



Administrative Site Review Application

Planning and Development Customer Service Center • One Exchange Plaza, Suite 400 | Raleigh, NC 27601 | 919-996-2500

This form is required when submitting site plans as referenced in Unified Development Ordinance (UDO) Section 10.2.8. Please check the appropriate building types and include the plan checklist document when submitting.

Office Use Only: Case #: _____ Planner (print): _____

Please review UDO Section 10.2.8. to determine the site plan tier. If assistance determining a Site Plan Tier is needed a Site Plan Tier Verification request can be submitted online via the [Permit and Development Portal](#). (Note: There is a fee for this verification service.)

Site Plan Tier: Tier Two Site Plan Tier Three Site Plan

Building and Development Type (Check all that apply)		Site Transaction History
<input type="checkbox"/> Detached	<input type="checkbox"/> General	Subdivision case #: _____
<input checked="" type="checkbox"/> Attached	<input checked="" type="checkbox"/> Mixed use	Scoping/sketch plan case #: _____
<input type="checkbox"/> Townhouse	<input type="checkbox"/> Civic	Certificate of Appropriateness #: _____
<input type="checkbox"/> Apartment	<input type="checkbox"/> Cottage Court	Board of Adjustment #: _____
<input type="checkbox"/> Tiny house	<input type="checkbox"/> Frequent Transit Development Option	Zoning Case #: <u>Z-27B-2014</u>
<input type="checkbox"/> Open lot		Design Alternate #: _____

GENERAL INFORMATION

Development name: GoRaleigh Operations and Maintenance Facility (Poole Rd) Expansion

Inside City limits? Yes No

Property address(es): 4104 Poole Road, Raleigh, NC 27610

Site P.I.N.(s): 1723847317

Please describe the scope of work. Include any additions, expansions, and uses (UDO 6.1.4).
Expansion of GoRaleigh's Poole Road Operations & Maintenance Facility to include an additional 11,241 sf of administrative office space and an additional 8,412 sf of maintenance space including 3 maintenance bays.

Current Property Owner(s): City of Raleigh/ Richard L. Kelly, PE, Director of Engineering Services

Company: Engineering Services Title: Director

Address: PO Box 590, Raleigh, NC 27602-0590

Phone #: 919-996-5579 Email: richard.kelly@raleighnc.gov

Applicant Name (If different from owner. See "who can apply" in instructions): Morven MacLean- WSP, Alex Shapiro- COR

Relationship to owner: Lessee or contract purchaser Owner's authorized agent Easement holder

Company: WSP USA Address: 434 Fayetteville Street, Suite 1500, Raleigh, NC 27601

Phone #: 919. 836. 4040	Email: morven.maclean@wsp.com; alexander.shapiro@raleighnc.gov
NOTE: please attach purchase agreement or contract, lease or easement when submitting this form.	
Developer Contact:	
Company:	Title:
Address:	
Phone #:	Email:
Applicant Name:	
Company:	Address:
Phone #:	Email:

DEVELOPMENT TYPE + SITE DATE TABLE (Applicable to all developments)	
SITE DATA	BUILDING DATA
Zoning district(s) (please provide the acreage of each): IX-3 (22.87)	Existing gross floor area (not to be demolished): 82,937
Gross site acreage: 22.87	Existing gross floor area to be demolished: 293
# of parking spaces proposed: 0	New gross floor area: 19,653
Max # parking permitted (7.1.2.C): No maximum	Total sf gross (to remain and new): 102,590
Overlay District (if applicable): N/A	Proposed # of buildings: 2
Existing use (UDO 6.1.4): Vehicle Repair (Commercial); Office	Proposed # of stories for each: 3 (Admin) - 1 (Maintenance)
Proposed use (UDO 6.1.4): Vehicle Repair (Commercial); Office	Proposed # of basement levels (UDO 1.5.7.A.6)

STORMWATER INFORMATION	
Imperious Area on Parcel(s): Existing (sf) <u>625,611</u> Proposed total (sf) <u>4,570</u>	Impervious Area for Compliance (includes ROW): Existing (sf) - _____ Proposed total (sf) - _____

RESIDENTIAL & OVERNIGHT LODGING DEVELOPMENTS	
Total # of dwelling units:	Total # of hotel bedrooms:
# of bedroom units: 1br _____ 2br _____ 3br _____ 4br or more _____	
# of lots:	Is your project a cottage court? <input type="radio"/> Yes <input type="radio"/> No
	A frequent transit development? <input type="radio"/> Yes <input type="radio"/> No

Continue to Applicant Signature Block on Page 4.

APPLICANT SIGNATURE BLOCK

Pursuant to state law (N.C. Gen. Stat. § 160D-403(a)), 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 easement holder may also apply for development approval for such development as is authorized by the easement.

Acting as an authorized agent requires written permission from the property owner for the purposes of making this development approval and/or permit application. Written permission from the property owner to act as an authorized agent must be made available to the City of Raleigh upon request.

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.G.S. 160D-403(a)) 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 development approvals are subject to revocation for false statements or misrepresentations made in securing the development approval, pursuant to N.C. Gen. Stat. § 160D-403(f).

The undersigned indicates that the property owner(s) is aware of this application and that the proposed project described in this application will be maintained in all respects in accordance with the plans and specifications submitted herewith, and in accordance with the provisions and regulations of the City of Raleigh Unified Development Ordinance.

The undersigned hereby acknowledges that, pursuant to state law (N.C.G.S. 143-755(b1)), if this permit application is placed on hold at the request of the applicant for a period of six 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 six consecutive months or more, then the application review is discontinued, and a new application is required to proceed and the development regulations in effect at the time permit processing is resumed shall apply to the new application.

Signature:

Morven MacLean

Date: 11/1/2024

Printed Name: Morven MacLean, Vice President, WSP USA Inc.

Signature:

Date:

Printed Name:

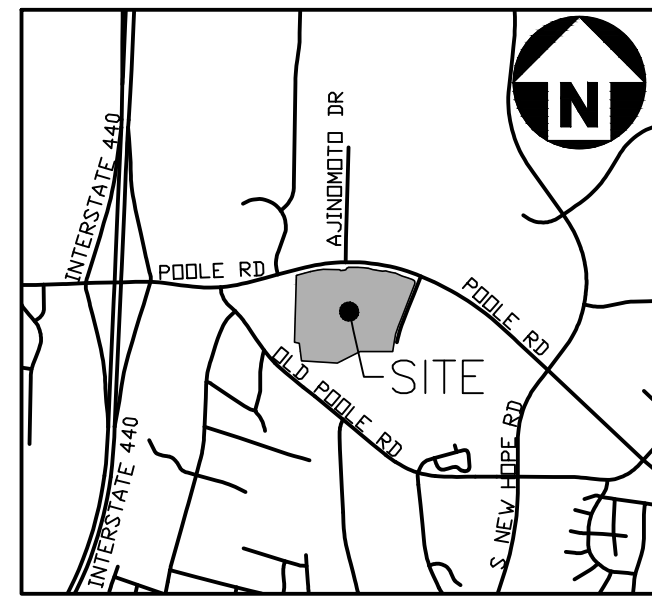


PRIME CONSULTANT: WSP USA Suite 1500 434 Fayetteville Street Raleigh, NC 27604 Tel: +1 919 836 4040 wsp.com

SUBCONSULTANT: The John R. McAdams Company, Inc. 621 Hillsborough St Suite 500 Raleigh, NC 27603 phone 919 833 4300 fax 919 363 2369 license number: C-0293, C-187 www.mcadamsco.com

Table with 3 columns: REV, DESCRIPTION, DATE

GORALEIGH OPERATIONS AND MAINTENANCE FACILITY (POOLE ROAD) EXPANSION



VICINITY MAP 1" = 2000'

SITE DATA table with columns for various site characteristics like Parcel PIN Number, Existing Zoning, Project Area, etc.

4104 POOLE ROAD RALEIGH, NC 27610

ADMINISTRATIVE SITE REVIEW CITY OF RALEIGH ASR CASE #: ASR-XXXX-XXXX PROJECT NUMBER: WSP24001 DATE: NOVEMBER 1, 2024

SHEET INDEX

Table listing sheet numbers and descriptions: C0.00 COVER SHEET, C0.01 PROJECT NOTES, etc.

ADDITIONAL SHEETS FROM OTHERS

Table listing sheet numbers and descriptions from other projects: ES101 SITE LIGHTING PLAN, L1.00 OVERALL SITE PLAN, etc.

ZONING NOTES: DEVELOPMENT AND DESIGN SHALL BE IN ACCORDANCE WITH THE CONDITIONS LISTED IN THE CITY OF RALEIGH APPROVED ORDINANCE REZONING CONDITIONS LISTED IN THE APPROVED ORDINANCE ADOPTED BY COUNCIL NOVEMBER 17, 2015. REZONING CASE #Z-27(B)-14.

GENERAL NOTES: BLOCK PERIMETER: PER UDO SECTION 8.3.2.A.1.B. IX: THE BLOCK PERIMETER MAXIMUMS SHALL NOT BE REQUIRED WHEN THE FOLLOWING CONDITIONS ARE MET: THE PROPERTY TO BE DEVELOPED OR THE ADJACENT PROPERTY TO WHICH ANY NEW STREET OR STUB STREET TO BE CONTINUED CONTAINS ONE OR MORE OF THE FOLLOWING LAND-USES: HISTORIC LANDMARK, CEMETERY, LANDFILL, HOSPITAL, SCHOOL (PUBLIC OR PRIVATE (K-12)), COLLEGE, COMMUNITY COLLEGE, UNIVERSITY, PLACES OF WORSHIP, POLICE STATION, FIRE STATION, EMS STATION, PRISON OR ANY RESIDENTIAL USE IN AN ATTACHED, TINY HOUSE, OR DETACHED BUILDING TYPE ON LOTS NO LARGER THAN 2 ACRES. SINCE THE ADJACENT PROPERTIES WHERE A STREET OR STUB WOULD CONNECT TO ARE PART OF THE NORTH CAROLINA STATE UNIVERSITY VETERINARY SCHOOL CAMPUS, THIS PROPERTY WOULD BE EXEMPT FROM THE REQUIREMENTS.

ATTENTION CONTRACTORS: The Construction Contractor responsible for the extension of water, sewer, and/or reuse, 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 Ene and Possible Exclusion from future work in the City of Raleigh.



Know what's below. Call before you dig.

CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) 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.

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

BUY AMERICA PROGRAM REQUIREMENTS

ALL PRODUCTS PROVIDED ON THIS PROJECT MUST BE MANUFACTURED IN COMPLIANCE WITH THE BUY AMERICA PROGRAM FOR FEDERALLY FUNDED TRANSPORTATION PROJECTS PER CODE OF FEDERAL REGULATIONS 49 CFR 661. THESE REQUIREMENTS ARE DISTINCT AND DIFFERENT FROM THOSE OF THE BUY AMERICAN ACT OF 1933.

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

GORALEIGH OPERATIONS AND MAINTENANCE FACILITY (POOLE ROAD) EXPANSION 4104 POOLE ROAD RALEIGH, NC 27610 CITY OF RALEIGH, NORTH CAROLINA

PROFESSIONAL SEAL

SHEET NAME COVER SHEET

DESIGNED BY: SJC DRAWN BY: WHM CHECKED BY: LAW DATE: 11.01.2024 SCALE: NTS

FULL SCALE SHEET SIZE= ANSI-D (22x34)

SHEET NUMBER C0.00

Vertical text on the left edge: X:\Projects\WSP\WSP24001\04-Production\Engineering\Construction\Drawings\01-ASR Set\WSP24001-C01.dwg - 11/7/2024 3:20:47 PM, Whiston McClinton



Administrative Site Review

Submittal Instructions: Site plan applications fall under one of the three sets. The fee category indicates which Unified Development Ordinance (UDO) provisions are applicable in the review and approval of a site plan application. Administrative Site Review (ASR) review process for site plans that qualify as either a Tier Two or Tier Three Site Plan as specified in UDO Section 10.2.8.

Administrative Site Review Application

Administrative Site Review Application form with sections for Building and Development Type, Site Transaction History, General Information, and Stormwater Information.

Contact information and developer details: Phone # 919.836.4040, Email: roland.mcclellan@wsp.com, Developer Contact: WSP USA, etc.

DEVELOPMENT TYPE + SITE DATA table with columns for SITE DATA and BUILDING DATA.

STORMWATER INFORMATION table with columns for Impervious Area on Parcel(s), Includes ROW(s), Existing (sf), Proposed total (sf), etc.

RESIDENTIAL OVERNIGHT LODGING DEVELOPMENTS table with columns for Total # of dwelling units, # of bedroom units, etc.

Continue to Applicant Signature Block on Page 4.

APPLICANT SIGNATURE BLOCK: Pursuant to state law (N.C. Gen. Stat. § 160A-202(a)), application for development approval 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 such development as is authorized by the assessment.

Revision 09.01.24 raleighnc.gov

Revision 09.01.24 raleighnc.gov

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. PRIOR TO START OF WORK, A PRE CONSTRUCTION MEETING MUST BE SETUP WITH THE CONTRACTOR AND THE CITY OF RALEIGH TRANSPORTATION FIELD SERVICES STAFF. CONTACT ENGINEERING INSPECTIONS AT 919-996-2409 TO SET UP THE MEETING.
- 4. THE CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY OBSTRUCTION PERMIT FOR ANY WORK WHICH REQUIRES THE TEMPORARY CLOSURE OF A STREET, TRAVEL LANE, PARKING SPACE OR SIDEWALK FROM RIGHT-OF-WAY SERVICES AT LEAST 48 HOURS IN ADVANCE.
- 5. A TEMPORARY STREET CLOSURE REQUEST MUST BE SUBMITTED AT LEAST A MINIMUM OF TWO WEEKS PRIOR TO THE START OF WORK. SEE "RIGHT-OF-WAY CLOSURES" ON WWW.RALEIGHNC.GOV. SEND THE RIGHT-OF-WAY OBSTRUCTION PERMIT REQUEST TO RIGHTOFWAYSERVICES@RALEIGHNC.GOV.
- 6. THE CONTRACTOR SHALL HAVE A COMPLETE SET OF 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 CONDITION OR BETTER.
- 8. SIDEWALKS MUST BE ACCESSIBLE TO PERSONS WHO ARE VISUALLY IMPAIRED 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).

PAVEMENT MARKING NOTES

- 1. ALL PAVEMENT MARKINGS SHOWN IN THESE PLANS FOR CITY OF RALEIGH MAINTAINED STREETS ARE SUBJECT TO FINAL APPROVAL FROM PUBLIC WORKS TRANSPORTATION OPERATIONS DIVISION. CONTRACTOR SHALL CONTACT TRANSPORTATION OPERATIONS AT 919-996-3030 FOR COORDINATION AND FINAL APPROVAL PRIOR TO PLACEMENT OF ANY PAVEMENT MARKINGS. MARKINGS WITHIN NCDOT RIGHT-OF-WAYS SHALL BE IN COMPLIANCE WITH NCDOT STANDARDS AND SPECIFICATIONS.
- 2. ALL SIGNS & PAVEMENT MARKINGS ASSOCIATED WITH THE PUBLIC STREET SYSTEM WILL REQUIRE APPROVAL BY CITY COUNCIL TO BE ORDINANCED FOR ENFORCEMENT.
- 3. ALL PAVEMENT MARKINGS SHALL BE PLACED PER THE NCDOT DIVISION 12 STANDARD DETAILS. BICYCLE LANE MARKINGS SHALL BE PLACED PER CITY OF RALEIGH STANDARD BICYCLE FACILITIES DETAILS.

CITY OF RALEIGH PUBLIC UTILITIES STANDARD NOTES (AS APPLICABLE)

- 1. ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD 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 DRINKING WATER. IF ADEQUATE LATERAL SEPARATION CANNOT BE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS. HOWEVER, THE MINIMUM SEPARATION SHALL NOT BE LESS THAN 25' FROM A PRIVATE WELL OR 50' FROM A PUBLIC WELL.
 - b) WHEN INSTALLING WATER &/OR SEWER MAINS, THE HORIZONTAL SEPARATION BETWEEN UTILITIES SHALL BE 10'. IF THIS SEPARATION CANNOT BE MAINTAINED DUE TO EXISTING CONDITIONS, THE VARIATION ALLOWED IS THE WATER MAIN IN A SEPARATE TRENCH WITH THE ELEVATION OF THE WATER MAIN AT LEAST 18" ABOVE THE TOP OF THE SEWER & MUST BE APPROVED BY THE PUBLIC UTILITIES DIRECTOR. ALL DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER TO OUTSIDE DIAMETER.
 - c) WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION, OR ANYTIME A SANITARY SEWER PASSES OVER A WATERMAIN, DIP MATERIALS OR STEEL ENCASEMENT EXTENDED 10' ON EACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS.
 - d) 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER.
 - e) MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL WATERMAIN & RCP STORM DRAIN CROSSINGS; MAINTAIN 24" MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER & RCP STORM DRAIN CROSSINGS. WHERE ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, SPECIFY DIP MATERIALS & A CONCRETE CRADLE HAVING 6" MIN. CLEARANCE (PER CORPUD DETAILS W-41 & S-49).
 - 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. CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED BY A 24 HOUR ADVANCE NOTICE TO THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT.
- 5. 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCEMAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.
- 6. IT IS THE DEVELOPER'S RESPONSIBILITY TO ABANDON OR REMOVE EXISTING WATER & SEWER SERVICES NOT BEING USED IN REDEVELOPMENT OF A SITE UNLESS OTHERWISE DIRECTED BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT. THIS INCLUDES ABANDONING TAP AT MAIN & REMOVAL OF SERVICE FROM ROW OR EASEMENT PER CORPUD HANDBOOK PROCEDURE.
- 7. INSTALL 3/4" COPPER* WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2'X2' WATERLINE EASEMENT IMMEDIATELY ADJACENT. NOTE: IT IS THE APPLICANT'S RESPONSIBILITY TO PROPERLY SIZE THE WATER SERVICE FOR EACH CONNECTION TO PROVIDE ADEQUATE FLOW & PRESSURE.
- 8. INSTALL 4" PVC* SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED EVERY 75 LINEAR FEET MAXIMUM.
- 9. 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.
- 10. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDOW, USACE &/OR FEMA FOR ANY RIPARIAN BUFFER, WETLAND &/OR FLOODPLAIN IMPACTS (RESPECTIVELY) PRIOR TO CONSTRUCTION.
- 11. NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION.
- 12. GREASE INTERCEPTOR / OIL WATER SEPARATOR SIZING CALCULATIONS & INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE CORPUD FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A BUILDING PERMIT. CONTACT STEPHEN CALVERLEY AT (919) 996-2334 OR STEPHEN.CALVERLEY@RALEIGHNC.GOV FOR MORE INFORMATION.
- 13. CROSS-CONNECTION CONTROL PROTECTION DEVICES ARE REQUIRED BASED ON DEGREE OF HEALTH HAZARD INVOLVED AS LISTED IN APPENDIX-B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NORTH CAROLINA. THESE GUIDELINES ARE THE MINIMUM REQUIREMENTS. THE DEVICES SHALL MEET AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE) STANDARDS OR BE ON THE UNIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST. 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 JOANIE HARTLEY AT (919) 996-5923 OR JOANIE.HARTLEY@RALEIGHNC.GOV FOR MORE INFORMATION.

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 K SOFT COPPER (WITHOUT FITTINGS) TO THE WATER METER. PRIVATE WATER SYSTEMS MAY USE C-900 PIPE. APPROVED BACKFLOW PREVENTERS ARE REQUIRED TO SEPARATE PUBLIC WATER SYSTEMS FROM PRIVATE SYSTEMS.
- 2. ALL SEWER MAINS SHALL BE EITHER PVC OR DUCTILE IRON PIPE AS SHOWN ON THE PLANS. ALL PIPE MATERIAL SHALL MEET CITY OF RALEIGH STANDARDS AND SPECIFICATIONS AS DEFINED IN THE LATEST ISSUE OF THE PUBLIC UTILITIES HANDBOOK AND/OR UNIFIED DEVELOPMENT ORDINANCE (UDO).
- 3. ALL FIRE HYDRANTS ALONG PUBLIC R/W LINES SHALL HAVE A 5'Wx5' L 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 401 OR 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 87-121(G), 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. ALL UTILITY SLEEVES SHALL BE SCHEDULE 40 PVC AND INSTALLED WITH 2' MINIMUM COVER. BOTH ENDS SHALL BE CAPPED AND MARKED.
- 10. VIDEO SURVEILLANCE OF ALL SANITARY SEWER MAINS AND LATERALS IS REQUIRED PRIOR TO USE.

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 "P" APPLIES TO ALL EXCAVATIONS 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 CONTRACTOR RESPONSIBLE FOR EXCAVATION.
- 3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RALEIGH AND/OR NCDOT STANDARDS AND SPECIFICATIONS AS APPLICABLE.
- 4. 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 INSPECTOR.
- 5. 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.
- 6. 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.
- 7. CONTRACTOR SHALL DETERMINE LOCATIONS FOR SPILL CURB TO PROVIDE POSITIVE DRAINAGE TO STORM STRUCTURES THROUGHOUT THE SITE. NO "BIRDBATHS" SHALL BE CREATED WITHIN THE CURB AND GUTTER OR ASPHALT PAVED AREAS.

STORM DRAINAGE NOTES

- 1. ALL STORM DRAINAGE PIPES SHOWN SHALL BE CLASS III REINFORCED CONCRETE (RCP) UNLESS NOTED OTHERWISE.
- 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 SEALER, WHICH CONFORMS TO AASHTO SPECIFICATION M-198 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 OBJECTIONABLE MATERIAL. SAID 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 DEEMED BY THE OWNER'S REPRESENTATIVE OR GEOTECH AS UNSUITABLE FOR BACKFILL PURPOSES SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
- 9. BACKFILLING OF TRENCHES SHALL BE ACCOMPLISHED 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 RISE IN UNBACKFILLED TRENCHES AFTER PIPE HAS BEEN PLACED.
- 11. ALL CONCRETE PIPE AND PRECAST STORM STRUCTURES SHALL MEET NCDOT STANDARDS AND STAMPED ACCORDINGLY 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" BOXES OR HDPE PIPE SHALL NOT BE ALLOWED WITHIN PUBLIC RIGHT-OF-WAYS UNLESS APPROVED IN WRITING BY CITY OF RALEIGH STORMWATER DEPARTMENT.
- 14. ALL PRIVATE STORM DRAINAGE EASEMENTS AND STORMWATER MEASURES WILL BE MAINTAINED BY THE PROPERTY OWNER(S)
- 15. CONTRACTOR TO COORDINATE THE LOCATION OF CONDUIT WITH STORM DRAINAGE

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

BUY AMERICA PROGRAM REQUIREMENTS
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PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



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4040 wsp.com

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Suite 500
Raleigh, NC 27603
phone 919 823 4300
fax 919 363 2369
license number: C-0293, C-187
www.mcadamsco.com

REV	DESCRIPTION	DATE
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**GORALEIGH OPERATIONS AND
MAINTENANCE FACILITY
(POOLE ROAD) EXPANSION**
4104 POOLE ROAD
RALEIGH, NC 27610
CITY OF RALEIGH, NORTH CAROLINA



PROFESSIONAL SEAL

SHEET NAME
PROJECT NOTES

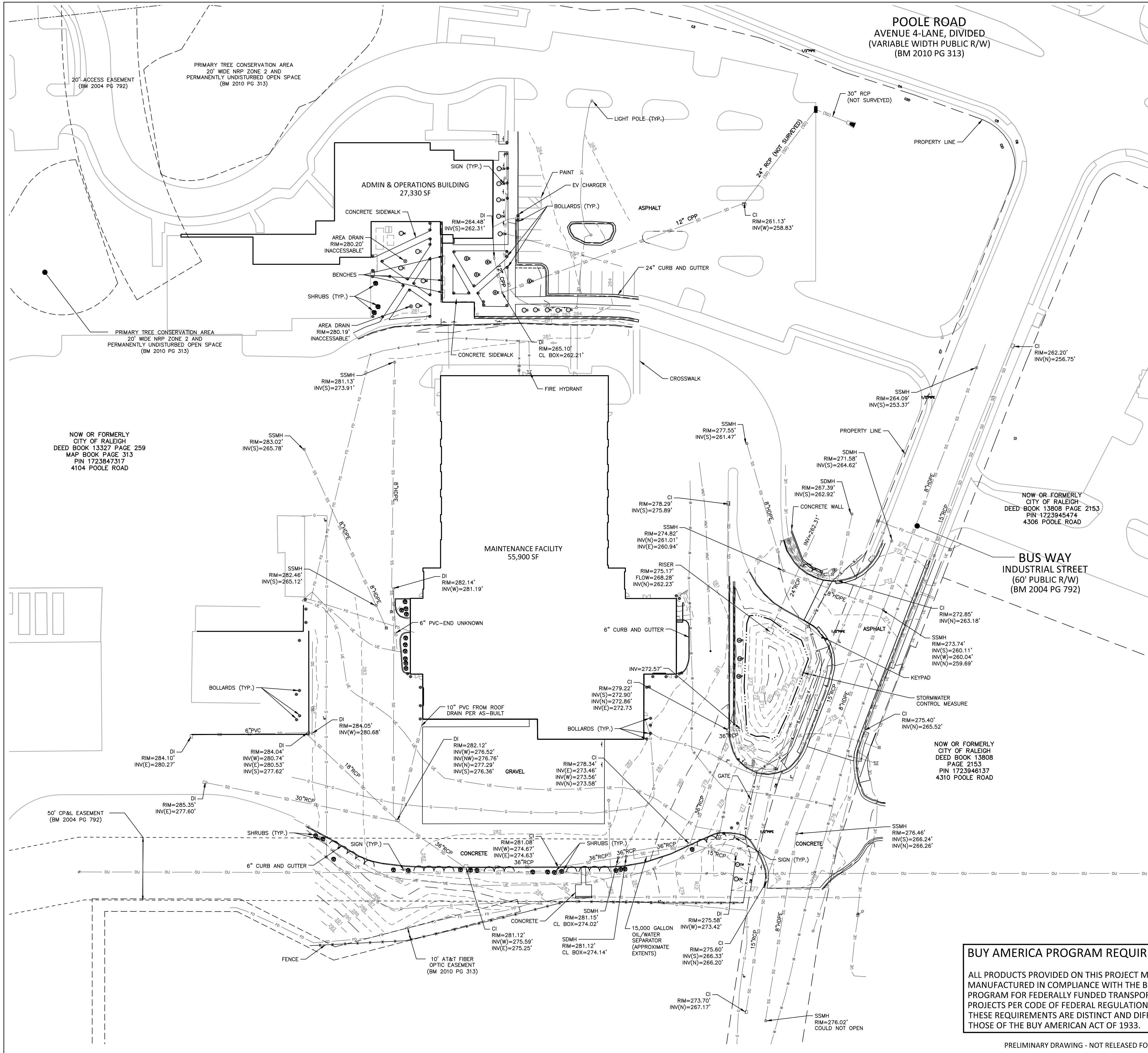
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DRAWN BY: WHM
CHECKED BY: LAW
DATE: 11.01.2024
SCALE: NTS

FULL SCALE SHEET SIZE= ANSI-D (22x34")

SHEET NUMBER **C0.01**

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**POOLE ROAD
AVENUE 4-LANE, DIVIDED
(VARIABLE WIDTH PUBLIC R/W)
(BM 2010 PG 313)**

LEGEND

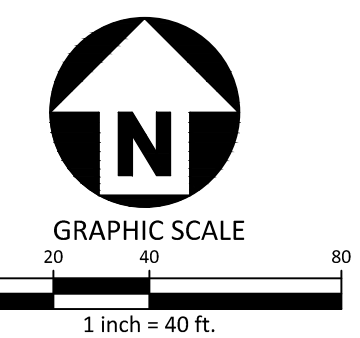
- CONCRETE MONUMENT
 - EXISTING IRON PIPE
 - IRON PIPE SET
 - CALCULATED POINT
 - FIRE HYDRANT
 - WATER METER
 - BACKFLOW PREVENTER
 - WATER MANHOLE
 - WATER VALVE
 - DRAINAGE INLET/YARD INLET
 - CL CATCH BASIN AT BC
 - STORM DRAIN MANHOLE
 - ELECTRIC METER
 - ELECTRIC TRANSFORMER
 - ELECTRIC BOX
 - GUY WIRE
 - LIGHT POLE
 - POWER/UTILITY POLE
 - CLEAN OUT
 - SEWER MANHOLE
 - GAS SERVICE METER
 - GAS VALVE
 - CABLE TV BOX
 - CATV HANDHOLE
 - TELEPHONE HANDHOLE
 - TELEPHONE PEDESTAL
 - FIBER OPTIC MARKER
 - FIBER OPTIC HANDHOLE
 - SIGNAL POLE
 - TRAFFIC HANDHOLE
 - BOLLARD
 - AIR CONDITIONER
 - SIGN
 - MAILBOX
 - FLOOD LIGHT
 - BORE HOLE
- CONTROLLED ACCESS R/W
- REGULAR SPACES
ACCESSIBLE SPACES
- GAS LINE
 - GAS LINE NOT SURVEYED
 - WATER LINE
 - WATER LINE NOT SURVEYED
 - SEWER LINE
 - SEWER LINE NOT SURVEYED
 - STORM LINE
 - STORM LINE NOT SURVEYED
 - FENCE
 - HANDRAIL
 - GUARD RAIL
 - UNDERGROUND TV CABLE
 - UNDERGROUND TV CABLE NOT SURVEYED
 - UNDERGROUND ELECTRIC LINE
 - UNDERGROUND ELECTRIC LINE NOT SURVEYED
 - UNDERGROUND FIBER OPTIC CABLE
 - UNDERGROUND FIBER OPTIC CABLE NOT SURVEYED
 - UNDERGROUND TELEPHONE CABLE
 - OVERHEAD ELECTRIC LINE
 - OVERHEAD ELECTRIC LINE NOT SURVEYED
 - WOOD LINE/LANDSCAPING

TREE LEGEND

- M MAPLE
 - CM CREPE MAPLE
 - C CHERRY
 - E ELM
 - O OAK
 - P PINE
 - S SPRUCE
- DIAMETER INCH AT BREAST HEIGHT
1-0 TYPE OF TREE

GENERAL NOTES:

- THIS IS AN ENGINEER'S EXISTING CONDITION PLAN BASED ON INFORMATION PROVIDED BY SURVEY AND GIS. TOPOGRAPHIC SURVEY PREPARED BY WSP.
- BASIS OF BEARINGS: NC GRID, NAD 83(2011).
- ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES IN US SURVEY FEET UNLESS OTHERWISE NOTED.
- THIS SURVEY IS NOT A BOUNDARY SURVEY.
- DATE OF FIELD SURVEY 04/30/2024 & 8/27/2027.
- THIS SURVEY WAS DONE WITHOUT THE BENEFIT OF A TITLE REPORT. NOT ALL EASEMENTS AND CURRENT MATTERS OF RECORD ARE SHOWN ON THIS SURVEY.
- THIS MAP IS NOT A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS AND HAS NOT BEEN REVIEWED FOR COMPLIANCE WITH RECORDING REQUIREMENTS FOR PLATS.



SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



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www.mcadamsco.com

REV	DESCRIPTION	DATE

GORALEIGH OPERATIONS AND MAINTENANCE FACILITY (POOLE ROAD) EXPANSION
4104 POOLE ROAD
RALEIGH, NC 27610
CITY OF RALEIGH, NORTH CAROLINA



PROFESSIONAL SEAL
SHEET NAME
EXISTING CONDITIONS

DESIGNED BY: SJC
DRAWN BY: WHM
CHECKED BY: LAW
DATE: 11.01.2024
SCALE: 1"=40'

FULL SCALE SHEET SIZE= ANSI-D (22x34")

SHEET NUMBER **C1.00**

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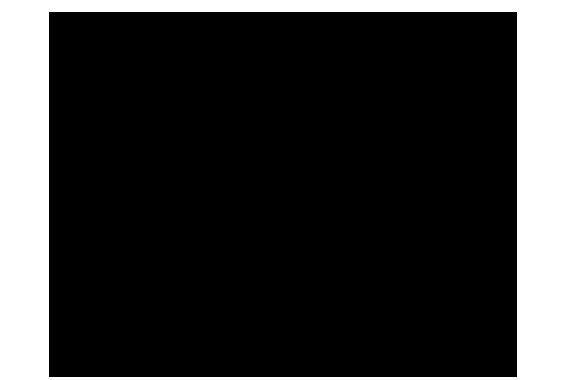
PRIME CONSULTANT:
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 Tel.: +1 919 836
 4040 wsp.com

SUBCONSULTANT:

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 license number: C-0293, C-187
 www.mcadamsco.com

REV	DESCRIPTION	DATE

**GORALEIGH OPERATIONS AND
 MAINTENANCE FACILITY
 (POOLE ROAD) EXPANSION**
 4104 POOLE ROAD
 RALEIGH, NC 27610
 CITY OF RALEIGH, NORTH CAROLINA



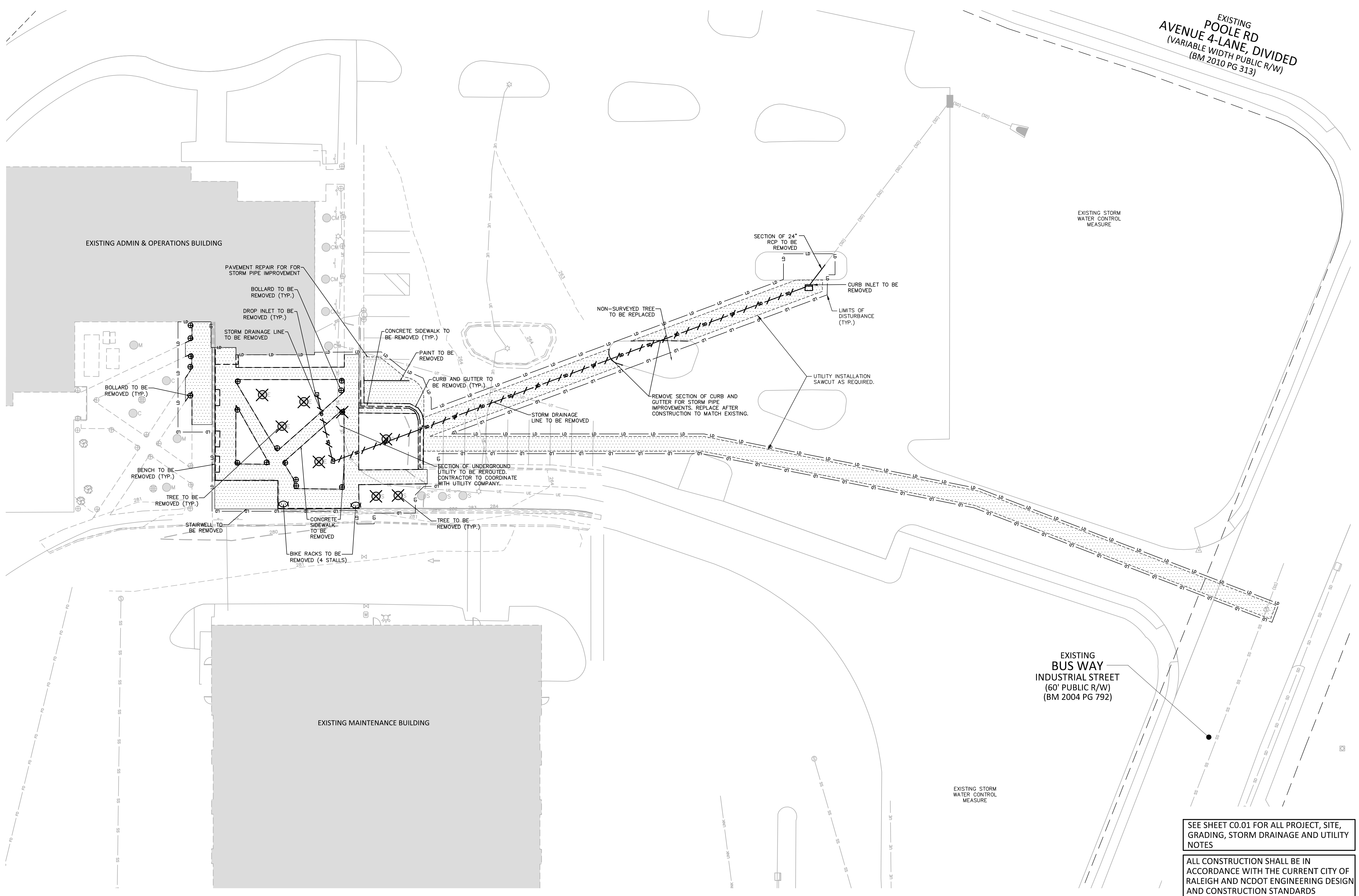
PROFESSIONAL SEAL

SHEET NAME
 DEMOLITION PLAN - ADMIN & OPS

DESIGNED BY: SJC
 DRAWN BY: WHM
 CHECKED BY: LAW
 DATE: 11.01.2024
 SCALE: 1"=20'

FULL SCALE SHEET SIZE= ANSI-D (22x34")

SHEET NUMBER
C1.01



SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES


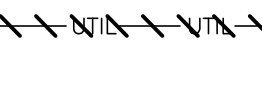
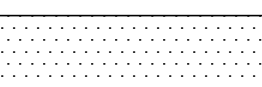
ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT CITY OF RALEIGH AND NCDOT ENGINEERING DESIGN AND CONSTRUCTION STANDARDS

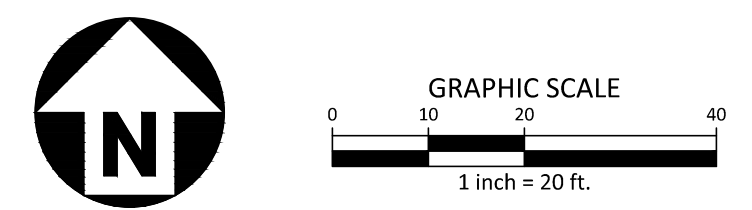
BUY AMERICA PROGRAM REQUIREMENTS

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PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

DEMOLITION LEGEND

	TREE OR OTHER VEGETATION TO BE REMOVED
	UNDERGROUND UTILITY TO BE REMOVED
	AREA TO BE REMOVED (SIDEWALK, CURB AND GUTTER, STRUCTURES, ASPHALT, CONCRETE PAVING, ETC.)



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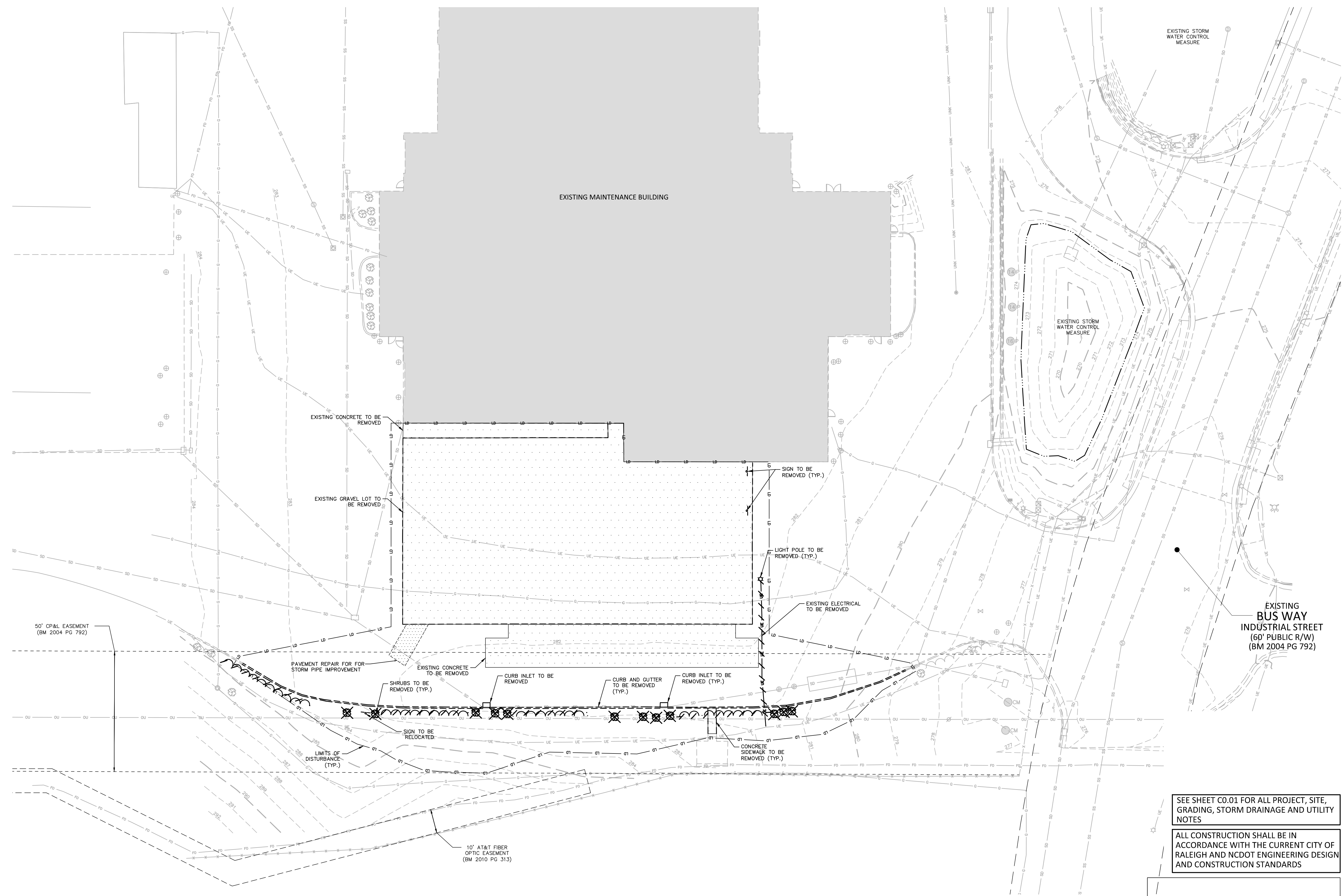
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 license number: C-0293, C-187
 www.mcadamsco.com

REV	DESCRIPTION	DATE

**GORALEIGH OPERATIONS AND
 MAINTENANCE FACILITY
 (POOLE ROAD) EXPANSION**
 4104 POOLE ROAD
 RALEIGH, NC 27610
 CITY OF RALEIGH, NORTH CAROLINA



50' CP&L EASEMENT
(BM 2004 PG 792)

EXISTING CONCRETE TO BE REMOVED

EXISTING GRAVEL LOT TO BE REMOVED

SIGN TO BE REMOVED (TYP.)

LIGHT POLE TO BE REMOVED (TYP.)

EXISTING ELECTRICAL TO BE REMOVED

EXISTING BUS WAY
 INDUSTRIAL STREET
 (60' PUBLIC R/W)
 (BM 2004 PG 792)

PAVEMENT REPAIR FOR STORM PIPE IMPROVEMENT

SHRUBS TO BE REMOVED (TYP.)

CURB INLET TO BE REMOVED

CURB AND GUTTER TO BE REMOVED (TYP.)

CURB INLET TO BE REMOVED (TYP.)

EXISTING CONCRETE TO BE REMOVED

SIGN TO BE RELOCATED

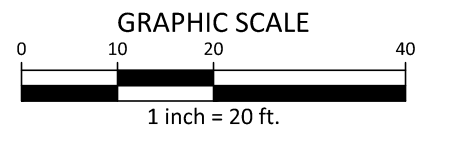
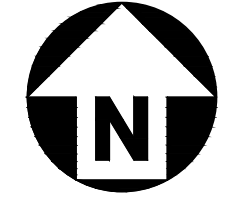
CONCRETE SIDEWALK TO BE REMOVED (TYP.)

LIMITS OF DISTURBANCE (TYP.)


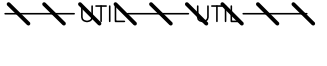
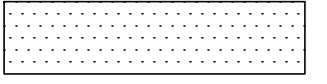
10' AT&T FIBER OPTIC EASEMENT
(BM 2010 PG 313)

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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



DEMOLITION LEGEND

-  TREE OR OTHER VEGETATION TO BE REMOVED
-  UNDERGROUND UTILITY TO BE REMOVED
-  AREA TO BE REMOVED (SIDEWALK, CURB AND GUTTER, STRUCTURES, ASPHALT, CONCRETE PAVING, ETC.)

BUY AMERICA PROGRAM REQUIREMENTS

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PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

PROFESSIONAL SEAL

SHEET NAME
 DEMOLITION PLAN - MAINTENANCE

DESIGNED BY: SJC
 DRAWN BY: WHM
 CHECKED BY: LAW
 DATE: 11.01.2024
 SCALE: 1"=20'

FULL SCALE SHEET SIZE= ANSI-D (22x34")

SHEET NUMBER **C1.02**

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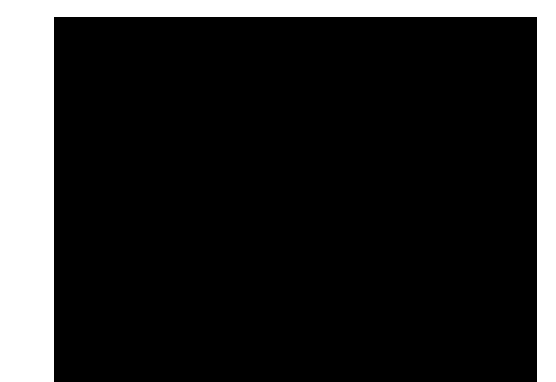


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REV	DESCRIPTION	DATE

**GORALEIGH OPERATIONS AND
 MAINTENANCE FACILITY
 (POOLE ROAD) EXPANSION**
 4104 POOLE ROAD
 RALEIGH, NC 27610
 CITY OF RALEIGH, NORTH CAROLINA



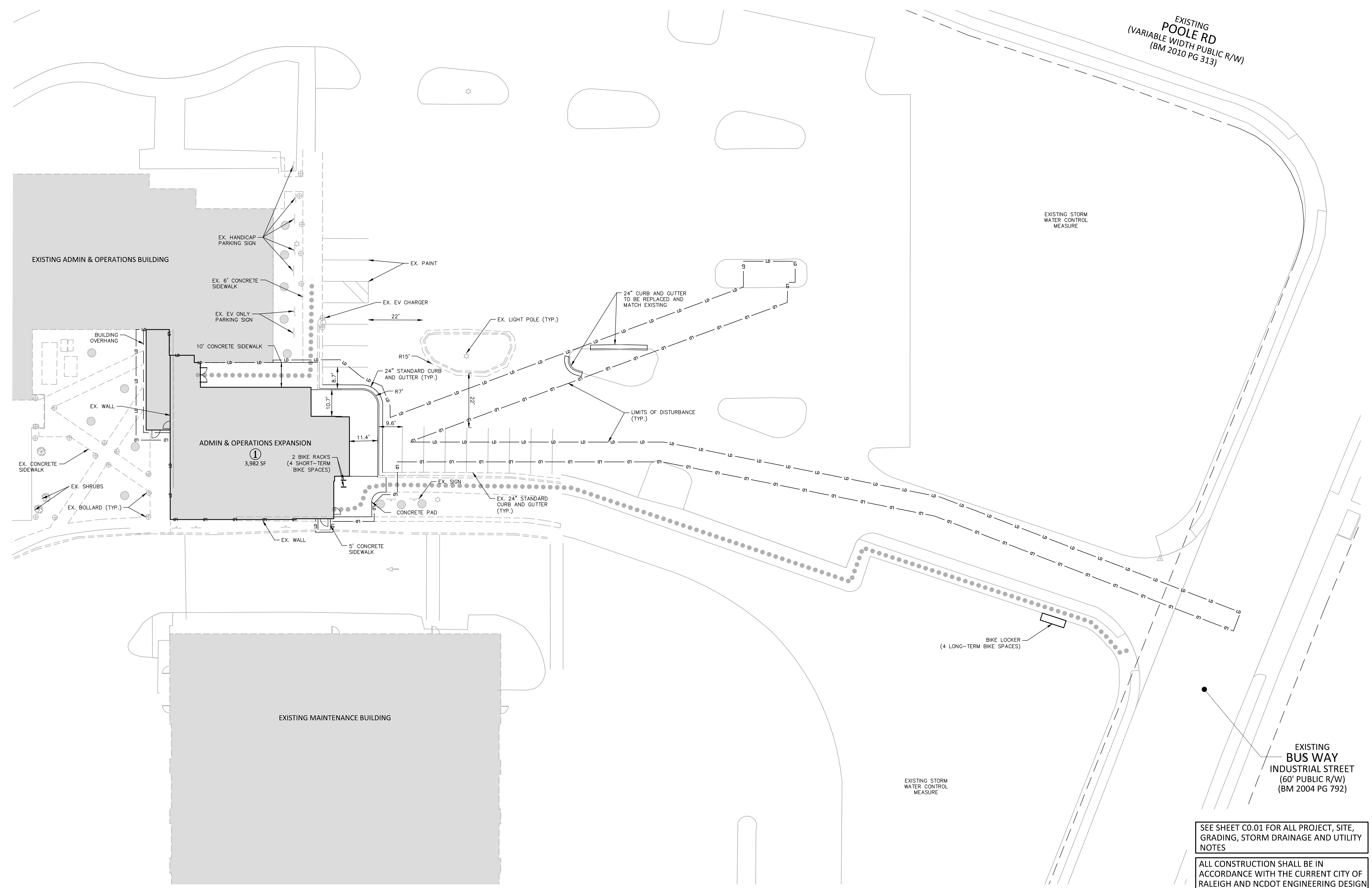
PROFESSIONAL SEAL

SHEET NAME
 SITE PLAN - ADMIN & OPS

DESIGNED BY: SJC
 DRAWN BY: WHM
 CHECKED BY: LAW
 DATE: 11.01.2024
 SCALE: 1"=20'

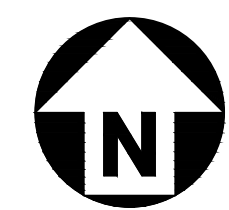
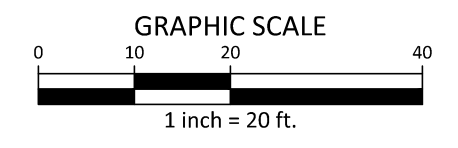
FULL SCALE SHEET SIZE= ANSI-D (22x34")

SHEET NUMBER
C2.00



SITE LEGEND

	SIGNAGE
	LIGHT POLE
	POWER POLE
	ACCESSIBLE ROUTE
	FENCE
	PROPERTY LINE



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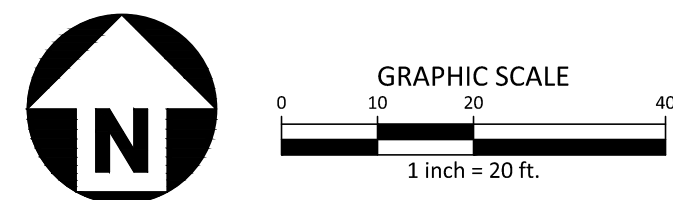
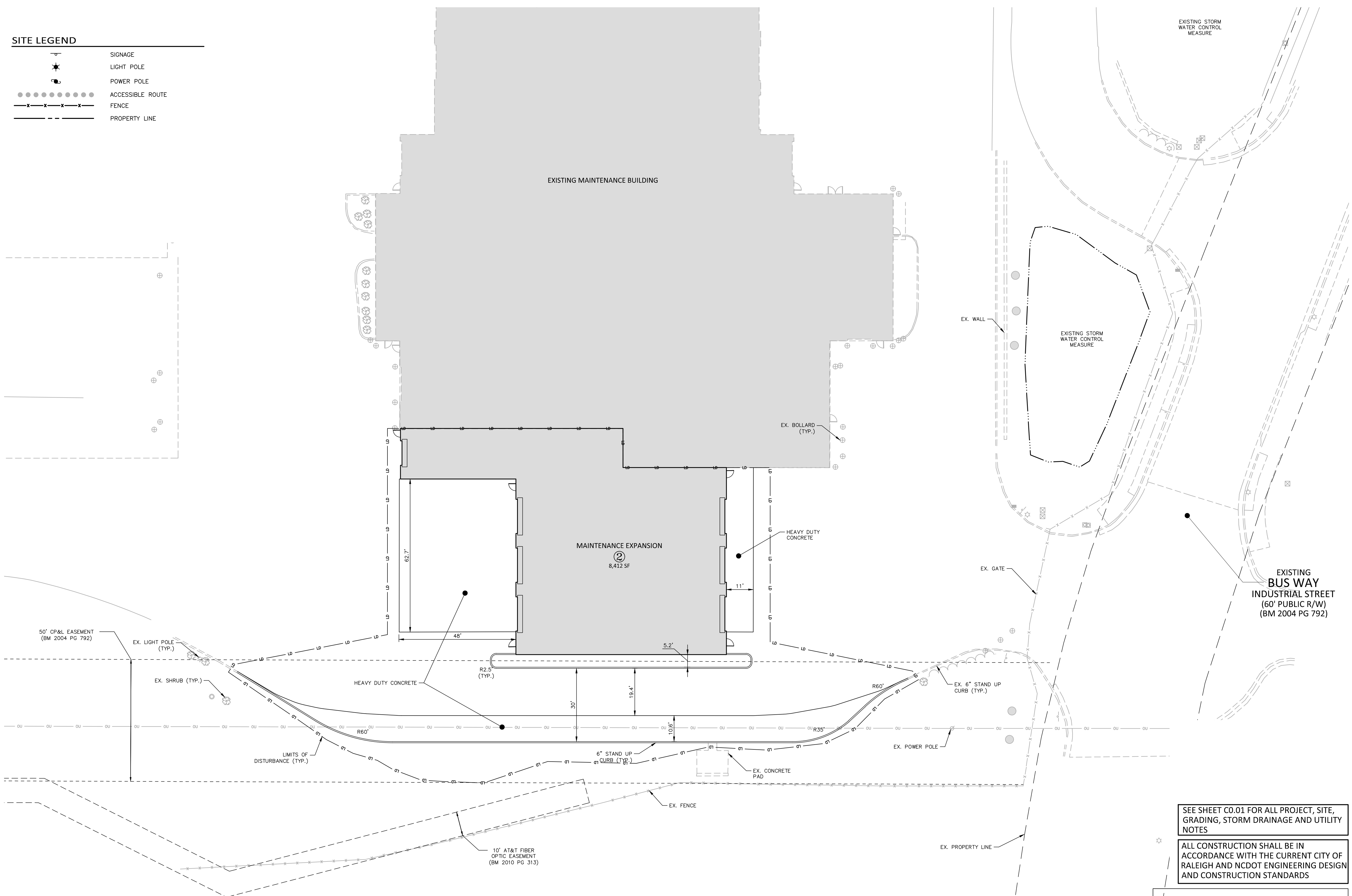
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SITE LEGEND

	SIGNAGE
	LIGHT POLE
	POWER POLE
	ACCESSIBLE ROUTE
	FENCE
	PROPERTY LINE



BUY AMERICA PROGRAM REQUIREMENTS

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PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

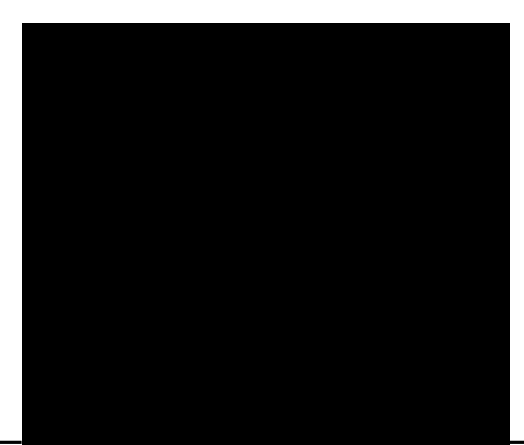


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REV	DESCRIPTION	DATE

GORALEIGH OPERATIONS AND MAINTENANCE FACILITY (POOLE ROAD) EXPANSION
 4104 POOLE ROAD
 RALEIGH, NC 27610
 CITY OF RALEIGH, NORTH CAROLINA



PROFESSIONAL SEAL

SHEET NAME
SITE PLAN - MAINTENANCE

DESIGNED BY: SJC
 DRAWN BY: WHM
 CHECKED BY: LAW
 DATE: 11.01.2024
 SCALE: 1"=20'

FULL SCALE SHEET SIZE= ANSI-D (22x34")

SHEET NUMBER
C2.01

LAST EDITED: X:\Projects\WSP\WSP24001\04-Production\Engineering\Construction Drawings\01-ASR Set\WSP24001-S1.dwg, 11/17/2024 11:07:59 AM, Brayden Holt
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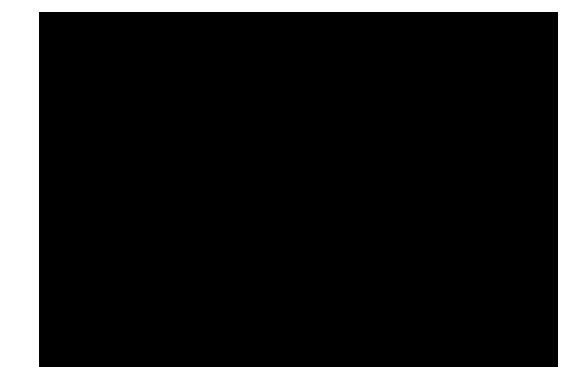


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 621 Hillsborough St
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 Raleigh, NC 27603
 phone 919 823 4300
 fax 919 363 2369
 license number: C-0293, C-187
 www.mcadamsco.com

REV	DESCRIPTION	DATE

**GORALEIGH OPERATIONS AND
 MAINTENANCE FACILITY
 (POOLE ROAD) EXPANSION**
 4104 POOLE ROAD
 RALEIGH, NC 27610
 CITY OF RALEIGH, NORTH CAROLINA



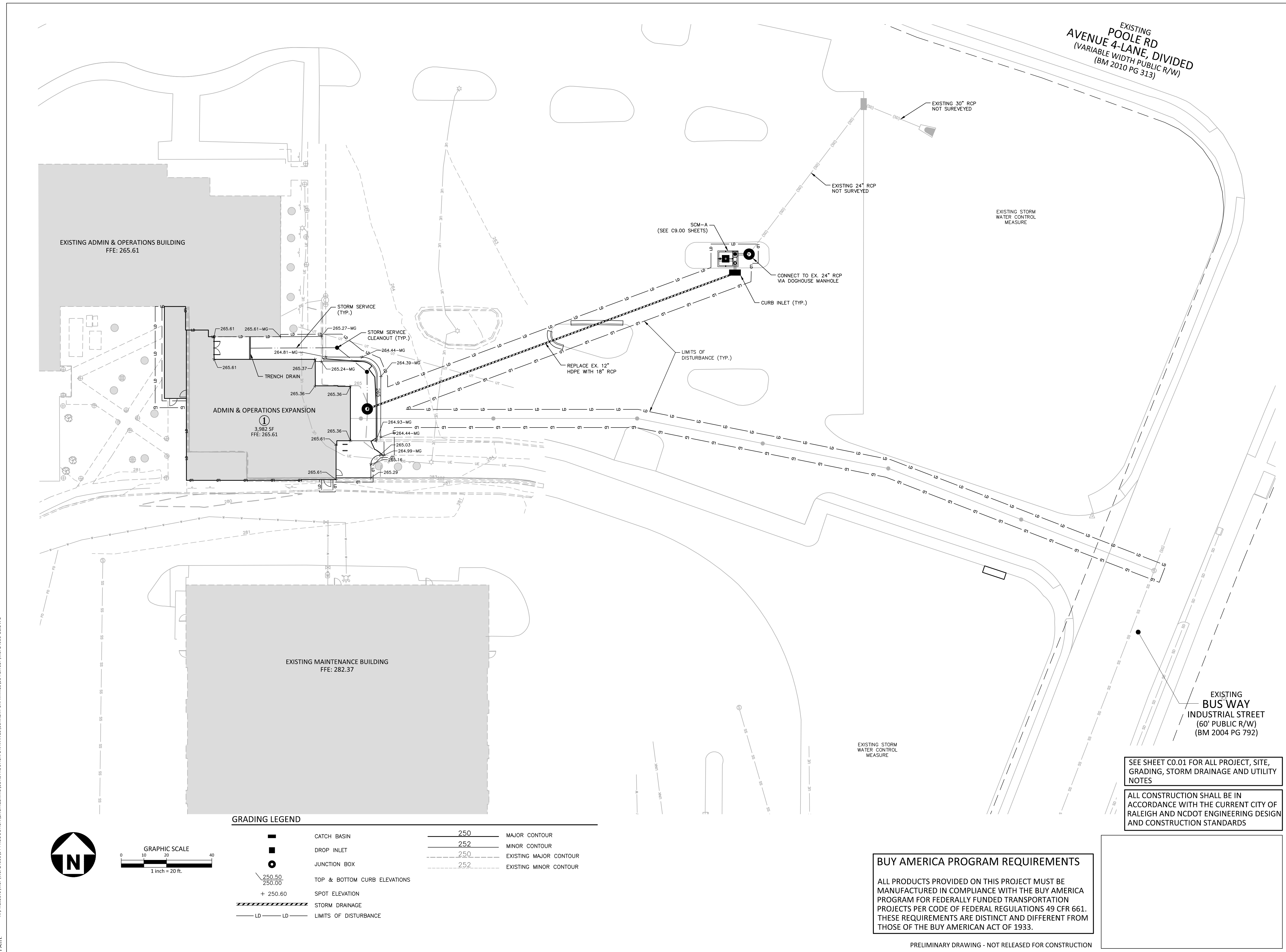
PROFESSIONAL SEAL

SHEET NAME
 GRADING PLAN - ADMIN & OPS

DESIGNED BY: SJC
 DRAWN BY: WHM
 CHECKED BY: LAW
 DATE: 11.01.2024
 SCALE: 1"=20'

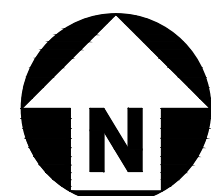
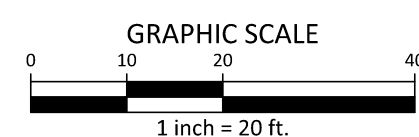
FULL SCALE SHEET SIZE= ANSI-D (22x34")

SHEET NUMBER
C3.00



GRADING LEGEND

- | | | | |
|--|------------------------------|--|----------------------------|
| | CATCH BASIN | | 250 MAJOR CONTOUR |
| | DROP INLET | | 252 MINOR CONTOUR |
| | JUNCTION BOX | | 250 EXISTING MAJOR CONTOUR |
| | TOP & BOTTOM CURB ELEVATIONS | | 252 EXISTING MINOR CONTOUR |
| | SPOT ELEVATION | | |
| | STORM DRAINAGE | | |
| | LIMITS OF DISTURBANCE | | |



BUY AMERICA PROGRAM REQUIREMENTS

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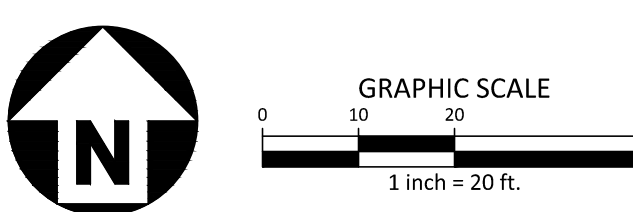
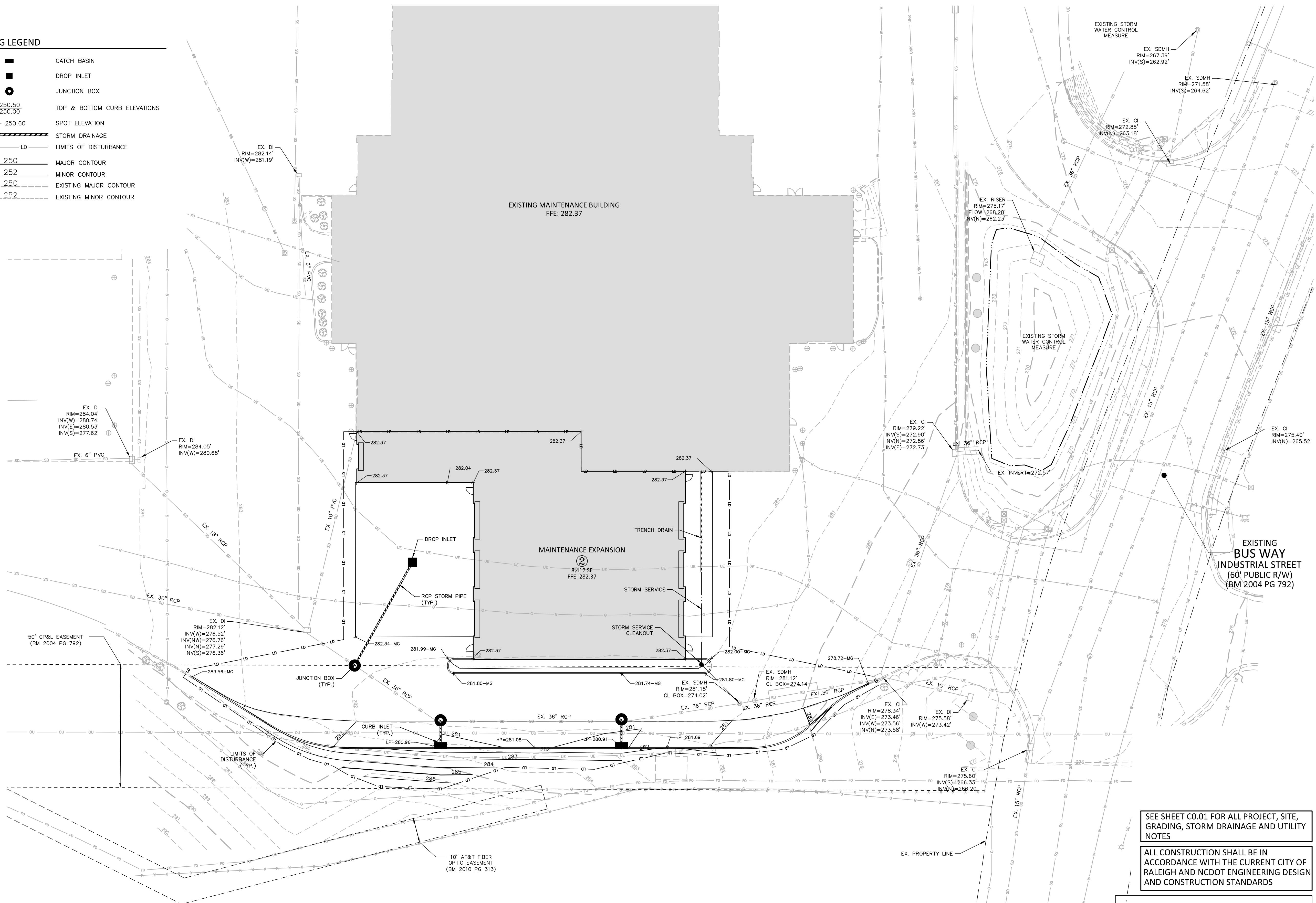
PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

LAST EDITED: X:\Projects\WSP\24001\04-Production\Engineering\Construction Drawings\01-ASR Set\WSP24001-G1.dwg, 11/1/2024 11:08:00 AM, Bryden Holt
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GRADING LEGEND

■	CATCH BASIN
■	DROP INLET
○	JUNCTION BOX
250.50 250.00	TOP & BOTTOM CURB ELEVATIONS
+ 250.60	SPOT ELEVATION
———	STORM DRAINAGE
LD — LD	LIMITS OF DISTURBANCE
250	MAJOR CONTOUR
252	MINOR CONTOUR
250	EXISTING MAJOR CONTOUR
252	EXISTING MINOR CONTOUR



SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



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 phone 919 833 4300
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 license number: C-0293, C-187
 www.mcadamsco.com

REV	DESCRIPTION	DATE

GORALEIGH OPERATIONS AND MAINTENANCE FACILITY (POOLE ROAD) EXPANSION
 4104 POOLE ROAD
 RALEIGH, NC 27610
 CITY OF RALEIGH, NORTH CAROLINA



PROFESSIONAL SEAL

SHEET NAME
 GRADING PLAN - MAINTENANCE

DESIGNED BY: SJC
 DRAWN BY: WHM
 CHECKED BY: LAW
 DATE: 11.01.2024
 SCALE: 1"=20'

FULL SCALE SHEET SIZE= ANSI-D (22x34")

SHEET NUMBER **C3.01**

LAST EDITED: X:\Projects\WSP\WSP24001\04-Production\Engineering\Construction Drawings\01-ASR Set\WSP24001-G1.dwg, 11/7/2024 11:08:01 AM, Brayden Holt
 FILE PATH: X:\PROJECTS\WSP\WSP24001\04-PRODUCTION\ENGINEERING\CONSTRUCTION DRAWINGS\CURRENT DRAWINGS\01-ASR SET\WSP24001-G1.DWG

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REV	DESCRIPTION	DATE

**GORALEIGH OPERATIONS AND
 MAINTENANCE FACILITY
 (POOLE ROAD) EXPANSION**
 4104 POOLE ROAD
 RALEIGH, NC 27610
 CITY OF RALEIGH, NORTH CAROLINA

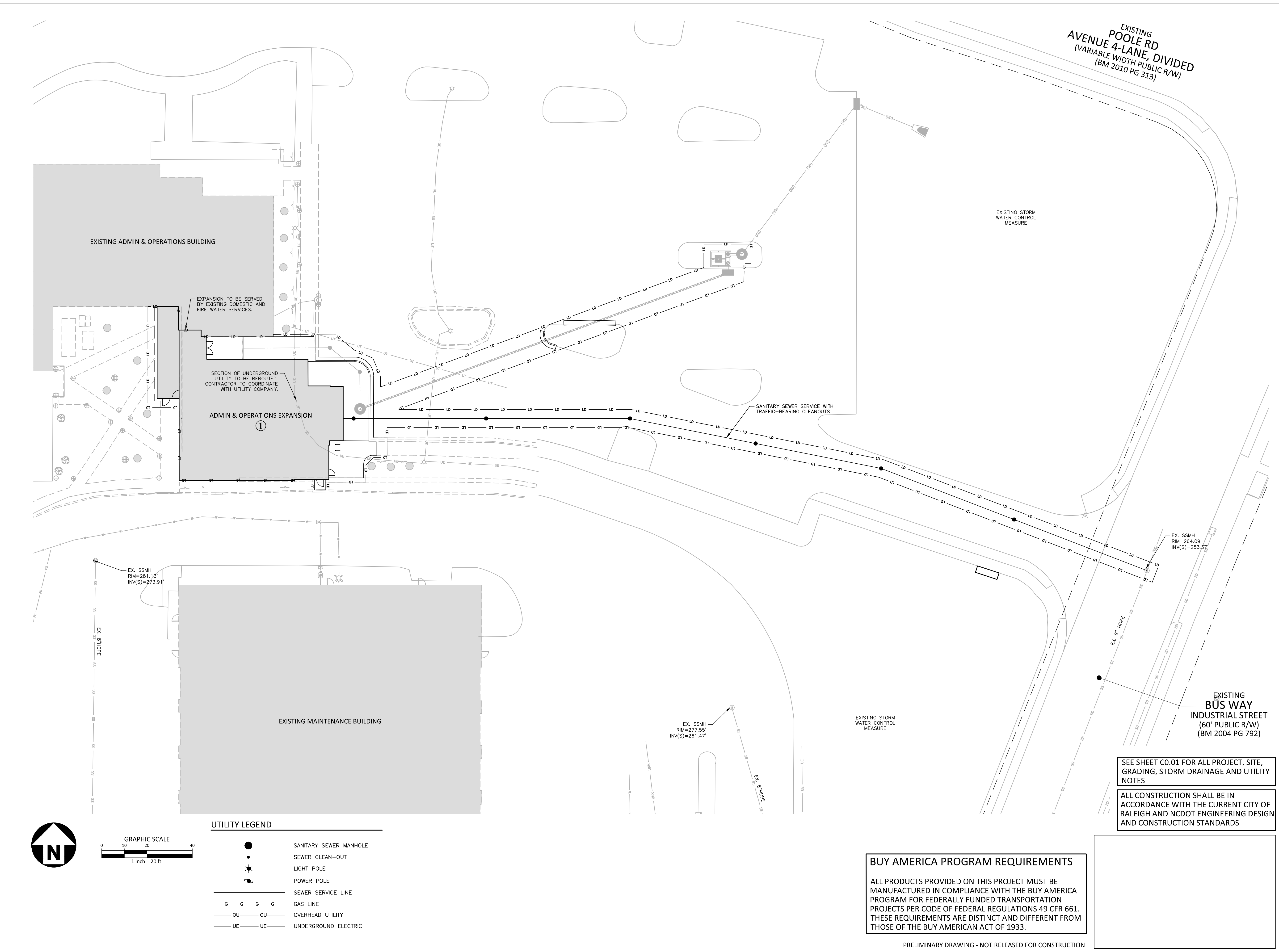


PROFESSIONAL SEAL
 SHEET NAME
 UTILITY PLAN - ADMIN & OPS

DESIGNED BY: SJC
 DRAWN BY: WHM
 CHECKED BY: LAW
 DATE: 11.01.2024
 SCALE: 1"=20'

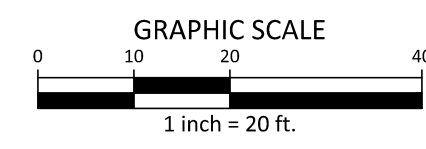
FULL SCALE SHEET SIZE= ANSI-D (22x34")

SHEET NUMBER **C4.00**



UTILITY LEGEND

	SANITARY SEWER MANHOLE
	SEWER CLEAN-OUT
	LIGHT POLE
	POWER POLE
	SEWER SERVICE LINE
	GAS LINE
	OVERHEAD UTILITY
	UNDERGROUND ELECTRIC



BUY AMERICA PROGRAM REQUIREMENTS
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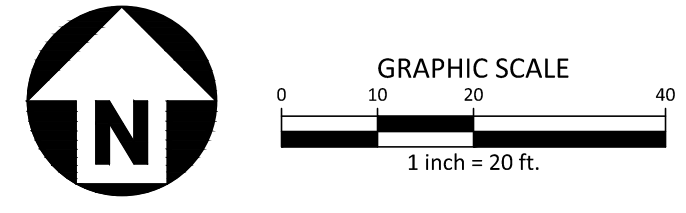
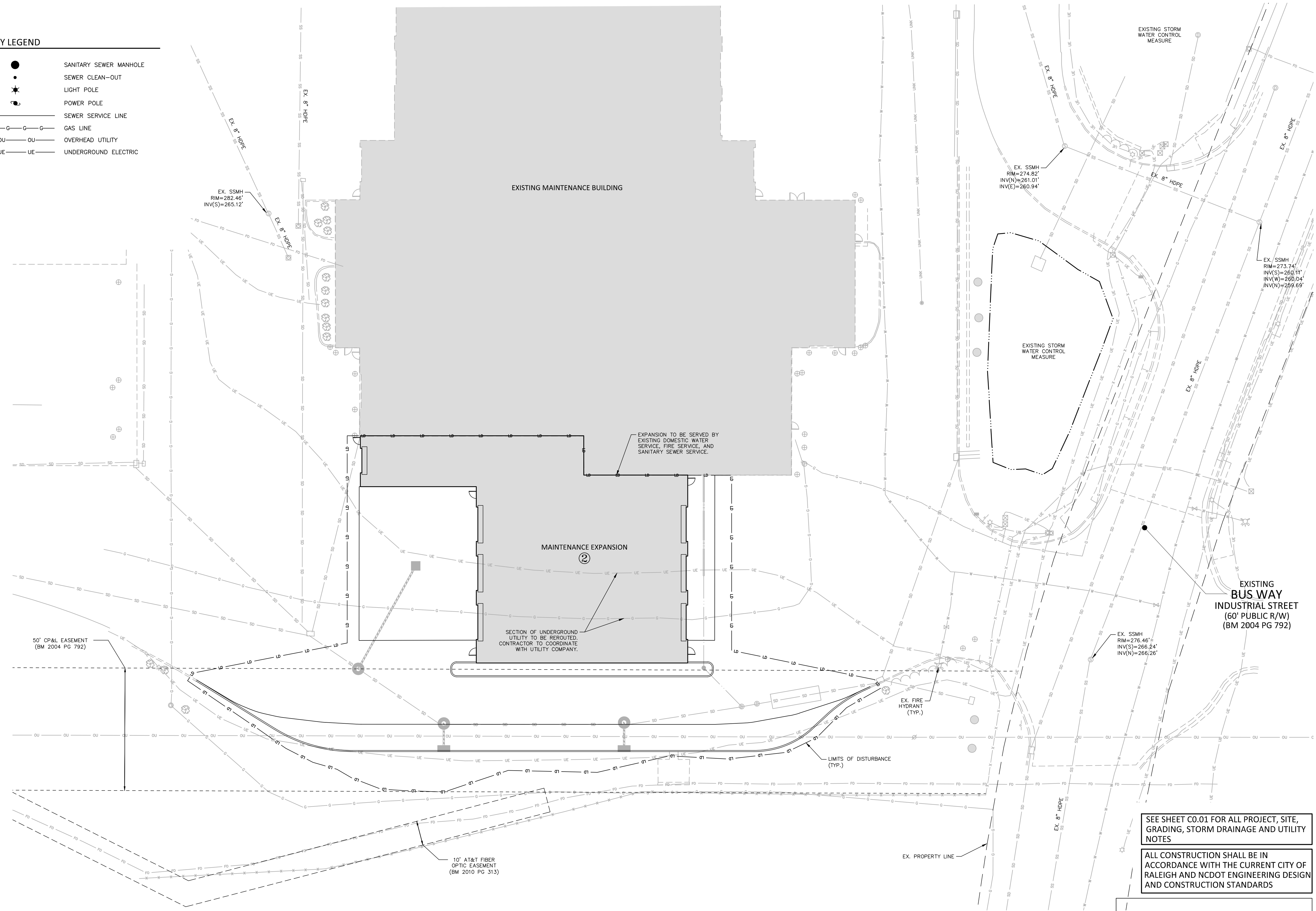
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UTILITY LEGEND

●	SANITARY SEWER MANHOLE
○	SEWER CLEAN-OUT
★	LIGHT POLE
⊕	POWER POLE
—	SEWER SERVICE LINE
—G—G—G—G—	GAS LINE
—OU—OU—	OVERHEAD UTILITY
—UE—UE—	UNDERGROUND ELECTRIC



BUY AMERICA PROGRAM REQUIREMENTS

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REV	DESCRIPTION	DATE

GORALEIGH OPERATIONS AND MAINTENANCE FACILITY (POOLE ROAD) EXPANSION
 4104 POOLE ROAD
 RALEIGH, NC 27610
 CITY OF RALEIGH, NORTH CAROLINA



PROFESSIONAL SEAL

SHEET NAME
 UTILITY PLAN - MAINTENANCE

DESIGNED BY: SJC
 DRAWN BY: WHM
 CHECKED BY: LAW
 DATE: 11.01.2024
 SCALE: 1"=20'

FULL SCALE SHEET SIZE= ANSI-D (22x34")

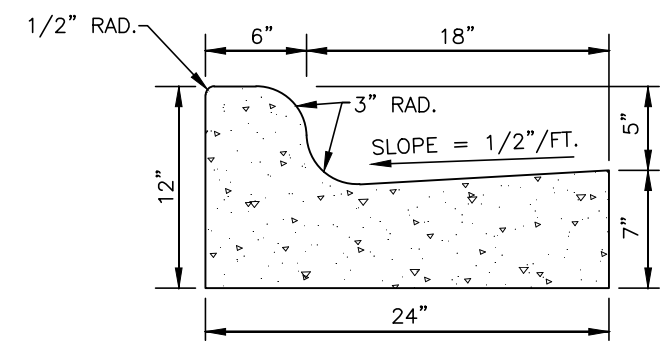
SHEET NUMBER
C4.01

LAST EDITED: X:\Projects\WSP\WSP24001\04-Production\Engineering\Construction Drawings\01-ASR Set\WSP24001-UI.dwg, 11/7/2024 11:08:03 AM, Brayden Holt
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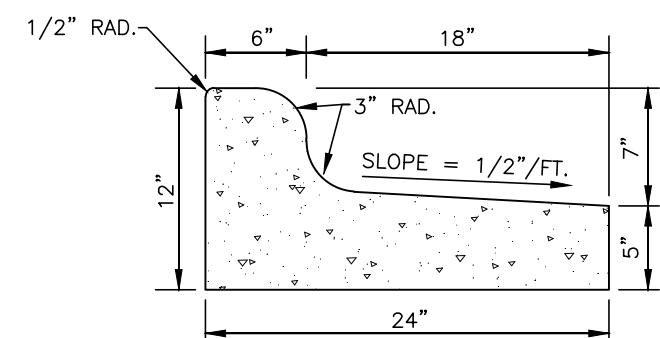
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REV	DESCRIPTION	DATE

GORALEIGH OPERATIONS AND MAINTENANCE FACILITY (POOLE ROAD) EXPANSION
 4104 POOLE ROAD
 RALEIGH, NC 27610
 CITY OF RALEIGH, NORTH CAROLINA



STANDARD 24" CURB AND GUTTER

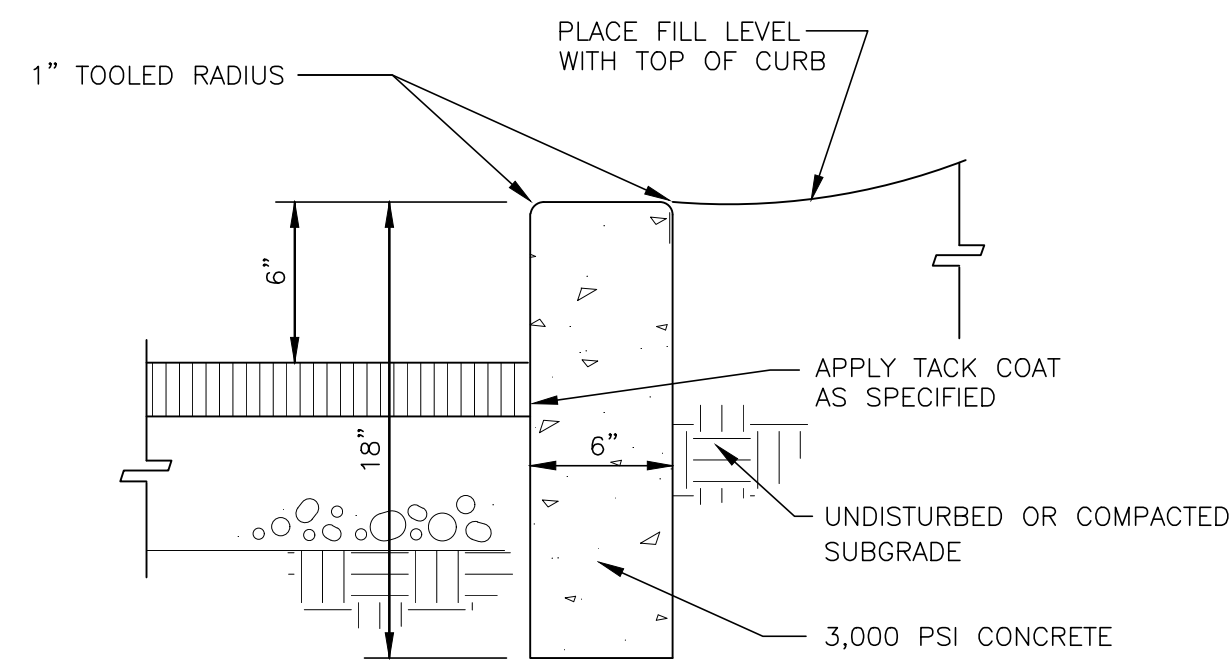


24" SPILL CURB AND GUTTER

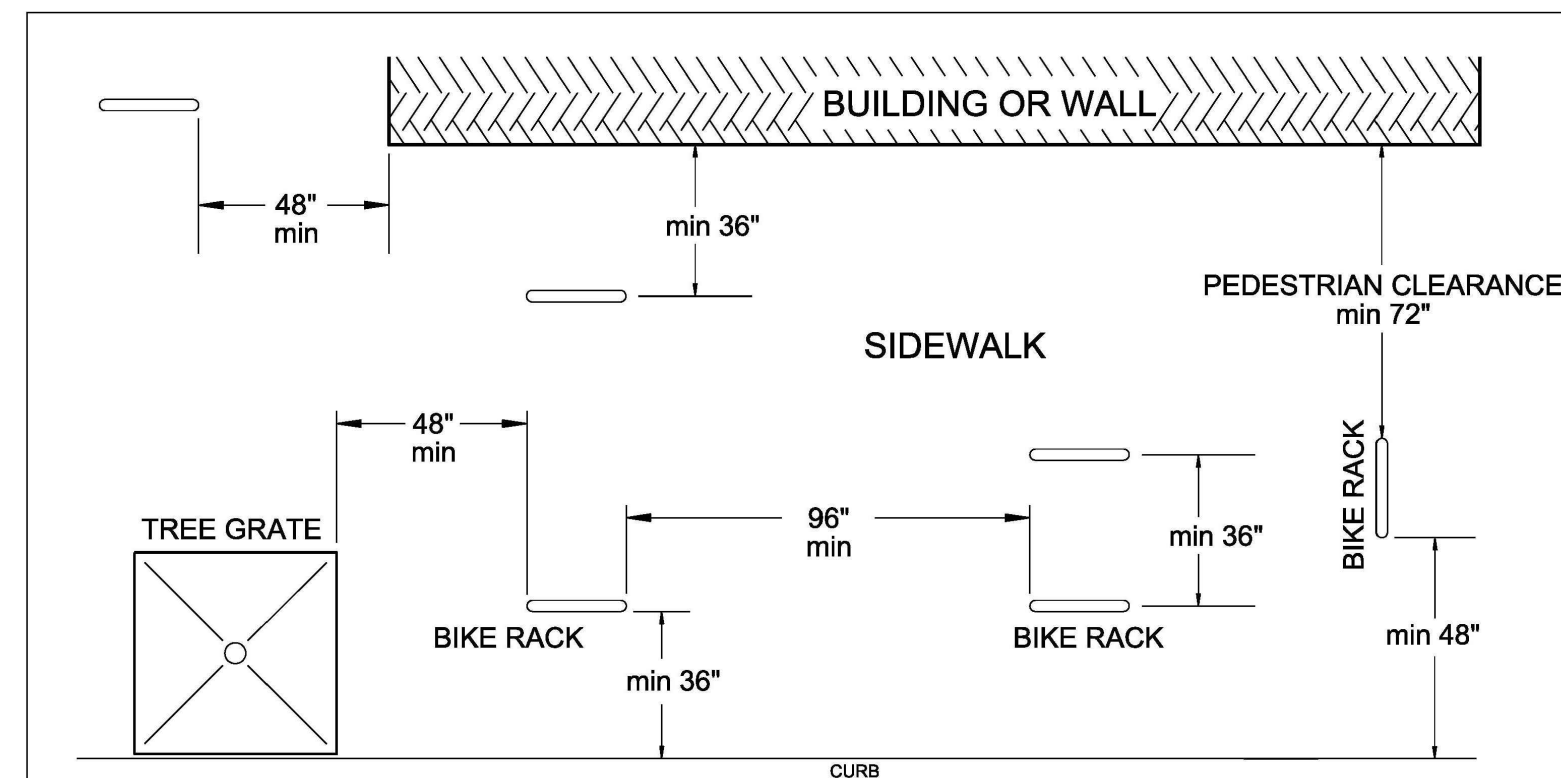
NOTES:

1. 10' MAXIMUM BETWEEN DUMMY JOINTS. 15' MAXIMUM BETWEEN DUMMY JOINTS ON MACHINE POURS.
2. 1/2" EXPANSION JOINT EVERY 50'.
3. 3000 PSI CONCRETE MINIMUM, 4" SLUMP MAXIMUM.
4. LIQUID MEMBRANE CURING COMPOUND SHALL MEET THE REQUIREMENTS OF SECTION 1026-2 OF NCDOT STANDARDS AND SPECIFICATIONS FOR ROADS AND STRUCTURES.
5. ALL CONSTRUCTION JOINTS SHALL BE FILLED WITH FILLER AND SEALER IN ACCORDANCE WITH NCDOT ROADWAY STANDARD DETAIL 846.01. THE JOINT MATERIAL SHALL CONFORM TO SECTION 1028-2 OF THE NCDOT STANDARDS AND SPECIFICATIONS FOR ROADS AND STRUCTURES.
6. REFER TO NCDOT DETAIL 846.01 FOR CURB AND GUTTER SUPERELEVATION RATES.

24" CURB AND GUTTER
N.T.S.

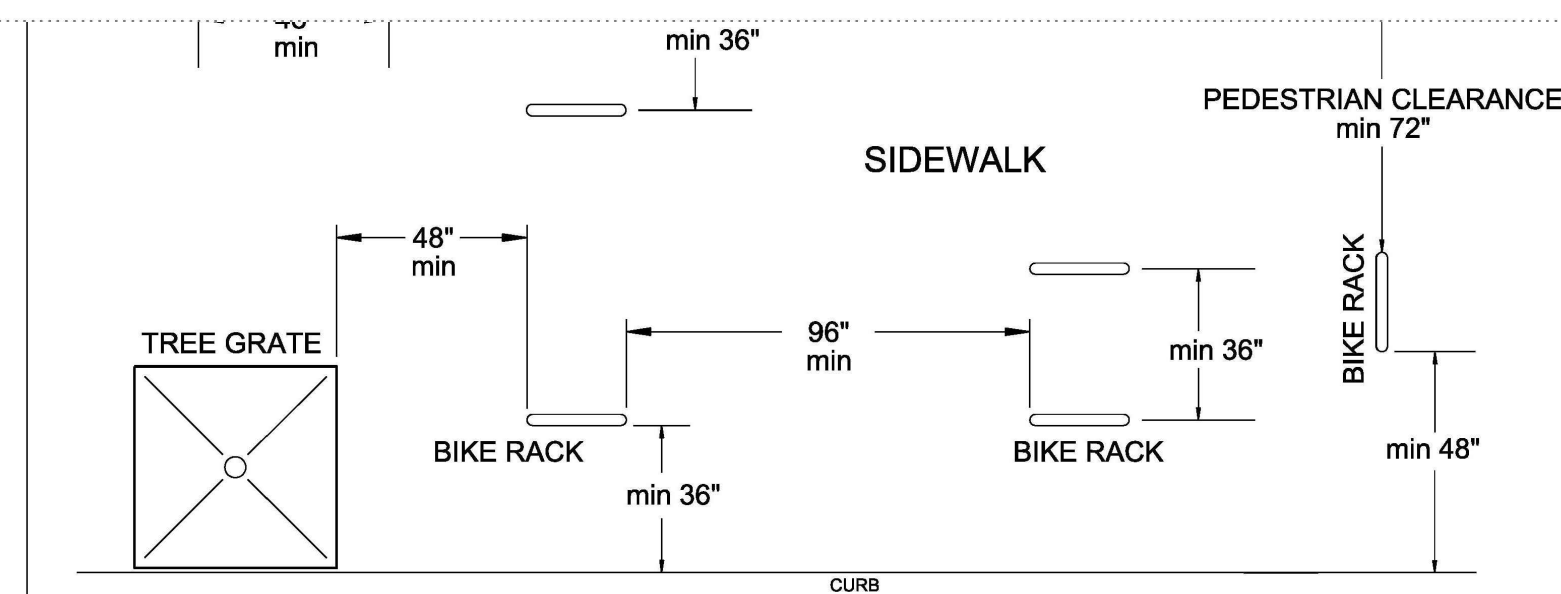


CONCRETE HEADER CURB DETAIL
N.T.S.



REVISIONS	DATE	BY	NOT TO SCALE

CITY OF RALEIGH
STANDARD DETAIL
BIKE RACK PLACEMENT
B-20.01



REVISIONS	DATE	BY	NOT TO SCALE

CITY OF RALEIGH
STANDARD DETAIL
BIKE RACK PLACEMENT
B-20.01

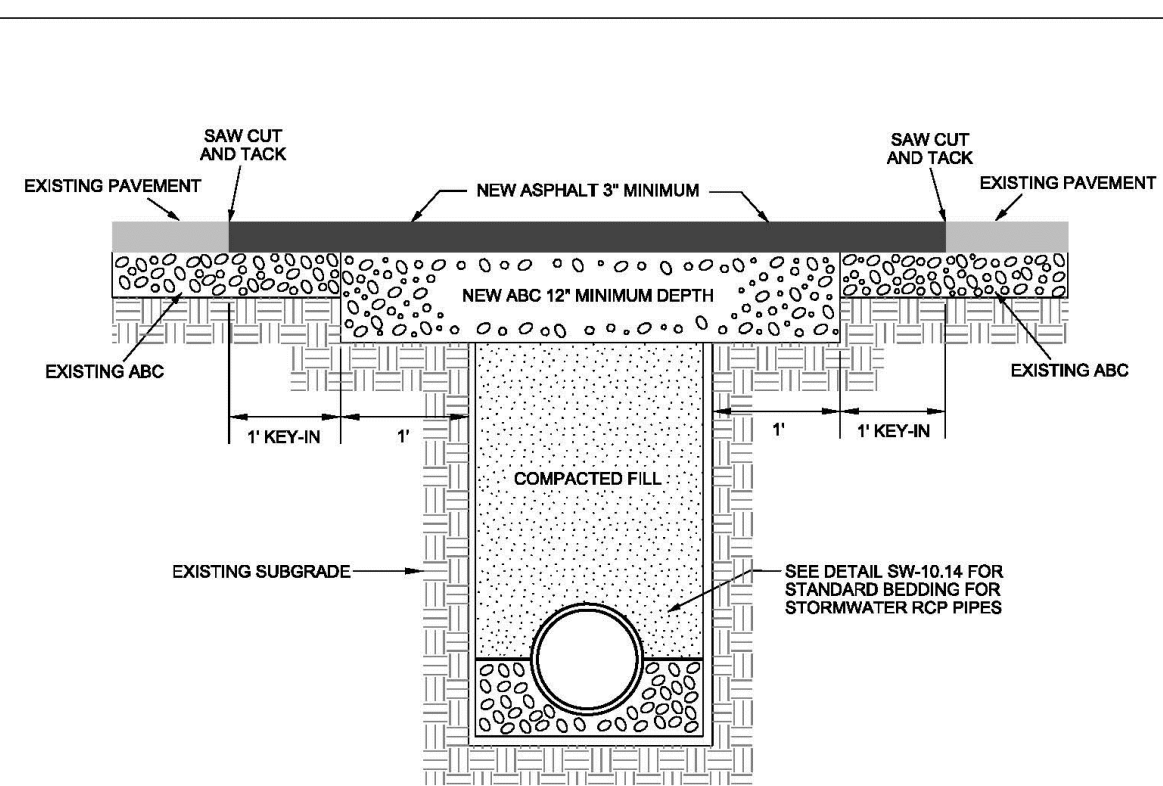
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PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

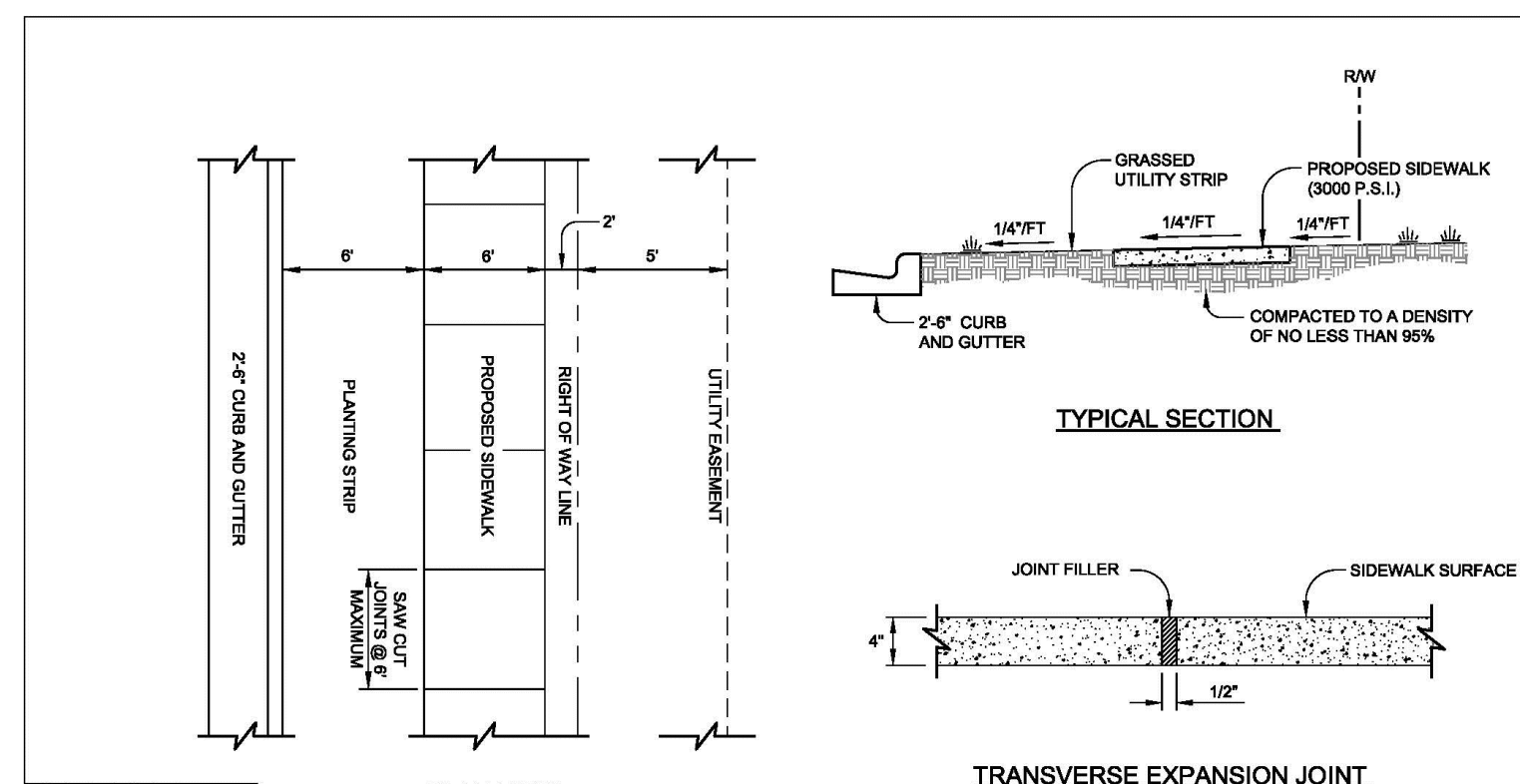


NOTES:

1. THE PAVEMENT EDGE SHALL BE DEFINED BY A STRAIGHT EDGE FORMED BY A MACHINED SAW CUT.
2. THE TRENCH SUBGRADE MATERIAL SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED TO A DENSITY OF AT LEAST 90% OF THAT OBTAINED BY COMPACTING A SAMPLE OF THE MATERIAL IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY NCDOT.
3. THE FINAL 1" OF FILL SHALL CONSIST OF ABC MATERIAL COMPACTED TO A DENSITY EQUAL TO 100% OF THAT OBTAINED BY COMPACTING A SAMPLE OF THE MATERIAL IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY NCDOT. BITUMINOUS BASE OR BINDER MAY BE SUBSTITUTED IF APPROVED BY TRANSPORTATION DIRECTOR OR DESIGNER.
4. THE ENTIRE THICKNESS/VERTICAL EDGE OF THE CUT SHALL BE TACKED.
5. THE SAME DEPTH OF PAVEMENT MATERIAL WHICH EXISTS SHALL BE REINSTALLED, BUT IN NO CASE SHALL THE ASPHALT BE LESS THAN 3" THICK.
6. THE ASPHALT PAVEMENT MATERIAL SHALL BE INSTALLED AND COMPACTED THOROUGHLY AND ROLLED WITH A SMOOTH DRUM ROLLER TO ACHIEVE A SMOOTH, LEVEL PATCH.

REVISIONS	DATE	BY	NOT TO SCALE

CITY OF RALEIGH
STANDARD DETAIL
ASPHALT PAVEMENT PATCH AND RCP PIPE BACKFILL
T-10.05

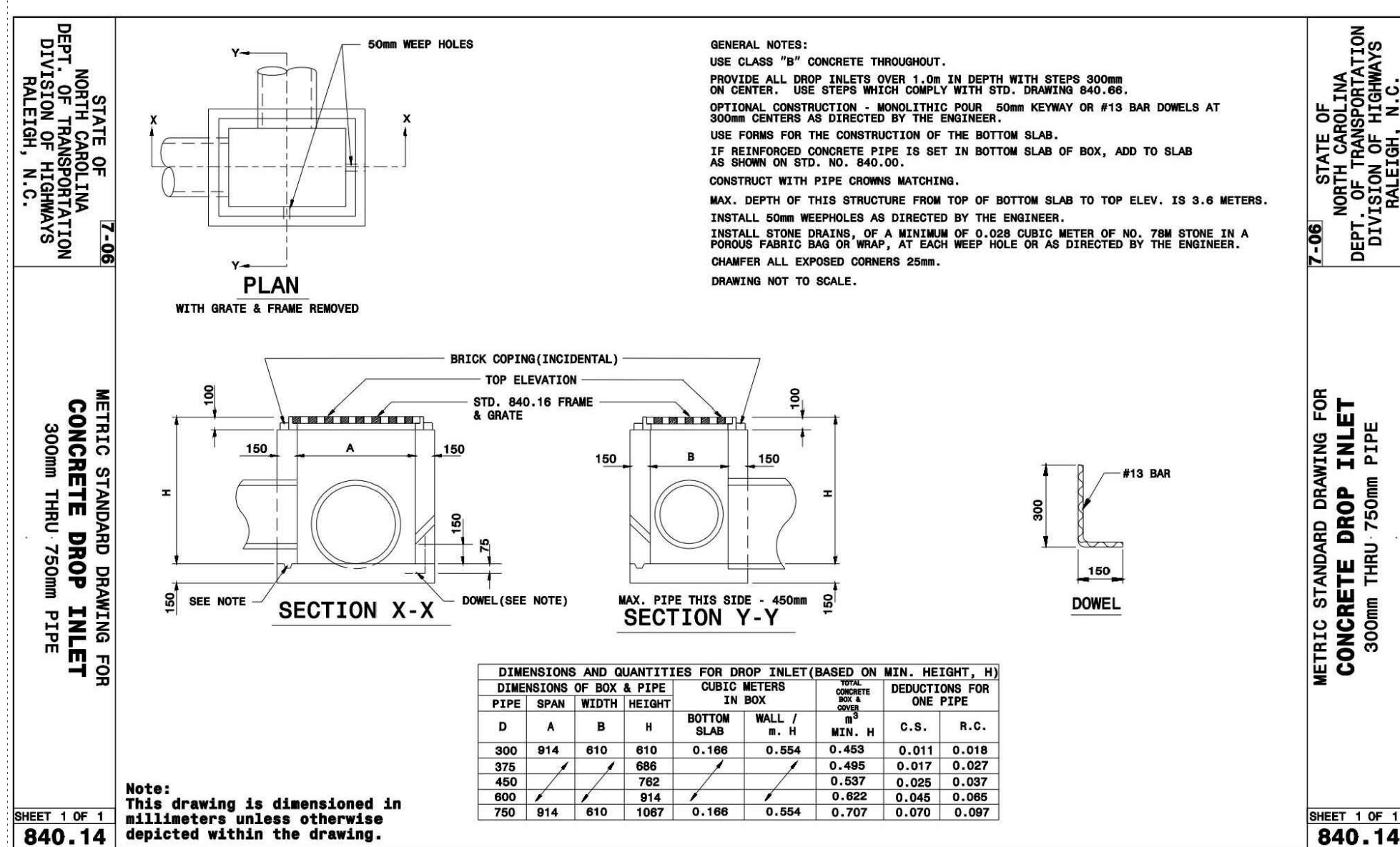
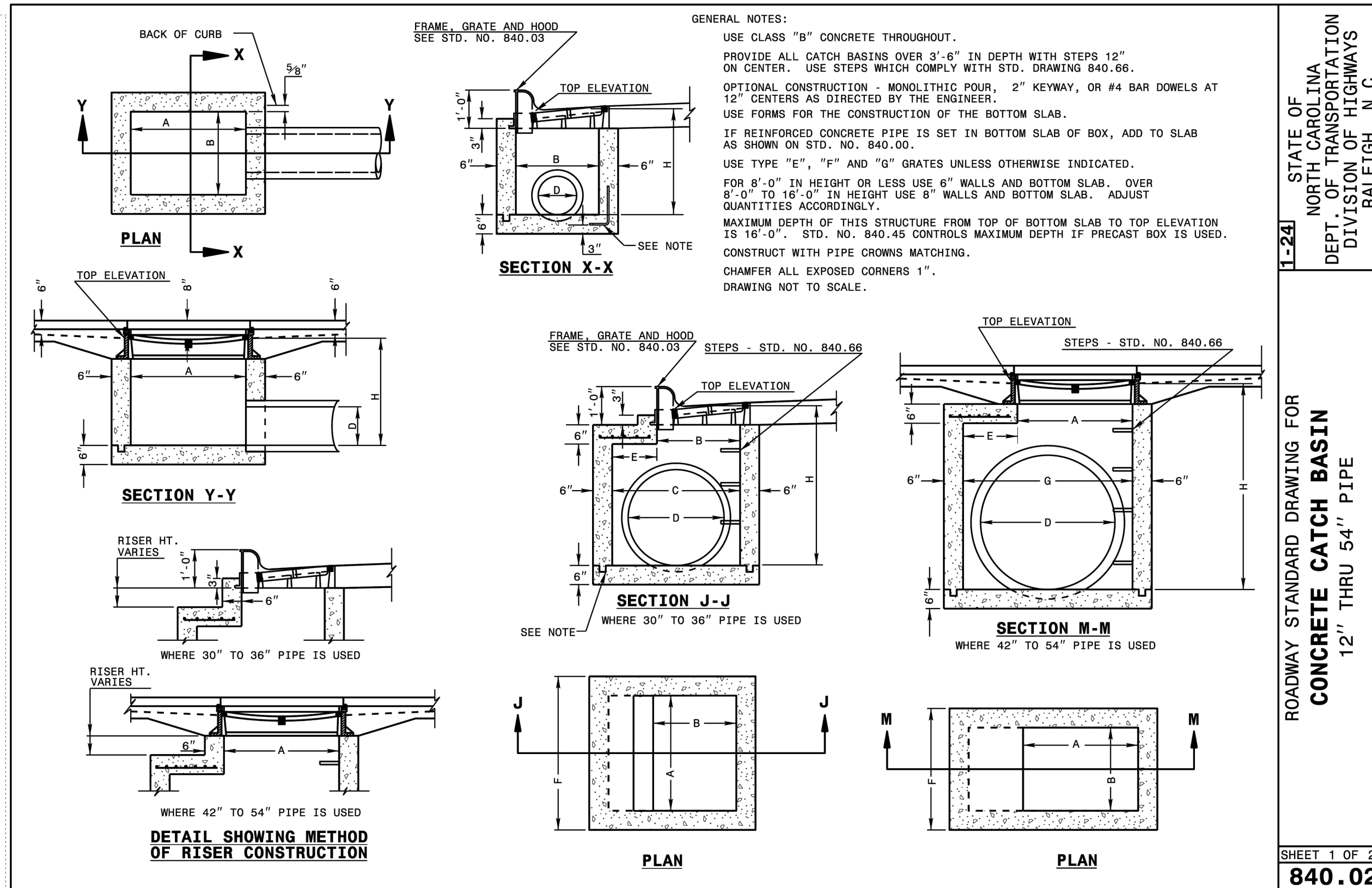
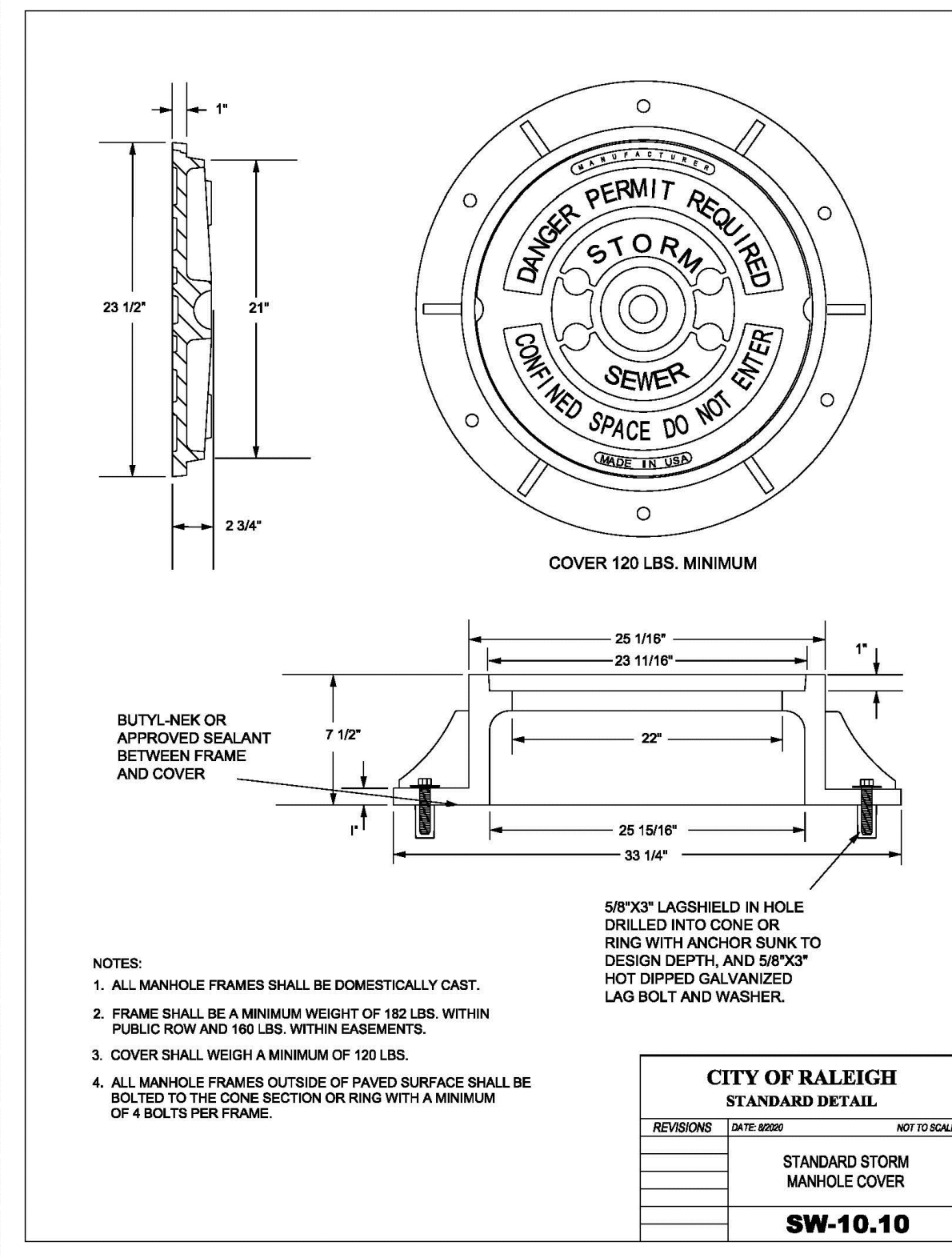
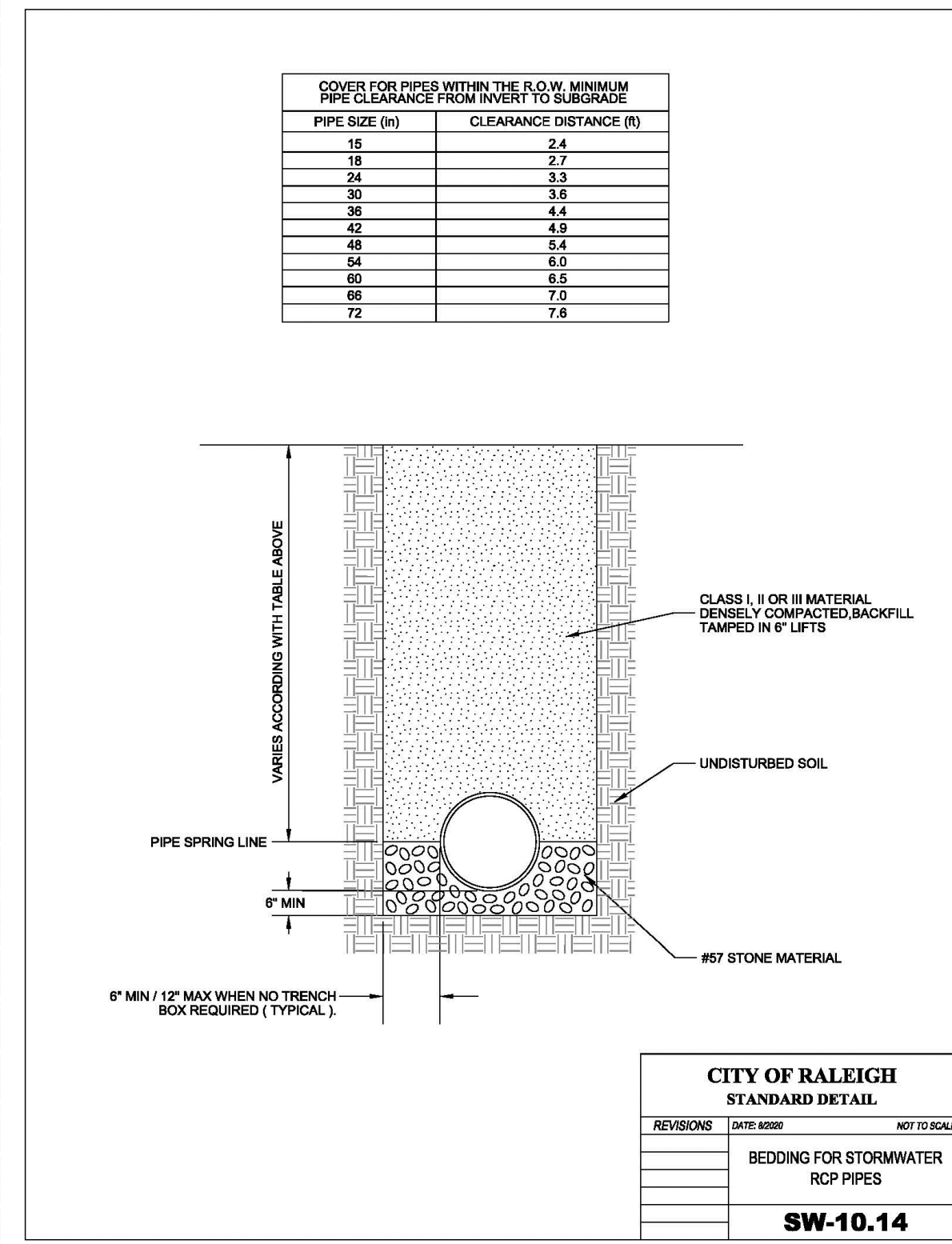


REVISIONS	DATE	BY	NOT TO SCALE

CITY OF RALEIGH
STANDARD DETAIL
CONCRETE SIDEWALK
T-30.01

NOTES:

1. TRANSVERSE EXPANSION JOINTS TO BE A MAXIMUM OF 50 FEET.
2. ALL CONCRETE TO BE 3000 PSI AND FINISHED WITH CURING COMPOUND.
3. A 6 INCH DEPTH IS REQUIRED AT LOCATIONS OF DRIVEWAY CROSSINGS, AT STREET INTERSECTIONS (ALONG THE LENGTH OF RADIUS CURB RETURNS), AND IN THE HANDICAP RAMPS.



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REV	DESCRIPTION	DATE

**GORALEIGH OPERATIONS AND
MAINTENANCE FACILITY
(POOLE ROAD) EXPANSION**

4104 POOLE ROAD
RALEIGH, NC 27610

CITY OF RALEIGH, NORTH CAROLINA



PROFESSIONAL SEAL

SHEET NAME
STORM DRAINAGE DETAILS

DESIGNED BY: SJC

DRAWN BY: WHM

CHECKED BY: LAW

DATE: 11.01.2024

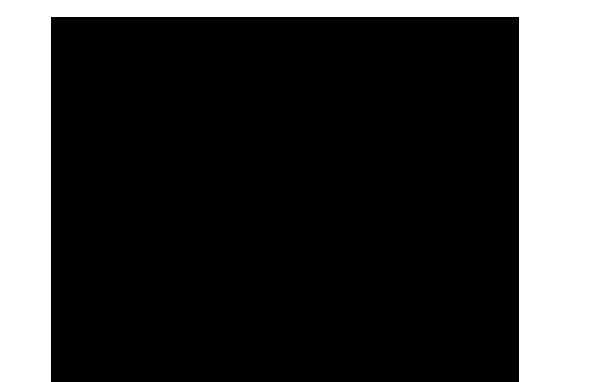
SCALE: NTS

FULL SCALE SHEET SIZE= ANSI-D (22x34")

SHEET NUMBER
C8.01

REV	DESCRIPTION	DATE

GORALEIGH OPERATIONS AND MAINTENANCE FACILITY (POOLE ROAD) EXPANSION
 4104 POOLE ROAD
 RALEIGH, NC 27610
 CITY OF RALEIGH, NORTH CAROLINA



PROFESSIONAL SEAL
 SHEET NAME
STORM DRAINAGE DETAILS

DESIGNED BY: SJC
 DRAWN BY: WHM
 CHECKED BY: LAW
 DATE: 11.01.2024
 SCALE: NTS

DIMENSIONS OF BOX AND PIPE		COVER DIMENSION		CU. YDS. CONC. IN BOX		DEDUCTIONS ONE PIPE	
PIPE DIA.	SPAN	WIDTH	MIN. HEIGHT	TOP	BOTTOM	TOTAL	C.M.
12"	3'-0"	2'-2"	2'-9"	0.235	0.772	0.015	0.006
15"	3'-0"	2'-2"	3'-0"	0.235	0.629	0.023	0.036
18"	3'-0"	2'-2"	3'-3"	0.235	0.887	0.033	0.049
24"	3'-0"	2'-2"	3'-9"	0.235	1.001	0.059	0.085
30"	3'-0"	2'-2"	4'-3"	1'-2"	4'-0"	4	1'-5"
36"	3'-0"	2'-2"	3'-10"	4'-9"	1'-8"	4'-0"	4
42"	3'-0"	2'-2"	4'-5"	5'-3"	1'-8"	3'-2"	4
48"	3'-0"	2'-2"	5'-0"	5'-9"	2'-0"	3'-2"	4
54"	3'-0"	2'-2"	5'-7"	6'-3"	2'-7"	3'-2"	4

* RISER HAS .228 CUBIC YARDS OF CONCRETE PER FOOT HEIGHT

1-241 STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
 ROADWAY STANDARD DRAWING FOR CONCRETE CATCH BASIN 12" THRU 54" PIPE
 SHEET 2 OF 2
840.02

DETAIL SHOWING TYPES OF GRATES USE ACCORDING TO WATER FLOW.

SECTION A-A TYPE - E

SECTION A-A TYPE G

1-241 STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
 ROADWAY STANDARD DRAWING FOR FRAME, GRATES, AND HOOD FOR USE ON STANDARD CATCH BASIN
 SHEET 2 OF 2
840.03

NOTE: USE TYPE "E", "F" AND "G" GRATE UNLESS OTHERWISE NOTED.

SECTION - BB

SECTION - LL

SECTION - MM

SECTION - JJ

SECTION - KK

SECTION - RR

HOOD ELEVATION

1-241 STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
 ROADWAY STANDARD DRAWING FOR FRAME, GRATES, AND HOOD FOR USE ON STANDARD CATCH BASIN
 SHEET 1 OF 2
840.03

PARTIAL SECTION

PLAN

SECTION X-X

SECTION Y-Y

DETAIL OF HANDLE

BILL OF MATERIALS			
MASONRY			
TOP SLAB CONCRETE CLASS "A"	.037YDS ³	PER FT ²	
BRICK MASONRY	.025YDS ³	PER FT ²	
REINFORCING STEEL			
	7.64LBS	PER FT ²	
MANHOLE OPTION QUANTITIES			
SIZE	QTY.	LENGTH	REINF. STEEL LBS.
#5 DIAG.	8	1'-1"	9.04

CONTRACT STANDARDS AND DEVELOPMENT UNIT
 OFFICE 310-705-0555 FAX 310-705-4119
 DETAIL TO CONVERT EXISTING TRAFFIC BEARING DROP INLET OR CATCH BASIN TO TRAFFIC BEARING JUNCTION BOX (MANHOLE OPTIONAL)
 ORIGINAL BY: S.J.C. DATE: 11-20-2000
 DESIGNED BY: E.E.R. DATE: 06-09-2001
 CHECKED BY: S.J.C. DATE: 06-09-2001
 FILE: 01-11-2001-01-11-2001-01-11-2001

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

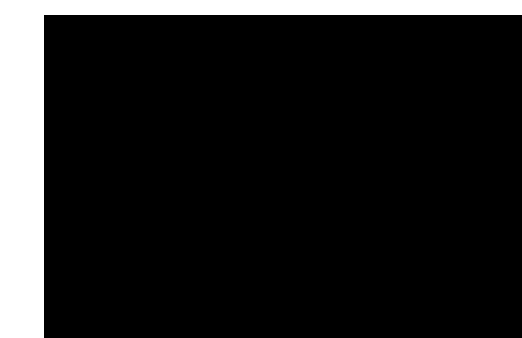
ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT CITY OF RALEIGH AND NCDOT ENGINEERING DESIGN AND CONSTRUCTION STANDARDS

BUY AMERICA PROGRAM REQUIREMENTS

ALL PRODUCTS PROVIDED ON THIS PROJECT MUST BE MANUFACTURED IN COMPLIANCE WITH THE BUY AMERICA PROGRAM FOR FEDERALLY FUNDED TRANSPORTATION PROJECTS PER CODE OF FEDERAL REGULATIONS 49 CFR 661. THESE REQUIREMENTS ARE DISTINCT AND DIFFERENT FROM THOSE OF THE BUY AMERICAN ACT OF 1933.

REV	DESCRIPTION	DATE

**GORALEIGH OPERATIONS AND
 MAINTENANCE FACILITY
 (POOLE ROAD) EXPANSION**
 4104 POOLE ROAD
 RALEIGH, NC 27610
 CITY OF RALEIGH, NORTH CAROLINA



PROFESSIONAL SEAL

SHEET NAME
SEWER DETAILS

DESIGNED BY: SJC

DRAWN BY: WHM

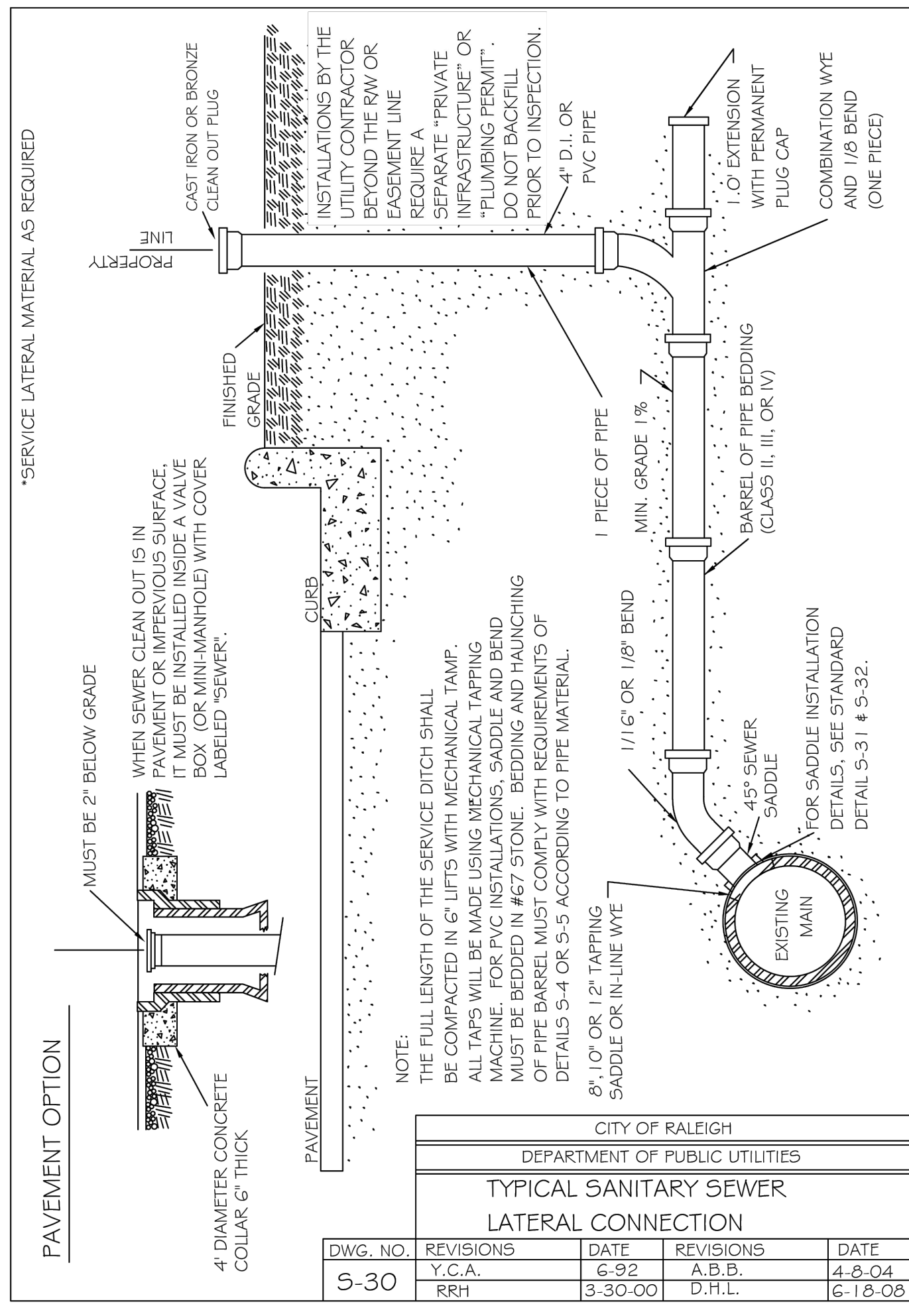
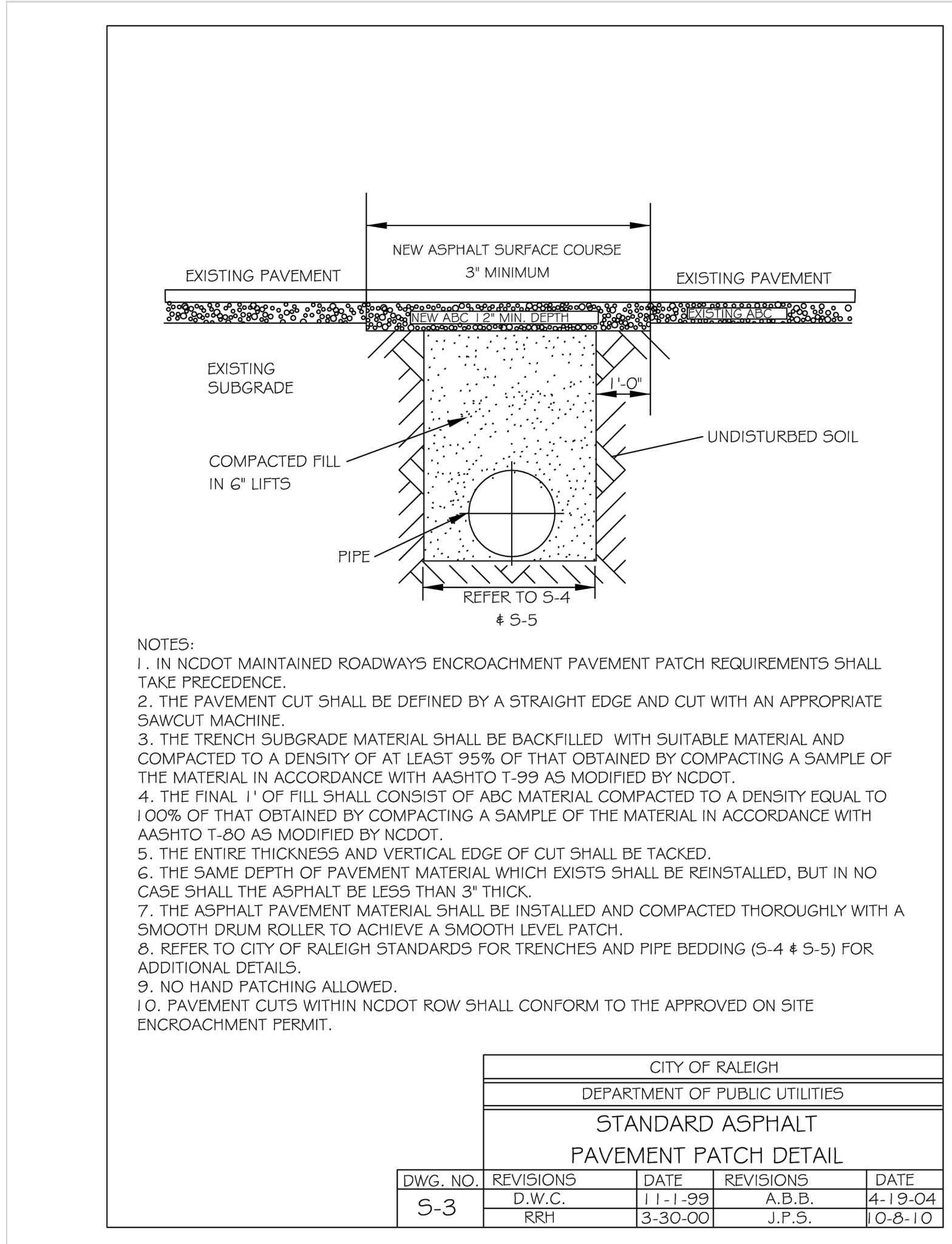
CHECKED BY: LAW

DATE: 11.01.2024

SCALE: NTS

FULL SCALE SHEET SIZE= ANSI-D (22x34")

SHEET NUMBER **C8.03**



SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

STORMWATER CONTROL MEASURE 'A' CONSTRUCTION SPECIFICATIONS

GENERAL NOTES

- PRIOR TO CONSTRUCTION, ANY DISCREPANCIES IN THE PLANS AND NOTES SHALL BE BROUGHT TO THE DESIGN ENGINEER'S ATTENTION IMMEDIATELY. IF THE CONTRACTOR, IN THE COURSE OF WORK, FINDS ANY DISCREPANCIES IN THE PLANS OR NOTES GIVEN BY THE PROJECT ENGINEER, IT SHALL BE THEIR DUTY TO IMMEDIATELY INFORM THE PROJECT ENGINEER IN WRITING. ANY WORK DONE AFTER SUCH A DISCOVERY, UNTIL AUTHORIZED, WILL BE AT THE CONTRACTOR'S RISK.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY LICENSES AND PERMITS REQUIRED TO COMPLETE THE WORK INCLUDED IN THE CONTRACT DOCUMENTS AT THE CONTRACTOR'S EXPENSE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THEY AND THEIR SUBCONTRACTORS HAVE THE CORRECT AND MOST UP-TO-DATE PLANS AVAILABLE.
- THE PROJECT WILL MEET ALL RELEVANT DESIGN REQUIREMENTS IN THE NCDEQ MANUAL AND THE [LOCAL JURISDICTION] REGULATIONS AND STANDARDS.
- ALL OSHA REQUIREMENTS FOR EXCAVATIONS (SHORING, DEPTH, ETC.) ARE THE RESPONSIBILITY OF THE CONTRACTOR. IF REQUIRED, THE CONTRACTOR SHALL PROVIDE AN EXCAVATION PLAN TO BE SEALED BY A N.C.P.E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE IF AN EXCAVATION PLAN IS REQUIRED. THE JOHN R. MCADAMS COMPANY ASSUMES NO RESPONSIBILITY FOR ANY EXCAVATION DESIGN RELATED TO SAFETY OR OSHA REQUIREMENTS.
- MANUFACTURER OR AUTHORIZED SUPPLIER TO SUBMIT SHOP DRAWINGS FOR FILTERRA SYSTEM FOR APPROVAL. DRAWINGS SHALL INCLUDE PRINCIPAL DIMENSIONS, ENGINEERED BIOFILTRATION MEDIA PLACEMENT, LOCATION OF PIPING AND UNIT FOUNDATION.
 - MANUFACTURER OR AUTHORIZED SUPPLIER SHALL SUBMIT INSTALLATION INSTRUCTIONS TO THE CONTRACTOR.
 - MANUFACTURER OR AUTHORIZED SUPPLIER SHALL SUBMIT OPERATIONS AND MAINTENANCE MANUAL TO THE ENGINEER.
 - BEFORE INSTALLATION OF THE FILTERRA SYSTEM, CONTRACTOR SHALL OBTAIN THE WRITTEN APPROVAL OF THE ENGINEER OF RECORD FOR THE SHOP DRAWINGS.
- THE DESIGN ENGINEER OR THEIR REPRESENTATIVE SHALL BE ON SITE FOR THE INSTALLATION OF ESSENTIAL ELEMENTS OF STORMWATER CONTROL MEASURE INCLUDING BUT NOT LIMITED TO THE FLOW SPLITTERS, UNDERDRAIN CONNECTIONS, VAULT, AND TREE/PLANTINGS. THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER 72 HOURS PRIOR TO INSTALLATION OF THESE ITEMS TO ENSURE THAT A REPRESENTATIVE CAN BE ON SITE. PHOTOGRAPHS OF THESE ITEMS MUST BE TAKEN PRIOR TO BACKFILLING FOR USE IN THE AS-BUILT PHASE. IF THE CONTRACTOR INSTALLS THESE ITEMS WITHOUT THE ENGINEER OR ENGINEER'S REPRESENTATIVE ON SITE, THEN THE ELEMENTS SHALL BE UNCOVERED FOR INSPECTION AT THE CONTRACTOR'S EXPENSE.
- KEY MEASUREMENTS FOR EACH STORMWATER CONTROL ARE LISTED BELOW
 - SCM A
 - FILTERRA MEDIA SURFACE AREA: 24 SF
 - VAULT SIZE: 4 FT W X 8 FT L
 - RCP INLET PIPE SIZE: 18 IN
INV: _____
 - RCP OUTLET PIPE SIZE: 24 IN
INV: _____
- ALL CONSTRUCTION ACTIVITY RELATED TO THE PROPOSED STORMWATER CONTROL MEASURE SHALL BE PER THE DETAILS AND SPECIFICATIONS SHOWN IN THESE DRAWINGS. IF ANY DEVIATIONS ARE REQUIRED, THE DESIGN ENGINEER SHALL BE NOTIFIED OF TO APPROVE ANY PROPOSED MODIFICATIONS PRIOR TO IMPLEMENTATION.
- THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER WHEN INSTALLATION IS COMPLETE SO A SYSTEM "ACTIVATION" INSPECTION CAN BE SCHEDULED. "ACTIVATION" OF THE FILTERRA WILL BE PROVIDED BY CONTECH ENGINEERED SOLUTIONS WHEN CONSTRUCTION IS COMPLETE AND ADJOINING PAVEMENTS AND LANDSCAPING HAVE BEEN INSTALLED.
- THE FILTERRA SYSTEM SHALL NOT BE USED AS A TEMPORARY EROSION CONTROL DEVICE DURING CONSTRUCTION.
- IT IS ANTICIPATED THAT DEWATERING MAY BE NECESSARY IN THE EXCAVATION AREAS (E.G. - SUB GRADE, INTERIOR PORTIONS OF THE STORMWATER CONTROL MEASURE, ETC.). THEREFORE, THE CONTRACTOR SHALL FURNISH, INSTALL, OPERATE, AND MAINTAIN ANY PUMPING EQUIPMENT, ETC. NEEDED FOR REMOVAL OF WATER FROM VARIOUS PARTS OF THE STORMWATER CONTROL MEASURE SITE.
 - DURING PLACEMENT OF FILL WITHIN THESE AREAS, THE CONTRACTOR SHALL KEEP THE WATER LEVEL BELOW THE BOTTOM OF THE EXCAVATION / CONSTRUCTION AREAS.
 - THE MANNER IN WHICH THE WATER IS REMOVED SHALL BE SUCH THAT THE EXCAVATION BOTTOM AND SIDE SLOPES ARE STABLE, WITH NO SEDIMENT DISCHARGED FROM THE SITE (I.E. PUMPED WATER SHALL BE DIRECTED TO AN APPROVED EROSION CONTROL DEVICE PRIOR TO DISCHARGE).

LANDSCAPE SPECIFICATIONS

- THE GRADES SHOWN ON THIS PLAN ARE FINISHED GRADES. IF AFTER CONSTRUCTION/COMPACTION THE SOILS ADJACENT TO THE FILTERRA ARE NOT DETERMINED SUITABLE FOR PLANTING BY A LANDSCAPE PROFESSIONAL, THE CONTRACTOR SHALL AMEND THE SOIL AS DIRECTED BY A LANDSCAPE PROFESSIONAL.

COMPACTION OF SUBGRADE IN-SITU SOIL

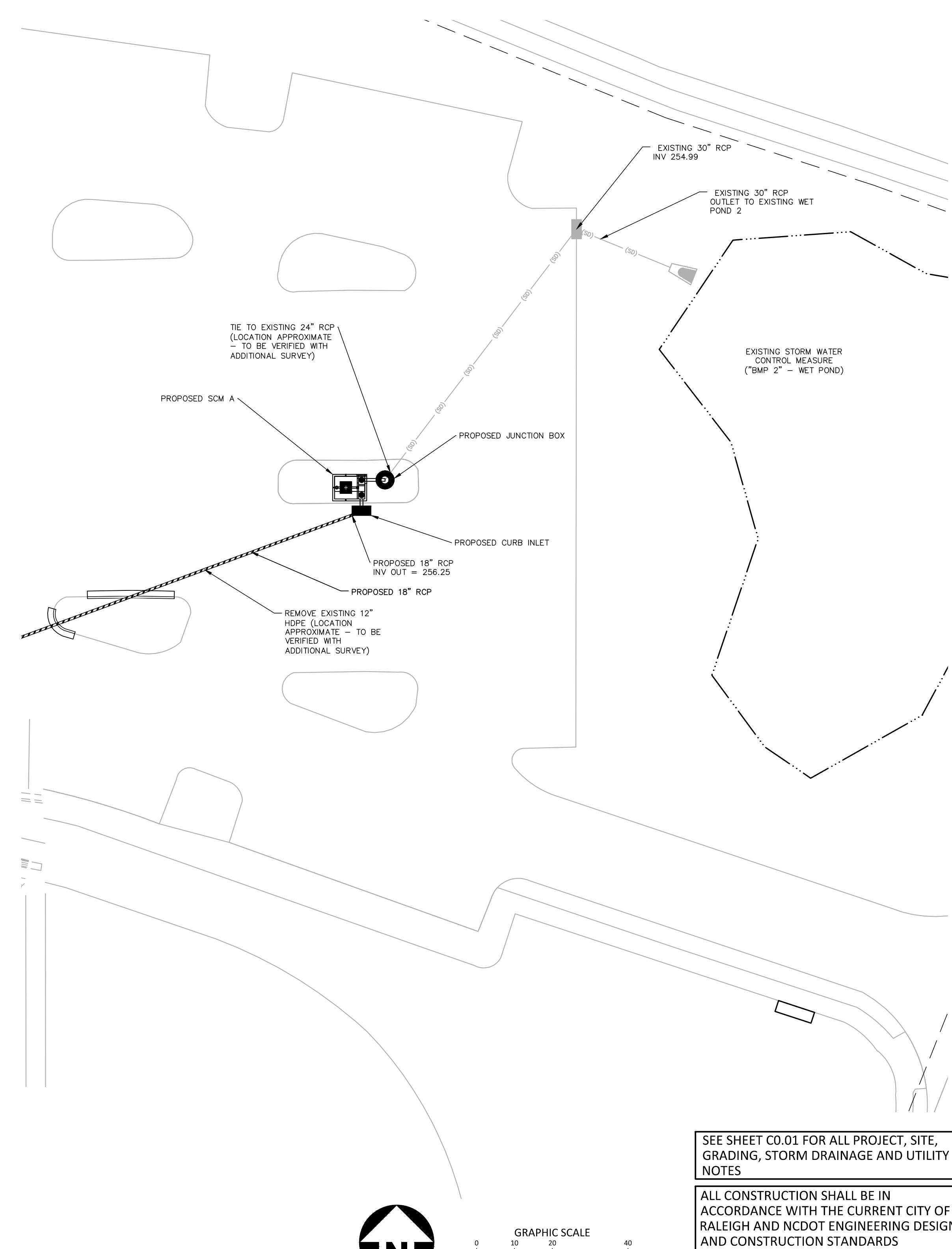
- IN ORDER TO PREVENT DAMAGE TO THE PIPE, NO COMPACTION EQUIPMENT SHALL CROSS ANY PIPE UNTIL MINIMUM COVER IS ESTABLISHED ALONG THE PIPE. CONTRACTOR SHALL COMPACT THE IN-SITU SOIL TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D-698). THE FILL SOILS SHALL BE COMPACTED AT A MOISTURE CONTENT WITHIN -1 TO +3 PERCENT OF ITS OPTIMUM MOISTURE CONTENT. COMPACTION TESTS SHALL BE PERFORMED BY THE ON-SITE GEOTECHNICAL ENGINEER DURING CONSTRUCTION TO VERIFY THAT THE PROPER COMPACTION LEVEL HAS BEEN REACHED. THE FILL SHOULD BE COMPACTED USING A SHEEPSFOOT TYPE COMPACTOR. MEDIA WITHIN THE FILTERRA SHALL NOT BE COMPACTED.

CONSTRUCTION SEQUENCE FOR BIORETENTION AREA

- PRIOR TO CONSTRUCTION AS APPLICABLE, THE OWNER SHALL OBTAIN A LAND DISTURBING (GRADING OR EROSION CONTROL) PERMIT AND AN "APPROVAL TO CONSTRUCT" FROM THE [LOCAL JURISDICTION OR STATE DEPENDENT] AND ALL OTHER NECESSARY PERMITS FROM APPLICABLE AGENCIES (E.G. 404/401 PERMITS).
- INSTALL ALL SEDIMENT AND EROSION CONTROL MEASURES PER THE APPROVED SEDIMENT AND EROSION CONTROL PLAN. THE CONTRACTOR SHALL MAINTAIN ALL APPROVED SEDIMENT AND EROSION CONTROL MEASURES THROUGHOUT THE ENTIRE PROJECT SITE AND DURATION, AS REQUIRED. THE CONTRACTOR SHALL RECEIVE APPROVAL FROM THE EROSION CONTROL INSPECTOR, AS REQUIRED BY GOVERNING AGENCIES, PRIOR TO ANY CLEARING.
- THE AREAS ON WHICH ANY FILL IS TO BE PLACED SHALL BE CLEARED AND STRIPPED OF TOPSOIL, TREES, ROOTS, VEGETATION, AND OTHER OBJECTIONABLE MATERIAL GREATER THAN 6-IN IN SIZE. THE AREAS ON WHICH FILL IS TO BE PLACED SHALL BE SCARIFIED AT LEAST 6 IN DEEP PRIOR TO PLACEMENT OF NEW FILL.
- FOUNDATION AREAS MAY REQUIRE UNDERCUTTING OF COMPRESSIBLE AND/OR UNSUITABLE SOILS IN ADDITION TO THAT INDICATED ON THE PLANS. ALL SUCH UNDERCUTTING SHALL BE PERFORMED AT THE DISCRETION OF THE GEOTECHNICAL ENGINEER AND SHALL BE MONITORED AND DOCUMENTED. IN NO CASE SHALL THERE BE AN ATTEMPT TO STABILIZE ANY PORTIONS OF THE FOUNDATION SOILS WITH CRUSHED STONE.
- TREATMENT OF SEEPAGE AREAS, SUBGRADE PREPARATION, FOUNDATION DEWATERING AND ROCK FORMATION PREPARATION (I.E., TREATMENT WITH SLUSH GROUTING, DENTAL CONCRETE, ETC.) MAY BE REQUIRED AT THE DISCRETION OF THE GEOTECHNICAL ENGINEER. ALL SUCH ACTIVITIES SHALL BE CLOSELY MONITORED AND DOCUMENTED BY THE GEOTECHNICAL ENGINEER.
- THE FILTERRA INSTALLATION, AND OUTLET CONNECTIONS WILL BE CONSTRUCTED ONCE THE EROSION CONTROL PHASE IS COMPLETE.
- ONCE THE UPSTREAM DRAINAGE AREA IS STABILIZED AND THE EROSION CONTROL INSPECTOR APPROVES THE REMOVAL OF EROSION CONTROL MEASURES, THE CONTRACTOR SHALL REMOVE ALL SEDIMENT, TRASH, ETC. FROM THE FILTERRA AREA, WHICH SHALL BE DISPOSED OF PROPERLY (I.E., PLACED IN A LANDFILL) AND NOT STOCKPILED IN AN AREA WHERE WATER QUALITY COULD BE ADVERSELY IMPACTED.
- ONCE THE FILTERRA AREA IS CLEANED OUT, THE FINAL EXCAVATION TO THE BOTTOM OF THE OUTLET PIPE OR OTHER LOWEST ELEVATION WITHIN THE FILTERRA AREA MAY BE COMPLETED.
- PRIOR TO SCHEDULING FILTERRA "ACTIVATION", THE CONTRACTOR SHALL REQUEST AN ON-SITE MEETING WITH THE DESIGN ENGINEER'S REPRESENTATIVE AND THE EROSION CONTROL INSPECTOR TO ENSURE THE UPSTREAM DRAINAGE AREA IS COMPLETELY STABILIZED (I.E. GOOD VEGETATIVE COVER).
- CONTRACTOR SHALL REQUEST AN ON-SITE INSPECTION FOR "ACTIVATION" OF THE FILTERRA.
- IF THE CONTRACTOR INSTALLS THE FILTERRA PRIOR TO APPROVAL FROM THE DESIGN ENGINEER AND THE EROSION CONTROL INSPECTOR, AND THE FILTERRA FAILS TO FUNCTION PROPERLY (I.E. IT WILL NOT DRAIN DUE TO SEDIMENT DEPOSITION) DUE TO AN UNSTABILIZED UPSTREAM DRAINAGE AREA, THE FILTERRA MEDIA SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

STATEMENT OF RESPONSIBILITY

ALL REQUIRED MAINTENANCE AND INSPECTIONS OF THIS FACILITY SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER, PER THE EXECUTED OPERATION AND MAINTENANCE AGREEMENT FOR THIS FACILITY.



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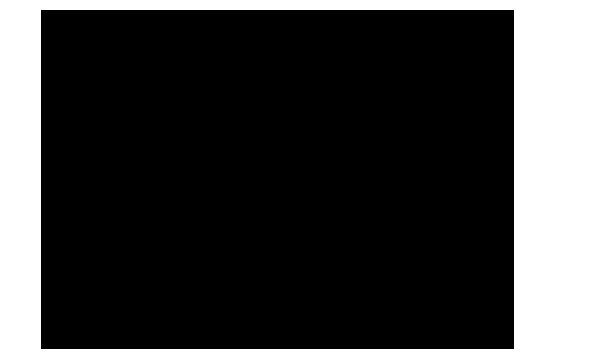


PRIME CONSULTANT:
wsp WSP USA
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 434 Fayetteville Street
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 Tel: +1 919 836 4040
 wsp.com

SUBCONSULTANT:
 The John R. McAdams Company, Inc.
 621 Hillsborough St
 Suite 500
 Raleigh, NC 27603
 phone 919 833 4300
 fax 919 363 2369
 license number: C-0293, C-187
 www.mcadamsco.com

REV	DESCRIPTION	DATE

GORALEIGH OPERATIONS AND MAINTENANCE FACILITY (POOLE ROAD) EXPANSION
 4104 POOLE ROAD
 RALEIGH, NC 27610
 CITY OF RALEIGH, NORTH CAROLINA



PROFESSIONAL SEAL

SHEET NAME
SCM A - PLAN

DESIGNED BY: KEB
 DRAWN BY: KEB/RMB
 CHECKED BY:
 DATE: 11.01.2024
 SCALE: 1"=20'

FULL SCALE SHEET SIZE= ANSI-D (22x34")

SHEET NUMBER
C9.00

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 LAST EDITED:
 FILE PATH:

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STORMWATER CONTROL MEASURE 'A' CONSTRUCTION SPECIFICATIONS



PRIME CONSULTANT:
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 434 Fayetteville Street
 Raleigh, NC 27604
 Tel.: +1 919 836
 4040 wsp.com

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 phone 919 833 4300
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REV	DESCRIPTION	DATE

GORALEIGH OPERATIONS AND MAINTENANCE FACILITY (POOLE ROAD) EXPANSION
 4104 POOLE ROAD
 RALEIGH, NC 27610
 CITY OF RALEIGH, NORTH CAROLINA

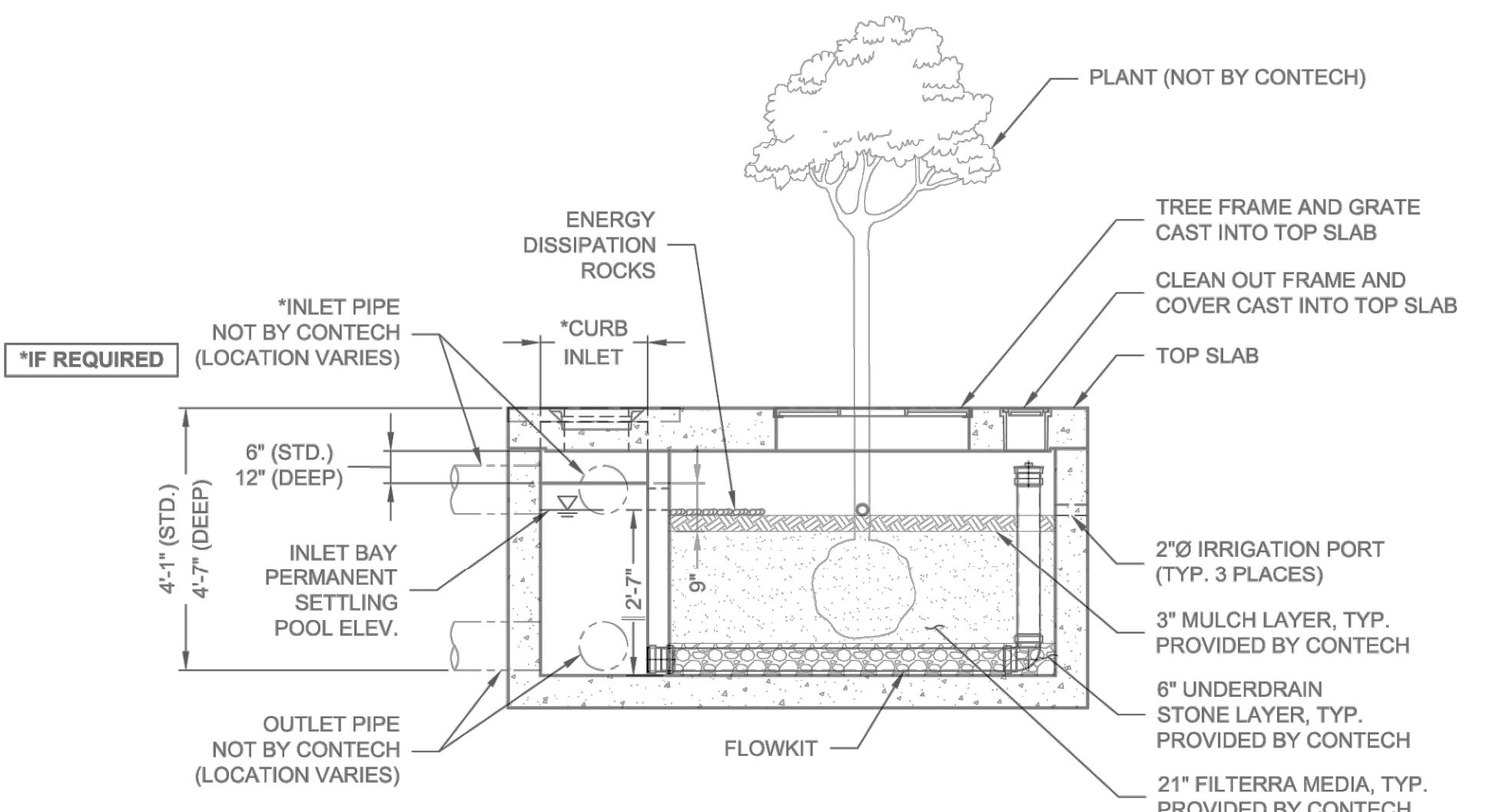
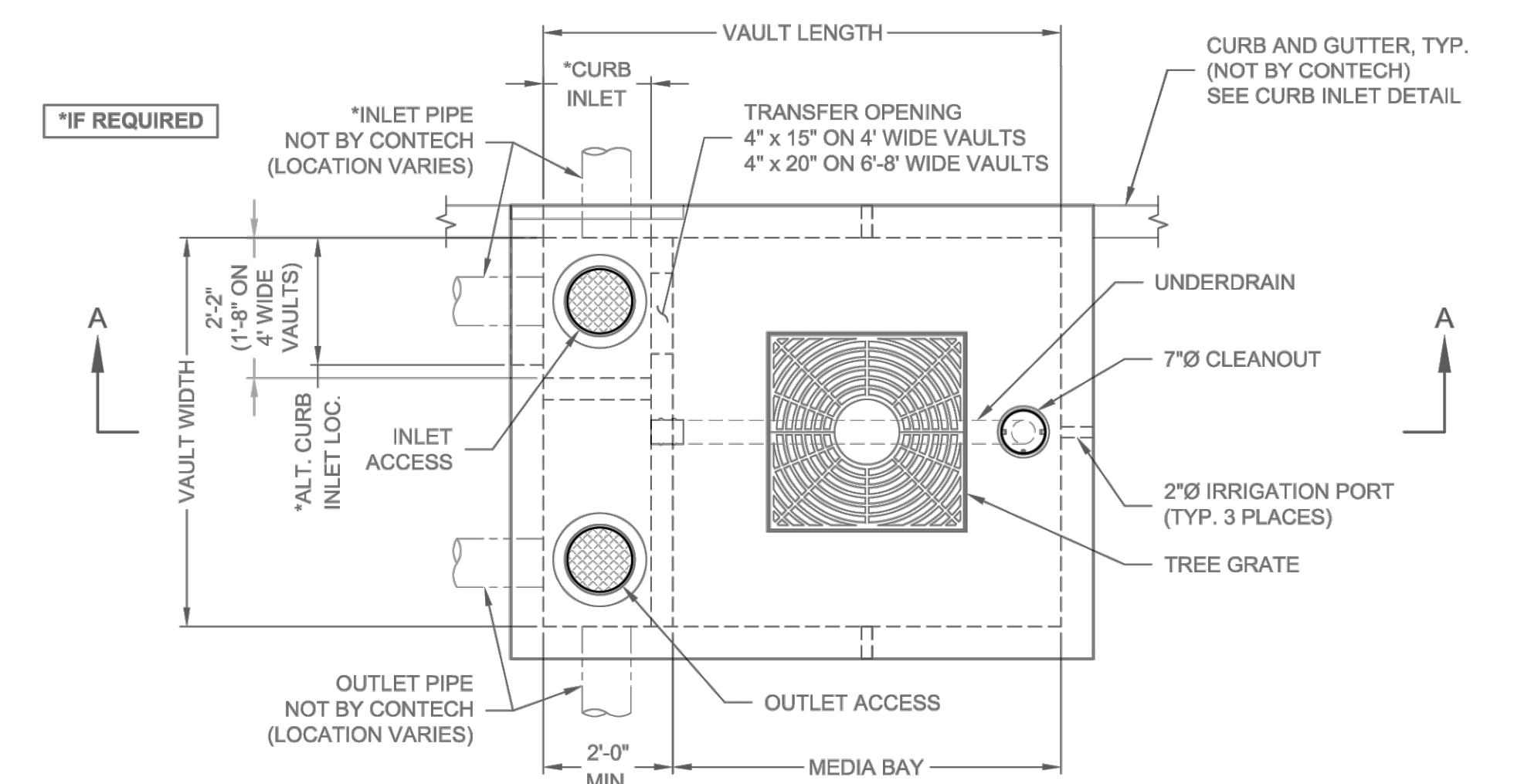
NOT FOR CONSTRUCTION

PROFESSIONAL SEAL
 SHEET NAME
SCM A - DETAILS

DESIGNED BY: KEB
 DRAWN BY: KEB/RMB
 CHECKED BY:
 DATE: 11.01.2024
 SCALE: 1"=20'

SHEET NUMBER
C9.01

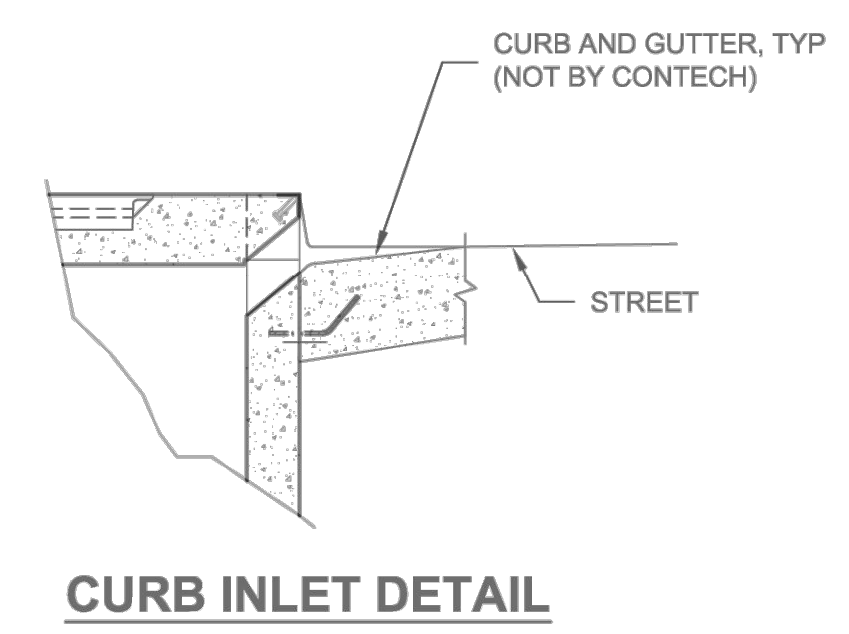
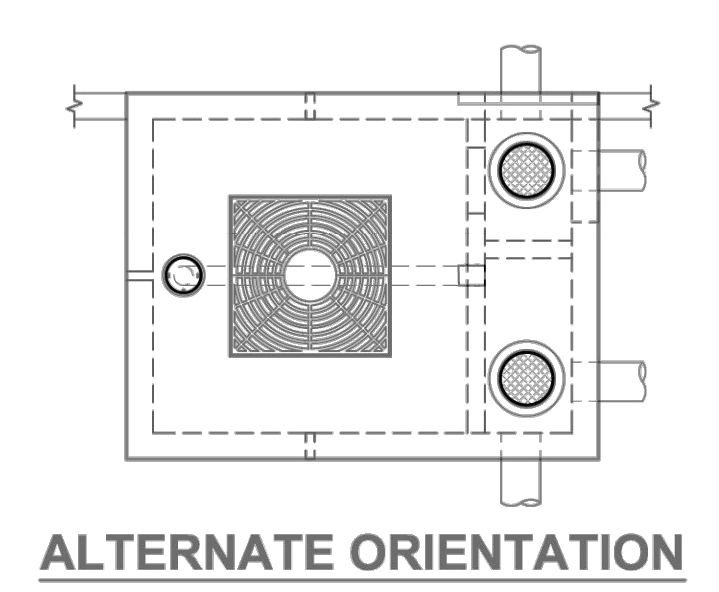
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FTPD CONFIGURATION
 (OPTIONS: DEEP "-D", THROAT INLET "-T", PIPE INLET "-P", PIPE AND THROAT INLET "-PT")

MODEL NAME	PART NUMBER	AVAILABILITY	MEDIA AREA (SF)	MEDIA BAY SIZE	VAULT SIZE (W x L)	WEIR LENGTH/ MAX. CURB OPENING	*MAX. BYPASS FLOW (CFS) STD / DEEP	INLET/ OUTLET ACCESS DIA.	TREE GRATE QTY. AND SIZE
FTPD 4x4 (4x6 VAULT)	FTPD0404	ALL	16	4 x 4	4 x 6	1'-8"	1.4 / 4.6	12"/12"	(1) 3' x 3'
FTPD 4x6 (4x8 VAULT)	FTPD0406	ALL (EXCEPT DE, MD, NJ, PA, VA, WV)	24	4 x 6	4 x 8	1'-8"	1.4 / 4.6	12"/12"	(1) 3' x 3'
FTPD 6x4 (6x6 VAULT)	FTPD0604	ALL (EXCEPT CA, TX)	24	6 x 4	6 x 6	1'-8"	1.4 / 4.6	12"/12"	(1) 3' x 3'
FTPD 4.5x5.8 (4.5x7.8 VAULT)	FTPD045058	DE, MD, NJ, PA, VA, WV ONLY	26	4.5 x 5.83	4.5 x 7.83	1'-8"	1.4 / 4.6	12"/12"	(1) 3' x 3'
FTPD 6x6 (6x8 VAULT)	FTPD0606	ALL	36	6 x 6	6 x 8	1'-8"	1.4 / 4.6	12"/12"	(1) 3' x 3'
FTPD 6x8 (6x10 VAULT)	FTPD0608	ALL (EXCEPT CA, TX)	48	6 x 8	6 x 10	1'-8"	1.4 / 4.6	12"/12"	(1) 4' x 4'
FTPD 8x7 (8x10 VAULT)	FTPD0807	CA, TX ONLY	56	8 x 7	8 x 10	2'-6"	2.1 / 6.8	24"/24"	(1) 4' x 4'
FTPD 6x10 (6x12 VAULT)	FTPD0610	ALL (EXCEPT CA, TX)	60	6 x 10	6 x 12	1'-8"	1.4 / 4.6	12"/12"	(1) 4' x 4'
FTPD 7x10 (7x13 VAULT)	FTPD0710	ALL (EXCEPT CA, TX)	70	7 x 10	7 x 13	2'-6"	2.1 / 6.8	24"/24"	(1) 4' x 4'
FTPD 8x9 (8x12 VAULT)	FTPD0809	CA, TX ONLY	72	8 x 9	8 x 12	2'-6"	2.1 / 6.8	24"/24"	(1) 4' x 4'
FTPD 8x10.5 (8x14 VAULT)	FTPD08105	ALL	84	8 x 10.5	8 x 14	3'-0"	2.5 / 8.2	24"/24"	(1) 4' x 4'
FTPD 8x12.5 (8x16 VAULT)	FTPD08125	ALL (EXCEPT OR, WA)	100	8 x 12.5	8 x 16	3'-0"	2.5 / 8.2	24"/24"	(2) 4' x 4'
FTPD 9x11.5 (9x15 VAULT)	FTPD09115	OR, WA ONLY	103	9 x 11.5	9 x 15	3'-0"	2.5 / 8.2	24"/24"	(2) 4' x 4'

*MAX. BYPASS FLOW IS INTERNAL WEIR FLOW. CAPACITIES SHOWN ARE FOR STANDARD DEPTH AND DEEP (-D), RESPECTIVELY. SITE SPECIFIC ANALYSIS IS REQUIRED TO DETERMINE CURB INLET FLOW CAPACITY.



HIGH-FLOW PASS-TROUGH TREATMENT SCM DETAIL

INTERNAL PIPE CONFIGURATION MAY VARY DEPENDING UPON OUTLET LOCATION

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

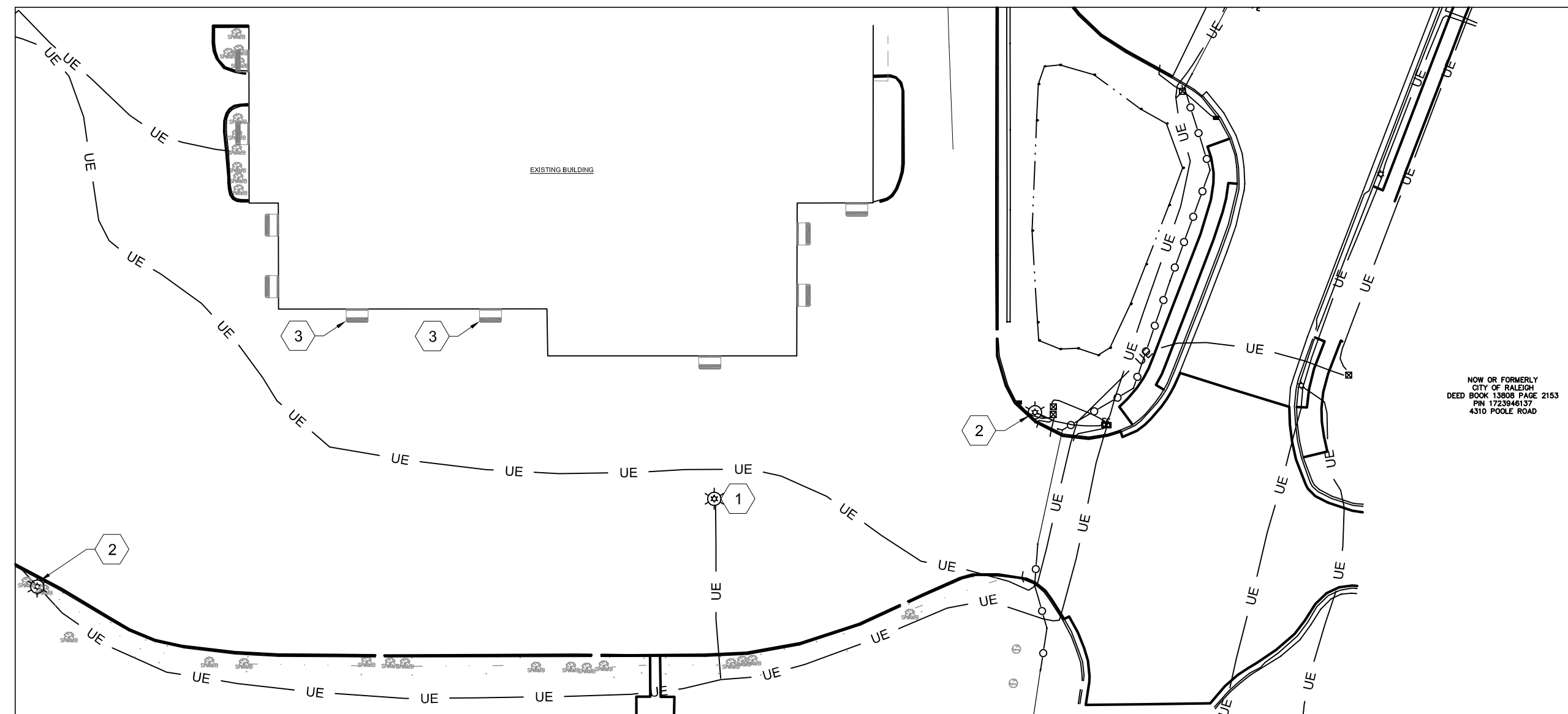
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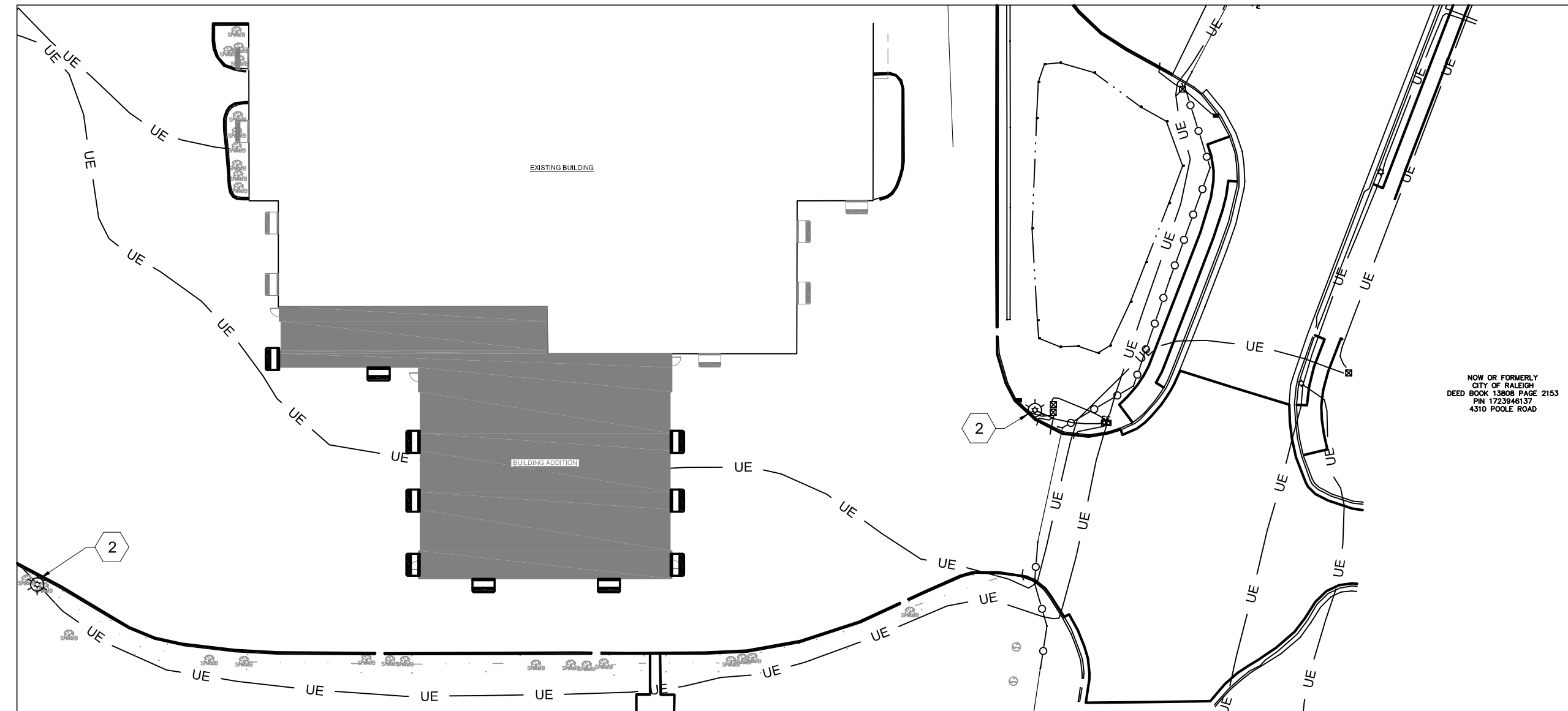
PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

LAST EDITED: X:\PROJECTS\WSP\WSP24001\04-PRODUCTION\Water Resources\Stormwater Management\Stormwater Design\Current Drawings\CD\WSP24001-SCM-A.dwg 11/7/2024 11:21:08 AM Bryden Hot FILE PATH: X:\PROJECTS\WSP\WSP24001\04-PRODUCTION\WATER RESOURCES\STORMWATER MANAGEMENT\STORMWATER DESIGN\CURRENT DRAWINGS\CD\WSP24001-SCM-A.DWG

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1 ELECTRICAL SITE PLAN - EXISTING
ES101 SCALE: 1"=40'-0"



2 ELECTRICAL SITE PLAN - NEW WORK
ES101 SCALE: 1"=40'-0"



3 NEW FULL CUTOFF WALLPACKS TO MATCH BUILDING ASTHETIC
ES101 SCALE: NO SCALE

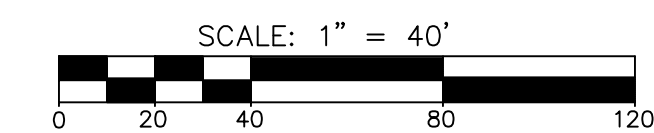
- ⊗ EXISTING FULL CUTOFF FIXTURE MOUNTED ON 30'-0" POLE
- ▭ EXISTING FULL CUTOFF WALL PACK MOUNTED AT 12'-9"
- NEW FULL CUTOFF WALL PACK TO MATCH EXISTING BUILDING AESTHETIC. MOUNTED AT 12'-9"

GENERAL NOTES:

1. THERE ARE NO NEW POLE LIGHTS WITHIN THE SCOPE OF THIS PROJECT. THE ONLY NEW LIGHTING IS BUILDING MOUNTED.
2. SEE BUILDING ELECTRICAL FLOOR PLANS FOR ADDITIONAL INFORMATION RELATED TO THE CIRCUITING AND CONTROL OF THE NEW FIXTURES.

KEYED NOTES:

- 1 EXISTING POLE MOUNTED FIXTURE TO BE DEMOLISHED. DEMOLISH FIXTURE, POLE, AND CONCRETE BASE. DEMOLISH CIRCUIT BRANCH BACK TO SOURCE.
- 2 EXISTING POLE MOUNTED FIXTURE TO REMAIN.
- 3 EXISTING WALLPACK TO BE DEMOLISHED. DEMOLISH CIRCUIT BACK TO NEAREST FIXTURE ON THE SAME CIRCUIT TO REMAIN. CIRCUIT TO BE EXTENDED FOR NEW WALL MOUNTED FIXTURES DURING NEW CONSTRUCTION.



PRIME CONSULTANT:
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 Tel: +1 919 836 4040
 wsp.com

SUBCONSULTANT:
ED ENGINEERED DESIGNS INC.
 North Carolina License # P-3001
 1151 SE Cary Parkway, Suite 200 Cary, North Carolina 27518
 P 919 851 6481 F 919 851 9703 www.engineereddesigns.com

REV	DESCRIPTION	DATE

GORALEIGH OPERATIONS AND MAINTENANCE FACILITY (POOLE ROAD) EXPANSION
 4104 POOLE ROAD
 RALEIGH, NC 27610
 CITY OF RALEIGH, NORTH CAROLINA

FOR REVIEW ONLY
 Preliminary Plans
 Not for Construction

ADMINISTRATIVE SITE REVIEW

PROFESSIONAL SEAL

SHEET NAME
 SITE LIGHTING PLAN

DESIGNED BY: CJB

DRAWN BY: CJB

CHECKED BY: CJB

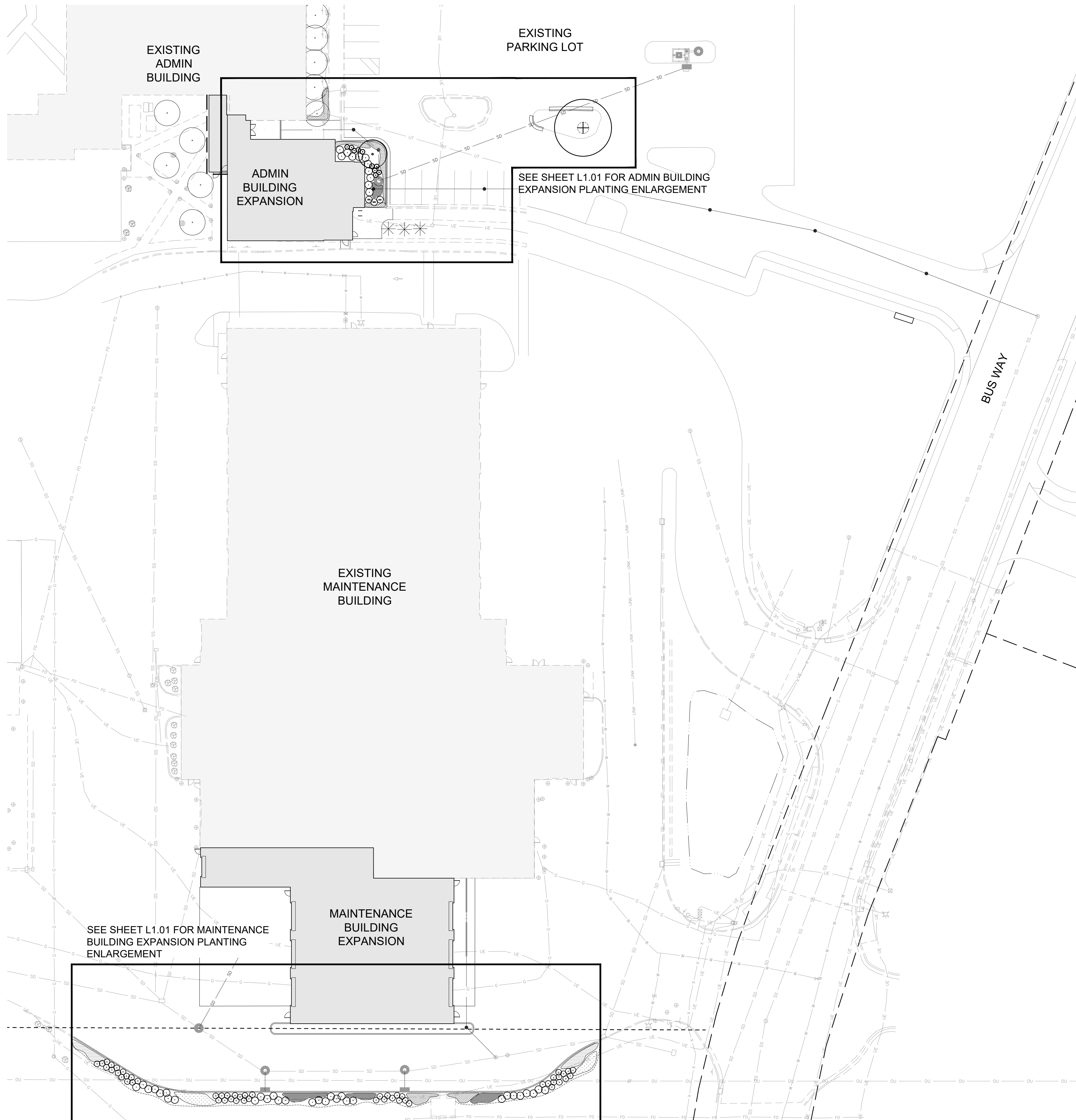
DATE: 10-25-2024

SCALE: 1" = 40'-0"

FULL SCALE SHEET SIZE= ANSI-D (22x34)

SHEET NUMBER

ES101

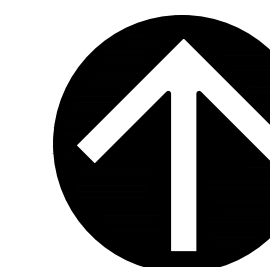


PLANTING NOTES:

1. THE LANDSCAPE PLANTING CONTRACTOR SHALL BE A LICENSED LANDSCAPE CONTRACTOR IN NC, AND SHALL PROVIDE PROOF OF LICENSE AFTER BIDDING.
2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, DEPTHS, QUANTITIES, DISTANCES, ANGLES AND SLOPES PRIOR TO ORDERING MATERIALS OR INSTALLING PROJECT.
3. CONTRACTOR SHALL ACCEPT ACTUAL CONDITIONS AT THE SITE AND PERFORM THE WORK SPECIFIED WITHOUT ADDITIONAL COMPENSATION FOR POSSIBLE VARIATION FROM GRADES AND CONDITIONS SHOWN WHETHER SURFACE OR SUBSURFACE, EXCEPT AS PROVIDED FOR BY THE CONTRACT DOCUMENTS.
4. CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM LANDSCAPE ARCHITECT FOR ANY PLANT SUBSTITUTIONS OF SPECIES, SIZES, OR TYPE OF CONTAINER.
5. CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION, AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF THESE UTILITIES DURING THE CONSTRUCTION OF THE PROJECT, AND SHALL PROMPTLY REPAIR AND RESTORE SERVICES AT NO ADDITIONAL COST TO THE OWNER.
6. THE CONTRACTOR SHALL VISIT THE SITE, FAMILIARIZE HIMSELF WITH ACTUAL CONDITIONS AND VERIFY EXISTING CONDITIONS IN THE FIELD.
7. CONTRACTOR SHALL MAINTAIN CAREFULLY ALL BENCH MARKS, MONUMENTS AND OTHER REFERENCED POINTS. IF DISTURBED OR DESTROYED, THE CONTRACTOR SHALL REPLACE AS DIRECTED AT NO ADDITIONAL COST TO THE OWNER.
8. CONTRACTOR SHALL BECOME THOROUGHLY FAMILIAR WITH THE FULL SET OF CONSTRUCTION DRAWINGS AND SPECIFICATIONS FOR COORDINATION WITH UTILITIES.
9. CONTRACTOR WILL LEAVE DISTURBED AREAS LEVEL AND RAKED SMOOTH, REMOVING ALL ROCKS AND DEBRIS.
10. IF FORMAL ARRANGEMENTS OR CONSECUTIVE ORDER OF TREES OR SHRUBS IS SHOWN, SELECT STOCK FOR UNIFORM HEIGHT AND SPREAD FROM SAME SOURCE TO ASSURE SYMMETRY IN PLANTING.
11. IF ANY EXISTING CONDITIONS OUTSIDE THE CONTRACT LIMITS, CURBS, SIDEWALKS, TURF AREAS AND PAVING ARE DAMAGED IN PERFORMANCE OF THIS WORK, THEY SHALL BE RESTORED WITHOUT EXTRA COST TO THE OWNER IN THE MANNER PRESCRIBED BY AUTHORITIES HAVING JURISDICTION.
12. CONTRACTOR SHALL REPORT ALL DISCREPANCIES TO LANDSCAPE ARCHITECT. IN CASE OF DISCREPANCY BETWEEN THE QUANTITY OF PLANTS ON THE PLANS COMPARED TO THE PLANT LIST, THE CONTRACTOR SHALL SUPPLY QUANTITIES AS DRAWN ON PLANS.
13. CONTRACTOR SHALL SEED ALL AREAS DISTURBED DURING INSTALLATION NOT SPECIFIED TO BE COVERED BY MULCH. AREAS DAMAGED FROM ACTIVITIES OF CONTRACTOR TO BE RESEEDED AND ESTABLISHED AT NO ADDITIONAL COST TO THE OWNER.
14. CONTRACTOR TO PREPARE PLANTING BEDS PER THE SPECIFICATIONS.
15. CONTRACTOR IS RESPONSIBLE FOR IMPORTING, TESTING AND PREPARING THE SOIL ON SITE PER THE SPECIFICATIONS.
16. ALL SIX FOOT MULCH RINGS AND STAND ALONE MULCH AREAS SHALL BE MULCHED WITH TRIPLE SHREDDDED HARDWOOD MULCH UNLESS OTHERWISE NOTED ON THE CONTRACT DRAWINGS.
17. MULCH WILL BE A 3" LAYER OF TRIPLE SHREDDDED HARDWOOD MULCH. ALL AREAS WITHIN PROJECT LIMITS SHALL BE EITHER PAVED, SEEDED, SODDED OR MULCHED. SUBMIT SAMPLES FOR APPROVAL.

BUY AMERICA PROGRAM REQUIREMENTS

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SCALE: 1" = 30' - 0"



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 wsp.com

SUBCONSULTANT:
 Susan Hatchell Landscape
 Architecture, PLLC
 771 W. North Street
 Raleigh, NC 27603
 Tel: +1 919 838 9600
 susanhatchell.com

REV	DESCRIPTION	DATE

**GORALEIGH OPERATIONS AND
 MAINTENANCE FACILITY
 (POOLE ROAD) EXPANSION**
 4104 POOLE ROAD
 RALEIGH, NC 27610
 CITY OF RALEIGH, NORTH CAROLINA

ADMINISTRATIVE SITE REVIEW

PROFESSIONAL SEAL	
SHEET NAME	OVERALL SITE PLAN
DESIGNED BY:	MCA/JHS
DRAWN BY:	MCA
CHECKED BY:	SMH
DATE:	11/01/2024
SCALE:	1"=30'-0"

FULL SCALE SHEET SIZE: ANSI-D (22x34")

SHEET NUMBER **L1.00**

LAST EDITED:
FILE PATH:



PRIME CONSULTANT:
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SUBCONSULTANT:
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 Landscape Architecture, PLLC
 Susan Hatchell Landscape
 Architecture, PLLC
 771 W. North Street
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 Tel: +1 919 838 9600
 susanhatchell.com

REV	DESCRIPTION	DATE

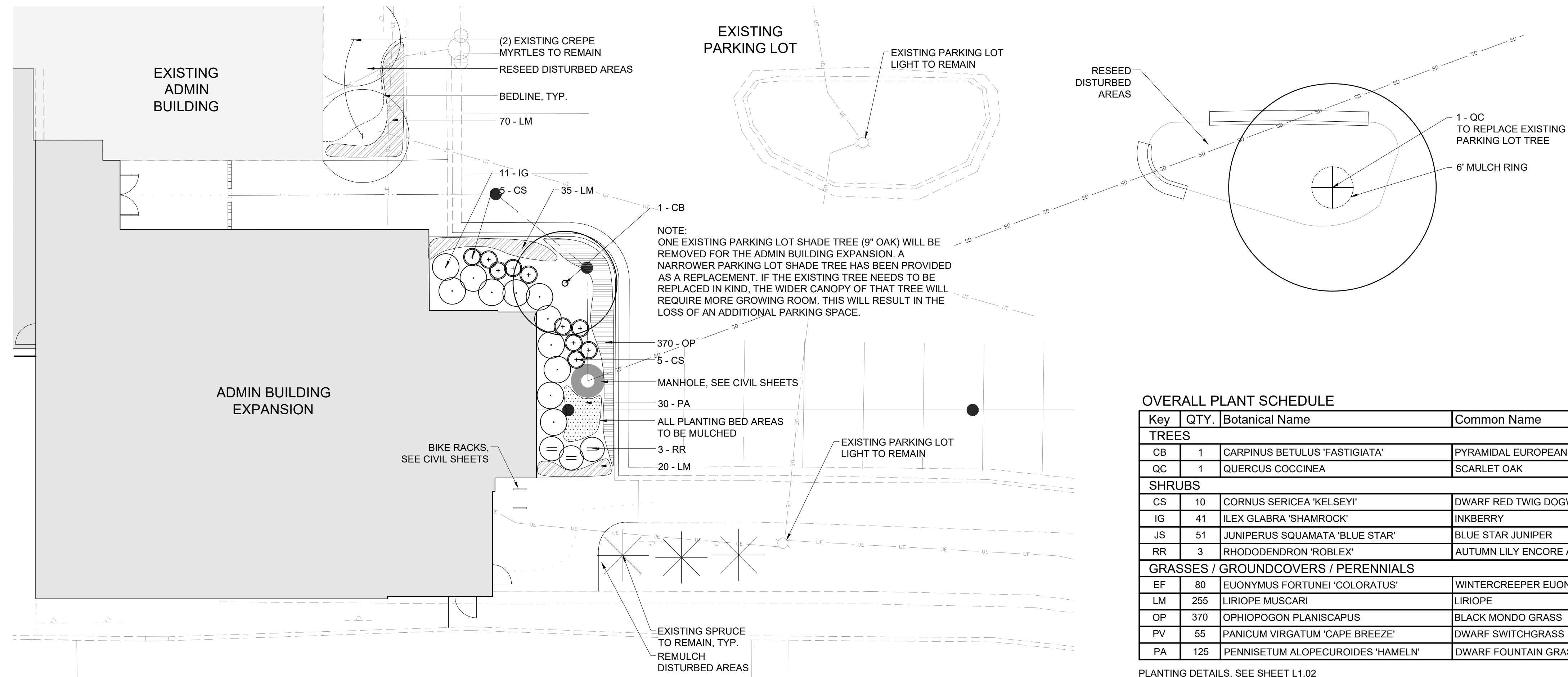
**GORALEIGH OPERATIONS AND
 MAINTENANCE FACILITY
 (POOLE ROAD) EXPANSION**
 4104 POOLE ROAD
 RALEIGH, NC 27610
 CITY OF RALEIGH, NORTH CAROLINA

ADMINISTRATIVE SITE REVIEW

PROFESSIONAL SEAL
 SHEET NAME
PLANTING PLAN
 DESIGNED BY: MCA/JHS
 DRAWN BY: MCA
 CHECKED BY: SMH
 DATE: 11/01/2024
 SCALE: 1" = 10' - 0"
FULL SCALE SHEET SIZE: ANSI-D (22x34)

SHEET NUMBER

L1.01



NOTE:
 1. CONTRACTOR SHALL MULCH ALL PLANTING BED AREAS. LIMITS OF MULCH TO BE DISCUSSED IN THE FIELD PRIOR TO INSTALLATION.

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NOTE:
 ONE EXISTING PARKING LOT SHADE TREE (9" OAK) WILL BE REMOVED FOR THE ADMIN BUILDING EXPANSION. A NARROWER PARKING LOT SHADE TREE HAS BEEN PROVIDED AS A REPLACEMENT. IF THE EXISTING TREE NEEDS TO BE REPLACED IN KIND, THE WIDER CANOPY OF THAT TREE WILL REQUIRE MORE GROWING ROOM. THIS WILL RESULT IN THE LOSS OF AN ADDITIONAL PARKING SPACE.

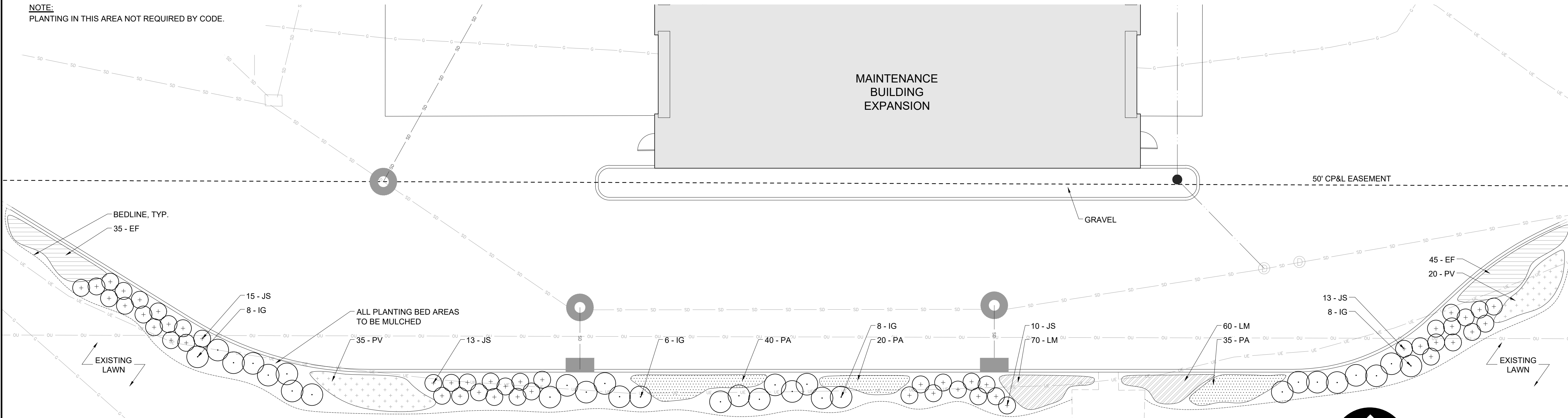
OVERALL PLANT SCHEDULE

Key	QTY.	Botanical Name	Common Name	Size	Notes / Spacing
TREES					
CB	1	CARPINUS BETULUS 'FASTIGIATA'	PYRAMIDAL EUROPEAN HORNBEAM	3" CAL., 12'-14' HT. B&B	SPECIMEN
QC	1	QUERCUS COCCINEA	SCARLET OAK	3" CAL., 12'-14' HT. B&B	SPECIMEN
SHRUBS					
CS	10	CORNUS SERICEA 'KELSEY'	DWARF RED TWIG DOGWOOD	24" HT., 7 GAL.	
IG	41	ILEX GLABRA 'SHAMROCK'	INKBERRY	18" HT., 3 GAL.	
JS	51	JUNIPERUS SQUAMATA 'BLUE STAR'	BLUE STAR JUNIPER	18" SP., 3 GAL.	
RR	3	RHODODENDRON 'ROBLEX'	AUTUMN LILY ENCORE AZALEA	18" HT., 7 GAL.	
GRASSES / GROUNDCOVERS / PERENNIALS					
EF	80	EUONYMUS FORTUNEI 'COLORATUS'	WINTERCREEPER EUONYMUS	4" POT	18" O.C.
LM	255	LIRIOPE MUSCARI	LIRIOPE	4" POT	12" O.C.
OP	370	OPHIOPOGON PLANISCAPUS	BLACK MONDO GRASS	4" POT	6" O.C.
PV	55	PANICUM VIRGATUM 'CAPE BREEZE'	DWARF SWITCHGRASS	3 GAL.	24" O.C.
PA	125	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	3 GAL.	18" O.C.

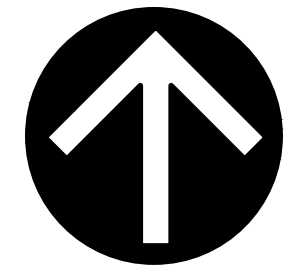
PLANTING DETAILS, SEE SHEET L1.02

ADMIN BUILDING EXPANSION PLANTING ENLARGEMENT

NOTE:
 PLANTING IN THIS AREA NOT REQUIRED BY CODE.



MAINTENANCE BUILDING EXPANSION PLANTING ENLARGEMENT



SCALE: 1" = 10' - 0"

LAST EDITED:
 FILE PATH:

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REV	DESCRIPTION	DATE

**GORALEIGH OPERATIONS AND
 MAINTENANCE FACILITY
 (POOLE ROAD) EXPANSION**
 4104 POOLE ROAD
 RALEIGH, NC 27610
 CITY OF RALEIGH, NORTH CAROLINA

ADMINISTRATIVE SITE REVIEW

PROFESSIONAL SEAL

SHEET NAME
 PLANTING DETAILS

DESIGNED BY: MCA/JHS

DRAWN BY: MCA

CHECKED BY: SMH

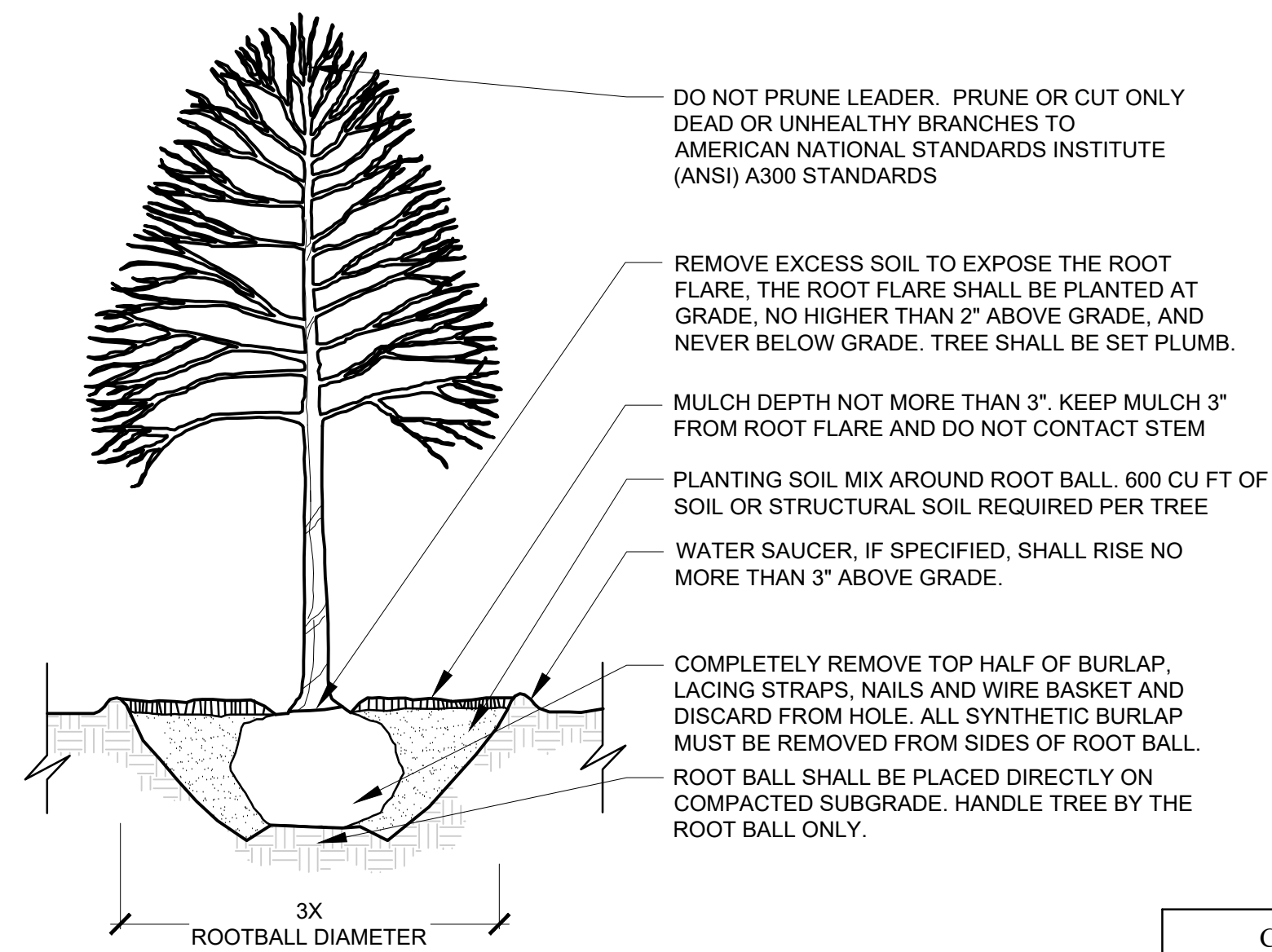
DATE: 11/01/2024

SCALE:

FULL SCALE SHEET SIZE: ANSI-D (22x34)

SHEET NUMBER

L1.02



CONTACT INFORMATION:
 CITY OF RALEIGH PARKS, RECREATION
 AND CULTURAL RESOURCES DEPARTMENT
 URBAN FORESTER:
 TREES@RALEIGHNC.GOV
 WWW.RALEIGHNC.GOV

CITY OF RALEIGH STANDARD DETAIL		
REVISIONS	DATE BY/IS	NOT TO SCALE
10/2019		
TREE PLANTING DETAIL		
TPP-03		

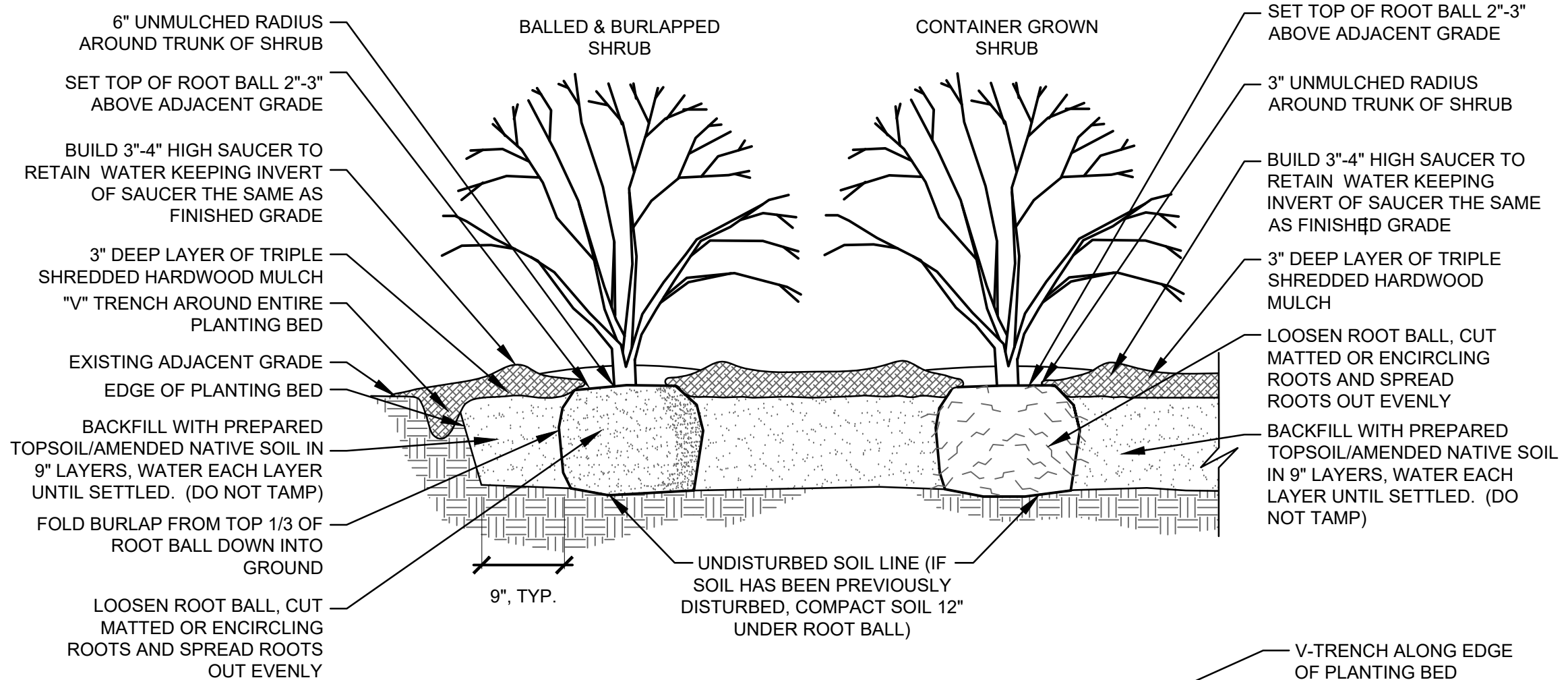
NOTES:

- TREES MUST MEET THE TREE QUALITY STANDARDS IN CH. 2 OF THE CITY TREE MANUAL.
- CONTRACTOR IS RESPONSIBLE FOR ADEQUATE DRAINAGE OF ALL PLANTING PITS. (POSITIVE DRAINAGE AWAY FROM PIT)
- TREES SHALL BE PLANTED BETWEEN OCTOBER 1ST AND APRIL 30TH.
- A TREE IMPACT PERMIT IS REQUIRED.
- ELECTRICAL OUTLETS AND OTHER UTILITIES ARE PROHIBITED IN THE PLANTING AREA IMMEDIATELY SURROUNDING THE TREE.
- IF STAKING IN ACCORDANCE WITH THE CITY TREE MANUAL, THE STAKING MUST BE REMOVED WITHIN ONE YEAR.
- TREES WILL HAVE A MINIMUM 1 YEAR WARRANTY AFTER THE INITIAL PLANTING IS APPROVED BY THE CITY.

TREE PLANTING - CITY OF RALEIGH (STANDARD DETAIL)

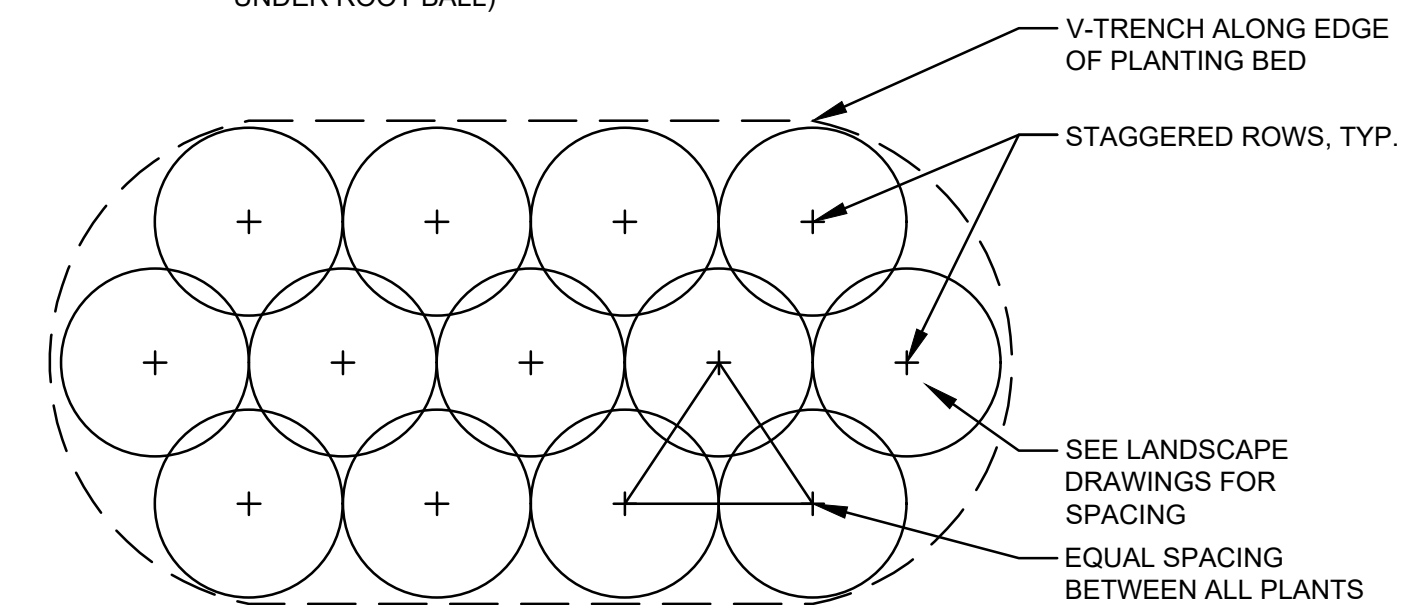
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1
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NOTES:

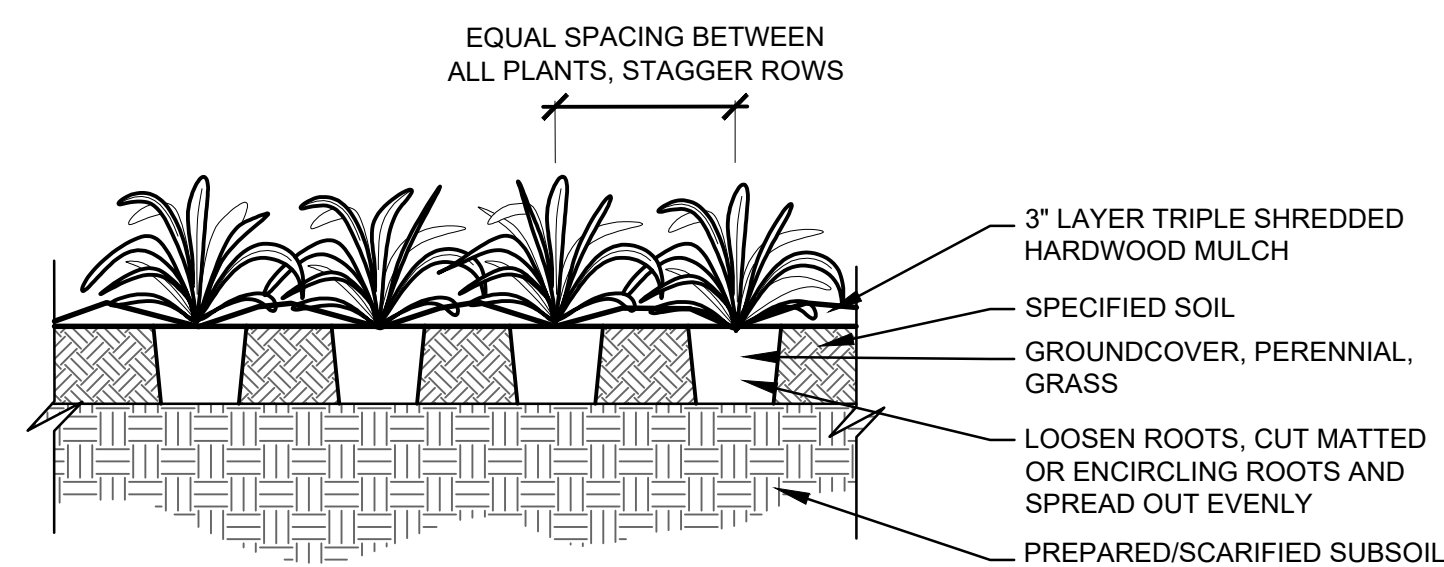
- SEE SPECIFICATIONS FOR DETAILS ON PLANT BED PREPARATION. DO NOT INSTALL SHRUBS DURING PERIODS OF WET OR FREEZING SOIL CONDITIONS.
- NO SYNTHETIC FABRIC IS ALLOWED ON ROOT BALLS.
- REMOVE ALL BALL TIES OR STRAPPING FROM ROOT BALL.
- FOR MASS PLANTINGS OF SHRUBS AND GROUNDCOVERS, USE STAGGERED ROWS WITH EQUAL SPACING BETWEEN ALL PLANTS.
- TAMP SOIL FIRMLY AS PIT IS FILLED AROUND EACH PLANT BALL.



SHRUB PLANTING

Not to Scale

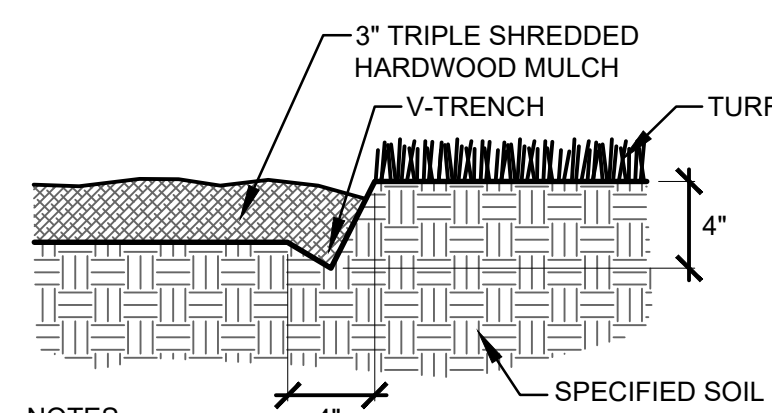
2
L1.02



GROUNDCOVERS/GRASSES/PERENNIALS

Not to Scale

3
L1.02



NOTES:

- APPLY 3" LAYER OF TRIPLE SHREDDED HARDWOOD MULCH.
- CUT BED EDGE WITH SPADE TO CREATE CONSISTENT, CLEAN, STRAIGHT EDGE.

V-TRENCH

Not to Scale

4
L1.02

BUY AMERICA PROGRAM REQUIREMENTS

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SUBCONSULTANT:

 Sub-Consultant Name and Information

REV	DESCRIPTION	DATE

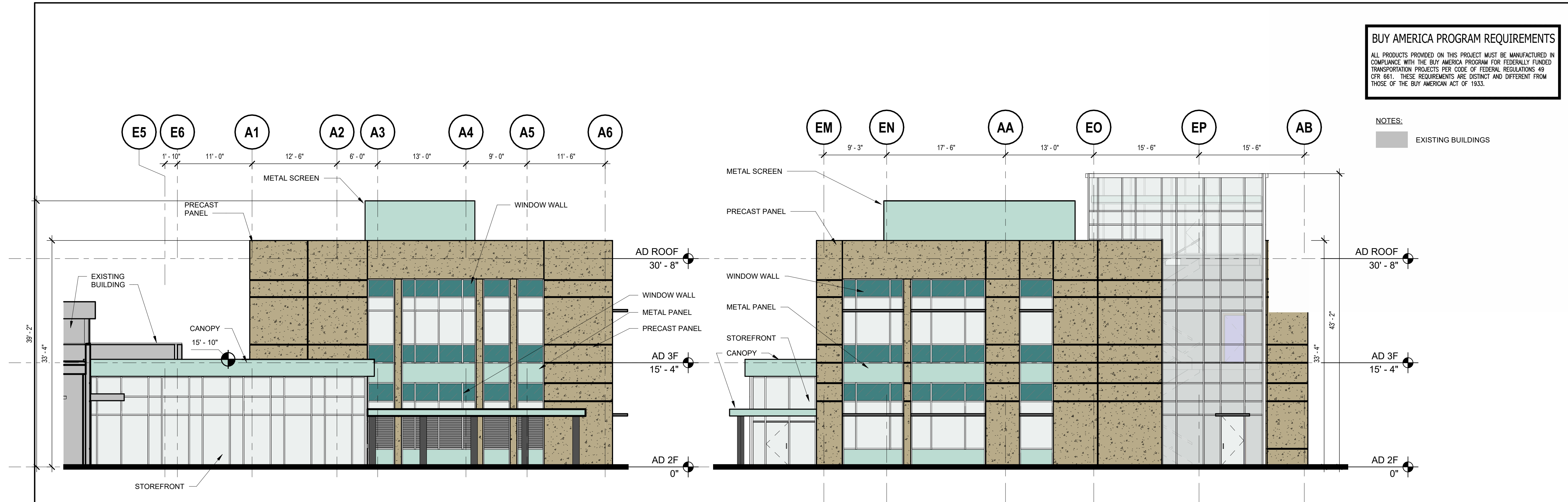
GORALEIGH OPERATIONS AND MAINTENANCE FACILITY (POOLE ROAD) EXPANSION
 4104 POOLE ROAD
 RALEIGH, NC 27610
 CITY OF RALEIGH, NORTH CAROLINA

ADMINISTRATIVE SITE REVIEW

PROFESSIONAL SEAL
 SHEET NAME
ADMIN BUILDING ELEVATIONS ASR
 DESIGNED BY: MDC
 DRAWN BY: ZBL
 CHECKED BY: MDC
 DATE: 10/25/2024
 SCALE: As indicated

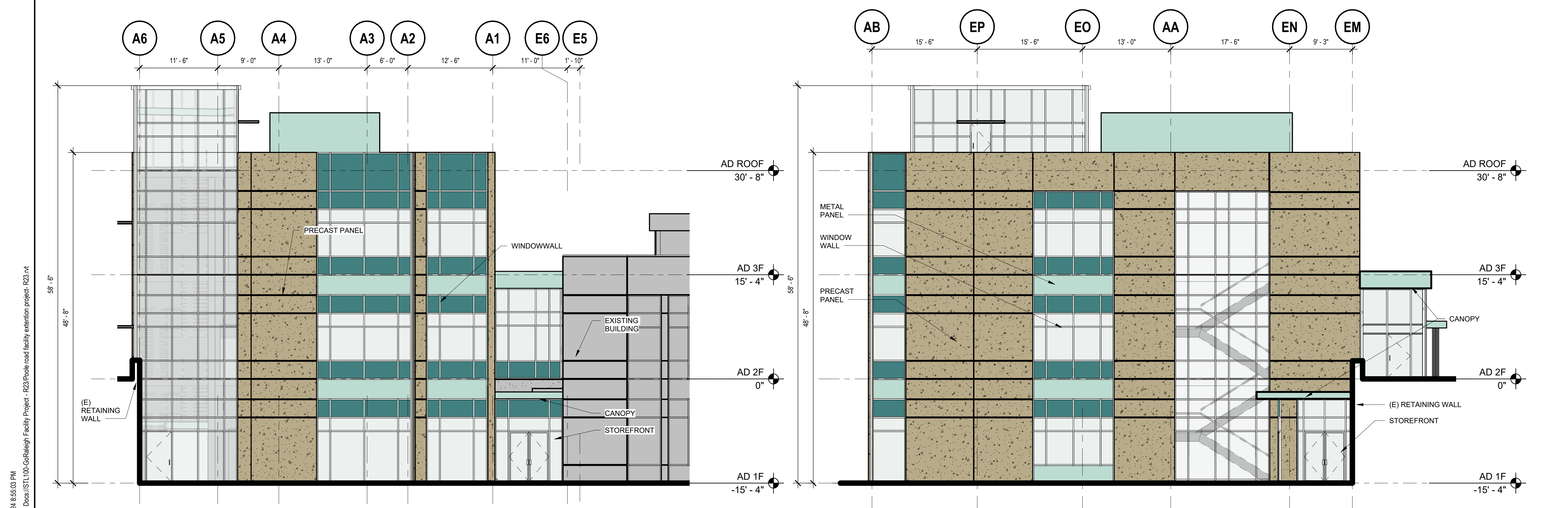
FULL SCALE SHEET SIZE: ANSI-D (22x34")

SHEET NUMBER **A201A**



1 ADMIN BUILDING WEST ELEVATION
 1/8" = 1'-0"

2 ADMIN BUILDING SOUTH ELEVATION
 1/8" = 1'-0"



3 ADMIN BUILDING EAST ELEVATION
 1/8" = 1'-0"

4 ADMIN BUILDING NORTH ELEVATION
 1/8" = 1'-0"

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 Autocad Docs\151100-CorRaleigh Facility Project - R23\poole road facility extension project_R23.rvt
 FILE PATH:

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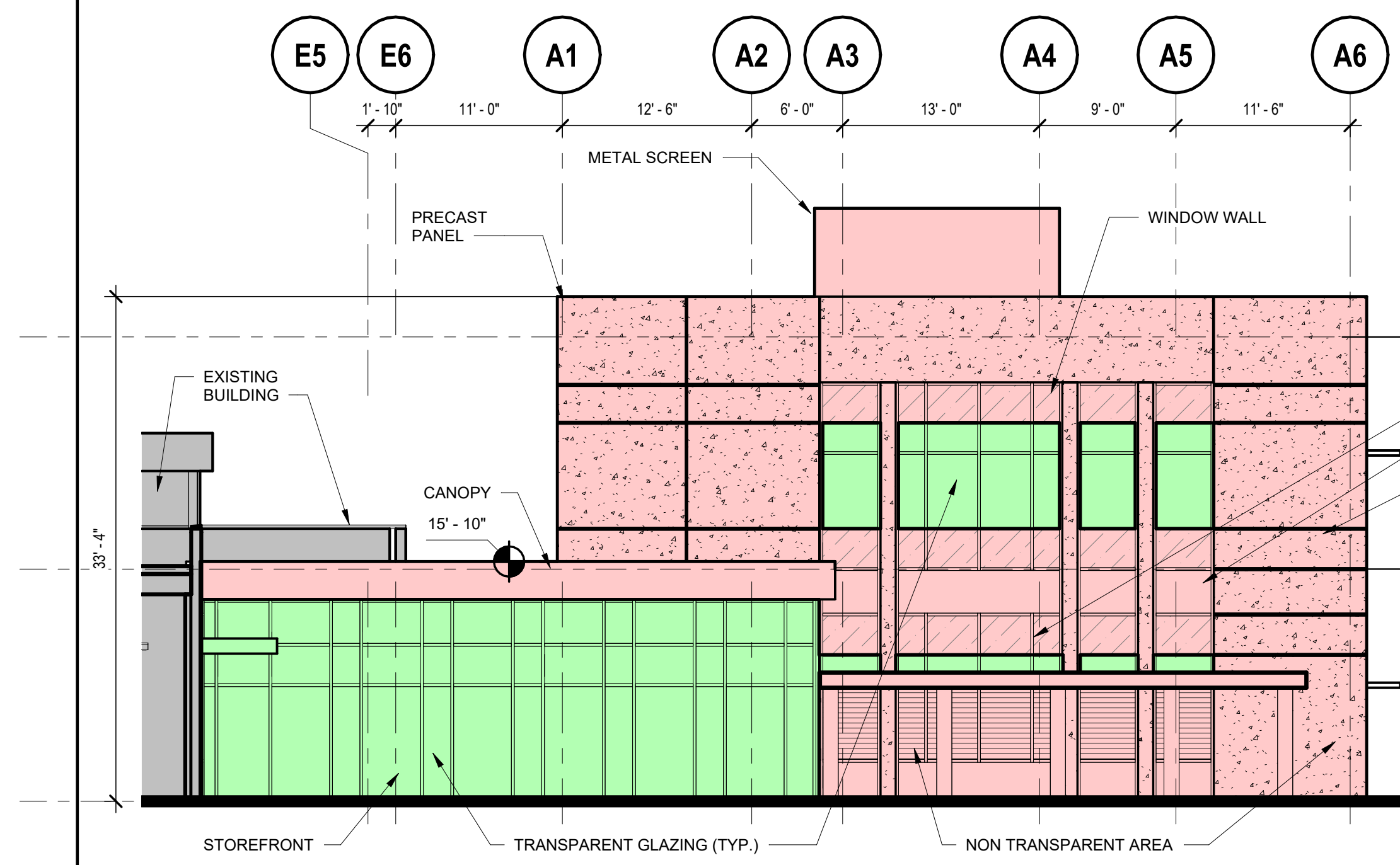


PRIME CONSULTANT:
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 wsp.com

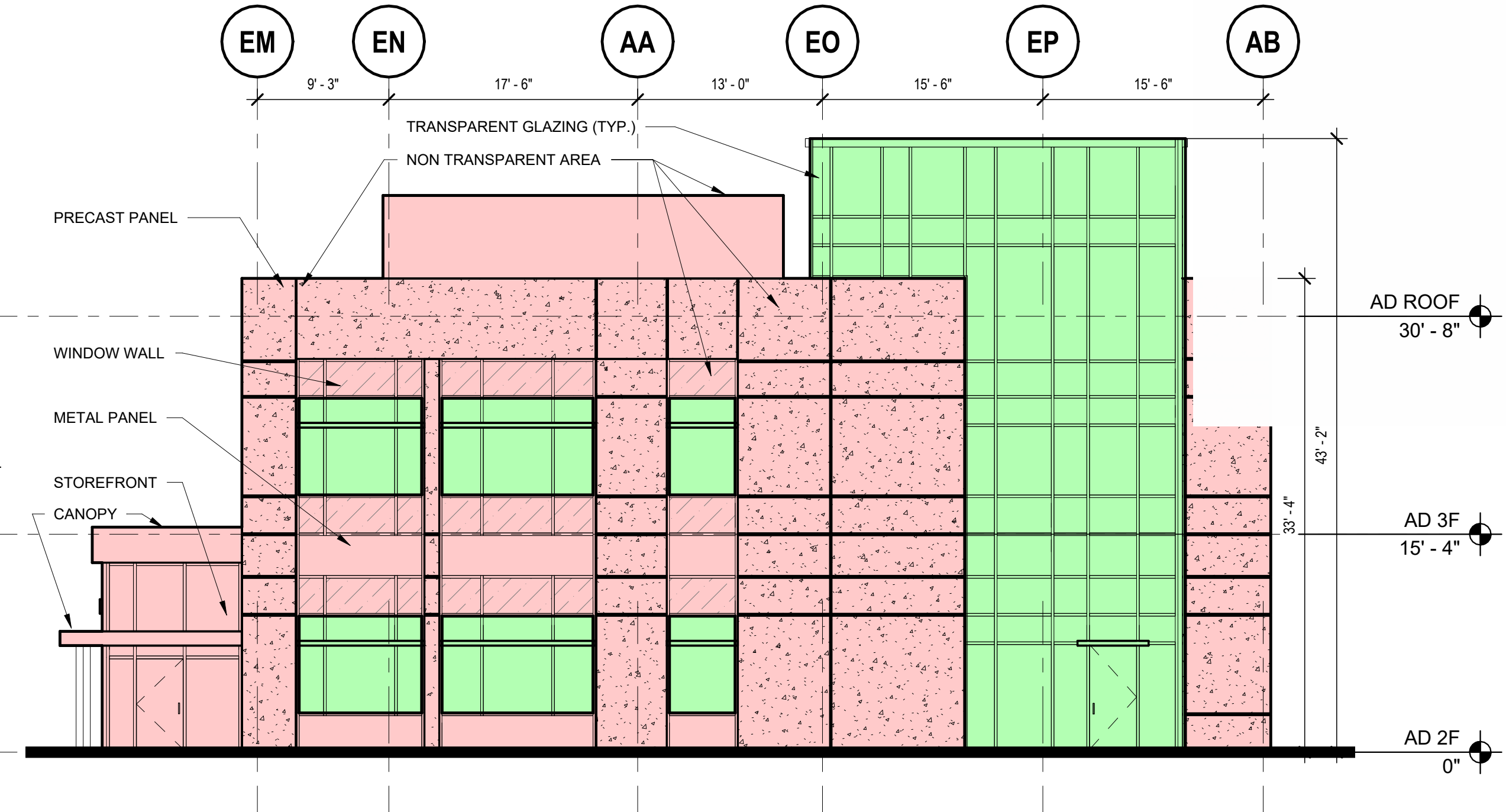
SUBCONSULTANT:
 Sub-Consultant Name and Information

NOTES:
 PROVIDING TRANSPARENT GLAZING AREA AND PATTERN SIMILAR TO EXISTING ADJACENT WALL CONDITIONS FOR A CONSISTENT DEGREE OF TRANSPARENCY

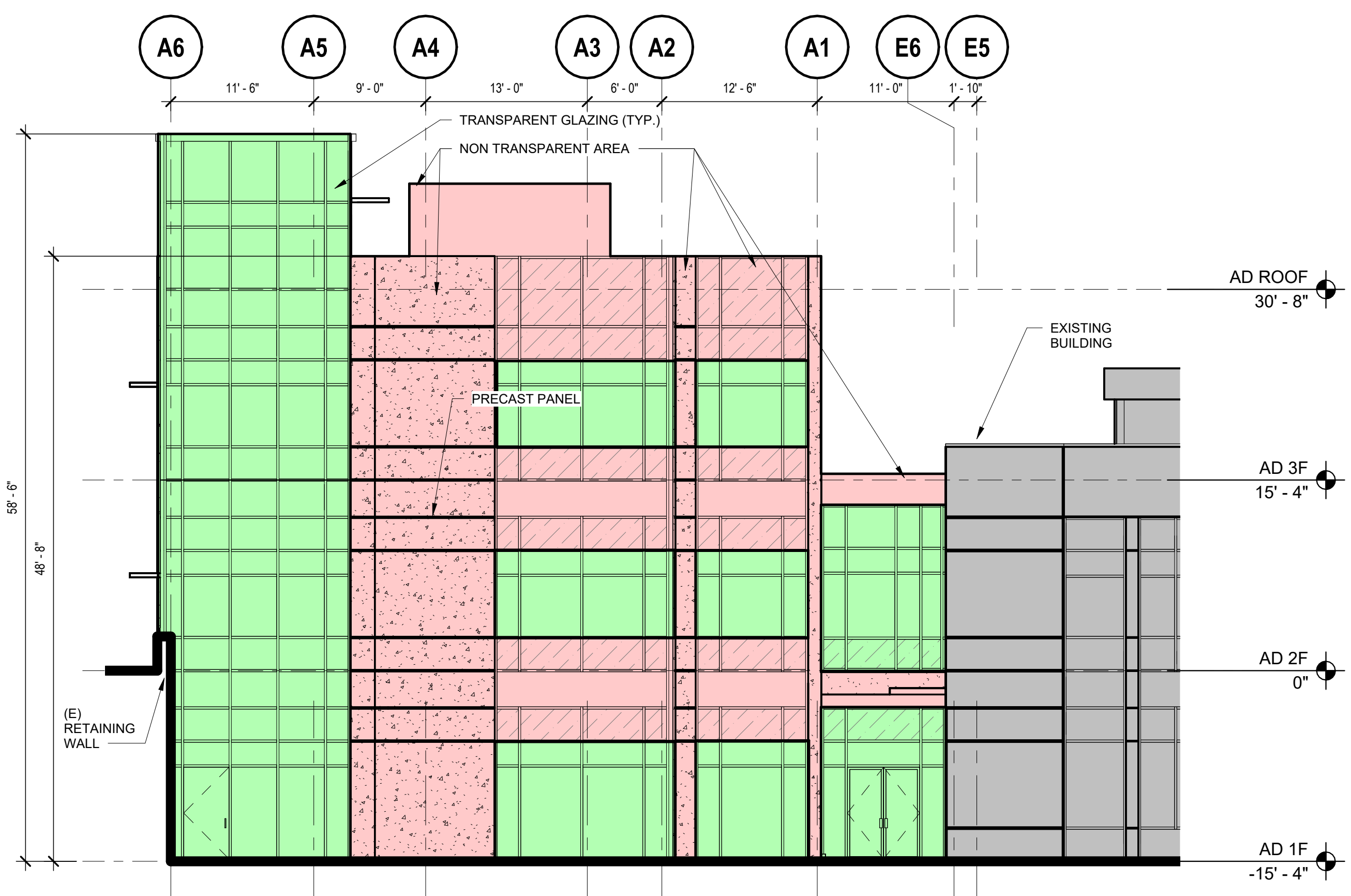
- EXISTING BUILDINGS
- TRANSPARENT AREA
- NON TRANSPARENT AREA



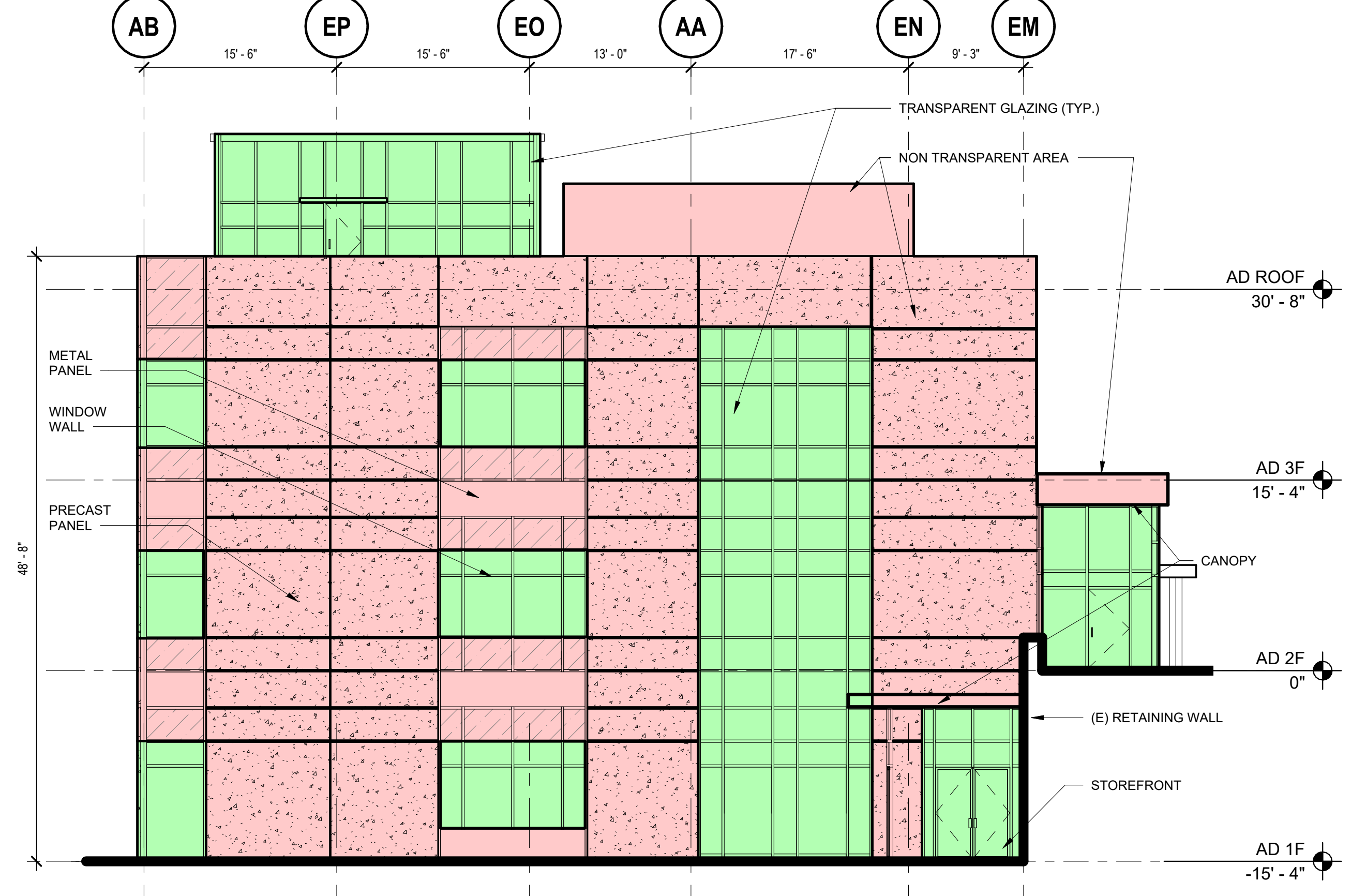
1 ADMIN BUILDING WEST ELEVATION TRANSPARENCY
 1/8" = 1'-0"



2 ADMIN BUILDING SOUTH ELEVATION TRANSPARENCY
 1/8" = 1'-0"



3 ADMIN BUILDING EAST ELEVATION TRANSPARENCY
 1/8" = 1'-0"



4 ADMIN BUILDING NORTH ELEVATION TRANSPARENCY
 1/8" = 1'-0"

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ADMINISTRATIVE SITE REVIEW

REV	DESCRIPTION	DATE

GORALEIGH OPERATIONS AND MAINTENANCE FACILITY (POOLE ROAD) EXPANSION
 4104 POOLE ROAD
 RALEIGH, NC 27610
 CITY OF RALEIGH, NORTH CAROLINA

PROFESSIONAL SEAL
 SHEET NAME
ADMIN BUILDING ELEVATIONS ASR
 DESIGNED BY: MDC
 DRAWN BY: ZBL
 CHECKED BY: MDC
 DATE: 10/25/2024
 SCALE: As indicated

FULL SCALE SHEET SIZE: ANSI-D (22x34")

SHEET NUMBER **A201B**

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 wsp.com

SUBCONSULTANT:

Sub-Consultant Name and Information

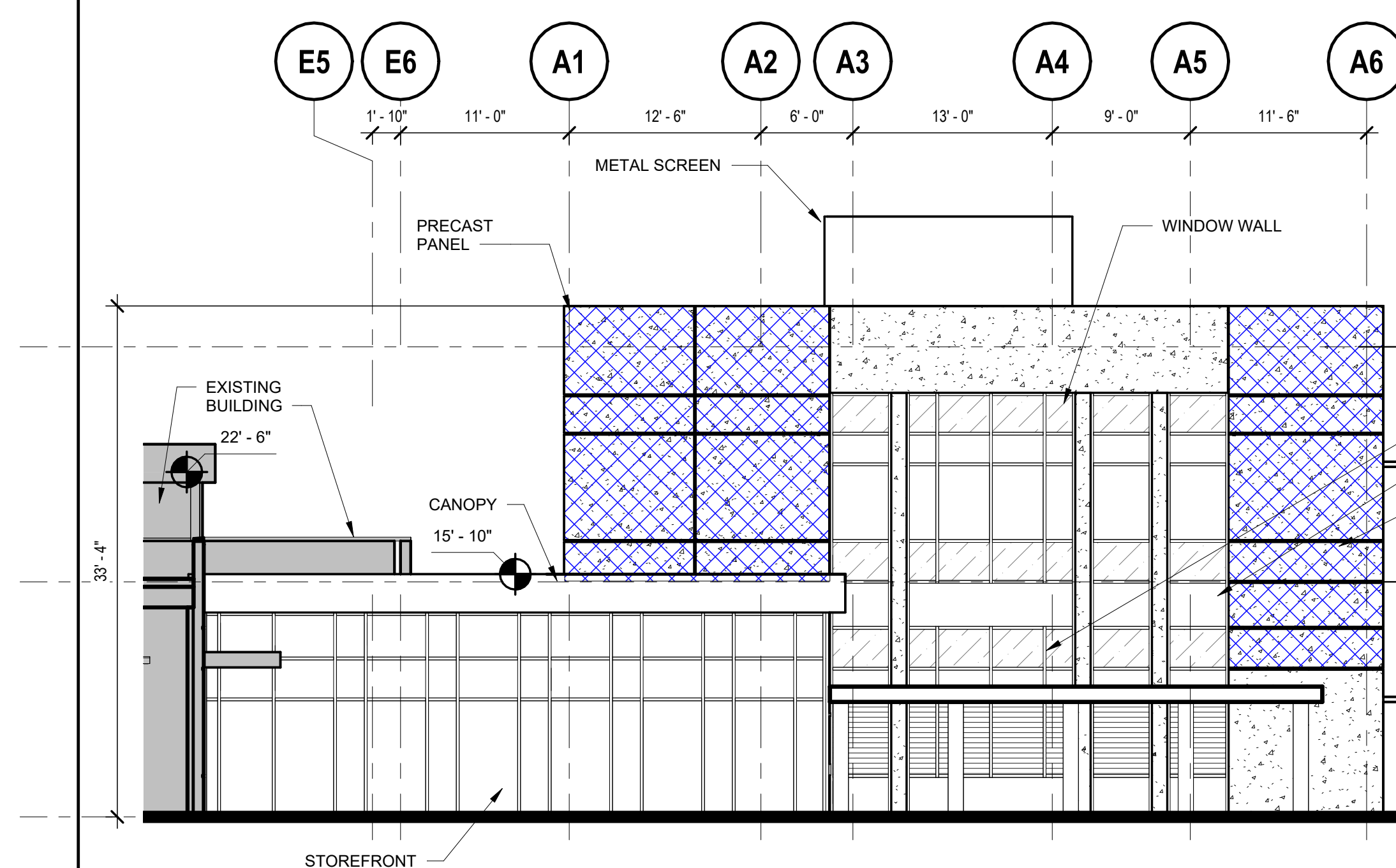
REV	DESCRIPTION	DATE
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NOTES:

PROVIDING REVEALS AND JOINTS ON PANELS THAT ARE SIMILAR TO EXISTING. ADJACENT WALL CONDITIONS FOR ARCHITECTURAL APPEARANCE CONSISTENCY

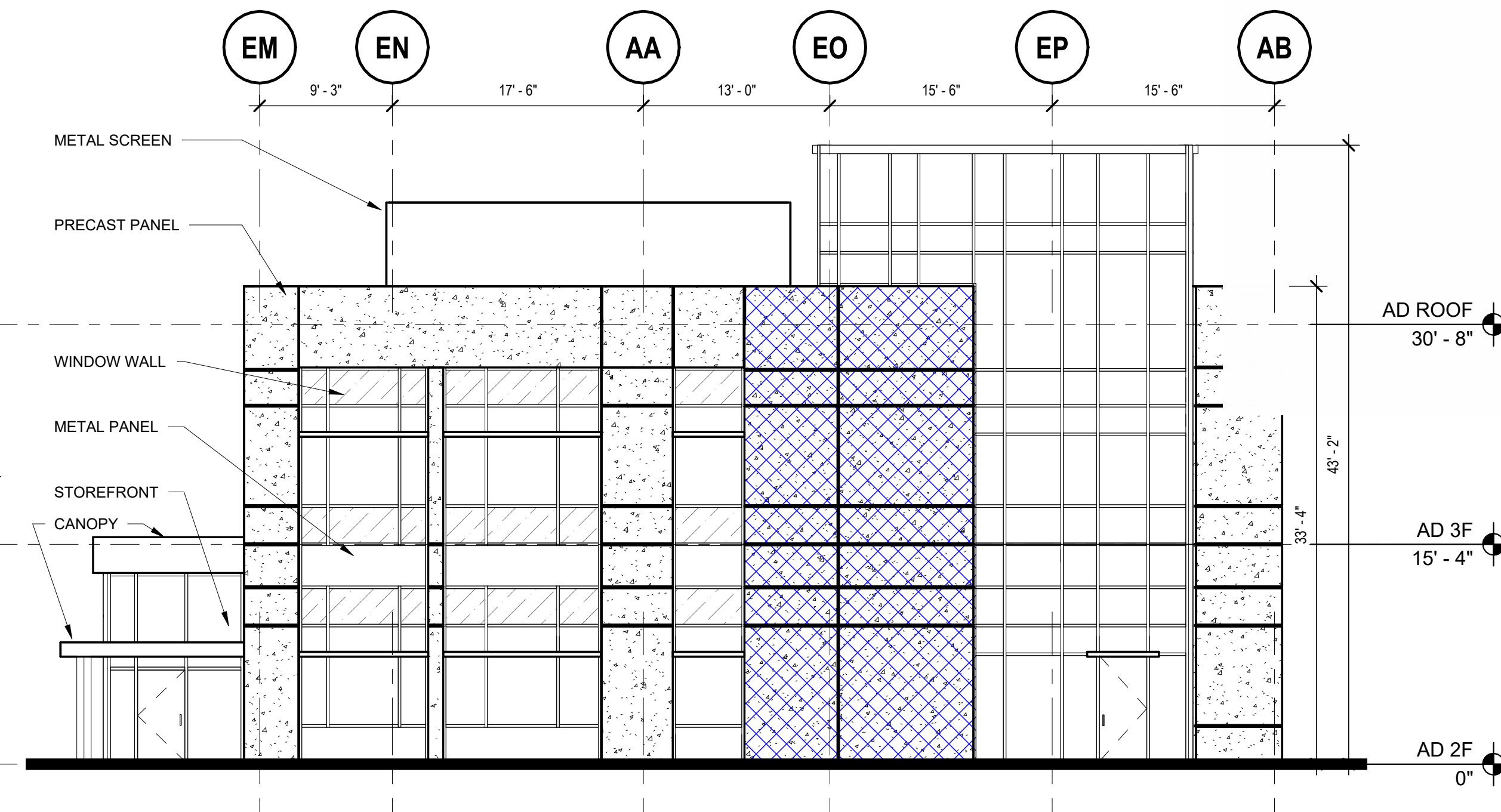
EXISTING BUILDINGS

BLANK WALL AREA



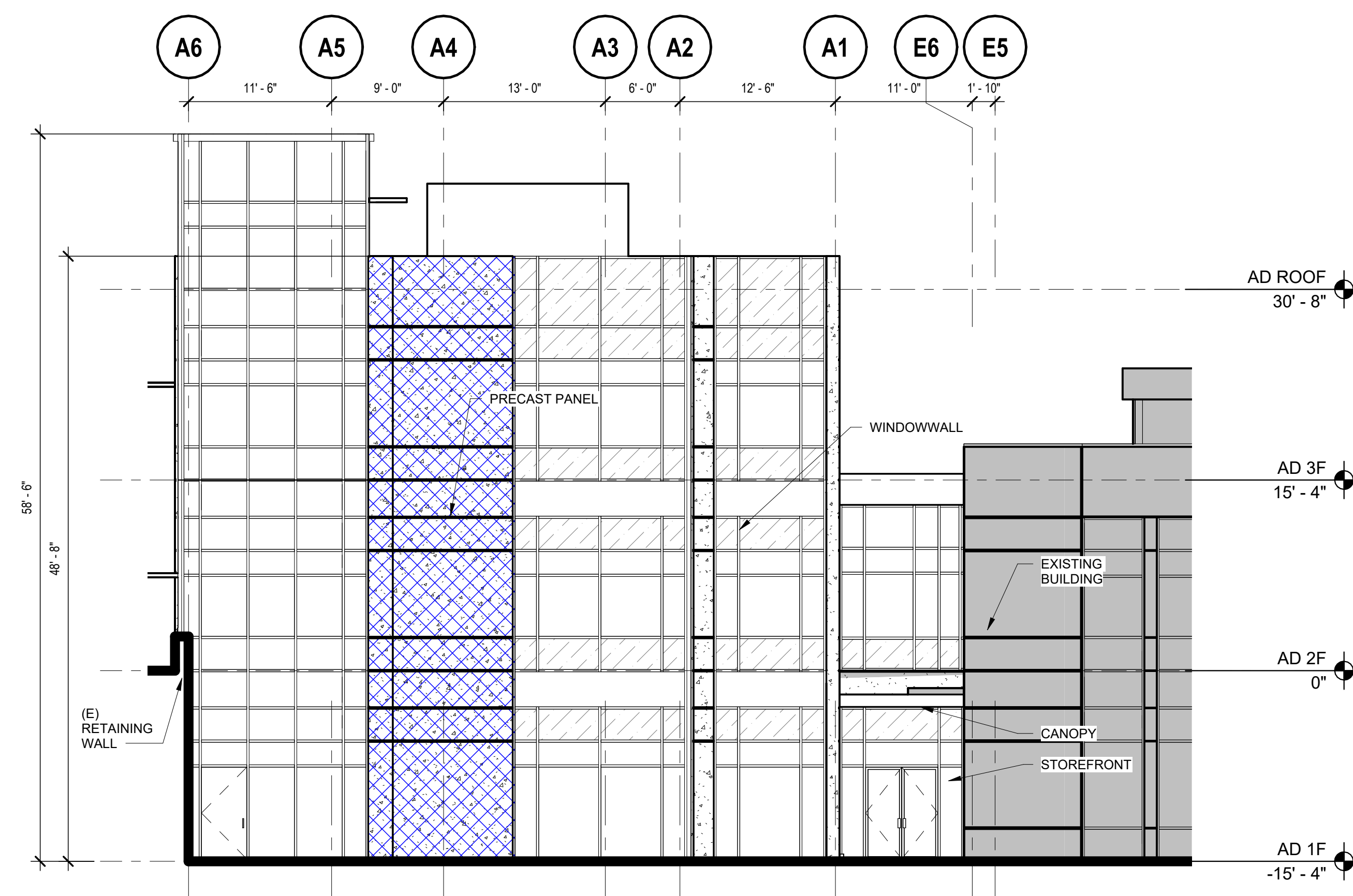
1 ADMIN BUILDING WEST ELEVATION BLANK WALL AREA

1/8" = 1'-0"



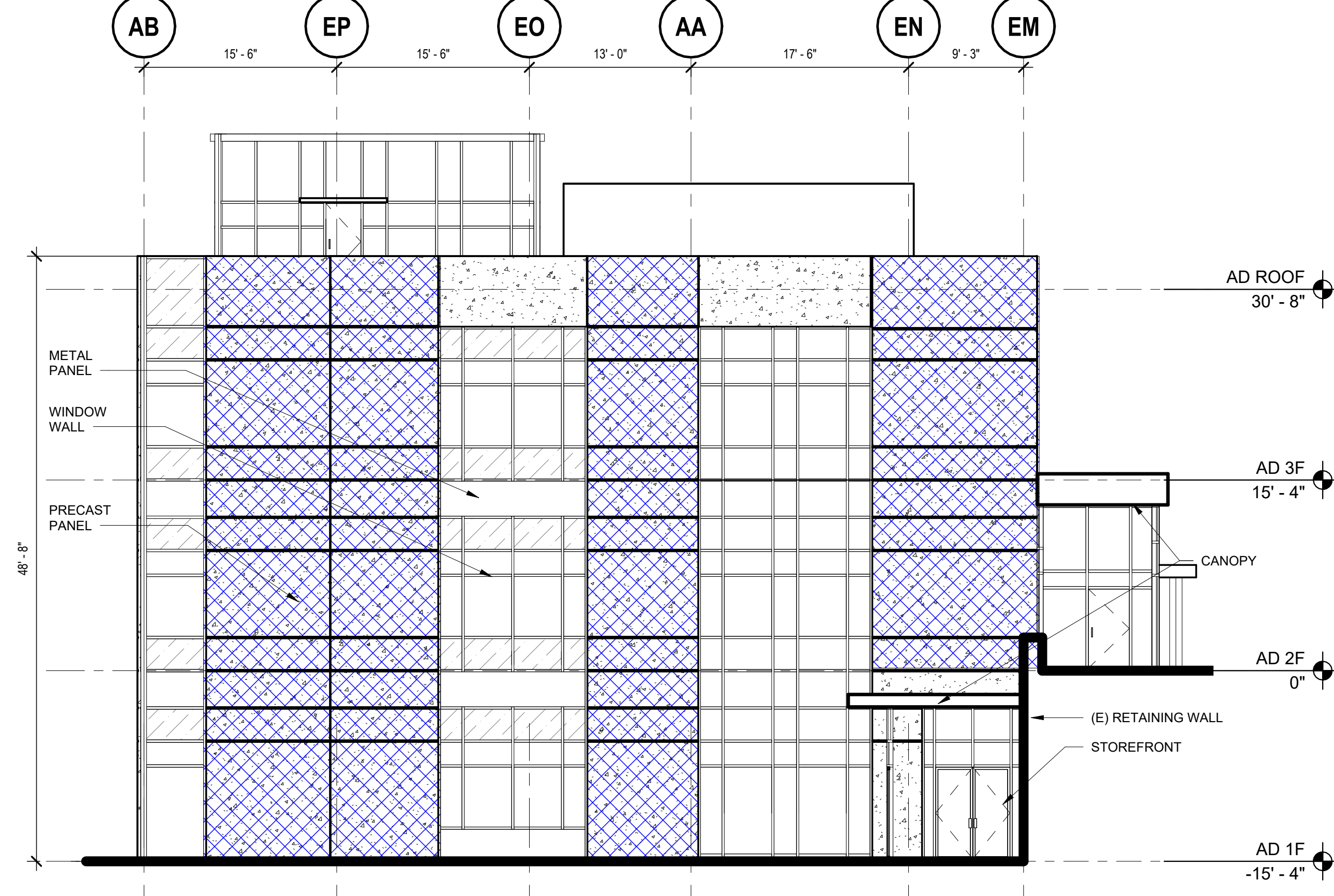
2 ADMIN BUILDING SOUTH ELEVATION BLANK WALL AREA

1/8" = 1'-0"



3 ADMIN BUILDING EAST ELEVATION BLANK WALL AREA

1/8" = 1'-0"



4 ADMIN BUILDING NORTH ELEVATION BLANK WALL AREA

1/8" = 1'-0"

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ADMINISTRATIVE SITE REVIEW

PROFESSIONAL SEAL

SHEET NAME
ADMIN BUILDING ELEVATIONS ASR

DESIGNED BY:	MDC
DRAWN BY:	ZBL
CHECKED BY:	MDC
DATE:	10/25/2024
SCALE:	As indicated

FULL SCALE SHEET SIZE: ANSI-D (22x34")

SHEET NUMBER **A201C**

GORALEIGH OPERATIONS AND MAINTENANCE FACILITY (POOLE ROAD) EXPANSION
 4104 POOLE ROAD
 RALEIGH, NC 27610
 CITY OF RALEIGH, NORTH CAROLINA

REV	DESCRIPTION	DATE

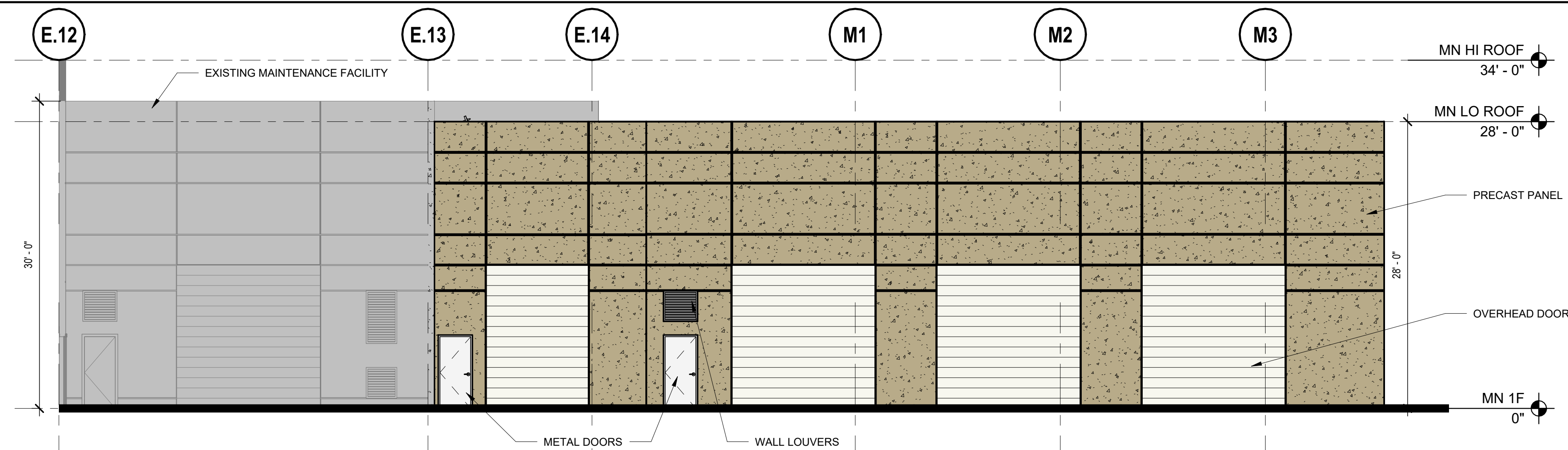
**GORALEIGH OPERATIONS AND
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 (POOLE ROAD) EXPANSION**
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 CITY OF RALEIGH, NORTH CAROLINA

BUY AMERICA PROGRAM REQUIREMENTS

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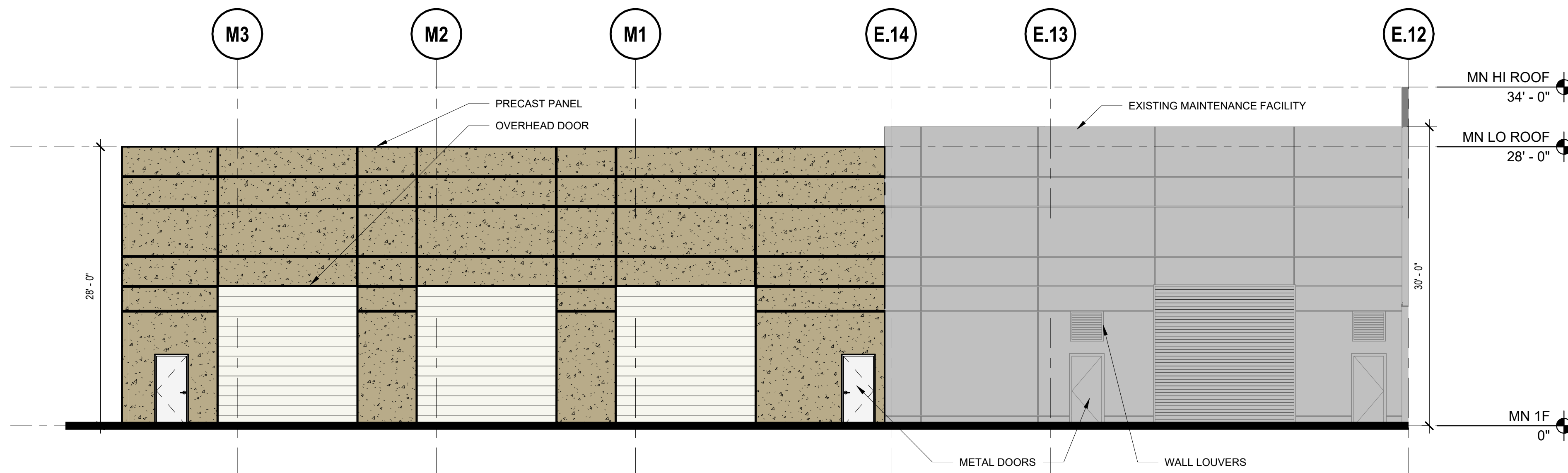
NOTES:

EXISTING BUILDINGS



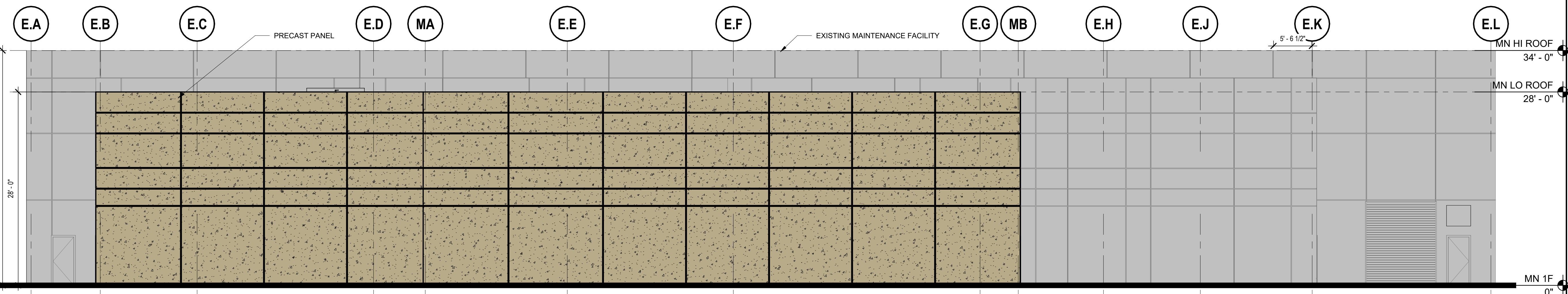
1 MAINTENANCE BUILDING WEST ELEVATION

1/8" = 1'-0"



2 MAINTENANCE BUILDING EAST ELEVATION

1/8" = 1'-0"



3 MAINTENANCE BUILDING SOUTH ELEVATION

1/8" = 1'-0"

ADMINISTRATIVE SITE REVIEW

PROFESSIONAL SEAL

SHEET NAME
 MAINTENANCE BUILDING
 ELEVATIONS ASR

DESIGNED BY: MDC
 DRAWN BY: ZBL
 CHECKED BY: MDC
 DATE: 10/25/2024
 SCALE: As indicated

FULL SCALE SHEET SIZE: ANSI-D (22x34")

SHEET NUMBER

A211A



PRIME CONSULTANT:
WSP WSP USA
 Suite 1500
 434 Fayetteville Street
 Raleigh, NC 27604
 Tel.: +1 919 836 4040
 wsp.com

SUBCONSULTANT:

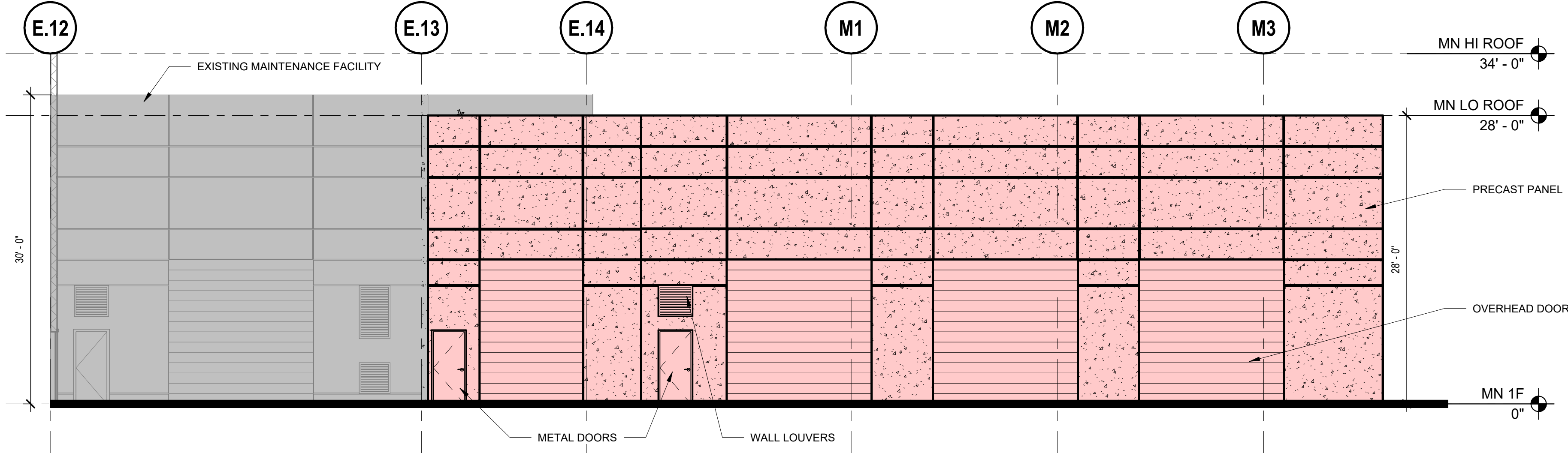
 Sub-Consultant Name and Information

REV	DESCRIPTION	DATE

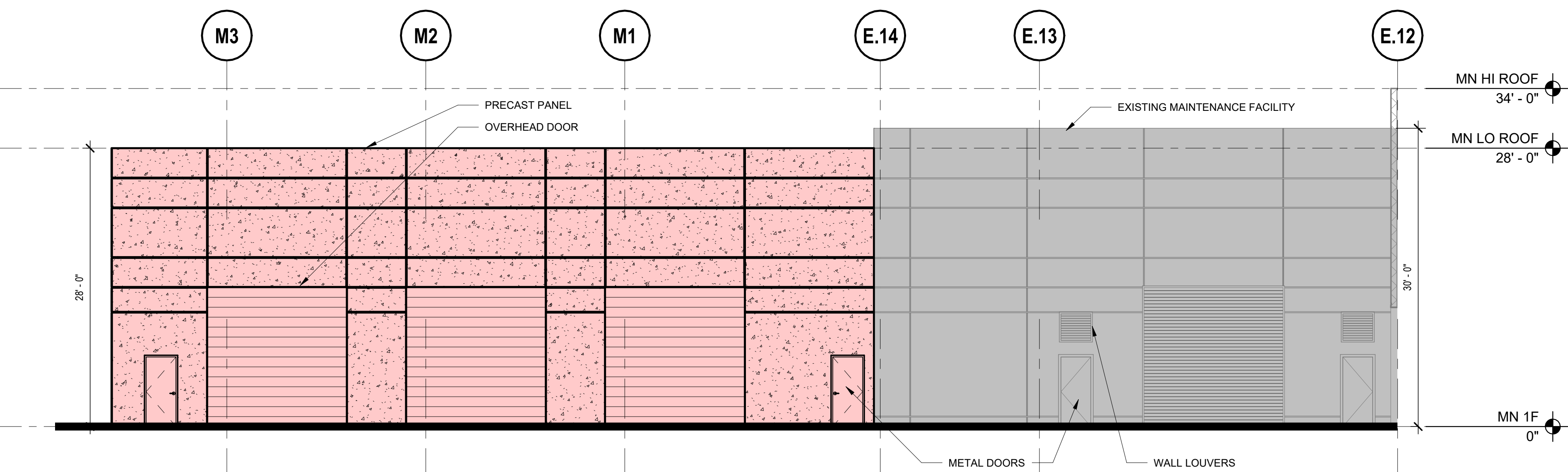
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NOTES:
 PROVIDING TRANSPARENT GLAZING AREA AND PATTERN SIMILAR TO EXISTING, ADJACENT WALL CONDITIONS FOR A CONSISTENT DEGREE OF TRANSPARENCY

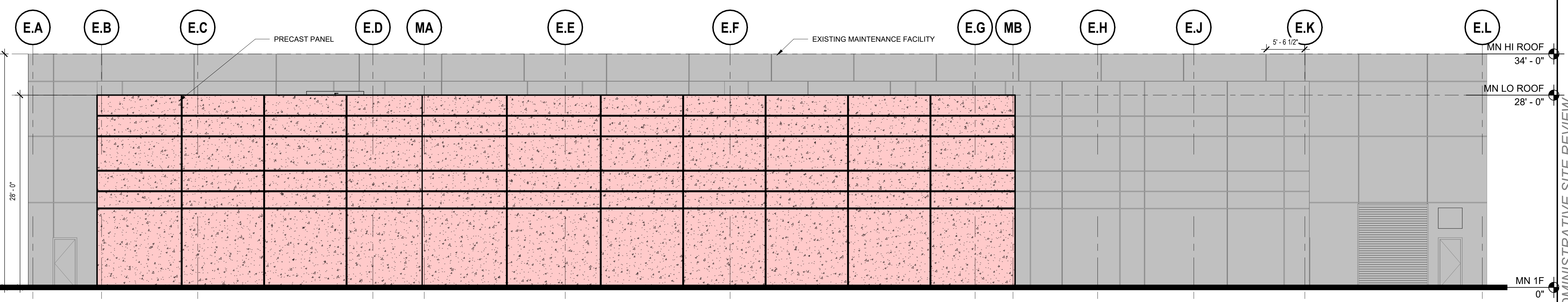
- EXISTING BUILDINGS
- TRANSPARENT AREA
- NON TRANSPARENT AREA



1 MAINTENANCE BUILDING WEST ELEVATION TRANSPARENCY
 1/8" = 1'-0"



2 MAINTENANCE BUILDING EAST ELEVATION TRANSPARENCY
 1/8" = 1'-0"



3 MAINTENANCE BUILDING SOUTH ELEVATION TRANSPARENCY
 1/8" = 1'-0"

ADMINISTRATIVE SITE REVIEW

PROFESSIONAL SEAL
 SHEET NAME
MAINTENANCE BUILDING ELEVATIONS ASR
 DESIGNED BY: MDC
 DRAWN BY: ZBL
 CHECKED BY: MDC
 DATE: 10/25/2024
 SCALE: As indicated

SHEET NUMBER **A211B**

10/20/2024 6:55:18 PM
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 Autodesk Docs

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SUBCONSULTANT:

 Sub-Consultant Name and Information

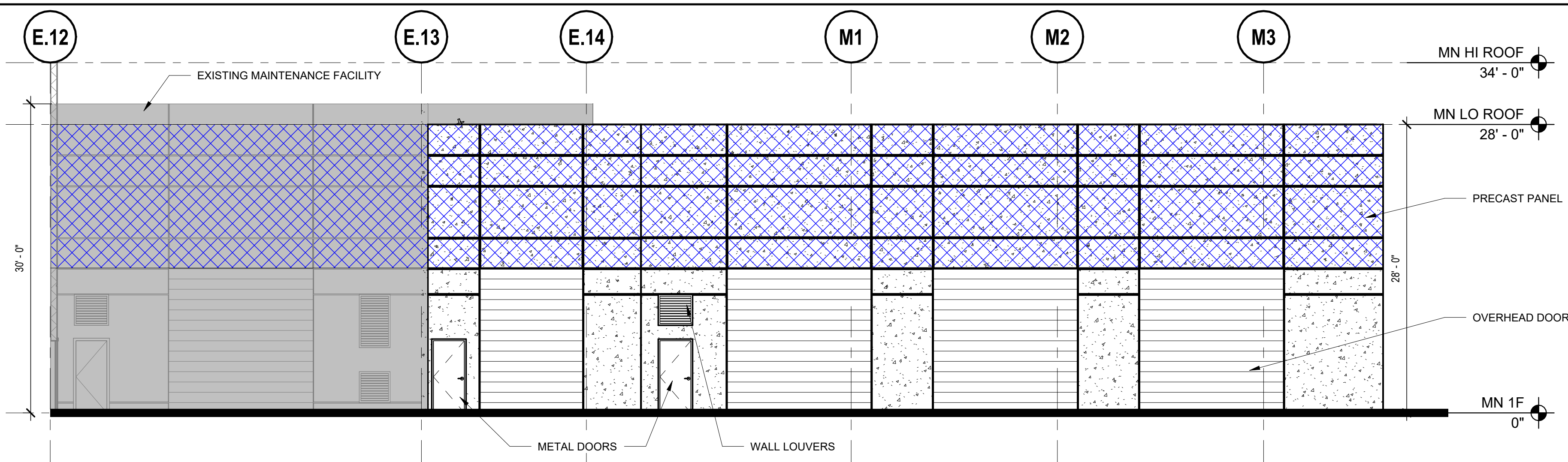
REV	DESCRIPTION	DATE

**GORALEIGH OPERATIONS AND
 MAINTENANCE FACILITY
 (POOLE ROAD) EXPANSION**
 4104 POOLE ROAD
 RALEIGH, NC 27610
 CITY OF RALEIGH, NORTH CAROLINA

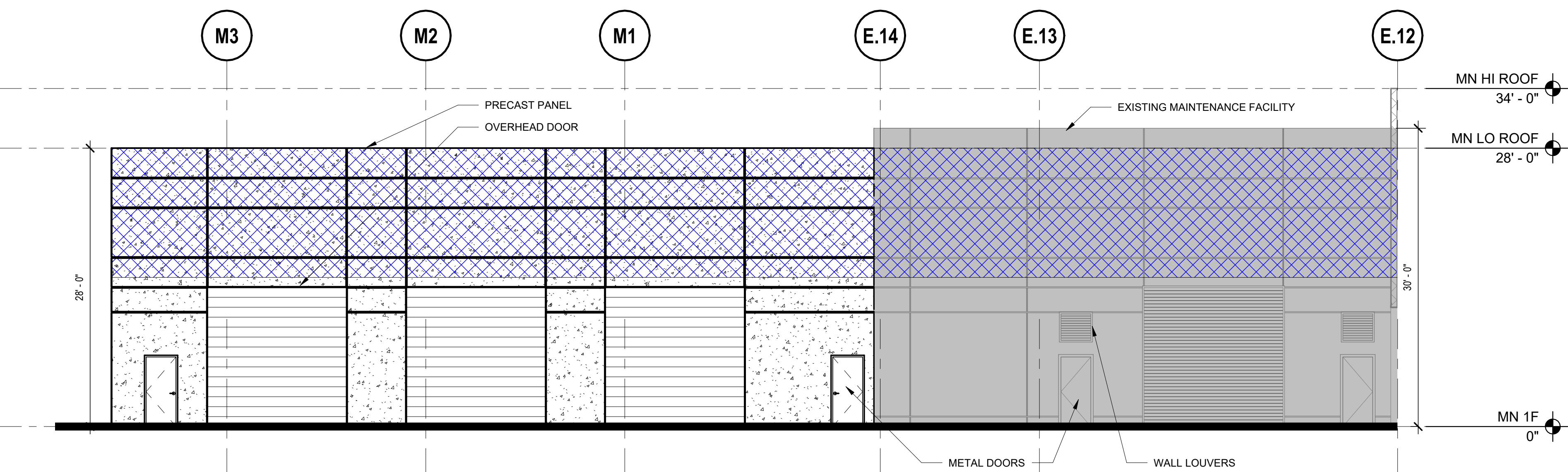
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NOTES:
 PROVIDING REVEALS AND JOINTS ON PANELS THAT ARE SIMILAR TO EXISTING, ADJACENT WALL CONDITIONS FOR ARCHITECTURAL APPEARANCE CONSISTENCY

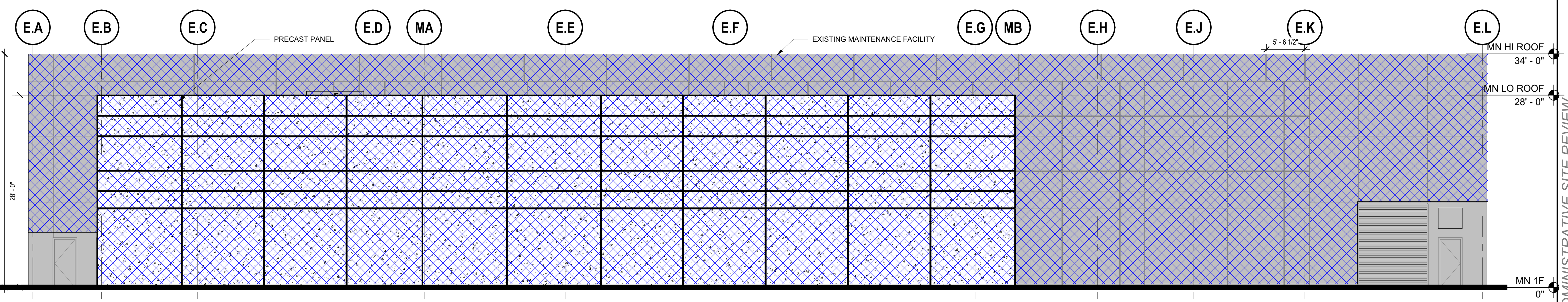
- EXISTING BUILDINGS
- BLANK WALL AREA



1 MAINTENANCE BUILDING WEST ELEVATION BLANK WALL AREA
 1/8" = 1'-0"



2 MAINTENANCE BUILDING EAST ELEVATION BLANK WALL AREA
 1/8" = 1'-0"



3 MAINTENANCE BUILDING SOUTH ELEVATION BLANK WALL AREA
 1/8" = 1'-0"

ADMINISTRATIVE SITE REVIEW

PROFESSIONAL SEAL
 SHEET NAME
**MAINTENANCE BUILDING
 ELEVATIONS ASR**
 DESIGNED BY: MDC
 DRAWN BY: ZBL
 CHECKED BY: MDC
 DATE: 10/25/2024
 SCALE: As indicated

FULL SCALE SHEET SIZE: ANSI-D (22x34")

SHEET NUMBER **A211C**

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 Autodesk Docs