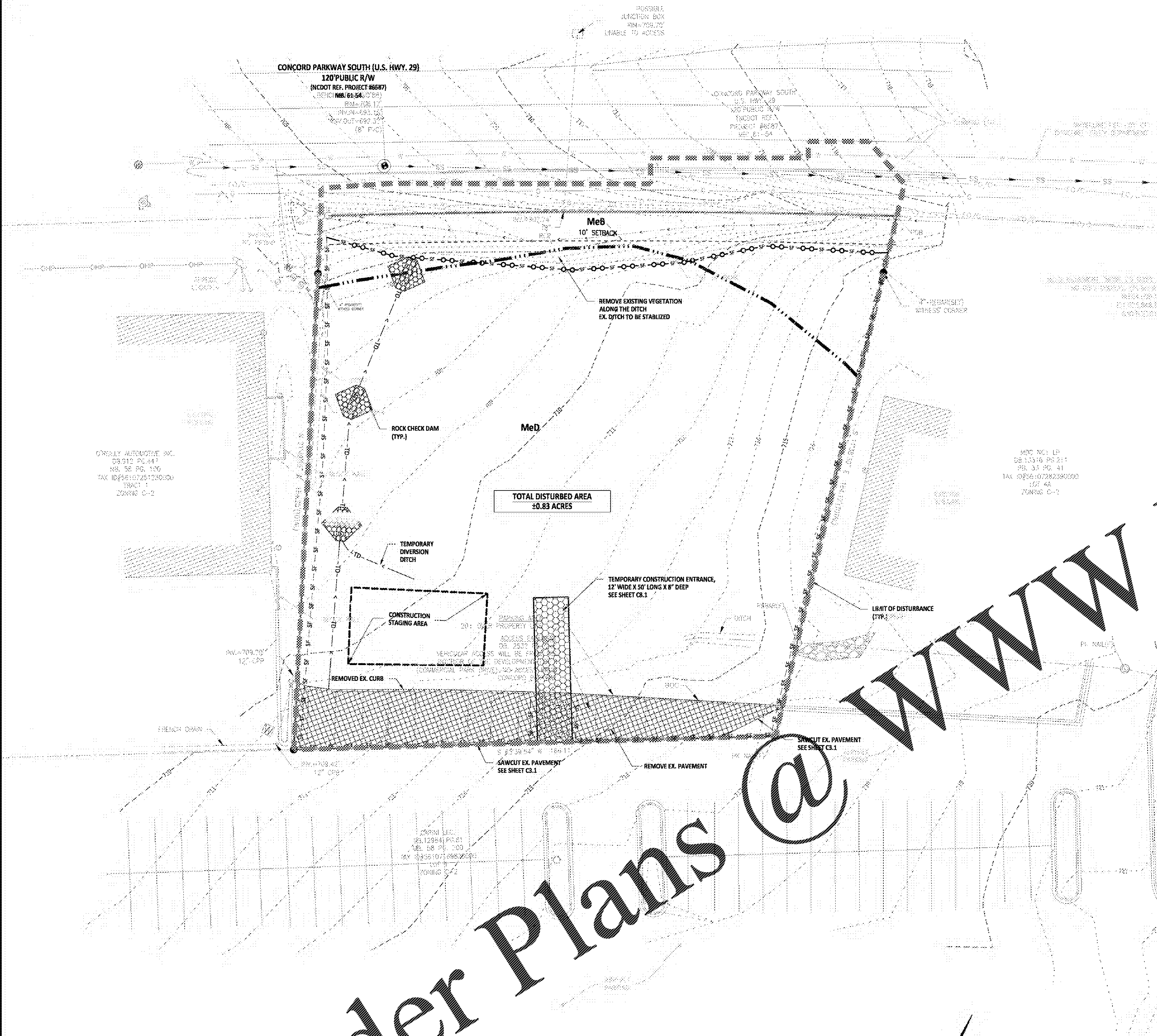


GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

LEGEND

PROPERTY LINE	
EASEMENT	
SETBACK	
GAS LINE	G
POWER LINE (OVERHEAD)	OE
SANITARY SEWER PIPE	SS
STORM DRAIN PIPE	
TELEPHONE LINE (UNDERGROUND)	FO/C
WATER LINE	W
FENCE	
POWER LINE (UNDERGROUND)	UCE
LANDSCAPE BUFFER	
STANDARD DUTY ASPHALT PAVEMENT	
PROPOSED CONCRETE PAVEMENT	
RIPRAP	

EROSION CONTROL LEGEND

LIMITS OF DISTURBANCE	
TEMPORARY SILT FENCE	SF
TEMPORARY DOUBLE SILT FENCE	SF
SAW CUT LINE	
TREE PROTECTION	TP
C.B./DI INLET PROTECTION	
SITE PROTECTION	
EXISTING PAVEMENT TO BE REMOVED	

SOIL MAP LEGEND

MeB	Mecklenburg Loam 2 to 8 % slopes
MeD	Mecklenburg Loam 8 to 15 % slopes

EXISTING POND PROTECTION NOTE:

FLOWS TO EXISTING STORMWATER POND FOR OVERALL DEVELOPMENT. CONTRACTOR SHALL INSPECT AND DOCUMENT EXISTING POND AND PIPE CONDITIONS PRIOR TO CONSTRUCTION. SYSTEM SHALL BE MONITORED DURING CONSTRUCTION AND CONTRACTOR SHALL ENSURE THAT NO SEDIMENT LADEN RUNOFF ENTERS SYSTEM. CONTRACTOR WILL BE RESPONSIBLE FOR CLEANING THE EXISTING PIPE AND POND SHOULD ANY SEDIMENT RELEASE OCCUR.

EROSION AND SEDIMENT CONTROL NOTES

1. IF NECESSARY, SLOPES WHICH EXCEED EIGHT (8) FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MAT, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED DAILY UNTIL THE SLOPE IS BROUGHT TO GRADE.
2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW:

   ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY. ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
3. ALL CUT AND FILL SLOPES AND CHANNEL SIDE SLOPES WHICH ARE NOT TO BE PAVED SHALL BE SEEDED UNTIL A GOOD STAND OF GRASS IS OBTAINED IN ACCORDANCE WITH THE SEEDING SCHEDULE ON SHEET C8.5. ALL SEEDING WILL BE MULCHED.
4. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7) DAYS AND WITHIN 24 HOURS AFTER EACH RAINFALL OCCURRENCE THAT EXCEEDS ONE-HALF (0.5) INCH. IF SITE INSPECTIONS IDENTIFY BMPS THAT ARE DAMAGED OR NOT OPERATING EFFECTIVELY, MAINTENANCE MUST BE PERFORMED AS SOON AS PRACTICABLE OR AS REASONABLY POSSIBLE AND BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE.
5. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY STORMWATER SYSTEMS, WATER COURSES AND WATERS OF THE STATE (WOS) OR WATERS OF THE UNITED STATES (WOU.S.).
6. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
7. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
8. ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE SITE VIA THE CONSTRUCTION ENTRANCE.
9. EXCAVATED MATERIAL FROM TRENCHES SHALL BE PLACED ON THE UPGRADE SIDE OF THE TRENCH TO ALLOW MATERIAL TO ERODE INTO THE TRENCH. CONSTRUCTION MAINTENANCE AND REMOVAL OF ALL EROSION CONTROL DEVICES ARE THE RESPONSIBILITY OF GRADING CONTRACTOR UNLESS OTHERWISE NOTED.
10. THE EROSION CONTROL MEASURES SHOWN ON THIS DRAWING ARE RECOMMENDED AT A MINIMUM. ACTUAL MEASURE NECESSARY FOR CONTAINMENT OF RUN-OFF SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND BE FIELD VERIFIED.
11. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE CITY ENGINEERING DEPARTMENT.
12. SLOPES SHALL BE GRADED NO STEEPER THAN 2:1. FILL SLOPES GREATER THAN 10' REQUIRE ADEQUATE TERRACING.
13. A GRADING PLAN MUST BE SUBMITTED FOR ANY LOT GRADING EXCEEDING ONE ACRE THAT WAS NOT PREVIOUSLY APPROVED.
14. ON-SITE BURIAL PITS ARE NOT ALLOWED, UNLESS WRITTEN APPROVAL IS RECEIVED FROM THE OWNER AND AN ON-SITE DEMOLITION LANDFILL PERMIT IS RECEIVED FROM THE ZONING ADMINISTRATOR.
15. GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
16. DRIVEWAY PERMIT FOR CONSTRUCTION ENTRANCES IN NCDOT RIGHT OF WAY MUST BE PRESENTED AT PRE-CONSTRUCTION MEETING.
17. A PREWORK MEETING SHALL BE SCHEDULED WITH THE CITY INSPECTOR PRIOR TO CONSTRUCTION.
18. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
19. SHOW BMP MEASURES FOR CONCRETE TRUCK WASHOUT AREA, OR ADD THE FOLLOWING NOTES:

    CONCRETE TRUCKS SHALL NOT TYPICALLY BE WASHED OUT ON SITE. IF CONCRETE TRUCK WASHOUT IS PERMITTED ON SITE, COORDINATE LOCATION AND BMP'S WITH SITE INSPECTOR.

    DO NOT DISPOSE OF CONCRETE TRUCK WASHOUT WASTE BY DUMPING INTO A SANITARY SEWER, STORM DRAIN OR ONTO SOIL OR PAVEMENT THAT CARRIES STORM WATER RUNOFF

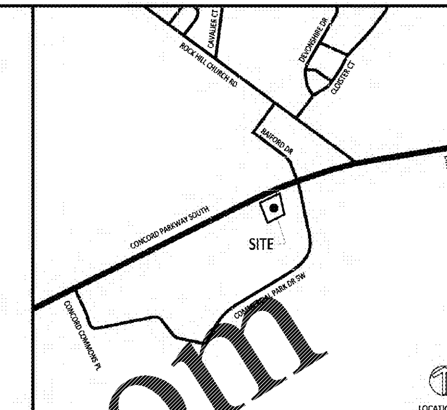
    CONCRETE TRUCK WASHOUT SHALL BE DISPOSED OF IN ACCORDANCE WITH THE FOLLOWING:

    - DESIGNATED AREA THAT WILL LATER BE BACKFILLED (SLURRY PIT)
    - DESIGNATED AREA WHERE CONCRETE WASH CAN HARDEN AND BE DISPOSED OF AS SOLID WASTE.
    - LOCATION THAT IS NOT SUBJECT TO WATER RUNOFF, AND MORE THAN 50 FEET AWAY FROM A STORM DRAIN, OPEN DITCH, OR RECEIVING WATER WAY.
    - PUMP EXCESS CONCRETE IN CONCRETE PUMP BIN BACK INTO CONCRETE MIXER TRUCK.
    - CONCRETE WASHOUT FROM CONCRETE PUMPER BINS CAN BE WASHED INTO CONCRETE PUMPER TRUCKS AND DISCHARGED INTO DESIGNATED WASHOUT AREA OR PROPERLY DISPOSED OF OFFSITE.

22. ALL CHEMICAL SPILLS, OIL SPILLS, OR FISH KILLS MUST BE REPORTED TO NCDENR – CALL THE 24-HOUR EMERGENCY RESPONSE LINE AT 1-800-858-0368.
23. TEMPORARY TOILET FACILITIES SHALL BE PROVIDED FOR ALL CONSTRUCTION WORKERS AND SITE VISITORS IN ACCORDANCE WITH 2006 INTERNATIONAL PLUMBING CODE GENERAL REGULATIONS, SECTION 311. PORTABLE FACILITIES SHALL BE PLACED ON LEVEL GROUND AND AWAY FROM STORM DRAINAGE SYSTEMS (DITCHES, CATCH BASINS, ETC.). DISPOSAL AND HANDLING OF SANITARY WASTE MUST COMPLY WITH STATE AND LOCAL REQUIREMENTS.
24. FINAL GRADES FOR GRASSED AND LANDSCAPED AREAS SHALL REQUIRE A MINIMUM OF 4-6" OF CLEAN TOP SOIL, FREE OF DEBRIS AND CONTAMINANTS, AND PREFERABLY OF NATIVE ORIGIN.
25. SIGHT TRIANGLES SHOWN ARE THE MINIMUM REQUIRED.
26. APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS.
27. IN ORDER TO ENSURE PROPER DRAINAGE, KEEP A MINIMUM OF 0.5% SLOPE ON THE CURB.
28. SUBSURFACE DRAINAGE FACILITIES MAY BE REQUIRED IN THE STREET RIGHT-OF-WAY IF DEEMED NECESSARY BY THE INSPECTOR.
29. CURB AND GUTTER SHOWN ON PLANS ALONG NORTH COLLEGE STREET MAY BE ADJUSTED BASED UPON FIELD STAKING BY CITY ENGINEERING. ASSOCIATED STORM DRAINAGE MAY ALSO REQUIRE MODIFICATION BASED UPON FIELD CONDITIONS.

CONSTRUCTION SEQUENCE

1. OBTAIN GRADING/EROSION CONTROL PLAN APPROVAL FROM THE LOCAL AND STATE AUTHORITIES.
2. SET UP AN ON-SITE PRE-CONSTRUCTION CONFERENCE WITH EROSION CONTROL INSPECTOR OF THE CITY ENGINEERING DEPARTMENT TO DISCUSS EROSION CONTROL MEASURES.
3. INSTALL SILT FENCE AND INLET PROTECTION AS SHOWN. BLOCK OFF SITE ACCESS POINTS TO VEHICULAR TRAFFIC.
4. COORDINATE WITH THE CITY INSPECTOR TO ENSURE SILT FENCE AND INLET PROTECTION INSTALLATION IS SATISFACTORY PRIOR TO BEGINNING DEMOLITION.
5. COORDINATE WITH CITY INSPECTOR UPON COMPLETION OF PHASE 1 DEMOLITION.
6. INSTALL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES.
7. CONTINUE CONSTRUCTION OF THE SITE TO COMPLETION.
8. UPON FINAL STABILIZATION OF THE SITE, THE CONTRACTOR SHALL CONTACT THE CITY INSPECTOR TO RECEIVE APPROVAL.
9. GENERAL CONSTRUCTION SEQUENCE NOTES:
   - THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES.
   - FOR PHASED EROSION CONTROL PLANS, CONTRACTOR SHALL MEET WITH EROSION CONTROL INSPECTOR PRIOR TO COMMENCING WITH EACH PHASE OF EROSION CONTROL MEASURES.
   - STABILIZE SITE AS AREAS ARE BROUGHT TO FINISHED GRADE.
   - COORDINATE WITH EROSION CONTROL INSPECTOR PRIOR TO REMOVAL OF ANY EROSION CONTROL MEASURE.
   - ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE N. C. EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, U. S. DEPT. OF AGRICULTURE, AND THE CITY OF CONCORD EROSION CONTROL ORDINANCE AND STANDARDS



LOCATION MAP
SCALE: NTS

GENERAL NOTES

1. ALL MATERIALS, CONSTRUCTION, AND PLANS ARE TO COMPLY WITH CURRENT CITY OF CONCORD AND NCDENR STANDARD SPECIFICATIONS AND DETAILS.
2. CONTACT NORTH CAROLINA ONE CALL SERVICE @ 811 OR 800-632-4949 AND CITY CONCORD, A MINIMUM OF 72 HOURS BEFORE DIGGING.
3. ANY SITE GRADING SHALL COMPLY WITH INTENT OF ORIGINAL DEVELOPMENT GRADING AND DRAINAGE PLANS.
4. THE CONTRACTOR SHALL VERIFY ALL EXISTING STRUCTURES PRIOR TO CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
5. NO BMPS SHALL BE PLACED ON ADJACENT PROPERTY WITHOUT THE WRITTEN CONSENT OF THE PROPERTY OWNER AND THE CITY OF CHARLOTTE.
6. THE NCDENR EROSION CONTROL MANUAL AND CITY OF CONCORD STANDARDS SHALL BE USED AS A GUIDELINE FOR IMPLEMENTATION AND MAINTENANCE OF BMPS. THE FOLLOWING BMPS:
   - SURFACE ROUGHENING
   - STABILIZED CONSTRUCTION ENTRANCE
   - SILT FENCE
   - HARDWARE FABRIC AND STONE INLET PROTECTION
   - CHECK DAMS
   - TEMPORARY SEEDING
   - PERMANENT SEEDING
   - MULCHING
   - SOD

North Carolina 811
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
http://nc811.org/remoteticketentry.htm

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 34936 CURTIS MATTHEW JONES

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POPEYE'S
915 CONCORD PARKWAY SOUTH
CONCORD, NC 28027

MODIFICATION LOG

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JOB NUMBER:	C200030
CHECKED BY:	CMJ
DRAWN BY:	CDA
DATE:	8-19-2020

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American Engineering Associates - Southeast, P.A.
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Charlotte, NC 28226
704-375-2438
FIRM # C-3881

DEMOLITION AND EROSION AND SEDIMENT CONTROL PLAN PH1

SHEET: C4.1

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