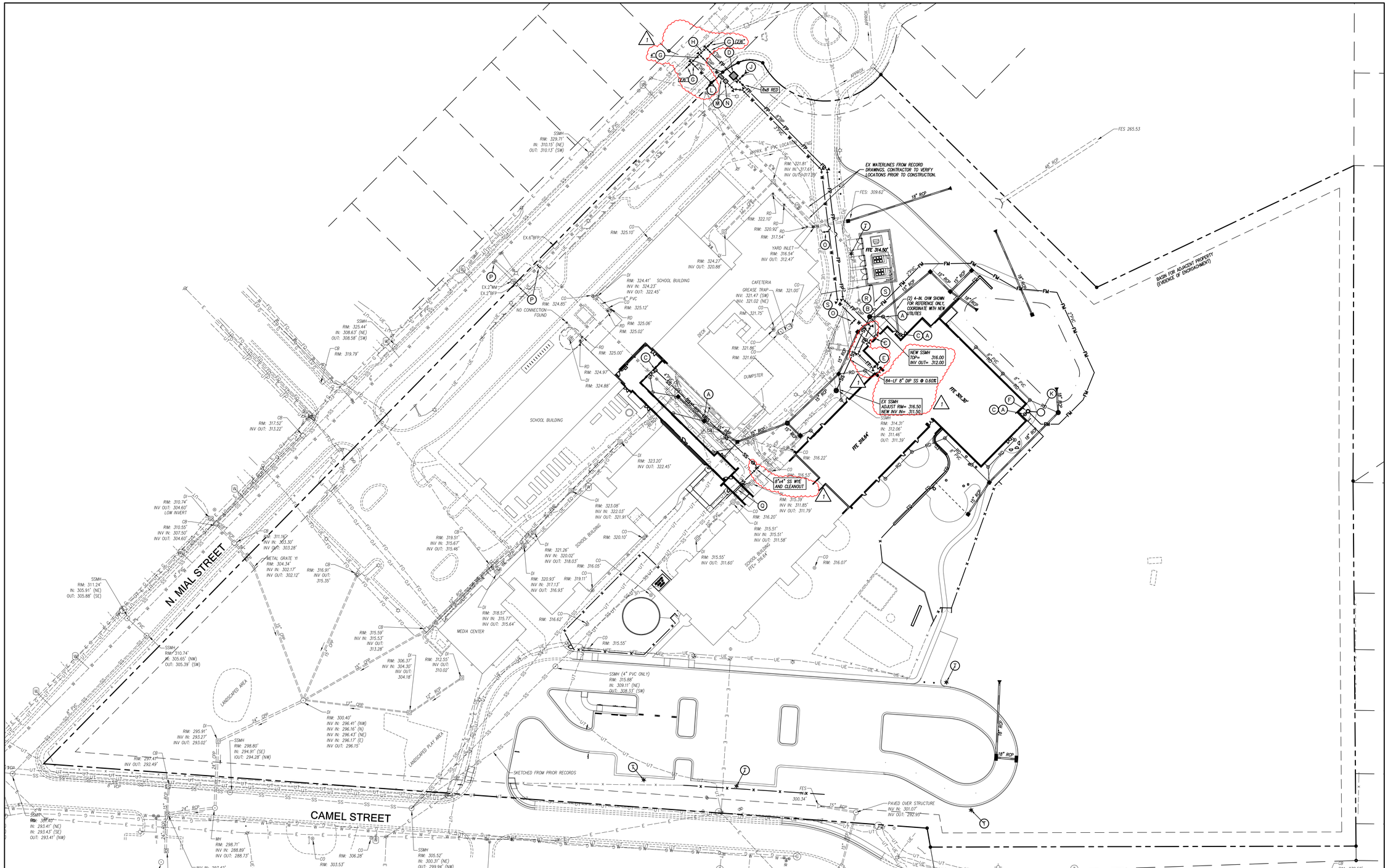

GENERAL NOTES-UTILITY

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL TOWN OF CLAYTON 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.
7. 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 CATV.
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.
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 WITH THE OWNER.
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) @0.04% 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 RIGHTS-OF-WAY.

UTILITY LEGEND

	EXISTING	PROPOSED
CHILLED WATER	CW	CW
ELECTRICAL (OVERHEAD)	E	E
ELECTRICAL (UNDERGROUND)	UE	UE
FOUNDATION DRAIN	FD	FD
GAS	G	G
SANITARY SEWER	SS	SS
TELEPHONE (OVERHEAD)	T	T
TELEPHONE (UNDERGROUND)	UT	UT
WATER	W	W
ROOF DRAIN	RD	RD
FIRE PROTECTION	FP	FP
STORM DRAIN		
TREE PROTECTION FENCING (SEE EROSION CONTROL PLANS)		

	EXISTING	PROPOSED
LIGHT POLE	LP	
UTILITY POLE	PP	
MANHOLE	MH	
CLEAN OUT	CO	
DROP INLET,CATCH BASIN	DI, CB	
FIRE HYDRANT	FH	
WATER VALVE	WV	
POST INDICATOR VALVE (PIV)		
FIRE DEPT CONNECTION (FDC)		
THRUST BLOCKING		
SANITARY SEWER STRUCTURE ID		1

KEY NOTES

(A) SANITARY SEWER CLEANOUT, TYP. SEE DETAIL SHEET C711.

(B) SANITARY SEWER MANHOLE, SEE DETAIL SHEET C711.

(C) EXTEND UTILITY TO WITHIN 5'-0" OF BUILDING WALL OR AS INDICATED ON PLUMBING PLANS. REFER TO PLUMBING PLANS FOR LOCATION AND INVERTS.

(D) 6-IN REDUCED PRESSURE DETECTOR BACKFLOW ASSEMBLY (RPDA) WITHIN HEATED ENCLOSURE, SEE DETAIL SHEET C710.

(E) EXTEND WATERLINE TO 12-IN ABOVE FINISH FLOOR FOR FIRE PROTECTION CONNECTION, SEE DETAIL SHEET C710. INSTALL 8"x6" REDUCER PRIOR TO ENTERING BLDG. REFER TO FIRE PROTECTION PLANS FOR EXACT LOCATION.

(F) PRIVATE SEWER PUMP STATION, SEE DETAIL SHEET C711

(G) GATE VALVE AND VALVE BOX, SEE DETAIL SHEET C709.

(H) REMOVE AND REPLACE ±45-LF OF EX. 6-IN WATERMAIN WITH NEW 6" DIP WATERMAIN, TEE FITTINGS AND VALVES. COORDINATE TEMP MAIN SHUT-DOWN WITH TOWN OF CLAYTON WATER RESOURCES AND ENGINEERING DEPARTMENT PRIOR TO COMMENCEMENT OF WORK.

(J) FIRE DEPARTMENT CONNECTION.

(K) PRECAST SANITARY SEWER STORAGE VAULT. SEE DETAIL SHEET C711.

(L) FIRE HYDRANT, SEE DETAIL SHEET C710.

(M) 3-IN DOMESTIC METER IN VAULT.

(N) 3-IN REDUCED PRESSURE ASSEMBLY WITHIN HEATED ENCLOSURE, SEE DETAIL SHEET C710

(O) CONNECT NEW WATER SERVICE TO EXISTING 2.5" WATER SERVICE WITH 3" GATE VALVE.

(P) REMOVE EX 2-IN BACKFLOW PREVENTER AND 2-IN METER. DISCONNECT EX SERVICE LINE AT PUBLIC MAIN AND CAP EX LINE NEAR SERVICE BRANCH TO EX BUILDING. SCHEDULE DISCONNECTION FOLLOWING INSTALLATION OF AND CONNECTION OF NEW WATER SERVICE. TOWN OF CLAYTON NOTE: ABANDONMENT OF EXISTING SERVICE SHALL BE COORDINATED WITH TOWN OF CLAYTON WATER RESOURCES AND ENGINEERING DEPARTMENT PRIOR TO COMMENCEMENT OF WORK.

(Q) REMOVE AND REPLACE ±50-LF OF EX. VCP SS PIPE WITH NEW 8" DIP. PROVIDE ±30-LF SECTION OF 16" STEEL ENCASEMENT WHERE LINE PASSES UNDER BLDG. SEE DETAIL SHEET C711. COORDINATE TEMP MAIN SHUT-DOWN WITH TOWN OF CLAYTON WATER RESOURCES AND ENGINEERING DEPARTMENT PRIOR TO COMMENCEMENT OF WORK.

(R) APPROXIMATE LOCATION AND SIZE OF NEW GAS METER. COORDINATE WITH MEP AND LOCAL UTILITY COMPANY.

(S) APPROXIMATE LOCATION OF NEW GAS SERVICE. COORDINATE WITH MEP AND LOCAL UTILITY COMPANY FOR LOCATION AND SIZE.

(T) APPROXIMATE LOCATION OF LIGHTPOLE. SEE ELECTRICAL DRAWINGS

Town of Clayton Planning Department

Planning Director:

Official Document

This document has been reviewed by the Town of Clayton and to the best of our knowledge and belief, conforms to all laws, ordinances, policies and specifications that are applicable. Approval by the Town shall not relieve the Applicant and/or Design Professional from the responsibility for adequacy of design or for errors or omissions in the plans and specifications and meeting all applicable standards and regulations.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

boomerang DESIGN
rethink, repurpose, results

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LA: C-106, PE: C-1595

COOPER ACADEMY A & R

PROJECT TITLE

"CLIENT'S PROJECT" # - XXX

Digitally signed by Steven J. Miller
Date: 2024.02.20 14:30:45-05'00'

NORTH CAROLINA PROFESSIONAL SEAL 022625 ENGINEER STEVEN J. MILLER

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3. DO NOT SCALE OFF DIMENSIONS.

REVISIONS

NO.	DATE	DESCRIPTION
1	2/20/24	ADDENDUM #1

BID DOCUMENTS

PROJECT PHASE

2307

BOOMERANG DESIGN PROJECT NUMBER

02.07.24

DRAWING RELEASE DATE

UTILITY PLAN

SHEET TITLE

C501

SHEET