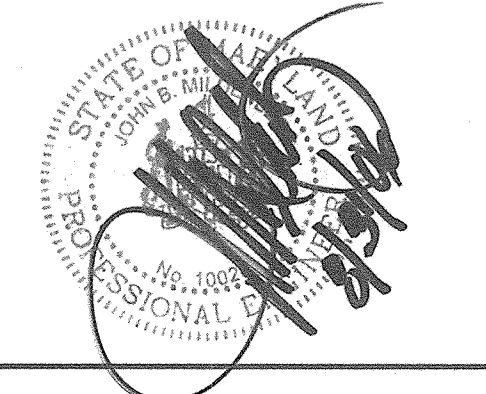


CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	DIRECTION
C1	40.08	100.00	22.3406°	20.31	39.82	S32°01'12"W
C2	276.74	500.00	32°11'18"	149.10	297.03	N48°29'48"E
C3	587.35	525.00	64°08'01"	328.70	557.20	S41°20'28"W
C4	186.83	400.00	23°34'38"	84.85	165.63	N21°14'20"E
C5	50.04	100.00	09°33'24"	25.08	49.88	S38°24'30"W
C6	99.73	500.00	11°25'42"	50.03	99.57	S17°34'59"W
C7	99.73	500.00	11°25'42"	50.03	99.57	N17°34'59"E
C8	13.92	50.00	15°29'24"	6.80	13.48	N32°22'34"E
C9	21.03	50.00	24°55'55"	10.87	20.87	S27°04'19"W
C10	53.71	35.00	87°35'57"	31.78	48.60	N22°24'17"W
C11	40.05	35.00	65°31'14"	22.44	37.50	N42°24'17"W
C12	65.92	35.00	107°41'18"	48.09	56.60	S38°35'45"E
C13	11.85	100.00	02°40'28"	6.83	11.64	N82°02'23"E
C14	18.95	100.00	09°11'43"	9.04	18.03	S81°46'18"E

TENTATIVELY APPROVED  
 DEPARTMENT OF PLANNING AND ZONING  
 HOWARD COUNTY

*Mark M. Ayler* *JJA*  
 PLANNING DIRECTOR DATE

- LEGEND:**
- WETLANDS
  - 100 YR FLOODPLAIN
  - FAIRWAYS & TEE
  - CURVE NO
  - PARKING SPA NO.
  - PL OF PROPOSED LOTS
  - PL OF FUTURE LOTS



FH: 05-046/DWC/PRELIM-PLAN

Project	05-046	date	AUGUST 06
Illustration	MMM	engineering	MMM
scale	1"=100'	approval	MMM

no.	description	date

**FAIRWAYS AT TURF VALLEY**  
 (PODS F & P/O H : SEC. IV : RESIDENTIAL PHASE IVE)  
 TAX MAP 16 - P/O PARCELS 8 & 50 - BLOCKS 10, 11, 16, & 17  
 SECOND ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

**PRELIMINARY EQUIVALENCE SKETCH PLAN**

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hill Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 997-0236 Balt. (301) 621-5521 Wash. (410) 997-0288 Fax.

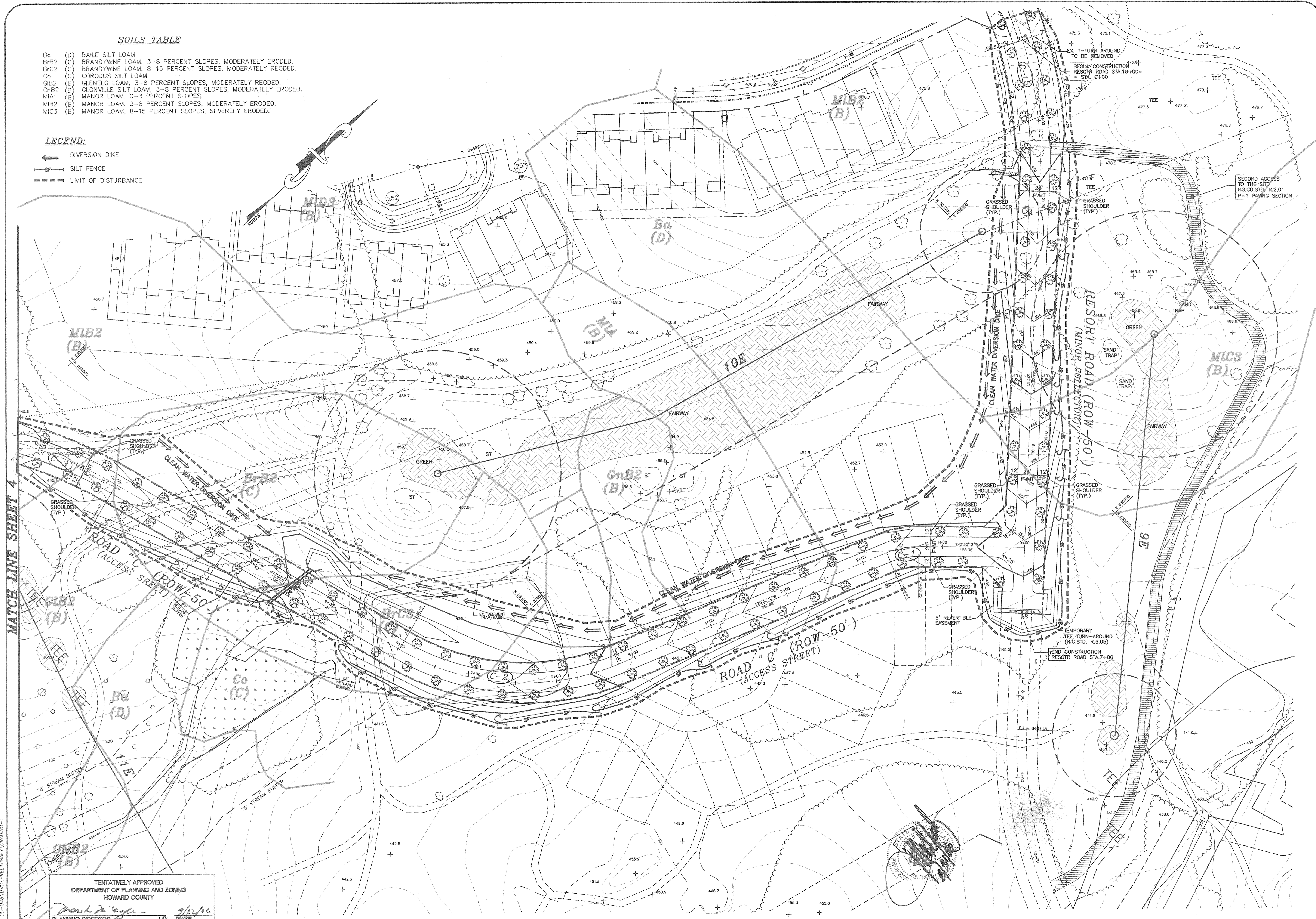


**SOILS TABLE**

- Ba (D) BAILE SILT LOAM
- BrB2 (C) BRANDYWINE LOAM, 3-8 PERCENT SLOPES, MODERATELY ERODED.
- BrC2 (C) BRANDYWINE LOAM, 8-15 PERCENT SLOPES, MODERATELY REEDED.
- Co (C) CORODUS SILT LOAM
- GIB2 (B) GLENELG LOAM, 3-8 PERCENT SLOPES, MODERATELY REEDED.
- GNB2 (B) GLENVILLE SILT LOAM, 3-8 PERCENT SLOPES, MODERATELY ERODED.
- MIA (B) MANOR LOAM, 0-3 PERCENT SLOPES.
- MB2 (B) MANOR LOAM, 3-8 PERCENT SLOPES, MODERATELY ERODED.
- MIC3 (B) MANOR LOAM, 8-15 PERCENT SLOPES, SEVERELY ERODED.

**LEGEND:**

- ← DIVERSION DIKE
- SF — SILT FENCE
- - - - - LIMIT OF DISTURBANCE



TENTATIVELY APPROVED  
 DEPARTMENT OF PLANNING AND ZONING  
 HOWARD COUNTY  
 Planning Director: [Signature] DATE: 8/2/06  
 J.P.

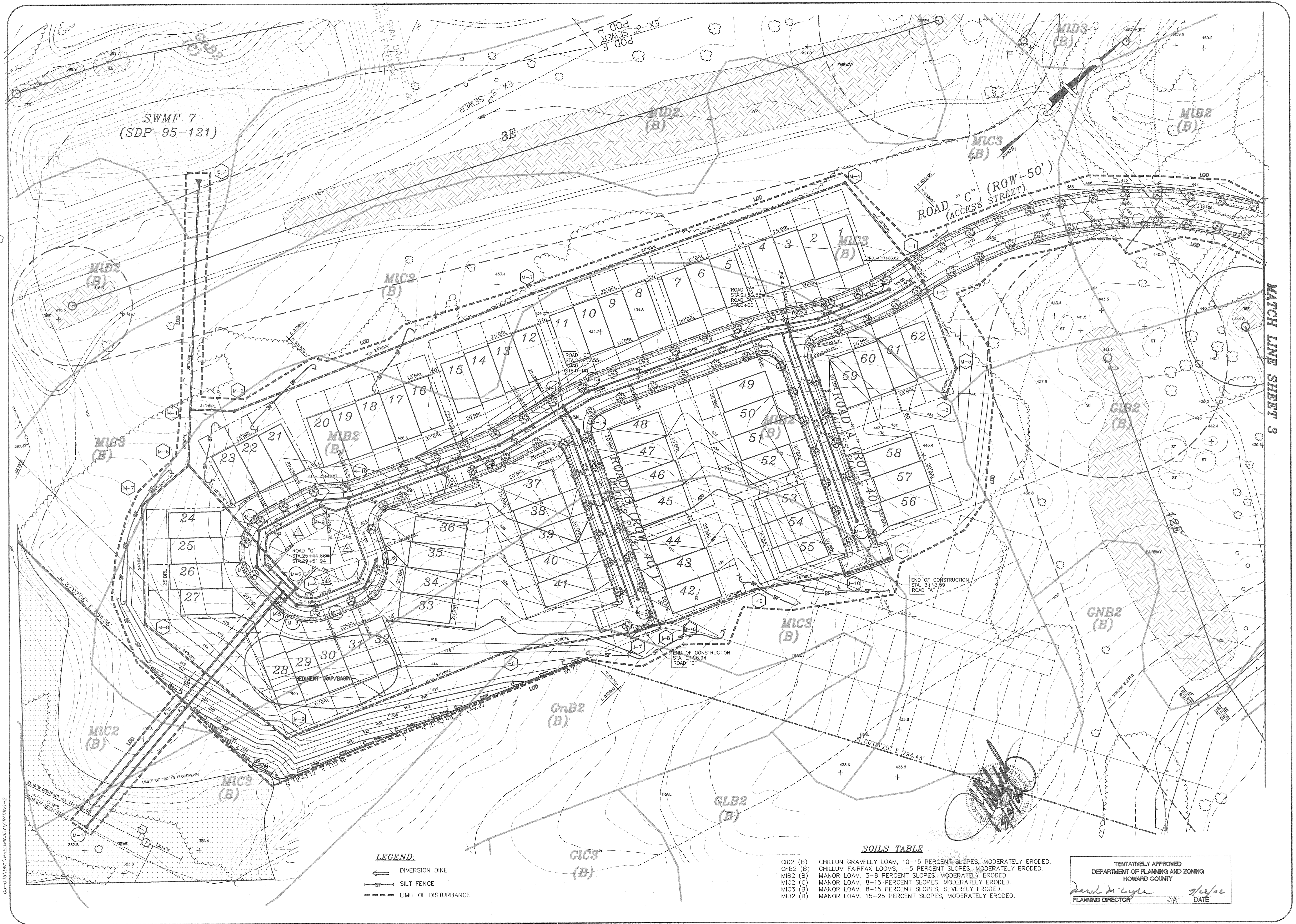
date	AUGUST 06
project	05-046
illustration	MMM
engineering	MMM
approval	MMM
scale	1"=50'

no.		description	revisions	date

**FAIRWAYS AT TURF VALLEY**  
 (PODS F & P/O H; SEC. IV; RESIDENTIAL PHASE IVE)  
 TAX MAP 16 - P/O PARCELS 8 & 50 - BLOCKS 10, 11, 16, & 17  
 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
**PRELIMINARY GRADING AND SEDIMENT CONTROL PLAN**

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland, 21042  
 (410) 987-0296 FAX (301) 621-5521 WASH. (410) 987-0298 FAX





SWMF 7  
(SDP-95-121)

ROAD "C" (ROW-50')  
(ACCESS STREET)

MATCH LINE SHEET 3

- LEGEND:**
- ← DIVERSION DIKE
  - SILT FENCE
  - - - - - LIMIT OF DISTURBANCE

**SOILS TABLE**

CID2 (B)	CHILLUM GRAVELLY LOAM, 10-15 PERCENT SLOPES, MODERATELY ERODED.
CIB2 (B)	CHILLUM FAIRFAX LOOMS, 1-5 PERCENT SLOPES, MODERATELY ERODED.
MIB2 (B)	MANOR LOAM, 3-8 PERCENT SLOPES, MODERATELY ERODED.
MIC2 (C)	MANOR LOAM, 8-15 PERCENT SLOPES, MODERATELY ERODED.
MIC3 (B)	MANOR LOAM, 8-15 PERCENT SLOPES, SEVERELY ERODED.
MID2 (B)	MANOR LOAM, 15-25 PERCENT SLOPES, MODERATELY ERODED.

TENTATIVELY APPROVED  
DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY

*Paul M. Cope*      *[Signature]*  
PLANNING DIRECTOR      DATE

project	05-046	date	AUGUST 06
illustration	MMM	engineering	MMM
scale	1"=50'	approval	MMM

no.	description	date

**FAIRWAYS AT TURF VALLEY**  
(PODS F& P/O H : SEC. IV : RESIDENTIAL PHASE IVE)  
TAX MAP 16 - P/O PARCELS 8 & 50 - BLOCKS 10, 11, 16, & 17  
SECOND ELECTION DISTRICT - HOWARD COUNTY, MARYLAND

**PRELIMINARY GRADING AND SEDIMENT CONTROL PLAN-2**

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors

5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland, 21042  
(410) 997-0296 Fax: (301) 627-5521 Wash. (410) 997-0298 Fax.





CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	DIRECTION
C1	40.08	100.00	22°38'00"	20.31	39.82	S32°D11°W
C2	278.74	300.00	52°51'15"	149.10	148.02	S48°22'49"E
C3	587.35	525.00	84°00'01"	328.70	557.20	S41°20'28"W
C4	166.85	400.00	23°31'49"	84.65	165.63	N21°14'20"E
C5	50.04	100.00	09°33'24"	25.08	49.98	S28°24'32"W
C6	99.73	500.00	11°24'42"	50.03	99.57	S17°54'58"W
C7	99.73	500.00	11°24'42"	50.03	99.57	N17°54'58"E
C8	13.92	50.00	1°39'25"	6.96	13.46	N31°22'33"E
C9	21.03	50.00	24°05'52"	10.57	20.87	S27°04'19"W
C10	23.71	35.00	87°35'57"	33.78	48.60	N24°24'11"W
C11	40.05	35.00	85°31'16"	22.54	37.50	N54°20'27"E
C12	65.92	35.00	107°34'18"	48.09	56.60	S38°35'45"E
C13	11.65	100.00	06°40'28"	5.83	11.64	N89°29'23"W
C14	16.05	100.00	09°11'43"	8.04	16.03	S81°48'18"E

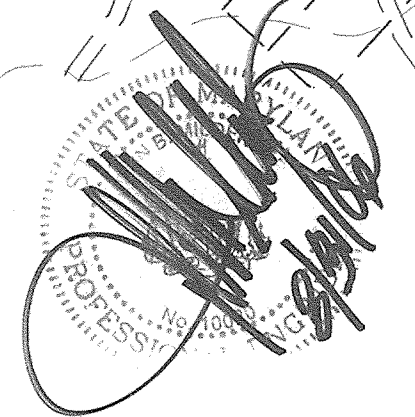
TENTATIVELY APPROVED  
 DEPARTMENT OF PLANNING AND ZONING  
 HOWARD COUNTY  
*Mark DeLuca* 9/22/06  
 PLANNING DIRECTOR DATE

**SCHEDULE B: PARKING LOT INTERNAL LANDSCAPING**

NUMBER OF PARKING SPACES REQUIRED	22
NUMBER OF PLANTING ISLANDS REQUIRED	2
NUMBER OF TREES REQUIRED	2 SHADE TREES
NUMBER OF UNITS	62
NUMBER OF TREES REQUIRED	62 SHADE TREES
SHADE TREES (1/1 UNITS)	62 SHADE TREES

**STREET TREES SCHEDULE**

STREET NAME	LENGTH	NO. OF TREES REQUIRED
ROAD A	313 L.F.	8 SHADE TREES
ROAD B	297 L.F.	7 SHADE TREES
ROAD C	2,953 L.F.	74 SHADE TREES
RESORT ROAD	700 L.F.	18 SHADE TREES
TOTAL:	4,263 L.F.	107 SHADE TREES



project	05-046	date	AUGUST 06
illustration	MMM	engineering	MMM
scale	1"=100'	approval	MMM

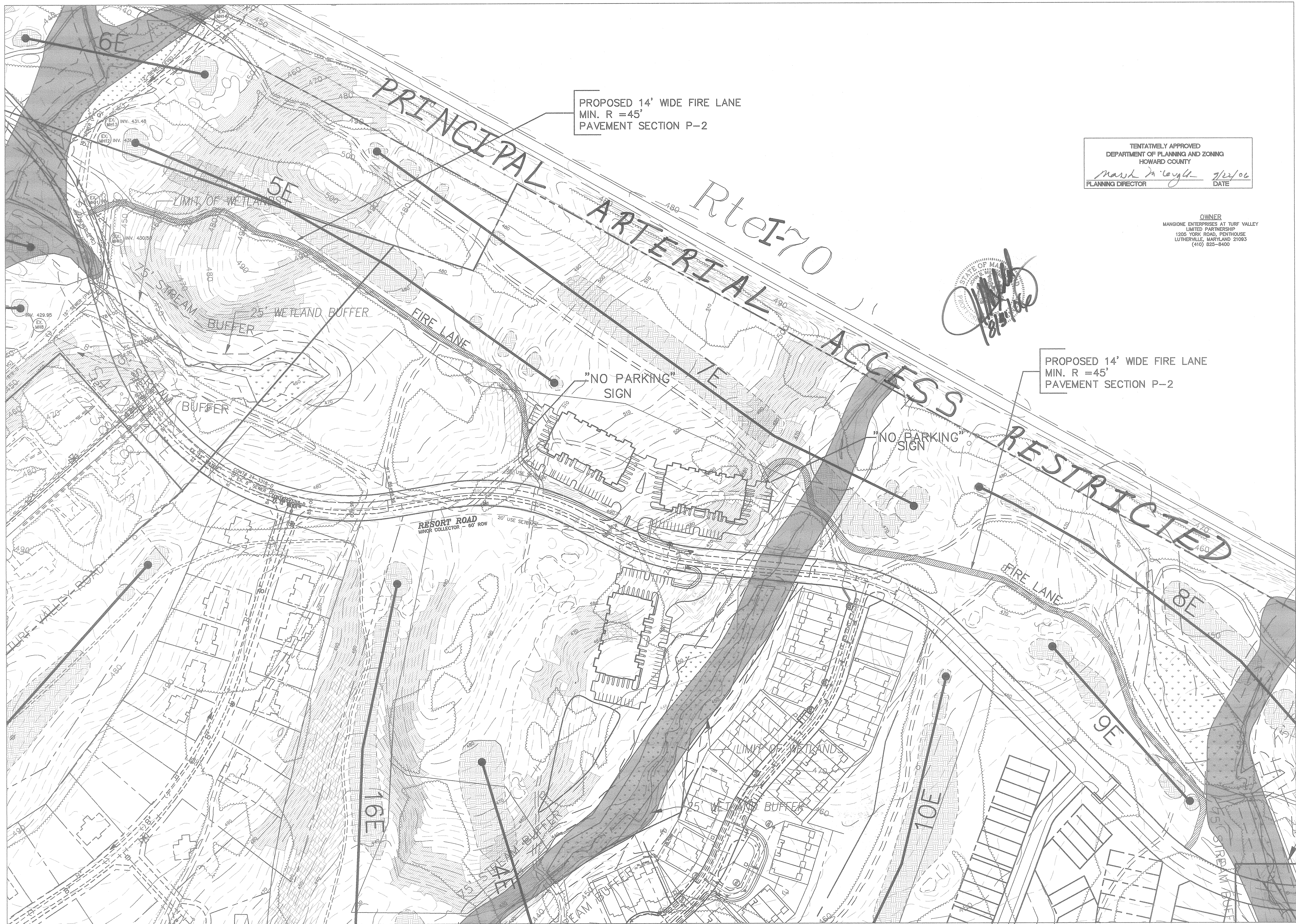
no.	description	date

**FAIRWAYS AT TURF VALLEY**  
 (PDS F & P/O H : SEC. IV : RESIDENTIAL PHASE IVE)  
 TAX MAP 16 - P/O PARCELS 8 & 50 - BLOCKS 10, 11, 16, & 17  
 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
**PRELIMINARY LANDSCAPE PLAN**

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland, 21042  
 (410) 997-0236 Balt. (301) 621-5521 Wash. (410) 997-0236 Fax.



PL 05-046/DWG/PRELIMINARY/064-CSP-FIRE-LINE



PROPOSED 14' WIDE FIRE LANE  
MIN. R = 45'  
PAVEMENT SECTION P-2

TENTATIVELY APPROVED  
DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY  
*Mark A. Lough* 7/22/06  
PLANNING DIRECTOR DATE

OWNER  
MANGIONE ENTERPRISES AT TURF VALLEY  
LIMITED PARTNERSHIP  
1205 YORK ROAD, PENTHOUSE  
LUTHERVILLE, MARYLAND 21093  
(410) 825-8400

*Handwritten signature and date: 8/2/06*

PROPOSED 14' WIDE FIRE LANE  
MIN. R = 45'  
PAVEMENT SECTION P-2

date	AUGUST 06
project	05-047
illustration	MMM
scale	1" = 100'
approval	MMM

description	revisions	date

**FAIRWAYS AT TURF VALLEY**  
(PODS F & P/O H : SEC. IV : RESIDENTIAL PHASE IVE)  
TAX MAP 16 - P/O PARCELS 8 & 50 - BLOCKS 10, 11, 16, & 17  
SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
**FIRE ACCESS PLAN**

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 397-0296 Fax (301) 621-5521 Wash. (410) 397-0298 Fax