



EROSION AND SEDIMENTATION CONTROL NOTES

- SCHEDULE A PRE-CONSTRUCTION CONFERENCE WITH THE DIVISION OF LAND QUALITY ENGINEER.
- INSTALL THE STORMWATER MEASURES AS PER THE FOLLOWING SEQUENCE AS SHOWN IN THE DRAWING.
 - SILT FENCE
 - ACCESS ROAD
 - DRAINAGE CHANNELS
- VEGETATIVE STABILIZATION OF DISTURBED AREAS WILL BE IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
 - TEMPORARY OR PERMANENT GROUND COVER (OR OTHER ACCEPTABLE MEASURE(S)) ADEQUATE TO RESTRAIN EROSION ON ERODIBLE SLOPES OR OTHER AREAS WILL BE PROVIDED (AS PER 3/EC2) WITHIN TWENTY-ONE (21) CALENDAR DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING.
 - THE PROJECT MUST MINIMIZE THE DURATION AND EXTENT OF DISTURBANCE WITHIN THE STREAM BUFFER ZONE. WORK WITHIN THE BUFFER ZONE SHOULD BE SEQUENCED TO MINIMIZE THE LENGTH OF TIME THAT DISTURBED AREAS ARE EXPOSED. ALL MATERIALS SHOULD BE ON HAND BEFORE WORK IS COMMENCED. STREAM BANK STABILIZATION, WHICH INCLUDES THE AREA FROM THE EDGE OF WATER TO THE TOP OF BANK, SHOULD BE PHASED SO THAT EACH DAY'S WORK IS A COMPLETED WORK, INCLUDING PROVISION OF ADEQUATE GROUND COVER.
 - SLOPES LEFT EXPOSED WILL, WITHIN TWENTY-ONE (21) CALENDAR DAYS OF COMPLETION OF ANY PHASE OF GRADING, BE PLANTED OR OTHERWISE PROVIDED WITH TEMPORARY OR PERMANENT GROUND COVER, DEVICES, OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION. GRADED SLOPES AND FILLS WITHIN THE TROUT BUFFER ZONE WILL WITHIN TEN (10) CALENDAR DAYS OF COMPLETION OF ANY PHASE OF GRADING, BE PLANTED OR OTHERWISE PROVIDED WITH TEMPORARY OR PERMANENT GROUND COVER, DEVICES, OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM OF GREATER THAN 0.5 INCHES OF RAIN PER 24 HOUR PERIOD. A RAIN GAUGE WILL BE MAINTAINED ON THE SITE AND A RECORD OF THE RAINFALL AMOUNTS AND DATES WILL BE KEPT PROPERLY.
- DURING INSPECTIONS, ANY STORMWATER DISCHARGES FROM THE SITE WILL BE OBSERVED FOR STORMWATER DISCHARGE CHARACTERISTICS TO EVALUATE THE EFFECTIVENESS OF THE EROSION AND SEDIMENTATION CONTROL MEASURES INCORPORATING BEST MANAGEMENT PRACTICES (BMPs). IF VISIBLE SEDIMENTATION IS LEAVING THE DISTURBED LIMITS OF THE SITE, CORRECTIVE ACTION WILL BE TAKEN IMMEDIATELY TO CONTROL THE DISCHARGE OF SEDIMENTS. ALL DISCHARGE INTO STREAM SHALL NOT EXCEED 10 NTU'S.
- REPAIRS TO EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE MADE AS NEEDED AND ACCUMULATED SEDIMENT REMOVED IF NECESSARY. ALL SEDIMENTS WHICH ARE REMOVED FROM EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE DISPOSED OF IN AN APPROVED MANNER AT A LOCATION TO BE DESIGNATED BY THE ENGINEER IN SUCH A MANNER THAT FURTHER EROSION AND SEDIMENTATION WILL NOT OCCUR.
- THE CONTRACTOR SHALL ESTABLISH A SMOOTH, HEALTHY, UNIFORM, CLOSE STAND OF GRASS FROM THE SPECIFIED SEED. PRIOR TO REVEGETATION, THE CONTRACTOR SHALL ADEQUATELY TEST THE SOILS TO BE REVEGETATED TO ENSURE THE ADEQUACY OF THE SPECIFIED REQUIREMENTS. ANY MODIFICATIONS TO THESE REQUIREMENTS DEEMED NECESSARY AFTER THE REVIEW OF SOIL TEST RESULTS, SHALL BE AT THE CONTRACTOR'S SOLE EXPENSE. THE ENGINEER WILL PERFORM THE OBSERVATIONS TO DETERMINE WHEN SUCCESSFUL REVEGETATION IS ACHIEVED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SEEDED AREAS THROUGH THE END OF HIS WARRANTY PERIOD. THE CONTRACTOR SHALL PROVIDE, AT HIS EXPENSE, PROTECTION OF ALL SEEDED AREAS AGAINST DAMAGE AT ALL TIMES UNTIL ACCEPTANCE OF THE WORK.
- WATER DISCHARGED FROM DISTURBED AREAS DURING INSTALLATION OF THE UNDERDRAIN SYSTEM SHALL BE TREATED WITH FLOCCULANT BEFORE DISCHARGING INTO A SPECIAL STILLING BASIN (OR SEDIMENT BASIN NO. 3) FOLLOWING THE DESIGN CRITERIA IN THE NC EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, "PRACTICE STANDARD AND SPECIFICATION 6.86, FLOCCULANTS."

SAFETY NOTE:
 THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SITE SAFETY ASSOCIATED WITH THE WORK UNDER THIS CONTRACT AND FOR COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL HEALTH AND SAFETY LAWS, CODES, REGULATIONS, AND ORDINANCES INCLUDING BUT NOT LIMITED TO THOSE CURRENTLY MANDATED BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

FOR BIDDING
NOT FOR CONSTRUCTION

NOTE

- CONTRACTOR SHALL PREPARE PIPE REMOVAL, UNDERDRAIN INSTALLATION, AND BACKFILL WORK PLAN PRIOR TO DISTURBANCE OF THIS AREA. NO WORK SHALL OCCUR UNTIL APPROVAL IS GRANTED BY THE ENGINEER.
- INSTALL MOUNTAIN LAUREL AND GREAT LAUREL PER GUIDELINES ON DRAWING S3. PLANTS SHALL BE EXTENDED 50 FEET TO EACH SIDE OF ENTRANCE GATE AND BE STAGGERED SUCH THAT GREAT LAURELS ARE BEHIND MOUNTAIN LAURELS TO ENHANCE APPEARANCE OF GATE AND ENTRANCE. ALL PLANTED AREAS SHALL BE MULCHED.

REFERENCES

- OVERALL SITE TOPOGRAPHY FROM NORTH CAROLINA DEPARTMENT OF TRANSPORTATION, DATA GENERATED FROM LIDAR DATED MARCH 2005, TOPO IN AREAS IN AND SURROUNDING PHASES 1 AND 2 FROM FIELD SURVEY DATED 9/07, BY SURVEYING SOLUTIONS, P.C.
- SITE PROPERTY LINE AND MONITORING WELL LOCATIONS FROM FIELD SURVEYS DATED 9/07 AND 1/14/08, BY SURVEYING SOLUTIONS, P.C.
- STREAM AND WETLAND LOCATIONS IN NORTHERN SECTOR OF SITE OBTAINED FROM GPS FIELD SURVEY DATED 4/07, BY CAROLINA ECOSYSTEMS, INC.
- STREAMS AND WETLANDS NEAR PHASE 1 AND 2 FROM FIELD SURVEY DATED 2/18/08 BY SURVEYING SOLUTIONS, P.C.
- BRUSHY CREEK LOCATION FROM AVERY COUNTY GIS DEPARTMENT.
- ALL IMPACT AREAS ARE UNDER APPROVAL OF ACTION 10 2008-03130 NATIONWIDE PERMIT NO. 39 BY THE US ARMY CORP OF ENGINEERS DATED NOVEMBER 9, 2008 AND NC DIVISION OF WATER QUALITY DATED NOVEMBER 21, 2008 DWO PROJECT NO. #08-1464.
- POTABLE WELL LOCATIONS ARE APPROXIMATE.
- PROPOSED 50' NATURAL GAS LINE EASEMENT SURVEYED 9/9/09 BY WESTERN CAROLINA SURVEYORS, P.A.

LEGEND

- 2840 EXISTING 10' CONTOUR (SEE REFERENCE 1)
- 3000 EXISTING 2' CONTOUR
- PROPOSED 10' CONTOUR
- PROPOSED 2' CONTOUR
- PROPERTY LINE (SEE REFERENCE 2)
- 200-FOOT SOLID WASTE BUFFER
- EASEMENT
- WASTE LIMITS
- SILT FENCE
- SILT FENCE (EXISTING)
- DB DIVERSION BERM
- DIVERSION CHANNEL
- SIDE SLOPE SWALE
- APPROX. STREAM LOCATION (SEE REFERENCE 3, 5)
- WETLANDS (SEE REFERENCE 3)
- 50-FOOT STREAM AND WETLAND BUFFER
- 25-FOOT TROUT STREAM BUFFER
- PROPOSED BUFFER RESTORATION AREAS
- MONITORING WELL
- PIEZOMETER
- POTABLE WELL
- PROPOSED GAS PROBE
- C-3A CULVERT
- DI-3A DROP INLET
- PROPOSED LIMIT OF WASTE MARKER

