



Administrative Approval Action

Case File / Name: SUB-0045-2023
DSLCL - BLUEJACK FALLS - 9 ACRE TRACT

City of Raleigh
Development Services Department
One Exchange Plaza
Raleigh, NC 27602
(919) 996-2492
currentplanning@raleighnc.gov
www.raleighnc.gov

- LOCATION:** This 8.09-acre site (BM2025 page 01498) is located at 2537 Wall Store Road. It is zoned R-4 and located east of Auburn Church Road, west of Rock Quarry Road, and south of Pearl Road. It is across from Pender Nursery on Wall Store Road. The majority of the site was annexed into the city limits on June 30, 2024. A 0.30 acre portion which was recombined into the larger tract on 8/7/25 is outside the city limits.
- REQUEST:** This is a compact subdivision consisting of 45 townhouse lots and 2 open space/HOA lots, for a total of 47 lots. The development will be accessed from Wall Store Road using "Street N" which is part of the adjacent proposed Bluejack Falls Subdivision (case SUB-0080-2022).
- DESIGN
ADJUSTMENT(S)/
ALTERNATES, ETC:** N/A
- FINDINGS:** City Administration finds that this request, with the below conditions of approval being met, conforms to the Unified Development Ordinance. This approval is based on a preliminary plan dated August 8, 2025 by McAdams Co.

CONDITIONS OF APPROVAL and NEXT STEPS:

This document must be applied to the second sheet of all future submittals except for final plats. This is a preliminary plan and as such no permits have been issued with this approval. To obtain permits and/or completion of the project, the following steps are required:

☒ **SITE PERMITTING REVIEW** - For land disturbance of 12,000 square feet or greater, public or private infrastructure, shared stormwater devices, etc. Site Permitting Review may be submitted upon receipt of this signed approval document.

The following items are required prior to approval of Site Permitting Review plans:

General

1. SPR-0267-2023 must be approved prior to this subdivision's subsequent SPR approval.
2. Demonstrate compliance with the transitional protective yard requirement set forth in UDO Section 2.3.1.C.1. Provide details for any existing vegetation that will be used to meet associated planting requirements. In addition, identify the location of the proposed fence and provide a construction detail.

Engineering

3. Required NCDOT encroachment and/or driveway permits must be approved and copies provided to the City of Raleigh Transportation Department – Mobility Strategy and Infrastructure Division prior to Site Permit review approval.

Stormwater



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4. A surety equal to of the cost of clearing, grubbing and reseeding a site, shall be paid to the City (UDO 9.4.4).
5. If required, a nitrogen offset payment must be made to a qualifying mitigation bank (UDO 9.2.2.B).
6. A stormwater control plan with a stormwater operations and maintenance manual and budget shall be approved (UDO 9.2).

Urban Forestry

7. Tree protection fence must be inspected by Urban Forestry staff prior to the issuance of a grading permit.
8. Submit a final tree conservation plan that includes metes and bounds descriptions of all tree conservation areas and tree protection fencing as required (UDO 9.1.5).

☒ **LEGAL DOCUMENTS** - Email to legaldocumentreview@raleighnc.gov. Legal documents must be approved, executed, and recorded prior to or in conjunction with the recorded plat on which the associated easements are shown. Copies of recorded documents must be returned to the City within one business day of recording to avoid withholding of further permit issuance.

☒	Stormwater Maintenance Covenant Required
☒	Slope Easement Deed of Easement Required
☒	Utility Placement Deed of Easement Required

☒	Right of Way Deed of Easement Required
☒	Public Access Deed of Easement Required

☒ **RECORDED MAP(S)** - Submit plat to record new property lines, easements, tree conservation areas, etc.). Plats may be submitted for review when the Site Permitting Review plans, if required, have been deemed ready for mylar signature.

The following items must be approved prior to recording the plat:

General

1. Demonstrate compliance with UDO Section 2.5.7 regarding required open space.
2. Street names for this development shall be approved by the Raleigh GIS Division and by Wake County.
3. Prior to Site Permit (SPR) Approval, SUB-0080-2022 shall be recorded with Wake County Register of Deeds, showing access for this subdivision via Street N.
4. Provide documentation indicating a Property Owner's Association has been established for the subject development.



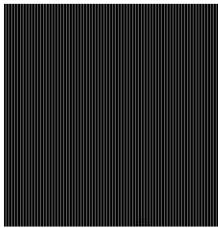
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Engineering

5. A pedestrian and bicycle deed of easement, in addition to a plat showing the location of the easement, shall be submitted to the Planning and Development Services Department for review, and if acceptable, approved for recordation. Approved plats must be recorded at the Wake County Register of Deeds Office on or before the 14th day following approval by the City. The 14-day expiration date shall be clearly indicated on the plat. By the end of the next business day following recordation of the plat, all required legal instruments (including deeds of easement) shall be recorded, and recorded copies of the plat and all legal instruments required by the City in association with development approval shall be provided to the City. (Reference: UDO 8.1.7.A; 10.2.5.F.4.d)
6. A fee-in-lieu for public improvements stopping short of property lines is paid to the City of Raleigh (UDO 8.1.10).
7. A public street right-of-way deed of easement, in addition to a plat showing the location of the easement, shall be submitted to the Planning and Development Services Department for review, and if acceptable, approved for recordation. Approved plats must be recorded at the Wake County Register of Deeds Office on or before the 14th day following approval by the City. The 14-day expiration date shall be clearly indicated on the plat. By the end of the next business day following recordation of the plat, all required legal instruments (including deeds of easement) shall be recorded, and recorded copies of the plat and all legal instruments required by the City in association with development approval shall be provided to the City. (Reference: UDO 8.1.7.A; 10.2.5.F.4.d)
8. A public access deed of easement, in addition to a plat showing the location of the easement, shall be submitted to the Planning and Development Services Department for review, and if acceptable, approved for recordation. Approved plats must be recorded at the Wake County Register of Deeds Office on or before the 14th day following approval by the City. The 14-day expiration date shall be clearly indicated on the plat. By the end of the next business day following recordation of the plat, all required legal instruments (including deeds of easement) shall be recorded, and recorded copies of the plat and all legal instruments required by the City in association with development approval shall be provided to the City. (Reference: UDO 8.1.7.A; 10.2.5.F.4.d)
9. A 5' utility placement easement deed of easement, in addition to a plat showing the location of the easement, shall be submitted to the Planning and Development Services Department for review, and if acceptable, approved for recordation. Approved plats must be recorded at the Wake County Register of Deeds Office on or before the 14th day following approval by the City. The 14-day expiration date shall be clearly indicated on the plat. By the end of the next business day following recordation of the plat, all required legal instruments (including deeds of easement) shall be recorded, and recorded copies of the plat and all legal instruments required by the City in association with development approval shall be provided to the City. (Reference: UDO 8.1.7.A; 10.2.5.F.4.d)



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10. A slope easement deed of easement, in addition to a plat showing the location of the easement, shall be submitted to the Planning and Development Services Department for review, and if acceptable, approved for recordation. Approved plats must be recorded at the Wake County Register of Deeds Office on or before the 14th day following approval by the City. The 14-day expiration date shall be clearly indicated on the plat. By the end of the next business day following recordation of the plat, all required legal instruments (including deeds of easement) shall be recorded, and recorded copies of the plat and all legal instruments required by the City in association with development approval shall be provided to the City. (Reference: UDO 8.1.7.A; 10.2.5.F.4.d)
11. A public infrastructure surety shall be provided to City of Raleigh Transportation – Development Engineering Division (UDO 8.1.3) in the amount of 100% of the improvement cost for the NCDOT portion and 125% of the improvement cost for the City of Raleigh infrastructure.

Public Utilities

12. Site Permit Review plans (SPR) must be approved by the City of Raleigh Public Utilities Department for all public water, public sewer and/or private sewer extensions.
13. A Petition for Annexation into the City limits for the 0.30 acre portion of the property recombined into the larger tract (BM2025 page 01498) shall be submitted in accordance with City Council policy for extension of utility service to properties currently outside of the City limits. This voluntary annexation in no way obligates the City to extend utility services to the property.

Stormwater

14. The riparian buffers, in accordance with the preliminary plan and the State of North Carolina regulations, shall be shown on plats for recording along with required buffer statement (Recorded Map Checklist).
15. A surety equal to 125% of the cost of the construction of a stormwater device shall be paid to the Engineering Services Department (UDO 9.2.2.D.1.d).
16. The City form document entitled Declaration of Maintenance Covenant and Grant of Protection Easement for Stormwater Control Facilities shall be approved by the City and recorded with the county register of deeds office (UDO 9.2.2.G). Maintenance Covenant for the adjacent SUB-0080-2022 will need to reflect that "SCM G" in that subdivision will serve this development.
17. All stormwater control measures and means of transporting stormwater runoff to and from any nitrogen and stormwater runoff control measures shall be shown on all plats for recording as private drainage easements (UDO 9.2).
18. The maximum allocated impervious area for all applicable lots in the subdivision should be identified on all maps for recording.

Urban Forestry



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19. A public infrastructure surety for 28 street trees shall be provided to City of Raleigh Transportation – Development Engineering Division (UDO 8.1.3) in the amount of 125% of the improvement cost for the City of Raleigh infrastructure.
20. A tree conservation plat shall be recorded with metes and bounds showing the designated tree conservation areas (UDO 9.1). This development proposes 0.75 acres of tree conservation area.

☒ **BUILDING PERMITS** - For buildings and structures shown on the approved plans. Commercial building permit plans must include the signed, approved Site Permitting Review plans attached, if applicable. Permit sets may be reviewed prior to the recordation of required plats, but cannot be approved.

The following items must be approved prior to the issuance of building permits:

Public Utilities

1. A plat must be recorded at the Wake County Register of Deeds office for all utility easement dedications.
2. A water and/or sanitary sewer deed of easement, in addition to a plat must be recorded at the Wake County Register of Deeds office for all water and sanitary sewer easement dedications.

Stormwater

3. All stormwater control measures and means of transporting stormwater runoff to and from any nitrogen and stormwater runoff control measures shall be shown on all plats for recording as private drainage easements (UDO 9.2).
4. If total land disturbance will be over 12,000 sq. ft. for multiple houses, a separate site plan submittal & approval will be required. Site plans require an erosion control plan. (UDO 9.4.6.)
5. Impervious restrictions for each lot must be recorded on a plat prior to building permit issuance.

Urban Forestry

6. Tree impact permits must be obtained for the approved streetscape tree installations in the right-of-way. This development proposes 28 street trees along Walnut Edge Lane.

The following are required prior to issuance of building occupancy permit:

General

1. All Water, Sanitary Sewer and Reuse facilities shall be installed, inspected, tested and accepted by the City of Raleigh Public Utilities Department for operations and maintenance.
2. Final inspection of tree conservation areas and right-of-way street trees by Urban Forestry Staff.



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3. All street lights and street signs required as part of the development approval are installed.
4. Required public right-of-way infrastructure improvements shall be, at a minimum, sufficiently completed to provide the necessary, safe emergency and vehicular access.

Stormwater

5. As-built impervious survey is accepted by the Engineering Services Department (UDO 9.2).
6. As-built drawings and associated forms for all Stormwater devices are accepted by the Engineering Services Department (UDO 9.2.2.D.3).

EXPIRATION DATES: If significant construction has not taken place on a project after preliminary subdivision approval, that approval may "sunset" and be declared void, requiring re-approval before permits may be issued. To avoid allowing this preliminary approval to "sunset", the following must take place by the following dates:

3-Year Sunset Date: October 14, 2028
Record at least ½ of the land area approved.

5-Year Sunset Date: October 14, 2030
Record entire subdivision.

I hereby certify this administrative decision.

Signed: Keegan.McDonald@raleighnc.gov Digitally signed by Keegan.McDonald@raleighnc.gov
DN: E=Keegan.McDonald@raleighnc.gov, CN=Keegan.McDonald@raleighnc.gov
Reason: I am approving this document
Date: 2025.10.14.13:10:11-0400 **Date:** 10/14/2025

Staff Coordinator: **Jessica Gladwin**

Development Services Dir/Designee

Preliminary Subdivision Application Site Review

Planning and Development Customer Service Center - One Exchange Plaza, Suite 401 | Raleigh, NC 27611 | 919-996-2025

INSTRUCTIONS: This form is used when submitting a Preliminary Subdivision (UDO Section 102.5). Please check the appropriate review type and include the plan checked documents. Please email all documents and your preliminary subdivision plans to subdivreview@ncdot.gov.

DEVELOPMENT OPTIONS (UDO Chapter 2)	
☐ Conventional Subdivision	☒ Conservation Development
☐ Cottage Court	☐ Frequent Transit Development Option
NOTE: Subdivisions may require City Council approval if located in a Historic Overlay District.	
GENERAL INFORMATION	
Receiving/blotch plan case number(s):	
Development name (subject to approval): Bluejack Falls - 9-Acre Tract	
Property Address(es): 2537 Wall Store Road	
Recorded Deed (PNO): 1731225878	
Building type(s): ☐ Detached House ☐ Attached House ☒ Townhouse ☐ Apartment	
☐ General Building ☐ Mixed Use Building ☐ Civic Building ☐ Open Lot ☐ Tiny House	

CURRENT PROPERTY OWNER/APPLICANT/DEVELOPER INFORMATION	
Current Property Owner(s) Name(s):	
Company: NC Land LLC	
Address: 7803 Glenroy Road, Suite 200, Minneapolis, Minnesota, 55439-3126	
Phone #	Email:
Applicant Name (if different from owner, see "who can apply" in instructions): Nick Williamson, Proj. Mgr.	
Relationship to owner: ☐ Lessee or contract purchaser ☒ Owner's authorized agent ☐ Assessment holder	
Company: McAdams	Address: 2905 Meridian Parkway, Durham, NC 27713
Phone # (919) 361-6000	Email: nick.williamson@mcadamsco.com
NOTE: please attach purchase agreement or contract, lease or assessment when submitting this form.	
Developer Contact Name: Jacquelin Hagler	
Company: Doran Companies	
Address: 7803 Glenroy Road, Suite 200, Minneapolis, Minnesota, 55439-3126	
Phone # (652) 641-9423	Email: jacquelin.hagler@dorancompanies.com

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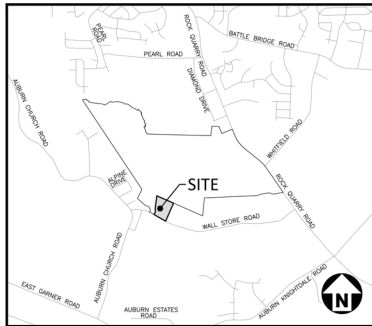
McAdams Co. LLC
nwilliamson

DEVELOPMENT TYPE & SITE DATA - ZONING INFORMATION	
On-site site acreage:	
Zoning district (if more than one, provide acreage of each): R-4	
Overlay district(s):	Inside City Limits? ☒ Yes ☐ No Historic District/Landmark: N/A
Conditional Use District (CUD):	Design Alternative Case # DA:
Case # 2:	
STORMWATER INFORMATION	
Impervious Area on Parcel(s):	Impervious Area for Compliance (includes right of way):
Existing (sf): 0	Proposed total (sf): 99,272
Existing (sf): 0	Proposed total (sf): 126,348
NUMBER OF LOTS AND DENSITY	
# of Detached House Lots:	# of Attached House Lots: 1 # of Townhouse Lots: 47
# of Tiny House Lots:	# of Open Lots: 2 # of Other Lots (Apartment, General, Mixed Use, CUD):
Total # of Lots: 49	Total # Dwelling Units: 47
Proposed density for each zoning district (UDO 1.5.2.7):	

SIGNATURE BLOCK	
Pursuant to state law (N.C. Gen. Stat. § 160D-45(c)), applications for development approvals may be made by the landowner, a lessee or person holding an option or contract to purchase or lease land, or an authorized agent of the landowner. An assessment holder may also apply for development approval for each development as is authorized by the assessment.	
By submitting this application, the undersigned applicant acknowledges that they are either the property owner or one of the persons authorized by state law (N.C. Gen. Stat. § 160D-45(c)) to make this application, as specified in the application. The undersigned also acknowledges that the information and statements made in the application are correct and the undersigned understands that any false information or statements are subject to prosecution for false statements under applicable laws. The undersigned understands that any false information or statements are subject to prosecution for false statements under applicable laws.	
The undersigned indicates that the property owner(s) is aware of the application and that the proposed project described in this application will be maintained in all respects in accordance with the laws and specifications submitted herewith, and in accordance with the provisions and regulations of the City of Raleigh Official Development Ordinance.	
The undersigned hereby acknowledges that, pursuant to state law (N.C. Gen. Stat. § 160D-45(c)), if the parent application is denied on full or in part of the application for a period of consecutive months or more, or if the applicant fails to respond to comments or provide additional information requested by the City for a period of consecutive months or more, then the application review is discontinued and a new application is required to be prepared and the development regulations in effect at the time parent processing is resumed shall apply to the new application.	
Signature: [Signature]	Date: 07/24/2023
Printed Name: JANE WILKINSON	Date:
Signature:	Date:
Printed Name:	Date:

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McAdams Co. LLC
nwilliamson



VICINITY MAP
1" = 2000'



Know what's below.
Call before you dig.

BLUEJACK RALEIGH

9-ACRE TRACT

2537 WALL STORE ROAD

RALEIGH, NORTH CAROLINA, 27610

PRELIMINARY SUBDIVISION PLAN

CITY OF RALEIGH CASE NUMBER: SUB-0045-2023

PROJECT NUMBER: 2021110767

DATE: AUGUST 4, 2023

REVISED: AUGUST 8, 2025

PROPERTY OWNER	
NAME:	ADDRESS:
LOCAL, LLC	1731225878
CITY ADDRESS: 2537 WALL STORE ROAD, RALEIGH, NORTH CAROLINA, 27610	
SITE DATA	
CITY ADDRESS:	2537 WALL STORE ROAD, RALEIGH, NORTH CAROLINA, 27610
PANEL PIN NUMBER:	1731225878
OVERLAY DISTRICT:	R-4
BLOCK PERMITTER:	NONE APPLICABLE
WATERWAYS:	NO WATERSHED
TOPOGRAPHY (HATCHES):	NO TOPOGRAPHY
VEGETATION:	NO VEGETATION
EXISTING USE:	NO EXISTING USE
PROPOSED USE:	NO PROPOSED USE
PROPOSED DWELLING UNITS:	45 UNITS (11 RESIDENTIAL, 34 TOWNHOUSE)
REQUIRED VEHICLE PARKING:	NO VEHICLE PARKING REQUIRED PER SECTION 2.3.4
REQUIRED BIKEWAY PARKING:	NO BIKEWAY PARKING REQUIRED PER SECTION 2.3.4
IMPERVIOUS AREA:	99,272 SF (EXISTING) 126,348 SF (PROPOSED)

OPEN SPACE CALCULATIONS		
NET SITE AREA:	6.01 ACRES (261,007 SQ. FT.)	
OPEN SPACE REQUIRED:	1.37 ACRES (59,481 SQ. FT.)	
OPEN SPACE PROVIDED:	2.73 ACRES (119,226 SQ. FT.)	
CONTIGUOUS OPEN SPACE REQUIRED:	0.47 ACRES (20,610 SQ. FT.)	
CONTIGUOUS OPEN SPACE PROVIDED:	1.47 ACRES (64,348 SQ. FT.)	
STORMWATER CONTROL NEEDED:	0.04 ACRES (1,742 SQ. FT.)	
STORMWATER CONTROL PROVIDED:	0.04 ACRES (1,742 SQ. FT.)	
OUTDOOR AMENITY AREA CALCULATIONS		
NET SITE AREA:	6.01 ACRES (261,007 SQ. FT.)	
OUTDOOR AMENITY AREA REQUIRED:	0.04 ACRES (1,742 SQ. FT.)	
OUTDOOR AMENITY AREA PROVIDED:	0.04 ACRES (1,742 SQ. FT.)	
LOT DATA TABLE		
RESIDENTIAL LOTS	LOTS 1-45	45 LOTS
HOUSING/COMMUNITY LOTS	LOTS 46-47	2 LOTS
TOTAL LOTS		47 LOTS
SEE SHEET C2.00 FOR LOT AREAS		

SOLID WASTE COMPLIANCE STATEMENT:

- THE DEVELOPER ACKNOWLEDGES THAT THEY HAVE REVIEWED AND ARE IN COMPLIANCE WITH THE REQUIREMENTS SET FORTH IN THE SOLID WASTE DESIGN MANUAL.
- THE SOLID WASTE REMOVAL FOR THIS PROJECT WILL BE HANDLED BY THE CITY OF RALEIGH.
- INDIVIDUAL ROLL-OUT CARTS WILL BE PROVIDED.

CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-832-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

ATTENTION CONTRACTORS

The Construction Contractor responsible for the extension of water, sewer, and/or gas, as approved in these plans, is responsible for contacting the Public Works Department at (919) 996-2409 and the Public Utilities Department at (919) 996-4540 at least **twenty-four hours** prior to beginning any of their construction.

Failure to notify both City Departments in advance of beginning construction, will result in the issuance of **monetary fines**, and require reinstallation 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 City of Raleigh Standards will result in a **Fine and Possible Exclusion** from future work in the City of Raleigh.

SEE SHEET C2.00 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT CITY OF RALEIGH AND NCDOT (WHERE APPLICABLE) ENGINEERING DESIGN AND CONSTRUCTION STANDARDS

SHEET INDEX

C2.00	PROJECT NOTES
C1.00	OVERALL EXISTING CONDITIONS
C2.00	SITE PLAN
C2.01	LOT DIMENSION PLAN
C2.02	BLOCK PERIMETER PLAN
C2.03	TRANSPORTATION PLAN
C2.04	OPEN AREA PLAN
C3.00	GRADING AND STORM DRAINAGE PLAN
C4.00	OVERALL UTILITY PLAN
C8.00	SITE DETAILS
C8.01	SITE DETAILS
C8.02	STORM DRAINAGE DETAILS
C8.03	WATER DETAILS
C8.04	SANITARY SEWER DETAILS
L5.00	TREE CONSERVATION PLAN
L5.01	LANDSCAPE PLAN
L5.02	LANDSCAPE NOTES AND DETAILS

SPECIAL CONDITIONS OF SUBDIVISION APPROVAL

REVISIONS

NO.	DATE	PER COR COMMENTS
1	10.27.2023	PER COR COMMENTS
2	01.05.2024	PER COR COMMENTS
3	03.15.2024	PER COR COMMENTS
4	05.07.2024	PER COR COMMENTS
5	06.27.2024	PER COR COMMENTS
6	02.14.2025	REV. P/L FOR 3' X 8' PROTECTIVE YARD
7	05.20.2025	PER COR COMMENTS
8	08.08.2025	PER COR COMMENTS

PRELIMINARY SUBDIVISION PLAN FOR:
BLUEJACK FALLS - 9-ACRE TRACT
RALEIGH, NORTH CAROLINA, 27610
PROJECT NUMBER: 2021110767

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



McADAMS

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

phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293, C-187

www.mcadamsco.com

CONTACT

NICK WILLIAMSON
williamson@mcadamsco.com
PHONE: 919. 361. 5000

CLIENT

DORAN COMPANIES
7803 GLENROY ROAD, SUITE 200
BLOOMINGTON, MINNESOTA, 55439-3126
PHONE: 952. 288. 2051



PROJECT DIRECTORY

DEVELOPER
DORAN COMPANIES
7803 GLENROY ROAD, SUITE 200
BLOOMINGTON, MINNESOTA, 55439-3126
PHONE: 952. 288. 2051

SITE PLAN NOTES

1. NON-ALLEY (GARAGE DRIVEWAYS MAY INTERSECT A STREET NO CLOSER THAN 20 FEET FROM THE INTERSECTION OF TWO STREET RIGHT-OF-WAYS. THE MINIMUM CORNER CLEARANCE FROM CURB LINE OR EDGE OF PAVEMENT OF INTERSECTING STREETS SHALL BE AT LEAST 20 FEET FROM THE POINT OF TANGENCY OF THE ARCUS OF CURVATURE, OR 24 FEET FROM THE INTERSECTION OF RIGHT-OF-WAY LINES, WHICHEVER IS GREATER. THE RADIUS OF THE DRIVEWAY SHALL NOT ENCRDACH ON THE MINIMUM CORNER CLEARANCE. REFER TO SECTION 6.5 OF THE LATEST VERSION OF THE RALEIGH STREET DESIGN MANUAL FOR ADDITIONAL DETAILS.
2. RIGHT-OF-WAY SHALL BE CLEARED AND GRUBBED WITHIN 50' OF ALL MINOR RESIDENTIAL, RESIDENTIAL, AND RESIDENTIAL/COLLECTOR INTERSECTIONS. THE FULL LINE OF THE RIGHT-OF-WAY SHALL BE CLEARED AND GRADED ALONG MAJOR, MINOR, & SENSITIVE AREA THROUGHFARES.
3. WITHIN THE AREA DEFINED SIGHT TRIANGLES SHOWN ON THESE PLANS, THERE SHALL BE NO SIGHT OBSTRUCTIONS OR PARTLY OBSTRUCTING WALLS, FENCES, FOLIAGE BLENDS, OR FENCES LOCATED WITHIN THE HEIGHT OF 14 INCHES AND 4 FEET ABOVE THE CURB LINE ELEVATION OR THE NEAREST TRAVEL WAY NO CURB LINE EXISTS. REFER TO SECTION 6.1.2 OF THE LATEST VERSION OF THE RALEIGH STREET DESIGN MANUAL FOR ADDITIONAL DETAILS.
4. MULTILAY STOP CONTROL WILL NOT BE USED AT ANY PUBLIC STREET INTERSECTION WITHOUT AN ENGINEERING STUDY TO PROVIDE DATA TO CITY OF RALEIGH TRANSPORTATION DIVISION THAT THE MULTILAY STOP INSTALLATION WARRANTS CAN BE MET AND ENDORSED BY CITY COUNCIL APPROVAL.
5. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST CITY OF RALEIGH AND/OR NC DOT STANDARDS AND SPECIFICATIONS AS APPLICABLE.
6. ALL DIMENSIONS SHOWN ON SITE PLAN ARE MEASURED TO FACE OF CURB UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL PIPING PRIOR TO CONCERNMENT. DRAWINGS SHALL BE GIVEN TO THE ENGINEER UPON COMPLETION OF THE PROJECT WITH A COPY OF THE TRANSMITTAL LETTER TO THE OWNER.
8. EXISTING IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED/RESTORED TO THEIR ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER, BY THE CONTRACTOR RESPONSIBLE FOR THE DAMAGE.
9. THE CONTRACTOR SHALL NOTE THAT THE DRAWINGS MAY NOT SHOW EVERY OFFSET, TRANSITION, FITTING, ETC. THAT MAY BE REQUIRED. THE CONTRACTOR SHALL INSTALL SUCH STANDARD APPURTENANCES AS REQUIRED TO CLOSELY FOLLOW THE GRADES AND ALIGNMENTS SPECIFIED ON THE PLANS.
10. CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-432-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
11. CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE UTILITY COMPANIES FOR ANY REQUIRED RELOCATIONS (I.E. POWER POLES, TELEPHONE, FIBER, WATER METERS, ETC.).
12. PRIOR TO BEGINNING CONSTRUCTION BEYOND EROSION CONTROL, MEASURES, THE GENERAL CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION MEETING WITH THE CITY OF RALEIGH PUBLIC WORKS DEPARTMENT (919) 996-2400, AND A REPRESENTATIVE OF THE ENGINEER AND OWNER. THE PURPOSE OF THIS MEETING IS TO REVIEW THE SPECIFIC COMPONENTS OF THE PLAN AND OPERATION OF THE FACILITIES DURING CONSTRUCTION.
13. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. FOR NECESSARY PLAN OR GRADE CHANGES, NO EXTRA COMPENSATION SHALL BE PAID TO CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
14. ACCESSIBLE RAMP(S) SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF RALEIGH UNIFIED DEVELOPMENT ORDINANCE (UDOD) DETAILS.
15. ALL SIDEWALKS THAT CONNECT TO THE PUBLIC RIGHT-OF-WAY MUST BE ACCESSIBLE TO PERSONS WHO ARE BLIND, HAVE LOW VISION AND PEOPLE WITH MOBILITY DISABILITIES. PEDESTRIAN DISTING ROUTES AND ALTERNATE PEDESTRIAN ROUTES DURING CONSTRUCTION WILL BE REQUIRED TO BE COMPLIANT WITH THE PUBLIC RIGHTS OF WAY ACCESSIBILITY GUIDELINES (PROWAG), 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
16. TYPICAL PAVEMENT SECTION DETAILS ARE SHOWN WITHIN THIS SET AND INTENDED TO BE A MINIMUM PAVEMENT SECTION REQUIREMENT. THE CURRENT GEOTECHNICAL REPORT SHALL ONLY REFER ALL TYPICAL PAVEMENT SECTIONS SHOWN, IF THE GEOTECHNICAL ENGINEER DEMANDS A HEAVIER SECTION IS REQUIRED.
17. EQUIPMENT AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED PROVIDED APPROVAL HAS BEEN OBTAINED FROM THE OWNER IN WRITING PRIOR TO BEGINNING OR INSTALLATION. THE CONTRACTOR SHALL WAIVE ANY CLAIM FOR ADDITIONAL COST RELATD TO SUBSTITUTION OF EQUIPMENT.
18. IF UNDESIRABLE CONDITIONS DEVELOP DURING CONSTRUCTION, REFER TO THE LATEST VERSION OF THE RALEIGH STREET DESIGN MANUAL, AND CONTACT PUBLIC WORKS STAFF FOR FURTHER GUIDANCE.
19. ALL SIGNAGE ASSOCIATED WITH THE PUBLIC STREET SYSTEM SHALL ADHERE TO MUTCD STANDARDS AND SPECIFICATIONS.
20. ANY TRANSIT STOP LOCATIONS SHOWN ARE PRELIMINARY ONLY. FINAL LOCATION SHALL BE DETERMINED ONCE THE CITY OF RALEIGH TRANSIT ROUTE HAS BEEN FINALIZED. ALL TRANSIT STOPS SHALL HAVE A 10'X20' (3000 PSI) CONCRETE PAD.

STORM DRAINAGE NOTES

1. ALL STORM DRAINAGE PIPES SHOWN SHALL BE REINFORCED CONCRETE (RCP) (MINIMUM CLASS III) UNLESS NOTED OTHERWISE. CONTRACTOR TO COORDINATE WITH THE GEOTECH TO VERIFY TYPE OF BEDDING REQUIRED BASED ON SOIL CONDITIONS. CONTRACTOR TO SELECT REQUIRED CLASS OF PIPE BASED ON DEPTH OF PIPE AND BEDDING PROVIDED PER THE AMERICAN CONCRETE PIPE ASSOCIATION GUIDELINES.
2. ALL STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RALEIGH STANDARDS.
3. ALL CONCRETE SHALL MEET A MINIMUM 3000 PSI COMPRESSIVE STRENGTH.
4. ALL PIPE IN STORM DRAIN STRUCTURES SHALL BE STRUCK EVEN WITH INSIDE WALL.
5. ALL PIPE JOINTS SHALL BE MADE WITH PREFORMED JOINT SEALERS, WHICH CONFORMS TO ASHOTO SPECIFICATION M-338 FOR TYPE B FLEXIBLE PLASTIC GASKETS UNLESS OTHERWISE NOTED.
6. THE INTERIOR SURFACES OF ALL STORM DRAINAGE STRUCTURES SHALL BE POINTED UP AND SMOOTHED TO AN ACCEPTABLE STANDARD, USING MORTAR MIXED TO MANUFACTURER'S SPECIFICATIONS.
7. ALL BACKFILL SHALL BE NON-PLASTIC IN NATURE, FREE FROM ROOTS, VEGETATION MATTER, WASTE, CONSTRUCTION MATERIAL OR OTHER OBSTRUCTIONABLE MATERIAL. SAND MATERIAL SHALL BE CAPABLE OF BEING COMPACTED BY MECHANICAL MEANS AND SHALL HAVE NO TENDENCY TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER THE TAMPING BLows OR PROOF ROLLING.
8. MATERIALS DEMAND BY THE OWNER'S REPRESENTATIVE OR GEOTECH AS UNQUALIFY FOR PUBLIC UTILITIES PURPOSES SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
9. BACKFILLING OF TRENCHES SHALL BE RECOMPRESSED IMMEDIATELY AFTER PIPE IS Laid. THE FILL AROUND THE PIPE SHALL BE THOROUGHLY COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY OBTAINABLE WITH THE STANDARD PROCTOR TEST. THE TOP EIGHT (8) INCHES SHALL BE COMPACTED TO 100 PERCENT STANDARD PROCTOR.
10. UNDER NO CIRCUMSTANCES SHALL WATER BE ALLOWED TO RUN IN UNBACKFILLED TRENCHES AFTER PIPE HAS BEEN PLACED.
11. ALL CONCRETE PIPE AND PRECAST STORM STRUCTURES SHALL MEET NC DOT STANDARDS BY MANUFACTURER.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL PIPE AND STRUCTURES FOR CRACKS OR BREAKS. PRIOR TO INSTALLATION, ANY DAMAGED ITEMS SHALL NOT BE INSTALLED.
13. "KNOCK-OUT" BODIES OF HDPE PIPE SHALL NOT BE ALLOWED WITHIN PUBLIC RIGHT-OF-WAYS UNLESS APPROVED IN WRITING BY CITY OF RALEIGH STORMWATER DEPARTMENT.

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

1. All materials & construction methods shall be in accordance with City of Raleigh design standards, details & specifications (hereinafter COMPUD Handbook, current edition)
2. Utility separation requirements:
 - a) A distance of 100' shall be maintained between sanitary sewer & any private or public water supply source such as an impounded reservoir used as a source of water for public water supply. If adequate vertical separation cannot be achieved, sanitary sewer pipe shall be specified & installed to watertight specifications. However, the minimum separation shall not be less than 25' from a private well or 50' from a public well.
 - b) When installing water & sewer mains, the horizontal separation between utilities shall be 12'. If this separation cannot be maintained due to existing conditions, the variation allowed in the water main is 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.
 - c) Where it is impossible to obtain proper separation, or anytime a sanitary sewer passes over a watermain, DP materials or steel encasement installed 50' on each side of crossing must be specified & installed to watertight specifications.
 - d) 5.0' minimum horizontal separation is required between all sanitary sewer & storm sewer facilities, unless DP material is specified for sanitary sewer.
 - e) Maintain 18" min. vertical separation at all watermain & RCP storm drain crossings; maintain 18" min. vertical separation at all sanitary sewer & RCP storm drain crossings. Where adequate separations cannot be achieved, specify DP materials & a concrete cradle having 5" min. clearance (see COMPUD details 30-41.8, 1-5-95)
 - f) All other underground utilities shall cross water & sewer facilities with 18" min. vertical separation required.
3. Any necessary field revisions are subject to review & approval of an amended plan &/or profile by the City of Raleigh Public Utilities Department prior to construction.
4. Developer shall provide 30 days advance written notice to owner for any work required within an existing City of Raleigh Utility Easement traversing private property.
5. Contractor shall maintain continuous water & sewer service to existing residents & 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.
6. SEWER BRASS PUMPING - A bypass plan issued by a 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.
7. 3.0' minimum cover is required on all watermain & sewer force mains. 4.0' minimum cover is required on all reuse mains.
8. It is the developer's responsibility to abandon or remove existing water & sewer services not being used in redevelopment of a site unless otherwise directed by the City of Raleigh Public Utilities Department. This includes abandoning tap at main & removal of service from ROW or easement per COMPUD Handbook procedure.
9. Install water services with meters located at ROW or within a 2'-2" Waterline Easement immediately adjacent. NCOTE: It is the applicant's responsibility to properly size the water service for each connection to provide adequate flow & pressure.
10. The location of & larger water main of the private distribution system will be inspected as part of the infrastructure permit.
11. Private sewer mains part of a collection system are permitted and inspected under the private infrastructure permit for sewer.
12. Any water or sewer service 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.
13. Install sewer services with cleanouts located at ROW or easement line & spaced per the current NC Plumbing code.
14. 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.
15. All environmental permits applicable to the project must be obtained from NCOWD, USACE &/or FEMA for any riparian buffer, wetland &/or floodplain impacts (respectively) prior to construction.
16. NC DOT / Railroad Encroachment Agreements are required for any utility work (including main extensions & service taps) within sign or railroad ROW prior to construction.
17. Grease Interceptor / Oil Water Separator using calculations & installation specifications shall be approved by the RWF FOG Program Coordinator prior to issuance of a LC and/or Building Permit. Contact (919) 996-4516 or fof@raleigh.gov for more information.
18. The cross-control 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.
19. The devices shall meet the American Society of Sanitary Engineering (ASSE) standards and be on the University of Southern California approval list.
20. The device and installation shall meet the guidelines of Appendix A - Guidelines and Requirements for the Cross Connection Program in Raleigh's Service Area.
21. 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 CrossConnection@raleigh.gov for more information.
22. NOTICE to projects that involve an oversized main or urban main replacement. Any City reimbursement greater than \$250,000.00 must undergo the public bidding process.
23. Private sub-metering: No resale of water shall occur without approval of the North Carolina Utility Commission. Sub-metering shall be in accordance with Section 1400 of the "SAFE DRINKING WATER ACT".

ADDITIONAL UTILITY NOTES

1. ALL WATER MAINS, SERVICES AND FIRE SERVICES GREATER THAN 2" DIAMETER ARE TO BE DUCTILE IRON PIPE. 2" & SMALLER DOMESTIC SERVICES MUST BE TYPE S-305 CORROSION (WITHOUT FITTINGS) TO THE WATER METER.
2. ALL SEWER MAINS SHALL BE EITHER PVC OR DUCTILE IRON PIPE AS SHOWN ON THE PLANS. ALL PIPE MATERIALS SHALL MEET CITY OF RALEIGH STANDARDS AND SPECIFICATIONS AS DEFINED IN THE LATEST EDITION OF THE PUBLIC UTILITIES HANDBOOK AND/OR UNIFIED DEVELOPMENT ORDINANCE (UDOD).
3. ALL FIRE HYDRANTS ALONG PUBLIC R/W LINES SHALL HAVE A 5'X10' CITY OF RALEIGH WATERLINE EASEMENT ONTO ADJACENT PROPERTY.
4. ALL SANITARY SEWER INTERCEPTOR LINES (12" AND LARGER), AS WELL AS MANHOLES AND FITTINGS ASSOCIATED WITH THE INTERCEPTOR LINE, SHALL BE INTERNALLY LINED WITH PROTECTO-BOND APPROVED EQUAL TO PREVENT HYDROGEN SULFIDE CORROSION. SEE THE CURRENT CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT HANDBOOK FOR APPROVED COATINGS AND APPLICATION METHODS.
5. IN ACCORDANCE WITH GENERAL STATUTE 81-1230(a), ALL UNDERGROUND UTILITIES INSTALLED AFTER OCTOBER 1, 2014 SHALL BE ELECTRONICALLY LOCATABLE. CONTRACTOR SHALL COORDINATE DIRECTLY WITH THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT FOR DETAILS AND SPECIFICATIONS FOR MEETING THESE REQUIREMENTS.
6. EXISTING UTILITIES SHOWN ARE BASED ON FIELD SURVEYS AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE PLANS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
7. ALL WATER AND SEWER MAINS WITHIN PUBLIC EASEMENTS OR RIGHTS-OF-WAY TO BE OWNED, OPERATED, AND MAINTAINED BY THE CITY OF RALEIGH.
8. ALL WATER AND SEWER MAINS NOT WITHIN PUBLIC EASEMENTS OR RIGHTS-OF-WAY TO BE PRIVATELY OWNED, OPERATED, AND MAINTAINED BY THE PROPERTY OWNER.
9. WHERE SANITARY SERVICES ARE SERVING A BUILDING INSTALLED ON A FLOOR WITH A FINISHED FLOOR ELEVATION BELOW THE ELEVATION OF THE MANHOLE COVER OF THE NEXT UPSTREAM MANHOLE IN THE PUBLIC SEWER, SUCH SITUATIONS SHALL BE PROTECTED BY A BACKWATER VALVE INSTALLED IN THE SERVICE LINE. SANITARY SERVICES SERVING A BUILDING WITH A FINISHED FLOOR ELEVATION ABOVE THE ELEVATION OF THE MANHOLE COVER OF THE NEXT UPSTREAM MANHOLE IN THE PUBLIC SEWER SHALL NOT DISCHARGE THROUGH A BACKWATER VALVE.
10. CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-432-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
11. ALL UTILITY TRENCHES SHALL BE SCHEDULE 40 PVC AND INSTALLED WITH 2" MINIMUM COVER. BOTH ENDS SHALL BE CAPPED AND MARKED.

RETAINING WALL NOTES

1. THE RETAINING WALL ALIGNMENT SHOWN ON THESE PLANS DEPICTS THE LOCATION OF THE FRONT FACE OF THE RETAINING WALL AT THE TOP OF THE WALL. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING RETAINING WALLS ARE NOT LOCATED IN ANY STREAM BEDS, AND THEIR CONSTRUCTION DOES NOT ENCRDACH INTO ANY ADJACENT PROPERTIES DUE TO ANY WATER INCORPORATED IN THE DESIGN OF THE WALLS.
2. RETAINING WALLS ARE TO BE DESIGN-BUILD PROJECTS BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN FINAL CONSTRUCTION DRAWINGS FROM A REGISTERED ENGINEER AND OBTAIN ALL REQUIRED PERMITS NECESSARY FOR THE CONSTRUCTION OF THE RETAINING WALLS.
3. RETAINING WALLS SHALL BE ASSUMED TO BE BACKFILLED WITH OFF-SITE BORROW MATERIAL OR PROCESSED FILL, UNLESS THE CONTRACTOR CAN PROVIDE TO THE OWNER WITH CONFIRMATION FROM THE GEOTECHNICAL ENGINEER AND THE RETAINING WALL DESIGNER, THAT READY AVAILABLE ON-SITE SOILS CAN BE USED.
4. THE TOP AND BOTTOM OF WALL ELEVATIONS SHOWN ON THESE PLANS IDENTIFY FINISHED GRADE ELEVATIONS ONLY. THE EXTENT THAT THE RETAINING WALL WILL BE EXTENDED BELOW GRADE TO THE FOOTING OR ABOVE GRADE TO THE TOP OF THE CAR BLOCK COURSE SHALL BE IDENTIFIED ON THE RETAINING WALL CONSTRUCTION DRAWINGS.
5. ALL RETURN WALLS SHALL OVER 30" HIGH SHALL HAVE A SAFETY FENCE (DESIGN BY OTHERS).
6. ANY PART OF ANY RETAINING WALL THAT EXTENDS INTO THE RIGHT-OF-WAY WILL REQUIRE AN ENCROACHMENT AGREEMENT. ENCROACHMENT AGREEMENTS FOR RETAINING WALLS SHALL BE APPROVED PRIOR TO CONSTRUCTION DRAWING APPROVAL.
7. ANY TREBAC SYSTEMS FOR THE RETAINING WALLS SHALL NOT BE ALLOWED WITHIN PUBLIC RIGHT-OF-WAY.
8. STORMWATER RUN-OFF SHALL BE DIRECTED AWAY FROM RETAINING WALLS, ANY RUN-OFF FLOWING TO AND OVER A RETAINING WALL SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND BROUGHT TO THE ATTENTION OF THE WALL DESIGNER PRIOR TO THE DESIGN.

TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL CONDUCT ALL WORK IN A SAFE MANNER AND WITH A MINIMUM AMOUNT OF INCONVENIENCE TO TRAFFIC.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SHALL ADHERE TO THE PROVISIONS OF THE MUTCD (MOST CURRENT EDITION).
3. NO WORK ON, OR BLOCKAGE OF, EXISTING THROUGH TRAFFIC LANES SHALL OCCUR DURING THE PEAK TRAFFIC HOURS OF 7AM-5PM AND 4PM-6PM, MONDAY THROUGH FRIDAY. THE CONTRACTOR MUST OBTAIN A LANE CLOSURE PERMIT FOR ANY WORK WHICH REQUIRES THE CLOSURE OF A TRAVEL LANE. PLEASE CONTACT THE CITY PUBLIC WORKS DEPARTMENT - TRANSPORTATION OPERATIONS DIVISION AT (919) 996-3030 FOR LANE CLOSURES AT LEAST 48 HOURS IN ADVANCE AND FOR STREET CLOSURES, AT LEAST 2 WEEKS IN ADVANCE. PROVIDE EXACT LOCATION, CROSS STREET, DATES FOR LANE CLOSURE, CONTACT PERSON AND FAX NUMBER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE INSPECTIONS DEPARTMENT TO OBTAIN A STREET CUP PERMIT. THE PERMIT FORM IS ON LINE (RALEIGH.GOV) AND SHALL BE COMPLETED AND Faxed TO (919) 516-2685. THE PERMIT LASTS FOR 30 DAYS AND CAN BE EXTENDED AT NO COST IF REQUEST IS MADE PRIOR TO PERMIT'S EXPIRATION DATE. INQUIRED SHALL BE MADE AT (919) 996-2430.
5. PRIOR TO BEGINNING CONSTRUCTION, ALL SIGNAGE AND TRAFFIC CONTROL SHALL BE IN PLACE.
6. THE CONTRACTOR SHALL HAVE A COMPLETE SET OF SET CONTRACT DOCUMENTS AS WELL AS ALL PERMITS, APPROVALS AND EASEMENTS ON THE JOB SITE AT ALL TIMES.
7. THE CONTRACTOR SHALL REPAIR ALL DAMAGED DRIVEWAYS, DRIVEWAY PIPES, CURB AND GUTTER, SIDEWALKS AND STREETS TO EXISTING CONDITIONS OR BETTER.
8. ALL SIDEWALKS MUST BE ACCESSIBLE TO PERSONS WHO ARE BLIND, HAVE LOW VISION AND PEOPLE WITH MOBILITY DISABILITIES. EXISTING PEDESTRIAN ROUTES AND ALTERNATE PEDESTRIAN ROUTES DURING CONSTRUCTION WILL BE REQUIRED TO BE COMPLIANT WITH THE PUBLIC RIGHTS OF WAY ACCESSIBILITY GUIDELINES (PROWAG), 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

GRADING NOTES

1. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. FOR NECESSARY PLAN OR GRADE CHANGES, NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
2. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS, FINAL RULE 29CFR PART 1926, SUBPART "F" APPLIES TO ALL LOCATIONS EXCEEDING FIVE (5) FEET IN DEPTH. EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRES THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER, PROVIDED BY THE CONTRACTOR RESPONSIBLE FOR EXCAVATION.
3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RALEIGH AND/OR NC DOT STANDARDS AND SPECIFICATIONS AS APPLICABLE.
4. CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-432-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
5. PRIOR TO BEGINNING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH THE CITY OF RALEIGH STORMWATER AND EROSION CONTROL DEPARTMENT. THE ENGINEER AND A REPRESENTATIVE OF THE OWNER.
6. CONSTRUCTION, MAINTENANCE AND REMOVAL OF ALL EROSION CONTROL DEVICES ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. TIMING OF REMOVAL SHALL BE COORDINATED WITH THE EROSION CONTROL ENGINEER.
7. EXISTING UTILITIES AND STRUCTURES SHOWN, BOTH UNDERGROUND AND ABOVE GROUND, ARE BASED ON A FIELD SURVEY AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
8. SOIL UNDER BUILDINGS, PAVED AREAS AND WITHIN SLOPES GREATER THAN 3:1 (H:V) SHALL BE APPROVED, PLACED AND COMPACTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.



McAdams

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CLIENT

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PHONE: 952.288.2051



BLUEJACK FALLS -9 ACRE TRACT
PRELIMINARY SUBDIVISION PLAN
2537 WALL STORE ROAD
RALEIGH, NORTH CAROLINA 27610

REVISIONS

NO.	DATE	REV	COR	COMMENTS
2	01.05.2014	PER	COR	COMMENTS
3	03.15.2014	PER	COR	COMMENTS
4	05.07.2014	PER	COR	COMMENTS
5	06.27.2014	REV	PA	FOR BY 32 PROTECTIVE YARD
6	02.14.2015	REV	PA	FOR BY 32 PROTECTIVE YARD
7	05.20.2015	PER	COR	COMMENTS
8	08.20.2015	PER	COR	COMMENTS

PLAN INFORMATION

PROJECT NO. 2021110767
FILENAME 2021110767-PS1-N1
CHECKED BY NDW
DRAWN BY KWH
SCALE N.T.S.
DATE 08.04.2023
SHEET

PROJECT
NOTES

C0.00

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



Know what's below.
Call before you dig.

CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-432-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

CLIENT

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DORAN

BLUEJACK FALLS -9 ACRE TRACT
PRELIMINARY SUBDIVISION PLAN
2537 WALL STORE ROAD
RALEIGH, NORTH CAROLINA, 27610

REVISIONS

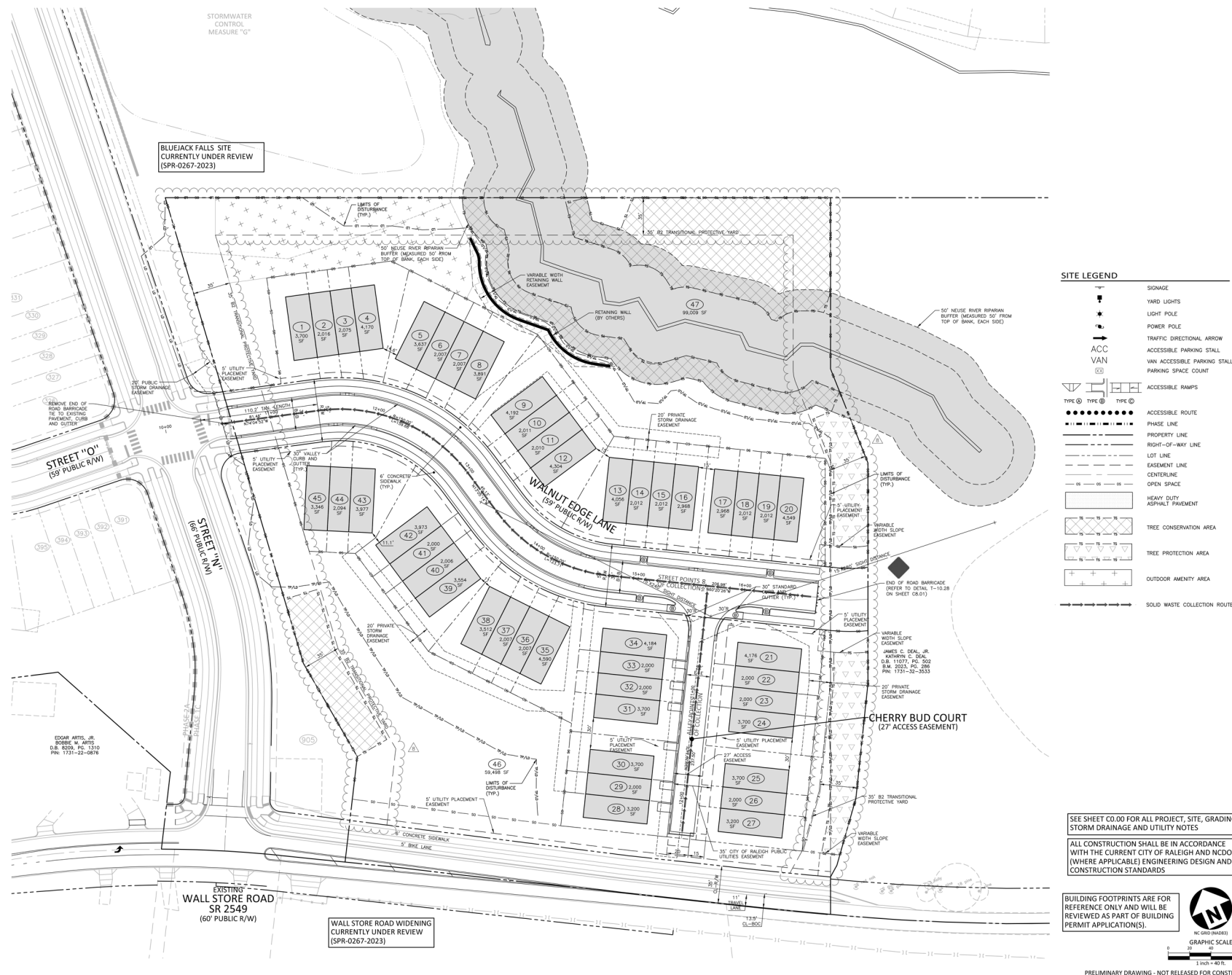
NO.	DATE	
2	01.05.2024	PER COR COMMENTS
3	03.15.2024	PER COR COMMENTS
4	05.07.2024	PER COR COMMENTS
5	06.27.2024	PER COR COMMENTS
6	02.14.2025	REV. PJA FOR 35" B2 PROTECTIVE YA
7	05.20.2025	PER COR COMMENTS
8	08.08.2025	PER COR COMMENTS

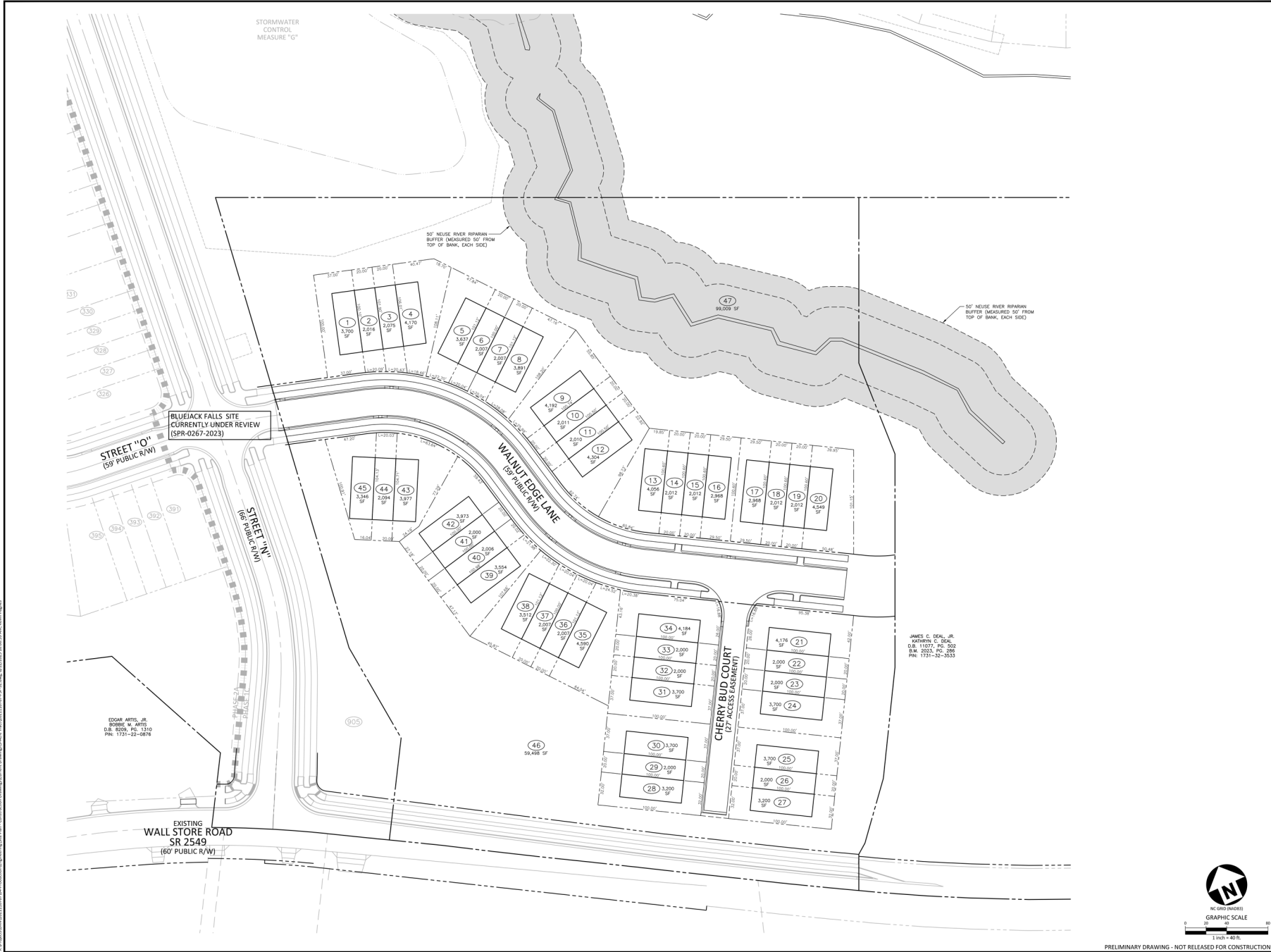
PLAN INFORMATION

PROJECT NO.	2021110767
FILENAME	2021110767-PSP-S1
CHECKED BY	NDW
DRAWN BY	KWH
SCALE	1" = 40'
DATE	08. 04. 2023
SHEET	

SITE PLAN

C2.00





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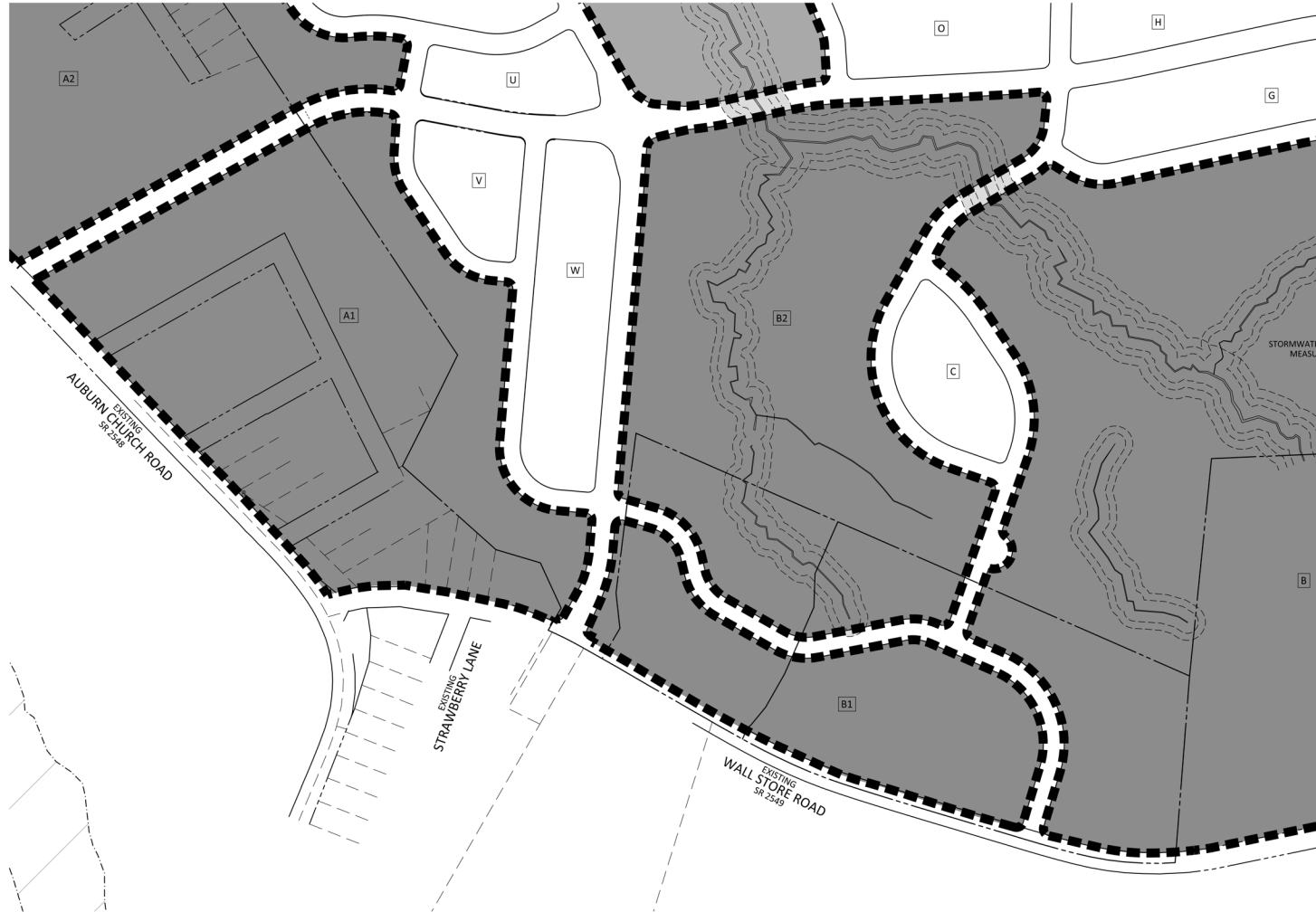
BLUEJACK FALLS - 9 ACRE TRACT
PRELIMINARY SUBDIVISION PLAN
2537 WALL STORE ROAD
RALEIGH, NORTH CAROLINA 27610

REVISIONS

NO.	DATE	REVISION
1	01.05.2024	PER COR COMMENTS
2	03.15.2024	PER COR COMMENTS
3	05.07.2024	PER COR COMMENTS
4	06.27.2024	PER COR COMMENTS
5	02.14.2025	REV. P/L FOR 30' PROTECTIVE YARD
6	05.20.2025	PER COR COMMENTS
7	08.08.2025	PER COR COMMENTS

PLAN INFORMATION
PROJECT NO. 2021110767
FILENAME 2021110767-PSP-52
CHECKED BY NDW
DRAWN BY KWH
SCALE 1" = 40'
DATE 08.04.2023
SHEET

LOT DIMENSION PLAN
C2.01



ALL BLOCKS INTERNAL TO THIS PROJECT (EXCLUDING OFF-SITE ROADS) MEET BLOCK PERIMETER STANDARDS.

BASE STANDARD LENGTH: 2500 LF
50% INCREASE WITH PEDESTRIAN ACCESS PATHWAY AND EASEMENT OR PRIVATE ALLEY (PER TEXT CHANGE TC-6-19 SECTION 2.B.3)
BLOCK PERIMETER (MAX.): 3750 LF

BLOCK PERIMETER LENGTH			
BLOCK	STREETS	LENGTH	BLOCK PERIMETER (MAX.)
A	EXISTING G STREET, EXISTING AUBURN CHURCH ROAD, EXISTING JONES SAUSAGE ROAD, EXISTING ROCK QUARRY ROAD, STREET "A", STREET "B", STREET "W", STREET "Q", STREET "Q"	**97,737 LF	2,500 LF
A1	EXISTING WALL STORE ROAD, EXISTING AUBURN CHURCH ROAD, STREET "W", STREET "Q", STREET "Q"	*4,821 LF	2,500 LF
A2	EXISTING G STREET, EXISTING AUBURN CHURCH ROAD, STREET "A", STREET "Q", STREET "Q", STREET "Q"	*4,405 LF	2,500 LF
B	EXISTING WALL STORE ROAD, STREET "W", STREET "C", STREET "Q", STREET "Y", STREET "J", STREET "W"	**7,651 LF	2,500 LF
B1	EXISTING WALL STORE ROAD, STREET "W", STREET "W"	*3,465 LF	2,500 LF
B2	EXISTING WALL STORE ROAD, STREET "W", STREET "W"	*5,160 LF	2,500 LF
B3	EXISTING ROCK QUARRY ROAD, EXISTING WALL STORE ROAD, STREET "Q", STREET "C"	*5,126 LF	2,500 LF
C	STREET "Y", STREET "J"	1,336 LF	2,500 LF
D	STREET "W", STREET "C", STREET "Q"	2,362 LF	3,750 LF
E	EXISTING ROCK QUARRY ROAD, STREET "A", STREET "C", STREET "Q"	*2,873 LF	2,500 LF
F	STREET "A", STREET "W", STREET "Q"	2,272 LF	3,750 LF
G	STREET "A", STREET "B", STREET "Q", STREET "Q"	*2,712 LF	3,750 LF
H	STREET "A", STREET "W", STREET "Y", STREET "Q"	*2,906 LF	2,500 LF
I	STREET "W", STREET "Q", STREET "Q", STREET "Q"	1,323 LF	2,500 LF
J	STREET "W", STREET "Q", STREET "Q", STREET "Q"	1,317 LF	2,500 LF
K	STREET "W", STREET "Q", STREET "Q", STREET "Q"	1,414 LF	2,500 LF
L	STREET "W", STREET "H", STREET "Y", STREET "Q"	1,472 LF	2,500 LF
M	STREET "W", STREET "Y", STREET "Y", STREET "M"	1,926 LF	2,500 LF
N	STREET "Y", STREET "Y", STREET "Y", STREET "M"	1,899 LF	2,500 LF
O	STREET "A", STREET "Y", STREET "N", STREET "M"	1,655 LF	2,500 LF
P	STREET "W", STREET "Q", STREET "Q"	496 LF	2,500 LF
Q	STREET "W", STREET "Q", STREET "Y"	1,766 LF	2,500 LF
R	STREET "W", STREET "Q", STREET "Q", STREET "Q"	1,685 LF	2,500 LF
S	STREET "W", STREET "Q", STREET "Q", STREET "Q"	1,626 LF	2,500 LF
T	STREET "W", STREET "Q", STREET "Q", STREET "Q"	1,865 LF	2,500 LF
U	STREET "A", STREET "N", STREET "Q"	1,303 LF	2,500 LF
V	STREET "A", STREET "Q", STREET "Q"	1,202 LF	2,500 LF
W	STREET "A", STREET "N", STREET "Q"	2,300 LF	3,750 LF

*MEETS BLOCK PERIMETER REQUIREMENTS PER 50% INCREASE WITH PEDESTRIAN ACCESS PATHWAY AND EASEMENT OR PRIVATE ALLEY
**SEE JUSTIFICATION STATEMENTS BELOW

JUSTIFICATION STATEMENTS:
BLOCK A, PER TC-6-19, B.3.2.1.B.1 THE RESULTING STREET CONNECTION, IF COMPLETED, WOULD NEITHER REDUCE THE PERIMETER OF THE OVERSIZED BLOCK BY AT LEAST 20 PERCENT NOR RESULT IN CONFORMING BLOCK PERIMETERS.
AS SHOWN HERE, ADDITIONAL CONNECTIONS THAT WOULD BE REQUIRED FOR BLOCK "A" WOULD NOT REDUCE THE OVERSIZED BLOCK BY AT LEAST 20 PERCENT.

McADAMS
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fax 919. 361. 2269
license number: C-0293, C-187
www.mcadamsco.com

CLIENT
DORAN COMPANIES
7803 GLENROY ROAD, SUITE 200
BLOOMINGTON, MINNESOTA, 55439-3126
PHONE: 952. 288. 2051

DORAN

BLUEJACK FALLS -9 ACRE TRACT
PRELIMINARY SUBDIVISION PLAN
2537 WALL STORE ROAD
RALEIGH, NORTH CAROLINA 27610

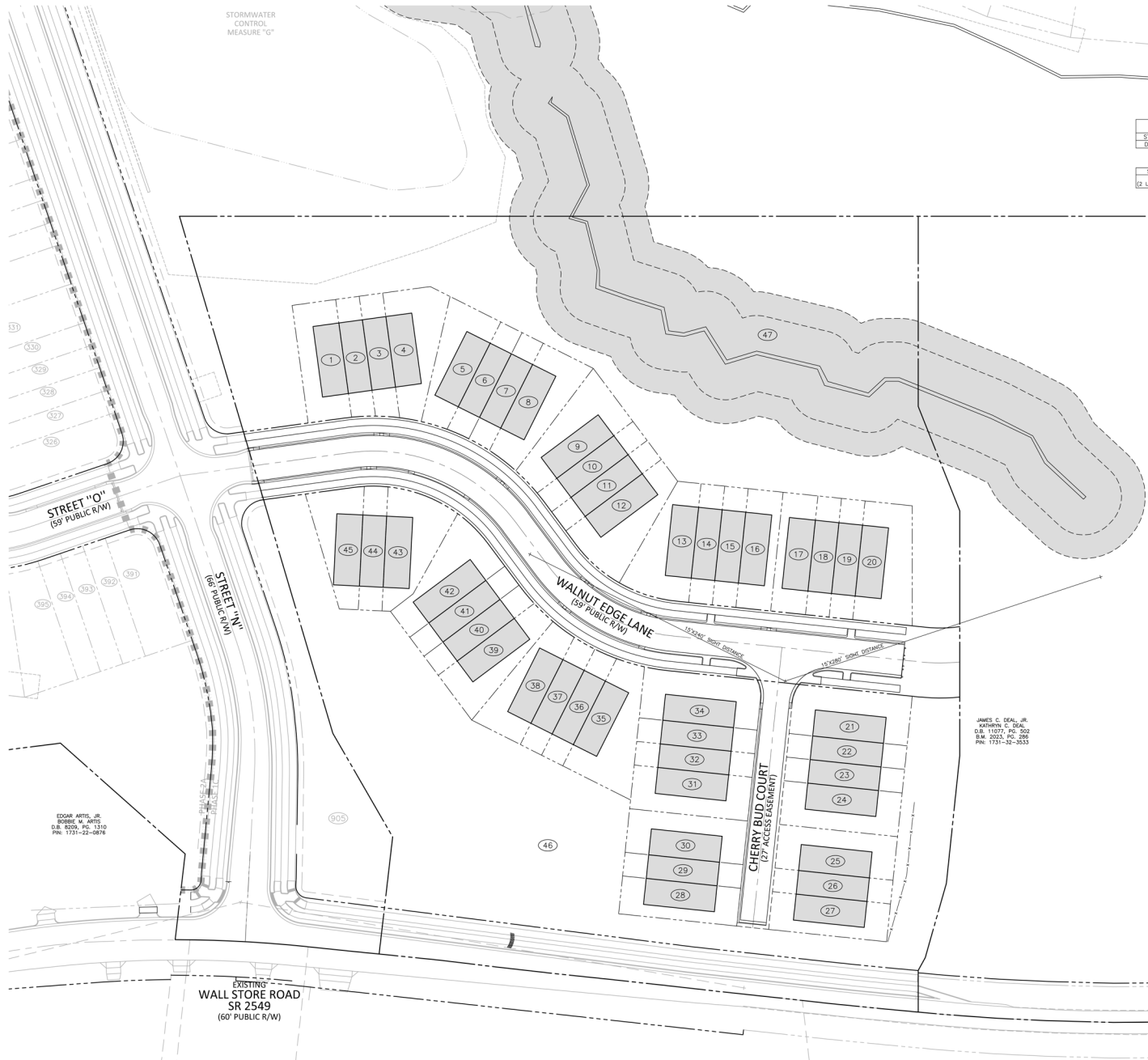
REVISIONS		
NO.	DATE	DESCRIPTION
1	01.05.2024	PER COR COMMENTS
2	03.15.2024	PER COR COMMENTS
3	05.07.2024	PER COR COMMENTS
4	06.27.2024	PER COR COMMENTS
5	02.14.2025	REV. P/L FOR BY 80 PROTECTIVE YARD
6	05.20.2025	PER COR COMMENTS
7	08.08.2025	PER COR COMMENTS

PLAN INFORMATION	
PROJECT NO.	2021110767
FILENAME	2021110767-PSP-BP1
CHECKED BY	NDW
DRAWN BY	KWH
SCALE	1" = 150'
DATE	08.04.2023

SHEET
BLOCK PERIMETER
PLAN
C2.02



PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



STREET	LOT NUMBER	# LOTS FRONTING	TOTAL LOTS UTILIZING STREET
STREET "A"	1-21, 36-47	33	47
DRIVE "1"	22-35	14	14

NOTE

PROPOSED SPEED LIMIT
25 MPH(R2-1)



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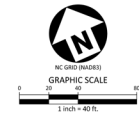
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REVISIONS

PLAN INFORMATION	
PROJECT NO.	2021110767
FILENAME	2021110767-PSP-T1
CHECKED BY	NDW
DRAWN BY	KWH
SCALE	1" = 40'
DATE	08. 04. 2023
SHEET	

TRANSPORTATION
PLAN
C2.03



PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



McADAMS

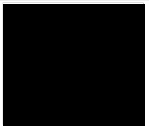
The John R. McAdams Company, Inc.
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DORAN

BLUEJACK FALLS -9 ACRE TRACT
PRELIMINARY SUBDIVISION PLAN
2537 WALL STORE ROAD
RALEIGH, NORTH CAROLINA 27610



REVISIONS

NO.	DATE	REVISION
1	01.05.2024	PER COR CORRECTIONS
2	03.15.2024	PER COR CORRECTIONS
3	05.07.2024	PER COR CORRECTIONS
4	06.27.2024	PER COR CORRECTIONS
5	02.14.2025	REV. P/L FOR 50' PROTECTIVE YARD
6	05.20.2025	PER COR CORRECTIONS
7	08.08.2025	PER COR CORRECTIONS

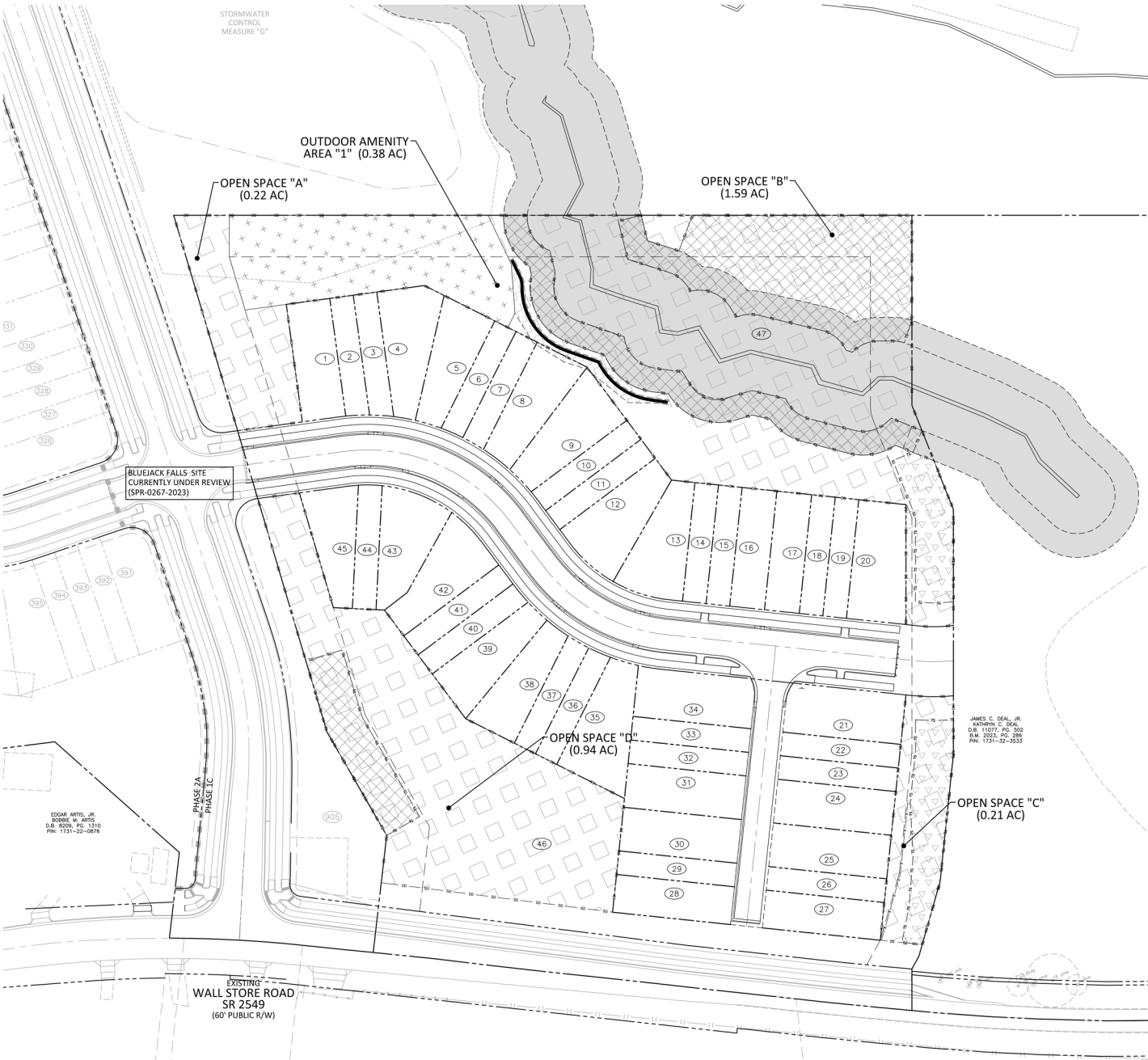
PLAN INFORMATION

PROJECT NO.	2021110767
FILENAME	2021110767-PSP-53
CHECKED BY	NDW
DRAWN BY	KWH
SCALE	1" = 40'
DATE	08.04.2023

SHEET

OPEN AREA
PLAN

C2.04



OUTDOOR AMENITY AREA	
NET SITE AREA	8.58 AC (286,594 SF)
REQUIRED OUTDOOR AMENITY AREA	0.31 AC (10,631 SF)
AMENITY AREA "1"	0.38 AC (13,068 SF)
USABLE AREA	YES

OPEN SPACE	
NET SITE AREA	6.58 AC (226,594 SF)
REQUIRED OPEN SPACE	1.31 AC (45,319 SF) (20%)
PROVIDED OPEN SPACE	2.85 AC (98,650 SF) (43%)

OPEN SPACE DESCRIPTIONS	
OPEN SPACE AREA "A" (7%)	TERTIARY OPEN SPACE
OPEN SPACE AREA "B" (24%)	PRIMARY OPEN SPACE (BUFFERED AREA)
OPEN SPACE AREA "C" (7%)	SECONDARY OPEN SPACE
OPEN SPACE AREA "D" (32%)	SECONDARY OPEN SPACE

LEGEND	
OUTDOOR AMENITY	++ ++ ++ ++ ++
OPEN SPACE	--- --- --- --- ---

SEE SHEET C0.00 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT CITY OF RALEIGH AND NCDOT (WHERE APPLICABLE) ENGINEERING DESIGN AND CONSTRUCTION STANDARDS



GRAPHIC SCALE
0 20 40
1" = 40'

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



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DORAN

BLUEJACK FALLS -9 ACRE TRACT PRELIMINARY SUBDIVISION PLAN 2537 WALL STORE ROAD RALEIGH, NORTH CAROLINA 27610

REVISIONS

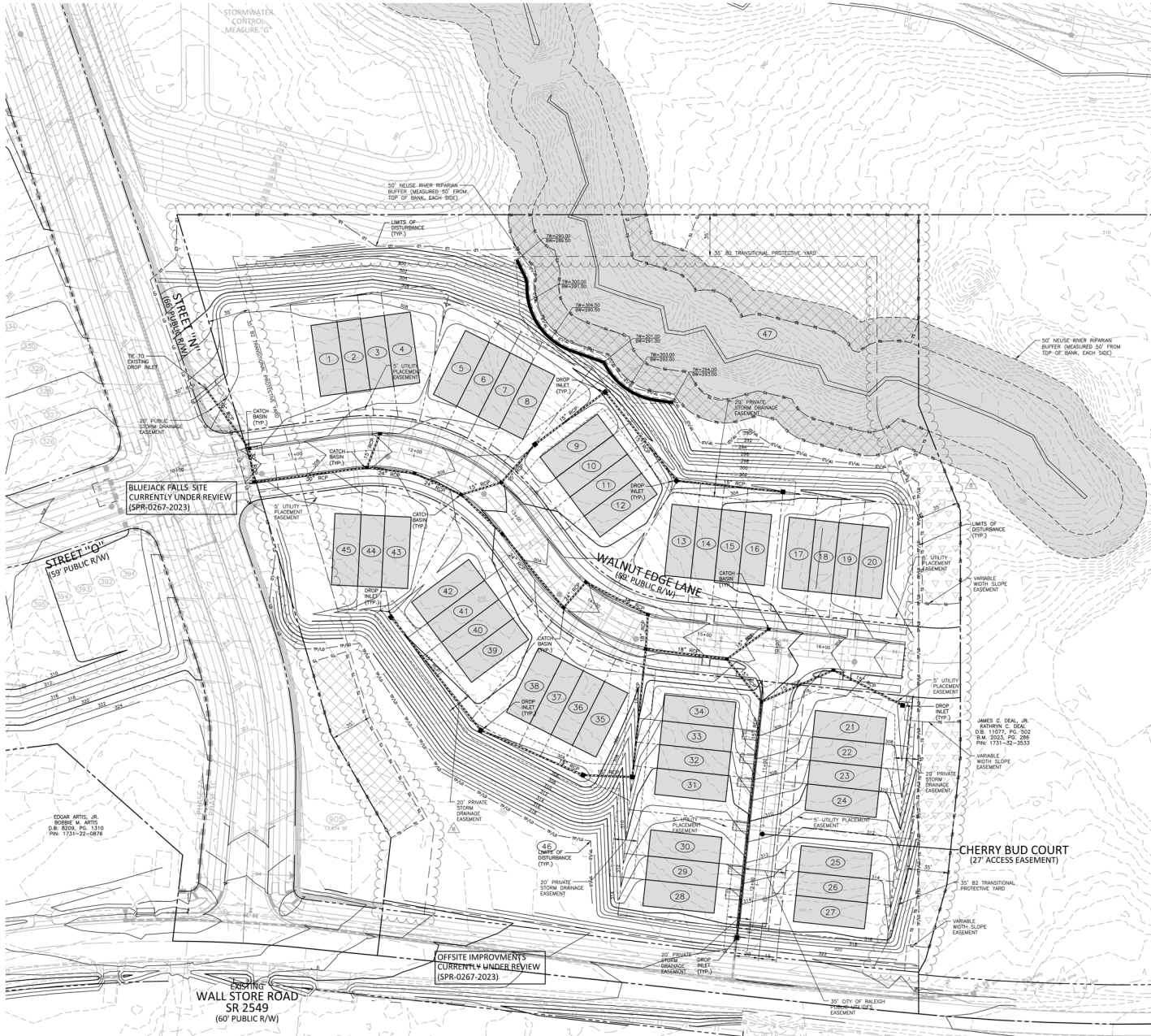
NO.	DATE	DESCRIPTION
1	01.05.2024	PER COR COMMENTS
2	03.15.2024	PER COR COMMENTS
3	05.07.2024	PER COR COMMENTS
4	06.27.2024	PER COR COMMENTS
5	02.14.2025	REV. P/L FOR 30' PROTECTIVE YARD
6	05.20.2025	PER COR COMMENTS
7	08.08.2025	PER COR COMMENTS

PLAN INFORMATION

PROJECT NO. 2021110767
FILENAME 2021110767-PSP-G1
CHECKED BY NDW
DRAWN BY KWH
SCALE 1" = 40'
DATE 08.04.2023
SHEET

GRADING AND STORM DRAINAGE PLAN

C3.00



GRADING LEGEND

	FLARED END SECTION
	ENDWALL SECTION
	CATCH BASIN
	DROP INLET
	STORM SERVICE INLET
	STORM SERVICE ROOF-DRAIN
	JUNCTION BOX
	DRAINAGE FLOW ARROW
	LINE BREAK SYMBOL
	TOP & BOTTOM CURB ELEVATIONS
	TOP OF WALL ELEVATION
	BOTTOM OF WALL ELEVATION (NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
	SPOT ELEVATION
	STORM DRAINAGE
	STORM SERVICE LINE
	ROOF DRAIN, 8" ADS NON-PERFORATED TUBING OR EQUAL 1.0% MIN. SLOPE 3' MIN. COVER PVC SCHEDULE 40 IN TRAFFIC AREAS
	TREE PROTECTION FENCE
	LIMITS OF DISTURBANCE
	WOODED AREA
	MAJOR CONTOUR
	MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EASEMENT LINE
	TREE CONSERVATION AREA
	TREE PROTECTION AREA

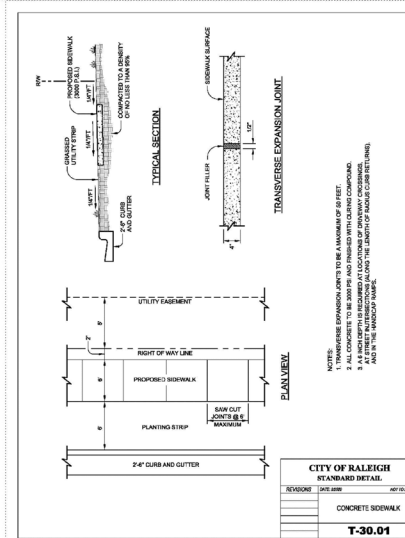
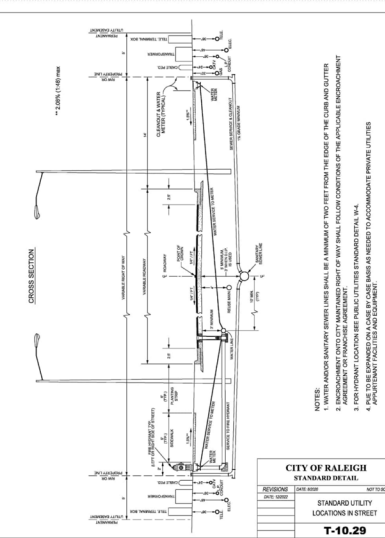
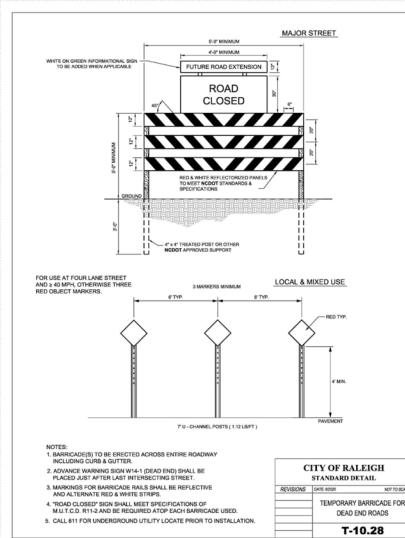
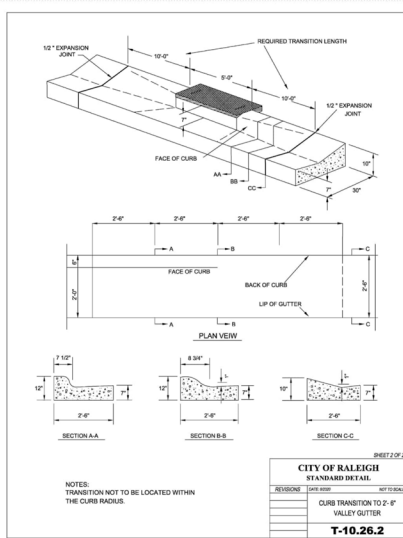
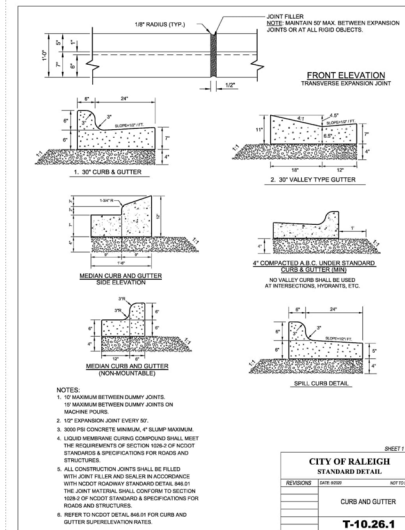
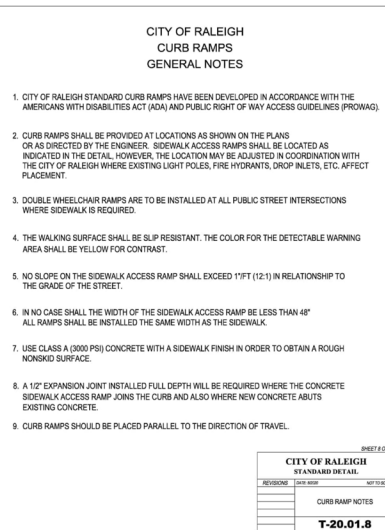
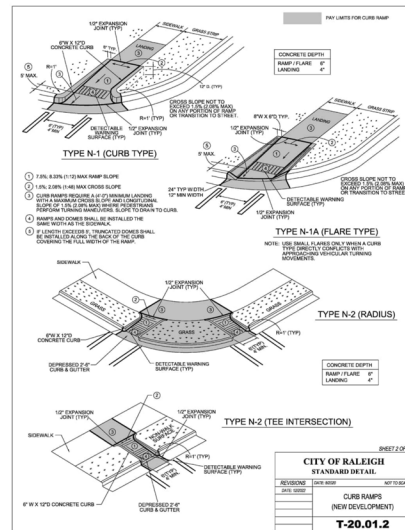
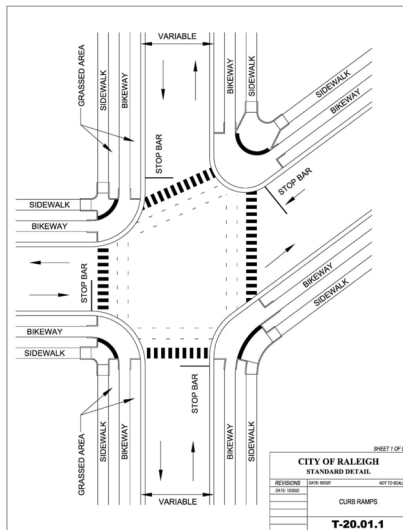
SEE SHEET C0.00 FOR ALL PROJECT, SITE, GRADING,
STORM DRAINAGE AND UTILITY NOTES

ALL CONSTRUCTION SHALL BE IN ACCORDANCE
WITH THE CURRENT CITY OF RALEIGH AND NCDOT
(WHERE APPLICABLE) ENGINEERING DESIGN AND
CONSTRUCTION STANDARDS



GRAPHIC SCALE
1" = 40'
0 20 40 60 80
1 inch = 40 feet

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

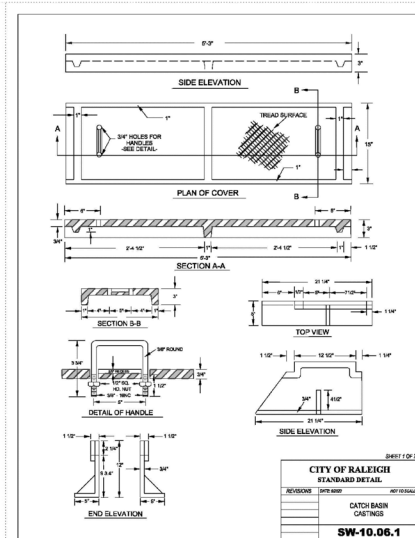
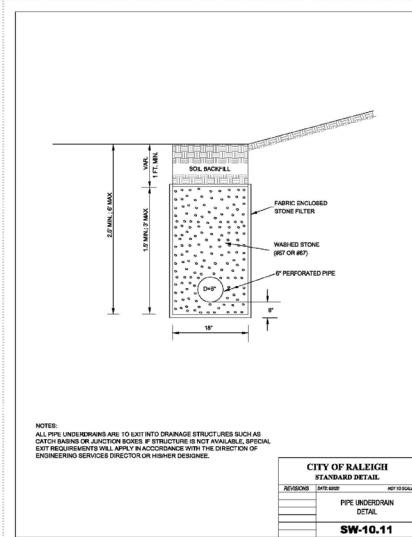
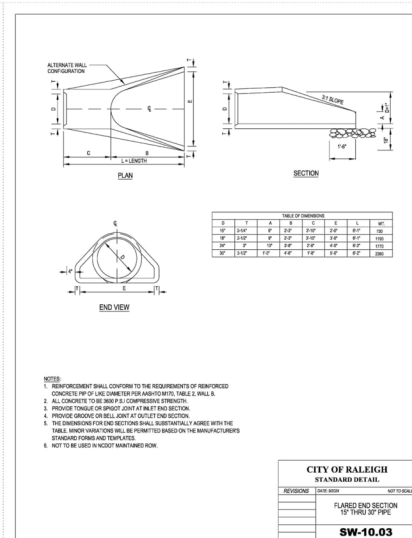
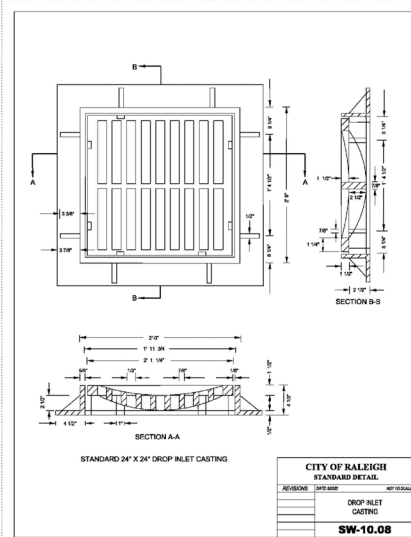
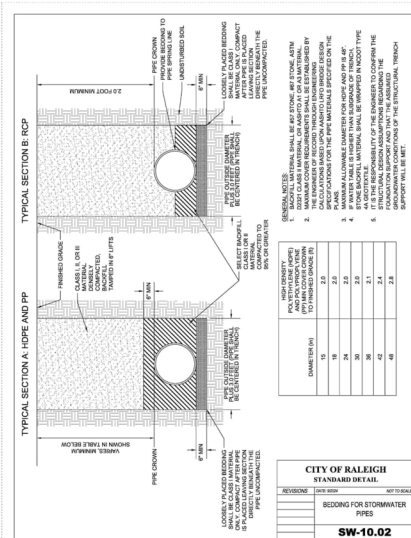
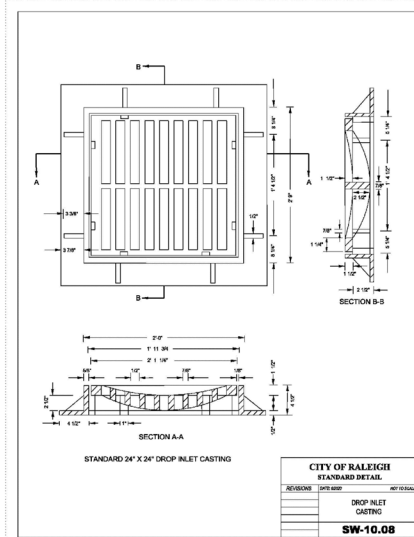
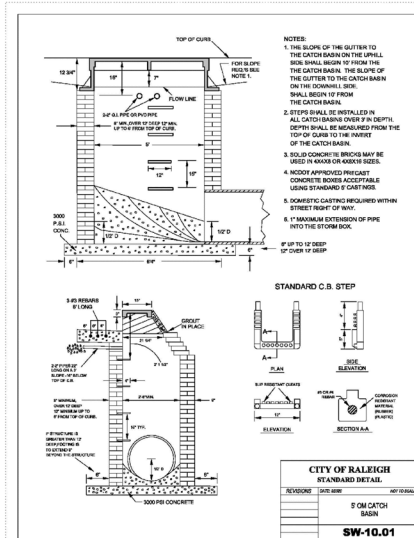


REVISIONS

NO.	DATE	REVISION
1	01.05.2024	PER COR COMMENTS
2	03.15.2024	PER COR COMMENTS
3	05.07.2024	PER COR COMMENTS
4	06.27.2024	PER COR COMMENTS
5	02.14.2025	REV. P/L FOR 52' PROTECTIVE YARD
6	05.20.2025	PER COR COMMENTS
7	08.08.2025	PER COR COMMENTS

PLAN INFORMATION

PROJECT NO.	2021110767
FILENAME	2021110767-PSP-D1
CHECKED BY	NDW
DRAWN BY	KWH
SCALE	N.T.S.
DATE	08.04.2023





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PHONE: 952.288.2051

DORAN

BLUEJACK FALLS -9 ACRE TRACT
PRELIMINARY SUBDIVISION PLAN
2537 WALL STORE ROAD
RALEIGH, NORTH CAROLINA 27610

REVISIONS

NO.	DATE	REVISION
1	01.05.2024	PER COR COMMENTS
2	03.15.2024	PER COR COMMENTS
3	05.07.2024	PER COR COMMENTS
4	06.27.2024	PER COR COMMENTS
5	02.14.2025	REV. P/L FOR 52 PROTECTIVE YARD
6	03.20.2025	PER COR COMMENTS
7	08.08.2025	PER COR COMMENTS

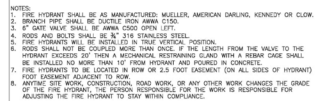
PLAN INFORMATION

PROJECT NO.	2021110767
FILENAME	2021110767-PSP-D1
CHECKED BY	NDW
DRAWN BY	KWH
SCALE	N.T.S.
DATE	08.04.2023

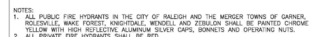
SHEET

STORM DRAINAGE DETAILS

C8.02



CITY OF RALEIGH	
STANDARD DETAIL	
APPROVED	DATE
	STANDARD FIRE HYDRANT
	INSTALLATION
	(RESTRAINT GLASS)
	W-4



CITY OF RALEIGH	
STANDARD DETAIL	
REVISED	DATE
	STANDARD FIRE HYDRANT
	5" STOKZ PUMPER IN
	W-5



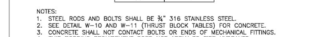
CITY OF RALEIGH	
STANDARD DETAIL	
REVISIONS	<i>date revision</i>
	THRUST BLOCKING
	DATA FOR WATER
	W-7

[illegible]

CITY OF RALEIGH	
STANDARD DETAIL	
APPROVED	DRAWN
	THRUST BLOCKING
	QUANTITY TABLE
	W-10



CITY OF RALEIGH	
STANDARD DETAIL	
APPROVED	<i>only for use</i>
	4" - 24" STANDARD SLEEVE AND VALVE
	W-14



BRANCH SIZE	NO. OF RODS
4"	2
6"	2
8"	4
12"	4
18"	6
24"	6
30"	8
36"	8

CITY OF RALEIGH	
STANDARD DETAIL	
REVISIONS	DATE
	VALVE RESTRAINT AT AND CROSSES FOR (4"-24")
	W-15

CITY OF RALEIGH	
STANDARD DETAIL	
REVISIONS	DATE / DRAWING
	VALVE BOX INSTALL AND EXTENSIO
	W-17



6	
8	
12	
16	
24	

NO	1
	2
	3
	4

CITY OF RALEIGH	
STANDARD DETAIL	
REVISION	DATE
STANDARD VERTICAL	
W-12	

RESTRAINT REQUIREMENTS			
PIPE SIZE	RODING	RJ GLANDS	THRUST COLLAR
2"	X	X	X
2"	X	X	X

DENOTES REQUIRED RESTRAINT.

RODDING	HJ GLANDS	THRU- COLLAR	B
2"	X	X	X
2"	X	X	X

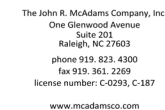
DENOTES REQUIRED RESTRAINT.
 AL JOINT BENDS.



MAN SIZE	END PIPE SIZE
6"-12"	6" MIN.
≥16"	APPROVED BY RALPH WATER



	CITY OF RALEIGH
	STANDARD DETAIL
	DATE: 07-18-2019
	THURST BLOCKING
	W-9



CLIENT

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BLUEJACK FALLS -9 ACRE TRACT
PRELIMINARY SUBDIVISION PLAN
2537 WALL STORE ROAD
RALEIGH, NORTH CAROLINA, 27610

REVISIONS

NO.	DATE	
2	01.05.2024	PER COR COMMENTS
3	03.15.2024	PER COR COMMENTS
4	05.07.2024	PER COR COMMENTS
5	06.27.2024	PER COR COMMENTS
6	02.14.2025	REV. P/L FOR 35' B2 PROTECTIVE YARD
7	05.20.2025	PER COR COMMENTS
8	09.09.2025	PER COR COMMENTS

PLAN INFORMATION

PROJECT NO.	2021110767
FILENAME	2021110767-PSP-D1
CHECKED BY	NDW
DRAWN BY	KWH
SCALE	N.T.S.
DATE	08. 04. 2023
SHEET	

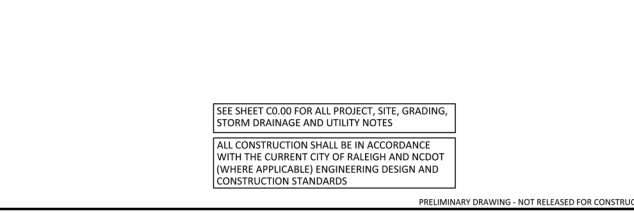
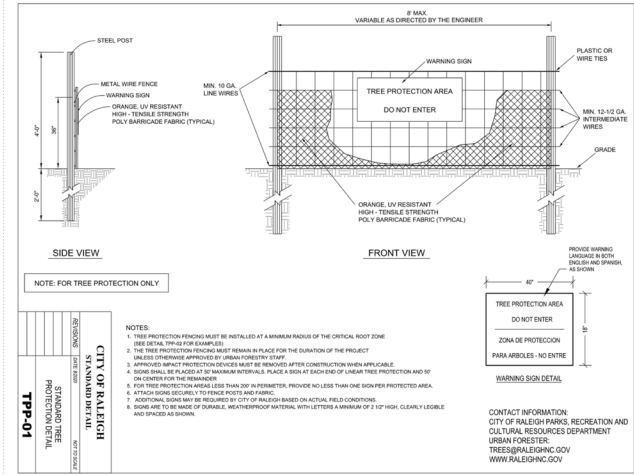
WATER DETAILS

C8.03

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

2. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF ALEXANDER AND THE STATE OF NORTH CAROLINA STANDARDS AND SPECIFICATIONS.
3. CONTRACTOR IS RESPONSIBLE FOR THE SITE INSPECTION BEFORE LANDSCAPE CONSTRUCTION AND INSTALLATION IN ORDER TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS.
4. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES BEFORE BEGINNING DEMOLITION OR INSTALLATION.
5. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN THE NOTES, SPECIFICATIONS, DRAWINGS OR SITE CONDITIONS FOR RESOLUTION PRIOR TO INSTALLATION.
6. ANY DAMAGE TO UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
7. THIS PLAN IS FOR PLANTING PURPOSES ONLY. FOR INFORMATION REGARDING GRADING, DRAINAGE, WALLS, ETC., REFER TO ARCHITECTURAL, SITE AND GRADING PLANS.
8. VERIFICATION OF ALL PLANT MATERIALS IN THE PLANT SCHEDULE SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR. ANY DISCREPANCIES SHALL BE BROUGHT TO ATTENTION OF THE LANDSCAPE ARCHITECT.
9. CONTRACTOR TO ENSURE PROPER STABILIZATION AND SEEDING OF THE SITE IN ACCORDANCE WITH APPLICABLE REGULATIONS.
10. LANDSCAPE MATERIAL SHALL BE WELL NURTURED, VIGOROUS, GROWING SPECIMENS WITH GROWTH TYPICAL OF VARIETIES SPECIFIED AND SHALL BE FREE FROM DAMAGE, INSECTS AND DISEASES. PLANTS SHALL BE EQUIV. OR SUPERIOR IN QUALITY AS SHOWN IN THE CURRENT CODE OF PRACTICES GUIDE FOR NURSERY STOCK, AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION.
11. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING TREES, BUT NOT THE TRUNK, BRANCHES AND/OR FOLIAGE OF THE PLANT. MISAPPROPRIATE PLANT MATERIAL MAY BE SELECTED BY THE LANDSCAPE ARCHITECT.
12. ALL PLANT MATERIAL IS TO BE WELL IRRIGATED, NOT ROOT BOUND, SUCH THAT THE ROOT BALL REMAINS INTACT THROUGHOUT THE PLANTING PROCESS. DEFICIENT PLANT MATERIAL MAY BE REPLACED AT THE CONTRACTOR'S EXPENSE.
13. ALL PLANTS TO BE A MINIMUM OF 5" DIAMETER IN THE PLANT SCHEDULE. ANY CHANGES OR SUBSTITUTIONS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT AND GOVERNING AGENCIES.
14. CONTRACTOR TO COORDINATE WITH OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT TO ESTABLISH THE EXTENTS OF AVOIDANCE/SHOULDER IF NOT SPECIFICALLY SHOWN ON PLANS.
15. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE IN ALL PLANTING AREAS.
16. PROPOSED TREES TO BE PLANTED A MINIMUM 10 FEET FROM ANY LIGHT POLE AS MEASURED FROM TRUNK OF TREE TO THE POLE.

- PROPOSED TREES TO BE PLANTED AT MINIMUM 5' MINIMUM SPACING FROM FIRE HYDRANT AS MEASURED FROM TRUNK OF THE TREE TO THE HYDRANT.
1. CONTRACTOR SHALL COMPLETE SOIL TEST AT ALL PLANTING AREAS TO DETERMINE SOIL AMENDMENT REQUIREMENTS UNLESS WAIVED BY OWNER'S REPRESENTATIVE. CONTRACTOR SHALL ADVISE OWNER'S REPRESENTATIVE OF ANY SOIL TEST RESULTS.
2. TOPSOIL SHALL BE FREE OF MATERIAL LARGER THAN 2" INCHES IN DIAMETER OR LENGTH AND SHALL NOT CONTAIN SALTS, CONCRETE, STUMPS, LIMBS OF TREES, STICKS, ROCKS, TRASH, OR OTHER EXTERNAL MATERIAL.
3. LOOSEN SUBGRADE / TOPSOIL SOIL TO A MINIMUM DEPTH OF 6" INCHES, APPLY SOIL AMENDMENTS AND FERTILIZERS AS REQUIRED BY THE SOIL TEST RESULTS TO ACHIEVE A HEALTHY GROWING MEDIUM. TOPSOIL SHALL BE THOROUGHLY MIXED WITH 6" INCHES OF SUBGRADE. SOIL SHALL BE ADOPTED AT A DEPTH OF 6" INCHES OR MORE THAN REQUIRED TO MEET PLANTING REQUIREMENTS.
4. CONTRACTOR SHALL NOT DISTURB PLANTING AREAS UNLESS NECESSARY TO PREPARE PLANTING AREAS.
5. IF NEEDED TO EXPOSE EXISTING UTILITY SUBURFACE SHALL BE CAPABLE TO WITHSTAND A LOAD OF AT LEAST 10,000 LBS. PER SQ. FT. OF INSULATION OF IMPORTED TOPSOIL.
6. PLANT MATERIALS TO BE PLANTED, THE TOPSOIL SHALL BE USED TO INTEGRATE THE SOIL PROFILE.
7. PLANT MATERIALS ARE TO BE GUARANTEED FOR A PERIOD OF 12 MONTHS. PLANT MATERIALS WHICH REMAIN UNPLANTED WILL BE REPLACED BY THE LANDSCAPE CONTRACTOR BEFORE THE END OF THE 12 MONTHS PERIOD. PLANT MATERIALS TO BE REPLACED ARE THOSE SUBJECTED TO THE OWNER'S REPRESENTATIVE OR LANDSCAPE CONTRACTOR'S ARCHITECT.
8. ALL TREE PLANTINGS SHALL BE NURSLED TO A DEPTH OF 36" INCHES AND WITH A MINIMUM 10' FOOT RADIUS FROM BASE OF TREE OR TO DRIPLINE. MUCKSHALL SHALL BE FREE OF TRASH AND DEBRIS. CONTRACTOR SHALL NOT DISTURB EXISTING PLANTINGS.
9. DO NOT CUT TREES AND REMOVE BRANCHES TO PROTECT BARK, BRANCHED, AND SPACED TO PROTECT PLANTING AREAS.
10. CONTRACTOR SHALL PROTECT EXISTING PLANTINGS AND TREES. CONTRACTOR SHALL PROTECT EXISTING PLANTINGS AND TREES BY MAINTAINING AND TRIMMING AND TRIMMING AND TRIMMING. DO NOT BURN OR BURN THE TREES OR BRANCHES TO SUCH A MANNER AS TO DESTROY THEIR NATURAL SHAPE. PROVIDE PROTECTIVE COVERING OF EXISTING PLANTS DURING PLANTING.
11. DELIVER EXISTING PLANTS TO THE PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED AND IMMEDIATELY AFTER UNLOADING, STAKE THE TREES TO REDUCE THE RISK OF SOIL COLLAPSE. PROPOSED TREES ARE STANDING, UNROOTED AND SPACED. UNLESS OTHERWISE INSTALLED, SET EXISTING PLANTS AND TREES IN SHADE. PROTECT FROM WEATHER AND MECHANICAL DAMAGE, AND KEEP ROOTS MOIST.
12. SET LANDSCAPE DETAILS FOR TREE STAKING REQUIREMENTS.
13. CONTRACTOR SHALL REMOVE DEBRIS AND THE FINAL LAND PLANTING AREAS FOR TREE INSTALLATION.
14. REMOVE CULWIRMS AND STAKES AT END OF WARRANTY PERIOD OR ESTABLISHMENT.
15. FINISH GRADING: GRADE PLANTING AREAS TO A SMOOTH, UNIFORM SURFACE PLANE WITH A SLOPE OF 1% INFLOR. UNIFORM FINISH TEXTURE. GRADE TO WITHIN PLUS OR MINUS 1/2" INCH OF FINISH GRADE. CONTRACTOR SHALL MAINTAIN THE FINISH GRADE TO WITHIN PLUS OR MINUS 1/2" INCH OF FINISH GRADE. CONTRACTOR SHALL MAINTAIN THE FINISH GRADE TO WITHIN PLUS OR MINUS 1/2" INCH OF FINISH GRADE.
16. ALL TREES LOCATED WITH SHORT DISTANCE TRIMMING SHALL BE LIMBED UP TO A HEIGHT OF 10 FEET. HIGHER CALIPER AT TEXTURE GRADE WILL BE NECESSARY.

[illegible]

REVISIONS		
NO.	DATE	
2	01. 05. 2024	PER COR COMMENTS
3	03. 15. 2024	PER COR COMMENTS
4	05. 07. 2024	PER COR COMMENTS
5	06. 27. 2024	PER COR COMMENTS
6	02. 14. 2025	REV. P/L FOR 35' B2 PROTECTIVE YARD
7	09. 20. 2025	PER COR COMMENTS
8	08. 08. 2025	PER COR COMMENTS

PLAN INFORMATION	
PROJECT NO.	2021110767
FILENAME	2021110767-PSP-LS1
CHECKED BY	BAP
DRAWN BY	BAP
SCALE	AS SHOWN
DATE	08. 04. 2023
SHEET	

LANDSCAPE
NOTES + DETAILS
L5.02