

VICINITY MAP
1:2,000

SPECIAL NOTE:
Due to the infestation of goldfish in the existing pond, the following requirements shall be addressed by the contractor:
A. Contractor to construct sump barrel for straining water discharge from the pond sump barrel shall be min. 50 gallon size perforated with max 1/2" holes spaced a min. 1/4" to 5/8" wrap barrel with wire mesh with max mesh opening of 1/4".
B. Sump pump inlet hose shall have a strainer over inlet with a max mesh opening of 1/4".
C. Sump pump inlet hose to be placed in sump pump barrel at all times pump is in operation.
D. Noxious wildlife, as designated by the Maryland Department of Natural Resources (Goldfish, etc.) shall be contained on site and disposed of.

KAISER-AETNA
581/281
Zoned M-2

NOTE 2:
A. Contractor has the option of using an approved fishery chemical (pesticide) prior to pumping water from the pond.
B. A hazardous materials permit must be obtained by the contractor from the Maryland Department of the Environment.
C. The water level of the pond should be lowered slightly, if needed by the contractor prior to application of the pesticide to avoid discharge into receiving waters before detoxification occurs.
D. The contractor must wait at least five (5) days after the application of chemicals before pumping water from the pond.

SITE TABULATIONS

GROSS AREA OF PROPERTY	2.78 ACS / 118,919 SF
*LIMITS OF SUBMISSION	0.138 ACS / 6,011 SF
PRESIDENT ZONING	M-2
GROSS BUILDING COVERAGE	57%
GROSS BUILDING AREA	44,000 SF
OPEN SPACE PROVIDED	26.97%
PARKING REQUIRED TOTAL (2 PER LOADING BAY)	24 SPCS
PARKING PROVIDED TOTAL	28 SPCS
HANDICAP	3 SPCS
PAVED AREA	44,190 SF

NOTE: REASON FOR THIS REVISION IS TO CONVERT THE EXISTING INFILTRATION SWM BASIN INTO A SWM DETENTION FACILITY.

0.138 AC LIMITS OF SUBMISSION ARE FOR GRADING AND STORM DRAIN INSTALLATION ONLY.

ROUTE 100 BUSINESS PARK
BLOCK A PARCEL A
24/14
Zoned M-2

KAISER-AETNA
581/281
Zoned M-2

KAISER-AETNA
581/281
Zoned M-2

LOCATION MAP
SCALE: 1"=20'

ADDRESS CHART

PARCEL NO.	STREET ADDRESS
D	6650 SANTA BARBARA ROAD
SUBDIVISION NAME: ROUTE 100 BUSINESS PARK	
SECTION/AREA: BLOCK A	
LOT/PARCEL: D	
PLAT: 26/1	BLOCK: 24
ZONE: M-2	TAX/ZONE MAP: 37
ELECT DIST: 1ST	CENSUS TR: 6012
WATER CODE:	SEWER CODE:

REVISION TO SDP-85-45
CONVERSION OF EXISTING INFILTRATION BASIN TO SWM DETENTION FACILITY

OWNER/DEVELOPER RTE. 100 LTD. PARTNERSHIP 51 MONROE ST. SUITE 702 ROCKVILLE, MD. 20850 (301) 424-5103	
REVISIONS 6/24/88	SCALE AS NOTED
RTE. 100 BUSINESS PARK BLOCK A PARCEL D 6650 SANTA BARBARA RD. TAX MAP 37 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	DRAWN CLS PROJ NO 9051 DATE 9/28/87 CHECKED MAM DATE 9/28/87 1 SHEET OF 3

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUN
DATE 12-23-87

JOHN M. CHRISTMAN, PE
STATE OF MARYLAND
#157 NO 14889

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
3-3-88
COUNTY HEALTH OFFICER

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
3-16-88
PLANNING DIRECTOR

APPROVED DIVISION OF COMMUNITY
PLANNING AND LAND DEVELOPMENT
3/16/88

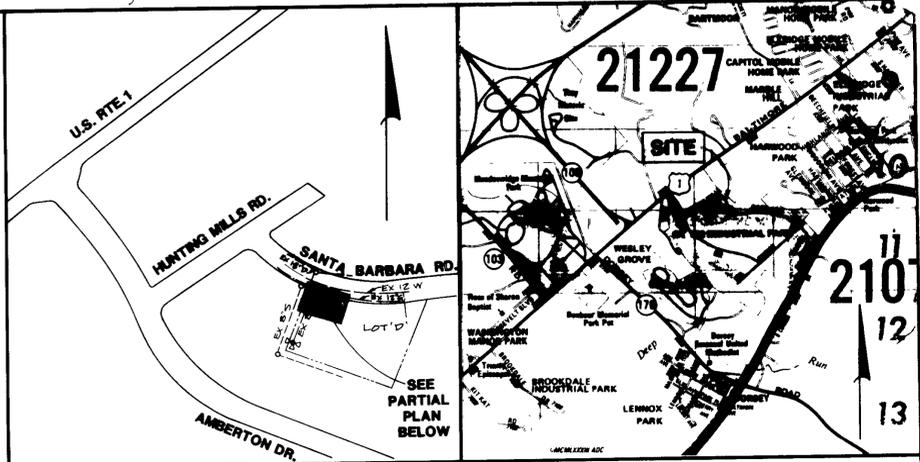
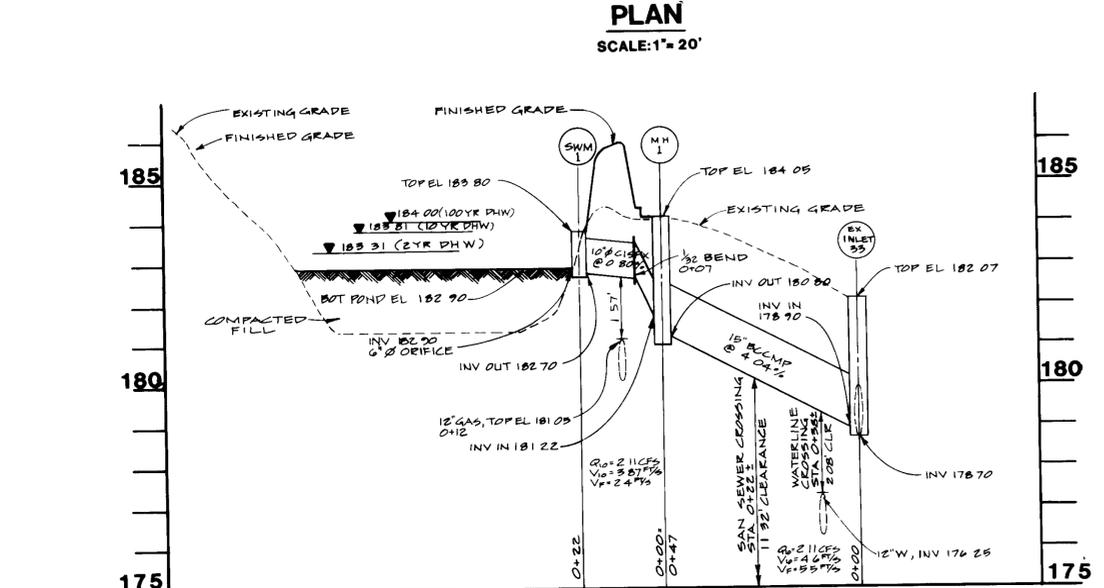
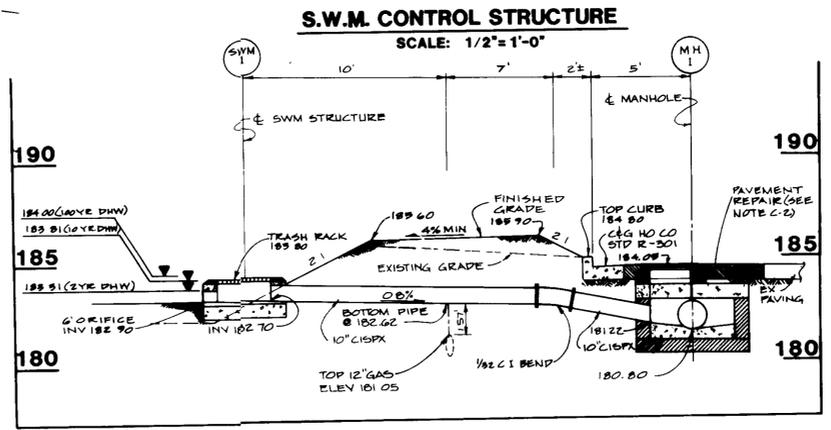
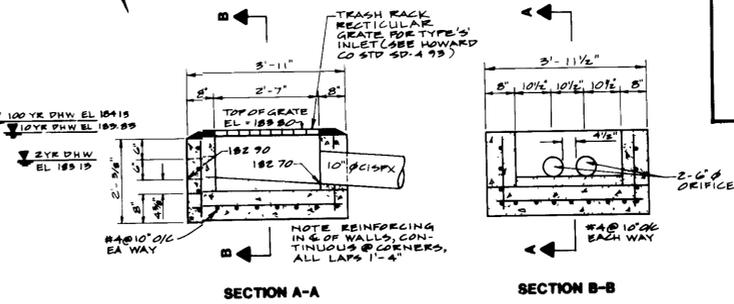
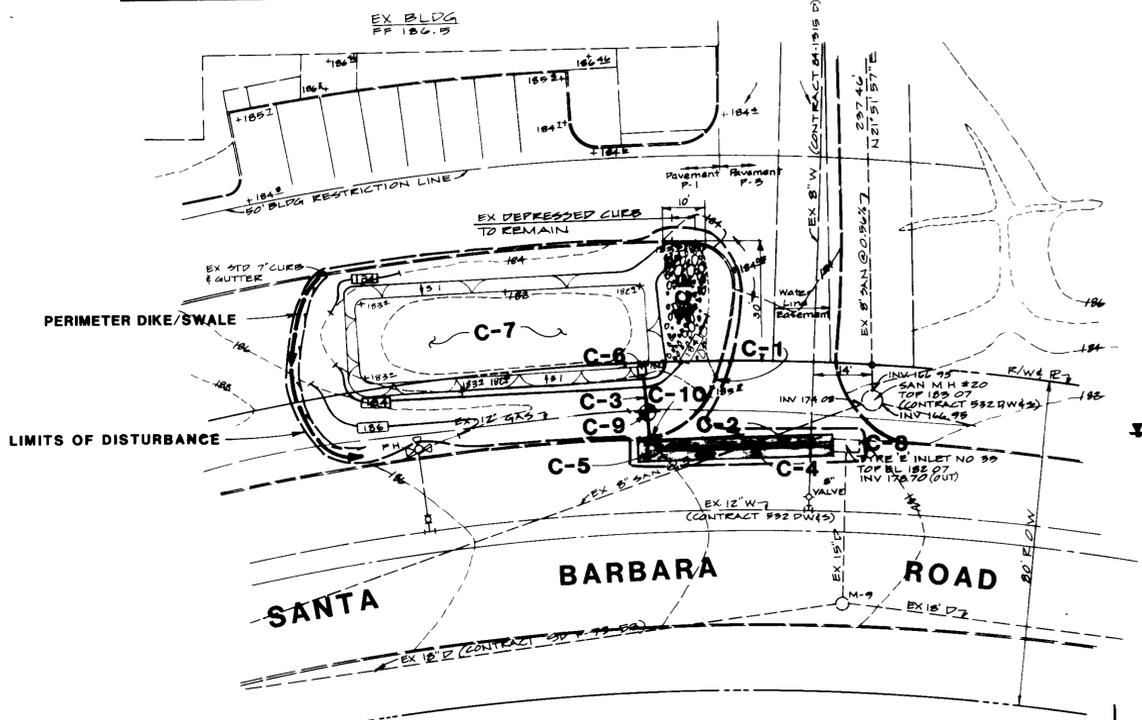
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM
DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

2-28-88
CHIEF, BUREAU OF ENGINEERING

2-24-88
CHIEF, BUREAU OF ENGINEERING

revisions
1 NOTES 6/24/88

prepared by
RBA ENGINEERS • ARCHITECTS • PLANNERS
5485 HARPER'S FARM ROAD, SUITE 200
COLUMBIA, MARYLAND 21044
301/730-7950 621-6050



LOCATION MAP
1"=300'

VICINITY MAP
SCALE: 1"=2,000'

- GENERAL NOTES**
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
 - ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
 - ALL VERTICAL CONTROLS ARE BASED ON U.S.C.S. DATUM.
 - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS, UNLESS OTHERWISE NOTED.
 - CLEAR ALL UTILITIES BY A MINIMUM OF 6". CLEAR ALL POLES BY 2'-0" MINIMUM OR TUNNEL AS REQUIRED. ANY COST INCURRED TO THE CONTRACTOR FOR TUNNELING OR BRACING AT POLES SHALL BE INCLUDED IN UNIT PRICES BID FOR CONSTRUCTION OF THE MAIR.
 - FOR DETAILS NOT SHOWN ON THE DRAWINGS USE HOWARD COUNTY STANDARD DETAILS.
 - FOR MATERIALS AND CONSTRUCTION METHODS USE HOWARD COUNTY STANDARD SPECIFICATIONS.
 - CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO (2) FEET IN ADVANCE OF CONSTRUCTION OPERATIONS IN THE VICINITY OF PROPOSED UTILITIES AT HIS OWN EXPENSE.
 - CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
STATE HIGHWAY ADMINISTRATION - (301) 531-5533
BALTIMORE GAS AND ELECTRIC COMPANY - UNDERGROUND ELECTRIC DISTRIBUTION CUSTOMER SERVICE - (301) 685-0123
BALTIMORE GAS AND ELECTRIC COMPANY - UNDERGROUND GAS DISTRIBUTION CUSTOMER SERVICE - (301) 685-0123
HOWARD COUNTY ENGINEERING - "DAMAGE CONTROL" - (301) 234-3621
"MISS UTILITY" - 1-559-0100
CHESAPEAKE AND POTOMAC (C & P) TELEPHONE COMPANY - (301) 725-9976
AMERICAN TELEPHONE AND TELEGRAPH - CABLE LOCATION DIVISION - (301) 593-3553
COLONIAL PIPELINE COMPANY - (301) 795-1390
BUREAU OF UTILITIES HOWARD COUNTY - (301) 992-2366

- KEY**
- EXISTING CONTOUR
 - PROPOSED CONTOUR
 - TEST PIT LOCATION
 - PERIMETER DIKE/SWALE
 - LIMIT OF DISTURBANCE
 - STRAW BALE PIKES
 - STABILIZED CONSTRUCTION ENTRANCE

- CONSTRUCTION NOTES**
- C-1 REMOVE 5' DEPRESSED CURBS FROM THE NEAREST CONSTRUCTION JOINTS AND REPLACE WITH STANDARD 7" CURB AND GUTTER, HOWARD COUNTY STD R-3.01.
 - C-2 METHOD OF CUTTING AND REPAIRING OPENINGS IN THE EXISTING ROADWAY PAVING SHALL BE IN CONFORMANCE WITH HOWARD COUNTY STD. G.4.01.
 - C-3 INSTALL 20 LF-10" CISPX @ 0.80X.
 - C-4 INSTALL 47 LF-15" BCMP @ 4.81X.
 - C-5 INSTALL SHALLOW BRICK MANHOLE IN CONFORMANCE WITH HOWARD COUNTY STD G5.05 W/STD HEAVY TRAFFIC MANHOLE FRAME AND COVER, HO.CO. STD 5.51. (SEE STRUCTURE SCHEDULE FOR INVERTS.)
 - C-6 INSTALL STORMWATER MANAGEMENT CONTROL STRUCTURE (SEE DETAIL THIS SHEET).
 - C-7 REGRADE SWM POND. SIDE SLOPES 3:1, BOTTOM EL. 182.90, BOTTOM DIMENSIONS 20.5' X 70.0'.
 - C-8 KNOCK OUT AND REPAIR OPENING FOR INSTALLATION OF 15" STORM DRAIN.
 - C-9 TEST PIT LOCATION. 12" DIAMETER COLONIAL GAS PIPELINE TOP OF PIPE EL. 181.05.
 - C-10 REMOVE EXISTING CURB AND GUTTER FOR STORM DRAIN PIPE INSTALLATION AND REPLACE WITH STANDARD 7" CURB AND GUTTER, HOWARD COUNTY STD. R-3.01.

DESIGN SUMMARY EXCAVATED SWM DRY POND

FREQ. STORM (CYR)	PEAK FREQ. DEVELOPED PEAK DISCHARGE (CFD)	MANAGED PEAK DISCHARGE (CFD)	PEAK ELEVATION (FT)	PEAK STORAGE (AG. FT.)
2	1	2	183.91	0.015
10	3	4	183.81	0.036
100	6	7	184.00	0.044

* REF SDP-85-45

PROFILE
SCALE: HORIZ. 1"=20', VERT. 1"=2'

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 12-23-87

STORM DRAIN STRUCTURE SCHEDULE

NO.	DESCRIPTION	INV. IN	INV. OUT	TOP ELEV.
SWM-1	SWM CONTROL STRUCTURE (SEE DETAIL THIS SHEET)	182.90	182.70	183.80
MH-1	HOWARD CO STD G5.05 W/HEAVY DUTY FRAME AND COVER STD G5.91	181.22	180.80	184.05
EX. INLET 33	TYPE 'E' INLET	178.70	178.70 (EXISTING)	182.07 (EXISTING)

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

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

HOWARD SCD DATE 2-17-88

U.S. SOIL CONSERVATION DISTRICT DATE

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

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

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

PLANNING DIRECTOR DATE 3-10-88

CHIEF, BUREAU OF ENGINEERING DATE 2-26-88

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

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

JOHN M. CHRISTMAN, PE
STATE OF MARYLAND
REGIST NO 14889

ADDRESS CHART

PARCEL NO.	STREET ADDRESS
D	6650 SANTA BARBARA ROAD

SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL
ROUTE 100 BUSINESS PARK	BLOCK A	D

PLAT	BLOCK	ZONE	TAX/ASSESS MAP	ELECT DIST	CENSUS TR
26/1	24	M-2	37	1ST	6012

WATER CODE	SEWER CODE

revisions table with columns: no, description, date

prepared by RBA ENGINEERS-ARCHITECTS-PLANNERS
5485 HARPER'S FARM ROAD, SUITE 200
COLUMBIA, MARYLAND 21044
301/730-7950 621-6050

REVISION TO SDP-85-45
CONVERSION OF EXISTING INFILTRATION BASIN TO SWM DETENTION FACILITY

OWNER/DEVELOPER
RTE. 100 LTD. PARTNERSHIP
51 MONROE ST., SUITE 702
ROCKVILLE, MD. 20860
(301) 424-5103

PARTIAL PLAN

RTE. 100 BUSINESS PARK
BLOCK A PARCEL D
6650 SANTA BARBARA RD.
TAX MAP 37 1ST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS NOTED

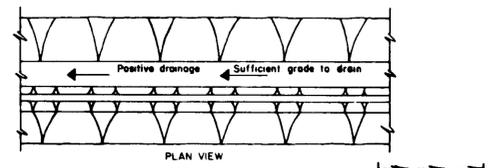
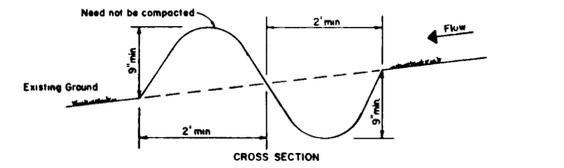
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CLS	MAM/MTD
PROJ NO 9051	DATE 9/28/87

2 SHEET 3 OF

SDP-85-474

SEQUENCE OF CONSTRUCTION

1. NOTIFY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT AND THE HOWARD COUNTY BUREAU OF LICENSES, INSPECTION AND PERMITS AT LEAST 48 HOURS BEFORE ANY WORK BEGINS. 1 DAY
2. CLEAR AND GRUB FOR SEDIMENT AND EROSION CONTROL MEASURES OR DEVICES ONLY. 1 DAY
3. INSTALL ALL SEDIMENT AND EROSION CONTROL MEASURES AND DEVICES. 1 DAY
4. TEMPORARY STABILIZATION SHALL BE ADDRESSED WITHIN SEVEN (7) CALENDAR DAYS TO THE SURFACE OF ALL PERIMETER DIKES AND DISTURBED AREAS. 1 DAY
5. NOTIFY HOWARD COUNTY DEPARTMENT OF PERMITS AND LICENSES, SEDIMENT CONTROL DIVISION, UPON COMPLETION OF SEDIMENT CONTROL. 1 DAY
6. INSTALL SWM CONTROL STRUCTURE, STORM DRAIN PIPE AND STORM DRAIN MANHOLE. 5 DAYS
7. COMPLETE GRADING OPERATION. 1 DAY
8. PERMANENTLY STABILIZE ALL INACTIVE AREAS ON SITE WITHIN FOURTEEN (14) DAYS OF ALL OTHER DISTURBED OR GRADED AREAS. 1 DAY
9. FINE GRADE REMAINING SITE AREAS AND PERMANENTLY STABILIZE ANY REMAINING DISTURBED AREAS. 1 DAY
10. AFTER OBTAINING PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL EROSION CONTROL DEVICES. 1 DAY
11. UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL EROSION CONTROL DEVICES AND STABILIZE THOSE AREAS. 1 DAY

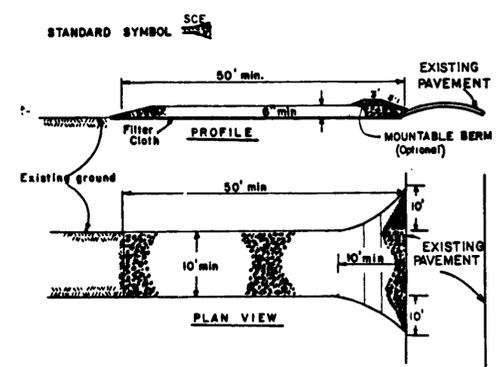


CONSTRUCTION SPECIFICATIONS

1. ALL PERIMETER DIKE/SWALE SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
3. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSION VELOCITY.
4. THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED IN THE STANDARD.
5. STABILIZATION OF THE AREA DISTURBED BY THE DIKE AND SWALE SHALL BE DONE IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SEED AND STRAW MULCH, AND SHALL BE DONE WITHIN 30 DAYS.
6. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

Max Drainage Area Limit: 2 Acres

PERIMETER DIKE/SWALE
NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

1. Stone Size - Use 2" stones, 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 - 2m (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 moundable 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, 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

HOWARD COUNTY

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 (192-2437)
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 COMPLETE WITHIN (A) SEVEN (7) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) AND (B) FOURTEEN (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 VOLUME 1, CHAPTER 12 OF 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. ANY SEDIMENT CONTROL PRACTICE WHICH IS NOT REEVALUATED BY THE INSPECTION AGENCY SHALL BE REPAIRED OR REPLACED WITHIN THE SAME DAY OF RE-EVALUATION.
8. PERMANENT SEDIMENT CONTROL MEASURES SHALL BE PROVIDED FOR ALL AREAS WHICH ARE LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
9. IN ALL SITES DISTURBED AREAS IN EXCESS OF 1/2 ACRE APPROXIMATELY, THE INSPECTION AGENCY SHALL REQUEST PERMITS FOR 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.
10. REFER TO "1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" FOR THE STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN.
11. UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, MINOR FIELD ADJUSTMENTS CAN AND WILL BE MADE TO INSURE THE CONTROL OF ANY SEDIMENT CHANGES IN SEDIMENT CONTROL PRACTICES WITH THE PRIOR APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
12. ANY CHANGE TO THE GRADING PROPOSED ON THIS PLAN REQUIRES RE-SUBMISSION TO HOWARD COUNTY SOIL CONSERVATION DISTRICT FOR APPROVAL.
13. DIST CONTROL WILL BE PROVIDED FOR ALL DISTURBED AREAS REFER TO 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, PP 72-0 TO 72-05 FOR ACCEPTABLE METHODS AND SPECIFICATIONS FOR DIST CONTROL.
14. ANY VARIATION FROM THE SEQUENCE OF OPERATIONS STATED ON THIS PLAN REQUIRES THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE HOWARD COUNTY SOIL CONSERVATION DISTRICT PRIOR TO THE INITIATION OF THE CHANGE.
15. ANY DISTURBED EARTH LEFT IDLE FOR PERIODS EXCEEDING 30 DAYS SHALL BE STABILIZED ACCORDING TO TEMPORARY STABILIZATION SPECIFICATIONS.
16. AT THE END OF EACH WORKING DAY A SEDIMENT CONTROL PRACTICE WILL BE INSPECTED AND LEFT IN OPERATIONAL CONDITION.
17. 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, STORMWATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORMWATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR GRADING AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
18. THE SEDIMENT CONTROL APPROVALS ON THIS PLAN EXTEND ONLY TO AREAS AND PRACTICES IDENTIFIED AS PROPOSED WORK.
19. THE APPROVAL OF THE PLAN FOR SEDIMENT AND EROSION CONTROL DOES NOT RELIEVE THE DEVELOPER/CONSULTANT FROM COMPLYING WITH ANY FEDERAL/STATE/COUNTY REQUIREMENTS PERTAINING TO ENVIRONMENTAL ISSUES.

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 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.) 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 (14 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE WITH 2 TONS PER ACRE (5 GAL/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 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS ON SLOPES 8 FEET OR HIGHER, USE 1.8 GALLONS PER ACRE (0.4 GAL/1000 SQ. FT.) FOR ANCHORING.
- MAINTENANCE - INSPECT ALL SEEDING AREAS AND MAKE NECESSARY REPAIRS, REPLACEMENTS AND MAINTENANCE.
- 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 40 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.)
- SEEDING - FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ. FT.). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (0.7 LBS/1000 SQ. FT.). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.
- MULCHING - APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER 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 1.8 GALLONS PER ACRE (0.4 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.

SIGNATURE FOR SEDIMENT CONTROL & POND CONSTRUCTION

BY THE DEVELOPER

DATE

SIGNATURE OF DEVELOPER

DATE

BY THE ENGINEER

DATE

SIGNATURE OF ENGINEER

DATE

U.S. SOIL CONSERVATION SERVICE

DATE

HOWARD SOIL CONSERVATION DISTRICT

DATE

SIGNATURE FOR SEDIMENT CONTROL

BY THE DEVELOPER

DATE

SIGNATURE OF DEVELOPER

DATE

BY THE ENGINEER

DATE

SIGNATURE OF ENGINEER

DATE

U.S. SOIL CONSERVATION SERVICE

DATE

HOWARD SOIL CONSERVATION DISTRICT

DATE

TABULATIONS

SITE ANALYSIS

TOTAL AREA OF PROPERTY	2.78 ACRES
AREA DISTURBED	0.12 ACRES
AREA TO BE ROOFED OR PAVED	0.02 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.26 ACRES
TOTAL CUT	5 CU YDS
TOTAL FILL	30 CU YDS
ON-SITE WASTE/BORROW AREA LOCATION	

OWNER/DEVELOPER SHALL DESIGNATE BORROW AREA IN FIELD. ALL DISTURBED AREAS SHALL BE PROTECTED AS PER APPROVED SEDIMENT CONTROL MEASURES.

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING
HOWARD COUNTY
DATE 12-23-87

REVISION TO SDP-85-45

PARCEL NO.	ADDRESS	CHART
26/1	6650 SANTA BARBARA ROAD	

SECTION/AREA	LOT/PARCEL
ROUTE 100 BUSINESS PARK BLOCK A	D
26/1	24 M-2
WATER CODE	SEWER CODE
37	1ST 6012

JOHN M. CHRISTMAN, PE
STATE OF MARYLAND
REGIST NO 14889

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

DATE 2-10-88

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS

DATE 2-10-88

revisions

No.	Description	Date

DESIGNED BY

RBA ENGINEERS-ARCHITECTS-PLANNERS

5485 HARPER'S FARM ROAD, SUITE 200
COLUMBIA, MARYLAND 21044
301/730-7950 621-6050

SEDIMENT CONTROL NOTES & DETAILS

RTE. 100 BUSINESS PARK

BLOCK A PARCEL D

TAX MAP 37 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE AS NOTED	DRAWN	CHECKED
	CLS	MAM
	PROJ. NO	DATE
	9051	9/28/87
	SHEET	OF
	3	3