. Final earth structure location in relation to property lines, watershed easements, utility easements or any other type of easement or buffer are the responsibility of the owner or the site Civil Engineer. TM Engineering, Inc. assumes no liability for the final location of the earth structure. Survey control must be performed using the civil site designer's location information and account for all structure face batter. Deviation from the civil site design layout must be reported to and approved by the civil engineer prior to the earth structure's construction.
- O. All roof drains and road drain outlets must be piped to storm drain system. Roof drains shall not be emptied into dry wells or pop up dissipaters within 20 ft. of the reinforced zone. Both permanent and temporary grading should be performed to prevent channelized stormwater runoff from being directed over retaining wall.
- P. Walls that incorporate outside bends and radii include stresses that are trying to move in different directions in those locations. This creates increased stresses that can result in unit cracking or gapping in these areas. Use of high quality granular backfill that meets the previous outlined specifications will greatly reduce (although not eliminate) the potential for unit cracking and/or gapping. If the wall has been constructed per specifications minor unit cracking and gapping is not an indication of structural instability.



NO.	REVISIONS

TM Engineering, Inc. 103 Howatha Court CARY, NC 27513 (919) 468-2545		Company #NC–3201
CHAPEL HILL TIRE ROLESVILLE, NC		
DATE 8–3–26		
SHEET 3	OF 3	



LDO Section 5.1.4.W.4 - Use Standards	Applicant Response
a) No stockpiling of parts or salvaging of vehicle parts.	There will be no stockpiling of parts or salvaging vehicle parts.
b) No storage of wrecked or unregistered vehicles may be permitted on site.	There will be no storage of wrecked or unregistered vehicles on the property.
c) No outdoor speaker system.	There will be no outdoor speaker system.
d) All work performed shall be within an enclosed building, however, bay doors may be open during hours of operation.	All work shall occur within the building.
e) No more than three (3) service bays shall be permitted.	The facility has two (2) service bay doors.
f) A landscape buffer in conformance with Section 6.2 shall be required along any property line abutting a residentially zoned property.	A landscape buffer conforming to Sec. 6.2 is provided.
g) In addition to service vehicles necessary for the operation of business, only vehicles awaiting repair may be stored on site. No inoperable vehicles may be left on site for more than fifteen (15) days. In special circumstances where this provision would pose undue hardship, the Zoning Administrator may grant an extension for vehicle storage of up to fifteen (15) days.	Only vehicles awaiting repair will be stored on site. No vehicle awaiting repair will remain on site longer than fifteen (15) days.

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 Amentiy Legend

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

SITE PLAN

CHAPEL HILL TIRE AT WALLBROOK
Town of Rolesville Project No. SDP 26-0006
Wake Forest Township, Town of Rolesville, Wake County, North Carolina

NC License: PA 1195
ARK CONSULTING GROUP PLLC
ENGINEERS & SURVEYORS
925-A Conference Dr.
Charlotte, NC 28203
(704) 558-8888
www.arkconsultinggroup.com

APPROVED FOR PERMIT
8/7/2026

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

C2.0

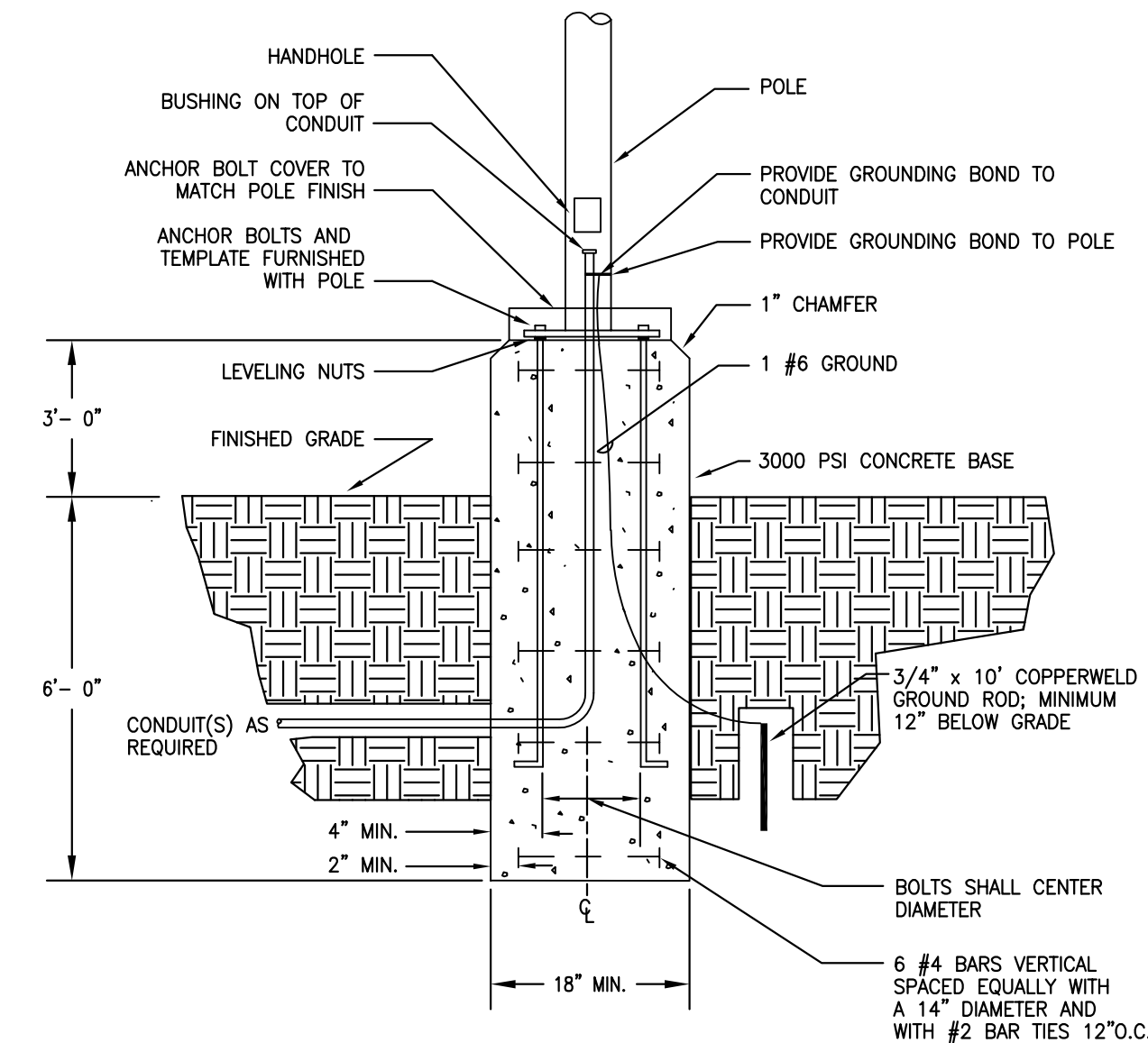
Date: May 31, 2026

-Final Drawing -
Issued for Permit
Review Purposes Only

REVISIONS:

#	DATE	DESCRIPTION
2	03-AUG-26	REVISED PER V1 REVIEW COMMENTS
1	31-MAY-26	SUBMIT FOR PERMIT REVIEW

CHAPEL HILL TIRE CAR CARE



3 POLE BASE DETAIL (TYPE PA)
E1.0 NO SCALE

Schedule										
Symbol	Label	Image	QTY	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage
	A		4	RSX2 LED P3 40K R3	RSX Area Fixture Size 2 P3 Lumen Package 4000K CCT Type R3 Distribution		1	21736	1	149.98

Statistics							
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min	
Parking Lot	+	2.5 fcd	6.3 fcd	0.5 fcd	12.6:1	5.0:1	

