



**HOWARD SOIL CONSERVATION DISTRICT  
STANDARD SEDIMENT CONTROL NOTES**

- 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, (313-1855).
- All vegetative and structural practices are to be installed according to the provisions and are to be in accordance with the most current "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", and revisions thereto.
- Following construction of any disturbance, 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 to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 7, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL (Section 6) for permanent seeding, sod, temporary seeding, and mulching. Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- 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.
- Site Analysis:  
Total Area of Site: 0.229 Acres  
Area Disturbed: 0.113 Acres  
Area to be roofed or paved: 0.217 Acres  
Total Area to be Stabilized: 0.116 Acres  
Total Fill: 51 Cu. Yds.  
Off-site waste/borrow area location:  
Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance. Additional sediment control must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
- 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.
- 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.

**HOWARD SOIL CONSERVATION DISTRICT  
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, 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:

- PREFERRED** — Apply 2 tons per acre dolomitic limestone (92 lbs/1000sq. ft.) and 800 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/1000sq. ft.).
- ACCEPTABLE** — Apply 2 tons per acre dolomitic limestone (92 lbs/1000sq. 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/1000sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs per acre (1.4 lbs/1000sq. ft.) of Kentucky 31 Tall Fescue and 2 lbs. per acre (0.5 lbs/1000sq. 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 per acre Kentucky 31 Tall Fescue and mulch 2 tons / acre well anchored straw.

**MULCHING** — Apply 1/2 to 2 tons per acre (70 to 90 lbs/1000sq. ft.) of unrattled small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000sq. ft.) of emulsified asphalt on f. at grades. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000sq. 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 redistributed 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/1000sq. ft.).

**SEEDING** — For periods March 1 thru April 30, and from August 15 thru October 15 seed with 2-12 bushels per acre of annual ryegrass (3.2 lbs/1000sq. ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (.07 lbs/1000sq. 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.

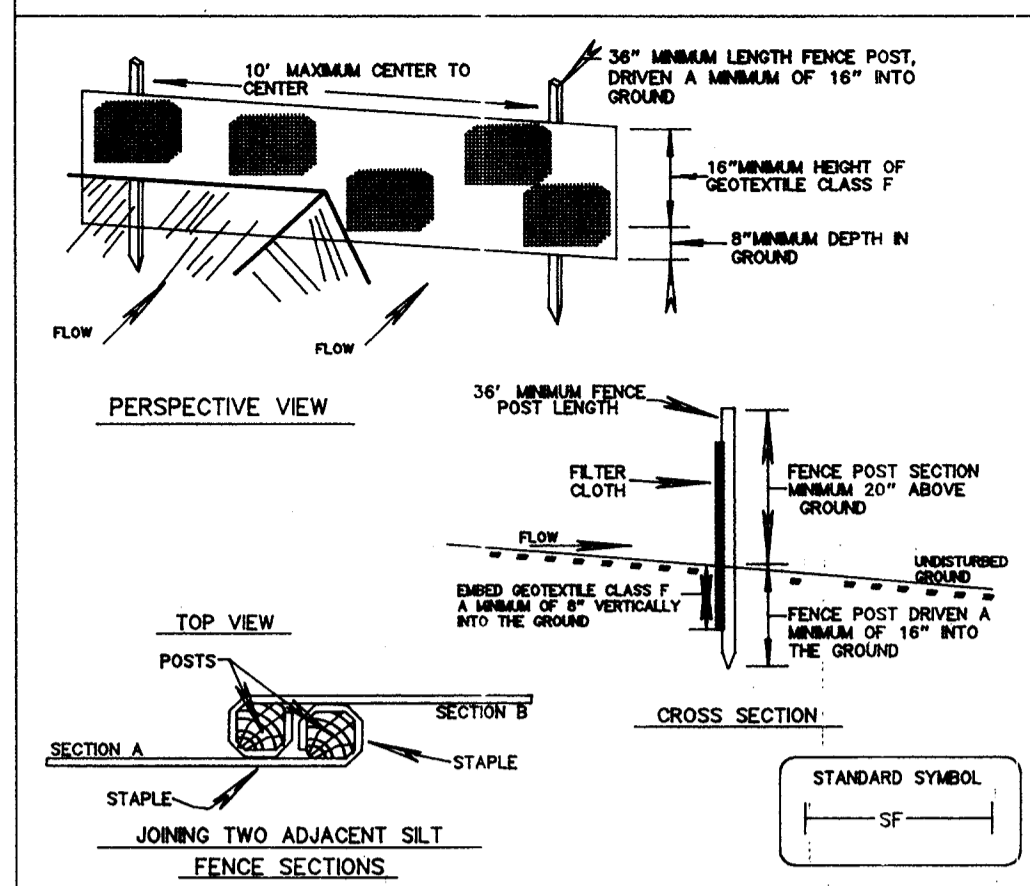
**MULCHING** — Apply 1/2 to 2 tons per acre (70 to 90 lbs/1000sq. ft.) of unrattled weed free small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000sq. ft.) of emulsified asphalt on f. at grades. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000sq. ft.) for anchoring.

Refer to the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for additional rates and methods not covered.

**INFILTRATION TRENCH  
OPERATION AND MAINTENANCE SCHEDULE**

- THE STRUCTURE SHALL BE INSPECTED AND REPAIRED AT LEAST ANNUALLY.
- THE INLET GRATE SHALL BE INSPECTED ON A REGULAR BASIS, ESPECIALLY AFTER LARGE STORM EVENTS. PAPER, TRASH AND DEBRIS SHALL BE REMOVED FROM THE INLET GRATE AS NECESSARY.
- THE OBSERVATION WELL SHALL BE CHECKED AFTER EVERY MAJOR STORM EVENT TO INSURE THE TRENCH IS DRAINING WITHIN THE REQUIRED 72 HOUR PERIOD. CORRECTIVE MAINTENANCE IS REQUIRED ANY TIME THE TRENCH DOES NOT DRAIN DOWN COMPLETELY WITHIN 96 HOURS.
- VEGETATION GROWING WITHIN THE TRENCH AREA SHALL NOT EXCEED 18 INCHES IN HEIGHT AT ANY TIME.

**DETAIL 22 - SILT FENCE**



**CONSTRUCTION SPECIFICATIONS**

- Fence posts shall be a minimum of 36" long driven 18" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard I or U channel weighting not less than 2.00 pound per linear foot.
- Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements:  
a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.  
b. 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.  
c. The signal soil to be vegetated contains material toxic to plant growth.  
d. The soil is so acidic that treatment with limestone is not feasible.

**21.0 STANDARD AND SPECIFICATIONS FOR TOPSOIL**

**Definition**  
Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

**Purpose**  
To provide a suitable soil medium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

**Conditions Where Practice Applies**

- This practice is limited to areas having 2:1 or flatter slopes where:  
a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.  
b. 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.  
c. The signal soil to be vegetated contains material toxic to plant growth.  
d. The soil is so acidic that treatment with limestone is not feasible.

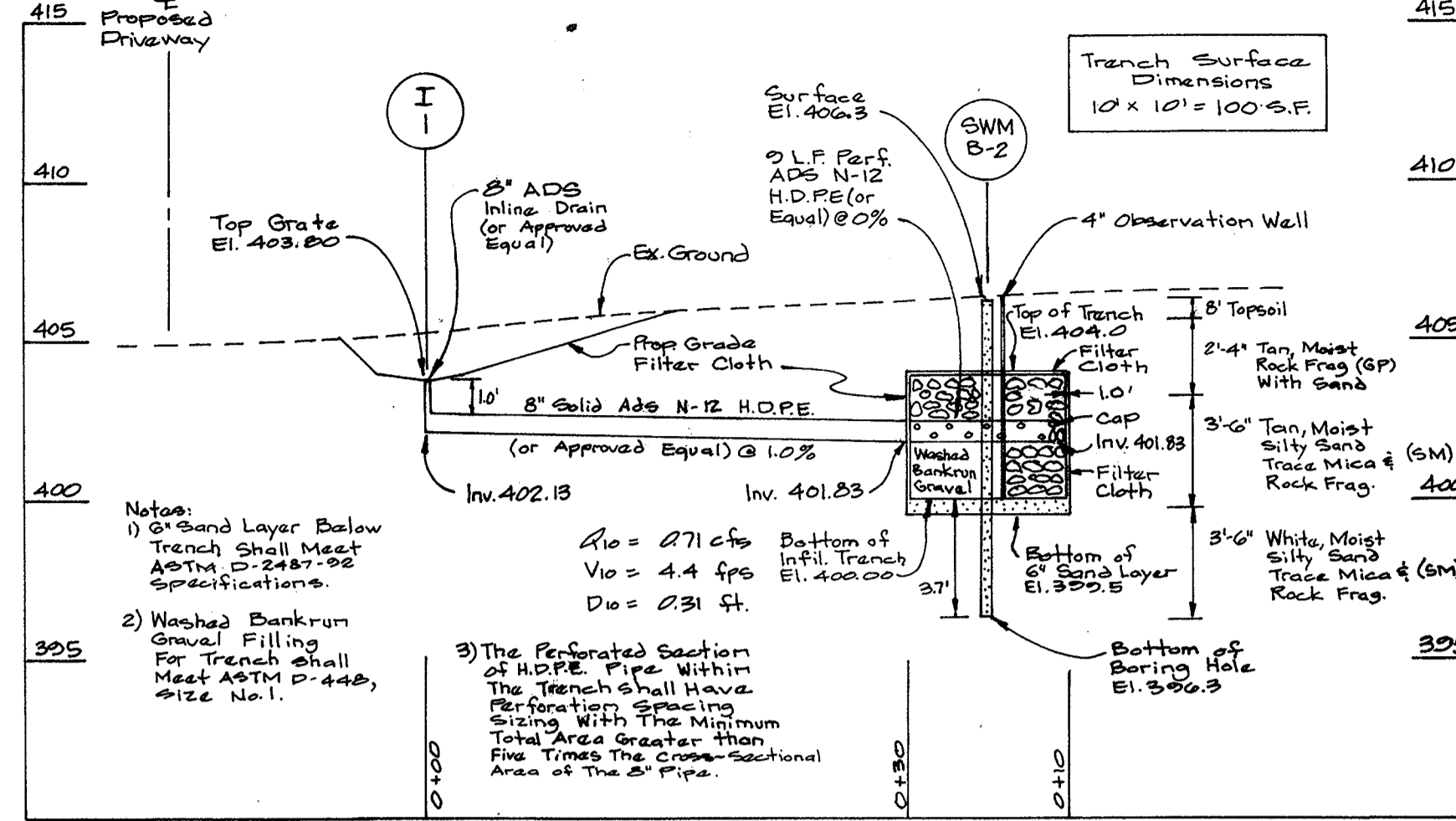
**Topsoil Application**

- When topsoiling, maintain needed erosion and sediment control practices such as diversions, Grade Stabilization Structures, Earth Dikes, Slope Silt Fence and Sediment Traps and Basins.  
ii. Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4" - 8" higher in elevation.  
iii. Topsoil shall be uniformly distributed in a 4" - 8" layer and lightly compacted to a minimum thickness of 4". Spreading shall be performed in such a manner that adding 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.  
iv. Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.

**Alternative for Permanent Seeding** — Instead of applying the full amounts of lime and commercial fertilizer, composted sludge and amendments may be applied as specified below:

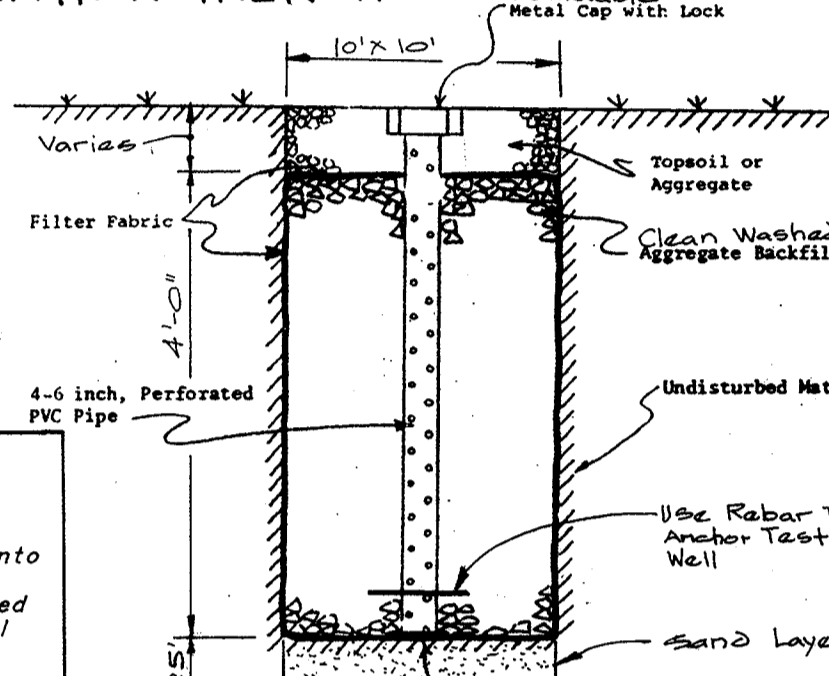
- Composted Sludge Material for use as a soil conditioner for sites having disturbed areas over 5 acres shall be tested to assure the amendments and for sites having disturbed areas under 5 acres shall conform to the following requirements:  
a. Composted sludge shall be supplied by, or originate from, a person or persons that are permitted (at the time of acquisition of the compost) by the Maryland Department of the Environment under COMAR 26.04.06.  
b. Composted sludge shall contain at least 1 percent nitrogen, 1.5 percent phosphorus, and 0.2 percent potassium and have a pH of 7.0 to 8.0. If compost does not meet these requirements, the appropriate constituents must be added to meet the requirements prior to use.  
c. Composted sludge shall be applied at a rate of 1 ton/1,000 square feet.

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



**PRIVATE STORM DRAIN AND INFILTRATION TRENCH PROFILE**

Scale: H: 1" = 10', V: 1" = 5'



**OBSERVATION WELL DETAIL**

SEQUENCE OF CONSTRUCTION

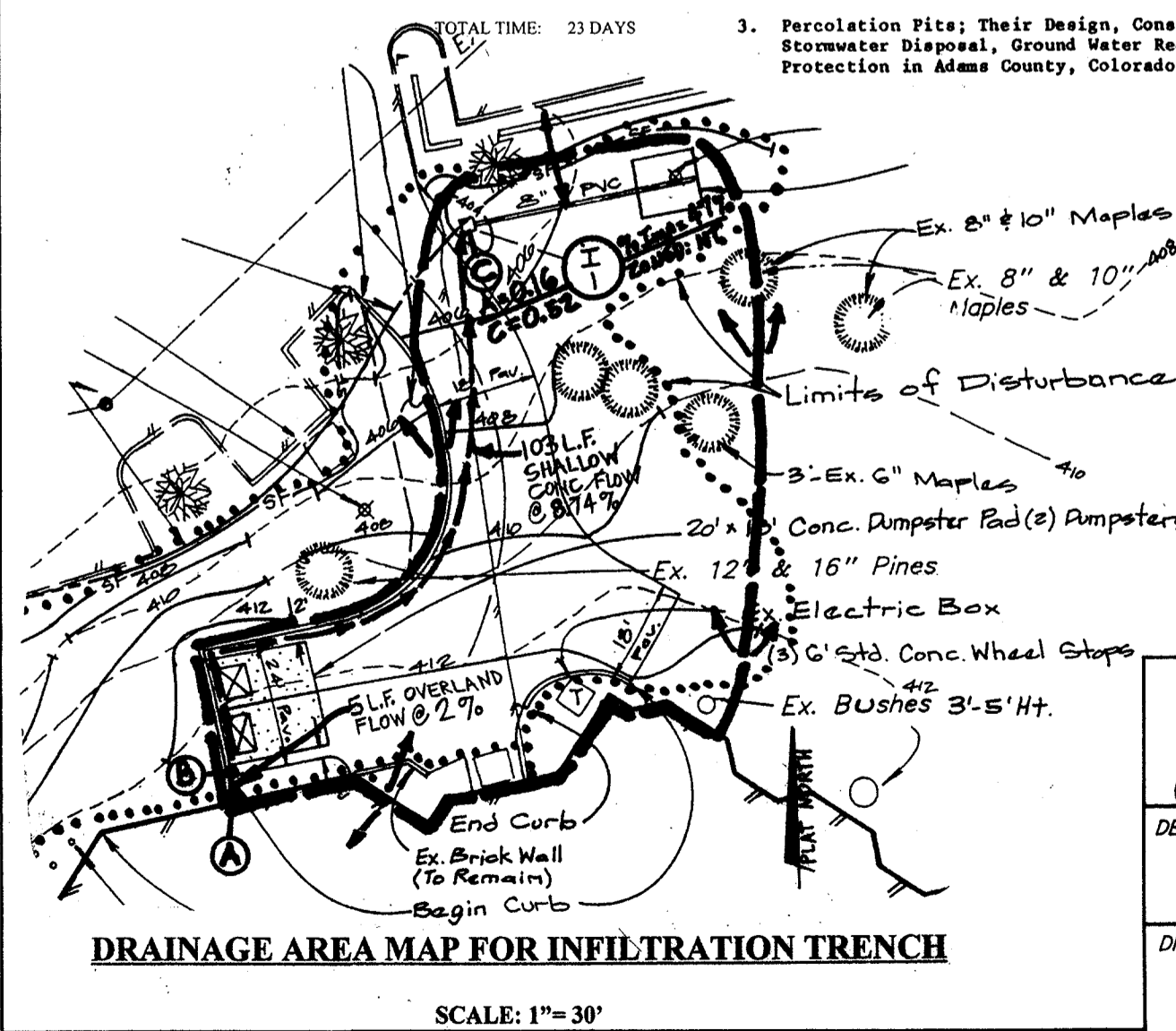
- Obtain grading permit. 1 DAY
  - Notify the Howard County Department of Public Works, Construction Inspection Division at least 48 hours prior to beginning construction at (410) 313-1880. 1 DAY
  - Install silt fence. 1 DAY
  - Remove existing driveway paving, sidewalks and pathways in accordance with the approved plan. 5 DAYS
  - Grade site per approved grading plan. 2 DAYS
  - Stabilize all areas not to be paved in accordance with the permanent seeding notes. Stabilize all other areas in accordance with the temporary seeding notes. 1 DAY
  - Final grade for proposed driveway, handicap ramp and concrete sidewalks/stairs. 1 DAY
  - Install curb along prop. driveway per plan. 2 DAYS
  - Install gravel base for driveway, concrete dumpsite pad, handicap ramp, and concrete sidewalks/stairs. 2 DAYS
  - Install base and surface paving for driveway. 1 DAY
  - Stabilize all remaining disturbed areas in accordance with the permanent seeding notes. 1 DAY
  - Once all drainage areas to the trench are completely stabilized, install 1-1/2" solid H.D.P.E. pipe to infiltration trench, and infiltration trench. 3 DAYS
  - With permission from the Sediment Control Inspector, remove all remaining silt fence. Stabilize all remaining disturbed areas in accordance with the permanent seeding notes. 2 DAYS
- TOTAL TIME: 23 DAYS

**INFILTRATION TRENCH CONSTRUCTION SPECIFICATIONS**

- 3.3.6.1. Timing**  
An infiltration trench shall not be constructed or placed in service until all of the contributing drainage area has been stabilized and approved by the responsible inspector.
- 3.3.6.2. Trench Preparation**  
Excavate the trench to the design dimensions. Excavated materials shall be placed away from the trench sides to enhance trench wall stability. Large tree roots must be trimmed flush with the trench sides in order to prevent fabric puncturing or tearing during subsequent installation procedures. The side walls of the trench shall be roughened where sheared and sealed by heavy equipment.
- 3.3.6.3. Fabric Laydown**  
The filter fabric roll must be cut to the proper width prior to installation. The cut width must include sufficient material to conform to trench perimeter irregularities and for a 6-inch minimum top overlap. Place the fabric roll over the trench and unroll a sufficient length to allow placement of the fabric down into the trench. Stakes or other anchoring objects should be placed on the fabric at the edge of the trench to keep the lined trench open during windy periods. When overlaps are required between rolls, the upstream roll should lap a minimum of 2 feet over the downstream roll in order to provide a shingled effect. The overlap ensures fabric continuity or to ensure that the fabric conforms to the excavation surface during aggregate placement and compaction.
- 3.3.6.4. Stone Aggregate Placement and Compaction**  
The stone aggregate should be placed in lifts and compacted using plate compactors. As a rule of thumb, a maximum loose lift thickness of 12 inches is recommended. The compaction process ensures fabric conformity to the excavation sides, thereby reducing the potential for soil piping, fabric clogging, and settlement problems.
- 3.3.6.5. Overlapping and Covering**  
Following the stone aggregate placement, the filter fabric shall be folded over the stone aggregate to the opposite edge of the trench. The desired fill soil or stone aggregate shall be placed over the lap at sufficient intervals to maintain the lap during subsequent backfilling.
- 3.3.6.6. Contamination**  
Care shall be exercised to prevent natural or fill soils from intermingling with the stone aggregate. All contaminated stone aggregate shall be removed and replaced with uncontaminated stone aggregate.
- 3.3.6.7. Voids Behind Fabric**  
Voids can be created between the fabric and excavation sides and shall be avoided. Removing boulders or other obstacles from the trench walls is one source of such voids. Natural soils should be placed in these voids at the most convenient time during construction to ensure fabric conformity to the excavation sides. Soil piping, fabric clogging, and possible surface subsidence will be avoided by this remedial process.
- 3.3.6.8. Unstable Excavation Sides**  
Vertically excavated walls may be difficult to maintain in areas where the soil moisture is high or where soft cohesive or cohesionless soils predominate. These conditions may require laying back of the side slopes to maintain stability; trapezoidal rather than rectangular cross sections may result.
- 3.3.6.9. Vegetative Buffer**  
A vegetative buffer of at least 20 feet (wider, if possible) shall be used to intercept surface runoff from all impervious areas.
- 3.3.6.10. Traffic Control**  
Heavy equipment and traffic shall be restricted from travelling over the infiltration areas to minimize compaction of the soil.
- 3.3.6.11. Observation Well**  
An observation well, as described in subsection 3.3.4.8 and Figure 3-5 shall be provided. The depth of the well at the time of installation will be clearly marked on the well cap.
- 3.3.7. Maintenance**  
Infiltration trenches shall be designed to minimize maintenance. However, it is recognized that all infiltration facilities are subject to clogging by sediment, oil, grease, grit and other debris. In addition, the performance and longevity of these structures is not well documented. Consequently, a monitoring observation well is required for all infiltration structures.  
The observation well shall be monitored periodically. For the first year after completion of construction, the well should be monitored on a quarterly basis and after every large storm. It is recommended that a log book be maintained indicating the rate at which the facility weathers after large storms and the depth of the well for each observation. Once the performance characteristics of the structure have been verified, the monitoring schedule can be reduced to an annual basis, unless the performance data indicate a more frequent schedule is required.  
Sediment build-up in the top foot of stone aggregates or the surface inlet should be monitored on the same schedule as the observation well. A monitoring well in the top foot of stone aggregate will be required when the trench has a stone surface. Sediment deposited shall not be allowed to build up to the point where it will reduce the rate of infiltration into the trench.

**OPERATION AND MAINTENANCE SCHEDULE FOR PROPOSED PRIVATE INFILTRATION FACILITY**

- THE MONITORING WELLS AND STRUCTURES SHALL BE INSPECTED ON A QUARTERLY BASIS AND AFTER EVERY LARGE STORM EVENT.
- WATER LEVELS AND SEDIMENT BUILD UP IN THE MONITORING WELLS SHALL BE RECORDED OVER A PERIOD OF SEVERAL DAYS TO INSURE TRENCH DRAINAGE.
- A LOG BOOK SHALL BE MAINTAINED TO DETERMINE THE RATE AT WHICH THE FACILITY WEATHERS.
- WHEN THE FACILITY BECOMES CLOGGED SO THAT IT DOES NOT DRAIN DOWN WITHIN THE 72 HOUR TIME PERIOD, CORRECTIVE ACTION SHALL BE TAKEN.
- THE MAINTENANCE LOG BOOK SHALL BE AVAILABLE TO HOWARD COUNTY FOR INSPECTION TO INSURE COMPLIANCE WITH OPERATION AND MAINTENANCE CRITERIA.
- ONCE THE PERFORMANCE CHARACTERISTICS OF THE INFILTRATION FACILITY HAVE BEEN VERIFIED, THE MONITORING SCHEDULE CAN BE REDUCED TO AN ANNUAL BASIS UNLESS THE PERFORMANCE DATA INDICATES THAT A MORE FREQUENT SCHEDULE IS REQUIRED.



**REVISIONS**

No.	Date	By	Description

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*[Signature]* 1/15/99  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

*[Signature]* 9/10/99  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

*[Signature]* 8/21/99  
DIRECTOR

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.

*[Signature]* 9/10/99  
DATE

*[Signature]* 8/1/99  
DATE

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

*[Signature]* 8/10/99  
DATE

**ENGINEER'S CERTIFICATE**

"I HEREBY CERTIFY THAT THE SOIL EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICABLE AND FEASIBLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE PROJECT AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL."

*[Signature]* 8/1/99  
DATE

**DEVELOPER'S CERTIFICATE**

"I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY REGULATORY PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL AND MONITORING OF SOIL EROSION AND SEDIMENTATION. I ALSO AUTHORIZE PERIODIC INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

*[Signature]* 8/2/99  
DATE

**APPROVED PLANNING BOARD OF HOWARD COUNTY**

DATE: 29 July 1999

**STATE OF MARYLAND**  
REGISTERED PROFESSIONAL ENGINEER  
*[Signature]*

SUBDIVISION NAME	Columbia - Village of Oakland Mills	SECTION/AREA	2/4	PARCEL/LOT NO.	320/7
PLAT NO.	18/73	BLOCK NO.	N/A	TAX MAP NO.	36
WATER CODE	E03	SEWER CODE	5532600	ELECTION DISTRICT	6
				CENSUS TRACT	6066.03

**LDE, INC.**  
9250 Rumsey Road, Suite 106, Columbia, MD 21045  
(410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

DESIGNED: Sediment Control & Stormwater Management  
SDH Construction Notes & Details  
DRAWN: SMC  
CHECKED: BDB  
DATE: 3/99

SCALE: AS SHOWN  
DRAWING: 2 of 3  
JOB NO.: 98-087  
FILE NO.: SDP 99-157

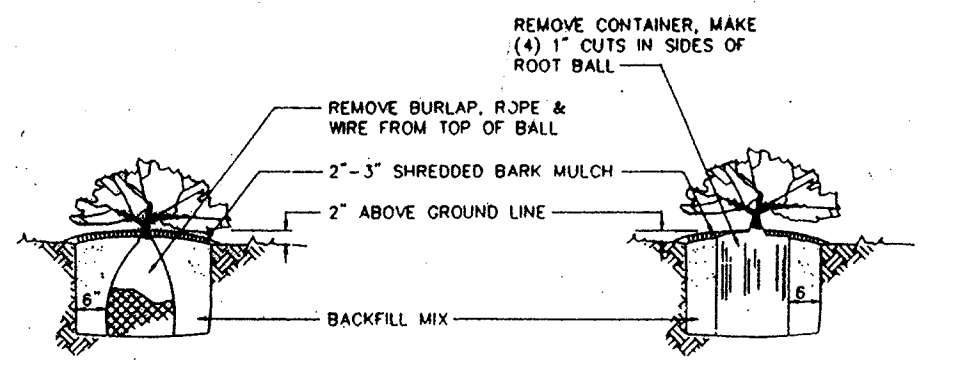
Oakland Mills Interfaith Center  
5885 Robert Oliver Place  
Columbia, Maryland 21045  
(410) 715-1070

**LANDSCAPE NOTES**

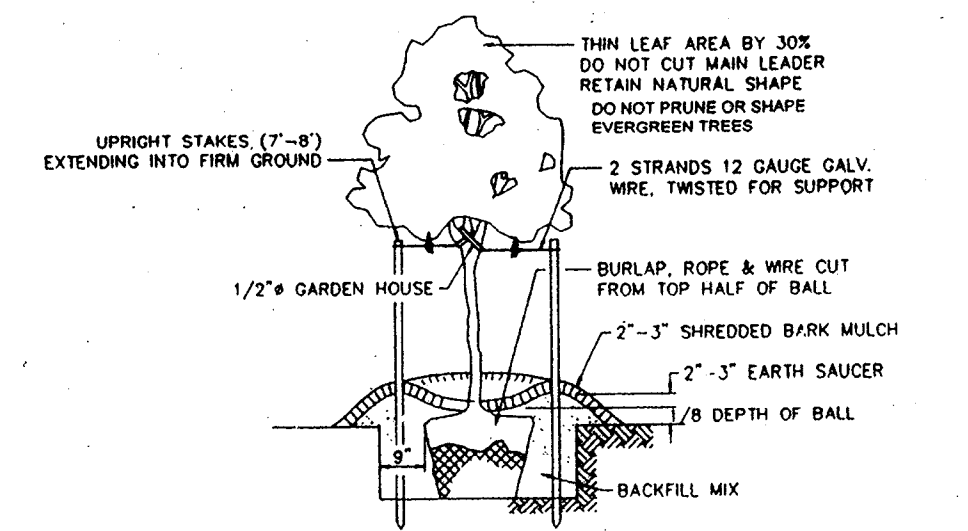
- This plan has been prepared in accordance with the provisions of section 16.124 of The Howard County subdivision and Land Development Regulations and The Howard County Landscape Manual.
- All plants and planting shall conform to 'Landscape Specification Guidelines' by LCA, MD, DC, & VA; latest edition.
- Financial surety for the required landscaping shown on this plan has been posted as part of this development in the amount of \$ 642.00

**PLANT LIST:**

Key	Quantity	Size	Botanical/Common Name	Remarks
<b>Shrubs:</b>				
AB.Gr.	39	18-24"	Azalea x 'Edward Goucher'	3.5' O.C.
			Edward Goucher Azalea	
AZ.	25	12-15"	Azalea 'Nancy of Robin Hill'	2' O.C.
C.AP.	7	18-24"	Cotoneaster apiculata	3' O.C.
			Cranberry Cotoneaster	
I.CR.	77	18-24"	Ilex crenata 'Green Luster'	2.5' O.C.
			Green Luster Japanese Holly	
J.SAR.	77	18-24"	Juniperus sargentii	3' O.C.
			Sargent's Juniper	
L.OB.	24	18-24"	Ligustrum obtus. regelianum	3.5' O.C.
			Regel Privet	
LIR.	70	1 qt.	Liriodie spic. 'Silver Dragon'	15' O.C.
			Silver Dragon Lilyturf	
SP.L.P.	21	15-18"	Spirea jap. 'Little Princess'	2.5' O.C.
			Little Princess Spirea	
T.BAC.	19	18-24"	Taxus baccata repandens	3' O.C.
			Weeping English Yew	
V.PL.	10	24-30"	Viburnum plic. 'Mariesii'	4' O.C.
			Mariesi Doublefile Viburnum	
<b>Trees:</b>				
CR.VIR.	2	8-10'	Crataegus vir. 'Winter King'	
			B&B Winter King Hawthorn	
PR.YED.	3	2" cal.	Prunus x yedoensis	
			B&B Yoshino Cherry	
Z.SER.	4	2.5" cal.	Zelkova ser. 'Green Vase'	
			B&B Green Vase Zelkova	
<b>Grasses:</b>				
P.AL.	16	3 gal.	Pennisetum alopecuroides	4' O.C.
			Fountain Grass	



2 B&B SHRUBS CONTAINER SHRUBS NOT TO SCALE



1 TREE PLANTING : UP TO 4\"/>

SUBDIVISION NAME		Columbia - Village of Oakland Mills	SECTION/AREA	2/4	PARCEL/LOT NO.	320/7					
PLAT NO.	18/73	BLOCK NO.	N/A	ZONE	NEW TOWN	TAX MAP NO.	36	ELECTION DISTRICT	6	CENSUS TRACT	6066.03
WATER CODE		E03		SEWER CODE		5532600					

ROBERT OLIVER PLACE

SANTIAGO ROAD

SANTIAGO ROAD

**SCHEDULE A PERIMETER LANDSCAPE EDGE**

Category	Adjacent to Roadways	Adjacent to Perimeter Properties
Landscape Type	C	
Linear Feet of Frontage/Perimeter	Dumpster	64 L.F.
Credit for Existing Vegetation (Yes, No, Linear Feet) (Describe below if needed)	NO	
Credit for Wall, Fence or Berm (Yes, No, Linear Feet) (Describe below if needed)	FENCE YES - 64 L.F.	
Number of Plants Required		
Shade Trees	1:40 = 2	
Evergreen Trees	1:20 = 3	
Shrubs		
Number of Plants Provided		
Shade Trees	-	
Evergreen Trees	-	
Other Trees (2:1 substitution)	-	
Shrubs (10:1 substitution)	-	
(Describe plant substitution credits below if needed)	33 SHRUBS (B&B SUBSTITUTION MEETS REQUIREMENTS)	

NOTE: DUMPSTER ENCLOSURE FENCE MEETS TOTAL REQUIREMENT.

The Existing onsite shade trees, Evergreens, & Shrubs Fully Meet the Perimeter Landscape Edge Requirements, if Substitutions are Considered. The Proposed Plantings Shown Herein are in Excess of the Landscape Ordinance Requirements.

**SCHEDULE B PARKING LOT INTERNAL LANDSCAPING**

Number of Parking Spaces	245 SPACES
Number of Trees Required	1:20 = 13 TREES REQ'D
Number of Trees Provided	22 EX. SHADE TREES
Shade Trees	3 EX. EVERGREEN TREES
Other Trees (2:1 substitution)	

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*[Signature]* 9/15/99  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

*[Signature]* 9/20/99  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

*[Signature]* 9/21/99  
DIRECTOR

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.

*[Signature]* 8/11/99  
NATURAL RESOURCE CONSERVATION SERVICE

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

*[Signature]* 8/10/99  
HOWARD SOIL CONSERVATION DISTRICT

**ENGINEER'S CERTIFICATE**

"I HEREBY CERTIFY THAT THESE PLANS FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE DESIGN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE AND THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

*[Signature]* 8/4/99  
SIGNATURE OF ENGINEER

**DEVELOPER'S CERTIFICATE**

"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 THE ENVIRONMENT 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]* 8/21/99  
SIGNATURE OF DEVELOPER

APPROVED PLANNING BOARD OF HOWARD COUNTY

DATE 29 July 1999

STATE OF MARYLAND  
LANDSCAPE ARCHITECTS

*[Signature]*

FARRAND & ENGLISH, INC.  
Civil Engineers / Landscape Architects  
416 Lyman Avenue, Balto., MD 21212  
410 435-3400

ARIUM, INC. ARCHITECTS  
5537 Twin Knolls Road, Suite 435  
Columbia, Md. 21045

**LDE, INC.**  
9250 Rumsey Road, Suite 106, Columbia, MD. 21045  
(410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

DESIGNED	SDH	Landscape Plan	AS SHOWN
DRAWN	SMC	Oakland Mills Interfaith Center	DRAWING
CHECKED	BDB	Columbia	3 of 3
DATE	3/99	Village of Oakland Mills	JOB NO.
		Section 2 - Area 4 - Lot 7	98-087
		Tax Map No. 36 - Grid 3 - P/O Parcel 320	FILE NO.
		6th Election District Howard County, Maryland	SDP99157
		Owner/Developer	
		Oakland Mills Interfaith Center	
		5885 Robert Oliver Place	
		Columbia, Maryland 21045	
		(410) 730-4090	

Users/land/CONROY, OAKLAND MILLS/LDPE.S70