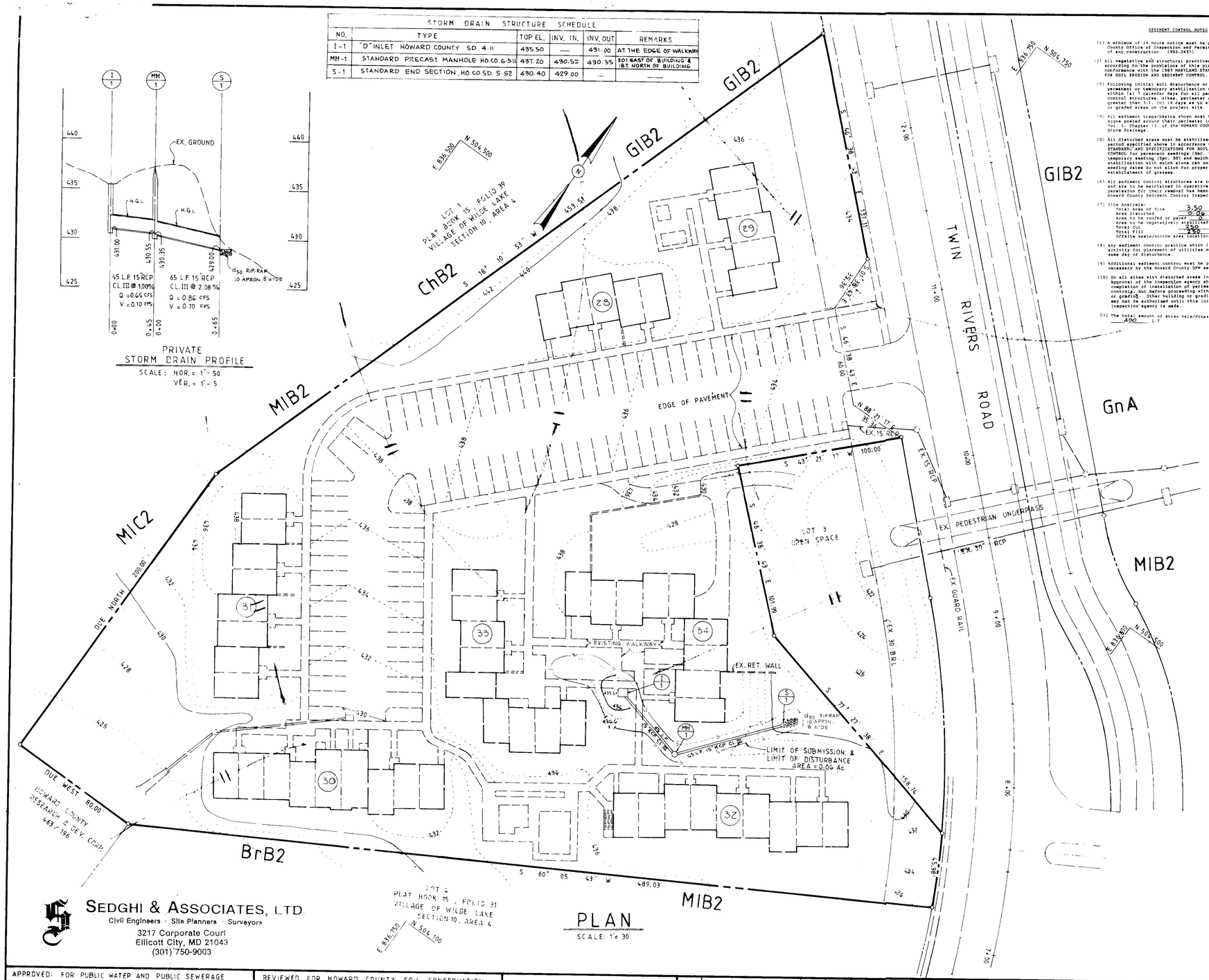
STORM DRAIN STRUCTURE SCHEDULE					
NO.	TYPE	TOP EL.	INV. IN.	INV. OUT	REMARKS
I-1	"D" INLET HOWARD COUNTY SD 4.11	435.50	—	431.00	AT THE EDGE OF WALKWAY
MH-1	STANDARD PRECAST MANHOLE HO.CO G-511	437.20	430.55	430.35	201 EAST OF BUILDING & 181 NORTH OF BUILDING
S-1	STANDARD END SECTION HO.CO SD. S-52	430.40	429.00	—	—

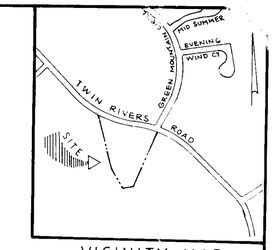
PRIVATE STORM DRAIN PROFILE

SCALE: HOR. = 1" = 50
VER. = 1" = 5



PLAN

SCALE: 1" = 30



VICINITY MAP

SCALE: 1" = 600

SEDIMENT CONTROL NOTES

(1) 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. (992-2437)

(2) All vegetative and structural practices are to be installed according to the guidelines of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

(3) Following initial soil disturbance or redisturbance, 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.

(4) 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.

(5) 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.

(6) 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.

(7) Site Analysis:

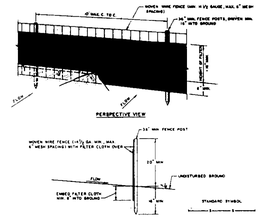
Total Area of Site	3.50	Acres
Area Disturbed	0.06	Acres
Area to be roofed or paved	0	Acres
Area to be vegetatively stabilized	0.06	Acres
Total Cut	250	Cu. Yds
Total Fill	250	Cu. Yds
Offsite waste/borrow area location	N/A	

(8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.

(9) Additional sediment control must be provided if deemed necessary by the Howard County DPW sediment control inspector.

(10) On all sites with disturbed areas in excess of 7 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.

(11) The total amount of straw bale/dikes silt fence equals 400 L.F.



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WIRE TWO SECTIONS OF FILTER CLOTH TOGETHER EACH OTHER THAT SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGE" DEVELOP IN THE SILT FENCE.

POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD.

FENCE: WOVEN WIRE, 36" Ga. 6" MAX. MESH SPACING.

FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL.

PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

1) Preferred -- Apply 2 tons per acres dolomitic limestone (92 lbs/1000 square ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Harrow or disk into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq. ft.)
2) Acceptable -- Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 100 lbs per acre 10-10-10 fertilizer (2) lbs/5000 sq. ft) before seeding. Harrow of disk into upper three inches of soil.

Seeding -- For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period may 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping 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 soon as possible in the spring. Option (2) Sod sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching -- Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

Maintenance -- Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

Seedbed preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

Soil Amendments: -- Apply 60 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft).

Seeding: - For periods March 1 thru April 30 and from August 15 thru October 15, seed with 2-1/2 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period may 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching: -- Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

GENERAL NOTES

(1) Refer to "1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control for standard details and detailed specifications of each practice specified herein.

(2) With the approval of the sediment control inspector, minor field adjustments can and will be made to insure the control of any sediment. Changes in sediment control practices require prior approval of the sediment control inspector and the County Soil Conservation District.

(3) At the end of each working day, all sediment control practices will be inspected and left in operational condition.

(4) Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within: (a) seven calendar days as to the surface of all perimeter controls, dikes, water, ditches, perimeter slopes, and all slopes greater than 3 horizontal to 1 vertical (3 : 1) and (b) fourteen days as to all other disturbed or graded areas on the project site.

(5) Any change to the grading proposed on this plan requires re-submission to County Soil Conservation District for approval.

(6) Dust control will be provided for all disturbed areas. Refer to 1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control, pp 02.01 and 02.02 for acceptable methods and specifications for dust control.

(7) Any variation from the sequence of operations stated on this plan requires the approval of the sediment control inspector and the County Soil Conservation District prior to the initiation of the change.

(8) Excess cut or borrow material shall go to or come from respectively, a site with an approved sediment control plan.

The following item may be used as applicable:

(9) Refer to "Maryland's Guidelines to Waterway Construction" by the Water Resources Administration (WRA), dated January, 1985 for standard details and detailed specifications of each practice specified herein for waterway construction.

SEDIMENT & EROSION CONTROL LEGEND

SOIL LINE

DRAINAGE AREA

—S—S— SILT FENCE

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.
2. NOTIFY HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS AT 992-2437 A MINIMUM OF 24 HOURS PRIOR TO THE START OF ANY WORK.
3. INSTALL SILT FENCES.
4. CUT THE TRENCH TO A MAX OF THREE TIMES PIPE DIAMETER.
5. EXCAVATED TRENCH MATERIAL TO BE PLACED ON THE UPHILL SIDE OF TRENCH.
6. CONSTRUCT STORMDRAIN INLET & MANHOLE
7. SEED AND MULCH ALL DISTURBED AREAS.
8. WITH THE PERMISSION OF SEDIMENT CONTROL INSPECTOR REMOVE ALL SEDIMENT CONTROL MEASURES.

HOWARD COUNTY SOIL MAP #24

SEDGHI & ASSOCIATES, LTD.
Civil Engineers · Site Planners · Surveyors
3217 Corporate Court
Ellicott City, MD 21043
(301) 750-9003

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER — DATE 11-12-90

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

DIRECTOR — DATE 11.21.90

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT — DATE 11/16/90

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR — DATE 11/1/90

CHIEF, BUREAU OF ENGINEERING — DATE 11-1-90

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE — DATE 10/24/90

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

HOWARD COUNTY SOIL CONSERVATION DISTRICT — DATE 10/24/90

5-28-90

NO	REVISIONS	DATE	BY

ENGINEER'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENT 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 SOILS CONSERVATION DISTRICT.

SIGNATURE OF ENGINEER — DATE 9/7/90

DEVELOPER'S CERTIFICATE

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTOR BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.

SIGNATURE OF DEVELOPER — DATE 9/11/90

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
2	TWIN RIVERS ROAD

SUBDIVISION NAME: VILLAGE OF WILDE LAKE — SECTION: 10 — AREA: 4 — PARCEL: 272

PLAT NO.: 15 — BLOCK NO.: 30 — ZONE: N.T. — TAX MAP: 30 — ELEC. DIST.: 5TH — CENSUS TR.: 6052.01

FOLIO: 87 — 19

WATER CODE: N/A — SEWER CODE: N/A

DESIGNED BY: V.S.
DRAWN BY: V.S.
CHECKED BY: M.S.

SITE DEVELOPMENT PLAN FOR PRIVATE STORMDRAIN
VILLAGE OF WILDE LAKE
LOT - 2
SECTION 10, AREA 4
TAX MAP 30, PARCEL 272
5 TH ELECTION DISTRICT
HOWARD COUNTY, MD.

SCALE: 1" = 30

DRAWING NO.: 1 OF 1

DATE: 07.18.90

OWNER / DEVELOPER
COLUMBIA HOUSING CORPORATION
P.O. BOX 842
COLUMBIA, MD. 21044

SDP-91-11