PRELIMINARY SUBDIVISION / CONSTRUCTION INFRASTRUCTURE DRAWINGS

SUBMITTAL #1 Rolesville Town Campus

Raleigh Plan Case

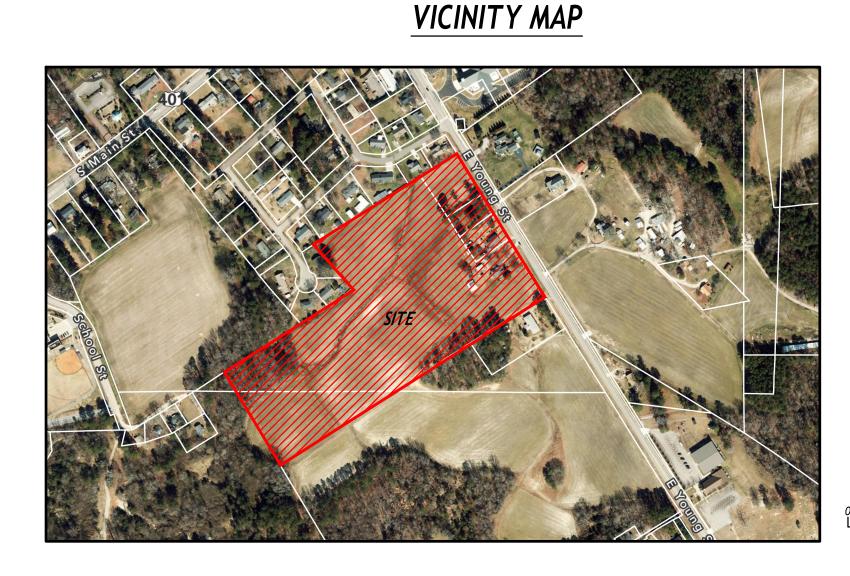
408 E. Young Street Rolesville, NC, 27571 TOWN OF ROLESVILLE August 25, 2025

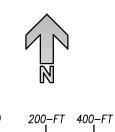
RELIMINARY PLANS FOR REVIEW ONLY

DESIGN

CLH design, p.a. 400 Regency Forest Dr. Suite 120

Phone: 919.319.6716 LA: C-106, PE: C-1595





SITE DATA TOWN OF ROLESVILLE P.O. BOX 250 ROLESVILLE, NC 27571 CAPITAL PROJECT MANAGER, TOWN OF ROLESVILLE 984-251-2368 MEDHAT.BASELIOUS@ROLESVILLE.NC.GOV CLH DESIGN, P.A. RACHEL WATSON, PLA LANDSCAPE ARCHITECT: DESIGNER CONTACT: 919-319-6716 400 REGENCY FOREST DRIVE, STE. 120 CARY, NC 27511 RWATSON@CLHDESIGNPA.COM CLH DESIGN, P.A. CIVIL ENGINEER: KEN LORING, PE 919-319-6716 DESIGNER CONTACT 400 REGENCY FOREST DRIVE, STE. 120 CARY, NC 27511 PROJECT ADDRESS: 408 E. YOUNG STREET & O E. YOUNG STREET ROLESVILLE, NC 27571 1768098727, 1768094465, 1769101402, 1769101390, 1769102240 0012313, 0106105, 0012316, 0041554, 0006343 (13.39 + 2.32 + 0.81 + 0.37 + 0.50) = 17.39 ACRL - RESIDENTIAL LOW DENSITY EXISTING USE: BUSINESS, INDUSTRY, AND TECHNOLOGY (ZONE - BT) ±18.6 ACRES (±809,513 SF) DISTURBED AREA: PROPOSED FIRE LANE: N/A NO BUILDING IMPROVEMENTS ARE PROPOSED BUILDING AREA SF: PREDOMINATE BUILDING FACADE 35' MAX

NEUSE RIVER

RIVER BASIN: FLOODZONE:

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C-5.20	SEWER LINE A PLAN & PROFILE	SITE LIGI	HTING
C-5.21	SEWER LINES B & C PLAN & PROFILE	DUKE EN	IERGY
C-6.00	OVERALL LANDSCAPE PLAN		
C-6.01	LANDSCAPE PLAN AREA A		
C-6.02	LANDSCAPE PLAN AREA B		

Please include the public improvements quantities table for merger towns found in the Raleigh Water Public Utilities Design Manual.

ATTENTION CONTRACTORS

THE CONTRACTOR RESPONSIBLE FOR THE EXTENSION OF WATER, SEWER, AND/OR REUSE, AS APPROVED IN THESE PLANS, IS RESPONSIBLE FOR CONTACTING THE INFRASTRUCTURE INSPECTIONS DIVISION AND SCHEDULE A PRE-CONSTRUCTION MEETING ON THE DEVELOPMENT PORTAL PRIOR TO BEGINNING ANY CONSTRUCTION. RALEIGH WATER MUST BE CONTACTED AT (919) 996-4540 AT LEAST TWENTY-FOUR HOURS PRIOR TO BEGINNING ANY WORK ACTIVITY AROUND CRITICAL WATER AND SEWER INFRASTRUCTURE.

FAILURE TO NOTIFY CITY DEPARTMENTS IN ADVANCE OF BEGINNING CONSTRUCTION. WILL RESULT IN THE ISSUANCE OF MONETARY FINES. AND REQUIRE REINSTALLATION OF ANY WATER OR SEWER FACILITIES NOT INSPECTED AS A RESULT OF THIS NOTIFICATION FAILURE.

FAILURE TO CALL FOR INSPECTION, INSTALL A DOWNSTREAM PLUG, HAVE PERMITTED PLANS ON THE JOBSITE, OR ANY OTHER VIOLATION OF CITY OF RALEIGH STANDARDS WILL RESULT IN A FINE AND POSSIBLE EXCLUSION FROM FUTURE WORK IN THE CITY OF RALEIGH.

These can be removed. While Raeigh will be permitting public water and sewer, we are no longer using these permit blocks.

TOWN OF ROLESVILLE

WATER DISTRIBUTION / EXTENSION SYSTEM THE CITY OF RALEIGH CONSENTS TO THE CONNECTION AND EXTENSION OF THE CITY'S PUBLIC WATER SYSTEM AS SHOWN ON THIS PLAN. THE MATERIAL AND CONSTRUCTION METHODS USED FOR THIS PROJECT SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE

SEWER COLLECTION / EXTENSION SYSTEM THE CITY OF RALEIGH CONSENTS TO THE CONNECTION AND EXTENSION OF THE CITY'S PUBLIC SEWER SYSTEM AS SHOWN ON THIS PLAN. THE MATERIAL AND CONSTRUCTION METHODS USED FOR THIS PROJECT SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY'S PUBLIC UTILITIES HANDBOOK. CITY OF RALEIGH

CITY'S PUBLIC UTILITIES HANDBOOK.

PUBLIC UTILITIES DEPARTMENT PERMIT #_

PUBLIC UTILITIES DEPARTMENT PERMIT #_

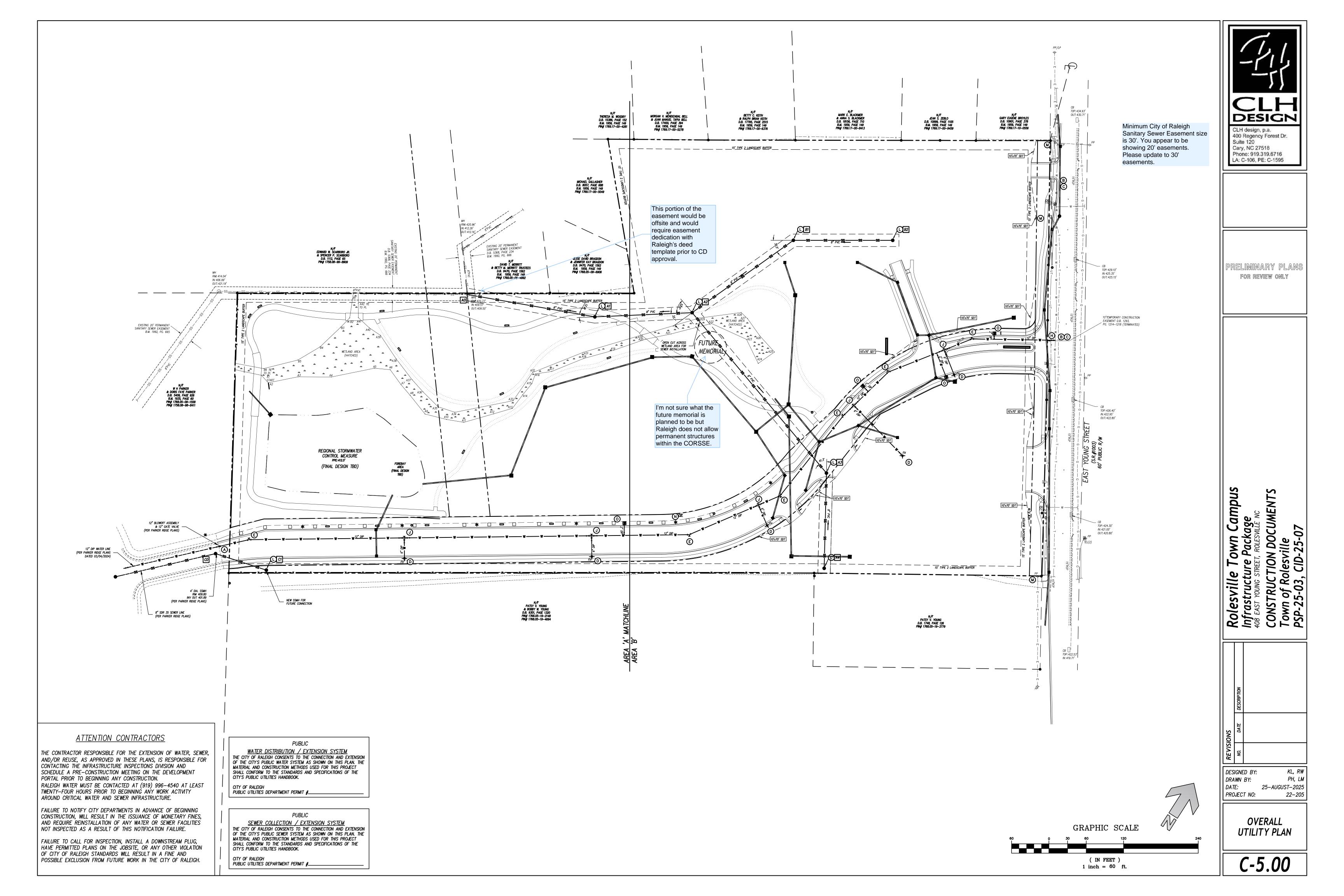
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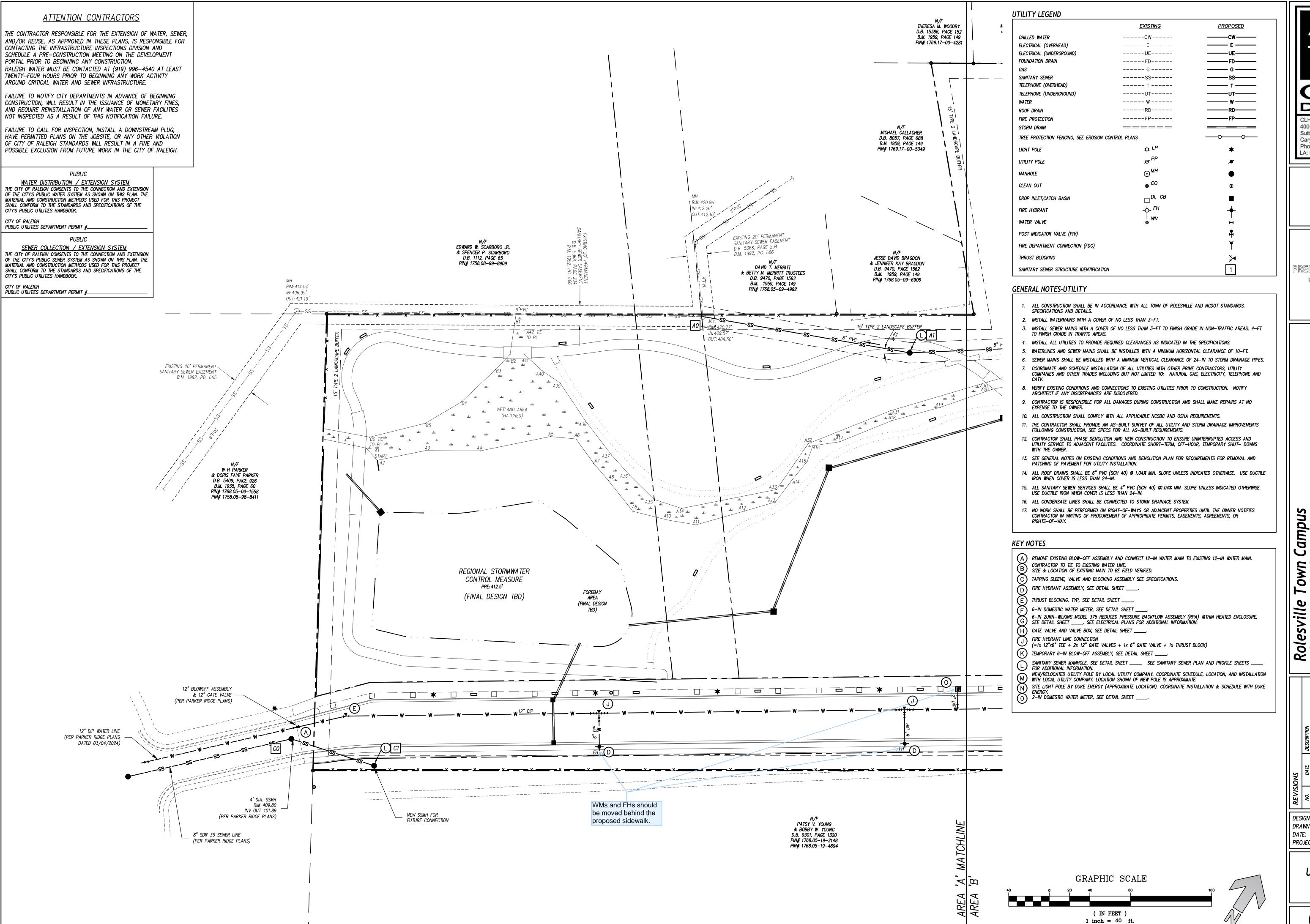
DESIGNED BY: DRAWN BY: DATE: PROJECT NO:	KL, I PH, 25–AUGUST–20 22–2
	DRAWN BY: DATE:

Campus

DOCUMENT

Rolesville To Infrastructure F 408 EAST YOUNG STREET, CONSTRUCTION Town of Rolesv PSP-25-03, CID-







RELIMINARY PLANS

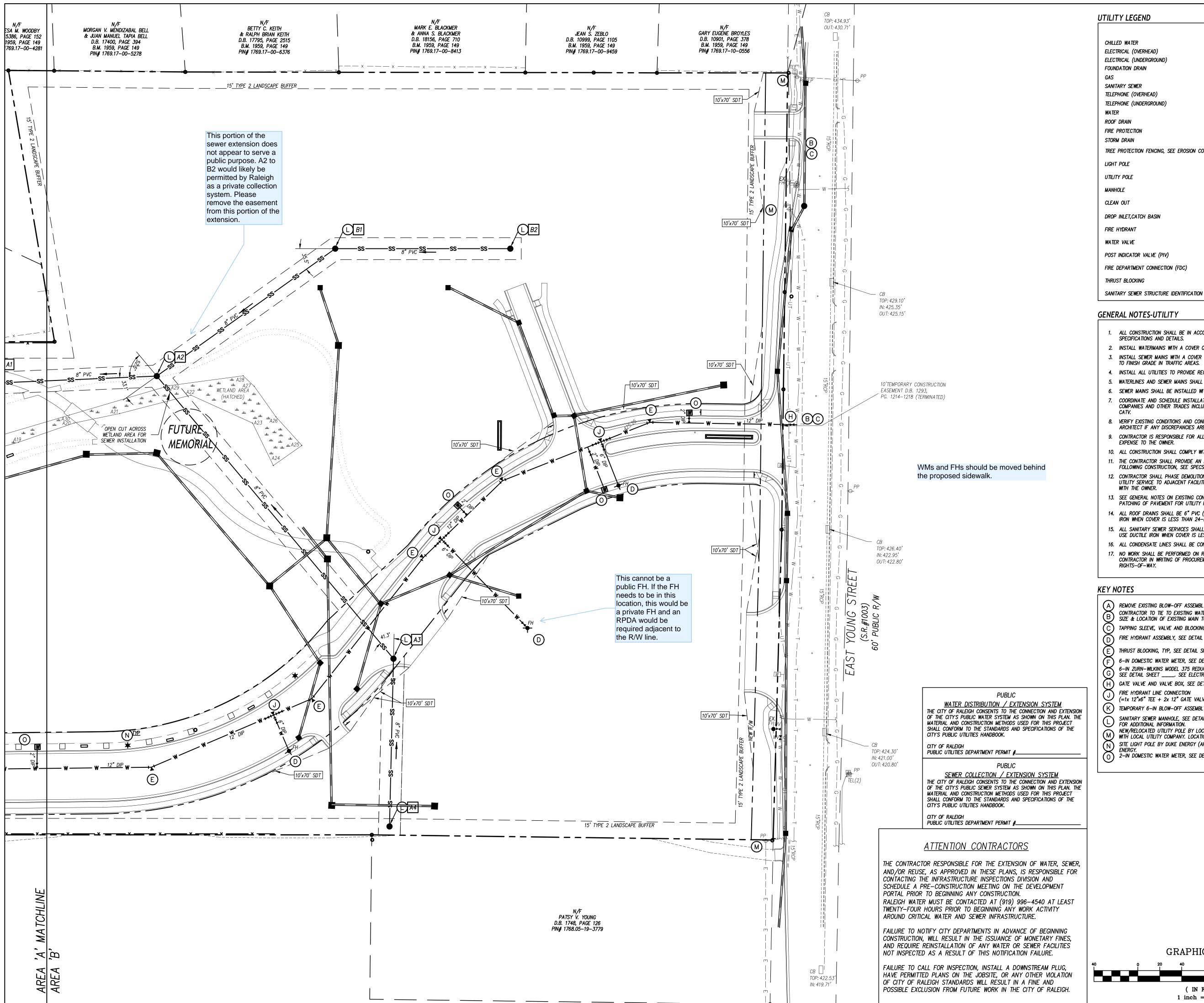
KELIMINAKY PLANS
FOR REVIEW ONLY

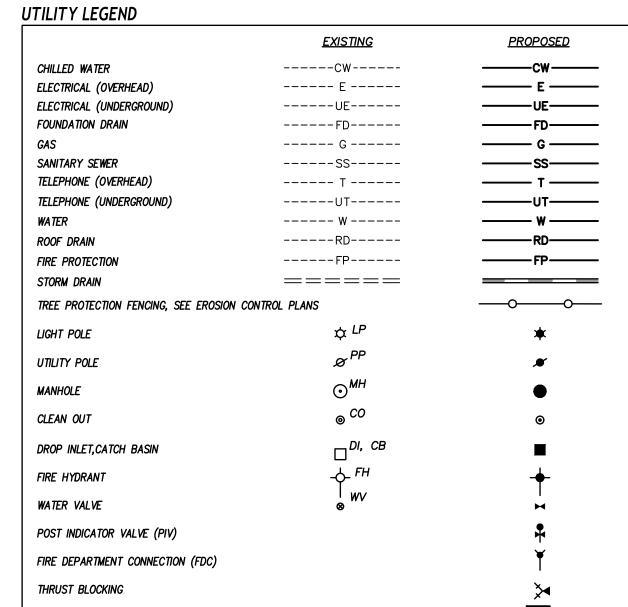
Rolesville Town Campus Infrastructure Package
408 EAST YOUNG STREET, ROLESWILE NC CONSTRUCTION DOCUMENTS Town of Rolesville PSP-25-03, CID-25-07

DESIGNED BY: KL, RW
DRAWN BY: PH, LM
DATE: 25-AUGUST-2025
PROJECT NO: 22-205

UTILITY PLAN AREA A

C-5.01





GENERAL NOTES-UTILITY

- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE AND NCDOT STANDARDS, SPECIFICATIONS AND DETAILS.
- 2. INSTALL WATERMAINS WITH A COVER OF NO LESS THAN 3-FT.
- 3. INSTALL SEWER MAINS WITH A COVER OF NO LESS THAN 3-FT TO FINISH GRADE IN NON-TRAFFIC AREAS, 4-FT TO FINISH GRADE IN TRAFFIC AREAS.
- 4. INSTALL ALL UTILITIES TO PROVIDE REQUIRED CLEARANCES AS INDICATED IN THE SPECIFICATIONS.
- 5. WATERLINES AND SEWER MAINS SHALL BE INSTALLED WITH A MINIMUM HORIZONTAL CLEARANCE OF 10-FT.
- 6. SEWER MAINS SHALL BE INSTALLED WITH A MINIMUM VERTICAL CLEARANCE OF 24-IN TO STORM DRAINAGE PIPES. COORDINATE AND SCHEDULE INSTALLATION OF ALL UTILITIES WITH OTHER PRIME CONTRACTORS, UTILITY
- COMPANIES AND OTHER TRADES INCLUDING BUT NOT LIMITED TO: NATURAL GAS, ELECTRICITY, TELEPHONE AND
- 8. VERIFY EXISTING CONDITIONS AND CONNECTIONS TO EXISTING UTILITIES PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT IF ANY DISCREPANCIES ARE DISCOVERED.
- 9. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES DURING CONSTRUCTION AND SHALL MAKE REPAIRS AT NO EXPENSE TO THE OWNER.
- 10. ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE NCSBC AND OSHA REQUIREMENTS.
- 11. THE CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY OF ALL UTILITY AND STORM DRAINAGE IMPROVEMENTS FOLLOWING CONSTRUCTION, SEE SPECS FOR ALL AS—BUILT REQUIREMENTS.
- 12. CONTRACTOR SHALL PHASE DEMOLITION AND NEW CONSTRUCTION TO ENSURE UNINTERRUPTED ACCESS AND UTILITY SERVICE TO ADJACENT FACILITIES. COORDINATE SHORT-TERM, OFF-HOUR, TEMPORARY SHUT- DOWNS
- 13. SEE GENERAL NOTES ON EXISTING CONDITIONS AND DEMOLITION PLAN FOR REQUIREMENTS FOR REMOVAL AND PATCHING OF PAVEMENT FOR UTILITY INSTALLATION.
- 14. ALL ROOF DRAINS SHALL BE 6" PVC (SCH 40) @ 1.04% MIN. SLOPE UNLESS INDICATED OTHERWISE. USE DUCTILE IRON WHEN COVER IS LESS THAN 24-IN.
- 15. ALL SANITARY SEWER SERVICES SHALL BE 4" PVC (SCH 40) @1.04% MIN. SLOPE UNLESS INDICATED OTHERWISE. USE DUCTILE IRON WHEN COVER IS LESS THAN 24—IN.
- 16. ALL CONDENSATE LINES SHALL BE CONNECTED TO STORM DRAINAGE SYSTEM.
- 17. NO WORK SHALL BE PERFORMED ON RIGHT-OF-WAYS OR ADJACENT PROPERTIES UNTIL THE OWNER NOTIFIES CONTRACTOR IN WRITING OF PROCUREMENT OF APPROPRIATE PERMITS, EASEMENTS, AGREEMENTS, OR

KEY NOTES

- A REMOVE EXISTING BLOW-OFF ASSEMBLY AND CONNECT 12-IN WATER MAIN TO EXISTING 12-IN WATER MAIN.
- CONTRACTOR TO TIE TO EXISTING WATER LINE. B CONTRACTOR TO THE TO EXISTING WATER LINE.

 SIZE & LOCATION OF EXISTING MAIN TO BE FIELD VERIFIED.
- (C) TAPPING SLEEVE, VALVE AND BLOCKING ASSEMBLY SEE SPECIFICATIONS.
- FIRE HYDRANT ASSEMBLY, SEE DETAIL SHEET _____
- (E) THRUST BLOCKING, TYP, SEE DETAIL SHEET ____.
- F 6-IN DOMESTIC WATER METER, SEE DETAIL SHEET ____.
- 6-IN ZURN-WILKINS MODEL 375 REDUCED PRESSURE BACKFLOW ASSEMBLY (RPA) WITHIN HEATED ENCLOSURE, ${ t G}$ see detail sheet $___$. see electrical plans for additional information.
- (H) GATE VALVE AND VALVE BOX, SEE DETAIL SHEET ____. FIRE HYDRANT LINE CONNECTION
- (=1x 12"x6" TEE + 2x 12" GATE VALVES + 1x 6" GATE VALVE + 1x THRUST BLOCK)

GRAPHIC SCALE

(IN FEET) 1 inch = 40 ft.

- (K) TEMPORARY 6-IN BLOW-OFF ASSEMBLY, SEE DETAIL SHEET ____.
- SANITARY SEWER MANHOLE, SEE DETAIL SHEET ____. SEE SANITARY SEWER PLAN AND PROFILE SHEETS ____. FOR ADDITIONAL INFORMATION.
- NEW/RELOCATED UTILITY POLE BY LOCAL UTILITY COMPANY. COORDINATE SCHEDULE, LOCATION, AND INSTALLATION WITH LOCAL UTILITY COMPANY. LOCATION SHOWN OF NEW POLE IS APPROXIMATE. SITE LIGHT POLE BY DUKE ENERGY (APPROXIMATE LOCATION). COORDINATE INSTALLATION & SCHEDULE WITH DUKE ENERGY.

 2-IN DOMESTIC WATER METER, SEE DETAIL SHEET _____.



UTILITY PLAN AREA B

C-5.02

Rolesville Infrastructu 408 EAST YOUNG S CONSTRUCT TOWN OF RO PSP-25-03,

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DOCUM

DESIGN

400 Regency Forest Dr.

LA: C-106, PE: C-1595

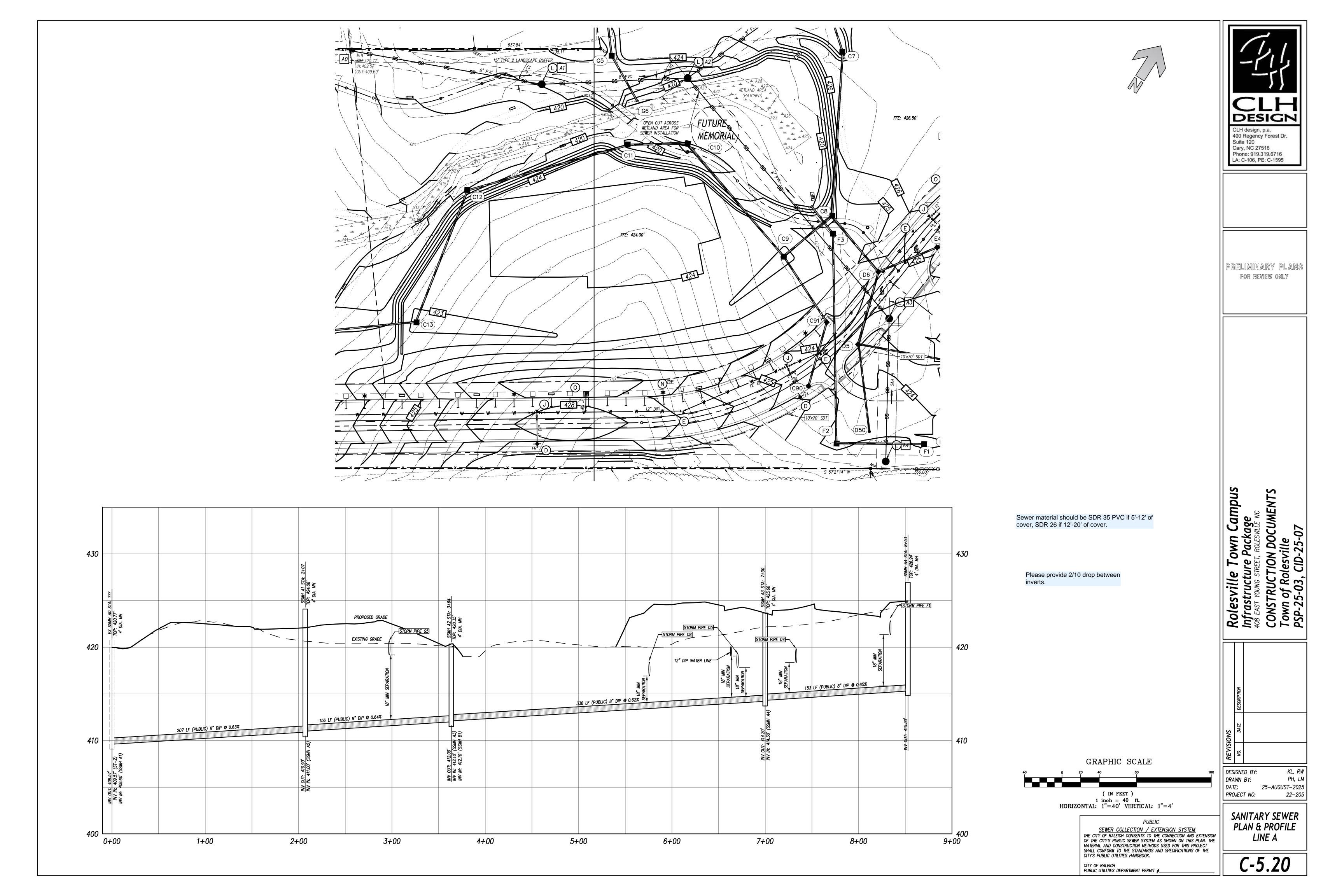
RELIMINARY PLANS

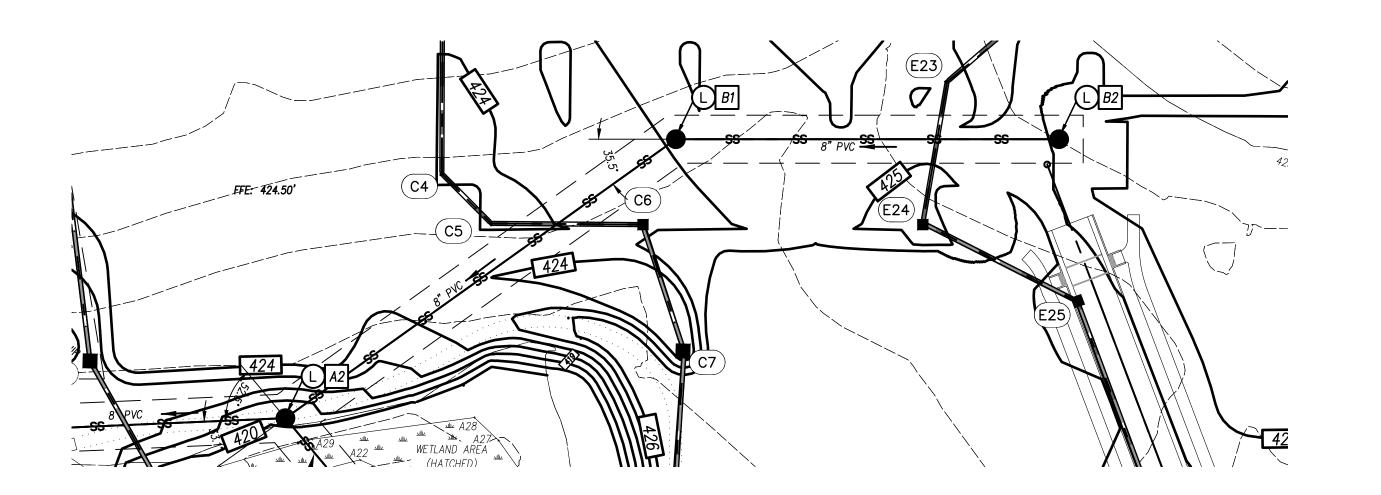
FOR REVIEW ONLY

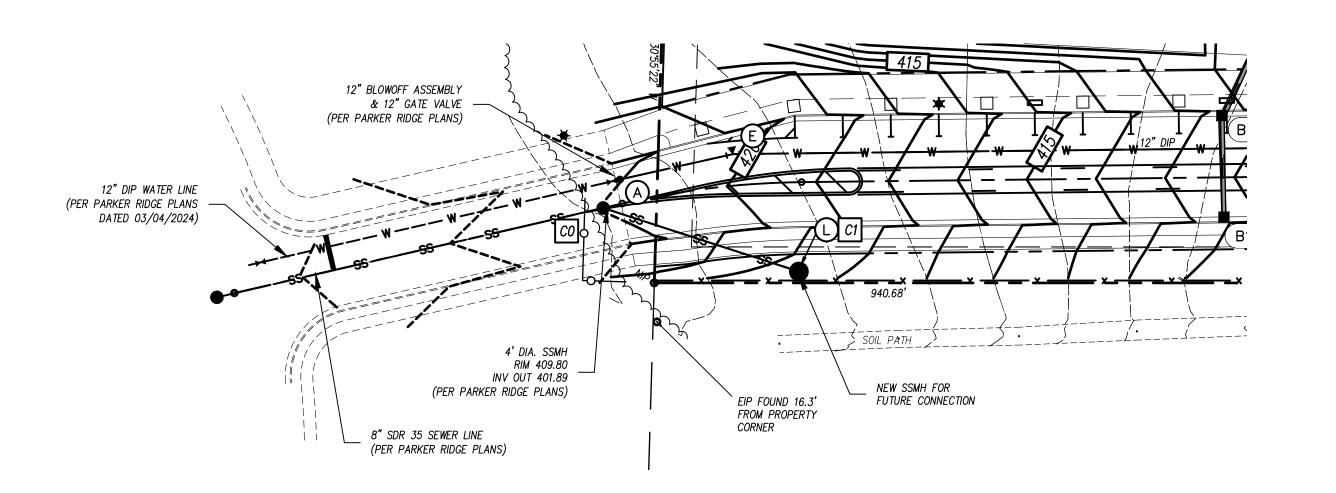
CLH design, p.a.

Cary, NC 27518 Phone: 919.319.6716

Suite 120







Sewer material should be SDR 35 PVC if 5'-12' of

Please provide 2/10 drop between

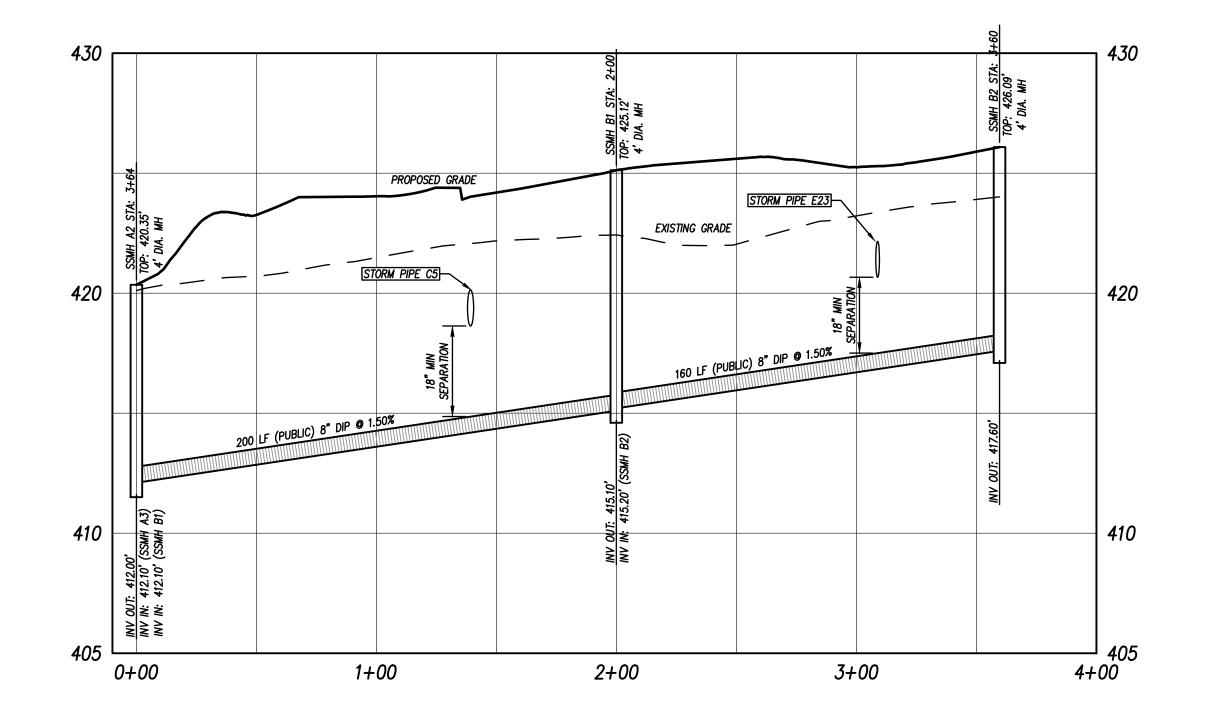
cover, SDR 26 if 12'-20' of cover.

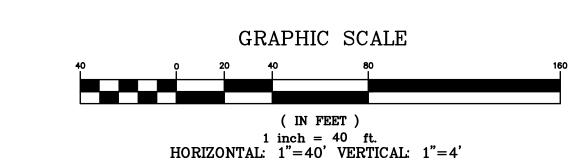
DESIGN CLH design, p.a. 400 Regency Forest Dr. Suite 120 Cary, NC 27518 Phone: 919.319.6716 LA: C-106, PE: C-1595

PRELIMINARY PLANS FOR REVIEW ONLY

Rolesville Town Campus Infrastructure Package
408 EAST YOUNG STREET, ROLESWILE NC
CONSTRUCTION DOCUMENTS
Town of Rolesville
PSP-25-03, CID-25-07

PROPOSED GRADE 86 LF (PUBLIC) 8" DIP @ 0.65% ____ 395 1+00 0+00





PUBLIC

SEWER COLLECTION / EXTENSION SYSTEM

THE CITY OF RALEIGH CONSENTS TO THE CONNECTION AND EXTENSION OF THE CITY'S PUBLIC SEWER SYSTEM AS SHOWN ON THIS PLAN. THE MATERIAL AND CONSTRUCTION METHODS USED FOR THIS PROJECT SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY'S PUBLIC UTILITIES HANDBOOK. CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT PERMIT #

DRAWN BY:
DATE:
PROJECT NO: 22-205 SANITARY SEWER PLAN & PROFILE LINES B&C

25-AUGUST-2025

DESIGNED BY:

C-5.21