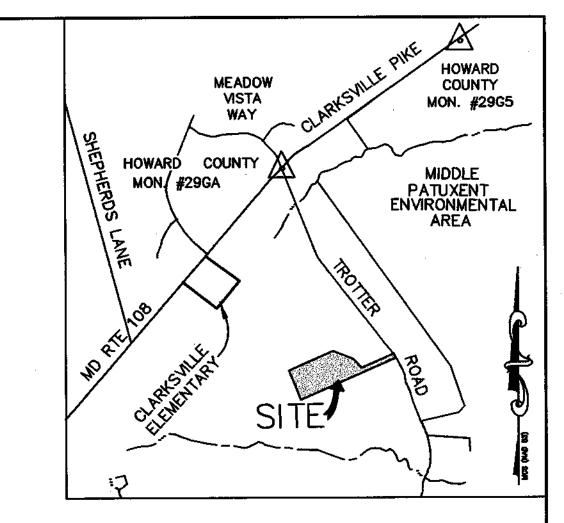
# PRELIMINARY EQUIVALENT SKETCH PLANS TROTTER CROSSING

LOTS 1-125th ELECTION DISTRICT HOWARD COUNTY, MARYLAND



VICINITY MAP

R - 20

PUBLIC

#### **GENERAL NOTES**

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOL. IV "STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION" PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE

2. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410)

VOLUME III (1993) AND AS MODIFIED BY "GUIDELINES FOR STREET LIGHTS IN RESIDENTIAL DEVELOPMENTS, (JANUARY 1998)." A MINIMUM SPACING OF

7. THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE

PUBLIC WATER WILL CONNECT TO WATER BEING CONSTRUCTED UNDER HOWARD COUNTY CAPITAL PROJECT # S-6239. THE EXISTING PRIVATE WELL

EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED

12. THE WETLANDS DELINEATION STUDY FOR THIS PROJECT WAS PREPARED BY PATTON HARRIS RUST AND ASSOCIATES, DATED DECEMBER 2002.

13. THE TRAFFIC STUDY FOR THIS PROJECT WAS PREPARED BY MARS GROUP AND APPROVED DATED MAY 15, 2003

14. A NOISE STUDY IS NOT REQUIRED FOR THIS PROJECT.

15. THE BOUNDARY SURVEY FOR THIS PROJECT WAS PREPARED BY PATTON HARRIS RUST AND ASSOCIATES DATED MARCH 2003.

16. SUBJECT PROPERTY ZONED R-20 PER 10-18-93 COMPREHENSIVE ZONING PLAN

17. ALL ELEVATIONS SHOWN ARE BASED ON THE U.S.C. AND G.S. MEAN SEA LEVEL DATUM, 1929.

18. SEE DEPARTMENT OF PLANNING AND ZONING FILE NO'S: F-84-12. (FOREST HILLS LOT 32)

19. THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS

20. CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY

21. PIPE SHALL NOT BE INSTALLED BY THE CONTRACTOR UNTIL THE LENGTH CALLED FOR AT EACH STATION HAS BEEN APPROVED BY THE ENGINEER

22. NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT WITHIN 6" OF FINISHED GRADE.

23. ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS

25. STORM DRAIN TRENCHES WITHIN ROAD RIGHT OF WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, i.e., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, LATEST AMENDMENTS.

26. PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.

27. DESIGNED TRAFFIC SPEED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL VOL. III. ALL 40' RIGHT OF WAYS 20 M.P.H.

28. ALL FILL AREAS WITHIN ROADWAY AND UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM OF 95 % COMPACTION OF AASHTO T180.

29. ALL STREET CURB RETURNS SHALL HAVE 25' RADII UNLESS OTHERWISE NOTED.

30. ALL STREET LIGHTS SHALL BE LOCATED BETWEEN 2'-0" AND 4'-0" BEHIND FACE OF CURB.

31. TYPE AND NUMBER OF STREET TREES SHOWN ON THIS PLAN ARE TENTATIVE AND ARE USED FOR BOND PURPOSES ONLY. THE FINAL LOCATION AND VARIETY OF LOCATION AND VARIETY OF TREES MAY VARY TO ACCOMODATE FIELD CONDITIONS INCLUDING 20' CLEARANCE OF ANY STREET LIGHT AND SHALL BE IN ACCORDANCE WITH THE SUBDIVISION REGULATIONS AND THE LANDSCAPE MANUAL. BOND RELEASE IS CONTINGENT UPON SECTION 16.124 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS, AS APPROVED BY THE DEPARTMENT OF PLANNING AND ZONING.

32. THERE ARE THREE EXISTING PERMANENT STRUCTURES ON-SITE. ALL EXISTING STRUCTURES WILL BE REMOVED.

33. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE STREAM OR REQUIRED BUFFER.

34. WETLANDS, 100 YEAR FLOODPLAIN, AND +15 % SLOPES HAVE BEEN SHOWN.

35. BASED ON AVAILABLE COUNTY MAPS AND RECORDS, THERE ARE NO HISTORIC STRUCTURES OR KNOWN CEMETERIES LOCATED ON THE SUBJECT

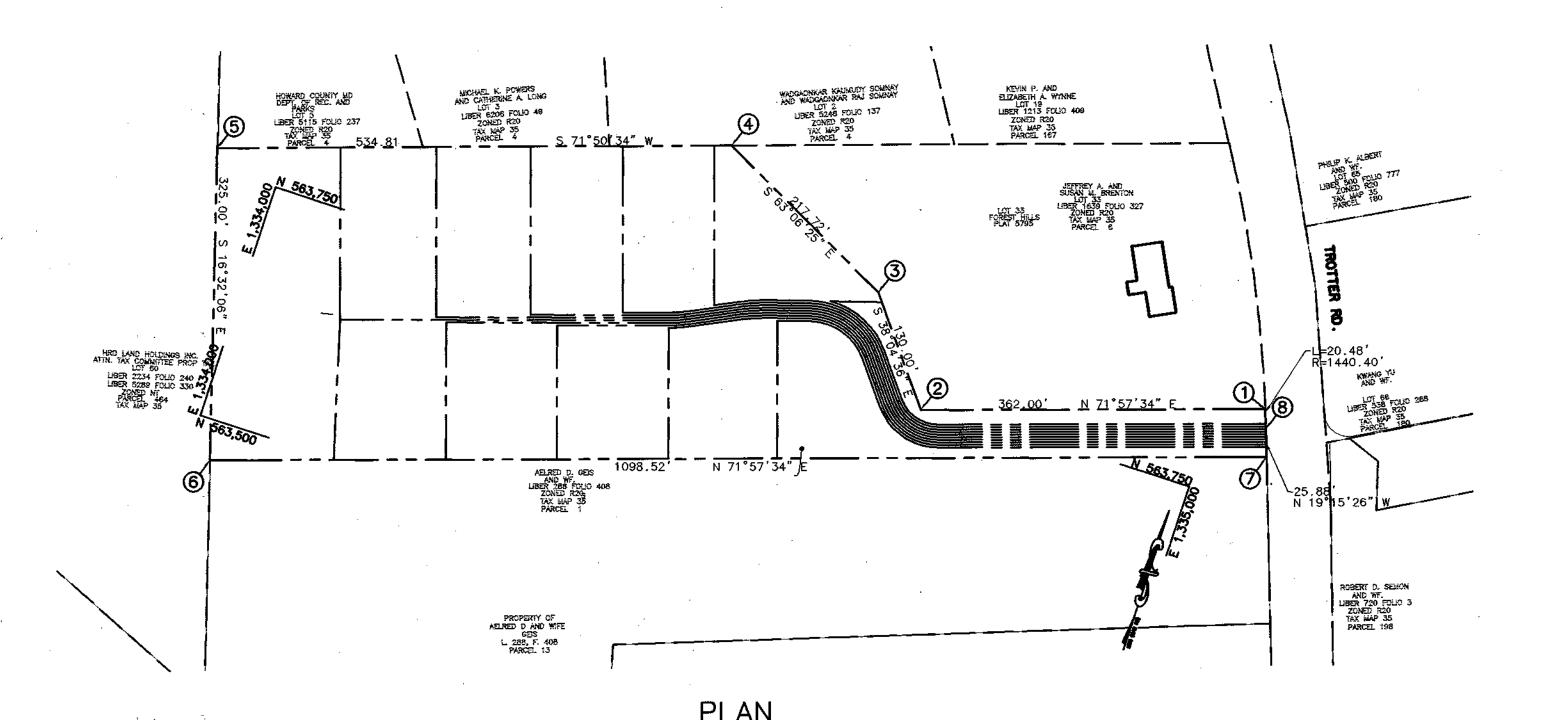
36. WP-03-123 - A REQUEST TO WAIVE SECTION 16.121(e)(1) OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS - OPEN SPACE LOTS SHALL HAVE A MINIMUM OF 40 FEET OF FRONTAGE ON A PUBLIC ROAD WHICH IS SUITABLE FOR ACCESS BY PEDESTRIANS AND MAINTENANCE VEHICLES; OPEN SPACE FRONTAGE MAY BE REDUCED TO 20 FEET IF THE ADJACENT SIDE YARD SETBACK OF ABUTTING LOTS IS INCREASED BY 10 FEET, AND 16.120(b)(4)(iv) - RESIDENTIAL LOTS SHALL NOT BE ENCUMBERED BY ACCESS EASEMENTS FOR STORMWATER MANAGEMENT FACILITIES OR OPEN SPACE HAS BEEN APPROVED BY LETTER DATED JUNE 2, 2003 AND SUBJECT TO THE FOLLOWING CONDITIONS: (1) IN ACCORDANCE WITH THE ENCLOSED COMMENTS FROM THE DEPARTMENT OF RECREATION AND PARKS, THE DEVELOPER SHALL TRANSFER OPEN SPACE LOT 6 TO HOWARD COUNTY, IN ADDITION THE DEVELOPER SHALL PROVIDE A 12 WIDE (MINIMUM) ACCESS EASEMENT FOR PEDESTRIAN AND VEHICULAR ACCESS TO OPEN SPACE LOT 6 WHICH SHALL EXTEND FROM TROTTER ROAD TO OPEN SPACE LOT 6. THIS EASEMENT SHALL BE WITHIN THE PROPOSED USE IN COMMON DRIVEWAY EASEMENT SERVING RESIDENTIAL LOTS TO THE WESTERN TERMINUS OF THAT SHARED DRIVEWAY EASEMENT AND BEYOND TO THE BOUNDARY OF OPEN SPACE LOT 6. (2) A MAINTENANCE AGREEMENT FOR THE SHARED DRIVEWAY WITHIN A 24 FOOT WIDE EASEMENT SHALL BE RECORDED WITH THE CORRESPONDING SUBDIVISION PLAT. THIS DOCUMENT SHALL PROVIDE FOR ACCESS TO OPEN SPACE LOT 6 BUT SHALL EXCLUDE THE DEPARTMENT OF RECREATION AND PARKS FROM ALL MAINTENANCE OBLIGATIONS. (3) ON ALL PLANS AND PLATS, THE 24 FOOT WIDE USE-IN-COMMON ACCESS EASEMENT SERVING RESIDENTIAL LOTS SHALL ALSO BE LABELED AS SERVING OPEN SPACE LOT 6. (4) OPEN SPACE LOTS 11 AND 12 SHALL BE OWNED BY THE HOMEOWNER'S ASSOCIATION FOR THIS SITE, ON ALL PLANS, LABEL ACCESS PROVIDED TO OPEN SPACE LOTS 11 AND 12 FROM THE USE-IN-COMMON DRIVEWAY. MAKE THAT STIPULATION A PART OF THE MAINTENANCE AGREEMENT.

37. THE FOREST CONSERVATION OBLIGATION FOR THE PROPOSED SITE DEVELOPMENT HAS BEEN MET BY PLACING 0.22+ AC OF ON-SITE FOREST IN ON-SITE FOREST RETENTION EASEMENTS AND BY AFFORESTING 0.25 ± AC ON SITE. SURETY IN THE AMOUNT OF \$1,917 (9,583 S.F. x \$.20) HAS BEEN POSTED FOR RETENTION. SURETY IN THE AMOUNT OF \$5,445 (10,890 S.F. x \$.50) HAS BEEN POSTED FOR AFFORESTATION. PAYMENT OF FEE-IN-LIEU IN THE AMOUNT OF \$6,316.20 (12,632.4 SF x \$0.50) IS PROPOSED FOR THE REMAINING OBLIGATION OF 0.29 ± AC.

38. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING MUST BE POSTED AS PART OF THE DEVELOPER'S AGREEMENT.

39. TROTTER ROAD IS CLASSIFIED AS A HOWARD COUNTY SCENIC ROAD. THE SCENIC ROAD IMPACT ANALYSIS WAS APPROVED ON MAY 30,

40. THIS PROJECT IS SUBJECT TO THE 5th EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS BECAUSE IT WAS SUBMITTED ON APRIL 16, 2003 PRIOR TO MAY 22, 2003.



## SITE TABULATION

EXISTING ZONING

NUMBER OF OPEN SPACE LOTS

PROPOSED WATER AND SEWER

5.42 AC (236,136 SF) GROSS AREA OF PROPERTY 0.35 AC (15,246 SF) AREA IN 100 YR. FLOODPLAIN 0.00 AC AREA OF STEEP SLOPE 5.16 AC (224,761 SF) NET TRACT AREA 3.85 AC AREA OF PROPOSED BUILDABLE LOTS 16,000 SF MINIMUM LOT SIZE SELECTED 1.03 AC (44,952 SF) AREA OF REQUIRED OPEN SPACE (20% OF NET) AREA OF PROVIDED OPEN SPACE: 1.29 AC (56,176 SF) CREDITED 0.28 AC 12,368 SF) NON-CREDITED 1.57 AC (68,544 SF) TOTAL PROVIDED NUMBER OF BUILDABLE LOTS

TENTATIVELY APPROVED DEPT OF PLANNING AND ROMING OF HOWARD COUNTY

| 1 N 563,851.42 E 1,335,050.0 |    |
|------------------------------|----|
|                              | )4 |
| 2 N 563,738.76 E 1,334,710.2 | 25 |
| 3 N 563,841.30 E 1,334,629.8 | 89 |
| 4 N 563,939.00 E 1,334,437.3 | 39 |
| 5 N 563,769.69 E 1,333,930.0 | 80 |
| 6 N 563,458.62 E 1,334,024.2 | 22 |
| 7 N 563,804.34 E 1,335,066.9 | 93 |
| 8 N 563,832.17 E 1,335,057.0 | 04 |

| MIN        | NMUM L        | OT SIZE          | TABULATION                      |
|------------|---------------|------------------|---------------------------------|
| LOT<br>NO. | GROSS<br>AREA | LESS<br>PIPESTEM | REMAINING AREA/<br>MIN LOT SIZE |
| 1          | 17,465        | 1,394            | 16,071                          |
| 2          | 18,113        | 1,712            | 16,401                          |
| 3          | 18,834        | 1,972            | 16,862                          |
| 4          | 19,634        | 2,228            | 17,406                          |
| 5          | 20,416        | 2,489            | 17,927                          |
| 7          | 18,997        | 2,462            | 16,535                          |
| 8          | 18,569        | 2,154            | 16,415                          |
| 9          | 17,978        | 1,845            | 16,133                          |
| 10         | 17,578        | 1,542            | 16,036                          |

| MIN           | NIMUM L | OT SIZE  | TABULATION      |
|---------------|---------|----------|-----------------|
| LOT           | GROSS   | LESS     | REMAINING AREA/ |
| NO.           | AREA    | PIPESTEM | MIN LOT SIZE    |
| 1             | 17,465  | 1,394    | 16,071          |
| 2             | 18,113  | 1,712    | 16,401          |
| <u>2</u><br>3 | 18,834  | 1,972    | 16,862          |
| 4             | 19,634  | 2,228    | 17,406          |
| 5             | 20,416  | 2,489    | 17,927          |
| 7             | 18,997  | 2,462    | 16,535          |
| 8             | 18,569  | 2,154    | 16,415          |
| 9             | 17,978  | 1,845    | 16,133          |
| 10            | 17,578  | 1,542    | 16,036          |

DATE N REVISION OWNER JOSEPH H. RICHMOND & WFE P.O. BOX 193 5686 TROTTER ROAD CLARKSVILLE, MD 21029-0193 DEVELOPER CORNERSTONE HOLDINGS, LLC

(410) 792-2565 TROTTER CROSSING LOTS 1-12

ATTN: BRIAN BOY

9691 NORFOLK AVENUE

LAUREL, MD 20723

A RESUBDIVISION OF FOREST HILLS LOT 32 AREA TAX MAP 35 GRID 2 PARCEL 6 ZONING R-20

TITLE SHEET

5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

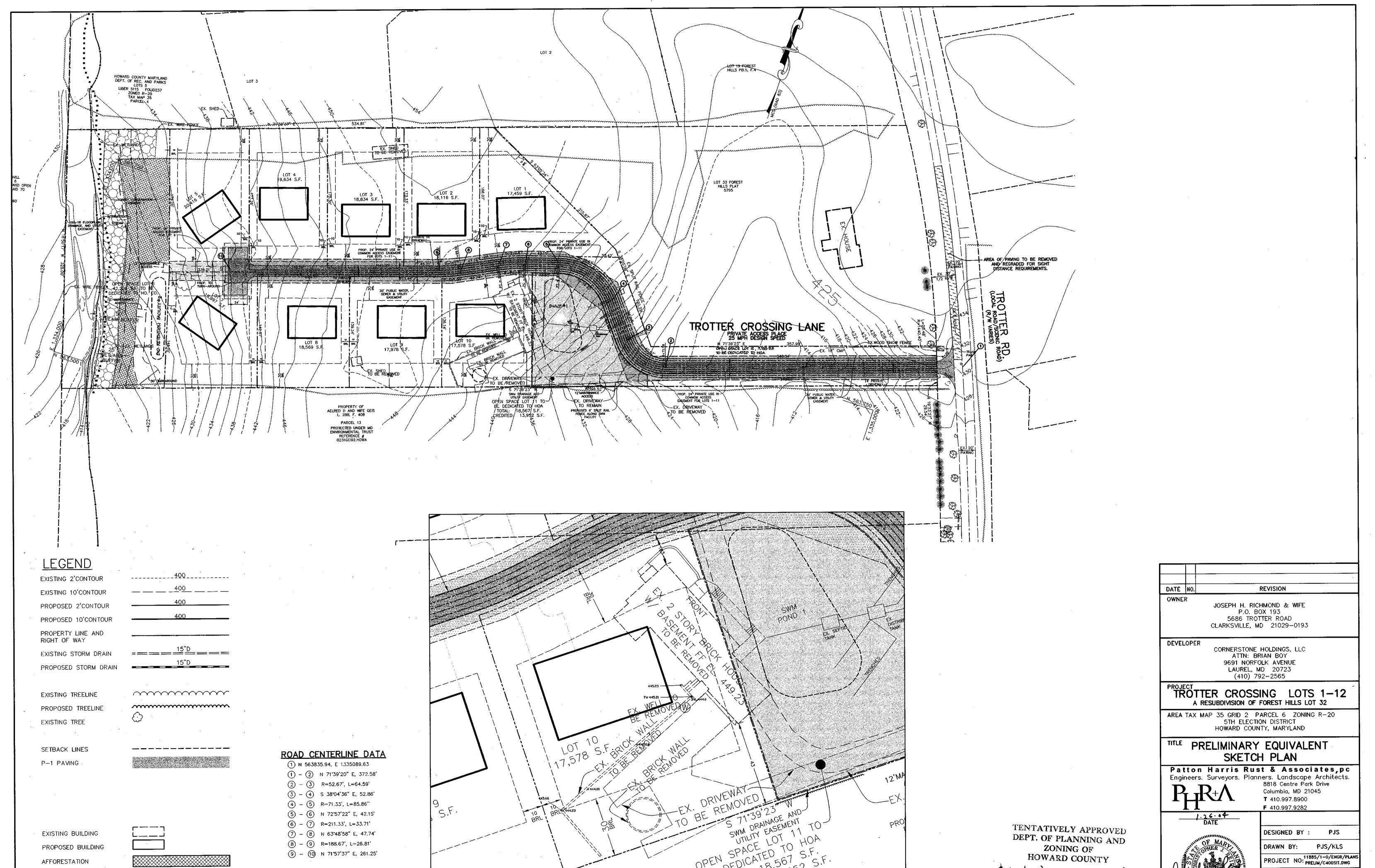
Patton Harris Rust & Associates,pc Engineers. Surveyors. Planners. Landscape Architects.

8818 Centre Park Drive Columbia, MD 21045 T 410.997.8900 **F** 410.997.9282

DRAWING NO. \_1\_OF \_6\_

DESIGNED BY : PJS DRAWN BY: PJ\$/KLS PROJECT NO: 11885/1-0/ENGR/PLANS DATE: JANUARY 26, 2004 SCALE : AS SHOWN

CHRISTOPHER J. REID #19949



FOREST RETENTION

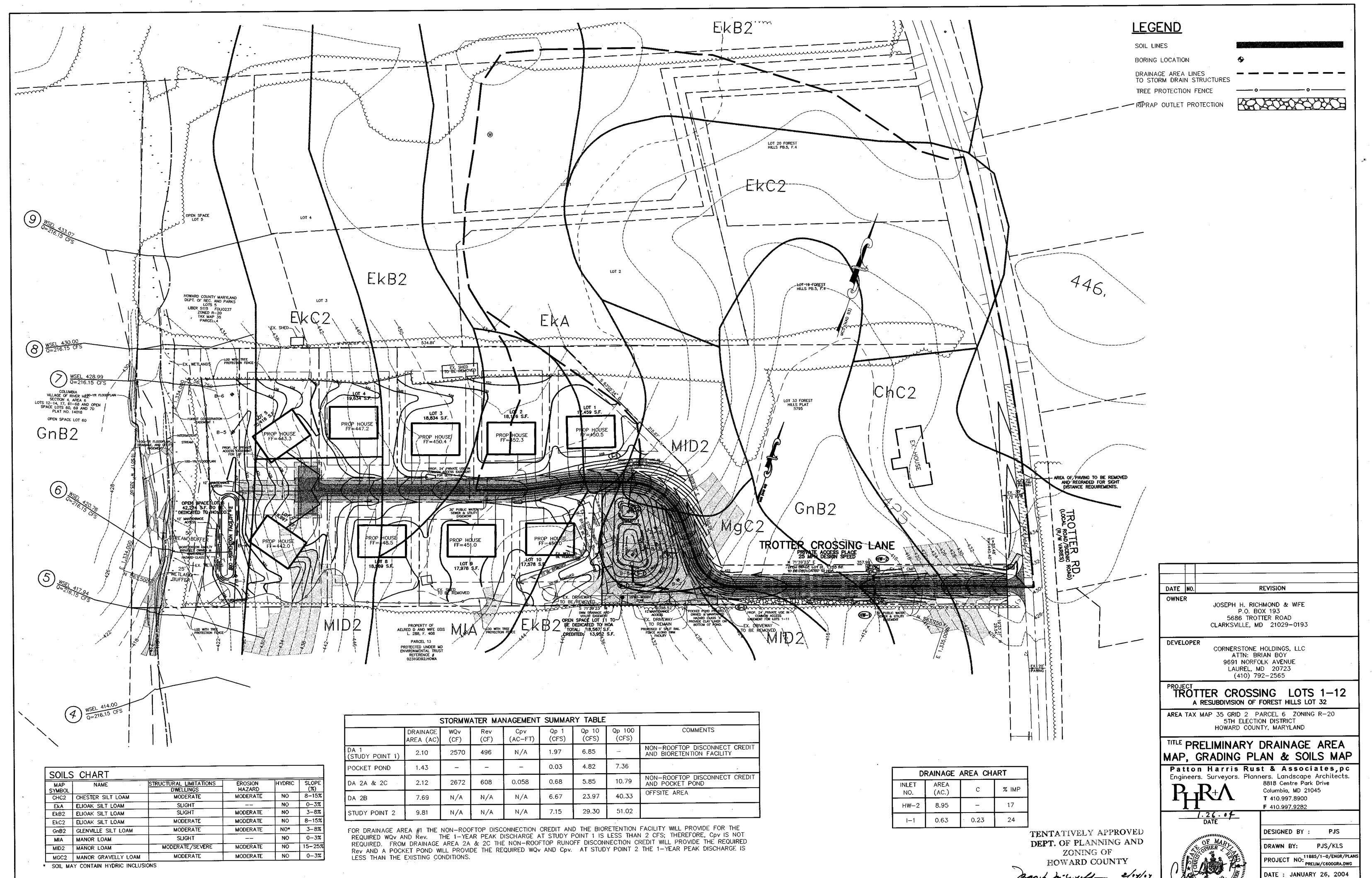
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DATE: JANUARY 26, 2004

SCALE : 1" = 50'

CHRISTOPHER J. REID #19949 DRAWING NO. 2 OF 6

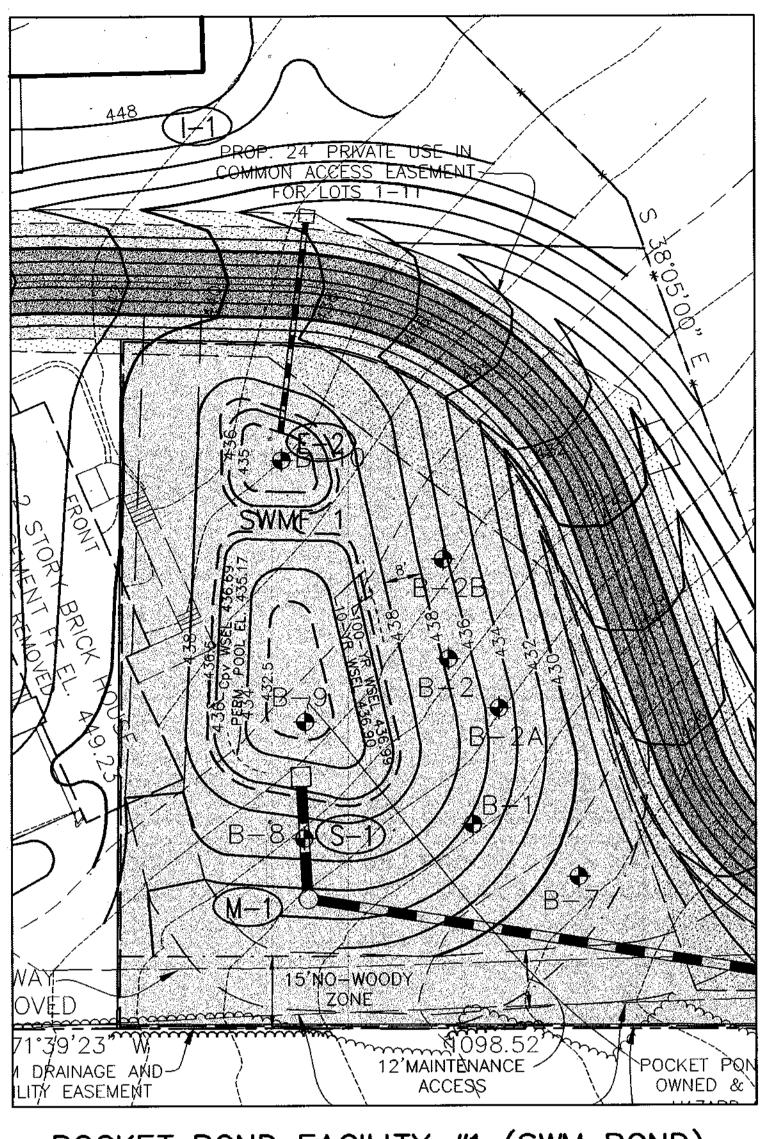
SP-03-15



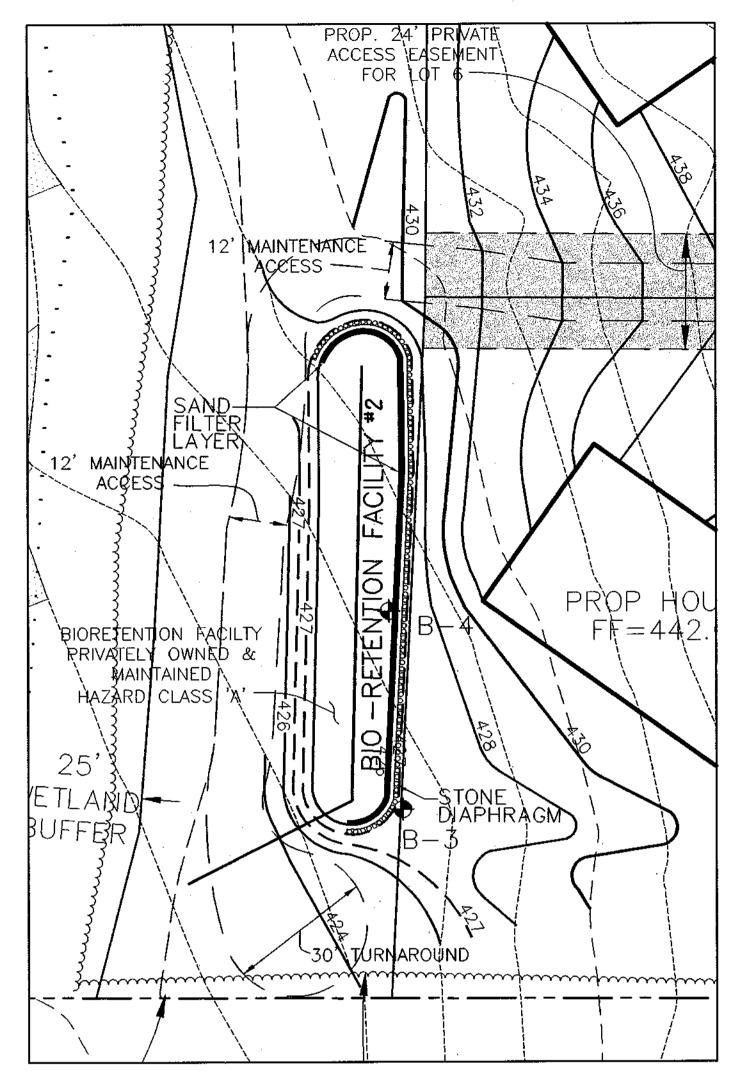
\\11885\1-0\Engr\Plans\Prelim\C600GRA.dwg, Layout1, 01/23/2004 12:29:32 PM, HP750C(36).pc3, Arch D - 24 x 36 in. (landsc

SCALE: 1" = 50'

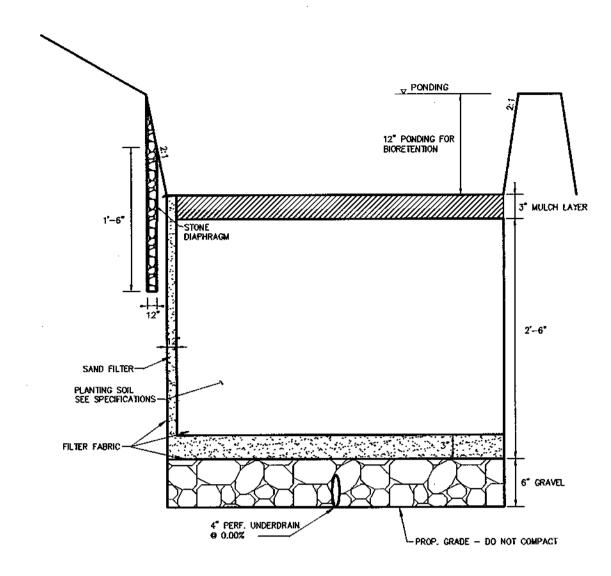
CHRISTOPHER J. REID # 19949 DRAWING NO. 3 OF 6



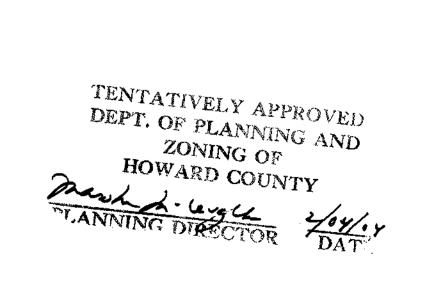
POCKET POND FACILITY #1 (SWM POND) SCALE: 1"=20"

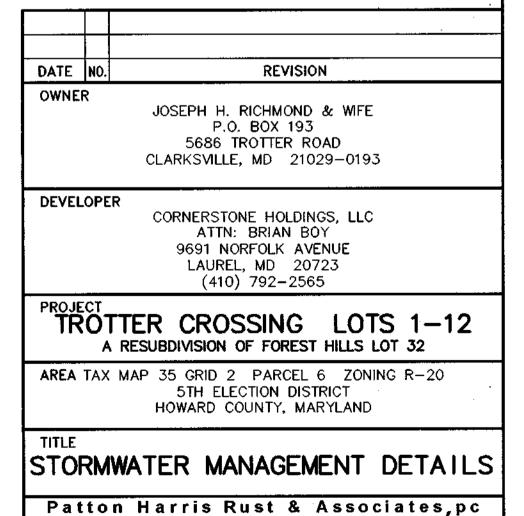


BIORETENTION FACILITY #2 (SWM POND)



TYPICAL BIORETENTION FACILITY #2 SECTION (SWM POND)





Engineers. Surveyors. Planners. Landscape Architects.

8818 Centre Park Drive
Columbia, MD 21045

**T** 410.997.8900 F 410.997.9282

DRAWN BY:

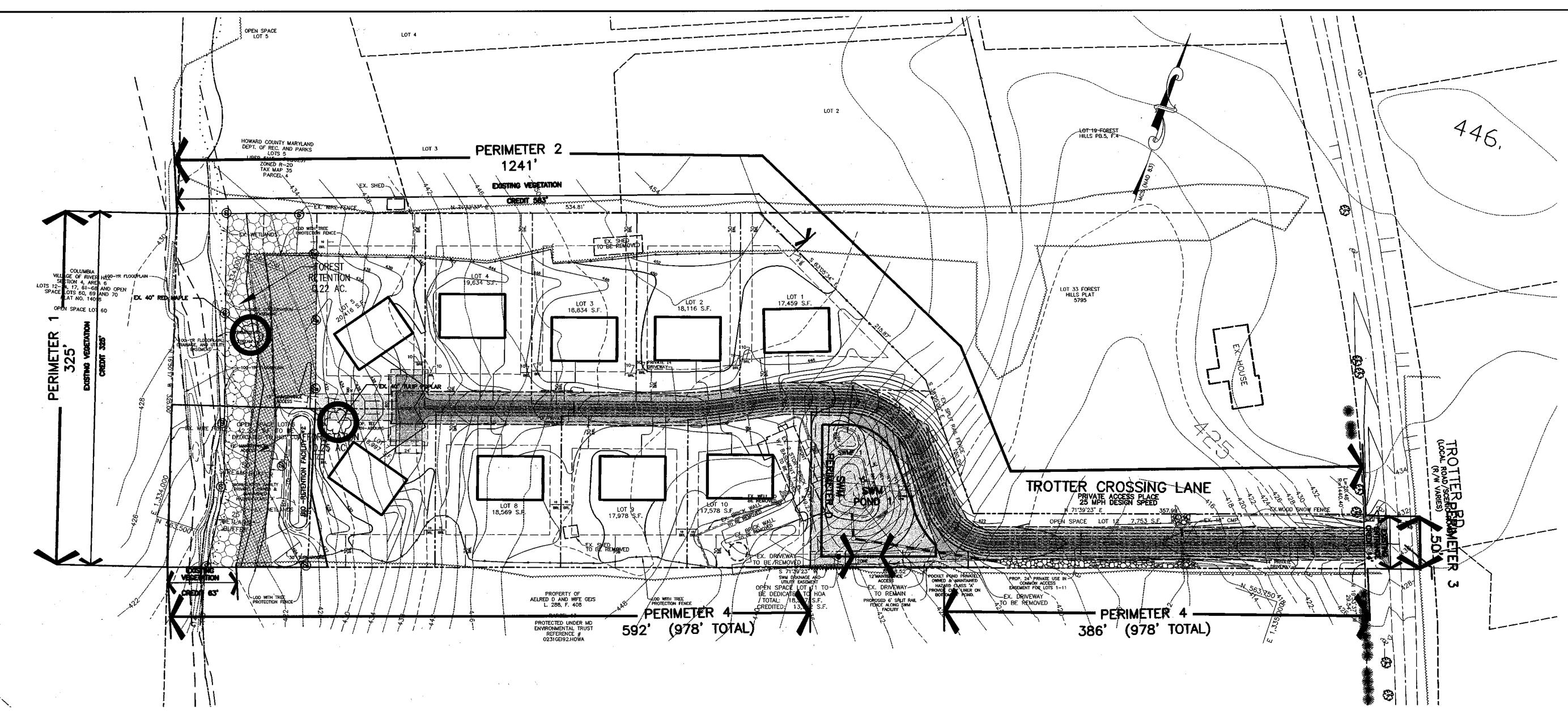
DESIGNED BY: ACR

PROJECT NO: 11885/1-0/ENGR/PLANS
PRELIM/C900DET.DWG

DATE: JANUARY 26, 2004

SCALE : 1'' = 50'

DRAWING NO. 4 OF 6



| SCHEDULE A - PERI  | METER LAND  | SCAPE EDO    | <b></b>      |                     |
|--|---|--------------|--------------|---------------------|
|  | ADJACENT TO ADJACENT TO ROADWAYS PERIMETER PROPERTIES |              |              |                     |
| PERIMETER  | 3   | 1            | 2            | 4                   |
| LANDSCAPE TYPE   | NONE  | Α            | A            | Α                   |
| LINEAR FEET OF ROADWAY<br>FRONTAGE/ PERIMETER  | 50'±  | 325 ' ±      | 1241'±       | 978'±               |
| CREDIT FOR EXISTING VEGETATION<br>(YES, NO, LINEAR FEET)<br>(DESCRIBE BELOW IF NEEDED) | NO NO   | YES<br>325'± | YES<br>583'± | YES<br>63'±         |
| CREDIT FOR DRIVE ENTRANCES<br>(YES, NO, LINEAR FEET)                                   | YES<br>14'  | NO           | NO           | NO :                |
| LINEAR FEET REMAINING  | 36'±  | 0'±          | 707'±        | 915'±               |
| CREDIT FOR WALL, FENCE, OR BERM<br>(YES/NO/LINEAR FEET)                                | NO  | NO           | NO           | NO                  |
| NUMBER OF PLANTS REQUIRED<br>SHADE TREES<br>EVERGREEN TREES<br>SHRUBS                  | 000   | 0 0 0        | 12<br>0<br>0 | 15<br><i>0</i><br>0 |

| STREET TRE        | E CALCULA | ATIONS | * 4      |
|-------------------|-----------|--------|----------|
| ROAD A            | 18801/40  | 47 LAR | E TREES  |
| TOTAL TREES REQUI | (RED      | 47 LAR | HE TREES |

NOTE: STREET TREES BONDED WITH LANDSCAPE PLANTINGS AND STORM WATER MANAGEMENT PLANTINGS.

\* LANDSCAPE TREES ALONG PRIVATE ACCESS PLACE.

| SCHEDULE D - STORMWATER MANAGEMENT AREA LANDSCAPING         |          |  |
|---|----------|--|
| S.W.M. POND PERIMETER                                       | 1        |  |
| LANDSCAPE TYPE  | В        |  |
| LINEAR FEET OF TOTAL PERIMETER                              | ±483     |  |
| CREDIT FOR EX. VEGETATION (NO OR YES & %)                   | NO .     |  |
| CREDIT FOR OTHER PROP. LANDSCAPING (NO OR YES & %)          | NO       |  |
| LINEAR FEET OF REMAINING PERIMETER                          | ±483 '   |  |
| NUMBER OF TREES REQUIRED:<br>SHADE TREES<br>EVERGREEN TREES | 10<br>12 |  |

NOTE: SWM FACILITY #2 WILL BE PLANTED WITHIN THE FACILITY.

1. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOMARD COUNTY CODE AND THE LANDSCAPE MANUAL.

2. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING MUST BE POSTED AS PART OF THE DEVELOPER'S

3. THIS PLAN IS FOR LANDSCAPING PURPOSES ONLY. 4. CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROCEDURES.

5. ALL MATERIAL SELECTED SHALL BE EQUAL TO OR BETTER THAN THE REQUIREMENTS OF THE "USA STANDARD FOR NURSERY STOCK", LATEST EDITION, AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.

6. ALL MATERIAL SHALL BE PLANTED IN ACCORDANCE WITH THE MINIMUM STANDARDS CITED IN THE LATEST EDITION OF "LANDSCAPE SPECIFICATION GUIDELINES" PUBLISHED BY THE LANDSCAPE CONTRACTORS

7. AT THE TIME OF INSTALLMENT, ALL SHRUBS AND OTHER PLANTINGS SHALL BE OF THE PROPER HEIGHT AND/OR SPREAD REQUIREMENTS IN ACCORDANCE WITH THIS PLAN AND THE HOWARD COUNTY LANDSCAPE MANUAL.

8. NO SUBSTITUTIONS OR RELOCATION OF PLANTS MAY BE MADE WITHOUT PRIOR APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING OF HOWARD COUNTY. ANY DEVIATION FROM THIS LANDSCAPE PLAN MAY RESULT IN A REQUIREMENT FOR SUBMITTAL OF AN OFFICIAL "REDLINE REVISION" TO THE SITE DEVELOPMENT PLAN(S) AND/OR DENIAL IN THE RELEASE OF LANDSCAPE SURETY.

DATE NO. REVISION OWNER JOSEPH H. RICHMOND & WIFE P.O. BOX 193 5686 TROTTER ROAD CLARKSVILLE, MD 21029-0193

DEVELOPER

CORNERSTONE HOLDINGS, LLC ATTN: BRIAN BOY 9691 NORFOLK AVENUE LAUREL, MD 20723 (410) 792-2565

TROTTER CROSSING LOTS 1-12 A RESUBDIVISION OF FOREST HILLS LOT 32

AREA TAX MAP 35 GRID 2 PARCEL 6 ZONING R-20 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TENTATIVELY APPROVED
DEPT. OF PLANNING AND
ZONING OF
HOWARD COUNTY

### PRELIMINARY LANDSCAPE PLAN

Patton Harris Rust & Associates,pc

Engineers. Surveyors. Planners. Landscape Architects. 8818 Centre Park Drive Columbia, MD 21045 **T** 410.997.8900 **F** 410.997.9282

DESIGNED BY: PJS

PROJECT NO: 11885/1-0/ENGR/PLANS

DATE: JANUARY 26, 2004

SCALE: 1" = 50

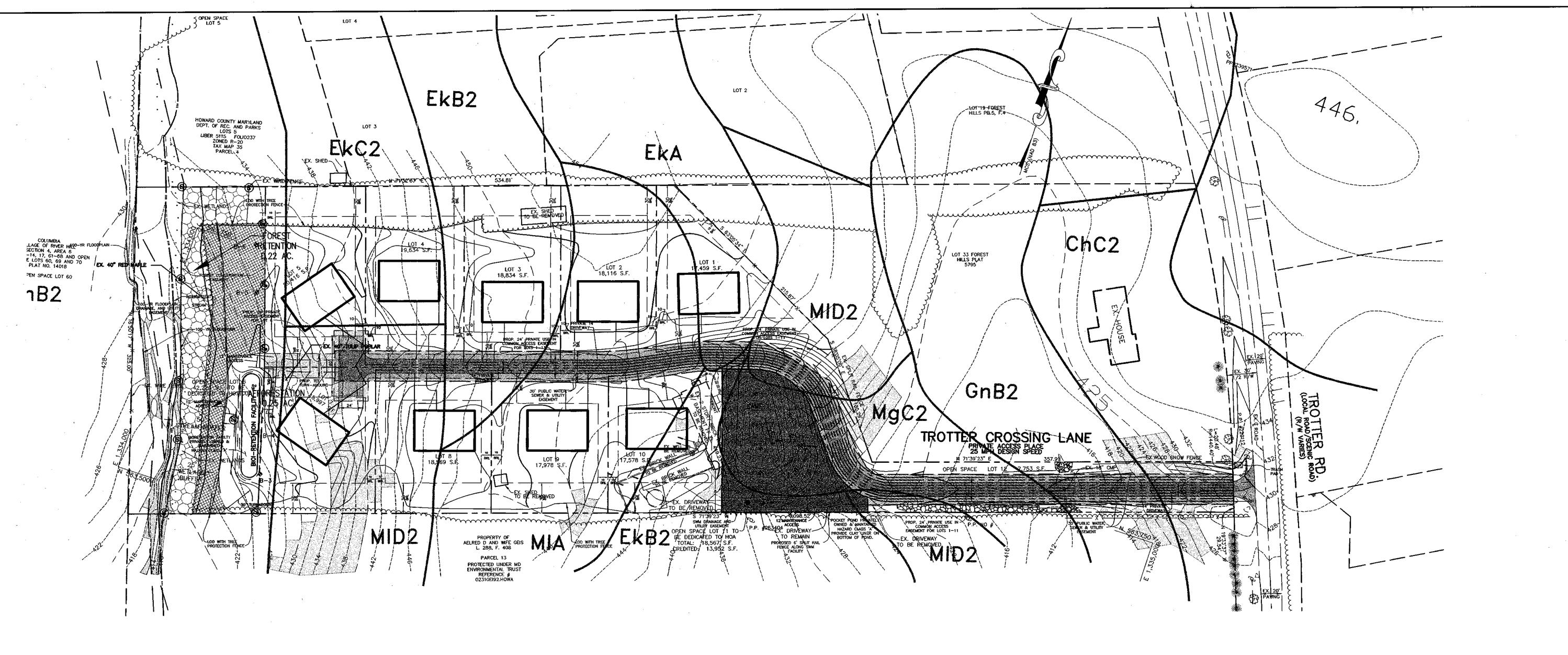
PJS/KLS

DRAWN BY:

SCOTT R. WOLFORD #797

SP-03-15

DRAWING NO. 5 OF 6



#### GENERAL NOTES:

1. THIS PLAN HAS BEEN PREPARED USING FIELD RUN TOPOGRAPHY. PORTIONS OF THE EXISTING TREELINE AND SPECIMEN TREE LOCATIONS WERE FIELD APPROXIMATED.

2. NO CRITICAL HABITATS OF RARE, THREATENED OR ENDANGERED SPECIES WERE OBSERVED.

3. NO TREES, SHRUBS, OR PLANTS IDENTIFIED AS RARE, THREATENED OR ENDANGERED SPECIES WERE OBSERVED.

4. THERE ARE NO KNOWN CEMETERIES OR BURIAL PLOTS LOCATED ON THE SITE, ACCORDING TO THE HOWARD COUNTY CEMETERIES INVENTORY.

6. THIS SITE CONTAINS NO HYDRIC SOILS AND ONE SOIL WITH POSSIBLE HYDRIC INCLUSIONS, GLENVILLE SILT LOAM (GnB2). CHESTER SILT LOAM (CHC2), ELIOAK SILT LOAM (EKA), ELIOAK SILT LOAM (EKB2), ELIOAK SILT LOAM (EKC2), MANOR LOAM (MIA), MANOR LOAM (MID2), AND MANOR GRAVELLY LOAM (MGC2) ARE ALSO PRESENT ON THE SITE.

5. THREE EXISTING STRUCTURES ARE PRESENT ON THE SITE AS SHOWN.

7. THE FSD, DATED NOVEMBER 20, 2002, HAS BEEN PREPARED BY PATTON HARRIS RUST & ASSOCIATES IN CONJUNCTION WITH THIS

8. JUSTIFICATION FOR FOREST REMOVAL: IN ORDER TO PROVIDE PARKING AND STORMWATER MANAGEMENT, A PORTIONS OF THE FORESTED AREA NEEDS TO BE CLEARED.

9. THE HOWARD COUNTY FOREST CONSERVATION MANUAL SUPERCEDES ANY DISCREPANCIES BETWEEN THE MANUAL AND THESE PLANS.

10. THIS PROJECT COMPLIES WITH THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION.

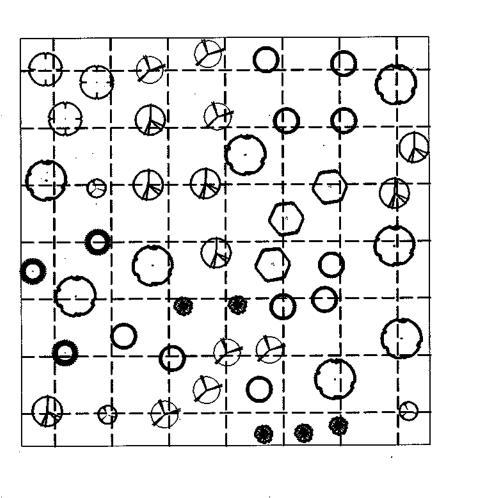
11. THE FOREST CONSERVATION OBLIGATION FOR THE PROPOSED SITE DEVELOPMENT HAS BEEN MET BY PLACING 0.22+ AC OF ON-SITE FOREST IN ON-SITE FOREST RETENTION EASEMENTS AND BY AFFORESTING 0.25± AC ON SITE, SURETY IN THE ALLOUNT OF \$1,917 (0,583 S.F. x \$.20) HAS BEEN POSTED FOR RETENTION. SURETY IN THE AMOUNT OF \$5,445 (10,800 SE x \$.50) HAS BEEN POSTED FOR AFFORESTATION. PAYMENT OF FOE-IN. LIEU IN THE AMOUNT OF # GSIG.20 (12,G324 SF  $\times$  4.50) IS PROPOSED FOR THE REMAINING OBLIGATION OF 0.23  $\pm$  AC.

| LEGEND                          |                       |
|---------------------------------|-----------------------|
| FOREST CONSERVATION<br>EASEMENT |                       |
| PROPOSED SIGNAGE                | (S) (S <sub>B</sub> ) |

#### **Howard County Forest Conservation Worksheet**

MET VIA 0.22 AC RETENTION, 0.25 AC AFFORESTATION, AND 0.29 AC FEE-IN-LIEU

Tratter Crossing Project Name: County File#: December 8, 2003 Total Tract Area 100 year Floodplain Net Tract Area Net Tract Area = (A-B-C) Land Use Category: Residential - Suburban Afforestation Threshold (Net Tract Area X \_\_\_\_\_ % 15% Conservation Threshold (Net Tract Area X\_\_\_\_\_%),20% Existing Forest Cover Existing Forest Cover within the Net Tract Area Area of Forest Above Conservation Threshold If the Existing Forest Cover (F) is greater than Conservation Threshold (G), then G = Bisting Forest Cover (F) - Conservation Threshold (E); Otherwise G = 0 H = FALSE Break Even (Amount of forest that must be retained so that no mitigation is required) (1) If the area of forest above the Conservation Threshold (G) is greater than zero, then H=(0.2 X the area of forest above Conservation Threshold (G)) + the Conservation (2) If the area of forest above the Conservation Threshold (G) is equal to zero, then H = Existing Forest Cover (F) 1 = FALSE Forest Clearing Permitted Without Mitigation I = Existing Forest Cover (F) - Break Even Point (H) Proposed Forest Clearing J = <u>0.00</u> K = <u>0.22</u> Total Area of Forest to be Cleared Total Area of Forest to be Retained K = Existing Forest Cover (F) - forest to be cleared (J) Planting Requirements If the Total Area of Forest to be Cleared (K) is at or above the Breakeven Point (H), no planting is required and no further calculations are necessary (L=0, M=0, N=0, P=0); If not, calculate the planting requirement below. Reforestation for Clearing Above the Conservation Threshold L = \_\_\_\_\_0.00 (1) if the total area of forest to be retained (K) is greater than the Conservation Threshold (E), then L= the area of forest to be cleared (J) X 0.25; or (2) If the forest to be retained (K) is less than or equal to the Conservation. Threshold (E), then L = area of forest above Conservation Threshold (G) X 0.25 Reforestation for Clearing Below the Conservation Threshold (1) if Existing Forest Cover (F) is greater than Conservation Threshold (E) and the forest to be retained (K) is less than or equal to the Conservation Threshold (E), then M = 20 X (the Conservation Threshold (E) - the forest to be retained (K)) (2) If Existing Forest (F) is less than or equal to the Conservation Threshold (E), then M=20 X Forest to be cleared (J). Credit for Retention Above the Conservation Threshold If the area of forest to be retained (K) is greater than the Conservation Threshold (E), then N=K-E Total Reforestation Required P=L+M-N Total Afforestation Required (1) If Existing Forest Cover (F) is less than the Afforestation Threshold (D) then Q = the Afforestation Threshold (D) - the Existing Forest Cover (F) Total Planting Requirement R=P+Q



TREES TREE SPECIES 'F' TENTATIVELY APPROVED TREE SPECIES 'G' ZONING OF TREE SPECIES 'H' HOWARD COUNTY PLANNING DIRECTOR TREE SPECIES 'E' NOTES 1. RANDOMLY LOCATE GROUPS OF PLANT SPECIES, TAKING CARE NOT

TO PLANT IN SUCCESSION MORE THAN 4 OF THE SAME SPECIES.

2. THIS DETAIL PROVIDES A HYPOTHETICAL, GRAPHIC DEPICTION OF A PROPOSED LAYOUT FOR NINE DIFFERENT TREE SPECIES (A-I). IT IS NOT MEANT TO BE FOLLOWED EXACTLY. THE PURPOSE IS TO ACHIEVE THE APPEARANCE OF RANDOM.
SPACING, SEE PLANT LIST FOR ACTUAL NUMBER OF PLANT SPECIES.

3. SEE PLANT LIST FOR ON-CENTER SPACING REQUIREMENTS.

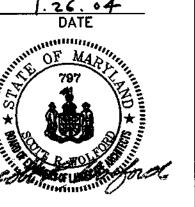
RANDOM PLANTING LAYOUT DETAIL NOT TO SCALE

OWNER JOSEPH H. RICHMOND & WIFE P.O. BOX 193 5686 TROTTER ROAD CLARKSVILLE, MD 21029-0193 DEVELOPER CORNERSTONE HOLDINGS, LLC ATTN: BRIAN BOY 9691 NORFOLK AVENUE LAUREL, MD 20723 (410) 792-2565 TROTTER CROSSING LOTS 1-12 A RESUBDIVISION OF FOREST HILLS LOT 32 DEPT. OF PLANNING AND AREA TAX MAP 35 GRID 2 PARCEL 6 ZONING R-20 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND PRELIMINARY FOREST CONSERVATION PLAN Patton Harris Rust & Associates,pc

REVISION

DATÈ NO.

Engineers. Surveyors. Planners. Landscape Architects. 8818 Centre Park Drive Columbia, MD 21045 **T** 410.997.8900 **F** 410.997.9282



DESIGNED BY : PJS DRAWN BY: PJS/KLS PROJECT NO: 11885/1-0/ENGR/PLANS DATE: JANUARY 26, 2004 SCALE : 1" =50'

SCOTT R. WOLFORD #797

DRAWING NO. <u>6</u> OF <u>6</u>