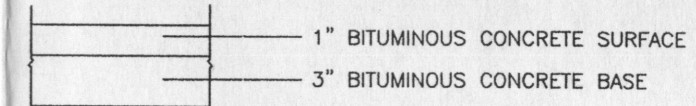




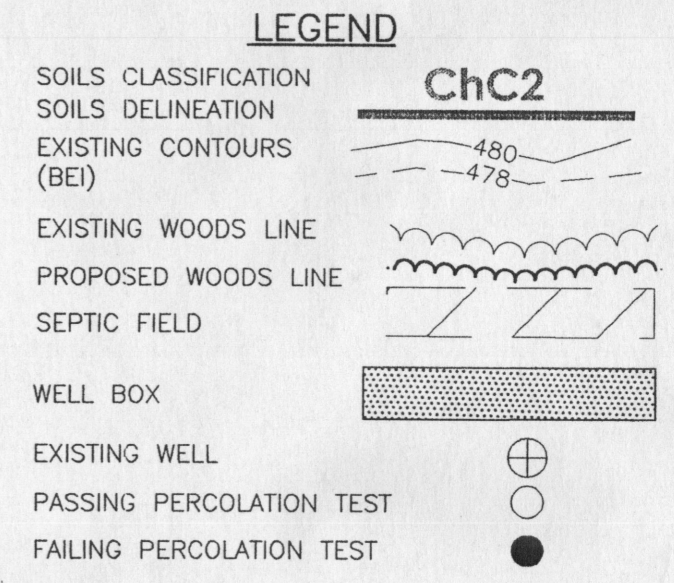
SOILS LEGEND		
MAP SYMBOL	SOIL GROUP	SOIL TYPE
GnB2	C	GLENNVILLE, SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
MgC2	B	MANOR GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
-	-	-

* INDICATES HYDRIC SOILS
TAKEN FROM SOILS SURVEY, ISSUED JULY 1968, MAP NO. 33



FULL DEPTH BITUMINOUS CONCRETE

PAVING SECTION
NOT TO SCALE



- BUILDING PERMIT PLAN NOTES:**
1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR VISTA RIDGE, PLAT Nos. 22430-22435. REFER TO THE PLATS FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND CONDITIONS.
 2. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION DISTRICT UNDER A GRADING PLAN AND MODIFIED FOR THIS SPECIFIC HOUSE.
 3. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS AND TOPOGRAPHIC INFORMATION PROVIDED BY ACCUBID, INC., ON OR ABOUT JUNE 27, 2013.
 4. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 5. ALL DRAINAGE AND STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED ROAD CONSTRUCTION PLANS EXCEPT AS WAIVED.
 6. THE EXISTING WELL SHOWN ON THIS PLAN, HO-95-2395, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC., AND IS ACCURATELY SHOWN.
 7. THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
 8. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT OR WELL BOX SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 9. STORMWATER MANAGEMENT FOR THIS LOT WAS DESIGNED TO BE PROVIDED BY BOTH POND #1, A POCKET POND, AND IN POND #2, A MICROPOND ED POND.
 10. THE DRIVEWAY CULVERT REQUIRED FOR THIS LOT WAS SIZED UNDER THE ROAD CONSTRUCTION PLANS, A 15" HDPEP OR 15" RCP IS REQUIRED.
 11. THIS PLAN HAS BEEN REVISED TO REFLECT THE LIMITS OF GRADING AS SHOWN ON F-08-136.

Professional Certification. I, the undersigned, do hereby certify that these plans and specifications were prepared by me or under my direct supervision and that I am a duly licensed professional engineer in the State of Maryland.

License No. 28559 Expiration Date: 2/22/15

BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 315
ELLCOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 ▲ FAX: 410-465-6644
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STATE OF MARYLAND
BRIAN F. CLEARY
No. 28559
REGISTERED
PROFESSIONAL ENGINEER

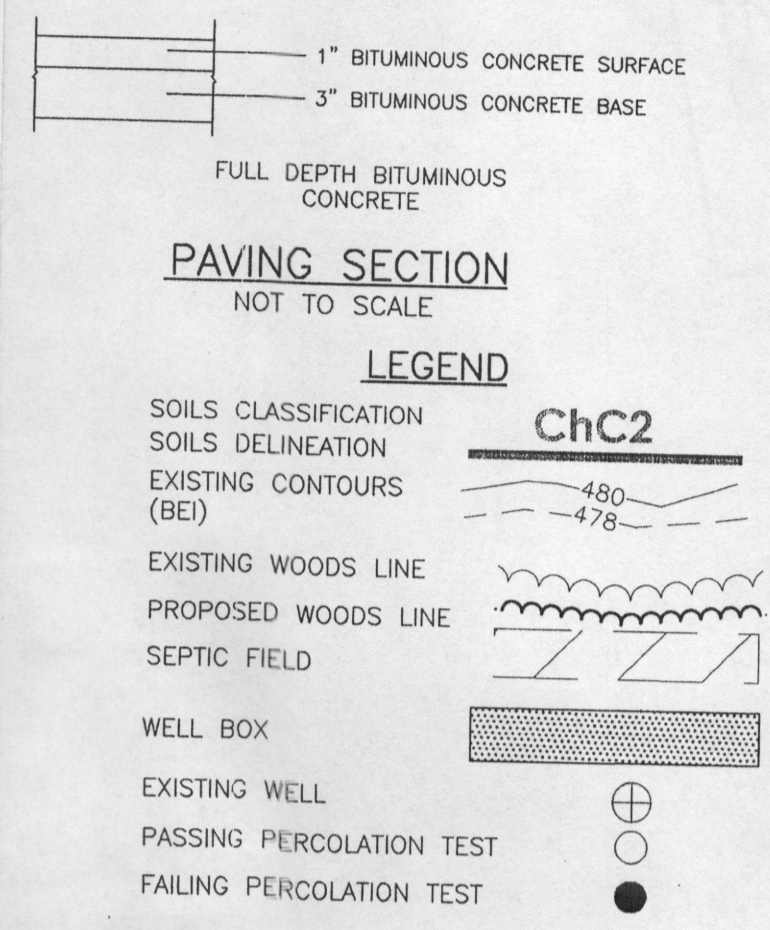
BFC 10/23/2013

OWNER/BUILDER: DR HORTON, INC. 1356 BEVERLY ROAD SUITE 300 McLEAN, VA 22101 PHONE: 571-723-0813 FAX: 800-551-5015	PROJECT: VISTA RIDGE LOT 20
LOCATION: 2025 DROVERS LANE COOKSVILLE, MD 21723 TAX MAP No. 8 - BLOCK No. 23 - PARCEL No. 176 4TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	TITLE: BUILDING PERMIT PLAN AND BAT SITE PLAN
HOUSE TYPE: SOMERSET	DATE: OCTOBER 22, 2013
DESIGN: JMC	DRAFT: JMC
SCALE: 1" = 30'	PROJECT NO. 1635 DRAWING <u>1</u> OF <u>2</u>



SOILS LEGEND		
MAP SYMBOL	SOIL GROUP	SOIL TYPE
GnB2	C	GLENNVILLE, SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
MgC2	B	MANOR GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
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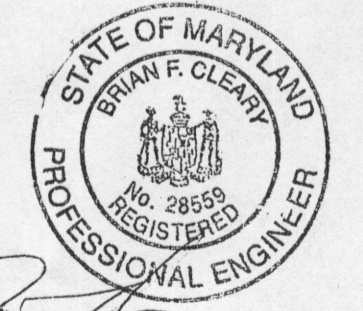
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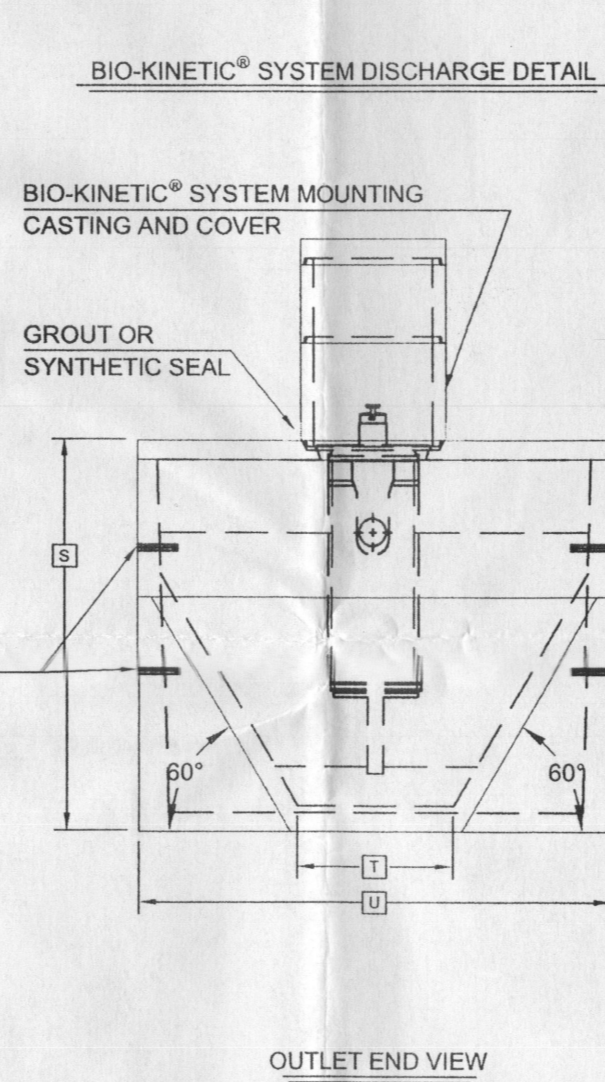
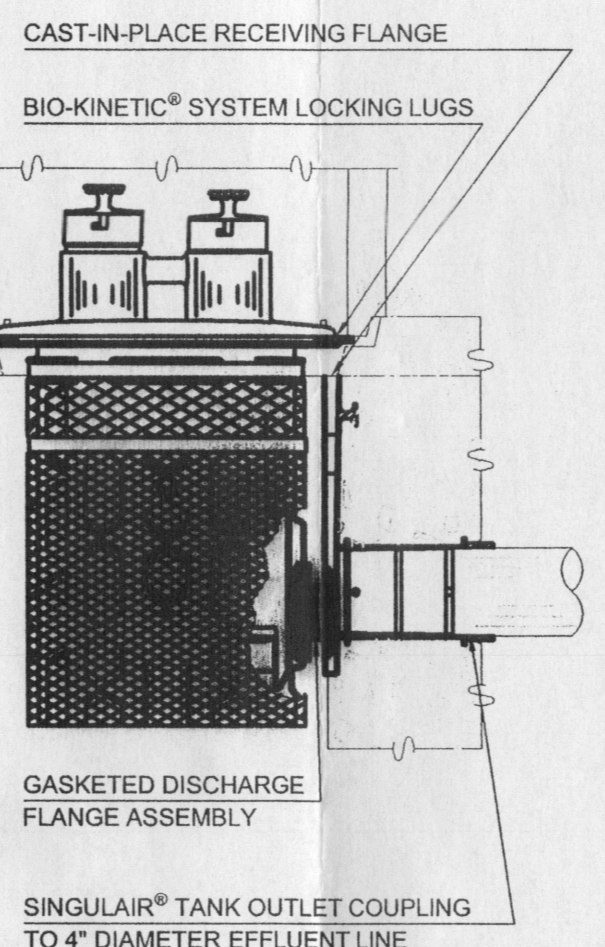
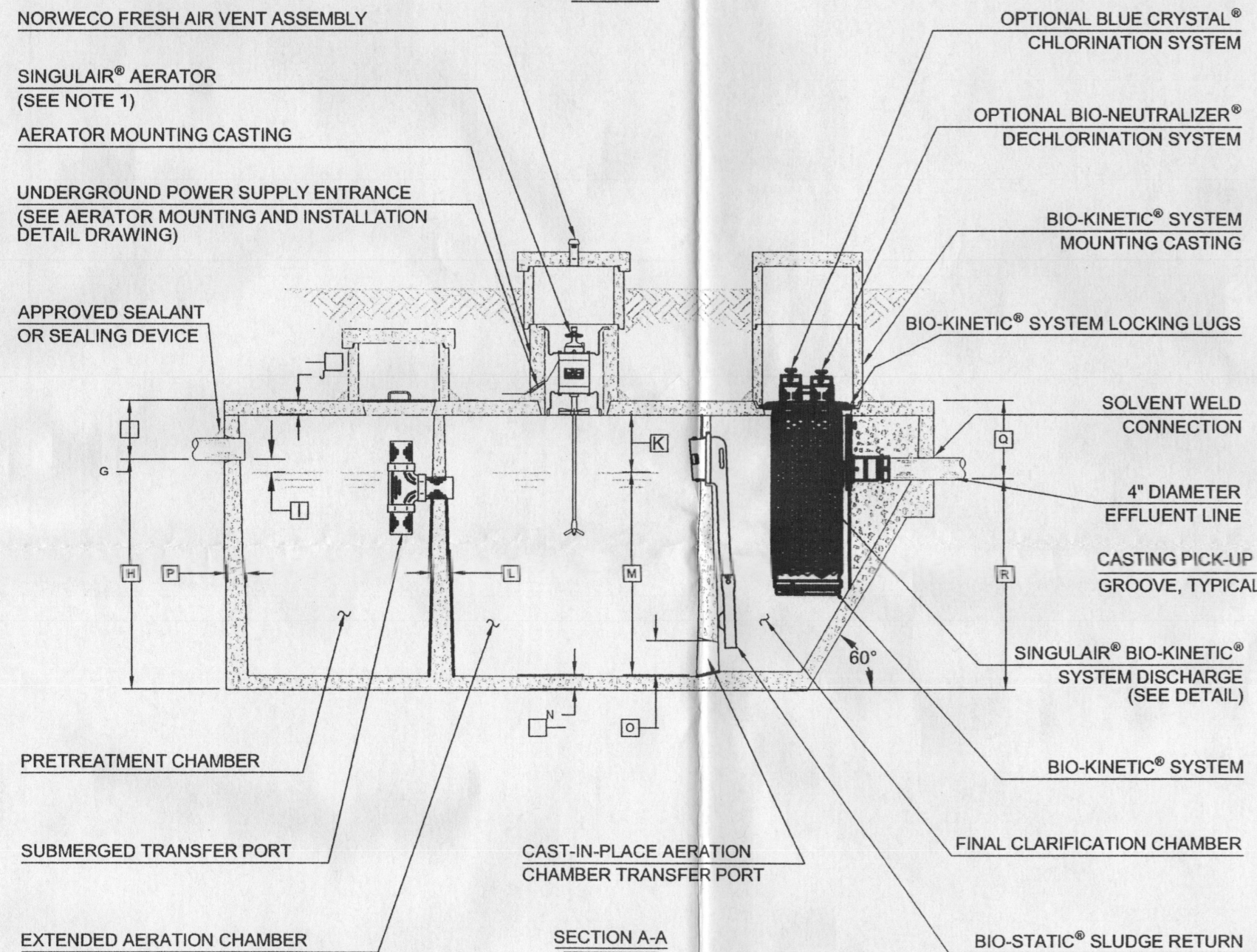
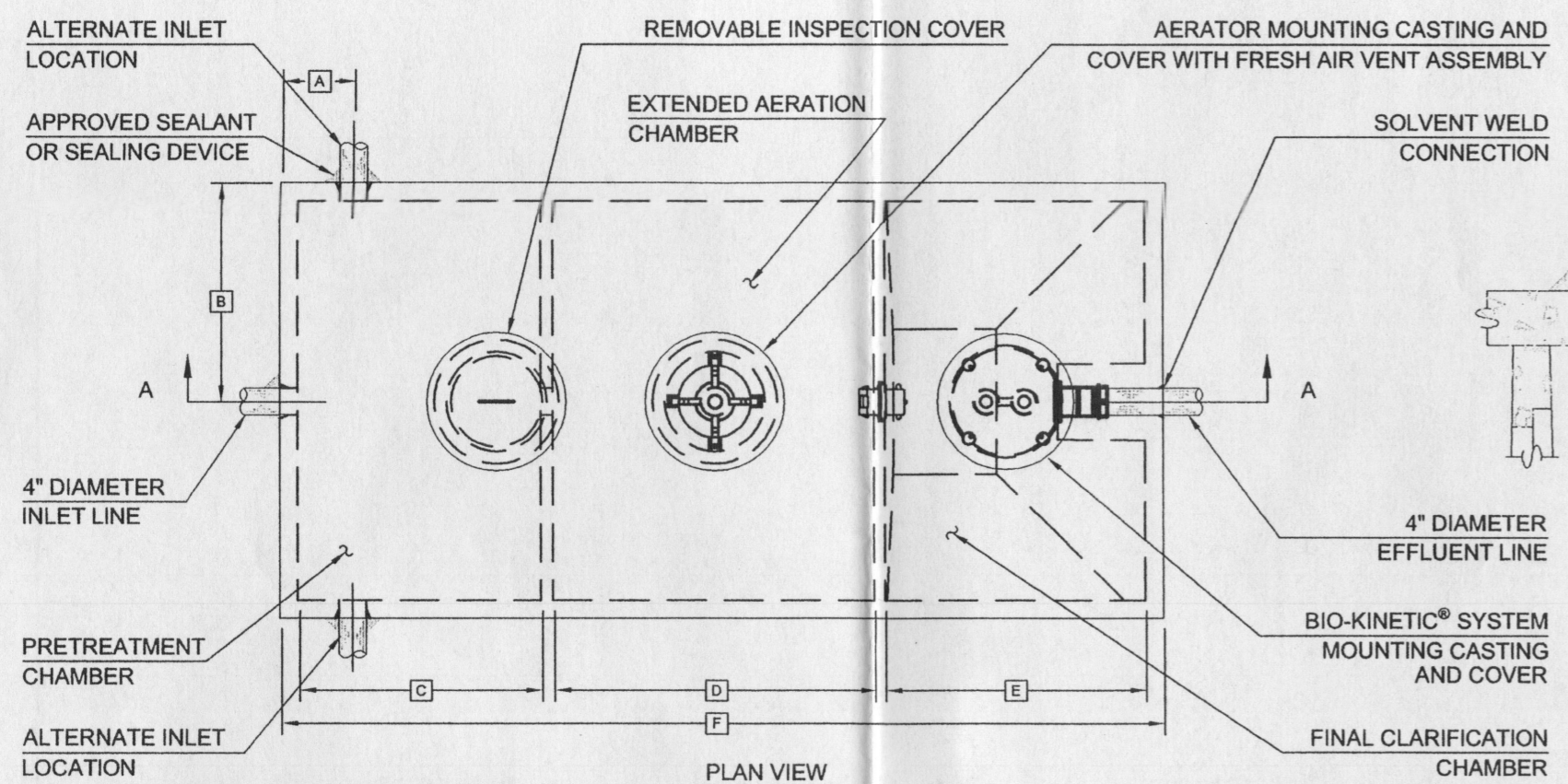
- BUILDING PERMIT PLAN NOTES:**
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 2. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION DISTRICT UNDER A GRADING PLAN AND MODIFIED FOR THIS SPECIFIC HOUSE.
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 11. THIS PLAN HAS BEEN REVISED TO REFLECT THE LIMITS OF GRADING AS SHOWN ON F-08-136.

Professional Certification: I hereby certify that these documents are a true and correct representation of the work that I and my staff have performed in accordance with the laws of the State of Maryland.
License No. 28559, Expiration Date: 7/22/15

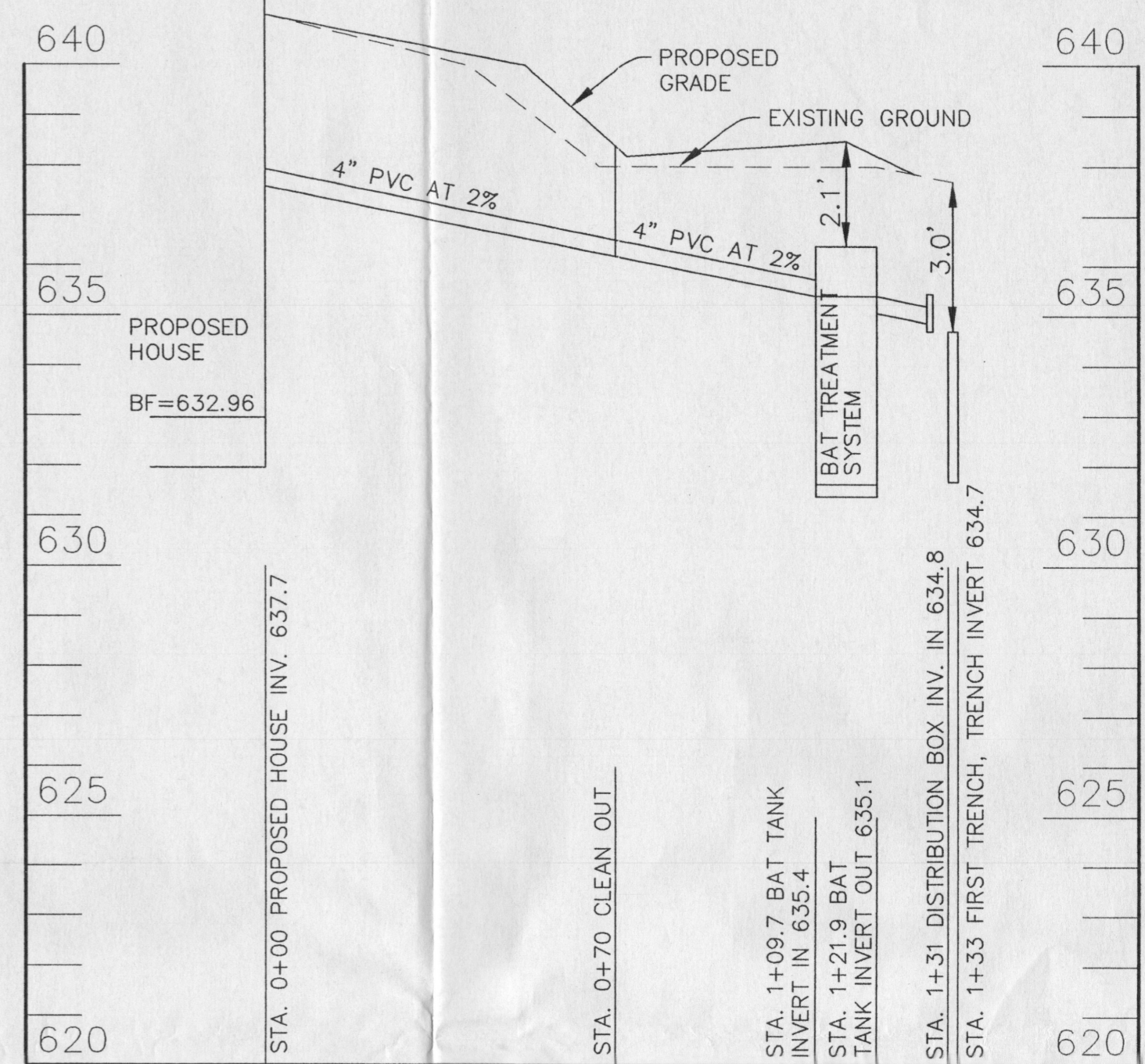
BENCHMARK
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PHONE: 410-465-6105 ▲ FAX: 410-465-6644
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OWNER/BUILDER: DR HORTON, INC. 1356 BEVERLY ROAD SUITE 300 McLEAN, VA 22101 PHONE: 571-723-0813 FAX: 800-551-5015		PROJECT: VISTA RIDGE LOT 20	
DESIGN: JMC		DRAFT: JMC	
DATE: OCTOBER 22, 2013		PROJECT NO. 1635	
SCALE: 1" = 30'		DRAWING 1 OF 2	
LOCATION: 2025 DROVERS LANE COOKSVILLE, MD 21723 TAX MAP No. 8 - BLOCK No. 23 - PARCEL No. 176 4TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND			
TITLE: BUILDING PERMIT PLAN AND BAT SITE PLAN			
HOUSE TYPE: SOMERSET			



NOTE: TOTAL SYSTEM CAPACITY: 1,300 GALLONS
 RATED CAPACITY: 750 GALLONS PER DAY
 PER MANUFACTURER.



SEWER PROFILE - LOT 20
 SCALE: VERTICAL 1"=3', HORIZONTAL 1"=30'

GENERAL NOTES:

- 1 SINGULAIR® AERATOR, AS TESTED AND ACCEPTED BY NSF, OPERATING 60 MINUTES ON / 60 MINUTES OFF.
- 2 FALL THROUGH SINGULAIR® PLANT FROM INLET INVERT TO OUTLET INVERT IS FOUR INCHES. INLET INVERT IS TWELVE INCHES BELOW TANK TOP.
- 3 ON DEEPER INSTALLATIONS, PRECAST RISERS MUST BE USED TO EXTEND AERATOR MOUNTING CASTING AND BIO-KINETIC® SYSTEM MOUNTING CASTING TO GRADE.
- 4 TANK REINFORCED PER ACI STD. 318-05.
- 5 REMOVABLE COVERS ON RISERS WEIGH IN EXCESS OF SEVENTY-FIVE POUNDS EACH TO PREVENT UNAUTHORIZED ACCESS.
- 6 CONTACT THE LOCAL, LICENSED SINGULAIR® DISTRIBUTOR FOR ELECTRICAL REQUIREMENTS.

SEE MANUFACTURER SPECIFICATIONS FOR DETAILS. WWW.NORWECO.COM

CRITICAL DIMENSIONS			
A	1'-0"	N	0'-3"
B	3'-0"	O	0'-6"
C	3'-4"	P	0'-3"
D	4'-5"	Q	1'-4"
E	3'-7"	R	3'-8"
F	12'-2"	S	5'-0"
G	1'-0"	T	2'-0"
H	4'-0"	U	6'-0"
I	0'-3"	V	
J	0'-3"	W	
K	1'-0"	X	
L	0'-2"	Y	
M	3'-6"	Z	

U.S. AND FOREIGN PATENTS PENDING

norweco 3-26-07 BDS

LOW-PROFILE SINGULAIR® BIO-KINETIC® WASTEWATER TREATMENT SYSTEM MODEL THTLP-600 GPD

DESIGNED BY JMM DATE 10-16-06 SCALE NTS

PC-S-7091

- Required BAT Site Plan Notes
1. Any change to the locations or depths to any components must be approved by the engineer and the Howard County Health Department prior to installation. A revised sit plan may be required.
 2. The maximum depth of the BAT shall be per the manufacturer's specification, 3.0'.
 3. The blower may not be located further from the tank than the manufacturer's specifications, 75'.
 4. The BAT system shall be maintained and operated for the life of the system.
 5. The BAT shall be operated by and maintained by a certified service provider.
 6. Within one month of installation, a person installing the BAT system shall report to the Maryland Department of the Environment (MDE) in a manner acceptable to MDE, the address and date of completion of the BAT installation and the type of BAT installed.
 7. Electrical work for the BAT installation must be performed by a licensed electrician.
 8. An agreement and Easement must be completed and signed by all applicable parties, and recorded in Land Records of Howard County.
 9. The Health Department requires documentation for the start-up certification from the manufacturer prior to final approval of the installation.

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Professional Certification. I hereby certify that these documents 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. 28559, Expiration Date: 7-22-2015.

FOR SEWER PROFILE ONLY

STATE OF MARYLAND
 BRYAN F. CLEARY
 No. 28559
 REGISTERED
 PROFESSIONAL ENGINEER

10/23/2013

OWNER/BUILDER: DR HORTON, INC. 1356 BEVERLY ROAD SUITE 300 MCLEAN, VA 22101 PHONE: 571-723-0813 FAX: 800-551-5015	PROJECT: VISTA RIDGE LOT 20
LOCATION: 2025 DROVERS LANE COOKSVILLE, MD 21723 TAX MAP No. 8 - BLOCK No. 23 - PARCEL No. 176 4TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND TAX ID NUMBER 04-595485	TITLE: BUILDING PERMIT PLAN AND BAT SITE PLAN
HOUSE TYPE: SOMERSET	DATE: OCTOBER 22, 2013 PROJECT NO. 1635
DESIGN: JMC DRAFT: JMC	SCALE: 1" = 30' DRAWING 2 OF 2