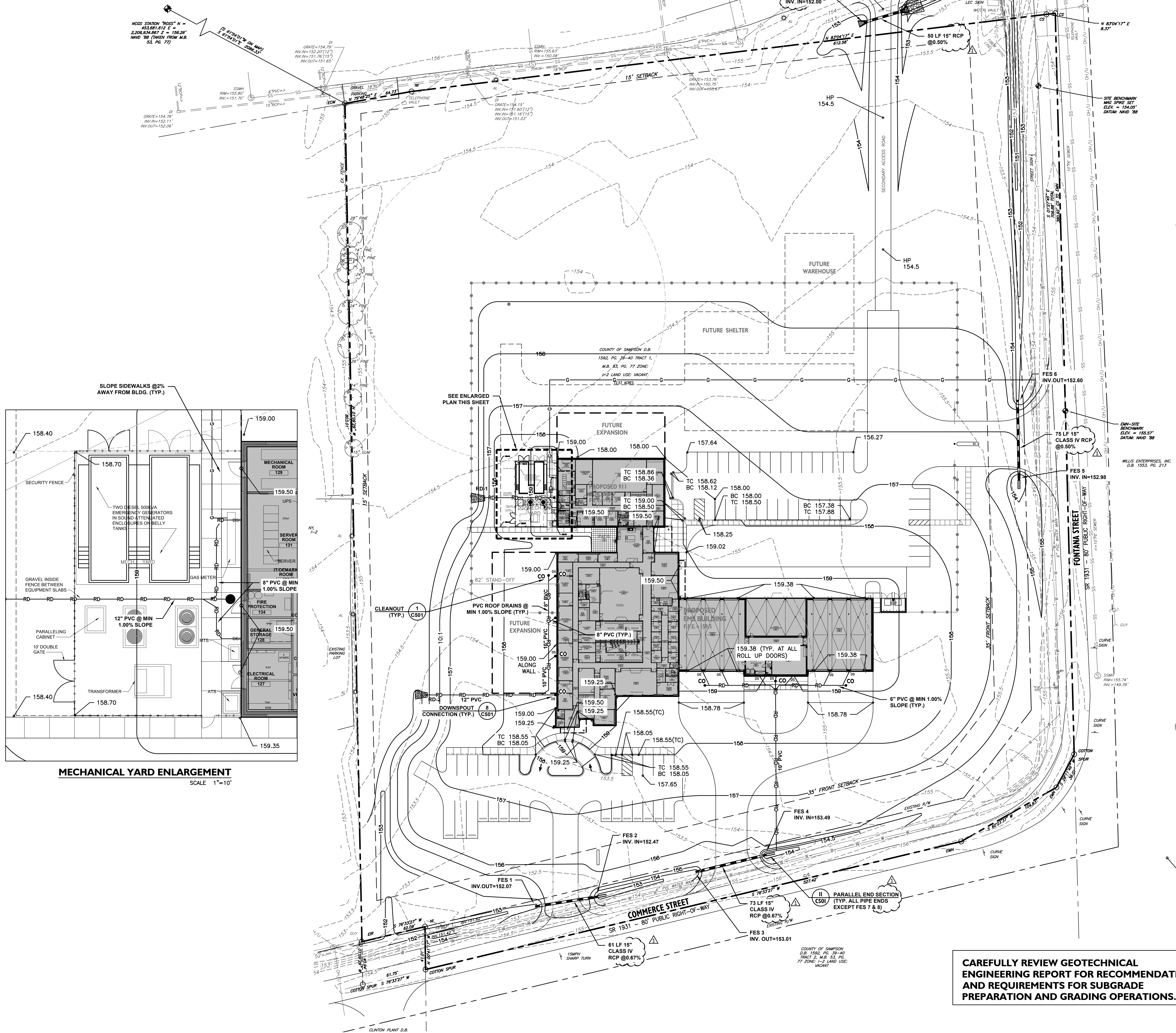


VICINITY MAP
NTS



GRADING AND DRAINAGE NOTES

1. EARTHWORK QUANTITIES HAVE NOT BEEN ESTIMATED AND SITE AS SHOWN IS NOT ASSUMED TO REPRESENT A BALANCED CUTOFF CONDITION.
2. CONTRACTOR SHALL PERFORM HIS OWN ESTIMATES AND SHALL PROVIDE ALL EARTHWORK NECESSARY TO ACHIEVE THE DESIGN GRADE, INCLUDING ANY OFFSITE BORROW OR SPOILS REQUIRED.
3. ROOF LEADERS SHALL BE SCH 40 PVC. MINIMUM COVER SHALL BE 18". MINIMUM SLOPE SHALL BE 1%. PROVIDE CLEANOUTS AT ALL CONNECTIONS WITH BUILDING DRAIN AND WHERE INDICATED. REFER TO ARCHITECTURAL DWGS. FOR THE EXACT LOCATION OF ROOF DRAINS AT THE BUILDING.
4. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE IN ALL GRADED AREAS, INCLUDING PAVING, LAWN AND LANDSCAPE AREAS.
5. THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE ARCHITECT ANY DISCREPANCIES FOUND BETWEEN ACTUAL FIELD CONDITIONS AND CONSTRUCTION DOCUMENTS AND SHALL WAIT FOR INSTRUCTION PRIOR TO PROCEEDING.
6. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK. BOTH PUBLIC AND PRIVATE. CONTRACTOR IS FULLY RESPONSIBLE FOR ALL UNDERGROUND UTILITIES AND SHALL REPAIR ANY DAMAGE AS A RESULT OF THIS CONTRACT.
7. CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY TO TRANSITION BACK TO EXISTING GRADE.
8. THE PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN IN DRIVES, PARKING LOTS AND SIDEWALKS ARE FINISHED ELEVATIONS INCLUDING ASPHALT. REFER TO PAVEMENT CROSS SECTION DATA TO ESTABLISH CORRECT SUBBASE OR AGGREGATE BASE COURSE ELEVATIONS TO BE COMPLETED UNDER THIS CONTRACT.
9. PROPOSED SPOT ELEVATIONS SHOWN REFER TO BOTTOM OF CURB UNLESS OTHERWISE NOTED ON PLAN.
10. PIPE LENGTHS SHOWN ARE THE ENGINEER'S ESTIMATE USED TO COMPUTE PIPE SLOPES AND INVERTS AND SHALL NOT BE CONSTRUED BY THE CONTRACTOR TO REPRESENT THE ACTUAL QUANTITY OF PIPE REQUIRED.
11. CROSS SLOPE OF SIDEWALKS SHALL BE 2% (MAX).
12. SLOPES SHALL BE GRADED NO STEEPER THAN 2:1.
13. NO DISTURBANCE OR COMPACTION, CONSTRUCTION MATERIALS, TRAFFIC, BURIAL PITS, TRENCHING OR OTHER LAND DISTURBING ACTIVITY ALLOWED IN THE TREE PROTECTION ZONE. TREE BARRICADES MUST BE INSTALLED BEFORE ANY DEMOLITION, GRADING OR CONSTRUCTION BEGINS, AND NOT REMOVED UNTIL FINAL INSPECTION.
14. NO GRUBBING WITHIN TREE PROTECTION ZONE. LEAVE SOIL AND LEAF LITTER UNDISTURBED. SUPPLEMENT WITH 1/2 INCHES OF MULCH. RE-SEED WITH GRASS ONLY IN DISTURBED/GRADED AREAS.
15. BRUSH, VINES AND SMALL TREES (<8 IN. DIA. OR AS SMALL AS 2 IN. CALIPER) MAY BE HAND CLEARED ONLY CUT FLUSH WITH GROUND SURFACE. EXISTING TREES MAY BE LIMBED UP 6 FEET (AT LEAST 2/3 OF THE BRANCHES SHOULD BE LEFT) TO IMPROVE VISIBILITY.
16. EXPOSED TREE ROOTS MUST BE CLEANLY CUT WITH A SHARP PRUNING TOOL; BACKFILL ASAP TO MINIMIZE EXPOSURE TO THE AIR.
17. UNLESS OTHERWISE NOTED, THE PHYSICAL CONNECTION TO THE DOWNSPOUTS SHALL BE MADE BY THE SITE GRADING CONTRACTOR.
18. PIPE LENGTHS SHOWN ON CULVERTS INCLUDE FLARED END SECTIONS.
19. IN ORDER TO ENSURE ADEQUATE DRAINAGE, FLOW LINES IN GUTTERS SHALL BE 0.50% MINIMUM.

LEGEND

EXISTING SIGN	EXISTING CURB AND GUTTER
EXISTING IRON PIN	PROPOSED CURB AND GUTTER
EXISTING UTILITY POLE	PROPERTY LINE
EXISTING LIGHT POLE	EXISTING FENCE
RIGHT-OF-WAY	EXISTING UNDERGROUND ELECTRIC LINE
ACCESSIBLE SPACE	EXISTING OVERHEAD UTILITY LINE
EXISTING TREE TO REMAIN	EXISTING UNDERGROUND TELEPHONE LINE
EXISTING FIRE HYDRANT	EXISTING FIBER OPTIC LINE
EXISTING WATER VALVE	EXISTING SANITARY SEWER LINE
EXISTING WATER METER	EXISTING WATER LINE
EXISTING SEWER MANHOLE	EXISTING GAS LINE
EXISTING STORM MANHOLE	EXISTING CONTOUR LINE
PROPOSED STORM MANHOLE	PROPOSED CONTOUR LINE
PROPOSED FLARED END SECTION	EXISTING STORM DRAINAGE PIPE
EXISTING DRAINAGE STRUCTURE	PROPOSED STORM DRAINAGE PIPE
PROPOSED DRAINAGE STRUCTURE	PROPOSED ROOF DRAIN PIPE
EXISTING SPOT ELEVATION	EXISTING TREE LINE
PROPOSED SPOT ELEVATION	EXISTING GAS VALVE
PROPOSED CLEANOUT	EXISTING GAS METER
PROPOSED DOWNSPOUT	

CAREFULLY REVIEW GEOTECHNICAL
ENGINEERING REPORT FOR RECOMMENDATIONS
AND REQUIREMENTS FOR SUBGRADE
PREPARATION AND GRADING OPERATIONS.



SCALE: 1"=40'



Alfred Benesch & Company
2359 Perimeter Pointe Parkway, Suite 350
Charlotte, NC 28208
www.benesch.com
704.521.9880


Corp. NC License: F-1320
Project #17.000357.01

SAMPSON
COUNTY
911 & ES
FACILITIES

CLINTON,
NORTH CAROLINA

CONSTRUCTION
DOCUMENTS

GRADING AND
DRAINAGE PLAN

DATE	12.04.2020	
PROJECT NO	20003	
REVISIONS		
NUM.	DATE	DESCRIPTION:
	12.17.20	Revision 1

THIS DRAWING IS THE PROPERTY OF ADW ARCHITECTS, P.A. AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART. IT SHALL NOT BE USED ON ANY OTHER PROJECT OR GIVEN TO ANY OTHER COMPANY OR AGENCY WITHOUT THE CONSENT OF ADW ARCHITECTS, P.A.



SEAL

SHEET NUMBER

C304