GENERAL NOTES

- SUBJECT PROPERTY IS ZONED "PGCC" PER THE 2/02/04 COMPREHENSIVE ZONING PLAN AND THE "COMP. LITE" ZONING
- GROSS AREA OF SITE SUBJECT TO SUBDIVISION = 10.63 AC.±
- AREA OF PROPOSED PUBLIC R/W: 0.67 AC± NUMBER OF PROPOSED BUILDABLE LOTS: 33
- AREA OF PROPOSED BUILDABLE LOTS: 3.35 AC:
- NUMBER OF PROPOSED BULK PARCELS: 1 AREA OF PROPOSED BULK PARCEL: 2.34 AC± NUMBER OF PROPOSED OPEN SPACE LOTS: 4
- AREA OF PROPOSED OPEN SPACE LOTS: 4.27 AC±

- BEFORE STARTING WORK SHOWN ON THESE PLANS:
- **BGE(CONTRACTOR SERVICES)**
- HOWARD COUNTY, DEPT. OF PUBLIC WORKS, BUREAU OF UTILITIES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STAND

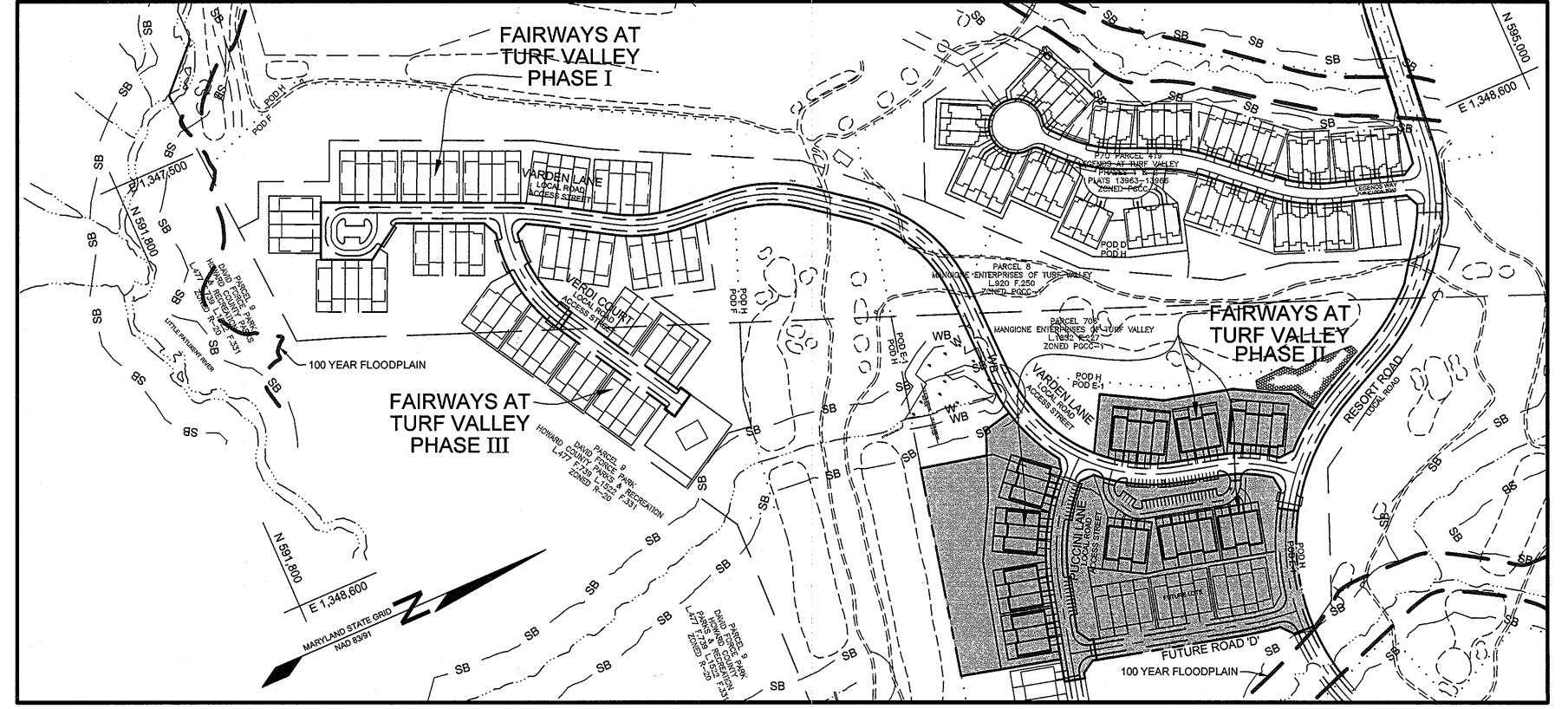
- - 4) STRUCTURES (CULVERTS/BRIDGES) CAPABLE OF SUPPORTING 25 GROSS TONS (H25-LOADING);
- LIMITS OF WETLANDS, STREAMS, OR THEIR REQUIRED BUFFERS, FLOODPLAIN AND FOREST CONSERVATION EASEMENT AREAS ALL DITCHES AND SWALES WILL HAVE EROSION CONTROL MATTING CONSTRUCTED UNDER SDP-95-121, AND BY DRY SWALES. WQV, REVAND CPV REQUIREMENTS ARE PROVIDED FOR THE AREAS
- THAT DRAIN TO THE REGIONAL STORMWATER MANAGEMENT FACILITY BY THE FACILITY. WQV AND REV REQUIREMENTS ARE PROVIDED FOR THE AREAS THAT DO NOT DRAIN TO THE REGIONAL FACILITY BY DRY SWALES. CPV IS NOT REQUIRED FOR THESE AREAS BECAUSE THE 1 YEAR PEAK RUNOFF IS LESS THAN 2 CFS. SEE THE STORMWATER MANAGEMENT REPORT FOR SDP-95-121 FOR DESIGN COMPUTATIONS FOR THE REGIONAL STORMWATER MANAGEMENT FACILITY. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING WILL BE POSTED AS PART OF THE DEVELOPER'S AGREEMENT IN THE
- AMOUNT OF \$18,600 (62 SHADE TREES @ \$300.00 EACH). STREET TREES AND INTERNAL LANDSCAPE TREES WILL BE PLANTED AT THE SITE DEVELOPMENT PLAN STAGE. LANDSCAPING FOR LOTS 48 THRU 80 WILL BE PROVIDED FOR AT THE SITE DEVELOPMENT PLAN STAGE IN ACCORDANCE WITH SECTION 16.124 OF THE SUBDIVISION REGULATIONS AND THE LANDSCAPE
- THE TRAFFIC STUDY FOR THIS PROJECT WAS PREPARED BY TRAFFIC GROUP, DATED JANUARY 07, 2005 AND WAS APPROVED UNDER THE 4TH AMENDED COMPREHENSIVE SKETCH PLAN ON APRIL 27, 2006. PARKING FOR THIS DEVELOPMENT IS REQUIRED AT THE RATE OF 2.3 SPACES PER UNIT (TWO SPACES FOR EACH UNIT STANDARD AND 0.3 SPACES FOR EACH UNIT OVERFLOW).
- REQUIRED PARKING: 128 (66 SPACES WITHIN GARAGES/ON DRIVEWAYS, 24 EXISTING PARKING SPACES ALONG PROPOSED PARKING:

VARDEN LANE, 20 PROPOSED PARKING SPACES ALONG THE PRIVATE ROAD, 20 PROPOSED PARKING SPACES ALONG PUCCINI LANE.) 9. A NOISE STUDY IS NOT REQUIRED FOR THIS PROJECT SINCE IT IS MORE THAN FIVE HUNDRED FEET (500') FROM A PRINCIPAL OR INTERMEDIATE ARTERIAL HIGHWAY AND SINCE THE HEAVY TRUCK TRAFFIC ON INTERSTATE ROUTE 70 DOES NOT EXCEED AN AD

> TENTATIVELY APPROVED DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY

PRELIMINARY EQUIVALENT SKETCH PLAN FAIRWAYS AT TURF VALLEY

PHASE II LOTS 48-80, OPEN SPACE LOTS 81-84, BULK PARCEL E POD 'E-1' SECTION IV: RESIDENTIAL PHASE IV E A RESUBDIVISION OF FAIRWAYS AT TURF VALLEY PHASE I NON-BUILDABLE BULK PARCELS A, B, & C HOWARD COUNTY, MARYLAND



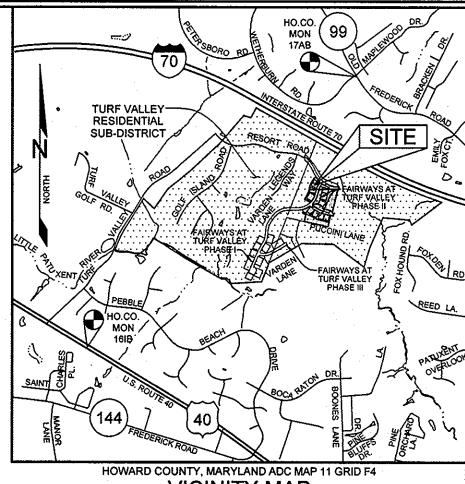
LOCATION MAP SCALE: 1"=200'

39. A NOISE STUDY IS NOT REQUIRED FOR THIS PROJECT SINCE IT IS MORE THAN FIVE HUNDRED FEET (500') FROM A PRINCIPAL OR INTERMEDIATE ARTERIAL HIGHWAY AND						Т	URF VALL	EY - RESI	DENTIAL	PHASING	PLAN			1				
SINCE THE HEAVY TRUCK TRAFFIC ON INTERSTATE ROUTE 70 DOES NOT EXCEED AN ADT				0505101177	OF OF ION IT	0.000.001.00	0505101177	OF OTION IX	OFOTION VV	0505101177	OFOTION TO	OFOTION TV	OFOTION W	OFOTION III	OFOTIONING	OF OF ION TO	0000001777	
OF TEN THOUSAND (10,000) VEHICLES.				SECTION II		SECTION II	SECTION III	SECTION II	SECTION III	SECTION III	SECTION IV	SECTION IV	SECTION IV	SECTION IV	SECTION IV		SECTION IV	
40. STREET LIGHT PLACEMENT AND THE TYPE OF FIXTURE AND POLE SHALL BE IN ACCORDANCE			PHAS	RESIDENTIA		RESIDENTIAL	. RESIDENTIAL	RESIDENTIAL	RESIDENTIAL	RESIDENTIAL	RESIDENTIAL	RESIDENTIAL	RESIDENTIAL	RESIDENTIAL	RESIDENTIAL		RESIDENTIAL	TOTAL (APPROVED)
WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME III (1993) AND AS MODIFIED BY			11010	PHASEIIA	PHASE IIB	PHASE IIC	PHASE IIC	PHASE IID	PHASE IIIA	PHASE IIID	PHASE IVA	PHASE IVB	PHASE IVC	PHASE IVD	PHASE IVD	PHASE IVE	PHASE IVE	
"GUIDELINES FOR STREET LIGHTS IN RESIDENTIAL DEVELOPMENTS (JUNE 1993)". A MINIMUM SPACING OF TWENTY FEET (20') SHALL BE MAINTAINED BETWEEN ANY STREET LIGHT AND		•		(EXEMPT)	(10/10/92)	(06/30/94)	(06/30/94)	(06/30/95)	(06/30/95)	(06/30/97)	(06/30/02)	(06/30/02)	(09/30/98)	(06/30/05)	(06/30/06)	(07/31/07)	(07/31/08)	
ANY TREE.	NAME	SECTION	FILE# UNIT	S 35	66	60	70	80	70	18	131	110	125	115	41	200	265	1,386 UNITS
1. PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE	TURF VALLEY VILLAS	3201.311	S-94-046 95				 	+			101	1,,,	,	1.0	· · · · · ·	200		1,000 01
PREPARED OR APPROVED BY ME (PAUL M. SILL, P.E.), AND THAT I AM A DULY LICENSED	TURF VALLEY VILLAS	PHASE 1, AREA D, LOT 4	S-94-046 95															
PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE	TURF VALLEY VILLAS	AREA D, LOT 4	P-95-026 95										,					
NO. 32025, EXPIRATION DATE: JUNE 06, 2009	TURF VALLEY VILLAS	SEC 1, PARCEL A, POD L	SP-95-013 162				-	+			 				-			
THIS PROJECT IS SUBJECT TO THE CRITERIA ESTABLISHED BY THE SECOND AMENDMENT	TURF VALLEY VILLAS	PHASE 1, PARCEL B, C & D	F-97-069 162			60 UNITS		66 UNITS	1 UNIT					·				162 UNITS (MULTI-USE SUBDISTRIC
TO THE TURF VALLEY RESIDENTIAL SUBDISTRICT FINAL DEVELOPMENT PLAN.	TURF VALLEY VILLAS	SEC. 2, PARCEL B, POD L	SP-95-024 69			00 014113	_	00 011110	1 01471									102 014113 (MOETI-03E 30BDISTRIC
. A WAIVER TO THE HOWARD COUNTY DESIGN MANUAL, VOLUME III, SECTION 2.3.A.3.f. WAS	TURF VALLEY VILLAS	SEC. 2, PARCEL B, POD L	SP-95-024 69															
APPROVED ON JANUARY 18, 2008. THIS ALLOWS THE FUTURE INTERSECTION OF PUCCINI LANE AND ROAD 'D' TO BE USED AS A TURNAROUND AREA RATHER THAN A TEMPORARY TEE	TURF VALLEY VILLAS	SEC. 2, PARCEL B, POD L	SP-95-026 69										•					
TURNAROUND.		PHASE 2, SEC. 2, PARCEL E	F-97-158 69						69 UNITS	<u>'</u>								CONNECTANT TO LICE CURRENTS
PER HOWARD COUNTY COMMENTS ON F-07-158, RESORT ROAD IS LABELED AS A LOCAL ROAD.	TURF VALLEY VILLAS TURF VALLEY	LOTS 1-67					···	•	US CINITS									69 UNITS (MULTI-USE SUBDISTRICT
BUT HAS BEEN DESIGNED AS A MINOR COLLECTOR.		LOTS 1-67 LOTS 1-69, PHASE I & II	S-92-015 66 P-93-010 66			1				1					1			
5. IT IS PROPOSED THAT THE 1.12 ACRE FOREST CONSERVATION ACT REFORESTATION	TURF VALLEY	AREA 1-C, LOTS 1-67, PARCEL C	F-94-006 63							:								1
OBLIGATION BE MET BY PROVIDING 0.71 ACRES OF OFF-SITE REFORESTATION AND 0.82	TURF VALLEY	AREA 1-C, LOTS 1-67, PARCEL C	F-94-006 62		COLUMITO	İ				· '						٠,		COLUMNIE (DECIDENTIAL CURRICTRIC
ACRES OF OFF-SITE RETENTION. THE OFF-SITE REFORESTATION WILL BE ON PARCEL D AND	TURF VALLEY	LOTS 69-104 (RESUB LOTS 2-28, 59-67			62 UNITS							1						62 UNITS (RESIDENTIAL SUBDISTRIC
WILL BE PLACED IN A FOREST CONSERVATION EASEMENT SHOWN ON THE FINAL PLAT OF THE	TURF VALLEY	LOTS 105-104 (RESUB LOTS 2-26, 59-67			_	<u> </u>					 							
VILLAGES OF TURF VALLEY PHASE 2 (F-08-084). THE RETAINED AREAS WILL BE POSTED WITH	TURF VALLEY VISTAS) 21					1			
APPROPRIATE PROTECTIVE SIGNAGE.	TURF VALLEY VISTAS	LOTS 105-147 (RESUB LOTS 29-58, 69)			1					:								
THIS PLAN IS SUBJECT TO WAIVER PETITION, WP-09-048, TO WAIVE SECTION 16.1202(a)(1) OF	TURF VALLEY VISTAS	LOTS 105-145 (RESUB LOTS 2-28)	F-96-107 12	/	<u> </u>		1	12 UNITS								•		12 UNITS (RESIDENTIAL SUBDISTRIC
THE HOWARD COUNTY CODE AND WAS APPROVED ON NOVEMBER 26, 2008, SUBJECT TO THE FOLLOWING CONDITIONS:	TURF VALLEY	POD D, LOTS 1-76	S-94-045 70	•									1					
PETITIONER IS ADVISED THAT WAIVER PETITION APPROVAL APPLIES ONLY TO	TURF VALLEY	POD D, LOTS 1-68	S-94-045 64												}			
TEMPORARY DEFERRAL FOR ESTABLISHING ON- OR OFF-SITE FOREST CONSERVATION	TURF VALLEY	POD D	SP-95-014 54				1			•								
EASEMENTS FOR DEVELOPMENT OF TURF VALLEY 4TH AMENDED CSP, PARCEL 706.	TURF VALLEY	POD D & E, LOTS 1-58	SP-95-014 54															
EACH SUBSEQUENT PHASE OF DEVELOPMENT MUST ESTABLISH THE REQUIRED	TURF VALLEY	PH. I, P/O AREAS B,C,D,H, LOTS 1-35	F-96-150 32						;									
AREA OF FOREST CONSERVATION EASEMENTS AND PROVIDE THE NECESSARY AREA OF	TURF VALLEY	PH. II, POD D & P/O E, LOTS 36-59	F-96-151 22			٠ .				:								
FOREST RETENTION AND AFFORESTATION PLANTING AS REQUIRED BY THE FOREST	TURF VALLEY	PH. I, P/O AREAS B,C,D,H LOTS 1-35	1 1/							*								
CONSERVATION WORKSHEET FOR THE DEVELOPMENT TO SATISFY IT'S OBLIGATION.	THE LEGENDS AT TURF VALLEY	PH. II, POD D & P/O E, LOTS 36-59	F-96-151 22				22 UNITS			0								22 UNITS (RESIDENTIAL SUBDISTRIC
THE ENTIRE AREA OF FOREST CONSERVATION OBLIGATION FOR PARCEL 706 MUST	THE LEGENDS AT TURF VALLEY	PH. I, P/O AREAS B,C,D,H, LOTS 1-35						1										
BE PROVIDED WITH THE PROCESSING AND RECORDING OF THE LAST PHASE OF	THE LEGENDS AT TURF VALLEY	PH. I, LOTS 60-91	F-96- 1 51 29				29 UNITS											29 UNITS (RESIDENTIAL SUBDISTRIC
DEVELOPMENT LOCATED ON PARCEL 706.	THE LEGENDS AT TURF VALLEY	PH. III, LOTS 60-76	SP-97-012 16							<u> </u>								
 PETITIONER MUST MEET ALL APPLICABLE DEADLINE AND MILESTONE DATES IN ACCORDANCE WITH SECTIONS 16.144 AND 16.156 OF THE HOWARD COUNTY CODE. 	THE LEGENDS AT TURF VALLEY	PH. III, LOTS 60-76	F-98-091 8					1		8 UNITS								8 UNITS (RESIDENTIAL SUBDISTRIC
ACCORDANCE WITH SECTIONS 10.144 AND 10.130 OF THE HOWARD COUNTY CODE.	OAKMONT AT TURF VALLEY	POD M, S, K	S-99-002 125			1				1							Ì	·
	OAKMONT AT TURF VALLEY	POD M, S, K, L	P-00-021 125			<i>j</i>				; ;								
	OAKMONT AT TURF VALLEY	P/O PODS K,L,S-PAR. Q-X	F-02-082 150							1.00								
	OAKMONT AT TURF VALLEY	P/O PODS K,L,S-PAR. Q-X	SDP-07-062 192								42 UNITS		125 UNITS		25 UNITS			192 UNITS (MULTI-USE SUBDISTRIC
	VILLAGES AT TURF VALLEY	P/O PODS K-O, Q&S	S-03-001 241			1 /	i			:			1					
	VILLAGES AT TURF VALLEY	P/O PODS K-P, Q&S	P-06-013 241			1 /												
	VILLAGES AT TURF VALLEY	/PHASE 1	F-08-060 63							:								
	VILLAGES AT TURF VALLEY	PHASE 2	F-08-084 75		· '					· '								·
	VILLAGES AT TURF VALLEY	PHASE 3	F-08-085 59			l i												
	VILLAGES AT TURF VALLEY	/ PHASE 4	F-08-086 23								89 UNITS	110 UNITS				21 UNITS		220 UNITS (MULTI-USE SUBDISTRIC
	TURF VALLEY PODS 8 & C	PODS B & C	S-04-012 115°	Ì		·												
	GREEN OVERLOOK AT TURF VALLEY	PODS B & C	P-06-010 69*															
	VANTAGE CONDIMINIUMS AT TURF VALLE		F-08-057 69*							:				69 UNITS				69 UNITS (RESIDENTIAL SUBDISTRIC
TENTATIVELY APPROVED	FAIRWAYS AT TURF VALLEY	POD F	SP-06-013 16;46	*														·
DEPARTMENT OF PLANNING AND ZONING	FAIRWAYS AT TURF VALLEY, PHASE I		F-07-158 47							<u>.</u>		3		31 UNITS**	16 UNITS			47 UNITS (RESIDENTIAL SUBDISTRIC
HOWARD COUNTY	FAIRWAYS AT TURF VALLEY, PHASE II		SP-08-006 33			1							<u> </u>	<u> </u>		33 UNITS		
	FAIRWAYS AT TURF VALLEY, PHASE III		SP-08-005 18					l			1					18 UNITS		
	TURF VALLEY CLUBHOUSE	PHASE I, POD L	S-08-001 128						<u> </u>					<u> </u>	 	128 UNITS		
			,							tara ana any anima any	And the second second second second second	d 	And the state of the state of	STATE SEALINGS STATE IN ACCOUNT		,		I.,

NOTE: *46 UNITS TRANSFERRED FROM PODS B & C TO POD F PURSUANT TO THE CONFIRMATION LETTER DATED 12/21/05 FROM MARSHA MCLAUGHLIN, DIRECTOR, DEPARTMENT OF PLANNING AND ZONING.

**FIFTEEN UNITS WERE DELETED ON THE FINAL PLANS, F-07-158, DUE TO PLAN REVISIONS.

EXISTING CONTOUR ____382 PROPOSED CONTOUR **EXISTING SPOT ELEVATION** PROPOSED SPOT ELEVATION **DIRECTION OF FLOW EXISTING TREES TO REMAIN** WALK OUT BASEMENT PROPOSED STREET LIGHT



VICINITY MAP

BENCHMARKS								
NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION				
16IB	590,475.2538	1,344,753.9350	469.892	11.5' SOUTHWEST OF WBL RT. 40, 20.8' WEST OF PK NAIL IN SHOULDER, 66.4' SOUTH OF LAST POST IN GUARDRAIL				
17AB	598,435.249	1,348,615.2482	508.469	SE OF INTERSECTION OF RTE. 99 AND WETHERBURN ROAD, 14.8' WEST OF FENC POST, 35' NE OF MANHOLE				

	SHEET INDEX	
HEET NO.	DESCRIPTION	
1	COVER SHEET	
2	PRELIMINARY ROAD PROFILE: PUCCINI LANE	
3	PRELIMINARY EQUIVALENT SKETCH PLAN	
4	PRELIMINARY GRADING, SEDIMENT AND EROSION CONTROL PLAN	
5	STORM DRAINAGE AREA MAP	
6	PRELIMINARY LANDSCAPE PLAN	
7	FOREST CONSERVATION PLAN	
8	FOREST CONSERVATION PLAN - OFFSITE FCE	
9	FOREST CONSERVATION PLAN - OFFSITE FCE	

SITE ANALYSIS DATA CHART								
TOTAL PROJECT AREA	AREA OF SUBMISSION	DISTURBED AREA	PRESENT ZONING					
10.63 AC±	10.63 AC.±	268,800 SF±	PGCC-1					
PROPOSED USE	FLOOR SPACE PER USE	TOTAL UNITS ALLOWED	TOTAL UNITS PROPOSED					
RESIDENTIAL	NA	33	33					
MAX. # EMPLY/TENANTS	PARKING SPACES REQ.	PARKING SPACES PROV.	HC SPACES PROVIDED NA					
NA	2 PER DWELLING**	2 PER DWELLING**						
OPEN SPACE REQUIRED *	OPEN SPACE PROVIDED *	REC. O.S. REQUIRED NA	REC. O.S. PROVIDED NA					
BUILDING COVERAGE 81,880 SF±	FLOOR AREA RATIO NA	S-86-013; S-94-045; S-04-0 F-94-006; F-96-107; F-96-1! SDP-95-121; CONTR.#44-1 CONTR. #24-4485-D; CON	50; F-96-151; F-07-158; 562-D, CONTR.#24-3549-D; FR. #24-4486-D; CONTR. 94; PB-300; PB-351; PB-368;					

* SEE GENERAL NOTE #9 ** SEE GENERAL NOTE #38

	ROAD CLASSIFICATION									
ROAD NAME	CLASSIFICATION	PAVING TYPE	DESIGN SPEED	LIMITS OF CONSTRUCTION	RW					
PUCCINI LANE	ACCESS STREET	P-2	30	0+00 TO 5+43.65	50'					

STREET LIGHT TABLE						
FIXTURE TYPE	POLE TYPE	LOCATION	STREET			
100 WATT HPS VAPOR PREMIER POST TOP MOUNTED	14' BLACK FIBERGLASS	© STA. 1+60 15' LEFT	PUCCINI LANE			
100 WATT HPS VAPOR PREMIER POST TOP MOUNTED	14' BLACK FIBERGLASS	Ç STA. 2+95 15' LEFT	PUCCINI LANE			
100 WATT HPS VAPOR PREMIER POST TOP MOUNTED	14' BLACK FIBERGLASS	Ç STA. 3+97 15' LEFT	PUCCINI LANE			
100 WATT HPS VAPOR PREMIER POST TOP MOUNTED	14' BLACK FIBERGLASS	© STA. 5+27 15.5' LEFT	PUCCINI LANE			

NOTE: LIGHT POLE LOCATION GIVEN AT CENTER OF BASE

CURB TRANSITION CHART						
INLET NO.	STREET	CURB TRANSITION	STATION			
1-34	PUCCINI LANE	BEGIN TRANSITION (MODIFIED TO STANDARD)	4+83.8			
1-0-4	FOCOINI DANE	END TRANSITION (STANDARD TO MODIFIED)	5+19.5			
I-35	PUCCINI LANE	BEGIN TRANSITION (MODIFIED TO STANDARD)	5+12.7			
1-00	1 000III DAIL	END TRANSITION (STANDARD TO MODIFIED)	N/A			
I-36	PUCCINI LANE	BEGIN TRANSITION (MODIFIED TO STANDARD)	2+39.4			
1-30	FOCOINEDANE	END TRANSITION (STANDARD TO MODIFIED)	2+64.4			
1-37	PUCCINI LANE	BEGIN TRANSITION (MODIFIED TO STANDARD)	2+28.4			
1-01	1 COOMITEANE	END TRANSITION (STANDARD TO MODIFIED)	2+75.3			

OWNER/DEVELOPER

MANGIONE ENTERPRISES OF TURF VALLEY, LP 1205 YORK ROAD, PENTHOUSE **LUTHERVILLE, MARYLAND 21093** 410.825.8400

COVER SHEET

FAIRWAYS AT TURF VALLEY

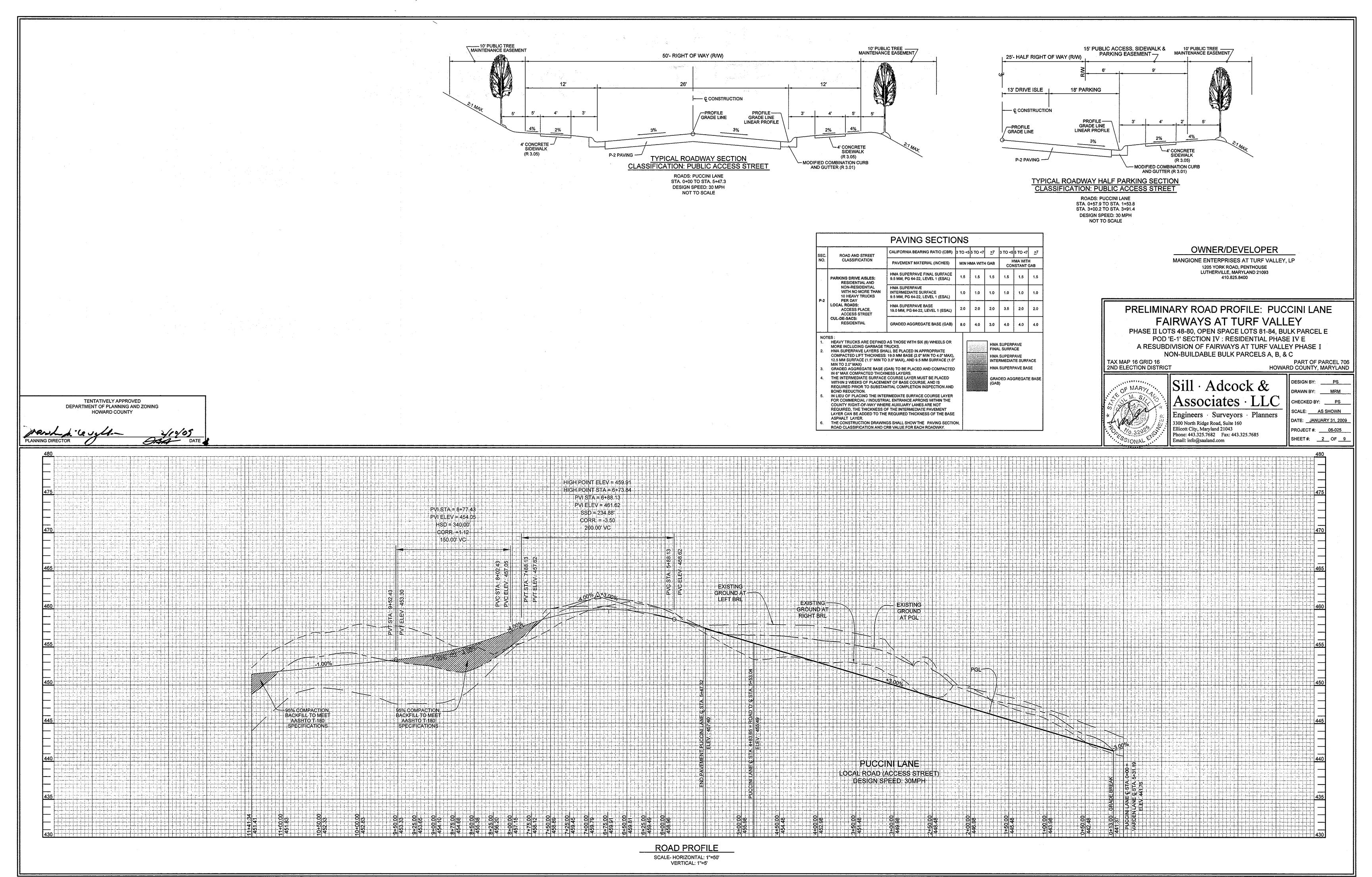
PHASE II LOTS 48-80, OPEN SPACE LOTS 81-84, BULK PARCEL E POD 'E-1' SECTION IV: RESIDENTIAL PHASE IV E A RESUBDIVISION OF FAIRWAYS AT TURF VALLEY PHASE I NON-BUILDABLE BULK PARCELS A, B, & C

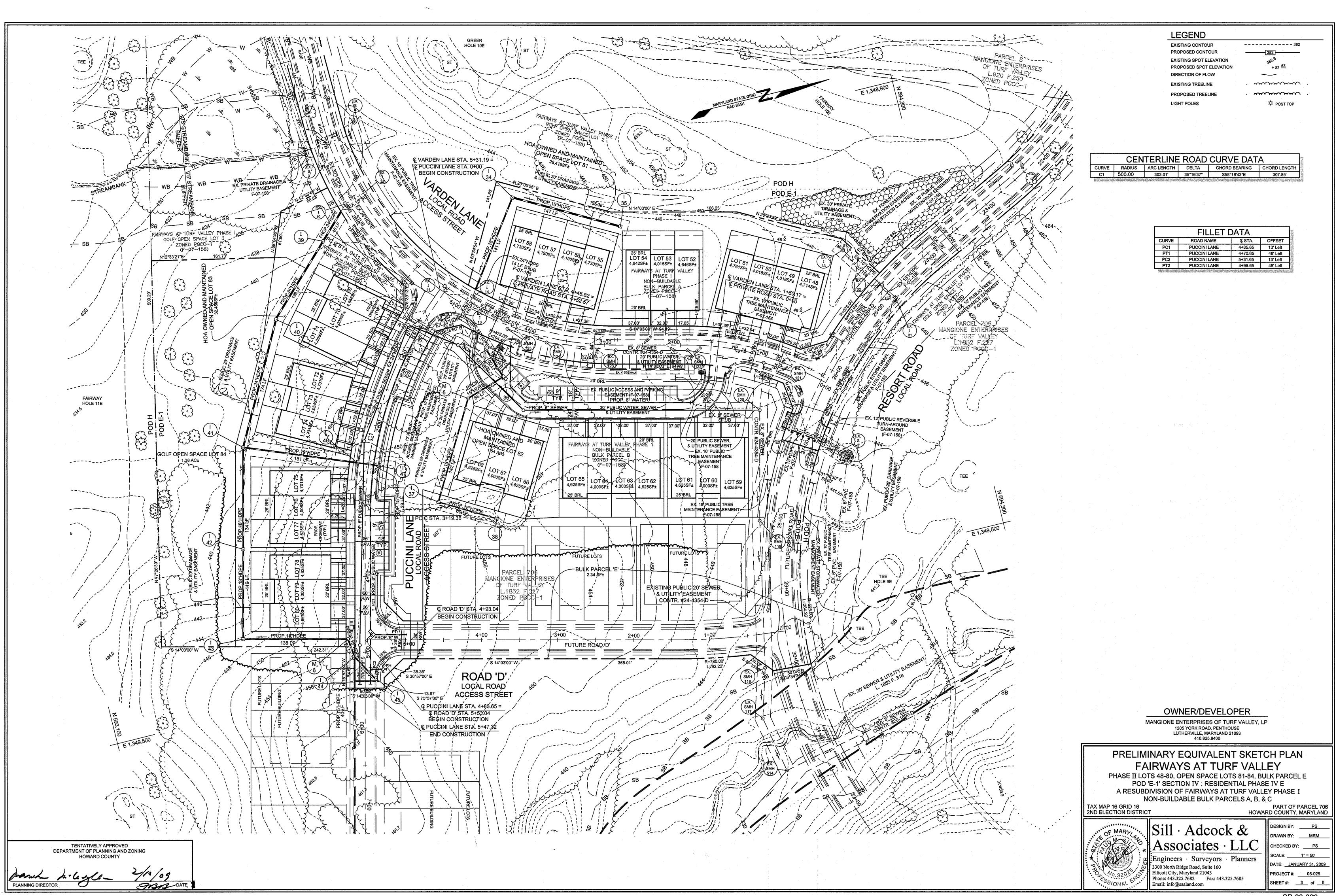
TAX MAP 16 GRID 16 2ND ELECTION DISTRICT



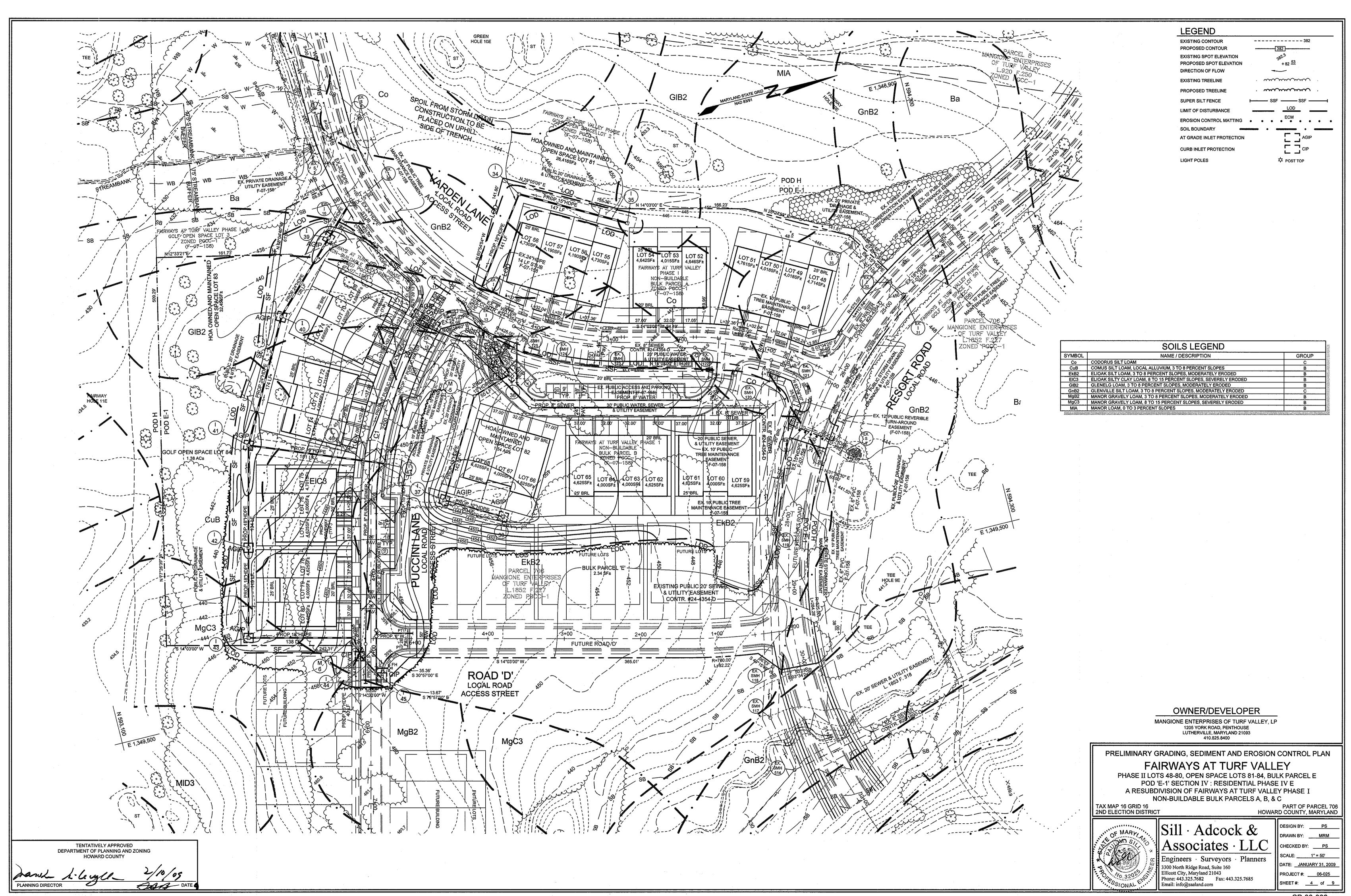
DRAWN BY: ___MRM_ CHECKED BY: PS SCALE: AS SHOWN DATE: JANUARY 31, 2009 PROJECT#: _____06-025_ SHEET#: 1 of 9

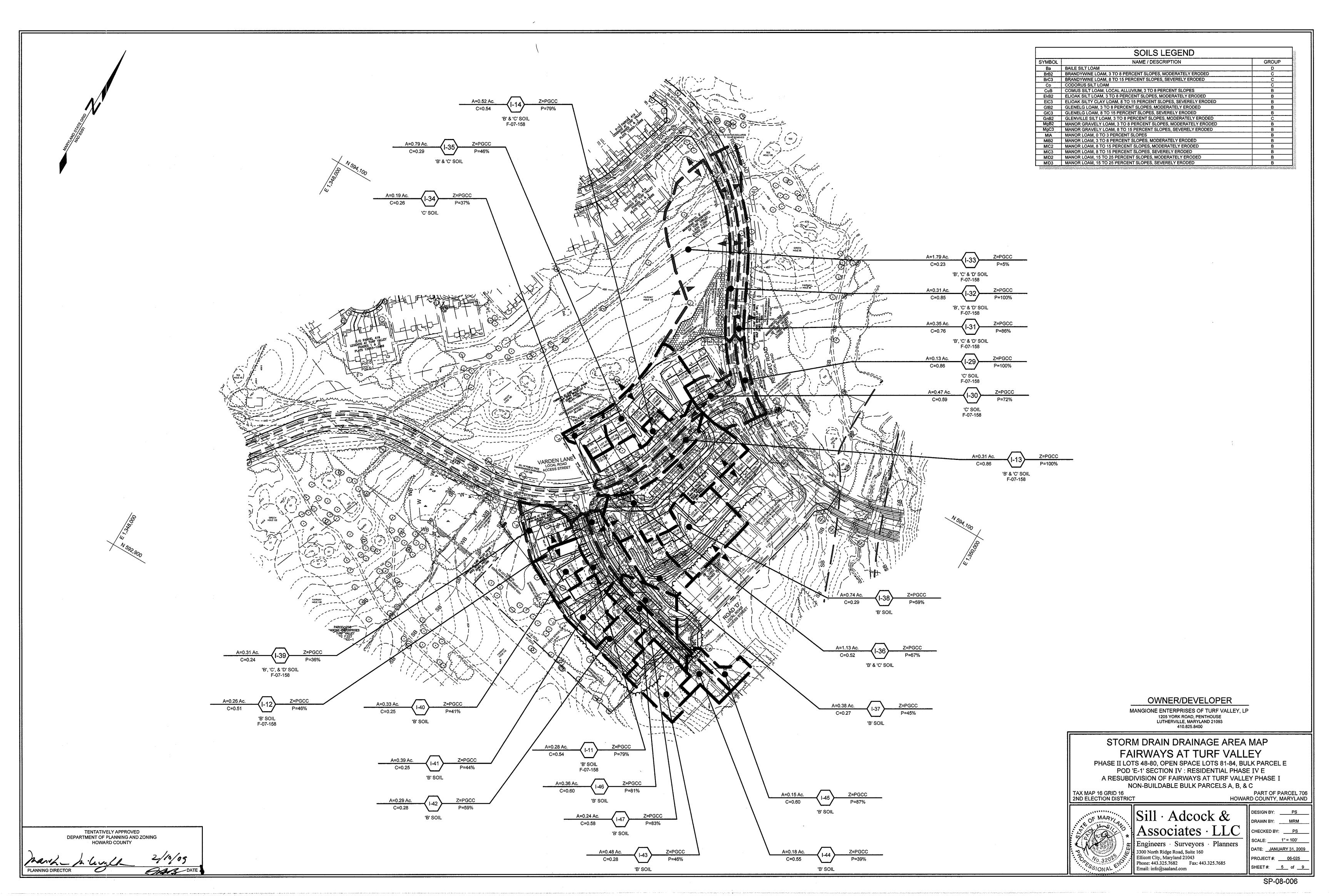
HOWARD COUNTY, MARYLAND

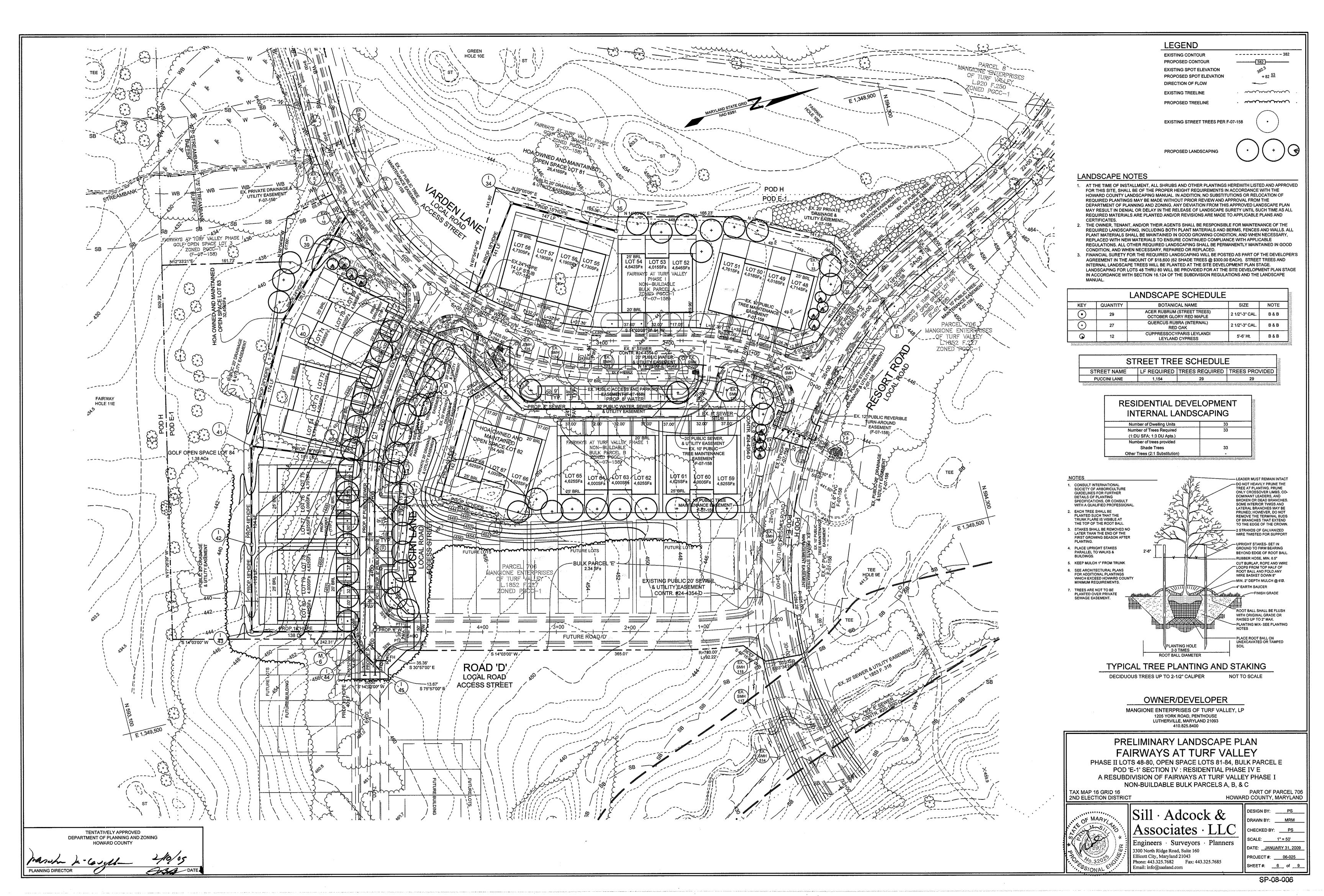


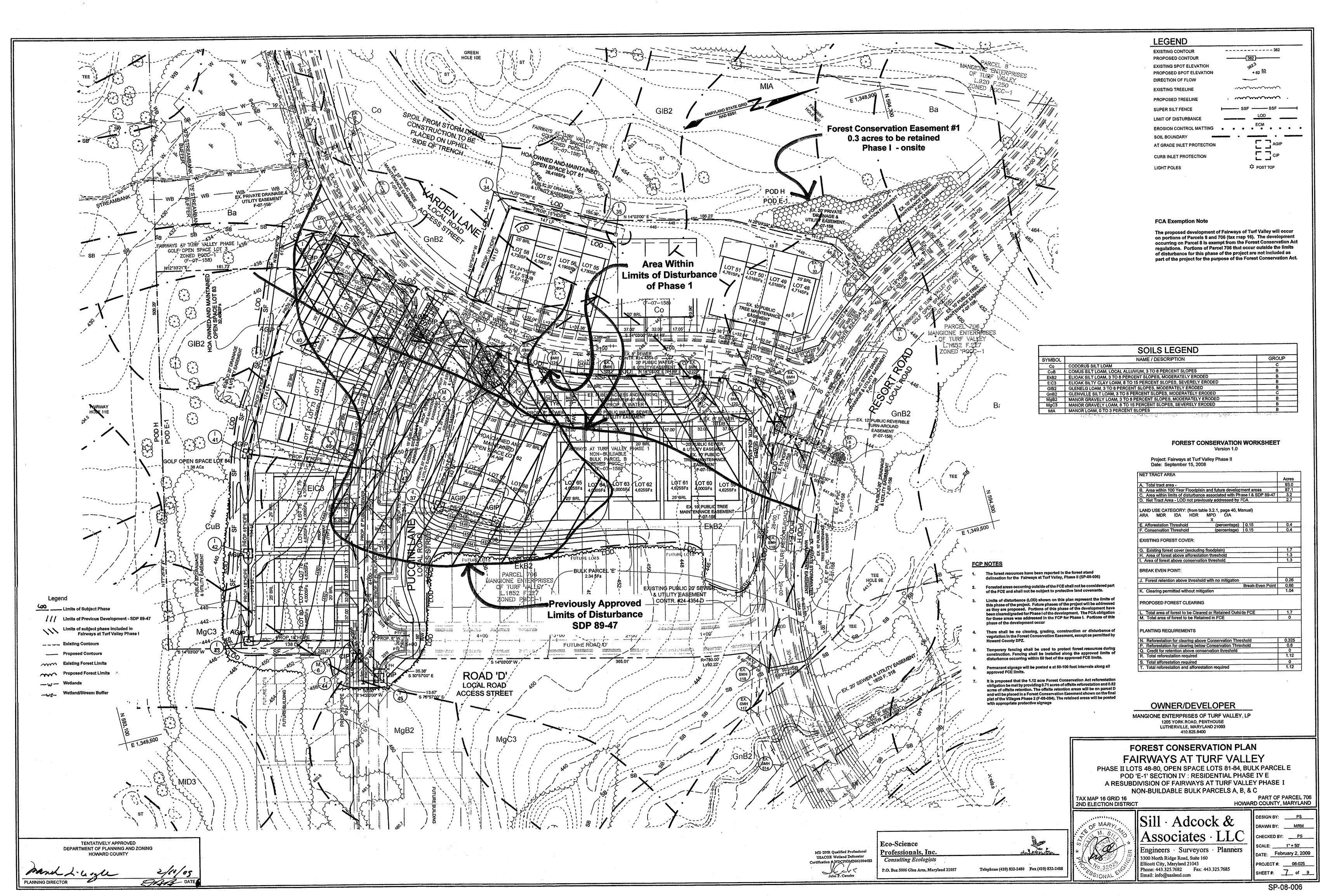


SP-08-006









PLANTING NOTES:

1. MULTIFLORA ROSE CONTROL MAY BE REQUIRED AS PART OF THIS PLANTING PLAN. 2. BAREROOT PLANT MATERIAL MAY BE USED TO OFFSET THE COST OF MULTIFLORA ROSE REHOVAL AND MAINTENANCE, IF BAREROOT MATERIAL IS USED IT MUST BE PLANTED IN MAICH - APRIL AND AN ANTI-DESICCANT GEL SHOULD BE UTILIZED TO PROTECT ROOT

3. PLANTS SHOULD BE FLAGGED TO AID ON LOCATION DURING MAINTENANCE. PLANTINGS SHOULD ALSO BE PLANTED IN A GRID PATTERN TO FACILITATE MAINTENANCE AND REMOVAL OF INVASIVE AND EXOTIC SPECIES.

MULTIFLORA ROSE CONTROL NOTE

MULTIFLORA ROSE IS PREVALENT IN CERTAIN AREAS TO BE AFFORESTED. PRIOR TO PLANTING ALL MULTIFLORA ROSE SHOULD BE REMOVED. REMOVAL OF THE ROSE MAY BE PERFORMED WITH MOWING AND HERBICIDE TREATMENTS. PHYSICAL REMOVAL OF ALL TOP GROWTH FOLLOWED BY A PERIODIC HERBICIDE TREATMENT OF STUMP SPROUTS IS RECOMMENDED. NATIVE TREE AND SHRUB SPECIES OCCURRING WITHIN THE ROSE THICKETS SHOULD GE RETAINED WHEREVER POSSIBLE. HERBICIDE TREATMENTS SHALL OCCUR ON 2 MONTH INTERVALS DURING THE FIRST GROWING SEASON AND ONCE EACH IN THE SPRING AND FALL FOR SUBSEQUENT YEARS. HERBICIDE USED SHALL BE MADE SPECIFICALLY TO ADDRESS WOODY PLANT MATERIAL AND SHALL BE APPLIED AS PER MANUFACTURERS SPECIFICATIONS. CARE SHOULD BE TAKEN NOT TO SPRAY PLANTED TREES OR NATURALLY OCCURRING NATIVE TREE/SHRUB SEEDLINGS. IT IS RECOMMENDED THAT INITIATION OF ROSE REMOVAL BEGIN AT LEAST SIX MONTHS PRIOR TO PLANTING.

PLANTING/SOIL SPECIFICATIONS

PLANTING OF NURSERY STOCK SHALL TAKE PLACE BETWEEN MARCH 15TH AND APRIL 30TH.

PLANTING OF NURSERY STOCK SHALL TAKE PLACE BETWEEN MARCH 15TH AND APRIL 30TH.

CONTAINER STOCK MAY BE PLANTED BETWEEN SEPTEMBER 1ST AND OCTOBER 30TH.

A TWELVE (12) PICH LAYER OF TOPSOR SHALL BE SPREAD OVER ALL REFORESTATION AREAS BAPACTED BY SITE GRADING TO ASSURE A SUTFABLE PLANTING AREA. DISTURBED AREAS SHALL BE SELECED AND STABILIZED AS PER GENERAL CONSTRUCTION PLAN FOR PROJECT. PLANTING AREAS NOT BIPACTED BY SITE GRADING SHALL HAVE NO ADDITIONAL TOPSOIL INSTALLED.

ALL BAREROOT PLANTING.

PHANTS SHALL BE INSTALLED SO THAT THE TOP OF ROOT MASS IS LEVEL WITH THE TOP OF EXISTING GRADE. BACKIFEL IN THE PLANTING PITS SHALL CONSIST OF 3 PARTS EXISTING SOIL TO 1 PART PINE FINES OR EQUIVALENT.

FERTILIZER SHALL CONSIST OF AGRIFORM 22-8-2, OR EQUIVALENT, APPUED AS PER MANUFACTURER'S SPECIFICATIONS.

A TWO (2) BICH LAYER OF HARDWOOD MULCH SHALL BE PLACED OVER THE ROOT AREA OF ALL PLANTINGS. PLANTINGS.

PLANT MATERIAL SHALL BE TRANSPORTED TO THE SITE IN A TARPED OR COVERED TRUCK. PLANTS SHALL BE KEPT MOIST PRIOR TO PLANTING.

ALL NON-ORGANIC DEBRIS ASSOCIATED WITH THE PLANTING OPERATION SHALL BE REMOVED FROM THE SITE BY THE CONTRACTIOR.

SEQUENCE OF CONSTRUCTION 1. PLANTS SHALL BE INSTALLED AS PER PLANT SCHEDULE AND PLANTING/SOIL SPECIFICATIONS FOR THE PROJECT.
2. UPON COMPLETION OF THE PLANTING, SIGNINGE SHALL BE INSTALLED AS PER THE FOREST RETENTION AREA PROTECTION DEVICES SHOWN ON THE FOREST CONSERVATION PLAN.
3. PLANTINGS SHALL BE MAINTAINED AND GUARANTEED IN ACCORDANCE WITH THE MAINTENANCE AND GUARANTEE REQUIREMENTS FOR PROJECT:

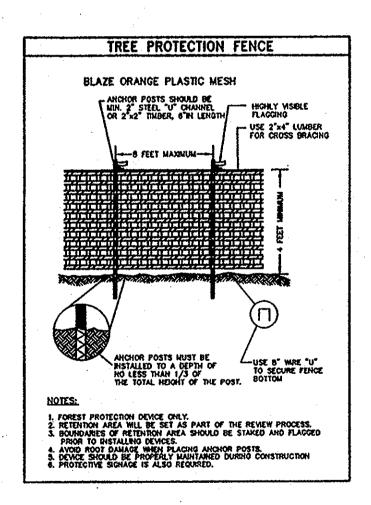
MAINTENANCE OF PLANTINGS

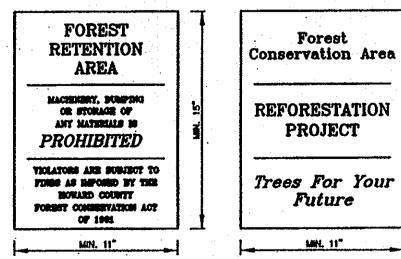
1. MINITENANCE OF ALL PLANTINGS SHULL LAST FOR A PERIOD OF 24 MONTHS.
2. ALL PLANT MATERIAL SHALL BE WATERED TIMES A MONTH DURING THE 1ST GROWING SEASON, WATERING MAY BE MORE OR LESS FREQUENT DEPENDING ON WEATHER CONDITIONS, OURTING SECOND GROWING SEASON, ONCE A MONTH DURING MAY—SEPTEMBER, IF NEEDED.
3. INVASIVE EXCITICS AND NOXIOUS WEEDS WILL BE REMOVED FROM REFORESTATION AREAS. OLD FIELD SUCCESSIONAL SPECIES WILL BE RETAINED.
4. PLANTS WILL BE EXAMINED A MINIMUM OF TWO TIMES DURING THE GROWING SEASON FOR SERIOUS PLANT PESTS AND DISEASES. SERIOUS PROBLEMS WILL BE TREATED WITH THE APPROPRIATE AGENT.
5. DEAD BRANCHES WILL BE PRUNED FROM PLANTINGS.

THE DEVELOPER SHALL POST A SURETY (BOND, LETTER OF CREDIT) TO ENSURE THAT REFORESTATION PLANTINGS ARE COMPLETED. UPON ACCEPTANCE OF THE PLANTINGS BY THE COUNTY, THE BOND SHALL BE RELEASED.

2" CALIPER TREES = 7 PLANTING UNITS 1" CALIPER TREES = 3.5 PLANTING UNITS WHIPS W/SHELTERS = 2 PLANTING UNITS SEEDLINGS = 1 PLANTING UNIT

PLANTING SHALL BE INSTALLED IN A CURVILINEAR FASHION ALONG A CONTOUR TO AVOID A GRID APPEARANCE BUT SHOULD BE SPACED TO FACILITATE MAINTENANCE, LARGER STOCK TREES (1" AND 2" CALIPER) SHOULD BE STAGGERED ALONG THE OUTER PERIMETER OF THE PLANTING AREAS TO SERVE AS A DEMARCATION OF THE FCE.





TENTATIVELY APPROVED DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY PLANNING DIRECTOR

Fairways at Turf Valley Forest Conservation Credit Calculations

Phase	Proposed onsite Retention	Reforestation/ Afforestation Required	Reforestation/ Afforestation Credit Provided Offsite*	FCE Credit Recorded but not Utilized by Phase and location of FCE easement**
Phase 1	0.3 acres	2.8 acres	3.52 acres	0.22 acres reforestation 1.0 acres retained forest Plat of Revision Parcel D - F-09-22
Phase 2	0 acres	1.12 acres	1.12 acres	0 acres
	Total FCE	credit not yet util	ized for project	0.72 acres

FOREST CONSERVATION NOTES:

AREA FOREST WITHIN A FOREST CONSERVATION OBLIGATION AMOUNT OF ALAB ASPES SHALL BE MET BY THE RETENTION OF 2.03 AC. OF NET TRACT AREA FOREST WITHIN A FOREST CONSERVATION EASEMENT ON ARCEL 401 AND BY THE OFFICE RETENTION OF 4.90 AC. OF FOREST WITHIN A FOREST CONSERVATION EASEMENT OF WHICH ONLY 2.45 AC. IS CREDITED (SINCE THIS RETENTION IS OFFISITE IT IS CHEDITED AT A 2.1 RATIO). FINANCIAL SURETY FOR THE REQUIRED FOREST CONSEL ATON HAS BEEN POSTED AS PART OF THE DPW DEVELOPERS AGREEMENT IN THE MOUNT OF \$42,688.80 (\$0.20 PER SQUARE FOOT). PARCEL 8 & 204: THIS PORTION OF THE PROJECT IS EXEMPT FROM HOWARD COUNTY FOREST CONSERVATION REQUIREMENTS UNDER SECTION 16.1202(5) OF THE COUNTY CODE SINCE IT IS A PLANNED UNIT DE FLOPMENT

RECORDS OF HOWARD COUNTY WHICH RESTRICT THE DISTURBANCE AND USE OF

3. THE FOREST CONSERVATION EASEMENTS HAVE BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE, FOREST CONSERVATION ACT. NO CLEARING, GRADING, OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENTS; HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT ARE ALLOWED

4. LIMITS OF DISTURBANCE SHALL BE RESTRICTED TO AREAS OUTSIDE THE LIMIT OF TEMPORARY FENCING OR THE FCE BOUNDARY, WHICHEVER IS GREATER. 5. THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION OR DISTURBANCE OF VEGETATION IN THE FOREST CONSERVATION EASEMENT, EXCEPT AS

6. NO STOCKPILES, PARKING AREAS, EQUIPMENT CLEANING AREAS, ETC.

7. TEMPORARY FENCING SHALL BE USED TO PROTECT FOREST RESOURCES DURING CONSTRUCTION. THE FENCING SHALL BE PLACED ALONG ALL FCE RETENTION BOUNDARIES WHICH OCCUR WITHIN 15 FEET OF THE

8. PERMANENT SIGNAGE SHALL BE PLACED 50-100' APART ALONG THE BOUNDARIES OF ALL AREAS INCLUDED IN FOREST CONSERVATION EASEMENTS.

2. ANY FOREST CONSERVATION EASEMENT (FCE) AREA SHOWN HEREON IS SUBJECT TO PROTECTIVE COVENANTS WHICH MAY BE FOUND IN THE LAND

PERMITTED BY HOWARD COUNTY DPZ.

SHALL OCCUR WITHIN AREAS DESIGNATED AS FOREST CONSERVATION

PROPOSED LIMITS OF DISTURBANCE.

9. PORTIONS OF THE SITE OCCURRING WITHIN THE 100-YEAR FLOODPLAIN ARE NOT INCLUDED AS PART OF THE NET TRACT AREA OF THE SITE. AREAS OF FLOODPLAIN FOREST OCCURRING WITHIN THE LIMITS OF A FOREST CONSERVATION EASEMENT WILL BE PROTECTED BY THE EASEMENT RESTRICTIONS BUT HAVE NOT BEEN CREDITED TOWARD THE PROJECTS FCA

10. THE FOREST CONSERVATION WATERSHED FOR THIS PROJECT IS THE LITTLE PATUXENT RIVER (UPPER) #2131105A.

11. THERE ARE NO RARE, THREATENED OR ENDANGERED SPECIES LOCATED ON THIS SITE. THERE ARE NO SPECIMEN OR CHAMPION TREES LOCATED ON THIS SITE. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO HISTORIC STRUCTURES

12. THE PROTECTIVE SIGNAGE SHALL STAY ON-SITE IN PERPETUITY.

OFFSITE FCE NOTES: Fairways at Turf Valley, Phase I

Note the 1.12 acre reforestation obligation for Fairways at Turf Valley, Phase II will be met in FCE #9. This obligation will be met by 0.71 acres of reforestation and 0.82 acres of offsite retention.

Forest Conservation Summary Table

Parcel 401, Villages at Turf Valley, Phase 2

toward obligation

0.28

0.40

0.395

4.48

Forest Conservation Summary Table

Fairways at Turf Valley, Phases 2 and 3

Retention credited

toward obligation

0.87

Retention

1.54

0.26

0.79

6.93

Retention

1.74

Onsite credit a

Offsite credit al

Offsite credit at

2:1

*All areas are in acres

All areas are in acres

Easement #

TOTALS

Easement #

.....

-----. Retention credited | Non-credited

retention

0.34

retention

0.21

Priority | Total Easement

Area

0.23

0.26

2.52

0.82

0.80

0.23

0.79

7.27

Total Easement

Area

2.66

Areas

0.10

0

0.24

2.35

Priority

Areas

0.84

Planting

0

Planting.

0.71

Fairways at Turf Valley, Phase III

The 0.22 acre reforestation obligation for Fairways at Turf Valley, Phase III will be met by retaining 0.44 acres of offsite retention in FCE #9.

FCE #9 has 0.48 acres of retention (0.24 acres of offsite retention credit) that is not being utilized by Fairways at Turf Valley II and III.

PLANTING SCHEDULE

FCE # 9 - 0.71 acres Planting Units Required: 497 Planting Units Provided: 500

Qty	Species	Size	Spacing	Total FCA Units
50	Acer rubrum - Red maple	2-3' whip	11' o.c.	
15	Diospyros virginiana - Persimmon **	2-3' whip	11' o.c.	
50	Liriodendron tulipifera - Tulip poplar **	2-3' whip	11' o.c.	
15	Nyssa sylvatica - Black gum	2-3' whip	11' o.c.	
25	Platanus occidentalis - Sycamore	2-3' whip	11' o.c.	
- 50	Prunus serotina - Black cherry **	2-3' whip	11' o.c.	
20	Quercus alba - White oak	2-3' whip	11' o.c.	
10	Ulmus rubra - Slippery Elm	2-3' whip	11' o.c.	
15	Viburnum prunifolium - Blackhaw **	2-3' whip	11' o.c.	
250	Total whip planting	s x 2 units /tree =	FCA unit credit	500
		Total U	Jnit Credit	500

Planting Notes:

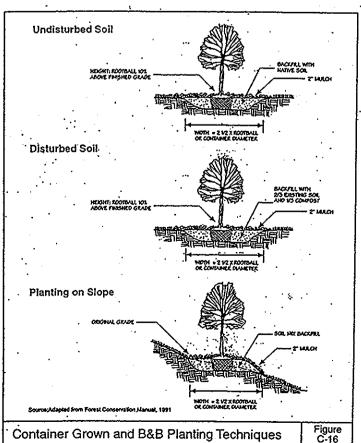
Planting density based on 700 planting units per acre. 2" caliper trees = 7 planting units, 1" caliper trees = 3.5 planting units, whips with shelter = 2 planting units.

** - These species should not be planted within the wetland limits.

1" caliper trees should be staggered along the outer perimeter of the planting area to serve as demarcation of the boundary. The trees should be no closer than 15 foot spacing. Planting shall be made in a curvilinear fashion along contour. The planting should avoid a grid appearance but should be spaced to facilitate maintenance

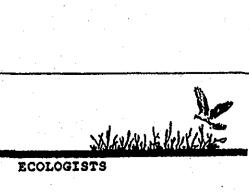
All whips are required to be installed with tree shelters per Howard County FCA

Multiflora rose/heavy brush removal/control may be required prior to installation of



Eco-Science Professionals, Inc. CONSULTING

P.O. Box 5006 Glen Arm, ND 21057 (410) 592-6752



MD DNR Qualified Professional
USACOE Wetterns Delineator
Pertification HAWDCP33MD0610044B2

OWNER/DEVELOPER

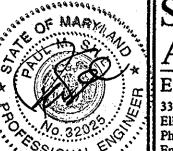
MANGIONE ENTERPRISES OF TURF VALLEY, LP 1205 YORK ROAD, PENTHOUSE **LUTHERVILLE, MARYLAND 21093** 410.825.8400

FOREST CONSERVATION PLAN - OFFSITE FCE

FAIRWAYS AT TURF VALLEY PHASE II LOTS 48-80, OPEN SPACE LOTS 81-84, BULK PARCEL E

POD 'E-1' SECTION IV : RESIDENTIAL PHASE IV E A RESUBDIVISION OF FAIRWAYS AT TURF VALLEY PHASE 1 NON-BUILDABLE BULK PARCELS A, B, & C TAX MAP 16 GRID 16 2ND ELECTION DISTRICT

OF MARY



Sill · Adcock & Associates · LLC

Engineers · Surveyors · Planners 300 North Ridge Road, Suite 160 Ellicott City, Maryland 21043 Phone: 443.325.7682 Fax: 443.325.7685

Email: info@saaland.com

February 2, 2009 PROJECT#: _____06-025 SHEET#: 8 of 9

PART OF PARCEL 706

HOWARD COUNTY, MARYLAND

DESIGN BY:

