## SHEET INDEX COVER SHEET WATER AND SEWER PLAN WATER AND SEWER PROFILES

## GENERAL NOTES

APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPARIED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT

TOPOGRAPHIC FIELD SURVEYS WERE PERFORMED ON OCTOBER, 2004

THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEMS NAD '83/'91 AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS HOWARD COUNTY MONUMENT 'LEATHER' AND NO. 241A. ALL VERTICAL CONTROLS ARE BASED ON NAD '88. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS ARE 241A (STANDARD DISC ON CONCRETE MONUMENT) AND JV7033 (STANDARD DISC ON CONCRETE MONUMENT STAMPED HO. CO. CONTROL 3243015 2/91).

- 4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
- 5'-0" MINIMUM OR TUNNEL AS REQUIRED UNLESS OTHERWISE THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE BRACING OF THE POLES.
- 6. FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION). THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB.
- 7. WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY A NOTE OR NOTES CONTAINING THE RESULTS OF THE TEST PIT OR PITS IS INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.

BALTIMORE GAS & ELECTRIC CO. (EMERGENCY): 410-685-1400 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF

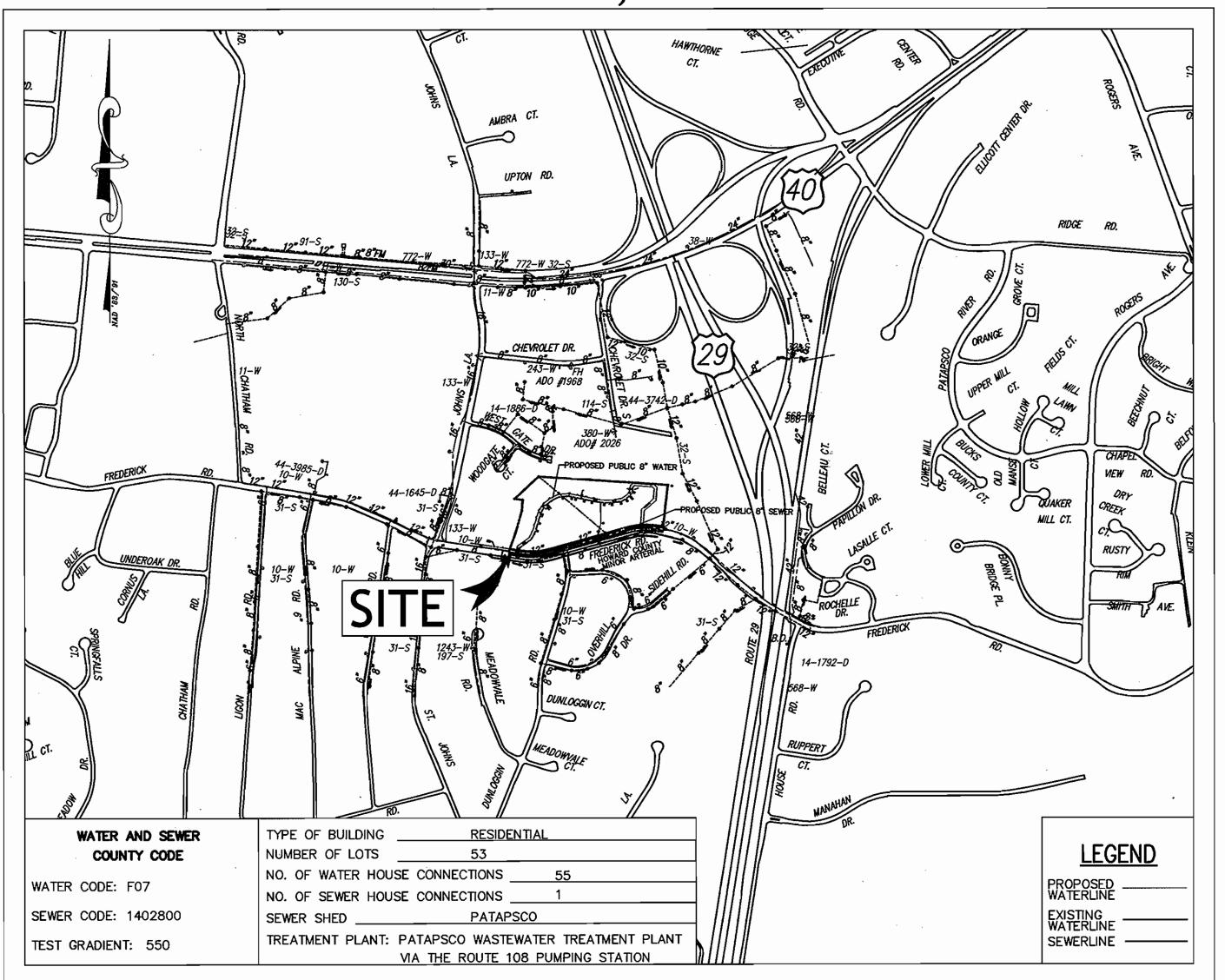
MISS UTILITY: 1-800-257-7777 STATE HIGHWAY ADMINISTRATION: 410-531-5533 VERIZON: 1-800-743-0033/410-224-9210

- MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- 10. CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE
- 11. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT 410-313-7450 AT LEAST FIVE WORKING DAYS BEFORE OPEN CUTTING OR BORING/JACKING OF ANY COUNTY ROAD FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114 (a) OF THE HOWARD COUNTY CODE.
- 12. ALL ROADWAY/STREET ARE PRIVATE AND HAS 24' WIDTH,

## PROPOSED WATER & PUBLIC SEWER MAIN VILLAS OF DUNLOGGIN

2nd ELECTION DISTRICT, TAX MAP 24, GRID 11, PARCEL 117

HOWARD COUNTY, MARYLAND 21042



VICINITY MAP

SCALE: 1"=600'

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS U.S.D.A.- NATURAL RESOURCES CONSERVATION SERVICE THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION

13. THESE PLANS REFERENCE SECTION 219 OF HO. CO. DESIGN MANUAL #4. 14. THESE PLANS REFERENCE SOP-07-054 FOR SEDIMEN & EROSION CONTROL.

IS A GRADING PERMIT IS REQUIRED FOR SEDIMENT & EROSION CONTROL FOR THE 8"WATER & 8" SEWER NOT COVERED BY SPP-07-054.

SURVEY AND DRAFTING DIVISION AS - BUILT DATE:

NAME OF UTILITY CONTRACTOR:

BLOCK NO. 8 & 14

WATER GENERAL NOTES

THE STANDARD SPECIFICATIONS.

SEWER GENERAL NOTES

3. FORCE MAINS SHALL BE D.I.P. ONLY.

ITEMS

8" WATER MAIN

6" WATER MAIN

.4" WATER MAIN

8" SEWER MAIN

FIRE HYDRANTS

12" X 8" TS&V

8" X 4" T

8-1/8" HB

8-1/16" HB

8-1/32" HB

24" STEEL CASING PIPE

SEWER MANHOLES

8" VALVE

4" VALVE

4" CAP

1-1/2" WHC

. FHT

1. ALL SEWER MAINS SHALL BE D.I.P. OR P.V.C. UNLESS OTHERWISE NOTED.

2. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.

4. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.

6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.

8. ALL PRIVATE SEWER SYSTEM WILL MAINTAIN BY HOME OWNER ASSOCIATION.

QUANTITIES

**ESTIMATED** 

1634 LF

**3**8 LF

25 LF

936 LF

51 LF

3 EA

3 EA

2 EA

1 EA 7 EA

4 EA

5 EA

2 EA

1 EA

1 EA

20 LF

1 EA

6. HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT THE CELLAR CANNOT BE SERVED.

FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.

QUANTITIES

5. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS,

7. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATER-TIGHT FRAME AND COVERS

STANDARD DETAIL G5.52 WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF

QUANTITIES

STANDARD DETAIL G5.52. WHERE WATERTIGHT FRAME AND COVER IS USED. SET TOP OF FRAME 1" -

SETTINGS)

1. ALL WATER MAINS TO BE D.I.P. CLASS 54 UNLESS OTHERWISE NOTED.

DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.

3. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.

2. TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-6" COVER UNLESS OTHERWISE NOTED.

4. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD

FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE

6. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISITING WATER SYSTEM.

8. FOR COMMUNITY CENTER WATER HOUSE CONNECTION SHALL BE 4" FOR INSIDE METER SETTING.

ALL WATER HOUSE CONNECTIONS FOR THE TOWN HOUSES SHALL BE 1-1/2" FOR 1" OUTSIDE METER

SETTINGS, UNLESS OTHERWISE NOTED ON THE PLANS, SERVING BOTH SPRINKLERS AND DOMESTIC USES.

9. WATER MAINS AND WATER HOUSE CONNECTION LINES MUST BE PLACES SO AS TO HAVE AT LEAST ONE (1) FOOT SEPARATION FROM THE SEWER MAIN OR SEWER HOUSE CONNECTION AS THEY PASS ABOUT IT.

(REFER TO STD DETAIL W3.32 FOR TWIN 1" METER SETTING AND STD DETAIL W-3.28 FOR SINGLE 1" METER

HYDRANTS SHALL BE STRAPPED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS.

SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF

DEVELOPER CONTACT INFORMATION Skirven Enterprises, Inc. 5405 Twin Knolls Road, Suite 6 Columbia, MD 21045 Attn: Charles Skirven 410.730.8945

MANUF. / SUPPLIER

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

CHIEF, BUREAU OF UTILITIES ICHAS



AB CONSULTANTS, INC.

9450 ANNAPOLIS ROAD LANHAM, MARYLAND 20706 PHONE: (301) 306-3091



DES. : HRP			
DRN. : SPR		·	
CHK.: CN			

REVISIONS

COVER SHEET

VILLAS OF DUNLOGGIN SCALE: AGE-RESTRICTED ADULT HOUSING COMMUNITY AS SHOWN 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND TAX MAP 24, GRID 11, PARCEL 115 & 117 SHEET NO.

AS- BUILT

DATE 50' SCALE MAP NO. 17

CONTRACT NO. : 14-4477-D

THE CONTRACTOR'S EXPENSE. BY AB CONSULTANTS, INC.

HORIZONTAL & VERTICAL SURVEY CONTROLS:

- 5. CLEAR ALL UTILITIES BY A MINIMUM OF 12". CLEAR ALL POLES BY NOTED. THE OWNER HAS CONTACTED THE UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES OWNER FOR BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONEY OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE
- ARE NOTED BY THE SYMBOL BAT THE LOCATION OF THE TEST PIT. VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE NOT BEEN DUG SHALL BE VERIFIED BY THE CONTRACTOR TWO WEEKS IN

8. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAT FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON

BALTIMORE GAS & ELECTRIC CO. - CONTRACTOR SERVICES: 410-850-4620

UTILITIES: 410-313-4900 COLONIAL PIPELINE CO.: 410-795-1390

- 9. TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO
- INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.

12507

DATE

PAVEMENT SECTION IS P2.

DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND

12:21:7 DATE CHIEF, DEVELOPMENT ENGINEERING DIVISION

CONTACT: DAVID T. DOWS PHONE: 301-306-3091 x25

FAX: (301) 306-3092

