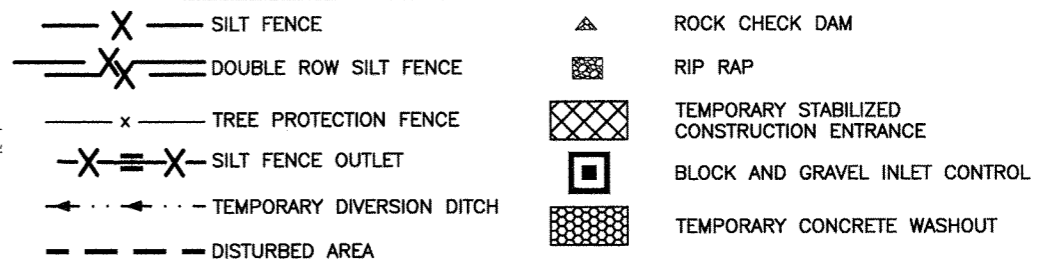


Layout Tab Name: C500 SOIL EROSION PLAN - INITIAL, Images: MAP.png; Morrisville aerial.jpg; Morrisville aerial (2).jpg; Morrisville aerial new.jpg; Xrefs: 0753556-X.dwg; 0753556-P.dwg; 0753556-TBLK.dwg; 0753556-P.dwg; 0753556-X-DIGITIZED.dwg; 0753556-P-SNIPP.dwg; Buildings.dwg  
 Last Saved By: lzadzinski, 1/5/2018 11:40:52 AM  
 G:\DE\Clients\WaterWalk\0753556 Morrisville, NC\4.0 Disciplines\Civil\Cadd\C500-ERO - P1.dwg Plotted By: lzadzinski, Jake Plotted January 17, 2018, 2:50:28 PM

PROPERTY OWNER: SHILOH MORRISVILLE LLC  
 PIN#: 0746594597  
 ADDRESS: 1008 LOWER SHILOH WAY  
 ZONING: REGIONAL ACTIVITY CENTER (RAC)  
 CURRENT LAND USE: VACANT

PROPERTY OWNER: RTP LODGING LLC  
 PIN#: 0746692460  
 ADDRESS: 1020 LOWER SHILOH WAY  
 ZONING: REGIONAL ACTIVITY CENTER (RAC)  
 CURRENT LAND USE: HOTEL/MOTEL

**EROSION CONTROL LEGEND**



**SEQUENCE OF CONSTRUCTION INITIAL PHASE**

- OBTAIN LAND DISTURBANCE/EROSION CONTROL PLAN APPROVAL FROM WAKE COUNTY.
- SET UP AN ON-SITE PRE-CONSTRUCTION CONFERENCE WITH EROSION CONTROL INSPECTOR (SHAWN SPRINGER 919-369-6135) TO DISCUSS EROSION CONTROL MEASURES.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- PROVIDE INLET PROTECTION AND TREE PROTECTION OVER EXISTING INLETS AND TREES.
- INSTALL PERIMETER SILT FENCE AND EROSION CONTROL MEASURES AS INDICATED ON THE PLANS (I.E. SKIMMER BASIN). ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED, DEPENDING UPON FIELD CONDITIONS. EXCESS FILL MATERIAL AND TOPSOIL MAY BE STOCKPILED AND STORED AT A LOCATION APPROVED BY THE EROSION CONTROL INSPECTOR.
- ONCE INITIAL EROSION CONTROL MEASURES ARE IN PLACE SCHEDULE AN ON-SITE INSPECTION WITH EROSION CONTROL INSPECTOR (SHAWN SPRINGER 919-369-6135) TO OBTAIN A CERTIFICATE OF COMPLIANCE.
- NOTES:
  - TEMPORARY DIVERSION DITCHES AND WATER BARS SHALL BE REPAIRED / RESHAPED AT THE END OF EACH WORK DAY TO MATCH THE STATUS OF CONSTRUCTION.
  - PROVIDE GROUND COVER ON ALL AREAS THAT WILL NOT BE DISTURBED BY CONSTRUCTION WITHIN SEVEN (7) CALENDAR DAYS.
  - CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN AND CORRECT ALL EROSION CONTROL DEVICES AND STRUCTURES TO INCLUDE NECESSARY REPAIR TO EXISTING CONDITIONS OUTSIDE THE LIMITS OF CONSTRUCTION AS A RESULT OF SITE CONSTRUCTION UNTIL SUCH TIME THAT FINAL STABILIZATION IS DEEMED ACCEPTABLE BY WAKE COUNTY ENVIRONMENTAL CONSULTANT (SHAWN SPRINGER 919-369-6135) AND THE ENGINEER OR RECORD.
  - ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE N.C. EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL AND WAKE COUNTY SEDIMENTATION AND EROSION CONTROL PLAN REVIEW MANUAL.

**EROSION CONTROL NOTES**

- SOIL SLOPES OFF-SITE BY CONSTRUCTION VEHICLES SHALL BE REMOVED FROM THE PAVEMENTS AS DEEMED NECESSARY BY THE MUNICIPAL ENGINEER AND SHALL BE RETURNED TO THE SITE OR DISPOSED OF IN AN APPROVED MANNER.
- CONTRACTOR SHALL CLEAN ANY SEDIMENT THAT COLLECTS IN CHANNEL AND INLETS OR IS DEPOSITED ON-SITE PRIOR TO REMOVAL OF EROSION CONTROL MEASURES.
- EROSION CONTROL DEVICES AS SHOWN ARE THE MINIMUM PROTECTION REQUIREMENTS. EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL THE SITE IS PERMANENTLY STABILIZED. THE CONTRACTOR IS REQUIRED TO INSTALL ADDITIONAL DEVICES FOR PROTECTION AT HIS EXPENSE TO MINIMIZE EROSION PER LOCAL REQUIREMENTS.
- ALL EROSION CONTROL STRUCTURES SHALL BE INSPECTED AND MAINTAINED AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A SIGNIFICANT RAINFALL. RECORDS OF THESE INSPECTIONS AND CORRECTIVE ACTIONS TAKEN SHALL BE MAINTAINED ON FILE IN THE CONSTRUCTION OFFICE.
- CONTRACTOR SHALL PREVENT SEDIMENT FROM LEAVING THE SITE.
- CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
- INSTALL ADDITIONAL CONTROL MEASURES IF DEEMED NECESSARY BY ONSITE INSPECTION.
- CONTRACTOR SHALL ESTABLISH PERMANENT SOIL STABILIZATION.
- THE EXISTING WETLAND BASIN MAY NOT BE USED AS A SEDIMENT BASIN.
- SIDE SLOPES 4:1 OR STEEPER SHALL BE STABILIZED WITH AN EROSION CONTROL BLANKET BY THE SITE CONTRACTOR. EROSION CONTROL BLANKET SHALL BE TYPE SC150, STRAW/FIBER EROSION CONTROL BLANKET AS MANUFACTURED BY NORTH AMERICAN GREEN COMPANY, OR AN ENGINEER APPROVED EQUAL.
- GROUND COVER SHALL BE INSTALLED ON EXPOSED SLOPES WITHIN 30 WORKING DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING, PERMANENT GROUND COVER FOR ALL DISTURBED AREAS WITHIN 30 WORKING DAYS FOR 120 CALENDAR DAYS (WHICHEVER IS SHORTER) FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
- REMOVE SEDIMENT FROM THE BASIN WHEN APPROXIMATELY ONE-HALF OF THE STORAGE VOLUME HAS BEEN FILLED.

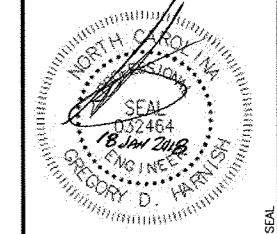
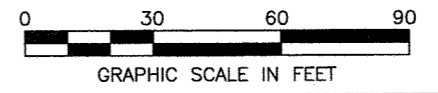
**WAKE COUNTY STOCKPILE REQUIREMENTS**

- A 25-FOOT TEMPORARY MAINTENANCE AND ACCESS EASEMENT SHALL BE SHOWN AROUND ALL PROPOSED STOCKPILES (EROSION CONTROL MEASURES SURROUNDING THE STOCKPILE SHALL BE SHOWN AT THE OUTER LIMIT OF THIS EASEMENT).
- STOCKPILE FOOTPRINTS SHALL BE SET BACK A MINIMUM OF 25' FROM ADJACENT PROPERTY LINES.
- STOCKPILE HEIGHT SHALL NOT EXCEED 35 FEET.
- STOCKPILE SLOPES SHALL BE 2:1 OR FLATTER.
- STOCKPILING MATERIALS ADJACENT TO A DITCH, DRAINAGEWAY, WATERCOURSE, WETLAND, STREAM BUFFER, OR OTHER BODY OF WATER SHALL BE AVOIDED UNLESS AN ALTERNATIVE LOCATION IS DEMONSTRATED TO BE UNAVAILABLE.
- ANY CONCENTRATED FLOW LIKELY TO AFFECT THE STOCKPILE SHALL BE DIVERTED TO AN APPROVED BMP.
- OFF-SITE SPOIL OR BORROW AREAS MUST BE IN COMPLIANCE WITH WAKE COUNTY UDO AND STATE REGULATIONS. ALL SPOIL AREAS OVER AN ACRE ARE REQUIRED TO HAVE AN APPROVED SEDIMENT CONTROL PLAN. DEVELOPER/CONTRACTOR SHALL NOTIFY WAKE COUNTY OF ANY OFFSITE DISPOSAL OF SOIL, PRIOR TO DISPOSAL. FILL OF FEMA FLOODWAYS AND NON-ENCROACHMENT AREAS ARE PROHIBITED EXCEPT AS OTHERWISE PROVIDED BY SUBSECTION 14-19-2 OF THE WAKE COUNTY UNIFIED DEVELOPMENT ORDINANCE (CERTIFICATIONS AND PERMITS REQUIRED).
- SEEDING OR COVERING STOCKPILES WITH TARPS OR MULCH IS REQUIRED AND WILL REDUCE EROSION PROBLEMS. TARPS SHOULD BE KEPT IN AT THE TOP OF THE SLOPE TO KEEP WATER FROM RUNNING UNDERNEATH THE PLASTIC.
- IF A STOCKPILE IS TO REMAIN FOR FUTURE USE AFTER THE PROJECT IS COMPLETE (BUILDERS, ETC.), THE FINANCIAL RESPONSIBLE PARTY MUST NOTIFY WAKE COUNTY OF A NEW RESPONSIBLE PARTY FOR THAT STOCKPILE.
- REFER TO SHEET C503 FOR SEEDING AND STABILIZATION PROCEDURES.
- ESTABLISH AND MAINTAIN A VEGETATIVE BUFFER AT THE TOE OF THE SLOPE (WHERE PRACTICAL).

CHapel Hill Road (SR 5A)

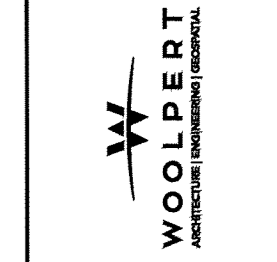
LOWER SHILOH WAY

**BENCHMARK:**  
 THE BASIS OF ELEVATIONS HEREON IS NAVD 88.  
 IRON ROD SET - SEE THE VICINITY MAP FOR LOCATION  
 ELEVATION = 370.88' (371.51' NGVD29)



REVISION	DATE	NO.	PROJECT NO:	DATE	DES.	DR.	CKD.
			0753556	01/24/17	JL	DH	JG

11301 Carmel Commons Blvd.  
 Suite 300  
 Charlotte, NC 28226  
**WOOLPERT**  
 ARCHITECTURE/ENGINEERING/GEOTECHNICAL



**SITE IMPROVEMENT PLANS WATERWALK MORRISVILLE**  
 1012 & 1016 LOWER SHILOH WAY  
 MORRISVILLE, NORTH CAROLINA

**SOIL EROSION PLAN - INITIAL**

MORRISVILLE PROJECT #: 17-1100001 FILE #: 17-0001-S/C

Town of Morrisville  
 APPROVED FOR CONSTRUCTION

Signature: [Signature] Date: 5/31/18  
 Town of Morrisville, Town Engineer

Signature: [Signature] Date: 5/23/18  
 Town of Cary Utilities, Water and Sewer

Engineering: [Signature] Date/Initials: 5/23/18  
 Planning: [Signature] Date/Initials: 5/23/18  
 Other (specify): [Signature] Date/Initials: 5/23/18

Engineering Inspection Services must be contacted (919) 463-6907 at a minimum 24 hours prior to the commencement of any construction activities.

SHEET NO.  
**C500**