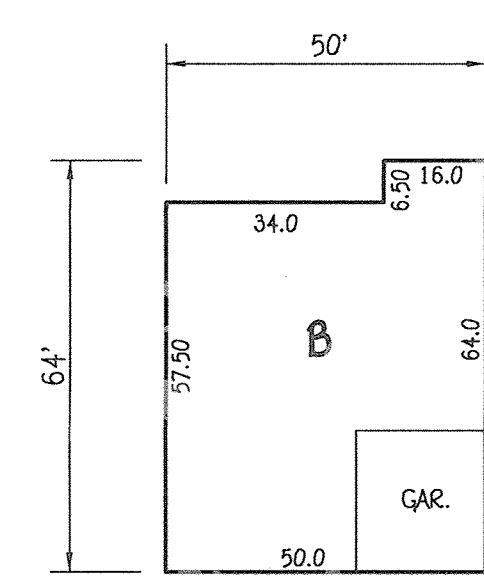
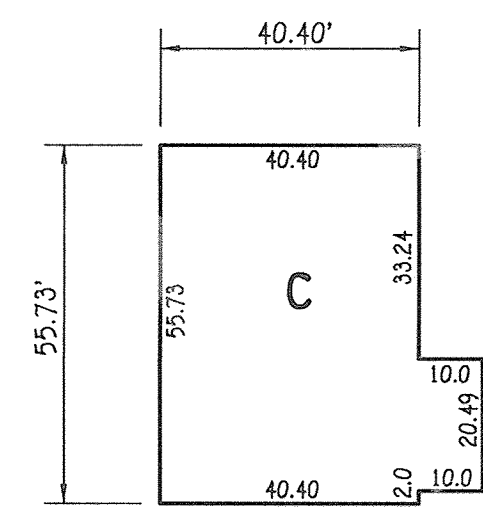


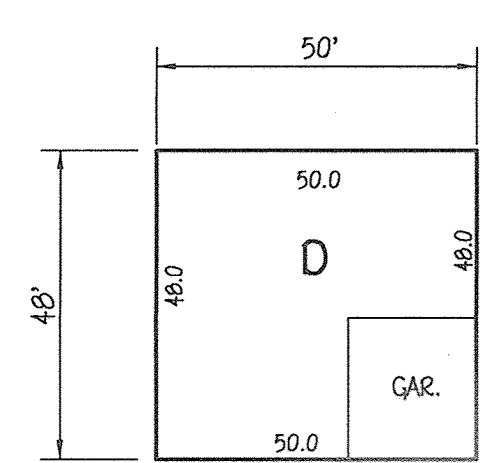
AUGUSTA  
NO 3 CAR GAR.  
NOTTINGHAM  
NO 3 CAR GAR.  
OXFORD  
NO 3 CAR GAR.  
PEMBROOKE  
NO 3 CAR GAR.



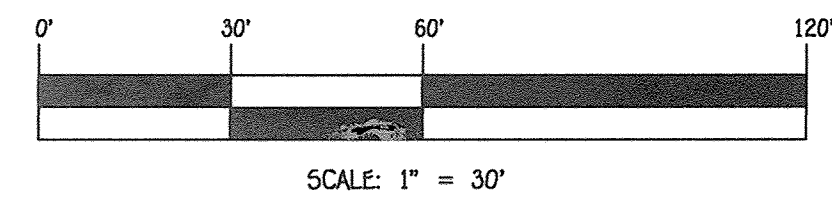
AUGUSTA  
W/ALL OPTIONS  
BROOKVIEW  
W/ALL OPTIONS  
COOPER  
W/ALL OPTIONS  
FEDERALSBURG  
W/ALL OPTIONS  
KINGSTON  
W/ALL OPTIONS  
LEXINGTON  
W/ALL OPTIONS  
NOTTINGHAM  
W/ALL OPTIONS  
OXFORD  
W/ALL OPTIONS  
PEMBROOKE  
W/ALL OPTIONS



AUGUSTA  
W/ALL OPTIONS  
NOTTINGHAM  
W/ALL OPTIONS  
OXFORD  
W/ALL OPTIONS  
PEMBROOKE  
W/ALL OPTIONS



BROOKVIEW  
W/ALL OPTIONS  
KINGSTON  
W/ALL OPTIONS  
LEXINGTON  
W/ALL OPTIONS  
NOTTINGHAM  
W/ALL OPTIONS  
OXFORD  
W/ALL OPTIONS  
PEMBROOKE  
W/ALL OPTIONS  
FEDERALSBURG  
(R.V. F.H. DOES NOT FIT)  
(REAR EXTENSION DOES NOT FIT)



**PROFESSIONAL CERTIFICATION**

"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, 7/14/19.

*Handwritten signature and date: 6/11/18*

**OWNER**

**DEVELOPER**

TIERNY FARMS-CLARKSVILLE, LP.  
24151 VENTURA BOULEVARD  
CALABASAS, CALIFORNIA 91302  
818-365-3697

BEAZER HOMES, LLC.  
8965 GULFROAD ROAD  
COLUMBIA, MD 21046  
ATTN: MR. BRIAN KNAUFF  
443-339-9249

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Handwritten signature and date: 7-19-18*  
Chief, Division of Land Development

*Handwritten signature and date: 7-11-18*  
Chief, Development Engineering Division

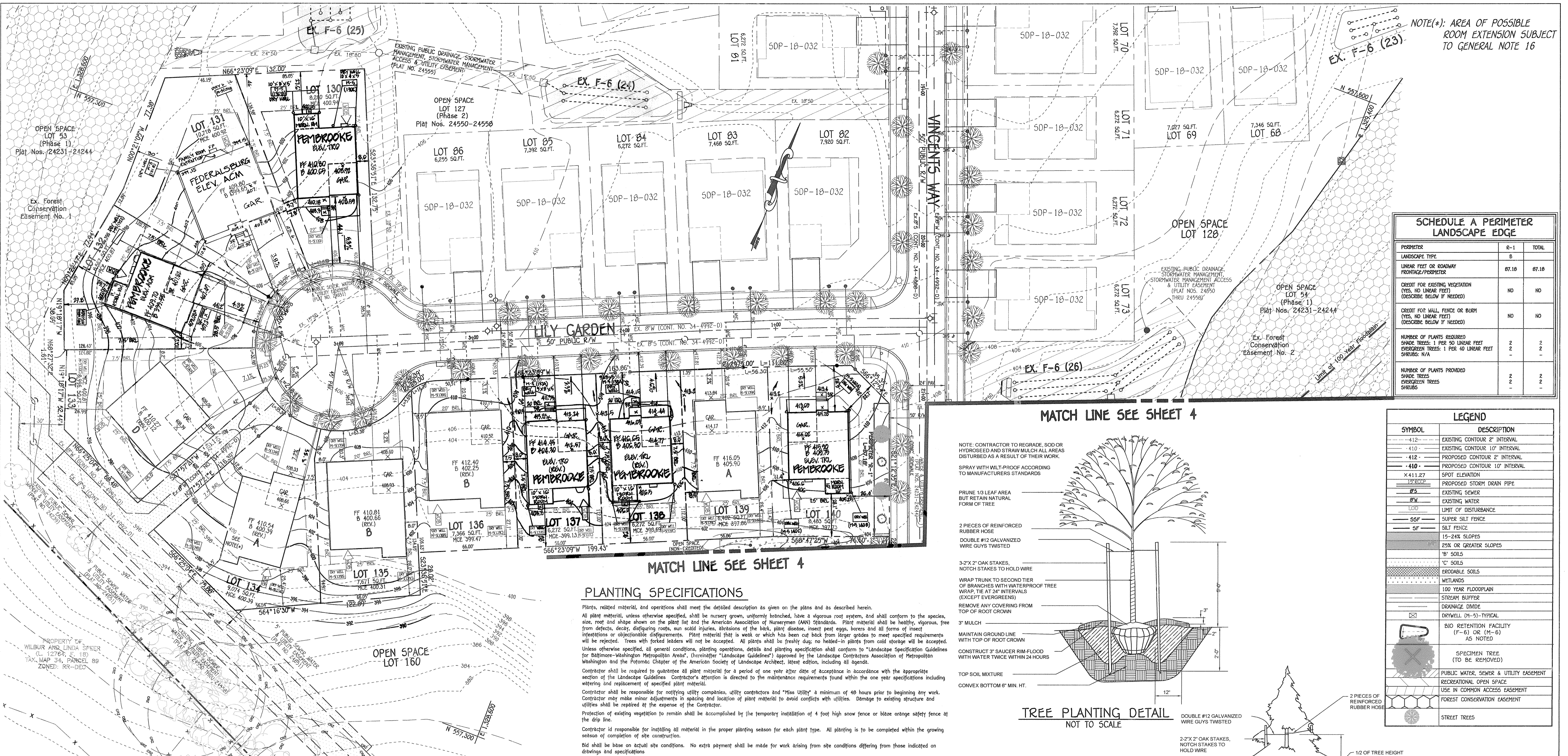
*Handwritten signature and date: 7-24-18*  
Director - Department of Planning and Zoning

PROJECT	ENCLAVE AT RIVER HILL	PHASE	3	PARCEL NO.	88
PLAT	24650 - 24653	BLOCK NO.	18	ZONE	R-ED
TAX/ZONE	34	ELEC. DIST.	5	CENSUS TR.	605102

PREVIOUS HOWARD COUNTY FILES:  
ECP-15-005, PB CASE NO. 409, SP-15-006, WP-15-069, WP-16-152, F-15-110,  
F-17-003, F-18-031, S0P-17-013, S0P-17-014 & S0P-18-032

**GENERIC BOXES AND HOUSE TYPES**

SINGLE FAMILY HOUSES  
**ENCLAVE AT RIVER HILL**  
LOTS 130 THRU 159 AND PARTS OF OPEN SPACE LOTS 128 AND 160  
PHASE 3  
PREVIOUS HOWARD COUNTY FILES:  
ECP-15-005, PB CASE NO. 409, SP-15-006, WP-15-069, WP-16-152, F-15-110,  
F-17-003, F-18-031, S0P-17-013, S0P-17-014 & S0P-18-032  
ZONED: R-ED  
TAX MAP NO.: 34 PARCEL NOS.: 88 GRID NO.: 18  
FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: AS SHOWN DATE: JUNE, 2018  
SHEET 2 OF 8



NOTE(\*): AREA OF POSSIBLE ROOM EXTENSION SUBJECT TO GENERAL NOTE 16

SCHEDULE A PERIMETER LANDSCAPE EDGE		
PERIMETER	R-1	TOTAL
LANDSCAPE TYPE	B	
LINEAR FEET OR ROADWAY FRONTAGE/PERIMETER	87.18	87.18
CREDIT FOR EXISTING VEGETATION (YES, NO LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO
CREDIT FOR WALL, FENCE OR BERM (YES, NO LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO
NUMBER OF PLANTS REQUIRED		
SHADE TREES: 1 PER 50 LINEAR FEET	2	2
EVERGREEN TREES: 1 PER 40 LINEAR FEET	2	2
SHRUBS: N/A	-	-
NUMBER OF PLANTS PROVIDED		
SHADE TREES	2	2
EVERGREEN TREES	2	2
SHRUBS	-	-

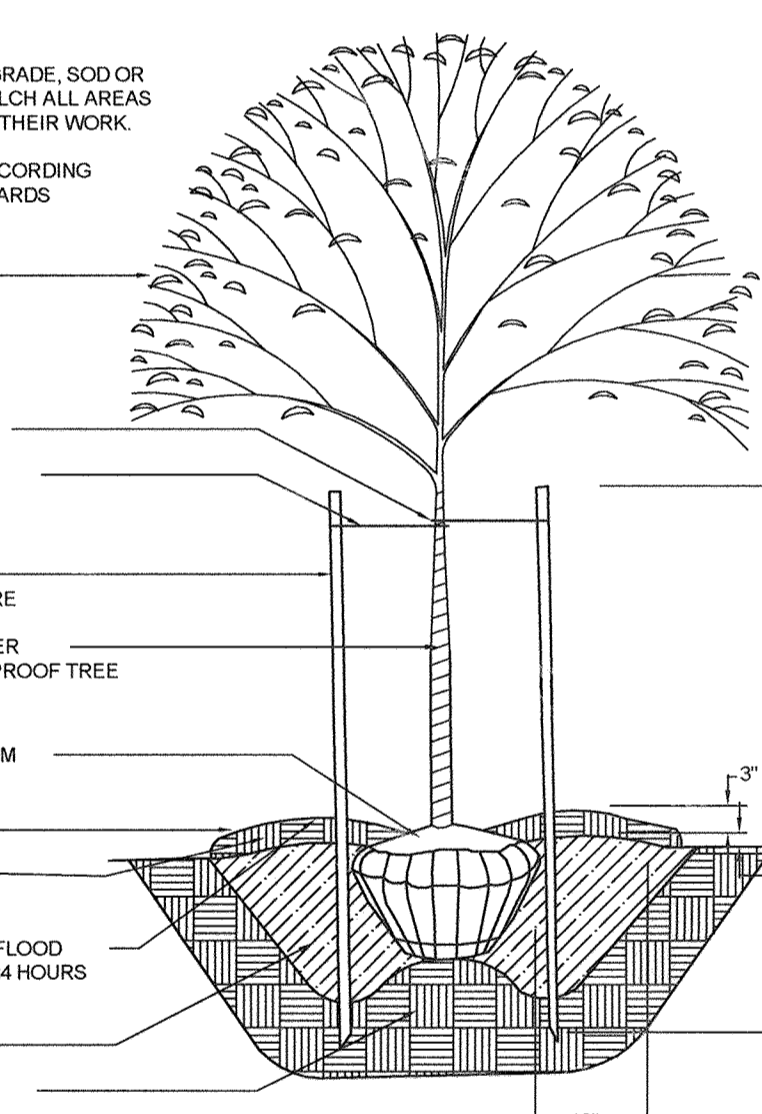
MATCH LINE SEE SHEET 4

NOTE: CONTRACTOR TO REGRADE, SOD OR HYDROSEED AND STRAW MULCH ALL AREAS DISTURBED AS A RESULT OF THEIR WORK. SPRAY WITH WILT-PROOF ACCORDING TO MANUFACTURERS STANDARDS

PRUNE 1/3 LEAF AREA BUT RETAIN NATURAL FORM OF TREE  
2 PIECES OF REINFORCED RUBBER HOSE  
DOUBLE #12 GALVANIZED WIRE GUYS TWISTED

3-2" X 2" OAK STAKES, NOTCH STAKES TO HOLD WIRE  
WRAP TRUNK TO SECOND TIER OF BRANCHES WITH WATERPROOF TREE WRAP, TIE AT 2' INTERVALS (EXCEPT EVERGREENS)  
REMOVE ANY COVERING FROM TOP OF ROOT CROWN

3" MULCH  
MAINTAIN GROUND LINE WITH TOP OF ROOT CROWN  
CONSTRUCT 3" SAUCER RIM-FLOOD WITH WATER TWICE WITHIN 24 HOURS  
TOP SOIL MIXTURE  
CONVEX BOTTOM 6" MIN. HT.



TREE PLANTING DETAIL NOT TO SCALE

MATCH LINE SEE SHEET 4

PLANTING SPECIFICATIONS

Plants, related material, and operations shall meet the detailed description as given on the plans and as described herein. All plant material, unless otherwise specified, shall be nursery grown, uniformly branched, have a vigorous root system, and shall conform to the species, size, root and shape shown on the plant list and the American Association of Nurserymen (AAN) Standards. Plant material shall be healthy, vigorous, free from defects, decay, disfiguring roots, sun scald injuries, abrasions of the bark, plant disease, insect pest eggs, borers and all forms of insect infestations or objectionable infestations. Plant material that is weak or which has been cut back from lower grades to meet specified requirements will be rejected. Trees with forked leaders will not be accepted. All plants shall be freshly dug; no heeled-in plants from cold storage will be accepted. Unless otherwise specified, all general conditions, planting operations, details and planting specification shall conform to "Landscape Specification Guidelines for Baltimore-Washington Metropolitan Areas", (hereinafter "Landscape Guidelines") approved by the Landscape Contractors Association of Metropolitan Washington and the Potomac Chapter of the American Society of Landscape Architect, latest edition, including all addenda.

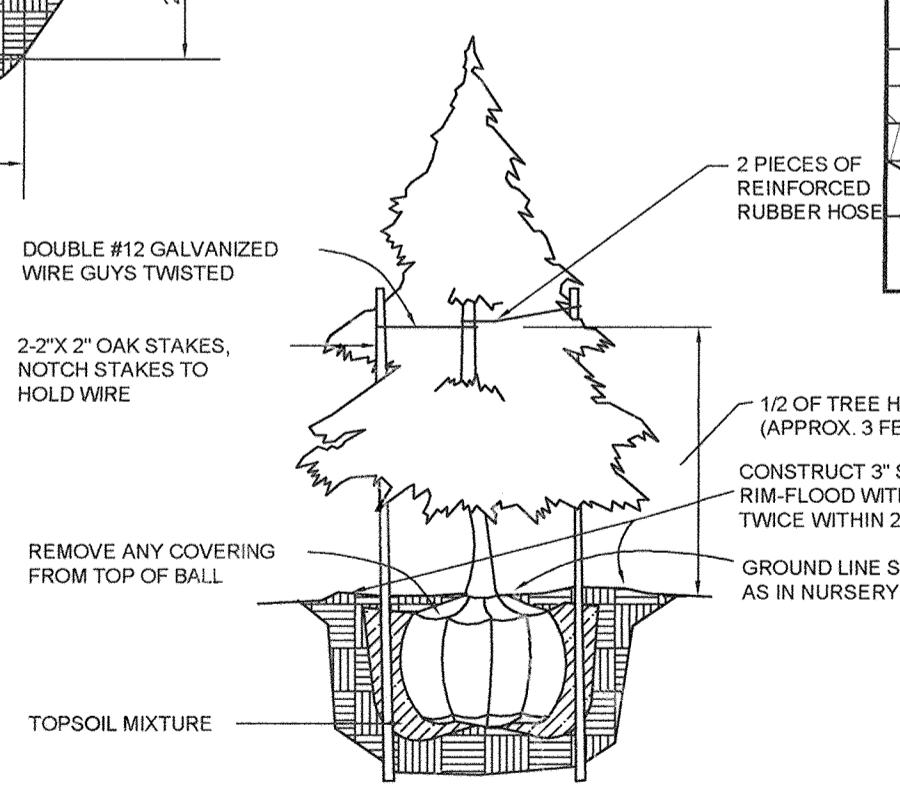
Contractor shall be required to guarantee all plant material for a period of one year after date of acceptance in accordance with the appropriate section of the Landscape Guidelines. Contractor's attention is directed to the maintenance requirements found within the one year specifications including watering and replacement of specified plant material. Contractor shall be responsible for notifying utility companies, utility contractors and "Miss Utility" a minimum of 48 hours prior to beginning any work. Contractor may make minor adjustments in spacing and location of plant material to avoid conflicts with utilities. Damage to existing structure and utilities shall be repaired at the expense of the Contractor. Protection of existing vegetation to remain shall be accomplished by the temporary installation of 4 foot high snow fence or blaze orange safety fence at the site line. Contractor is responsible for installing all material in the proper planting season for each plant type. All planting is to be completed within the growing season of completion of site construction.

Bid shall be based on actual site conditions. No extra payment shall be made for work arising from site conditions differing from those indicated on drawings and specifications. Plant quantities are provided for the convenience of the contractor only. If discrepancies exist between quantities shown on plan and those shown on the plant list, the quantities on the plan take precedence.

All shrubs shall be planted in continuous trenches or prepared planting beds and mulched with composted hardwood mulch as details and specified except where noted on plans. Positive drainage shall be maintained in planting beds - 2 percent slope. Planting mix shall be as follows: Deciduous Plants - Two parts topsoil, one part well-rotted cow or horse manure. Add 3 lbs. of standard fertilizer per cubic yard of planting mix. Evergreen Plants - two parts topsoil, one part humus or other approved organic material. Add 3 lbs. of evergreen (acidic) fertilizer per cubic yard of planting mix. Topsoil shall conform to the Landscape Guidelines.

Weed Control: Incorporate a pre-emergent herbicide into the planting bed following recommended rates on the label. Caution: Be sure to carefully check the chemical used to assure its adaptability to the specific ground cover to be treated. All areas within contract limits disturbed during or prior to construction not designated to receive plants and mulch shall be fine graded and seeded. This plan is intended for landscape use only. see other plan sheets for more information on grading, sediment control, layout, etc.

PERIMETER LANDSCAPE PLANT LIST			
QTY.	KEY	NAME	SIZE
2		ACER GINNALA (AMUR MAPLE)	2.5" - 3.0" CAL. FULL CROWN, B&B
2		PINUS STROBUS (WHITE PINE)	10' HT. B&B



EVERGREEN PLANTING DETAIL NOT TO SCALE

LANDSCAPE NOTES

- THE PERIMETER LANDSCAPE OBLIGATION IS PROVIDED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. A LANDSCAPE SURETY, FOR THE REQUIRED TYPE 'B' LANDSCAPE BUFFER ON LOT 140, IN THE AMOUNT OF \$900.00 BASED ON TWO (2) SHADE TREES @ \$300/SHADE TREE, TWO (2) EVERGREEN TREES @ \$150/EVERGREEN TREE, AND NO SHRUBS @ \$30/SHRUB SHALL BE BONDED AS PART OF THE DPW GRADING PERMIT SURETY BOND.
- AT THE TIME OF INSTALLMENT, ALL SHRUBS AND OTHER PLANTINGS HEREWITH LISTED AND APPROVED FOR THIS SITE, SHALL BE OF THE PROPER HEIGHT REQUIREMENTS IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPING MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELOCATION OF REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING. ANY DEVIATION FROM THIS 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 MADE TO APPLICABLE PLANS AND CERTIFICATES.
- THE OWNER, TENANT, AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING, INCLUDING BOTH PLANT MATERIALS AND BEMS, 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, REPAIRED OR REPLACED.
- FOR ANY TREE DESIGNATED FOR PRESERVATION, FOR WHICH CREDIT IS GIVEN, BE REMOVED OR DIE PRIOR TO RELEASE OF BONDS, THE OWNER WILL BE REQUIRED TO REPLACE THE TREE WITH THE EQUIVALENT SPECIES OR IF THE TREE IS LISTED AS A PROHIBITED OR INVASIVE SPECIES ON THE DPZ TREE LIST IT SHOULD BE REPLACED WITH A RECOMMENDED TREE SPECIES WHICH WILL OBTAIN THE SAME HEIGHT, SPREAD AND GROWTH CHARACTERISTICS. THE REPLACEMENT TREE MUST BE A MINIMUM OF 3 INCHES IN CALIPER AND INSTALLED AS REQUIRED IN THE LANDSCAPE MANUAL.

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTRAL SQUARE OFFICE PARK - 10672 BALTIMORE NATIONAL PIKE  
 BELTSVILLE CITY, MARYLAND 21102  
 (410) 661-8995

NO.	REVISION	DATE
5	REMOVE TREE & ADD LOT 132, FROM GEN. BOX 'A' TO PEMBROKE	8/5/19
4	REMOVE TREE & ADD LOT 131, FROM GEN. BOX 'A' TO PEMBROKE	1/8/19
3	REMOVE TREE & ADD LOT 140, FROM GEN. BOX 'A' TO PEMBROKE	10/11/18
2	REMOVE TREE & ADD LOT 139, FROM GEN. BOX 'A' TO PEMBROKE	10/11/18
1	CHANGE LOT 130 TO FEDERAL 'G' & N. 'ADIN'	11/11/18

STATE OF MARYLAND  
 FRANK J. MANNING  
 PROFESSIONAL LAND SURVEYOR  
 No. 21476

**LANDSCAPE DEVELOPER'S CERTIFICATE**  
 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 and 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.

Name: *Kathy M. Manahan* Date: *6/14/18*

**PROFESSIONAL CERTIFICATION**  
 "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, 7/11/19.

Name: *Kathy M. Manahan* Date: *6/14/18*

OWNER: TIERNY FARMS-CLARKSVILLE, LP. 24151 VENTURA BOULEVARD CALABASAS, CALIFORNIA 91302 818-385-3697

DEVELOPER: BEAZER HOMES, LLC. 8965 GUILFORD ROAD COLUMBIA, MD 21046 ATTN: MR. BRIAN KNAUFF 443-399-9249

SCALE: 1" = 30'

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Vestal J. Linn* Chief, Division of Land Development Date: *7-19-18*

*Chad Chisum* Chief, Development Engineering Division Date: *7-11-18*

*Valery J. Linn* Director - Department of Planning and Zoning Date: *7-29-18*

PROJECT	PHASE	PARCEL NO.
ENCLAVE AT RIVER HILL	3	88

PLAT	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
24650 - 24653	18	R-ED	34	5	605102

PREVIOUS HOWARD COUNTY FILES:  
 ECP-15-005, PB CASE NO. 409, SP-15-006, WP-15-069, WP-16-152, F-15-110, F-17-003, F-18-031, SGP-17-013, SGP-17-014 & SGP-18-032

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SITE DEVELOPMENT PLAN

SINGLE FAMILY HOUSES

**ENCLAVE AT RIVER HILL**

LOTS 130 THRU 159 AND PARTS OF OPEN SPACE LOTS 128 AND 160

PHASE 3

PREVIOUS HOWARD COUNTY FILES:  
 ECP-15-005, PB CASE NO. 409, SP-15-006, WP-15-069, WP-16-152, F-15-110, F-17-003, F-18-031, SGP-17-013, SGP-17-014 & SGP-18-032

TAX MAP NO.: 34 PARCEL NO.: 88 GRID NO.: 18  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN DATE: JUNE, 2018

SHEET 3 OF 8

MATCH LINE SEE SHEET 3

MATCH LINE SEE SHEET 3

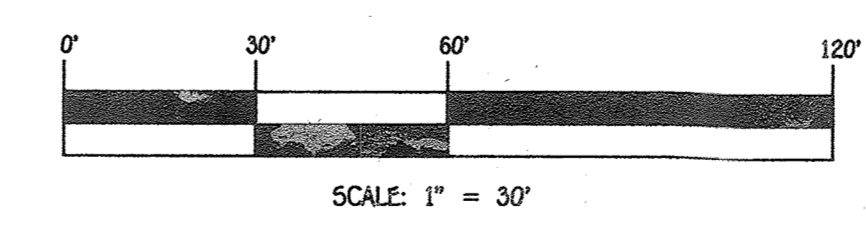
LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
---	EXISTING CONTOUR 10' INTERVAL
---	PROPOSED CONTOUR 2' INTERVAL
---	PROPOSED CONTOUR 10' INTERVAL
X+11.27	SPOT ELEVATION
---	PROPOSED STORM DRAIN PIPE
---	EXISTING SEWER
---	EXISTING WATER
---	LIMIT OF DISTURBANCE
---	SUPER SILT FENCE
---	SILT FENCE
---	15-24% SLOPES
---	25% OR GREATER SLOPES
---	'B' SOILS
---	'C' SOILS
---	ERODIBLE SOILS
---	WETLANDS
---	100 YEAR FLOODPLAIN
---	STREAM BUFFER
---	DRAINAGE DIVIDE
---	DEWELL (M-5)-TYPICAL
---	BIO RETENTION FACILITY (F-6) OR (M-6) AS NOTED
---	SPECIMEN TREE (TO BE REMOVED)
---	PUBLIC WATER, SEWER & UTILITY EASEMENT
---	RECREATIONAL OPEN SPACE
---	USE IN COMMON ACCESS EASEMENT
---	FOREST CONSERVATION EASEMENT
---	STREET TREES

NOTE(\*): AREA OF POSSIBLE ROOM EXTENSION SUBJECT TO GENERAL NOTE 16

NO.	REVISION	DATE
10	REVISE LOT 157 TO PEMBROKE & MINOR GRADING	1/27/20
9	REV. HAV. LOT 155 FROM OPENED TO PEMBROKE	11/19/19
8	REV. HAV. & GAR. LOT 155 FROM PEMBROKE TO OPENED	11/8/19
7	REVISE GAR. ON LOT 146. ADD P.P. RELEASE FRONT Y.W.	9/19/19
6	REV. LOT 146 TO PEMBROKE & GRADING PER ASBUILT	9/19/19
5	REV. LOT 153 TO FEDERALSBURG & GRADING PER ASBUILT	8/30/19
4	REV. LOT 154 TO AUGUSTA & LOT 155 TO PEMBROKE HOUSE TYPES	8/27/19
3	REVISE HAV. & GAR. LOT 146 FROM HAV. & GAR. TO PEMBROKE	7/22/19
2	REV. LOT 143 TO SHOW ASBUILT HOUSE (NOTTINGHAM) & GRADING	6/21/19
1	REVISE HAV. & GAR. LOT 152 FROM HAV. & GAR. TO PEMBROKE	10/1/18



**PROFESSIONAL CERTIFICATION**  
 "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, 7/14/19."  
 Name: *Kevin J. Anderson*  
 Date: *6/14/18*



<b>OWNER</b> TIERNEY FARMS-CLARKSVILLE, LP. 24151 VENTURA BOULEVARD CALABASAS, CALIFORNIA 91302 818-365-3697	<b>DEVELOPER</b> BEAZER HOMES, LLC 8965 GUILFORD ROAD COLUMBIA, MD 21046 ATTN: MR. BRIAN KAMUFF 443-539-9249
--	---

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Kevin J. Anderson* 7-19-18  
 Chief, Division of Land Development Date

*John J. Anderson* 7-19-18  
 Chief, Development Engineering Division Date

Director - Department of Planning and Zoning Date

PROJECT	PHASE	PARCEL NOs.
ENCLAVE AT RIVER HILL	3	88

PLAT	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
24650 - 24653	18	R-ED	34	5	605102

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 ZONED: R-ED  
 TAX MAP NO.: 34 PARCEL NO'S: 88 GRID NO.: 18  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN DATE: JUNE, 2018  
 SHEET 4 OF 8

**SITE DEVELOPMENT PLAN**

SINGLE FAMILY HOUSES

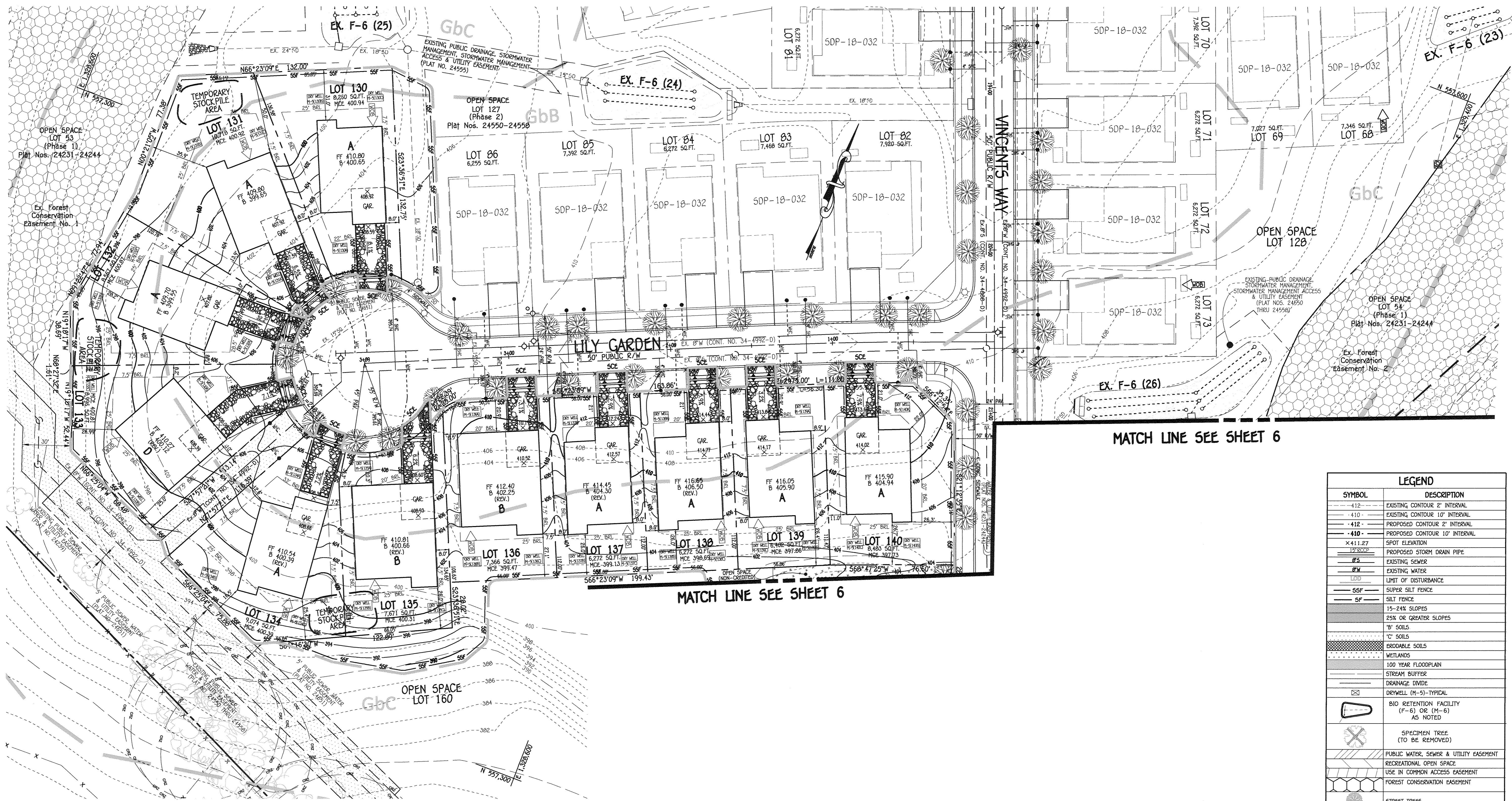
**ENCLAVE AT RIVER HILL**

LOTS 130 THRU 159 AND PARTS OF OPEN SPACE LOTS 128 AND 160

PHASE 3

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 ZONED: R-ED  
 TAX MAP NO.: 34 PARCEL NO'S: 88 GRID NO.: 18  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN DATE: JUNE, 2018  
 SHEET 4 OF 8

Second Original

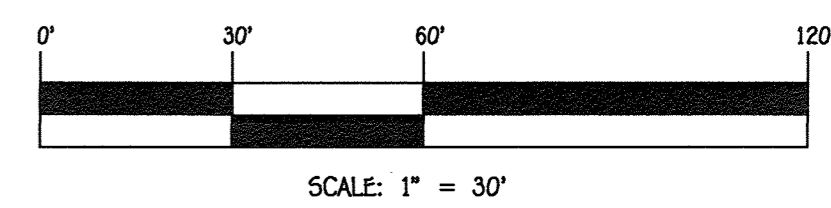


MATCH LINE SEE SHEET 6

MATCH LINE SEE SHEET 6

LEGEND	
SYMBOL	DESCRIPTION
---412---	EXISTING CONTOUR 2' INTERVAL
-410-	EXISTING CONTOUR 10' INTERVAL
-412-	PROPOSED CONTOUR 2' INTERVAL
-410-	PROPOSED CONTOUR 10' INTERVAL
x411.27	SPOT ELEVATION
---12" SLOPE---	PROPOSED STORM DRAIN PIPE
---S---	EXISTING SEWER
---W---	EXISTING WATER
---L---	LIMIT OF DISTURBANCE
---SSF---	SUPER SILT FENCE
---SF---	SILT FENCE
---15-24%---	15-24% SLOPES
---25% OR GREATER---	25% OR GREATER SLOPES
---B' SOILS---	'B' SOILS
---C' SOILS---	'C' SOILS
---ERODIBLE SOILS---	ERODIBLE SOILS
---WETLANDS---	WETLANDS
---100 YEAR FLOODPLAIN---	100 YEAR FLOODPLAIN
---STREAM BUFFER---	STREAM BUFFER
---DRAINAGE DIVIDE---	DRAINAGE DIVIDE
---DRYWELL (M-5) TYPICAL---	DRYWELL (M-5) TYPICAL
---BIO RETENTION FACILITY (F-6) OR (M-6) AS NOTED---	BIO RETENTION FACILITY (F-6) OR (M-6) AS NOTED
---SPECIMEN TREE (TO BE REMOVED)---	SPECIMEN TREE (TO BE REMOVED)
---PUBLIC WATER, SEWER & UTILITY EASEMENT---	PUBLIC WATER, SEWER & UTILITY EASEMENT
---RECREATIONAL OPEN SPACE---	RECREATIONAL OPEN SPACE
---USE IN COMMON ACCESS EASEMENT---	USE IN COMMON ACCESS EASEMENT
---FOREST CONSERVATION EASEMENT---	FOREST CONSERVATION EASEMENT
---STREET TREES---	STREET TREES

SOILS LEGEND			
SOIL	NAME	CLASS	KW
GbB	GLADSTONE LOAM	B	0.37
GbC	GLADSTONE LOAM	B	0.37
GbB	GLENVILLE-BAILL LOAM, 3 TO 8 PERCENT SLOPES	C	0.37



**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTENNIAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE  
 ELICOTT CITY, MARYLAND 21042  
 (410) 461-2095

NO.	REVISION	DATE



**PROFESSIONAL CERTIFICATE**  
 "I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."  
 Signature of Licensed Professional: *Frank John Manalansan II* DATE: 6/14/18  
**BUILDER/DEVELOPER'S CERTIFICATE**  
 "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, FOR SEDIMENT AND EROSION CONTROL AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."  
 Signature of Developer: *Brian Knauff* DATE: 6/14/18

APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY  
*Jamal Rautava* 6/20/18  
 HOWARD SOIL CONSERVATION DISTRICT  
**OWNER**  
 TIERNEY FARMS-CLARKSVILLE, LP.  
 24151 VENTURA BOULEVARD  
 CALABASAS, CALIFORNIA 91302  
 818-385-3897  
**DEVELOPER**  
 BEAZER HOMES, LLC  
 8965 GULFORD ROAD  
 COLUMBIA, MD 21046  
 ATTN: MR. BRIAN KNAUFF  
 443-539-9249

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
*Kathleen* 7-19-18  
 Chief, Division of Land Development Date  
*Ch. Charles* 7-11-18  
 Chief, Development Engineering Division JP Date  
*William J. J...* 7-24-18  
 Director - Department of Planning and Zoning Date  
 PROJECT: ENCLAVE AT RIVER HILL PHASE: 3 PARCEL NOS.: 00  
 PLAT: 24550 - 18 ZONE: R-ED TAX/ZONE: 34 ELEC. DIST.: 5 CENSUS TR.: 605102  
 PREVIOUS HOWARD COUNTY FILES:  
 ECP-15-005, PB CASE NO. 409, SP-15-006, WP-15-069, WP-16-152, F-15-110, F-17-003, F-18-031, SDP-17-013, SDP-17-014 & SDP-18-032

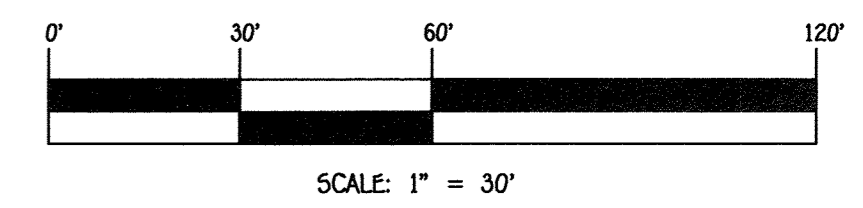
**SEDIMENT/EROSION CONTROL PLAN**  
 SINGLE FAMILY HOUSES  
**ENCLAVE AT RIVER HILL**  
 LOTS 130 THRU 159 AND PARTS OF OPEN SPACE LOTS 128 AND 160  
 PHASE 3  
 PREVIOUS HOWARD COUNTY FILES:  
 ECP-15-005, PB CASE NO. 409, SP-15-006, WP-15-069, WP-16-152, F-15-110, F-17-003, F-18-031, SDP-17-013, SDP-17-014 & SDP-18-032  
 ZONED: R-ED  
 TAX MAP NO.: 34 PARCEL NOS.: 00 GRID NO.: 18  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN DATE: JUNE, 2018  
 SHEET 5 OF 8

MATCH LINE SEE SHEET 5

MATCH LINE SEE SHEET 5



LEGEND	
SYMBOL	DESCRIPTION
---412---	EXISTING CONTOUR 2' INTERVAL
---410---	EXISTING CONTOUR 10' INTERVAL
---412---	PROPOSED CONTOUR 2' INTERVAL
---410---	PROPOSED CONTOUR 10' INTERVAL
x411.27	SPOT ELEVATION
---12'x12'---	PROPOSED STORM DRAIN PIPE
---S---	EXISTING SEWER
---W---	EXISTING WATER
---L---	LIMIT OF DISTURBANCE
---SSF---	SUPER SILT FENCE
---SF---	SILT FENCE
15-24%	15-24% SLOPES
25% OR GREATER	25% OR GREATER SLOPES
'B' SOILS	'B' SOILS
'C' SOILS	'C' SOILS
---WETLANDS---	WETLANDS
---100 YEAR FLOODPLAIN---	100 YEAR FLOODPLAIN
---STREAM BUFFER---	STREAM BUFFER
---DRAINAGE DIVIDE---	DRAINAGE DIVIDE
---DRYWELL (M-5)---TYPICAL	DRYWELL (M-5)-TYPICAL
---BIO RETENTION FACILITY (F-6) OR (M-6) AS NOTED	BIO RETENTION FACILITY (F-6) OR (M-6) AS NOTED
---SPECIMEN TREE (TO BE REMOVED)---	SPECIMEN TREE (TO BE REMOVED)
---PUBLIC WATER, SEWER & UTILITY EASEMENT	PUBLIC WATER, SEWER & UTILITY EASEMENT
---RECREATIONAL OPEN SPACE	RECREATIONAL OPEN SPACE
---USE IN COMMON ACCESS EASEMENT	USE IN COMMON ACCESS EASEMENT
---FOREST CONSERVATION EASEMENT	FOREST CONSERVATION EASEMENT
---STREET TREES	STREET TREES



**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTENNIAL SQUARE OFFICE PARK - 10775 BALTIMORE NATIONAL, FFX  
 ELICOTT CITY, MARYLAND 21042  
 (410) 401-2895



**PROFESSIONAL CERTIFICATE**  
 "I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."  
 Signature of Licensed Professional: *Frank John Manalansan II* DATE: *6/14/18*  
**BUILDER/DEVELOPER'S CERTIFICATE**  
 "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."  
 Signature of Developer: *Brian Knauff* DATE: *6/14/18*

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 Signature: *John L. Roberts* DATE: *6/12/18*  
**OWNER**  
 TIERNEY FARMS-CLARKSVILLE, LP  
 24151 VENTURA BOULEVARD  
 CALABASAS, CALIFORNIA 91302  
 818-365-3697  
**DEVELOPER**  
 BEAZER HOMES, LLC  
 9915 GUILFORD ROAD  
 COLUMBIA, MD 21046  
 ATTN: MR. BRIAN KNAUFF  
 443-539-9249

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 Signature: *Scott S. ...* DATE: *7-19-18*  
 Chief, Division of Land Development  
 Signature: *John ...* DATE: *7-11-18*  
 Chief, Development Engineering Division  
 Signature: *...* DATE: *7-24-18*  
 Director - Department of Planning and Zoning  
 PROJECT: ENCLAVE AT RIVER HILL PHASE: 3 PARCEL NOS.: 00  
 PLAT: 24650 - 24653 BLOCK NO.: 18 ZONE: R-ED TAX/ZONE: 34 ELEC. DIST.: 5 CENSUS TR.: 605102  
 PREVIOUS HOWARD COUNTY FILES:  
 ECP-15-005, PB CASE NO. 409, SP-15-006, WP-15-069, WP-16-152, F-15-110, F-17-003, F-18-031, S0P-17-013, S0P-17-014 & S0P-18-032  
 ZONED: R-ED  
 TAX MAP NO.: 34 PARCEL NO'S.: 00 GRID NO.: 10  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN DATE: JUNE, 2018  
 SHEET 6 OF 8 S0P-18-040

**SEDIMENT/EROSION CONTROL PLAN**  
 SINGLE FAMILY HOUSES  
**ENCLAVE AT RIVER HILL**  
 LOTS 130 THRU 159 AND PARTS OF OPEN SPACE LOTS 128 AND 160  
 PHASE 3  
 PREVIOUS HOWARD COUNTY FILES:  
 ECP-15-005, PB CASE NO. 409, SP-15-006, WP-15-069, WP-16-152, F-15-110, F-17-003, F-18-031, S0P-17-013, S0P-17-014 & S0P-18-032  
 ZONED: R-ED  
 TAX MAP NO.: 34 PARCEL NO'S.: 00 GRID NO.: 10  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN DATE: JUNE, 2018  
 SHEET 6 OF 8 S0P-18-040

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SOIL PREPARATION, TOPSOILING AND SOIL AMENDMENTS (B-4-2)

- A. SOIL PREPARATION
- 1. TEMPORARY STABILIZATION
- 2. PERMANENT STABILIZATION
- B. TOPSOILING
- C. SOIL AMENDMENTS (FERTILIZER & LIME SPECIFICATIONS)

PERMANENT SEEDING NOTES (B-4-5)

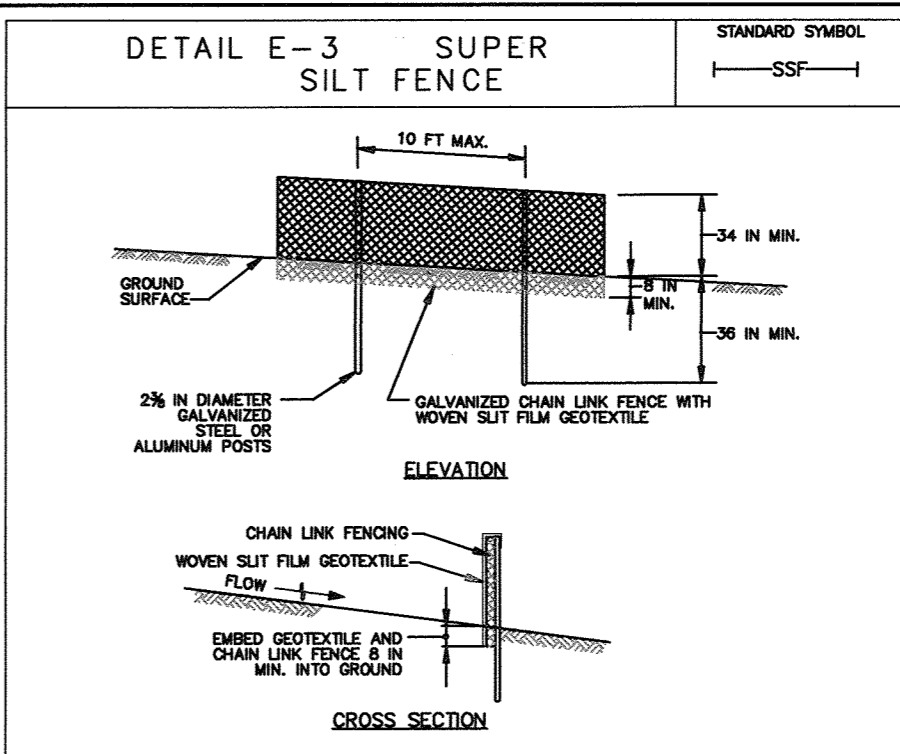
- A. SEED MIXTURES
- 1. GENERAL USE
- 2. TURFGRASSES MIXTURES
- 3. SPECIAL PURPOSE MIXTURES
- 4. SPECIAL PURPOSE MIXTURES

B-4-3 STANDARDS AND SPECIFICATIONS FOR SEEDING & MULCHING

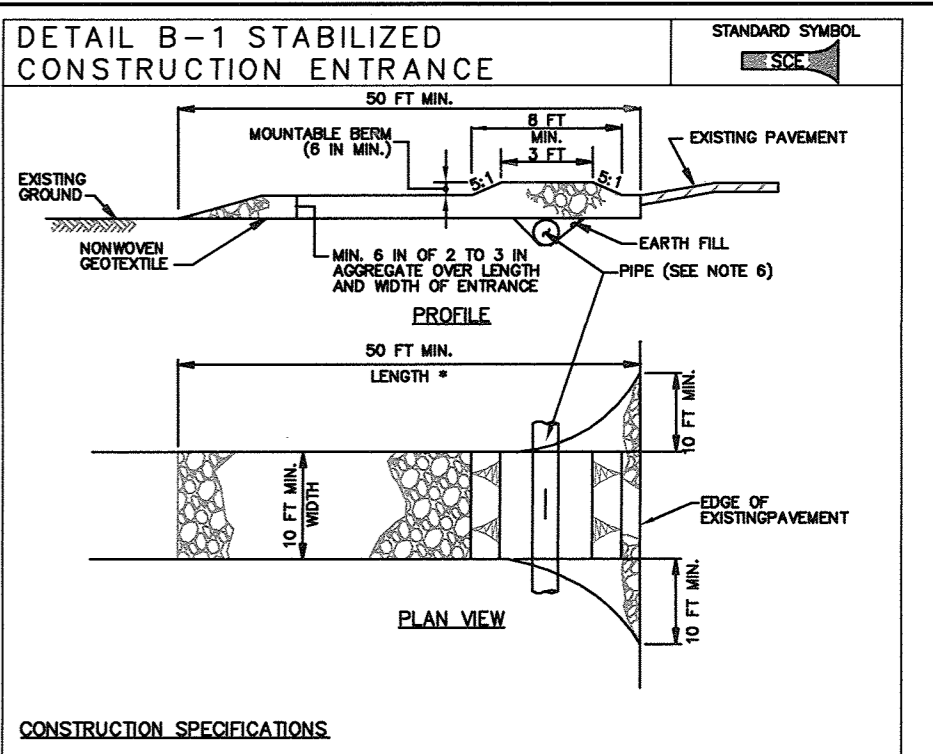
- DEFINITION
- PURPOSE
- CONDITIONS WHERE PRACTICE APPLIES
- A. SEEDING
- B. MULCHING

HOWARD SOIL CONSERVATION DISTRICT (HSCD) STANDARD SEDIMENT CONTROL NOTES

- 1. A pre-construction meeting must occur with the Howard County Department of Public Works, Construction Inspection Division (CID), 410-313-1895 after the future L.O.D and protected areas are marked clearly in the field.
- 2. Upon completion of the installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading.
- 3. Following initial soil disturbance or re-disturbance, permanent or temporary stabilization is required within three (3) calendar days as to the surface of all perimeter controls, ditches, swales, ditches, perimeter slopes, and all slopes steeper than 3:1 horizontal to 1 vertical (3:1); and seven (7) calendar days as to all other disturbed areas on the project site except for those areas under active grading.



- CONSTRUCTION SPECIFICATIONS
- 1. INSTALL 24 INCH DIAMETER GALVANIZED STEEL POSTS OF 6088 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET AWAY FROM THE POSTS A MINIMUM OF 36 INCHES INTO THE GROUND.
- 2. FASTEN WOVEN SILT FABRIC TO THE FENCE POSTS USING GALVANIZED CHAIN LINK FENCE WITH WOVEN SILT FILM GEOTEXTILE.
- 3. FASTEN WOVEN SILT FABRIC TO THE FENCE POSTS USING GALVANIZED CHAIN LINK FENCE WITH WOVEN SILT FILM GEOTEXTILE.



- CONSTRUCTION SPECIFICATIONS
- 1. PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE FENCE. USE A MINIMUM OF 50 FEET OF FENCE FOR SINGLE RESIDENCE LOTS. USE MINIMUM WIDTH OF 10 FEET. FENCE SIZE TO FIT MINIMUM OF 50 FEET OF FENCE TO PROVIDE A TURNING RADIUS.
- 2. PIPE ALL SURFACE WATER FLOWING TO OR OVER THE TRENCH TO THE SOIL UNDER THE ENTRANCE. MAINTAIN POSITIVE DRAINAGE. PROTECT PIPE INSTALLED THROUGH THE SOIL WITH A MOUNTAINABLE BERM WITH 6:1 SLOPE AND A MINIMUM OF 12 INCHES OF SOIL ABOVE THE PIPE.

PERMANENT SEEDING SUMMARY		LINE RATE
HARDNESS ZONE (FROM FIGURE B.3)	SEED MIXTURE (FROM TABLE B.1)	SEED MIXTURE (FROM TABLE B.1)
A	100% TURFGRASS	2 TONS/AC (100 LB/1000 SF)
B	100% TURFGRASS	2 TONS/AC (100 LB/1000 SF)

- 1. GENERAL SPECIFICATIONS
- 2. APPLICATION
- 3. ANCHORING
- 4. SOIL MAINTENANCE

STANDARD STABILIZATION NOTE

- 1. THE STOCKPILE LOCATION AND ALL RELATED SEDIMENT CONTROL PRACTICES MUST BE CLEARLY INDICATED ON THE EROSION AND SEDIMENT CONTROL PLAN.
- 2. 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. BENCHING MUST BE PROVIDED IN ACCORDANCE WITH SECTION B-3 LAND GRADING.

B-4-6 STANDARDS AND SPECIFICATIONS FOR STOCKPILE AREA

PLANT SPECIES	SEEDING RATE 1/		SEEDING DEPTH 2/ (INCHES)	RECOMMENDED SEEDING DATES BY PLANT HARDNESS ZONE 3/			
	LB./AC.	LB./1000 FT. 2		5b AND 6a	6b	7a AND 7b	
COOL-SEASON GRASSES							
ANNUAL RYEGRASS (LULIUM PERENNIS SSP. MULTICOLORUM)	40	1.0	0.5	MAR. 15 TO MAY 31; AUG. 1 TO SEPT. 30	MAR. 1 TO MAY 15; AUG. 1 TO OCT. 15	FEB. 15 TO APR. 30; AUG. 15 TO NOV. 30	
BARLEY (HORDEUM VULGARE)	96	2.2	1.0	MAR. 15 TO MAY 31; AUG. 1 TO SEPT. 30	MAR. 1 TO MAY 15; AUG. 1 TO OCT. 15	FEB. 15 TO APR. 30; AUG. 15 TO NOV. 30	
OATS (Avena sativa)	72	1.7	1.0	MAR. 15 TO MAY 31; AUG. 1 TO SEPT. 30	MAR. 1 TO MAY 15; AUG. 1 TO OCT. 15	FEB. 15 TO APR. 30; AUG. 15 TO NOV. 30	
WHEAT (Triticum aestivum)	120	2.8	1.0	MAR. 15 TO MAY 31; AUG. 1 TO SEPT. 30	MAR. 1 TO MAY 15; AUG. 1 TO OCT. 15	FEB. 15 TO APR. 30; AUG. 15 TO NOV. 30	
CEREAL RYE (SECALE CEREALE)	112	2.8	1.0	MAR. 15 TO MAY 31; AUG. 31 TO OCT. 31	MAR. 1 TO MAY 15; AUG. 1 TO NOV. 15	FEB. 15 TO APR. 30; AUG. 15 TO DEC. 15	
WARM-SEASON GRASSES							
FOXTAIL MILLET (Setaria italica)	30	0.7	0.5	JUNE 1 TO JULY 31	MAY 16 TO JULY 31	MAY 1 TO AUGUST 14	
PEARL MILLET (Pennisetum glaucum)	20	0.5	0.5	JUNE 1 TO JULY 31	MAY 16 TO JULY 31	MAY 1 TO AUGUST 14	

TABLE B.1 TEMPORARY SEEDING FOR SITE STABILIZATION

- NOTES:
- 1. SEEDING RATES FOR THE WARM-SEASON GRASSES ARE IN POUNDS OF PURE LIME SEED (PLS). ACTUAL PLANTING RATES SHALL BE ADJUSTED TO REFLECT PERCENT SEED GERMINATION AND PURITY, AS TESTED.
- 2. ADJUSTMENTS ARE USUALLY NOT NEEDED FOR THE COOL-SEASON GRASSES.
- 3. SEEDING RATES LISTED ABOVE ARE FOR TEMPORARY SEEDING, WHEN PLANTED ALONE, WHEN PLANTED AS A NURSE CROP WITH PERMANENT SEED MIXES, USE 1/3 OF THE SEEDING RATE LISTED ABOVE FOR BARLEY, OATS AND WHEAT. FOR SMALLER SEEDED GRASSES (ANNUAL RYEGRASS, PEARL MILLET, FOXTAIL MILLET), DO NOT EXCEED MORE THAN 5% (BY WEIGHT) OF THE OVERALL PERMANENT SEEDING RATE. CEREAL RYE IS GENERALLY SHOULD NOT BE USED AS A NURSE CROP, UNLESS PLANTING WILL OCCUR IN VERY LATE FALL BEYOND THE SEEDING DATES FOR OTHER TEMPORARY SEEDINGS. CEREAL RYE HAS ALLELOPATHIC PROPERTIES THAT INHIBIT THE GERMINATION AND GROWTH OF OTHER PLANTS. IF IT MUST BE USED AS A NURSE CROP, SEED AT 1/3 OF THE RATE LISTED ABOVE.

DUST CONTROL

- DEFINITION
- PURPOSE
- CONDITIONS WHERE PRACTICE APPLIES
- TEMPORARY METHODS
- PERMANENT METHODS

TEMPORARY SEEDING NOTES (B-4-4)

- DEFINITION
- PURPOSE
- CONDITIONS WHERE PRACTICE APPLIES
- TEMPORARY SEEDING SUMMARY

TEMPORARY SEEDING SUMMARY		LINE RATE
HARDNESS ZONE (FROM FIGURE B.3)	SEED MIXTURE (FROM TABLE B.1)	SEED MIXTURE (FROM TABLE B.1)
A	100% TURFGRASS	2 TONS/AC (100 LB/1000 SF)
B	100% TURFGRASS	2 TONS/AC (100 LB/1000 SF)

PROFESSIONAL CERTIFICATE

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

BUILDER/DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, FOR SEDIMENT AND EROSION CONTROL, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

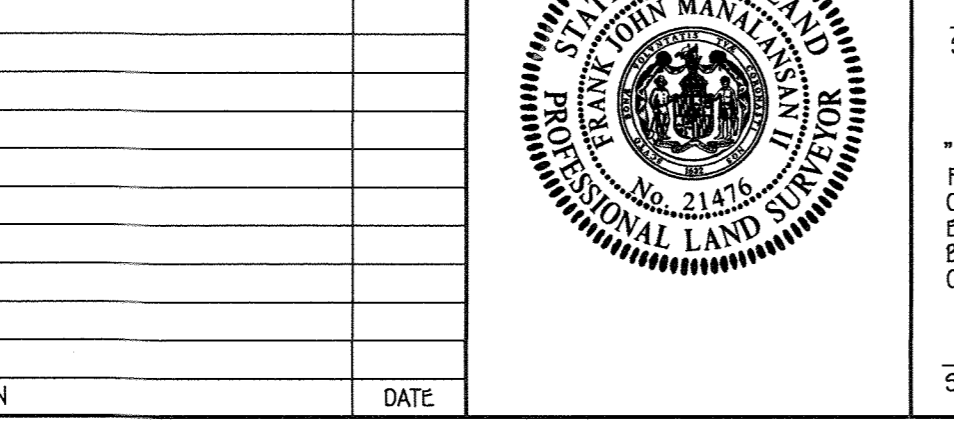
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Chief, Division of Land Development  
Chief, Department of Engineering Division  
Director - Department of Planning and Zoning

SEDIMENT AND EROSION CONTROL NOTES AND DETAILS

SINGLE FAMILY HOUSES  
ENCLAVE AT RIVER HILL  
LOTS 130 THRU 159 AND PARTS OF OPEN SPACE LOTS 128 AND 160  
PHASE 3  
PREVIOUS HOWARD COUNTY FILES:  
ECP-15-005, PB CASE NO. 409, SP-15-006, WP-15-069, WP-16-152, F-15-110, F-17-003, F-18-031, S0P-17-013, S0P-17-014 & S0P-18-032  
ZONED: R-ED  
TAX MAP NO.: 34 PARCEL NO'S.: 08 GRID NO.: 18  
FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: AS SHOWN DATE: JUNE, 2018  
SHEET 7 OF 8

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL  
BLISSCOTT CITY, MARYLAND 21142  
(410) 451 - 3999



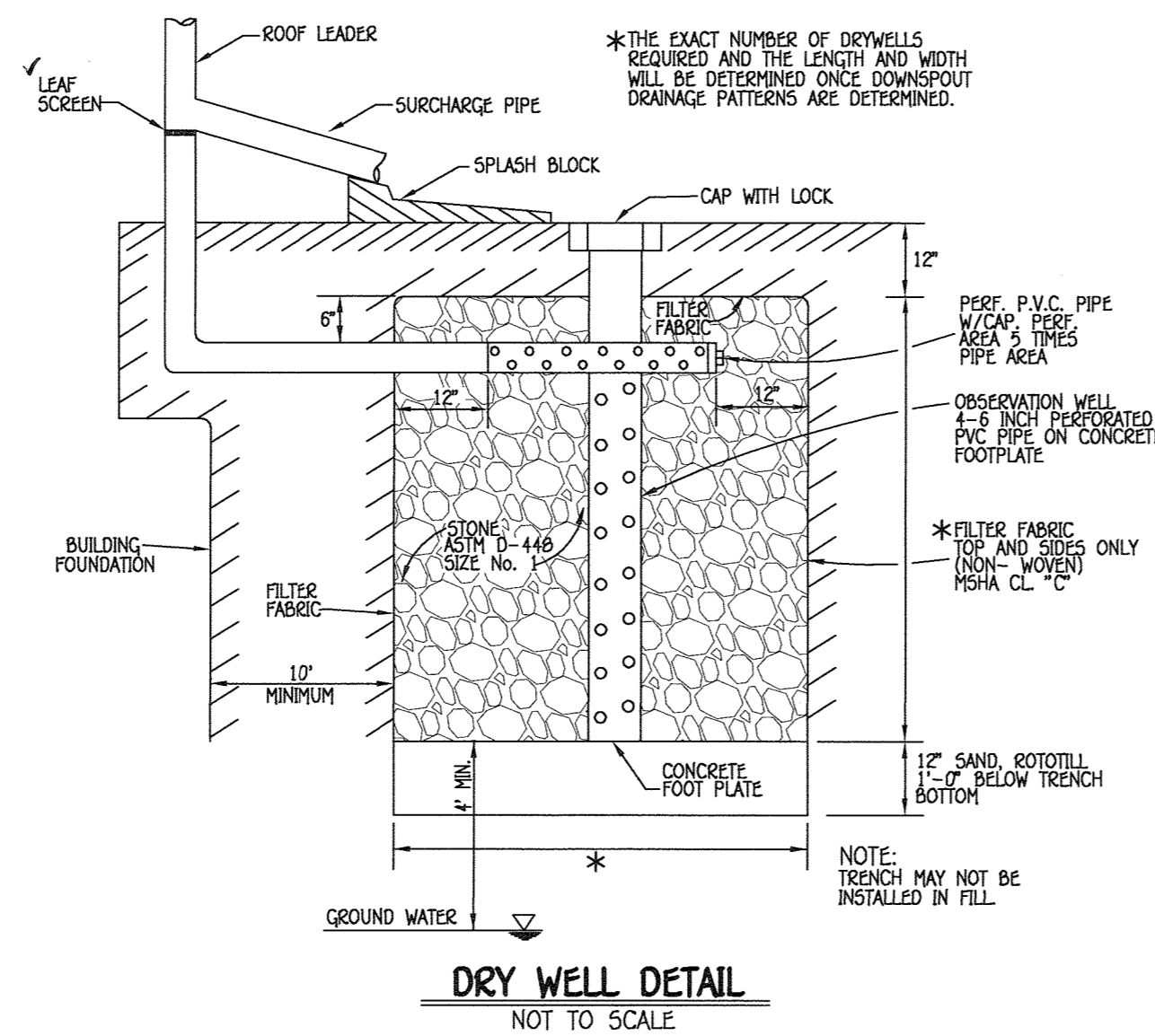
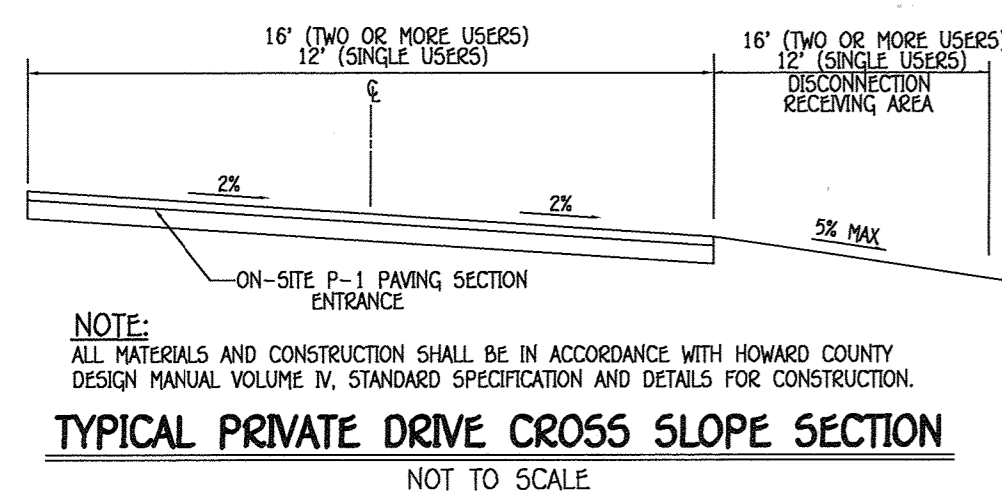
HOWARD SOIL CONSERVATION DISTRICT  
OWNER: TIERNY FARMS-CLARKSVILLE, LP  
24151 VENTURA BOULEVARD  
CALABAS, CALIFORNIA 91302  
818-385-3697

DEVELOPER: BEAZER HOMES, LLC  
9015 GUILDFORD ROAD  
COLUMBIA, MD 21046  
ATTN: MR. BRIAN KNAUFF  
443-539-9249

PROJECT: ENCLAVE AT RIVER HILL  
PHASE: 3  
PARCEL NO'S.: 08  
PLAT: 24650-2  
BLOCK NO.: 18  
ZONE: R-ED  
TAX/ZONE: 34  
ELEC. DIST.: 5  
CENSUS TR.: 605102

DATE: 7-19-18  
DATE: 7-11-18  
DATE: 7-24-18  
DATE: 7-19-18

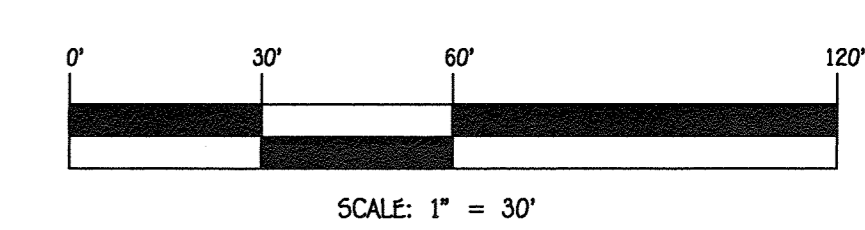
NO.	REVISION	DATE



LOT NO.	DRYWELL NUMBER	NO. OF DOWNSPOUTS	AREA OF ROOF	VOLUME REQUIRED	VOLUME PROVIDED	AREA OF STORAGE	AREA OF TREATMENT	NO. OF DRYWELLS	DIMENSIONS OF DRYWELLS
130	M-5 (130A)	2	820 Sqft	104 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
130	M-5 (130B)	2	879 Sqft	112 Cuft	120 Cuft	100%	100%	1	10' X 6' X 5'
130	M-5 (130C)	1	596 Sqft	76 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
131	M-5 (131A)	2	820 Sqft	104 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
131	M-5 (131B)	2	879 Sqft	112 Cuft	120 Cuft	100%	100%	1	10' X 6' X 5'
131	M-5 (131C)	1	596 Sqft	76 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
132	M-5 (132A)	2	820 Sqft	104 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
132	M-5 (132B)	2	879 Sqft	112 Cuft	120 Cuft	100%	100%	1	10' X 6' X 5'
132	M-5 (132C)	1	596 Sqft	76 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
133	M-5 (133A)	2	820 Sqft	104 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
133	M-5 (133B)	2	879 Sqft	112 Cuft	120 Cuft	100%	100%	1	10' X 6' X 5'
133	M-5 (133C)	1	596 Sqft	76 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
134	M-5 (134A)	2	820 Sqft	104 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
134	M-5 (134B)	2	879 Sqft	112 Cuft	120 Cuft	100%	100%	1	10' X 6' X 5'
134	M-5 (134C)	1	596 Sqft	76 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
135	M-5 (135A)	2	990 Sqft	126 Cuft	132 Cuft	100%	100%	1	11' X 6' X 5'
135	M-5 (135B)	2	991 Sqft	127 Cuft	133 Cuft	100%	100%	1	11' X 6' X 5'
136	M-5 (136A)	1	990 Sqft	126 Cuft	132 Cuft	100%	100%	1	11' X 6' X 5'
136	M-5 (136B)	2	991 Sqft	127 Cuft	133 Cuft	100%	100%	1	11' X 6' X 5'
136	M-5 (136C)	1	990 Sqft	126 Cuft	132 Cuft	100%	100%	1	11' X 6' X 5'
137	M-5 (137A)	2	820 Sqft	104 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
137	M-5 (137B)	2	879 Sqft	112 Cuft	120 Cuft	100%	100%	1	10' X 6' X 5'
137	M-5 (137C)	1	596 Sqft	76 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
138	M-5 (138A)	2	820 Sqft	104 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
138	M-5 (138B)	2	879 Sqft	112 Cuft	120 Cuft	100%	100%	1	10' X 6' X 5'
138	M-5 (138C)	1	596 Sqft	76 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
139	M-5 (139A)	2	820 Sqft	104 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
139	M-5 (139B)	2	879 Sqft	112 Cuft	120 Cuft	100%	100%	1	10' X 6' X 5'
139	M-5 (139C)	1	596 Sqft	76 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
140	M-5 (140A)	1	820 Sqft	104 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
140	M-5 (140B)	1	596 Sqft	76 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
141	M-5 (141A)	1	820 Sqft	104 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
141	M-5 (141B)	1	879 Sqft	112 Cuft	120 Cuft	100%	100%	1	10' X 6' X 5'
141	M-5 (141C)	1	596 Sqft	76 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
142	M-5 (142A)	2	820 Sqft	104 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
142	M-5 (142B)	2	879 Sqft	112 Cuft	120 Cuft	100%	100%	1	10' X 6' X 5'
142	M-5 (142C)	1	596 Sqft	76 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
143	M-5 (143A)	2	990 Sqft	126 Cuft	132 Cuft	100%	100%	1	11' X 6' X 5'
143	M-5 (143B)	2	991 Sqft	127 Cuft	133 Cuft	100%	100%	1	11' X 6' X 5'
143	M-5 (143C)	1	990 Sqft	126 Cuft	132 Cuft	100%	100%	1	11' X 6' X 5'

LOT NO.	DRYWELL NUMBER	NO. OF DOWNSPOUTS	AREA OF ROOF	VOLUME REQUIRED	VOLUME PROVIDED	AREA OF STORAGE	AREA OF TREATMENT	NO. OF DRYWELLS	DIMENSIONS OF DRYWELLS
146	M-5 (146A)	2	820 Sqft	104 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
146	M-5 (146B)	2	879 Sqft	112 Cuft	120 Cuft	100%	100%	1	10' X 6' X 5'
146	M-5 (146C)	1	596 Sqft	76 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
147	M-5 (147A)	2	820 Sqft	104 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
147	M-5 (147B)	2	879 Sqft	112 Cuft	120 Cuft	100%	100%	1	10' X 6' X 5'
147	M-5 (147C)	1	596 Sqft	76 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
148	M-5 (148A)	1	800 Sqft	102 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
148	M-5 (148B)	1	579 Sqft	74 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
149	M-5 (149A)	1	800 Sqft	102 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
149	M-5 (149B)	1	579 Sqft	74 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
150	M-5 (150A)	1	800 Sqft	102 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
150	M-5 (150B)	1	579 Sqft	74 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
151	M-5 (151A)	1	834 Sqft	106 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
151	M-5 (151B)	1	607 Sqft	77 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
152	M-5 (152A)	1	834 Sqft	106 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
152	M-5 (152B)	1	607 Sqft	77 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
153	M-5 (153A)	1	834 Sqft	106 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
153	M-5 (153B)	1	607 Sqft	77 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
154	M-5 (154A)	1	527 Sqft	67 Cuft	72 Cuft	100%	100%	1	9' X 4' X 5'
154	M-5 (154B)	1	453 Sqft	59 Cuft	64 Cuft	100%	100%	1	8' X 4' X 5'
155	M-5 (155A)	2	820 Sqft	104 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
155	M-5 (155B)	2	879 Sqft	112 Cuft	120 Cuft	100%	100%	1	10' X 6' X 5'
155	M-5 (155C)	1	596 Sqft	76 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
156	M-5 (156A)	2	990 Sqft	126 Cuft	132 Cuft	100%	100%	1	11' X 6' X 5'
156	M-5 (156B)	2	991 Sqft	127 Cuft	133 Cuft	100%	100%	1	11' X 6' X 5'
156	M-5 (156C)	1	990 Sqft	126 Cuft	132 Cuft	100%	100%	1	11' X 6' X 5'
157	M-5 (157A)	2	820 Sqft	104 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
157	M-5 (157B)	2	879 Sqft	112 Cuft	120 Cuft	100%	100%	1	10' X 6' X 5'
157	M-5 (157C)	1	596 Sqft	76 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
158	M-5 (158A)	2	820 Sqft	104 Cuft	108 Cuft	100%	100%	1	9' X 6' X 5'
158	M-5 (158B)	2	879 Sqft	112 Cuft	120 Cuft	100%	100%	1	10' X 6' X 5'
158	M-5 (158C)	1	596 Sqft	76 Cuft	80 Cuft	100%	100%	1	10' X 4' X 5'
159	M-5 (159A)	2	990 Sqft	126 Cuft	132 Cuft	100%	100%	1	11' X 6' X 5'
159	M-5 (159B)	2	991 Sqft	127 Cuft	133 Cuft	100%	100%	1	11' X 6' X 5'
159	M-5 (159C)	1	990 Sqft	126 Cuft	132 Cuft	100%	100%	1	11' X 6' X 5'

LOT NO.	DRYWELLS M-5 (Y/N)	STREET ADDRESS	STORMWATER MANAGEMENT PRACTICES	
			MICRO BIO-RETENTION M-6 (Y/N)	BIO-RETENTION F-6 (Y/N)
130	Y(3)	6122 LILY GARDEN		Y (PROVIDED BY F-17-003)
131	Y(3)	6126 LILY GARDEN		Y (PROVIDED BY F-17-003)
132	Y(3)	6130 LILY GARDEN		Y (PROVIDED BY F-17-003)
133	Y(3)	6131 LILY GARDEN		Y (PROVIDED BY F-17-003)
134	Y(3)	6127 LILY GARDEN		Y (PROVIDED BY F-17-003)
135	Y(3)	6123 LILY GARDEN		Y (PROVIDED BY F-17-003)
136	Y(3)	6119 LILY GARDEN		Y (PROVIDED BY F-17-003)
137	Y(3)	6115 LILY GARDEN		Y (PROVIDED BY F-17-003)
138	Y(3)	6111 LILY GARDEN		Y (PROVIDED BY F-17-003)
139	Y(3)	6107 LILY GARDEN		Y (PROVIDED BY F-17-003)
140	Y(3)	6103 LILY GARDEN		Y (PROVIDED BY F-17-003)
141	Y(3)	12638 VINCENTS WAY	Y (PROVIDED BY F-17-003)	
142	Y(3)	12642 VINCENTS WAY	Y (PROVIDED BY F-17-003)	
143	N	12646 VINCENTS WAY	Y (PROVIDED BY F-17-003)	
144	N	12650 VINCENTS WAY	Y (PROVIDED BY F-17-003)	
145	Y(3)	12654 VINCENTS WAY		Y (PROVIDED BY F-17-003)
146	Y(3)	12658 VINCENTS WAY		Y (PROVIDED BY F-17-003)
147	Y(3)	12662 VINCENTS WAY		Y (PROVIDED BY F-17-003)
148	Y(2)	12666 VINCENTS WAY		Y (PROVIDED BY F-17-003)
149	Y(2)	12670 VINCENTS WAY		Y (PROVIDED BY F-17-003)
150	Y(2)	12674 VINCENTS WAY		Y (PROVIDED BY F-17-003)
151	Y(2)	12678 VINCENTS WAY		Y (PROVIDED BY F-17-003)
152	Y(2)	12682 VINCENTS WAY		Y (PROVIDED BY F-17-003)
153	Y(2)	12686 VINCENTS WAY		Y (PROVIDED BY F-17-003)
154	Y(2)	12690 VINCENTS WAY		Y (PROVIDED BY F-17-003)
155	Y(3)	12651 VINCENTS WAY	Y (PROVIDED BY F-17-003)	
156	Y(3)	12647 VINCENTS WAY	Y (PROVIDED BY F-17-003)	
157	Y(3)	12643 VINCENTS WAY	Y (PROVIDED BY F-17-003)	
158	Y(3)	12639 VINCENTS WAY	Y (PROVIDED BY F-17-003)	
159	Y(3)	12635 VINCENTS WAY	Y (PROVIDED BY F-17-003)	



**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTRAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL, P.O.  
 ELIZABETH CITY, MARYLAND 21042  
 (410) 461 - 2095



**PROFESSIONAL CERTIFICATION**  
 "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, 7/14/19."  
 John M. Mansour  
 NAME DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 Keat Shee Quinlan  
 Chief, Division of Land Development 7-19-18  
 Date  
 Ch. P. Clark  
 Chief, Development Engineering Division 7-11-18  
 Date  
 William J. Flynn  
 Director - Department of Planning and Zoning 7-24-18  
 Date

PROJECT: ENCLAVE AT RIVER HILL PHASE: 3 PARCEL NOS.: 08  
 PLAT: 24650 - 24653 BLOCK NO.: 18 ZONE: R-ED TAX/ZONE: 34 ELEC. DIST.: 5 CENSUS TR.: 605102  
 PREVIOUS HOWARD COUNTY FILES: ECP-15-005, PB CASE NO. 409, SP-15-006, WP-15-069, WP-16-152, F-15-110, F-17-003, F-18-031, SDP-17-013, SDP-17-014 & SDP-18-032

SINGLE FAMILY HOUSES  
**ENCLAVE AT RIVER HILL**  
 LOTS 130 THRU 159 AND PARTS OF OPEN SPACE LOTS 128 AND 160  
 PHASE 3  
 PREVIOUS HOWARD COUNTY FILES: ECP-15-005, PB CASE NO. 409, SP-15-006, WP-15-069, WP-16-152, F-15-110, F-17-003, F-18-031, SDP-17-013, SDP-17-014 & SDP-18-032  
 ZONED: R-ED  
 TAX MAP NO.: 34 PARCEL NO.'S.: 08 GRID NO.: 18  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN DATE: JUNE, 2018  
 SHEET 8 OF 8