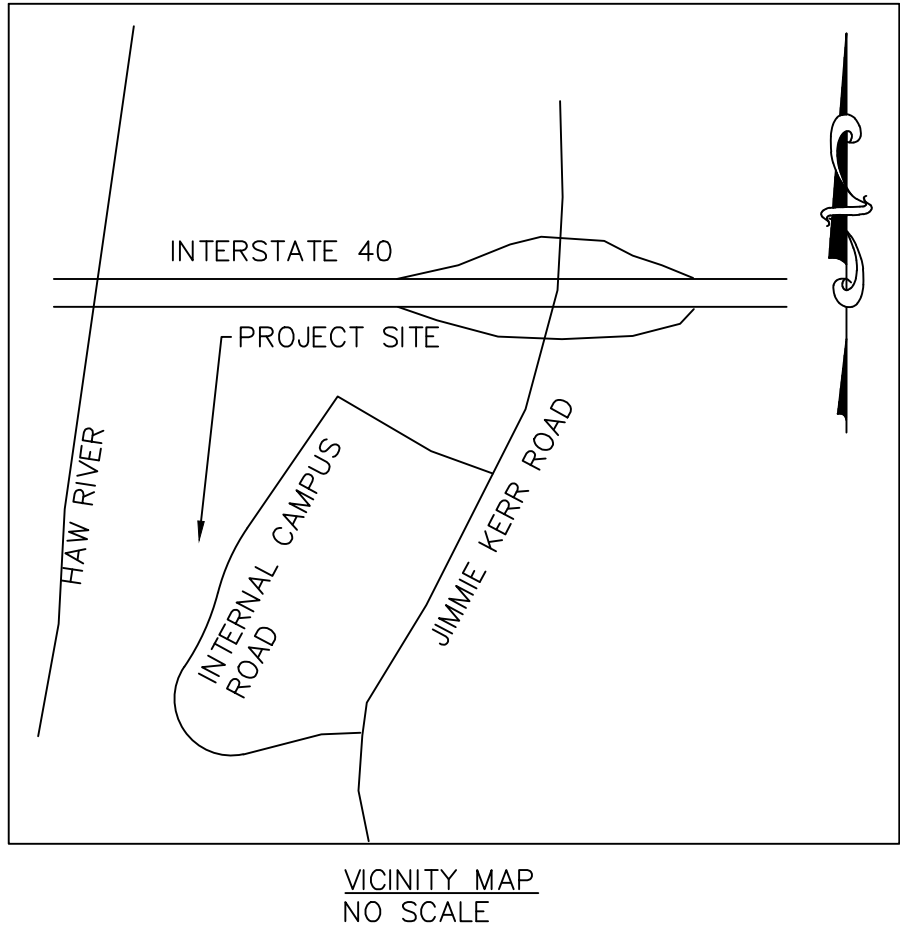


SITE SUMMARY:
ENGINEER: DRAPER ADEN ASSOCIATES
46 W. WASHINGTON STREET
COATS, NC 27521
910-897-7070
AMERICLE@DAA.COM
ATTN: ANDREW MERICLE

OWNER: ALAMANCE COMMUNITY COLLEGE
336-578-2002
1247 JIMMIE KERR ROAD
889432932
13-14-69
DB/PG: 549/313
PB/PG: 073/0161
PARCEL AREA: 2,860,747 SF / 65.67AC
ZONING: I-1, LIGHT INDUSTRIAL
DISTURBANCE: 7,400 SF
FLOOD ZONE: ZONE AE
MAP# 3710889400J, 9/6/2016
BFE: ~501.0



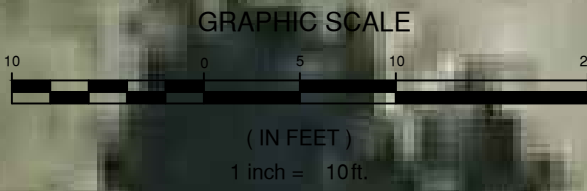
VICINITY MAP
NO SCALE

SEQUENCE OF CONSTRUCTION

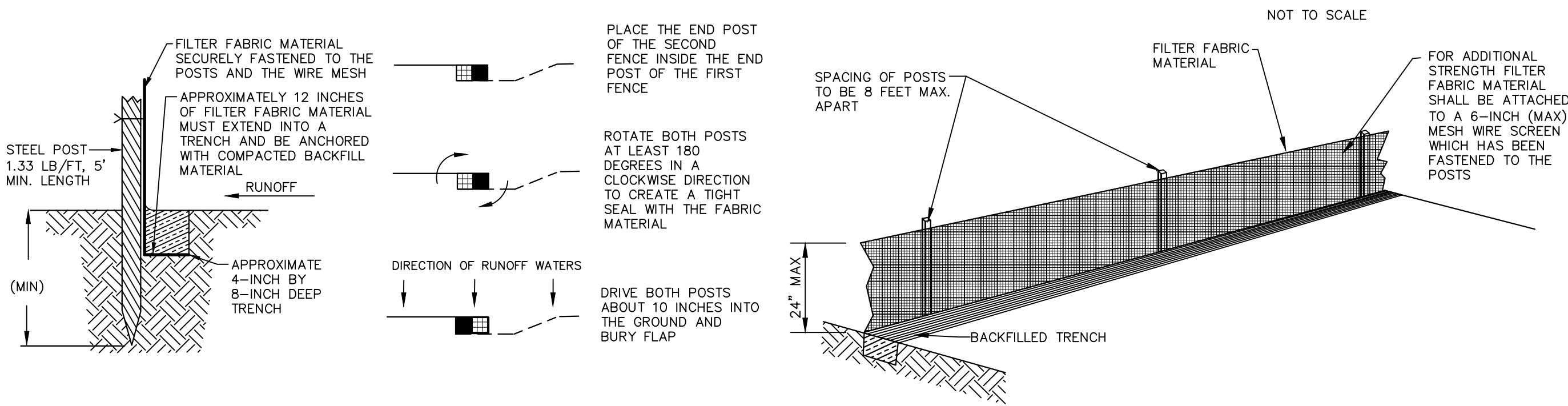
1. CONTRACTOR TO INSTALL ALL ESC MEASURES PRIOR TO ANY LAND DISTURBANCE. NO CONSTRUCTION ENTRANCE REQUIRED AS NO LAND DISTURBANCE WILL OCCUR AND THEREFORE NO MUD WILL BE CREATED.
2. CONTRACTOR TO STRIP TOP 2" OF GRAVEL TO 2' OUTSIDE THE ENTIRE AREA TO BE PAVED. EXCESS GRAVEL TO BE USED TO GRADE AS NECESSARY AROUND THE PAD AND THE REST SPREAD OVER THE EXISTING LOT AND COMPACTED.
3. LASER GRADE GRAVEL PAD AT MINIMUM SLOPE OF 0.5% AND MAXIMUM OF 1.5%. THE EXACT GRADE SHALL BE DETERMINED IN THE FIELD BASED ON SURROUNDING PARKING LOT GRADES AND TO ALLOW ALL SURFACE DRAINAGE TO FLOW OVER THE COURT AND NOT POND AT ANY LOCATION AROUND THE EDGE.
4. PROOF ROLL AREA TO BE PAVED.
5. INSTALL ALL MANUFACTURER REQUIRED FOUNDATIONS AND SLEEVES FOR BASKETBALL GOALS.
6. INSTALL AND COMPACT 2" OF TYPE S9.5A ASPHALT COMPACTED TO 95% AND PROVIDE QC COMPACTION TEST RECORDS AND ASPHALT PLANT MIX RECORDS TO ENGINEER.
7. APPLY ONE COAT OF LAYKOLD ACRYLIC RESURFACER ACCORDING TO MANUFACTURER RECOMMENDED PRACTICES.
8. APPLY (2) SAND FILLED COATS AND (1) FINISH COAT OF LAYKOLD COLORCOAT ACCORDING TO MANUFACTURER RECOMMENDED PRACTICES.
9. HAND PAINT 2" LINES WITH LAYKOLD TEXTURED ACRYLIC LINE PAINT TO NCAA SPECIFIED DIMENSIONS FOR BASKETBALL AND VOLLEYBALL.
10. CLEAN UP SURROUNDING AREA FROM CONSTRUCTION DEBRIS.
11. SEED AND MULCH ANY DISTURBED AREAS NOT PAVED.
12. UPON SITE STABILIZATION AND ENGINEER APPROVAL, REMOVE SILT FENCE.

SITE NOTES:

- NO BUFFERS ARE TO BE DISTURBED.
- NO WETLANDS ARE TO BE DISTURBED.
- NO SOILS WILL BE DISTURBED WITH THE PROPOSED PROJECT AND NO ADDITIONAL IMPERVIOUS AREA WILL BE CREATED.
- PROJECT SITE IS WITHIN OVERALL CAMPUS PARCEL AND NOT VISIBLE FROM ANY ROW.
- NO REQUIRED PARKING IS BEING REMOVED AS PART OF THE PROJECT AS THIS LOT IS FOR OVERFLOW USE ONLY.
- NO UTILITY WORK WILL BE DONE AS PART OF THIS PROJECT.
- MAPPING IS PER AVAILABLE GIS INFORMATION.
- ANY REPAIRS NECESSARY DUE TO MAINTENANCE OF THE CITY OWNED SEWER LINE IS THE RESPONSIBILITY OF THE COLLEGE.
- SUBMITTALS BELOW SHALL BE PROVIDED TO ENGINEER FOR REVIEW AND APPROVAL:
 - ASPHALT
 - LAYKOLD ACRYLIC RESURFACER
 - LAYKOLD COLOR COAT
 - LINE PAINT
 - BASKETBALL POST AND GOAL
 - EXTERIOR POST SLEEVES
 - ASPHALT TEST RESULTS



ATTACHING TWO SEDIMENT FENCES



SILT FENCE MATERIALS

1. USE A SYNTHETIC FILTER FABRIC OF AT LEAST 95% BY WEIGHT OF POLYOLEFINS OR POLYESTER, WHICH IS CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE REQUIREMENTS IN ASTM D 6461, WHICH IS SHOWN IN PART IN TABLE 6.62B. SYNTHETIC FILTER FABRIC SHOULD CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS OF EXPECTED USABLE CONSTRUCTION LIFE AT A TEMPERATURE RANGE OF 0 TO 120° F.
 2. ENSURE THAT POSTS FOR SEDIMENT FENCES ARE 1.33 LB/INCH FT STEEL WITH A MINIMUM LENGTH OF 5 FEET. MAKE SURE THAT STEEL POSTS HAVE PROJECTIONS TO FACILITATE FASTENING THE FABRIC.
 3. FOR REINFORCEMENT OF STANDARD STRENGTH FILTER FABRIC, USE WIRE FENCE WITH A MINIMUM 14 GAUGE AND A MAXIMUM MESH SPACING OF 6 INCHES.
- #### CONSTRUCTION
1. CONSTRUCT THE SEDIMENT BARRIER OF STANDARD STRENGTH OR EXTRA STRENGTH SYNTHETIC FILTER FABRICS.
 2. ENSURE THAT THE HEIGHT OF THE SEDIMENT FENCE DOES NOT EXCEED 24 INCHES ABOVE THE GROUND SURFACE. (HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.)
 3. CONSTRUCT THE FILTER FABRIC FROM A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS. WHEN JOINTS ARE NECESSARY, SECURELY FASTEN THE FILTER CLOTH ONLY AT A SUPPORT POST WITH 4 FEET MINIMUM OVERLAP TO THE NEXT POST.
 4. SUPPORT STANDARD STRENGTH FILTER FABRIC BY WIRE MESH FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS. EXTEND THE WIRE MESH SUPPORT TO THE BOTTOM OF THE TRENCH. FASTEN THE WIRE REINFORCEMENT, THEN FABRIC ON THE UPSLOPE SIDE OF THE FENCE POST. WIRE OR PLASTIC ZIP TIES SHOULD HAVE MINIMUM 50 POUND TENSILE STRENGTH.
 5. WHEN A WIRE MESH SUPPORT FENCE IS USED, SPACE POSTS A MAXIMUM OF 8 FEET APART. SUPPORT POSTS SHOULD BE DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 24 INCHES.
 6. EXTRA STRENGTH FILTER FABRIC WITH 6 FEET POST SPACING DOES NOT REQUIRE WIRE MESH SUPPORT FENCE. SECURELY FASTEN THE FILTER FABRIC DIRECTLY TO POSTS. WIRE OR PLASTIC ZIP TIES SHOULD HAVE MINIMUM 50 POUND TENSILE STRENGTH.
 7. EXCAVATE A TRENCH APPROXIMATELY 4 INCHES WIDE AND 8 INCHES DEEP ALONG THE PROPOSED LINE OF POSTS AND UPSLOPE FROM THE BARRIER (FIGURE 6.62A).
 8. PLACE 12 INCHES OF THE FABRIC ALONG THE BOTTOM AND SIDE OF THE TRENCH.
 9. BACKFILL THE TRENCH WITH COMPACTED SOIL PLACED OVER THE FILTER FABRIC. THOROUGH COMPACTION OF THE BACKFILL IS CRITICAL TO SILT FENCE PERFORMANCE.
 10. DO NOT ATTACH FILTER FABRIC TO EXISTING TREES.

SEDIMENT FENCE INSTALLATION USING THE SLICING METHOD

INSTEAD OF EXCAVATING A TRENCH, PLACING FABRIC AND THEN BACKFILLING TRENCH, SEDIMENT FENCE MAY BE INSTALLED USING SPECIALLY DESIGNED EQUIPMENT THAT INSERTS THE FABRIC INTO A CUT SLICED IN THE GROUND WITH A DISC.

INSTALLATION SPECIFICATIONS

1. THE BASE OF BOTH END POSTS SHOULD BE AT LEAST ONE FOOT HIGHER THAN THE MIDDLE OF THE FENCE. CHECK WITH A LEVEL IF NECESSARY.
2. INSTALL POSTS 4 FEET APART IN CRITICAL AREAS AND 6 FEET APART ON STANDARD APPLICATIONS.
3. INSTALL POSTS 2 FEET DEEP ON THE DOWNSTREAM SIDE OF THE SILT FENCE, AND AS CLOSE AS POSSIBLE TO THE FABRIC, ENABLING POSTS TO SUPPORT THE FABRIC FROM UPSTREAM WATER PRESSURE.
4. INSTALL POSTS WITH THE NIPPLES FACING AWAY FROM THE SILT FABRIC.
5. ATTACH THE FABRIC TO EACH POST WITH THREE TIES, ALL SPACED WITHIN THE TOP 8 INCHES OF THE FABRIC. ATTACH EACH TIE DIAGONALLY 45 DEGREES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1 INCH VERTICALLY APART. ALSO, EACH TIE SHOULD BE POSITIONED TO HANG ON A POST NIPPLE WHEN TIGHTENED TO PREVENT SAGGING.
6. WRAP APPROXIMATELY 6 INCHES OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES.
7. NO MORE THAN 24 INCHES OF A 36 INCH FABRIC IS ALLOWED ABOVE GROUND LEVEL.
8. THE INSTALLATION SHOULD BE CHECKED AND CORRECTED FOR ANY DEVIATIONS BEFORE COMPACTION.
9. COMPACTION IS VITALLY IMPORTANT FOR EFFECTIVE RESULTS. COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC WITH THE FRONT WHEEL OF THE TRACTOR, SKID STEER, OR ROLLER EXERTING AT LEAST 60 POUNDS PER SQUARE INCH. COMPACT THE UPSTREAM SIDE FIRST, AND THEN EACH SIDE TWICE FOR A TOTAL OF 4 TRIPS.

MAINTENANCE

1. INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
2. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
3. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.
4. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

SEDIMENT FENCE DETAIL

NOT TO SCALE

SITE LAYOUT

ACC MULTIPURPOSE COURT

CITY OF GRAHAM, NORTH CAROLINA

REVISIONS

DESIGNED BY:	APM
DRAWN BY:	APM
CHECKED BY:	CTC JR
SCALE:	1" = 10'
DATE:	11.28.16
PROJECT NUMBER:	N16280N-01
C1.0	

Draper Aden Associates

Engineering • Surveying • Environmental Services



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