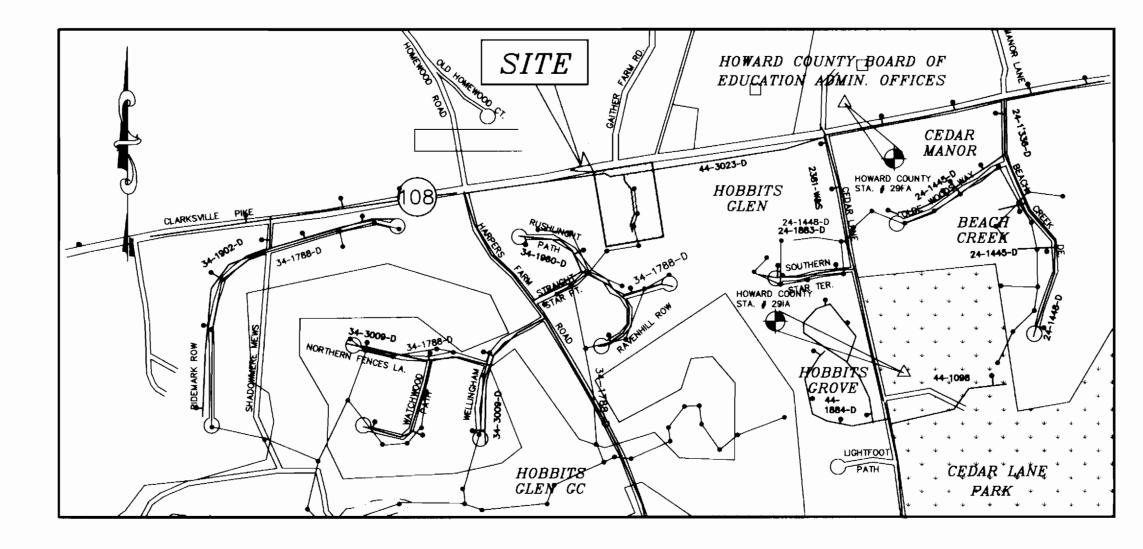
## QUANTITY TABLE

ITEMS	QUANTITIES ESTIMATED			
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
STANDARD MH	5	5	PRE- CAST	ATLANTIC CONC. PROD.
8" SEWER MAIN	544 L.F.	547 L.F.	PYC SUB35	JEM MFG BELAIR RD SUPPLY
4" SEWER HOUSE CONNECTION	100 L.F.	100 L.F.	PVC SDR35	JAM MFG
# SEWER HOUSE CONNECTIONS	7		BINGLE	
8" DIP WATER	14 L.F.	16 L.F.	D.I.P. CL 52	US.PIPERFOUNDBY BELAIR BOAD SUPPLY
6" DIP WATER	13 L.F.	22 L.F.	D.I.P. CL 52	U.S.PIPERFOUNDRY BELLAIR POAD SUPPLY
4" DIP WATER	370 L.F.	370 L.F.	DI.P CL 52	U.S. PIPERFOUNDRY BELAIR ROAD SUPPLY
F.H.	1	1	SUPER CENTURION	MUELLER CO. BELAIR POAD SUPPLY
8"x6" F.H.T.& V.	1	1	BEAT .	US PIPE FOUNDRY
16"x8" TS&∀	1	t	STAIN ESS STU RESTUNIATIONS DEAT TAPPING	FOWER SEAL/MUELLER CO. BELAIR ROAD SUPPLY
4" CAP & BUTTRESS	1	1	D.I.P.	U.S. PIPE FOUNDRY BELAIR BOAD SUPPLY
# WATER HOUSE CONNECTIONS	1	ı	SINGLE	
# TWIN WATER HOUSE CONNECTIONS	3	3	TWIN	
3/4" WATER HOUSE CONNECTION	48 L.F.	GGL.F.	TYPE K	READING TUBE BELAIR ROAD SUFFLY
1" WATER HOUSE CONNECTION	33 L.F.	26 L.F.	TYPEK	READING TUBE BELAIR ROAD SUPPLY
8"x4" REDUCER	1	l.	MJ	US PIPE FOUNDRY BELAIR ROAD SUPPLY
8"-1/16 H.B.	1	1	D.I.P.	US PIPE FOUNDBY BELAIR BOAD SUPPLY
<b>4</b> "-1/16 H.B.	3	3	D.I.P.	U.S.P.P.E. FOUNDRY BELAIR ROAD SUPPLY
4" V.	1	1	DEXT	MUEUER SO SUPPLY
NAME OF UTILITY CONTRACTOR: CONSOLIDATED CONSTRUCTION SERVICES				



VICINITY MAP

SCALE: 1'=600'

WATER CODE\_\_IO3\_\_ SEWER CODE 674000 TEST GRADIENT 780

SINGLE FAMILY TYPE OF BUILDING\_\_\_\_ No. OF UNITS\_\_\_\_\_\_7\_\_\_\_ No. OF WATER HOUSE CONNECTIONS No. OF SEWER HOUSE CONNECTIONS\_\_ DRAINAGE AREA\_\_\_ TREATMENT PLANT LITTLE PATUXENT

CONTRACT NO. 34-3572-D:

## GAITHER HUNT I

WATER AND SEWER MAIN EXTENSIONS HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

DESCRIPTION NO. TITLE SHEET WATER AND SEWER PLAN AND PROFILES

CONTRACT NO.: <u>34-3572-D</u> GAITHER HUNT II. LOTS 1 THRU 9 WATER AND SEWER MAIN EXTENSIONS HOWARD COUNTY, MARYLAND

WATER & SEWER AS BUILTS

DEPARTMENT OF PLANNING & ZONING DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND HOWARD COUNTY, MARYLAND

10/24/97

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A

DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING

PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED

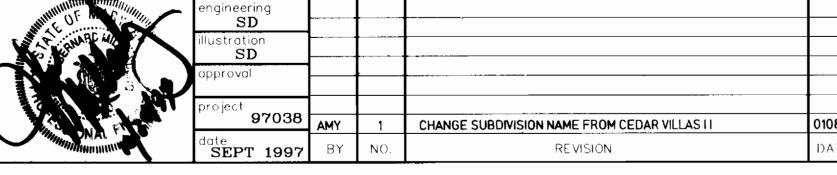
ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT

T WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF

J.THOMAS SCRIVENEY

CONSERVATION DISTRICT

MILDENBERG, BOENDER & ASSOC., INC.



TITLE SHEET

600' SCALE MAP NO. 38 29 BLOCK NO. 8

GAITHER HUNT I

LOTS 1 THRU 9

CONTRACT NO.: 34 - 3572 D FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

1 or 2

scale

AS SHOWN

ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES. ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATA. 4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.

SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

GENERAL NOTES

5. CLEAR ALL UTILITIES BY A MINIMUM OF 6". CLEAR ALL POLES BY 2'-0" MINIMUM OR TUNNEL REQUIRED. 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 THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE 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 BRACING OF THE POLES.

1. APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL

UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE

NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN

6. FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAIL 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 ARE NOTED BY THE SYMBOL AT THE LOCATION OF THE TEST PIT. A NOTE OR NOTES CONTAINING THE RESULTS OF THE TEST PIT OR PITS IS INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE NOT BEEN DUG SHALL BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.

8. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

531-5533 STATE HIGHWAY ADMINISTRATION BG & E CO. CONTRACTOR SERVICES 850-4620 BG & E CO. UNDERGROUND DAMAGE CONTROL 787-9068 1-800-257-7777

MISS UTILITY 795-1390 COLONIAL PIPELINE CO. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 313-4900 BUREAU OF UTILITIES

9. TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR WITHOUT APPROVAL.

10. CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE

11. ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.

12. TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3-1/2' COVER UNLESS OTHERWISE

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

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

STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS. 15. FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE 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 THE STANDARD SPECIFICATIONS.

16. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER

17. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING UNLESS OTHERWISE

NOTED ON PLANS OR IN SPECIFICATIONS. 18. ALL SEWER MAINS SHALL BE P.V.C. OR D.I.P. UNLESS OTHERWISE NOTED.

19. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITH 2'-0" OF EXTERIOR MANHOLE WALL.

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

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

22. ALL WATER METERS TO BE LOCATED INSIDE PROPOSED UNITS.

23. STATIONING SHOWN IS WATER MAIN STATIONING. 24. ALL CLEANOUTS AND BALL VALVES ARE TO BE LOCATED AT THE WATER, SEWER AND UTILITY EASEMENT LINE

25. CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES PROIR TO COMMENCING CONSTRUCTION.

26. SEDIMENT CONTROL TO BE PROVIDED BY F-97-99. ALL WATER AND SEWER CONSTRUCTION TO BE INSIDE F-97-99'S LIMIT OF DISTURBANCE.

27. STORM DRAIN SYSTEM INDICATED FOR INFORMATIONAL PURPOSES ONLY. SEE ROAD PLANS FOR

SHEET INDEX

<u>OWNER</u>

VERNON HUGH CARROLL WRIGHT MBNA AMERICA 400 CHRISTIANA ROAD

NEWARK, DE 19713

DEVELOPERJ. THOMAS SCRIVENER 5026 DORSEY HALL DR. SUITE 204

ELLICOTT CITY, MD 21044

