

Bureau of Environmental Health

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www.hchealth.org

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Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: _____

Subdivision: Rivercrest Lot: 2

Initial system: Application rate: 1.2 Effective area beginning depth: 4 Bottom maximum depth: 7
1st Replacement: Application rate: 1.2 Effective area beginning depth: 4 Bottom maximum depth: 7
2nd Replacement: Application rate: 1.2 Effective area beginning depth: 4 Bottom maximum depth: 7
Design Flow = 150 gallons per day per bedroom
Design flow + application rate = square footage of drainfield required
Linear length of trench required = drainfield square footage x sidewall reduction percentage + trench width

Sidewall reduction credit formula:

(W + 2) / (W + 1 + 2D) x 100 = Percent of length of standard trench where W=trench width and D= depth between effective area beginning depth and trench bottom.

Standard design requirements:

- All trenches must be equal length unless low pressure dosed
All trenches must be on contour
Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is 2D +W up to a maximum spacing of 18'.
Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
Maximum trench length is 100'
Maximum pipe depth is 4'

Additional requirements:



Approved: [Signature] Date: 3/15/16

SOILS LEGEND		
SOIL	NAME	CLASS
GbB	Gladstone loam, 3 to 8 percent slopes	B
MaC	Manor loam, 8 to 15 percent slopes	B
McD	Manor loam, 15 to 25 percent slopes, very rocky	B
GmB	Glenville silt loam, 3 to 8 percent slopes	C

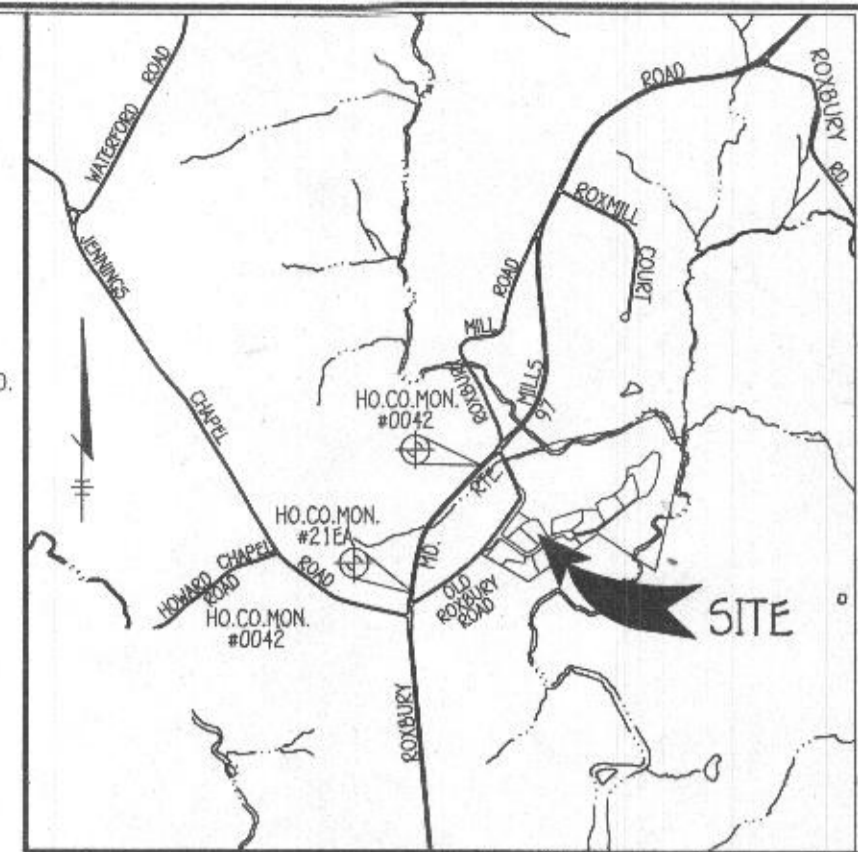
NOTE
 THE EXISTING WELL SHOWN ON THIS PLAN, TAG NO. HD #94-3635, HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC., PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.

- NOTES:**
- * Hydric soils and/or contains hydric inclusions
 - ** May contain hydric inclusions
 - † Generally only within 100-year floodplain areas

BENCH MARKS

T.P. 0042 ELEV. 505.686
 N. 582.213.359
 E. 1,298.954.882
 LOC. NEAR INTERSECTION OF
 MD. RTE. 97 & ROXBURY ROAD

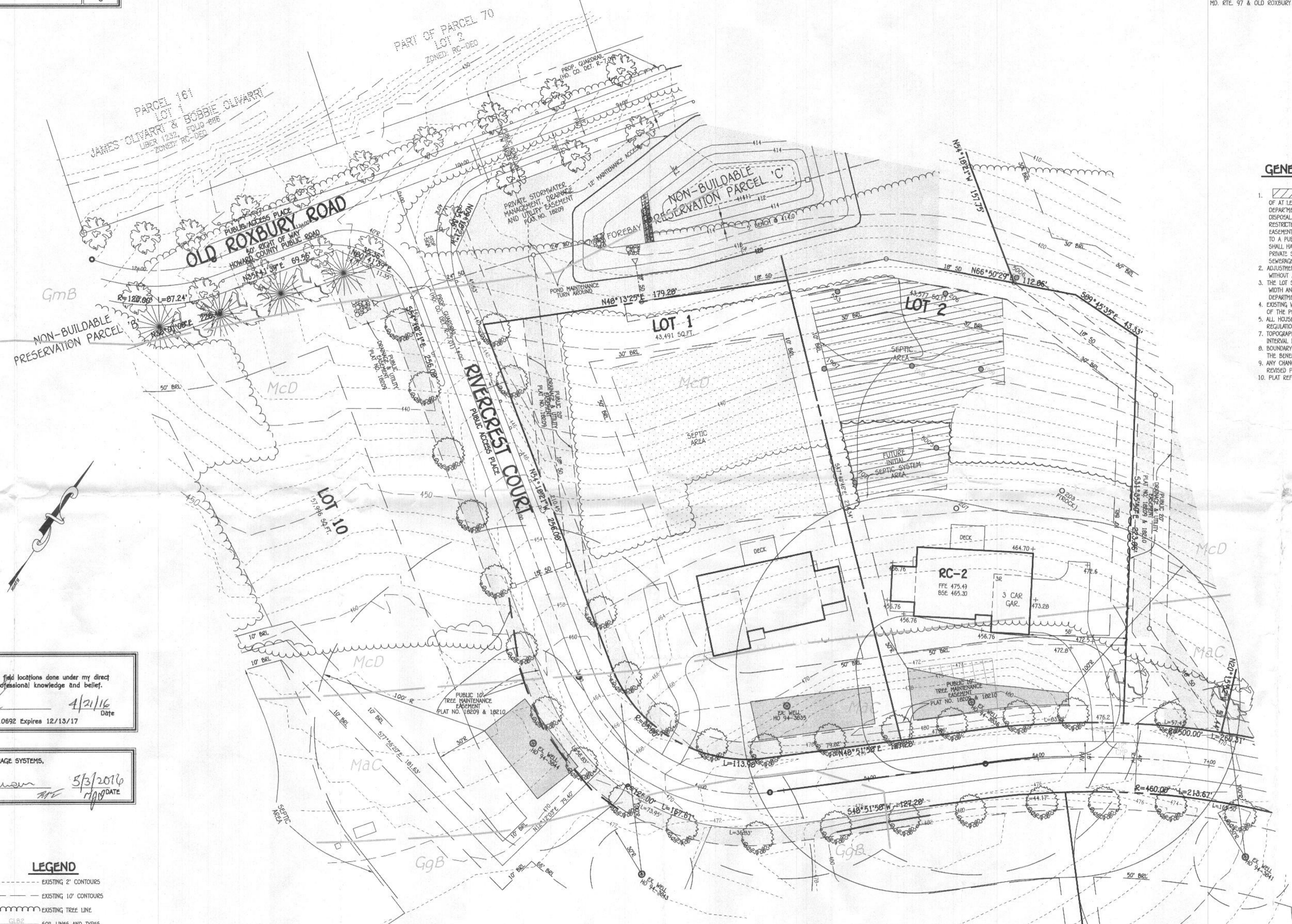
T.P. 211A ELEV. 451.650
 N. 582.715.133
 E. 1,300.495.984
 LOC. NEAR INTERSECTION OF
 MD. RTE. 97 & OLD ROXBURY RD.



VICINITY MAP
 SCALE: 1" = 2000'

GENERAL NOTES:

- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECONSTRUCTION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
- ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
- THE LOT SHOWN HEREON COMPLEES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM ALL REASONABLE EFFORTS.
- ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 5' CONTOUR INTERVAL INTERPOLATED FOR 2' CONTOUR INTERVAL.
- BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISOR PERC CERTIFICATION PLAN.
- PLAT REFERENCE 18209 & 18210



PERC CERTIFICATION OF MARYLAND
 I certify that the locations of perc points are based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.
 Signature of Professional Land Surveyor: Terrell A. Fisher, No. 10692 Expires 12/13/17
 Date: 4/21/16

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT.
 Signature for Maria Rossman, County Health Officer
 Date: 5/3/2016

- LEGEND**
- EXISTING 2' CONTOURS
 - EXISTING 10' CONTOURS
 - EXISTING TREE LINE
 - SOIL LINES AND TYPES
 - DENOTES PROPOSED WELL
 - DENOTES FAILED PERC
 - DENOTES PASSED PERC
 - DENOTES PROPOSED HOUSE
 - DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE

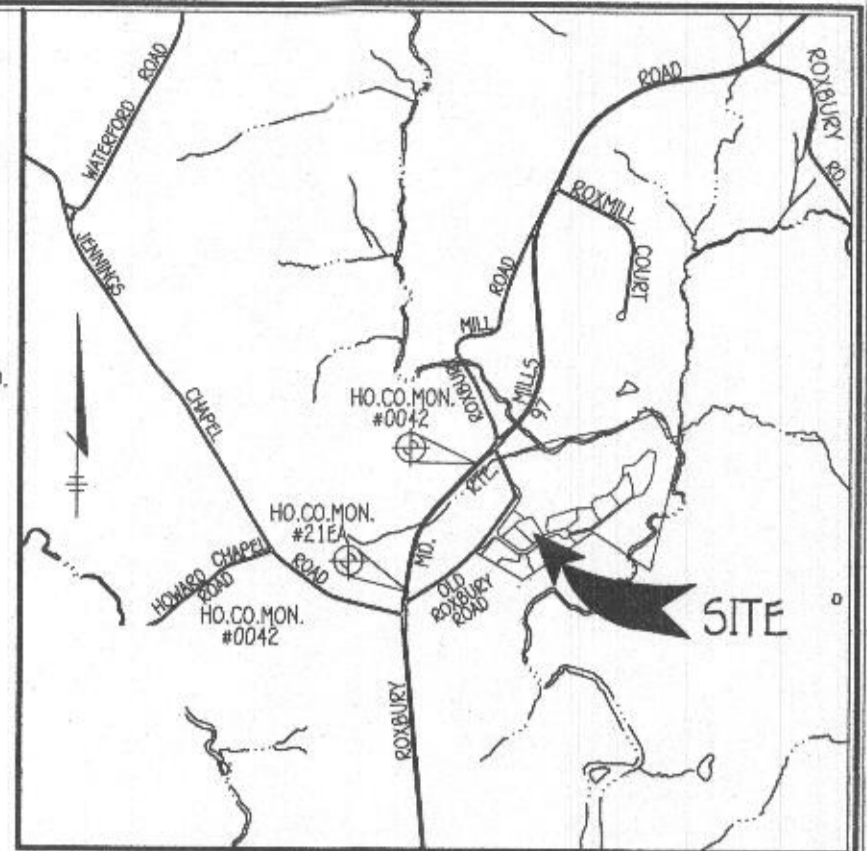
PERC CERTIFICATION PLAT
RIVERCREST
 LOT 2
 15421 RIVERCREST COURT
 ZONED: RC-DEO PLAT NO.: 18208 THRU 18210
 TAX MAP NO.: 21 GRID NO.: 20 PARCEL NO.: 84
 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30' DATE: APRIL 13, 2016
 SHEET 1 OF 1

SOILS LEGEND		
SOIL	NAME	CLASS
GhB	Gladstone loam, 3 to 8 percent slopes	B
MaC	Manor loam, 0 to 15 percent slopes	B
McD	Manor loam, 15 to 25 percent slopes, very rocky	B
GmB	Glenville silt loam, 3 to 8 percent slopes	C

NOTE
 THE EXISTING WELL SHOWN ON THIS PLAN, TAG NO. HD #94-3836, HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC., PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.

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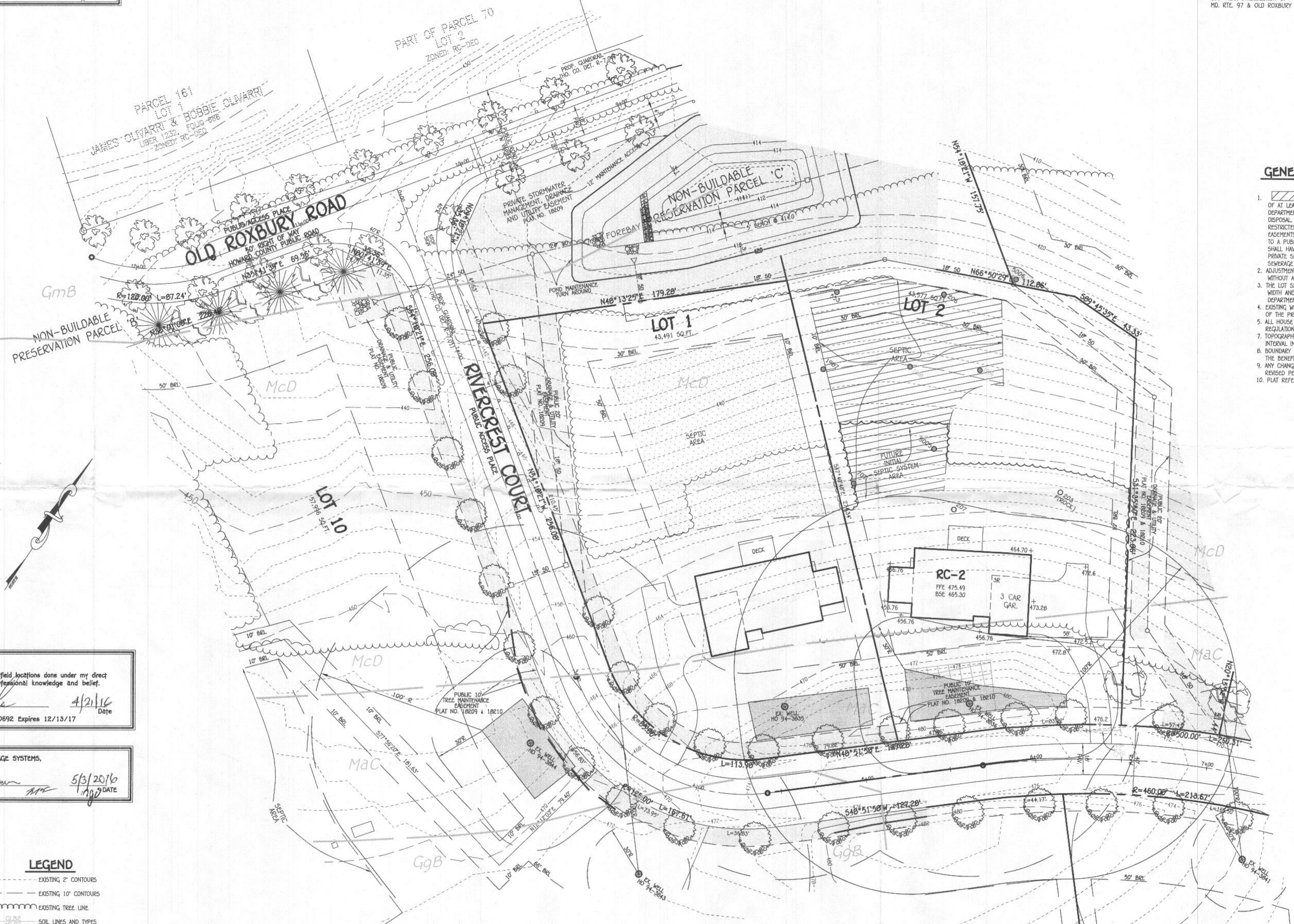
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 N. 582.715.133
 E. 1,302.495.984
 LOC. NEAR INTERSECTION OF
 MD. RTE. 97 & OLD ROXBURY RD.



VICINITY MAP
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- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM ALL REASONABLE EFFORTS.
- ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 5' CONTOUR INTERVAL INTERPOLATED FOR 2' CONTOUR INTERVAL.
- BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- PLAT REFERENCE 18209 & 18210



PERC CERTIFICATION
 I certify that the locations shown herein are based on field locations done under my direct supervision and the best of my professional knowledge and belief.
 Signature of Professional Land Surveyor: *Terrell A. Fisher* 4/21/16 Date
 Terrell A. Fisher, Professional Land Surveyor No. 10692 Expires 12/13/17

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 Signature for Maria Rossman 5/3/2016 Date
 COUNTY HEALTH OFFICER

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