



08-0170

SOMS: 287048.

Corporate Environmental Programs
General Electric Company
100 Woodlawn Ave., Pittsfield, MA 01201

Transmitted Via FedEx

November 4, 1999

Mr. Bryan Olson
Mr. Dean Tagliaferro
Site Evaluation and Response Section (HBR)
U.S. Environmental Protection Agency
One Congress Street
Boston, MA 02203-2111

**Re: Addendum No. 1 to Removal Action Work Plan -
Upper ½-Mile Reach of the Housatonic River
General Electric Company, Pittsfield, Massachusetts**

Dear Messrs. Olson and Tagliaferro:

On July 12, 1999, the General Electric Company (GE) submitted a document entitled *Proposal for Supplemental Source Control Containment/Recovery Measures - Lyman Street Site* [Blasland, Bouck & Lee, Inc. (BBL), July 1999]. The United States Environmental Protection Agency (EPA) reviewed the document and issued a conditional approval letter dated August 27, 1999. In that conditional approval letter, the EPA required certain additional submittals for a document entitled *Removal Action Work Plan - Upper ½-Mile Reach of Housatonic River* (BBL, August 1999). This letter and the attached figures are being submitted as an addendum (Addendum No. 1) to that Work Plan to provide the additional submittals required by EPA's conditional approval letter. In accordance with discussions between GE counsel and EPA counsel, this addendum should be considered, for purposes of the Consent Decree lodged October 7, 1999, as a non-material modification to the Upper ½-Mile Reach Removal Action Work Plan under Paragraph 216 of the Consent Decree.

This Addendum No. 1 presents information associated with construction and restoration activities in the Upper ½-Mile Reach of Housatonic River adjacent to the Lyman Street Area (as defined in the Consent Decree). This information is presented on two attached figures -- Figure 4-4 and Figure 7-1D. The first figure (Figure 4-4) has been revised to identify the lateral limits of excavation associated with the installation of barrier sheeting at the Lyman Street Area and the location of several removal/restoration cross-sections within the excavation area. In addition, as depicted on Figure 4-4, a continuous layer of rip-rap along the toe-of-slope between polygons SL0229 and SL0170 has been added. The second figure (Figure 7-1D) depicts cross-sections (Sections V-V' through AA-AA') indicated on Figure 4-4 and identifies the limits of excavation and the proposed restoration activities for those areas.

Please contact me if you have any questions regarding this addendum.

Sincerely yours,

Andrew T. Silfer/nog

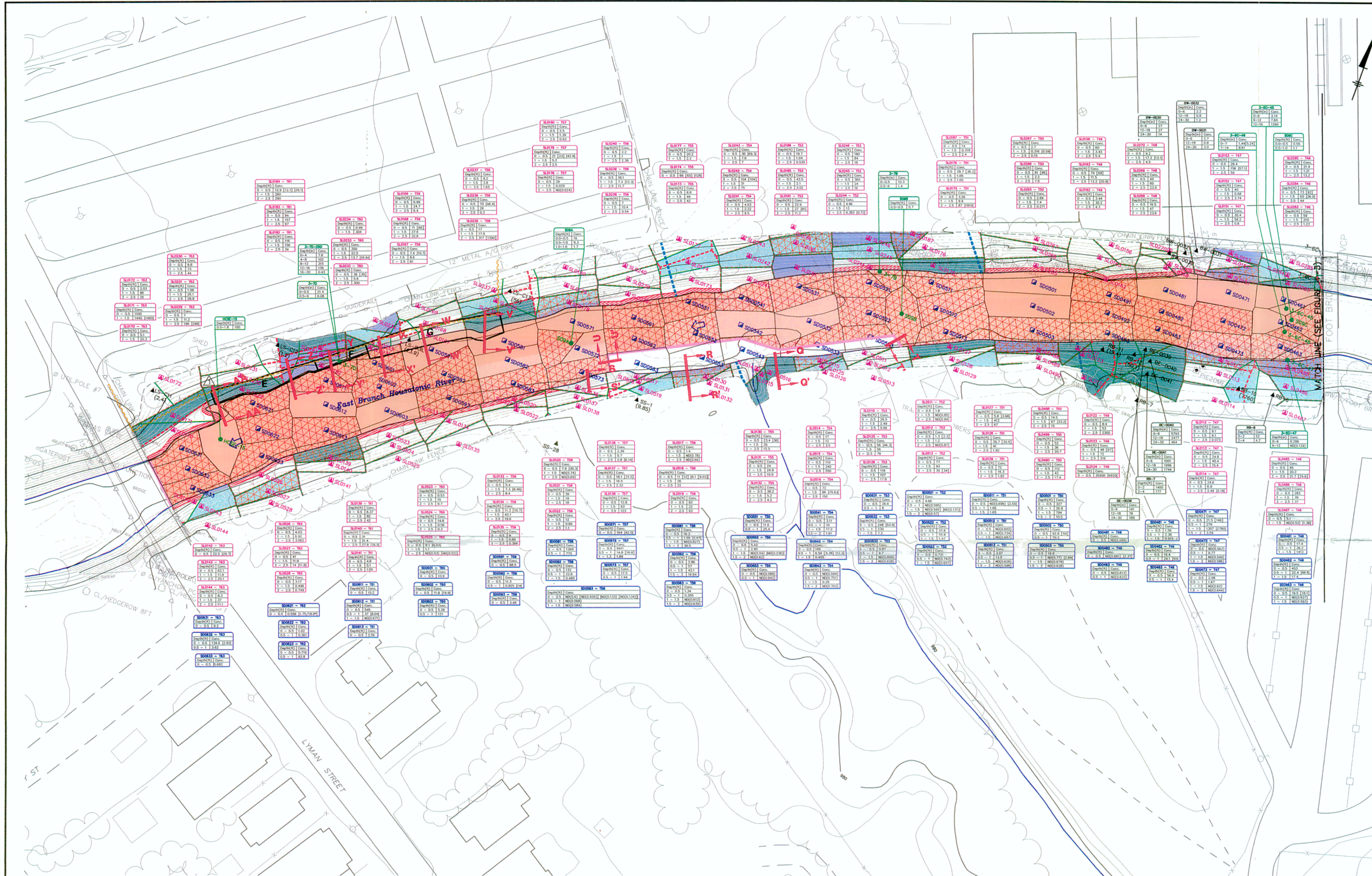
Andrew T. Silfer, P.E.
Project Coordinator

JJL/smr
Enclosure

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Robert Goldman, Blasland, Bouck & Lee*
Public Information Repositories*

(* with enclosure)

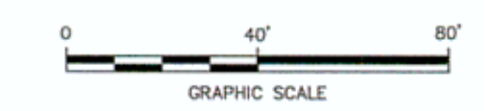


LEGEND:

- 1.5 FEET SEDIMENT REMOVAL DEPTH
- 2 FEET SEDIMENT REMOVAL DEPTH
- 2.5 FEET SEDIMENT REMOVAL DEPTH
- 1 FOOT BANK SOIL REMOVAL DEPTH
- 2 FEET BANK SOIL REMOVAL DEPTH
- 3 FEET BANK SOIL REMOVAL DEPTH
- NON-TSCA/NON-RCRA SOIL/SEDIMENT POLYGON
- AREA SUBJECT TO BANK STABILIZATION ACTIVITIES
- EPA BANK SAMPLE LOCATION (AUGUST - SEPTEMBER 1998)/PCB DATA (IN ppm)
- OTHER BANK SAMPLE LOCATION/PCB DATA (IN ppm) OR RB-9 (4.17)
- EPA SEDIMENT SAMPLE LOCATION (AUGUST - OCTOBER 1998)/PCB DATA (IN ppm)
- OTHER SEDIMENT SAMPLE LOCATION/PCB DATA (IN ppm)
- 0'-1' BANK SOIL POLYGON
- 1'-3' BANK SOIL POLYGON
- TOP OF BANK
- BANK SOIL AVERAGING AREA BOUNDARY
- CONTAINMENT BARRIER LOCATION
- EFG ADDITIONAL EXCAVATION TO OCCUR IN CONJUNCTION WITH SOURCE CONTROL ACTIVITIES
- CAP AND ARMOR TIE-IN BUFFER
- SECTION LOCATION

- NOTE:**
1. MAPPING IS BEST AVAILABLE INFORMATION AS OF 12/10/98 BASED ON MAPPING PROVIDED BY LOCKWOOD MAPPING, INC. PREPARED FROM 1990 AERIAL PHOTOGRAPHY; DATA PROVIDED BY GENERAL ELECTRIC; AND BLASLAND AND BOUCK, P.C. CONSTRUCTION PLANS - RIVERBANK AND RIVER BED TOPOGRAPHIC INFORMATION PROVIDED BBL FROM OCTOBER 12-23, 1998 FIELD SURVEY.
 2. COORDINATE GRID BASED ON 1927 STATE PLAN COORDINATES.
 3. ELEVATION DATUM REFERENCED TO NGVD 1929.
 4. BANK SOIL POLYGONS SL0153, SL0166, SL0187, SL0233, SL0093, SL0466 AND SL0475 ARE REMOVED BASED ON THE APPENDIX IX-3 EVALUATION.

DRAFT



LYMAN STREET SOURCE CONTROL EXCAVATION	
SECTION	PROPOSED ELEVATION OF FINAL EXCAVATION
E	972.5
F	969.5
G	967.5

- NOTES: - CONT'D**
5. NON-TSCA/NON-RCRA CLASSIFICATION FOR SOIL/SEDIMENT TO BE REMOVED BASED ON:
 - A. THE AVERAGE PCB CONCENTRATION DETECTED WITHIN THE REMOVAL DEPTH INTERVAL OF A POLYGON IS LESS THAN 50PPM (NON-TSCA); AND
 - B. THE MAXIMUM POSSIBLE TCLP EXTRACT CONCENTRATION OF EACH APPENDIX IX-3 CONSTITUENT DETECTED WITHIN THE REMOVAL DEPTH INTERVAL OF A POLYGON (CALCULATED BY DIVIDING THE TOTAL CONSTITUENT CONCENTRATION BY A DILUTION FACTOR OF 20) IS LESS THAN ITS RESPECTIVE RCRA TOXICITY CHARACTERISTIC REGULATORY LEVEL (I.E., IT IS NON-RCRA). BASED ON THIS EVALUATION, NON-TSCA POLYGON SOILS/SEDIMENTS CLASSIFIED AS RCRA ARE: SL0153 AND SL0181; (SOILS); AND SD0481 AND SD0312 (SEDIMENTS).

No.	Date	Revisions
1	11/4/99	ADDENDUM No. 1 - LYMAN STREET CROSS SECTIONS

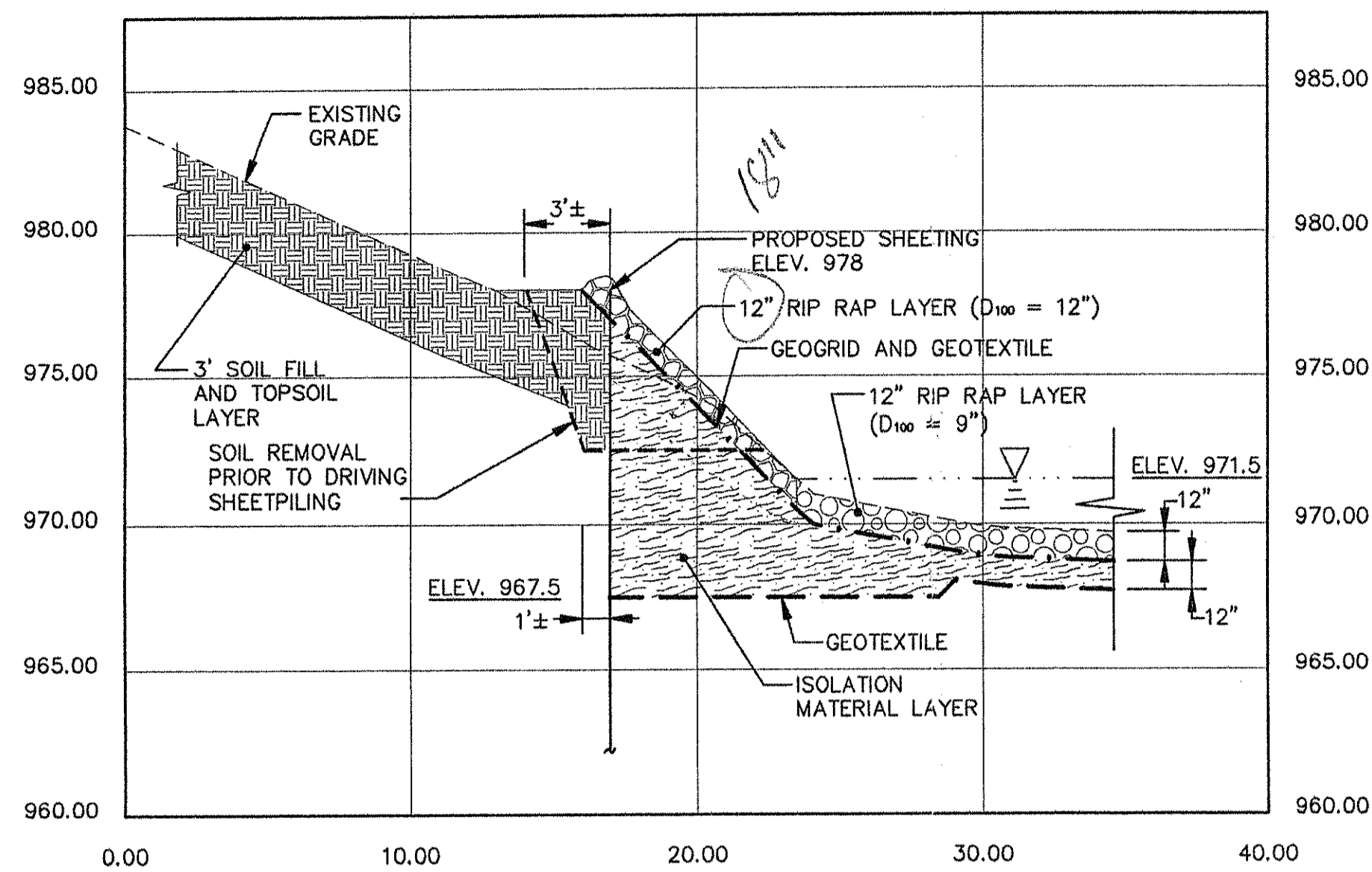
**GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
REMOVAL ACTION WORK PLAN -
UPPER 1/2-MILE REACH OF HOUSATONIC RIVER**

**SEDIMENT AND BANK SOIL SAMPLE LOCATIONS,
PCB RESULTS AND PROPOSED REMOVAL AREAS
SECTION 4**

**FIGURE
4-4**

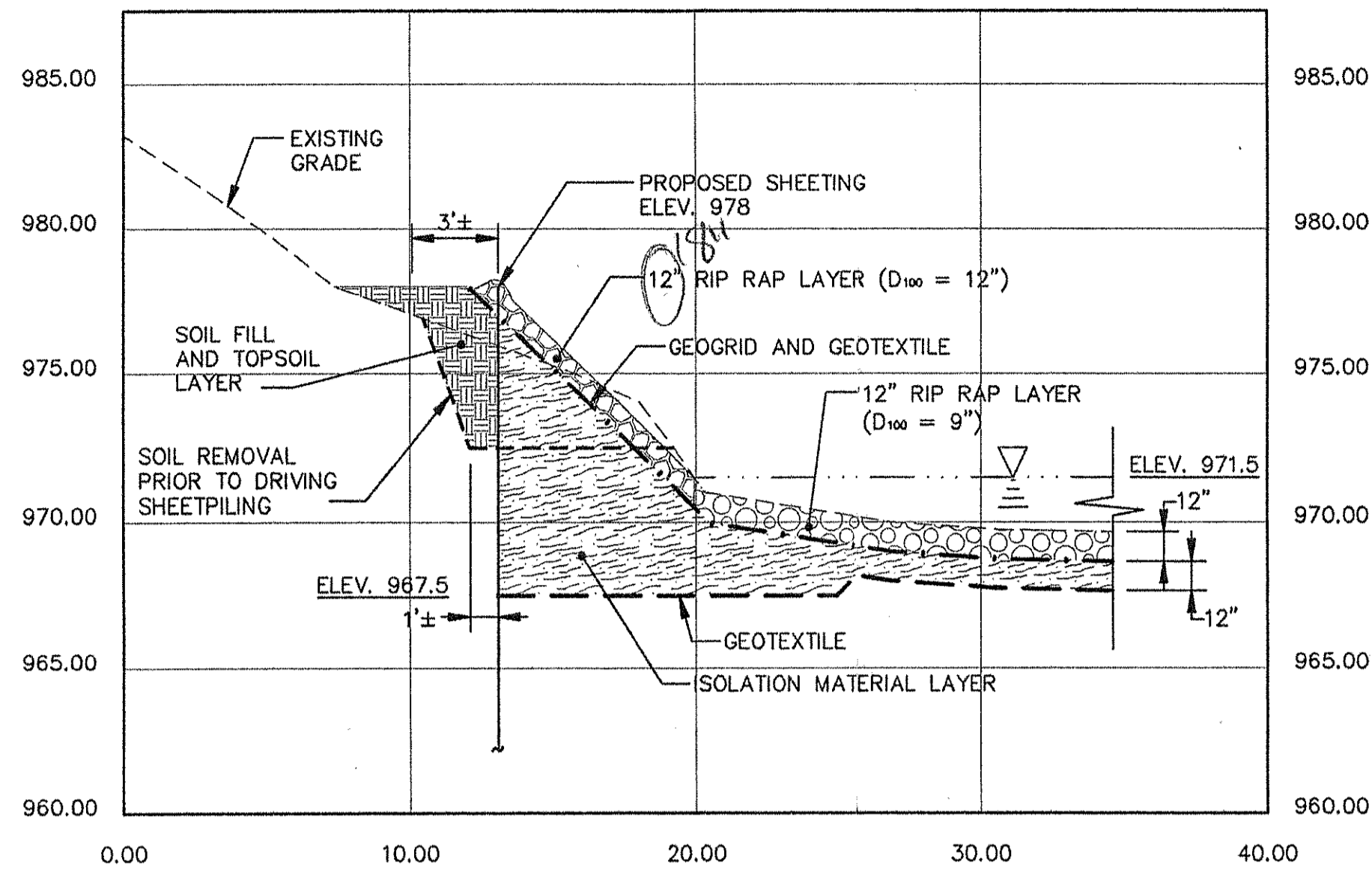
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 P: STD-PCP/DL
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 20197030/B16A.DWG

BBL BLASLAND, BOUCK & LEE, INC.
engineers & scientists



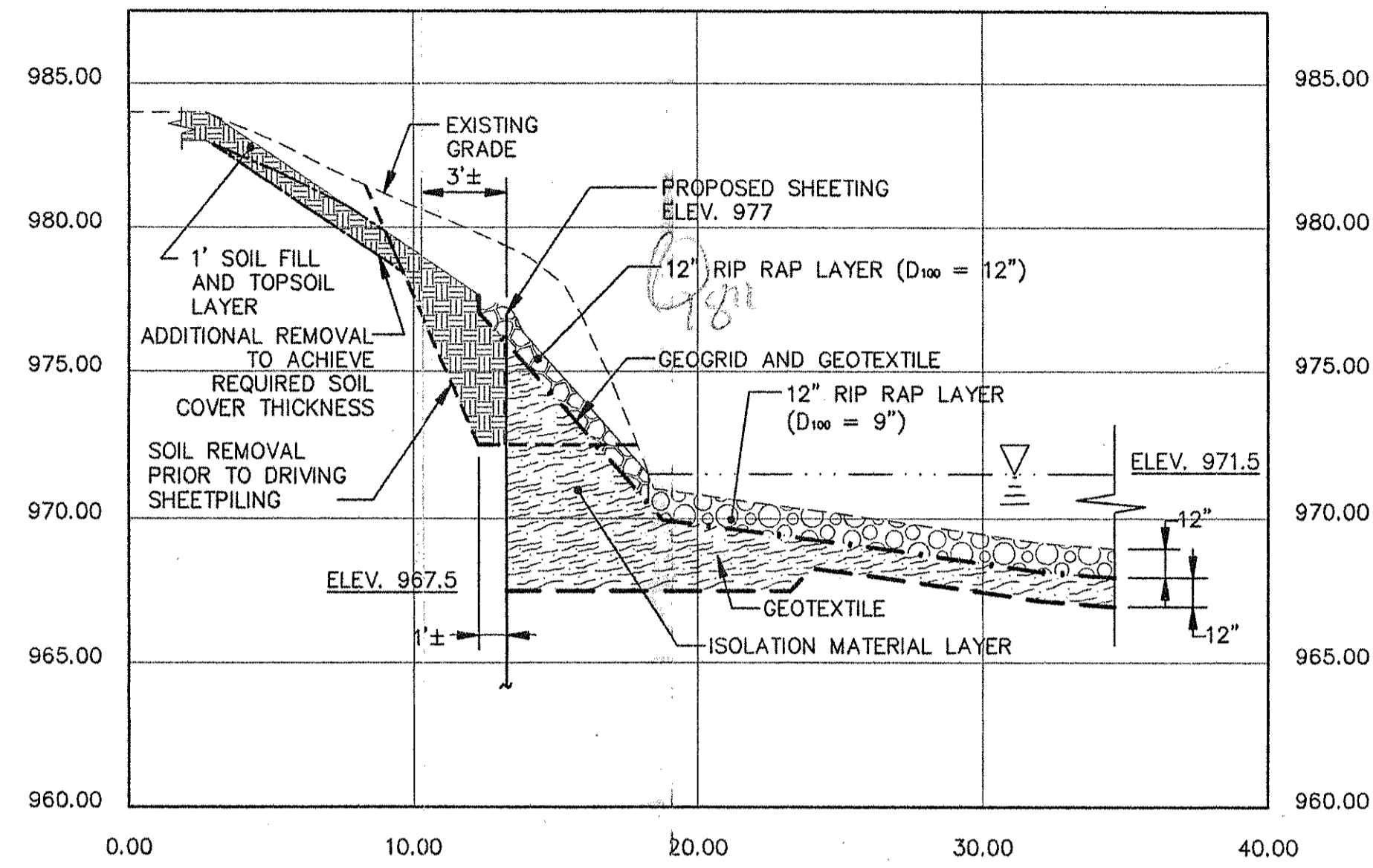
SECTION V-V'

SCALE: HORIZ. 1"=5'
VERT. 1"=5'



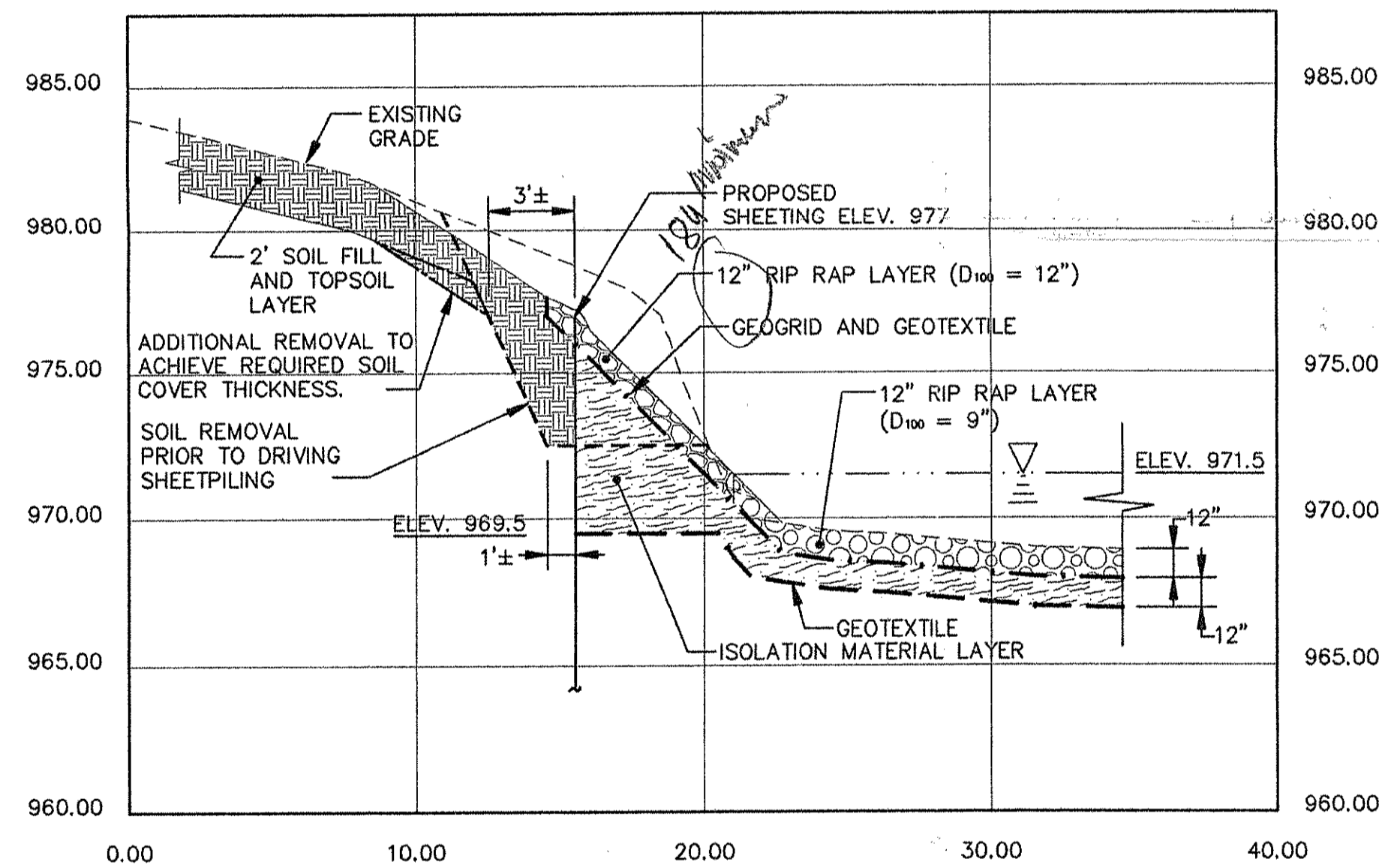
SECTION W-W'

SCALE: HORIZ. 1"=5'
VERT. 1"=5'



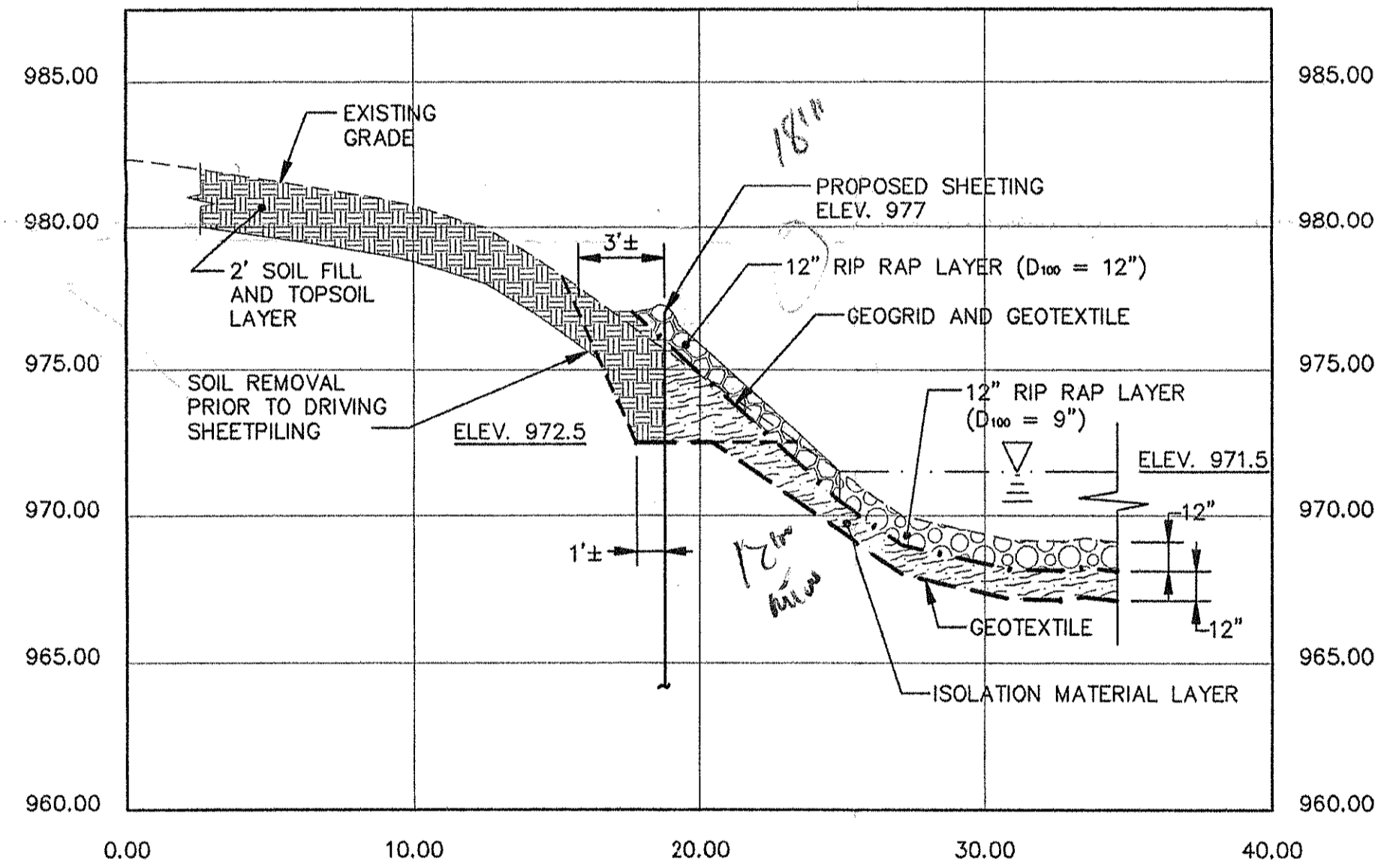
SECTION X-X'

SCALE: HORIZ. 1"=5'
VERT. 1"=5'



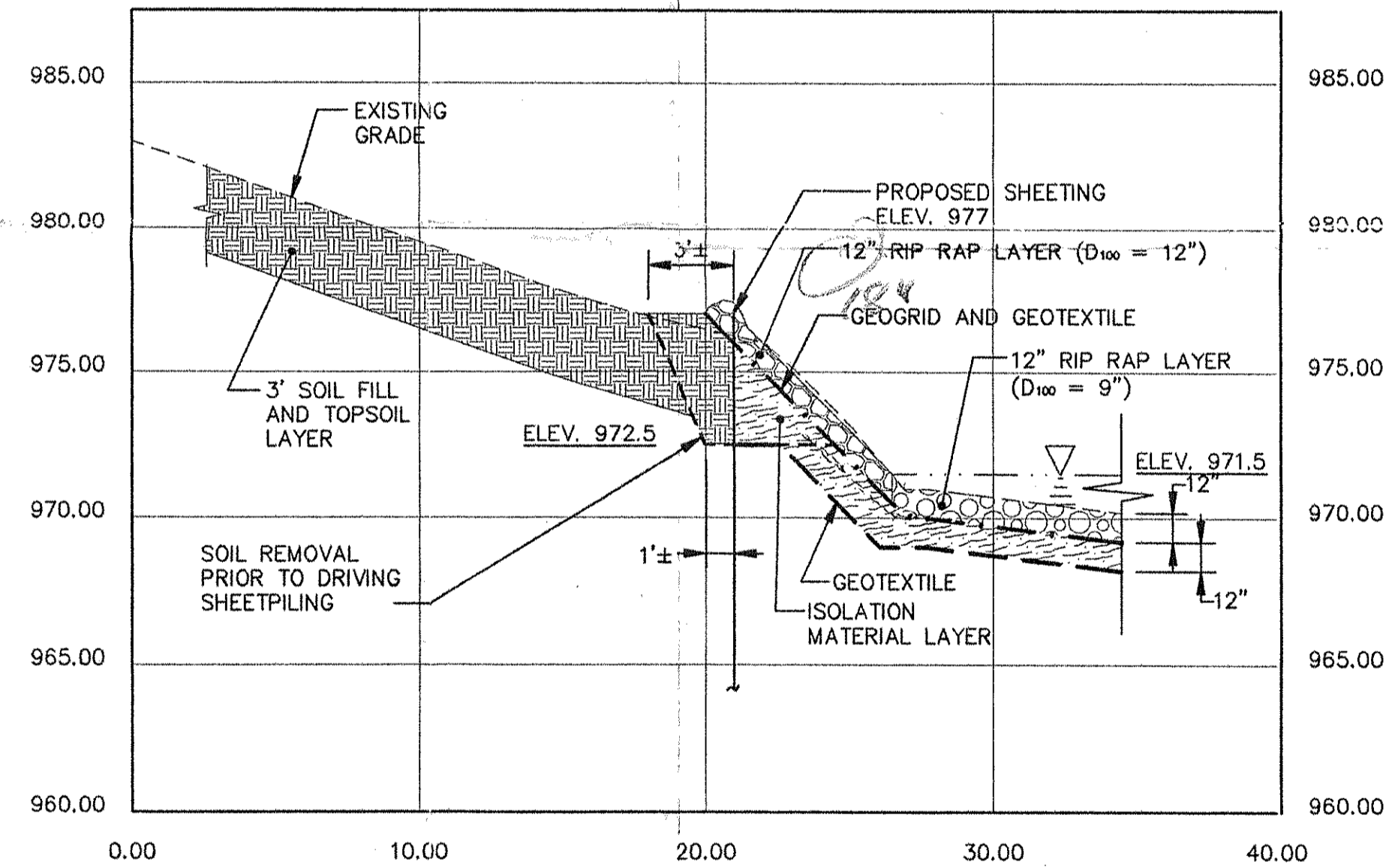
SECTION Y-Y'

SCALE: HORIZ. 1"=5'
VERT. 1"=5'



SECTION Z-Z'

SCALE: HORIZ. 1"=5'
VERT. 1"=5'



SECTION AA-AA'

SCALE: HORIZ. 1"=5'
VERT. 1"=5'

DRAFT

NOTE:

1. THE LOCATION OF THE SHEETPILE SHOWN IS APPROXIMATE AND WILL BE FIELD ADJUSTED BASED ON TOPOGRAPHIC CONDITIONS TO CREATE AN APPROXIMATE SLOPE OF 1H:1V FOR THE RESTORED BANK FROM THE RIVER'S EDGE TO THE TOP OF SHEETING.

No.	Date	Revisions
1	11/4/99	ADDENDUM No. 1 - SECTIONS V-V' THROUGH AA-AA'

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
REMOVAL ACTION WORK PLAN -
UPPER 1/2-MILE REACH OF HOUSATONIC RIVER

CROSS-SECTIONS



BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
7-1D