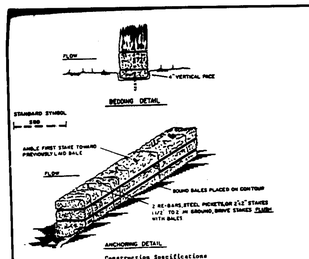
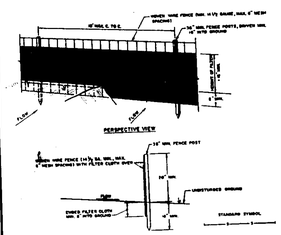


Construction Specifications

1. Straw bale dikes must be embedded, or keyed in, at least 4 inches into the ground. The hay-in trench can be excavated by hand or by machine.
2. Bales shall be placed in the hay-in trench so that adjacent bales are tightly abutting end the bindings on the bale are horizontal and above ground level.
3. Two wooden stakes or re-bars per bale shall be used to anchor the dike in place. The stakes or re-bars must at least be 36 inches long and driven through the bales to a depth of 1 1/2 to 2 feet into the ground, and flush with the top of the bale. The first stake shall be driven at an angle toward the previously laid bale, so that the bales are forced together. There should be no gaps between or under the bales.
4. Straw bale dikes must be inspected periodically and after each rain event and maintenance performed as necessary.

STRAW BALE DIKE

NOT TO SCALE

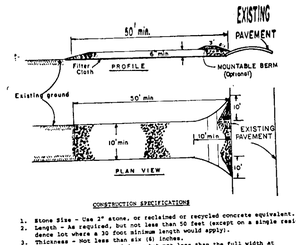


Construction Specifications

1. Silt fences must be embedded, or keyed in, at least 8 inches into the ground. Laying the lower edge of the filter fabric on the ground and covering it with soil is not an acceptable method of keying in. The hay-in trench can be excavated by hand or by ditching equipment. After the silt fence is constructed, the trench must be backfilled and compacted.
2. Fence posts must be:
   a. at least 36 inches long, and
   b. have a cross sectional area of at least 3 square inches if wooden, or
   c. weigh at least 1 pound per linear foot if steel T or U type, and
   d. on 10 foot maximum centers, and
   e. driven at least 16 inches into the ground.
3. The filter fabric must be fastened securely to the fence posts.
4. When two sections of filter fabric are joined together, the joint must occur at a fence post. The ends of the filter fabric should be overlapped by at least 6 inches, folded, and fastened to the fence post so that no gaps in the fence occur. Manufacturer's recommendations for joining fabric sections may be followed as long as the resulting joint does not create gaps in the silt fence.
5. Silt fences must be inspected periodically and after each rain event and maintenance performed as necessary.

SILT FENCE

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 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. 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.

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

PERMANENT SEEDING NOTES:

APPLY TO GRADED OR CLEARED AREA 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 SCHEDULE:

1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQUARE FT) AND 900 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.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.

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 DATS 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:

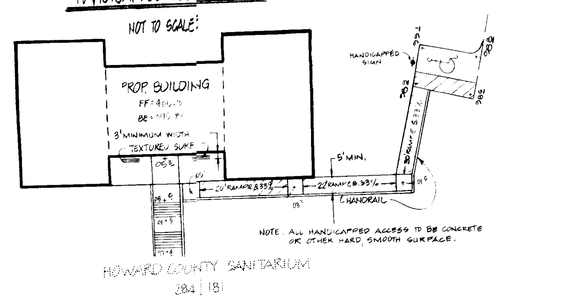
TOTAL AREA OF SITE	4.9	ACRES
AREA DISTURBED	2.41	ACRES
AREA TO BE ROOFED OR PAVED	0.11	ACRES
AREA TO BE VEGETATIVELY STABILIZED	2.31	ACRES
TOTAL CUT	1108.25	CU.YDS.
TOTAL FILL	1475.27	CU.YDS.
OFFSITE WASTE/BORROW AREA LOCATION		

8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

5-10-89

HANDICAPPED RAMP DETAIL

NOT TO SCALE

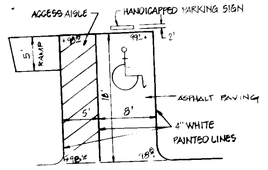


NOTE: ALL HANDICAPPED ACCESS TO BE CONCRETE OR OTHER HARD SMOOTH SURFACE.

HOWARD COUNTY SANITARIUM
2B4 | 181
5.26 AC
ZONED: R-20

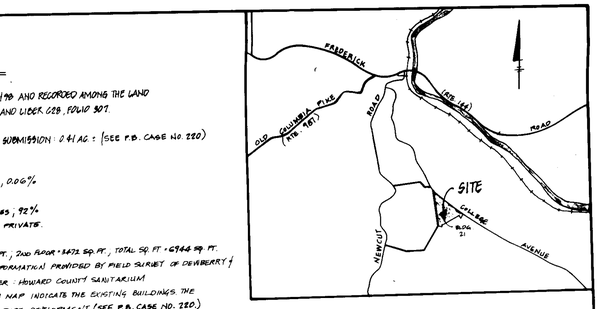
HANDICAPPED PARKING DETAIL

NOT TO SCALE



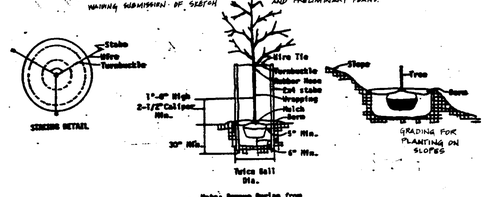
GENERAL NOTES

1. PROPERTY IS LOCATED ON TAX MAP 25, PARCELS 74 & 93 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY AS LIBER 228, FOLIO 181 AND LIBER 228, FOLIO 307.
2. PRESENT ZONING OF PROPERTY IS P.O.R.
3. TOTAL AREA OF PARCELS : 13.8 AC. ; TOTAL AREA OF SUBMISSION : 2.41 AC : (SEE P.B. CASE NO. 220)
4. PROPOSED SITE USE : RESIDENCE : 16 PERSONS
5. EXISTING BUILDING COVERAGE = 2.77 ACRES , 2%
6. PROPOSED BUILDING COVERAGE = 3471 S.F. , 0.08AC , 0.06%
7. TOTAL BUILDING COVERAGE = 2.86 ACRES , 2.06 %
8. OPEN SPACE (GREEN AREA) TO REMAIN = 128.27 ACRES , 92%
9. ALL ONSITE DRIVEWAYS AND PARKING AREAS ARE PRIVATE.
10. NO ADDITIONAL PARKING IS REQUIRED.
11. AREA OF PROPOSED ADDITION : 1ST FLOOR : 3472 SQ.FT. , 2ND FLOOR = 3472 SQ.FT. , TOTAL SQ. FT. = 6944 SQ. FT.
12. TOPOGRAPHY SHOWN HEREON IS BASED ON FIELD INFORMATION PROVIDED BY FIELD SURVEY OF DEWBERRY & DAVIS ADDITIONAL TOPOGRAPHY BY OWNER / DEVELOPER . HOWARD COUNTY SANITARIUM
13. BUILDINGS SHOWN ON DRAINAGE AREA AND LOCATION MAP INDICATE THE EXISTING BUILDINGS. THE PROPOSED BUILDING AND ALL KNOWN PROPOSED FUTURE DEVELOPMENT. (SEE P.B. CASE NO. 220.)
14. CONTRACTOR TO FIELD LOCATE ALL UNDERGROUND UTILITY LINES AND MAKE ALL UTILITY RELOCATIONS PRIOR TO CONSTRUCTION.
15. REFER TO WP-88-90 DATED JAN. 18, 1988 FOR WAIVER OF SECTIONS 16-119 & 16-120 WAIVING SUBMISSION OF SKETCH AND PRELIMINARY PLANS.



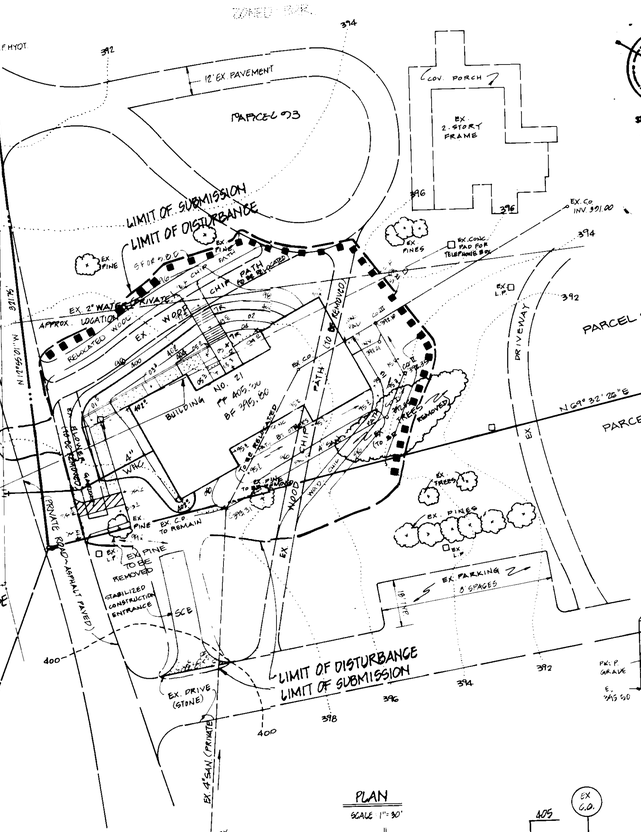
VICINITY MAP

SCALE 1" = 2000'



TREE PLANTING DETAIL

NOT TO SCALE

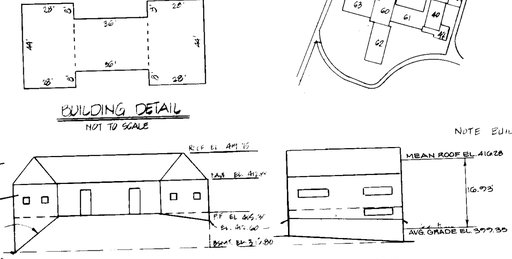


APPROXIMATE LOCATION OF UNDERGROUND TELEPHONE SERVICE TO BE RELOCATED PRIOR TO CONSTRUCTION.

NOTE: SWM FOR THIS IMPROVEMENT IS PROVIDED BY THE EX. SWM. POND UNDER SDP-88-90 BECAUSE THE DISCHARGE FROM THIS AREA WILL BE CONVEYED OVER LAND FOR ABOUT 900 FT. INTO THE SWM POND. NO WATER QUALITY IS NEEDED.

PLAN

SCALE 1" = 30'



BUILDING DETAIL

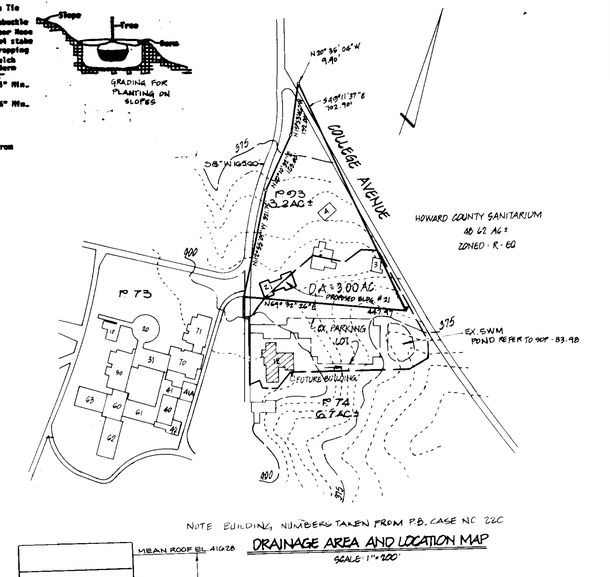
NOT TO SCALE

FRONT ELEVATION

NOTE: BUILDING HAS 1' ROOF EAVE AROUND PERIMETER

SIDE ELEVATION

NOT TO SCALE



NOTE BUILDING NUMBERS TAKEN FROM P.B. CASE NO. 220

DRAINAGE AREA AND LOCATION MAP

SCALE 1" = 200'

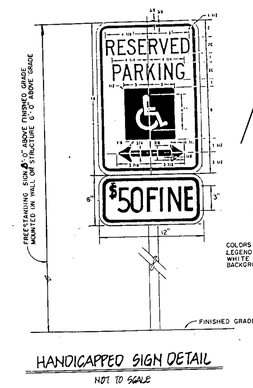
ADDRESS CHART	
PARCEL NO.	STREET ADDRESS
74	4080 COLLEGE AVENUE
93	4080 COLLEGE AVENUE

CONSTRUCTION SEQUENCE

1. OBTAIN BUILDING AND GRADING PERMIT.
2. NOTIFY THE HOWARD COUNTY BUREAU OF LICENSES, INSPECTIONS AND PERMITS 24 HOURS PRIOR TO GRADING OPERATIONS
3. INSTALL S.C.E. AND SEDIMENT CONTROL MEASURES. ROUGH GRADE. INSTALL UTILITIES. APPLY TEMP. STABILIZATION
4. CONSTRUCT ADDITION.
5. FINE GRADE. APPLY PERMANENT STABILIZATION.
6. OBTAIN APPROVAL OF THE HOWARD COUNTY BUREAU OF LICENSES, INSPECTIONS AND PERMITS.

BUILDING HEIGHT CALCULATION

MEAN HEIGHT BETWEEN EAVE & RIDGE	=	416.28
AVERAGE GRADE	=	399.35
BUILDING HEIGHT	=	16.93'

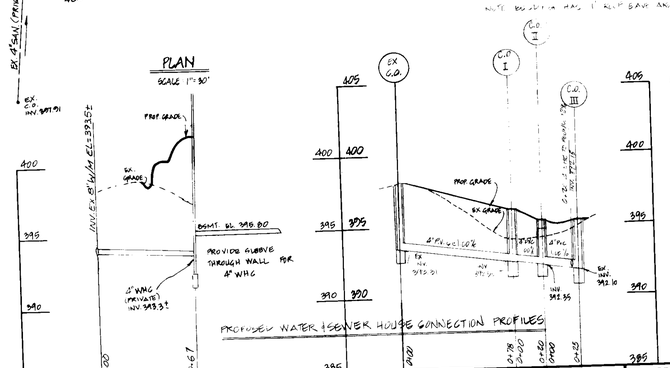


▲ REDUCE SPACING 50%
★★ SEE PAGE 1686 FOR SYMBOL DESIGN

COLORS
LEGEND AND BORDERS - GREEN
WHITE SYMBOL ON BLUE BACKGROUND
BACKGROUND - WHITE

HANDICAPPED SIGN DETAIL

NOT TO SCALE



BUILDING ADDITION TO SDP 87-129
O.P. B. & I FILE NOS : VP-84-93 , BA-84-28-V
PB-172 , PB-174
PB-220
SDP-88-03

OWNER & DEVELOPER

HOWARD COUNTY SANITARIUM
P.O. BOX 996
COLLEGE AVENUE
ELLICOTT CITY, MARYLAND 21043

Dewberry & Davis
ARCHITECTS ENGINEERS PLANNERS SURVEYORS
3300 N. Ridge Road
Suite 100
Ellicott City, Maryland
21043
(301) 461-7478 BALTIMORE
(301) 621-4970 WASHINGTON

ENGINEER'S CERTIFICATE

I HEREBY 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF ENGINEER — DATE 5-20-89

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 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 OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

SIGNATURE OF DEVELOPER — DATE 6/2/89

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

SOIL CONSERVATION SERVICE — DATE 6/6/89

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

APPROVED:

HOWARD SOIL CONSERVATION DISTRICT — DATE 6/6/89

APPROVED: OFFICE OF PLANNING AND ZONING

PLANNING DIRECTOR — DATE 6.26.89

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT — DATE

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

HEALTH OFFICER — DATE 6-14-89

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER AND SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

DIRECTOR, PUBLIC WORKS — DATE

CHIEF, BUREAU OF ENGINEERING — DATE

SUBDIVISION NAME			SECTION/AREA	PARCEL NUMBER	
TAYLOR MANOR HOSPITAL			N/A	74 AND 93	
PLAT NO.	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR
L. 201, F. 181 L. 228, F. 307	20	P.O.R.	25	2 NO	6028
WATER CODE	F 05		SEWER CODE	W00200	

SITE DEVELOPMENT PLAN

TAYLOR MANOR HOSPITAL

BUILDING NO. 21

2ND ELECTION DISTRICT — HOWARD COUNTY, MARYLAND

TAX MAP : 25 — PARCEL : 74 AND 93

SCALE : 1" = 30' — DATE : AUGUST, 1987

REVISED: DECEMBER 11, 1987
SHEET 1 OF 1

SDP-002 EC

S.D.P.-88-47

5