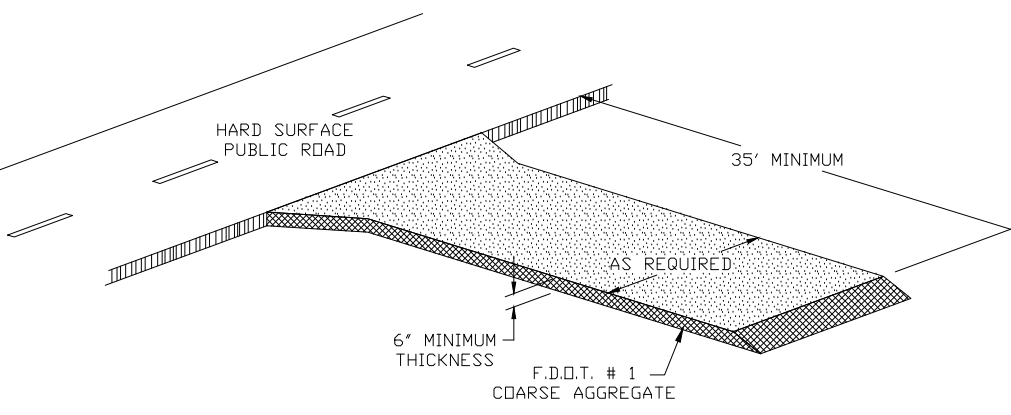


**SILT FENCE DETAIL**

**EROSION CONTROL NOTES:**

1. MATERIALS, CONSTRUCTION METHODS AND MAINTENANCE SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND DESIGN STANDARDS CURRENT EDITION.
2. CONTRACTOR SHALL PROVIDE SILT FENCES AND SYNTHETIC BALES AT ALL STORMWATER DISCHARGE POINTS FOR EROSION CONTROL AND SEDIMENT CONTROL DURING CONST.
3. CONTRACTOR SHALL ROUGH GRADE STORM-WATER SWALES AND RETENTION AREAS PRIOR TO CONSTRUCTION OF SITE IMPROVEMENTS.
4. CONTRACTOR SHALL MEET ALL PERMIT CONDITIONS AS ESTABLISHED BY CITY OF OCOEE AND ALL OTHER APPLICABLE AGENCIES, INCLUDING BUT NOT LIMITED TO CITY, COUNTY, FDOT, AND THE SURMWD.
5. THERE WILL BE NO CHANGE IN DRAINAGE PATTERNS
6. ALL FINISHED SLOPES GREATER THAN 6:1 WILL BE SODDED. ALL OTHER DISTURBED AREAS WILL BE SEED & MULCHED.
7. THERE ARE NO WETLANDS OR SURFACE WATERS WITHIN THE PROJECT AREA.



**TEMPORARY GRAVEL DRIVEWAY**

**CONSTRUCTION NOTES: EROSION & SEDIMENTATION CONTROL:**

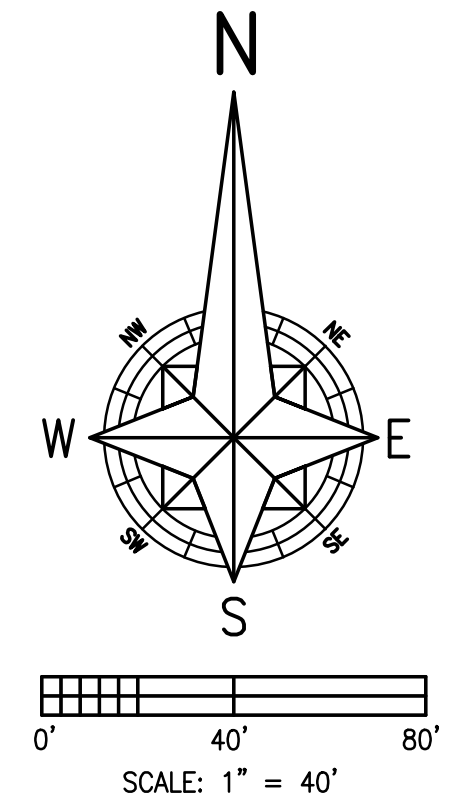
**EROSION/SEDIMENT CONTROL:**  
 THE CONTRACTOR IS TO PROVIDE EROSION CONTROL/SEDIMENTATION BARRIER (HAY BALES OR SILTATION CURTAIN) TO PREVENT SILTATION OF ADJACENT PROPERTY, ON SITE WETLANDS, STREETS, STORM SEWERS AND WATERWAYS. IN ADDITION, CONTRACTOR SHALL PLACE STRAW, MULCH OR OTHER SUITABLE MATERIAL ON GROUND IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ENTER AND EXIT THE SITE. IF THE OPINION OF THE ENGINEER AND/OR LOCAL AUTHORITIES EXCESSIVE QUANTITIES OF EARTH ARE TRANSPORTED OFF SITE EITHER BY NATURAL DRAINAGE OR BY VEHICULAR TRAFFIC, THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH TO THE SATISFACTION OF THE ENGINEER AND/OR AUTHORITIES.

**CONSTRUCTION SEQUENCE TO MINIMIZE EROSION AND SEDIMENTATION AT STORM WATER DISCHARGE POINTS.**

1. CONTRACTOR TO INSTALL SILT FENCES AS SHOWN AND AS REQUIRED.
2. CONTRACTOR TO CONSTRUCT POND AND CONNECTING DRAINAGE OUTFALLS AT INITIAL STAGES OF CONSTRUCTION.
3. ALL GRADING OPERATIONS SHALL BE PERFORMED WITHOUT DELAY OR PAUSE (CONTINUOUS OPERATION) UNTIL PROPOSED GRADES ARE MET. ALL EXPOSED EARTH SHALL BE SEEDED AND MULCHED OR SODDED SOON AFTER GRADING IS COMPLETE.
4. DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO INSURE AGAINST POLLUTING, SILTING OR OTHERWISE DISTURBING TO SUCH AN EXTENT AS TO CAUSE AN INCREASE IN TURBIDITY TO THE EXISTING DRAINAGE SYSTEM AND ADJACENT WATER BODIES AND WETLANDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL PERMIT CONDITIONS RELATED TO SUCH MEASURES. METHODS MAY INCLUDE BUT ARE NOT LIMITED TO, FLOATING SILT BARRIERS, SEDIMENTATION BASINS, SEDIMENT CHECK DAMS, SILT FENCES, HAY BALES. THE MEASURES SHOWN ON THESE PLANS SHALL BE CONSIDERED MINIMUM AND SHALL NOT DEVIATE THE CONTRACTOR FROM THE RESPONSIBILITY TO IMPLEMENT ANY MEASURES NECESSARY TO PROVIDE PROTECTION FOR EROSION, SEDIMENTATION AND TURBIDITY.

**SEQUENCE OF MAJOR ACTIVITY AND IMPLEMENTATION**

1. INSTALL EROSION AND POLLUTION CONTROL MEASURES. (i.e. SILT FENCE)
2. CLEAR REMAINING AREAS TO BE INCLUDED DURING THE DEVELOPMENT IMPROVEMENTS.
3. GRADE SITE, INCLUDING FILL.
4. STABILIZE TOP SOIL WITH SOD/SEED & MULCH ACCORDINGLY.



**LEGEND**

- AREA TO BE CLEARED DURING PHASE I IMPROVEMENTS
- LOCATION OF SILT FENCE
- LOCATION OF SOCKED PERFORATED PIPE

**1. SITE DESCRIPTION**

**A. Construction Activity/Project Limits:**  
 To develop a 5.74 acre commercial parcel located on the east side of Hancock Road and approximately one mile south of SR 50, in Lake County, Florida.

**B. Sequence of Major Activity and Implementation:**

1. Install erosion and pollution control measures.
2. Clear, grub & excavate retention area.
3. Grade site, including excavating & filling.
4. Stabilize top soil with sod/seed & mulch accordingly.

**C. Estimate of Total Project Area and Area to be Disturbed:**

1. The project area is 5.74 acres. The area to be disturbed will be 5.28 acres.

**D. Estimate of Runoff Coefficients and Existing Soil Data:**

1. The estimated runoff coefficient prior to construction: C = 0.20
2. The estimated runoff coefficient after construction: C = 0.50 to attenuation ponds. C = 0.20 from ponds.
3. The estimated runoff coefficient during construction: C = 0.1 to 0.4
4. The existing soils are listed as Astatula per the USDA Soil Conservation Service Soil Survey of Lake County.

**F. Site Map:**

See cover sheet of construction plans.

**F. Receiving Waters/Wetland Areas:**

1. The site is discharging to the north.

**2. CONTROLS**

**A. Erosion and Sediment Control:**

During the construction operations, the following control measures will be used to prevent erosion and sedimentation:

1. Clearing & grubbing will be performed to minimize the impacts to the unprotected areas exposed to erosion forces. Construction is limited to areas of clearing.
2. Excavated materials will be deposited in a manner to avoid washout from stormwater runoff. All stock piles will be protected by sediment containment devices.
3. All drainage structures will be protected during construction. See the erosion control and grading specifications listed on the approved construction plans for this project.

**B. Stormwater Management:**

The stormwater system will be handled through two proposed dry retention ponds.

**C. Other Controls:**

1. The contractor, at all times, will:
  1. Dispose of waste by appropriate means.
  2. Limit off-site tracking and spillage.
  3. Dispose of sanitary waste by appropriate means.
  4. Hire only certified technicians to handle or dispense fertilizers and pesticides.
  5. Stop work when encountering a spill, will not resume until directed by the project engineer and have the disposition of the hazardous waste be made in accordance with all regulating agencies.

**D. Approved State and Local Plans or Permits:**

The contractor is to adhere to the following stormwater permits that will be issued for this project:

1. St. Johns River Water Management District
2. Lake County

**3. MAINTENANCE**

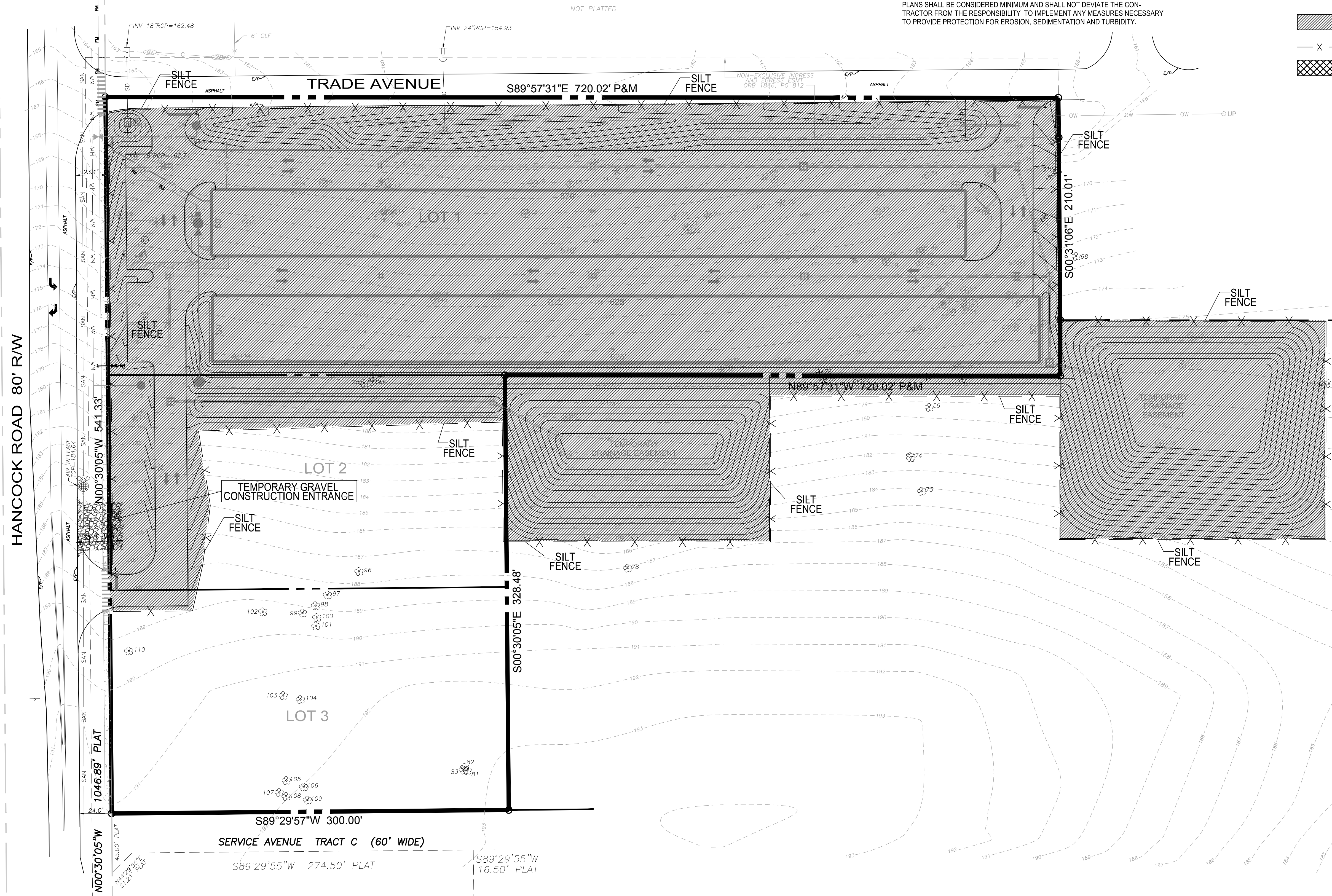
The contractor shall be responsible for implementing and maintaining all pollution and erosion control devices on a daily manner. A report will be taken to record any deviations from permit compliance.

**4. INSPECTION**

The contractor shall inspect all pollution and erosion control devices weekly and within 24 hours after a rainstorm in excess of 0.25 inches. The contractor shall report all findings and list the corrective actions taken to correct the deficiencies. These reports will be submitted to the engineer for review.

**5. REFERENCES**

The construction plans with specifications for this project are hereby referenced and made a part of this plan.



DATE:	JANUARY 28, 2016
SCALE:	1" = 40'
DESIGNED:	THS
DRAWN:	SCM
CHECKED BY:	THS
JOB NO.:	15130
EMAIL:	tomskelton46@gmail.com

REVISIONS	DATE

**AMERICAN CIVIL ENGINEERING CO.**

207 N. MOSS ROAD, SUITE 211 WINTER SPRINGS, FLORIDA 32708  
 PHONE: (407) 327-7700 FAX: (407) 327-0227  
 CERTIFICATE OF AUTHORIZATION NO.: 0000729

STORMWATER POLLUTION PREVENTION PLAN

**CUBESMART**

@ HANCOCK ROAD  
LAKE COUNTY, FLORIDA

THOMAS H. SKELTON, PE  
REGISTRATION NO. 42752

SHEET: **5** OF **17**