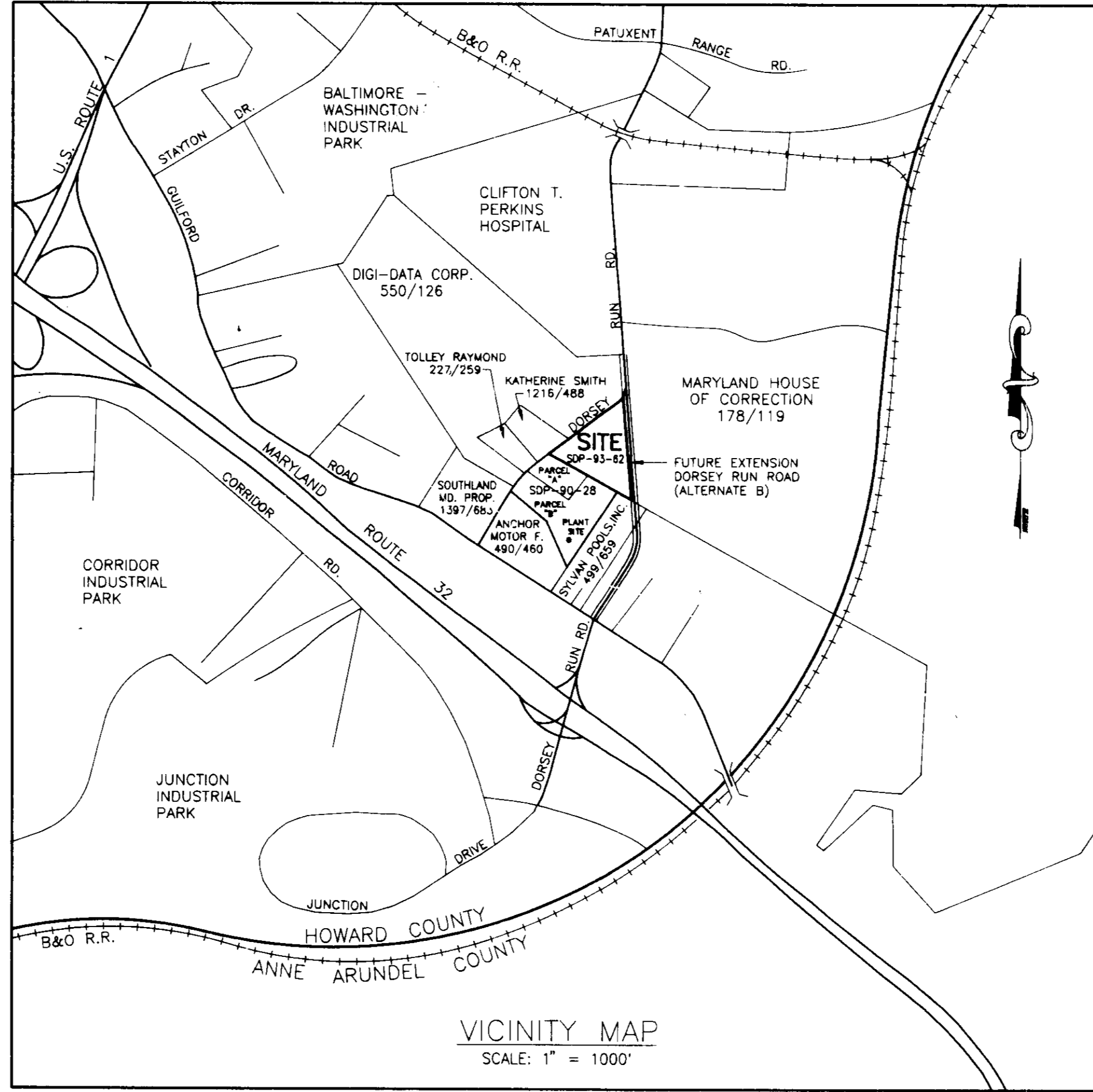


DORSEY RUN ASPHALT PLANT

REVIEWED: HOWARD COUNTY HEALTH DEPARTMENT NO FACILITIES REQUIRED COUNTY HEALTH OFFICER: <i>[Signature]</i> 7-28-93 DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING DIRECTOR: <i>[Signature]</i> 7/30/93 DATE
APPROVED: CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DIRECTOR: <i>[Signature]</i> 7/30/93 DATE
APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS DIRECTOR: <i>[Signature]</i> 7/23/93 DATE
HOWARD COUNTY APPROVAL CHIEF, BUREAU OF ENGINEERING CD 7/23/93 DATE

- GENERAL NOTES**
1. THE APPROXIMATE LOCATION OF ALL UTILITIES IS SHOWN BASED ON INFORMATION OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR SHALL LOCATE, PROTECT AND SUPPORT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER/INSPECTOR, AT THE CONTRACTOR'S EXPENSE.
 2. CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN THE VICINITY OF PROPOSED UTILITIES AT HIS OWN EXPENSE.
 3. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS.
STATE HIGHWAY ADMINISTRATION - 531-5533
BALTIMORE GAS & ELECTRIC COMPANY - 561-2585 (CONTRACTOR SERVICES)
BALTIMORE GAS & ELECTRIC COMPANY - 234-6313 (UNDERGROUND DAMAGE CONTROL)
BALTIMORE GAS & ELECTRIC COMPANY - 298-9013 (TROUBLESHOOTING)
"MISS UTILITY" - 800-257-7777
CHESAPEAKE & POTOMAC (C&P) TELEPHONE COMPANY - 725-9976
BUREAU OF UTILITIES/HOWARD COUNTY - 992-2366
DEPT. OF PUBLIC WORKS/HOWARD COUNTY - 313-1870
 4. ALL DETAILS NOT SHOWN ON THE DRAWING SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARD DETAILS.
 5. ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH HOWARD COUNTY SPECIFICATIONS AND HOWARD COUNTY DESIGN MANUAL VOLUME IV, AS AMENDED 1990, PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
 6. TOPOGRAPHY SHOWN IS FROM A 1992 AERIAL SURVEY BY PHOTO SCIENCE, INC. HORIZONTAL AND VERTICAL CONTROL IS FROM MARYLAND STATE GRID SYSTEM.
 7. A "WETLAND DELINEATION REPORT" FOR THIS SITE WAS PREPARED BY MILDENBERG, MOCHI & ASSOCIATES, INC. ON DECEMBER 7, 1992.
 8. THE STORMWATER MANAGEMENT CONTROL PROVIDED IN THE POND IS EXTENDED DETENTION.
 9. STORMWATER MANAGEMENT FACILITY WILL BE PRIVATELY OWNED AND MAINTAINED.



SEDIMENT CONTROL MEASURE FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 15 OF THE STANDARD SPECIFICATIONS AND SDP.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT
SIGNATURE: *[Signature]* 7/21/93
DATE

THIS DEVELOPMENT PLAN IS APPROVED, FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.
SIGNATURE: *[Signature]* 7/21/93
DATE

I HEREBY CERTIFY THAT THE "AS-BUILT" INFORMATION SHOWN ON THIS PLAN WAS FIELD-MEASURED BY MYSELF OR BY MY ASSIGNED REPRESENTATIVE, THAT IT IS ACCURATE TO THE BEST OF MY KNOWLEDGE & THAT THE POND AS CONSTRUCTED MEETS THE REQUIREMENTS OF THE STANDARDS & SPECIFICATIONS (S.D.P. POND (MD-27B)), GAVE & EXCEEDED THE POND DIMENSIONS FOR WHICH A CERTIFICATION DATE 8-10-94 BY ENGINEERING CONSULTING SERVICES, LTD. HAS BEEN PROVIDED. THIS CERTIFICATION INCLUDES THE NEW CONSTRUCTION/ADDITIONS TO THE EXISTING POND DRAIN.

[Signature]
RICHARD E. BASHAS
MD REG. NO. 1615
DATE: 8/11/94

SITE DEVELOPMENT PLANS HOWARD COUNTY, MARYLAND

INDEX TO DRAWINGS

1. COVER SHEET
2. SITE PLAN
3. DRAINAGE AREA MAP & SECTIONS
4. POND NOTES
5. SEDIMENT & EROSION CONTROL NOTES & DETAILS
6. SOILS MAP
7. LANDSCAPE PLAN

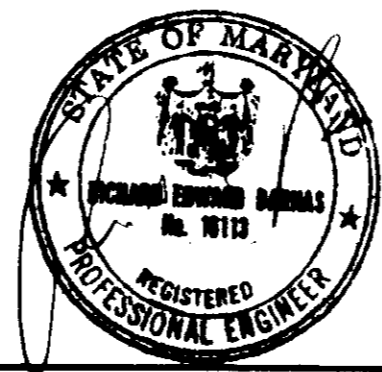
SITE ANALYSIS

ZONED M-2 (MANUFACTURING HEAVY)
AREA OF PARCELS: 5.24 ACRES
PROPOSED USE: MATERIAL STORAGE
BUILDING AREA: 0.0 S.F.
TOTAL BUILDING COVERAGE: 0.0 S.F.
OPEN SPACE ON SITE: 2.25 ACRES (43%)
MAXIMUM NUMBER OF EMPLOYEES: 0
NUMBER OF PARKING SPACES REQUIRED: 0
PARKING SPACES PROVIDED: 0

PROPERTY ADDRESS: PARCEL 128-8575 DORSEY RUN ROAD			
SUBDIVISION NAME: DORSEY RUN ASPHALT PLANT	SECT. AREA: 48	PARCEL #: 128	
PLAT # OR L/F, BLOCK #, ZONE L.178/F.119 8, 14 M-2	TAX/ZONE MAP: 48	ELEC. DIST.:	CENSUS TR.:
		6th	6069.01
WATER CODE: 604	SEWER CODE: N/A		

NO.	REVISIONS	BY	APP.	DATE

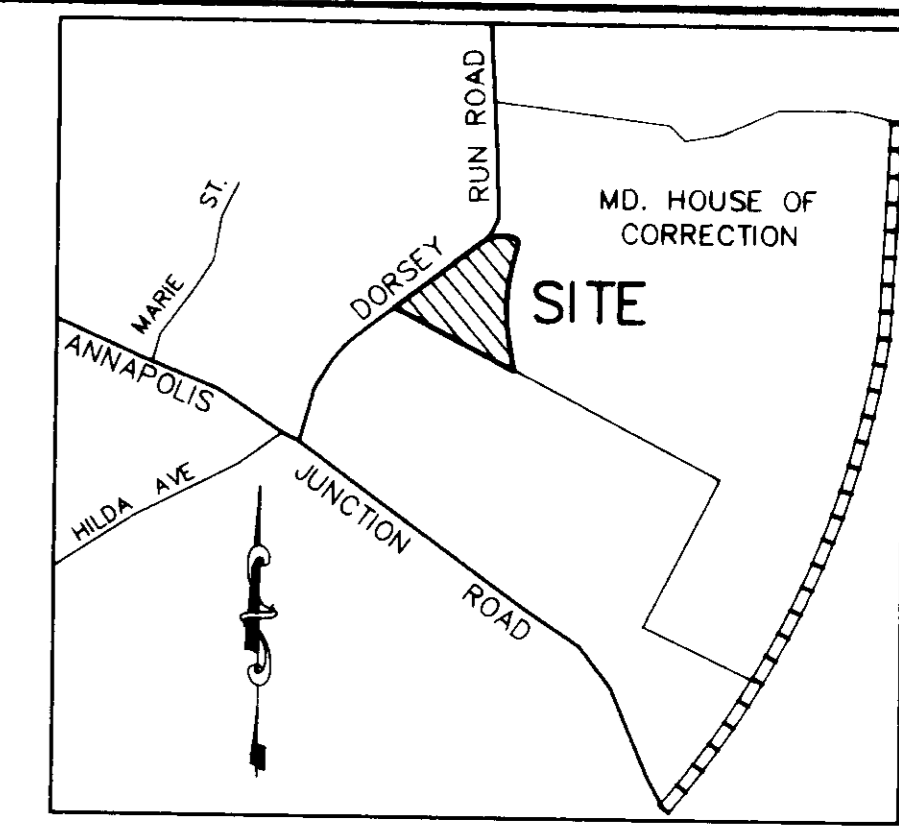
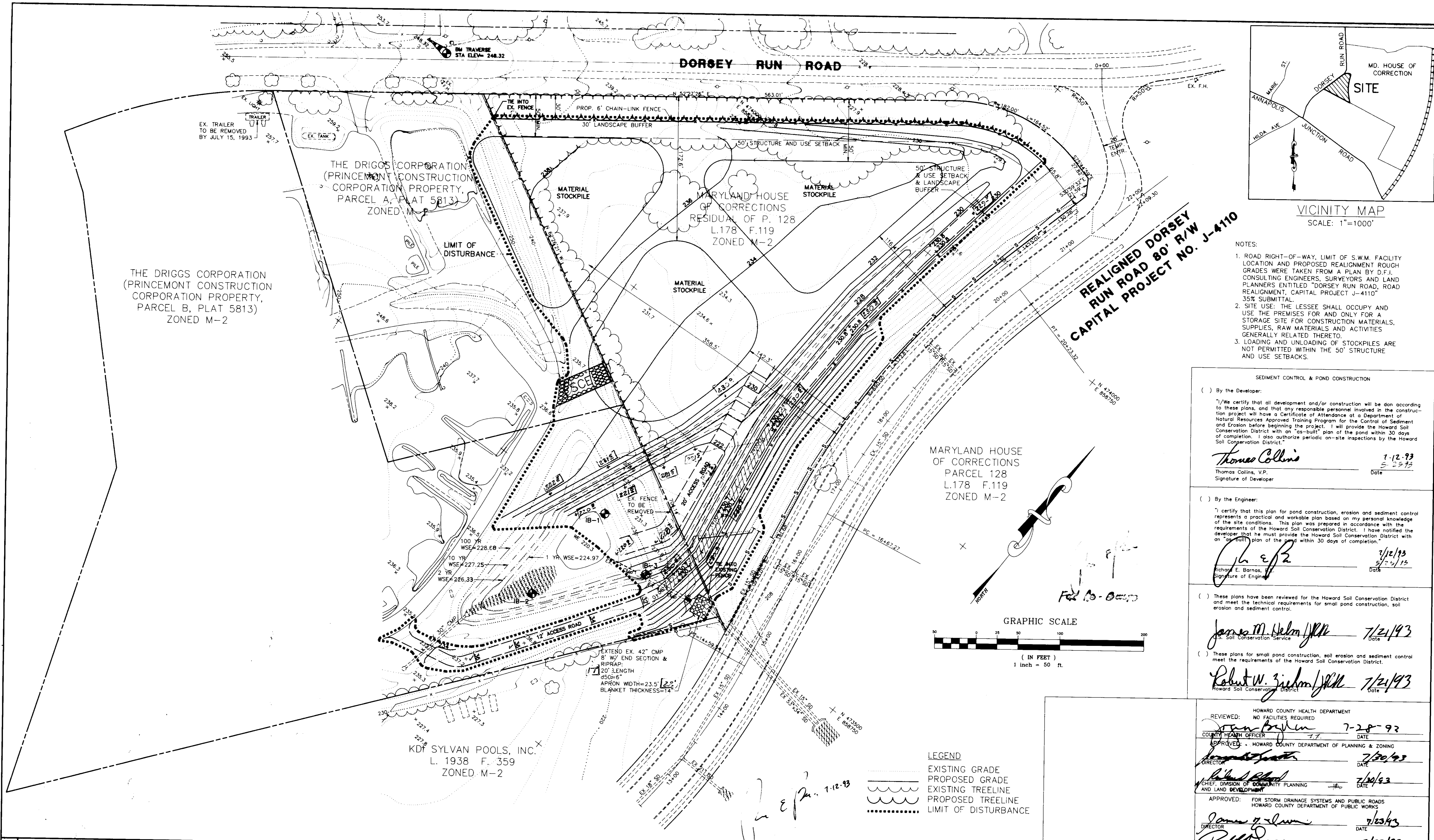
DRIGGS ASSOCIATES, INC.
8723 ASHWOOD DRIVE
CAPITOL HEIGHTS, MD. 20743
(301) 499-1950



DORSEY RUN ASPHALT PLANT
STORAGE AREA ADDITION TO SDP-90-28
HOWARD COUNTY, MARYLAND
SIXTH ELECTION DISTRICT

SHEET TITLE: COVER SHEET	DRAWN BY: TMP	CADD NAME: AJ-CSLB 8/19/93
OWNER: STATE OF MARYLAND DEPARTMENT OF PUBLIC SAFETY AND CORRECTIONAL SERVICES DIVISION OF CORRECTIONS	DEVELOPER/LESSEE: DRIGGS CORPORATION 8700 ASHWOOD DRIVE CAPITOL HEIGHTS, MD 20743 (301) 499-1950	DESIGNED BY: REB,HHM
		SCALE: AS SHOWN
		DATE: 1/4/93

AS-BUILT 6/1/94
SDP-93-62



VICINITY MAP
SCALE: 1"=1000'

- NOTES:
- ROAD RIGHT-OF-WAY, LIMIT OF S.W.M. FACILITY LOCATION AND PROPOSED REALIGNMENT ROUGH GRADES WERE TAKEN FROM A PLAN BY D.F.I. CONSULTING ENGINEERS, SURVEYORS AND LAND PLANNERS ENTITLED "DORSEY RUN ROAD, ROAD REALIGNMENT, CAPITAL PROJECT J-4110" 35% SUBMITTAL.
 - SITE USE: THE LESSEE SHALL OCCUPY AND USE THE PREMISES FOR AND ONLY FOR A STORAGE SITE FOR CONSTRUCTION MATERIALS, SUPPLIES, RAW MATERIALS AND ACTIVITIES GENERALLY RELATED THERETO
 - LOADING AND UNLOADING OF STOCKPILES ARE NOT PERMITTED WITHIN THE 50' STRUCTURE AND USE SETBACKS.

() By the Developer:

"I/We 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."

Thomas Collins 1-12-93
Thomas Collins, V.P. Date
Signature of Developer

() 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."

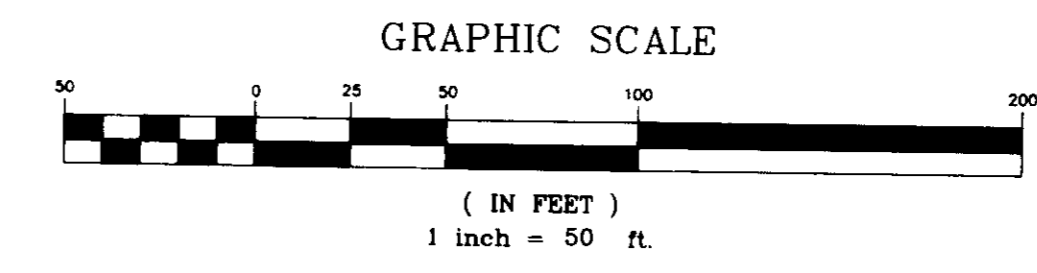
Richard E. Barnes 7/21/93
Richard E. Barnes, Date
Signature of Engineer

() 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.

James M. Nelson 7/21/93
James M. Nelson, Date
Soil Conservation Service

() These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.

Robert W. Ziehm 7/21/93
Robert W. Ziehm, Date
Howard Soil Conservation District



- LEGEND
- EXISTING GRADE
 - PROPOSED GRADE
 - EXISTING TREELINE
 - PROPOSED TREELINE
 - LIMIT OF DISTURBANCE

NO.	REVISIONS	BY	APP.	DATE

DRIGGS ASSOCIATES, INC.
8723 ASHWOOD DRIVE
CAPITOL HEIGHTS, MD. 20743
(301) 499-1950



DORSEY RUN ASPHALT PLANT
STORAGE AREA ADDITION TO SDP-90-28
HOWARD COUNTY, MARYLAND
SIXTH ELECTION DISTRICT

TAX MAP: 48 PARCEL: 128

SHEET TITLE: SITE PLAN		DRAWN BY: TMP	CADD NAME: AJ-SP2B
OWNER: STATE OF MARYLAND DEPARTMENT OF PUBLIC SAFETY AND CORRECTIONAL SERVICES DIVISION OF CORRECTIONS	DEVELOPER/LESSEE: DRIGGS CORPORATION 8700 ASHWOOD DRIVE CAPITOL HEIGHTS, MD 20743 (301) 499-1950	DESIGNED BY: REB,HMM	SHEET 2 OF 7
DATE: 1/4/93		DATE: 7/25/93	

HOWARD COUNTY HEALTH DEPARTMENT
REVIEWED: NO FACILITIES REQUIRED
John Bryson 7-28-93
COUNTY HEALTH OFFICER DATE

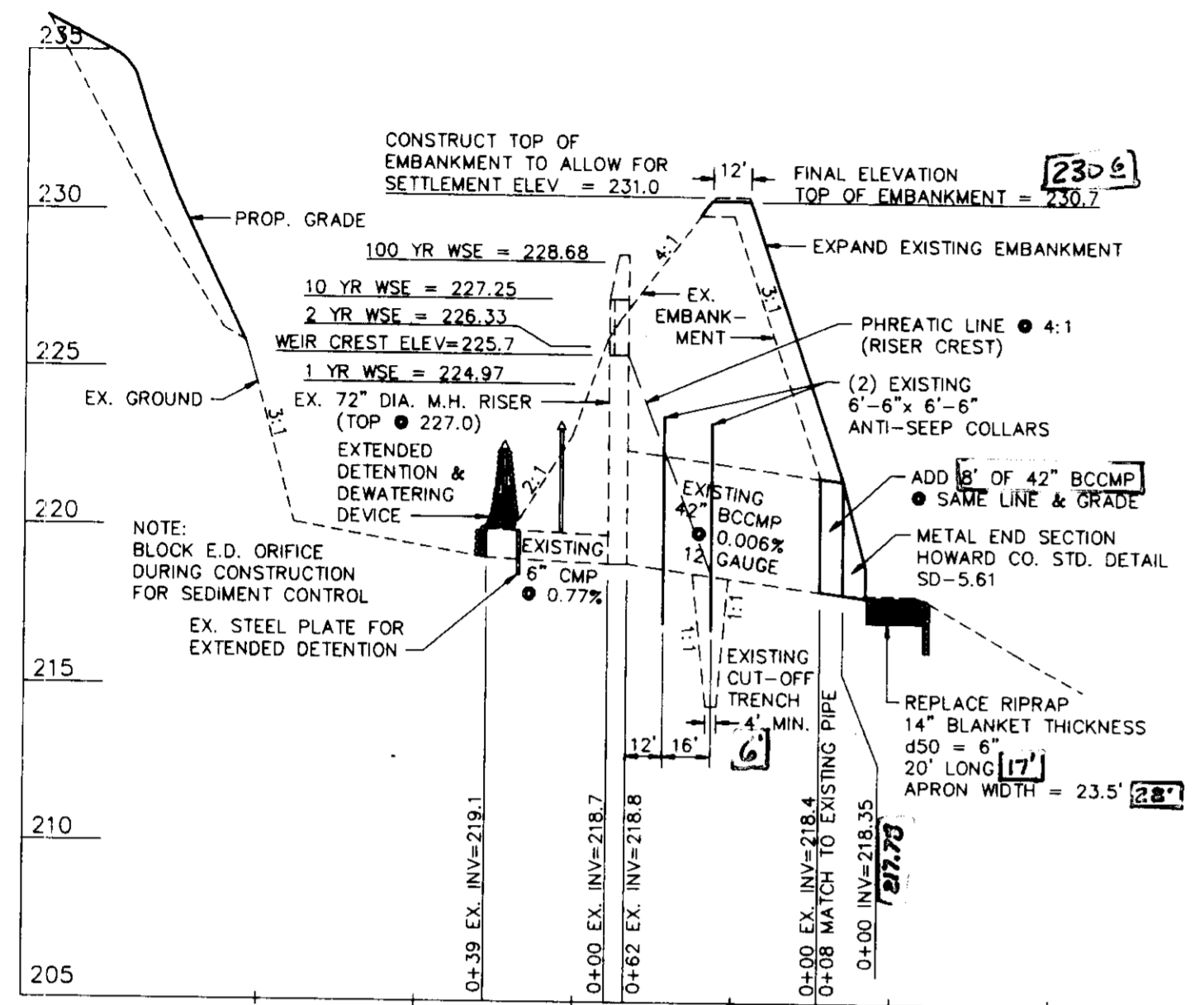
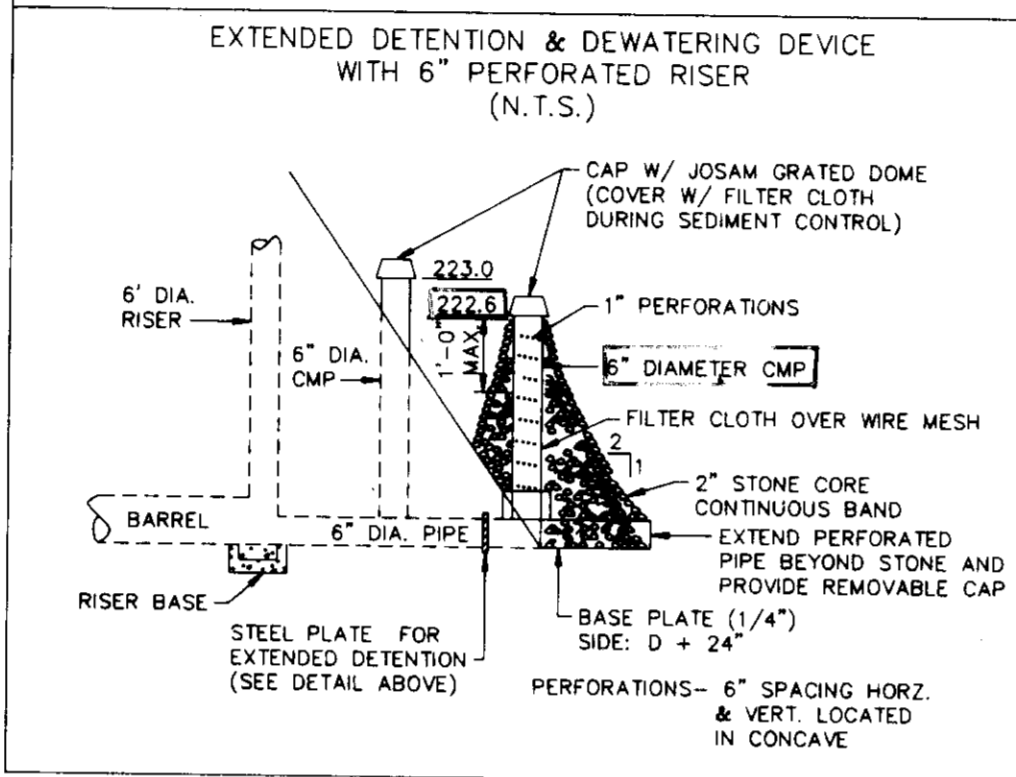
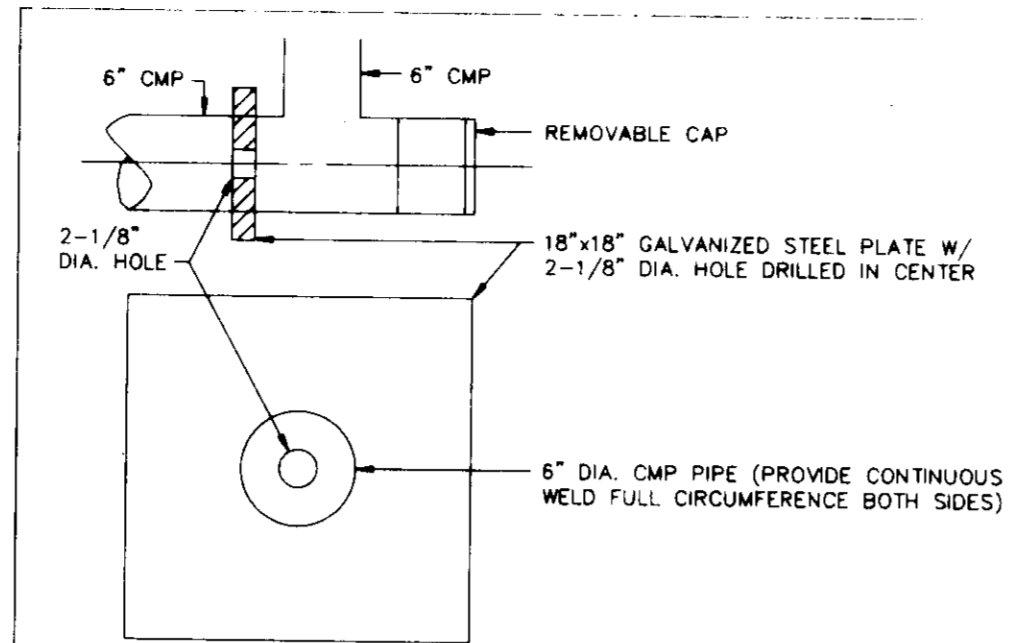
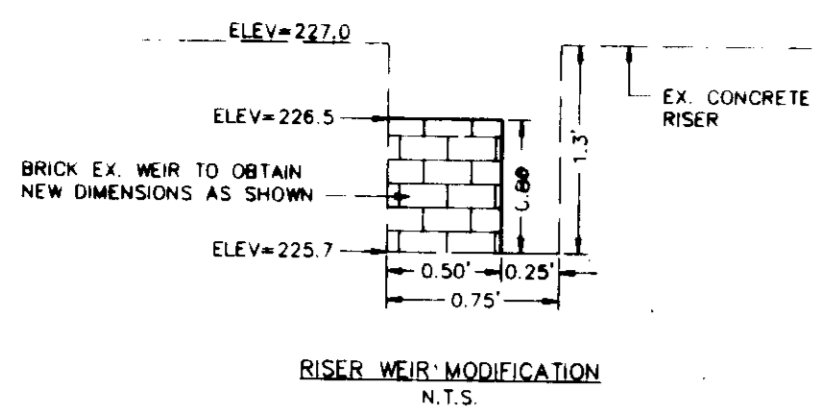
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
James M. Nelson 7/20/93
DIRECTOR DATE

APPROVED: CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
Robert W. Ziehm 7/20/93
DATE

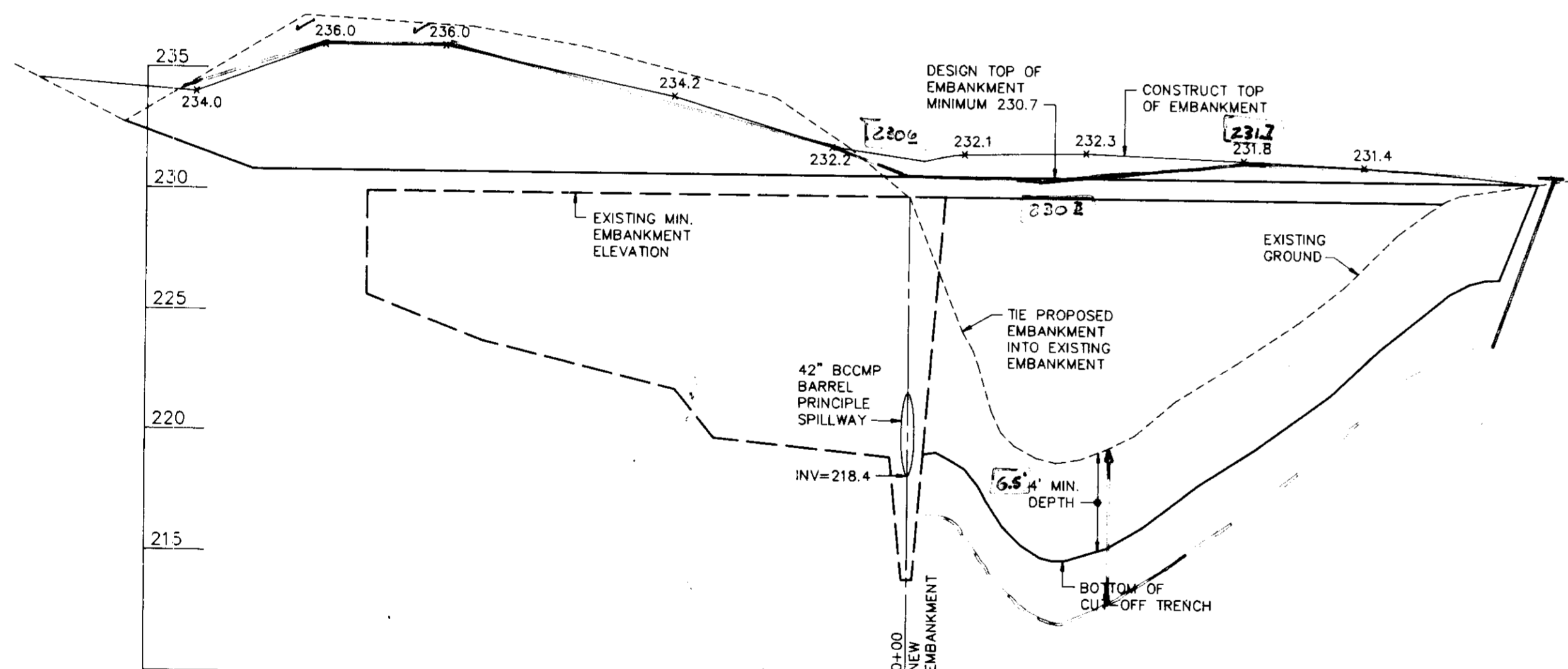
APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James M. Nelson 7/23/93
DIRECTOR DATE

APPROVED: CHIEF, BUREAU OF ENGINEERING
Robert W. Ziehm 7/23/93
DATE

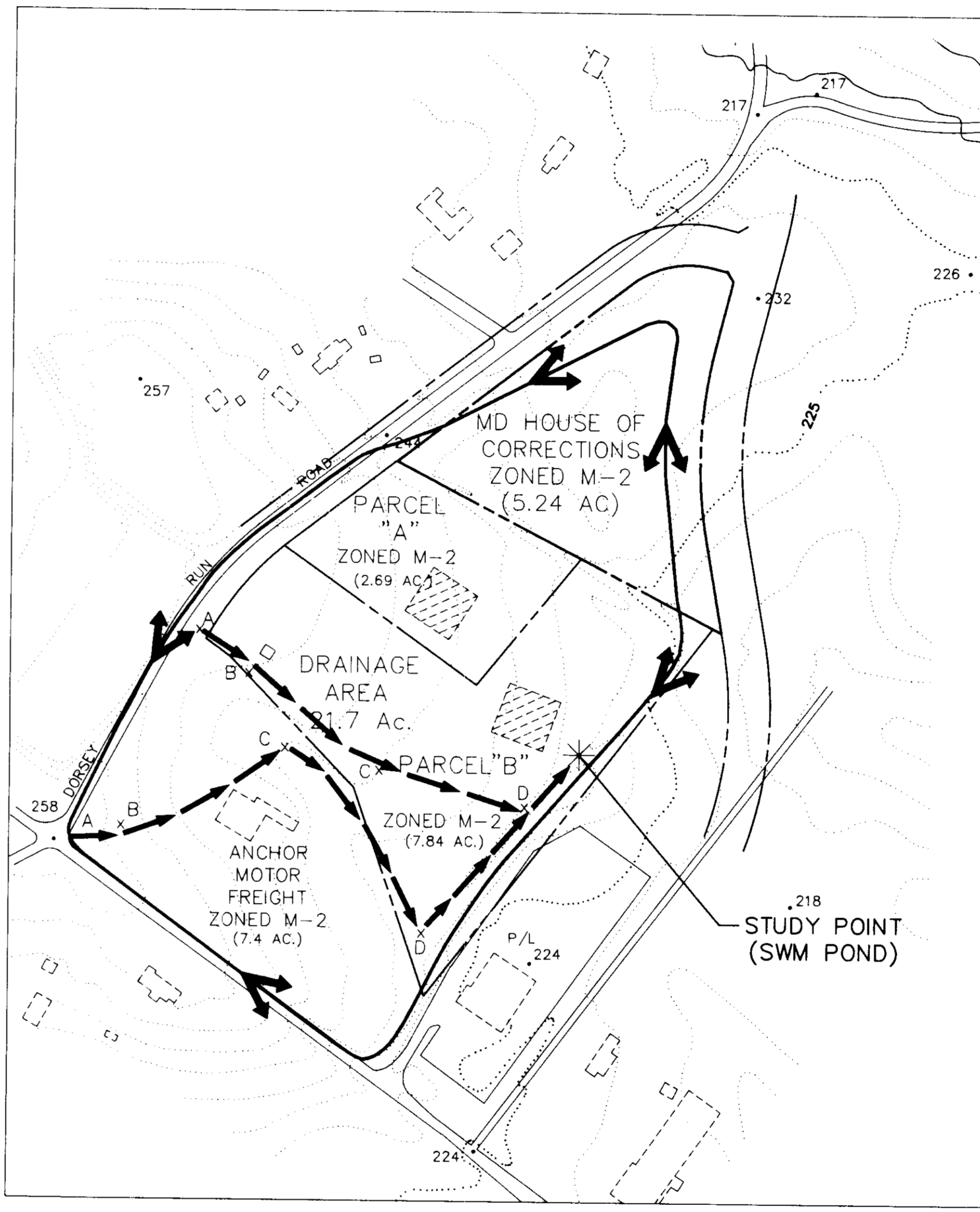
SDP-93-62



SECTION THROUGH POND
SCALE- H: 1"=50'
V: 1"=5'



DAM PROFILE - NEW EMBANKMENT
SCALE- H: 1"=50'
V: 1"=5'



DRAINAGE AREA MAP
SCALE: 1" = 200'

HOWARD COUNTY HEALTH DEPARTMENT
REVIEWED: NO FACILITIES REQUIRED
COUNTY HEALTH OFFICER: *[Signature]* DATE: 7-28-93
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
DIRECTOR: *[Signature]* DATE: 7/30/93
APPROVED: CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
DIRECTOR: *[Signature]* DATE: 7/30/93
APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: *[Signature]* DATE: 7/23/93
CHIEF, BUREAU OF ENGINEERING: *[Signature]* DATE: 7/23/93

SEDIMENT CONTROL & POND CONSTRUCTION
() By the Developer:
"I/We 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."
[Signature] DATE: 7-12-93
Thomas Collins, V.P.
Signature of Developer

() 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."
[Signature] DATE: 7/12/93
Richard E. Barnes, P.E.
Signature of Engineer

() 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.
[Signature] DATE: 7/24/93
James M. Helm, JMM
Soil Conservation Service

() These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.
[Signature] DATE: 7/21/93
Robert W. Ziehm, JMM
Howard Soil Conservation District

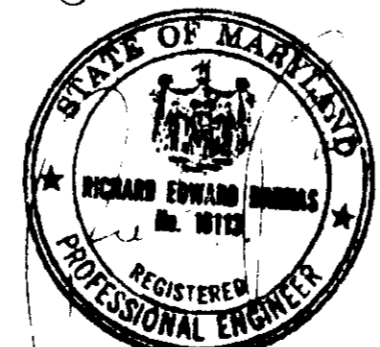
REMOVE TOPSOIL/GRASS WHERE OLD AND NEW EMBANKMENT JOIN. SCARIFY SLOPE SO NEW FILL AND OLD FILL BOND ADEQUATELY.

[Handwritten Signature] 7-12-93

NO.	REVISIONS	BY	APP.	DATE



DRIGGS ASSOCIATES, INC.
8723 ASHWOOD DRIVE
CAPITOL HEIGHTS, MD. 20743
(301) 499-1950



DORSEY RUN ASPHALT PLANT
STORAGE AREA ADDITION TO SDP-90-28
HOWARD COUNTY, MARYLAND
SIXTH ELECTION DISTRICT
TAX MAP: 48 PARCEL: 128

SHEET TITLE: D.A.M. & SECTIONS		DRAWN BY: TMP	CADD NAME: AJ-DAMS 8/21/93
OWNER: STATE OF MARYLAND DEPARTMENT OF PUBLIC SAFETY AND CORRECTIONAL SERVICES DIVISION OF CORRECTIONS	DEVELOPER/LESSEE: DRIGGS CORPORATION 8700 ASHWOOD DRIVE CAPITOL HEIGHTS, MD 20743 (301) 499-1950	DESIGNED BY: REB,HHM	SHEET 3 OF 7
DATE: 1/4/93		DATE: 7/21/93	

SDP-93-62

POND SPECIFICATIONS
(MD 378)

These specifications are appropriate to ponds within the scope of the Standard for Practice MD-378. All references to ASTM and AASHTO specifications apply to the most recent version.

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 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. For dry stormwater management ponds, a minimum of a 50 foot radius around the inlet structure shall be cleared.

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.

Earth Fill

Material - The fill material shall be taken from approved designated borrow areas. It shall be free of roots, stumps, wood, rubbish, stones greater than 6", frozen or other objectionable materials. Fill material for the center of the embankment and cut off trench shall conform to Unified Soil Classification GC, SC, CH, or CL. Consideration may be given to the use of other materials in the embankment if design and construction are supervised by a geotechnical engineer.

Placement - Areas on which fill is to be placed shall be scarified prior to placement of fill. Fill materials shall be placed in maximum 8 inch thick (before compaction) layers which are to be continuous over the entire length of the fill. The most permeable borrow material shall be placed in the downstream portions of the embankment. The principle spillway must be installed concurrently with fill placement and not excavated into 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 sheepfoot, rubber tired or vibratory roller. Fill material shall contain sufficient moisture such that the required degree of compaction will be obtained with the equipment used. The fill material shall contain sufficient moisture so that if formed into a ball it will not crumble yet not be so wet that water can be squeezed out.

Where a minimum required density is specified, it shall not be less than 95% of maximum dry density with a moisture content within ±2% of the optimum. Each layer of fill shall be compacted as necessary to obtain that density, and is to be certified by the Engineer at the time of construction. All compaction is to be determined by AASHTO Method T-99.

Cut-Off Trench - The cut-off trench shall be excavated into impervious material along or parallel to the centerline of the embankment as shown on the plans. The bottom width of the trench shall be governed by the equipment used for excavation with the minimum width being four feet. The depth shall be at least four feet below existing grade or as shown on plans. The side slopes of the trench shall be 1 to 1 or flatter. The backfill shall be compacted with construction equipment, rollers, or hand tampers to assure maximum density and minimum permeability.

Structural Backfill

Backfill adjacent to pipes or structures 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 manually directed 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 for 24" or greater over the structure or pipe.

Pipe Conduits

All pipes shall be circular in cross section.

Corrugated Metal Pipe - All of the following criteria shall apply for 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. All

bituminous coating damaged or otherwise removed shall be replaced with cold applied bituminous coating compound. Steel pipes with polymeric coatings shall have a minimum coating thickness of 0.01 inch (10 mil) on both sides of the pipe. The following coatings or an approved equal may be used: Nexon, Plasti-Cote, Blac-Klad, and Beth-Cu-Loy. Coated corrugated steel pipe shall meet the requirements of AASHTO M-245 and M-246.

Materials - (Aluminum Coated Steel Pipe) - This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-274 with watertight coupling bands or flanges. Aluminum surfaces that are to be in contact with concrete shall be painted with one coat of zinc chromate primer. Hot dip galvanized bolts may be used for connections. The pH of the surrounding soils shall be between 4 and 9.

Materials - (Aluminum Pipe) - This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-196 or M-211 with watertight coupling bands or flanges. Aluminum surfaces that are to be in contact with concrete shall be painted with one coat of zinc chromate primer. Hot dip galvanized bolts may be used for connections. The pH of the surrounding soils shall be between 4 and 9.

2. Coupling bands, anti-seep collars, end sections, etc., must be composed of the same material as the pipe. Metals must be insulated from dissimilar materials with the use of rubber or plastic insulating materials at least 24 mils in thickness.

3. 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. 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.

All connections shall use a rubber or neoprene gasket when joining pipe sections. The end of each pipe shall be re-rolled an adequate number of corrugations to accommodate the band width. The following type connections are acceptable for pipes less than 48" in diameter: flanges on both ends of the pipe, a 12" wide standard lap type band with 12" wide by 3/8" thick closed cell circular neoprene gasket; and a 12" wide hugger type band with O-ring gaskets having a minimum diameter of 1/2" greater than the corrugation depth. Pipes 48" in diameter and larger shall be connected by a 24" long annular corrugated band using rods and lugs. A 12" side by 3/8" thick closed cell circular neoprene gasket will be installed on the end of each pipe for a total of 24".

Helically corrugated pipe shall have either continuously welded seams or have lock seams

4. 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.

5. Backfilling shall conform to "Structural Backfill."

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

Reinforced Concrete Pipe - All of the following criteria shall apply for reinforced concrete pipe:

1. Materials - Reinforced concrete pipe shall have bell and spigot joints with rubber gaskets and shall equal or exceed ASTM Designation C-361. An approved equivalent is AWWA Specification C-302.

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 10% of its outside diameter with a minimum thickness of 3 inches, 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. The first joint must be located within 2 feet from the riser.

4. Backfilling shall conform to "Structural Backfill."

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

Polyvinyl Chloride (PVC) Pipe - All of the following criteria shall apply for polyvinyl chloride (PVC) pipe:

1. Materials - PVC pipe shall be PVC-1120 or PVC-1220 conforming to ASTM D-1785 or ASTM D-2241.

2. Joints and connections to anti-seep collars shall be completely 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. Backfilling shall conform to "Structural Backfill."
5. Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings.

Concrete

Concrete shall meet the requirements of Maryland Department of Transportation, State Highway Administration Standard Specifications for Construction and Materials, Section 608, Mix No. 3.

Rock Riprap

All rock shall be dense, sound, and free from cracks, seams, and other defects conducive to accelerated weathering. The rock fragments shall be angular to subrounded in shape. The least dimension of an individual rock fragment shall be not less than one-third the greatest dimension of the fragment.

The rock shall have the following properties:

1. Bulk specific gravity (saturated surface-dry basis) not less than 2.5.
2. Absorption not more than three percent.
3. Soundness: Weight loss in five cycles not more than 20 percent when sodium sulfate is used.

Bulk specific gravity and absorption shall be determined according to ASTM C 127. The test for soundness shall be performed according to ASTM C 88.

The riprap shall be placed to the required thickness in one operation. The rock shall be delivered and placed in a manner that will insure the riprap in place shall be reasonably homogeneous with the larger rocks uniformly distributed and firmly in contact one to another with the smaller rocks filling the voids between the larger rocks. Filter cloth shall be placed under all riprap and shall meet the requirements of Maryland Department of Transportation, State Highway Administration Standard Specifications for Construction and Materials, Section 919.12.

Care of Water during Construction

All work on permanent structures shall be carried out in areas free from water. The Contractor shall construct and maintain all temporary dikes, levees, cofferdams, drainage channels, and stream diversions necessary to protect the areas to be occupied by the permanent works. The contractor shall also furnish, install, operate, and maintain all necessary pumping and other equipment required for removal of water from the various parts of the work and for maintaining the excavations, foundation, and other parts of the work free from water as required or directed by the engineer for constructing each part of the work. After having served their purpose, all temporary protective works shall be removed or leveled and graded to the extent required to prevent obstruction in any degree whatsoever of the flow of water to the spillway or outlet works and so as not to interfere in any way with the operation or maintenance of the structure. Stream diversions shall be maintained until the full flow can be passed through the permanent works. The removal of water from the required excavation and the foundation shall be accomplished in a manner and to the extent that will maintain stability of the excavated slopes and bottom of required excavations and will allow satisfactory performance of all construction operations. During the placing and compacting of material in required excavations, the water level at the locations being refilled shall be maintained below the bottom of the excavation at such locations which may require draining the water to sumps from which the water shall be pumped.

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 in accordance with the Maryland Soil Conservation Service Standards and Specifications for Critical Area Planting (MD-342) or as shown on the accompanying drawings.

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.

HOWARD COUNTY APPROVAL

REVIEWED: HOWARD COUNTY HEALTH DEPARTMENT
NO FACILITIES REQUIRED
DATE: 7-28-93

COUNTY HEALTH OFFICER: [Signature] DATE: 7/30/93

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
DIRECTOR: [Signature] DATE: 7/30/93

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT: [Signature] DATE: 7/30/93

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC WORKS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: [Signature] DATE: 7/23/93

CHIEF, BUREAU OF ENGINEERING: [Signature] DATE: 7/23/93

SEDIMENT CONTROL & POND CONSTRUCTION

() By the Developer:
"I/we 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."

[Signature] DATE: 7-12-93
Thomas Collins, V.P.
Signature of Developer

() 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."

[Signature] DATE: 7/12/93
Richard E. Barnes, P.E.
Signature of Engineer

() 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.

[Signature] DATE: 7/21/93
James M. Helm, P.E.
Soil Conservation Service

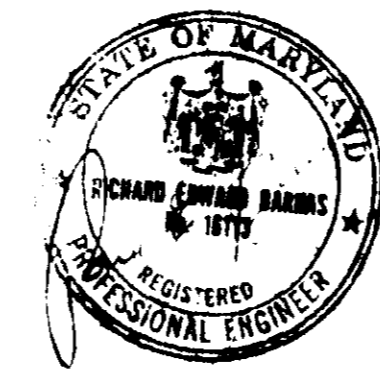
() These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.

[Signature] DATE: 7/21/93
Robert W. Ziehm, P.E.
Howard Soil Conservation District

NO.	REVISIONS	BY	APP.	DATE



DRIGGS ASSOCIATES, INC.
8723 ASHWOOD DRIVE
CAPITOL HEIGHTS, MD. 20743
(301) 499-1950



DORSEY RUN ASPHALT PLANT
STORAGE AREA ADDITION TO SDP-90-28
HOWARD COUNTY, MARYLAND
SIXTH ELECTION DISTRICT

TAX MAP: 48

PARCEL: 128

SHEET TITLE: POND NOTES

DRAWN BY: TMP
DESIGNED BY: REB,HHM
SCALE: AS SHOWN
DATE: 1/4/93

OWNER: STATE OF MARYLAND
DEPARTMENT OF PUBLIC SAFETY AND CORRECTIONAL SERVICES
DIVISION OF CORRECTIONS

DEVELOPER/LESSEE: DRIGGS CORPORATION
8700 ASHWOOD DRIVE
CAPITOL HEIGHTS, MD 20743
(301) 499-1950

CADD NAME: AJ-DTL4
3/17/93

SHEET 4 OF 7

SDP-93-62

STANDARD AND SPECIFICATION FOR TOPSOIL
Definition
 Placement of topsoil over a prepared subsoil prior to establishment of vegetation.

Purpose
 To provide a suitable soil medium for vegetative growth on areas with low moisture, low nutrient levels, low pH, or the presence of other materials toxic to plants.

Conditions Where Practice Applies
 This practice is recommended for sites of 2:1 or flatter slopes where:
 1. The texture of the exposed subsoil or parent material is not suitable to produce adequate vegetative growth.
 2. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
 3. The original soil to be vegetated contains material toxic to plant growth.
 4. The soil is so acid that treatment with limestone is not feasible.

Specifications
 Section 1 - Site Preparation (Where Topsoil is to be added)
 A. When topsoiling, maintain needed erosion and sediment control practices such as diversions, grade stabilization structures, berms, dikes, silt fences and sediment basins.
 B. Grading: Grades on the areas to be topsoiled which have been previously established shall be maintained.
 C. Liming: Where the subsoil is either highly acid or composed of heavy clay, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet). Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.
 D. Tilling: After the areas to be topsoiled have been brought to grade, and immediately prior to dumping and spreading the topsoil, the subgrade shall be loosened by disking or by scarifying to a depth of at least 3 inches to permit bonding of the topsoil to the subsoil. Ploos by passing a bulldozer up and down over the entire surface area of the slope to create horizontal erosion check slots to prevent topsoil from sliding down the slope.

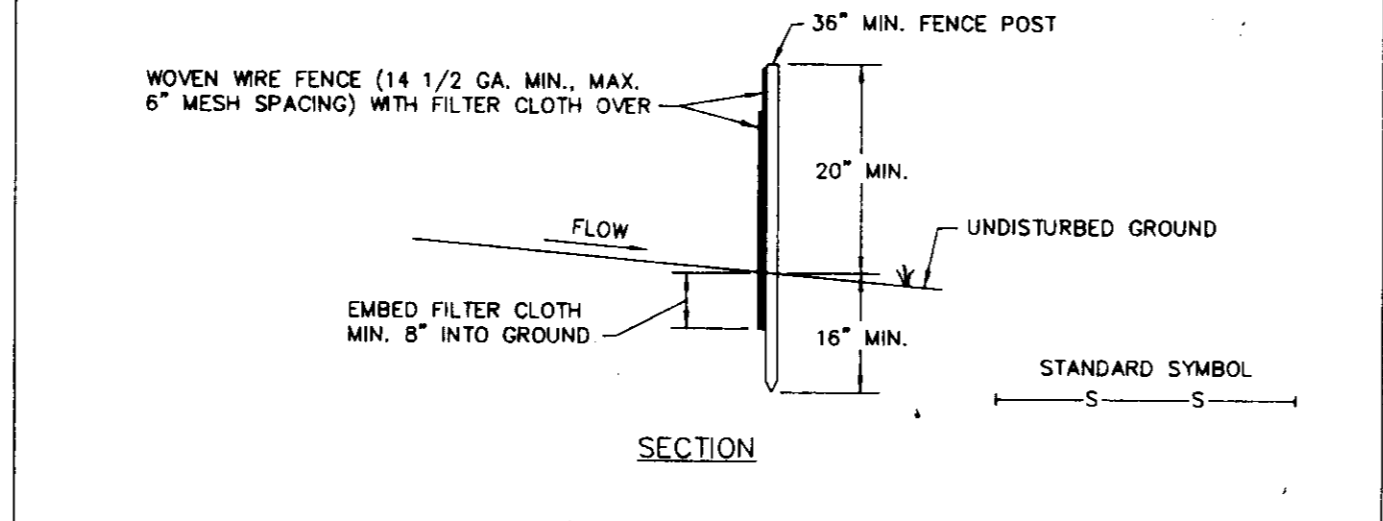
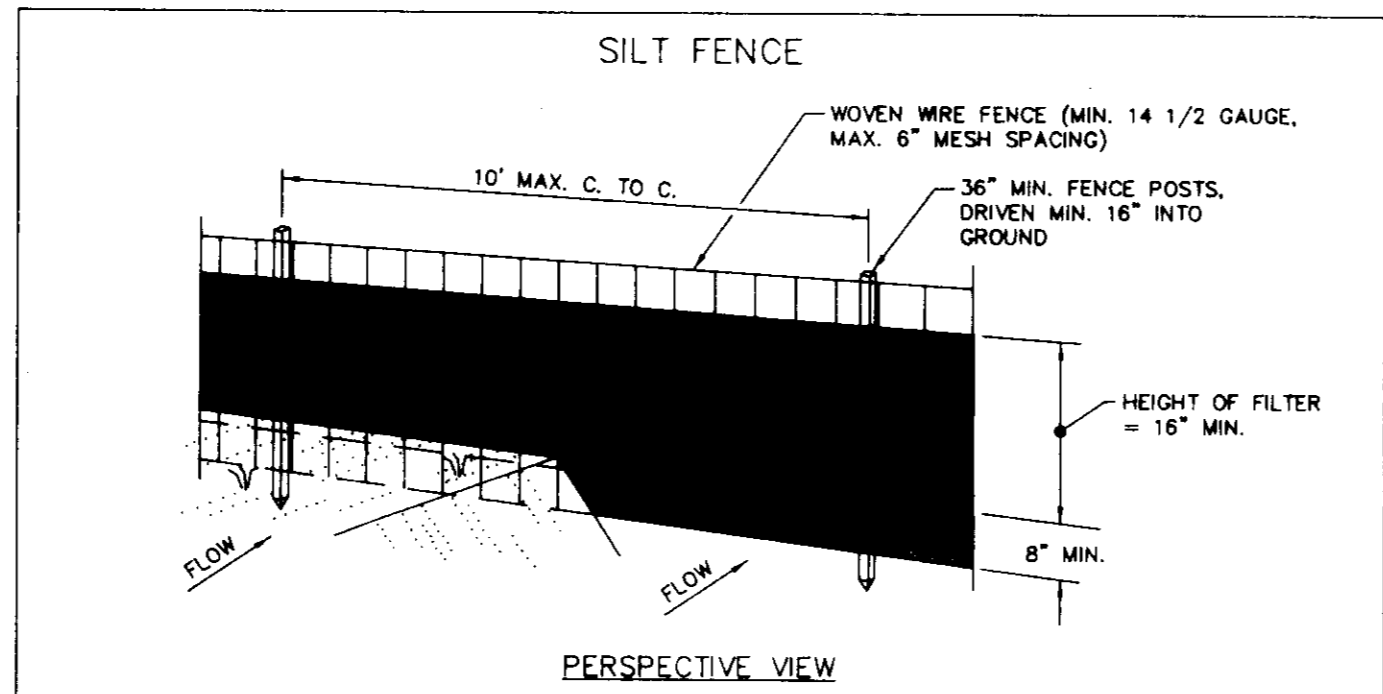
Section 2 - Topsoil Material and Application
 Note: Topsoil salvaged from the existing site may often be used but it should meet the same standards as set forth in these specifications. The depth of topsoil to be salvaged shall be no more than the depth described on a representative profile for that particular soil type as described in the soil survey published by USDA-SCS in cooperation with Maryland Agricultural Experiment Station.
 A. Material: Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand or other soil as approved by an agronomist or soil scientist. It shall not have a mixture of contrasting textured subsoil and contain no more than 5 percent by volume of cinders, slag, coarse fragment, gravel, silt, roots, trash or other extraneous materials larger than 1 1/2 inches in diameter. Topsoil must be free of plants or plant parts of burweed, agrostis, quackgrass, johnsongrass, nutgrass, poison ivy, thistles, or others as specified. All topsoil shall be tested by a recognized laboratory for organic matter content, pH and soluble salts. A pH of 6.0 to 7.5 and an organic content of not less than 1.5 percent by weight is required. If pH value is less than 6.0, lime shall be applied and incorporated with the topsoil to adjust the pH to 6.5 or higher. Topsoil containing soluble salts greater than 500 parts per million shall not be used.
 No seed or seed shall be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed to permit dissipation of toxic materials.
 Note: Topsoil substitutes or amendments as approved by a qualified agronomist or soil scientist, may be used in lieu of natural topsoil.
 B. Grading: The topsoil shall be uniformly distributed and compacted to a minimum of four (4) inches. Spreading shall be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the formation of depressions or water pockets. Top soil shall not be placed while in a frozen or muddy condition, when the subgrade is excessively wet, or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.

Alternative for Permanent Seeding
 As an option to applying the full amount of lime and commercial fertilizer, apply Composted Sludge as specified below, a potassium fertilizer at the rate of 4 pounds per 1,000 square foot and 1/3 the normal lime application rate.

Composted Sludge Material
 Composted sludge for use as a soil amendment or conditioner shall conform to the following requirements:
 1. Be supplied by or originate from a person or persons that are permitted (at the time of acquisition of the compost) by the Maryland Department of Health and Mental Hygiene under Regulation 10.17.10.
 2. Shall contain at least 1 percent nitrogen, 1.5 percent phosphorus and .2 percent potassium and have a pH of 7.0 and 8.0.
 3. Be applied at a rate of 2,000 pounds per 1,000 square feet.

References
 1. Guidelines Specifications, Soil Preparation and Sodding, MD-VA, Pub. #1, Cooperative Extension Service, University of Maryland and Virginia Polytechnic Institutes, Revised 1973.

STANDARD SEDIMENT CONTROL NOTES
 1. A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction, (313-1850).
 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 most current "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", and revisions thereto.
 3. Following initial soil disturbance or redistribution, 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 for 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 seeding (Sec. 51), sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
 6. All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
 7. Site Analysis:
 Total Area of Site: 5.24 Acres
 Area Disturbed: 5.56 Acres
 Area to be roofed or paved: 4.80 Acres
 Area to be vegetatively stabilized: .76 Acres
 Total Cut: 19,000 Cu. Yds.
 Total Fill: 19,000 Cu. Yds.
 Offsite waste/sediment area location: N/A
 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 control must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
 10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
 11. Trenches for the construction of utilities is limited to three pipe lengths or that which can be back filled and stabilized within one working day, whichever is shorter.



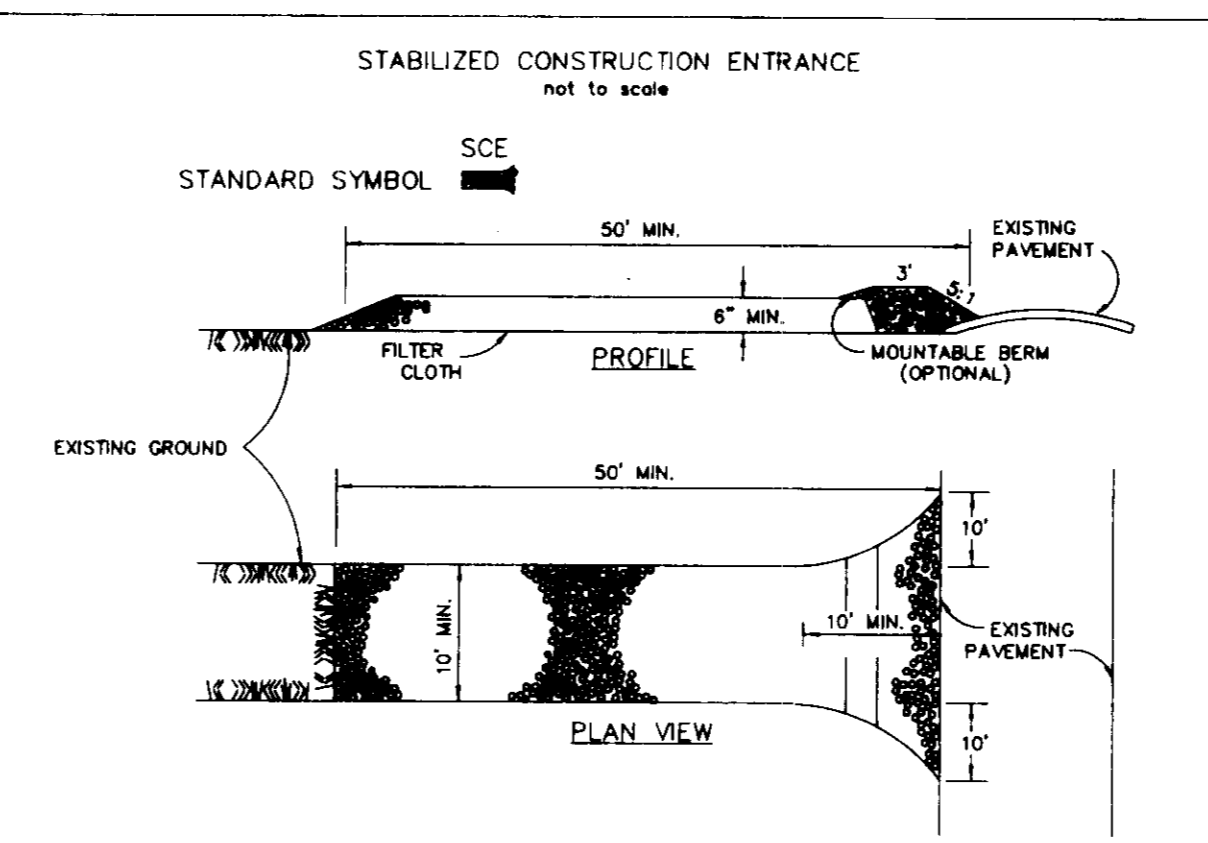
CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.	POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD.	Standard Drawing
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.	FENCE: WOVEN WIRE, 14 1/2 GA. 6" MAX. MESH OPENING.	SF-1
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.	FILTER CLOTH: FILTER X, MIRAFI 100X, STABILIZED TYPED OR APPROVED EQUAL.	
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.	PREFABRICATED UNIT: GEOFAB, ENVIRONMENT, OR APPROVED EQUAL.	

U.S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
 COLLEGE PARK, MARYLAND

PERMANENT SEEDING NOTES
 Apply to graded or cleared areas not subject of immediate further disturbance where a permanent long-lived vegetative cover is needed.
Seedbed Preparation: Loosen upper three inches of soil by raking, disking 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) **Practical:** Apply 2 tons per acre dolomite limestone (92 lbs/1000 sq. ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.) before seeding. Harrow or disk 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 dolomite limestone (92 lbs/1000 sq. ft.) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq. ft.) before seeding. Harrow or disk 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 15 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 will 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 gal 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 seeding 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, disking 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 October 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 (.07 lbs/1000 sq. ft.). For the period November 15 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 weed free 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 additional rates and methods not covered.

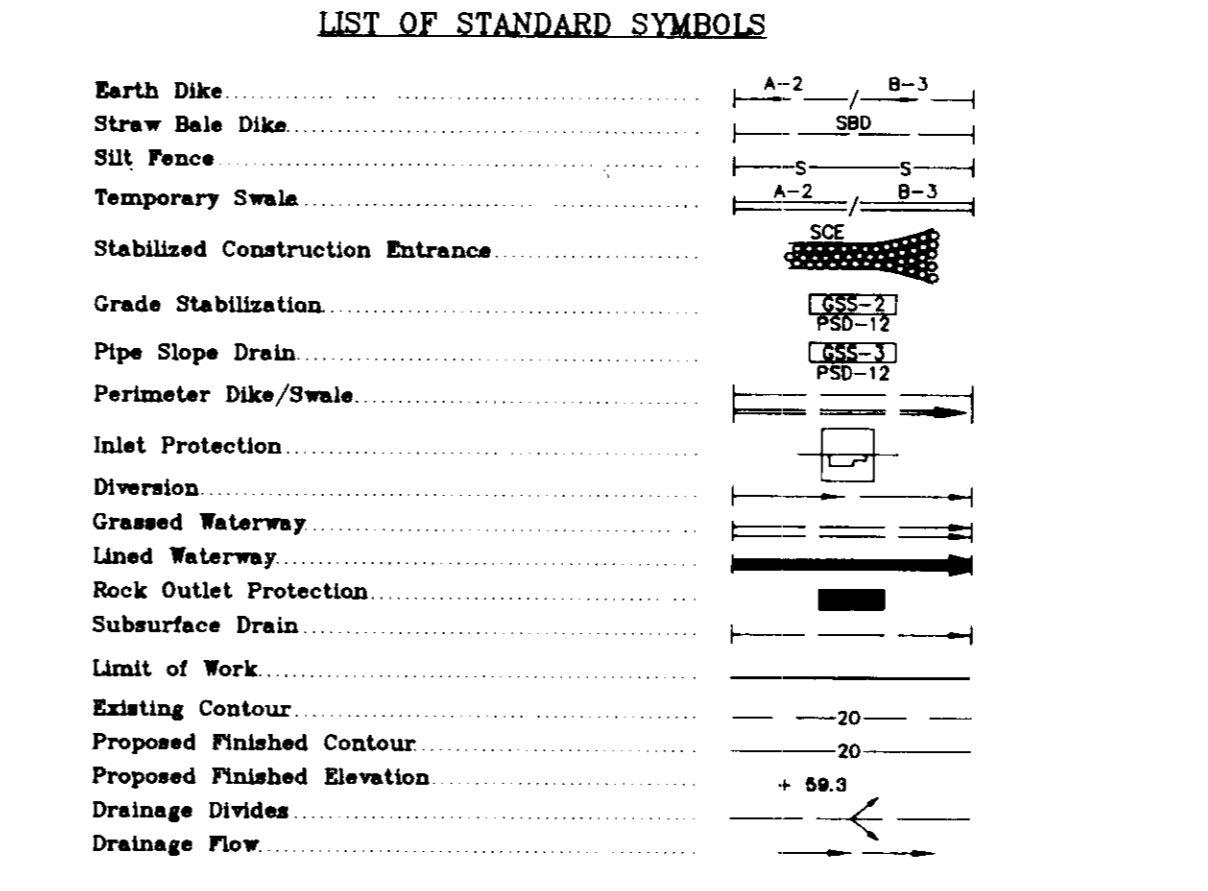


CONSTRUCTION SPECIFICATIONS

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- 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.
- 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 2:1 SLOPES WILL BE PERMITTED.
- 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.
- 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.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

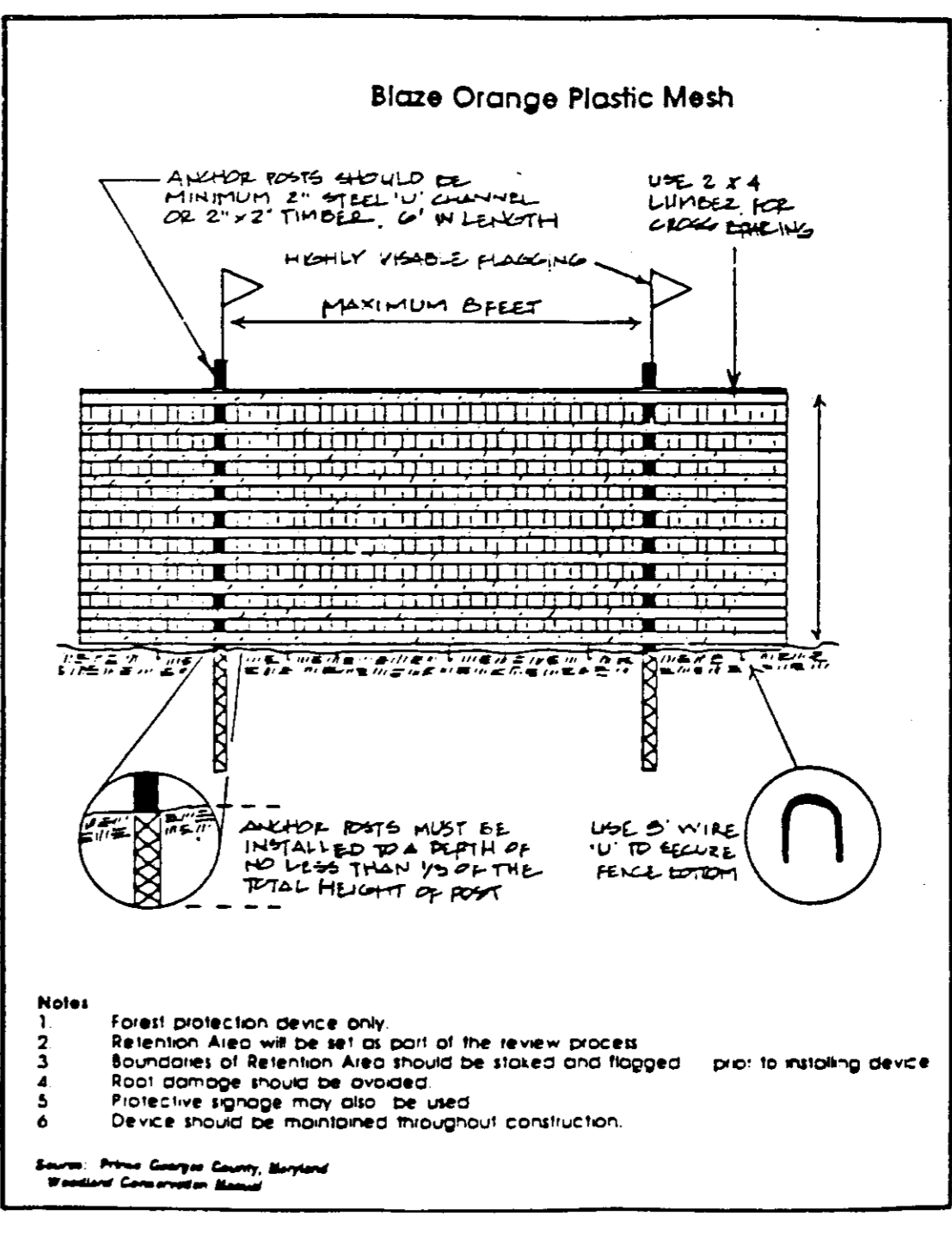
U.S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
 COLLEGE PARK, MARYLAND

STABILIZED CONSTRUCTION ENTRANCE
 Standard Drawing
 SCE-1



SEDIMENT CONTROL SEQUENCE OF CONSTRUCTION

- Obtain grading permit.
- Meet with inspector on-site for pre-construction meeting.
- Begin construction.
- Clear and grub area for new embankment only. Construct embankment, core trench, etc. from embankment station 1+00 to 2+60 providing sediment control (silt fence) for embankment construction.
- Remove old emergency spillway and embankment no longer necessary for new pond and construct new embankment from embankment station 0+00 to 1+00 and tie new embankment and core trench into existing embankment and core trench. Extend existing 42" BCCMP pond outfall and provide rip-rap at new outfall location. Complete pond and site construction with pond functioning as a sediment control trap.
- Stabilize site and clean pond and pond inflows.
- With permission of sediment control inspector remove sediment control devices.



Blaze Orange Plastic Mesh

ANCHOR POSTS SHOULD BE MINIMUM 2" STEEL U CHANNEL OR 2" X 2" TIMBER, 6' W LENGTH

USE 2 X 4 LUMBER FOR CROSS BRACING

HEAVILY VISIBLE FLAGGING

MAXIMUM BEEF

ANCHOR BOTS MUST BE INITIALLY TO A DEPTH OF NO LESS THAN 1/3 OF THE TOTAL HEIGHT OF POST

USE 2" WIRE U TO SECURE FENCE BOTTOM

Notes:

- Forest protection device only
- Retention Area will be set as part of the review process
- Boundaries of Retention Area should be staked and flagged prior to installing device
- Root damage should be avoided
- Protective signage may also be used
- Device should be maintained throughout construction.

Source: Prince George's County, Maryland
 Wetland Conservation Manual

REVIEWED: HOWARD COUNTY HEALTH DEPARTMENT
 NO FACILITIES REQUIRED
 COUNTY HEALTH OFFICER: *Bym* 7-28-93
 APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 DIRECTOR: *Richard Blum* 7/30/93
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT: *Richard Blum* 7/30/93
 APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *James P. Lewis* 7/23/93
 SUPER. BUREAU OF ENGINEERING: *Richard E. Barnes* 7/23/93

SEDIMENT CONTROL & POND CONSTRUCTION

() By the Developer:
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 Signature of Developer: *Thomas Collins* 7-12-93
 Thomas Collins, V.P.
 Signature of Engineer:

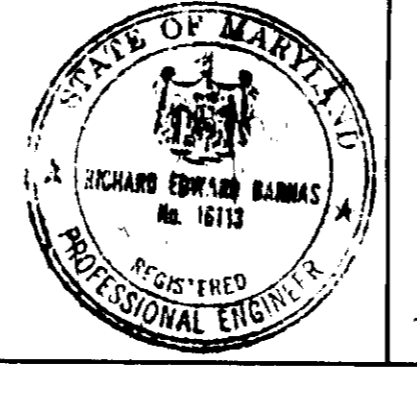
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 Signature of Engineer: *Richard E. Barnes* 7/21/93
 Richard E. Barnes, P.E.
 Signature of Engineer:

() 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.
 Signature of Howard Soil Conservation District: *James M. Helm* 7/21/93
 James M. Helm, Director
 Signature of Howard Soil Conservation District: *Robert W. Zichem* 7/21/93
 Robert W. Zichem, Director

NO.	REVISIONS	BY	APP.	DATE



DRIGGS ASSOCIATES, INC.
 8723 ASHWOOD DRIVE
 CAPITOL HEIGHTS, MD. 20743
 (301) 499-1950



DORSEY RUN ASPHALT PLANT
 STORAGE AREA ADDITION TO SDP-90-28
 HOWARD COUNTY, MARYLAND
 SIXTH ELECTION DISTRICT
 TAX MAP: 48 PARCEL: 129

SHEET TITLE: **NOTES & DETAILS**

OWNER: STATE OF MARYLAND
 DEPARTMENT OF PUBLIC SAFETY
 AND CORRECTIONAL SERVICES
 DIVISION OF CORRECTIONS

DEVELOPER/LESSEE: DRIGGS CORPORATION
 8700 ASHWOOD DRIVE
 CAPITOL HEIGHTS, MD 20743
 (301) 499-1950

DRAWN BY: **TMP**

DESIGNED BY: **REB,HMM**

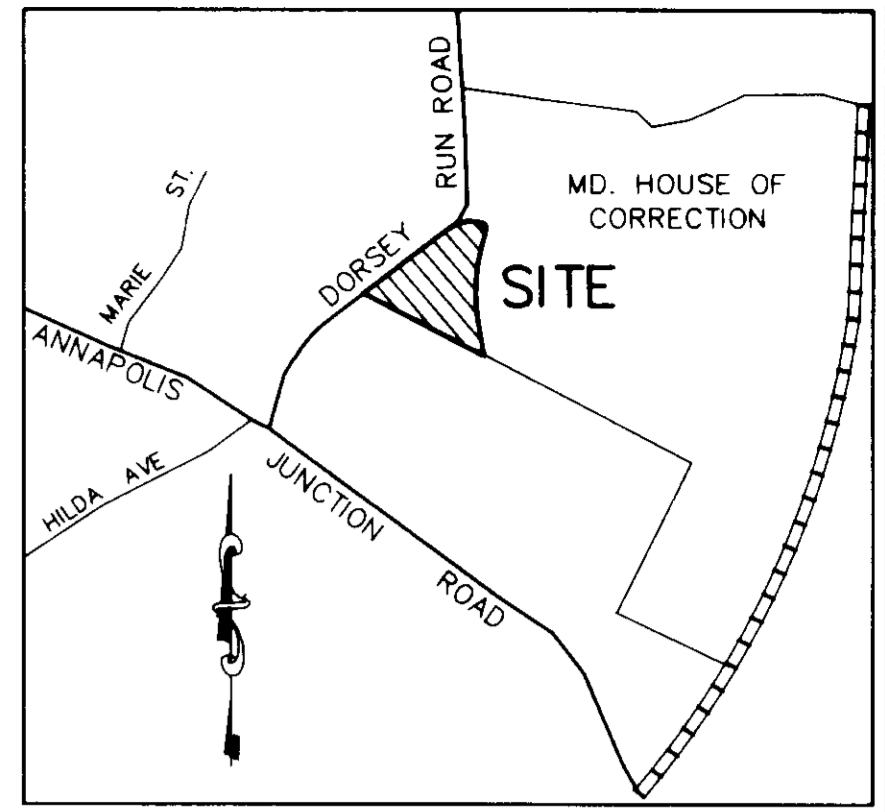
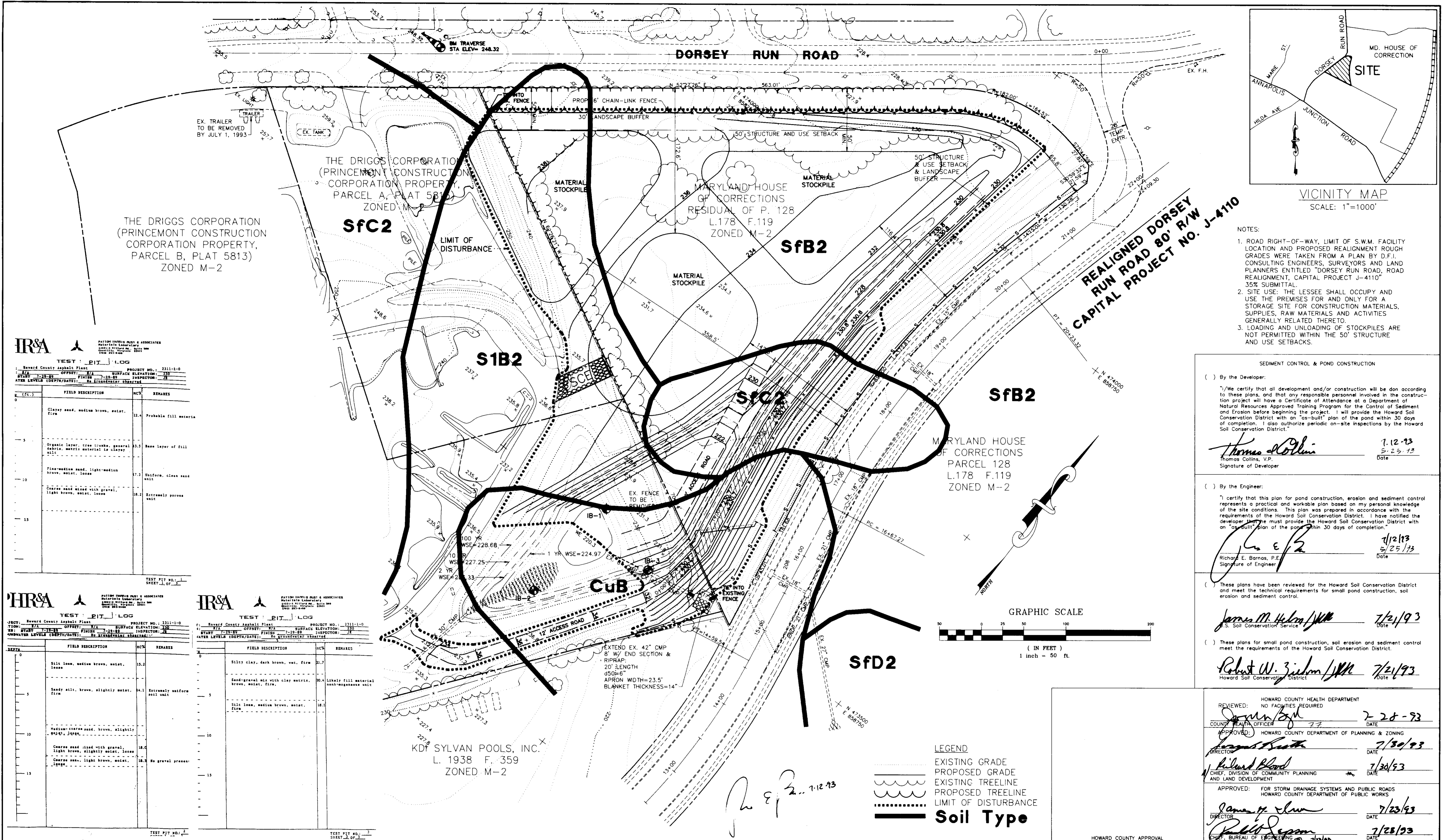
SCALE: **AS SHOWN**

DATE: **1/4/93**

CADD NAME: **AJ-DTL5**
 3/17/93

SHEET **5** OF **7**

SDP-93-62



VICINITY MAP
SCALE: 1"=1000'

- NOTES:
- ROAD RIGHT-OF-WAY, LIMIT OF S.W.M. FACILITY LOCATION AND PROPOSED REALIGNMENT ROUGH GRADES WERE TAKEN FROM A PLAN BY D.F.I. CONSULTING ENGINEERS, SURVEYORS AND LAND PLANNERS ENTITLED "DORSEY RUN ROAD, ROAD REALIGNMENT, CAPITAL PROJECT J-4110" 35% SUBMITTAL.
 - SITE USE: THE LESSEE SHALL OCCUPY AND USE THE PREMISES FOR AND ONLY FOR A STORAGE SITE FOR CONSTRUCTION MATERIALS, SUPPLIES, RAW MATERIALS AND ACTIVITIES GENERALLY RELATED THERETO.
 - LOADING AND UNLOADING OF STOCKPILES ARE NOT PERMITTED WITHIN THE 50' STRUCTURE AND USE SETBACKS.

IR&A PATTON HUNTLE HUNT & ASSOCIATES
REGISTERED PROFESSIONAL ENGINEERS
1000 W. GREENSBORO RD. SUITE 100
GREENSBORO, NC 27409
TEL: 336-335-1111

TEST PIT LOG

1. Howard County Asphalt Plant PROJECT NO.: 2311-1-0
FROM: SFA OFFSET: SFA SURFACE ELEVATION: 230
START: 7/23/93 FINISH: 7/23/93 INSPECTOR: JH
MATERIAL LEVELS (DEPTH/DATE): IN ACCORDANCE WITH STATE

DEPTH	FIELD DESCRIPTION	HCM	REMARKS
0	Clayey sand, medium brown, moist, fine	12.4	Probable fill source
3	Organic layer, straw stubble, general fabric, matrix material is clayey silt	13.2	Base layer of fill
7	Fine-medium sand, light-medium brown, moist, loose	17.3	Uniform, clean sand
10	Coarse sand mixed with gravel, light brown, moist, loose	18.2	Extremely porous
15			

TEST PIT NO. 1
SHEET 1 OF 2

IR&A PATTON HUNTLE HUNT & ASSOCIATES
REGISTERED PROFESSIONAL ENGINEERS
1000 W. GREENSBORO RD. SUITE 100
GREENSBORO, NC 27409
TEL: 336-335-1111

TEST PIT LOG

1. Howard County Asphalt Plant PROJECT NO.: 2311-1-0
FROM: SFA OFFSET: SFA SURFACE ELEVATION: 230
START: 7/23/93 FINISH: 7/23/93 INSPECTOR: JH
MATERIAL LEVELS (DEPTH/DATE): IN ACCORDANCE WITH STATE

DEPTH	FIELD DESCRIPTION	HCM	REMARKS
0	Silty clay, dark brown, wet, firm	11.7	
3	Sandy silt, brown, slightly moist, fine	14.1	Extremely uniform
5	Medium coarse sand, brown, slightly moist, loose	18.0	
10	Coarse sand mixed with gravel, light brown, slightly moist, loose	18.0	No gravel present
15			

TEST PIT NO. 2
SHEET 2 OF 2

IR&A PATTON HUNTLE HUNT & ASSOCIATES
REGISTERED PROFESSIONAL ENGINEERS
1000 W. GREENSBORO RD. SUITE 100
GREENSBORO, NC 27409
TEL: 336-335-1111

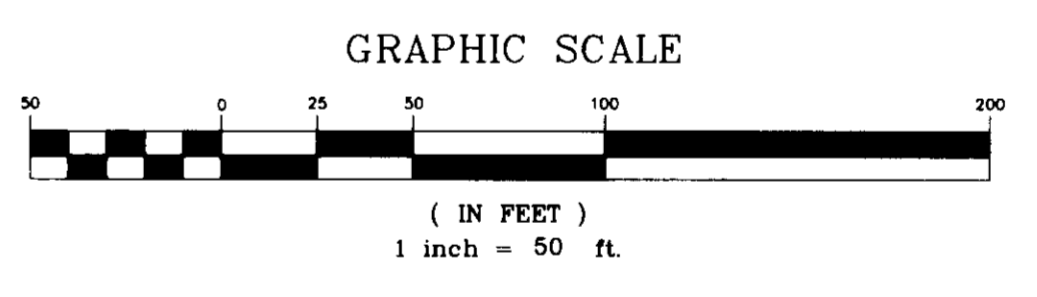
TEST PIT LOG

1. Howard County Asphalt Plant PROJECT NO.: 2311-1-0
FROM: SFA OFFSET: SFA SURFACE ELEVATION: 230
START: 7/23/93 FINISH: 7/23/93 INSPECTOR: JH
MATERIAL LEVELS (DEPTH/DATE): IN ACCORDANCE WITH STATE

DEPTH	FIELD DESCRIPTION	HCM	REMARKS
0	Silt loam, medium brown, moist, loose	13.2	
3	Sandy silt, brown, slightly moist, fine	14.1	Extremely uniform
5	Medium coarse sand, brown, slightly moist, loose	18.0	
10	Coarse sand mixed with gravel, light brown, slightly moist, loose	18.0	No gravel present
15			

TEST PIT NO. 3
SHEET 3 OF 3

KDF SYLVAN POOLS, INC.
L. 1938 F. 359
ZONED M-2



- LEGEND
- EXISTING GRADE
 - PROPOSED GRADE
 - EXISTING TREELINE
 - PROPOSED TREELINE
 - LIMIT OF DISTURBANCE
 - Soil Type

SEDIMENT CONTROL & POND CONSTRUCTION

() By the Developer:

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Thomas Collins 7/12/93
5/25/93
Date
Thomas Collins, V.P.
Signature of Developer

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Richard E. Barnes, P.E. 7/12/93
5/25/93
Date
Richard E. Barnes, P.E.
Signature of Engineer

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James M. Helms 7/21/93
Date
James M. Helms
S.S. Soil Conservation Service

() These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.

Robert W. Ziskin 7/21/93
Date
Robert W. Ziskin
Howard Soil Conservation District

HOWARD COUNTY HEALTH DEPARTMENT
REVIEWED: NO FACILITIES REQUIRED
DATE: 7-28-93

COUNTY HEALTH OFFICER: *[Signature]* 7/28/93

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
DATE: 7/30/93

DIRECTOR: *[Signature]* 7/30/93

APPROVED: DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
DATE: 7/30/93

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT: *[Signature]* 7/23/93

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 7/23/93

DIRECTOR: *[Signature]* 7/23/93

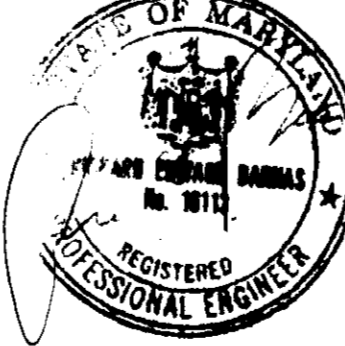
CHIEF, BUREAU OF ENGINEERING: *[Signature]* 7/23/93

HOWARD COUNTY APPROVAL

NO.	REVISIONS	BY	APP.	DATE

DRIGGS ASSOCIATES, INC.

8723 ASHWOOD DRIVE
CAPITOL HEIGHTS, MD. 20743
(301) 499-1950



**DORSEY RUN ASPHALT PLANT
STORAGE AREA ADDITION TO SDP-90-28**

HOWARD COUNTY, MARYLAND
SIXTH ELECTION DISTRICT

TAX MAP: 48 PARCEL: 128

SHEET TITLE: SOILS MAP

OWNER: STATE OF MARYLAND
DEPARTMENT OF PUBLIC SAFETY
AND CORRECTIONAL SERVICES
DIVISION OF CORRECTIONS

DEVELOPER/LESSEE: DRIGGS CORPORATION
8700 ASHWOOD DRIVE
CAPITOL HEIGHTS, MD 20743
(301) 499-1950

DRAWN BY: TMP

DESIGNED BY: REB,HHM

SCALE: 1"=50'

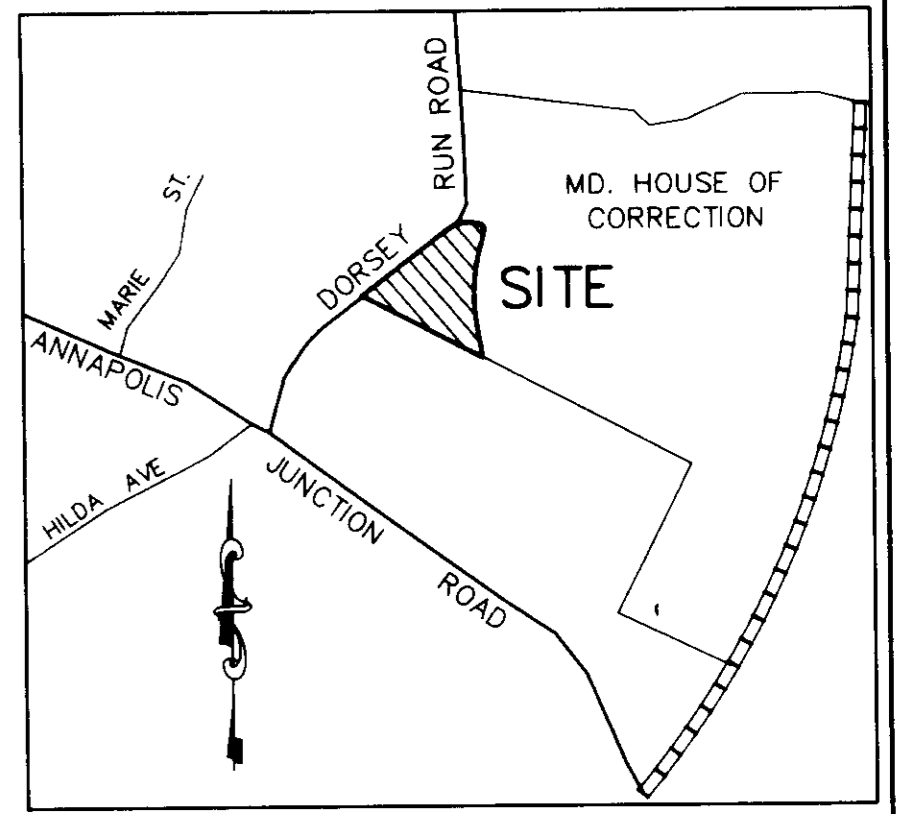
DATE: 1/4/93

CADD NAME: AJ-SP2B
5/24/93

SHEET 6 OF 7

SDP-93-62

NOTES:
 THIS LANDSCAPE PLAN IS PREPARED IN CONFORMANCE WITH SECTION 16.124 OF THE THIRD EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGS. AND THE HOWARD CO. LANDSCAPE MANUAL.



- NOTES:**
- ROAD RIGHT-OF-WAY, LIMIT OF S.W.M. FACILITY LOCATION AND PROPOSED REALIGNMENT ROUGH GRADES WERE TAKEN FROM A PLAN BY D.F.I. CONSULTING ENGINEERS, SURVEYORS AND LAND PLANNERS ENTITLED "DORSEY RUN ROAD, ROAD REALIGNMENT, CAPITAL PROJECT J-4110" 35% SUBMITTAL.
 - SITE USE: THE LESSEE SHALL OCCUPY AND USE THE PREMISES FOR AND ONLY FOR A STORAGE SITE FOR CONSTRUCTION MATERIALS, SUPPLIES, RAW MATERIALS AND ACTIVITIES GENERALLY RELATED THERETO.

**REALIGNED DORSEY RUN ROAD 80' R/W
 CAPITAL PROJECT NO. J-4110**

SCHEDULE A

- PERIMETER LANDSCAPE EDGE**
- LANDSCAPE TYPE: ADJACENT TO ROADWAYS: B
 - ADJACENT TO PERIMETER PROPERTIES: N/A (PROPOSED ACTIVITY IS AN EXTENSION OF EX. FACILITY UNDER COMMON OWNERSHIP)
 - LINEAL FEET OF ROADWAY FRONTAGE: 1,460 L.F. (NET) (EXISTING VEGETATION: YES) (EXISTING VEGETATION: NO)
 - NET: 820 L.F.
 - CIRCUIT FOR WALL, FENCE OR BERM: NO
 - NUMBER OF PLANTS REQ'D:
 SHADE TREES: 17
 EVERGREEN TREES: 21
 SHRUBS: 0
 - NUMBER OF PLANTS PROVIDED:
 SHADE TREES: 17
 EVERGREEN TREES: 21

SCHEDULE B

- PARKING LOT INTERNAL LANDSCAPING**
- NUMBER OF NEW SPACES: 0
 - NUMBER OF TREES REQ'D: 0
 - NUMBER OF TREES PROVIDED: 0

PLANT SCHEDULE

QTY	SCIENTIFIC NAME	COMMON NAME	SIZE	METH.	COMMENTS
17	QUERCUS RUBRA	RED OAK	2 1/2" DBH. CALL	B&B	20' DBH.
15	PRUNUS SPERDIEUS	WHITE CHERRY	1 1/2" DBH.	B&B	15' DBH.
0	ILEX OPACA	AMERICAN HOLLY	1 1/2" DBH.	B&B	10' DBH.

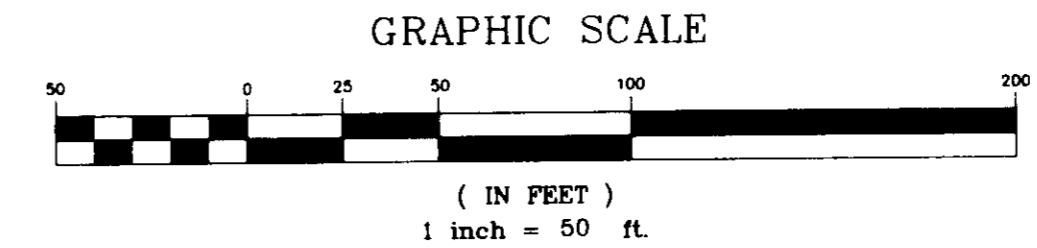
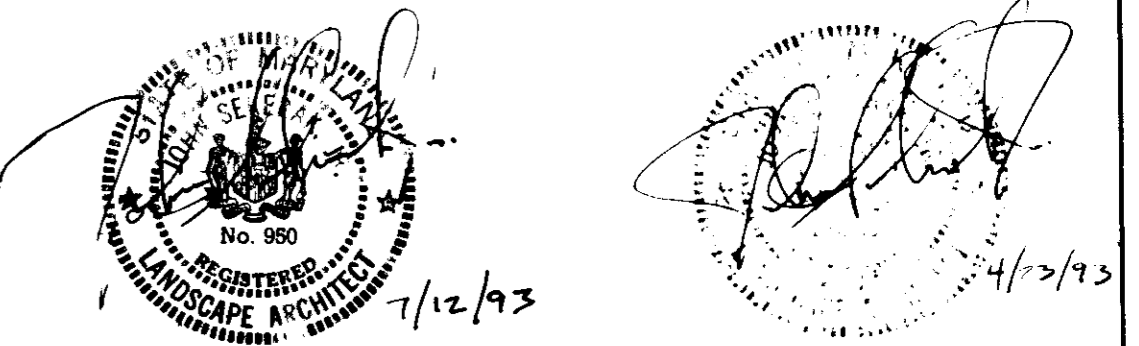
KDF SYLVAN POOLS, INC.
 L. 1938 F. 359
 ZONED M-2

- LEGEND**
- EXISTING GRADE
 - PROPOSED GRADE
 - EXISTING TREELINE
 - PROPOSED TREELINE
 - LIMIT OF DISTURBANCE

PLANTING NOTES

- THIS PLAN IS FOR PLANTING PURPOSES ONLY.
- PLANT MATERIALS SHALL BE EQUAL OR BETTER THAN THE REQUIREMENTS OF THE "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
- PLANT INSTALLATION SHALL COMPLY TO THE STANDARDS IN THE LATEST EDITION OF "LANDSCAPE SPECIFICATION GUIDELINES" PUBLISHED BY THE LANDSCAPE CONTRACTORS ASSOCIATION.
- MAINTENANCE OF INSTALLATION SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE "HOWARD COUNTY LANDSCAPE MANUAL".
- PLANTS SHALL BE PROVIDED WITH IDENTIFICATION TAGS AND TAGS SHALL NOT BE REMOVED UNTIL FINAL CERTIFICATION BY THE LANDSCAPE ARCHITECT.
- PROTECTION OF EXISTING WOODLAND TO REMAIN TO BE PROVIDED BY THE PROPOSER & HIGH GULF OR PROPERLY INSTALLED SAFETY FENCING AS A TEMPORARY MEASURE UNTIL THE PERMANENT FENCING CAN BE PROVIDED. SEE SHEET SDP-93-62 FOR DETAIL.
- EXISTING WOODLAND TO REMAIN IS IN GOOD CONDITION DOMINATED BY MIXED OAKS (UP TO 20' DBH) WITH BEECH (UP TO 18' DBH) WITH ONE-STOREY DOGWOODS.
- THE STREET TREES SHOWN ARE INDICATED FOR DESIGN PURPOSES ONLY AND ARE NOT A PART OF THIS APPLICATION AND HAVE NOT BEEN PROVIDED AS A CONTRIBUTION TO THE NEW ROADWAY CONSTRUCTION (SDP-93-62).

PLANNED BY: LEON FRENKEL FOR: DRIGGS ASSOC., INC.
 BY: JAMES DEBEVERLY, JR., A.S.L.A.
 LANDSCAPE ARCHITECT / LAND PLANNER



REVIEWED:	HOWARD COUNTY HEALTH DEPARTMENT	NO FACILITIES REQUIRED	7-28-93
COUNTY HEALTH OFFICER:	<i>[Signature]</i>	DATE:	7/28/93
APPROVED:	HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING	DATE:	7/28/93
DIRECTOR:	<i>[Signature]</i>	DATE:	7/28/93
APPROVED:	CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT	DATE:	7/28/93
DIRECTOR:	<i>[Signature]</i>	DATE:	7/28/93
APPROVED:	FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS	HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	7/28/93
DIRECTOR:	<i>[Signature]</i>	DATE:	7/28/93
CHIEF, BUREAU OF ENGINEERING	<i>[Signature]</i>	DATE:	7/28/93

NO.	REVISION	DATE	BY	DATE

DRIGGS ASSOCIATES, INC.
 8723 ASHWOOD DRIVE
 CAPITOL HEIGHTS, MD. 20743
 (301) 499 1950

**DORSEY RUN ASPHALT PLANT
 STORAGE AREA ADDITION TO SDP-90-28**
 HOWARD COUNTY, MARYLAND
 SIXTH ELECTION DISTRICT
 Tax Map 43, PARCEL 128

SHEET TITLE:	LANDSCAPE PLAN	DRAWN BY:	TMP	CADD NAME:	AJ-SP2B
OWNER:	STATE OF MARYLAND DEPARTMENT OF PUBLIC SAFETY AND CORRECTIONAL SERVICES DIVISION OF CORRECTIONS	DESIGNED BY:	REB,HMM	SHEET	7
DEVELOPER/LESSEE:	DRIGGS CORPORATION 8700 ASHWOOD DRIVE CAPITOL HEIGHTS, MD 20743 (301) 499-1950	SCALE:	1"=50'	OF	7
DATE:	1/4/93	DATE:	1/4/93		

SDP-93-62