

**STABILIZATION SPECIFICATIONS**  
**PERMANENT SEEDING NOTES**

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:  
**SEEDING PREPARATION:** LOOSEN UPPER 3 INCHES OF SOIL BY RAKING, WINCHING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.  
**SOIL AMENDMENTS:** APPLY 2 TONS PER ACRE POLYETHYLENE LIMESTONE (90 LBS/1,000 SQ.FT.) AND 500 LBS. PER ACRE 0-20-20 FERTILIZER (14 LBS/1,000 SQ.FT.).  
**SEEDING:** FOR PERIODS MARCH 1 THRU APRIL 30, AND FROM AUGUST 1 THRU OCTOBER 15, SEED WITH 50 LBS. PER ACRE (14 LBS/1,000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.65 LBS/1,000 SQ.FT.) OF WHEATING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) - 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SHOWN AS POSSIBLE IN THE SPRING. OPTION (2) - SEE SOO. OPTION (3) - SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND FOLLOW WITH 2 TONS/ACRE WELL ANCHORED STRAW.  
**MULCHING:** APPLY 11 TO 2 TONS PER ACRE (70 TO 90 LBS/1,000 SQ.FT.) OF SHIPPED SMALL CHAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GALLONS/1,000 SQ.FT.) OF UNPOLYMERIZED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR STEEPER, USE 340 GALLONS PER ACRE (8 GALLONS/1,000 SQ.FT.) FOR ANCHORING.  
**MAINTENANCE:** INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS, AND RESEEDINGS.

**TEMPORARY SEEDING NOTES**

**SEEDING PREPARATION:** LOOSEN UPPER 3 INCHES BY DISKING, RAKING, OR OTHER ACCEPTABLE MEANS.  
**SOIL AMENDMENTS:** APPLY 400 LBS PER ACRE (15 LBS./1,000 SQ.FT.) OF 10-20-10 FERTILIZER.  
**SEEDING:** FOR PERIODS MARCH 1 THRU APRIL 30, AND FROM AUGUST 1 THRU NOVEMBER 15, SEED WITH 21 BUSHELS PER ACRE (3.2 LBS/1,000 SQ.FT.) OF ANNUAL RYE. FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS/ACRE (0.47 LBS/1,000 SQ.FT.) OF WHEATING LOVEGRASS.  
**MULCHING:** APPLY 11 TO 2 TONS PER ACRE (70 TO 90 LBS/1,000 SQ.FT.) OF UNPOLYMERIZED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR STEEPER USE 340 GALLONS PER ACRE (8 GALLONS/1,000 SQ.FT.) FOR ANCHORING.

**SEDIMENT CONTROL NOTES**

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (592-2437)
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- Site Analysis:  
 Total Area of Site: 0.24 Acres  
 Area Disturbed: 0.24 Acres  
 Area to be roofed or paved: 0.06 Acres  
 Area to be vegetatively stabilized: 0.18 Acres  
 Total Cut: 0.18 Cu. Yds  
 Offsite waste/borrow area location: TO BE DETERMINED
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment controls must be provided, if deemed necessary by the Howard County DPM sediment control inspector.
- On all sites with disturbed areas. In excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

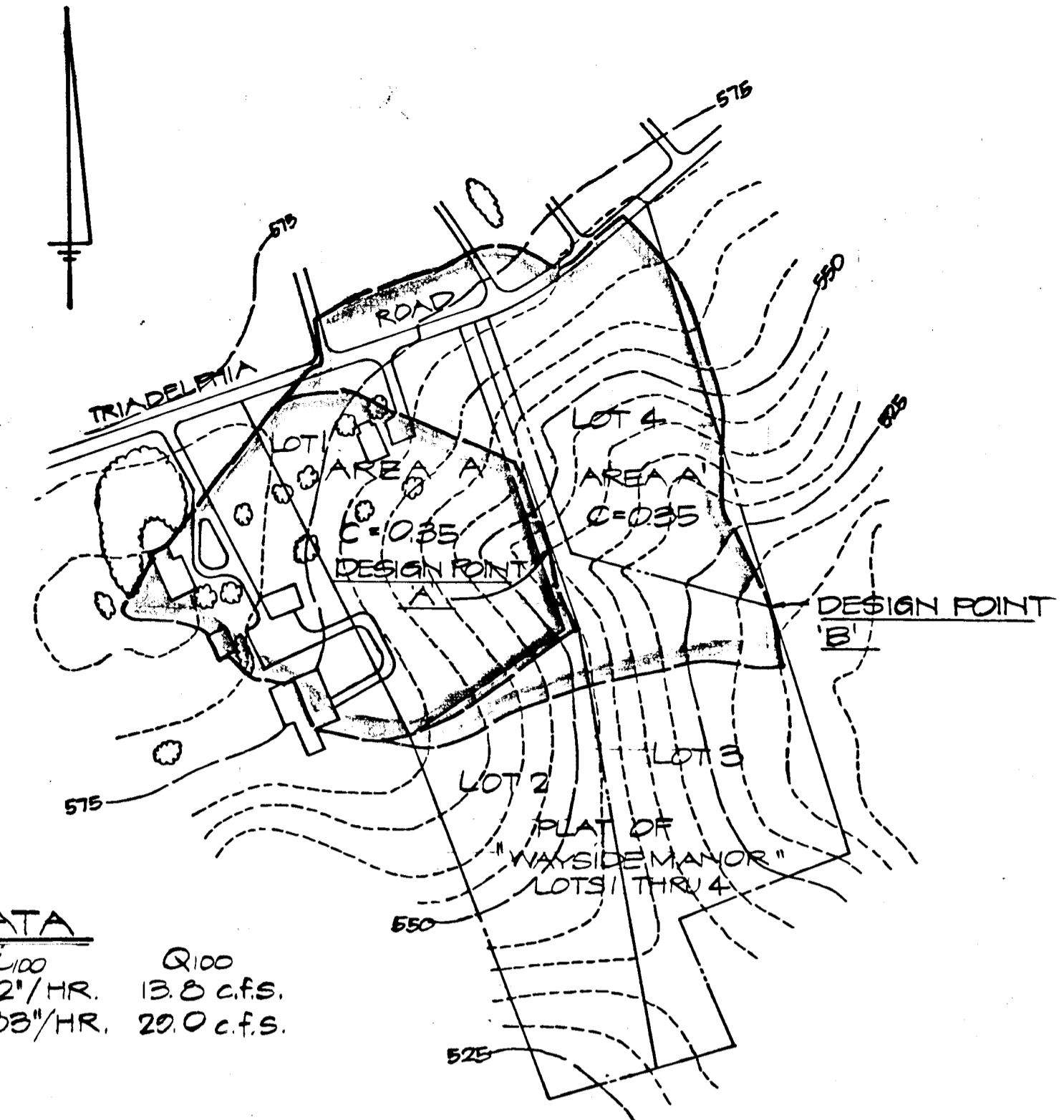
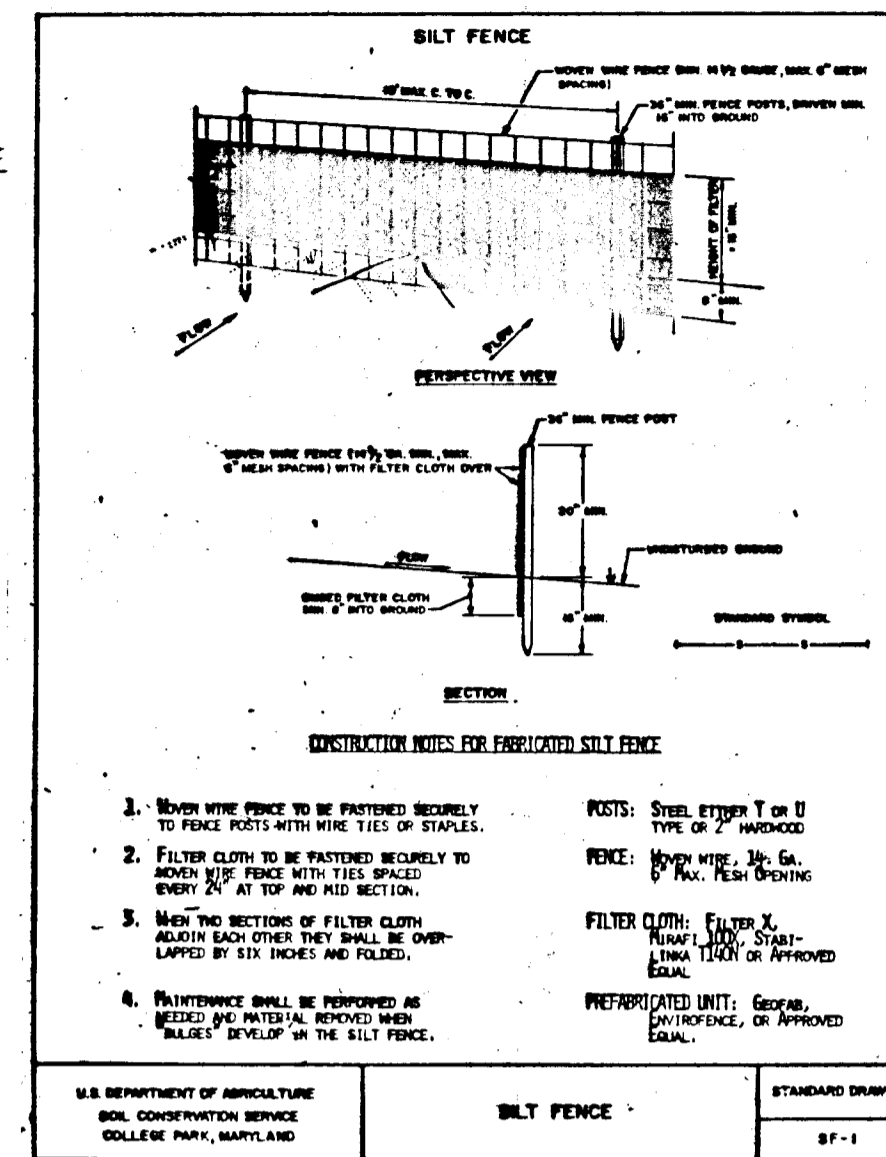
STRUCTURE SCHEDULE					
NO.	TYPE	INV. IN	INV. OUT	TOP EL.	REMARKS
S-1	METAL END SECT.	-	538.20	-	SEE HQ. CO. DESIGN MANUAL VOL. II SD.5.G1
S-2	METAL END SECT.	539.92	-	-	SEE HQ. CO. DESIGN MANUAL VOL. II SD.5.G1

NOTE: ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH HOWARD COUNTY SPECIFICATIONS AND DETAILS.

**SEQUENCE OF CONSTRUCTION**

- OBTAIN THE REQUIRED GRADING PERMIT.
- INSTALL SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH APPROVED PLAN . . . . . 0.5 DAYS
- CLEAR SITE AS NECESSARY AND ROUGH GRADE ROAD . . . . . 1 DAY
- INSTALL STORM DRAIN AND RELATED FACILITIES; FINE GRADE AND SURFACE ROAD . . . . . 8 DAYS
- VEGETATIVELY STABILIZE ALL DISTURBED AREAS . . . . . 2 DAYS
- AFTER APPROVAL FROM THE INSPECTOR, REMOVE ALL SEDIMENT CONTROL MEASURES AND STABILIZE AREAS AS REQUIRED . . . . . 0.5 DAYS

50' DRIVEWAY EASEMENT FOR MARIAN V. ROSEWAG



DESIGN DATA				
AREA	ACRES	C	L100	Q100
A	4.87	0.35	0.12"/HR.	13.8 c.f.s.
A+A	10.6	0.35	7.83"/HR.	29.0 c.f.s.

**DRAINAGE AREA MAP**  
SCALE: 1"=200'

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*Thomas F. Rosewag*  
 CHIEF, BUREAU OF ENGINEERING  
 DATE: 1-12-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

*Robert W. Zickler*  
 CHIEF DIV. OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
 DATE: 1-12-87

"I/We certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project."

*Thomas F. Rosewag*  
 Signature of Developer  
 DATE: 12-23-86

By The Engineer:

"I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

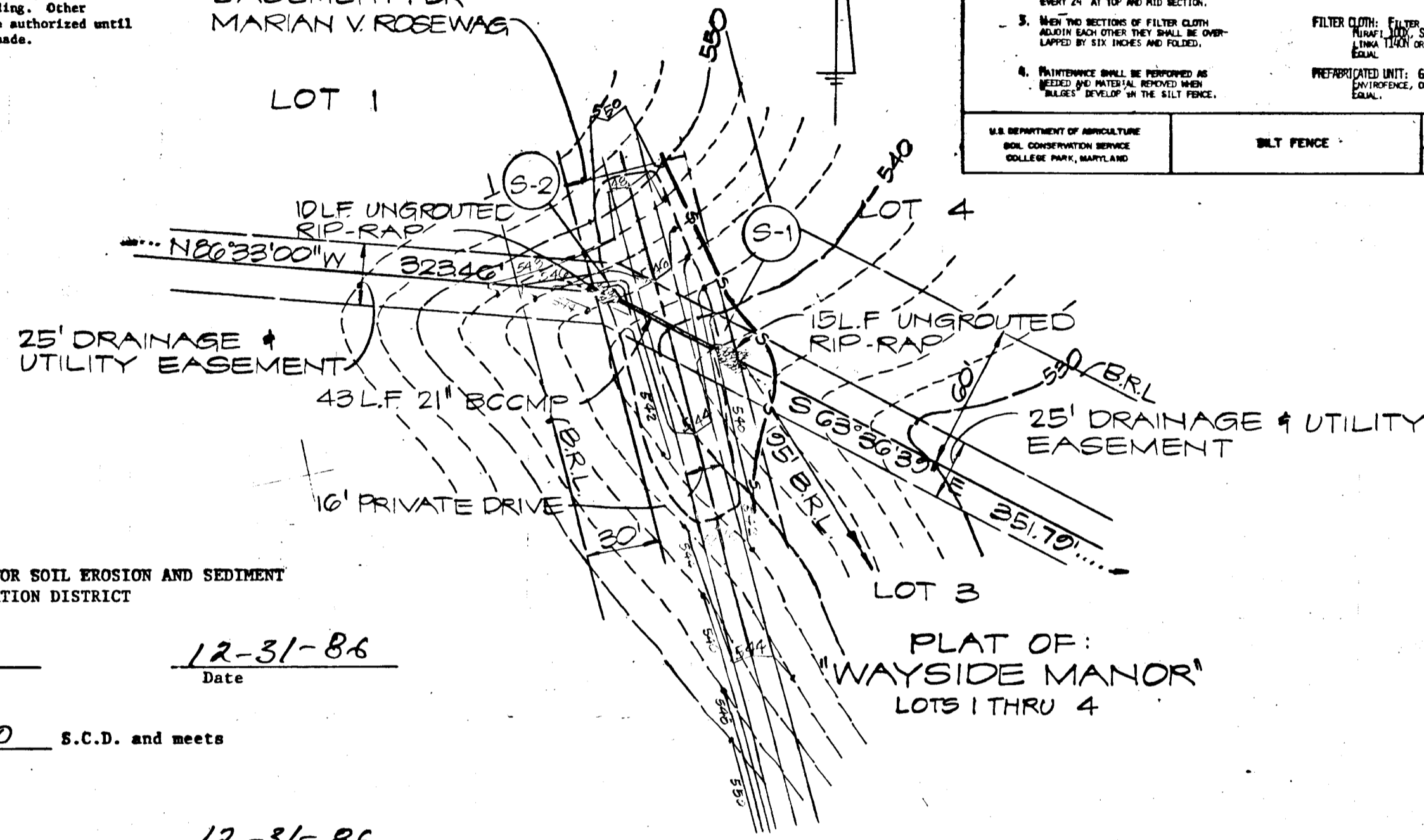
*Robert W. Zickler*  
 Signature of Engineer  
 DATE: 12-23-86

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

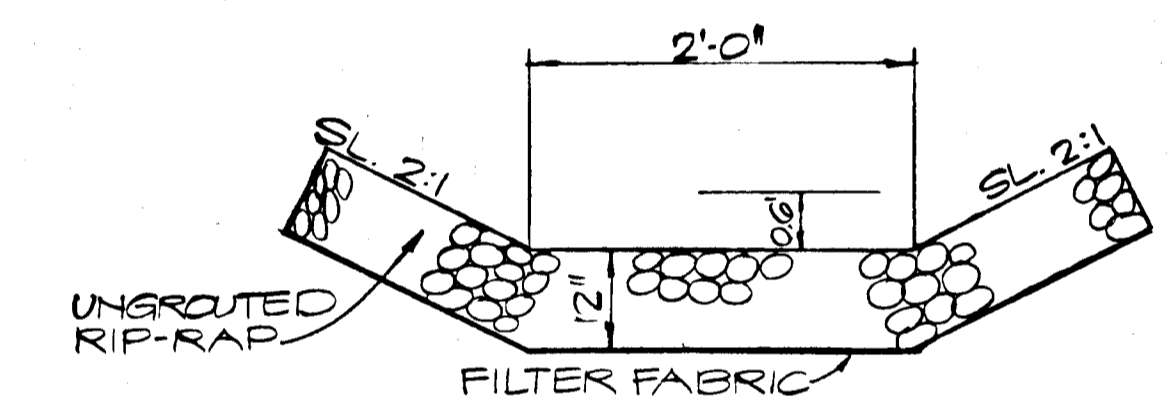
*Robert W. Zickler*  
 Howard S.C.D.  
 DATE: 12-31-86

Reviewed for HOWARD S.C.D. and meets

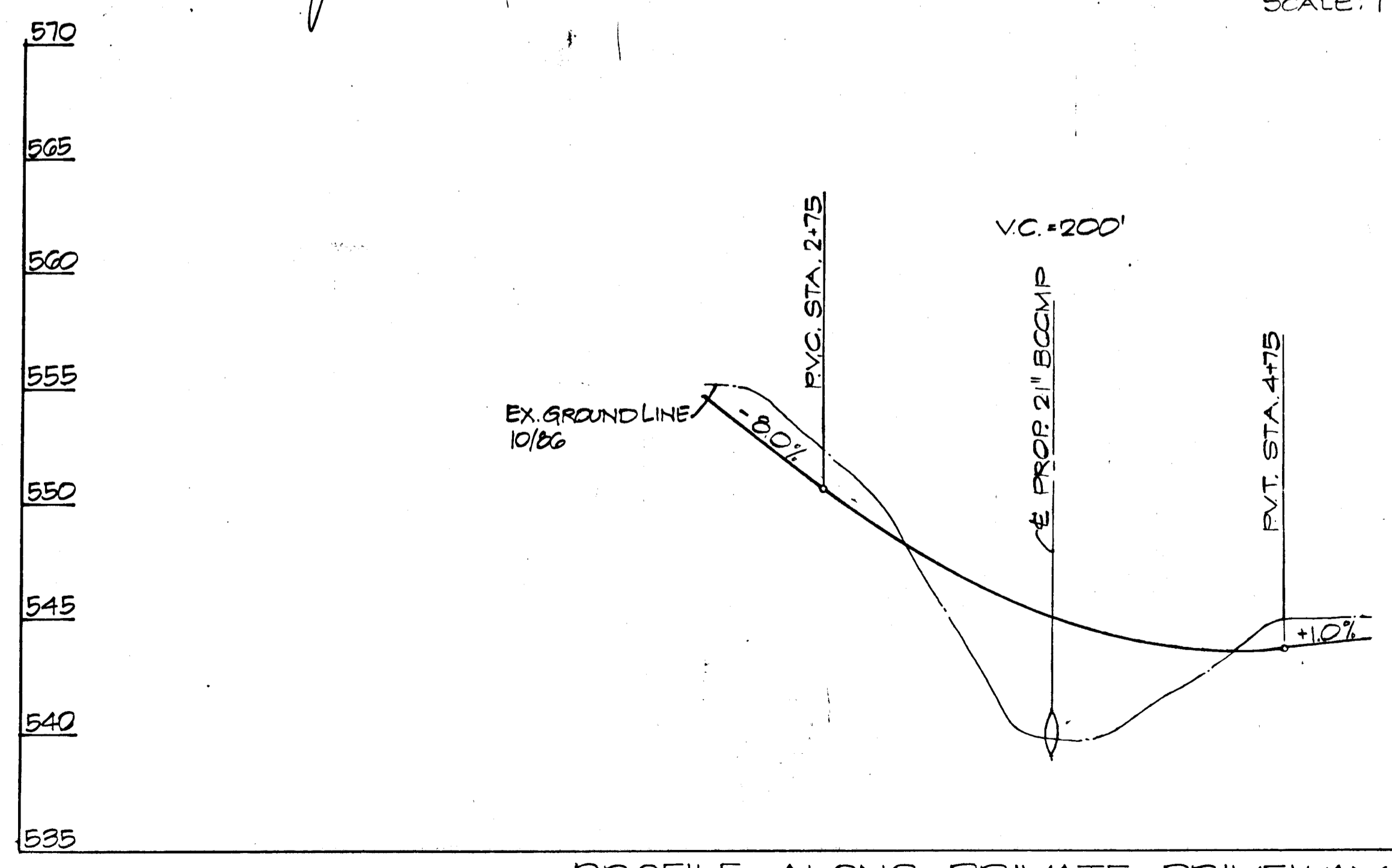
Technical Requirements.  
*James M. Hahn*  
 U.S. Soil Conservation Service  
 DATE: 12-31-86



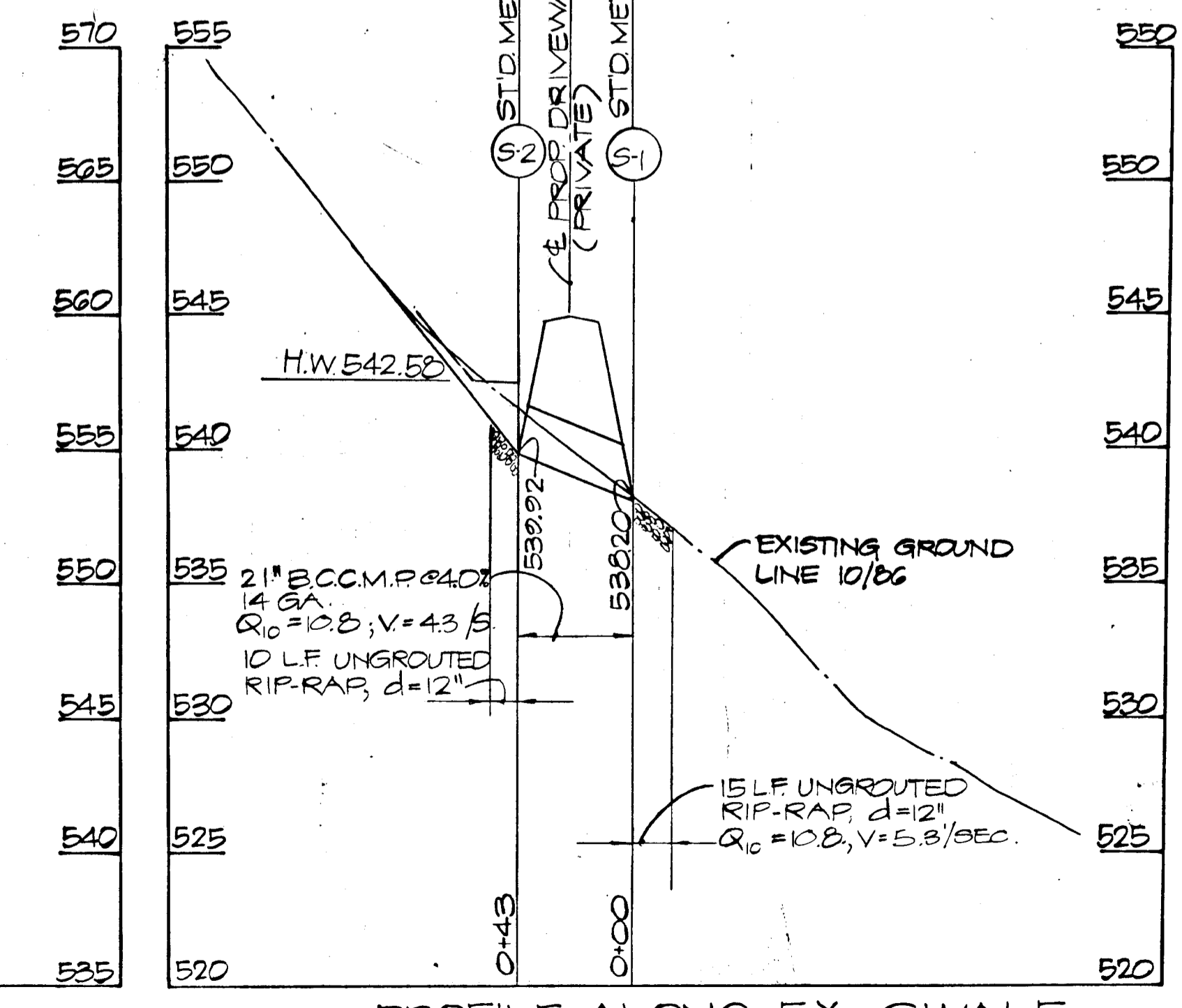
**PLAN**  
SCALE: 1"=50'



**INLET/OUTLET CHANNEL**  
SCALE: 1/2"=10'



**PROFILE ALONG PRIVATE DRIVEWAY**  
SCALE: HORIZ. 1"=50', VERT. 1"=5'



**PROFILE ALONG EX. SWALE**  
SCALE: HORIZ. 1"=50', VERT. 1"=5'

OWNER:  
 THOMAS F. ROSEWAG  
 12755 TRIADELPHIA ROAD  
 ELLICOTT CITY, MD. 21043  
 TELEPHONE (301) 988-9792  
 ENGINEER:  
 HICKS ENGINEERING COMPANY, INC.  
 200 E. JOFFA ROAD, SUITE 402  
 TOWSON, MD. 21284  
 TELEPHONE (301) 494-0001

**CULVERT CROSSING**  
 PRIVATE DRIVEWAY LOTS 2 & 3  
 WAYSIDE MANOR  
 PARCEL 216 TAX MAP 22 ZONED: R  
 3RD DISTRICT HOWARD COUNTY, MD.  
 NOV. 5, 1986 SCALE: AS SHOWN

1247