- . ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD. COUNTY PLUS MISHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- 2. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- 3. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48-HOURS PRIOR TO ANY EXCAVATION WORK

- 4. PROJECT BACKGROUND:
 LOCATION: SEE VICINITY MAP IN THE TOP RIGHT CORNER OF THIS SHEET
 TAX MAP: 4T
 ELECTION DISTRICT: 6
 ZONING: R-ED PER 2-2-04 COMPREHENSIVE ZONING PLAN AND THE COMP LITE ZONING AMENDMENTS EFFECTIVE 7-28-06.
 AREA OF BUILDABLE LOTS (NOS. 131-174) FOR THIS SITE DEVELOPMENT PLAN: 2.27t ACRES.
 FOR OTHER SUBMISSIONS RELATED TO THIS SITE, SEE HOWARD COUNTY DEPT. OF PLANNING & ZONING FILE NOS.: SP-10-005, PB340, WP-11-076,
- THIS PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE BEEN PROCESSED.
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY BENCHMARKS 4TDC AND 4TEB WERE USED FOR THIS PROJECT.
- ALL PLAN DIMENSIONS ARE TO THE FACE OF CURB OR FACE OF BUILDING UNLESS OTHERWISE NOTED. DIMENSIONS ARE MEASURED PERPENDICULAR OR RADIALLY BETWEEN ITEMS UNLESS OTHERWISE NOTED.
- EXISTING TOPOGRAPHY AND FEATURES COMPILED FROM F-13-103 AND AERIAL TOPOGRAPHY PREPARED BY MCKENZIE-SNYDER DURING DECEMBER, 2008
- PUBLIC WATER AND SEWER SHALL BE UTILIZED (AS PROVIDED BY W&S CONTRACT NOS. 24-4812-D) AND THE WATER METER VAULTS IN OUTSIDE VAULTS. IO. STORMWATER MANAGEMENT FOR THIS SITE WILL BE PROVIDED IN ACCORDANCE WITH CHAPTER 5 OF THE MIDE STORMWATER DESIGN MANUAL. BASED ON TABLE 5.3, THIS SITE HAS A TARGET PE OF I.O.". IN ORDER TO FULFILL THE STORMWATER MANAGEMENT REQUIREMENTS MICRO-BIORETENTION
- (M-6) WILL BE USED. ALL MICRO-BIORETENTION FACILITIES IN A PUBLIC EASEMENT AND THE SAND FILTER WILL BE JOINTLY MAINTAINED BY HOWARD COUNTY AND THE HOA. ALL MICRO-BIORETENTION FACILITIES IN A PRIAVTE EASEMENT WILL BE MAINTAINED BY THE HOA.
- FOREST CONSERVATION WAS ADDRESSED BY F-13-103. STORMWATER MANAGEMENT FOR THIS SITE WILL BE PROVIDED IN ACCORDANCE WITH CHAPTER 5 OF THE MDE STORMWATER DESIGN MANUAL. BASED ON TABLE 5.3, THIS SITE HAS A TARGET PE OF 1.8. IN ORDER TO FULFILL THE STORMWATER MANAGEMENT REQUIREMENTS A COMBINATION OF RAIN BARRELS (M-I) ANDMICRO-BIORETENTION (M-6) PER F-13-103 WILL BE USED. ALL OF THE ESD STORMWATER DEVICES ON BUILDABLE LOTS WILL BE PRIVATELY OWNED AND MAINTAINED. ALL MICRO-BIORETENTION FACILITIES IN A PUBLIC EASEMENT AND THE SAND FILTER WILL BE JOINTLY MAINTAINED BY HOWARD COUNTY AND THE HOA, ALL "ON-LOT" STORMWATER MANAGEMENT DEVICES ARE SUBJECT TO THE RECORDED D.O.C. (Declaration of Covenant). NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT, HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION IS ALLOWED. NO GRADING, PAVING, REMOVAL OF VEGETATIVE COVER OR TREES,OR PLACEMENT OF NEW STRUCTURES IS PERMITTED WITHIN THE LIMITS OF WETLANDS, STREAMS AND THEIR REQUIRED BUFFERS, AND 100 YEAR FLOODPLAIN AREAS IS ALLOWED UNLESS PERMITTED UNDER AN APPROVED WAIVER OR DETERMINED TO BE ESSENTIAL OR NECESSARY BY DPZ. DPZ
- SHALL DETERMINE IF IMPACTS TO ENVIRONMENTAL RESOURCES ARE NECESSARY IN ACCORDANCE WITH SUBSECTION 16.116(C) OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS. THIS PROJECT COMPLIES WITH THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION. THE FOREST CONSERVATION OBLIGATIONS WERE ADDRESSED UNDER F-13-103.
- MINIMUM BUILDING SETBACK RESTRICTIONS FROM PUBLIC ROADS AND PROPERTY LINES WILL BE PROVIDED IN ACCORDANCE WITH THE ZONING REGULATIONS ADOPTED JULY, 2006. ALSO SEE "SETBACK REQUIREMENTS CHART" ON THIS SHEET.
- FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING (\$18,300.00 AS SHOWN ON SHEET IO TO SATISFY SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL) SHALL BE POSTED AS PART OF THE GRADING PERMIT. FOR ADDITIONAL INFORMATION ON THE LANDSCAPE SURETY SEE SHEET IO.
- 16. THERE ARE NO WETLANDS, 100-YR FLOODPLAINS OR STREAMS ON THE BUILDABLE LOTS SHOWN ON THIS SITE DEVELOPMENT PLAN. ELSEWHERE WITHIN WINCOPIA FARMS OPEN SPACE LOTS THERE ARE WETLANDS, 100-YR FLOODPLAIN, STREAMS AND STREAM BUFFERS.
- 17. IF DISCOVERY OF A CEMETERY IS MADE DURING CONSTRUCTION THE DEVELOPER SHALL COMPLY WITH SUBSECTION 16.1305(A) OF THE HOWARD COUNTY CODE.
- 18. DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS: A. WIDTH - 12' (16' SERVING MORE THAN ONE RESIDENCE) B. SURFACE - 6" OF COMPACTED CRUSHER RUN BASE WITAR AND CHIP COATING (1-1/2"MIN.) C. GEOMETRY - MAX. 15% GRADE, MAX. 10% GRADE CHANGE AND MIN. 45' TURNING RADIUS. D. STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING) E. DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100-YR. FLOOD WITH NO MORE THAN I FOOT DEPTH OVER DRIVEWAY SURFACE. F. MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
- 19. ANY DAMAGE TO THE ADJACENT COUNTY OWNED RIGHT-OF-WAY AND PROPERTY SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- 20. BUILDABLE LOTS SHOWN HEREON HAVE A PUBLIC EASEMENT ADJACENT TO THE PUBLIC ROAD RIGHT OF WAY PER PN 22738, FOR THE PURPOSES OF SIDEWALK MAINTENANCE, WATER HOUSE CONNECTION AND SEMER HOUSE CONNECTION.
- IN ACCORDANCE WITH SECTION 128 OF THE HOWARD COUNTY ZONING REGULATIONS, BAY WINDOWS, CHIMNEYS OR EXTERIOR STAIRWAYS NOT MORE THAN 16 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY SETBACKS. PORCHES, OR DECKS, OPEN OR ENCLOSED AND THE STAIRWAYS ATTACHED THERETO MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT OR REAR YARD SETBACK.
- 22. IN ACCORDANCE WITH SECTION 107.D.1.b OF THE HOWARD ZONING ORDINANCE THE LOT COVERAGE FOR STRUCTURES WITHIN SINGLE FAMILY
 ATTACHED PROJECTS DEVELOPED WITH ONE DWELLING UNIT PER LOT HAS A MAXIMUM LIMITATION OF 60%. SEE LOT COVERAGE CHART THIS SHEET.

LOT DEVELOPMENT DATA

I. GENERAL SITE ANALYSIS DATA

- A. PRESENT ZONING: R-ED PER 2-2-04 COMPREHENSIVE ZONING PLAN AND THE COMP LITE ZONING AMENDMENTS EFFECTIVE 7-28-06
- B. PROPOSED USE OF SITE: 49 SFA RESIDENTIAL DWELLINGS . PUBLIC WATER & SEWER TO BE UTILIZED (CONTR. Nos. 24-4812-D) D. PARKING REQUIRED AND PROVIDED: SEE CHART BELOW
- E. RECREATION OPEN SPACE FOR THIS SOP IS ADDRESSED UNDER F-I3-IO3 (SEE OVERALL OPEN SPACE PROVISION CHART ON THIS SHEET).
- A. AREA OF BUILDABLE LOTS FOR THIS SUBMISSION: 98,907± SF OR 2.27± AC.
- B. AREA OF THIS PLAN SUBMISSION: 2.6± ACRES (L.O.D.) C. AREA OF DISTURBANCE BY THIS SDP: 2.6± ACRES

SINGLE FAMILY ATTACHED PARKING ANALYSIS

NUMBER OF SINGLE-FAMILY ATTACHED LOTS FOR THIS SDP = 49

REQUIRED PARKING (@ 2 SPACES PER UNIT) = 98 SPACES REQUIRED OVERFLOW PARKING (@ 0.3 SPACES/INIT PER DMV 3, TABLE 2.11) = 15 SPACES

TOTAL REQUIRED SPACES = 113 SPACES

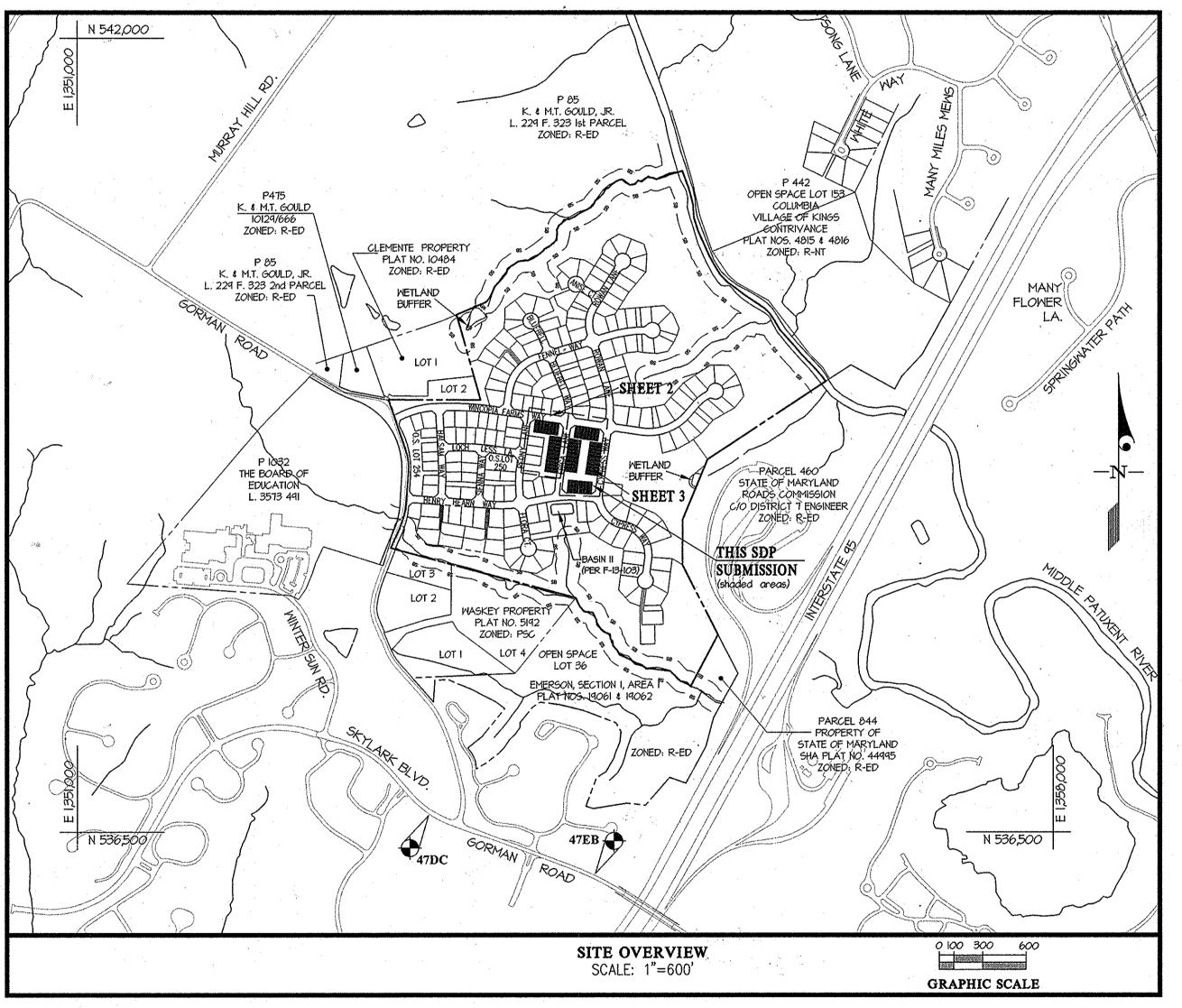
PARKING PROVIDED:

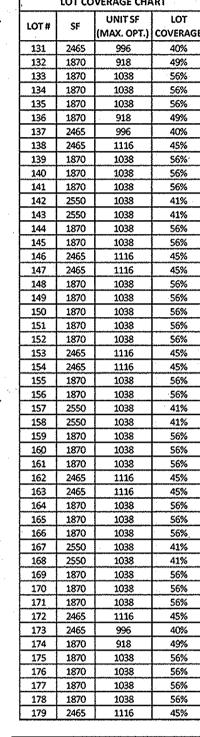
4 SPACES/UNIT (2 GARAGE & 2 TANDEM DRIVEWAY, AT LEAST 18' DEEP) = 196 SPACES

	RECREATIONAL	OPEN SPACE C	CHART
TYPE	CRITERIA	REQUIRED	PROVIDED
RECREATIONAL OPEN SPACE	400 SF PER SFA LOT X 49 LOTS	19,600 SF (0.45 Ac.)	6.75 AC ON 05 27 \$ 250(UNDER F-13-103)

WINCOPIA FARMS SITE DEVELOPMENT PLAN

LOT Nos. 131-179 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

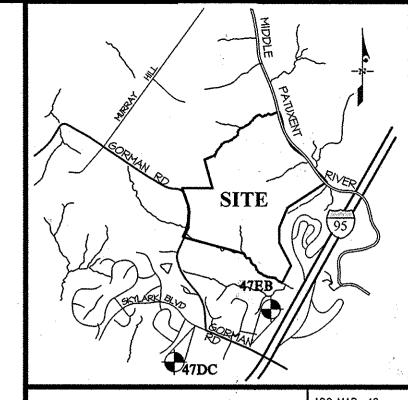




SETBACK REQUIREMENTS				
	SETBACK			
SETBACK TYPE	SINGLE FAMILY ATTACHED			
FRONT/SIDE ON INTERNAL PUBLIC R/W	20'			
FACE TO FACE	30'			
FACE TO SIDE / REAR TO SIDE	30'			
SIDE TO SIDE	15			
REAR TO REAR	60'			
REAR TO FACE	100'			

		SHEET INDEX
	l. 2.	COVER SHEET SITE DEVELOPMENT PLAN
	3. 4. 5.	SITE DEVELOPMENT PLAN SITE DETAILS SEDIMENT CONTROL PLAN
	6. 7.	SEDIMENT CONTROL PLAN SEDIMENT CONTROL DETAIL SHEET
-	8. 9. 10.	LANDSCAPE PLAN LANDSCAPE PLAN LANDSCAPE DETAIL SHEET

COVER SHEET



SCALE: 1" = 2,000'

GRID: B2, C2,

BENCHMARKS

47DC ELEV. 343.18 N = 536.615.00 E = 1,353.679.08 47EB ELEV. = 354.23 N = 536,212.77 E = 1,354,833.57

	EXISTING CONTOUR		CONCRETE WALK
388	PROPOSED CONTOUR	•	
+	PROPOSED SPOT ELEVATION	•	
• • •	LIMIT OF GRADING DISTURBANCE		•
	EXISTING PAVING — EXISTING CURB & GUITER	<u>@</u>	PROPOSED HOUSE
V-	METER VAULT		UNIT TYPE
EX. 8*W	I 1/2" WATER HOUSE CONNECTION (WHC, DASHED LINE TYP.)	-4 —	.*
· S	WATER LINE (PUBLIC) —FIRE HYDRANT	BRL	BUILDING RESTRICTION LINE
EX. 8*5.	EXISTING SEMER MAIN (DASHED LINE) SEMER HOUSE CONNECTION (SHC, SOLID LINE)		DOE TO LICENSE THE
EX. SD	EXISTING STORM DRAIN EXISTING LIGHT POLE	Т	BGE TRANSFORMER PAD

		ADDRESS	CHAR	T		
OT No.	STREET	ADDRESS	LOT Ño.	STREET	ADDRESS	
131	10070	WINCOPIA FARMS WAY	154	9912	ERICA LANE	
132	10072	WINCOPIA FARMS WAY	155	9914	ERICA LANE	
133	10074	WINCOPIA FARMS WAY	156	9916	ERICA LANE	
134	10076	WINCOPIA FARMS WAY	157	9918	ERICA L'ANE	
135	10078	WINCOPIA FARMS WAY	158	9922	ERICA LANE	
136	10080	WINCOPIA FARMS WAY	159	9924	ERICA LANE	
137	10082	WINCOPIA FARMS WAY	160	9926	ERICA LANE	
			161	9928	ERICA LANE	
138	9910	CYPRESS WAY	162	9930	ERICA LANE	
139	9912	CYPRESS WAY	163	9911	ERICA LANE	**************************************
140	9914	CYPRESS WAY	164	9913	ERICA LANE	
141	9916	CYPRESS WAY	165	9915	ERICA LANE	
142	9918	CYPRESS WAY	166	9917	ERICA LANE	
143	9922	CYPRESS WAY	167	9919	ERICA L'ANE	
144	9924	CYPRESS WAY	168	9923	ERICA LANE	
145	9926	CYPRESS WAY	169	9925	ERICA LANE	
146	9928	CYPRESS WAY	170	9927	ERICA LANE	
			171	9929	ERICA LANE	
147	9985	HENRY HEARN WAY	172	9931	ERICA LANE	
148	9983	HENRY HEARN WAY				
149	9981	HENRY HEARN WAY	173	10062	WINCOPIA FARMS WAY	
150	9979	HENRY HEARN WAY	174	10060	WINCOPIA FARMS WAY	
· 15 1	9977	HENRY HEARN WAY	175	10058	WINCOPIA FARMS WAY	
152	9975	HENRY HEARN WAY	176	10056	WINCOPIA FARMS WAY	
153	9973	HENRY HEARN WAY	177	10054	WINCOPIA FARMS WAY	
			178	10052	WINCOPIA FARMS WAY	
			179	10050	WINCOPIA FARMS WAY	.4
		PERMIT INFORM	IATION	CHA	ART	

F	PERMI	T INFORMA	TION CHAI	۲۲		:
WATER CODE: E2I		\$\$\\\	SEWER CODE:	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
DEVELOPMENT NAME: WINCOPIA FARMS			DISTRICT/AREA N/A	L(131-	OTS CENSUS TRACT 179 6068.06	
PLAT P.N. 22738	ZONE R-ED	TAX MAP GRID 47 3	ELEC. DIST.		.~»	,
		SCALE	ZONING		G. L. W. FILE No.	
		AS SHOWN	R-ED		14035	
		DATE	TAX MAP -	GRID 1	SHEET	
HOWARD COUNTY, MA	RYLAND	DEC. 2014	47 – 、	3	1 OF 10	

					SITE ANA	LYSIS CHA	RT				.,*
HO. CO. FILE NO.	GROSS ACREAGE	IOO YR FLOODPLAIN	STIEEP SLOPE AREAS	NET ACREAGE	SFD ACREAGE (% OF GROSS AC.)		REQUIRED (50% OF	SPACE PROVIDED (% OF GROSS AC.)	PUBLIC R/W (% OF GROSS AC.)		LIMIT OF DISTURBANCE AREAS (% OF GROSS AC.)
P-10-005/ F-13-103	127.60	6.11	11.40	IIO.09	41.11 (32.2%)	2.36 (1.8%)	63.80	69.74 (54.7%)	14.38 (11.3%)	2.18 (1.7%)	83.2 (65.2%)

	· · · · · · · · · · · · · · · · · · ·
APPROVED: HOWARD COUNTY DEPARTMENT OF F	PLANNING & ZONING
Director Director	4/9/15
Director	Date
KeitSlewtroch	4-08-15
Chief, Division of Land Development 🚧	Date
Ch./ Edudion	4.2.15
Chief, Development Engineering Division 📣	Date
~ T TT 7	

			Ul	NIT DE	NSITY	TABULATION				
HO. CO.	TOURIE		SITE AC	REAGE		REQUIRED MAXIMUM N	o. OF UNITS	PROV	IDED No. OF	UNITS
FILE NO.	ZONING	6R055	100 YR FP	STEEP SLOPES	NĘŢ	MAX. UNIT DENSITY ALLOWED	MAX, UNITS ALLOWED		SFA PROVIDED	TOTAL
P-10-005/ F-13-103	RE-D	127.60	6.11	11.40	110.09	2.0 UNITS / NET ACRE	220	171	49	220
					* · ·					

GLWGUTSCHICK LITTLE &W	EBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LAN 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OF BURTONSVILLE, MARYLAND 20866 TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524	NDSCAPE ARCHITECTS FICE PARK

				-	
			:		
S		Sug.			
			·		
KG	DATE	REVISION		BY	APP'R.

PREPARED FOR: 10600 ARROWHEAD DRIVE SUITE 225 PH: 703-934-9367 ATTN.: DON HUGHES

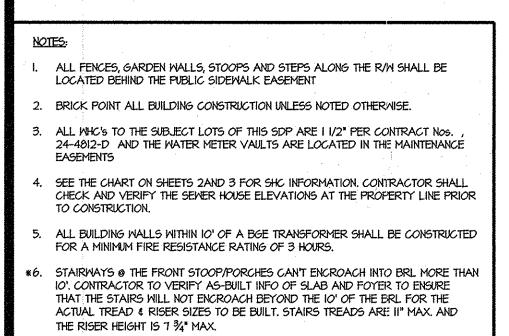
PROFESSIONAL CERTIFICATION HEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12975 EXPIRATION DATE: May 26, 2016

WINCOPIA FARMS LOT Nos. 131-179 (SFA RESIDENTIAL USE) PLAT No. 22738 ELECTION DISTRICT No. 6

L'\CADD\DRAMINGS\08052\SDPs\SDP (PULTE)\14035_01 CS.dwg | DES. dds | DRN. KLP | CHK. CK

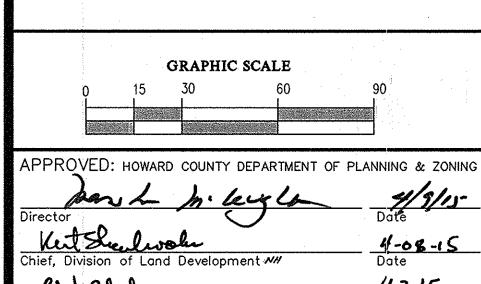
MINIM	ER HOUSE CONNEC UM CELLAR ELEV VERT ELEVATION	'ATIONS
LOT#	M.C.E.	INV. Ø R/W ESMT.
163	346.74	343.16
164	347.68	344.10
165	348.63	345. <i>0</i> 5
166	349.58	346.00
167	350.55	346.97
168	352.16	348.58
169	353.11	349.53
170	354.06	350.48
[7]	355.OI	351.43
172	355.73	352.19
173	363.20	359.42
174	364.20	360.42
175	364.70	360.92
176	365.20	361.42
177	365.70	361.72
178	366.20	362.42
179	366.70	362.42

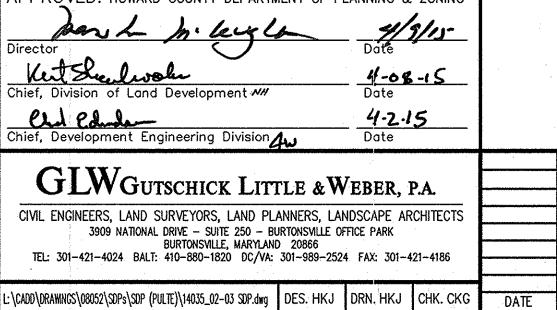
NOTE: ALL SEWER HOUSE CONNECTIONS ARE 4".

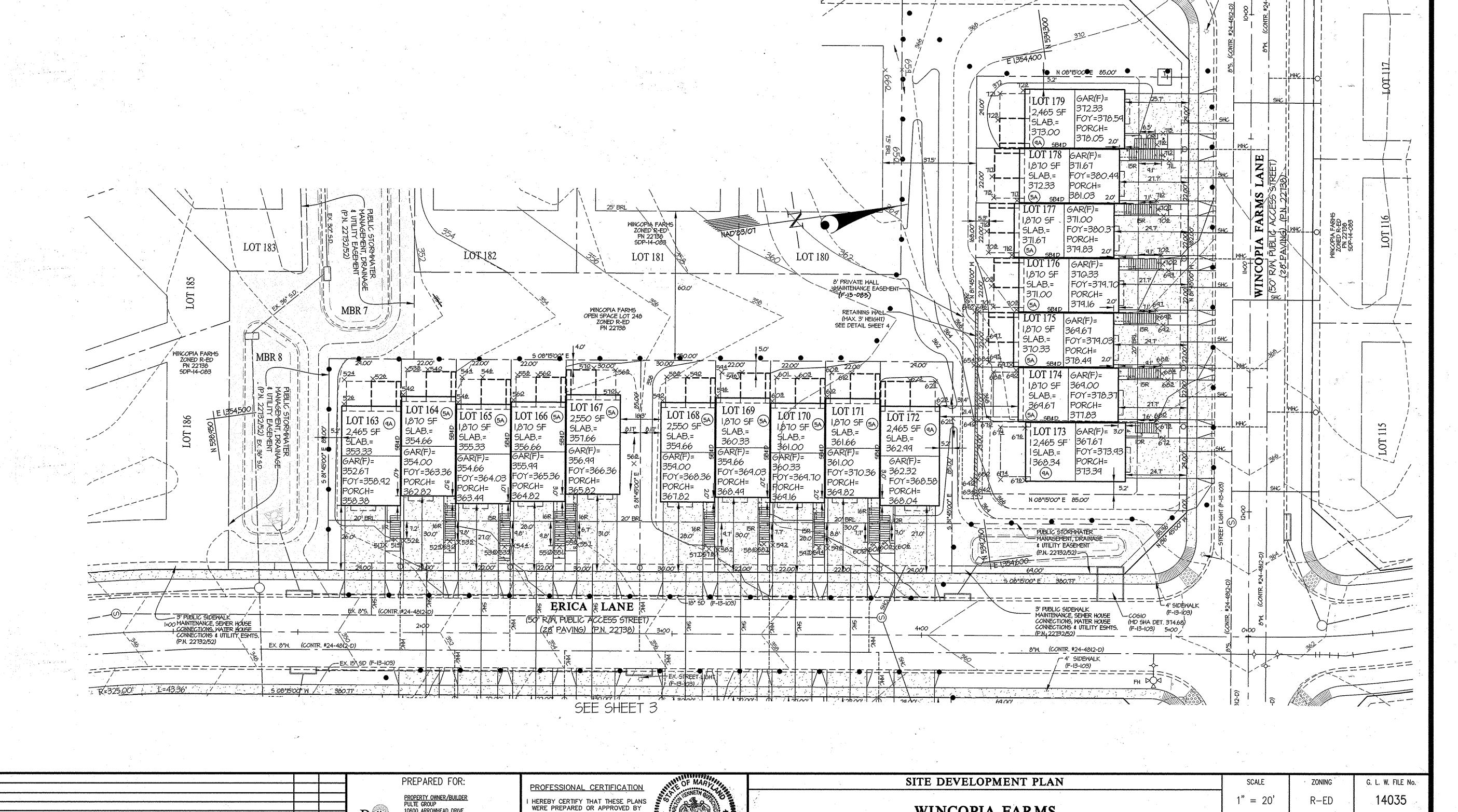


DRIVEWAY APRONS PER DPW R-6.01 AND R-6-03.

8. SEE SHEET 4 FOR TYPICAL HOUSE FOOTPRINTS AND ELEVATIONS.







ELECTION DISTRICT No. 6

10600 ARROWHEAD DRIVE SUITE 225 FAIRFAX, VA. 22030

PH: 703-934-9367

ATTN.: DON HUGHES

BY APP'R.

REVISION

ME, AND THAT I AM A DULY LICENSED

PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12975_____, EXPIRATION DATE: May 26, 2016_____.

PEONY LANE

(50' R/W, PUBLIC ACCESS STREET)

(26' PAVING) (P.N. 22732-22752)

WINCOPIA FARMS

LOT Nos. 131-179

(SFA RESIDENTIAL USE)

PLAT No. 22738

8"M. (CONTR. #24-4812-D)

3' PUBLIC SIDEWALK MAINTENANCE, SEWER HOUSE

(P.N. 22732/52)

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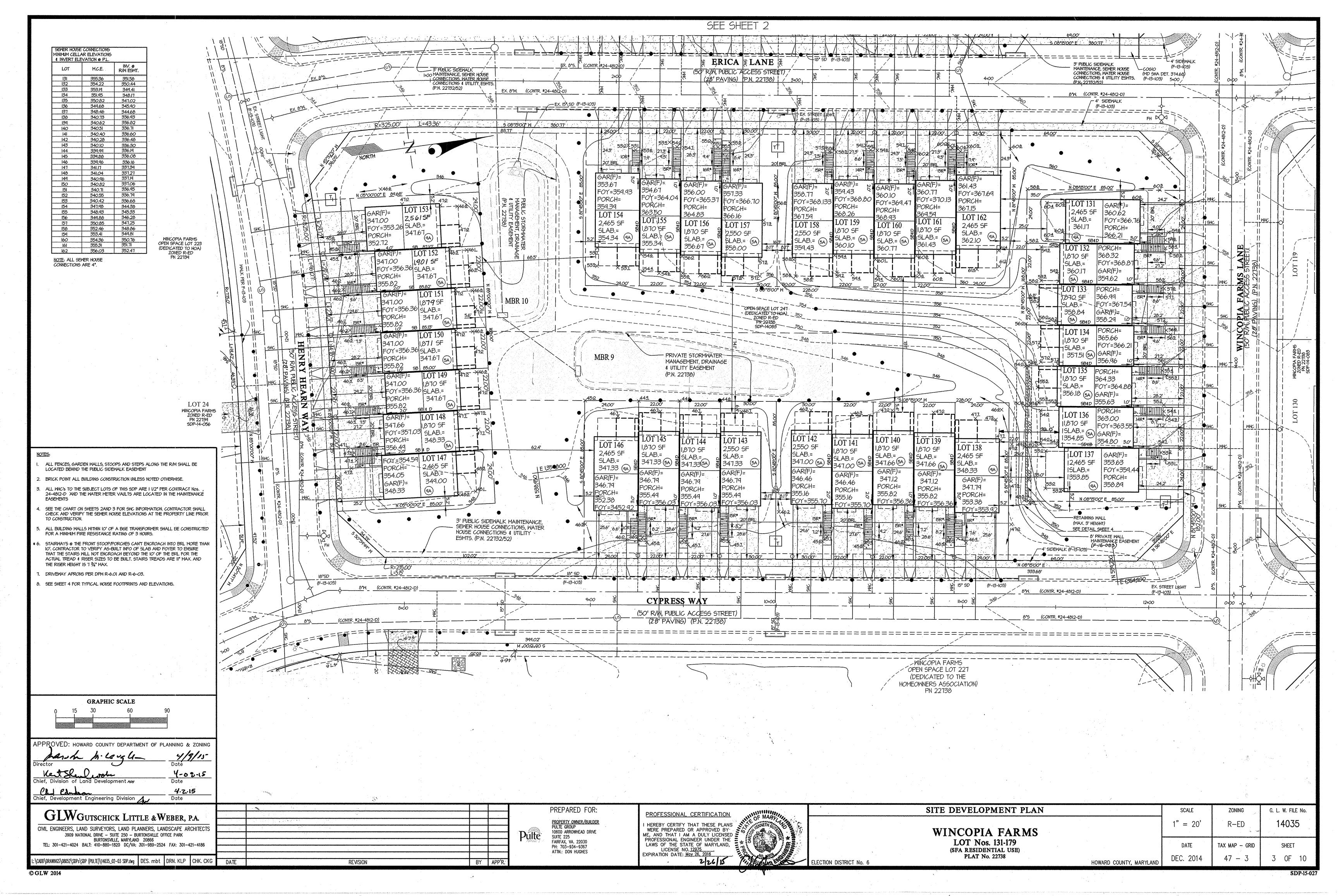
SDP-15-027

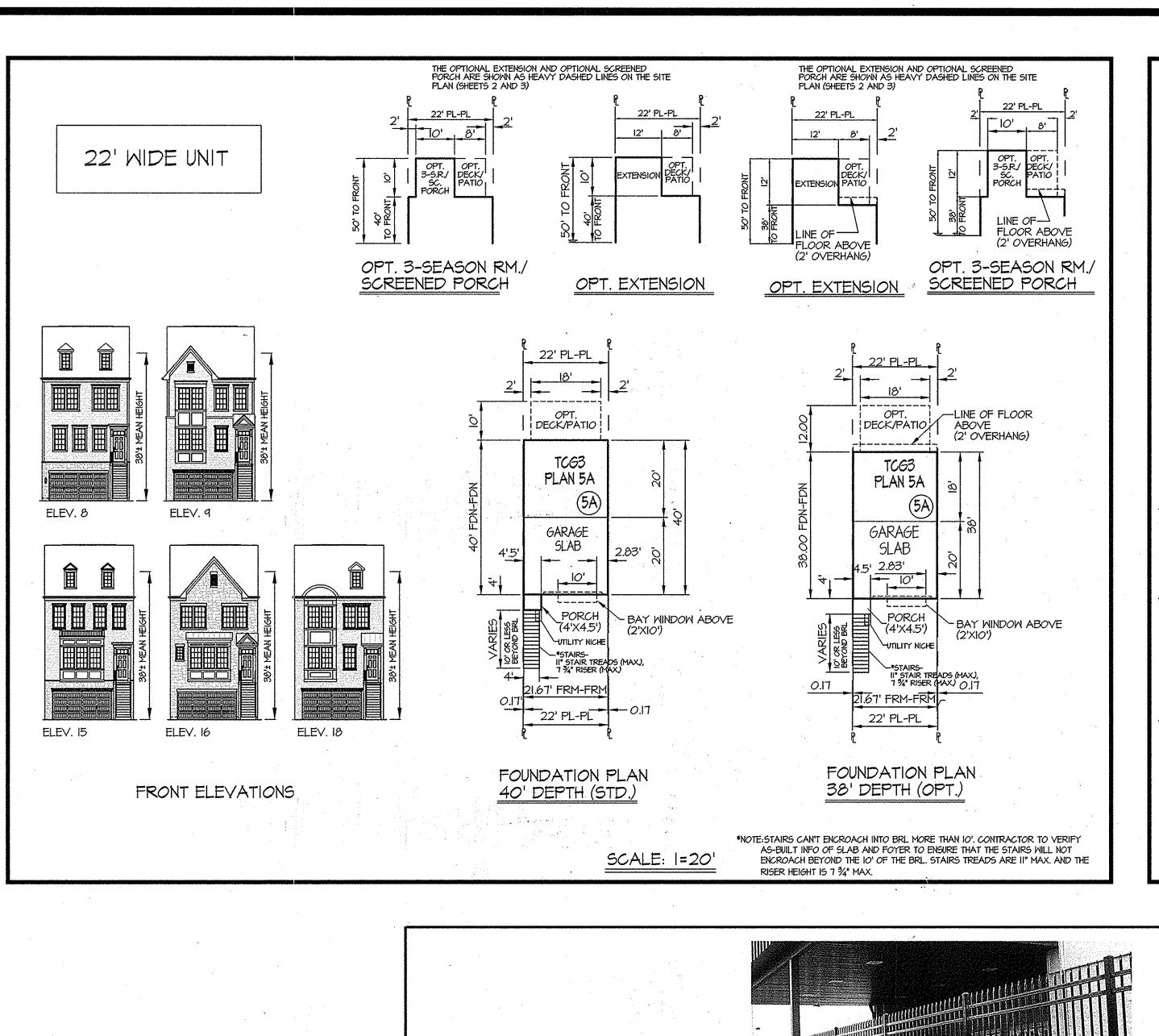
OF 10

DATE

HOWARD COUNTY, MARYLAND

TAX MAP - GRID



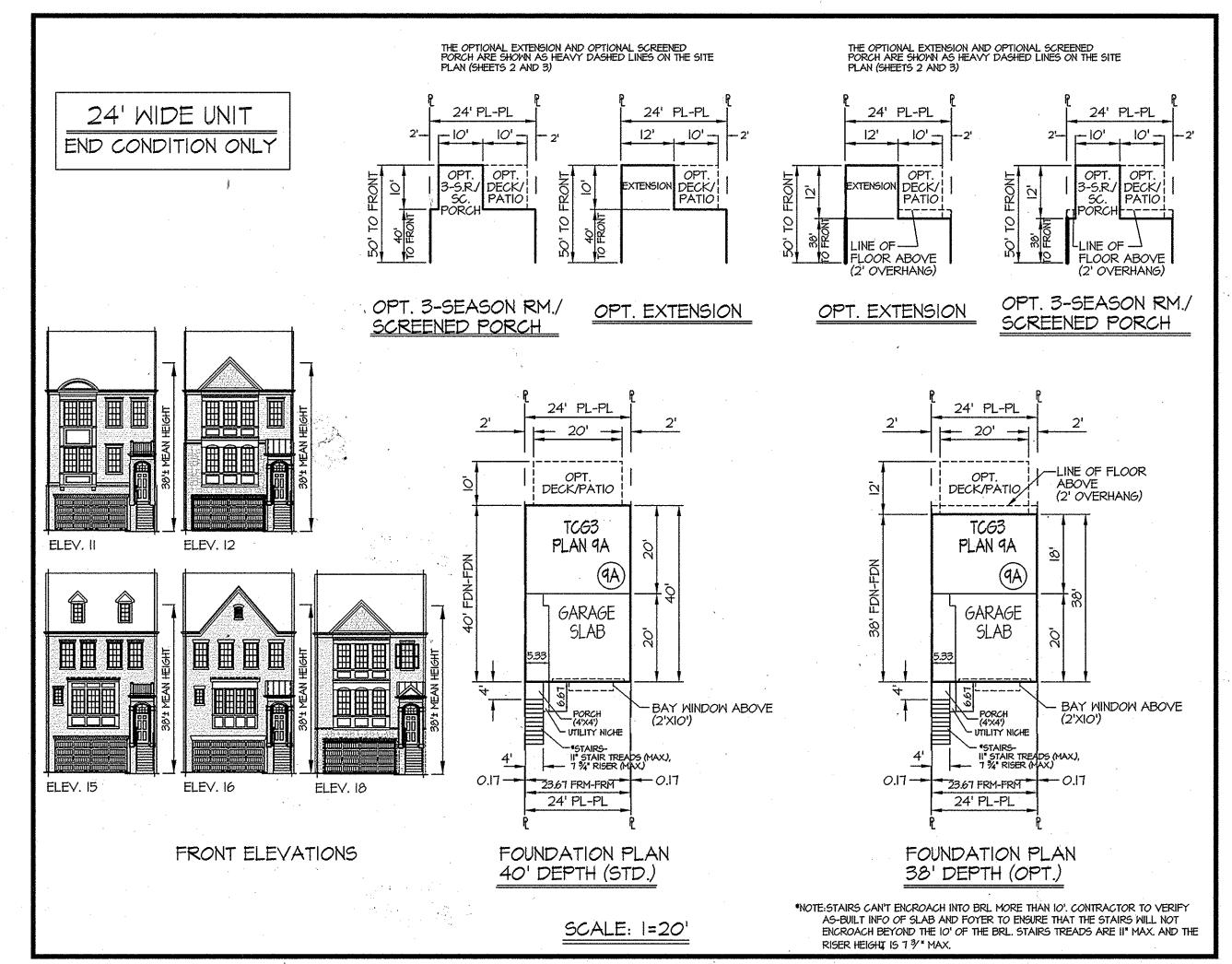


REVISION

BY APP'R

:\CADD\DRAWNGS\08052\SDP\$\SDP (PULTE)\14035_04 SDP.dwg | DES. HKJ | DRN. HKJ | CHK. MBT

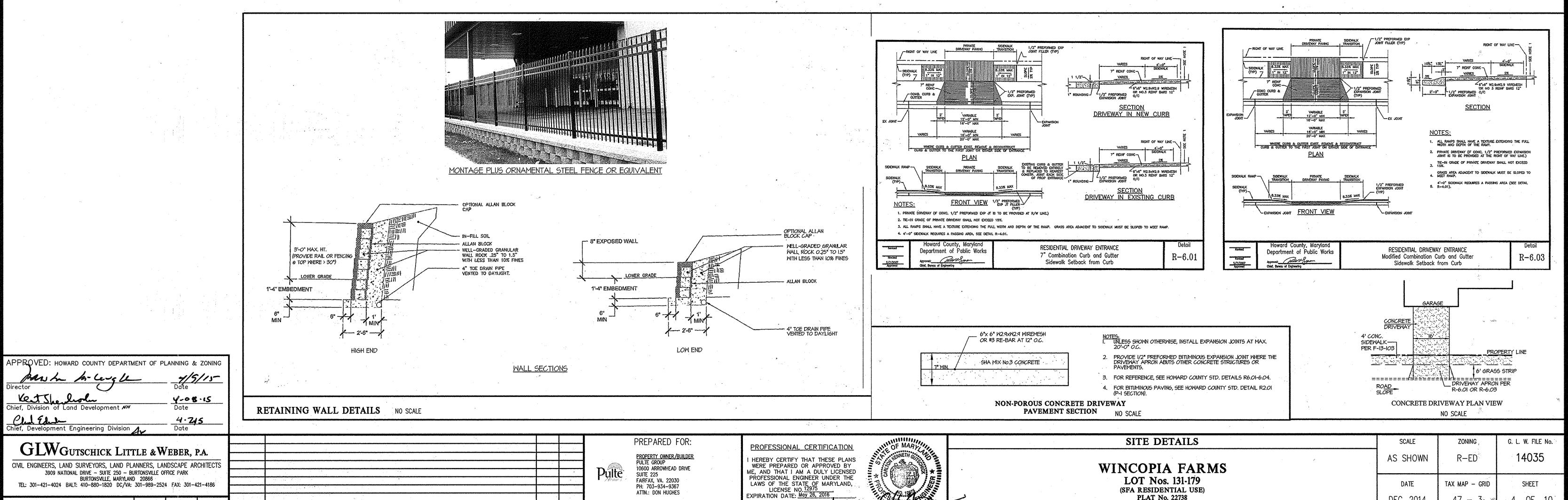
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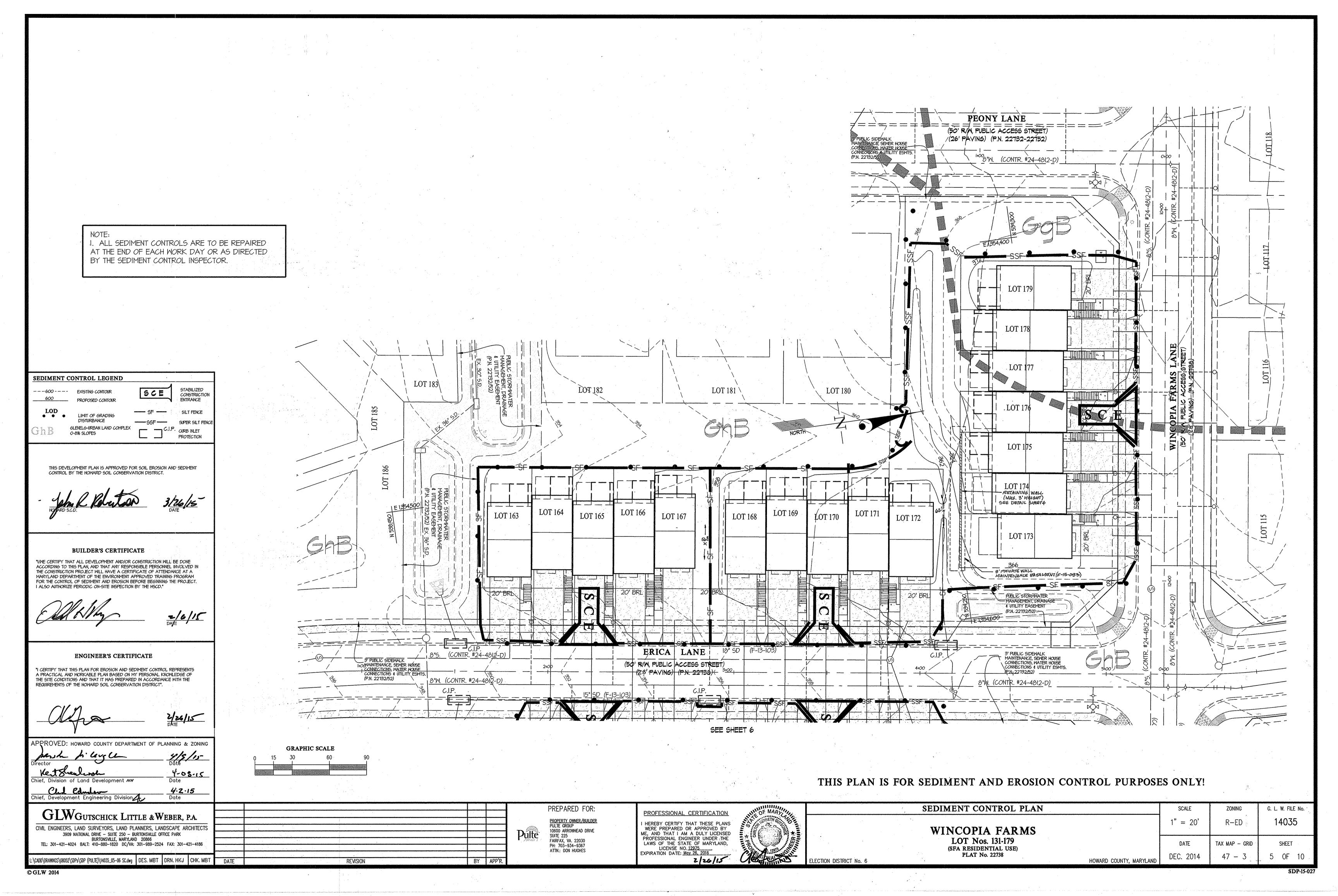


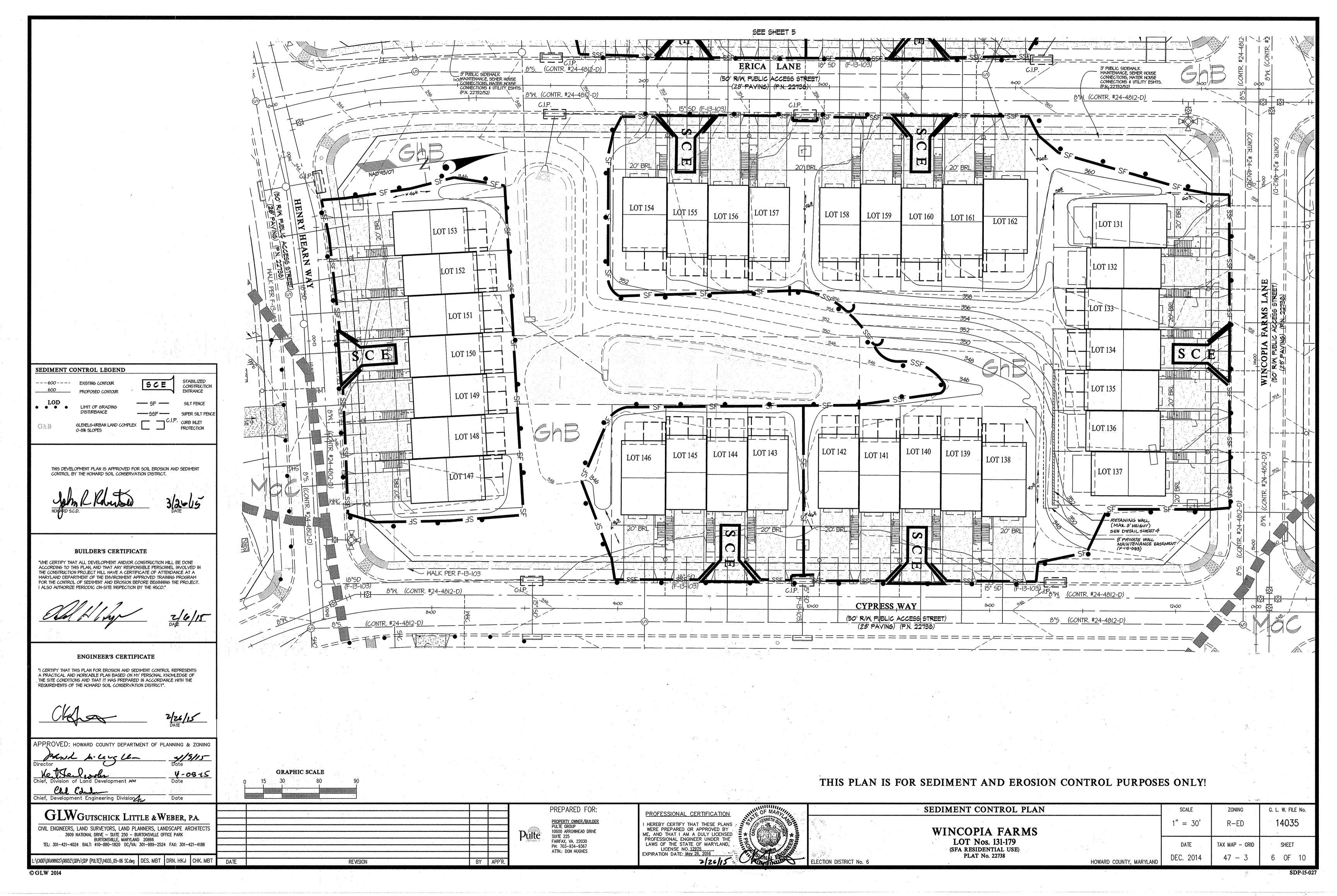
ELECTION DISTRICT No. 6

PLAT No. 22738

HOWARD COUNTY, MARYLAND







A. SOIL PREPARATION TEMPORARY STABILIZATION OTHER SUITABLE MEANS . PERMANENT STABILIZATION TOPSOIL APPLICATION

Phil Edula \CADD\DRAWNGS\08052\SDP\$\SDP (PULTE)\14035_07 SC.dwg | DES. HKJ | DRN. HKJ | CHK. MBT |

B-4-3 STANDARDS AND SPECIFICATIONS FOR B-4-2 STANDARD AND SPECIFICATIONS FOR SOIL PREPARATION, **B-4-4 STANDARDS AND SPECIFICATIONS B-4-5 STANDARDS AND SPECIFICATIONS B-4-8 STANDARDS AND SPECIFICATIONS** SEEDING and MULCHING DETAIL E-1 SILT FENCE FOR TEMPORARY STABILIZATION FOR PERMANENT STABILIZATION TOPSOILING, AND SOIL AMENDMENTS FOR STOCKPILE AREA <u>DEFINITION</u> DEFINITION THE APPLICATION OF SEED AND MULCH TO ESTABLISH VEGETATIVE COVER. CENTER TO CENTER 36 IN MIN. FENCE POST LENGTH DRIVEN MIN. 16 IN INTO GROUND A MOUND OR PILE OF SOIL PROTECTED BY APPROPRIATELY DESIGNED EROSION AND SEDIMENT THE PROCESS OF PREPARING THE SOILS TO SUSTAIN ADEQUATE VEGETATIVE STABILIZATION. TO STABILIZE DISTURBED SOILS WITH VEGETATION FOR UP TO 6 MONTHS. TO STABILIZE DISTURBED SOILS WITH PERMANENT VEGETATION. CONTROL MEASURES. TO PROVIDE A DESIGNATED LOCATION FOR THE TEMPORARY STORAGE OF SOIL THAT CONTROLS TO PROTECT DISTURBED SOILS FROM EROSION DURING AND AT THE END OF "16 IN MIN. HEIGHT OF WOVEN SLIT FILM GEOTEXTILE THE POTENTIAL FOR EROSION, SEDIMENTATION, AND CHANGES TO DRAINAGE PATTERNS. TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. TO USE LONG-LIVED PERENNIAL GRASSES AND LEGUMES TO ESTABLISH PERMANENT GROUND COVER ON TO USE FAST GROWING VEGETATION THAT PROVIDES COVER ON DISTURBED SOILS. CONDITIONS WHERE PRACTICE APPLIES EXPOSED SOILS WHERE GROUND COVER IS NEEDED FOR <u>Conditions where practice applies</u> Stockpile areas are utilized when it is necessary to salvage and store soil for later CONDITIONS WHERE PRACTICE APPLIES CONDITIONS WHERE PRACTICE APPLIES A PERIOD OF 6 MONTHS OR LESS. FOR LONGER DURATION OF TIME, PERMANENT STABILIZATION CONDITIONS WHERE PRACTICE APPLIES TO THE SURFACE OF ALL PERIMETER CONTROLS, SLOPES, AND ANY DISTURBED AREA WHERE VEGETATIVE STABILIZATION IS TO BE ESTABLISHED. PRACTICES ARE REQUIRED NOT UNDER ACTIVE GRADING. EXPOSED SOILS WHERE GROUND COVER IS NEEDED FOR 6 MONTHS OR MORE. ELEVATION THE STOCKPILE LOCATION AND ALL RELATED SEDIMENT CONTROL PRACTICES MUST BE CLEARLY INDICATED ON THE EROSION AND SEDIMENT CONTROL PLAN THE FOOTPRINT OF THE STOCKPILE MUST BE SIZED TO ACCOMMODATE THE ANTICIPATED VOLUME OF MATERIAL AND BASED ON A SIDE SLOPE RATIO NO STEEPER THAN 2:1. SELECT ONE OR MORE OF THE SPECIES OR SEED MIXTURES LISTED IN TABLE B.1 FOR THE BENCHING MUST BE PROVIDED IN ACCORDANCE WITH SECTION B-3 LAND GRADING. RUNOFF FROM THE STOCKPILE AREA MUST DRAIN TO A SUITABLE SEDIMENT CONTROL <u>SEEDING</u> APPROPRIATE PLANT HARDINESS ZONE (FROM FIGURE B.3). AND ENTER THEM IN THE TEMPORARY SEEDING SUMMARY BELOW ALONG WITH APPLICATION RATES, SEEDING DATES AND SEEDING DEPTHS. IF THIS SUMMARY IS NOT PUT ON THE PLAN AND COMPLETED, a. SELECT ONE OR MORE OF THE SPECIES OR MIXTURES LISTED IN TABLE B.3 FOR THE ACCESS THE STOCKPILE AREA FROM THE UPGRADE SIDE.
CLEAR WATER RUNOFF INTO THE STOCKPILE AREA MUST BE MINIMIZED BY USE OF A
DIVERSION DEVICE SUCH AS AN EARTH DIKE, TEMPORARY SWALE OR DIVERSION FENCE THEN TABLE B.1 PLUS FERTILIZER AND LIME RATES MUST BE PUT ON THE PLAN. SEEDBED PREPARATION CONSISTS OF LOOSENING SOIL TO A DEPTH OF 3 TO 5 INCHES 8' APPROPRIATE PLANT HARDINESS ZONE (FROM FIGURE B.3) AND BASED ON THE SITE o. ALL SEED MUST MEET THE REQUIREMENTS OF THE MARYLAND STATE SEED LAW MEANS OF SUITABLE AGRICULTURAL OR CONSTRUCTION FOUIPMENT. SUCH AS DISC HARROWS O FOR SITES HAVING SOIL TESTS PERFORMED, USE AND SHOW THE RECOMMENDED RATES BY CONDITION OR PURPOSE FOUND ON TABLE B.2. ENTER SELECTED MIXTURE(S), APPLICATION RATES, AND SEEDING DATES IN THE PERMANENT SEEDING SUMMARY. THE SUMMARY IS TO BE ALL SEED MUST BE SUBJECT TO RE-TESTING BY A RECOGNIZED SEED CHISEL PLOWS OR RIPPERS MOUNTED ON CONSTRUCTION EQUIPMENT. AFTER THE SOIL IS LABORATORY. ALL SEED USED MUST HAVE BEEN TESTED WITHIN THE 6 MONTHS IMMEDIATELY PRECEDING THE DATE OF SOWING SUCH MATERIAL ON ANY PROJECT. REFER TO TABLE B.4 REGARDING THE QUALITY OF SEED. SEED TAGS MUST BE AVAILABLE UPON REQUEST TO THE INSPECTOR TO VERIFY TYPE OF SEED AND THE TESTING AGENCY SOIL TESTS ARE NOT REQUIRED FOR TEMPORARY SEEDING. PROVISIONS MUST BE MADE FOR DISCHARGING CONCENTRATED FLOW IN A NON-EROSIVE LOOSENED, IT MUST NOT BE ROLLED OR DRAGGED SMOOTH BUT LEFT IN THE ROLLGHENET WHEN STABILIZATION IS REQUIRED OUTSIDE OF A SEEDING SEASON, APPLY SEED AND PLACED ON THE PLAN. CONDITION. SLOPES 3:1 OR FLATTER ARE TO BE TRACKED WITH RIDGES RUNNING PARALLEL TO MULCH OR STRAW MULCH ALONE AS PRESCRIBED IN SECTION B-4-3.A.1.B AND MAINTAIN ADDITIONAL PLANTING SPECIFICATIONS FOR EXCEPTIONAL SITES SUCH AS SHORELINES, STREAM BANKS, OR DUNES OR FOR SPECIAL PURPOSES SUCH AS WILDLIFE OR AESTHETIC WHERE RUNOFF CONCENTRATES ALONG THE TOE OF THE STOCKPILE FILL. AN APPROPRIATE UNTIL THE NEXT SEEDING SEASON. APPLY FERTILIZER AND LIME AS PRESCRIBED ON THE PLANS. EROSION/SEDIMENT CONTROL PRACTICE MUST BE USED TO INTERCEPT THE DISCHARGE. TREATMENT MAY BE FOUND IN USDA-NRCS TECHNICAL FIELD OFFICE GUIDE, SECTION 342 -INCORPORATE LIME AND FERTILIZER INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR STOCKPILES MUST BE STABILIZED IN ACCORDANCE WITH THE 3/7 DAY STABILIZATION . MULCH ALONE MAY BE APPLIED BETWEEN THE FALL AND SPRING SEEDING DATES ONLY IF THE GROUND IS FROZEN. THE APPROPRIATE SEEDING MIXTURE MUST BE APPLIED WHEN THE GROUND THAWS. CRITICAL AREA PLANTING. TEMPORARY SEEDING SUMMARY REQUIREMENT AS WELL AS STANDARD B-4-1 INCREMENTAL STABILIZATION AND STANDARD FOR SITES HAVING DISTURBED AREA OVER 5 ACRES, USE AND SHOW THE RATES CROSS SECTION B-4-4 TEMPORARY STABILIZATION. RECOMMENDED BY THE SOIL TESTING AGENCY. HARDINESS ZONE: 61 IF THE STOCKPILE IS LOCATED ON AN IMPERVIOUS SURFACE, A LINER SHOULD BE PROVIDED BELOW THE STOCKPILE TO FACILITATE CLEANUP. STOCKPILES CONTAINING CONTAMINATED INOCULANTS: THE INOCULANT FOR TREATING LEGUME SEED IN THE SEED MIXTURES MUST BE A PURE CULTURE OF NITROGEN FIXING BACTERIA PREPARED SPECIFICALL d. FOR AREAS RECEIVING LOW MAINTENANCE, APPLY UREA FORM FERTILIZER (46-0-0) AT 3 FFRTH 17FR SEED MIXTURE: 1/2 POUNDS PER 1000 SQUARE FEET (150 POUNDS PER ACRE) AT THE TIME OF SEEDING IN a. A SOIL TEST IS REQUIRED FOR ANY EARTH DISTURBANCE OF 5 ACRES OR MORE. THE MINIMUM RATE LIME RATE MATERIAL MUST BE COVERED WITH IMPERMEABLE SHEETING FOR THE SPECIES. INOCULANTS MUST NOT BE USED LATER THAN THE D STEP 1 ADDITION TO THE SOIL AMENDMENTS SHOWN IN THE PERMANENT SEEDING SUMMARY. SOIL CONDITIONS REQUIRED FOR PERMANENT VEGETATIVE ESTABLISHMENT ARE: SEEDING (10-10-10)SEEDING INDICATED ON THE CONTAINER. ADD FRESH INOCULANTS AS DIRECTED ON THE No. SPECIES DATES PACKAGE, USE FOUR TIMES THE RECOMMENDED RATE WHEN HYDROSEEDING, NOTE: STOCKPILE AREA MUST CONTINUOUSLY MEET THE REQUIREMENTS FOR ADEQUATE VEGETATIVE I. SOIL PH BETWEEN 6.0 AND 7.0. T IS VERY IMPORTANT TO KEEP INOCULANT AS COOL AS POSSIBLE UNTIL USED. STABLISHMENT IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION, SIDE SLOPES TEMPERATURES ABOVE 75 TO 80 DECREES FAHRENHEIT CAN WEAKEN BACTERIA AND MAKE THE INOCULANT LESS EFFECTIVE. Aug. 1 to Oct. 15 0.5 INCHES 40 lb/ac RYEGRASS AREAS WHERE TURFGRASS MAY BE DESIRED INCLUDE LAWNS, PARKS, PLAYGROUNDS, AND II. SOLUBLE SALTS LESS THAN 500 PARTS PER MILLION (PPM). just be maintained at no steeper than a 2:1 ratio. The stockpile area must be kept STAPLE-(10 lb./ (90 lb. COMMERCIAL SITES WHICH WILL RECEIVE A MEDIUM TO HIGH LEVEL OF MAINTENANCE. FREE OF EROSION. IF THE VERTICAL HEIGHT OF A STOCKPILE EXCEEDS 20 FEET FOR 2:1 SLOPES, 1,000 sf) 1.000 sf) FEET FOR 3:1 SLOPES, OR 40 FEET FOR 4:1 SLOPES, BENCHING MUST BE PROVIDED IN SOIL STERILANTS OR CHEMICALS USED FOR WEED CONTROL UNTIL SUFFICIENT TIME III. SOIL CONTAINS LESS THAN 40 PERCENT CLAY BUT ENOUGH FINE GRAINED MATERIAL 2 | PEARL MILLET | 20 lb/ac | May 16 to July 31 | 0.5 INCHES b. SELECT ONE OR MORE OF THE SPECIES OR MIXTURES LISTED BELOW BASED ON THE SITE ACCORDANCE WITH SECTION B-3 LAND GRADING. STAPLE -------STAPLE (GREATER THAN 30 PERCENT SILT PLUS CLAY) TO PROVIDE THE CAPACITY TO HOLD A HAS ELAPSED (14 DAYS MIN.) TO PERMIT DISSIPATION OF PHYTO-TOXIC MATERIALS CONDITIONS OR PURPOSE. ENTER SELECTED MIXTURE(S), APPLICATION RATES, AND SEEDING MODERATE AMOUNT OF MOISTURE. AN EXCEPTION: IF LOVEGRASS WILL BE PLANTED, THEN A DATES IN THE PERMANENT SEEDING SUMMARY. THE SUMMARY IS TO BE PLACED ON THE APPLICATION SANDY SOIL (LESS THAN 30 PERCENT SILT PLUS CLAY) WOULD BE ACCEPTABLE. SEDIMENT CONTROL NOTES DRY SEEDING: THIS INCLUDES USE OF CONVENTIONAL DROP OR BROADCAST IV. SOIL CONTAINS 1.5 PERCENT MINIMUM ORGANIC MATTER BY WEIGHT. A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT STAPLE---KENTUCKY BLUEGRASS: FULL SUN MIXTURE: FOR USE IN AREAS THAT RECEIVE OF INSPECTION, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START JOINING TWO ADJACENT SILT INTENSIVE MANAGEMENT, IRRIGATION REQUIRED IN THE AREAS OF CENTRAL MARYLAND INCORPORATE SEED INTO THE SUBSOIL AT THE RATES PRESCRIBED ON V. SOIL CONTAINS SUFFICIENT PORE SPACE TO PERMIT ADEQUATE ROOT PENETRATION FENCE SECTIONS (TOP VIEW) AND EASTERN SHORE. RECOMMENDED CERTIFIED KENTUCKY BLUEGRASS CULTIVARS TEMPORARY SEEDING TABLE B.1, PERMANENT SEEDING TABLE B.3, O OF ANY CONSTRUCTION. (410-313-1855). DING RATE: 1.5 TO 2.0 POUNDS PER 1000 SQUARE FEET. CHOOSE A MINIMUM OF SITE-SPECIFIC SEFDING SUMMARIES. b. APPLICATION OF AMENDMENTS OR TOPSOIL IS REQUIRED IF ON-SITE SOILS DO NOT MEET THE 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 APPLY SEED IN TWO DIRECTIONS, PERPENDICULAR TO EACH OTHER, APPLY THREE KENTUCKY BLUEGRASS CULTIVARS WITH EACH RANGING FROM 10 TO 35 PERCENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL HALF THE SEEDING RATE IN EACH DIRECTION. ROLL THE SEEDED AREA WITH A MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION 2011 "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" WEIGHTED ROLLER TO PROVIDE GOOD SEED TO SOIL CONTACT. GRADED AREAS MUST BE MAINTAINED IN A TRUE AND EVEN GRADE AS SPECIFIED ON T KENTUCKY BLUEGRASS/PERENNIAL RYE: FULL SUN MIXTURE: FOR USE IN FULL SUN APPROVED PLAN, THEN SCARIFIED OR OTHERWISE LOOSENED TO A DEPTH OF 3 TO 5 INCHES. D. DRILL OR CULTIPACKER SEEDING: MECHANIZED SEEDERS THAT APPLY AND COVER AREAS WHERE RAPID ESTABLISHMENT IS NECESSARY AND WHEN TURF WILL RECEIVE FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY DETAIL E-3 SUPER SILT FENCE -----SSF-----MEDITAL TO INTENSIVE MANAGEMENT CERTIFIED PERFUNIAL RYECRASS. . APPLY SOIL AMENDMENTS AS SPECIFIED ON THE APPROVED PLAN OR AS INDICATED BY THE STABILIZATION SHALL BE COMPLETED WITHIN:

A. 3 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES,
PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, [_]CIP CULTIPACKING SEEDERS ARE REQUIRED TO BURY THE SEED IN SUCH A CULTIVARS/CERTIFIED KENTUCKY BLUEGRASS SEEDING RATE: 2 POUNDS MIXTURE PER 1000 SQUARE FEET. CHOOSE A MINIMUM OF THREE KENTUCKY BLUEGRASS CULTIVARS DETAIL E-9-3 CURB INLET PROTECTION FASHION AS TO PROVIDE AT LEAST 1/4 INCH OF SOIL COVERING. SEEDBED MUST BE FIRM AFTER PLANTING. WITH EACH RANGING FROM 10 TO 35 PERCENT OF THE TOTAL MIXTURE BY WEIGHT. . MIX SOIL AMENDMENTS INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLI B. 7 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE APPLY SEED IN TWO DIRECTIONS, PERPENDICULAR TO EACH OTHER. APPLY MAXIMUM DRAINAGE AREA = 1/4 ACRE MEANS. RAKE LAWN AREAS TO SMOOTH THE SURFACE, REMOVE LARGE OBJECTS LIKE STONES HALF THE SEEDING RATE IN EACH DIRECTION. iii. TALL FESCUE/KENTUCKY BLUEGRASS: FULL SUN MIXTURE: FOR USE IN DROUGHT PRONE AND BRANCHES, AND READY THE AREA FOR SEED APPLICATION. LOOSEN SURFACE SOIL F 2 FT MIN. LENGTH ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN AREAS AND/OR FOR AREAS RECEIVING LOW TO MEDIUM MANAGEMENT IN FULL SUN TO DRAGGING WITH A HEAVY CHAIN OR OTHER EQUIPMENT TO ROUGHEN THE SURFACE WHEI ACCORDANCE WITH THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL HYDROSEEDING: APPLY SEED UNIFORMLY WITH HYDROSEEDER (SLURRY INCLUDES 2 IN x 4 IN WEIR-CONDITIONS WILL NOT PERMIT NORMAL SEEDBED PREPARATION. TRACK SLOPES 3:1 OR FLATTER EROSION AND SEDIMENT CONTROL" FOR PERMANENT SEEDING (Sec. B-4-5), TEMPORARY SEED AND FERTILIZERY WITH TRACKED EQUIPMENT LEAVING THE SOIL IN AN IRREGULAR CONDITION WITH RIDGES RECOMMENDED MIXTURE INCLUDES; CERTIFIED TALL FESCUE CULTIVARS 95 TO 100 F FT MAX. SPACING OF % TO 1% STONE IF FERTILIZER IS BEING APPLIED AT THE TIME OF SEEDING, THE APPLICATION SEEDING (Sec. 8–4–4) AND MULCHING (Sec. 8–4–3). TEMPORARY STABILIZATION WITH RUNNING PARALLEL TO THE CONTOUR OF THE SLOPE. LEAVE THE TOP 1 TO 3 INCHES OF SOIL PERCENT, CERTIFIED KENTUCKY BLUEGRASS CULTIVARS 0 TO 5 PERCENT. SEEDING RATE: MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW RATES SHOULD NOT EXCEED THE FOLLOWING: NITROGEN, 100 POUNDS PER ACRE 5 TO 8 POUNDS PER 1000 SQUARE FEET. ONE OR MORE CULTIVARS MAY BE BLENDED. LOOSE AND FRIABLE. SEEDBED LOOSENING MAY BE UNNECESSARY ON NEWLY DISTURBED AREAS. FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES. TOTAL OF SOLUBLE NITROGEN; P205 (PHOSPHOROUS), 200 POUNDS PER ACRE; K20 (POTASSIUM), 200 POUNDS PER ACRE. iv. KENTUCKY BLUEGRASS/FINE FESCUE: SHADE MIXTURE: FOR USE IN AREAS WITH SHADE ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN i. LIME: USE ONLY GROUND AGRICULTURAL LIMESTONE (UP TO 3 TONS PER IN BLUEGRASS LAWNS. FOR ESTABLISHMENT IN HIGH QUALITY, INTENSIVELY MANAGED GALVANIZED CHAIN LINK FENCE WITH WOVEN SLIT FILM GEOTEXTILE ACRE MAY BE APPLIED BY HYDROSEEDING). NORMALLY, NOT MORE THAN 2 TONS ARE APPLIED BY HYDROSEEDING AT ANY ONE TIME. DO NOT USE BURNT OR 2 IN x 4 IN SPACE TURF AREA. MIXTURE INCLUDES; CERTIFIED KENTUCKY BLUEGRASS CULTIVARS 30 TO 40 OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR. TOPSOIL IS PLACED OVER PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT PERCENT AND CERTIFIED FINE FESCUE AND 60 TO 70 PERCENT. SEEDING RATE: 11/2 VEGETATION. THE PURPOSE IS TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. SOILS OF CONCERN HAVE LOW MOISTURE CONTENT, LOW NUTRIENT LEVELS, LOW PH, MATERIALS HYDRATED LIME WHEN HYDROSEEDING TO 3 POUNDS PER 1000 SQUARE FEET. ELEVATION iii. MIX SEED AND FERTILIZER ON SITE AND SEED IMMEDIATELY AND WITHOUT TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRADATION. iv. When hydroseeding do not incorporate seed into the soil TOTAL AREA OF SITE 2.6± AC. CHAIN LINK FENCING -TOPSOIL SALVAGED FROM AN EXISTING SITE MAY BE USED PROVIDED IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATIONS. TYPICALLY, THE DEPTH OF TOPSOIL TO BE SALVAGED SELECT TURFGRASS VARIETIES FROM THOSE LISTED IN THE MOST CURRENT UNIVERSITY YOVEN SLIT FILM GEOTEXTILE-2.6± AC. AREA DISTURBED 4 2 IN x 4 IN WEIR SECTION A-A OF MARYLAND PUBLICATION, ACRONOMY MEMO #77, "TURFGRASS CULTIVAR FLOW -EDGE OF GUTTER PAN FOR A GIVEN SOIL TYPE CAN BE FOUND IN THE REPRESENTATIVE SOIL PROFILE SECTION IN THE AREA TO BE ROOFED OR PAVED 2.0± AC. RECOMMENDATIONS FOR MARYLAND" SOIL SURVEY PUBLISHED BY USDA-NRCS. AREA TO BE VEGETATIVELY STABILIZED : 0.6± AC. MULCH MATERIALS (IN ORDER OF PREFERENCE) CHOOSE CERTIFIED MATERIAL, CERTIFIED MATERIAL IS THE BEST GUARANTEE OF CONSTRUCTION SPECIFICATIONS 9,000± CY TOPSOILING IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE: CULTIVAR PURITY. THE CERTIFICATION PROGRAM OF THE MARYLAND DEPARTMENT OF STRAW CONSISTING OF THOROUGHLY THRESHED WHEAT, RYE, OAT, OR BARLEY AND REASONABLY BRIGHT IN COLOR. STRAW IS TO BE FREE OF NOXIOUS WEED SEEDS TOTAL FILL 9,000± CY AGRICULTURE, TURF AND SEED SECTION, PROVIDES A RELIABLE MEANS OF CONSUMER CROSS SECTION . THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE PROTECTION AND ASSURES A PURE GENETIC LINE 2. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS. AS SPECIFIED IN THE MARYLAND SEED LAW AND NOT MUSTY, MOLDY, CAKED, DECAYED, OR EXCESSIVELY DUSTY NOTE: USE ONLY STERILE STRAW MULCH IN OFF-SITE WASTE/BORROW AREA LOCATION : CONSTRUCTION SPECIFICATIONS . NAIL THE 2x4 WEIR TO 9 INCH LONG VERTICAL SPACERS (MAXIMUM 6 FEET APART). THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO i. IDEAL TIMES OF SEEDING FOR TURF GRASS MIXTURES AREAS WHERE ONE SPECIES OF GRASS IS DESIRED. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE SUPPORT PLANTS OR FURNISH CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS. THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH. INSTALL 2% INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. DRIVE THE POSTS A MINIMUM OF 36 INCHES INTO THE GROUND. ATTACH A CONTINUOUS PIECE OF X INCH GALVANIZED HARDWARE CLOTH, WITH A MINIMUM WIDTH OF 30 INCHES AND A MINIMUM LENGTH OF 4 FEET LONGER THAN THE THROAT OPENING, TO THE 2x4 Weir, extending it 2 feet beyond throat on each side. WESTERN MD: MARCH 15 TO JUNE 1, AUGUST 1 TO OCTOBER 1 (HARDINESS ZONES: 5B, b. WOOD CELLULOSE FIBER MULCH (WCFM) CONSISTING OF SPECIALLY PREPARED WOOD CELLULOSE PROCESSED INTO A UNIFORM FIBROUS PHYSICAL STATE d. THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE. CENTRAL MD: MARCH 1 TO MAY 15, AUGUST 15 TO OCTOBER 15 (HARDINESS ZONE: 6B) SOUTHERN MD, EASTERN SHORE: MARCH 1 TO MAY 15, AUGUST 15 TO OCTOBER 15 WCFM IS TO BE DYED GREEN OR CONTAIN A GREEN DYE IN THE PACKAGE ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE PLACE A CONTINUOUS PIECE OF NONWOVEN GEOTEXTILE OF THE SAME DIMENSIONS AS THE HARDWAR CLOTH OVER THE HARDWARE CLOTH AND SECURELY ATTACH TO THE 2×4 WEIR. THAT WILL PROVIDE AN APPROPRIATE COLOR TO FACILITATE VISUAL INSPECTION OF THE UNIFORMLY SPREAD SLURRY. FASTEN 9 GAUGE OR HEAVIER GALVANIZED CHAIN LINK FENCE (2% INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURELY TO THE FENCE POSTS WITH WIRE TIES OR HUG RINGS. HOWARD COUNTY SEDIMENT CONTROL INSPECTOR. AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN. . PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL TO 2x4 ANCHORS (MINIMUM 2 FEET LENGTH). EXTEND THE ANCHORS ACROSS THE INLET TOP AND HOLD IN PLACE BY SANDBAGS OR OTHER APPROVED ANCHORING METHOD. . FASTEN WOVEN SUT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, SECURELY TO THE UPSLOPE SIDE OF CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBEO GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 8 INCHES INTO THE GROUND. WCFM, INCLUDING DYE, MUST CONTAIN NO GERMINATION OR GROWTH INHIBITING TOPSOIL SPECIFICATIONS: SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING CRITERIA: TILL AREAS TO RECEIVE SEED BY DISKING OR OTHER APPROVED METHODS TO A DEPTH OF 2 TO 4 INCHES, LEVEL AND RAKE THE AREAS TO PREPARE A PROPER SEEDBED. REMOVE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION O iii. WCFM MATERIALS ARE TO BE MANUFACTURED AND PROCESSED IN SUCH A PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS a. TOPSOIL MUST BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, OR WHERE ENDS OF THE GEOTEXTILE COME TOGETHER, THE ENDS SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED TO PREVENT SEDIMENT BY PASS. INSTALL END SPACERS A MINIMUM OF 1 FOOT BEYOND THE ENDS OF THE THROAT OPENING. MANNER THAT THE WOOD CELLULOSE FIBER MULCH WILL REMAIN IN UNIFORM SUSPENSION IN WATER UNDER AGITATION AND WILL REFIND WITH SEED. STONES AND DEBRIS OVER 1 1/2 INCHES IN DIAMETER. THE RESULTING SEEDBED MUST BE IN LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. TOPSOIL MUST NOT BE FORM THE HARDWARE CLOTH AND THE GEOTEXTILE TO THE CONCRETE GUTTER AND FACE OF CURB TO SPAN THE INLET OPENING. COVER THE HARDWARE CLOTH AND GEOTEXTILE WITH CLEAN % TO 1½ INCH STONE OR EQUIVALENT RECYCLED CONCRETE. MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY I SUCH CONDITION THAT FUTURE MOWING OF GRASSES WILL POSE NO DIFFICULTY EXTEND BOTH ENDS OF THE SUPER SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SUPER SILT FENCE. FERTILIZER AND OTHER ADDITIVES TO FORM A HOMOGENEOUS SLURRY. THE A MIXTURE OF CONTRASTING TEXTURED SUBSOILS AND MUST CONTAIN LESS THAN 5 PERCENT MULCH MATERIAL MUST FORM A BLOTTER-LIKE GROUND COVER, ON k. IF SOIL MOISTURE IS DEFICIENT. SUPPLY NEW SEEDINGS WITH ADEQUATE WATER FOR PLANT BY VOLUME OF CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, APPLICATION, HAVING MOISTURE ABSORPTION AND PERCOLATION PROPERTIES 10. TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO 3 PIPE LENGTHS OR THAT WHICH SHALL BE BACKFILLED AND STABILIZED BY THE END OF EACH WORK DAY, WHICHEVER IS SHORTER. GROWTH (1/2 TO 1 INCH EVERY 3 TO 4 DAYS DEPENDING ON SOIL TEXTURE) UNTIL THEY ARE FIRMLY ESTABLISHED. THIS IS ESPECIALLY TRUE WHEN SEEDINGS ARE MADE LATE IN THE AT NON-SUMP LOCATIONS, INSTALL A TEMPORARY SANDBAG OR ASPHALT BERM TO PREVENT INLET OR OTHER MATERIALS LARGER THAN 1.5 INCHES IN DIAMETER. APPLICATION, HAVING MOISTORE ABSORPTION AND PERCOLATION PROPERTIES
AND MUST COVER AND HOLD GRASS SEED IN CONTACT WITH THE SOIL
WITHOUT INHIBITING THE GROWTH OF THE GRASS SEEDLINGS.
WCFM MATERIAL MUST NOT CONTAIN ELEMENTS OR COMPOUNDS AT
CONCENTRATION LEVELS THAT WILL BE PHYTO-TOXIC.
WCFM MUST CONFORM TO THE FOLLOWING PHYSICAL REQUIREMENTS: FIBER PROVIDE MANUFACTURER CERTIFICATION TO THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS. O. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE. PLANTING SEASON, IN ABNORMALLY DRY OR HOT SEASONS, OR ON ADVERSE SITES. TOPSOIL MUST BE FREE OF NOXIOUS PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL CHAIN LINK FENCING AND GEOTEXTILE. QUACK GRASS, JOHNSON GRASS, NUT SEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED. ANY CHANGES OR REVISIONS TO THE SEQUENCE OF CONSTRUCTION MUST BE REVIEWED AND APPROVED BY THE PLAN APPROVAL AUTHORITY PRIOR TO PROCEEDING WITH CONSTRUCTION. TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED BY A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY, MAY BE USED IN LIEU OF NATURAL TOPSOIL. PERMANENT SEEDING SUMMARY MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL APPROXIMATELY 10 MILLIMETERS, DIAMETER APPROXIMATELY 1 MILLIMETER, PH RANGE OF 4.0 TO 8.5, ASH CONTENT OF 1.6 PERCENT MAXIMUM AND WATER HOLDING CAPACITY OF 90 PERCENT MINIMUM. . A PROJECT IS TO BE SEQUENCED SO THAT THE GRADING ACTIVITIES BEGIN ON ONE GRADING UNIT (MAXIMUM ACREAGE OF 20 AC. PER GRADING UNIT) AT A TIME. WORK MAY PROCEED TO A SUBSEQUENT GRADING UNIT WHEN AT LEAST 50 PERCENT OF THE DISTURBED AREA IN HARDINESS ZONE: 6b U.S. DEPARTMENT OF AGRICULTURE
TURAL RESOURCES CONSERVATION SERVICE MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL FROSION AND SEDIMENT CONTROL 2011 SEED MIXTURE: #9 (Tall Fescue / Kentucky Biuegrass) FERTILIZER THE PRECEDING GRADING UNIT HAS BEEN STABILIZED AND APPROVED BY THE ENFORCEMENT RATE SEQUENCE OF CONSTRUCTION SEEDING (10-20-20) RATE AUTHORITY, UNLESS OTHERWISE SPECIFIED AND APPROVED BY THE APPROVAL AUTHORITY, APPLICATION 1. EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED WHEN APPLYING TOPSOIL SPECIES NO MORE THAN 30 ACRES CUMULATIVELY MAY BE DISTURBED AT A GIVEN TIME. DATES a. APPLY MULCH TO ALL SEEDED AREAS IMMEDIATELY AFTER SEEDING.
b. WHEN STRAW MULCH IS USED, SPREAD IT OVER ALL SEEDED AREAS AT THE RATE
OF 2 TONS PER ACRE TO A UNIFORM LOOSE DEPTH OF 1 TO 2 INCHES. APPLY
MULCH TO ACHIEVE A UNIFORM DISTRIBUTION AND DEPTH SO THAT THE SOIL
SURFACE IS NOT EXPOSED. WHEN USING A MULCH ANCHORING TOOL, INCREASE THE
APPLICATION PATE TO 2.5 TONS DEP ACRE UNIFORMLY DISTRIBUTE TOPSOIL IN A 5 TO 8 INCH LAYER AND LIGHTLY COMPACT TO A MINIMUM APPLY FOR A GRADING PERMIT AND SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE COUNTY SEDIMENT CONTROL INSPECTOR (CSCI). THICKNESS OF 4 INCHES, SPREADING IS TO BE PERFORMED IN SUCH A MANNER THAT SODDING OBTAIN GRADING PERMIT FROM THE CSCI AT THE MEETING. Duration: (1WEEK) *Certified Toll Fescue blend OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND TILLAGE. (95% by weight): Falcon IV, INSTALL THE STABILIZED CONSTRUCTION ENTRANCES (SCE), SILT FENCES (-SF-) AND SUPER SILT FENCES (-SSF-). INSTALL INLET PROTECTION (CIP) ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS Penn 1901 & Rebel Exeda | 6-8 lb/ Mar. 1 to May 15, 1/4 - 1.0 lb/ 1000 90 lb/ IF BASIN 11 ON OPEN SPACE LOT 223 (SEE SHEET 1 "SITE OVERVIEW") HAS NOT BEEN CONVERTED TO A SAND FILTER, OTHERWISE C.I.P. ARE NOT STANDARDS AND SPECIFICATIONS Aug. 15 to Oct. 15 1/2 IN. s.f. 1000 s.f. MUST BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER 1000 s.f. APPLICATION RATE TO 2.5 TONS PER ACRE.

WOOD CELLULOSE FIBER USED AS MULCH MUST BE APPLIED AT A NET DRY WEIGHT OF 1500 POUNDS PER ACRE. MIX THE WOOD CELLULOSE FIBER WITH WATER TO and NECESSARY, UPGRADE OR INSTALL ADDITIONAL SEDIMENT CONTROL MEASURES AS DIRECTED BY THE CSCI. STABILIZED CONSTRUCTION ENTRANCES MAY FOR DUST CONTROL (45 lb/acre) TOPSOIL MUST NOT BE PLACED IF THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE Certified Kentucky Bluegrass BE RELOCATED AT THE DIRECTION OF THE CSCI. (2 WEEKS) blend (5% by weight): OFFINITION CONTROLLING THE SUSPENSION OF DUST PARTICLES FROM CONSTRUCTION ACTIVITIES. ATTAIN A MIXTURE WITH A MAXIMUM OF 50 POUNDS OF WOOD CELLULOSE FIBER BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION. Courtyard, Raven & Yankee EXCAVATE AND GRADE THE SITE FOR HOUSE CONSTRUCTION. PROVIDE DUST CONTROL AS NECESSARY. .CONSTRUCT HOUSES, DRIVEWAYS AND PER 100 GALLONS OF WATER. SIDEWALKS.(18 MONTHS) SOIL AMENDMENTS (FERTILIZER AND LIME SPECIFICATIONS) TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES TO REDUCE ON AND OFF-SITE * Other cultivars listed as "proven" in the most current UMD TT-77 may also be used ANCHORING AS EACH BUILDING IS COMPLETED, STABILIZE ANY REMAINING BARE DIRT AREA WITH PERMANENT SEEDING OR WITH SOD. (1 WEEK) B. SOD: TO PROVIDE QUICK COVER ON DISTURBED AREAS (2:1 GRADE OR FLATTER). SOIL TESTS MUST BE PERFORMED TO DETERMINE THE EXACT RATIOS AND APPLICATION RATES DAMAGE INCLUDING HEALTH AND TRAFFIC HAZARDS. PERFORM MULCH ANCHORING IMMEDIATELY FOLLOWING APPLICATION OF MULCH TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING FOR BOTH LIME AND FERTILIZER ON SITES HAVING DISTURBED AREAS OF 5 ACRES OR MORE. ONCE THE AREA DRAINING TO THE SEDIMENT CONTROL MEASURES HAVE BEEN STABILIZED, OBTAIN PERMISSION FROM THE CSCI TO REMOVE THE 1. GENERAL SPECIFICATIONS SOIL ANALYSIS MAY BE PERFORMED BY A RECOGNIZED PRIVATE OR COMMERCIAL LABORATORY. CONDITIONS WHERE PRACTICE APPLIES

AREAS SUBJECT TO DUST BLOWING AND MOVEMENT WHERE ON AND OFF-SITE DAMAGE IS LIKELY WITHOUT SEDIMENT CONTROL ITEMS. (1 WEEK) METHODS (LISTED BY PREFERENCE), DEPENDING UPON THE SIZE OF THE AREA AND SOIL SAMPLES TAKEN FOR ENGINEERING PURPOSES MAY ALSO BE USED FOR CHEMICAL O. CLASS OF TURFGRASS SOD MUST BE MARYLAND STATE CERTIFIED. SOD LABELS MUST BE EROSION HAZARD:

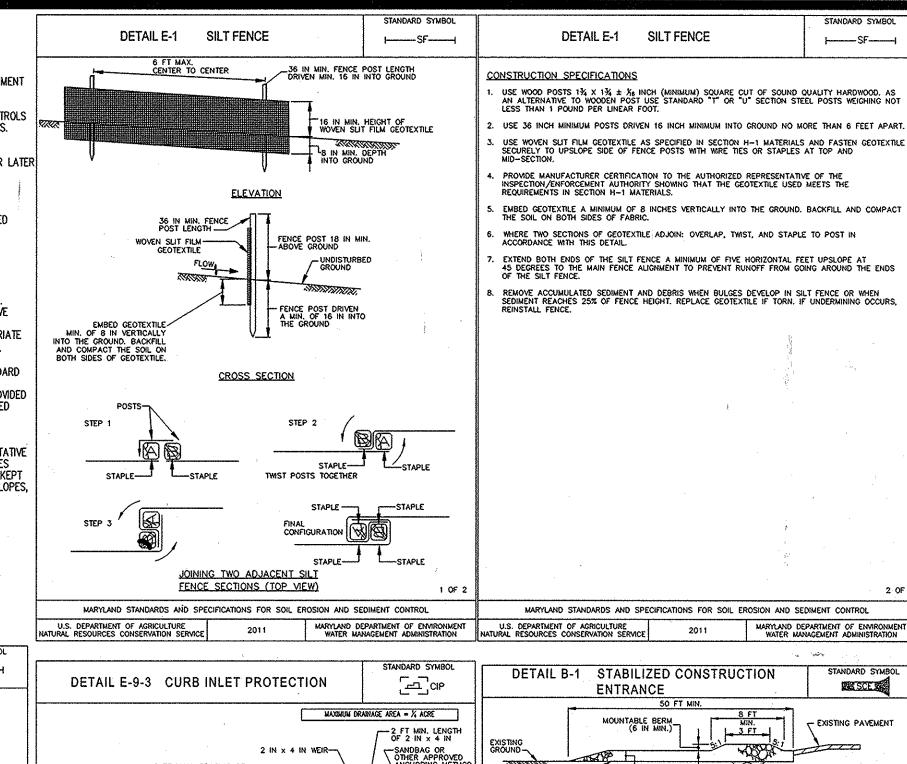
i. A MULCH ANCHORING TOOL IS A TRACTOR DRAWN IMPLEMENT DESIGNED TO
PUNCH AND ANCHOR MULCH INTO THE SOIL SURFACE A MINIMUM OF 2 INCHES.
THIS PRACTICE IS MOST EFFECTIVE ON LARGE AREAS, BUT IS LIMITED TO FLATTER
SLOPES WHERE EQUIPMENT CAN OPERATE SAFELY. IF USED ON SLOPING LAND,
THIS PRACTICE SHOULD FOLLOW THE CONTOUR. OBTAIN INSPECTION FOR RELEASE OF SURETY (FOR GRADING AND LANDSCAPING).(1 WEEK) MADE AVAILABLE TO THE JOB FOREMAN AND INSPECTOR. FERTILIZERS MUST BE UNIFORM IN COMPOSITION, FREE FLOWING AND SUITABLE FOR ACCURATE b. SOD MUST BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 3/4 INCH. PLUS OR MINUS APPLICATION BY APPROPRIATE EQUIPMENT. MANURE MAY BE SUBSTITUTED FOR FERTILIZER WITH OBTAIN USE AND OCCUPANCY PERMIT FOR SETTLEMENT. PRIOR APPROVAL FROM THE APPROPRIATE APPROVAL AUTHORITY, FERTILIZERS MUST ALL BE 1/4 INCH. AT THE TIME OF CUTTING. MEASUREMENT FOR THICKNESS MUST EXCLUDE TOP DELIVERED TO THE SITE FULLY LABELED ACCORDING TO THE APPLICABLE LAWS AND MUST BEAR MULCHES: SEE SECTION 8-4-2 SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS, SECTION 8-4-3 GROWTH AND THATCH. BROKEN PADS AND TORN OR UNEVEN ENDS WILL NOT BE THE NAME, TRADE NAME OR TRADEMARK AND WARRANTY OF THE PRODUCER. SEEDING AND MULCHING, AND SECTION 8-4-4 TEMPORARY STABILIZATION. MULCH MUST BE ANCHORED TO WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. APPLY THE FIBER BINDER AT A NET DRY WEIGHT OF 750 POUNDS PER ACRE. MIX THE WOOD LIME MATERIALS MUST BE GROUND LIMESTONE (HYDRATED OR BURNT LIME MAY BE SUBSTITUTED c. STANDARD SIZE SECTIONS OF SOD MUST BE STRONG ENOUGH TO SUPPORT THEIR OWN PREVENT BLOWING. WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN SUSPENDED VERTICALLY WITH A FIRM GRASP ON THE UPPER 10 PERCENT OF THE SECTION. VEGETATIVE COVER: SEE SECTION 8-4-4 TEMPORARY STABILIZATION. EXCEPT WHEN HYDROSEEDING) WHICH CONTAINS AT LEAST 50 PERCENT TOTAL OXIDES (CALCIUM CELLULOSE FIBER WITH WATER AT A MAXIMUM OF 50 POUNDS OF WOOD TILLAGE: TILL TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE, BEGIN PLOWING ON WINDWARD OXIDE PLUS MAGNESIUM OXIDE). LIMESTONE MUST BE GROUND TO SUCH FINENESS THAT AT LEAST 50 PERCENT WILL PASS THROUGH A #100 MESH SIEVE AND 98 TO 100 PERCENT WILL CELLULOSE FIBER PER 100 GALLONS OF WATER. SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART, SPRING-TOOTHED HARROWS, AND d. SOD MUST NOT BE HARVESTED OR TRANSPLANTED WHEN MOISTURE CONTENT (EXCESSIVELY I. SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRO-TACK), DCA-70, PETROSET, TERRA TAX II, TERRA MANUFACTURER. APPLICATION OF LIQUID PASS THROUGH A #20 MESH SIEVE.

LIME AND FERTILIZER ARE TO BE EVENLY DISTRIBUTED AND INCORPORATED INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEANS. WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, SPREAD GROUND LIMESTONE AT THE AT THE SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT THAT MAY PRODUCE THE DESIRED EFFECT. DRY OR WET) MAY ADVERSELY AFFECT ITS SURVIVAL. TEMPORARY SWM IS PROVIDED BY BASIN 11 ON OPEN SPACE 223 UNDER IRRIGATION: SPRINKLE SITE WITH WATER UNTIL THE SURFACE IS MOIST, REPEAT AS NEEDED. THE SITE e. SOD MUST BE HARVESTED, DELIVERED, AND INSTALLED WITHIN A PERIOD OF 36 HOURS, SOD BINDERS NEEDS TO BE HEAVIER AT THE EDGES WHERE WIND F-13-103.(SEE SHEET 1 "SITE OVERVIEW").IF BASIN 11 HAS BEEN CONVERTED THEN MUST NOT BE IRRIGATED TO THE POINT THAT RUNOFF OCCURS. NOT TRANSPLANTED WITHIN THIS PERIOD MUST BE APPROVED BY AN AGRONOMIST OR SOIL CATCHES MULCH, SUCH AS IN VALLEYS AND ON CRESTS OF BANKS. USE OF NO MORE THAN 2 ACRES CAN BE DISTURBED AT ANY TIME FOR HOUSE BARRIERS: SOLID BOARD FENCES. SILT FENCES, SNOW FENCES, BURLAP FENCES, STRAW BALES, AND SCIENTIST PRIOR TO ITS INSTALLATION. ASPHALT BINDERS IS STRICTLY PROHIBITED. CONSTRUCTION UNDER THIS SDP. SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. iv. LIGHTWEIGHT PLASTIC NETTING MAY BE STAPLED OVER THE MULCH ACCORDING TO MANUFACTURER RECOMMENDATIONS. NETTING IS USUALLY AVAILABLE IN ROLLS 4 TO 15 FEET WIDE AND 300 TO 3,000 FEET LONG. RATE OF 4 TO 8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL. CHEMICAL TREATMENT: USE OF CHEMICAL TREATMENT REQUIRES APPROVAL BY THE APPROPRIATE PLAN 2. SOD INSTALLATION IF HOUSE CONSTRUCTION IS CONCURRENT WITH ROAD CONSTRUCTION, COORDINATE O. DURING PERIODS OF EXCESSIVELY HIGH TEMPERATURE OR IN AREAS HAVING DRY SUBSOIL. THE WORK ON THESE PLANS WITH F-13-103. LIGHTLY IRRIGATE THE SUBSOIL IMMEDIATELY PRIOR TO LAYING THE SOD. b. LAY THE FIRST ROW OF SOD IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACED THERE WILL BE TEMPORARY STOCKPILES ON ADJACENT LOTS AS EACH STICK PARALLEL TO IT AND TIGHTLY WEDGED AGAINST EACH OTHER. STAGGER LATERAL JOINTS TO UNDERGOES CONSTRUCTION. THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT PROMOTE MORE UNIFORM GROWTH AND STRENGTH. ENSURE THAT SOD IS NOT STRETCHED OR CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. OVERLAPPED AND THAT ALL JOINTS ARE BUTTED TIGHT IN ORDER TO PREVENT VOIDS WHICH SOILS SHOWN ARE PER-DEVELOPMENT CONDITION. THE SITE WAS MASS GRADED WOULD CAUSE AIR DRYING OF THE ROOTS.
WHEREVER POSSIBLE, LAY SOD WITH THE LONG EDGES PARALLEL TO THE CONTOUR AND WITH STAGGERING JOINTS. ROLL AND TAMP, PEG OR OTHERWISE SECURE THE SOD TO PREVENT SLIPPAGE ON SLOPES. ENSURE SOLID CONTACT EXISTS BETWEEN SOD ROOTS AND THE UNER F-13-103 AND ALL SOILS WILL BE CONSIDERED "MAN MADE". SEEDING AND STABILIZATION IS TO BE PERFORMED AT THE DIRECTION OF THE UNDERLYING SOIL SURFACE SEDIMENT CONTROL INSPECTOR OR IN COMPLIANCE WITH THE STANDARD SEEDING WATER THE SOD IMMEDIATELY FOLLOWING ROLLING AND TAMPING UNTIL THE UNDERSIDE OF AND STABILIZATION NOTES WHICHEVER IS MORE RESTRICTIVE. THE NEW SOD PAD AND SOIL SURFACE BELOW THE SOD ARE THOROUGHLY WET. COMPLETE THE OPERATIONS OF LAYING, TAMPING AND IRRIGATING FOR ANY PIECE OF SOD WITHIN EIGHT STANDARD SILT FENCE CAN BE CHANGED TO SUPER SILT FENCE AT THE DIRECTION OF THE SEDIMENT CONTROL INSPECTOR. ENGINEER'S CERTIFICATE BUILDER'S CERTIFICATE 3. SOD MAINTENANCE APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING IN THE ABSENCE OF ADEQUATE RAINFALL, WATER DAILY DURING THE FIRST WEEK OR AS OFTEN AND SUFFICIENTLY AS NECESSARY TO MAINTAIN MOIST SOIL TO A DEPTH OF 4 INCHES. WATER SOD DURING THE HEAT OF THE DAY TO PREVENT WILTING.
 AFTER THE FIRST WEEK, SOD WATERING IS REQUIRED AS NECESSARY TO MAINTAIN ADEQUATE "I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS "I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND DEPARTMENT OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT." THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND MOISTURE CONTENT. EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE c. DO NOT MOW UNTIL THE SOD IS FIRMLY ROOTED. NO MORE THAN 1/3 OF THE GRASS LEAF 4-0215 MUST BE REMOVED BY THE INITIAL CUTTING OR SUBSEQUENT CUTTINGS. MAINTAIN A GRASS HEIGHT OF AT LEAST 3 INCHES UNLESS OTHERWISE SPECIFIED. hief, Division of Land Development **NH** 4.2.15 THIS PLAN IS FOR SEDIMENT CONTROL PURPOSES ONLY Chief, Development Engineering Division 🛵 PREPARED FOR: (REVISED) SEDIMENT CONTROL NOTES and DETAILS GLWGUTSCHICK LITTLE & WEBER, P.A. OF MARL PROFESSIONAL CERTIFICATION PROPERTY OWNER/BUILDER
PULTE GROUP HEREBY CERTIFY THAT THESE PLANS CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS WERE PREPARED OR APPROVED BY WINCOPIA FARMS 10600 ARROWHEAD DRIVE 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK ME, AND THAT I AM A DULY LICENSED SUITE 225 PROFESSIONAL ENGINEER UNDER THE BURTONSVILLE, MARYLAND 20866 LOT Nos. 131-179 FAIRFAX, VA. 22030 LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12975_____, TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186 PH: 703-934-9367 EXPIRATION DATE: MAY 26, 2016

ATTN.: DON HUGHES

BY APP'R.

REVISION



PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. PROVIDE PIPE AS SPECIFED ON APPROVED PLAN. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT LOCATED AT A HIGH SPOT. PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIAL PLACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SCE. MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT, ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE. MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

SCALE ZONING G. L. W. FILE No. NO SCALE TAX MAP - GRID SHEET (SFA RESIDENTIAL USE) PLAT No. 22738 OF 10 HOWARD COUNTY, MARYLAND

-EARTH FILL

PROFILE

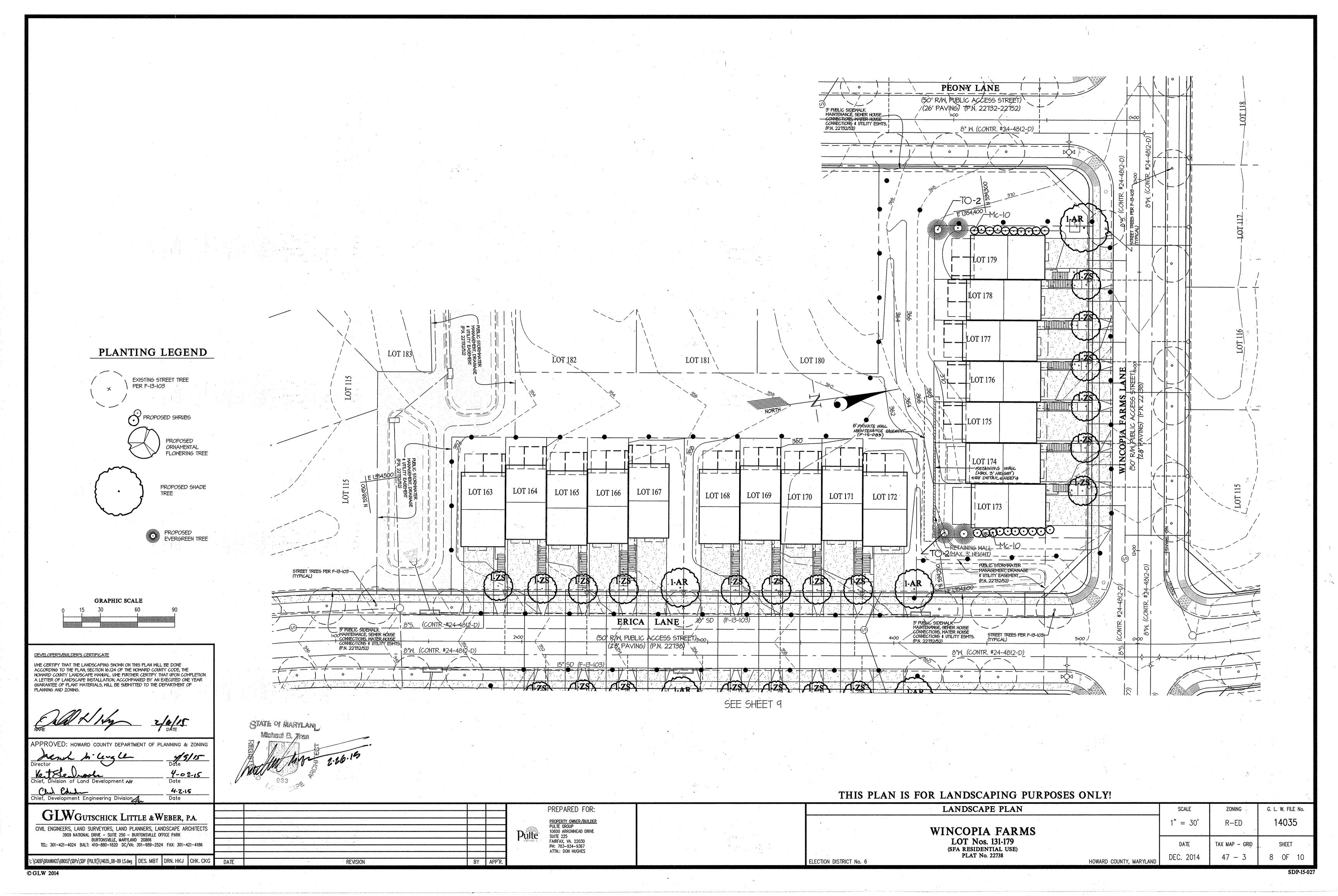
PLAN VIEW

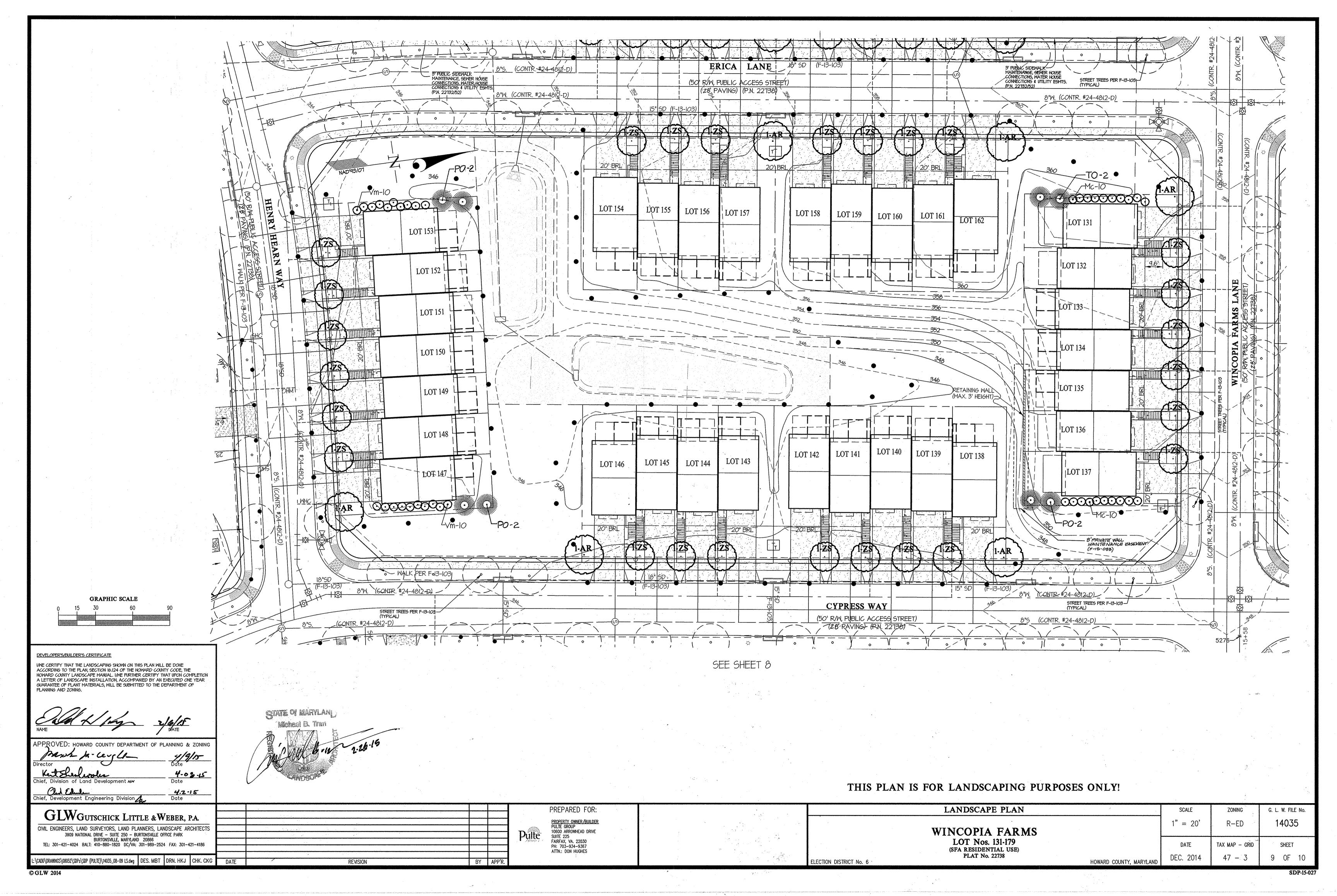
PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50 FEET (*30 FEET

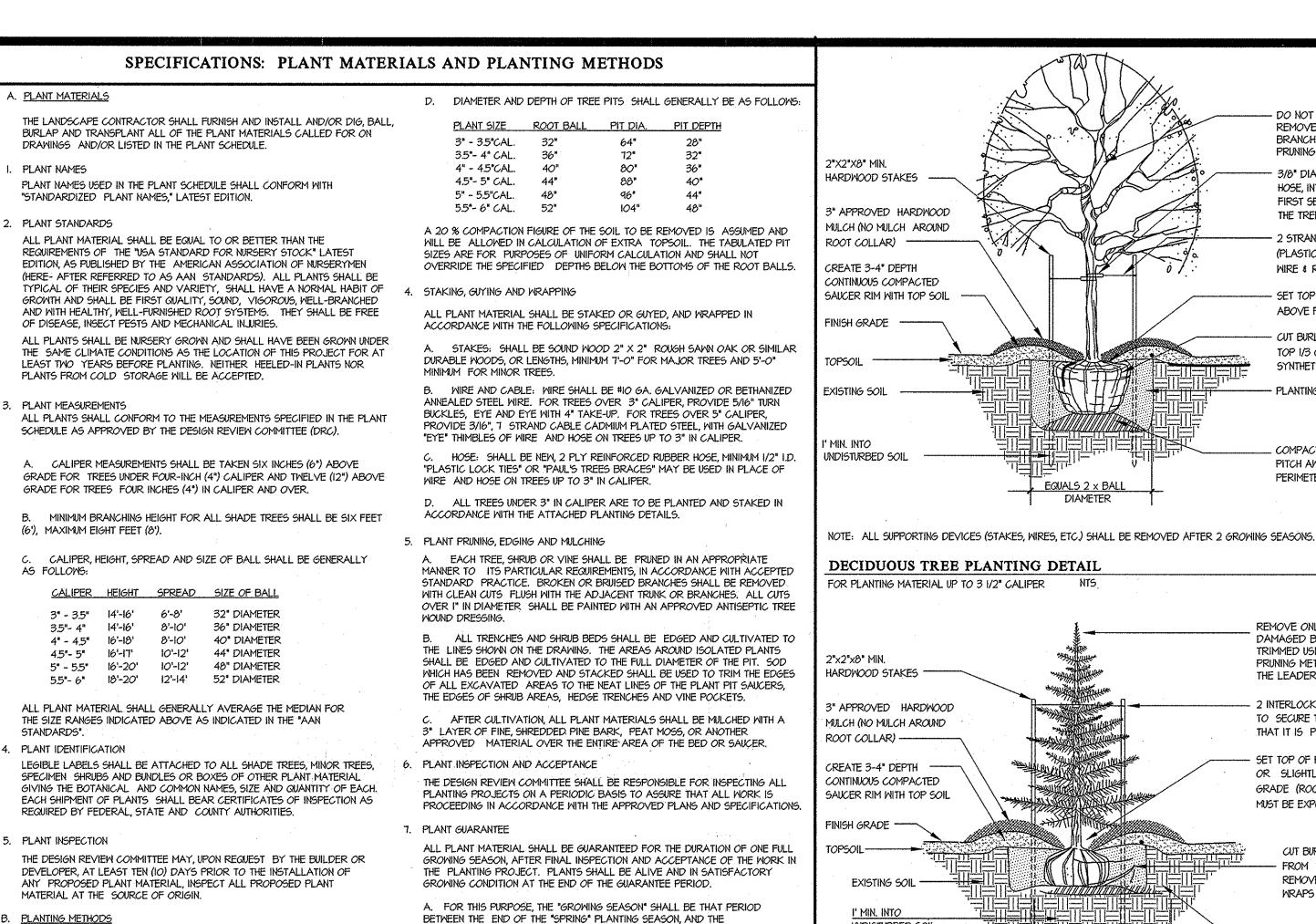
FOR SINGLE RESIDENCE LOT). USE MINIMUM WIDTH OF 10 FEET. FLARE SCE 10 FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.

ENGTH

-PIPE (SEE NOTE 6)







BETWEEN THE END OF THE "SPRING" PLANTING SEASON, AND THE

B. GUARANTEE FOR PLANTING PERFORMED AFTER THE SPECIFIED END OF THE

GUIDELINES FOR BALTIMORE-WASHINGTON METROPOLITAN AREAS" LATEST

EDITION, APPROVED BY THE LANDSCAPE CONTRACTORS ASSOCIATION OF

METROPOLITAN WASHINGTON AND THE AMERICAN SOCIETY OF LANDSCAPE

THAN 18" WIDE X 4" LONG. PROVIDE SOD COMPOSED PRINCIPALLY OF

IMPROVED STRAIN KENTUCKY BLUEGRASS, SUCH AS, COLUMBIA, VICTA, OR

HOWARD COUNTY CODE OF THE HOWARD COUNTY LANDSCAPE MANUAL.

FIELD VERIFY UNDERGROUND UTILITY LOCATIONS AND EXISTING CONDITIONS

OF THE CONTRACTOR ONLY. IF DISCREPANCIES EXIST BETWEEN QUANTITIES

ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES BUT NOT OTHERWISE

THE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING IF HE/SHE ENCOUNTERS SOIL DRAINAGE CONDITIONS WHICH MAY BE DETRIMENTAL TO THE GROWTH OF THE

ALL EXPOSED EARTH WITHIN LIMITS OF PLANTING BEDS SHALL BE MULCHED WITH

SCHEDULES "A" AND "C" ARE PROVIDED FOR LANDSCAPE SURETY CALCULATION

PURPOSES. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING SHALL BE

AT THE TIME OF PLANT INSTALLATION, ALL SHRUBS AND TREES LISTED AND APPROVED ON THE LANDSCAPE PLAN, SHALL COMPLY WITH THE PROPER HEIGHT REQUIREMENT IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELOCATIONS OF THE REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING, ANY DEVIATION FROM THE APPROVED LANDSCAPE PLAN MAY RESULT IN DENIAL OR DELAY IN THE RELEASE OF LANDSCAPE SURETY UNTIL SUCH TIME AS ALL REQUIRED MATERIALS ARE PLANTED AND/OR REVISIONS ARE

THE OWNER, TENANTS AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING INCLUDING BOTH PLANT MATERIALS AND BERMS, FENCES AND WALLS, ALL PLANT MATERIALS SHALL BE

MAINTAINED IN GOOD GROWING CONDITION, AND WHEN NECESSARY REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE

REGULATIONS. ALL OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REQUIRED OR

DO NOT PLANT WITHIN THE PUBLIC WATER, SEWER, OR UTILITY EASEMENTS.

POSTED WITH THE GRADING PERMITS IN THE AMOUNT OF \$ 18300.00

AND CONFORM TO THE A.A.N. SPECIFICATIONS, AND BE INSTALLED IN

BEFORE STARTING PLANTING WORK, CONTACT ENGINEER / LANDSCAPE

ARCHITECT IF ANY RELOCATIONS ARE REQUIRED.

ACCORDANCE WITH PROJECT SPECIFICATIONS.

SHREDDED HARDWOOD MULCH PER PLANTING DETAILS.

THE PLAN SHALL TAKE PRECEDENCE.

WITH THE PROJECT SPECIFICATIONS."

MADE TO THE APPLICABLE PLANS.

COMMENCEMENT OF THE "FALL" PLANTING SEASON.

FOLLOWING "SPRING" PLANTING SEASON.

LANDSCAPING NOTES

ON SHEET I SHALL APPLY.

REMOVE ONLY DEAD BRANCHES DAMAGED BRANCHES MAY BE TRIMMED USING APPROPRIATE PRUNING METHODS. DO NOT CUT THE LEADER. - 2 INTERLOCKING PLASTIC TIES " APPROVED HARDWOOD TO SECURE THE TREE SO THAT IT IS PLUMBED. - SET TOP OF ROOT BALL AT OR SLIGHTLY ABOVE FINISH GRADE (ROOT COLLAR MUST BE EXPOSED) CUT BURLAP & WIRE BASKETS - FROM TOP 1/3 OF ROOT BALL REMOVE ALL SYNTHETIC WRAPS & TWINES ENTIRELY UNDISTURBED SOIL - PLANTING BACKFILL MIXTURE "SPRING" PLANTING SEASON, SHALL BE EXTENDED THROUGH THE END OF THE NEXT EQUALS 2 x BALL

EQUALS 2 x BALL

- DO NOT CUT CENTRAL LEADER,

BRANCHES BY APPROPRIATE

PRUNING METHODS.

WIRE & RUBBER HOSE)

REMOVE ANY DEAD OR DAMAGED

3/8" DIA. REINFORCED BLACK RUBBER

HOSE, INTERLOCKED. POSITION ABOVE

2 STRANDS 14-GA GALV. WIRE TWISTED

(PLASTIC TIES MAY BE USED INSTEAD O

SET TOP OF ROOT BALL AT OR SLIGHTL

ABOVE FINISH GRADE (NO MORE THAN 3

CUT BURLAP & WIRE BASKETS FROM

TOP 1/3 OF ROOT BALL REMOVE ALL

PLANTING BACKFILL MIXTURE

COMPACT SOIL MIX BELOW BALL

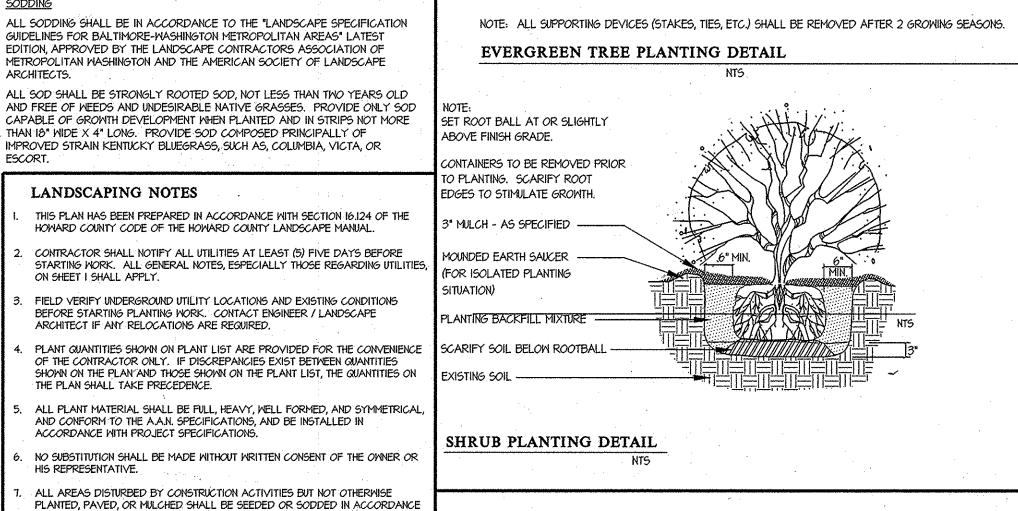
PITCH AWAY FROM BALL TO

PERIMETER OF PLANTING PIT.

SYNTHETIC WRAPS & TWINES ENTIRELY

FIRST SET OF BRANCHES TO SECURE

THE TREE SO THAT IT IS PLUMBED.



							,
SCHEDULE A	LOT 131	LOT 137	LOT 147	LOT 153	LOT 173	LOT 179	
PERIMETER LANDSCAPE CATEGORY	BUFFER SIDE BUILDING FROM PUBLIC ROADWAY	A					
BUFFER TYPE	(1:40 SHADE TREES, 1:20 EVGR. TREES)	·					
SIDE/REAR BUILDING LENGTH	40	40	40	40	40	40	
CREDIT FOR EXISTING VEGETATION (YES/NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NONE	NONE	NONE	NONE	NONE	NONE	
CREDIT FOR WALL, FENCE, OR BERM (YES/NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NONE	NONE	NONE	NONE	NONE	NONE	TOTAL
PLANTINGS REQUIRED SHADE TREES EVERGREEN TREES SHRUBS	1 2 0	1 2 0	 2 0	 2 0	1 2 0	1 2 0	6 12 · 0
PLANTINGS PROVIDED SHADE TREES EVERGREEN TREES OTHER TREES SHRUBS SUBSTITUTIONS OTHER (2:1 SUB.)	0 2 0 10	0 2 0 IO	0 2 0 10	0 2 0 10	0 2 0 10	0 2 0 IO	0 12 0 60
SHRUBS (IO:1 SUB.)				4	(,	,
						-	

	PLA	NT LIS	<u> </u>							
SYMBOL	QTY.	TYPE	NAMES (BOTANICAL / SCIENTIFIC)	SIZE/COMMENTS						
~~~~	SHADE TREES									
$\{\cdot\}$	9	AR ·	ACER RUBRUM 'RED SUNSET' / RED SUNSET MAPLE	2 ½"-3" CAL. MIN.						
	40	ZS	ZELKOVA SERRATA'YILLAGE GREEN'/VILLAGE GREEN JAPANESE ZELKOVA	2 ½"-3" CAL. MIN.						
O	EVE	EVERGREEN TREES								
		TO	THUGA OCCIDENTALIS/ SUNKIST ARBORVITAE	6'-8' HT.						
		. PO	PICEA OMORIKA/ SERBIAN SPRUCE	6'-8' HT.						
	40	Mc	MAHONIA AQUIFOLIUM 'COMPACTA' / COMPACT OREGON GRAPE HOLLY	24"- 30" MIN. SPREAD						
0	20	∨m	VIBURNUM LANTANA 'MOHICAN' / MOHICAN VIBURNUM	24"- 30" MIN. SPREAD						

SCHEDULE-C: RESIDENTIAL	INTERNAL LANDSCAPING
NUMBER OF DWELLING UNITS	49
NUMBER OF TREES REQUIRED (I PER SFA DU, I PER 3 APTS DU)	49
NUMBER OF TREES PROVIDED SHADE TREES	49
SHRUBS (10:1 SUBSTITUTION)	0

	SCHEDULES			TOTAL OF EACH	SURETY/PLANT	TOTAL SURETY FO	
PLANT TYPE	A	В	C	PLANT TYPE	REQUIRED	EACH PLANT TYP	
SHADE TREES	6	0	49	49	\$300.00	\$14,700.00	
EVERGREEN TREES	12	0	0	12	\$150.00	\$1,800.00	
SHRUBS	0	0	60	60	\$30.00	\$1,800.00	
SHRUBS	0	0	60	60 TOTAL SURE		· · · · · · · · · · · · · · · · · · ·	

### DEVELOPER'S/BUILDER'S CERTIFICATE

DEPTH MINIMUM.

FOLLOWING:

PLANTING SEASONS

TOPSOIL PLANTING MIXTURES ARE USED.

ACCORDANCE WITH THE "AAN STANDARDS".

SET FORTH IN THE FOLLOWING SCHEDULE.

3. EXCAVATION OF PLANT PITS

I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE, THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION A LETTER OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

ALL PROPOSED PLANT MATERIALS THAT MEET THE SPECIFICATIONS IN

SECTION A ARE TO BE PLANTED IN ACCORDANCE WITH THE FOLLOWING

METHODS DURING THE PROPER PLANTING SEASONS AS DESCRIBED IN THE

THE PLANTING OF DECIDUOUS TREES, SHRUBS AND VINES SHALL BE FROM

MARCH IST TO JUNE 15TH AND FROM SEPTEMBER 15TH TO DECEMBER 15TH.

THE PLANTING OF EVERGREEN MATERIAL SHALL BE FROM MARCH 15TH TO

JUNE 15TH AND FROM AUGUST 15TH TO DECEMBER 1ST. NO PLANTING SHALL

BE DONE WHEN THE GROUND IS FROZEN OR EXCESSIVELY MOIST. NO

ALL PLANT MATERIAL SHALL BE DUG, BALLED AND BURLAPPED (B&B) IN

THE LANDSCAPING CONTRACTOR SHALL EXCAVATE ALL PLANT PITS, VINE PITS,

A. LOCATIONS OF ALL PROPOSED PLANT MATERIAL SHALL BE STAKED AND

APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT BEFORE ANY OF THE

PROPOSED PLANT MATERIAL IS INSTALLED BY THE LANDSCAPE CONTRACTOR.

B. ALL PITS SHALL BE GENERALLY CIRCULAR IN OUTLINE, VERTICAL SIDES;

DEPTH SHALL NOT BE LESS THAN 6" DEEPER THAN THE ROOT BALL, DIAMETER

C. IF AREAS ARE DESIGNATED AS SHRUB BEDS OR HEDGE TRENCHES, THEY SHALL BE EXCAVATED TO AT LEAST 18" DEPTH MINIMUM. AREAS DESIGNATED

FOR GROUND COVERS AND VINES SHALL BE EXCAVATED TO AT LEAST 12" IN

SHALL NOT BE LESS THAN TWO TIMES THE DIAMETER OF THE ROOT BALL AS

HEDGE TRENCHES AND SHRUB BEDS IN ACCORDANCE WITH THE FOLLOWING

FROZEN OR WET TOPSOIL SHALL BE USED AT ANY TIME.

PLANTING OF DECIDUOUS MATERIAL MAY BE CONTINUED DURING THE WINTER MONTHS PROVIDING THERE IS NO FROST IN THE GROUND AND FROST-FREE

PPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING rank po levell.

Chief, Development Engineering Division ⊿

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# FOR LANDSCAPE INSPECTION TO OBTAIN THE RELEASE OF THE SURETY, CONTACT HOWARD COUNTY DEPT. OF PLANNING & ZONING AT 410-313-2350.

## GLWGUTSCHICK LITTLE & WEBER, P.A.

CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK BURTONSVILLE, MARYLAND 20866 TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

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DATE	REVISION	BY	APP'R.

PREPARED FOR: 10600 ARROWHEAD DRIVE SUITE 225 FAIRFAX, VA. 22030 PH: 703-934-9367 ATTN.: DON HUGHES

LANDSCAPE DETAIL SHEET AS SHOWN WINCOPIA FARMS LOT Nos. 131-179 (SFA RESIDENTIAL USE) PLAT No. 22738 HOWARD COUNTY, MARYLAND ELECTION DISTRICT No. 6

G. L. W. FILE No.

TAX MAP - GRID