SITE DEVELOPMENT PLAN
HILLCROFT PROFESSIONAL CENTER
VILLAGE OF OWEN BROWN
SECTION 5 AREA 1
6TH ELECTION DISTRICT
HOWARD COUNTY , MARYLAND

SHEET INDEX	
NO.	DESCRIPTION
1	TITLE SHEET
2	SITE DEVELOPMENT PLAN
3	SEDIMENT CONTROL PLAN & DETAILS AND
	DRAINAGE AREA MAP
4	STORM DRAIN PROFILES & DETAILS
5	S.W.M. NOTES & DETAILS
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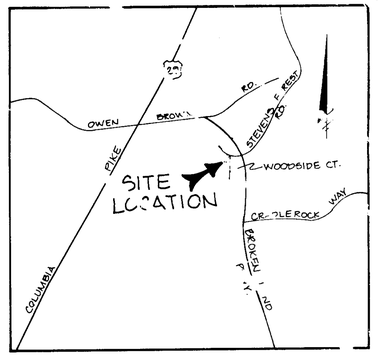
GENERAL NOTES

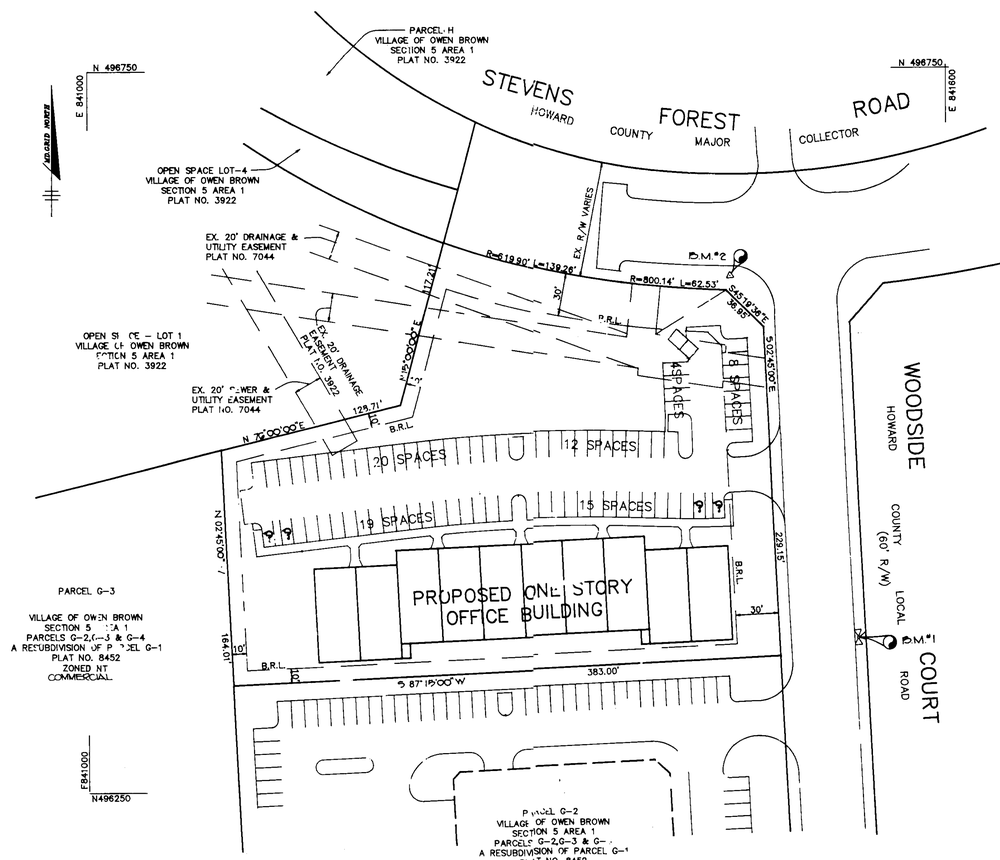
1. ALL WATER LINES SHALL BE CONSTRUCTED A MINIMUM OF 42" COVER BELOW FINISHED GRADE.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, i.e., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
3. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FROM BEST AVAILABLE INFORMATION. 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.
4. THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS TO VERIFY THEIR LOCATION AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF LOCATION OF UTILITIES IS OTHER THAN SHOWN.
5. CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS:

MISS UTILITY	1-800-257-7777
C&P TELEPHONE COMPANY	725-9976
HOWARD COUNTY BUREAU OF UTILITIES	992-2366
AT&T CABLE LOCATION DIVERSION	393-3553
BALTIMORE GAS & ELECTRIC COMPANY	685-0123
STATE HIGHWAY ADMINISTRATION	531-5533
HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION (24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK)	792-7272

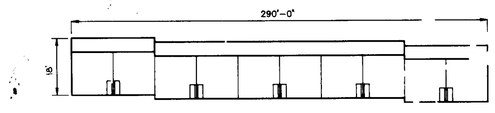
6. ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
7. ALL PIPE ELEVATIONS SHOWN ARE INVERT ( ) ELEVATIONS.
8. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
9. PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
10. NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SUBGRADE.
11. TOPO TAKEN FROM FIELD RUN SURVEY DATED OCTOBER, 1989 BY RIEMER, MUEGGE AND ASSOCIATES.
12. ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
13. ALL STORM DRAIN PIPE BEDDING SHALL BE AS SHOWN IN DETAIL G2.01 (TRENCH IN ROCK OR TRENCH IN EARTH AS DETERMINED BY FIELD CONDITIONS) IN VOL. IV OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE DRAWINGS.
14. THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORM WATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORM WATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS RIGHTS AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
15. THE OWNER SHALL PROVIDE A SEPARATE AND INDEPENDENT SEWER CONNECTION FOR EACH TENANT OR OCCUPANT OF ANY BUILDING, SHOWN ON THIS SITE DEVELOPMENT PLAN, WHO WILL DISCHARGE NON-DOMESTIC WASTE TO THE PUBLIC SEWERAGE SYSTEM IF THIS WASTE IS REGULATED UNDER SECTION 18.122A OF THE HOWARD COUNTY CODE. EACH SEPARATE AND INDEPENDENT SEWER CONNECTION SHALL INCLUDE A STANDARD MANHOLE AND OTHER WASTE PRETREATMENT DEVICES AS REQUIRED AND APPROVED BY HOWARD COUNTY. WASTE LINES ON THE INTERIOR OF THE BUILDING SHALL BE DESIGNED, CONSTRUCTED OR MODIFIED SUCH THAT NON-DOMESTIC WASTE WILL BE DISCHARGED TO THE SEPARATE AND INDEPENDENT SEWER CONNECTION. NO TENANT OR OCCUPANT OF ANY BUILDING SHOWN ON THIS SITE DEVELOPMENT PLAN SHALL DISCHARGE REGULATED NON-DOMESTIC WASTE TO THE PUBLIC SEWERAGE SYSTEM PRIOR TO INSTALLATION OF THE SEPARATE AND INDEPENDENT SEWER CONNECTION AND RELATED INTERIOR WASTE LINES. THE ABOVE REQUIREMENTS SHALL APPLY TO ALL INITIAL AND FUTURE OCCUPANTS OR TENANTS.
16. PER A FIELD INVESTIGATION BY THE RIEMER, MUEGGE & ASSOC. STAFF ENVIRONMENTALIST, THERE ARE NO WETLANDS ON SITE.
17. SEE DEVELOPMENT OF PLANNING AND ZONING FILE NUMBERS: FDP-149-A1, F89-110
18. WP-89-88 APPROVED 1 JULY 1988 TO WAIVE SECTION 16.156 (K) OF THE SUBDIVISION REGULATIONS.



VICINITY MAP
SCALE: 1"=2000'



PLAN
SCALE: 1"=50'



BUILDING ELEVATION
NO SCALE

SITE TABULATION

AREA OF PROPERTY.....2.083 ACRES
PRESENT ZONING.....NT (COMM.)
PROPOSED USE.....OFFICE BUILDING - 1 STORY
BUILDING AREA.....18,850 SQ.FT.
BUILDING COVERAGE OF SITE..... 20.7 %
PARKING REQUIRED..... 2 SP/1000 SF N.L.A.
TOTAL PARKING REQUIRED.. 38 SPACES
TOTAL PARKING PROVIDED.. 78 SPACES (INCL. 4 HAND.)
TOTAL PARKING AREA..... 0.54 Ac. (23,675 S.F.)
LANDSCAPED ISLANDS REQUIRED (0%)..... 0 Ac. (0 S.F.)
LANDSCAPED ISLANDS PROVIDED (3.3%)..... 0.03 Ac. (1243 S.F.)
OPEN SPACE:
REQUIRED (0%)..... 0 Ac. (0 S.F.)
PROVIDED (53.1%)..... 1.11 Ac. (48,210 S.F.)

THE PARKING SPACES REQUIRED AND PROVIDED ON THIS SITE DEVELOPMENT PLAN ARE FOR OFFICE USE ONLY AND ANY CONVERSION OF THE USE IN THE FUTURE IS SUBJECT TO THE PARKING REQUIREMENTS OF FINAL DEVELOPMENT PLAN PHASE 149-A-1.

BENCH MARKS

B.M.#1 ELEV. 349.97
TOP OF EX. FIRE HYDRANT, EAST SIDE OF WOODSIDE COURT

B.M.#2 ELEV. 341.66
HUB & TACK SET @ NORTHEAST CORNER OF PROPERTY (TRAVERSE STA.#900)

ADDRESS CHART		VILLAGE OF OWEN BROWN			SECT./AREA 5/1	LOT/PARCEL # PARCEL G-4	
LOT NUMBER	STREET ADDRESS	PLAT # OR L/F 8452	BLOCK # 14	ZONE NT	TAX/ZONE MAP 36	ELEC. DIST. 6TH	CENSUS TR. 6061.02
PARCEL G-4	6200 WOODSIDE COURT	WATER CODE			BOND # 5430000		

APPROVED
PLANNING BOARD
of HOWARD COUNTY
DATE 11 April 1990

AS BUILT CERTIFICATE

ARTHUR E. MUEGGE #8707 — DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
COUNTY HEALTH OFFICER — DATE 9-23-93

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
DIRECTOR — DATE 10/13/93
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH — DATE 10/13/93

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR — DATE 9/21/93
CHIEF, BUREAU OF ENGINEERING — DATE 9/20/93

DATE	NO	REVISION
11/5/94	1	ADDED DUMPSTER PAD, REMOVED 6 PARK. SLOTS

OWNER/DEVELOPER:
JEROME M. WILLIAMS
8055-F COLUMBIA 100 PARKWAY
COLUMBIA, MD. 21045

PROJECT: HILLCROFT PROFESSIONAL CENTER
AN OFFICE BUILDING

AREA: VILLAGE OF OWEN BROWN SEC. 5 AREA 1 PARCEL G-4 - A RESUB. OF PARCEL G-1 PLAT NO. 8452 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE: TITLE SHEET

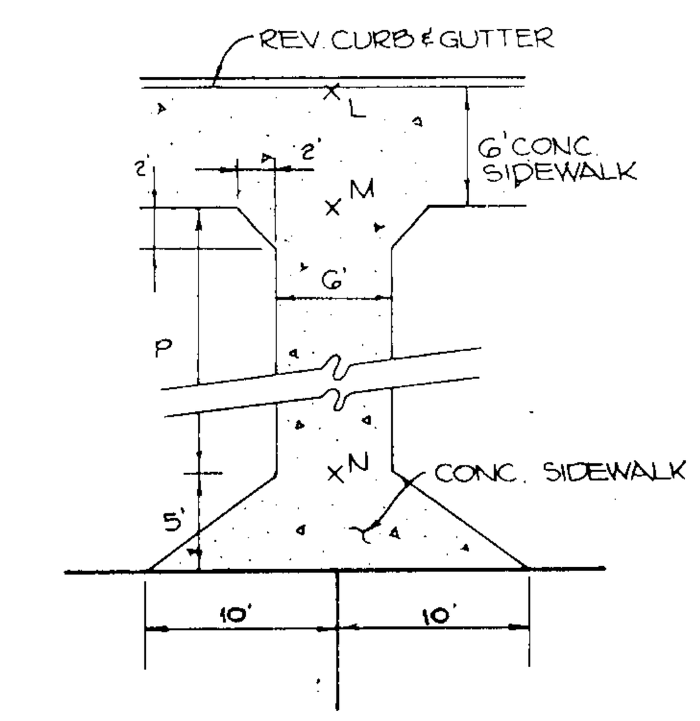
RIEMER, MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
3105 North Ridge Road Ellicott City, Maryland 21043
301-461-2690 FAX: 301-750-3176

9-2-93
DATE

ARTHUR E. MUEGGE #8707

DESIGNED BY: D.D.S.	
DRAWN BY: CADD	
PROJECT NO: 86402	
DATE: SEPTEMBER 2, 1993	
SCALE: AS SHOWN	
DRAWING NO: 1 OF 6	

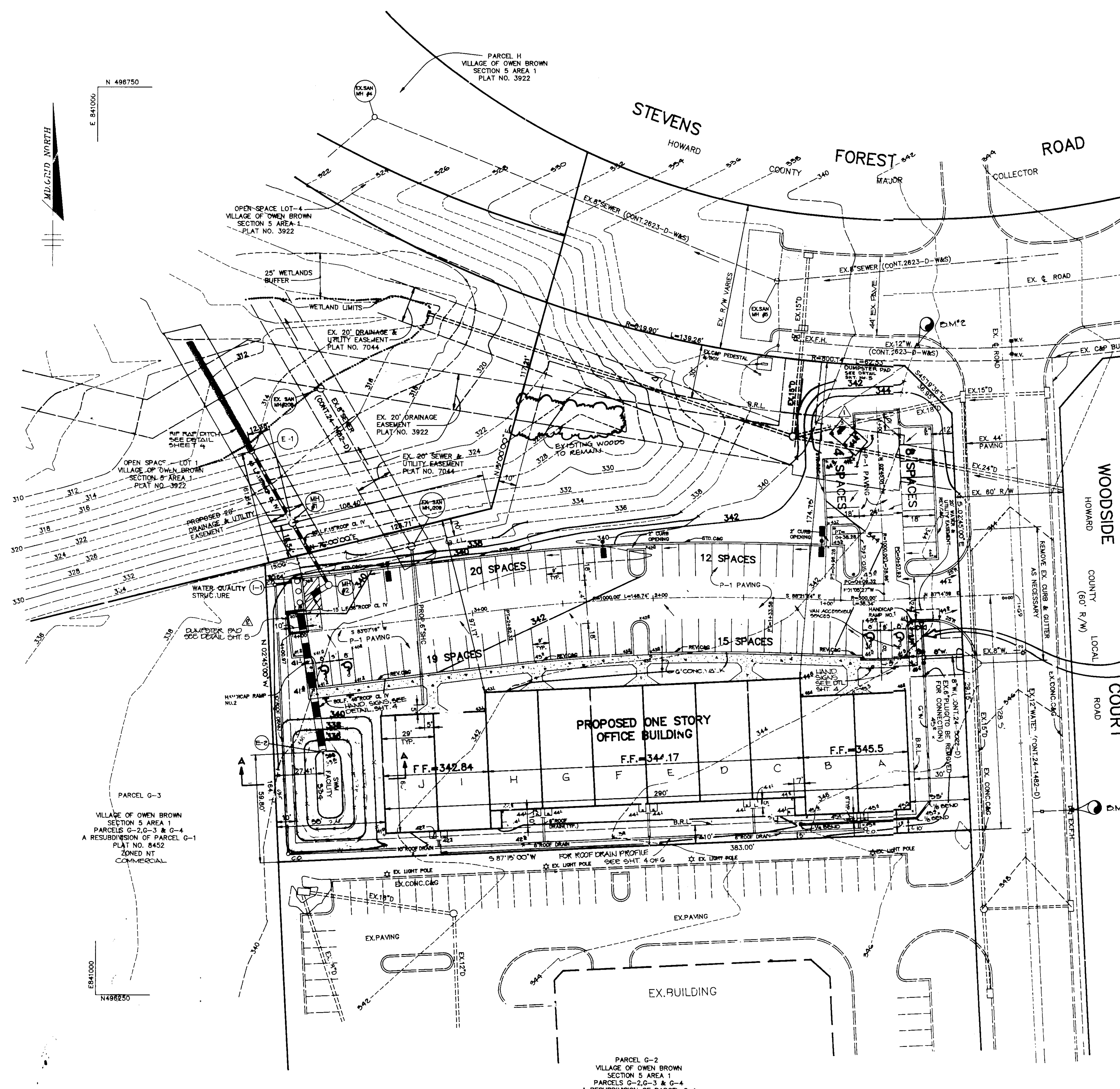
SDP-93-109



ENTRANCE TO BUILDINGS	L(T.C.)	M	N	P
A & B	42^{9}	42^{65}	42^{74}	10'
C & D	43^{6}	43^{74}	44^{07}	4'
E & F	43^{6}	43^{7}	44^{07}	5'
G & H	44^{2}	44^{05}	44^{1}	4'
I & J	44^{85}	44^{25}	45^{4}	5'

SIDEWALK ENTRANCE DETAIL

NO SCALE



PUBLIC WATER LINE AND FIRE HYDRANT TO BE CONSTRUCTED UNDER ADVANCED DEPOSIT AGREEMENT BY HOWARD COUNTY, MARYLAND.

PLAN

SCALE: 1"=30'

LEGEND

- P-1 PAVING
- CONCRETE SIDEWALK
- B.R.L. = BUILDING RESTRICTION LINE
- LIGHTING FIXTURES (SEE DETAIL SHEET 4)
- * DENOTES TRANSITION FROM REVERSE TO STANDARD CURB AND GUTTER.

NOTES

1. ALL RADII ARE 5' UNLESS OTHERWISE NOTED
2. WATER METER TO BE FOR INSIDE SETTING
3. ALL DIMENSIONS ARE FACE OF CURB , FACE OF BUILDING OR CENTERLINE
4. FOR SPOT ELEVATIONS FOR ENTRANCES , SEE ENTRANCE DETAIL, SHEET 4

AS BUILT CERTIFICATE

J. Parekh
JAYKANT ... 148
ARTHUR E. MUEGGE #8707 — DATE 1.26.95

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

COUNTY HEALTH OFFICER — DATE 9-23-93

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

DIRECTOR — DATE 10/13/93

Gina Turrinanji JA
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH — DATE 10/13/93

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR — DATE 9/21/93

CHIEF, BUREAU OF ENGINEERING CD 9/20/93 — DATE 9/20/93

DATE	NO.	REVISION
12-28-95	2	ADDED DUMPSTER PAD
4/15/94	1	ADDED DUMPSTER PAD, REMOVED 2 PARKING SPACES. REVISED (REVERSED ORDER) BLDG. LETTERS.

OWNER/DEVELOPER
JEROME M. WILLIAMS
8835-F COLUMBIA 100 PARKWAY
COLUMBIA, MD. 21045

PROJECT: HILLCROFT PROFESSIONAL CENTER
AN OFFICE BUILDING

AREA: VILLAGE OF OWEN BROWN SEC. 5 AREA 1
PARCEL G-4-A RESUB. OF PARCEL G-1 PLAT No.8452
6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE: SITE DEVELOPMENT PLAN

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
3105 North Ridge Road Ellicott City, Maryland 21043
301-461-2690 FAX: 301-750-3176

APPROVED
PLANNING BOARD
of HOWARD COUNTY
DATE 11 April 1990

9-2-93
DATE

ARTHUR E. MUEGGE #8707

DESIGNED BY: D.P.

DRAWN BY: CADD

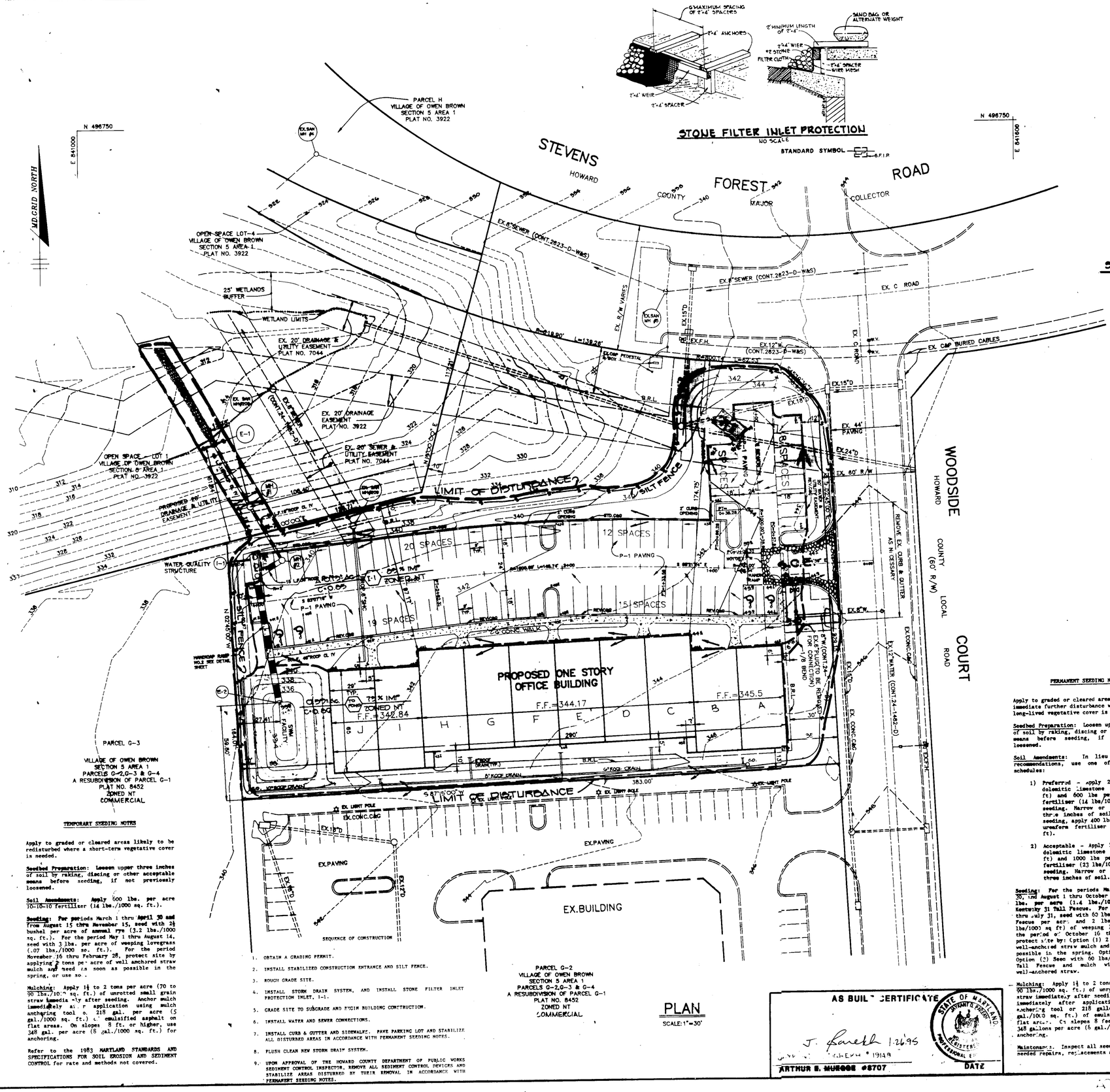
PROJECT NO: 63102

DATE: SEPTEMBER 2, 1993

SCALE: AS SHOWN

DRAWING NO 2 of 3

SDP 90-105



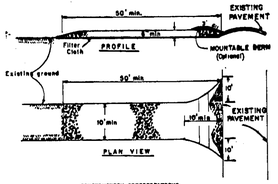
STONE FILTER INLET PROTECTION

NO SCALE

STANDARD SYMBOL — S.F.I.P.

STABILIZED CONSTRUCTION ENTRANCE

NO SCALE

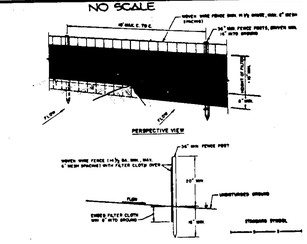


CONSTRUCTION SPECIFICATIONS

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 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.
6. Filter will not be required on a single family residence lot.
7. Surface Water - All surface water flowing or diverted toward construction shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
8. 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.
9. 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.
10. Periodic inspection and needed maintenance shall be provided after each rain.

SILT FENCE

NO SCALE



SECTION

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. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN BULGES DEVELOP IN THE SILT FENCE.

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

FENCE: WOVEN WIRE, 14½ GA. 6" MAX. MESH OPENING

FILTER CLOTH: EITHER WOVEN MONOFILAMENT YARN; OR EQUAL OR APPROVED EQUAL

PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

SILT FENCE

NO SCALE

SEDIMENT CONTROL NOTES

1. A minimum of 24 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction (995-3427).
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, 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	2.0±0 acres
Area Disturbed	1.75± acres
Area to be roofed or paved	1.60± acres
Area to be vegetatively stabilized	0.15± acres
Total Cut	Cu. yds.
Total Fill	1,400± Cu. yds.

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 Department of Public Works Sediment Control Inspector.
10. Site grading will begin only after all perimeter sediment control measures have been installed and are in a functioning condition.
11. Sediment will be removed from traps when its depth reaches the clean out elevation shown on the plans.
12. Cut and fill quantities provided under site analysis do not represent bid quantities. These quantities do not distinguish between topsoil, structural fill or embankment material, nor do they reflect consideration of unsuitable or removal of unsuitable material. The contractor shall familiarize himself with site conditions which may affect the work.

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, if not previously loosened.

Soil Amendments: Apply 600 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.

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, if not previously loosened.

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 sq ft) and 600 lbs per acre 10-10-10 fertiliser (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 fertiliser (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 fertiliser (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 (2) 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.

SEQUENCE OF CONSTRUCTION

1. OBTAIN A GRADING PERMIT.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE AND SILT FENCE.
3. ROUGH GRADE SITE.
4. INSTALL STORM DRAIN SYSTEM, AND INSTALL STONE FILTER INLET PROTECTION INLET, I-1.
5. GRADE SITE TO SUBGRADE AND ENGIN BUILDING CONSTRUCTION.
6. INSTALL WATER AND SEWER CONNECTIONS.
7. INSTALL CURB & GUTTER AND SIDEWALKS. PAVE PARKING LOT AND STABILIZE ALL DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
8. FLUSH CLEAN NEW STORM DRAIN SYSTEM.
9. UPON APPROVAL OF THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES AND STABILIZE AREAS DISTURBED BY THEIR REMOVAL IN ACCORDANCE WITH PERMANENT SEEDING NOTES.

PLAN

SCALE: 1"=30'

AS BUILT CERTIFICATE

I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS CORRECT AS BUILT INFORMATION.

J. Lovett 1-26-95

ARTHUR E. MUEGGE #8707 DATE

STATE OF MARYLAND — ARTHUR E. MUEGGE — No. 8707 — REGISTERED PROFESSIONAL ENGINEER

APPROVED

PLANNING BOARD of HOWARD COUNTY

DATE 11 April 1990

BY THE DEVELOPER:

"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, 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 WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN 'AS-BUILT' PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT."

DEVELOPER — 9/2/93 DATE

BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN 'AS-BUILT' PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION."

ENGINEER — 11.19.89 DATE

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

U.S. SOIL CONSERVATION SERVICE — 9/15/93 DATE

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED John L. Robertson — HOWARD S.C.D. — 9/15/93 DATE

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

COUNTY HEALTH OFFICER — 9-21-93 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

DIRECTOR — 10/13/93 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH — 10/13/93 DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR — 9 20 93 DATE

CHIEF, BUREAU OF ENGINEERING — 9/20/93 DATE

DATE	NO	REVISION
4/15/94	1	ADDED DUMPSTER, REMOVED 2 PARKING SPACES, REVISED BLDG LETTERS.

OWNER/DEVELOPER:
JEROME M. WILLIAMS
8859-F COLUMBIA 100 PARKWAY
COLUMBIA, MD. 21045

PROJECT: HILLCROFT PROFESSIONAL CENTER
AN OFFICE BUILDING

AREA: VILLAGE OF OWEN BROWN SEC. 5 AREA 1
PARCEL G-4-A A RESUB. OF PARCEL G-1 PLAT NO. 8452
6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE: SEDIMENT CONTROL PLAN & DETAILS AND DRAINAGE AREA MAP

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
3105 North Ridge Road Ellicott City, Maryland 21043
301-461-2690 FAX: 301-750-3176

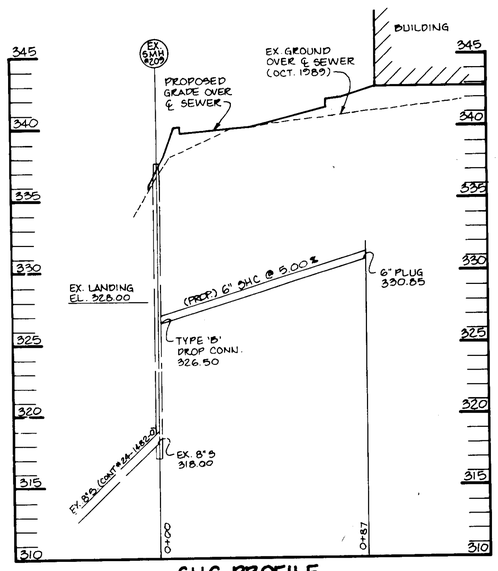
9.2.93 DATE

ARTHUR E. MUEGGE No. 8707

DESIGNED BY	D.B.S.
DRAWN BY	CADD/M.K.
PROJECT NO.	60402
DATE	SEPTEMBER 2, 1993
SCALE	AS SHOWN
DRAWING NO.	3 of 3

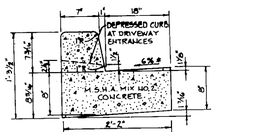
SDP 90-109

MARYLAND BLUEPRINT CO., INC. 1-1-92



SHC PROFILE

SCALE: HOR. 1"=30'
VERT. 1"=5'

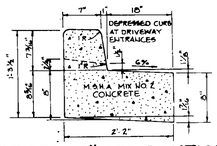


HOWARD COUNTY DESIGN MANUAL VOLUME IV STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-3.01)

* GUTTER PAN AT THE MEDIAN EDGE OF INTERMEDIATE ARTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL BE SLOPED AT THE SAME RATE AS THE PAVEMENT.

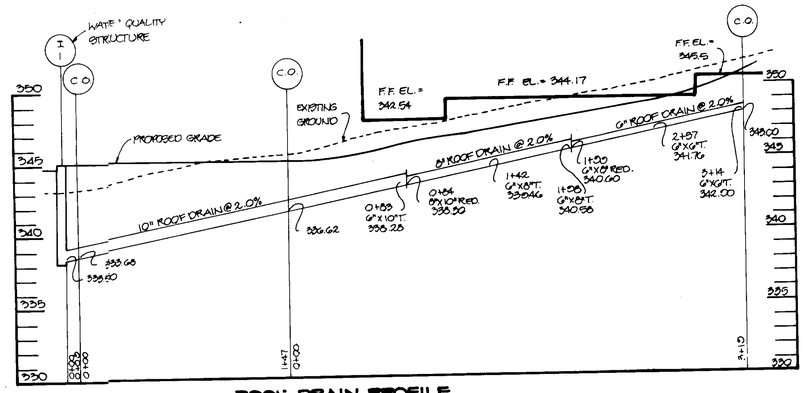
STANDARD 7" COMBINATION CURB AND GUTTER

No Scale



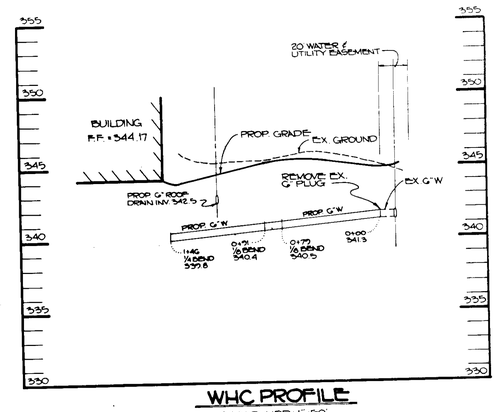
REVERSE 7" COMBINATION CURB AND GUTTER

No Scale



ROOF DRAIN PROFILE

SCALE: HOR. 1"=50'
VERT. 1"=5'



WHC PROFILE

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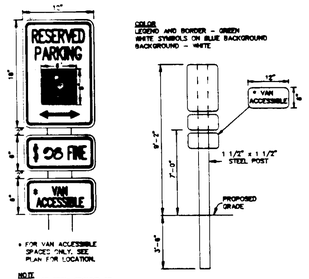
VER. 1"=5'

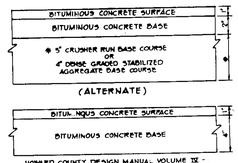


* FOR VAN ACCESSIBLE SPACES ONLY. SEE PLAN FOR LOCATION.

NOTE DISTANCE FROM GROUND TO BOTTOM OF SIGN TO BE 7'.

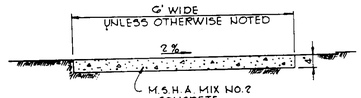
HANDICAP SIGN DETAIL

NO SCALE



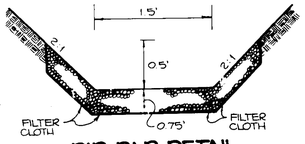
HOWARD COUNTY DESIGN MANUAL VOLUME IV - STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-2.01)

(5" PAVING, P-1)



SIDEWALK DETAIL

No Scale

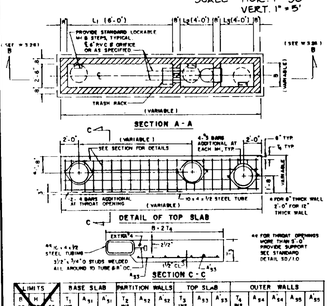


RIP RAP DETAIL

NO SCALE

NO.	TYPE	LOCATION	INV. IN	INV. OUT	TOP ELEV.	REMARKS
I-1	WATER QUALITY STRUCTURE	SEE PLAN	333.21	333.11	340.10	SEE DETAIL, THIS SHEET
E-1	15" CONC. END SECTION	SEE PLAN	—	313.51	—	HO. CO. STD. DETAIL SD 5.52
E-2	48" CONC. END SECTION	SEE PLAN	333.60	—	—	HO. CO. STD. DETAIL SD 5.52
M-1	STD. 4' PRECAST	SEE PLAN	324.40	320.25	330.40	HO. CO. STD. DETAIL G.5.12
M-2	STD. 5' PRECAST	SEE PLAN	333.00	332.00	339.60	SEE DETAIL THIS SHEET & HO. CO. STD. DETAIL G.5.13

ALL DIMENSIONS SHOWN ARE MINIMUM DIMENSIONS.

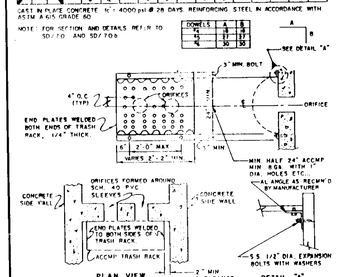


LIMITS		BASE SLAB		PARTITION WALLS		TOP SLAB		OUTER WALLS			
H ft	H ft	T1 ft	T1 ins	T2 ins	T3 ins	T4 ins	T5 ins	T6 ins	T7 ins	T8 ins	T9 ins
5	10	1'-0"	12	12	12	8	12	12	12	12	8
12		1'-6"	18	12	12	8	12	12	12	12	8

CAST IN PLACE CONCRETE f'c = 4000 psi @ 28 DAYS. REINFORCING STEEL IN ACCORDANCE WITH ASTM A 615 GRADE 60

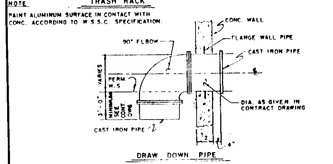
NOTE: FOR SECTION AND DETAILS REFER TO SD 7.10 AND SD 7.09

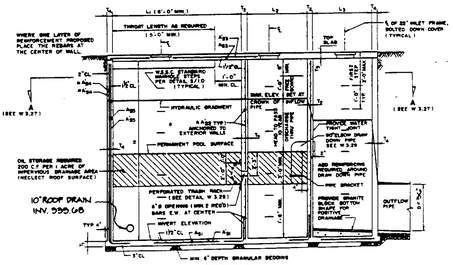
DOWELS	A	B
#3	12	12
#4	12	12
#5	30	30



PLAN VIEW
TRASH RACK

NOTE
PAINT ALUMINUM SURFACE IN CONTACT WITH CONC. ACCORDING TO M.S.S.C. SPECIFICATION





WATER QUALITY STRUCTURES

DESIGN AND GENERAL NOTES:

1. Use poured-in place concrete for the entire structure.
2. Refer to Maryland State Highway Administration for materials and methods of construction.
3. Wall thickness shall be as follows: per Howard County Standard Details W3.26 and W3.27.
4. f'c = 4,000 psi at 28 days
5. All reinforcing steel to be ASTM A615, GR.60.
6. For details concerning throat openings, refer to Howard County Standard Detail SD.4.01.
7. For details not noted in this standard, refer to Howard County Standard Detail SD.4.01, W3.26, W3.27 and W3.38.
8. The top 4 inches of walls may be brick masonry for leveling, if required. Brick masonry shall comply with the latest SHA specification.
9. When grate opening is used, refer to the appropriate SHA Standard for details. Details shall be shown on the plans.
10. When inside width of structure is greater than 4'-00", reinforcing shall be revised as needed.
11. When structure is subject to traffic loading, reinforcing shall be designed for the appropriate traffic loads. Design loads shall be indicated on the plan.
12. All inlets and incoming pipes shall be checked for possible backwater or tailwater problems.

MAINTENANCE NOTES (WATER QUALITY STRUCTURE WASTE)

1. Water Quality Structures will require periodical cleaning. Owners of these facilities will have to clean them as needed or on a frequency that the County determines is appropriate. Owners of water quality structures will be notified by the County of the frequency of maintenance.
2. Maintenance of these facilities will consist of cleaning out the separator and disposal of the waste and the repair of the facility as needed.
3. The disposal of the liquid and solid matter should be as follows:
   A. All liquid material in the separator inlet shall be pumped into a suitable tank truck and disposed of at an approved sanitary district discharge manhole or be taken to an approved sewage treatment plan for discharge.
   B. The solid material shall be landfilled in an approved sanitary landfill.
4. The inlet pipes, trash racks, grates, and structural parts shall be repaired as needed.

CONSTRUCTION NOTES:

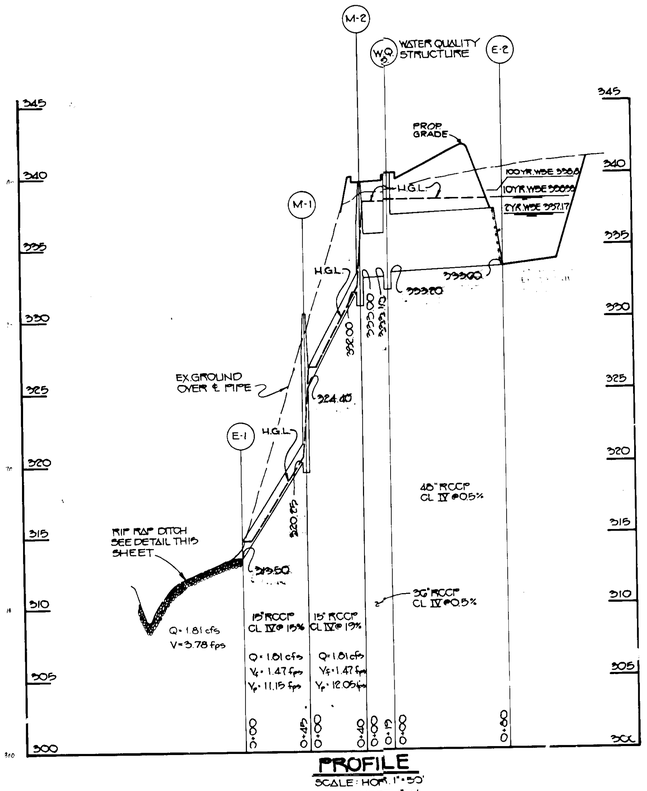
1. Silt and debris shall not be allowed to enter the structures until contributing drainage areas have been permanently stabilized.
2. All openings to structures shall be protected with the appropriate sediment control measures during construction.

INSPECTION NOTES:

1. Prior to start of construction on water quality structures, the Howard County Department of Public Works inspector must be called 48 hours in advance at 992-2630.
2. The Howard County Department of Public Works inspector must be notified (992-2630) at each of the following stages:
   A. Approval of subgrade for footings.
   B. Footing formed and steel set prior to pouring.
   C. Structure sides formed and steel set prior to pouring.
   D. Prior to top slab and manholes being set, Howard County Department of Public Works inspector must check structure and all debris and silt in structure removed.
   E. When site is permanently stabilized and sediment control measures to protect inlet are to be removed.

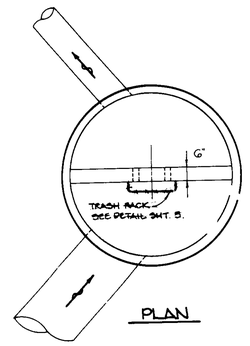
WATER QUALITY STRUCTURE CHART

STRUCT. NUMBER	PAVED AREA (AC.)	OIL STORAGE REQUIRED (CF)	OIL STORAGE PROVIDED (CF)	DIMENSIONS L1	L2	L3	B	H	FLOOR SLAB ELEV.	DRAW DOWN PIPE DIA.	INV.	HYDRAULIC LENGTH IF REQ'D	TOP SLAB ELEV. UP	DOWN	ORIFICE AMOUNT	SIZE
I-1	0.61	122	155	6'-0"	4'-0"	4'-0"	6'-0"	---	332.50	2'-18"	333.00	5'-0"	340.40	340.10	4	10"

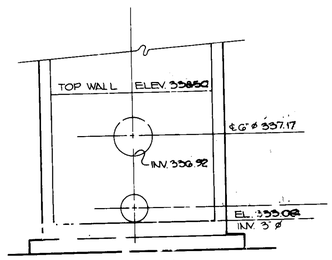


PROFILE

SCALE: HOR. 1"=50'
VERT. 1"=5'



PLAN

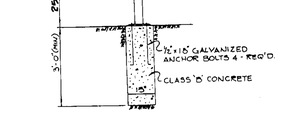


SECTION

MANHOLE M-2 DETAIL

NO SCALE

1. ALL LIGHT FIXTURES TO BE SINGLE LUMINAIRE 400 WATT MERCURY TYPE WITH METAL POLES AND DIRECTED DOWNWARD.
2. LOCATIONS OF LIGHT FIXTURES ARE ON THE PLAN AND ARE SHOWN THUS ●
3. LIGHTS TO BE MODEL B TYPE AS MANUFACTURED BY HOLOCAST OR APPROVED EQUAL.
4. POLE AND FIXTURE TO HAVE BLACK POLYESTER ENAMEL FINISH.
5. POLE TO BE LOCATED 3' BACK FROM BACK OF CURB.



LIGHT POLE DETAIL

NO SCALE

AS BUILT CERTIFICATE

J. Karetli 1.26.95
DATE

ARTHUR E. MUEGGE #9707

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

COUNTY HEALTH OFFICER — 9-23-93 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

DIRECTOR — 10/13/93 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH — 10/13/93 DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR — 9-2-93 DATE

CHIEF, BUREAU OF ENGINEERING — 9/20/93 DATE

APPROVED
PLANNING BOARD of HOWARD COUNTY
DATE 11 April 1990

DATE	NO	REVISION

OWNER/DEVELOPER:
JEROME M. WILLIAMS
8835-F COLUMBIA 100 PARKWAY
COLUMBIA, MD. 21045

PROJECT: HILLCROFT PROFESSIONAL CENTER
AN OFFICE BUILDING

AREA: VILLAGE OF OWEN BROWN SEC. 5 AREA 1
PARCEL G-4-A-1 SUB. OF PARCEL G-1 PLAT NO. 9852
6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE: STORM DRAIN PROFILE AND DETAILS

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
3105 North Ridge Road Ellicott City, Maryland 21043
301-461-2650 FAX: 301-750-3176

9-2-93 DATE

ARTHUR E. MUEGGE #8707

DESIGNED BY: D.B.S.	
DRAWN BY: CADD/M.K.	
PROJECT NO: 86402	
DATE: SEPTEMBER 2, 1993	
SCALE: AS SHOWN	
DRAWING NO. 4 OF 6	

SDP 90-103

SOIL CONSERVATION SERVICE
MARYLAND
CONSTRUCTION SPECIFICATIONS
FOR
POND

These specifications are appropriate to ponds within the scope of the Standard for practice 378.

I. SITE PREPARATION

Areas designated for borrow areas, embankment, and structural works shall be cleared, grubbed and stripped of topsoil. All trees, vegetation, roots and other objectionable material shall be removed. Channel banks and sharp breaks shall be sloped to no steeper than 1:1.

Areas to be covered by the pond or reservoir will be cleared of all trees, brush, logs, fences, rubbish and other objectionable material unless otherwise designated on the plans. Trees, brush and stumps shall be cut approximately level with the ground surface.

All cleared and grubbed material shall be disposed of outside and below the limits of the dam and reservoir as directed by the owner or his representative. When specified, a sufficient quantity of topsoil will be stockpiled in a suitable location for use on the embankment and other designated areas.

II. EARTH FILL

Material

The fill material shall be taken from approved designated borrow area or areas. It shall be free of roots, stumps, wood, rubbish, over size stones, frozen or other objectionable materials. The embankment shall be constructed to an elevation which provides for anticipated settlement to the design elevation. The fill height all along the length of the embankment shall be increased above the design elevation (including freeboard) as shown on the plans.

Placement

Areas on which fill is to be placed shall be scarified prior to placement of fill. Fill materials shall be placed in 8-inch maximum thickness (before compaction) layers which are to be continuous over the entire length of the fill. The most porous borrow material shall be placed in the downstream portions of the embankment.

Compaction

The movement of the hauling and spreading equipment over the fill shall be controlled so that the entire surface of each lift shall be traversed by not less than one tread track of the equipment or compaction shall be achieved by a minimum of four complete passes of a sheepsfoot, rubber tired or vibratory roller. Fill material shall contain sufficient moisture such that the required degree of compaction can be obtained with the equipment used.

Where a minimum required density is specified, each layer of fill shall be compacted as necessary to obtain that density and is to be certified by the Engineer.

Cutoff Trench

Where specified, a cutoff trench shall be excavated along or parallel to the centerline of the embankment as shown on the plans. The bottom width of the trench shall be as shown on the drawings, with the minimum width being four feet. The depth shall be at least four feet or as shown on the plans. The side slopes of a trench shall be 1 to 1 or flatter. The backfill material for the cutoff trench shall be the most impervious material available and shall be compacted with equipment or rollers to assure maximum density and minimum permeability.

III. STRUCTURAL BACKFILL

Backfill material shall be of the type and quality conforming to that specified for the adjoining fill material. The fill shall be placed in horizontal layers not to exceed four inches in thickness and compacted by hand tampers or other compaction equipment. The material needs to fill completely all spaces under and adjacent to the pipe. At no time during the backfilling operation shall driven equipment be allowed to operate closer than four feet, measured horizontally, to any part of a structure. Under no circumstances shall equipment be driven over any part of a concrete structure or pipe unless there is a compacted fill of twenty-four inches or greater over the structure or pipe.

IV. PIPE CONDUITS

All pipes shall be circular in cross section.

A. Corrugated Metal Pipe

1. Materials - (Steel Pipe) - This pipe and its appurtenances shall be galvanized and fully bituminous coated and shall conform to the requirements of AASHTO Specification M-190 Type A with watertight coupling bands. Any bituminous coating damaged or otherwise removed shall be replaced with cold applied bituminous coating compound.

2. Connections - All connections with pipes must be completely watertight. The drain pipe or barrel connection to the riser shall be welded all around when the pipe and riser are metal. Watertight coupling bands or flanges shall be used at all joints. Anti-seep collars shall be connected to the pipe in such a manner as to be completely watertight. Dimple bands are not considered to be watertight.

3. Bedding - The pipe shall be firmly and uniformly bedded throughout its entire length. Where rock or soft, spongy or other unstable soil is encountered, all such material shall be removed and replaced with suitable earth compacted to provide adequate support.

4. Laying pipe - The pipe shall be placed with inside circumferential laps pointing downstream and with the longitudinal laps at the sides.

5. Backfilling shall conform to structural backfill as shown above.

6. Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings.

B. Reinforced Concrete Pipe

1. Materials - Reinforced concrete pipe shall have a rubber gasket joint and shall equal or exceed ASTM Specification C-361. An approved equivalent is AWWA Specification C-301.

2. Bedding - All reinforced concrete pipe conduits shall be laid in a concrete bedding for their entire length. This bedding shall consist of high slump concrete placed under the pipe and up the sides of the pipe at least 1OI of its outside diameter with a minimum thickness of 3", or as shown on the drawings.

3. Laying pipe - Bell and spigot pipe shall be placed with the bell end upstream. Joints shall be made in accordance with recommendations of the manufacturer of the material. After the joints are sealed for the entire line, the bedding shall be placed so that all spaces under the pipe are filled. Care shall be exercised to prevent any deviation from the original line and grade of the pipe.

4. Backfilling shall conform to structural backfill as shown above.

5. Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings.

C. For pipes of other materials, specific specifications shall be shown on the drawings.

V. CONCRETE

1. Materials

a. Cement - Normal Portland cement shall conform to the latest ASTM Specification C-150.

b. Water - The water used in concrete shall be clean, free from oil, acid, alkali, scales, organic matter or other objectionable substances.

c. Sand - The sand used in concrete shall be clean, hard, strong and durable, and shall be well graded with 100 percent passing 4 one-quarter inch sieve. Limestone sand shall not be used.

d. Coarse Aggregate - The coarse aggregate shall be clean, hard, strong and durable, and free from clay or dirt. It shall be well graded with a maximum size of one and one-half (1-1/2) inches.

e. Reinforcing Steel - The reinforcing steel shall be deformed bars of intermediate grade billet steel or rail steel conforming to ASTM Specification A-615.

2. Design Mix - The concrete shall be mixed in the following proportions, measured by weight. The water-cement ratio shall be 5-1/2 to 6 U.S. Gallons of water per 94 pound bag of cement. The proportion of materials for the trial mix shall be 1:2:3-1/2. The combination of aggregates may be adjusted to produce a plastic and workable mix that will not produce honeycombing in placing or honeycombing in the structure.

3. Mixing - The concrete ingredients shall be mixed in batch mixers until the mixture is homogeneous and of uniform consistency. The mixing of each batch shall continue for not less than one and one-half minutes after all the ingredients, except the full amount of water, are in the mixer. The minimum mixing time is predicted on proper control of the speed of rotation of the mixer and of the introduction of the materials, including water, into the mixer. Water shall be added prior to, during, and following the mixer-charging operations. Excessive overmixing requiring the addition of water to preserve the required concrete consistency shall not be permitted. Truck mixing will be allowed provided that the use of this method shall cause no violation of any applicable provisions of the specifications given here.

4. Forms - The forms shall have sufficient strength and rigidity to hold the concrete and to withstand the necessary pressure, tamping, and vibration without deflection from the prescribed lines. They shall be mortar-tight and constructed so that they can be removed without hammering or prying against the concrete.

The inside of forms shall be oiled with a non-staining mineral oil or thoroughly wetted before concrete is placed.

Forms may be removed 24 hours after the placement of concrete. All wire ties and other devices used shall be recessed from the surface of the concrete.

5. Reinforcing Steel - All reinforcing material shall be free of dirt, rust, scale, oil, paint or any other coatings. The steel shall be accurately placed and securely tied and blocked into position so that no movement of the steel will occur during placement of concrete.

6. Consolidating - Concrete shall be consolidated with internal type mechanical vibrators. Vibration shall be supplemented by spading and hand tamping as necessary to insure smooth and dense concrete along form surfaces, in corners, and around embedded items.

7. Finishing - Defective concrete, honeycombed areas, voids left by the removal of tie rods, ridges on all concrete surfaces permanently exposed to view or exposed to water on the finished structure, shall be repaired immediately after the removal of forms. All voids shall be reamed and completely filled with dry-patching mortar.

8. Protection and Curing - Exposed surfaces of concrete shall be protected from the direct rays of the sun for at least the first three (3) days. All concrete shall be kept continuously moist for at least ten (10) days after being placed. Moisture may be applied by spraying or sprinkling as necessary to prevent the concrete from drying. Concrete shall not be exposed to freezing during the curing period. Curing compounds may also be used.

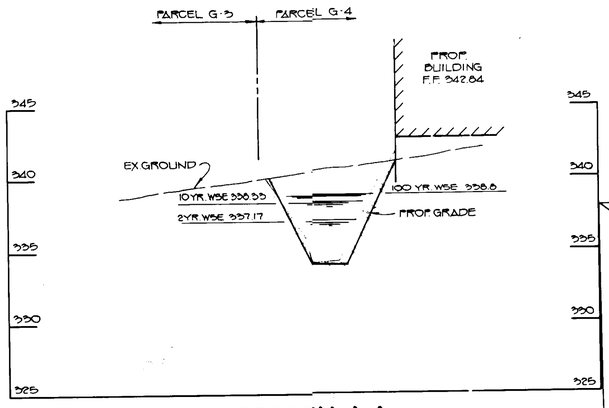
9. Placing Temperature - Concrete may not be placed at temperatures below 35° F with the temperature falling, or 34° with the temperature rising.

VI. STABILIZATION

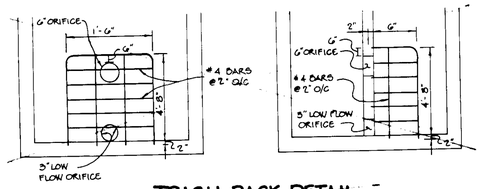
All borrow areas shall be graded to provide proper drainage and left in a slightly condition. All exposed surfaces of the embankment, spillway, spoil and borrow areas, and berms shall be stabilized by seeding, liming, fertilizing and mulching (if required) in accordance with the vegetative treatment specifications or as shown on the accompanying drawings.

VII. EROSION AND SEDIMENT CONTROL

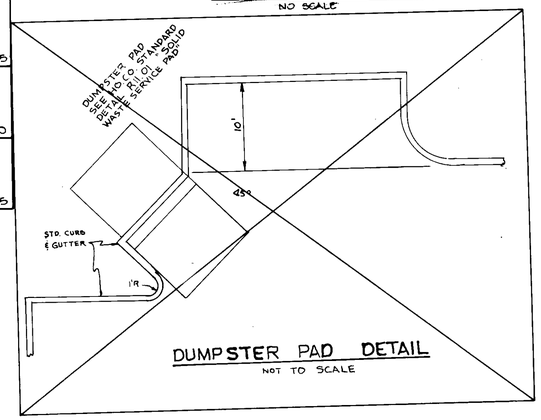
Construction operations will be carried out in such a manner that erosion will be controlled and water and air pollution minimized. State and local laws concerning pollution abatement will be followed. Construction plans shall detail erosion and sediment control measures to be employed during the construction process.



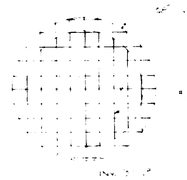
SECTION A-A
SCALE: HOR. 1"=30'
VERT. 1"=5'

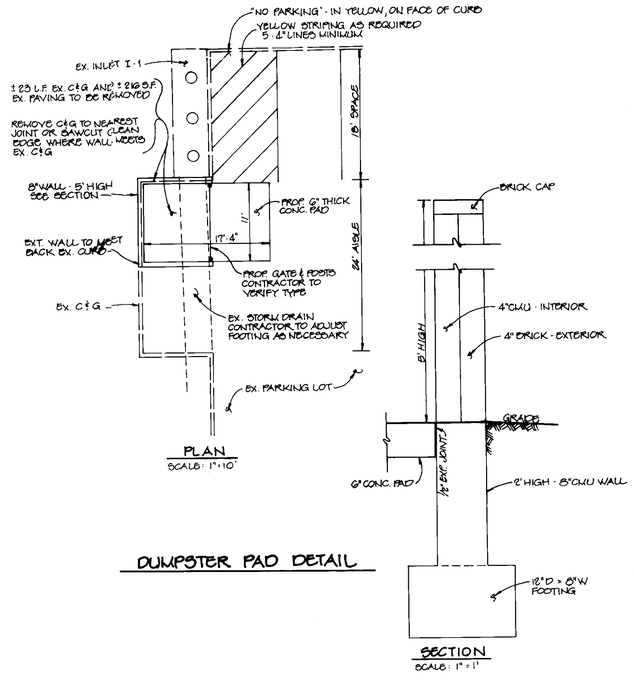


TRASH RACK DETAIL
NO SCALE



DUMPSTER PAD DETAIL
NOT TO SCALE





DUMPSTER PAD DETAIL

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 11 April 1990

AS BUILT CERTIFICATION

J. Garrett 1-26-95
[illegible] 13148
DATE

ARTHUR E. MUEGGE #8707

BY THE DEVELOPER:

"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, 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 WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN 'AS-BUILT' PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT."

DEVELOPER — 9/2/93 DATE

BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN 'AS-BUILT' PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION."

ENGINEER — 11-9-89 DATE

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

U.S. SOIL CONSERVATION SERVICE — 9/15/93 DATE

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED HOWARD S.C.D. — 9/15/93 DATE

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

COUNTY HEALTH OFFICER — 9.23.93 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

DIRECTOR — 10/13/93 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH — 10/13/93 DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR — 9.21.93 DATE

CHIEF, BUREAU OF ENGINEERING — 9/20/93 DATE

DATE	NO.	REVISION
12-20-93	2	ADDED DUMPSTER PAD DETAIL. DELETED DUMPSTER PAD DETAIL.
4/15/94	1	ADDED DUMPSTER PAD DETAIL.

OWNER/DEVELOPER

JEROME M. WILLIAMS
8055-F COLUMBIA 100 PARKWAY
COLUMBIA, MD. 21045

PROJECT: HILLCROFT PROFESSIONAL CENTER
5 ± OFFICE BUILDING

AREA VILLAGE OF OWEN BROWN SEC. 5 AREA 1
PARCEL G-4 & RESUB. OF PARCEL A-1 PLAT NO. 6452
6TH ELECTION DISTRICT HOWARD COUNTY MARYLAND

TITLE: S.W.M. NOTES & DETAILS

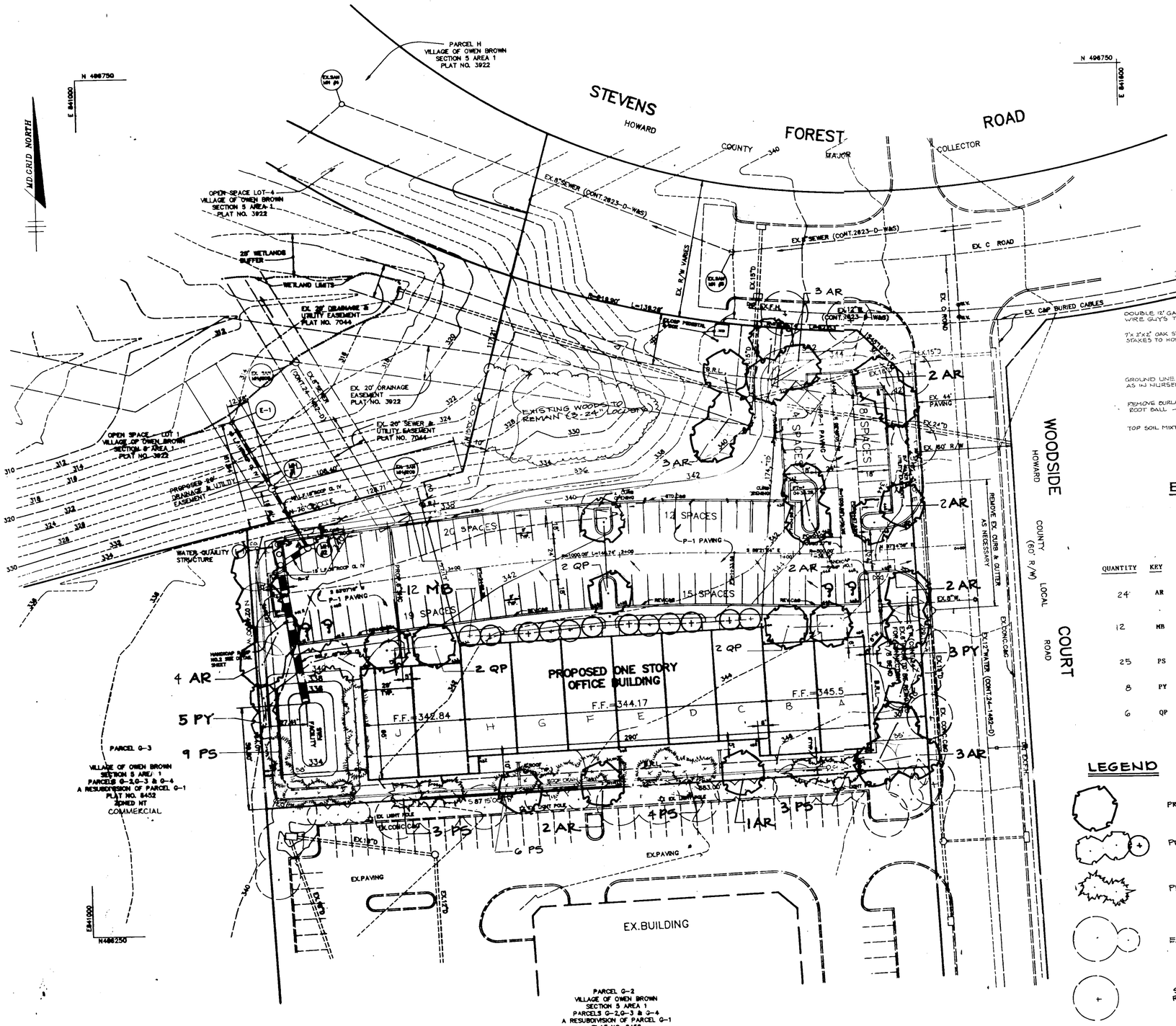
RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
3105 North Ridge Road Ellicott City, Maryland 21043
301-461-2655 FAX: 301-750-3176

9.2.93 DATE

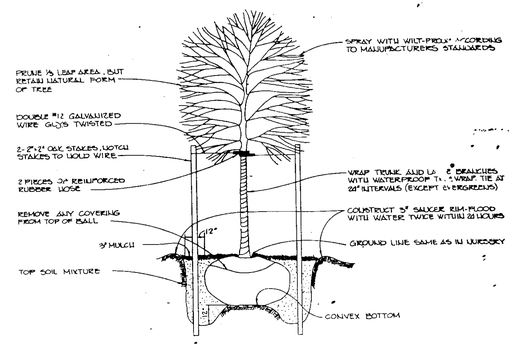
ARTHUR E. MUEGGE #8707

DESIGNED BY: DBS	
DRAWN BY: RMA	
PROJECT NO: 93402	
DATE: SEPTEMBER 2, 1993	
SCALE: AS SHOWN	
DRAWING NO. 5 OF 6	

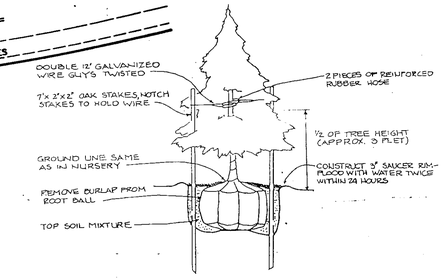
SDP 90-100



PLAN
SCALE: 1"=30'



TREE PLANTING DETAIL N.T.S.



EVERGREEN PLANTING DETAIL N.T.S.

PLANT LIST

QUANTITY	KEY	NAME	SIZE	REMARKS
24	AR	ACER RUBRUM 'October Glory' October Glory Red Maple	2½-3" Cal. 12-14' Ht.	B & B Full Crown
12	MB	MALUS BACCATA 'Columnaris' Columnar Siberian Crabapple	2-2½" Cal. 8-10' Ht.	B & B
25	PS	PINUS STROBUS White Pine	2-2½" Cal. 6-8' Ht.	B & B Natural
8	PY	PRUNUS YEDOENSIS Yoshino Cherry	2-2½" Cal. 8-10' Ht.	B & B
6	QP	QUERCUS PALUSTRIS Pin Oak	2½-3" Cal. 12-14' Ht.	B & B Full Crown

LEGEND

PROPOSED SHADE TREE

PROPOSED FLOWERING TREE

PROPOSED EVERGREEN

EX. TREES - ADJACENT SITE

STREET TREE PER ROAD DRAWINGS

NOTE: THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL FOR NEW TOWN ALTERNATIVE COMPLIANCE.

FINANCIAL SURETY FOR THE PROVIDED 76 LANDSCAPE TREES IN THE AMOUNT OF $7,600.00 IS PART OF THE GRADING AGREEMENT

APPROVED
PLANNING BOARD
of HOWARD COUNTY
DATE 11 April 1990

10-19-94 | 3 | REV. PLANT LIST & PLAN
DATE | NO. | REVISION

AS BUILT CERTIFICATE

ARTHUR E. MUEGGE #8707 — DATE

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

COUNTY HEALTH OFFICER — 9-23-93 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

DIRECTOR — 10/13/93 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH — 10/13/93 DATE

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

DIRECTOR — 9-2-93 DATE

CHIEF, BUREAU OF ENGINEERING — 9/20/93 DATE

4/15/94 | 2 | ADDED DUMPSTER PAD, REMOVED 2 PARKING SPACES, REVISED BUFF LETTERING ORDER
4/30/93 | 1 | REV. PLANT LIST
DATE | NO. | REVISION

OWNER/DEVELOPER
JEROME WILLIAMS
6655 F COLUMBIA 100 PARKWAY
COLUMBIA, MD 21045

PROJECT: HILLCROFT PROFESSIONAL CENTER
AN OFFICE BUILDING

AREA: VILLAGE OF OWEN BROWN SEC. 5 AREA 1
PARCEL G-4-A RESUB. OF PARCEL G-1 PLAT NO. 8452
6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE: LANDSCAPE PLAN

REMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
3105 North Ridge Road Ellicott City, Maryland 21043
301-461-2600 FAX: 301-750-3176

9-6-93
DATE

DESIGNED BY: Z.L.K.
DRAWN BY: Z.L.K.
PROJECT NO: 66402
DATE: SEPTEMBER 2, 1993
SCALE: AS SHOWN
DRAWING NO. G-4-6

Melanie Moser
MELANIE MOSER #551

SDP 90-103