Drawing name: \\CEDSERVER\Project\0901069 – TB Mt Holly Rd, Charlotte, NC\Cadd\Construction\C02 – TB MT HOLLY NC – GEN NOTES.dwg C02 Sep 18, 2017 9:08am by: ricardoramos

GENERAL

1. IT IS INTENDED THAT THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" (LATEST EDITION) BE USED WHERE APPLICABLE FOR VARIOUS WORK, AND THAT WHERE SUCH WORDING THEREIN REFERS TO THE STATE OF NORTH CAROLINA AND ITS DEPARTMENT OF TRANSPORTATION AND PERSONNEL, SUCH WORDING IS INTENDED TO BE REPLACED WITH THAT WORDING WHICH WOULD PROVIDE PROPER TERMINOLOGY, THEREBY MAKING SUCH "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" AS THE STANDARD SPECIFICATIONS FOR THIS PROJECT. THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" (LATEST EDITION) AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK. UNLESS OTHERWISE INDICATED, THE TERM "STANDARD" AND/OR "STANDARD SPECIFICATION" UTILIZED ON THIS SHEET REFERS TO THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" (LATEST EDITION).
2. IF WITHIN THAT PARTICULAR SECTION ANOTHER SECTION, ARTICLE OR PARAGRAPH IS REFERRED TO, IT SHALL BE PART OF THE STANDARD SPECIFICATIONS ALSO.
3. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER AND SHALL CONFORM WITH ALL APPLICABLE CITY, COUNTY, STATE AND FEDERAL REGULATIONS AND/OR CODES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND LICENSES REQUIRED TO BEGIN WORK.
4. THE CONTRACTOR SHALL GIVE THE ENGINEER 48 HOURS NOTICE PRIOR TO REQUESTING REQUIRED INSPECTIONS AND SHALL SUPPLY ALL EQUIPMENT NECESSARY TO PROPERLY TEST AND OBSERVE THE COMPLETED WORK. THE CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM THE DATE OF PROJECT ACCEPTANCE, DURING WHICH TIME ALL FAULTY CONSTRUCTION AND/OR MATERIALS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING ABOVE-GROUND, UNDERGROUND, AND ON THE SURFACE STRUCTURES AND UTILITIES AGAINST ANY CONSTRUCTION OPERATION THAT MAY CAUSE DAMAGE TO SAID FACILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSEQUENTIAL DAMAGES RESULTING FROM LACK OF PROTECTION.
2. SOME, BUT NOT NECESSARILY ALL, EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
3. THE CONTRACTOR SHALL GIVE ADEQUATE NOTIFICATION TO ALL AFFECTED UTILITY OWNERS FOR REMOVAL, RELOCATION, AND ALTERATION OF THEIR EXISTING FACILITIES.
4. WHERE ENCOUNTERED, UNSUITABLE MATERIAL SHALL BE REMOVED TO A DEPTH AND AREA DETERMINED BY THE GEOTECHCNIAL ENGINEER AND BACKFILLED WITH SELECT MATERIAL AS APPROVED BY THE GEOTECHNICAL ENGINEER.
5. CONTRACTOR IS RESPONSIBLE FOR CHECKING ACTUAL SITE CONDITIONS BEFORE STARTING CONSTRUCTION.
6. STREET OR HIGHWAY RESTORATION WORK IS TO BE DONE AS PER LOCAL, COUNTY OR STATE AGENCY HAVING JURISDICTION.
7. THE CONTRACTOR SHALL COMPLY WITH ALL RULES AND REGULATIONS OF THE LOCAL, COUNTY, OR STATE AUTHORITIES REGARDING CLOSING OR RESTRICTING THE USE OF PUBLIC STREETS OR HIGHWAYS.
8. TRAFFIC CONTROL ON ALL LOCAL, COUNTY AND STATE HIGHWAY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHA) AND THE REQUIREMENTS OF THE LOCAL, COUNTY OR STATE AGENCY HAVING JURISDICTION.

BURNING

1. PRIOR TO BURNING ANY MATERIAL ON SITE, CONTRACTOR SHALL OBTAIN PERMIT FROM PROPER AUTHORITY AND SUBMIT TO ENGINEER.

DISTURBED AREAS

1. ALL AREAS DISTURBED WITHIN RIGHT OF WAY BY CONSTRUCTION SHALL BE SEEDED AND MULCHED OR SODDED AS SPECIFIED BELOW:

SEEDING AND MULCHING:

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL, AFTER FINAL GRADING AND CLEANUP OF ALL DISTURBED AREAS, ESTABLISH A STAND OF GRASS BY SEEDING AND MULCHING IN ACCORDANCE WITH SECTION 1660 OF THE NCDOT STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL WATER THE SEEDED AREA TO MAINTAIN MOISTURE LEVELS FOR OPTIMUM GROWTH FOR AT LEAST 2 WEEKS OR UNTIL THE GRASS IS ESTABLISHED.

SODDING:

WITHIN THE LIMITS DELINEATED IN THE PLANS, THE CONTRACTOR SHALL, AFTER FINAL GRADING AND CLEANUP, ESTABLISH A STAND OF GRASS BY FURNISHING AND PLACING SOD IN ACCORDANCE WITH SECTION 1664 OF THE NCDOT STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL WATER THE SODDED AREA TO MAINTAIN MOISTURE LEVELS FOR OPTIMUM GROWTH TO ASSURE A HEALTHY STAND OF GRASS. SOD SHALL BE ROLLED AND TOP DRESSED AS REQUIRED BY THE ENGINEER.

GRADING

1. REFER TO PLANS FOR CLEARING LIMITS AND TEMPORARY EROSION CONTROL DEVICES TO BE INSTALLED PRIOR TO COMMENCING GRADING.
2. THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE, AND PLACE, COMPACT, AND MOISTURE CONDITION ALL FILL PER THE PROJECT GEOTECHNICAL ENGINEER'S SPECIFICATIONS. THE FILL MATERIAL TO BE USED SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT.
3. ALL MATERIALS USED FOR BACKFILL SHALL BE FREE OF WOOD, ROOTS, ROCKS, BOULDERS OR ANY OTHER NON-COMPATIBLE SOIL TYPE MATERIAL. UNSATISFACTORY MATERIALS ALSO INCLUDE MAN-MADE FILLS AND REFUSE DEBRIS DERIVED FROM ANY SOURCE.
4. PROPOSED CONTOURS AND GUTTER GRADIENTS ARE APPROXIMATE. PROPOSED SPOT ELEVATIONS ARE TO BE USED IN CASE OF DISCREPANCY.

STAKING

1. IF CONSTRUCTION STAKING IS PERFORMED BY THE OWNER, LOSS OR DISTURBANCE OF CONTROL POINTS DUE TO NEGLIGENCE BY THE CONTRACTOR WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
2.

STABILIZING

1. SUBGRADE SHALL BE PROOFROLLED AND ANY SOFT AREAS OR HIGH PLASTICITY SOIL BE REMOVED AS RECOMMENDED IN 5.2 AND 5.5 OF THE GEOTECHNICAL REPORT PREPARED BY PSI. STRUCTURAL FILL REQUIRED TO ACHIEVE PROPOSED SUBGRADE ELEVATION AT THE SITE SHOULD BE COMPACTED TO NOT LESS THAN 98% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 (STANDARD PROCTOR). THE MOISTURE CONTENT AT THE TIME OF COMPACTION SHOULD BE WITHIN 3 PERCENTAGE POINTS OF THE OPTIMUM VALUE.
2. ALL STABILIZED AREAS SHALL BE COMPACTED TO AT LEAST 98% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D698.

ROCK BASE

1. ROCK BASE SHALL BE CONSTRUCTED PER THE GEOTECHNICAL ENGINEER'S RECOMMENDATION IN ACCORDANCE WITH DIVISION 5 OF THE NCDOT STANDARD SPECIFICATIONS.
2. ROCK BASE SHALL BE CONSTRUCTED TO THE DEPTH AND LIMITS AS SHOWN ON THE PLAN AND AS PER THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.

ASPHALTIC CONCRETE SURFACE COURSE (ACSC)

1. ACSC (SEE PLAN FOR TYPES) SHALL BE CONSTRUCTED TO THE DEPTH AND LIMITS SHOWN ON THE PLAN IN ACCORDANCE WITH DIVISION 6 THE NCDOT STANDARD SPECIFICATIONS UNLESS OTHERWISE SPECIFIED.

SIGNING AND PAVING MARKING

1. ALL PAVEMENT MARKINGS, WITH THE EXCEPTION OF THE HANDICAPPED PARKING SPACES, SHALL BE MARKED IN WHITE, RETRO-REFLECTIVE TRAFFIC PAINT AND BE IN ACCORDANCE WITH SECTION 1205 OF THE NCDOT STANDARD SPECIFICATIONS.
2. ALL HANDICAPPED PARKING SPACES SHALL BE PROPERLY SIGNED AND MARKED IN ACCORDANCE WITH THE "ADA STANDARDS FOR ACCESSIBLE DESIGN," LATEST EDITION AS PUBLISHED BY THE US DEPARTMENT OF JUSTICE.
3. WHERE APPLICABLE, ALL COMPACT SPACES SHALL BE MARKED "COMPACT" ON THE STALL OR WHEEL STOP.

PAVEMENT TESTING

1. WHERE REQUIRED BY OWNER AND/OR MUNICIPALITY, THE CONTRACTOR SHALL RETAIN THE SERVICES OF AN OWNER APPROVED INDEPENDENT TESTING LABORATORY TO CONDUCT ALL REQUIRED TESTS ON SUBGRADE, BASE AND SURFACE COURSE MATERIALS. TEST RESULTS MUST BE SUBMITTED PRIOR TO ANY REQUEST FOR PAYMENT ON THE ABOVE ITEMS.
2. SOILS TESTING SHALL BE AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
3. IF ANY TEST INDICATES THAT THE WORK DOES NOT MEET THE SPECIFICATIONS, THE SUBSTANDARD ITEM SHALL BE REWORKED OR CORRECTED AND RETESTED, AT THE CONTRACTOR'S EXPENSE, UNTIL THE PROVISIONS OF THESE SPECIFICATIONS ARE MET.
4. ALL TESTS SHALL BE PAID FOR BY THE CONTRACTOR.

SHOP DRAWINGS SUBMITTALS

THE FOLLOWING INFORMATION AND/OR DRAWINGS SHALL BE SUBMITTED TO THE PROJECT ENGINEER, GOETECHNICAL ENGINEER, AND/OR JURISDICTIONAL AGENCY (IF REQUIRED) PRIOR TO BEGINNING WORK TO CONFIRM GENERAL COMPLIANCE WITH THE APPROVED PLANS AND/OR SPECIFICATIONS:

1. INFORMATION ON THE PIPE AND CULVERTS, INDICATING THE TYPE, CLASS, SIZE AND OTHER RELEVANT INFORMATION.
2. ASPHALT AND CONCRETE MIX DESIGN.
3. DOCUMENTATION ON ALL OTHER MATERIALS BEING USED INCLUDING, BUT NOT LIMITED TO, FILTER FABRIC, GUARDRAILS, CONCRETE, STEEL POSTS, CURING COMPOUND AND JOINT MATERIAL, INLETS, MANHOLES, PRESSURE PIPE, FITTINGS, LIFT STATION, HYDRANTS, ETC.
4. MAINTENANCE OF TRANSPORTATION, "MOT", IF REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A MAINTENANCE OF TRAFFIC PLAN IN ACCORDANCE WITH THE LOCAL, COUNTY AND STATE GUIDELINES AND SECURING THE APPROPRIATE APPROVALS FROM THE JURISDICTIONAL AGENCIES TO IMPLEMENT THE PLAN.

DRAINAGE SPECIFICATIONS

1. STORM INLETS AND MANHOLES CONSTRUCTED WITHIN NCDOT RIGHT OF WAY SHALL BE CONSTRUCTED IN GENERAL ACCORDANCE WITH SECTION 840 OF THE NCDOT STANDARD SPECIFICATIONS. STORM INLETS CONSTRUCTED OUTSIDE OF NCDOT RIGHT OF WAY SHALL BE CONSTRUCTED PER CITY OF SHELBY STANDARD DETAILS AND SPECIFICATIONS.
2. PRECAST CONCRETE MANHOLES AND STORM INLETS ARE TO BE USED (ONLY AFTER THE ENGINEER'S REVIEW OF THE MANUFACTURER'S SHOP DRAWINGS).
3. STORM SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH NCDOT SECTION 840 AND RELATED SECTIONS OF THE STANDARD SPECIFICATIONS.
4. THE LOCATIONS OF STORM SEWER STRUCTURES SHOWN ON THESE PLANS (AND PROVIDED IN ANY ASSOCIATED AUTOCAD FILES) ARE APPROXIMATE. THE CONTRACTOR SHALL STAKE ALL CURB INLET STRUCTURES SUCH THAT INLET TOPS ALIGN HORIZONTALLY WITH PROPOSED CURB LOCATIONS.

CONCRETE

1. UNLESS OTHERWISE SPECIFIED OR INDICATED, ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 3000 PSI. ALL WORK SHALL COMPLY WITH THE CURRENT EDITION OF THE AMERICAN CONCRETE INSTITUTE (ACI) BUILDING CODE AND THE APPLICABLE BUILDING CODES HAVING JURISDICTION IN THE AREA.

PRECAST INLETS

1. ALL STORM INLETS SHALL BE PRECAST REINFORCED CONCRETE IN ACCORDANCE WITH THE DETAILS SHOWN HEREIN. TYPE II PORTLAND CEMENT SHALL BE USED IN THE CONCRETE MIX. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 4000 PSI.

CULVERT PIPES

1. STORM CULVERTS (REINFORCED CONCRETE PIPE (RCP), CORRUGATED ALUMINUM PIPE (CAP), HIGH DENSITY POLYETHYLENE PIPE (HDPE)) SHALL BE IN ACCORDANCE WITH DIVISION 3 OF THE STANDARD SPECIFICATIONS.

CONSTRUCTION OBSERVATION

THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, AN INDEPENDENT TESTING LABORATORY AND THE APPLICABLE JURISDICTIONS AT LEAST 48 HOURS PRIOR TO PERIODS OF THE FOLLOWING CONSTRUCTION ACTIVITIES:

DRAINAGE

1. LAYING OF PIPE (BEFORE BACKFILL).
2. ALL DRAINAGE STRUCTURES AND PIPE LAYING COMPLETED.
3. CONSTRUCTION AND STABILIZATION OF ANY RETENTION AREAS AND SWALES.
4. SEEDING, MULCH, AND SODDING IN AREAS WHERE EROSION IS EVIDENT OR WHERE PLANS SO IDENTIFY.

UTILITIES

1. LAYING OF PIPE (BEFORE BACKFILL).
2. JACK AND BORING OR DIRECTIONAL BORING.

CONCRETE

1. COMPLETION OF FORMING FOR CURBING, SIDEWALK, AND RETAINING WALLS BEFORE PLACEMENT OF CONCRETE.

PAVEMENT

1. LINE AND GRADE (CERTIFICATION).
2. SUB-BASE (PRIOR TO ADDING BASE MATERIAL).
3. BASE (PRIOR TO PRIMING AND/OR SEAL).
4. BASE (AFTER PRIMING, SEAL, AND BEFORE PLACING ASPHALT).
5. ASPHALT OR CONCRETE PAVING.
6. TURN OUT CONSTRUCTION ON TO CITY, COUNTY OR STATE ROAD (ABOVE INSPECTIONS APPLY).

RECORD DRAWINGS

1. THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS ON THE PROJECT SITE AT ALL TIMES WHICH SHALL BE ANNOTATED BY THE CONTRACTOR DEPICTING ANY CHANGES MADE IN THE FIELD WHICH DIFFER FROM THE CONTRACT DRAWINGS.
2. RECORD DRAWINGS SHALL INCLUDE, BUT NOT BE LIMITED TO, CULVERT LENGTHS, INVERT AND TOP ELEVATIONS OF STORM SEWER INLETS, STORM AND SANITARY SEWER MANHOLES, LIFT STATIONS, WEIRS AND CONTROL STRUCTURES. A RECORD DRAWING, IF REQUIRED, OF THE TOP ELEVATION OF THE BASE MATERIAL GRADING AT ALL LOCATIONS OF THE PROPOSED FINAL GRADES SHALL BE PREPARED AND SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO THE INSTALLATION OF ASPHALT OR FINAL SURFACE. THE CONTRACTOR SHALL PREPARE A RECORD DRAWING VERIFYING ALL PROPOSED GRADES OF EACH STORM WATER BODY AND CONTAIN A MINIMUM OF (2) CROSS SECTIONS IN EACH STORM WATER BODY.
3. THE CONTRACTOR SHALL SUBMIT COMPLETE AND FINAL RECORD DRAWINGS TO THE ENGINEER UPON COMPLETION OF THE PROJECT AND PRIOR TO FINAL INSPECTION AND FINAL PAYMENT. RECORD DRAWINGS SHALL BE CERTIFIED BY A SURVEYOR REGISTERED IN THE STATE OF NORTH CAROLINA.

CLEANUP

1. THE CONTRACTOR MUST PROVIDE CLEAN-UP OF EXCESS CONSTRUCTION MATERIAL UPON COMPLETION OF THE PROJECT. THE SITE MUST BE LEFT IN A NEAT, CLEAN, GRADED CONDITION.

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS APPLICABLE. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
2. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.
3. THE CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
4. CONTRACTOR SHALL DENOTE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
5. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
6. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
8. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
9. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THESE PLANS, SHALL BE INITIATED AS SOON AS PRACTICABLE.
10. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY CEASED.
11. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRED IN THESE AREAS.
12. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL AT CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
13. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
15. ON-SITE & OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE EROSION CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
16. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
17. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION AT NO COST TO THE OWNER.
18. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY, THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

MAINTENANCE

ALL MEASURES STATED ON THESE PLANS SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED AND RESEEDED AS NEEDED. FOR MAINTENANCE REQUIREMENTS REFER TO DIVISION 16 OF THE STANDARD SPECIFICATIONS.
3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
4. THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.
5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
6. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED.
7. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN 2 CALENDAR DAYS FOLLOWING THE INSPECTION.

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This item has been digitally signed and sealed by Craig L. Cornelison, PE. On 02/27/2018.

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 037118 CRAIG L. CORNELISON

9-18-17

CRAIG L. CORNELISON, P.E.
NORTH CAROLINA LICENSE NUMBER: PE037118

NORTH CAROLINA CORNELISON ENGINEERING & DESIGN, INC. NO. C-3793 CERTIFICATE OF AUTHORIZATION

REVISIONS:

CONTRACT DATE:	
BUILDING TYPE:	MED 54
PLAN VERSION:	
SITE NUMBER:	311687
STORE NUMBER:	436563

TACO BELL

3923 SHAKEDOWN STREET
CHARLOTTE, NC 28216

TACO BELL

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MEDIUM 54

GENERAL NOTES

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PLOT DATE: 9-18-17

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