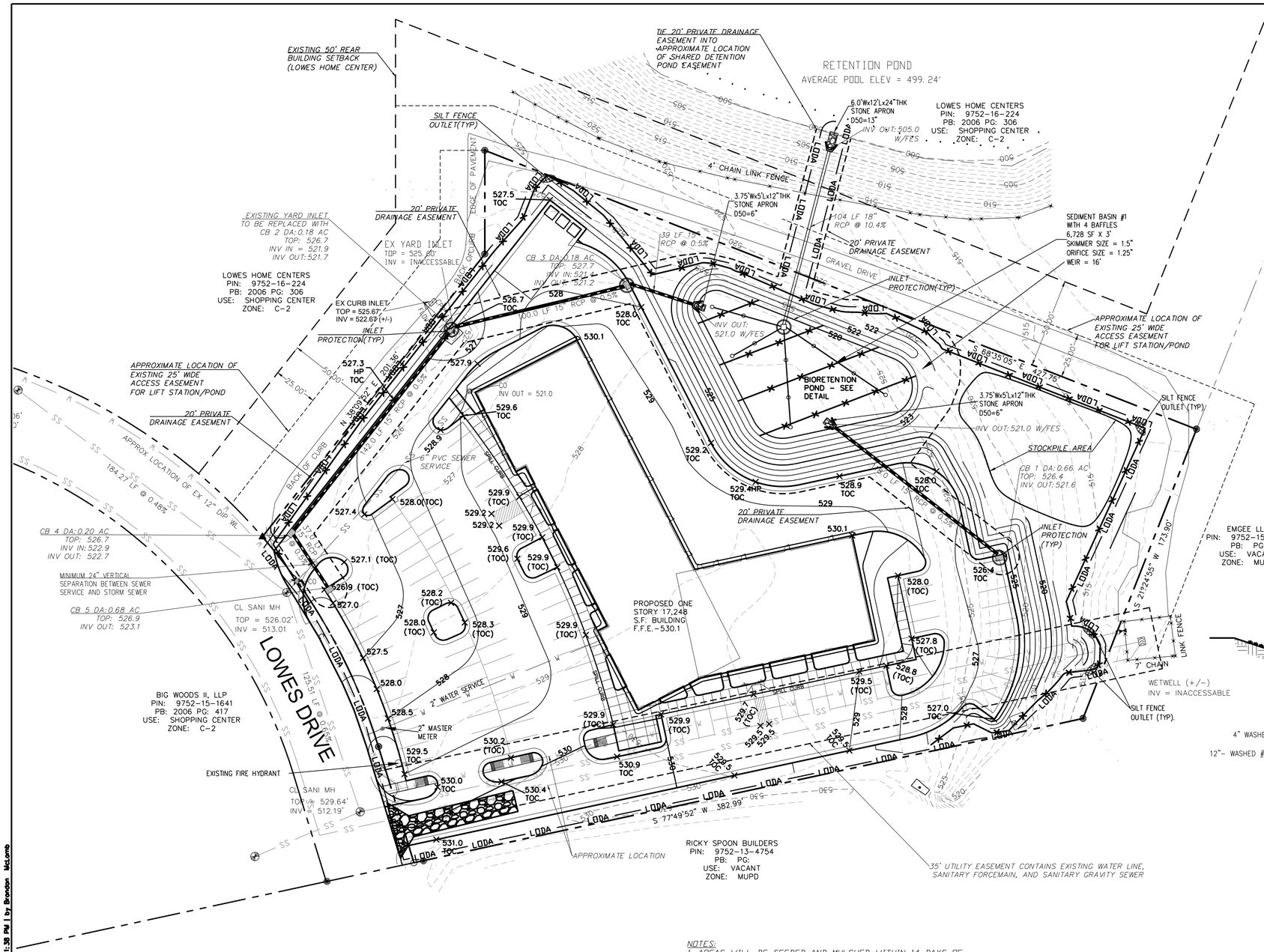


LEGEND

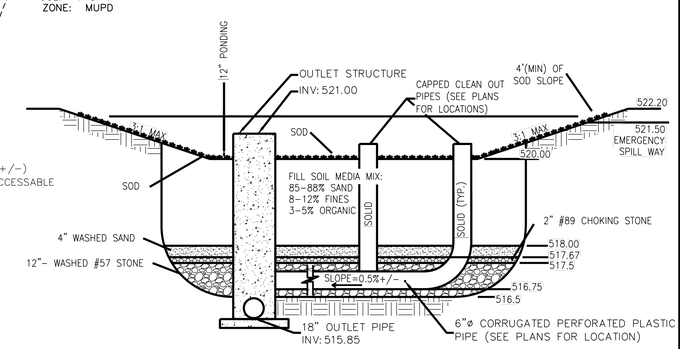
- TEMP. GRAVEL CONST. ENTRANCE
- SILT FENCE
- SILT FENCE OUTLET
- INLET PROTECTION

ALL CONSTRUCTION MUST CONFORM TO THE UNDERGROUND UTILITY PROTECTION ACT

BEFORE YOU DIG!
CONTACT ONE-CALL CENTER
1-800-632-4949

ENGINEER:
TIMMONS GROUP
BRANDON MCLAMB
5410 TRINITY ROAD, SUITE 112
RALEIGH, NC 27607

PIN - 9752-15-5722
PARCEL - 84305
ZONED C2 (HIGHWAY COMMERCIAL)
ACRES IN TRACT = 2.88



NOTES:
1. SOIL MEDIA SHALL HAVE AN INFILTRATION OF 2-3 IN/HR.
2. SOD USED IN BIO-RETENTION POND SHALL NOT BE GROWN ON AN IMPERMEABLE LAYER.
3. BIO-RETENTION POND IS DESIGNED TO TREAT A TOTAL OF 57,020 SF+/- (1.309AC+/-).
4. P-INDEX MUST BE 10-30.

DESIGN INFORMATION

PROPOSED SURFACE AREA = 6,701 SF
PROPOSED VOLUME @ 12" = 6,213 CF

IMPERVIOUS SURFACE DRAINAGE
PROPOSED = 74,100 SF (1.701 AC)
DESIGN = 81,460 SF (1.870 AC)
ADDITIONAL ALLOWED = 7,360 SF (0.169 AC)

BIORETENTION POND

SCALE: NOT TO SCALE

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

N W E S

GROUND STABILIZATION		
SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONE	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED
SLOPES 3:1 OR FLATTER	14 DAYS	7-DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMETERS AND HQW ZONES).

*EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE."(SECTION II.B(2)(b))

SEDIMENT TRAP REMOVAL:
1. REMOVE TRAP ONLY AFTER SITE IS STABILIZED.
2. REMOVE TARP AND ALL NON DIRT AND/OR ROCK MATERIAL.
3. USE BACKHOE TO FILL IN AND LEVEL BACK TO NATURAL GROUND ELEVATION.
4. SEED AND STRAW APPROPRIATELY.

SLOPE STABILIZATION REQUIREMENTS:
3:1 AND FLATTER--GRASS
3:1 TO 2:1--ADAPTIVE PLANTS (SHRUBS AND VINES)
2:1 TO 1.5:1--RIP RAP

DISTURBED AREA = 2.8 AC

NOTES:
1. AREAS WILL BE SEEDED AND MULCHED WITHIN 14 DAYS OF COMPLETION OF ANY PHASE.
2. TEMPORARY DIVERSIONS AND DITCHES WILL BE STABILIZED WITHIN 7 DAYS OF COMPLETION.
3. BASINS SHOULD BE CLEAN AFTER ANY RAIN EVENT THAT EXCEEDS 1" IN 24 HOURS.
4. SEDIMENT BASIN WILL BE INSTALLED WHERE STORM DRAINAGE SWALE IS LOCATED.
5. INSTALL CUSTOM SEDIMENT BASINS - SEE DETAILS SHEET.
6. FLOOR OF BASINS ARE TO BE INSTALLED LEVEL.
7. "LODA" INDICATES LIMITS OF DISTURBED AREA.
8. MEASURES MUST BE MAINTAINED WEEKLY AND AFTER EVERY RAIN EVENT.
9. CONTRACTOR WILL VERIFY COVER OF ALL THREE LINES IN THREE LOCATIONS AT THE BEGINNING OF THE PROJECT AND AT THE END.
10. CONTRACTOR WILL USE EXTREME CAUTION WHEN WORKING IN THE 35' UTILITY EASEMENT AS ACCIDENTAL DAMAGE TO EITHER SEWER MAIN WILL CLOSE ALL THE BUSINESSES IN THE AREA.
11. CONTRACTOR WILL BE REQUIRED TO PHYSICALLY DIG AND SHOW THAT MINIMUM COVER IS MAINTAINED OVER WATER LINE, GRAVITY SEWER LINE, AND FORCE MAIN ONCE FINAL GRADES ARE ESTABLISHED.
12. GRADING HAS BEEN SHOWN TO MAINTAIN EXISTING COVER IN ALL AREAS OF THE EXISTING UTILITY EASEMENT. CONTRACTOR WILL BE REQUIRED TO MAINTAIN EXISTING COVER DURING CONSTRUCTION.
13. THE 2" MASTER METER INSTALLATION WILL CONFORM TO THE TOWN OF PITTSBORO UTILITY SPECIFICATIONS PER SECTION 3.M.

NORTH CAROLINA PROFESSIONAL SEAL 34374 ENGINEER Brandon L. McLamb
10/16/14

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YOUR VISION ACHIEVED THROUGH OURS.

DATE	REVISION DESCRIPTION

DATE	7/31/14
DRAWN BY	D. HOWELL
DESIGNED BY	K. ROBERTS
CHECKED BY	K. ROBERTS
SCALE	1"=30'

TIMMONS GROUP

KESSING SITE

LOWES DRIVE, PITTSBORO, NC

GRADING, DRAINAGE, UTILITY, AND EROSION CONTROL PLAN

JOB NO. 35713

SHEET NO. C1.0

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