

VICINITY MAP
SCALE: 1" = 2000'

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BENCH MARKS

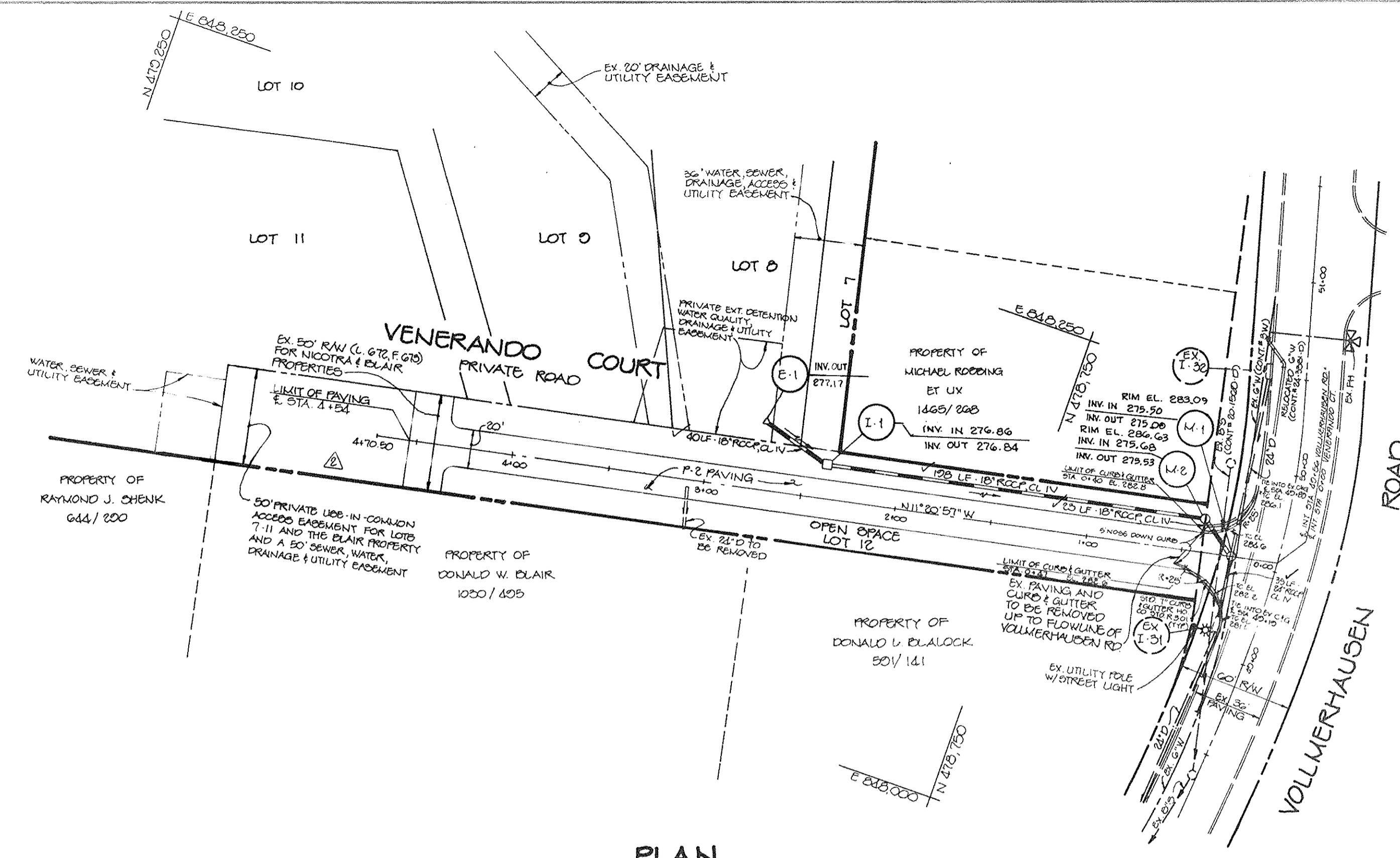
- BM #1
HO CO TOWN # 2042000 ELEV. 201.82' N 4775' 726.5 E 8400' 276.0
0.2 MILES SOUTH OF VOLLMERHAUSEN RD EAST EDGE CONC. WALK
- BM #2
HO CO TOWN # 2042000 ELEV. 200.84' N 47800' 810.0 E 84000' 019.0
INT. SAVAGE-GUILFORD RD & VOLLMERHAUSEN RD

AS-BUILT CERTIFICATION

Christopher J. Reid 1-22-99
CHRISTOPHER J. REID #19945 DATE

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITIES ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1800 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
 - BELL TELEPHONE SYSTEM 393-3649
 - LONG DISTANCE CABLE DIVISION 393-3553 OR 3554
 - BALTIMORE GAS AND ELECTRIC CO. 539-8000
 - HOWARD COUNTY BUREAU OF UTILITIES 313-4900
 - COLONIAL PIPELINE 770-1100
- TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL STREET CURB RETURNS SHALL HAVE 25' RADIUS UNLESS OTHERWISE NOTED.
- STORM DRAIN TRENCHES WITHIN ROAD RIGHT OF WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, L.A. STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, LATEST AMENDMENTS.
- PIPE SHALL NOT BE INSTALLED BY THE CONTRACTOR UNTIL THE LENGTH CALLED FOR AT EACH STATION HAS BEEN APPROVED BY THE ENGINEER IN THE FIELD.
- DESIGNED TRAFFIC SPEED IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIAL STANDARDS:
 - ALL 50' RIGHT OF WAYS 25 M.P.H.
- ALL ELEVATIONS SHOWN ARE BASED ON THE U.S.C. AND G.S. MEAN SEA LEVEL DATUM, 1929.
- ALL FILL AREAS WITHIN ROADWAY AND UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM OF 90% COMPACTION OF AASHTO T 180.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- PROFILES STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- SUBJECT PROPERTY ZONED R-20 PER 10-18-83 COMPREHENSIVE ZONING PLAN.
- NO PIPE SHALL BE LAD UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT WITHIN 6" OF FINISHED GRADE.
- ALL STORM DRAIN PIPE BEDDING SHALL BE CLASS "C" AS SHOWN IN FIG. 11.4, VOLUME 1 OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE NOTED.
- SEE DEPARTMENT OF PLANNING AND ZONING FILE NO. P-20-101, 0-01-10, W-01-20, W-02-04
- SEE DEPARTMENT OF PLANNING AND ZONING FILE NO. P-20-101, 0-01-10, W-01-20, W-02-04
- LIGHT POLES, ARMS AND FIXTURES FOR STREET LIGHTS SHALL BE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL, VOLUME II AND GUIDELINES FOR STREET LIGHTS IN RESIDENTIAL DEVELOPMENTS, JUNE 1995.
- TOPOGRAPHY SHOWN HEREON IS BASED ON LAND DERIVED GROUP, INC. FIELD PLAN TOPOGRAPHY DATED MAY, 1990
- PROPOSED LOTS TO BE SERVED BY PUBLIC WATER & SEWER UNDER CONTRACT NO. 24.0001. DRAINAGE AREA: LITTLE PATUXENT
- PER. IN LIEU OF STORMWATER MANAGEMENT WAS GRANTED ON 10-1-04
- W.P. 01.05 - A WAIVER OF SECTIONS 16.115(F)(1) AND 16.115(G)(4) TO ALLOW DIRECT DRIVEWAY ACCESS ONTO VOLLMERHAUSEN ROAD WAS APPROVED 11-1-00
- W.P. 02.04 - A WAIVER OF SECTIONS 16.115(F)(1) AND 16.115(G)(4) TO ALLOW DIRECT ACCESS ONTO A MAJOR COLLECTOR ROAD FOR 5 LOTS SHARING A USE IN DONALD W. BLAIR PRIVATE ROAD AND SECTION 16.115(G)(5) TO ALLOW A PRIVATE ROAD TO EXCEED 300 FEET IN LENGTH TO APPROXIMATELY 100 FEET WAS APPROVED 12-31-02
- WETLANDS ARE NOT FOUND ON-SITE PER THE NATIONAL WETLANDS INVENTORY MAPS.
- GEOTECHNICAL REPORT PERFORMED BY EARTH LABORATORIES, INC. JANUARY, 1999

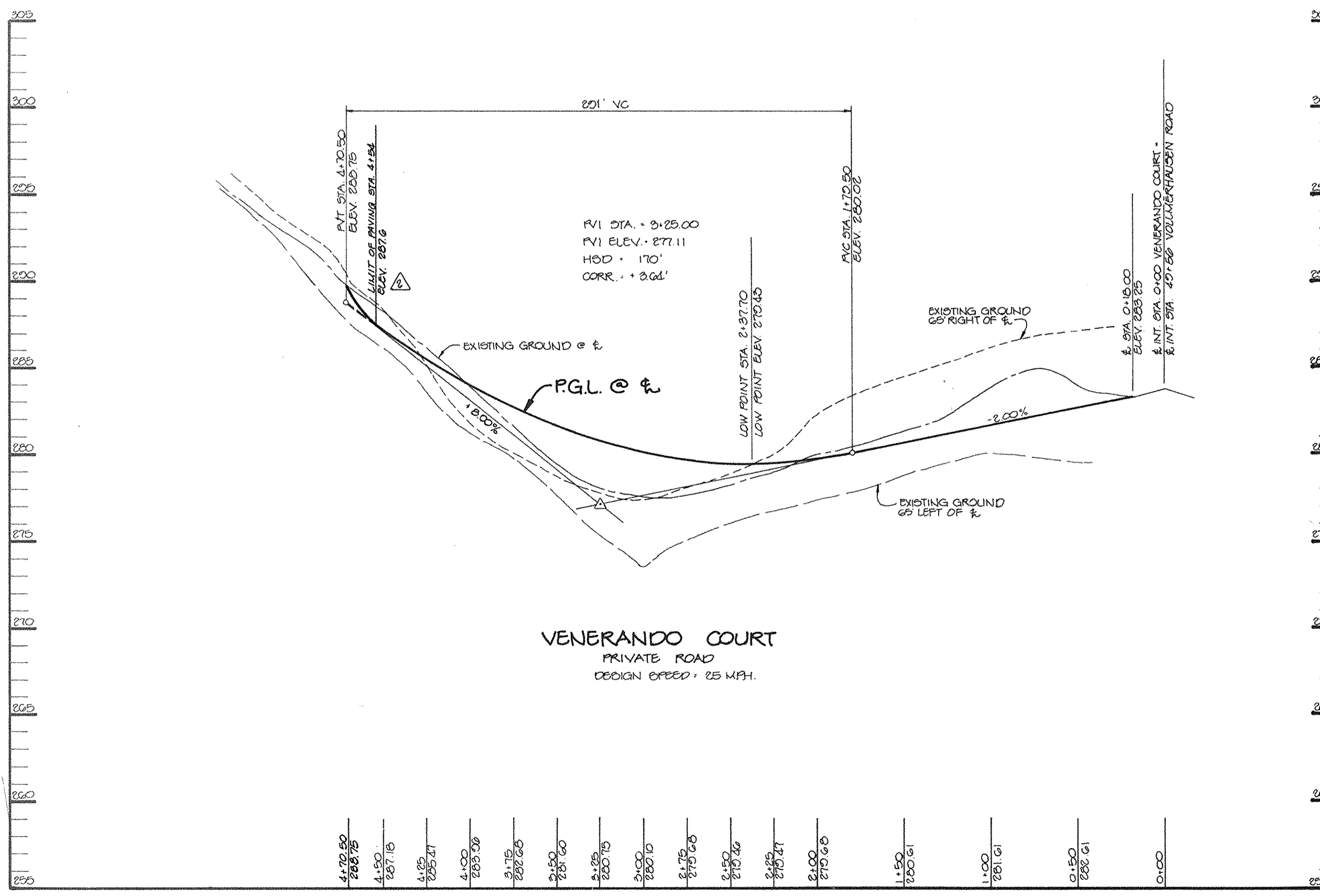


PLAN
SCALE: 1" = 50'

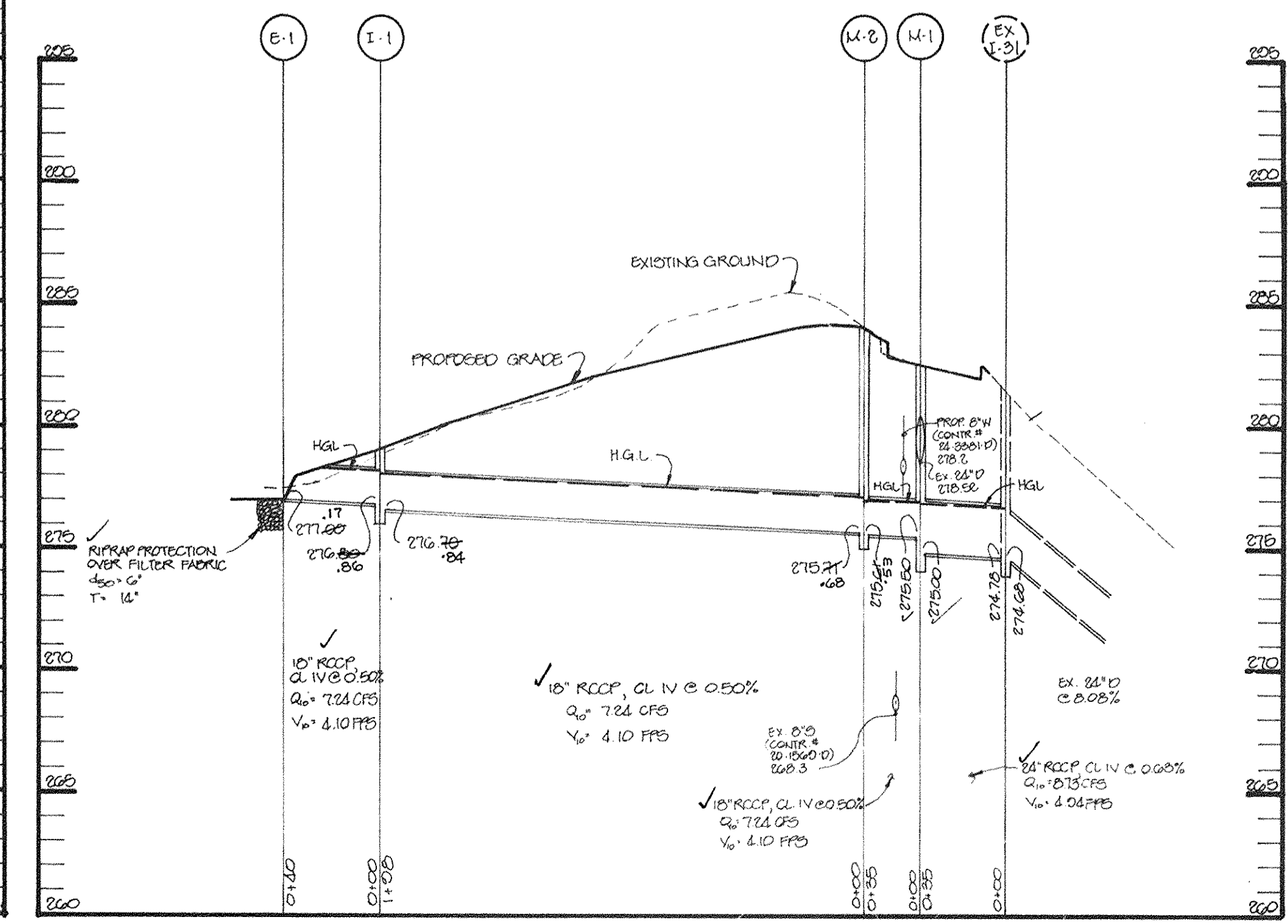
**OPERATION AND MAINTENANCE SCHEDULE
OF HOME OWNERS ASSOCIATION OWNED AND MAINTAINED
STORMWATER MANAGEMENT FACILITY
EXTENDED DETENTION POND**

HOME OWNERS ASSOCIATION'S MAINTENANCE RESPONSIBILITIES:

- Top and side slopes of the embankment shall be mowed a minimum of two (2) times a year, once in June and once in September. Other side slopes, the bottom of the pond, and maintenance access should be mowed as needed.
- Debris and litter next to the outlet structure shall be removed during regular mowing operations and as needed.
- When deemed necessary for aesthetic reasons, sediment should be removed from the pond. Approval of the Department of Public Works is required.



PROFILE
HOR: 1" = 50'
VERT: 1" = 5'



STORM DRAIN PROFILE
HOR: 1" = 50'
SCALE: VERT: 1" = 6'

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Gina Anunnunzio 1/27/95
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH JFA DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

John J. ... 1/24/95
CHIEF, LAND DEVELOPMENT DIVISION DATE

Shirley ... 1/19/95
CHIEF, BUREAU OF HIGHWAYS DATE

Paul ... 1/24/95
CHIEF, BUREAU OF ENGINEERING DATE

0-6-00
REV. PROFILE
REV. LOT LINE BETWEEN LOTS 7 & 8
WAS 30.0 FT. WIDE

DATE NO. REVISION

OWNER/DEVELOPER
ALFIO NICOTRA
3070 SAVAGE - GUILFORD ROAD
JESSUP, MARYLAND 20794

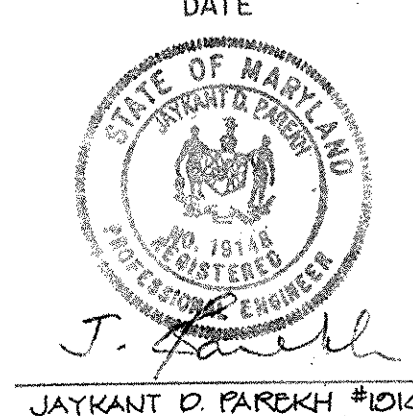
PROJECT: PROPERTY OF ALFIO NICOTRA LOTS 7-12

AREA TAX MAP NO. 47 PARCEL 10
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE: PLAN AND PROFILE OF VENERANDO COURT AND STORM DRAIN PROFILE

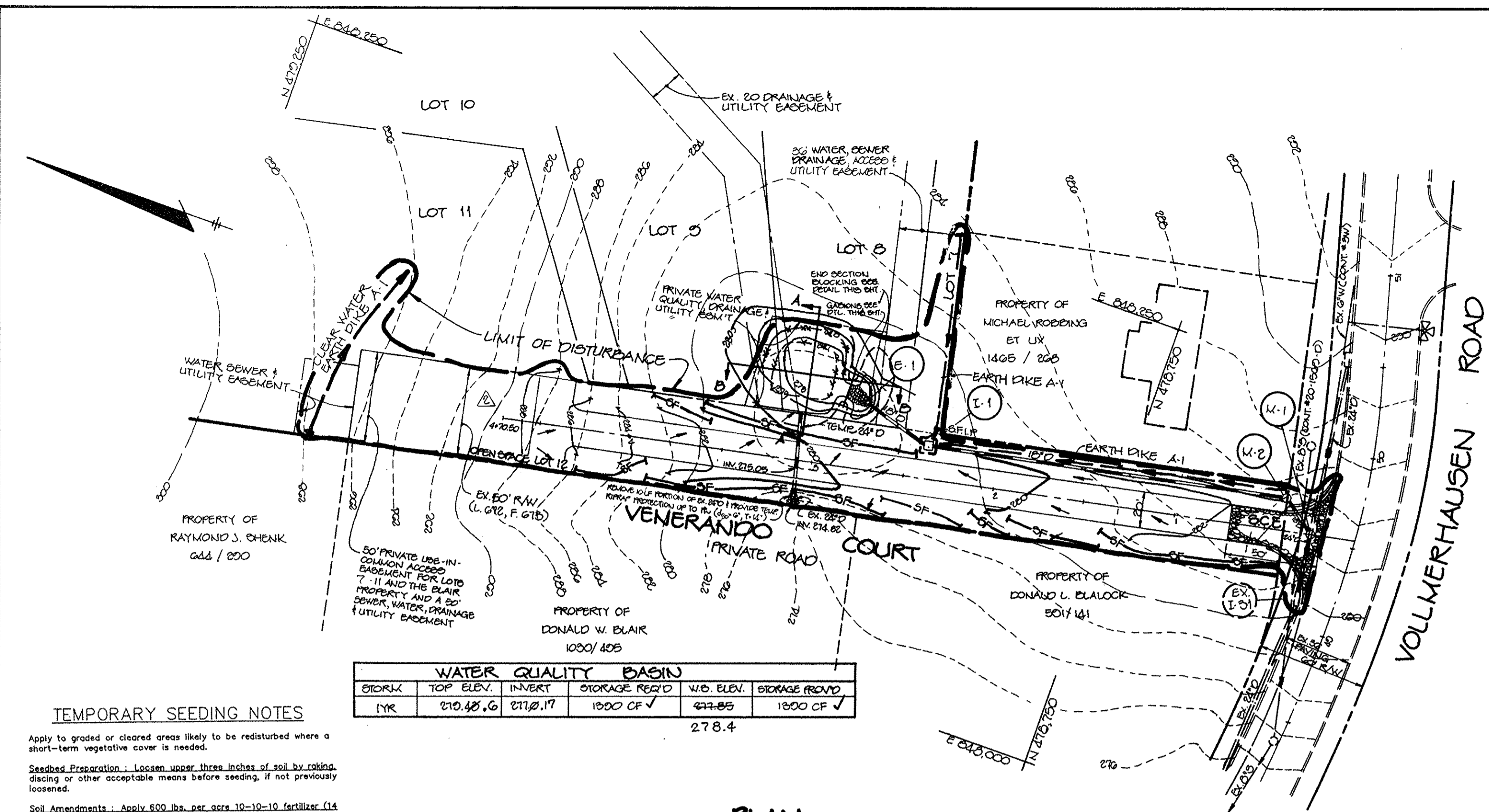
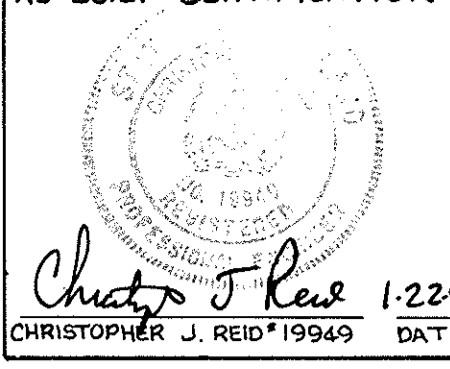
RIEMER MUEGGE & ASSOCIATES, INC.
Planners Engineers Surveyors
8818 Centre Park Drive - Suite 200 - Columbia, Maryland 21045
410-997-8900 FAX: 410-997-9282

12-2-94 DATE
DESIGNED BY: CJR
DRAWN BY: MAD
PROJECT NO: 10000
DATE: DECEMBER 2, 1994
SCALE: AS SHOWN
DRAWING NO. 1 OF 2



JAYKANT D. PAREKH #10143

1724



WATER QUALITY BASIN table with columns: CIRCUM, TOP ELEV., INLET, STORAGE REQ'D, W.D. ELEV., STORAGE REQ'D. Values: 17K, 210.45, 211.17, 1800 CF, 278.85, 1800 CF.

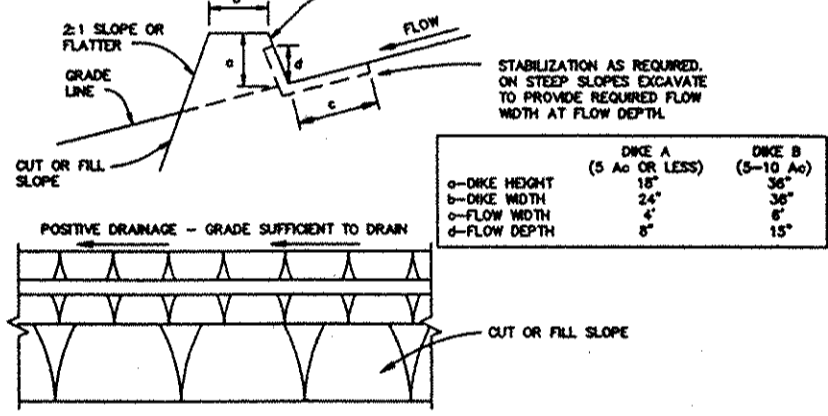
TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed. Seeding Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding...

PLAN SCALE: 1"=60'

SEDIMENT CONTROL NOTES

- 1. A minimum of 48 hours notice must be given to the Howard County Dept. of Inspections and Permits prior to the start of any construction... 2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL AND REVISIONS HEREIN...

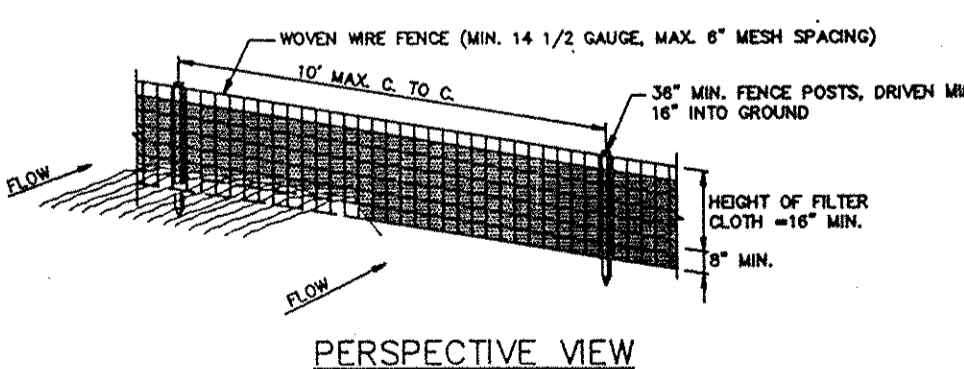


CONSTRUCTION SPECIFICATIONS

- 1. ALL DICES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT. 2. ALL DICES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET. 3. TOP SURF SHALL BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE DRAINAGE BY CONSTRUCTION TRAFFIC...

PERMANENT SEEDING NOTES

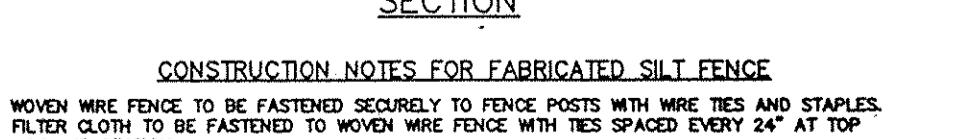
Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed. Seeding Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding...



SECTION

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE: 1. WOVEN WIRE FENCE TO BE FASTENED TO WOODEN POSTS WITH WIRE TIES AND STAPLES. 2. FILTER CLOTH TO BE FASTENED TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION...

SILT FENCE DETAIL

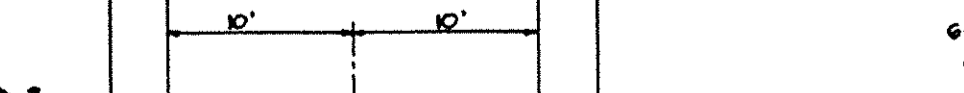


POSTS: STEEL, EITHER T OR U TYPE OR 2" HORIZONTAL FENCE: WOVEN WIRE, 14 GA. 6" MAX. MESH OPENING. FILTER CLOTH: FILTER X, MINIMUM 1000% STABILIZED TRASH OR APPROVED EQUAL...

STRUCTURE SCHEDULE

Table with columns: NO., TYPE, LOCATION, INV. IN., INV. OUT., TOP ELEV., REMARKS. Includes entries for inlets and manholes.

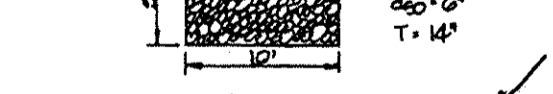
TYPICAL PAVING SECTION



EARTH DIKE



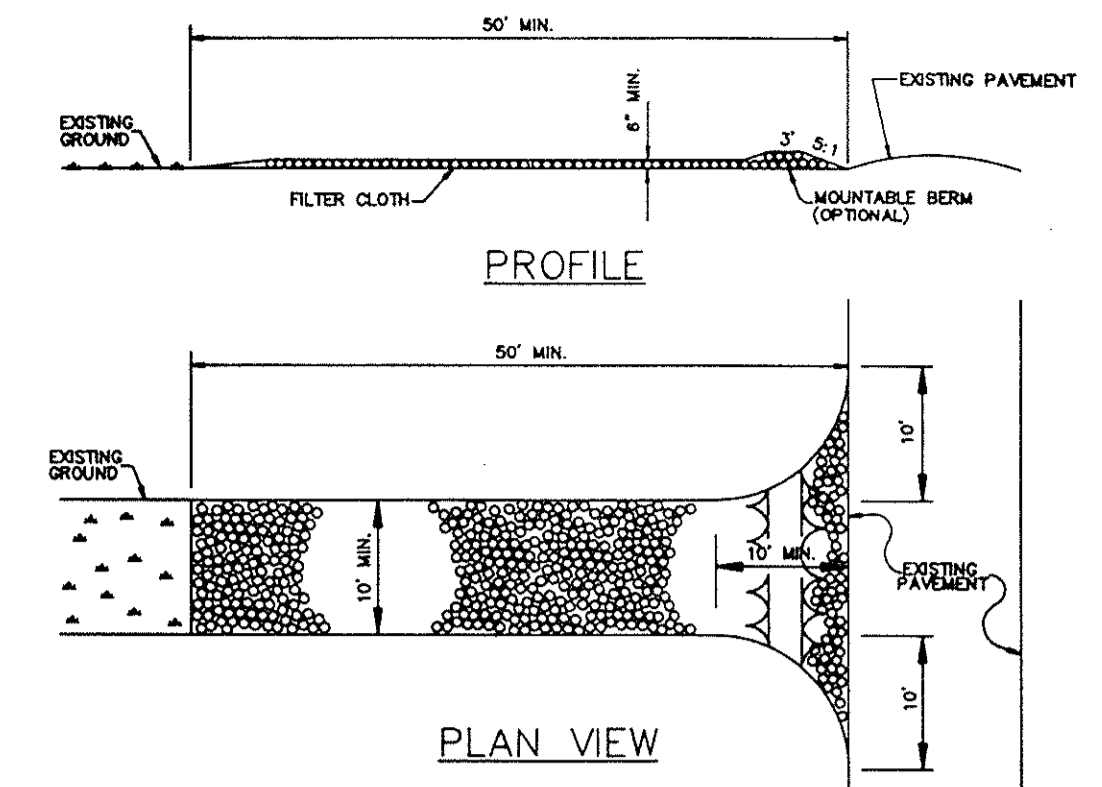
FOREBAY OUTFALL



FOREBAY DETAIL



NOTE: FOR OUTFALL RIPRAP SEE THIS SHEET



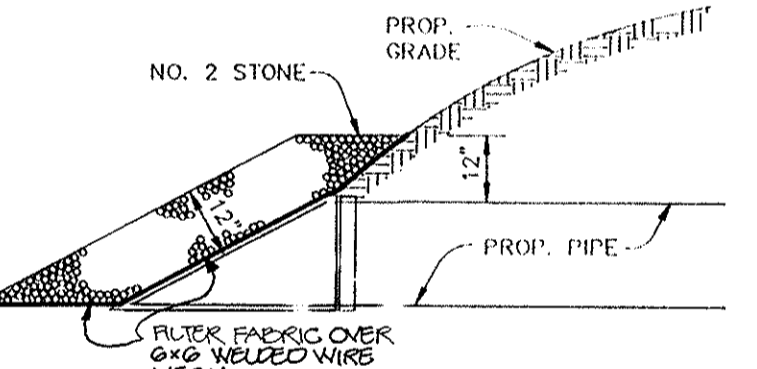
CONSTRUCTION SPECIFICATIONS

- 1. STONE SIZE - USE 2" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT. 2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM WOULD APPLY).

STABILIZED CONSTRUCTION ENTRANCE NO SCALE

Sequence of Construction

- 1. Obtain a grading permit. 2. Install SCE, silt fence, earth dike and extend existing 24" pipe to limit of grading to convey clear water through work zone...

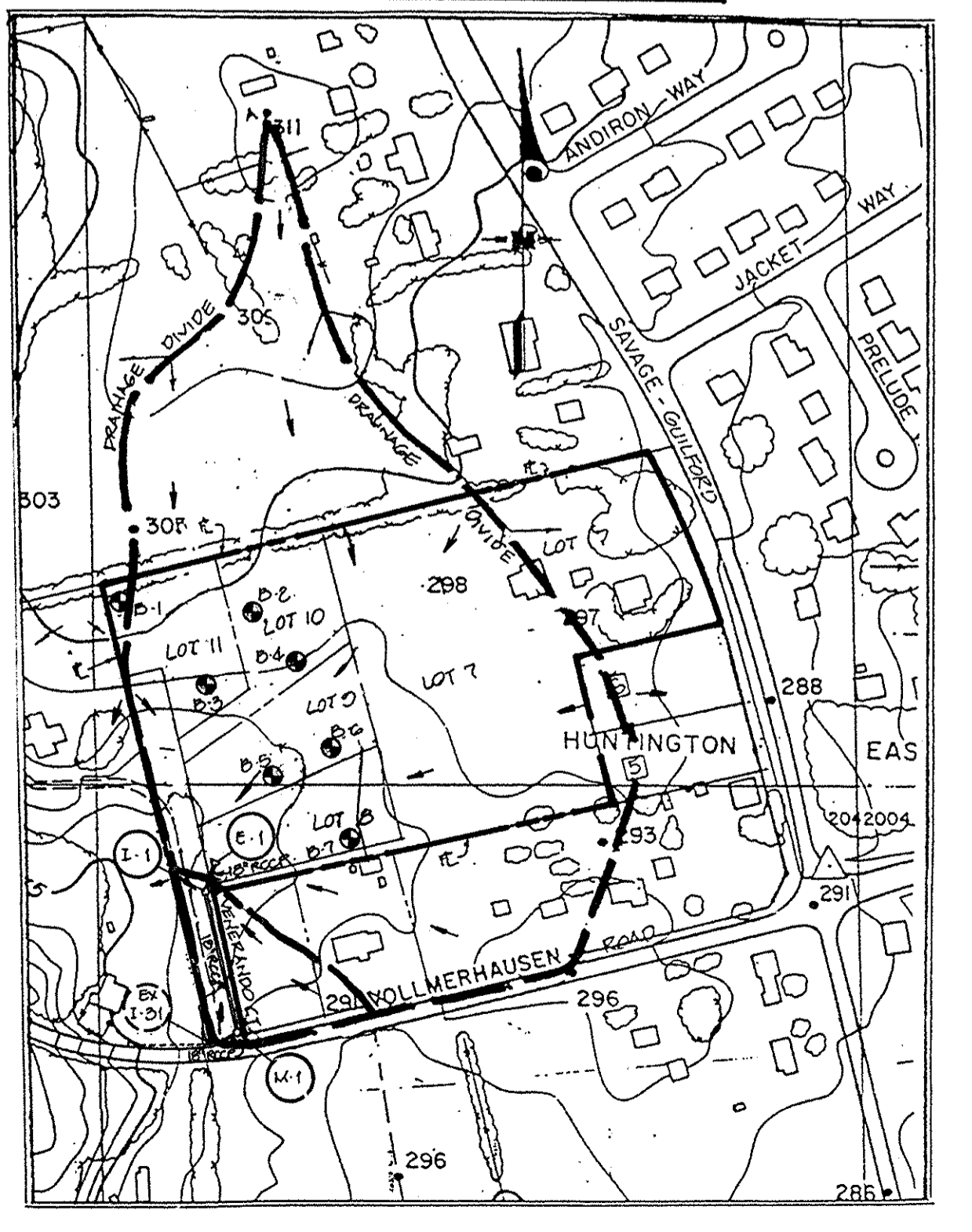
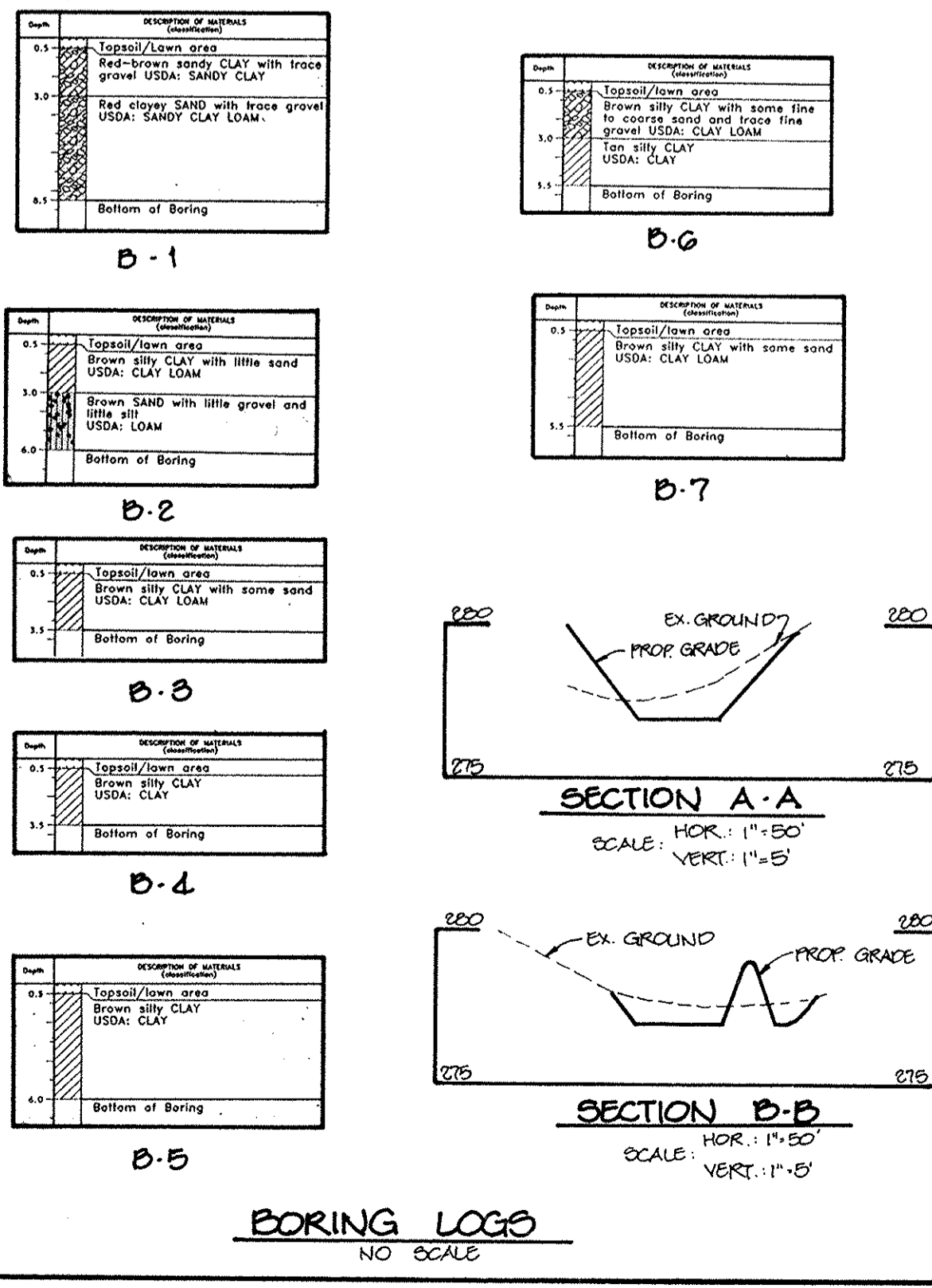


STONE FILTER INLET PROTECTION NO SCALE

DRAINAGE DATA

Table with columns: NO., AREA, C, % IMP, ZONING. Includes data for E-1 and E-11.

END SECTION BLOCKING DETAIL FOR E-1 NO SCALE



DRAINAGE AREA MAP SCALE: 1"=200'

BY THE DEVELOPER: 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 THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT...

DEVELOPER: [Signature] DATE: 12/2/94

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.

ENGINEER: [Signature] DATE: 12-2-94

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

[Signature] U.S. SOIL CONSERVATION SERVICE DATE: 1/1/95

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

[Signature] HOWARD SOIL CONSERVATION DISTRICT DATE: 1/1/95

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

[Signature] CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE: 1/27/95

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

[Signature] CHIEF, LAND DEVELOPMENT DIVISION DATE: 1/24/95

[Signature] CHIEF, BUREAU OF HIGHWAYS DATE: 1/19/95

[Signature] CHIEF, BUREAU OF ENGINEERING DATE: 1/24/95

DATE: [] REVISION: []

OWNER/DEVELOPER: ALFIO NICOTRA, 5070 CAVAGE GUILFORD ROAD, JESSEUP, MARYLAND 20706

PROJECT: PROPERTY OF ALFIO NICOTRA, LOTS 7-12

AREA: TAX MAP NO. 47, PARCEL 10, 6TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE: GRADING & SEDIMENT CONTROL PLAN, DRAINAGE AREA MAP & DETAIL SHEET

RIEMER MUEGGE & ASSOCIATES, INC. Planners Engineers Surveyors, 8818 Centre Park Drive - Suite 200 - Columbia, Maryland 21045, 410-997-8900, FAX: 410-997-9282

DATE: 12-2-94

DESIGNED BY: CJR, DRAWN BY: WAD

PROJECT NO: 103200, DATE: DECEMBER 2, 1994, SCALE: AS SHOWN

DRAWING NO. 2 OF 2

