

SITE DEVELOPMENT PLAN

AUTUMN VIEW

SECTION 5, PHASE 3 F(01-192)

LOTS 328 TO 334 & O.S. LOT 335

SECTION 5, PHASE 4 (F-03-08)

LOTS 336 TO 345, 348, 349 & O.S. LOT 379

& SECTION 5, PHASE 4 (F-05-60)

LOTS 399, 400 & 401 TO 408.

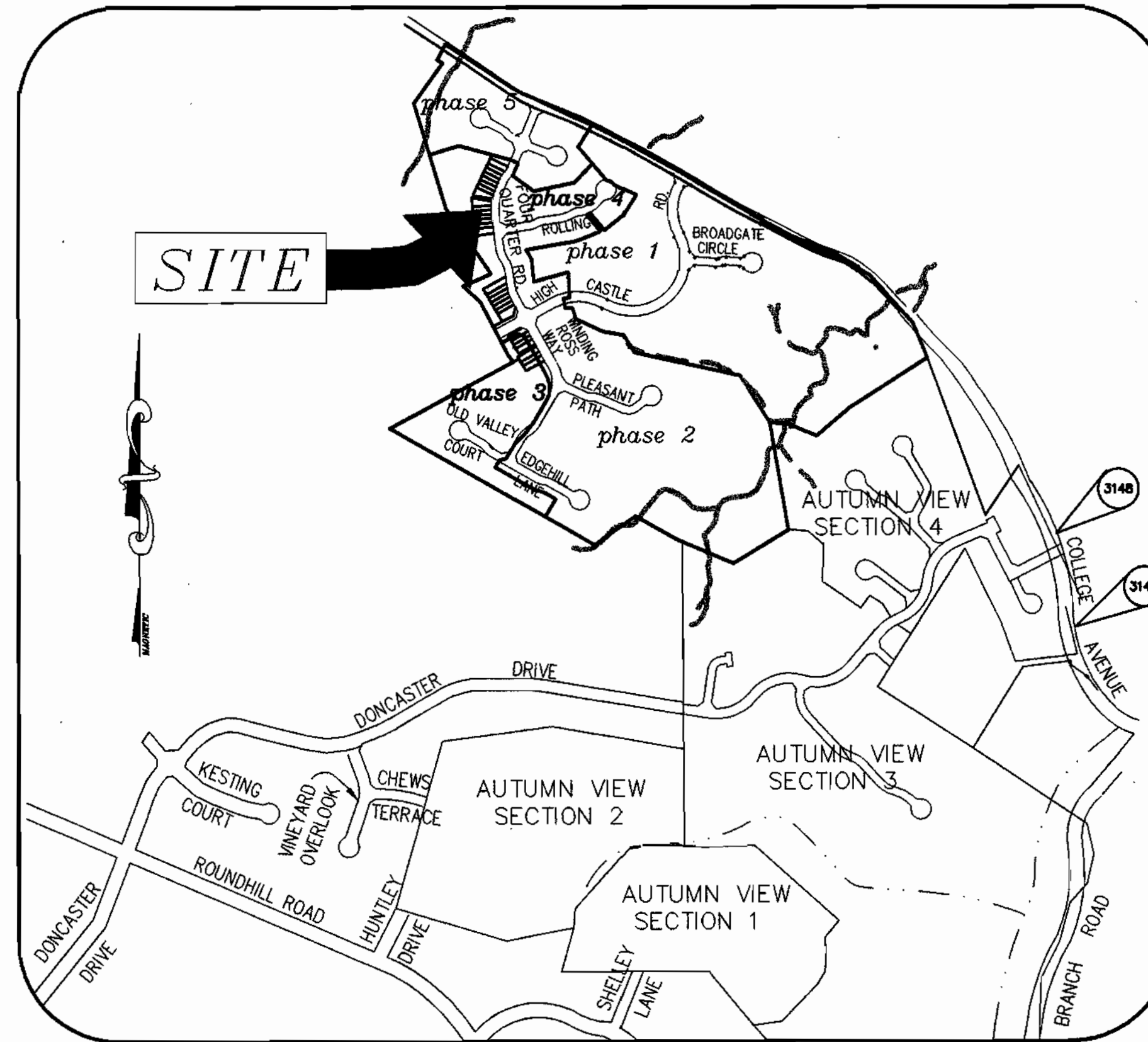
SECOND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SHEET INDEX	
SHEET	TITLE
1	COVER SHEET
2	GRADING & SEDIMENT CONTROL PLAN
3	GRADING & SEDIMENT CONTROL PLAN
4	SEDIMENT CONTROL NOTES AND DETAILS

ADDRESS CHART

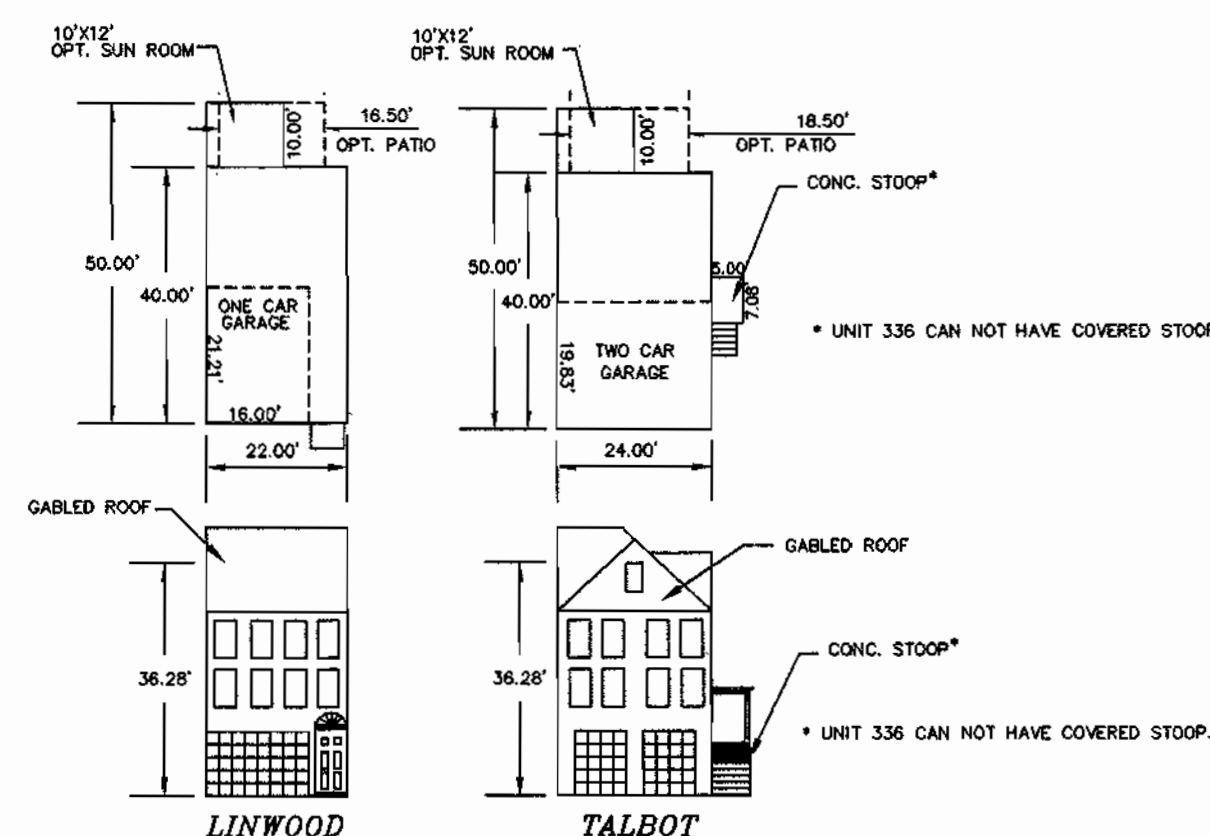
UNIT NO.	STREET ADDRESS
328	8114 WINDING ROSS WAY
329	8112 WINDING ROSS WAY
330	8110 WINDING ROSS WAY
331	8108 WINDING ROSS WAY
332	8104 WINDING ROSS WAY
333	8102 WINDING ROSS WAY
334	8100 WINDING ROSS WAY
336	8068 FOUR QUARTER ROAD
337	8066 FOUR QUARTER ROAD
338	8064 FOUR QUARTER ROAD
339	8062 FOUR QUARTER ROAD
340	8060 FOUR QUARTER ROAD
341	8058 FOUR QUARTER ROAD
342	8056 FOUR QUARTER ROAD
343	8042 FOUR QUARTER ROAD
344	8040 FOUR QUARTER ROAD
345	8038 FOUR QUARTER ROAD
346	8036 FOUR QUARTER ROAD
347	8034 FOUR QUARTER ROAD
348	8032 FOUR QUARTER ROAD
349	8030 FOUR QUARTER ROAD
350	8024 FOUR QUARTER ROAD
351	8022 FOUR QUARTER ROAD
352	8020 FOUR QUARTER ROAD
353	8018 FOUR QUARTER ROAD
354	8016 FOUR QUARTER ROAD
355	8014 FOUR QUARTER ROAD
356	8012 FOUR QUARTER ROAD
357	8010 FOUR QUARTER ROAD

FRONT LOT DIMENSIONS			
LOT #	DIMENSION	LOT #	DIMENSION
328	29.50	343	29.53
329	22.00	344	22.06
330	29.50	345	22.06
331	29.50	348	22.07
332	22.00	349	22.27
333	22.00	399	22.14
334	29.50	400	21.94
336	20.05	401	14.96
337	22.00	402	22.13
338	22.00	403	22.02
339	22.08	404	22.02
340	22.38	405	22.02
341	22.94	406	22.02
342	35.04	407	22.75
		408	30.26



VICINITY MAP

SCALE: 1"=1000'



PERMIT INFORMATION CHART			
SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL NO.	SEE TITLE BLOCK FOR LOT NUMBERS
AUTUMN VIEW	PHASE 3 & 4		
PLAT # OR L/F	GRID #	ZONING	TAX MAP NO.
15962-64	3	R-ED	25, 31
16581-83			
17117			
17351-17353			
WATER CODE	SEWER CODE	ELECT. DIST.	CENSUS TRACT
F-05, G-01		SECOND	602200
			1252300

GENERAL NOTES:

- THE SUBJECT PROPERTY IS ZONED R-ED PER THE 02/02/04 COMPREHENSIVE ZONING PLAN.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY, AND MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/ CONSTRUCTION INSPECTION DIVISION AT (410)-313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) DAYS PRIOR TO ANY EXCAVATION WORK:
 - MISS UTILITY 1-800-257-7777
 - C&T TELEPHONE COMPANY (410) 725-8876
 - HOWARD COUNTY BUREAU OF UTILITIES (410) 313-4800
 - AT&T CABLE LOCATION DIVISION (410) 393-3533
 - BALTIMORE GAS & ELECTRIC (410) 685-0123
 - STATE HIGHWAY ADMINISTRATION (410) 531-5533
 - HOWARD COUNTY DEPT. OF PUBLIC WORKS/ CONSTRUCTION INSPECTION DIVISION (410) 313-1880
- PROJECT BACKGROUND:
 - LOCATION: TAX MAP 31 PARCEL 4
 - ZONING: R-ED
 - ELECTION DISTRICT: 2ND
 - SECTION: 5
 - PHASE: 3 & 4
 - GROSS AREA: 3 & 4, 1.54± Ac
 - NUMBER OF LOTS: 29
 - PREVIOUS DPZ FILE NUMBERS: S-99-01, PB-329, PB-354, F-98-45, F-01-15, S-01-23, F-01-38, F-01-38, F-01-192, AMENDED S-99-01, P-02-09, F-01-192, F-03-008, F-05-1A, F-05-1B
- BOUNDARIES BASED ON A FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT MARCH 1987 BY MILDENBERG, BOENDER & ASSOCIATES, INC.
- COORDINATES BASED ON HAD'S MARYLAND COORDINATE SYSTEMS AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO 3147 AND 3148.
 - STA. 3147 N575598.0794, E137581.7884, EL.335.987
 - STA. 3148 N578015.4313, E1375770.4364, EL.378.248
- ALL DRIVEWAY ENTRANCES FOR THIS PROJECT WILL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL R 6.03. LOCAL TRAVELWAY PAVING IS TO BE TYPE P-2 PAVING, SEE DETAIL ON SHEET 3.
- HOWARD COUNTY STANDARD R-3.01-MODIFIED COMBINATION CURB AND GUTTER WILL BE USED, UNLESS OTHERWISE NOTED.
- STORM WATER MANAGEMENT IS PRIVATELY OWNED AND MAINTAINED BY THE H.O.A. AND WILL BE PROVIDED BY THE METHOD OF EXTENDED DETENTION.
- WETLANDS AND STREAM DELINEATION FOR ALL OF AUTUMN VIEW SECTION 5 IS BY CHESAPEAKE ENVIRONMENTAL MANAGEMENT, INC. DATED DECEMBER 1995.
- CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES ON SITE PRIOR TO COMMENCING CONSTRUCTION.
- TRAFFIC STUDY BY TRAFFIC GROUP, DATED JUNE 4, 1998, APPROVED AUGUST 20, 1999.
- PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT. WATER AND SEWER ARE PUBLIC. CONTRACT NO. 14-3898-D.
- THIS PLAN CONFORMS TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATION.
- FOREST CONSERVATION OBLIGATIONS IN ACCORDANCE WITH SECTION 16.1202 OF THE HOWARD COUNTY CODE AND THE FOREST CONSERVATION MANUAL HAVE BEEN SATISFIED BY PLACEMENT OF A TOTAL OF 82.67 ACRES IN A FOREST CONSERVATION EASEMENT (41.22 ACRES OF RETENTION UNDER AUTUMN VIEW, SECTION 3 (F-99-45) 7.59 ACRES OF RETENTION UNDER AUTUMN VIEW, SECTION 5, PHASE 1 (F-01-23), AND 13.86 ACRES OF RETENTION UNDER AUTUMN VIEW, SECTION 5, PHASE 2 (F-01-38) BREAK EVEN POINT FOR THE ACREAGE OF AUTUMN VIEW, SECTIONS 3, 4, AND 5 (PHASE 1 THRU 4). THE REMAINING 3.01 ACRES IS TO BE CREDITED TOWARD THE FUTURE PHASES OF AUTUMN VIEW, SECTION 5.
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
 - A) WIDTH - 12 FEET (14 FEET SERVING MORE THAN ONE RESIDENT)
 - B) SURFACE - 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING
 - C) GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM OF 45-FOOT RADIUS
 - D) STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING)
 - E) DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE.
 - F) STRUCTURE CLEARANCES - MINIMUM 12 FEET
 - G) MAINTENANCE - SUFFICIENT TO ENSURE ALL WEATHER USE.
- PER SECTION 128 OF THE ZONING REGULATIONS, BAY WINDOWS, CHIMNEYS, OR EXTERIOR STAIRWAYS NOT MORE THAN 16 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY SETBACK PORCHES OR DECKS, OPEN OR ENCLOSED MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT OR REAR YARD SETBACK.
- DRY WELLS TO BE USED ON LOTS 328-334 AND 336-357.
- STREET TREES, PRIMETER PLANTINGS AND SIDE STREET TREE PLANTINGS SHALL BE IN ACCORDANCE WITH SECTION 16.124 OF THE LANDSCAPE MANUAL AND SHALL BE PROVIDED AS SHOWN ON THE ROAD CONSTRUCTION DRAWINGS FOR F-01-192 AND F-03-08. SURETY HAS BEEN POSTED WITH THE DEVELOPER'S AGREEMENT.
- THE HOME OWNER'S ASSOCIATION DOCUMENTS HAVE BEEN RECORDED ON 02/28/2001, LIBER 800229 FOLIO 1248. IDENTIFICATION NO. D06178222.
- ALL GARAGES ARE FOR PARKING OF VEHICLES AND CAN NOT BE CONVERTED TO LIVING/STORAGE SPACE.

DEVELOPER'S CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 PERSONS ON-SITE INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

Robert S. Dwyer 2-24-05
SIGNATURE OF DEVELOPER DATE

Robert L. Dwyer Jr.
PRINTED NAME OF DEVELOPER

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

[Signature] 2/24/05
SIGNATURE OF ENGINEER DATE

JOHN B. MILDENBERG
PRINTED NAME OF ENGINEER

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

Jim Meyer 3/1/05
NRA - NATURAL RESOURCE CONSERVATION SERVICE DATE

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

John K. Robertson 3/1/05
HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

[Signature] 4/1/05
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

[Signature] 4/1/05
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

[Signature] 4/1/05
DIRECTOR DATE

OWNER/BUILDER

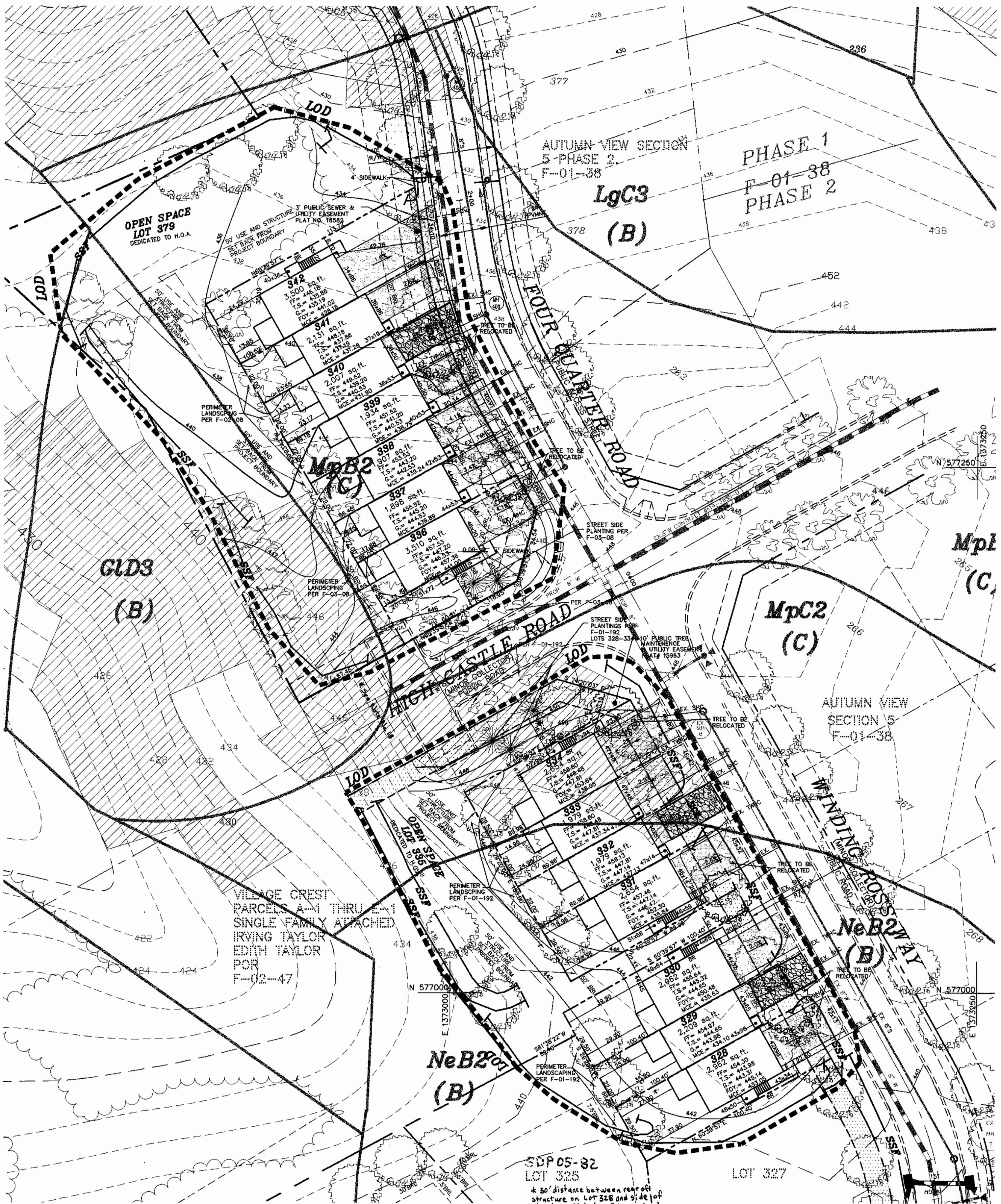
DORSEY FAMILY HOMES
9926 CYPRESSMEDE DRIVE
ELICOTT CITY, MD. 21042
410-995-9048

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0296 Fax. (301) 621-5521 Wash. (410) 997-0298 Fax.

date	FEB. 2005	approval
project	09-101	engineering
illustration		scale
		1" = 30'

date		description	revisions
no.			

LOT 328-334 & O.S. LOT 335 LOTS 336-345, 348, 349 & O.S. LOT 379 & LOTS 399, 400 & 401-408
PARCELS 4 & 75
FIRST ELECTION DISTRICT HOWARD COUNTY
SITE DEVELOPMENT PLAN



- LEGEND**
- LOD - LIMIT OF DISTURBANCE
 - SSF - SUPER SILT FENCE
 - A-3 - EARTH DIKE WITH SOIL STABILIZATION MATTING
 - ACER RUBRUM 'RED SUNSET' (EXISTING PER F-03-008)
 - PINUS STROBUS (EXISTING PER F-03-008)
 - ACER SACCHARUM 'GREEN MOUNTAIN' (EXISTING PER F-03-008)
 - EX. TREE MAINTENANCE EASEMENT

DEVELOPER'S CERTIFICATE
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 NATURAL RESOURCE CONSERVATION SERVICE.

Robert L. Desorise 2/24/05
 SIGNATURE OF DEVELOPER DATE
 ROBERT L. DESORISE
 PRINTED NAME OF DEVELOPER

ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

John B. Miltenberg 2/24/05
 SIGNATURE OF ENGINEER DATE
 JOHN B. MILTENBERG
 PRINTED NAME OF ENGINEER

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

Jim Mayne 3/1/05
 NDA - NATURAL RESOURCE CONSERVATION SERVICE DATE

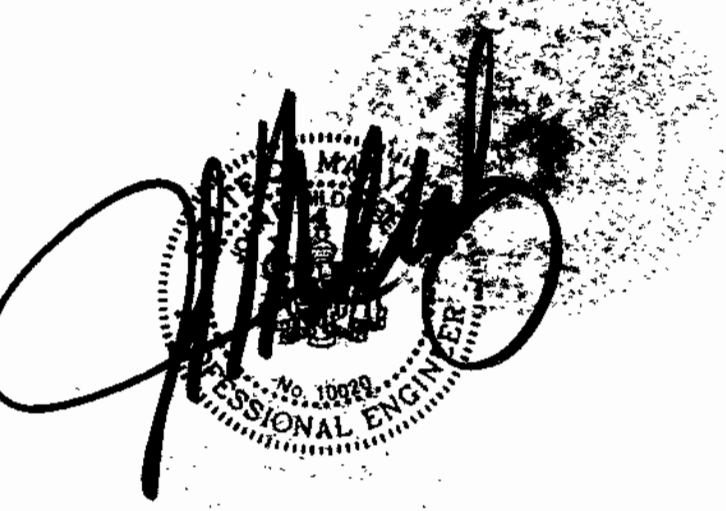
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John R. Blanton 3/1/05
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING
John Desorise 2/16/05
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Chris K. Smith 2/17/05
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

David A. Lezell 2/16/05
 DIRECTOR DATE



date	FEB, 2005
project	03-101
illustration	illustration
scale	1" = 30'
approval	approval

no.		description	revisions

AUTUMN VIEW, SECTION 5, PHASES 3 & 4
 LOTS 328-334 & O.S. LOT 395 LOTS 336-345, 348, 349 & O.S. LOT 379 & LOTS 399, 400 & 401-408
 TAYLOR MAP 25 & 31, PARCEL 4 & 75
 SECOND ELECTION DISTRICT
 HOWARD COUNTY

SITE DEVELOPMENT PLAN

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Dorsey Hill Drive, Suite 202, Ellicott City, Maryland 21042
 (410) 387-0236 Fax: (301) 621-5527, Wash. (410) 397-0288 Fax.

SOIL CLASSIFICATION CHART

AdB2	(B)	ALDINO SILT LOAM, 3-8% SLOPES, MODERATELY ERODED
AdC2	(C)	ALDINO SILT LOAM, 8-15% SLOPES, MODERATELY ERODED
BbB2	(C)	BRANDYWINE LOAM, 3-8% SLOPES, MODERATELY ERODED
BcC3	(C)	BRANDYWINE LOAM, 8-15% SLOPES, SEVERELY ERODED
BrD3	(C)	BRANDYWINE LOAM, 15-25% SLOPES, SEVERELY ERODED
BfF	(C)	BRANDYWINE LOAM, 25-60% SLOPES
GnB2	(C)	CHILLUM-FAIRFAX LOAMS, 1-5% SLOPES, MODERATELY ERODED
LeB2	(B)	LEGORE SILT LOAM, 3-8% SLOPES, MODERATELY ERODED
LeC2	(B)	LEGORE SILT LOAM, 8-15% SLOPES, MODERATELY ERODED
LgC3	(B)	LEGORE SILTY CLAY LOAM, 8-15% SLOPES, SEVERELY ERODED
Mo	(C)	MIXED ALLUVIAL LAND
MpB2	(C)	MONTALTO SILT LOAM, 3-8% SLOPES, MODERATELY ERODED
MpC2	(C)	MONTALTO SILT LOAM, 8-15% SLOPES, MODERATELY ERODED
MfE	(C)	MONTALTO AND RELAY SOILS, 15-45% SLOPES
MgD	(C)	MONTALTO AND RELAY VERY STONY SILT LOAMS, 3-25% SLOPES
MhF	(C)	MONTALTO AND RELAY VERY STONY SILT LOAMS, 25-60% SLOPES
NeB2	(B)	NESHAMINY SILT LOAM, 3-8% SLOPES, MODERATELY ERODED
NeC2	(B)	NESHAMINY SILT LOAM, 8-15% SLOPES, MODERATELY ERODED
WbB	(D)	WATCHUNG SILT LOAM, 3-8% SLOPES

LEGEND

- LIMIT OF DISTURBANCE
- SUPER SILT FENCE
- EARTH DIKE WITH SOIL STABILIZATION MATTING
- ACER RUBRUM 'RED SUNSET' (EXISTING PER F-01-192 & F-03-008)
- PINUS STROBUS (EXISTING PER F-01-192 & F-03-008)
- ACER SACCHARUM 'GREEN MOUNTAIN' (EXISTING PER F-01-192 & F-03-008)
- EX. TREE MAINTENANCE EASEMENT
- 10' PRIVATE INGRESS EGRESS EASEMENT FOR THE BENEFIT OF LOTS 349 AND 401.

DEVELOPERS CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 NATURAL RESOURCE CONSERVATION SERVICE.

Robert S. Dwyer 2-24-05
 SIGNATURE OF DEVELOPER DATE
 PRINTED NAME OF DEVELOPER

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

John B. Mildenberg 2/24/05
 SIGNATURE OF ENGINEER DATE
 PRINTED NAME OF ENGINEER

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

Jim Meyer 3/1/05
 SDAS - NATURAL RESOURCE CONSERVATION SERVICE DATE

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

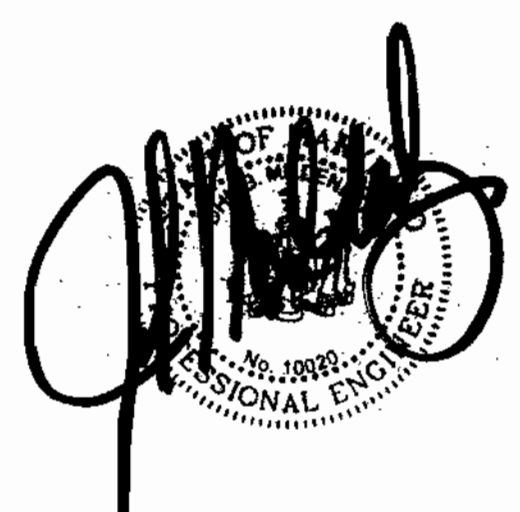
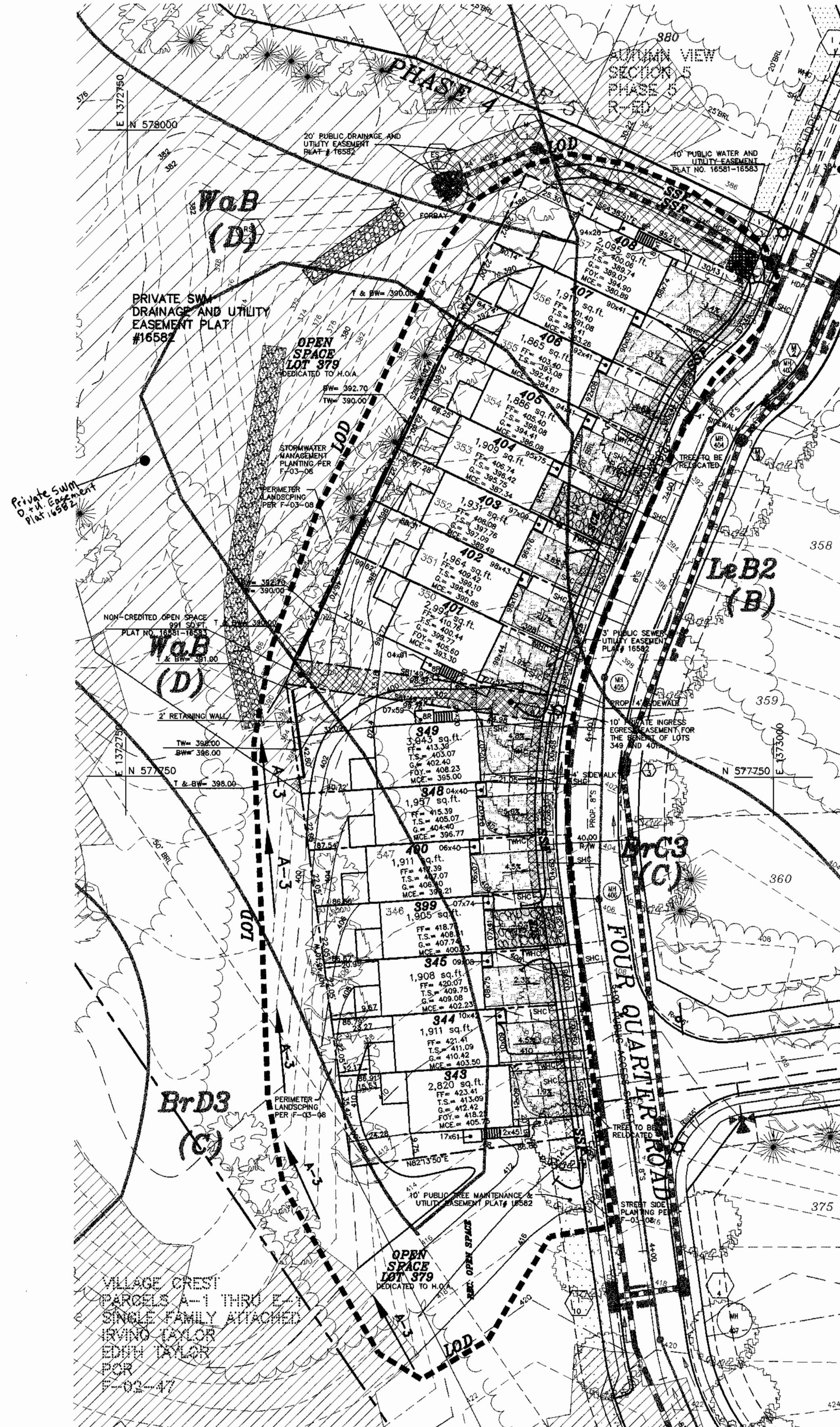
John R. Robertson 3/1/05
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Robert D. Williams 3/1/05
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Andy Hernandez 4/11/05
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

David S. Layzell 4/12/05
 DIRECTOR DATE



Project	08-101	date	FEB. 2005
Illustration		engineering	
scale	1" = 30'	approval	

no.		description		date	
		revisions			

AUTUMN VIEW SECTION 5, PHASES 3 & 4
 LOTS 328-334 & O.S. LOT 335 LOTS 336-345, 348, 349 & O.S. LOT 379
 & LOTS 399,400 & 401-408
 TAX MAPS 25 & 31, PARCEL 4 & 75
 SECOND ELECTION DISTRICT
 HOWARD COUNTY
 SITE DEVELOPMENT PLAN

MILDENBERG, BOENDER & ASSOC., INC.
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 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
 (410) 997-0296 Fax: (301) 621-5521 Wash. (410) 997-0396 Fax.

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.

SEEDING 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 DOLOMITE LIMESTONE (92 LBS./1000 SOFT.) AND 600 LBS. PER ACRE UREA-FORM FERTILIZER (14 LBS./1000 SOFT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE UREA-FORM FERTILIZER (9 LBS./1000 SOFT.).
- ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITE LIMESTONE (92 LBS./1000 SOFT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS./1000 SOFT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL.

SEEDING - FOR PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE 1.4 LBS./1000 SOFT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS. PER ACRE 1.4 LBS./1000 SOFT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD NOVEMBER 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 SOO. 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 SOFT.) 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 SOFT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (6 GAL./1000 SOFT.) 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.

SEEDING 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 SOFT.).

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 LBS./1000 SOFT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS. PER ACRE OF WHEAT (07 LBS./1000 SOFT.). 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 SOO.

MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SOFT.) OF UNROTTED WHEED FREE SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL. PER ACRE (5 GAL./1000 SOFT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GAL. PER ACRE (6 GAL./1000 SOFT.) FOR ANCHORING.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR ADDITIONAL RATES AND METHODS NOT COVERED.

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 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 THEREOF.
 - FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
 - 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.
 - ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 51), SOO (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.
 - ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 - SITE ANALYSIS:

TOTAL AREA OF SITE:	4.14	ACRES
AREA DISTURBED:	2.94	ACRES
AREA TO BE ROOFED OR PAVED:	1.12	ACRES
AREA TO BE VEGETATIVELY STABILIZED:	1.94	ACRES
TOTAL CUT:	2,200	CU. YDS.
TOTAL FILL:	2,200	CU. YDS.
TOTAL WASTE/BORROW AREA LOCATION:	N/A	
- THESE QUANTITIES ARE FOR PERMIT PURPOSES ONLY. CONTRACTOR IS REQUIRED TO PROVIDE HIS OWN QUANTITY MEASUREMENTS.
- 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 SUBSEQUENT GRADING OR DRAINAGE 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.

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:
 - THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH.
 - 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.
 - THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.
 - THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE.
- FOR THE PURPOSE OF THESE STANDARDS AND SPECIFICATIONS, AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN FOR ADEQUATE STABILIZATION. AREAS HAVING SLOPES STEEPER THAN 2:1 SHALL HAVE THE APPROPRIATE STABILIZATION SHOWN ON THE PLANS.

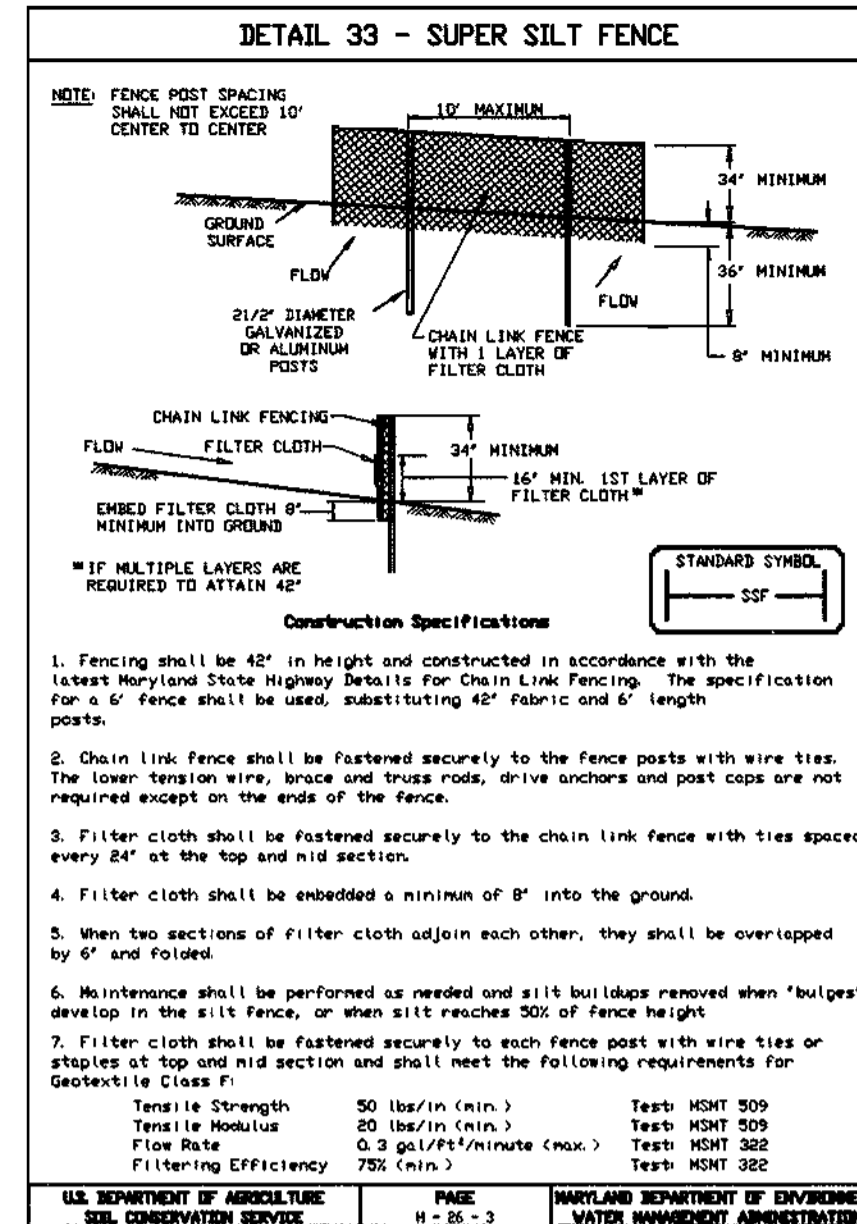
CONSTRUCTION AND MATERIAL SPECIFICATIONS

- TOPSOIL SALVAGED FROM THE EXISTING SITE MAY BE USED PROVIDED THAT IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATIONS. TYPICALLY, THE DEPTH OF TOPSOIL TO BE SALVAGED FOR A GIVEN SOIL TYPE CAN BE FOUND IN THE REPRESENTATIVE SOIL PROFILE SECTION IN THE SOIL SURVEY PUBLISHED BY USMA-SSS IN COOPERATION WITH MARYLAND AGRICULTURAL EXPERIMENTAL STATION.
- TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:
 - TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURED SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF CONCRETE, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAN 1 1/2" IN DIAMETER.
 - TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSONSON GRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.
 - WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.
- FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:
 - PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.
 - ON SOIL MEETING TOPSOIL SPECIFICATIONS, OBTAIN TEST RESULTS DICTATING FERTILIZER AND LIME AMENDMENTS REQUIRED TO BRING THE SOIL INTO COMPLIANCE WITH THE FOLLOWING:
 - pH FOR TOPSOILS SHALL BE BETWEEN 6.0 AND 7.5. IF THE TESTED SOIL DEMONSTRATES A pH OF LESS THAN 6.0, SUFFICIENT LIME SHALL BE PERSCRIBED TO RAISE THE pH TO 6.5 OR HIGHER.
 - ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN 1.5 PERCENT BY WEIGHT.
 - TOPSOIL HAVING SOLUBLE SALT CONTENT GREATER THAN 500 PARTS PER MILLION SHALL NOT BE USED.
 - NO SOO OR SEED SHALL BE PLACED ON SOIL WHICH HAS BEEN TREATED WITH SOIL STERILIZANTS OR CHEMICALS USED FOR WEED CONTROL, UNTIL SUFFICIENT TIME HAS ELAPSED (14 DAYS MIN.) TO PERMIT DISSIPATION OF PHYTO-TOXIC MATERIALS.
 - PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.
- 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.
 - GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBERT 4" - 8" HIGHER IN ELEVATION.
 - TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4" TO 8" LAYER AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4". 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.
 - 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 FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
 - COMPOSTED SLUDGE MATERIAL FOR USE AS A SOIL CONDITIONER FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES SHALL BE TESTED TO PRESCRIBE AMOUNTS AND FOR SITES HAVING AREAS UNDER 5 ACRES SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
 - COMPOSTED SLUDGE SHALL BE SUPPLIED BY, OR ORIGINATE FROM, A PERSON OR PERSONS WHO ARE PERMITTED (AT THE TIME OF ACQUISITION OF THE COMPOST) BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT UNDER COMAR 26.06.06.
 - 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.
 - COMPOSTED SLUDGE SHALL BE APPLIED AT A RATE OF 1 TON/1,000 SQUARE FEET.
 - COMPOSTED SLUDGE SHALL BE AMENDED WITH A POTASSIUM FERTILIZER APPLIED AT THE RATE OF 4 LB/1,000 SQUARE FEET, AND 1/3 THE NORMAL LIME APPLICATION RATE.

REFERENCES: GUIDELINE SPECIFICATIONS, SOIL PREPARATION AND SODDING, MD-VL, PUB. #1, COOPERATIVE EXTENSION SERVICE, UNIVERSITY OF MARYLAND AND VIRGINIA POLYTECHNIC INSTITUTES, REVISED 1973.

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT. (1 DAY)
- CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AT LOCATIONS SHOWN. (2 DAY)
- CHECK SUPER SILT FENCES AND REPAIR AS NECESSARY AND CONSTRUCT SUPER SILT FENCE. (5 DAYS)
- COMPLETE CONSTRUCTION AS SHOWN. (90 DAYS)
- COMPLETE FINE GRADING OF SITE TO GRADES INDICATED. (5 DAYS)
- SEED AND MULCH ALL REMAINING DISTURBED AREAS. (5 DAYS)
- UPON STABILIZATION OF THE SITE AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES AND STABILIZE REMAINING DISTURBED AREAS.



SUPER SILT FENCE

Design Criteria

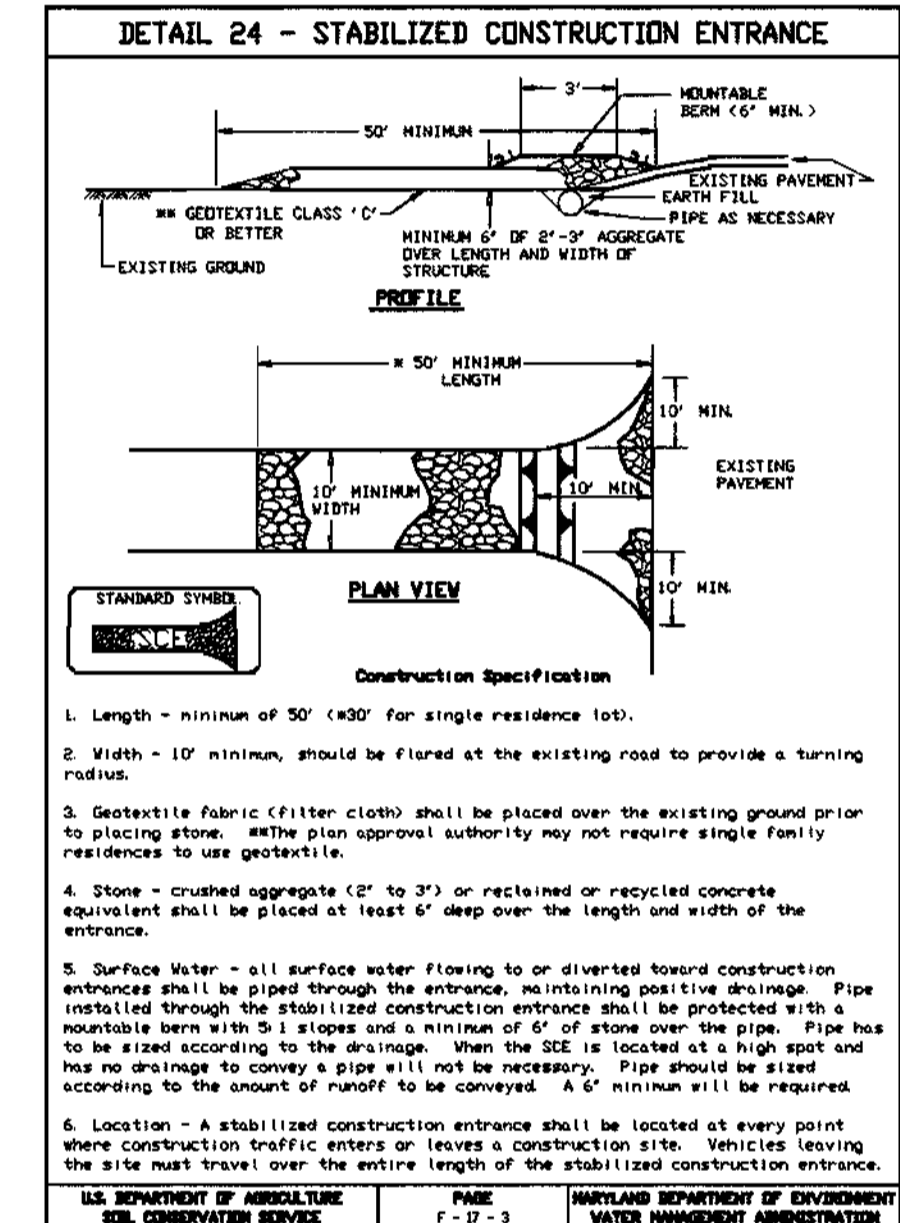
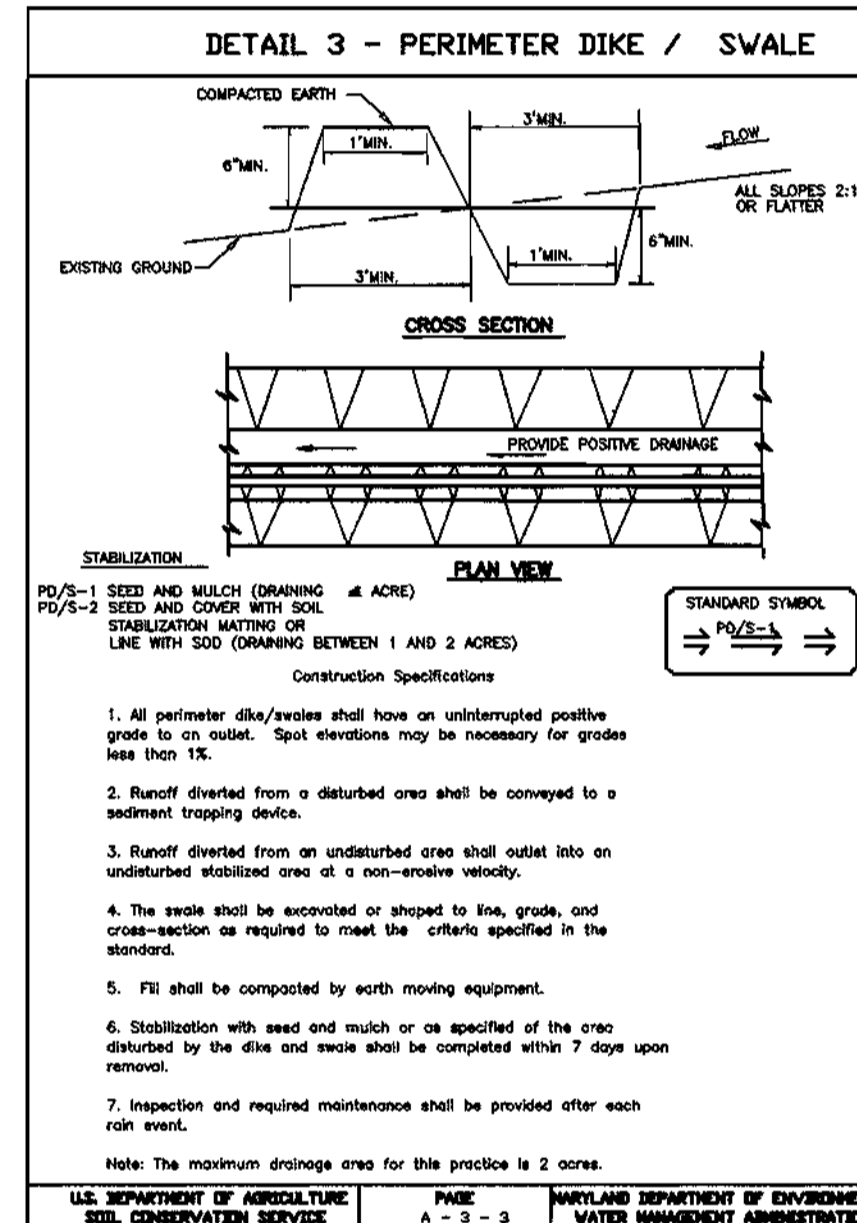
Slope	Slope Steepness	Slope Length (Maximum)	Silt Fence Length (Maximum)
0 - 10%	0 - 10:1	Unlimited	Unlimited
10 - 30%	10:1 - 5:1	200 Feet	1,500 Feet
30 - 40%	5:1 - 3:1	100 Feet	1,000 Feet
40 - 50%	3:1 - 2:1	100 Feet	500 Feet
50% +	2:1 +	50 Feet	250 Feet

Construction Specifications

- Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 6" fence shall be used, substituting 42" fabric and 6" length posts.
- Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and cross rods, drive anchors and post caps are not required except on the ends of the fence.
- Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" on the top and mid section.
- Filter cloth shall be embedded a minimum of 8" into the ground.
- When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
- Maintenance shall be performed as needed and silt buildup removed when "bulges" develop in the silt fence, or when silt reaches 50% of fence height.
- Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and mid section and shall meet the following requirements for Geotextile Class F:

Tensile Strength	50 lbs/in (min.)	Test: MHT 509
Tensile Modulus	25 lbs/in (min.)	Test: MHT 509
Flow Rate	0.2 gal/ft ² /minute (max.)	Test: MHT 302
Filtering Efficiency	75% (min.)	Test: MHT 302

U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, PAGE A-15-3, MARYLAND DEPARTMENT OF ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION.



DEVELOPERS CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 NATURAL RESOURCE CONSERVATION SERVICE.

Signature: Robert S. Dwyer, Date: 2/24/05

Signature: Robert L. Desorje, Date: 2/24/05

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL OF THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: John B. Mildenberg, Date: 2/24/05

Signature: Jim Meyer, Date: 3/1/05

Signature: John K. Robertson, Date: 3/1/05

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Signature: [Redacted], Date: 2/24/05

Signature: [Redacted], Date: 4/1/05

Signature: [Redacted], Date: 4/1/05

date	FEB. 2005
project	03-101
illustration	engineering
scale	1" = 30'
approval	

date	
description	revisions
no.	

AUTUMN VIEW, SECTION 5, PHASES 3 & 4

LOTS 328-334 & O.S. LOT 335 LOTS 336-345, 348, 349 & O.S. LOT 379

TAX MAP 25-2 & 31

PARCEL 4 & 75

HOWARD COUNTY

SECOND ELECTION DISTRICT

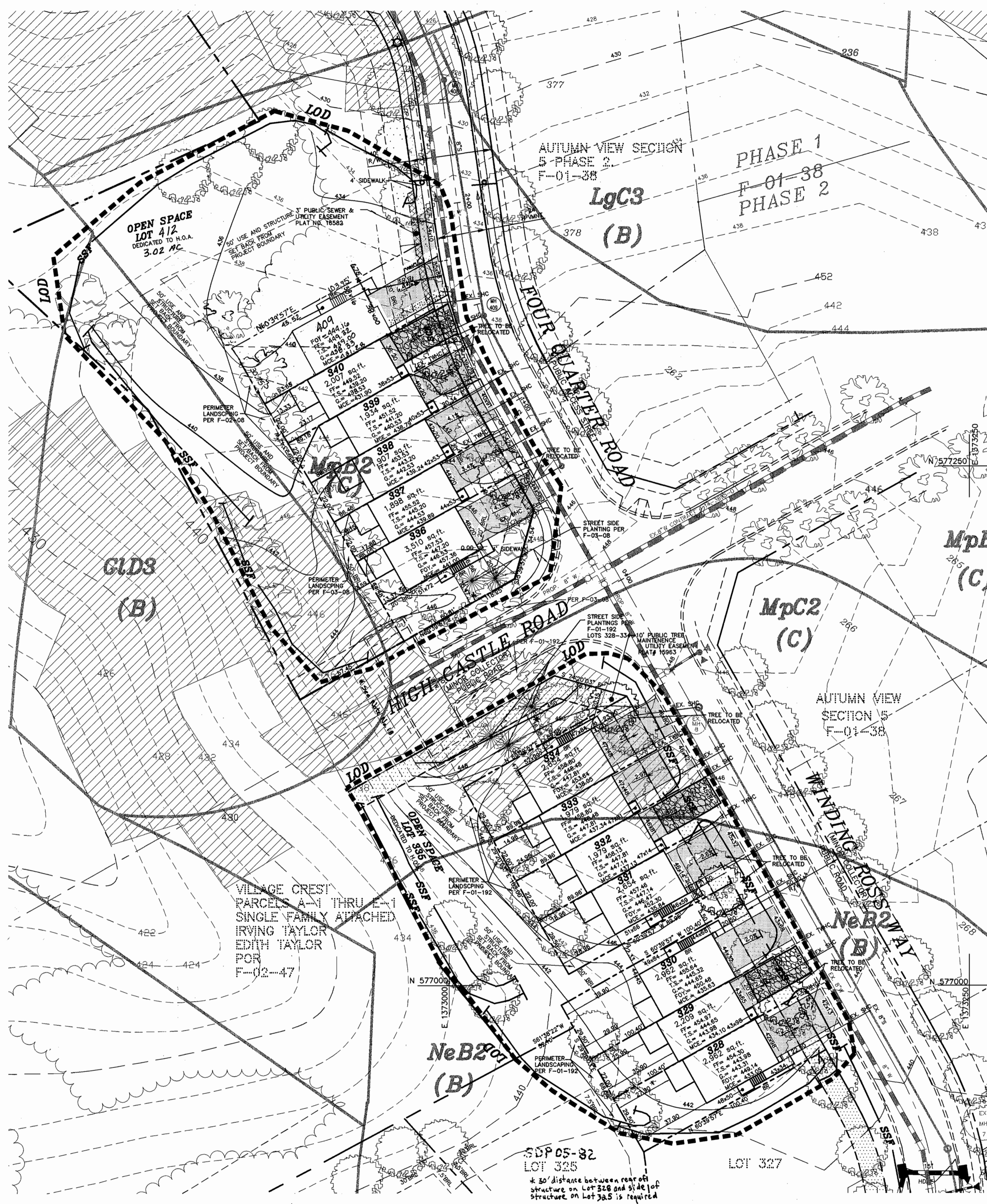
SEDIMENT CONTROL NOTES AND DETAILS

MILDENBERG, BOENDER & ASSOC., INC.

Engineers Planners Surveyors

5072 Dorseys Hall Drive, Suite 202, Elkton City, Maryland 21042

(410) 997-0296 Fax: (410) 997-0298 Fax.



- LEGEND**
- - - - - LIMIT OF DISTURBANCE
 - - - - - SUPER SILT FENCE
 - A-3 - EARTH DIKE WITH SOIL STABILIZATION MATTING
 - (Symbol) ACER RUBRUM 'RED SUNSET' (EXISTING PER F-03-008)
 - (Symbol) PINUS STROBUS (EXISTING PER F-03-008)
 - (Symbol) ACER SACCHARUM 'GREEN MOUNTAIN' (EXISTING PER F-03-008)
 - (Symbol) EX. TREE MAINTENANCE EASEMENT

DEVELOPER'S CERTIFICATE
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

Robert L. Desrosier 2/24/05
 SIGNATURE OF DEVELOPER DATE
 ROBERT L. DESROSIER
 PRINTED NAME OF DEVELOPER

ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

John B. Miltenberg 2/24/05
 SIGNATURE OF ENGINEER DATE
 JOHN B. MILTENBERG
 PRINTED NAME OF ENGINEER

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

Jim Mayne 3/1/05
 NRCA - NATURAL RESOURCE CONSERVATION SERVICE DATE

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

John K. Pluta 3/1/05
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING
John D. ... 3/1/05
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

... 3/1/05
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

... 3/1/05
 DIRECTOR DATE



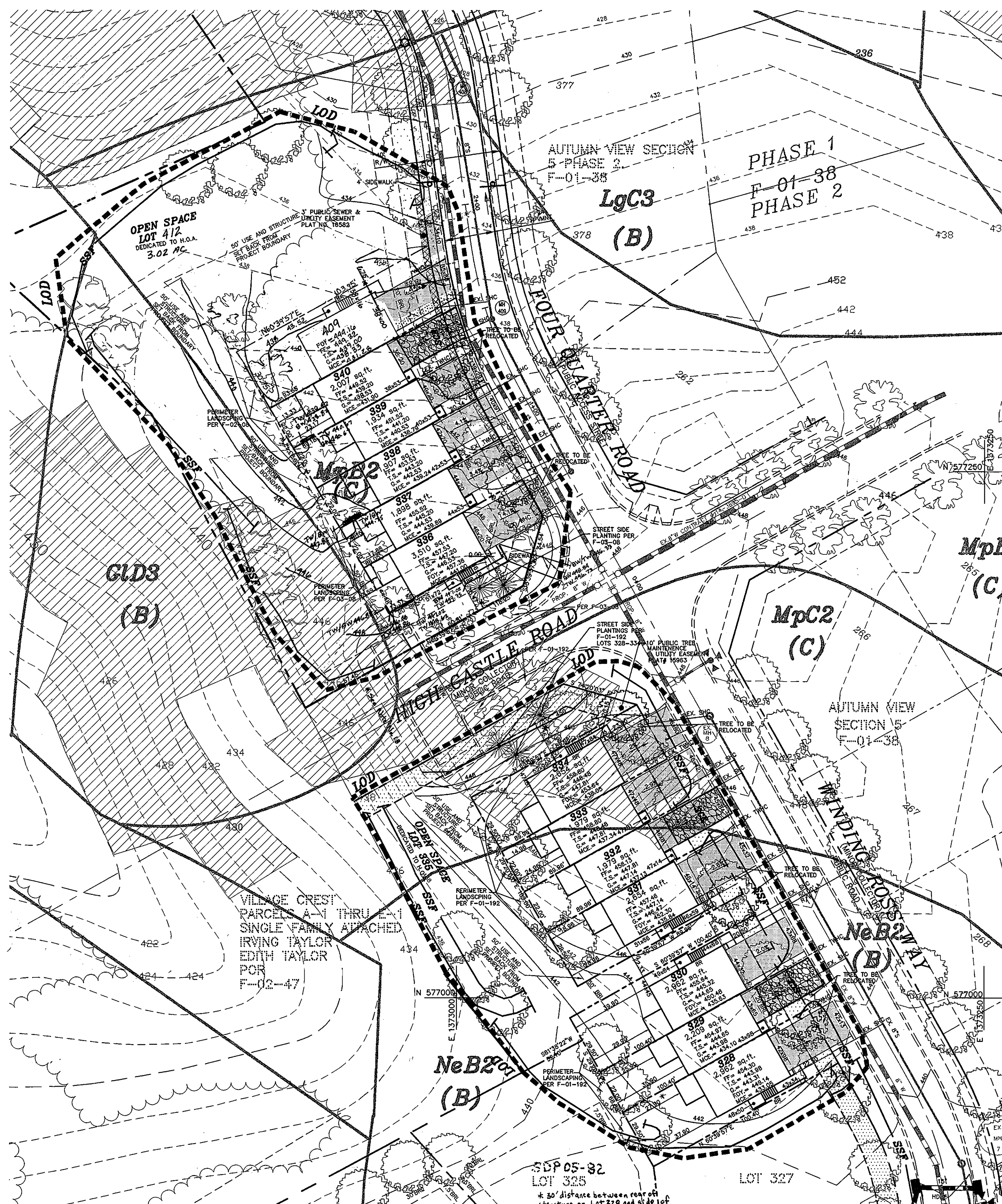
PROJECT	03-101	DATE	FEB. 2005
ILLUSTRATION		ENGINEERING	
SCALE	1" = 30'	APPROVAL	

NO.	2	DATE	1/15/06
DESCRIPTION	REVISION LOT 412		
BY	...		

AUTUMN VIEW, SECTION 5, PHASES 3 & 4
 LOTS 328-334 & O.S. LOT 335 LOTS 336-340, 344, 345, 348, 349
 & LOTS 399, 400 & 401-411 & O.S. LOT 412
 TAX MAP 25 & 31, PARCEL 4 & 75
 SECOND ELECTION DISTRICT
 HOWARD COUNTY

SITE DEVELOPMENT PLAN

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland, 21042
 (410) 997-0296 Fax. (301) 821-6551 Wash. (410) 997-0298 Fax.



- LEGEND**
- LIMIT OF DISTURBANCE
 - SUPER SILT FENCE
 - EARTH DIKE WITH SOIL STABILIZATION MATTING
 - ACER RUBRUM 'RED SUNSET' (EXISTING PER F-03-008)
 - PINUS STROBUS (EXISTING PER F-03-008)
 - ACER SACCHARUM 'GREEN MOUNTAIN' (EXISTING PER F-03-008)
 - EX. TREE MAINTENANCE EASEMENT

DEVELOPER'S CERTIFICATE
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 NATURAL RESOURCE CONSERVATION SERVICE.

Robert L. Desorville 2/24/05
 SIGNATURE OF DEVELOPER DATE
 ROBERT L. DESORVILLE
 PRINTED NAME OF DEVELOPER

ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

John B. Miltenberg 2/24/05
 SIGNATURE OF ENGINEER DATE
 JOHN B. MILTENBERG
 PRINTED NAME OF ENGINEER

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

Tom Myer 3/1/05
 NRC - NATURAL RESOURCE CONSERVATION SERVICE DATE

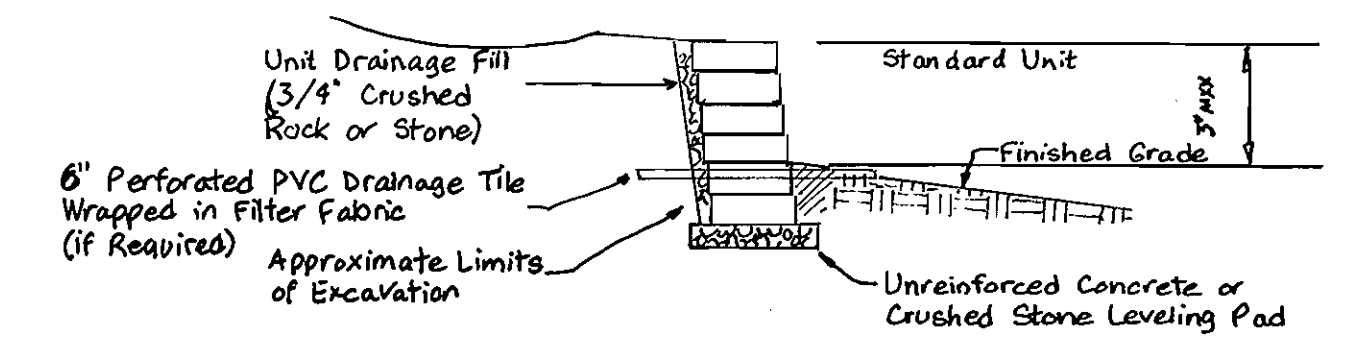
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

John R. Kluta 3/1/05
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Chris Damann 3/1/05
 CHIEF, DEVELOPMENT ENGINEERING DIVISION MAT DATE

Andy Kram 4/1/05
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

David A. Wyle 4/1/05
 DIRECTOR DATE



TYPICAL WALL SECTION
 Standard Unit - 1" Setback * KEYSTONE OR EQUIV.

Project	03-101	date	FEB. 2005
Illustration		engineering	
scale	1" = 30'	approval	

1	REVISED LOT LAYOUT	1/15/05	SCALE
2	REVISED EROSION CONTROL	2/15/05	SCALE
3	REVISED EROSION CONTROL	2/15/05	SCALE

AUTUMN VIEW, SECTION 5, PHASES 3 & 4
 LOTS 328-334 & O.S. LOT 335 LOTS 336-340, 344, 345, 348, 349, 344
 & LOTS 399, 400 & 401-411 & O.S. LOT 412
 TAX MAP 25 & 31, PARCEL 4 & 75
 SECOND ELECTION DISTRICT
 HOWARD COUNTY

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Dorsey Hill Drive, Suite 202, Ellicott City, Maryland, 21042
 (410) 997-0296 Fax. (301) 621-6521 Wash. (410) 997-0298 Fax.

SOIL CLASSIFICATION CHART

AdB2	(B)	ALDINO SILT LOAM, 3-8% SLOPES, MODERATELY ERODED
AdC2	(C)	ALDINO SILT LOAM, 8-15% SLOPES, MODERATELY ERODED
BrC3	(C)	BRANDYWINE LOAM, 3-8% SLOPES, MODERATELY ERODED
BrD3	(C)	BRANDYWINE LOAM, 15-25% SLOPES, SEVERELY ERODED
BrF	(C)	BRANDYWINE LOAM, 25-60% SLOPES
GnB2	(C)	CHILLUM-FAIRFAX LOAMS, 1-5% SLOPES, MODERATELY ERODED
LeB2	(B)	LEGORE SILT LOAM, 3-8% SLOPES, MODERATELY ERODED
LeC2	(B)	LEGORE SILT LOAM, 8-15% SLOPES, MODERATELY ERODED
LgC3	(B)	LEGORE SILTY CLAY LOAM, 8-15% SLOPES, SEVERELY ERODED
Mo	(C)	MIXED ALLUVIAL LAND
MpB2	(C)	MONTALTO SILT LOAM, 3-8% SLOPES, MODERATELY ERODED
MpC2	(C)	MONTALTO SILT LOAM, 8-15% SLOPES, MODERATELY ERODED
MpE	(C)	MONTALTO AND RELAY SOILS, 15-45% SLOPES
MpD	(C)	MONTALTO AND RELAY VERY STONY SILT LOAMS, 3-25% SLOPES
MpF	(C)	MONTALTO AND RELAY VERY STONY SILT LOAMS, 25-60% SLOPES
NeB2	(B)	NESHAMINY SILT LOAM, 3-8% SLOPES, MODERATELY ERODED
NeC2	(B)	NESHAMINY SILT LOAM, 8-15% SLOPES, MODERATELY ERODED
WoB	(D)	WATCHUNG SILT LOAM, 3-8% SLOPES

LEGEND

- - - LOD - LIMIT OF DISTURBANCE
- - - SSF - SUPER SILT FENCE
- A-3 - EARTH DIKE WITH SOIL STABILIZATION MATTING
- ACER RUBRUM 'RED SUNSET' (EXISTING PER F-01-192 & F-03-008)
- PINUS STROBUS (EXISTING PER F-01-192 & F-03-008)
- ACER SACCHARUM 'GREEN MOUNTAIN' (EXISTING PER F-01-192 & F-03-008)
- EX. TREE MAINTENANCE EASEMENT
- 10' PRIVATE INGRESS EGRESS EASEMENT FOR THE BENEFIT OF LOTS 349 AND 401.

DEVELOPER'S CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 NATURAL RESOURCE CONSERVATION SERVICE.

Robert S. Dwyer 2/24/05
 SIGNATURE OF DEVELOPER DATE
 Robert L. Dvorsky
 PRINTED NAME OF DEVELOPER

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

John B. Mildenberg 2/24/05
 SIGNATURE OF ENGINEER DATE
 JOHN B. MILDENBERG
 PRINTED NAME OF ENGINEER

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

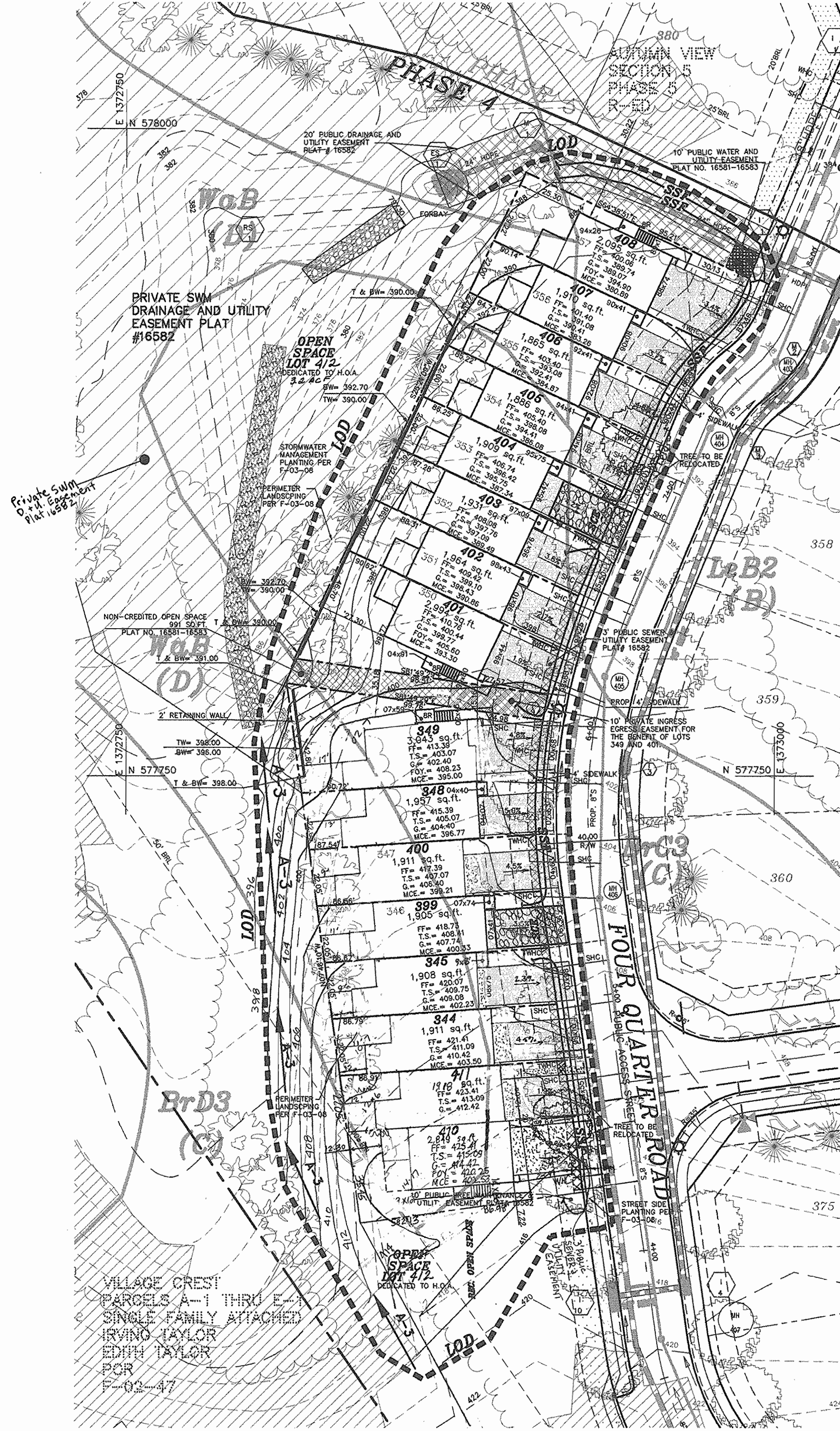
Jim Meyer 3/17/05
 NSDA - NATURAL RESOURCE CONSERVATION SERVICE DATE

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

John R. Blanton 3/17/05
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

MAJ 3/17/05
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE
Wanda T. Tomlin 3/11/05
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE
David J. Langel 4/12/05
 DIRECTOR DATE



VILLAGE CREST
 PARCELS A-1 THRU E
 SINGLE FAMILY ATTACHED
 IRVING TAYLOR
 EDITH TAYLOR
 PCR
 F-02-47

03-101/DMC/03-101-01-SDP.DWG

Project	03-101
date	FEA, 2005
illustration	engineering
scale	1" = 30'
approval	

no.	1	description	REVISED LOT 412/OUT	date	7/21/05
no.	2	description	REVISED LOT 412/OUT	date	7/21/05

AUTUMN VIEW, SECTION 5, PHASES 3 & 4
 LOTS 328-334 & O.S. LOTS 336-340, 344, 345, 348, 349
 & LOTS 399, 400 & 401-411 & O.S. LOT 412
 TOWN MAPS 25 & 31, PARCELS 4 & 75
 SECOND ELECTION DISTRICT
 HOWARD COUNTY
 SITE DEVELOPMENT PLAN

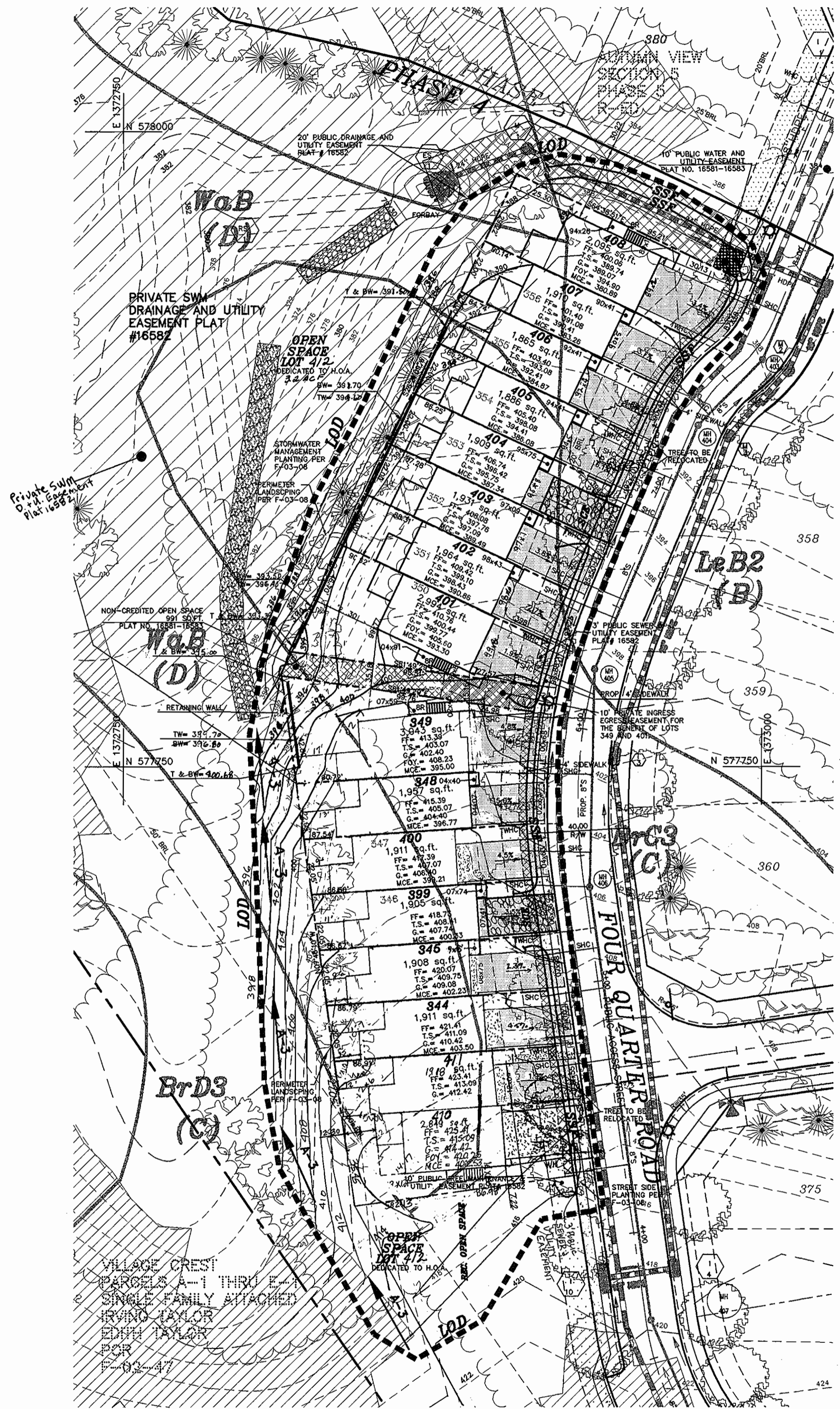
MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 502 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
 (410) 987-0286 Fax: (301) 621-5221 Wash. (410) 997-0298 Fax.

SOIL CLASSIFICATION CHART

AdB2	(B)	ALDINO SILT LOAM, 3-8% SLOPES, MODERATELY ERODED
AdC2	(C)	ALDINO SILT LOAM, 8-15% SLOPES, MODERATELY ERODED
BrB2	(C)	BRANDYWINE LOAM, 3-8% SLOPES, MODERATELY ERODED
BrC3	(C)	BRANDYWINE LOAM, 8-15% SLOPES, SEVERELY ERODED
BrD3	(C)	BRANDYWINE LOAM, 15-25% SLOPES, SEVERELY ERODED
BrF	(C)	BRANDYWINE LOAM, 25-60% SLOPES
GnB2	(C)	CHILLUM-FAIRFAX LOAMS, 1-5% SLOPES, MODERATELY ERODED
LeB2	(B)	LEGORE SILT LOAM, 3-8% SLOPES, MODERATELY ERODED
LeC2	(B)	LEGORE SILT LOAM, 8-15% SLOPES, MODERATELY ERODED
LgC3	(B)	LEGORE SILTY CLAY LOAM, 8-15% SLOPES, SEVERELY ERODED
Mo	(C)	MIXED ALLUVIAL LAND
MpB2	(C)	MONTALTO SILT LOAM, 3-8% SLOPES, MODERATELY ERODED
MpC2	(C)	MONTALTO SILT LOAM, 8-15% SLOPES, MODERATELY ERODED
Mrf	(C)	MONTALTO AND RELAY SOILS, 15-45% SLOPES
Msd	(C)	MONTALTO AND RELAY VERY STONY SILT LOAMS, 3-25% SLOPES
Msf	(C)	MONTALTO AND RELAY VERY STONY SILT LOAMS, 25-60% SLOPES
NeB2	(B)	NESHAMINY SILT LOAM, 3-8% SLOPES, MODERATELY ERODED
NeC2	(B)	NESHAMINY SILT LOAM, 8-15% SLOPES, MODERATELY ERODED
WoB	(D)	WATCHUNG SILT LOAM, 3-8% SLOPES

LEGEND

- LIMIT OF DISTURBANCE
- SUPER SILT FENCE
- EARTH DIKE WITH SOIL STABILIZATION MATTING
- ACER RUBRUM 'RED SUNSET' (EXISTING PER F-01-192 & F-03-008)
- PINUS STROBUS (EXISTING PER F-01-192 & F-03-008)
- ACER SACCHARUM 'GREEN MOUNTAIN' (EXISTING PER F-01-192 & F-03-008)
- EX. TREE MAINTENANCE EASEMENT
- 10' PRIVATE INGRESS EGRESS EASEMENT FOR THE BENEFIT OF LOTS 349 AND 401.



DEVELOPER'S CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 NATURAL RESOURCE CONSERVATION SERVICE.

Robert S. Long 2-24-05
 SIGNATURE OF DEVELOPER DATE
 Robert L. DeSmet
 PRINTED NAME OF DEVELOPER

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

John B. Miltenberg 2/24/05
 SIGNATURE OF ENGINEER DATE
 JOHN B. MILTENBERG
 PRINTED NAME OF ENGINEER

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

Jim Meyer 3/7/05
 NSDA - NATURAL RESOURCE CONSERVATION SERVICE DATE

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

John K. Blanton 3/7/05
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

John J. ... 3/1/05
 CHIEF, DEVELOPMENT ENGINEERING DIVISION MAJ DATE
Andy ... 3/1/05
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE
Mark ... 3/1/05
 DIRECTOR DATE

date	FEB. 2005
project	03-101
illustration	illustration
scale	1" = 30'
approval	

no.	description	date
3	REVISION: ...	4/15/08
2	REVISION: ...	1/19/07
1	REVISED LOT	7/21/02

AUTUMN VIEW SECTION 5, PHASES 3 & 4
 LOTS 328-334 & 0.S. LOT 335 LOTS 336-340, 344, 345, 346, 349
 & LOTS 389, 400 & 401-411 & 0 S. LOT 412
 TAX MAPS 25 & 31, PARCEL 4 & 75
 SECOND ELECTION DISTRICT
 HOWARD COUNTY
 SITE DEVELOPMENT PLAN

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