SCALE UNITS IN FEET

ENGINEERING & CONSTRUCTION PLANS

AVIAGEN LAB ADDITION

79 DUER COURT CROSSVILLE, CUMBERLAND COUNTY, TENNESSEE

PROJECT SITE

TOTAL PROPERTY - 3.67± ACRES TOTAL DISTURBANCE AREA - 0.23± ACRES LAT: N 35.968894° LONG: W-85.021082° COUNTY: CUMBERLAND, MAP 100B, GROUP C. PARCEL 001.23 CROSSVILLE, TENNESSEE 38555

PROJECT LOCATION MAP

ECE SERVICES PROJECT # 23535

INDEX OF DRAWING SHEETS

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EROSION CONTROL DETAILS	C-501 TO C-502

SCOPE:

BUILDING ADDITION AT THE AVIAGEN LAB LOCATED ON DUER COURT IN CROSSVILLE, TENNESSEE. WORK BEING PERFORMED OF GRADING SITE FOR AN ACCESS ROAD, PARKING AND BUILDING PAD AREA WITH ASSOCIATED UTILITIES.

FOR: HIGHLAND CONSTRUCTION INC.

470 US 70 CROSSVILLE, CUMBERLAND CO., TN 931.787.1926

ENVIRONMENTAL & CIVIL ENGINEERING SERVICES

CROSSVILLE | MOUNT JULIET 702 Old Jamestown Hwy Crossville, TN 38555

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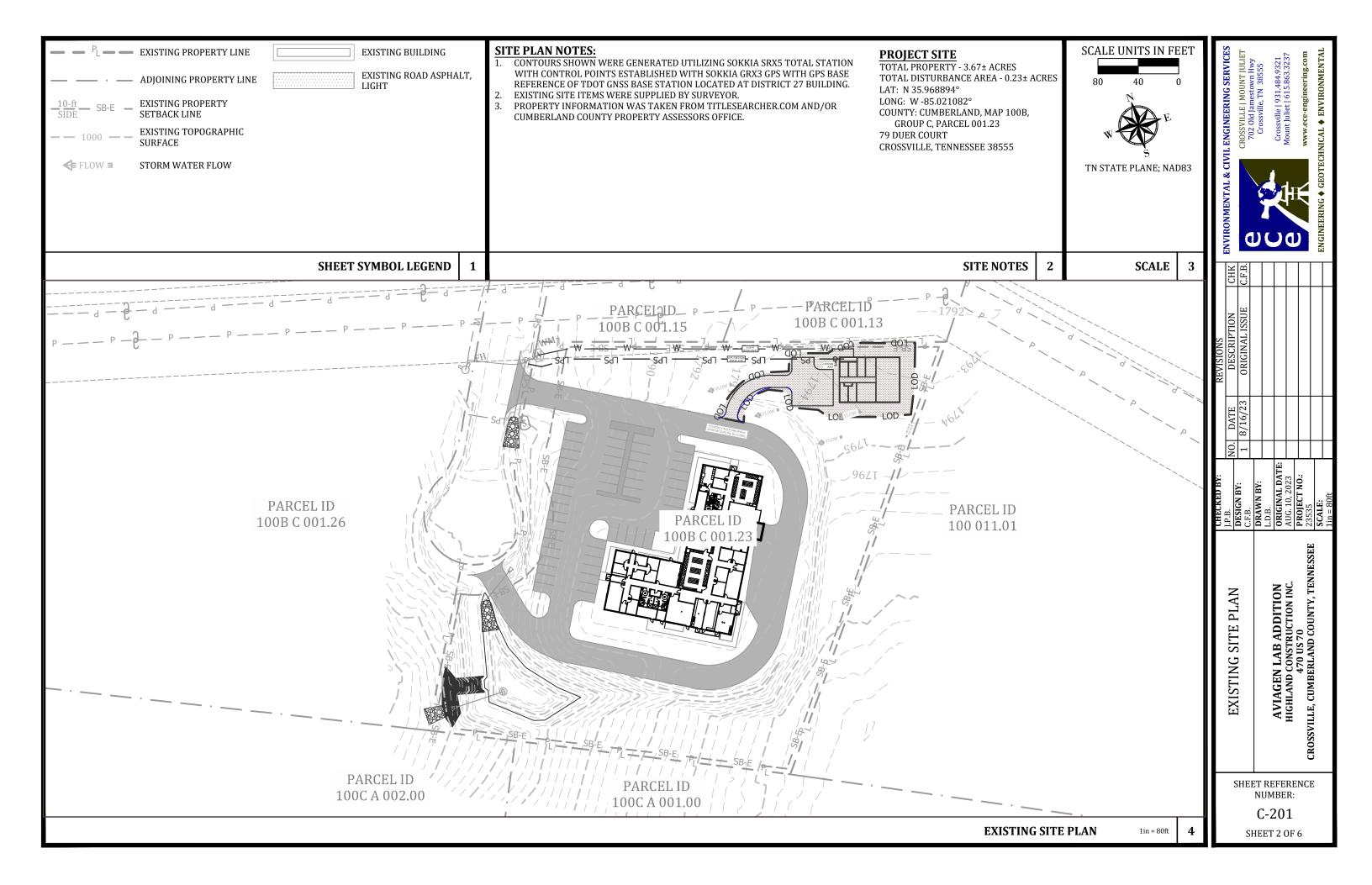
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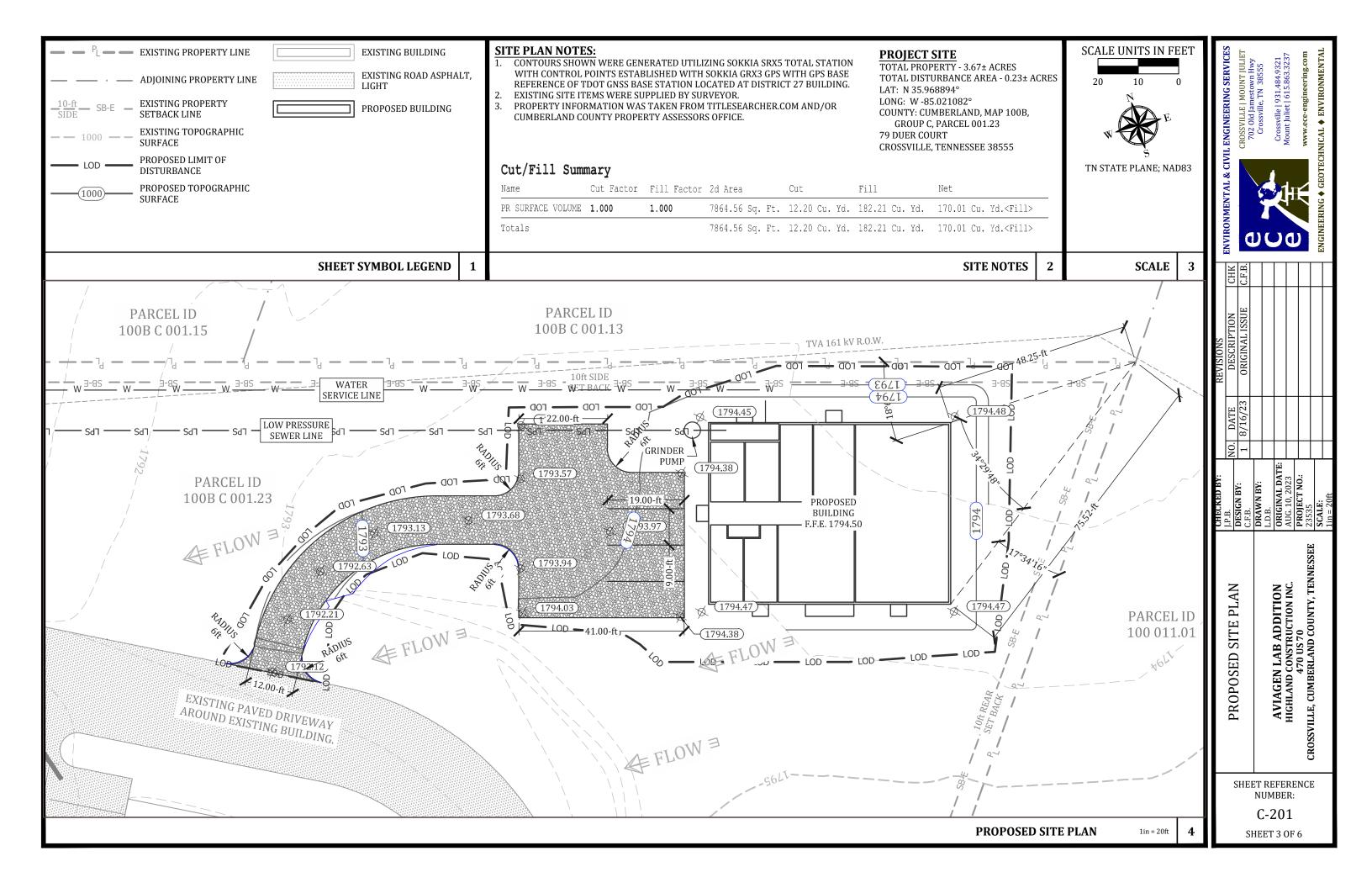
G-001

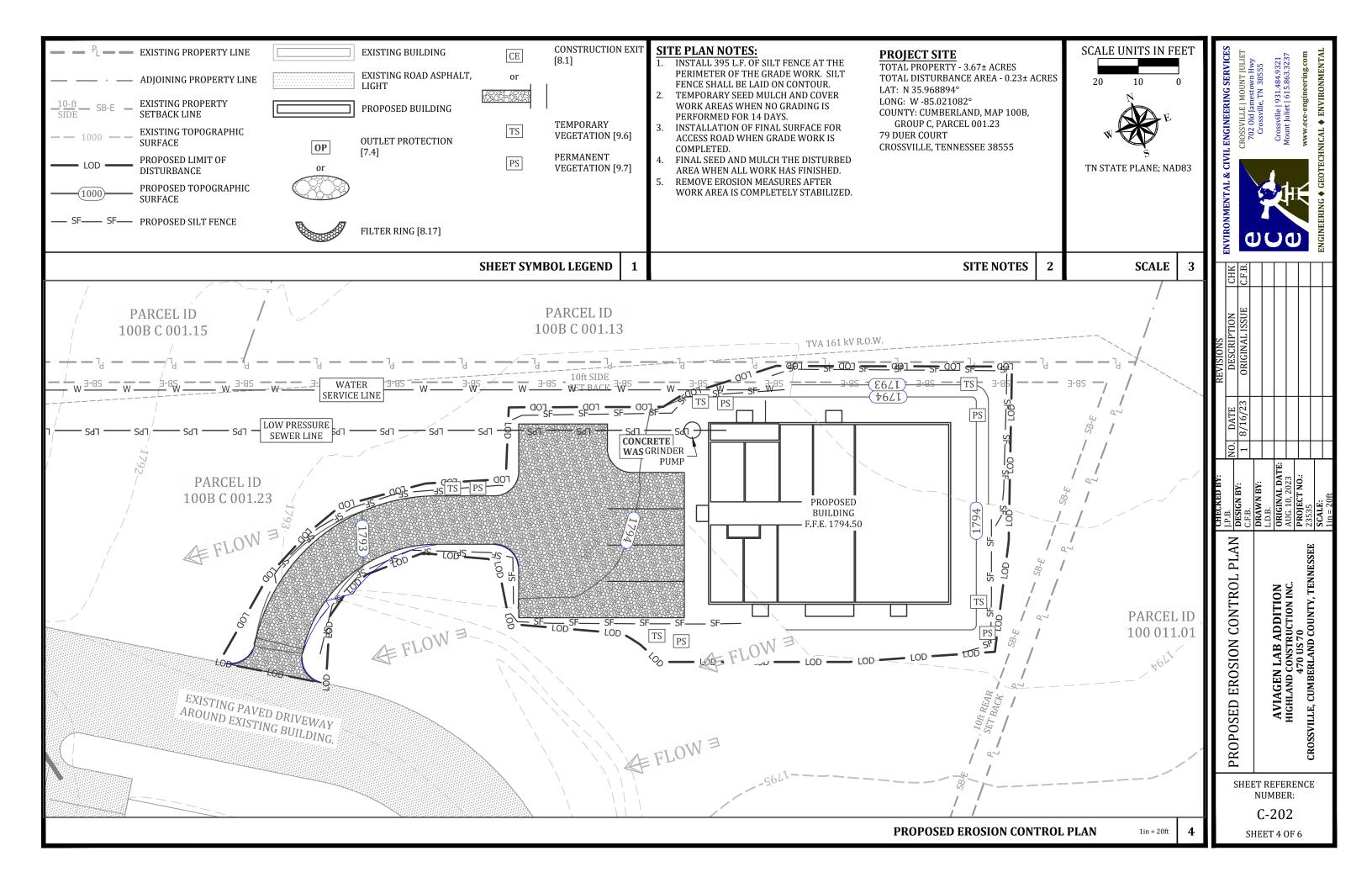
SHEET 1 OF 6

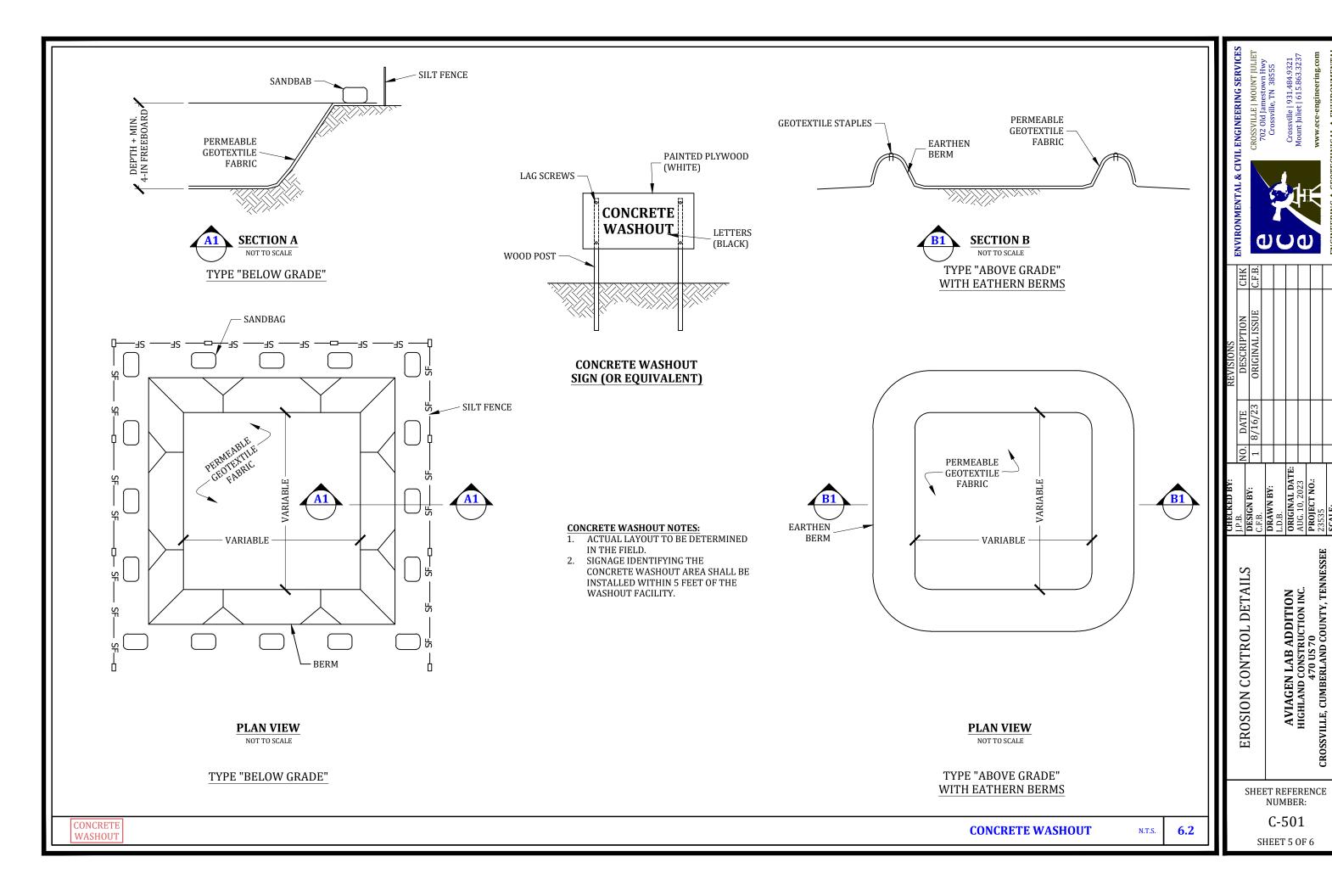


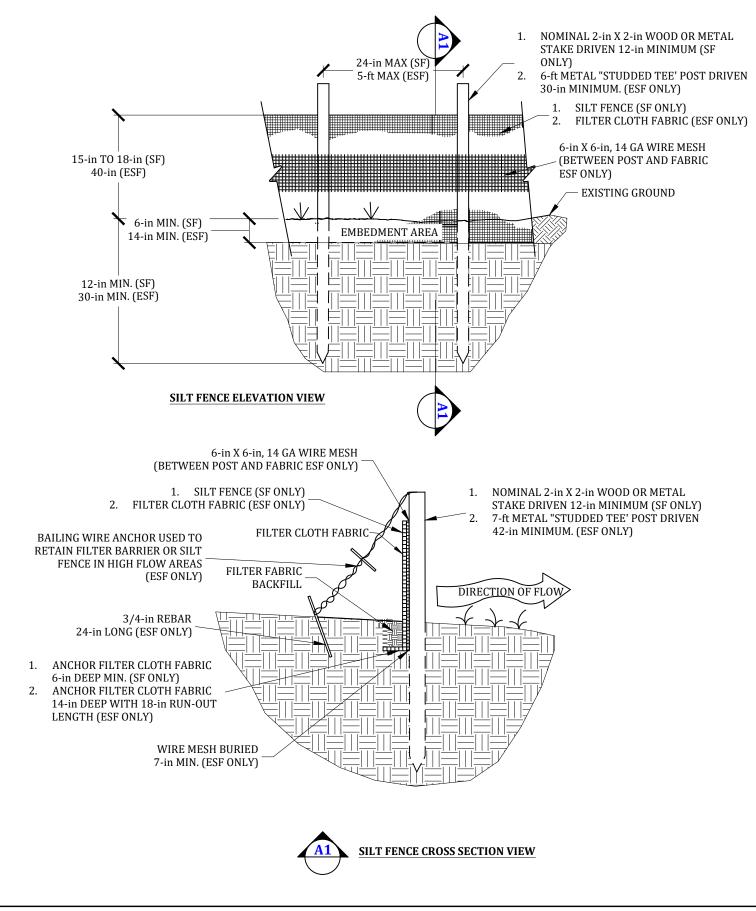
ENGINEERING ◆ GEOTECHNICAL ◆ ENVIRONMENTAL











WOOD POST CONNECTION

VERTICALLY)

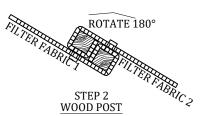
STAPLE (6-in SPACING VERTICALLY)



FILTER FABRIC 2

STAPLE (6-in SPACING

STEP 1



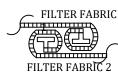
- 1. ROTATE BOTH POSTS WITH FABRIC CLOCKWISE AT LEAST 180°.
- 2. EMBED BOTH POST INTO GROUND PER APPLICABLE FILTER FENCE SPECIFICATIONS.

METAL POST CONNECTION

FILTER SUPPORT POST
FABRIC 1 (PRIOR TO EMBEDMENT)
FILTER FABRIC 2

E.O. FENCE 1

- 1. WRAP FABRICAROUND END SUPPORTS AS SHOWN AND ANCHOR FABRIC TO POSTS.
- 2. POSITION POSTS/FABRIC AS SHOWN ABOVE. STEP 1



1. POSITION THE FILTER FABRIC 2 POST INSIDE OF THE FILTER FABRIC 1 POST AS SHOWN ABOVE. STEP 2



- 1. ROTATE BOTH POST WITH FABRIC CLOCKWISE AT LEAST 180°.
- 2. EMBED BOTH POST INTO GROUND PER APPLICABLE FILTER FENCE SPECIFICATIONS.

STEP 3

SILT FENCE NOTES:

- 1. ARE SEDIMENT CONTROL STRUCTURES
 COMPOSED OF STANDARD WEIGHT
 SYNTHETIC FILTER-FABRIC STAPLED TO
 WOODEN STAKES OR METAL T-POST. SILT
 FENCE SHALL HAVE AN EXPECTED USABLE
 LIFE OF 3 MONTHS. THEY ARE
 APPLICABLE IN DITCH LINES, AROUND
 DROP INLETS, AND AT TEMPORARY
 LOCATIONS WHERE CONTINUOUS
 CONSTRUCTION CHANGES THE EARTH
 CONTOUR AND RUNOFF CHARACTERISTICS
 AND WHERE LOW OR MODERATE FLOWS
 (NOT EXCEEDING 1 cfs) ARE EXPECTED.
- 2. THE HEIGHT OF A SILT FENCE SHALL BE A MINIMUM OF 15-INCHES AND SHALL NOT EXCEED 18-INCHES.
- 3. STANDARD STRENGTH SYNTHETIC FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL AND CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS (AND THUS IMPROVE THE STRENGTH AND EFFICIENCY OF THE BARRIER).
- 4. WOOD STAKES SHALL BE SPACED A
 MAXIMUM OF 5 FEET APART AT THE
 BARRIER LOCATION AND DRIVEN
 SECURELY INTO THE GROUND (MINIMUM
 OF 12-INCHES).
- 5. FOR TRENCH INSTALLATION A TRENCH SHALL BE EXCAVATED APPROXIMATELY 6-INCHES WIDE AND 6-INCHES DEEP ALONG THE LINE OF STAKES AND UP-SLOPE FROM THE BARRIER. SLIT INSTALLATION IS ACCEPTABLE WITH PROPER EQUIPMENT.
- 6. THE FILTER MATERIAL SHALL BE STAPLED TO THE WOODEN STAKES, AND 6-8-INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. HEAVY DUTY WIRE STAPLES AT LEAST 1/2-INCH LONG SHALL BE USED. FILTER MATERIAL SHALL NOT BE STAPLED TO EXISTING TREES.
- 7. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER MATERIAL.
- 3. SILT FENCE SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UP-SLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
- . ENHANCED SILT FENCES ARE COMPOSED OF A WIRE SUPPORT FENCE, METAL T-POST AND AN ATTACHED SYNTHETIC FILTER FABRIC SLOW THE FLOW RATE SIGNIFICANTLY. THEIR EXPECTED USABLE LIFE IS 6 MONTHS.

AVIAGEN LAB ADDITION
HIGHLAND CONSTRUCTION INC.
470 US 70
CROSSVILLE, CUMBERLAND COUNTY, TENNESSEE **EROSION CONTROL DETAILS** SHEET REFERENCE NUMBER:

ENGINEERING SERV

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D SILT FENCE N.T.S 8.10

C-502

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