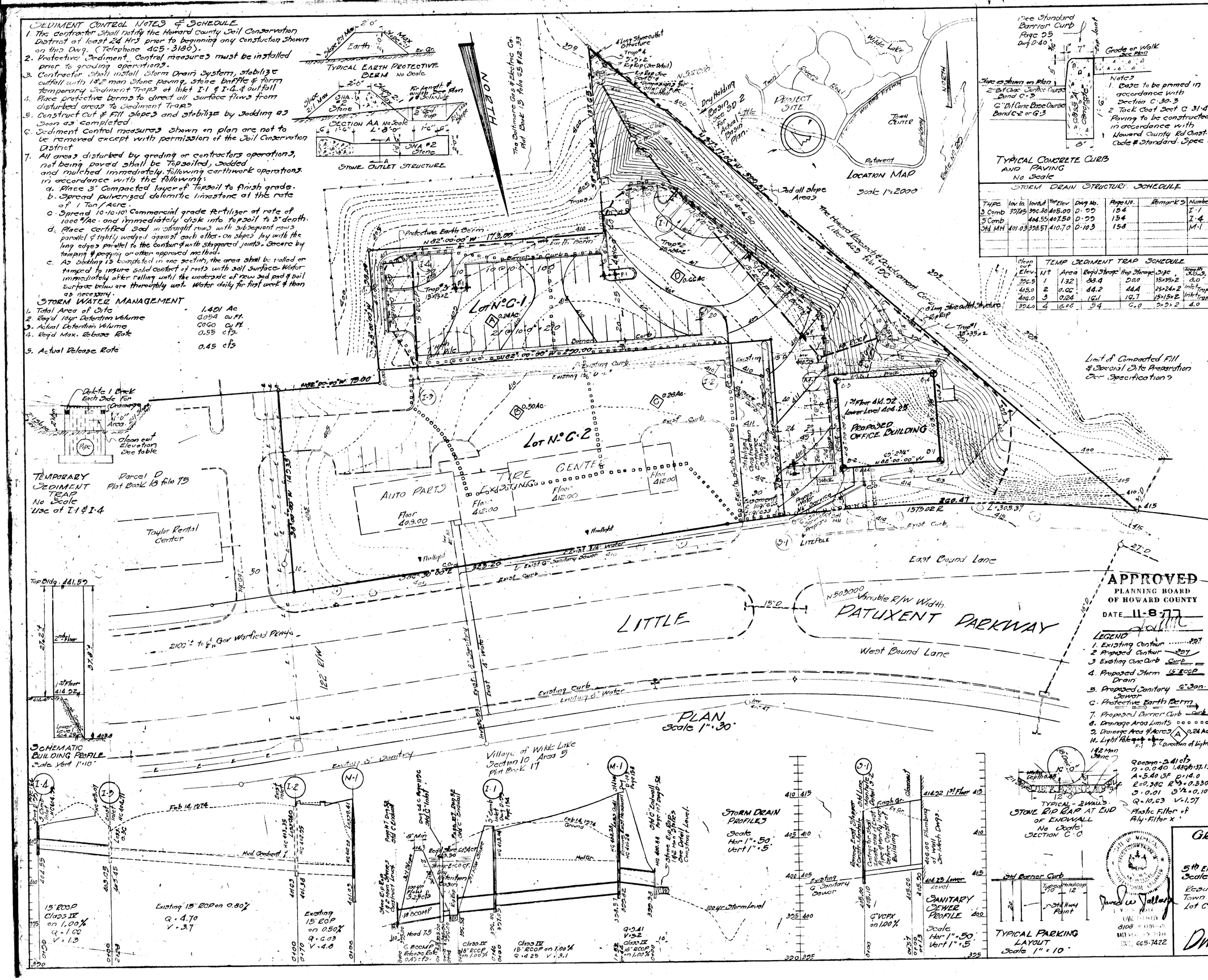
SEDIMENT CONTROL NOTES & SCHEDULE

1. The contractor shall notify the Howard County Soil Conservation District at least 24 Hrs prior to beginning any construction shown on this Dwg. (Telephone 465-3186).
2. Protective Sediment Control measures must be installed prior to grading operations.
3. Contractor shall install Storm Drain System, stabilize outfall with 1&2 man stone paving, stone baffle & form temporary Sediment Traps at Inlet I-1 & I-4 & outfall
4. Place protective berms to direct all surface flows from disturbed areas to Sediment Traps
5. Construct Cut & Fill slopes and stabilize by sodding as soon as completed
6. Sediment Control measures shown on plan are not to be removed except with permission of the Soil Conservation District
7. All areas disturbed by grading or contractors operations, not being paved shall be Topsoiled, Seeded and mulched immediately following earthwork operations in accordance with the following:
   a. Place 3" Compacted layer of Topsoil to finish grade.
   b. Spread pulverized dolomitic limestone at the rate of 1 Ton/Acre.
   c. Spread 10-10-10 Commercial grade fertilizer at rate of 1000 #/Ac. and immediately disk into topsoil to 3" depth.
   d. Place certified sod in straight rows with subsequent rows parallel & tightly wedged against each other. On slopes lay with the long edges parallel to the contour & with staggered joints. Secure by tamping & peging or other approved method.
   e. As sodding is completed in one section, the area shall be rolled or tamped to insure solid contact of roots with soil surface. Water immediately after rolling until the underside of new sod pad & soil surface below are thoroughly wet. Water daily for first week & than as necessary.

STORM WATER MANAGEMENT

1. Total Area of Site	1.401	Ac
2. Reqd 1day Detention Volume	6054	cu Ft.
3. Actual Detention Volume	6060	cu Ft
4. Reqd Max. Release Rate	0.53	cfs.
5. Actual Release Rate	0.45	cfs



TEMPORARY SEDIMENT TRAP
No Scale
Use at I-1 & I-4

Parcel D
Plat Book 18 Folio 75

STORM DRAIN STRUCTURE SCHEDULE

Type	Inv In	Inv Out	Top Elev	Dwg No.	Page No.	Remarks	Number
3 Comb	397.05	396.30	405.00	D-93	154		I-1
5 Comb		404.55	407.50	D-93	154		I-4
Std MH	401.03	398.57	410.70	D-103	158		M-1

TEMP SEDIMENT TRAP SCHEDULE

Clean out Elev.	N°	Area	Reqd Storage	Prop Storage	Size	Type
396.5	1	1.32	88.4	90.0	35x35x2	Trap
405.0	2	0.66	44.2	44.4	25x24x2	Inlet
406.0	3	0.24	16.1	16.7	15x15x2	Inlet
394.0	4	16.08	54	60.0	5x5x2	Trap

GENERAL NOTES

1. Parcel C Shown on Subdivision Plat of Parcel "C" Town Center Section C Area 2 Lots C1 & C2 Plat Book 26 Folio 47
2. State Tax Map 1970-1971 Page 35 Parcel 273.
3. Gross Acreage of Parcel C-1 1.491 ± Acres
4. Zoned: Employment Center-Commercial-Town Center, FDP 64-A; See R.D. Case 107.
5. Use: Office Building
6. Total Number of Lots - One
7. Parking Spaces Shown 65 Spaces
8. 13,170 Total Sq Ft of Office Use on Site 3x4330 SF
9. Any damage to county Right of Way or existing paving shall be corrected at the developers expense.
10. All material and construction methods shall be in accordance with Howard County Road Construction Code.
11. Site Analysis
    1.491 Ac Total Area of Site
    1.40 Ac Disturbed
    0.73 Ac Roofed & Paved
    0.67 Ac Area Revegetated
    0.09 Ac Area Not Disturbed
12. Lighting shall be 150 Watt Sodium, High Pressure on 28' high Fluorescent Pole Cat № FL 1831-208-32 Marsh-Edison or Equal. All lighting shall be directed away from public Right of Ways.
    P-1 - Double Light P - Single Light

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

David W. Dallas Jr. — 5-14-77
Signature of Engineer — Date

I certify that all development and/or Construction will be done according to this plan of development and plan for Erosion and Sediment Control, and I also authorize periodic on site inspection by the Howard Soil Conservation District or their authorized Agents as are deemed necessary. Deviations from this plan will not be made unless authorized by the Howard Soil Conservation District.

10-25-77
Signature of Developer — Date

Reviewed for HOWARD (Name) S.C.D and meets Technical Requirements.
C. Vaughn Ray (Signature) — 12/20/77 (Date)
U.S. Soil Conservation District

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District

APPROVED: Wes Earp — 12-20-77
Howard Soil Conservation District — Date

APPROVED: For Public Water and Public Sewerage Systems
HOWARD COUNTY HEALTH DEPARTMENT.
Joseph Boulos — 1-5-78
County Health Officer — Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas G. Harris — 1-9-78
Planning Director — Date
1-9-78
Chief, Division of Land Development — Date

APPROVED: For Public Water, Public Sewerage, and Storm Drainage Systems and Roads.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Director — Date
Chief, Bureau of Highways — Date

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 11-8-77

LEGEND
1. Existing Contour 397
2. Proposed Contour 397
3. Existing Conc Curb Curb
4. Proposed Storm Drain 15" RCCP
5. Proposed Sanitary Sewer 6" San.
6. Protective Earth Berm
7. Proposed Barrier Curb Curb
8. Drainage Area Limits
9. Drainage Area & Acres A 0.24 Ac.
10. Light Pole & Direction of Light

GREMPLER REALTY INC. OFFICE PARK
LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND
5th Election District — Howard County, Md.
Scale 1"=30' — May 14, 1974 — July 1, 1974 — Revised Aug 31, 1977
Resubdivision, Parcel C
Town Center Section C Area 2
Lot C-1 Plat Book 26-47

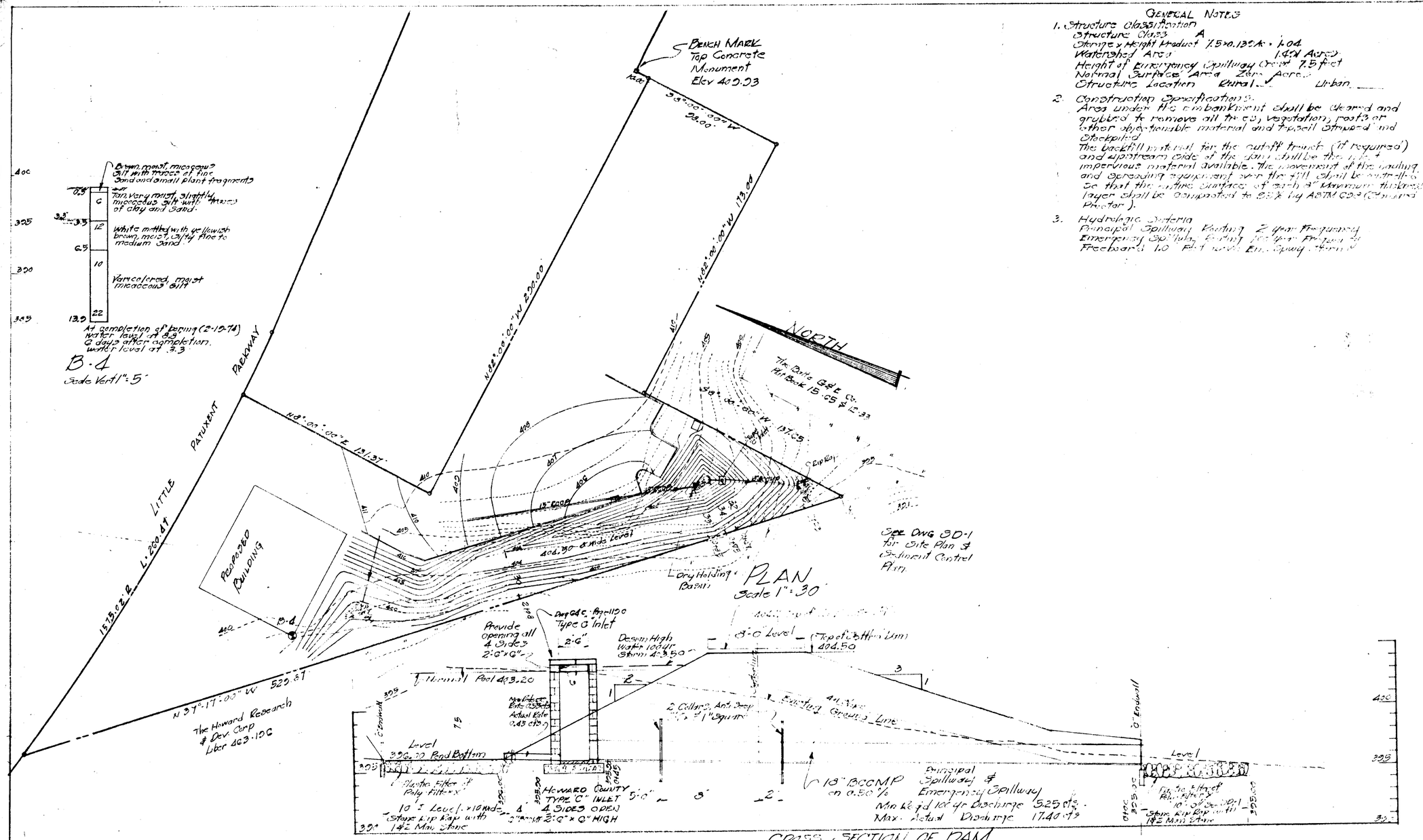
ARCHITECT
L. Edward Wolf
Bonnie Road
Lutherville Md 21093
Phone 252-4154

OWNER
Gremplar Realty
400 East Joppa Road
Towson Md 21204
Phone 825-0400

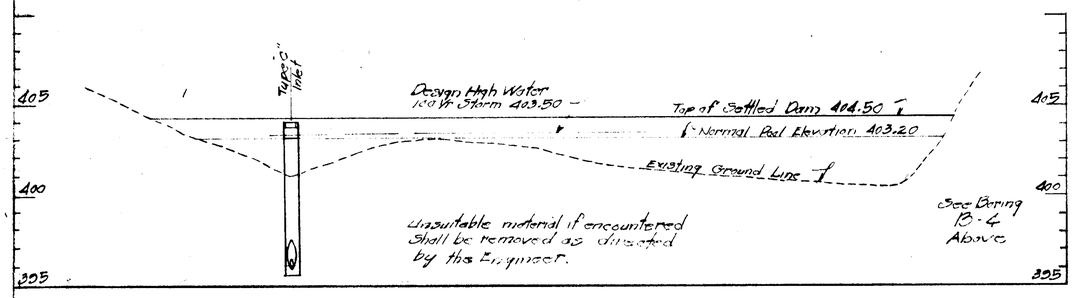
David W. Dallas
8108 Rockwood Road
Baltimore, Md. 21204
665-7422

DWG SD-1 of 2

SDP-77-106c



CROSS SECTION OF DAM
AND
PROFILE OF PRINCIPAL & EMERGENCY SPILLWAY
Scale Hor 1" = 4'
Vert 1" = 4'



PROFILE ALONG CENTERLINE OF DAM
Scale Hor 1" = 20' Vert 1" = 4'

GENERAL NOTES

1. Structure Classification
   Structure Class A
   Storage x Height Product 7.5 x 0.139 Ac = 1.04
   Watershed Area 1.491 Acres
   Height of Emergency Spillway Crest 7.5 feet
   Normal Surface Area Zero Acres
   Structure Location Rural ✓ Urban ____
2. Construction Specifications.
   Area under the embankment shall be cleared and grubbed to remove all trees, vegetation, roots or other objectionable material and topsoil stripped and stockpiled.
   The backfill material for the cutoff trench (if required) and upstream side of the dam shall be the most impervious material available. The movement of the hauling and spreading equipment over the fill shall be controlled so that the entire surface of each 8" Maximum thickness layer shall be compacted to 95% by ASTM C98 (Standard Proctor).
3. Hydrologic Criteria
   Principal Spillway Routing 2 year Frequency
   Emergency Spillway Routing 100 year Frequency
   Freeboard 1.0 Feet above Em. Spwy. Storm

PLAN CERTIFICATION

I hereby certify that the plans and specifications for the proposed small pond were prepared by or under my supervision, and meet the minimum standards of the Howard Soil Conservation District.
I have also informed the owner of his responsibility to have the construction supervised and certified by a Registered Professional Engineer within thirty (30) days of completion

Signed David W. Dallas Jr. P.E. No. 3575

LANDOWNERS CERTIFICATION

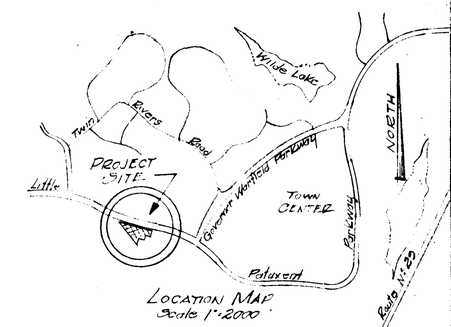
I hereby certify that all work will be completed pursuant to this plan.

Signed [signature] 12-14-77 10:25:71

APPROVED For Public Water & Public Sewerage Systems
HOWARD COUNTY HEALTH DEPARTMENT
[signature] 1-5-78
Chief, Health Officer Date

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
[signature] 1-9-78
Planning Director Date
[signature] 1-9-78
Chief, Division of Land Development Date

APPROVED For Public Water, Public Sewerage and Storm Drainage Systems and Roads.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[signature] 12-20-77
Director Date
[signature] 12-29-77
Chief, Bureau of Highways Date



LOCATION MAP
Scale 1" = 2000'

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 11-8-77

Reviewed for Howard S.C.D.
Name
and meets Technical Requirements
C. Wayne Ray Date 12/20/77
Signature
U.S. Soil Conservation Service

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

Approved Wes Earp Date 12-20-77
Howard S.C.D.

DAVID W. DALLAS, JR.
CIVIL ENGINEER
8108 HARRISON RD., BALTO., MD. 21234

STORM WATER MANAGEMENT

GREMPLER REALTY, INC. OFFICE BUILDING
LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND

5th Election District
Scale = As Shown
Howard County, Maryland
October 18, 1977

Resubdivision Parcel C
Town Center Section 6 Area 2
Lot C-1 Plat Book 26-47

OWNER
Grempler Realty
400 East Joppa Road
Towson, Md 21204
Phone 825-6400

DWG SD-2 of 2

SDP-77-106