SHEET INDEX ' SHEET NO. DESCRIPTION 1 TITLE SHEET 2 SITE MAP ENVIRONMENTAL CONCEPT PLAN AND PRELIMINARY SEDIMENT AND EROSION CONTROL PLAN FINIRONMENTAL CONCEPT PLAN AND PRELIMINARY SEDIMENT AND EROSION CONTROL PLAN ENVIRONMENTAL CONCEPT PLAN AND PRELIMINARY SEDIMENT AND EROSION CONTROL PLAN

ENVIRONMENTAL CONCEPT PLAN

SCHULTE PROPERTY

ZONED: RC-DEO

FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TAX MAP No. 3 GRID No. 21 PARCEL No. 17 TAX MAP No. 8 GRIDS No. 2 & 3 PARCELS No. 8 & 17

GENERAL NOTES

- SUBJECT PROPERTY ZONED RC-DEO PER 10/06/2013 COMPREHENSIVE ZONING PLAN COORDINATES BASED ON NAD '83, MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NOS:
- CONTROL STATION NO. 08AA NORTH 609,215.0191 FEET EAST 1,299,547.5412 FEET CONTROL STATION NO. 08BA NORTH 609,098.5466 FEET
- EAST 1,301,409.1044 FEET 3. BOUNDARY INFORMATION IS BASED ON A SURVEY PERFORMED ON OR ABOUT APRIL 4, 2013 BY FISHER,
- 4. TOPOGRAPHY INFORMATION SHOWN IS TAKEN FROM HARFORD AERIAL CONTOUR MAPPING FLOWN ON JANUARY, 2006 AND SUPPLEMENTED WITH A FIELD RUN TOPOGRAPHIC SURVEY PERFORMED ON OR ABOUT JULY 26, 2013 BY FISHER, COLLINS & CARTER, INC. . EXISTING USE: RESIDENTIAL
- PROPOSED USE: RESIDENTIAL 7. STORM WATER MANAGEMENT IS IN ACCORDANCE WITH THE M.D.E. STORM WATER DESIGN MANUAL, VOLUMES I & II. REVISED 2009. WE ARE PROVIDING STORM WATER MANAGEMENT BY THE USE OF 6 AREAS OF (N-1) ROOFTOP DISCONNECTION CREDIT, 35 AREAS OF (N-2) NON-ROOFTOP DISCONNECTION CREDIT, 8 AREAS OF
- (M-5) DRYWELLS: 14 (M-6) MICRO-BIORETENTION FACILITIES, 8 (M-8) GRASS SWALES, AND 7 (F-6) BIO-RETENTION FACILITIES TO MEET AND EXCEED THE REQUIRED ESD VOLUME. 8. THIS PROPERTY IS NOT LOCATED WITHIN THE METROPOLITAN DISTRICT. PRIVATE WELL AND SEPTIC WILL BE
- UTILIZED FOR THIS PROJECT. 9. LANDSCAPING WILL BE PROVIDED AT THE PRELIMINARY EQUIVALENT SKETCH PLAN AND FINAL PLAN STAGE OF
- 10. FOREST CONSERVATION WILL BE ADDRESSED AT THE PRELIMINARY EQUIVALENT SKETCH PLAN AND FINAL PLAN STAGE OF THIS PROJECT THROUGH THE USE OF ON-SITE RETENTION AND AFFORESTATION. ADDITIONAL OFF-SITE RETENTION OR FORESTATION WILL ALSO BE PROVIDED TO HELP MEET THE FULL OBLIGATION. 11. REVIEW OF THIS PROJECT FOR COMPLIANCE WITH THE HOWARD COUNTY SUBDIMISION AND LAND DEVELOPMEN
- REGULATIONS AND THE HOWARD COUNTY ZONING REGULATIONS SHALL OCCUR AT THE PRELIMINARY EQUIVALENT SKETCH PLAN AND FINAL PLAN STAGE. THEREFORE, THE APPLICANT AND CONSULTANT SHOULD EXPECT additional and more detailed comments (including those that may alter overall site design) as this PROJECT PROGRESSES. 12. REVIEW OF THIS PROJECT FOR COMPLIANCE WITH THE HOWARD COUNTY SUBDIMISION AND LAND DEVELOPMENT
- REGULATIONS AND THE HOWARD COUNTY ZONING REGULATIONS SHALL OCCUR AT THE PRELIMINARY EQUIVALENT SKETCH PLAN AND FINAL PLAN STAGES. THEREFORE, THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED COMMENTS (INCLUDING THOSE THAT MAY ALTER OVERALL SITE DESIGN) AS THIS PROJECT PROGRESSES. 13. SOIL BORING INFORMATION WILL BE PROVIDED AT THE PRELIMINARY EQUIVALENT SKETCH PLAN AND FINAL PLAN STAGES OF THIS PROJECT.
- 14. DEVELOPMENT PLANS OR RED-LINE REVISIONS. REVIEW OF THIS PROJECT FOR COMPLIANCE WITH THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE HOWARD COUNTY ZONING REGULATIONS SHALL OCCUR AT THE SUBDIVISION PLAN, SITE DEVELOPMENT PLAN, OR RED-LINE REVISION PROCESSES. THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED REVIEW COMMENTS (INCLUDING COMMENTS THAT MAY ALTER THE OVERALL SITE DESIGN) AS THE PROJECT PROGRESSES THROUGH THE PLAN
- 15. APPROVAL OF THIS ECP DOES NOT CONSTITUTE APPROVAL OF SUBSEQUENT OR ASSOCIATED SUBDIVISION OR
- 16. THE 100 YEAR FLOODPLAIN SHOWN ON THIS PLAN HAS BEEN TAKEN FROM THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBER 24004400038. 17. AN ENVIRONMENTAL STUDY DETAILING THE STREAMS, WETLANDS AND OTHER ENVIRONMENTAL FEATURES WAS CONDUCTED BY ECO-SCIENCE PROFESSIONALS, INC. AND DATED OCTOBER 2013, AND HAS BEEN PROVIDED AS
- 18. A FORMAL REQUEST TO WAIVE SECTION 16.1205.(A).(7) FOR THE REMOVAL OF THE SEVEN(7) "STATE CHAMPION TREES, 75% OF THE DIAMETER OF STATE CHAMPION TREES AND TREES 30" IN DIAMETER AND LARGER" IDENTIFIED ON THIS PLAN AS "TO BE REMOVED" WILL BE SUBMITTED AT THE TIME OF SUBMISSION OF THE

DESIGN NARRATIVE

- This report will demonstrate how the criteria set forth in the Maryland Stormwater Design Manual, Volumes I and II (effective October 2000, revised May 2009) will be satisfied on this project. The goal of creating hydrology similar to that of "Woods in Good Condition" will be accomplished though the use of the practices contained within Chapter 5 of said manual. The achievement of this goal will remove the requirement of providing Channel Protection Volume.
- This Property is zoned RC-DEO and consist of Parcels 8 & 17 located on both Tax Map 3 & Tax Map 8 of the Howard County. Maryland Tax Map Database System, Parcel 8 which is 68.6 acres in size borders Morgan Station Road and Old Frederick Road. Parcel 17 consist of three separate portions of land. One portion which is 28.0 acres in size is adjacent to the aforementioned Parcel 8 and also borders Old Frederick Road. Located to the northeast of this portion is another area of Parcel 17 that is 4.83 in size. The final piece is 36.1 acres and borders the South Branch of the Patapsco River. These three portions of Parcel 17 total 69.4 acres in size. Parcel 8 and the portion of Parcel 17 that border Old Frederick Road create the developable area where improvements have been proposed. The other portions of Parcel 17 (totaling 41.5) along with a proposed contiquous parcel that meanders through the developable area created by Parcels 8 & 17 (totaling 40.50) are planned to be in preservation by the design of this project. The total area of preservation that is currently proposed by this development is approximately 82 acres. The developable area mostly contains 'B' Soils with some 'C' soils located in the area of the wetland, where no disturbance is proposed. Several existing drainage swales travel from the south to the north and develop into two streams, which discharge into the South Branch of the Patapsco River.
- I. Natural Resource Protection: To ensure the protection of natural resources located on this site, all buffers will be honored by locating improvements away from environmentally sensitive areas. Also as outlined in the General Site Conditions, more than half of the overall area of this project is expected to be placed in preservation.
- II. Maintenance of Natural Flow Patterns: This proposed development's roads and residential lots are designed to run along the ridge lines in an effort to avoid the existing swales wetlands and streams and maintain the natural flow patterns of the project area.
- Reduction of impervious areas through better site design, alternative surfaces and Nonstructural Practices

 The design will make use of non-structural devices such as N-1 Rooftop disconnection credits, N-2 Non Rooftop disconnection credits. M-5 Drywells. M-6 Micro-Bioretention as well as F-6 Biorentention.
- IV. Integration of Erosion and Sediment Controls into Stormwater Strategy: Sediment Control devices have been placed to work in concert with the proposed drainage divides that were created when planning the Stormwater Strategy. In conditions where the a drainage area exceeds 2 acres in size the location of the proposed
- V.Implementation of ESD Planning Techniques and practices to the Maximum Extent Practicable (MEP) Several M-6 Micro Bio-retention, F-6 Bio-retention M-5 Drywell, and areas of N-1 Rooftop Disconnection Credit and N-2 Non-Rooftop Disconnection Credit have been used to treat all proposed impervious areas. The character of this type of residential development will on occasion create challenges when attempting to maintain drainage areas less than a 1/2 acre in size. Where these scenarios are encountered. F-6 Bio-Retention facilities have been provided. In all cases the full required ESD volume is
- VI. Request for Design Manual Waiver: No waivers are expected to be requested on this project relating to SWM requirements.

Bio-retention facilities will be used as sediment traps until final grading, stabilization.

	O' 2000' 4000' 80000 Scale: 1" = 2000'
70 (40)	OWARD COUNTY ONTROL STATION #088A OWARD COUNTY ONTROL STATION #088A
	#ORAM REAL STATE OF THE PROPERTY OF THE PROPER
BOLLE OR WILLEY CT.	ADC STREET MAP: MAP 9 GRID E5

<u>VICINITY MAP</u>	
5CALE: 1" = 2000'	ļ
BUILDABLE PRESERVATION PARCEL A LOT 37 NON-BUILDABLE PRESERVATION LOT 37 NON-BUILDABLE PRESERVATION LOT 112 LOT 115 LOT 16 Preservation Parcel 15 LOT 20 PRESERVATION LOT 20 PARCEL 15 LOT 36 PARCEL 16 PARCEL 16 PARCEL 16 PARCEL 17 LOT 36 PARCEL 16 PARCEL 17 LOT 36 PARCEL 16 PARCEL 16 PARCEL 16 PARCEL 17 LOT 36 PARCEL 16 PARCEL 16 PARCEL 16 PARCEL 17 LOT 36 PARCEL 16 PARCEL 17 PARCEL 16 PAR	
Non-Buildable Preservation Pagcel	
Non-Buildable Preservation Parcel	
Paircel .	
LOT LAYOUT PLAN 5CALE: 1" = 500"	
0' 500' 1000' 2000'	

Scale: 1" = 500'

	SYMBOL DESCRIPTION					
		existing storm drain line				
-	x x x	existing fence				
		BOUNDARY/RIGHT OF WAY LINE				
	<u>8.R.L</u>	BUILDING RESTRICTION LINE				
		PROPOSED CURB TRANSITION				
		PROPOSED STORM DRAIN PIPE				
		PROPOSED PERFORATED PIPE				
		PROPOSED CONCRETE				
\$		PROPOSED PAVING				
	\$	PROPOSED LIGHT				
9		EXISTING SOILS 5% AND GREATER W/ Kw > 0.35 SEE SHEET 5				
,	7	EXISTING SLOPES 15% to 24.9%				
		PROPOSED EROSION CONTROL MATTING				
		PROPOSED LO.D.				
		existing slopes 25% and greater				

LEGEND

TAG#	COMMON NAME	SCIENTIFIC NAME	DBH*	VIGOR**	NOTES
#1905	BLACK CHERRY	Prunus serotina	32"	Fair	posion ivy & oriental bittersweet
#1906	BLACK CHERRY	Prunus serotina	33"	Good	some oriental bittersweet
#1907	NORTHERN RED OAK	Quercus rubra	32"	Good	
#1908	BLACK OAK (HYBRID)	Quercus velutina	33"	Fair	some dead branches
#1909	WHITE OAK	Quercus alba	37"	Good	
#1910	NORTHERN RED OAK	Quercus rubra	31"	Fair	some dead branches
#1911	WHITE OAK	Quercus alba	31"	Good	double at 5'
#1912	CHESTNUT OAK	Quercus prinus	38.5"	Fair	some dead branches
#1913	WHITE OAK	Quercus alba	34.5"	Fair	dead branches
#1914	WHITE OAK	Quercus alba	31.5"	Good	
#1915	WHITE OAK	Quercus alba	35"	Fair	some dead branches
#1916	NORTHERN RED OAK	Quercus rubra	33"	Fair	some dead branches
#1917	RED MAPLE	Acer rubrum	41"	Fair	some dead branches
#1918	RED MAPLE	Acer rubrum	33"	Fair	some dead branches
	TULIP POPLAR	Liriodendron tulipifera	30.5		Some dead branches
#1919	WHITE OAK	Quercus alba	30.5	Good	some dead branches
#1920	CHESTNUT OAK			Fair	<u> </u>
#1921		Quercus prinus	36.5"	<u>Fair</u>	some dead branches
#1922	BLACK OAK	Quercus velutina	30.5"	Fair	dead branches, posion ivy
#1923	NORTHERN RED OAK	Quercus rubra	32"	Fair	some dead branches
#1924	NORTHERN RED OAK	Quercus rubra	37"	Bad	fungus, dead branches, <5 years to li
#1925	RED MAPLE	Acer rubrum	43.5"	Fair	some dead branches
#1926	WHITE OAK	Quercus alba	35"	Fair	some dead branches
#1927	RED MAPLE	Acer rubrum	39"	Good	<u>.</u>
#1928	BLACK GUM	Nyssa sylvatica	34"	Fair	over spray
#1929	WHITE PINE	Pinus strobus	44"	Fair	e e e e e e e e e e e e e e e e e e e
#1930	WHITE PINE	Pinus strobus	36"	Fair	
#1931	E. RED CEDAR	Juniperus virginiana	31.5"	Good	
#1932	RED MAPLE	Acer rubrum	32.5"	Fair	dead branch
#1933	WHITE PINE	Pinus strobus	31.5"	Good	
#1933	WHITE PINE	Pinus strobus	30"	Poor	trunk rot
#1934	E. RED CEDAR	Juniperus virginiana	31.5"	Fair	Guin 10t
					dagagad
#1936	SIBERIA ELM	Ulmus pumila	31.5"	Poor	deceased trunk rot
#1937	WHITE PINE	Pinus strobus	31"	Poor	trunk rot
#1938	WHITE OAK	Quercus alba	31"	Good	<u> </u>
#1939	BLACK OAK	Quercus velutina	32"	Fair	trunk rot
#1940	NORTHERN RED OAK	Quercus rubra	31"	Good	
#1941	NORTHERN RED OAK	Quercus rubra	31"	Good	
#1942	NORTHERN RED OAK	Quercus rubra	35"	Good	
#1943	WHITE OAK	Quercus alba	33"	Good	, '
#1944	TULIP POPLAR	Liriodendron tulipifera	35"	Good	
#1945	SOUTHERN RED OAK	Quercus falcata	41"	Good	
#1973	BLACK CHERRY	Prunus serotina	32"	Good	double at 5'
#2401	TULIP POPLAR	Lirlodendron tulipifera	34.5"	Fair	Dead Branch 1/3 Triple
#2402	TULIP POPLAR	Liriodendron tulipifera	30"	Fair	Dead Branches
#2403	TULIP POPLAR	Liriodendron tulipifera	36"	Good	Double at 2'
#2403		Liriodendron tulipifera	41.5"		
	TULIP POPLAR			Good	10100
#2405	TULIP POPLAR	Liriodendron tulipifera	35"	Good	1/2 of Double
#2406	TULIP POPLAR	Liriodendron tulipifera	32"	Good	1/2 of Double
#0407	WHITE OAK	Quercus alba	36"	r	Vines, fence through tree, split at 6', do
#2407	WHITE OAK	Quercus alba	35	Fair	branch
#2408	TULIP POPLAR	Liriodendron tulipifera	33"	Good	
#2409	WHITE OAK	Quercus alba	39.5"	Fair	Dead Branch, Fence through Tree
#2410	WHITE OAK	Quercus alba	38"	Fair	Dead Branch, Vines
#2411	TULIP POPLAR	Liriodendron tulipifera	30.5"	Good	Ocaa Dianoi, Tines
#2412	TULIP POPLAR	Liriodendron tulipifera	32"	Good	1/2 of Double
		Quercus alba	38"	Fair	Dead Branch
#2413	WHITE OAK	Quercus alba			Dead Branch
#2414	WHITE OAK		36"	Good	
#2415	NORTHERN RED OAK	Quercus rubra	31.5	i Good	Lean, Dead Branch
#2416	TULIP POPLAR	first and a section of the section o	1		
#2417	ומחס מו אוד	Liriodendron tulipifera	35"	Good	1/2 of Double
#2418	TULIP POPLAR	Liriodendron tulipifera	40"	Good Good	1/2 of Double
	TULIP POPLAR	Liriodendron tulipifera Liriodendron tulipifera	40" 44"	Good	
#2419	TULIP POPLAR TULIP POPLAR	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera	40" 44" 32"	Good Good Good Good	1/2 of Double Dead Branch
#2419 #2420	TULIP POPLAR TULIP POPLAR SYCAMORE	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis	40" 44" 32" 32"	Good Good Good Good Good	1/2 of Double Dead Branch Lean
#2419	TULIP POPLAR TULIP POPLAR	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera	40" 44" 32" 32" 39"	Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch
#2419 #2420	TULIP POPLAR TULIP POPLAR SYCAMORE	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis	40" 44" 32" 32"	Good Good Good Good Good	1/2 of Double Dead Branch Lean
#2419 #2420 #2421 #2422	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba	40" 44" 32" 32" 39" 39"	Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines
#2419 #2420 #2421 #2422 #2423	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera	40" 44" 32" 32" 39" 39" 36.5"	Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch
#2419 #2420 #2421 #2422 #2423 #2424	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum	40" 44" 32" 32" 39" 39" 36.5" 31.5"	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch
#2419 #2420 #2421 #2422 #2423 #2424 #2425	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus rubra	40" 44" 32" 32" 39" 39" 36.5" 31.5" 41.5	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk
#2419 #2420 #2421 #2422 #2423 #2424 #2425 #2426	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK PIN OAK	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus palustris	40" 44" 32" 32" 39" 39" 36.5" 31.5" 41.5	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk Dead Branch
#2419 #2420 #2421 #2422 #2423 #2424 #2425 #2426 #2427	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK PIN OAK TULIP POPLAR	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus palustris Liriodendron tulipifera	40" 44" 32" 32" 39" 39" 36.5" 41.5" 41.5 36" 31.5"	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk
#2419 #2420 #2421 #2422 #2423 #2424 #2425 #2426 #2427 #2428	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK PIN OAK TULIP POPLAR	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus rubra Quercus palustris Liriodendron tulipifera Acer rubrum	40" 44" 32" 32" 39" 36.5" 31.5" 41.5 36" 31.5" 38"	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk Dead Branch Split at 15'
#2419 #2420 #2421 #2422 #2423 #2424 #2425 #2426 #2427 #2428 #2429	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK PIN OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus rubra Quercus palustris Liriodendron tulipifera Acer rubrum Quercus palustris Liriodendron tulipifera Acer rubrum Quercus rubra	40" 44" 32" 32" 39" 36.5" 31.5" 41.5 36" 31.5" 38" 40.5"	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk Dead Branch Split at 15'
#2419 #2420 #2421 #2422 #2423 #2424 #2425 #2426 #2427 #2428 #2429 #2430	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK PIN OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK SHINGLE OAK	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus rubra Quercus palustris Liriodendron tulipifera Acer rubrum Quercus palustris Liriodendron tulipifera Acer rubrum Quercus rubra Quercus rubra Quercus imbricaria	40" 44" 32" 32" 39" 39" 36.5" 31.5" 41.5 36" 31.5" 38" 40.5" 30"	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk Dead Branch Split at 15'
#2419 #2420 #2421 #2422 #2423 #2424 #2425 #2426 #2427 #2428 #2429 #2430 #2431	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK PIN OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK SHINGLE OAK RED MAPLE	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus rubra Quercus palustris Liriodendron tulipifera Acer rubrum Quercus palustris Liriodendron tulipifera Acer rubrum Quercus rubra Quercus imbricaria Acer rubrum	40" 44" 32" 32" 39" 39" 36.5" 31.5" 41.5 36" 31.5" 38" 40.5" 30" 33"	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk Dead Branch Split at 15' Dead Branch Dead Branch Dead Branch
#2419 #2420 #2421 #2422 #2423 #2424 #2425 #2426 #2427 #2428 #2429 #2430 #2431 #2432	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK PIN OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK SHINGLE OAK RED MAPLE RED MAPLE RED MAPLE	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus rubra Quercus palustris Liriodendron tulipifera Acer rubrum Quercus rubra Quercus rubra Quercus rubra Quercus imbricaria Acer rubrum Acer rubrum	40" 44" 32" 32" 39" 36.5" 31.5" 41.5 36" 31.5" 38" 40.5" 30" 33" 36.5	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk Dead Branch Split at 15' Dead Branch
#2419 #2420 #2421 #2422 #2423 #2424 #2425 #2426 #2427 #2428 #2429 #2430 #2431 #2432 #2433	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK PIN OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK SHINGLE OAK RED MAPLE RED MAPLE RED MAPLE RED MAPLE RED MAPLE	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus rubra Quercus palustris Liriodendron tulipifera Acer rubrum Quercus rubra Quercus rubra Quercus rubra Acer rubrum Quercus imbricaria Acer rubrum Acer rubrum Acer rubrum	40" 44" 32" 32" 39" 39" 36.5" 31.5" 41.5 36" 31.5" 38" 40.5" 30" 33" 36.5	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk Dead Branch Split at 15' Dead Branch
#2419 #2420 #2421 #2422 #2423 #2424 #2425 #2426 #2427 #2428 #2429 #2430 #2431 #2432 #2433	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK PIN OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK SHINGLE OAK RED MAPLE RED MAPLE RED MAPLE RED MAPLE RED MAPLE RED MAPLE	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus rubra Quercus palustris Liriodendron tulipifera Acer rubrum Quercus rubra Quercus rubra Quercus rubra Quercus rubra Quercus rubra Quercus imbricaria Acer rubrum Acer rubrum Acer rubrum Acer rubrum	40" 44" 32" 32" 39" 39" 36.5" 31.5" 41.5 36" 31.5" 38" 40.5" 30" 33" 36.5 30"	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk Dead Branch Split at 15' Dead Branch Hole in Trunk
#2419 #2420 #2421 #2422 #2423 #2424 #2425 #2426 #2427 #2428 #2429 #2430 #2431 #2432 #2433 #2434	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK PIN OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK SHINGLE OAK RED MAPLE	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus rubra Quercus palustris Liriodendron tulipifera Acer rubrum Quercus rubra Quercus rubra Quercus imbricaria Acer rubrum	40" 44" 32" 32" 39" 39" 36.5" 31.5" 41.5 36" 31.5" 38" 40.5" 30" 33" 36.5 30" 33" 36.5	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk Dead Branch Split at 15' Dead Branch Lean
#2419 #2420 #2421 #2422 #2423 #2424 #2425 #2426 #2427 #2428 #2429 #2430 #2431 #2432 #2433 #2434	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK PIN OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK SHINGLE OAK RED MAPLE RED MAPLE RED MAPLE RED MAPLE RED MAPLE RED MAPLE	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus rubra Quercus palustris Liriodendron tulipifera Acer rubrum Quercus rubra Quercus imbricaria Acer rubrum Quercus palustris Quercus palustris Quercus palustris	40" 44" 32" 32" 39" 39" 36.5" 31.5" 41.5 36" 31.5" 38" 40.5" 30" 33" 36.5 30" 33" 36.5 30" 33"	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk Dead Branch Split at 15' Dead Branch Hole in Trunk
#2419 #2420 #2421 #2422 #2423 #2424 #2425 #2426 #2427 #2428 #2429 #2430 #2431 #2432 #2433 #2434 #2434	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK PIN OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK SHINGLE OAK RED MAPLE	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus rubra Quercus palustris Liriodendron tulipifera Acer rubrum Quercus rubra Quercus rubra Quercus imbricaria Acer rubrum	40" 44" 32" 32" 39" 39" 36.5" 31.5" 41.5 36" 31.5" 38" 40.5" 30" 33" 36.5 30" 33" 36.5	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk Dead Branch Split at 15' Dead Branch Lean
#2419 #2420 #2421 #2422 #2423 #2424 #2425 #2426 #2427 #2428 #2429 #2430 #2431 #2432 #2433 #2434 #2435 #2436 #2437	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK PIN OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK SHINGLE OAK RED MAPLE	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus rubra Quercus palustris Liriodendron tulipifera Acer rubrum Quercus rubra Quercus imbricaria Acer rubrum Quercus palustris Quercus palustris Quercus palustris	40" 44" 32" 32" 39" 39" 36.5" 31.5" 41.5 36" 31.5" 38" 40.5" 30" 33" 36.5 30" 33" 36.5 30" 33"	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk Dead Branch Split at 15' Dead Branch Lean
#2419 #2420 #2421 #2422 #2423 #2424 #2425 #2426 #2427 #2428 #2429 #2430 #2431 #2432 #2433 #2434 #2435 #2435 #2436 #2437	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK PIN OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK SHINGLE OAK RED MAPLE	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus rubra Quercus palustris Liriodendron tulipifera Acer rubrum Quercus rubra Quercus imbricaria Acer rubrum Quercus palustris Quercus palustris Quercus palustris Quercus rubra Quercus rubra	40" 44" 32" 32" 39" 39" 36.5" 31.5" 41.5 36" 31.5" 38" 40.5" 30" 33" 36.5 30" 33" 36.5 30" 33" 36.7 39"	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk Dead Branch Split at 15' Dead Branch Dead Branch
#2419 #2420 #2421 #2422 #2423 #2424 #2425 #2426 #2427 #2428 #2429 #2430 #2431 #2432 #2433 #2434 #2435 #2435 #2436 #2437 #2438	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK PIN OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK SHINGLE OAK RED MAPLE WHITE OAK WHITE OAK	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus palustris Liriodendron tulipifera Acer rubrum Quercus palustris Liriodendron tulipifera Acer rubrum Quercus rubra Quercus imbricaria Acer rubrum Acer rubrum Acer rubrum Acer rubrum Quercus palustris Quercus palustris Quercus palustris Quercus alba Quercus alba Quercus alba	40" 44" 32" 32" 39" 39" 36.5" 31.5" 41.5 36" 31.5" 38" 40.5" 30" 33" 36.5 30" 33" 36.5 30" 33" 36.7 34" 37" 39" 32"	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk Dead Branch Split at 15' Dead Branch Dead Branch
#2419 #2420 #2421 #2422 #2423 #2424 #2425 #2426 #2427 #2428 #2429 #2430 #2431 #2432 #2433 #2434 #2435 #2436 #2437 #2438 #2439 #2440	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK PIN OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK SHINGLE OAK RED MAPLE WHITE OAK WHITE OAK WHITE OAK NORTHERN RED OAK	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus palustris Liriodendron tulipifera Acer rubrum Quercus palustris Liriodendron tulipifera Acer rubrum Quercus imbricaria Acer rubrum Acer rubrum Acer rubrum Acer rubrum Quercus palustris Quercus palustris Quercus palustris Quercus alba Quercus alba Quercus alba Quercus rubra	40" 44" 32" 32" 39" 39" 36.5" 31.5" 41.5 36" 31.5" 38" 40.5" 30" 33" 36.5 30" 33" 36.5 30" 33" 36.5 30" 33" 36.5 30" 33" 36.5	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk Dead Branch Split at 15' Dead Branch Split at 6'
#2419 #2420 #2421 #2422 #2423 #2424 #2425 #2426 #2427 #2428 #2429 #2430 #2431 #2432 #2433 #2434 #2435 #2436 #2437 #2438 #2439 #2440	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK PIN OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK SHINGLE OAK RED MAPLE WHITE OAK WHITE OAK NORTHERN RED OAK	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus palustris Liriodendron tulipifera Acer rubrum Quercus palustris Liriodendron tulipifera Acer rubrum Quercus rubra Quercus imbricaria Acer rubrum Acer rubrum Acer rubrum Acer rubrum Quercus palustris Quercus palustris Quercus palustris Quercus palustris Quercus alba Quercus alba Quercus rubra Quercus rubra Quercus rubra Quercus rubra Quercus rubra	40" 44" 32" 32" 39" 39" 36.5" 31.5" 41.5 36" 31.5" 38" 40.5" 30" 33" 36.5 30" 33" 36.5 30" 33" 36.5 30" 33" 36.5 30" 34" 37" 39" 32" 31.5" 43"	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk Dead Branch Split at 15' Dead Branch Split at 6'
#2419 #2420 #2421 #2422 #2423 #2424 #2425 #2426 #2427 #2428 #2429 #2430 #2431 #2432 #2433 #2434 #2435 #2436 #2437 #2438 #2439 #2440 #2441 #2442	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK PIN OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK SHINGLE OAK RED MAPLE WHITE OAK WHITE OAK NORTHERN RED OAK WHITE OAK NORTHERN RED OAK WHITE OAK NORTHERN RED OAK NORTHERN RED OAK WHITE OAK NORTHERN RED OAK NORTHERN RED OAK NORTHERN RED OAK NORTHERN RED OAK	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus palustris Liriodendron tulipifera Acer rubrum Quercus palustris Liriodendron tulipifera Acer rubrum Quercus imbricaria Acer rubrum Acer rubrum Acer rubrum Acer rubrum Quercus palustris Quercus palustris Quercus palustris Quercus alba Quercus alba Quercus rubra	40" 44" 32" 32" 39" 39" 36.5" 31.5" 41.5 36" 31.5" 38" 40.5" 30" 33" 36.5 30" 33" 36.5 30" 33" 36.5 30" 31.5" 31.5" 31.5" 31.5" 31.5" 31.5"	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk Dead Branch Split at 15' Dead Branch Split at 6' Split, hollow growth on trunk Dead Branch
#2419 #2420 #2421 #2422 #2423 #2424 #2425 #2426 #2427 #2428 #2429 #2430 #2431 #2432 #2433 #2434 #2435 #2436 #2437 #2438 #2439 #2440 #2441 #2442	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK PIN OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK SHINGLE OAK RED MAPLE RED MAPL	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus palustris Liriodendron tulipifera Acer rubrum Quercus palustris Liriodendron tulipifera Acer rubrum Quercus rubra Quercus imbricaria Acer rubrum Acer rubrum Acer rubrum Acer rubrum Quercus palustris Quercus palustris Quercus alba Quercus alba Quercus rubra Quercus rubra Quercus rubra Quercus alba Quercus rubra Quercus rubra Quercus rubra Quercus rubra Quercus alba Quercus alba Quercus alba Quercus alba	40" 44" 32" 32" 39" 39" 36.5" 31.5" 41.5 36" 31.5" 38" 40.5" 30" 33" 36.5 30" 33" 36.5 30" 33" 36.5 30" 33" 36.5 30" 33" 36" 34" 37" 39" 32" 31.5" 43" 30"	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk Dead Branch Split at 15' Dead Branch Split at 6' Split at 6'
#2419 #2420 #2421 #2422 #2423 #2424 #2425 #2426 #2427 #2428 #2429 #2430 #2431 #2432 #2433 #2434 #2435 #2436 #2437 #2438 #2439 #2440 #2441 #2442 #2443 #2444	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK PIN OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK SHINGLE OAK RED MAPLE WHITE OAK WHITE OAK NORTHERN RED OAK WHITE OAK NORTHERN RED OAK WHITE OAK NORTHERN RED OAK CHESTNUT OAK	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus palustris Liriodendron tulipifera Acer rubrum Quercus palustris Liriodendron tulipifera Acer rubrum Quercus imbricaria Acer rubrum Acer rubrum Acer rubrum Acer rubrum Quercus palustris Quercus palustris Quercus alba Quercus alba Quercus rubra Quercus rubra Quercus rubra Quercus alba	40" 44" 32" 32" 39" 39" 36.5" 31.5" 41.5 36" 31.5" 38" 40.5" 30" 33" 36.5 30" 33" 36.5 30" 33" 36.5 30" 33" 36" 34" 37" 39" 32" 31.5" 43" 30" 36" 35"	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk Dead Branch Split at 15' Dead Branch Split at 6' Split, hollow growth on trunk Dead Branch
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#2419 #2420 #2421 #2422 #2423 #2424 #2425 #2426 #2427 #2428 #2429 #2430 #2431 #2432 #2433 #2434 #2435 #2436 #2437 #2438 #2439 #2440 #2441 #2442 #2443 #2444	TULIP POPLAR TULIP POPLAR SYCAMORE TULIP POPLAR WHITE OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK PIN OAK TULIP POPLAR RED MAPLE NORTHERN RED OAK SHINGLE OAK RED MAPLE WHITE OAK WHITE OAK NORTHERN RED OAK WHITE OAK NORTHERN RED OAK WHITE OAK NORTHERN RED OAK CHESTNUT OAK	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Plataus occidentalis Liriodendron tulipifera Quercus alba Liriodendron tulipifera Acer rubrum Quercus palustris Liriodendron tulipifera Acer rubrum Quercus palustris Liriodendron tulipifera Acer rubrum Quercus imbricaria Acer rubrum Acer rubrum Acer rubrum Acer rubrum Quercus palustris Quercus palustris Quercus alba Quercus alba Quercus rubra Quercus rubra Quercus rubra Quercus alba	40" 44" 32" 32" 39" 39" 36.5" 31.5" 41.5 36" 31.5" 38" 40.5" 30" 33" 36.5 30" 33" 36.5 30" 33" 36.5 30" 33" 36" 34" 37" 39" 32" 31.5" 43" 30" 36" 35"	Good Good Good Good Good Good Good Good	1/2 of Double Dead Branch Lean Dead Branch Vines Dead Branch Growth of Trunk Dead Branch Split at 15' Dead Branch Split at 6' Split at 6'

BENCHMARK INFORMATION

N 609,215.0191

N 609,098.5466

Schulte Specimen Tree List

SCIENTIFIC NAME DBH* VIGOR**

E 1,301,409.1044

E 1,299,547.5412

HOWARD COUNTY CONTROL STATION #08AA - HORIZONTAL - NAD '83)

HOWARD COUNTY CONTROL STATION #08BA - HORIZONTAL - (NAD '83)

ELEVATION = 608.586 - VERTICAL - (NAVD '88)

ELEVATION = 630.720 - VERTICAL - (NAVD '80)

FISHER, COLLINS & CARTER, INC VIL ENGINEERING CONSULTANTS & LAND SURVEYOR inial square office park – 10272 baltimore national pik ELLICOTT CITY, MARYLAND 21042



SITE ANALYSIS DATA CHART

A. TOTAL AREA OF THIS SUBMISSION = 138.610 ac.+.

PREVIOUS HOWARD COUNTY FILES: ECP-14-003 TOTAL AREA OF FLOODPLAIN LOCATED ON SITE: 2.21 Ac.

G. BUILDING COVERAGE OF SITE: 107,162 SQ.FT. OR 2.46 Ac.+

TOTAL AREA OF SLOPES IN EXCESS OF 25% = 3.11 Ac.

(TOTAL SITE AREA - FLOODPLAIN - STEEP SLOPES AREA)

TOTAL AREA OF WETLANDS (INCLUDING BUFFER) = 2.88 Ac*

P. AREA OF ERODIBLE SOILS = 1.3 Ac. * (WITHIN AREA OF DEVELOPMENT)

OPEN SPACE ON SITE: N/A

RECREATIONAL AREA PROVIDED: N/A

NET TRACT AREA = 133.290 Ac+

TOTAL AREA OF FOREST = 43.4 Ac. * N. TOTAL GREEN OPEN AREA = 95.21 Ac. *

O. TOTAL IMPERVIOUS AREA = 7.73 Ac. ±

B. LIMIT OF DISTURBED AREA = 1,748,280 Sqft. of 40.1 Act.
C. PRESENT ZONING DESIGNATION = RC-DEO (PER 10/06/13 COMPREHENSIVE ZONING PLAN).

PROPOSED USE: RESIDENTIAL SUBDIVISION (SINGLE FAMILY DETACHED)

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21476, EXPIRATION DATE: 7/14/15.

OWNER ESTATE OF F.J. SCHULTE 2215 DUVALL ROAD WOODBINE, MD 21797 410-977-1327

DEVELOPER LAND DESIGN & DEVELOPMENT 5300 DORSEY HALL DRIVE SUITE 102 ELLICOTT CITY, MARYLAND 21042 (410)-977-0422

7/15/14 7.16.14 PARCEL NOS. 8 & 17 SHULTE PROPERTY TAX/ZONE ELEC. DIST. .352 ,F.176 2,3 & 21 | RC-DEO FOURTH

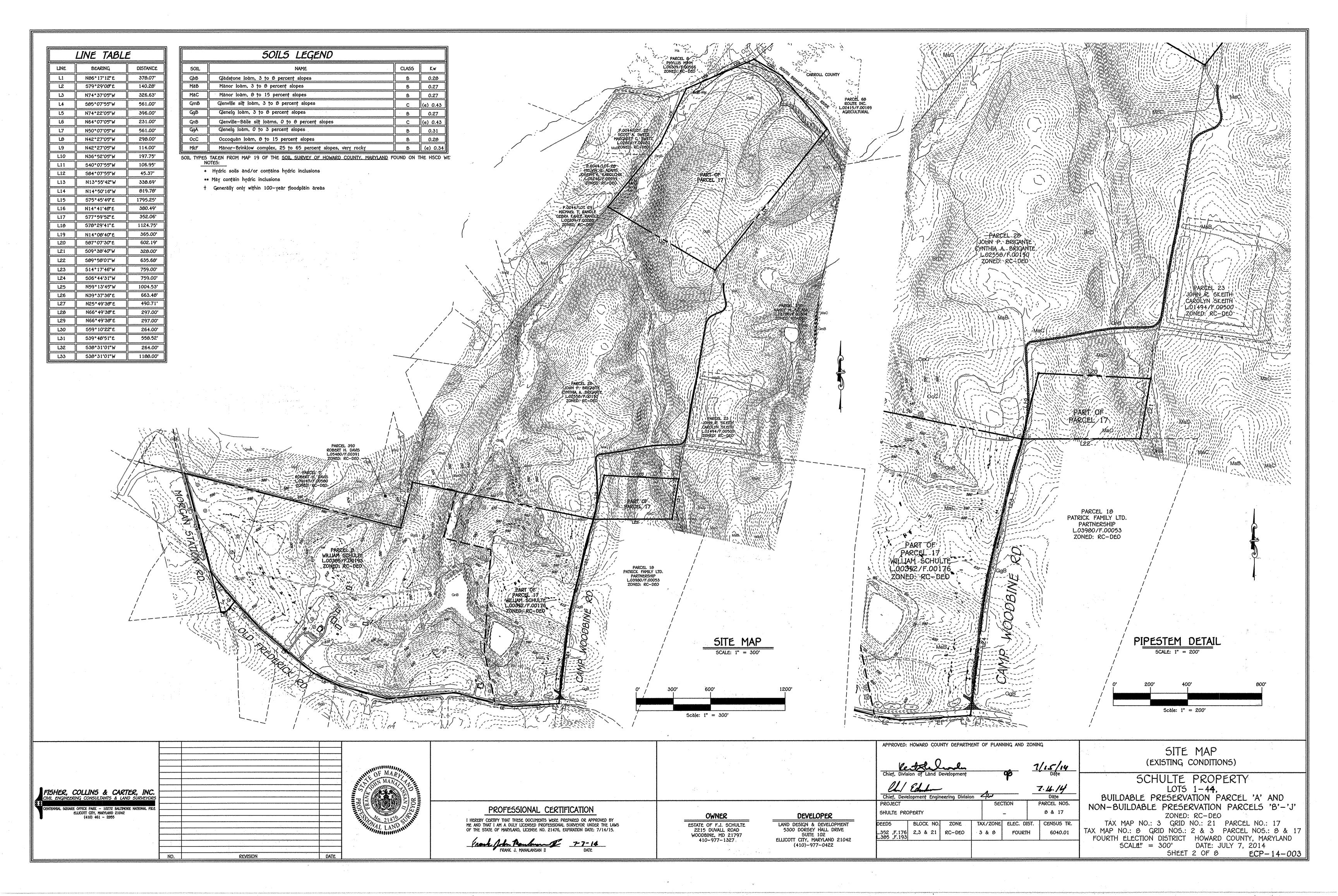
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

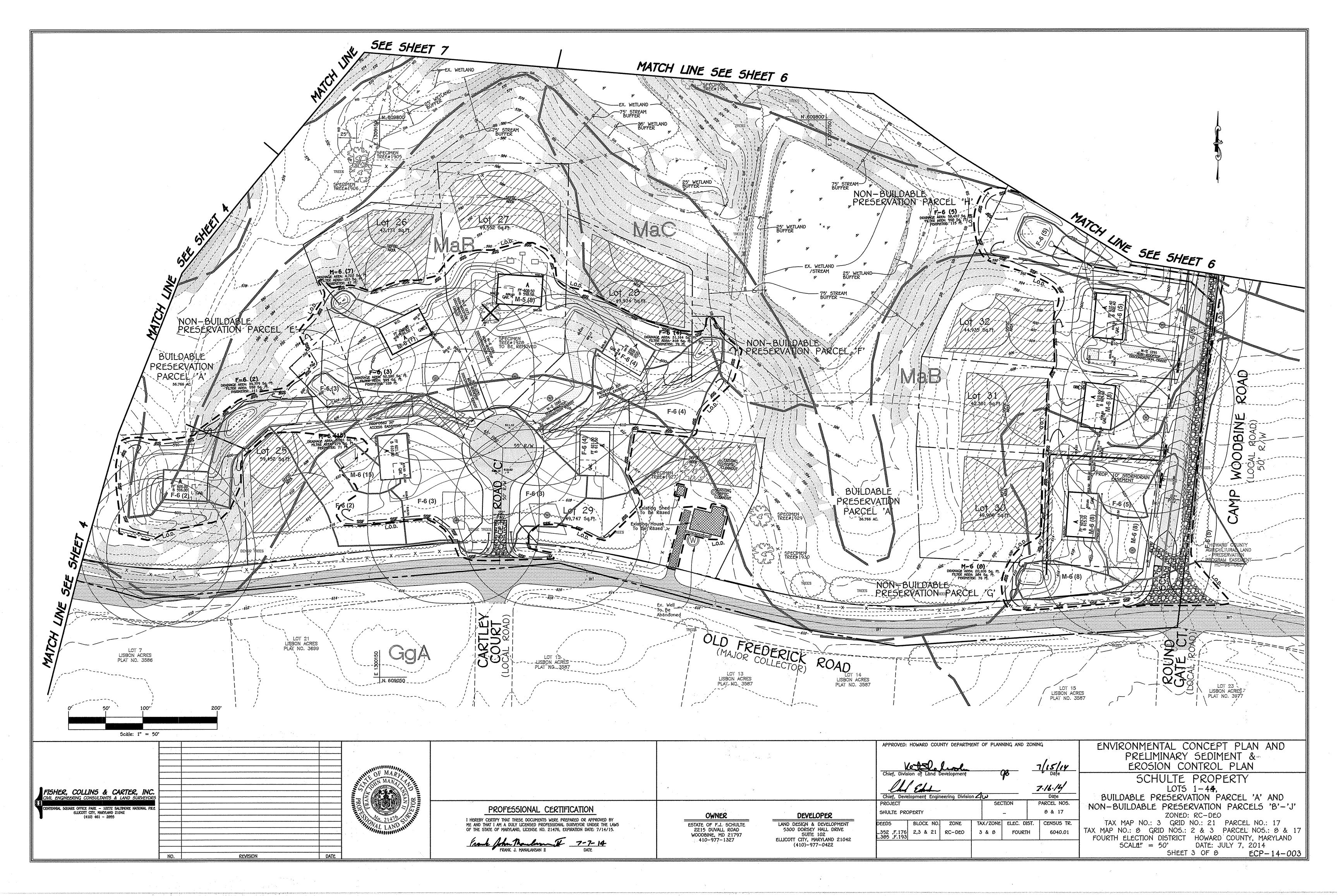
TITLE SHEET

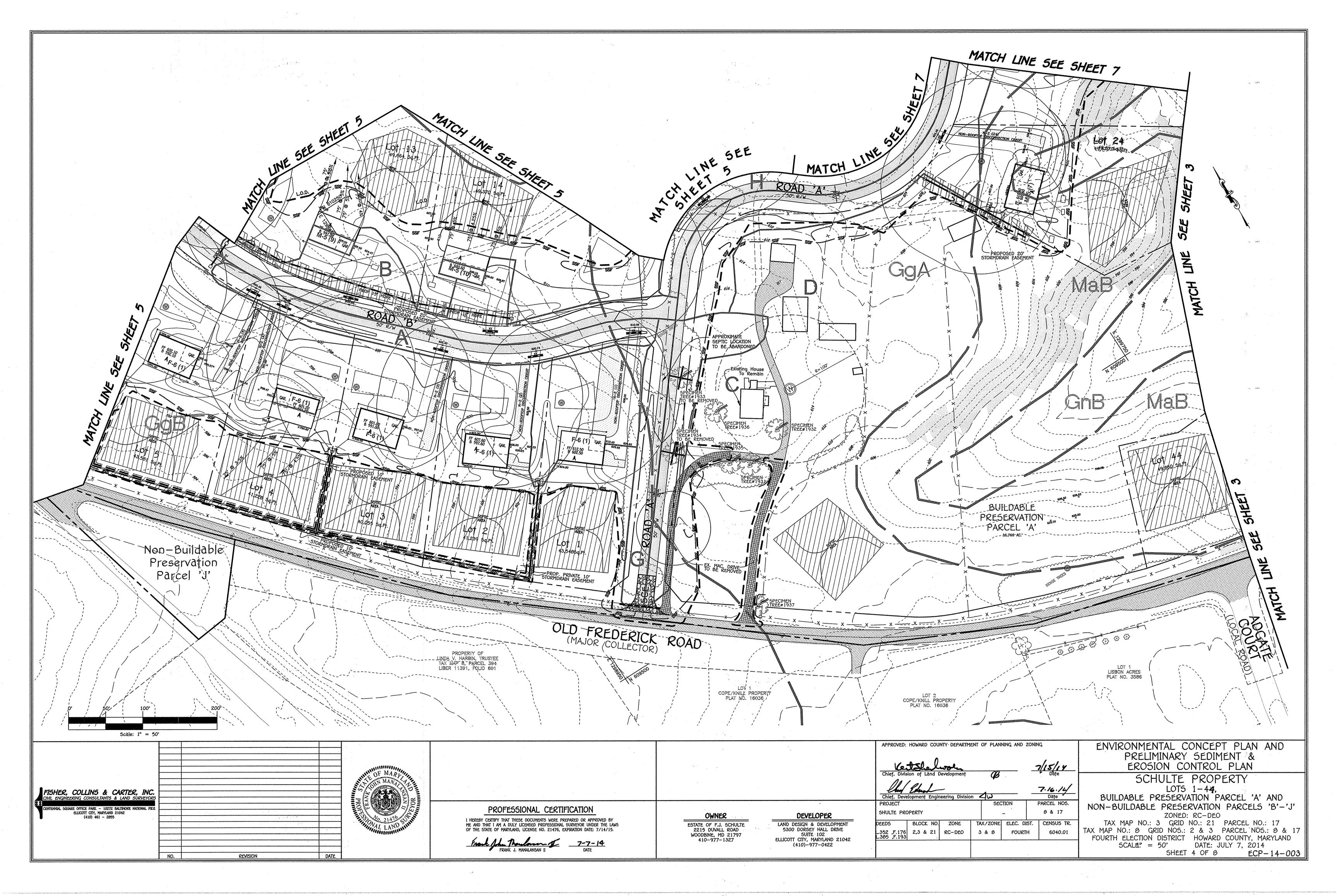
SCHULTE PROPERTY LOTS 1-44,

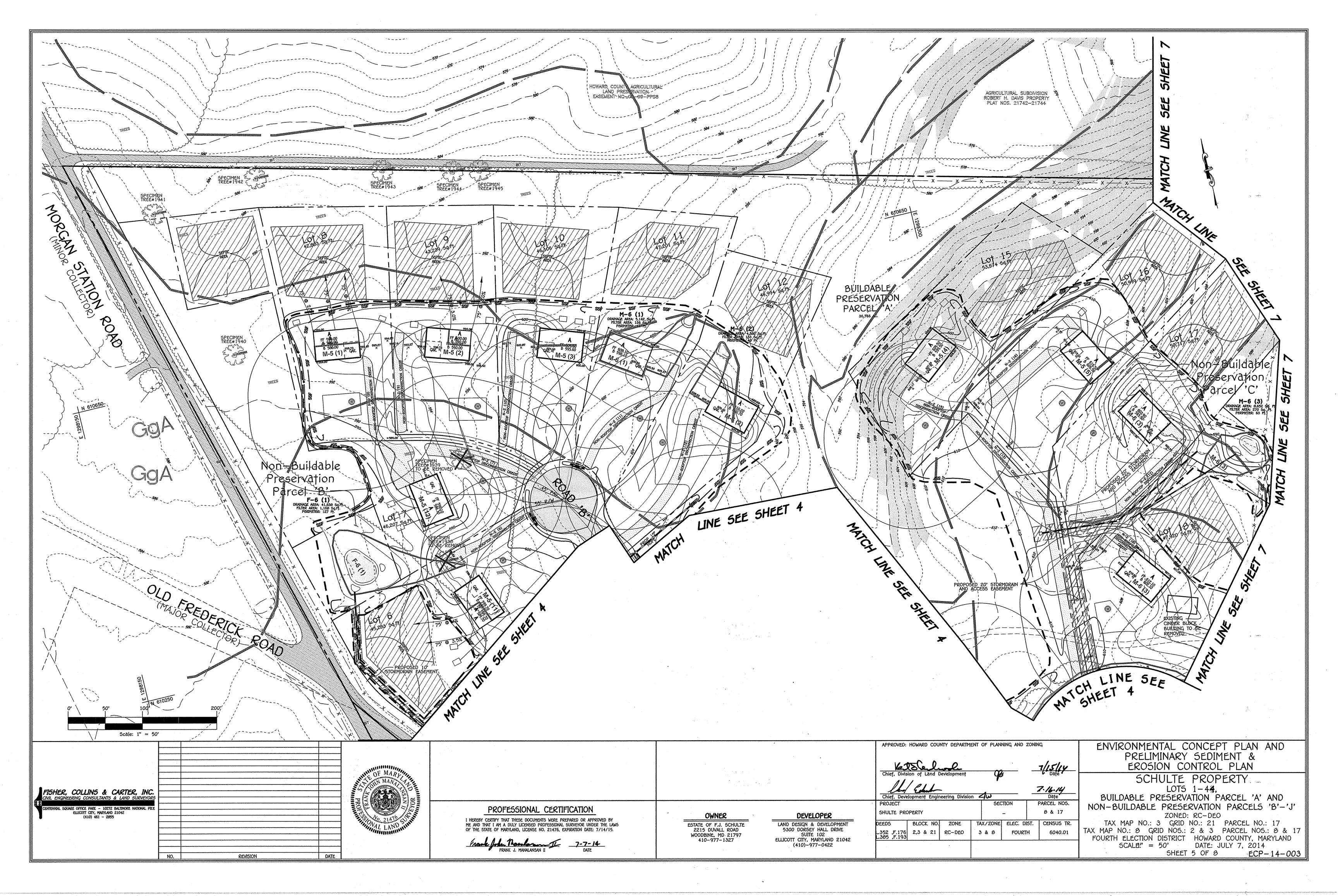
BUILDABLE PRESERVATION PARCEL 'A' AND NON-BUILDABLE PRESERVATION PARCELS 'B'-'J' ZONED: RC-DEO

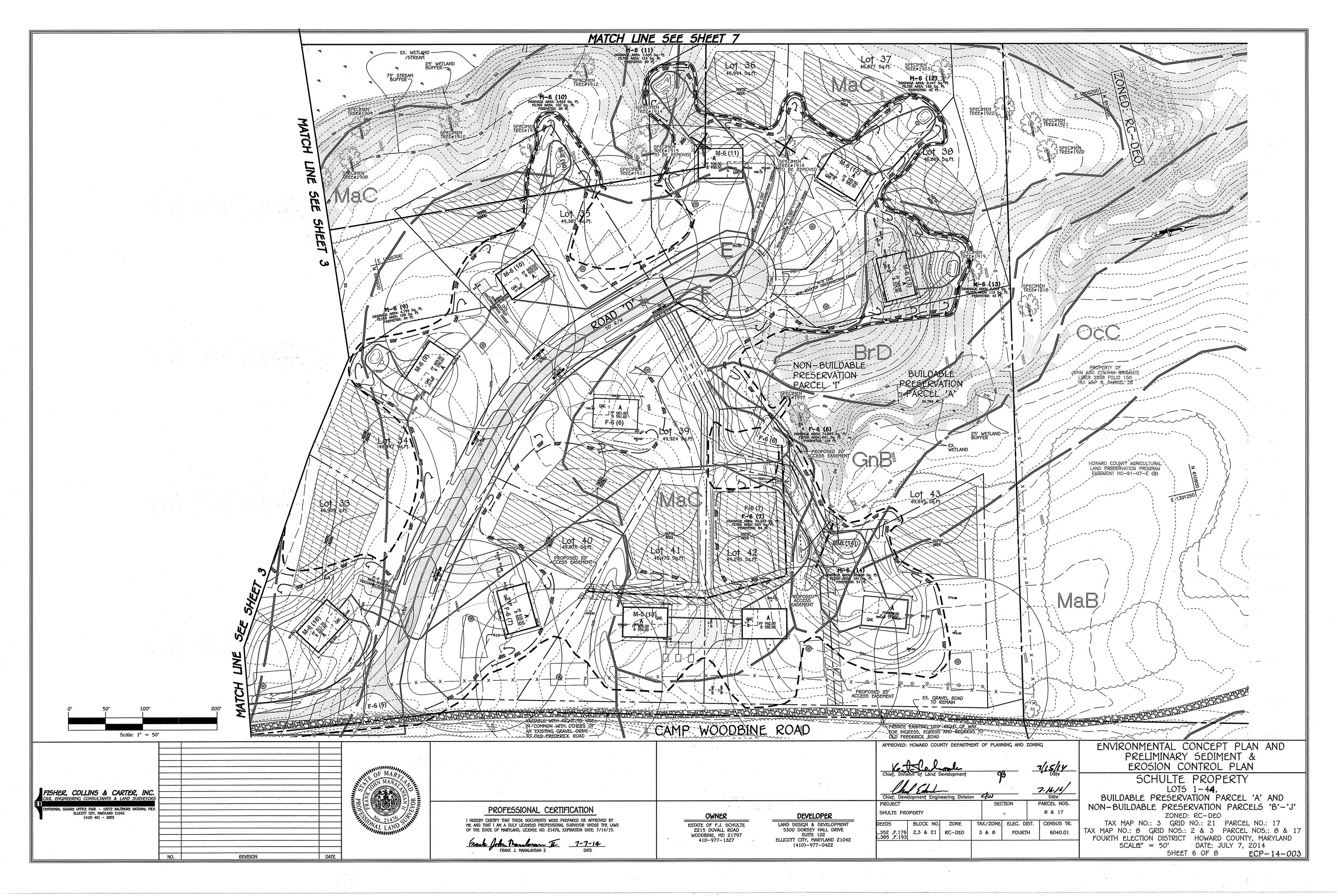
TAX MAP NO.: 3 GRID NO.: 21 PARCEL NO.: 17 TAX MAP NO.: 8 GRID NOS.: 2 & 3 PARCEL NOS.: 8 & 17 FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALES SHOWN DATE: JULY 7, 2014 SHEET 1 OF 8 ECP-14-003

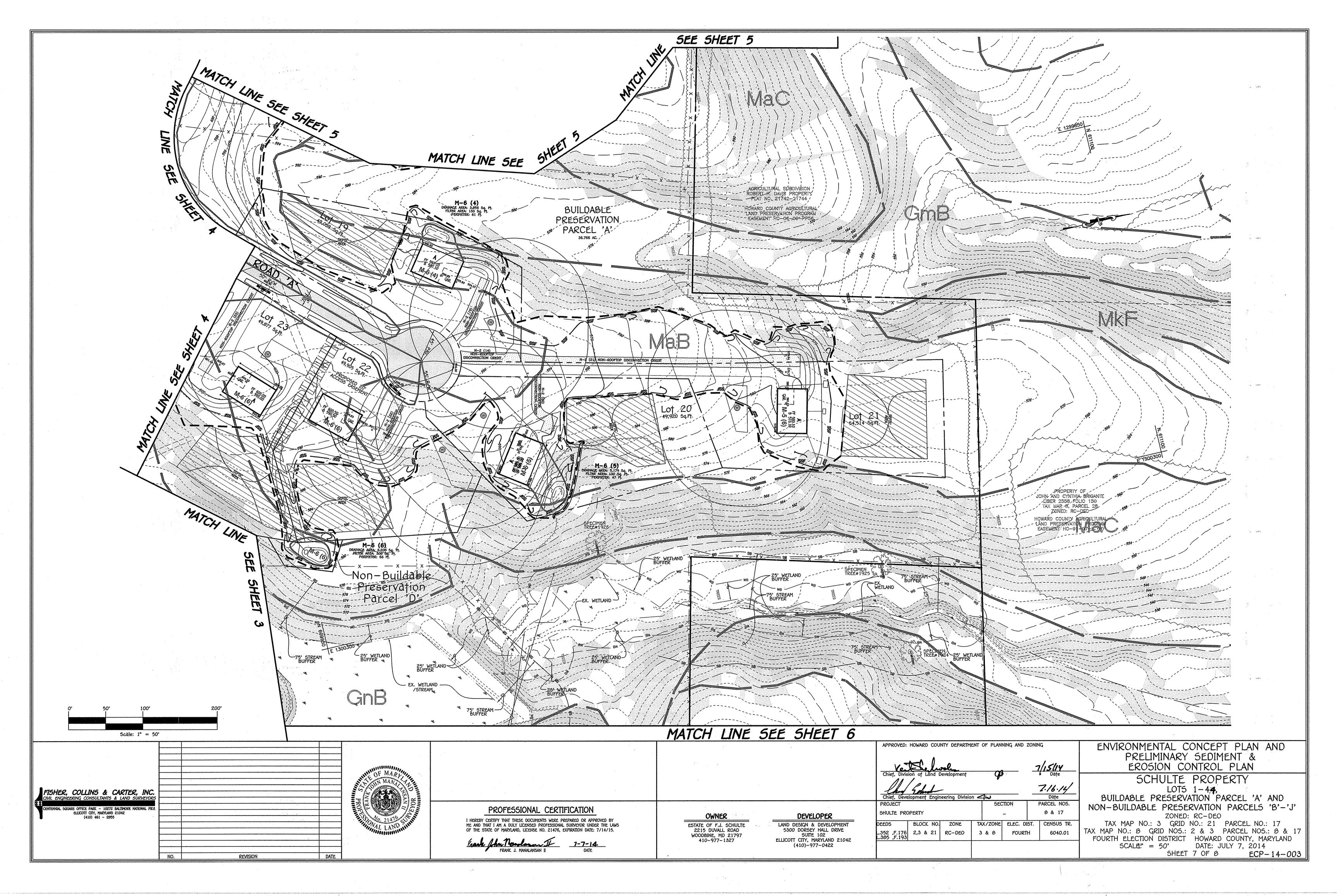


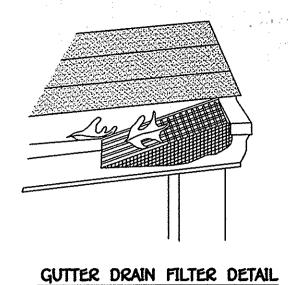


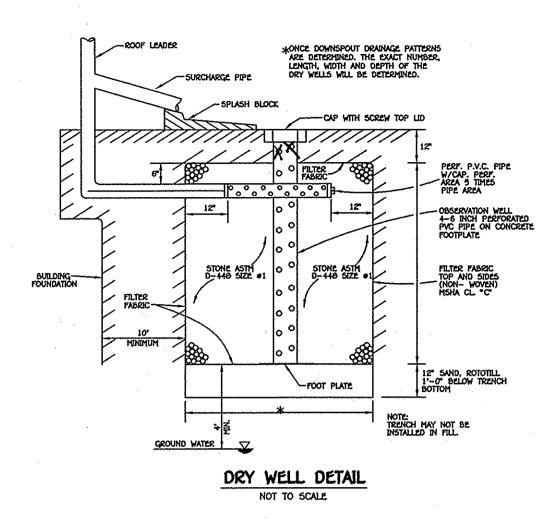


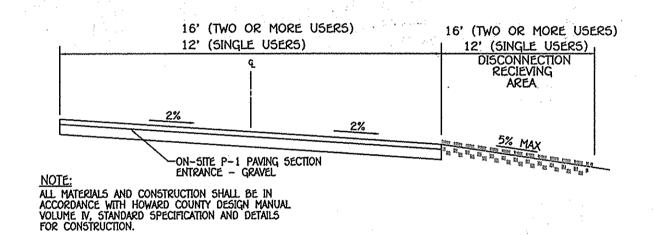




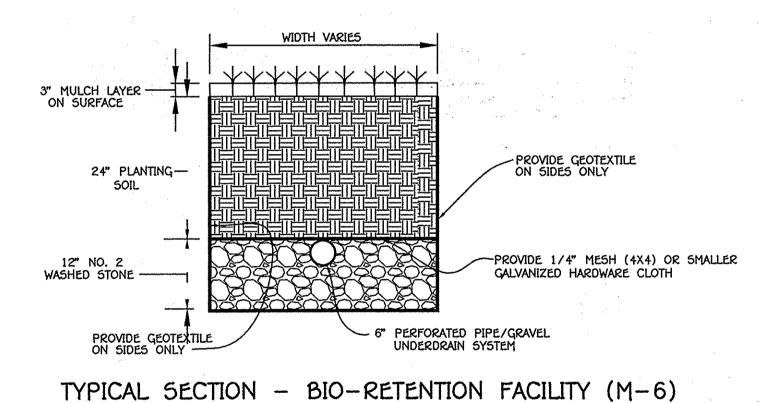




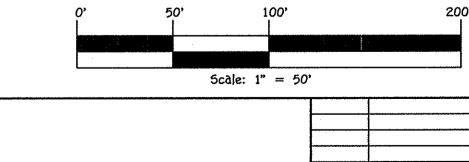


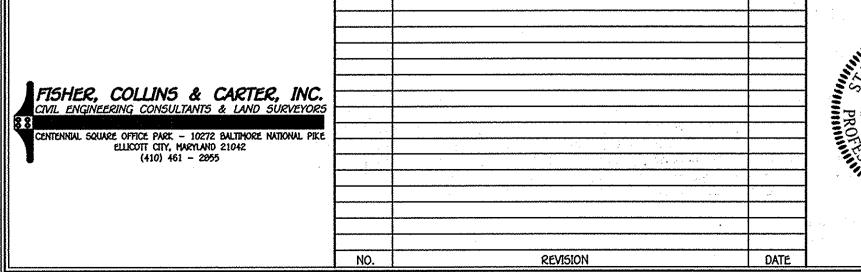


TYPICAL PRIVATE DRIVE CROSS SLOPE SECTION NOT TO SCALE



NO SCALE







PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21476, EXPIRATION DATE: 7/14/15.

Frank J. Manalansan II Date

OWNER ESTATE OF F.J. SCHULTE 2215 DUVALL ROAD WOODBINE, MD 21797 410-977-1327

DEVELOPER LAND DESIGN & DEVELOPMENT 5300 DORSEY HALL DRIVE SUITE 102 ELLICOTT CITY, MARYLAND 21042 (410)-977-0422

	Chief, Division of Land Development				OB			7/15/14 Date	-
Chief, Development Engineering Division PROJECT SHULTE PROPERTY				n «	SECTION -			7./6./4/ Date PARCEL NOS. 8 & 17	N
	DEEDS 352 ,F.176 L.305 ,F.193	BLOCK NO. 2,3 & 21	ZONE RC-DEO		X/ZONE 8 & B	ELEC. DIS		CENSUS TR. 6040.01	TA

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

STORMWATER MANAGEMENT PRACTICES

ESDV REQUIRED ESDV PROVIDED Cuft.

DISCONNECTION OF ROOFTOP RUNOFF DRY WELLS BIO-RETENTION BIO-RETENTION GRASS SWALE (Y/N) (Y/N) (Y/N) (Y/N) (Y/N) (Y/N) (Y/N)

DETAILS

SCHULTE PROPERTY LOTS 1-44, BUILDABLE PRESERVATION PARCEL 'A' AND NON-BUILDABLE PRESERVATION PARCELS 'B'-'J'

ZONED: RC-DEO
TAX MAP NO.: 3 GRID NO.: 21 PARCEL NO.: 17
AX MAP NO.: 8 GRID NO5.: 2 & 3 PARCEL NO5.: 8 & 17 FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALES SHOWN DATE: JULY 7, 2014 SHEET 8 OF 8 ECP-14-003