- 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.
- ENGINEERING/ CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS

THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF

- PRIOR TO ANY EXCAVATION WORK BEING DONE. TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- THE EXISTING TOPOGRAPHY SHOWN WAS COMPLETED BY christopher consultants, Itd ON DECEMBER 2004.
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLAN COORDINATE SYSTEM MONUMENT NOS 47DA,47G2 AND 47E4 WERE USED FOR THIS PROJECT (NAD 1983/91).
- WATER IS TO BE PUBLIC. SEWER IS TO BE PUBLIC.
- 10. EX. UTILITIES ARE BASED ON FIELD RUN TOPOGRAPHY BY christopher consultants, itd ON DECEMBER 2004, AND SUPPLEMENTED WITH HOWARD COUNTY RECORDS.
- CONTRACTOR SHALL VERIFY SIZE AND LOCATIONS OF ALL UNDERGROUND UTILITIES AND TEST PIT ALL UILITIES, INCLUDING PROPOSED TIE IN LOCATIONS, AT LEAST 5 DAYS PRIOR TO STARTING ANY WORK ON THESE DRAWINGS. DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER AND IN ADVANCE OF CONSTRUCTION START.
- ANY DAMAGE CAUSED BY THE CONTRACTOR TO EXISTING PUBLIC RIGHT-OF-WAY, EXISTING PAVING, EXISTING CURB AND GUTTER, EXISTING UTILITIES, ETC. SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
- 3. ALL FILL AREAS SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED AND VERIFIED IN ACCORDANCE WITH AASHTO T-180--STANDARD.
- CONTRACTOR SHALL MAINTAIN ALL SEDIMENT CONTROL DEVICES WITHIN THE LIMITS OF THE SITE DURING CONSTRUCTION OF THE SITE IMPROVEMENTS. CONTRACTOR SHALL PROVIDE ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES AS MAY BE NECESSARY DURING CONSTRUCTION AND/OR BY GOVERNING AGENCIES.
- THERE ARE NO KNOWN CEMETERIES OR BURIAL GROUNDS ON THIS SITE. HOWEVER, UPON DISCOVERY OF ANY EVIDENCE OF BURIAL OR GRAVES, THE DEVELOPER WILL BE SUBJECT TO SECTION 16.1305 OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
- 6. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE WETLANDS, STREAM(S) OR THEIR REQUIRED BUFFERS AND FOREST CONSERVATION EASEMENT AREAS.
- . THE SUBJECT PROPERTY IS ZONED MXD-3 "OTHER RESIDENTIAL"
- PER THE 2/2/04 COMPREHENSIVE ZONING PLAN AND ZB-979M. . THE CONTRACTOR SHALL TEST PIT ALL EXISTING UTILITIES AT LEAST FIVE (5) DAYS PRIOR TO STARTING ANY WORK SHOWN ON THESE DRAWINGS.
- 9. OPERATING EXISTING VALVES, SWITCHES, SERVICES OR START UP OF NEW SERVICES SHALL BE COORDINATED WITH THE OWNERS REPRESENTATIVE.
- STREET LIGHT PLACEMENT AND THE TYPE OF FIXTURE AND POLE SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME III (1993) AND AS MODIFIED BY "GUIDLINES FOR STREET LIGHTS IN RESIDENTIAL DEVELOPMENTS, (JANUARY 1998)."
- A MINIMUM SPACING OF 20' SHALL BE MAINTAINED BETWEEN ANY STREET LIGHT AND ANY TREE. THE PUBLIC STORMWATER MANAGEMENT FOR THIS SITE WILL BE PROVIDED BY PRIVATE WET PONDS PREVIOUSLY BUILT UNDER F-02-178 & F-01-145.
- THE TRAFFIC STUDY FOR THIS PROJECT AREA WAS PREPARED BY WELLS & ASSOCIATES, DATED FEBRUARY 2000.
- . THE NOISE STUDY FOR THIS PROJECT AREA WAS PREPARED BY CENTURY ENGINEERING, DATED MARCH 1999.
- I. THE BOUNDARY SURVEY FOR THIS PROJECT AREA WAS PREPARED BY DAFT, McCUNE, & WALKER, INC DATED JULY 2000.
- 5. ALL ELEVATIONS SHOWN ARE BASED ON THE U.S.C. AND G.S. MEAN SEA LEVEL DATUM, 1929. CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHIQUES,
- SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS. 7. PIPES SHALL NOT BE INSTALLED BY THE CONTRACTOR UNTIL THE LENGTH CALLED FOR AT
- EACH STATION HAS BEEN APPROVED BY THE ENGINEER IN THE FIELD.
- 28. NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT WITHIN 6" OF FINISHED GRADE.
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS. 30. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- 1. STORM DRAIN TRENCHES WITHIN ROAD RIGHT OF WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IVM i.e., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, LATEST AMENDMENTS.
- 2. PROFILE DIMENSIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS. 3. DESIGNED TRAFFIC SPEED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL VOL. III.
- ALL 40' & 50' RIGHT OF WAYS SHALL BE 25MPH. 4. ALL FILL AREAS WITHIN ROADWAY AND UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM
- OF 95% COMPACTION OF AASHTO T180.
- 35. ALL STREET CURBS SHALL HAVE 10' RADII UNLESS OTHERWISE NOTED.
- 36. ALL STREET LIGHTS SHALL BE LOCATED BETWEEN 2'-0" AND 4'-0" BEHIND FACE OF CURB.
- . STREET TREES (63) LOCATION, TYPE AND NUMBER OF TREES SHOWN ON THIS PLAN ARE TENTATIVE AND ARE USED FOR BONDING PURPOSES ONLY. THE FINAL LOCATION AND VARIETY OF OF TREES MAY VARY TO ACCOMMODATE FIELD CONDITIONS INCLUDING 20' CLEARANCE OF ANY STREET LIGHT AND SHALL BE IN ACCORDANCE WITH THE SUBDIVISION
- REGULATIONS AND THE LANDSCAPE MANUAL AND THE APPROVED EMERSON STREETSCAPE DESIGN CRITERIA BOND RELEASE IS CONTINGENT UPON SECTION 16.124 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS, AS APPROVED BY THE DEPARTMENT OF PLANNING AND ZONING.
- 38. THERE ARE NO EXISTING PERMANENT STRUCTURES ON-SITE.
- 39. FOREST CONSERVATION OBLIGATIONS AND OPEN SPACE REQUIREMENTS FOR THIS PHASE OF THE EMERSON MXD PROJECT WERE ADDRESSED UNDER F-04-68.
- IO. RESIDENTIAL INTERNAL LANDSCAPING AND PARKING LOT INTERNAL LANDSCAPING WILL BE ADDRESSED ON THE FUTURE SITE DEVELOPMENT PLAN FOR EMERSON SECTION TWO, PH 6A.
- 41. TRASH SERVICE WILL BE PROVIDED AT THE PUBLIC RIGHT OF WAY FOR LOTS 1-41. MAIL WILL
- BE PROVIDED IN A CENTRAL KIOSK SERVICE. 42. OPEN SPACE AREAS MAY CONTAIN ACTIVE RECREATION FACILITIES AS ALLOWED IN THE APPROVED DEVELOPMENT CRITERIA
- 43. STREAM BUFFERS ARE DETERMINED BY LAND USE ADJOINING THE OPEN SPACE. EMPLOYMENT USE = 50' BUFFER FROM ANY STREAM.

2/1A

2/1B

2/2

3/2

2/5A &3/3

2/7

TOTAL

OVERALL DENSITY TABS

OVERALL SFD DENSITY

OVERALL PROJECT DENSITY

OVERALL OR DENSITY

F-01-136

F-01-137

F-01-145

F-02-55

F-02-131

F-02-178

F-03-13

F-03-175

F-04-68

F-04-53

F-04-127

F-05-89

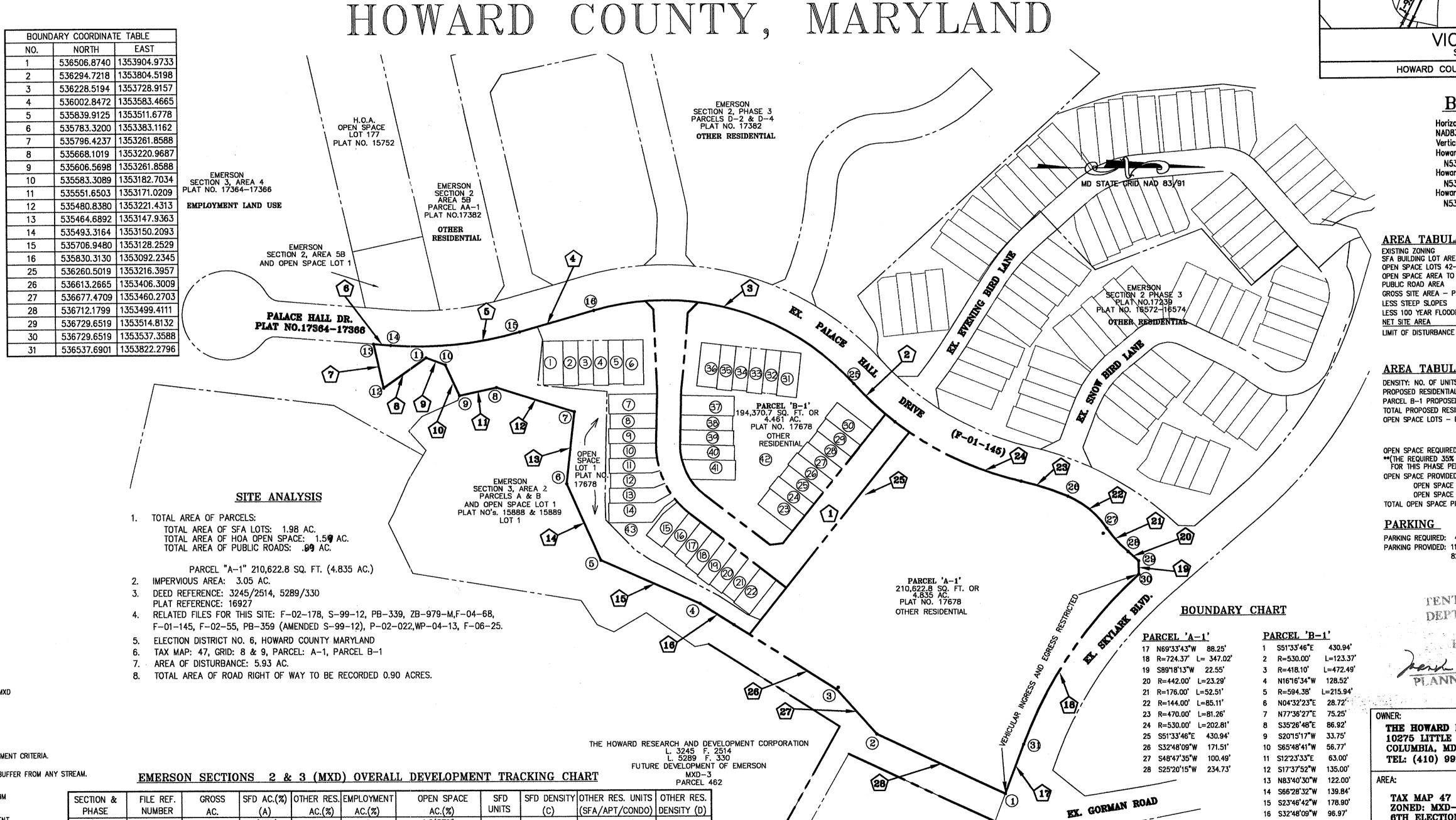
F-05-93

- RESIDENTIAL USES = 50' BUFFER FOR INTERMITTENT STREAMS AND 75' BUFFER FOR PERENNIAL STREAMS.
- 4. PHASING FOR THIS PROJECT IS IN ACCORDANCE WITH THE DECISION AND ORDER FOR ZONING CASE ZB-979M AND THE DECISION AND ORDER FOR PB-339 (COMPREHENSIVE SKETCH PLAN S-99-12.)
- 45. ON SEPT. 3,1998, THE ZONING BOARD GRANTED APPROVAL OF ZB-979M FOR THE PRELIMINARY DEVELOPMENT PLAN AND DEVELOPMENT CRITERIA FOR 516 ACRES OF LAND RE-ZONED AS PEC-MXD-3 AND R-SC-MXD-3.
- 16. DEVELOPMENT FOR THIS PHASE WILL BE DONE IN ACCORDANCE WITH THE DEVELOPMENT CRITERIA APPROVED WITH COMPREHENSIVE SKETCH PLAN S-99-12 (PB-339).
- 17. 50 HOUSING UNIT ALLOCATIONS WERE RESERVED FOR THIS PARCEL. 9 ALLOCATIONS SHALL BE SHIFTED TO PARCEL"A", EMERSON SECTION 2 PHASE 7 (F-05-93).
- 8. THE MINIMUM BUILDING SETBACK RESTRICTIONS FROM PROPERTY LINES AND PUBLIC ROAD RIGHT OF WAY LINES FOR ALL SFA LOTS SHALL BE IN ACCORDANCE WITH THE COMPREHENSIVE SKETCH PLAN DEVELOPMENT CRITERIA APPROVED UNDER S-99-12, PB-339 AND PB-359.
- 9. WP-04-13 WAS APPROVED ON 9/4/03 FOR THE SUBJECT PROPERTY. THIS WAIVER PETITION FROM THE DIVISION OF LAND DEVELOPMENT WAS A WAIVER FROM SECTION 16.146 TO NOT SUBMIT A PRELIMINARY PLAN FOR PHASE 6 OF THE EMERSON MXD PROJECT AND PROCEED WITH SUBMISSION OF THE FINAL PLAN. THE ONLY CONDITION APPLIED TO THE WAIVER WAS THAT THE PETITIONER SHALL PROCEED WITH SUBMISSION OF A FINAL PLAN APPLICATION WITHIN 9 MONTHS OF THE APPROVAL OF THE WAIVER.
- 50. THIS DEVELOPMENT WILL NOT INCLUDE ANY MODERATE INCOME HOUSING UNITS.

SHEET INDEX

| NO. | TITLE |
|-----|---|
| 1 | TITLE SHEET |
| 2 | PRELIMINARY PLAN |
| 3 | PRELIMINARY GRADING PLAN, DRAINAGE AREA & SOILS MAP |
| 4 | PRELIMINARY ROAD PROFILES |
| 5 | PRELIMINARY LANDSCAPING PLAN |

PRELIMINARY PLAN EMERSON TOWNHOUSES SECTION 2, PHASE 6A, LOTS 1-41, OPEN SPACE LOTS 42 & 43 AND PARCEL, A-1 RESUBDIVISION OF PARCEL, A-1, AND 6th ELECTION DISTRICT



80 SFA

120 SFA

120 SFA

100 SFA

ZB-979

450(37.5%)

250(20.8%)

500(41.7%)

1200

MAX RES. UNITS PROP. MAX RES. UNITS ALLOWED

60 APT, 33 SFA 11.4 D.U./AC

73 APT, 47 SFA | 14.1 D.U. /AC

133 APT, 500 SFA 10.7 D.U./AC

10 D.U./AC.

9.4 D.U./AC

10 D.U./AC

10.6 D.U./A

S-99-12

395(34.5%)

250(21.8%)

500(43.7%)

1145

SECTION 3, AREA 2 AND/ OPEN SPACE LOT 1

PLAT NO'S. /15888 & 15889

(A) SFD ACREAGE INCLUDES COMMON OPEN AREA(COA LOTS).

(B) OVERALL ALLOWED DENSITY BASED ON MAXIMUM NUMBER OF UNITS

(C) MAX DENSITY FOR ANY INDIVIDUAL SFD AREA IS 5.0 UNITS/ACRE.

D) MAX DENSITY FOR AN INDIVIDUAL OR AREA IS 20.0 UNITS/ACRE.

ALLOWED PER ZB 979M AND MAX ALLOWED LAND USE ACREAGES.

(E) PROPOSED DENSITY TABULATIONS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

(F) RE-SUBDIMDED BY F-06-25 TO CREATE 1.0 AC. OF CREDITED OPEN SPACE.

EMPLOYMENT LAND USE

4.8(57%)

40.1(41%)

-0-

6.5(35.1%)

47.5(68.3%)

3.4(27.6%)

17.1(38.5%)

1.0(9.6%)

2.6(8.9%)

6.9(28.9%)

1.3(21.0%)

-0-

133.3(38.7%)

117

62

154.9

183

516.9

PROP. ALLOWE

109.0

53.5

49.1

133.3

344.9

160

120

20 4.1

387 3.6

387

133

500

3.2

3.9

SFD

APT

SFA

3.6(43%)

-0-

-0-

-0-

-0-

-0-

-0-

3.8

12.1

2.32

6.2 4.9(79.0%) -0-

0.7(23.3%)

49.7(50.8%) | 8.0(8.2%)

27.4(61.5%) -0-

-0-

12.7(100%)

12.0(64.9%)

-0-

--0--

22.70(77.7%) -0- 3.9(13.4%)

-0- 9.4(90.4%) -0-

344.9 |109.0(31.6%) | 53.5(15.5%) | 49.1(14.2%) |

PROPOSEDI(B) ALLOWEDI LAND USE ACREAGES

-0-

-0-

-0-

-0-

8.9(72.4%)

-0-

2.9(12.1%) 14.1(59.0%)

SFD

OR

EMP

OPEN SPACE

TOTAL

8.5(100%) -0-

0.2(6.7%)

22.0(31.7%)

8.4

97.8

12.7

18.5

69.5

12.3

44.5

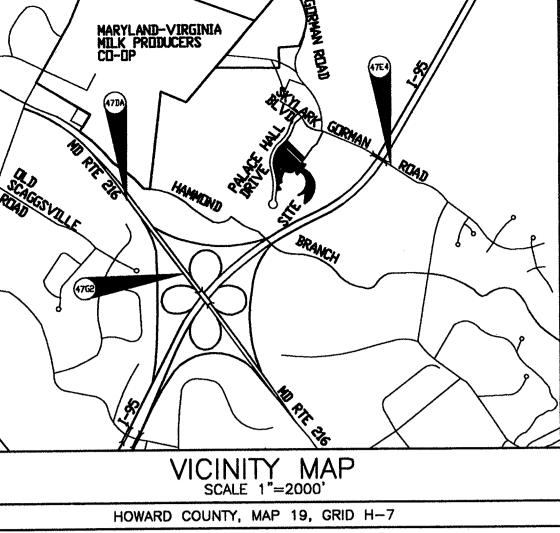
23.9

8.5

3.6

10.7

2.0



BENCHMARK

Horizontal Datum: Howard County Grid System NAD83 (91) Vertical Datum: NAD 83/91 Howard County Monument 47DA N535405.46, E1349362.71, Elev. 315.90 Howard County Monument 47G2 N532938.96, E1351224.09, Elev. 364.21 Howard County Monument 47E4 N535846.14, E1355431.19, Elev. 338.91

SITE TABULATION

1.98 ACRES

1.59 ACRES

1.00 ACRES

0.89 ACRES

4.835 ACRES

0.00 ACRES

0.00 ACRES

5.93 ACRES

66 D.U.

41 D.U.

41 D.U.

41 D.U.

4 LOTS

0.00 ACRES**

1.00 ACRES

1.59 ACRES

2.59 ACRES

AREA TABULATION EXISTING ZONING SFA BUILDING LOT AREA OPEN SPACE LOTS 42-43 TO HOA OPEN SPACE AREA TO EMERSON OPEN SPACE LOT 1 PUBLIC ROAD AREA GROSS SITE AREA - PARCEL A-1 LESS STEEP SLOPES LESS 100 YEAR FLOODPLAIN 10.29 ACRES

AREA TABULATION

DENSITY: NO. OF UNITS ALLOWED AT 12.1 D.U. NET ACRE PROPOSED RESIDENTIAL LOTS/D.U. ATTACHED PARCEL B-1 PROPOSED SFA UNITS (THIS PLAN) TOTAL PROPOSED RESIDENTIAL LOTS/D.U. EMERSON S/2 OPEN SPACE LOTS - EMERSON PARCEL B-1 OPEN SPACE TABULATION

OPEN SPACE REQUIRED REQUIRED 35% OPEN SPACE WAS ADDRESSED AND PROVIDED FOR THIS PHASE PER F-02-178,F-04-127,F-01-137,F-06-25) OPEN SPACE PROVIDED

OPEN SPACE - CREDITED(LOT 1)

OPEN SPACE - NON-CREDITED

TOTAL OPEN SPACE PROVIDED **PARKING**

PARKING REQUIRED: 41 UNITS @ 2.3 SPACES PER UNIT = 95 SPACES

PARKING PROVIDED: 112 SPACES (30 COMMON ON-STREET SPACES AND AT LEAST 82 SPACES ON LOTS.)

TENTATIVELY APPROVED DEPT, OF PLANNING AND ZONING OF HOWARD COUNTY PLANNING

THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION 10275 LITTLE PATUXENT PKWY COLUMBIA. MD 21044

FAX: (410) 992-6149 TEL: (410) 992-6027

TAX MAP 47 ZONED: MXD-3-OR

TITLE:

1.12.06

KásüöH.

SCALE: 1"=100'

BLOCKS 8&9 PARCELS A & B HOWARD COUNTY, MARYLAND 6TH ELECTION DISTRICT



christopher consultants engineering · surveying · land planning christopher consultants, Itd.

7172 columbia gateway drive (suite 100) - columbia, md. 21046-2990 410.872.8690 · metro 301.881.0148 · fax 410.872.8693

EMERSON TOWNHOUSES SECT. 2,PH. 6A, LOTS 1-41, OPEN SPACE LOTS 42 & 43 AND PARCEL A-1. A RESUBDIVSION OF PARCEL "A-1" & "B-1"

TITLE SHEET

PROJECT: 049101.00 SCALE: 1'' = 100'DESIGN: BAM DATE: 1/11/06 DRAWN: DAM CHECKED: BAM APPROVED: JMH OF

P - 05 - 16

