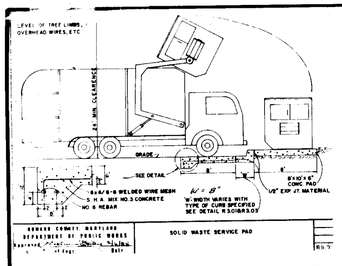
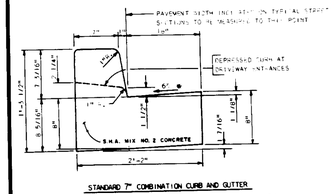
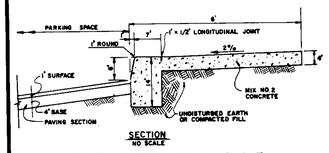




STANDARD 7" COMBINATION CURB AND GUTTER

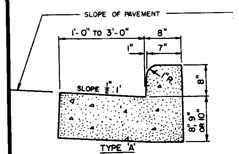
HOWARD CO. STD. DETAIL R-3.01



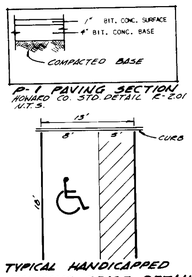
HOWARD CO. STD. DETAIL R-3.07

HANDICAPPED PARKING SIGN

HOWARD CO. STD. R7-8
MD. REG. NO. CO. DIST. 38-84
N.T.S.

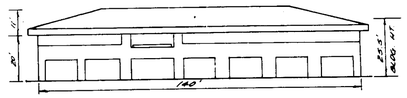


MD. S.H.A. CURB & GUTTER DETAIL STD. NO MD-620.02

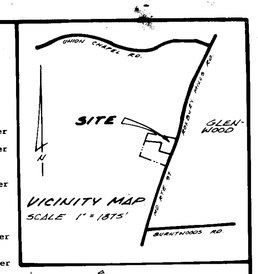


PAVING SECTION
HOWARD CO. STD. DETAIL R-2.01
N.T.S.

TYPICAL HANDICAPPED PARKING SPACE DETAIL
N.T.S.



SCHEMATIC ELEVATION: PROP. OFFICE AND RETAIL BUILDING (N.T.S.)



VICINITY MAP
SCALE 1" = 1875'

KEY	QTY	PLANT LIST	SIZE	COND
SG	4	Liquidambar styraciflua Sweetgum	2½"-3" cal. 12'-13'	B&B
W	56	Pinus strobus White Pine	7'-8' 2½" cal.	B&B
A	15	Viburnum dentatum ARROWWOOD	24"-30"	B&B
D	38	Cotoneaster divaricatus Spreading Cotoneaster	18"-24"	B&B or container
C	30	Cotoneaster adpressa praecox Early Cotoneaster	15"-18"	container
E	42	Viburnum opulus compactum European cranberry bush	18"-24"	B&B or container
Z	3	Zelkova serrata 'Village Green' Green vase zelkova	13'-15' 2½"-3" cal.	B&B
I	12	Ilex glabra 'Compacta' Dwarf inkberry	15"-18"	container
M	23	Liriope muscari 'Majestic' Lily turf	quart	container

LANDSCAPE NOTES

I. General Notes

A. The Landscape Contractor shall verify all quantities of plant material shown on the plan in the plant list, and shall provide and plant all material in accordance with the plan.

B. Any change in the type, size or quantity of plant material by the Landscape Contractor must be approved by the Landscape Architect prior to installation.

C. All plant materials must be nursery grown and meet all the qualitative criteria established by the American Standard for Nursery Stock specifications published by the American Association of Nurserymen.

D. All shade trees shall have a clear trunk of at least 5 feet above finished grade.

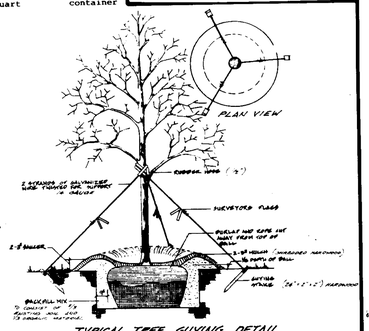
II. Tree & Shrub Planting Specifications

A. All planting islands are to have a minimum 18" depth of clean soil for the entire area of the island; clean soil must include existing on-site soil, but must be free of petroleum or other chemical substances, blue stone, and debris over 1 1/2" diameter.

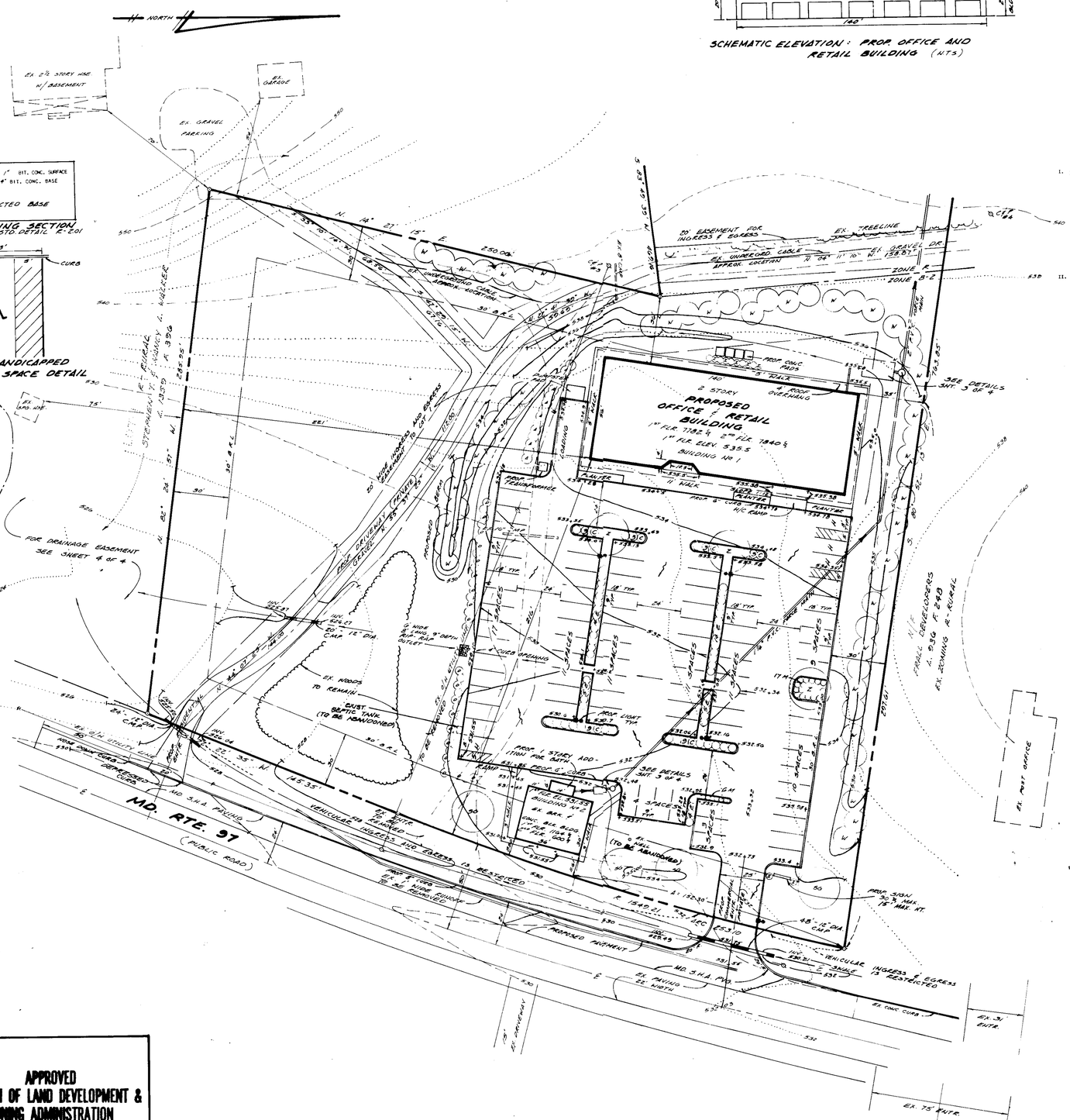
B. All group plantings are to be planted into prepared planting beds. The outline of each bed will be a smooth continous line. The entire area within the outlined bed shall be thoroughly loosened to a depth of 8". All unsuitable debris and material greater than 1 1/2" shall be removed from the site. A 3" layer of organic material shall be thoroughly cultivated into the bed area. The shrubs will be set in the bed slightly higher than their original grade. The entire bed area is to receive 2" of mulch

C. All mulch is to be shredded hardwood, exclusively.

D. THE LANDSCAPE CONTRACTOR SHALL VERIFY MISS UTILITY AT 559-0400 TO VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD BEFORE PROCEEDING WITH THE INSTALLATION OF ANY PLANTING.



TYPICAL TREE GUYING DETAIL



OWNER / DEVELOPER:
GLENWOOD ASSOCS. LTD. PARTNERSHIP
c/o STEPHEN T. WALKER
3060 WASHINGTON RD.
P.O. BOX 190
GLENWOOD, MD. 21738
PHONE: (301) 854-6889

REVISED:
7/1/87: LANDSCAPE, SITE ANALYSIS, PARKING, PER COMMENTS
7/31/87: LANDSCAPE PER COMMENTS
8/31/87: PER COMMENTS

SITE ANALYSIS

1. Area of Parcel: 4.9555 Ac. or 215,859.6527 sq. ft.
   B-2 AREA: 2.90 AC.± OR 126,436 ⅝
2. Present Zoning: B and B-2, SUBJECT TO VP 87-35
3. Floor Space Building No. 1: 1st Floor Retail 2500 sq. ft.
   1st Floor Office 5282 sq. ft.
   2nd Floor Office 7840 sq. ft.
   Building No. 2: Office 1848 sq. ft.
4. Maximum No. Retail Employees: 15
   Maximum No. Office Employees: 55
5. 87 Parking Spaces Required
   87 Parking Spaces Provided WHICH INCLUDES 4 H/C SPACES
6. Open Space to Remain on Site: 1.69 Acs.± or 58.28%
7. Building Coverage of Site: 9030 sq. ft. OR 7.61%
8. Landscaped Island Area: 1,675 sq. ft. (5.04% Parking)
   TOTAL PARKING AREA: 33,318 sq. ft.
9. TOTAL FLOOR SPACE IN BUILDING 1: 15,622.36 FT.
   TOTAL FLOOR SPACE IN BOTH BUILDINGS: 17,470 SQ. FT.

NOTES

1. Drive and parking area paving to consist of a 5" Bituminous Paving. 6" Base Course and 1" Surface Course over a well compacted base)
2. S.H.A. paving to be 3" (nominal) Bituminous Concrete Surface in 2-1½" layers utilizing a SN mixture plus 5" (nominal) Bituminous Concrete Base on 6" gravel.
3. Reference VP-87-35, Goldsmith Property regarding relocation of commercial and residential entrances.
4. Topography is field run based on Howard County B.M. #3333U02 Contour interval is 2 feet.
5. Existing pond to be used for Storm Water Management Facility.
6. EXISTING WELL AND EXISTING SEPTIC TANK TO BE ABANDONED)

ADDRESS CHART	
BUILDING NUMBER	STREET ADDRESS
BLDG. 1	3050 RT. 97 ROXBURY MILLS ROAD
BLDG. 2	3060 RT. 97 ROXBURY MILLS ROAD

SUBDIVISION NAME			SECT./AREA	LOT/PARCEL #
GOLDSMITH PROPERTY			—	PARCEL A-1
PLAT # OR L/F	BLOCK #	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TR.
7357	22	B-2	14	4TH	6040
WATER CODE WELL			SEWER CODE SEPTIC	

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
COUNTY HEALTH OFFICER — DATE 9-24-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
DIRECTOR — DATE 10-6-87
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 10-8-87

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR — DATE 10-1-87
CHIEF BUREAU OF ENGINEERING — DATE 9-30-87

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 7-31-87

SITE DEVELOPMENT PLAN

PARCEL A-1
GOLDSMITH PROPERTY PLAT # 7357

GLENWOOD ASSOCIATES

BUILDING

3060 WASHINGTON ROAD (MD. RTE. 97)
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE 1" = 30' FEBRUARY 1987
TAX MAP 14 PARCEL 224

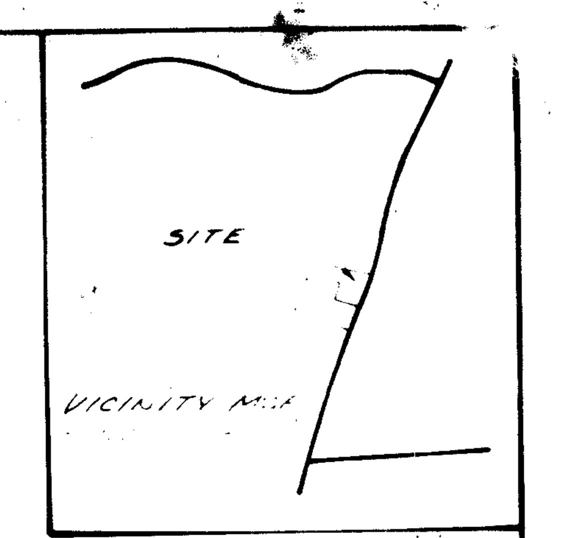
2/24/87

SHELADIA Associates, Inc.
CONSULTING ENGINEERS
310 A South Main Street, Mt. Airy Md. 21771
(301) 829-2890

JOB NO 231-143

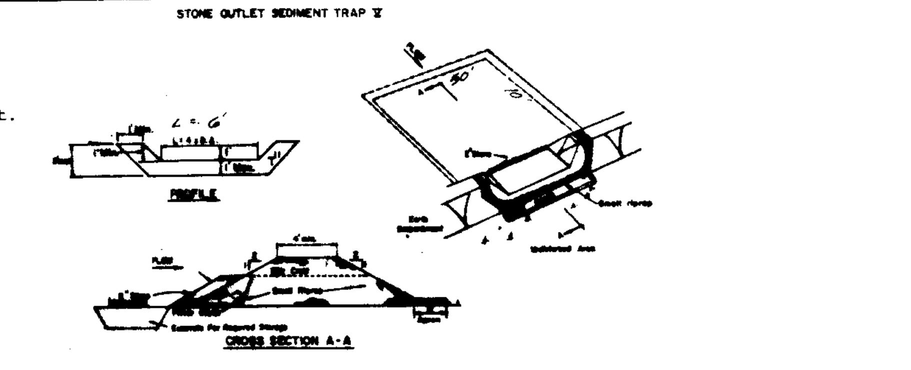
SHEET 1 OF 4

SDP-87-162



STONE OUTLET SEDIMENT TRAP

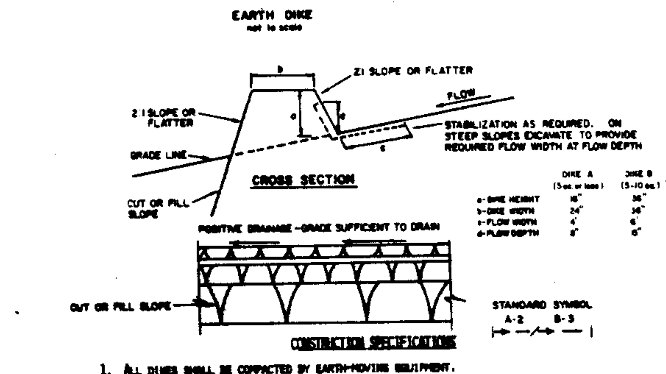
Drainage Area	1.5 Acre
Storage Required...........	1.5 x 1,800 = 2,700 c.ft.
Storage Provided...........	2,796 c.ft.
Top of Berm Elevation......	529.5
Bottom of Trap Elevation...	526.5
Top of Crest Elevation.....	528.5
Clean out Elevation........	528.0
Bottom Width...............	10.0 ft.
Bottom Length..............	50.0 ft.
Weir Length................	6.0 ft.



Maximum Drainage Area: 5 Acres

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND	STONE OUTLET SEDIMENT TRAP	STANDARD DRAWING ST-X

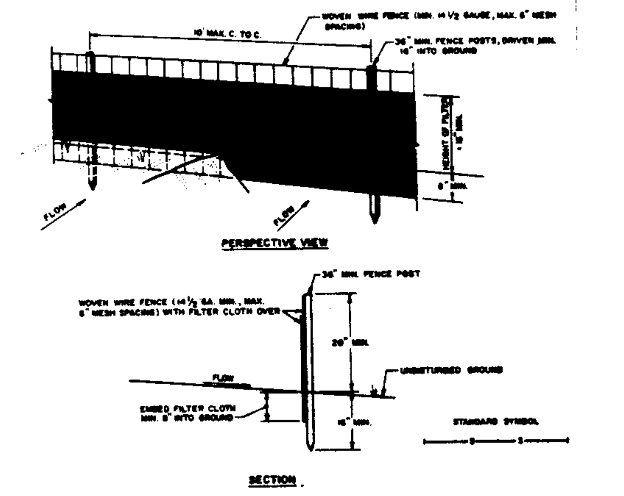
EARTH DIKE



7. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND	EARTH DIKE	STANDARD DRAWING ED-1

SILT FENCE

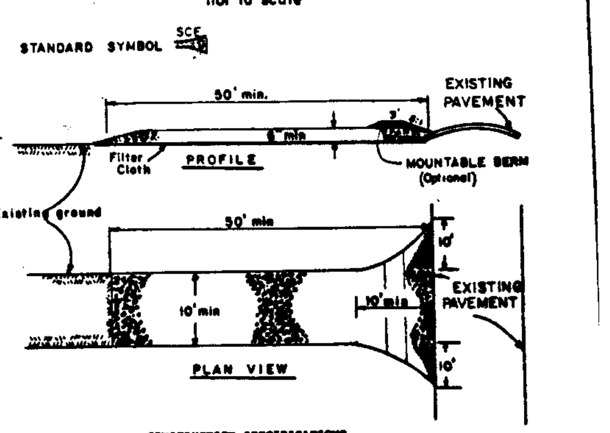


CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND	SILT FENCE	STANDARD DRAWING SF-1

STABILIZED CONSTRUCTION ENTRANCE

not to scale



CONSTRUCTION SPECIFICATIONS

1. Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 foot (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each rain.

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE College Park, Md.	STABILIZED CONSTRUCTION ENTRANCE	Standard Drawing SCE-1

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION SERVICE — DATE 9-3-87

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

HOWARD SOIL CONSERVATION DISTRICT — DATE 9/3/87

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT.

COUNTY HEALTH OFFICER — DATE 9-24-87

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

DIRECTOR — DATE 10.6.87

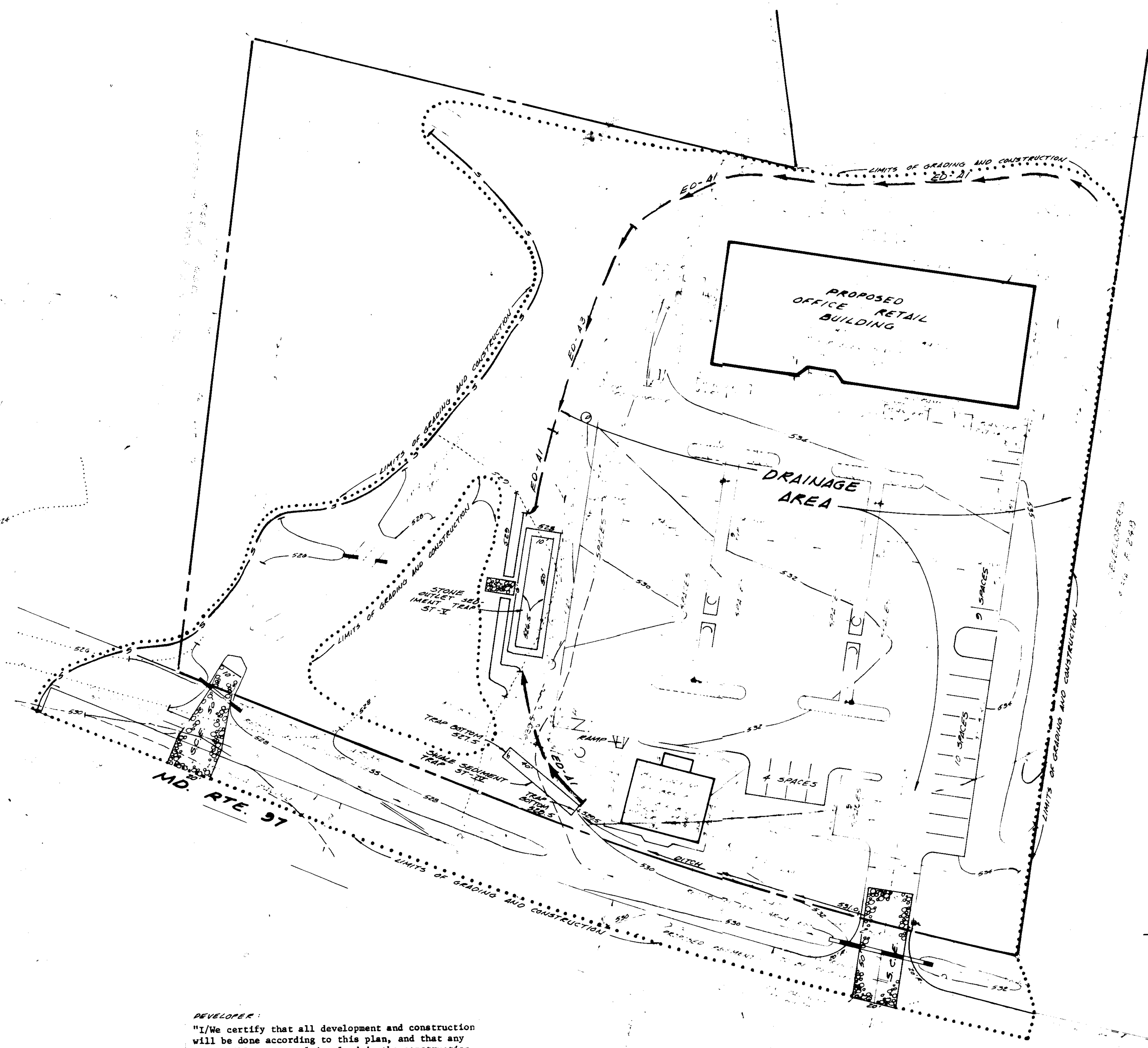
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 10-6-87

APPROVED FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR — DATE 10-1-87

CHIEF BUREAU OF ENGINEERING — DATE 9-30-87

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 7-31-87



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 Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

STEPHEN T. WALKER — DATE 8/24/87

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."

SOURABH G. MUNSHI P.E. № 10,539 — Date 2/24/87

REVISED:

7/1/87 : EARTH DIKE, SWALE SED. TRAP, PARKING, PER COMMENTS

8/31/87 : PER COMMENTS

OWNER / DEVELOPER:

GLENWOOD ASSOCS. LTD. PARTNERSHIP

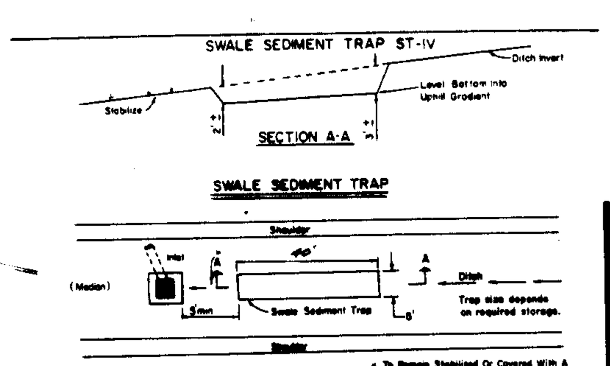
c/o

3060

CONSTRUCTION SEQUENCE

1. Obtain grading permit.
2. Install stabilized construction entrance, silt fence, EARTH DIKE, STONE OUTLET SED. TRAP & SWALE SED. TRAP. Complete this work without interruption (2 days). Stabilize in accordance with temporary seeding notes.
3. Grade site.
4. Erect structure.
5. Contact Miss Utility and install water, sewer systems and other utilities.
6. Install curb and paving.
7. Fine grade and permanently stabilize site. (5 days)
8. Remove all Sediment Control measures with the permission of the Sediment Control Inspector.

SWALE SEDIMENT TRAP ST-IV



CONSTRUCTION SPECIFICATION FOR ST-IV

1. The swale sediment trap shall be constructed in accordance with the dimensions provided on the design drawings or sized to provide the minimum storage necessary 1800 cubic feet of storage for each acre of drainage area.
2. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to ½ the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
3. The structure shall be inspected after each rain and repairs made as needed.
4. Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized.
5. The sediment trap shall be removed and area stabilized when the contributory drainage area has been properly stabilized.
6. The swale sediment trap will be properly backfilled and the swale or ditch reconstructed.

Maximum Drainage Area: 2 Acres

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND	SWALE SEDIMENT TRAP	STANDARD DRAWING ST-IV

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, discing or other acceptable means before seeding.

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

1) Preferred — Apply 2 tons per acre 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 disc 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 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Harrow or disc 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) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching — Apply 1½ 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, discing or other acceptable means before seeding.

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 November 15, seed with 2½ 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 1½ 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.

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 provisions 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, Chaper 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) sod (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 4.95 Acres ±
   - Area Disturbed 2.73 Acres ±
   - Area to be roofed or paved 1.12 Acres ±
   - Area to be vegetatively stabilized 1.27 Acres ±
   - Total Cut 1,004 Cu. yds
   - Total Fill 1,830 Cu. yds
   - Offsite waste/borrow area location AS APPROVED BY S.C. INSPECTOR
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 controls must be provided, if deemed necessary by the Howard County DPW sediment control inspecter.
10) 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.

SEDIMENT CONTROL PLAN

PARCEL A-1
GOLDSMITH PROPERTY PLAT # 735?

GLENWOOD ASSOCIATES BUILDING

3060 WASHINGTON ROAD (MD. RTE. 97)
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

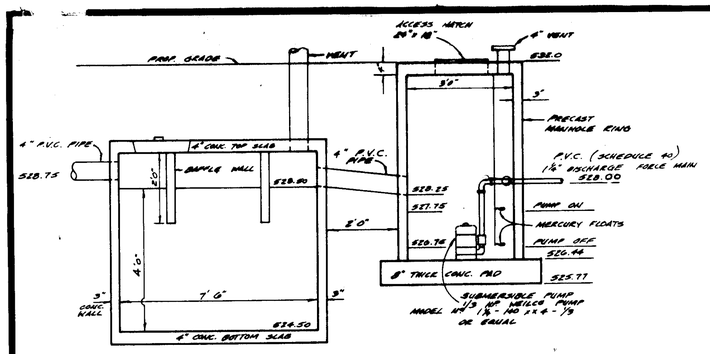
SCALE 1" = 30' FEBRUARY 1987
TAX MAP 14 PARCEL 224

2/24/87

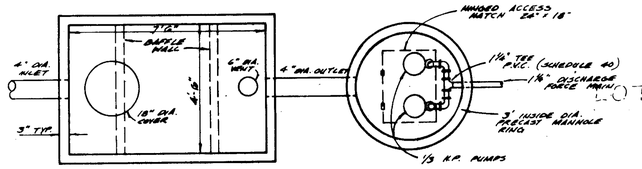
SHELADIA Associates, Inc.
CONSULTING ENGINEERS
310 A South Main Street Mt. Airy Md. 21771
(301) 829 2890

SHEET 2 OF 4

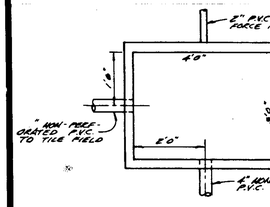
SDP-87-162



SECTION: SEPTIC TANK AND WET WELL # 1
N.T.S.

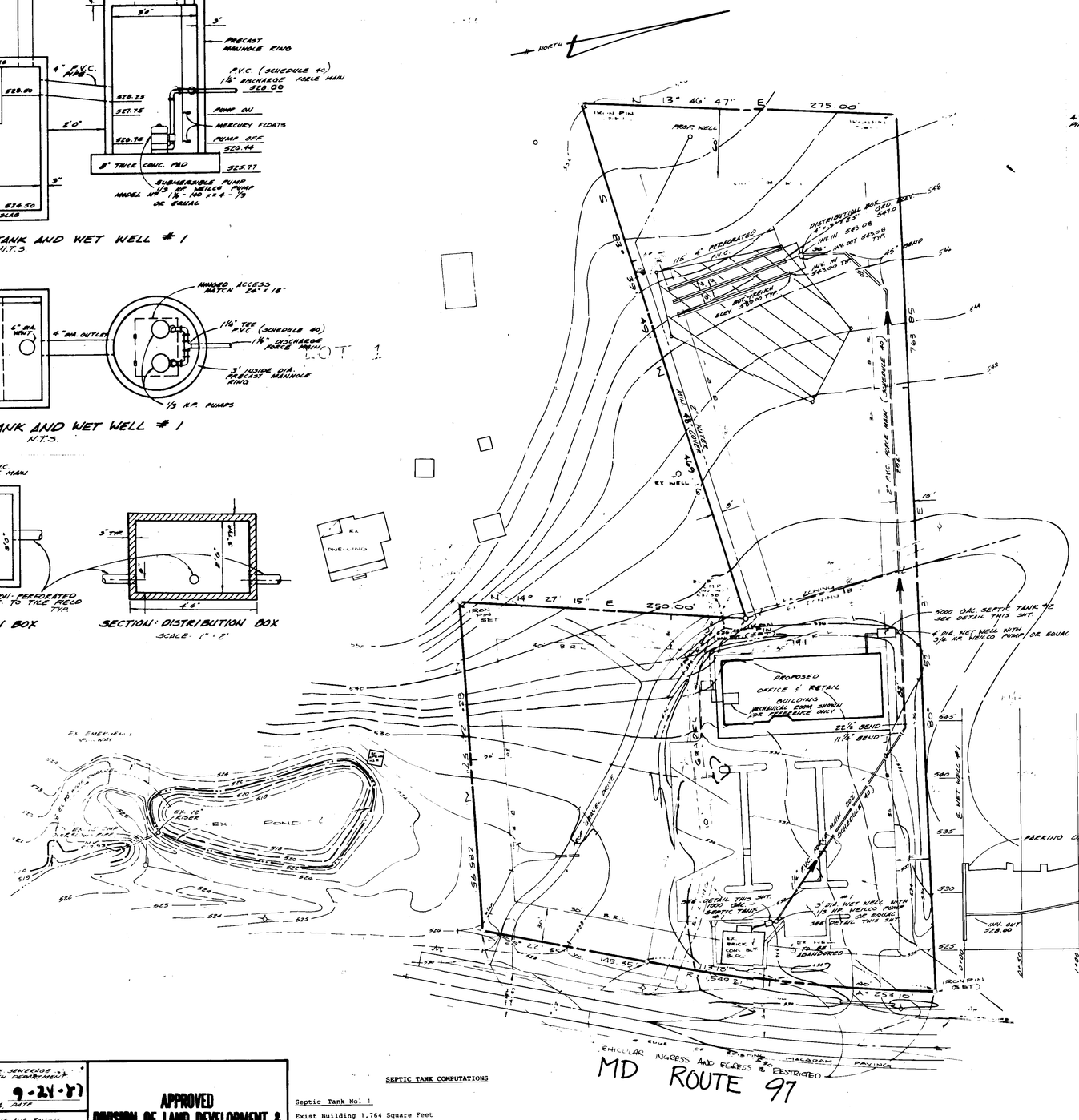


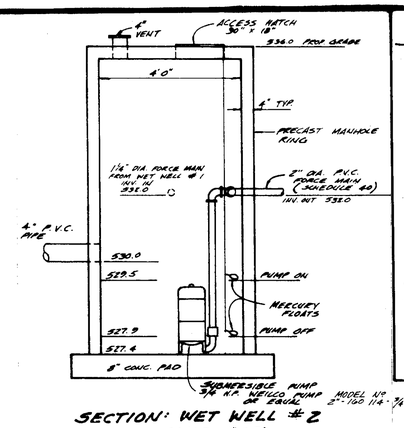
PLAN: SEPTIC TANK AND WET WELL # 1
N.T.S.



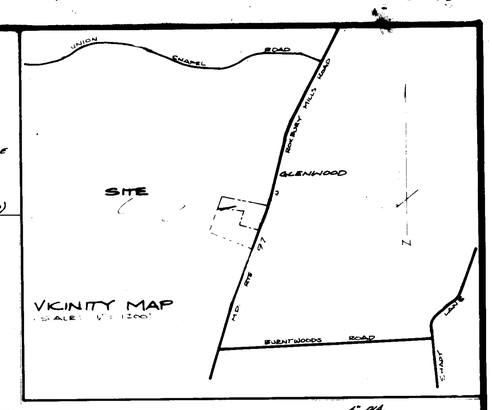
PLAN: DISTRIBUTION BOX
SCALE: 1" = 2'

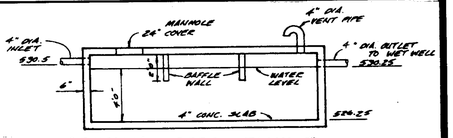
SECTION: DISTRIBUTION BOX
SCALE: 1" = 2'



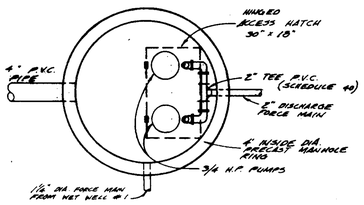


SECTION: WET WELL # 2
SCALE: 1" = 2'

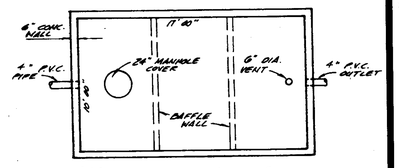




SECTION: SEPTIC TANK # 2
SCALE: 3/16" = 1'



PLAN: WET WELL # 2
SCALE: 1" = 2'



PLAN: SEPTIC TANK # 2
SCALE: 3/16" = 1'

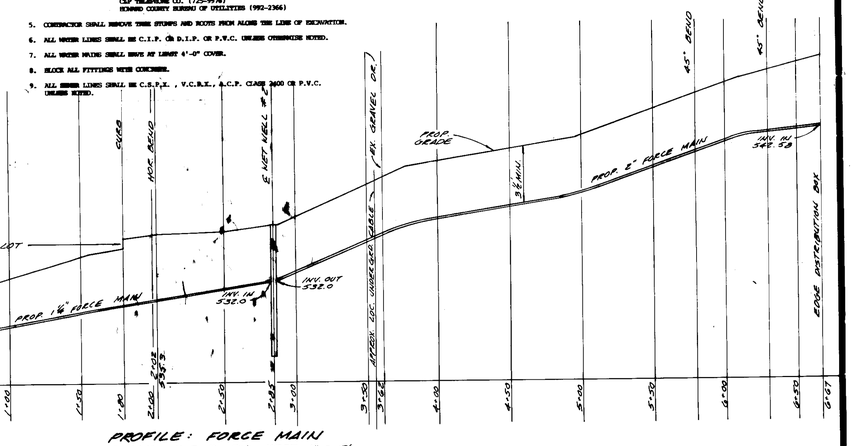
NOTE:
1. WET WELL MANHOLE TO BE CONSTRUCTED AS PER HOWARD COUNTY STD DETAIL No. S.C.1.12.
2. ELECTRICAL CONTROL SHALL BE PROVIDED TO ALTERNATE THE LEAD PUMP CYCLE EACH TIME.

WATER & SEWER CONSTRUCTION NOTES

1. ALL PIPES ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
2. CLEAR ALL UTILITIES BY A MIN OF 6" AND ALL POLES BY A MIN OF 2'-0".
3. FOR DETAILS NOT SHOWN HERE USE HOWARD COUNTY STANDARD DETAILS FOUND IN THE HOWARD COUNTY DESIGN MANUAL VOL IV AND FOR MATERIALS AND CONSTRUCTION USE THE HOWARD COUNTY STANDARD SPECIFICATIONS.
4. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST ONE WEEK BEFORE STARTING WORK SHOWN HEREON:

   "MISS UTILITY" (599-0100)
   C&P TELEPHONE CO. (725-9976)
   HOWARD COUNTY BUREAU OF UTILITIES (992-2366)

5. CONTRACTOR SHALL REMOVE TREE STUMPS AND ROOTS FROM ALONG THE LINE OF EXCAVATION.
6. ALL WATER LINES SHALL BE C.I.P. OR D.I.P. OR P.V.C. UNLESS OTHERWISE NOTED.
7. ALL WATER MAINS SHALL HAVE AT LEAST 4'-0" COVER.
8. BLOCK ALL FITTINGS WITH CONCRETE.
9. ALL SEWER LINES SHALL BE C.S.P.I. , V.C.R.I., A.C.P. CLASS 2000 OR P.V.C. UNLESS NOTED.



PROFILE: FORCE MAIN
SCALE: HOR. 1" = 50' VERT. 1" = 5'

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
HEALTH OFFICER — DATE 9-24-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
DIRECTOR — DATE 10.5.87
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 10-5-87

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR — DATE 10-1-87
CHIEF BUREAU OF ENGINEERING — DATE 9.30.87

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 7-31-87

SEPTIC TANK COMPUTATIONS

Septic Tank No. 1

Exist Building 1,764 Square Feet
Future Use Office
Seweage Flow @ 0.09 GPD
Average Daily Flow 1,764 x 0.09 = 158 GPD
Peak Flow 158 x 4 = 632 GPD
Septic Tank Volume = Peak Flow x 1.5 = 632 x 1.5 = 948 Gallons
Provide 1000 Gallon Tank

Septic Tank No. 2

Office 12,812 square feet - seweage flow @ 0.09 = 1,153 GPD
Retail 2,732 square feet - seweage flow @ 0.05 = 137 GPD

Total Average Daily flow = 1,290 GPD

Peak Flow - 4 x 1,290 = 5,160 GPD

Septic Tank Volume = 1,125 + 0.75 Peak Flow
= 1,125 @ 0.75 x 5,160
= 4,995 Gallons
Provide 5,000 Gallon Tank

OWNER / DEVELOPER:
GLENWOOD ASSOCS. LTD PARTNERSHIP
% STEPHEN T. WALKER
3060 WASHINGTON RD.
PO BOX 190
GLENWOOD, MD. 21738
PHONE (301) 854-6889

REVISED:
7/1/87 PARKING PER COMMENTS
8/31/87 PER COMMENTS

PRIVATE WATER / SEWER PLAN & DETAILS

PARCEL A-1
GOLDSMITH PROPERTY PLAT # 7357

GLENWOOD ASSOCIATES BUILDING

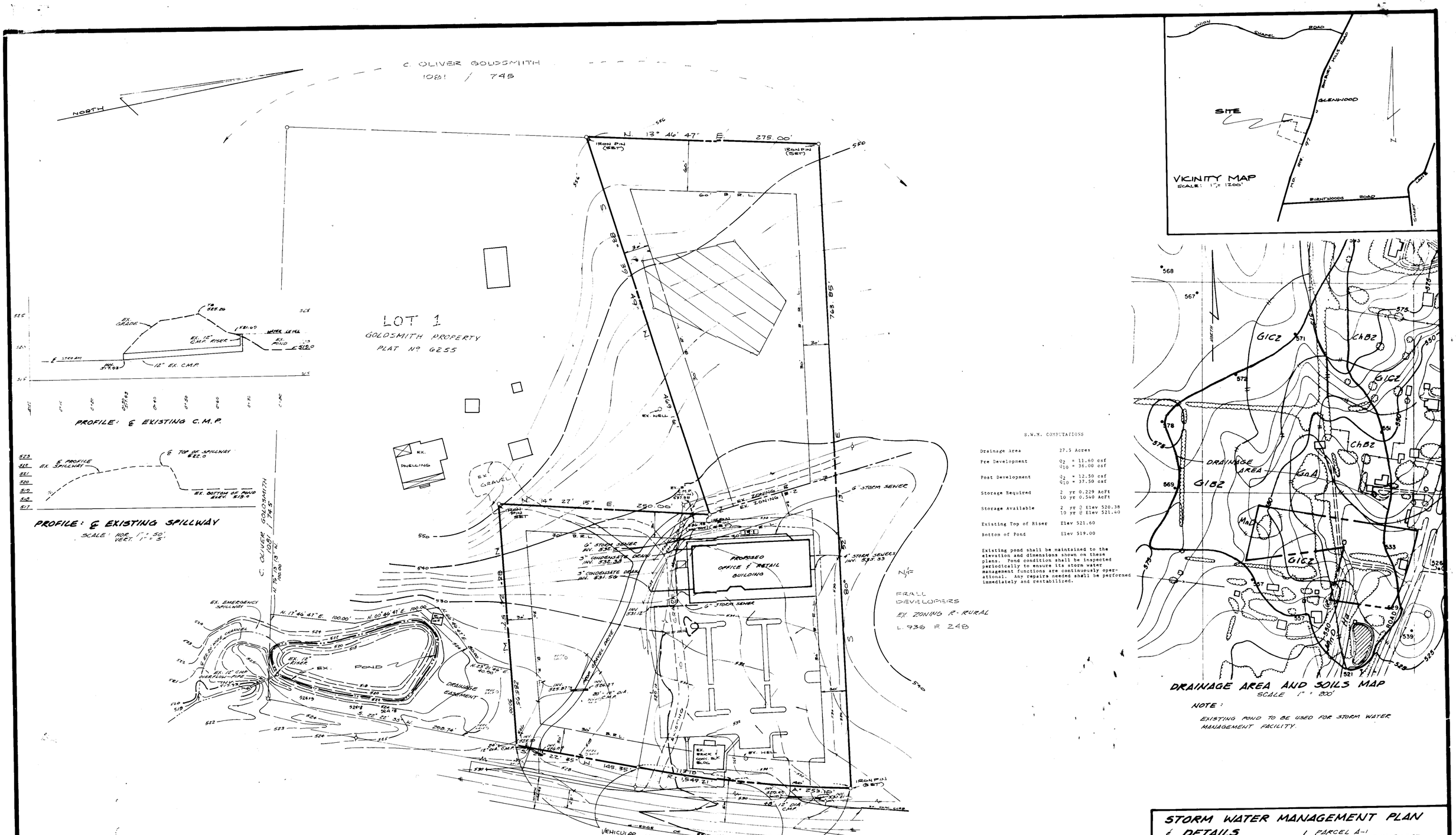
3060 WASHINGTON ROAD (MD RTE 97)
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE 1" = 50' FEBRUARY 1987
TAX MAP 14 PARCEL 224

STATE OF MARYLAND — 2/24/87

SHELADIA Associates, Inc.
CONSULTING ENGINEERS
310 A South Main Street, Mt. Airy, Md. 21771
(301) 829-2890

JOB NO 251-743 SHEET 3 OF 4



S.W.M. COMPUTATIONS

Drainage Area	27.5 Acres
Pre Development	Q_2 = 11.60 csf Q_{10} = 36.00 csf
Post Development	Q_2 = 12.50 csf Q_{10} = 37.50 csf
Storage Required	2 yr 0.229 AcFt 10 yr 0.540 AcFt
Storage Available	2 yr @ Elev 520.38 10 yr @ Elev 521.40
Existing Top of Riser	Elev 521.60
Bottom of Pond	Elev 519.00

Existing pond shall be maintained to the elevation and dimensions shown on these plans. Pond condition shall be inspected periodically to ensure its storm water management functions are continuously operational. Any repairs needed shall be performed immediately and restabilized.

DRAINAGE AREA AND SOILS MAP
SCALE 1" = 200'

NOTE:

EXISTING POND TO BE USED FOR STORM WATER MANAGEMENT FACILITY.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

COUNTY HEALTH OFFICER — DATE 9-24-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

DIRECTOR — DATE 10-15-87

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 10-2-87

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

DIRECTOR — DATE 10-1-87

CHIEF BUREAU OF ENGINEERING — DATE 9-30-87

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 7-31-87

OWNER / DEVELOPER:
GLENWOOD ASSOCS. LTD. PARTNERSHIP
% STEPHEN T. WALKER
3060 WASHINGTON RD.
P.O. BOX 190
GLENWOOD, MD. 21738
PHONE: (301) 854-6885

REVISED:
7/1/87 PARKING PER COMMENTS, DRAINAGE EASEMENT
8/31/87 PER COMMENTS

STORM WATER MANAGEMENT PLAN & DETAILS

PARCEL A-1
GOLDSMITH PROPERTY PLAT # 7357

GLENWOOD ASSOCIATES BUILDING

3060 WASHINGTON ROAD (MD. RTE. 97)
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: 1" = 50' — FEBRUARY 1987
TAX MAP 14 — PARCEL 224

STATE OF MARYLAND — SOURABH PARIKH — REGISTERED PROFESSIONAL ENGINEER
2/24/87

SHELADIA Associates, Inc.
CONSULTING ENGINEERS
318 A South Main Street, Mt. Airy Md. 21771
(301) 829-2890

JOB Nº 251-743 — SHEET 4 OF 4