



Administrative Approval Action

Case File / Name: ASR-0057-2023
DSLC - AUTOZONE #5783

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

- LOCATION:** The site is approximately 1.5 acres, located on the east side of Rock Quarry Road; south of Lyndhurst Drive, at 2003 Rock Quarry Road, PIN # 1712591179. It is inside the City limits.
- REQUEST:** The project consists of a new 6,816 sf auto parts store (general building type) with off-street parking. The site is zoned NX-3-CU.
- 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 February 15, 2024 by AUTOZONE DEVELOPMENT, LLC.

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:

Engineering

1. 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

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

☒ **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.

<input checked="" type="checkbox"/>	Cross Access Agreements Required
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<input checked="" type="checkbox"/>	Right of Way Deed of Easement Required
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☒ **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:

Engineering

1. A cross access agreement among the lots identified as PINs 1712591179 and 1712591386 shall be approved by the Development Services Department for recording in the Wake County Registry, and a copy of the recorded offer of cross access easement shall be returned to the Development Services Department within one day of plat recordation. If a recorded copy of the document is not provided within this time, further recordings and building permit issuance will be withheld.
2. 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)

Stormwater

3. 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).
4. 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).

☒ **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:

Engineering

1. A fee-in-lieu for 6' width for MUP along property frontage shall be paid to the City of Raleigh (UDO 8.1.10).

Stormwater



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2. 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).

Urban Forestry

3. A tree impact permit must be obtained for the approved streetscape tree installation in the right of way. This development proposes 5 street trees along Edwin Dr and 2 street trees along Rock Quarry Rd.
4. A public infrastructure surety for 5 street trees along Edwin Dr and 2 street trees along Rock Quarry Rd 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

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

General

1. Final inspection of all right of way street trees by Urban Forestry Staff.

Stormwater

2. As-built impervious survey is accepted by the Engineering Services Department (UDO 9.2).
3. 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: The expiration provisions of UDO Section 10.2.8 E, including the ability to request extensions in the expiration date, apply to this site plan. If significant construction has not taken place on a project after administrative site review approval, that approval may expire and be declared void, requiring re-approval before permits may be issued. To avoid allowing this plan approval to expire the following must take place by the following dates:

3-Year Expiration Date: March 20, 2027

Obtain a valid building permit for the total area of the project, or a phase of the project.

4-Year Completion Date:

Within four years after issuance of the first building permit for the site plan, the construction of the entire site plan must be completed unless an applicant has been granted vested rights. Failure to complete construction within this specified time frame shall automatically void the approved site plan for which no building permits have been issued.



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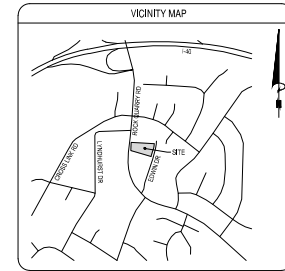
City of Raleigh
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I hereby certify this administrative decision.

Signed: _____ Date: 03/20/2024
Development Services Dir/Designee
Staff Coordinator: Jeff Caines



Know what's below.
Call before you dig.



Index of Drawings	
SHEET NUMBER	SHEET TITLE
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C.2	GENERAL NOTES, ABBREVIATIONS, AND LEGEND
D.0	EXISTING CONDITIONS
D.1	EXISTING PLAN
D.2	SITE PLAN
C.1	ROADWAY PLAN (ROCK QUARRY)
D.3	GRAZING PLAN
D.4	UTILITY PLAN
D.5	CONSTRUCTION DETAILS
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D.8	UTILITY DETAILS
D.9	STORMWATER MANAGEMENT DETAILS
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C.7	LANDSCAPE PLAN
C.8	LANDSCAPE PLAN
C.8	LIGHTING DETAILS
C.8	LIGHTING DETAILS
	EXTERIOR FOR EXISTING AND NOTES

Bowman North Carolina Ltd.
4006 BARRETT DR
Suite 104
RALEIGH, NC 27609
Phone: (919)553-6570
bowman.com
Bowman North Carolina Ltd.

COVER SHEET
AutoZone
FILE #: ASR-0057-2023
2003 ROCK QUARRY ROAD
RALEIGH, NC WAKE COUNTY

[illegible]

LEGEND NOTES

1. THIS IS A STANDARD SHEET, THEREFORE SOME ABBREVIATIONS MAY APPEAR ON THIS SHEET AND NOT BE USED ON THE PROJECT.
2. ADDITIONAL LEGENDS AND NOTES MAY BE FOUND ON OTHER SHEETS ASSOCIATED WITH THIS PLAN. THESE LEGENDS AND NOTES ARE TO BE REFERENCED IN ADDITION TO THIS STANDARD SHEET.

IPF	IRON PIPE FOUND	W/M OR WM	WATER MAIN
IPS	IRON PIPE SET	W/TB	WITH THRUST BLOCK
IRR	IRRIGATION	WSL	WATER SURFACE ELEVATION
		WV	WATER VALVE
JB	JUNCTION BOX		
JNT	JOINT	XNG	CROSSING
		XF	TRANSFORMER

GENERAL EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL REMOVE ALL SEDIMENT, MUD AND CONSTRUCTION DEBRIS THAT MAY ACCUMULATE IN THE FLOWLINES AND PUBLIC RIGHTS-OF-WAY OF THE APPROPRIATE GOVERNING AGENCY AS A RESULT OF THIS CONSTRUCTION PROJECT. SMO REMOVAL SHALL BE CONDUCTED IN A TIMELY MANNER.
2. THE CONTRACTOR SHALL PREVENT SEDIMENT, DEBRIS AND ALL OTHER POLLUTANTS FROM ENTERING THE STORM SEWER SYSTEM DURING ALL DEMOLITION AND CONSTRUCTION OPERATIONS THAT ARE A PART OF THIS PROJECT. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR REMEDIATION OF ANY ADVERSE IMPACTS TO ADJACENT WATERWAYS, WETLANDS, ETC., RESULTING FROM WORK DONE AS A PART OF THIS PROJECT.
3. ALL DISTURBED AREAS MUST BE HYDRO-MULCHED W/ TACKIFIER AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE NOT OTHERWISE PERMANENTLY STABILIZED.
4. THE CONTRACTOR SHALL INSURE THAT ALL LOADS OF CUT AND FILL MATERIAL IMPORTED TO OR EXPORTED FROM THIS SITE SHALL BE PROPERLY COVERED TO PREVENT LOSS OF THE MATERIAL DURING TRANSPORT ON PUBLIC RIGHTS-OF-WAY.
5. THE USE OF REBAR, STEEL STAKES, OR STEEL FENCE POSTS TO STAKE DOWN STRAW OR HAY BALES, OR TO SUPPORT SILT FENCE USED AS AN EROSION CONTROL MEASURE, IS PROHIBITED. THE USE OF OSHA APPROVED COLORED WARNING CAPS ON REBAR OR FENCE POSTS USED WITH EROSION CONTROL MEASURES IS NOT ACCEPTABLE.
6. IF SLOOPLIES ARE LOCATED WITHIN 100 FEET OF A DRAINAGE WAY, ADDITIONAL SEDIMENT CONTROLS SUCH AS TEMPORARY DIKES OR SILT FENCE SHALL BE REQUIRED.
7. APPROVED EROSION AND SEDIMENT CONTROL "BEST MANAGEMENT PRACTICES" SHALL BE MAINTAINED AND KEPT IN GOOD REPAIR FOR THE DURATION OF THE PROJECT. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL BMP'S WEEKLY AND AFTER SIGNIFICANT PRECIPITATION EVENTS. ALL NECESSARY MAINTENANCE AND REPAIR SHALL BE COMPLETED IN A TIMELY MANNER. ACCUMULATED SEDIMENT AND DEBRIS SHALL BE REMOVED FROM A BMP WHEN THE SEDIMENT LEVEL REACHES ONE HALF THE HEIGHT OF THE BMP OR, AT ANY TIME THAT SEDIMENT OR DEBRIS ADVERSELY IMPACTS THE FUNCTION OF THE BMP. A BUILDUP OF EXCESSIVE SEDIMENT OCCURRING IN FLAT AREAS, BEHIND STRAW BALES, AND BEHIND SILT FENCES WILL BE REMOVED PROMPTLY. DISLOCATED STRAW BALES AND COLLAPSED OR TORN SILT FENCES WILL BE IMMEDIATELY REPAIRED.
8. THE CLEANING OF CEMENT TRUCK DELIVERY CHUTES SHALL OCCUR IN A PREDEFINED CONTAINMENT AREA. THE DISCHARGE OF WATER CONTAINING CEMENT TO THE STORM SEWER SYSTEM IS PROHIBITED.
9. EROSION BALES SHALL BE PLACED SUCH THAT RUNOFF WILL NOT FLOW BETWEEN, AROUND OR UNDER BALES. BALES TO BE ANCHORED WITH 2" X 2" X 3' WOODEN STAKES OR TWO PER BALE.
10. WHEN TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES ARE TO BE REMOVED, ANY SILT AND SEDIMENT DEPOSITS SHALL BE REMOVED AND SPREAD EVENLY IN OPEN AREAS.
- 11.
12. BEST MANAGEMENT PRACTICES (BMP) DETAILS SHOWN ON THESE PLANS ARE CONCEPTUAL ONLY. ADJUST AS NECESSARY TO FIT FIELD CONDITIONS.
13. TEMPORARY SEDIMENT BASINS SHALL BE USED DURING CONSTRUCTION TO CONTAIN ALL RUNOFF FROM THE SITE. IF TRENCH Dewatering OR GROUND WATER REMOVAL IS REQUIRED, THE SEDIMENT POND OR OTHER APPROVED MEANS SHALL BE USED TO DETAIN ALL WATER PUMPED BY THESE OPERATIONS.
14. THE CONTRACTOR SHALL SUBMIT A SCHEDULE OF CONSTRUCTION, GRADING AND LANDSCAPING, INCLUDING THE NAME AND 24 HOUR PHONE NUMBER OF THE RESPONSIBLE PARTY TO CONTACT REGARDING ANY EROSION OR SEDIMENT PROBLEM TO THE APPROPRIATE GOVERNING AGENCY PRIOR TO BEGINNING ANY CONSTRUCTION.
15. EROSION CONTROL MEASURES TO BE COORDINATED WITH CONSTRUCTION MANAGER.
16. EROSION AND SEDIMENT CONTROL SHALL BE INSTALLED IN ACCORDANCE WITH REGULATIONS OF THE APPROPRIATE GOVERNING AGENCY.

GENERAL NOTES, ABBREVIATIONS, AND LEGEND

AutoZone
 FILE #: ASR-0057-2023
 2003 ROCK QUARRY ROAD
 RALEIGH, NC WAKE COUNTY

PLAN STATUS	
9/25/23	ASR 1ST SUBMITTAL
12/22/23	ASR 2ND SUBMITTAL
2/15/24	ASR 3RD SUBMITTAL

DATE	DESCRIPTION	
JA	XXX	XXX
DESIGN	DRAWN	CHKD
SCALE	1"	

JOB No. 220065-01-001

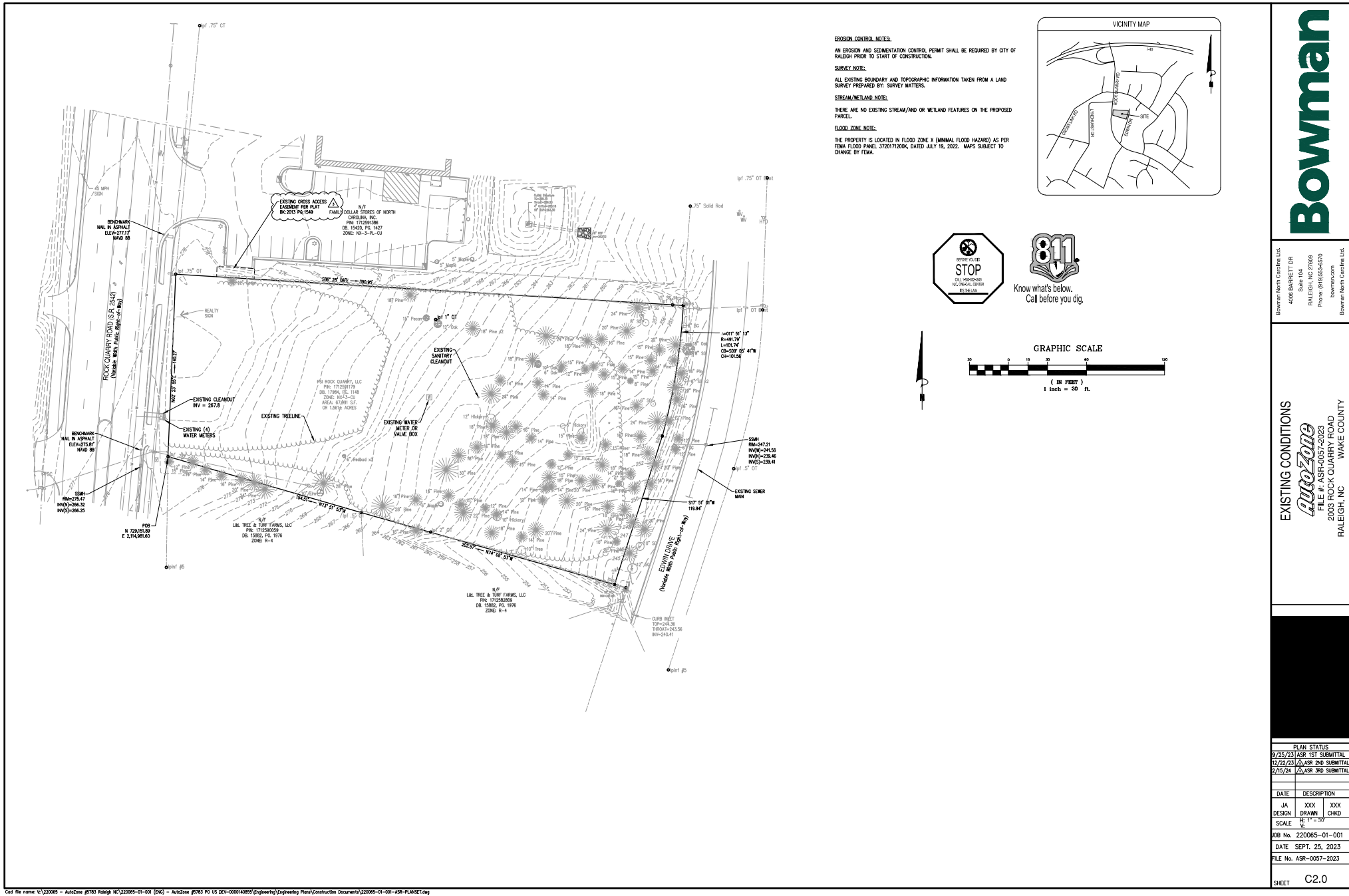
DATE SEPT. 25, 2023

FILE No. ASR-0057-2023

SHEET C1.2

Bowman North Carolina Ltd.
 4008 BARRETT DR
 Suite 104
 RALEIGH, NC 27609
 Phone: (919)555-6079
 bowman.com
 Bowman North Carolina Ltd.

Bowman

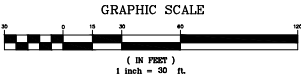
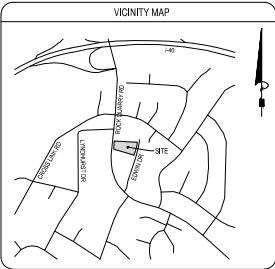


EROSION CONTROL NOTES:
AN EROSION AND SEDIMENTATION CONTROL PERMIT SHALL BE REQUIRED BY CITY OF RALEIGH PRIOR TO START OF CONSTRUCTION.

SURVEY NOTE:
ALL EXISTING BOUNDARY AND TOPOGRAPHIC INFORMATION TAKEN FROM A LAND SURVEY PREPARED BY: SURVEY MATTERS.

STREAM/WETLAND NOTE:
THERE ARE NO EXISTING STREAM/AND/OR WETLAND FEATURES ON THE PROPOSED PARCEL.

FLOOD ZONE NOTE:
THE PROPERTY IS LOCATED IN FLOOD ZONE X (MINIMAL FLOOD HAZARD) AS PER FEMA FLOOD PANEL 170207200K, DATED JULY 19, 2022. MAPS SUBJECT TO CHANGE BY FEMA.



Bowman

Bowman North Carolina Ltd.
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EXISTING CONDITIONS

AutoZone

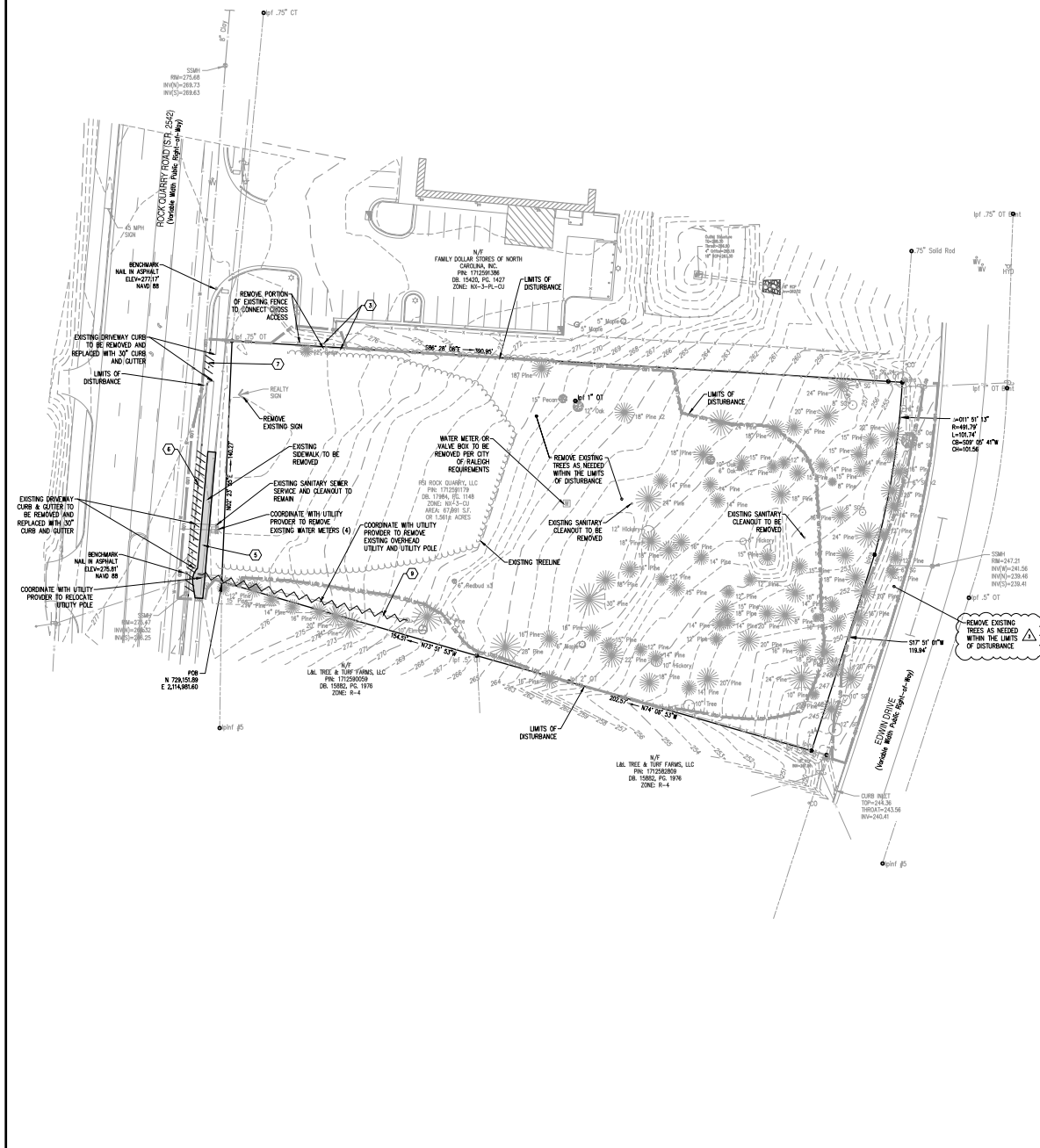
FILE # ASR-0057-2023
2003 ROCK QUARRY ROAD
WAKE COUNTY
RALEIGH, NC

PLAN STATUS	
9/25/23	ASR 1ST SUBMITTAL
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2/15/24	ASR 3RD SUBMITTAL

DATE	DESCRIPTION
JA	XXX
DESIGN	DRAWN
SCALE	1" = 30'

JOB No. 220065-01-001
DATE SEPT. 25, 2023
FILE No. ASR-0057-2023

SHEET **C2.0**



EROSION CONTROL NOTES:

AN EROSION AND SEDIMENTATION CONTROL PERMIT SHALL BE REQUIRED BY CITY OF RALEIGH PRIOR TO START OF CONSTRUCTION.

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STREAM/WETLAND NOTE:

THERE ARE NO EXISTING STREAM/AND/OR WETLAND FEATURES ON THE PROPOSED PARCEL.

FLOOD ZONE NOTE:

THE PROPERTY IS LOCATED IN FLOOD ZONE X (MINIMAL FLOOD HAZARD) AS PER FEMA FLOOD PANEL 170207200R, DATED JULY 18, 2002. MAPS SUBJECT TO CHANGE BY FEMA.

CITY NOTE:

ANY EXISTING WELLS OR SEPTIC SYSTEMS ENCOUNTERED ON THE PROJECT PARCEL ARE TO BE REMOVED PER WAKE COUNTY STANDARD PROCEDURES AND GUIDELINES.

UTILITY NOTE:

EXISTING UTILITY SERVICES (UNUSED) SHALL BE ABANDONED AT THE TAP (MAIN) AND REMOVED FROM THE RIGHT-OF-WAY OR EASEMENT.

CONSTRUCTION DRAWING NOTE:

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY OF RALEIGH AND/OR NCOTI STANDARDS AND SPECIFICATIONS.

UTILITY STATEMENT:

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES COMPRISE ALL SUCH UTILITIES IN THE AREA. EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

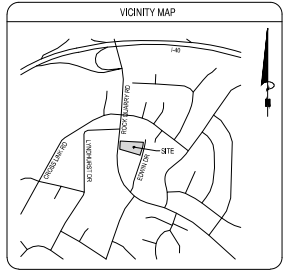
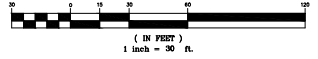
CAUTIONARY NOTE:

THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS DRAWING ARE BASED ON ABOVE GROUND EVIDENCE OR INFORMATION GATHERED DURING THE FIELD SURVEY PORTION OF THIS PROJECT. AS SUCH, THIS INFORMATION IS SPECULATIVE IN NATURE. ONLY AND SHOULD NOT BE CONSTRUED AS FACT. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF THE UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF ANY AND ALL CONSTRUCTION.

KEY NOTES:

1. REMOVE TREES AND ROOT SYSTEM
2. REMOVE EXISTING BUILDING AND FOUNDATION
3. REMOVE FENCE, POST, AND FOUNDATION
4. REMOVE ALL EXISTING SHRUBS AND DEBRIS
5. REMOVE EXISTING SIDEWALKS
6. REMOVE EXISTING CONCRETE CURB
7. REMOVE EXISTING DRIVEWAY APPROACHES
8. REMOVE EXISTING PAVEMENT
9. REMOVE EXISTING UTILITIES

GRAPHIC SCALE



DEMOLITION LEGEND

- EXISTING TREE TO BE REMOVED
- LIMITS OF DISTURBANCE
- EXISTING ASPHALT/CONCRETE/GRAVEL TO BE DEMOLISHED/REMOVED
- EXISTING BUILDING OR STRUCTURE TO BE DEMOLISHED/REMOVED
- EXISTING CURB AND GUTTER TO BE REMOVED
- EXISTING UTILITY TO BE REMOVED

DEMOLITION NOTES:

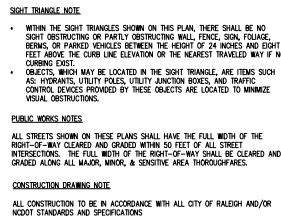
1. ALL WORK TO BE ACCOMPLISHED IN STRICT ACCORDANCE WITH ALL LOCAL ORDINANCES, CITY OR STATE.
2. WITHIN THE SUBJECT PROPERTY, THE INTENT IS TO HAVE A CLEAR, CLEAR SITE, FREE OF ALL EXISTING ITEMS NOTED TO BE REMOVED IN ORDER TO PERMIT THE CONSTRUCTION OF THE NEW PROJECT.
3. ALL ITEMS NOTED TO BE REMOVED BY THE SELLER SHALL BE ACCOMPLISHED PRIOR TO THE CLOSING OF THE REAL ESTATE TRANSACTION. ALL OTHER ITEMS NOTED TO BE REMOVED SHALL BE DONE SO AS PART OF THE CONTRACT FOR GENERAL CONSTRUCTION.
4. REMOVE AND DISPOSE OF ANY SIDEWALKS, FENCES, STAIRS, WALLS, DEBRIS AND RUBBER REQUIRING REMOVAL FROM THE WORK AREA IN AN APPROVED OFF SITE LANDFILL.
5. THE CONTRACTOR SHALL SECURE ALL PERMITS FOR HIS DEMOLITION AND DISPOSAL OF HIS DEMOLITION MATERIAL TO BE REMOVED FROM THE SITE. THE CONTRACTOR SHALL POST BONDS AND PAY PERMIT FEES AS REQUIRED. BUILDING DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITS AND DISPOSAL OF BUILDING DEMOLITION DEBRIS.
6. THE DETAILED PLANS MAY NOT REFLECT ALL UTILITIES ON THE SITE OR SURROUNDING STREETS AND PROPERTIES. THE CONTRACTOR SHALL VERIFY LOCATIONS AND EXISTENCE OF UTILITY SERVICES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CALL UTILITY LOCATE, 72 HOURS PRIOR TO CONSTRUCTION.
7. THE CONTRACTOR TO REMOVE ALL UTILITIES TO EXISTING STRUCTURES WHETHER SHOWN OR NOT OR ARRANGE FOR THE APPROPRIATE UTILITY COMPANY TO CUT AND CAP SERVICE PIPING AT THE PROPERTY LINE OR MAIN (AS REQUIRED). ALL SERVICES MAY NOT BE SHOWN ON THIS PLAN.
8. FOR ALL ITEMS NOTED TO BE REMOVED - REMOVE NOT ONLY THE ABOVE GROUND ELEMENTS, BUT ALL UNDERGROUND ELEMENTS AS WELL INCLUDING BUT NOT NECESSARILY LIMITED TO: FOUNDATIONS, GRAVEL FILLS, TREE ROOTS, OLD PIPES, ETC.
9. BACK FILL ALL EXCAVATIONS RESULTING FROM THE DEMOLITION WORK TO MEET THE REQUIREMENTS FOR FILL OUTLINED IN THE GEOTECHNICAL REPORT.
10. THE CONTRACTOR SHALL PROTECT ALL IRON PIPES, MONUMENTS AND PROPERTY CORNERS DURING CONSTRUCTION. ANY CONTRACTOR DISTURBED PINS, MONUMENTS, ETC. SHALL BE RESET BY A LICENSED LAND SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.
11. THE CONTRACTOR SHALL RESTORE ANY UTILITY STRUCTURE, PIPES, PAVEMENT, CURBS, SIDEWALKS OR LANDSCAPED AREAS DISTURBED DURING DEMOLITION TO THEIR ORIGINAL CONDITION TO THE SATISFACTION.
12. ALL BUILDINGS, FOUNDATION WALLS AND FOOTINGS INDICATED ON THIS PLAN TO BE REMOVED FROM SITE. CONTRACTOR SHALL SECURE ANY PERMITS AND PAY ALL FEES AND PERFORM CLEANING AND GRUBBING AND DEBRIS REMOVAL PRIOR TO COMMENCEMENT OF GRADING OPERATIONS.
13. ASBESTOS AND ANY OTHER HAZARDOUS MATERIAL SHALL BE REMOVED BY THE GENERAL CONTRACTOR USING A LICENSED HAZARDOUS MATERIAL CONTRACTOR.



DEMOLITION PLAN
AutoZone
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DATE	DESCRIPTION
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DESIGN	DRAWN CHKD
SCALE	1" = 30'
JOB No.	220065-01-001
DATE	SEPT. 25, 2023
FILE No.	ASR-0057-2023
SHEET	C2.1



BUILDING FRONTAGE CALCULATION		
	REQUIREMENTS	PROVIDED
ROCK COUNTRY ROAD	PRIMARY STREET BUILD-TO = MIN. BUILD-TO LINE = S 5 FT MAX. BUILD-TO LINE = 100 FT BUILDING WIDTH REQUIRED IN BUILD-TO = 50%	STREET RIGHT-OF-WAY LENGTH = 121 LF PROPOSED BUILDING WIDTH IN 100 FT BUILD-TO = 96 LF BUILDING WIDTH % IN BUILD-TO = 79.3%

ON-SITE AREA = 67,991 SF (1.561 AC)			
BUILDINGS	6,816 SF	0.16 ACRE(S)	10.02 % OF AREA
PROPOSED PAVEMENT	16,625 SF	0.39 ACRE(S)	24.60 % OF AREA
SIDEWALK	1,767 SF	0.04 ACRE(S)	2.60 % OF AREA
TOTAL IMPERVIOUS AREA	25,508 SF	0.59 ACRE(S)	37.52 % OF AREA
GREEN/OPEN SPACE	42,483 SF	0.98 ACRE(S)	62.48 % OF AREA
EXISTING IMPERVIOUS AREA	0 SF	0.00 ACRE(S)	0.00 % OF AREA
INCREASE IN IMPERVIOUS AREA	25,508 SF	0.59 ACRE(S)	37.52 % OF AREA

PARKING CALCULATIONS		
ITEM	REQUIREMENTS	PROVIDED
BUILDING SIZE		6,816 SF
PARKING MAXIMUM	1 SPACE PER 200 SF OF GFA PLUS 1.5 SPACES FOR EVERY 600 SF OF OUTDOOR DISPLAY AREA	31 SPACES
MIN. PARKING DIMENSION	8.5 FT X 16 FT	9 FT X 16 FT
MIN. DRIVEWAY ASLE	22 FT	24 FT
HANDICAP SPACES	2 HANDICAP SPACES	2 SPACES
LOADING SPACES		1 SPACE
BICYCLE SPACES (SHORT TERM)	1 SPACE PER 5000 SF OF GFA; MIN. 4	4 SPACES

- KEYNOTES:

GENERAL NOTES:

3. THE CONTRACTOR SHALL EMPLOY ALL NECESSARY BARRIAGES, SIGNS, FLAGS, FLASHING LIGHTS, FLAMMETS, ETC. FOR MAINTENANCE AND PROTECTION OF TRAFFIC AS REQUIRED BY TOWN OF ALEX AND THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION. REQUEST THE MANUAL ON URBAN TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION, FOR DETAILS OF TRAFFIC CONTROL STANDARDS AND DEVICES.
4. THE CONTRACTOR SHALL PROTECT ALL MONUMENTS, IRON PINS, AND PROPERTY CORNERS DURING CONSTRUCTION.
5. APPROVAL OF THESE PLANS IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS.
6. COORDINATE ALL CURB AND STREET GRADES AT INTERSECTIONS WITH INSPECTOR.
7. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION "STANDARD DETAILS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND APPLICABLE TOWN OF ALEX CODES AND ORDINANCES. THE CONTRACTOR SHALL MAINTAIN A CURRENT EDITION OF THE STATE AND LOCAL CODES, ORDINANCES, STANDARD SPECIFICATION AND STANDARD DETAILS ON THE PROJECT SITE FOR REFERENCE DURING CONSTRUCTION OF THE PROJECT.
8. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS AND SHALL REPORT ANY DISCREPANCIES BETWEEN THE PLANNED AND ACTUAL FIELD CONDITIONS THE OWNER'S REPRESENTATIVE IMMEDIATELY. CONTRACTOR SHALL WAIT FOR INSTRUCTION PRIOR TO PROCEEDING WITH WORK.
9. THE CONTRACTOR SHALL PROVIDE SMOOTH TRANSITIONS FROM PROPOSED FEATURES TO EXISTING FEATURES AS NECESSARY.
10. THE CONTRACTOR SHALL SEAL THE EDGE OF EXISTING ASPHALT PAVEMENT WITH TACK COAT IN ACCORDANCE WITH THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS WHERE NEW PAVEMENT JOINS EXISTING PAVEMENT.
11. THE CONTRACTOR SHALL REPAIR, RESURFACE, RECONSTRUCT OR REFURBISH ANY AREAS DAMAGED DURING CONSTRUCTION BY THE CONTRACTOR, HIS SUBCONTRACTORS OR SUPPLIERS AT AN ADDITIONAL COST TO THE OWNER.
12. ALL PAYMENT JENTS SHALL BE SNAK-OUT PRIOR TO PAVING TO PROVIDE A DURABLE AND URBAN JOINT.
13. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF TRUCK DOCKS, EXIT DOORS, SIDEWALKS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
14. ALL PAINT STRIPING, PAVEMENT MARKINGS, AND SIGNAGE SHALL CONFORM TO THE "MANUAL ON URBAN TRAFFIC CONTROL DEVICES" OR AS OTHERWISE SPECIFIED. ALL REFERENCED SIGN STANDARDS ARE TAKEN FROM THE "MANUAL ON URBAN TRAFFIC CONTROL DEVICES". ALL NEW SIGNS SHALL BE MOUNTED ON GALVANIZED POSTS AND IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.
15. CONTRACTOR SHALL INSTALL ACCESSIBLE RAMPS PER LOCAL MANUPAITNT AND ADA STANDARDS AT ALL DRIVE AND BUILDING LOCATIONS AS REQUIRED.
16. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION, GRADING, OR CONSTRUCTION ACTIVITY THE CONTRACTOR SHALL NOTIFY THE TOWN OF ALEX PUBLIC UTILITIES DEPARTMENTS FOR PROPER IDENTIFICATION OF EXISTING UTILITIES WITHIN THE PROJECT SITE.
17. PROOF ROLL BUILDING AND ALL PARKING AREAS. NOTIFY THE ARCHITECT OF ANY UNACCEPTABLE AREAS.
18. EDGE OF NEW PAVEMENT TO BE FLUSH WITH EXISTING PAVEMENT.
19. ALL SIDEWALK CURBS AND GUTTER STREET PAVING, CURB CUTS, DRIVEWAY APPROACHES, HANDCAP RAMPS, ETC. CONSTRUCTED OUTSIDE THE PROPERTY LINE IN THE RIGHT-OF-WAY SHALL CONFORM TO ALL MUNICIPAL AND/OR STATE SPECIFICATIONS AND REQUIREMENTS.
20. FOR AREAS OUTSIDE THE PROPERTY LINES, THE REPAIR AND/OR REPLACE ALL DAMAGE DUE TO EXISTING ELEMENTS (SIDEWALKS, PAVING, LANDSCAPING, ETC.) AS REQUIRED BY OWNER AND/OR GOVERNING AUTHORITY.
21. FOR PROPOSED UTILITY LOCATIONS, SEE THE UTILITY PLAN.

CONSTRUCTION NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF PALMDALE AND/OR HOIST STANDARDS.
2. THE CONTRACTOR SHALL PROTECT THE WORK IN A SAFE MANNER AND WITH A MINIMUM AMOUNT OF INCONVENIENCE TO TRAFFIC.
3. THE CONTRACTOR SHALL MAINTAIN TRAFFIC CONTROL AND TRAFFIC CONTROL SHALL REMAIN WHERE TO THE PROVISIONS OF THE MUTCD (MOST CURRENT EDITION) PRIOR TO START OF WORK. A PRE-CONSTRUCTION MEETING MUST BE SET UP TO DISCUSS THE PROJECT AND THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE SERVICES STAFF. CONTACT ENGINEERING INSPECTIONS AT 919-996-2420 FOR SCHEDULING.
4. THE CONTRACTOR SHALL ADVANCE A RIGHT-OF-WAY OBSTRUCTION PERMIT AT LEAST 48 HOURS BEFORE THE WORK SHALL BE SUBMITTED 2 WEEKS FROM THE DATE OF THE PERMIT. STREET CLOSURES SHALL BE SUBMITTED 2 WEEKS FROM THE DATE OF THE PERMIT TO THE WORK. SEE "RIGHT-OF-WAY CLOSURES" ON THE PROJECT PLAN. THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN A PERMIT TO RIGHT-OF-WAY CLOSURES FROM www.palmdaleca.gov/development/permits/roadclosure.htm.
5. THE CONTRACTOR SHALL ADVANCE THAT IS WORKING IN THE CITY PROJECT SHALL SUBMIT AN NOTIFICATION TO THE WORKING-AREA-BEYOND OBSTRUCTION APPLICATION FOR DESIGN/MAINTENANCE WORK PRIOR TO THE START OF THE WORK.
6. PRIOR TO CONSTRUCTION BEGINNING, ALL SIGNALS AND TRAFFIC CONTROL SHALL BE IN PLACE.
7. THE CONTRACTOR SHALL REPAIR ALL DAMAGED INFRASTRUCTURE IN THE PROJECT AREA TO RESTORE TO ORIGINAL CONDITION.
8. THE CONTRACTOR SHALL REPAIR ANY DAMAGES TO ADJACENT PROPERTIES AND RESTORE TO TO PREVIOUS OR BETTER CONDITION.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO ANYONE USUALLY RAMP AND PEOPLE WITH MOBILITY DISABILITIES. PEDESTRIAN CIRCULATION SHALL BE MAINTAINED THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH THE PUBLIC WORKS OF THE CITY.
10. ACCESS TO THE PROJECT SHALL BE MAINTAINED THROUGHOUT THE PROJECT AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

TRAFFIC CONTROL NOTES:

THE DISTRICT OFFICE OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO CONSTRUCTION.

TRAFFIC MUST BE MAINTAINED AT ALL TIMES AND TRAFFIC CONTROL MUST COMPLY WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND WITH THE CURRENT EDITION OF THE NCDOT STANDARDS AND SPECIFICATIONS.

ALL LANES OF TRAFFIC ARE TO BE OPEN DURING THE HOURS OF 6:00 AM TO 9:00 AM AND FROM 4:00 PM TO 6:00 PM. A MINIMUM OF ONE 12-FOOT LANE SHALL BE MAINTAINED AT ALL TIMES.

ALL ROADWAY SIGNS WHICH ARE TO BE REMOVED DURING CONSTRUCTION ARE TO BE REINSTALLED AS SOON AS POSSIBLE.

DURING NON-WORKING HOURS, EQUIPMENT IS TO BE PARKED AS CLOSE TO THE RIGHT OF WAY LINE AS POSSIBLE AND BE PROPERLY BARRICADED IN ORDER TO PREVENT ANY EQUIPMENT OBSTRUCTION WITHIN THE TRAVEL LANE.

ALL CONTRACTORS DOING WORK WITHIN STATE RIGHT OF WAY ARE TO HAVE A COPY OF THESE PLANS ON THE JOB SITE.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WITHIN 5' OF AN OPEN TRAVEL LANE, THE CONTRACTOR SHALL CLOSE THE OPEN TRAVEL LANE ADJACENT TO THE WORK AREA USING APPROPRIATE TRAFFIC CONTROL MEANS AND METHODS UNLESS WORK IN THAT AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

THE CONTRACTOR SHALL NOT WORK SIMULTANEOUSLY ON BOTH SIDES OF AN OPEN TRAVEL WAY WITHIN THE SAME LOCATION ON A TWO-LANE, TWO-WAY ROAD.

THE MAXIMUM LENGTH OF A LANE CLOSURE ON THE PROJECT SHALL BE ONE MILE, MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.

THE CONTRACTOR SHALL BACKFILL AT 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS A DROP-OFF OF MORE THAN

3.

WHEN BACKFILL IS REQUIRED, IT SHALL BE AT NO EXPENSE TO THE OWNER.

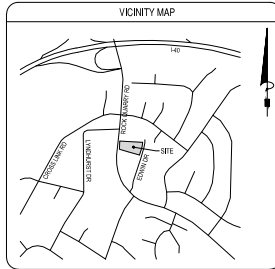
THE MAXIMUM DIFFERENCE IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC SHALL BE 2".

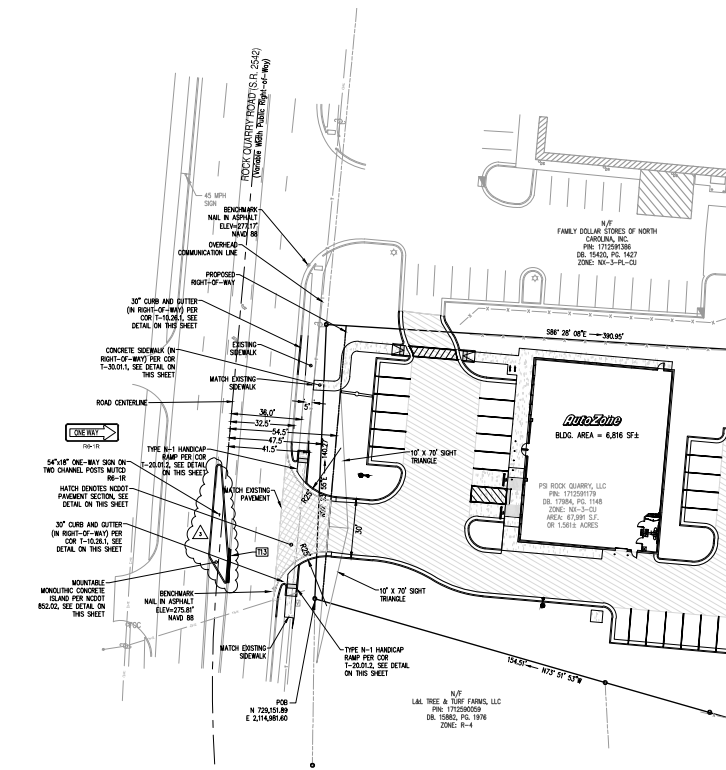
WHEN LANE CLOSURES ARE NOT IN EFFECT, CHANNELIZING DEVICES IN WORK AREAS SHALL BE SPACED NO GREATER THAN TWICE THE POSTED SPEED LIMIT, EXCEPT 10' ON-CENTER IN RADIUS, AND SHALL BE SET 3' OFF THE EDGE OF AN OPEN TRAVELWAY.

DURING INSTALLATION, PROPER TRAFFIC CONTROL DEVICES, SIGNS, ETC. BE INSTALLED TO ENSURE PUBLIC SAFETY IN ACCORDANCE WITH THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION'S

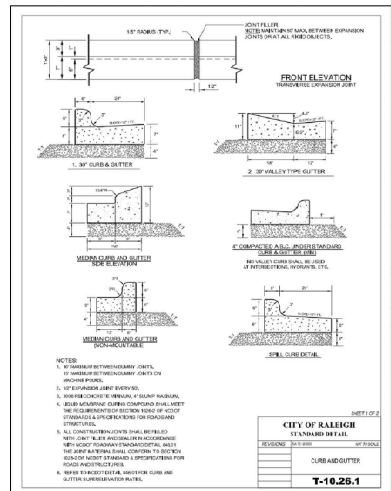
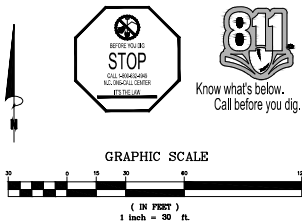
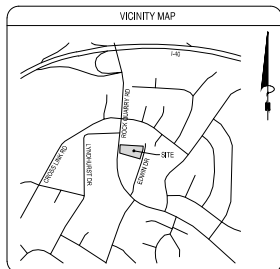
ALL DISTURBED AREAS ARE TO BE FULLY RESTORED TO MEET MINIMUM ROADWAY STANDARDS.

MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE NCDOT ROADWAY STANDARDS AND SPECIFICATIONS (LATEST EDITION).

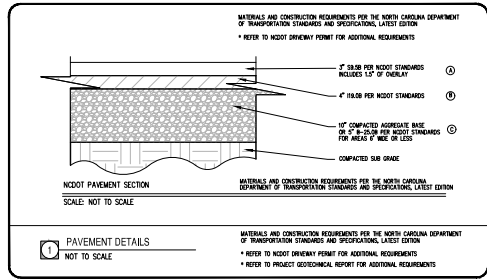
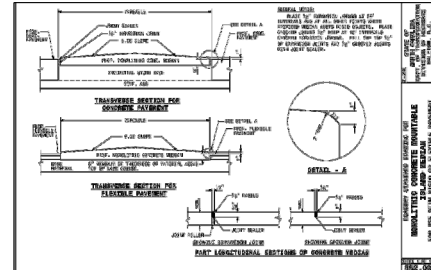
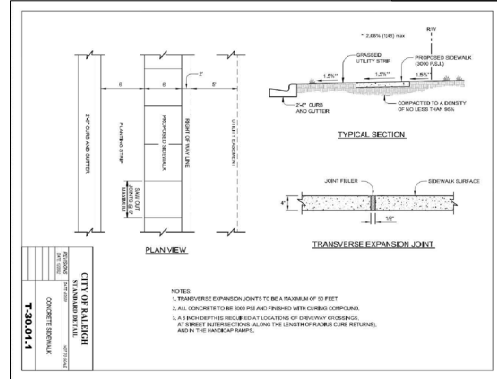
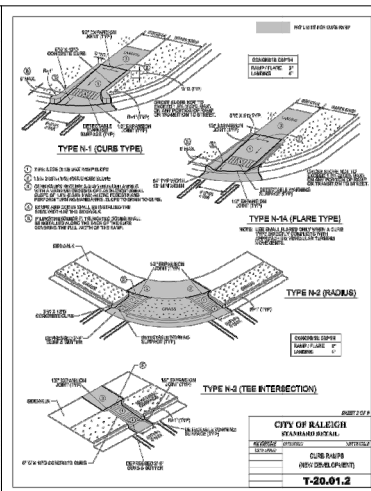




T-13 - YELLOW DOUBLE CENTER (4", 90 MI. - NC DOT STD 1205.01)
(LIGHT GRIND TO REMOVE EXISTING, CONFLICTING MARKINGS)



CITY OF RALEIGH	
REVISION	DATE
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Bowman

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Bowman North Carolina Ltd.

ROADWAY PLAN (ROCK QUARRY)

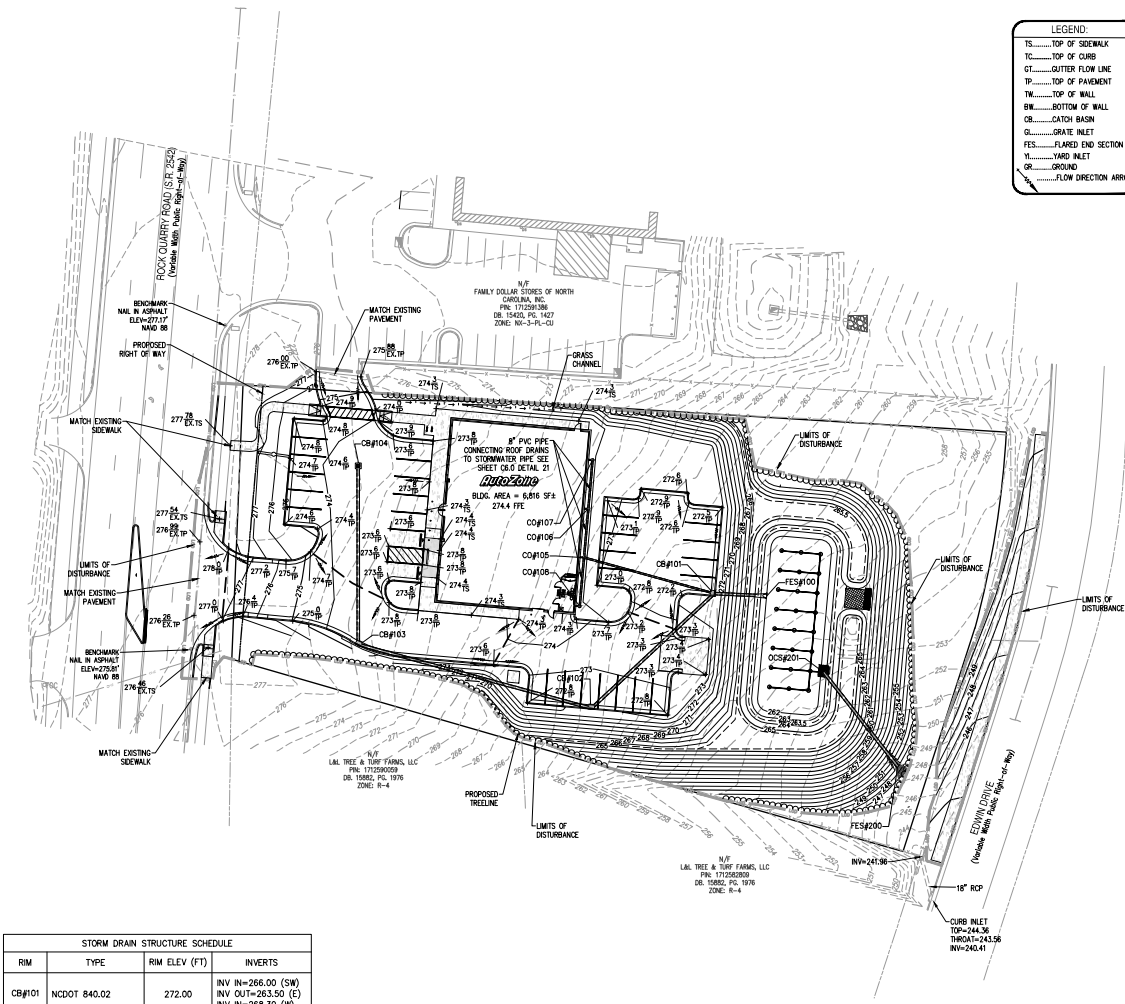
AutoZone
FILE # ASR-0057-2023
2003 ROCK QUARRY ROAD
RALEIGH, NC WAKE COUNTY

PLAN STATUS
9/25/23 ASR 1ST SUBMITTAL
12/22/23 ASR 2ND SUBMITTAL
2/15/24 ASR 3RD SUBMITTAL

DATE	DESCRIPTION
JA XXXX	XXX
DESIGN	DRAWN
SCALE	1" = 30'

JOB No. 220065-01-001
DATE SEPT. 25, 2023
FILE No. ASR-0057-2023

SHEET C3.1



EROSION CONTROL NOTES:

AN EROSION AND SEDIMENTATION CONTROL PERMIT SHALL BE REQUIRED BY CITY OF RALEIGH PRIOR TO START OF CONSTRUCTION.

SURVEY NOTE:

ALL EXISTING BOUNDARY AND TOPOGRAPHIC INFORMATION TAKEN FROM A LAND SURVEY PREPARED BY: SURVEY MATTERS.

STREAM/WETLAND NOTE:

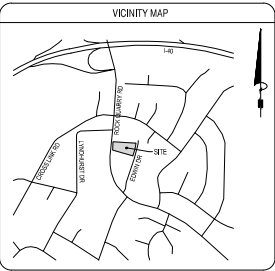
THERE ARE NO EXISTING STREAM/AND OR WETLAND FEATURES ON THE PROPOSED PARCEL.

FLOOD_ZONE NOTE:

THE PROPERTY IS LOCATED IN FLOOD_ZONE X (MINIMAL FLOOD HAZARD) AS PER FEMA FLOOD PANEL 170277J2006, DATED JULY 19, 2022. MAPS SUBJECT TO CHANGE BY FEMA.

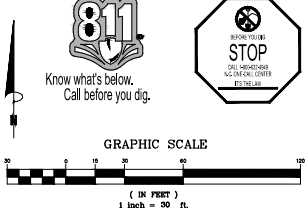
CONSTRUCTION DRAWING NOTE:

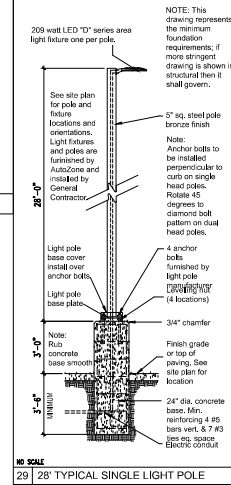
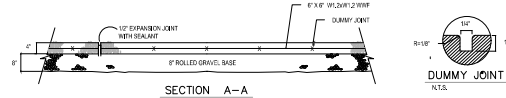
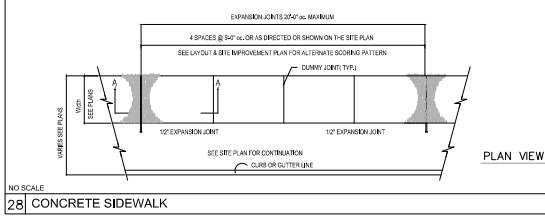
ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY OF RALEIGH AND/OR NC DOT STANDARDS AND SPECIFICATIONS.



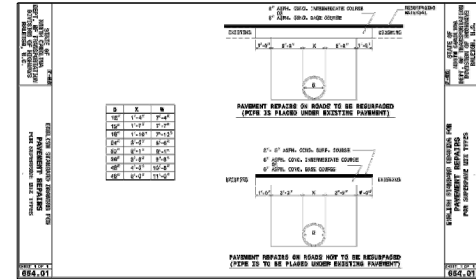
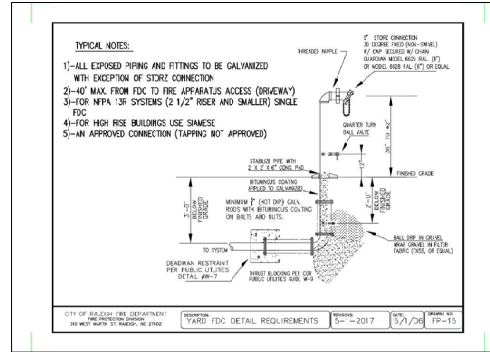
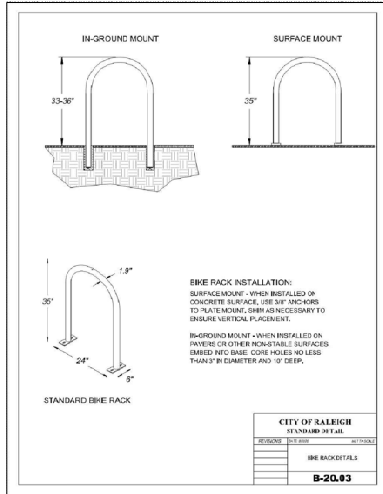
- GRADING NOTES:
1. REFER TO THE SITE PLAN FOR RELATED NOTES.
 2. ALL CONTOURS AND SPOT ELEVATIONS REFLECT FINISHED GRADES.
 3. ALL ELEVATIONS ARE IN REFERENCE TO THE BENCHMARK, AND THIS MUST BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO GRADING BEARING.
 4. THE CONTRACTOR SHALL IMMEDIATELY REPORT TO OWNER ANY DISCREPANCIES FOUND BETWEEN ACTUAL FIELD CONDITIONS AND CONSTRUCTION DOCUMENTS AND SHALL WAIT FOR INSTRUCTION PRIOR TO PROCEEDING.
 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING EXISTING UTILITIES, AND SHALL REPAIR ALL DAMAGE TO EXISTING UTILITIES THAT OCCUR DURING CONSTRUCTION.
 6. THE CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY TO TRANSITION BACK TO EXISTING GRADE.
 7. LIMITS OF CLEARING SHOWN ON GRADING PLAN ARE BASED UPON THE APPROXIMATE CUT AND FILL SLOPE LIMITS, OR OTHER GRADING REQUIREMENTS.
 8. THE PROPOSED CONTOURS SHOWN IN DRIVES AND PARKING LOTS AND SIDEWALKS ARE FINISHED ELEVATIONS INCLUDING ASPHALT. REFER TO PAVEMENT CROSS SECTION DATA TO ESTABLISH CORRECT SURFACE OR AGGREGATE BASE COURSE ELEVATIONS TO BE COMPLETED UNDER THIS CONTRACT.
 9. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE SO THAT RUNOFF WILL DRAIN BY GRAVITY FLOW ACROSS NEW PAVEMENT AREAS TO NEW OR EXISTING DRAINAGE INLETS OR STREET OVERLAND.
 10. ANY GRADING, BEYOND THE LIMITS OF CONSTRUCTION AS SHOWN ON THE GRADING PLAN, IS SUBJECT TO A FINE.
 11. GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS SUBJECT TO A FINE.
 12. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE. EROSION CONTROL ON DENuded AREAS AND ESPECIALLY WHEN THE CONSTRUCTION SEQUENCE REQUIRES IT.
 13. ALL GRADED SLOPES ARE TO BE SEED OR LANDSCAPED WITHIN 15 DAYS OF COMPLETION OF GRADING. ALL REMAINING AREAS ARE TO BE SEED WITHIN 30 DAYS.
 14. EXISTING GRADES, CONTOURS, UTILITIES AND OTHER EXISTING FEATURES FROM FIELD RUN SURVEY.
 15. THE CONTRACTOR SHALL INCLUDE IN THE CONTRACT PRICE ANY DEMOLITION NECESSARY TO CONSTRUCT THE PROJECT AS SHOWN ON THE PLANS.
 16. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL SHEETING, SHORING, BRACING AND SPECIAL EXCAVATION MEASURES REQUIRED TO MEET COAL, FEDERAL, STATE, AND LOCAL REGULATIONS PURSUANT TO THE INSTALLATION OF THE WORK INDICATED ON THESE DRAWINGS. THE DESIGN ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE DESIGN(S) TO INSTALL SAID ITEMS.
 17. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATION, ELEVATION, AND DIMENSIONS OF EXIST DOORS, RAMPS, BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
 18. ALL FILL MATERIALS, EXISTING BUILDING FOUNDATIONS, PAVEMENT AND UTILITY STRUCTURES, TOPSOIL, AND ANY OTHER SUPERSTURCTURES SHALL BE COMPLETELY REMOVED FROM WITHIN THE BEARING ZONE BELOW THE STRUCTURE.
 19. ALL FOUNDATION EXCAVATION SHALL BE INSPECTED BY A QUALIFIED GEOTECHNICAL REPRESENTATIVE TO DETERMINE WHETHER UNSUITABLE MATERIAL MUST BE REMOVED. ALL UNSUITABLE MATERIAL SHALL BE REMOVED, BACKFILLED AND COMPACTED AS REQUIRED BY THE GEOTECHNICAL REPRESENTATIVE.
 20. ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED OR DEPICTED.
 21. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.S PERMITS FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
 22. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ACQUIRE A SMOOTH FIT AND CONTINUOUS GRADE.
 23. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
 24. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3:1 OR STEEPER.
 25. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.

- DRAINAGE NOTES:
1. ALL DRAINAGE STRUCTURES SHALL BE PRE-CAST.
 2. ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND BE INSTALLED ACCORDINGLY.
 3. CATCH BASINS, MANHOLES, FRAMES, GRATES, ETC. SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD DETAILS AND SPECIFICATIONS.
 4. STORM PIPE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
TYPE 1: ROP, CLASS II PER ASTM C-76, WITH FLEXIBLE PLASTIC BITUMEN GASKETS AT JOINTS.
TYPE 2: HIGH DENSITY POLYETHYLENE PIPE (HDPE) - ASHOTO DESIGNATION M252 TYPE S, M254 TYPE S AND M27-97 TYPE S, SMOOTH INTERIOR/ANNUAL EXTERIOR, ONLY PERMITTED WHEN SPECIFICALLY INDICATED ON THE CONSTRUCTION DRAWINGS. PIPE SHALL BE INSTALLED IN ACCORDANCE WITH PIPE MANUFACTURER'S INSTALLATION GUIDELINES. PIPE JOINTS AND FITTINGS SHALL CONFORM TO ASHOTO M252 AND M254.
TYPE 3: ROP, CLASS IV PER ASTM C-76, WITH FLEXIBLE PLASTIC BITUMEN GASKETS AT JOINTS.
5. ALL STORM DRAINAGE WITHIN THE PUBLIC RIGHT-OF-WAY OR PUBLIC EASEMENTS SHALL BE CLASS II REINFORCED CONCRETE PIPE PER ASTM C-76, WITH FLEXIBLE PLASTIC BITUMEN GASKETS AT JOINTS.
6. A MINIMUM GRADE OF 0.50% SHALL BE MAINTAINED ON ALL PIPES, UNLESS OTHERWISE NOTED.
7. ALL PIPE LENGTHS AND SLOPES ARE APPROXIMATE.
8. ALL PIPES SHALL BE Laid ON STRAIGHT ALIGNMENTS AND EVEN GRADES USING A PIPE LASED OR OTHER ACCURATE METHOD.
9. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
10. UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:
NO MORE THAN 500 LF OF TRENCH MAY BE OPENED AT ONE TIME.
EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
EFFLUENT FROM DRAINAGE OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.
DESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL REGULATIONS.
APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.
11. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
12. ALL STORM PIPES ENTERING STRUCTURES SHALL BE GROUTED OR SEALED TO MANUFACTURER'S SPECIFICATIONS TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
13. ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.
14. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RINGS & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
15. STRUCTURE TOP ELEVATIONS SHOWN HERE ARE APPROXIMATE. CONTRACTOR SHALL ADJUST AS NECESSARY.
16. RIM ELEVATIONS AS NOTED ARE TO THE GUTTER FLOW LINE.





28' TYPICAL SINGLE LIGHT POLE



Bowman

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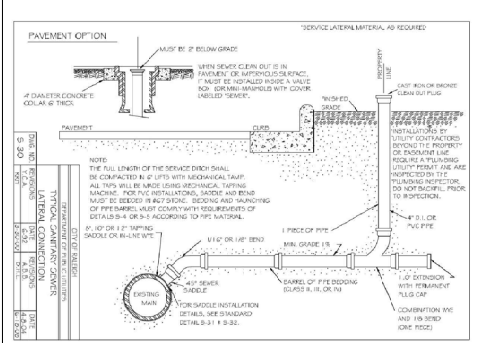
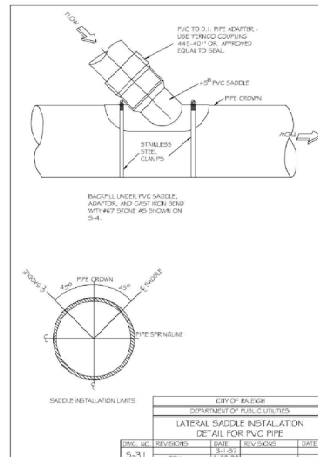
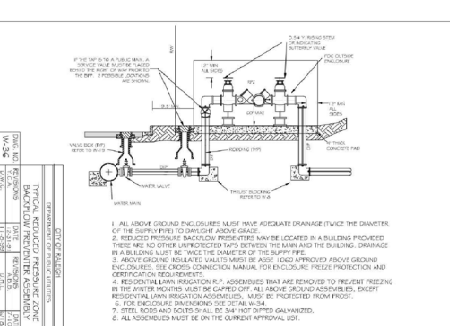
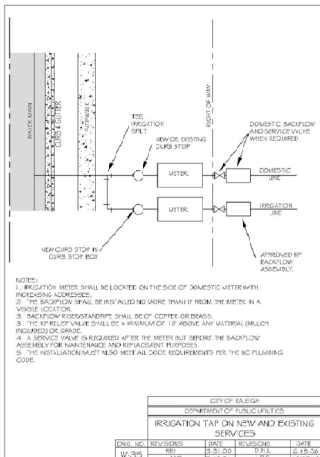
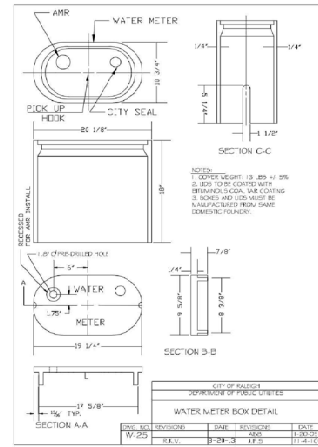
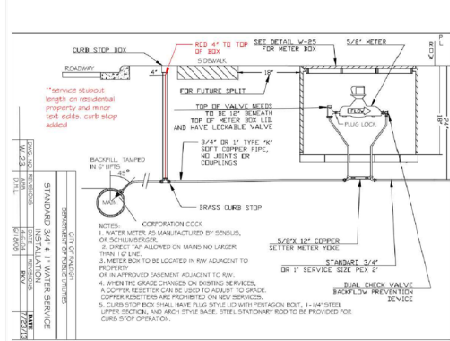
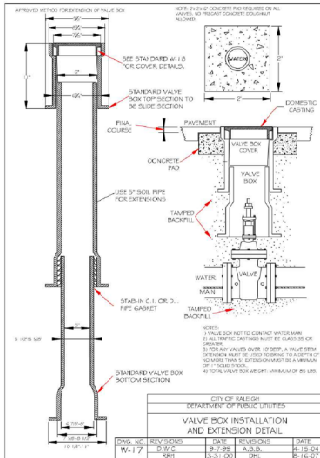
CONSTRUCTION DETAILS
AutoZone
FILE # ASR-0057-2023
2003 ROCK QUARRY ROAD
RALEIGH, NC WAKE COUNTY

PLAN STATUS
9/25/23 ASR 1ST SUBMITTAL
12/22/23 ASR 2ND SUBMITTAL
9/15/24 ASR 3RD SUBMITTAL

DATE	DESCRIPTION
JA XXXX	XXX
DESIGN	DRAWN
SCALE	CHKD

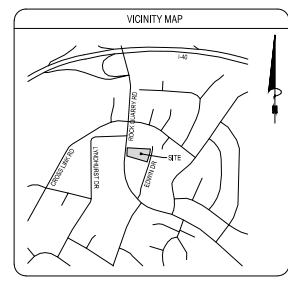
JOB No. 220065-01-001
DATE SEPT. 25, 2023
FILE No. ASR-0057-2023






SHEET C6.1

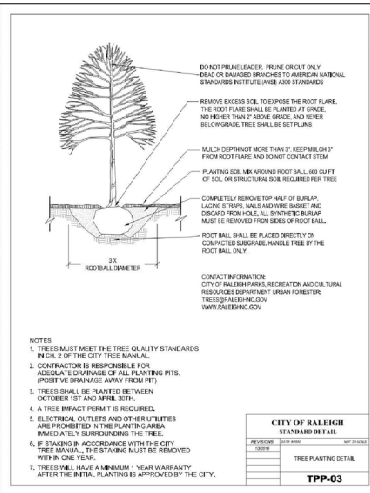
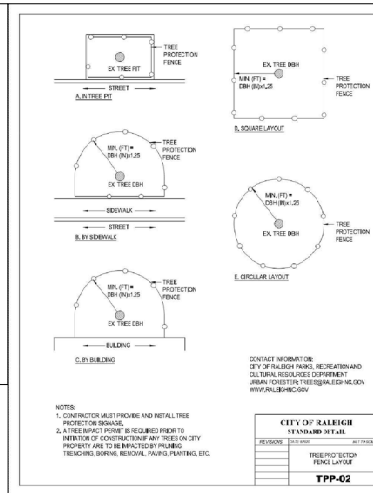
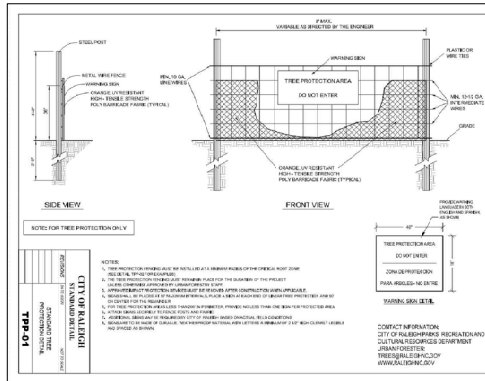


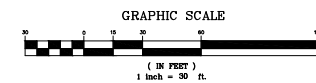
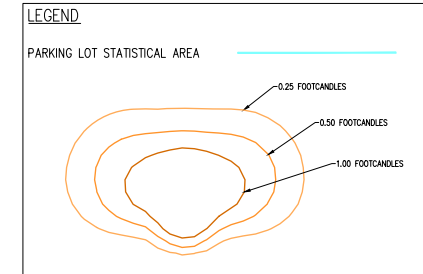
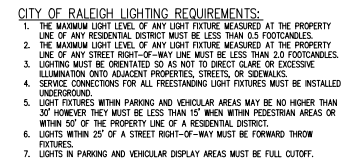


1 STORMWATER MANAGEMENT SYSTEM DETAILS
NOT TO SCALE



MASTER PLANT LIST											
TYPE	SYM/KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SYMBOL	CALIPER	HEIGHT	SPREAD	ROOT	SPACING	OTHER
SHADE TREES	UA	7	<i>Ulmus americana</i>	American Elm		3"	40'-60'	30'-40'	BAB	AS SHOWN	
	JV	18	<i>Juniperus virginiana</i>	Eastern Red Cedar		3"	40'-50'	30'-40'	BAB	AS SHOWN	
UNDERSTORY TREES	OC	9	<i>Cercis canadensis</i>	Eastern Redbud		1.5"	15'-35'	6'-10'	BAB	AS SHOWN	
	IC	76	<i>Ilex crenata</i> "Chesapeake"	Chesapeake Japanese Holly		-	2'-3'	3'	AS SHOWN		
SHRUBS	BN	44	<i>Bux. Xomuse</i> "Burford Nano"	Burford Holly		-	2'-3'	3'	AS SHOWN		





Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Site Area	Illuminance	Fc	0.60	18.0	0.0	N.A.	N.A.
Parking	Illuminance	Fc	1.35	2.7	0.3	4.50	9.00



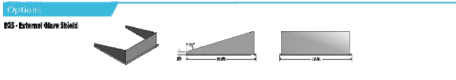
Specifications
SKU: DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD
Length: 12" (305mm)
Width: 2" (51mm)
Height: 1.5" (38mm)
Weight: 0.5 lb (0.23 kg)

Introduction
The modern way of the D-Series is ending yet unobtainable - making a bold, progressive statement even as it silently advances with its evolution. The D-Series defines the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in states with excellent uniformity, greater pole spacing and lower power density. It is ideal for reaching up to 7500' metal halide in pedestrian and area lighting applications with spot energy savings of 65% and expected service life of over 100,000 hours.

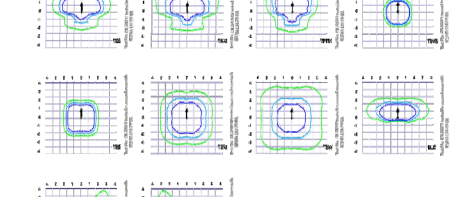
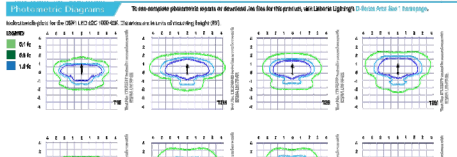
EXAMPLE: DSK1 LED P7 40K TM MVOLT SPA NATURAL PRN-N DBDD									
Size	Power	Temp	Temp	Temp	Temp	Temp	Temp	Temp	Temp
Size	Power	Temp	Temp	Temp	Temp	Temp	Temp	Temp	Temp
Size	Power	Temp	Temp	Temp	Temp	Temp	Temp	Temp	Temp
Size	Power	Temp	Temp	Temp	Temp	Temp	Temp	Temp	Temp
Size	Power	Temp	Temp	Temp	Temp	Temp	Temp	Temp	Temp
Size	Power	Temp	Temp	Temp	Temp	Temp	Temp	Temp	Temp
Size	Power	Temp	Temp	Temp	Temp	Temp	Temp	Temp	Temp
Size	Power	Temp	Temp	Temp	Temp	Temp	Temp	Temp	Temp
Size	Power	Temp	Temp	Temp	Temp	Temp	Temp	Temp	Temp
Size	Power	Temp	Temp	Temp	Temp	Temp	Temp	Temp	Temp

Accessories	
DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD	DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD
DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD	DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD
DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD	DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD
DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD	DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD
DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD	DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD
DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD	DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD
DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD	DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD
DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD	DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD
DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD	DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD



DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD	
DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD	DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD
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DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD	DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD
DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD	DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD
DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD	DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD
DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD	DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD
DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD	DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD
DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD	DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD

DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD	
DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD	DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD
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DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD	DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD
DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD	DSK1-LED-P8-40K-TM-MVOLT-SPA-HS-DBDD



Lumen Ambient Temperature (LAT) Multiplier	
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power

Projected LED Lumen Maintenance	
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power

Electrical Load	
Size	Power
Size	Power
Size	Power
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Size	Power
Size	Power

Lumen Output	
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power

Lumen Output	
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power
Size	Power

FEATURES & SPECIFICATIONS	
INTRODUCTION	INTRODUCTION
INTRODUCTION	INTRODUCTION
INTRODUCTION	INTRODUCTION
INTRODUCTION	INTRODUCTION
INTRODUCTION	INTRODUCTION
INTRODUCTION	INTRODUCTION
INTRODUCTION	INTRODUCTION
INTRODUCTION	INTRODUCTION
INTRODUCTION	INTRODUCTION
INTRODUCTION	INTRODUCTION



Bowman North Carolina Ltd.
4008 BARRETT DR
RALEIGH, NC 27609
Phone: (919) 853-6570
bowman.com
Bowman North Carolina Ltd.

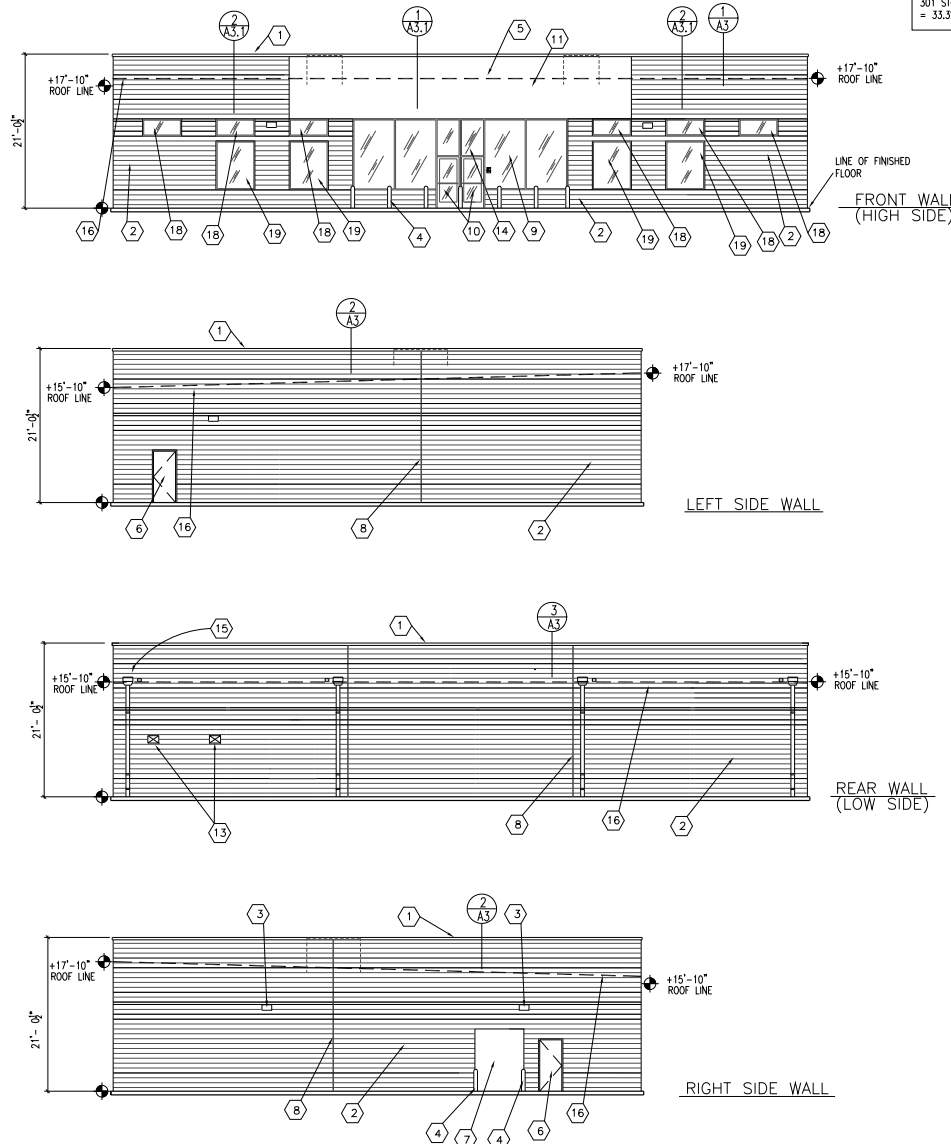
LIGHTING DETAILS
AutoZone
FILE # ASR-0057-2023
2003 ROCK QUARRY ROAD
RALEIGH, NC
WAKE COUNTY

PLAN STATUS	
9/25/23	ASR 1ST SUBMITTAL
12/22/23	ASR 2ND SUBMITTAL
7/15/24	ASR 3RD SUBMITTAL

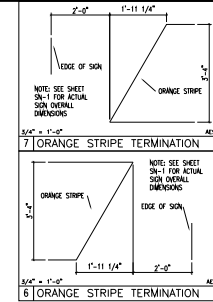
DATE	DESCRIPTION
JA	XXX XXX
DESIGN	DRAWN
SCALE	1" = 30'

JOB No. 220065-01-001
DATE SEPT. 25, 2023
FILE No. ASR-0057-2023

SHEET 8.2



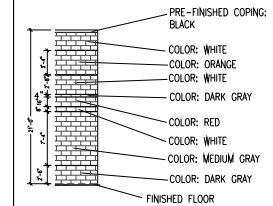
FACADE AREA - 1136 TOTAL TO 12'
78 CLERESTORY WINDOWS
301 STOREFRONT AND DOORS
= 33.3% TRANSPARENCY



- 1 TWO PIECE COMPRESSION TRIM SEE DETAIL 4/A6
- 2 SMOOTH FACE CONCRETE MASONRY UNITS SEE PANT DETAIL SCHEME THIS SHEET
- 3 WALL MOUNTED LIGHT FIXTURE
- 4 PIPE GUARD WITH RED SLEEVE
- 5 MFG. WHITE EXTERIOR INSULATED FINISH - PAINT WHITE
- 6 PAINT MAIN DOOR RED & METAL FRAMES BLACK
- 7 DO NOT PAINT OVERHEAD DOOR PAINT ANGLES BLACK
- 8 EXPANSION JOINT
- 9 ALUMINUM STOREFRONT - RED KYNAR FINISH
- 10 GLASS AND ALUMINUM DOORS - CLEAR ANODIZED FINISH
- 11 FRONT WALL SIGN - TO BE REVIEWED UNDER SEPARATE PERMIT
- 12 RIGHT SIDE WALL SIGN - NOT USED
- 13 TOILET WALL VENTS PAINT TO MATCH WALL
- 14 STORE ADDRESS - 6" WHITE REFLECTIVE NUMBERS
- 15 SCUPPERS AND DOWNSPOUTS, PAINTED TO MATCH BACKGROUND WALL COLOR, ADJACENT 4" H. X 6" W. OVERFLOW SCUPPER, FLOWLINE 2" ABOVE ROOF. ROOF LINE SEE STRUCTURAL DRAWINGS FOR DETAILS
- 16 LEFT SIDE WALL SIGN - NOT USED
- 17 CLERESTORY WINDOW - EVERGREEN GLASS
- 18 FAUX WINDOW - OPAQUE BLACK GLASS

2 ELEVATION KEY NOTES

NOTE: CENTER ALL WALL SIGNAGE VERTICALLY ON THE PAINTED ORANGE STRIPE OR BETWEEN THE TOP TWO BRICK SOLDIER COURSES. PAINT ORANGE STRIPE TO WITHIN 2' OF WALL SIGN. DO NOT PAINT ORANGE STRIPE BEHIND SIGN.



3 EXTERIOR WALL COLOR SCHEME

- GENERAL NOTES:
1. REFER TO SECTION 09900 OF THE SPECIFICATIONS FOR PAINT AND EXTERIOR COATINGS. ALL COLORS ARE BY SHERWIN-WILLIAMS PAINT COMPANY.
 2. PAINT RESTROOM WALL VENTS TO MATCH THE ADJACENT WALL COLOR.
 3. SEALANT AT EXPANSION JOINTS TO MATCH ADJACENT WALL COLOR.
 4. ALL MASONRY JOINTS TO BE CONCAVE TOOLLED.

4 GENERAL NOTES

- SIGNAGE NOTES:
1. AUTOZONE'S SIGN VENDOR WILL FURNISH AND INSTALL ALL SIGNS UNLESS OTHERWISE SPECIFICALLY NOTED ON THE DRAWINGS. WALL SIGNS TO BE INSTALLED ON SURFACES THAT ARE FURNISHED AND PREPARED BY GENERAL CONTRACTOR.
 2. SIGN INSTALLER SHALL OBTAIN SIGN PERMITS AND INSTALL ALL FREESTANDING SIGNS AND THEIR FOUNDATIONS UNLESS NOTED OTHERWISE. GENERAL CONTRACTOR SHALL INSURE SIGN LOCATION IS TO GRADE AND SHALL MARK WHERE SIGN IS TO BE LOCATED.
 3. GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF PRIMARY ELECTRICAL, AND FINAL ELECTRICAL HOOK-UP. SEE "SN" SHEETS FOR ADDITIONAL INFORMATION.
 4. SEE SHEET E3 FOR LOCATIONS OF J-BOXES TERMINATING EACH WALL SIGN CIRCUIT.

J.B.H. = JOIST BEARING HEIGHT

5 SIGNAGE NOTES - BUILDING

REVISIONS					
1	REV1	4	REV4	5	REV5
2	REV2	5	REV5	6	REV6
3	REV3	6	REV6		

AutoZone Store No. 5783	NC 27610
2003 ROCK QUARRY ROAD	RALEIGH
EXTERIOR ELEVATIONS AND NOTES	

09/05/23
65W2-R
A-2