

JONES DAIRY ROAD WIDENING IS UNDER SEPARATE COVER AND HAS BEEN ALREADY BEEN SUBMITTED. IT IS CURRENTLY UNDER REVIEW

AVERETTE ROAD WIDENING IS UNDER SEPARATE COVER AND HAS BEEN ALREADY BEEN SUBMITTED. IT IS CURRENTLY UNDER REVIEW

**STORM DRAINAGE NOTES**

- RIM ELEVATION FOR A CATCH BASIN (CB) OR CURB INLET (CI) IS TOP OF CURB (T/C). RIM ELEVATION FOR DROP INLET (DI) OR YARD INLET (YI) IS TOP OF BOX OR TOP OF GRATE (NOT SLAB). RIM ELEVATION FOR A MAN-HOLE (MH) OR JUNCTION BOX (JB) IS CENTER OF THE STRUCTURE COVER.
- ALL STORM DRAINAGE PIPES SHALL BE CLASS III REINFORCED CONCRETE PIPE (RCP) UNLESS NOTED OTHERWISE.
- ALL STORM DRAINAGE PIPE IN TRAFFIC AREAS SHALL HAVE A MINIMUM COVER OF 2 FEET TO THE PIPE CROWN UNLESS OTHERWISE APPROVED.
- ALL STORM DRAINAGE PIPE IN TRAFFIC NON-AREAS SHALL HAVE A MINIMUM COVER OF 1 FOOT TO THE PIPE CROWN UNLESS OTHERWISE APPROVED.
- ALL CONCRETE SHALL MEET A MINIMUM 3000 PSI COMPRESSIVE STRENGTH.
- ALL PIPE IN STORM DRAINAGE STRUCTURES SHALL BE STRUCK EVEN WITH THE INSIDE WALL.
- ALL PIPE JOINTS SHALL BE MADE WITH PREFORMED JOINT SEALER WHICH CONFORMS TO AASHTO SPECIFICATION M-198 FOR TYPE B FLEXIBLE PASTIC GASKETS UNLESS OTHERWISE NOTED.
- EACH DRAINAGE STRUCTURE SHALL HAVE A SHAPED INVERT CONSTRUCTED FROM CONCRETE, AND A BENCH WITH A MAXIMUM 5:1 SLOPE. THE BENCH SHALL BEGIN AT A HEIGHT OF ONE-HALF THE PIPE DIAMETER FOR 12 TO 24 INCH PIPE, ONE-THIRD THE PIPE DIAMETER FOR 30 - 48 INCH PIPE, AND ONE-FOURTH THE DIAMETER FOR PIPE GREATER THAN 48 INCHES.
- ALL BACKFILL SHALL BE NON-PLASTIC IN NATURE, FREE FROM ROOTS, VEGETATIVE MATTER, WASTE, CONSTRUCTION MATERIAL OR OTHER OBJECTIONABLE MATERIAL. SUITABLE SOILS SHALL BE CAPABLE OF COMPACTED BY MECHANICAL MEANS AND SHALL HAVE NO TENDENCY TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER TAMPING BLOWS OR PROOF ROLLING.
- MATERIALS DEEMED AS UNSUITABLE FOR BACKFILL PURPOSES SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
- BACKFILLING OF TRENCHES SHALL BE PERFORMED IMMEDIATELY AFTER PIPE IS LAID. THE FILL AROUND AND ABOVE THE PIPE SHALL BE COMPACTED IN ACCORDANCE WITH THE PERMITTING AUTHORITY'S SPECIFICATIONS AND/OR THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
- UNDER NO CIRCUMSTANCES SHALL WATER BE ALLOWED TO RISE IN UNBACKFILLED TRENCHES AFTER PIPE HAS BEEN PLACED.

**GRADING NOTES**

- PROPOSED CONTOURS REPRESENT APPROXIMATE ELEVATIONS AT A POINT. PROPOSED SPOT ELEVATIONS AND ROADWAY PROFILES SUPERSEED CONTOUR INFORMATION.
- ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE AWAY FROM BUILDING FOUNDATIONS AND SHALL MAINTAIN ADEQUATE DRAINAGE DURING CONSTRUCTION.
- ALL GRADING, BACKFILLING, EXCAVATION, ETC. SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS SET FORTH BY THE LOCAL GOVERNING AUTHORITY. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR COORDINATING ALL CONSTRUCTION ACTIVITIES WITH SAID AUTHORITY.
- CONTRACTOR IS TO CONTACT NORTH CAROLINA "ONE CALL" AT 811 FOR UNDERGROUND UTILITY LOCATION 48 HOURS PRIOR TO ANY DIGGING.
- CONTRACTOR SHALL LOCATE AND VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- ANY AND ALL DISTURBED AREAS SHALL BE FINE GRADED, SEEDED WITH PERMANENT GRASS SEEDING MIX AND STRAWED PRIOR TO DEMOBILIZATION FROM THE SITE.
- ALL SWALES/DITCHES ALONG PROPERTY LINES AND REAR YARDS SHOULD BE 2% OR STEEPER.
- SLOPES STEEPER THAN 3H:1V SHOULD BE EVALUATED AND DESIGNED BY A GEOTECHNICAL ENGINEER.
- THE CONTRACTOR SHALL NOTE THAT SPILL CURBS SHALL BE USED AS NECESSARY IN PARKING AREAS, AT INTERSECTIONS, AT MEDIANS TO ELIMINATE AREAS OF STANDING WATER IN THE CURB.

**EROSION CONTROL NOTE**

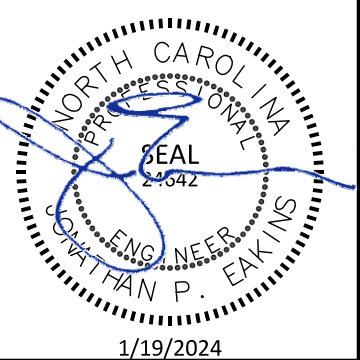
A LAND DISTURBANCE PERMIT WAS ISSUED BY WAKE COUNTY FOR THIS PROJECT ON AUGUST 19, 2021 UNDER S&E PERMIT # SEC-048926-2020 BASED ON PLANS PREPARED BY OTHERS. REFER TO THE APPROVED EROSION CONTROL PLANS FOR THE INSTALLATION AND MAINTENANCE OF THE NECESSARY EROSION CONTROL DEVICES.

**The Nau Company**  
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NCBELS License P-0751

CLIENT:  
PRESERVE AT JONES DAIRY, LLC  
10534 ARNOLD PALMER DRIVE  
RALEIGH, NC 27617 919-491-0761

NO.	REVISIONS	DATE
1	REVISIONS PER DOT COMMENTS FOR WATER LINE CONNECTIONS	2024-01-17
2	REVISED STORM PIPE SIZES FOR LOTS 200 TO 210	2023-05-23
3	TOWARDS FIGHTING BULL DRIVE	2023-03-24
4	REVISED STORM PIPE DATA FROM STORM STRUCTURES DATA TO 100	2023-03-28
5	REVISED STORM PIPE DATA FROM STORM STRUCTURES DATA TO 100	2023-05-03
6	REVISED STORM PIPE DATA FROM STORM STRUCTURES DATA TO 100	2023-08-01
7	REVISED STORM PIPE DATA FROM STORM STRUCTURES DATA TO 100	2024-01-19

PRESERVE AT JONES DAIRY - CENTRAL  
CONSTRUCTION DRAWINGS  
ROLESVILLE, NC  
GRADING PLAN - OVERALL



PROJECT NO:	---
DESIGN BY:	JPE
DRAWN BY:	RSF
SCALE:	1"=150'
DATE:	2023-01-27
SHEET NO:	C4.0

