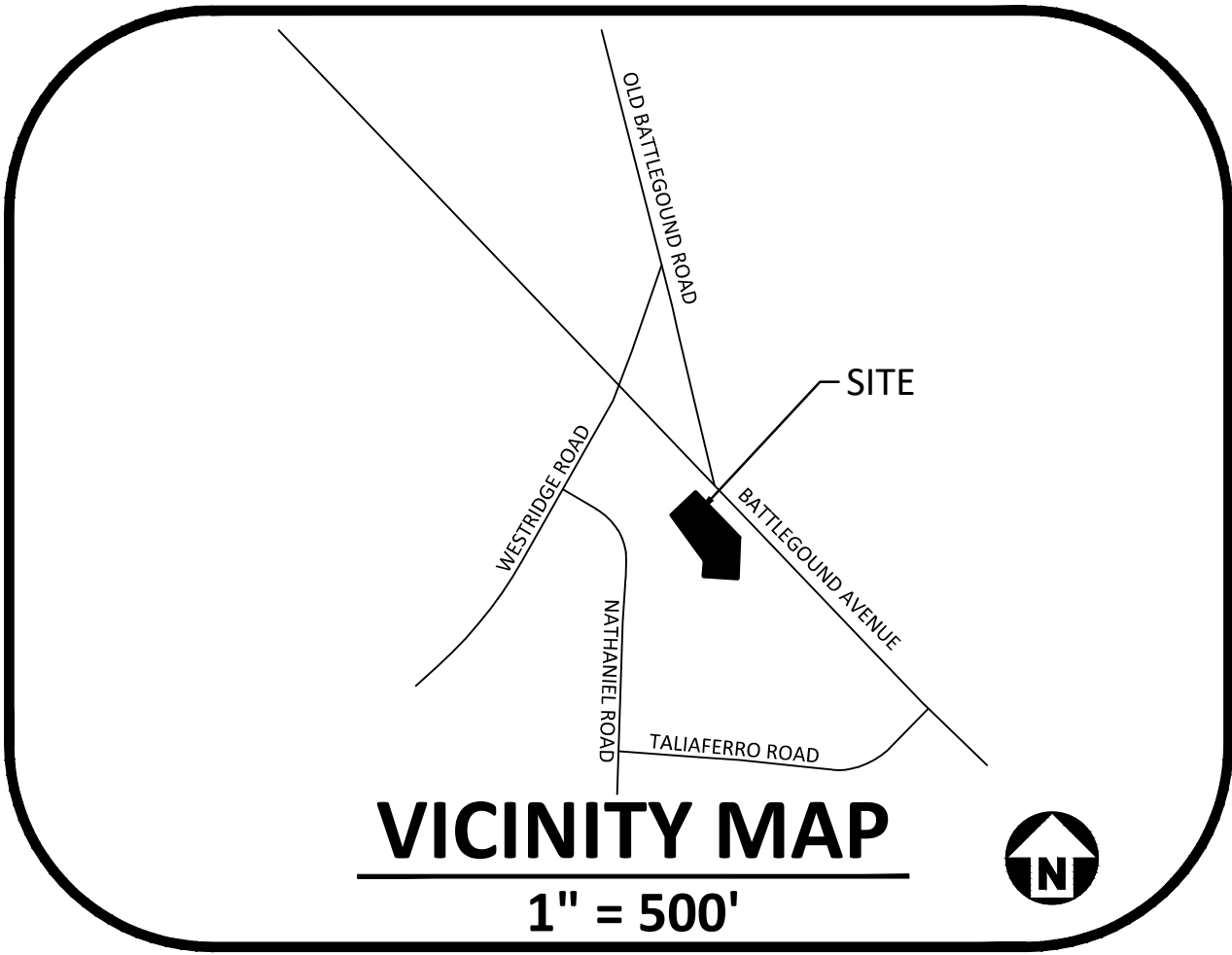
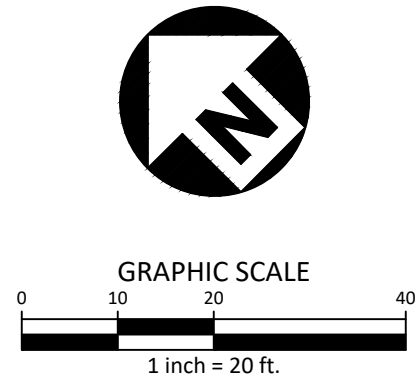
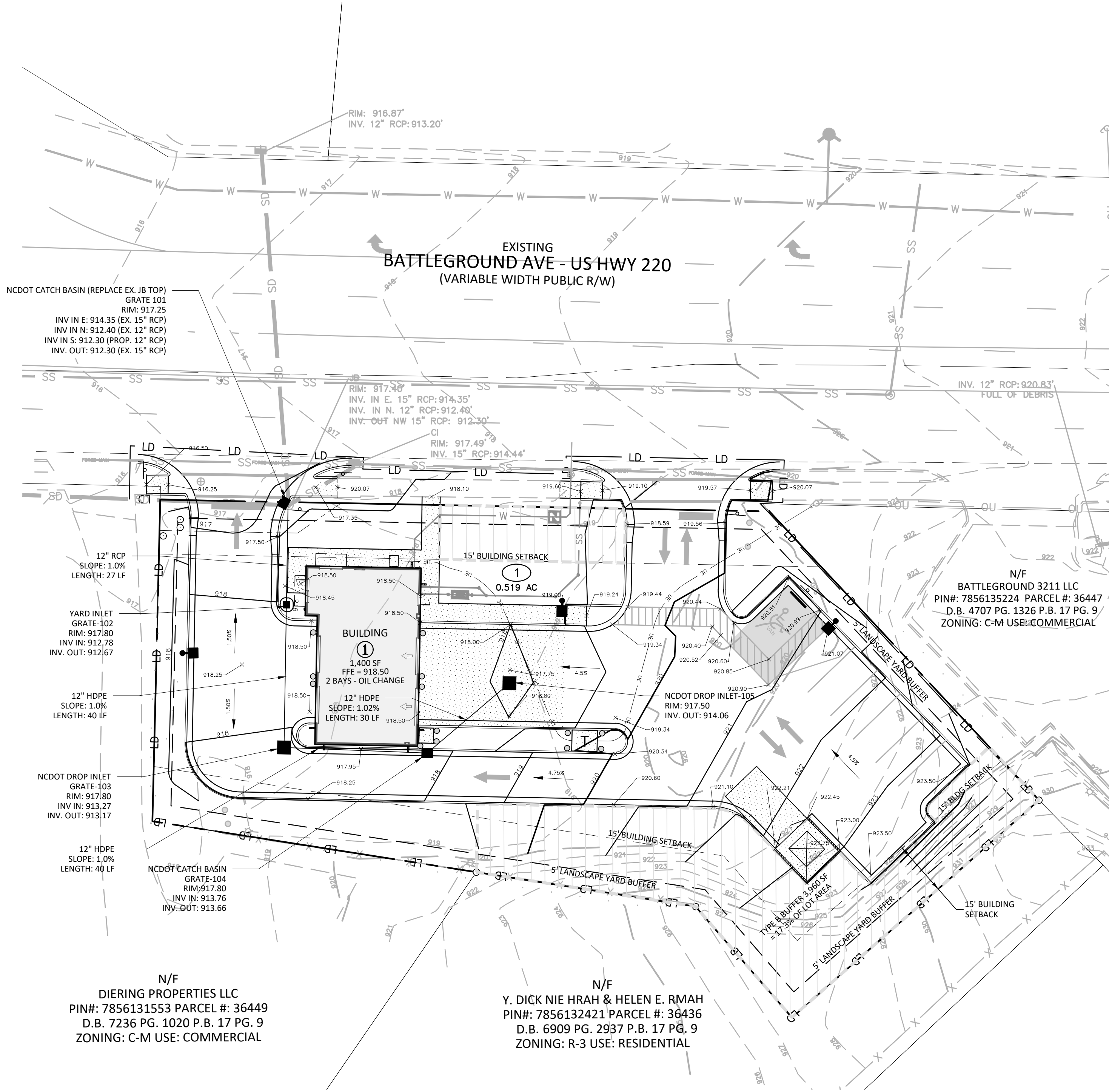


\\Projects\N\110459\04-Production\Engineering\Construction Drawings\Current Drawings\2021110459-G1.dwg, 12/21/2021, 2:38:59 PM, Angie Paula



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.



GRADING NOTES

- 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.
- 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.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF GREENSBORO, AND/OR NCDOT STANDARDS AND SPECIFICATIONS AS APPLICABLE.
- CONTRACTOR SHALL NOTIFY "NC811" 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.
- PRIOR TO BEGINNING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH CITY OF GREENSBORO STORMWATER AND EROSION CONTROL DEPARTMENT, THE ENGINEER AND A REPRESENTATIVE OF THE OWNER.
- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCH MARKS NECESSARY.
- 5'X5' PAD AT DOORS WITH MAXIMUM 2% SLOPE IN ALL DIRECTIONS.
- SIDEWALK TO BE MAXIMUM 5% SLOPE AND 2% CROSS SLOPE AND 5'X5' PAD 2% IN ALL DIRECTIONS AND CHANGES OF DIRECTION.
- ADA PATHS TO BE MAXIMUM 5% LONGITUDINAL SLOPE AND 2% CROSS SLOPE.

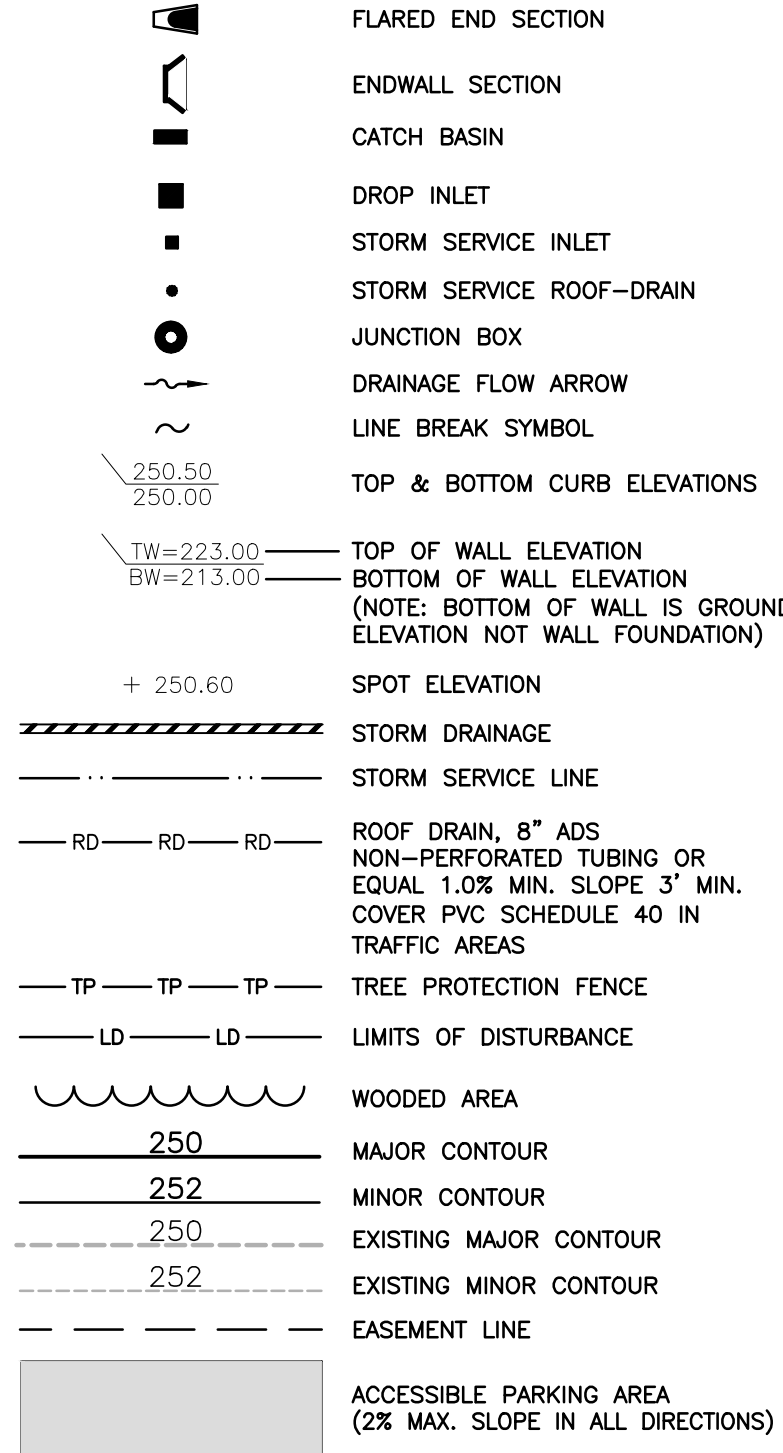
STORM DRAINAGE NOTES:

- ALL STORM DRAINAGE PIPES SHOWN SHALL BE REINFORCED CONCRETE (RCP) (MINIMUM CLASS III) UNLESS NOTED OTHERWISE. CONTRACTOR TO COORDINATE WITH THE GEOTECH TO VERIFY TYPE OF BEDDING REQUIRED BASED ON SOIL CONDITIONS. CONTRACTOR TO SELECT REQUIRED CLASS OF PIPE BASED ON DEPTH OF PIPE AND BEDDING PROVIDED PER THE AMERICAN CONCRETE PIPE ASSOCIATION GUIDELINES.
- ALL STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST CITY OF GREENSBORO STANDARDS.
- ALL CONCRETE SHALL MEET A MINIMUM 3000 PSI COMPRESSIVE STRENGTH.
- ALL PIPE IN STORM DRAIN STRUCTURES SHALL BE STRUCK EVEN WITH INSIDE WALL.
- 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.
- 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.
- 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.
- MATERIALS DEEMED BY THE OWNER'S REPRESENTATIVE AS UNSUITABLE FOR BACKFILL PURPOSES SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
- BACKFILLING OF TRENCHES SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PIPE IS LAID. THE FILL AROUND THE PIPE SHALL BE THOROUGHLY COMPACTED TO 98% OF THE MAXIMUM DRY DENSITY OBTAINABLE WITH THE STANDARD PROCTOR TEST. THE TOP EIGHT (8) INCHES SHALL BE COMPACTED TO 100 PERCENT STANDARD PROCTOR.
- UNDER NO CIRCUMSTANCES SHALL WATER BE ALLOWED TO RISE IN UNBACKFILLED TRENCHES AFTER PIPE HAS BEEN PLACED.
- IF THE USE OF WAFFLE BOXES ARE ALLOWED AT THIS SITE, ALL PENETRATIONS FOR STORM DRAINAGE PIPES MUST BE MADE WITHIN THE KNOCK-OUT PORTION OF THE BOX AND NOT AT THE CORNERS WHERE THE STRUCTURAL INTEGRITY MAY BE COMPROMISED.

STANDARD NOTES:

- PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, CONSTRUCTION FENCE OR TREE PROTECTION FENCING (IF APPLICABLE) SHALL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES. NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
- ANY TREES AND/OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARRICADED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING, GRADING, OR STAGING OF MATERIALS WILL OCCUR IN THOSE AREAS.
- PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT, AND CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTION ON TREE PROTECTION METHODS.
- CONTACT THE NORTH CAROLINA ONE CALL CENTER AT 1-800-632-4949 AT LEAST THREE (3) FULL BUSINESS DAYS PRIOR TO DOING ANY DIGGING, CLEARING, OR GRADING.
- ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER 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.

GRADING LEGEND



CITY OF GREENSBORO NOTES:

- LANDINGS OUTSIDE OF ALL DOORS SHALL BE SIZED PER THE NORTH CAROLINA BUILDING CODE (NCBC), BE AT THE SAME ELEVATION AS THE FFE, AND SHALL HAVE A MAX 2% SLOPE IN ANY DIRECTION INCLUDING THE DIAGONAL.
- THE SLOPES IN THE H.C. PARKING SPACE/ACCESS AISLE AREA SHALL NOT EXCEED 2% IN ANY DIRECTION INCLUDING THE DIAGONAL.
- THERE SHALL BE LEVEL TURNING AREAS (MAX 2% SLOPE IN ANY DIRECTION INCLUDING THE DIAGONAL) ON ALL SIDEWALKS WHERE AN INTERSECTING SIDEWALK CONNECTS WITH IT.
- THERE SHALL BE NO DESIGNATED PEDESTRIAN ROUTES/ SIDEWALKS WITHIN THE SITE, EXCEPT WHERE LABELED AS A RAMP WITH RAILS, WHICH EXCEED 5% SLOPE IN THE DIRECTION OF TRAVEL AND A 2% CROSS SLOPE.
- ALL PEDESTRIAN ROUTES > 5% (1:20), IF ANY, ARE LABELED AS "RAMPS" SHOWING SLOPES. LEVEL LANDINGS AT TOP AND BOTTOM (MAX 2% SLOPE IN ANY DIRECTION INCLUDING THE DIAGONAL), RAILINGS, GUARDRAILS, AND SHALL COMPLY WITH NCBC.
- ALL STAIRS SHALL HAVE SLIGHTLY SLOPED LANDINGS (MAX 2% IN ANY DIRECTION INCLUDING THE DIAGONAL) AT THE TOP AND BOTTOM AND SHALL COMPLY WITH NCBC.
- ALL RETAINING WALLS > 4' REQUIRE A BUILDING PERMIT FROM BUILDING INSPECTIONS.
- STAIRS/STEPS WITH LESS THAN A 12" ELEVATION CHANGE SHALL COMPLY WITH NCBC 1003.5.

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

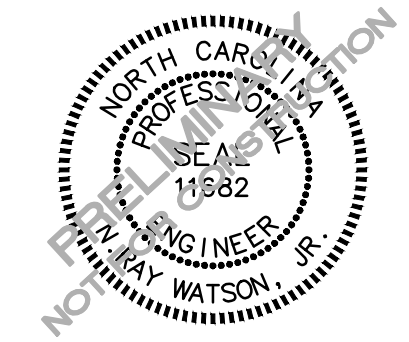
PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

CLIENT

N3 REAL ESTATE
1240 N KIMBALL AVE
SOUTHLAKE, TX 76092
PHONE: 817. 348. 8748



STRICKLAND BROTHERS
OIL CHANGE
SITE PLAN SUBMITTAL
3223 BATTLEGROUND AVE.
GREENSBORO, NORTH CAROLINA



REVISIONS

NO.	DATE	DESCRIPTION
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PLAN INFORMATION

PROJECT NO.	2021110459
FILENAME	2021110459-G1
CHECKED BY	NRW
DRAWN BY	KST
SCALE	1" = 20'
DATE	12. 21. 2021

SHEET

**GRADING AND STORM
DRAINAGE PLAN**
C3.00