

N 498,000 FRETONIU WATER & SEWER CODE FOR COUNTY USE ONLY WATER TEST GRADIENT: 700

TYPE OF BUILDING: SINGLE FAMILY DETACHED NUMBER OF LOTS: 4 (4 BUILDABLE) NO. OF SEWER HOUSE CONNECTIONS: 13 DRAINAGE AREA: MIDDLE PATUXENT
TREATMENT PLANT: LITTLE PATUXENT WATER QUALITY MANAGEMENT CENTER; SAVAGE, MD.

VICINITY MAP

SCALE: 1"=600"

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 REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.

ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM.

4. ALL PIPE ELEVATIONS ARE INVERT ELEVATIONS.

CLEAR ALL UTILITIES BY A MINIMUM OF 6". CLEAR ALL POLES BY 2'-0" MINIMUM OR TUNNEL AS REQUIRED

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 (1991 AMENDMENTS) THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB SITE.

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 VERIFIED BY THE CONTRACTOR TO HIS OWN SATISFACTION. ANY DAMAGE TO EXISTING FACILITIES DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

CONTRACTOR SHALL NOTIFY THE FULLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

STATE HIGHWAY ADMINISTRATION - 531-5533

BALTIMORE GAS & ELECTRIC CO.. - CONTRACTOR SERVICES - 850-4620 BALTIMORE GAS & ELECTRIC CO., - UNDER GROUND DAMAGE CONTROL - 787-9068 MISS UTILITY - 1-800-257-7777

COLONIAL PIPELINE CO. - 795-1390

BUREAU OF UTILITIES. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS - 313-4900 9. TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO 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 THE LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE

INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN. 11. ALL SEWER MAINS SHALL BE D.I.P. OR P.V.C. LIDLESS OTHERWISE DOTED.

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

13. T.B. DENOTES TEST BORING.

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

15. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL G 5.52.

16. WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.

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

18. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING, UNLESS OTHERWISE NOTED ON THE PLANS OR IN

19. MANHOLES LOCATED WITHIN THE PROPOSED ROADWAY SHALL HAVE STANDARD HEAVY TRAFFIC MANHOLE FRAMES AND COVERS,

20. WATER MAINS AND WATER HOUSE CONNECTION LINES MUST BE PLACED AS TO HAVE ONE (1) FOOT SEPARATION FROM THE SEWER

MAIN OR SEWER HOUSE CONNECTION AS THEY PASS ABOUT IT. 21. ALL WATER MAINS SHALL BE D.I.P., CLASS 52 UNLESS OTHERWISE NOTED.

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

23. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES. 24. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE

PROVIDED FOR ON THE DRAWINGS.

25. FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATION SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE RESTRAINED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS (W1.11 AND W2.13). SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD SPECIFICATIONS.

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

27. ALL D.I.P. FITTINGS SHALL BE IN ACCORDANCE WITH AWWA SPECIFICATIONS C-153; DUCTILE IRON COMPACT FITTINGS, 3-INCH THROUGH

12-INCH FOR WATER AND OTHER LIQUIDS.

28. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, @ (410) 313-2450 AT LEAST FIVE WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION IN COUNTY ROADS 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.

> CONTRACT NO. 34-34/5-17 CLARY'S DISCOVERY I WATER AND SEWER EXTENSIONS HOWARD COUNTY, MARYLAND

CLARY'S DISCOVERY PLAN VIEW DRWN: J.M.M./ LOTS 1-4 M.J.M. Come J. There WATER AND SEWER MAINS CONTRACT NO. 34-34/3-D CIVIL ENGINEERING CONSULTANTS & DIRECTOR OF MUBLIC WORKS CHK: P.W.K. LAND SURVEYORS FIFTH ELECTION DISTRICT SUITE 100, 9171 BALTIMORE NATIONAL PIKE Nichael A. Hosainilloter ELLICOTT CITY, MARYLAND 21042 CHIEF, BUREAU OF UTILITIES PACE HOWARD COUNTY, MARYLAND (410) 461 - 2855DATE 600' SCALE MAP NO. 35 REVISION BLOCK NO. BY NO. TERRELL A. FISHER

SCALE

SHOWN

SHEET

	SEE SHEET I FOR PLAN VIEW OF PROPOSED WATER ?		-
	LIMIT OF PAVING		
430	CLARY'S DISCOVERY I 30'PUBLIC KATER, SEKER, & UTILITY EXSEMENT	FILM ELEV. 427.00 MH	LINDS LANE BOGARD LOT 22
		BIM ELEV. 427.00 (MH 201)	EXIOTING GROUND
4Z5 HARMEL ORIVE 50'R/W	200)		425
420 EX GROUND-	TOPOSED GROUND	4"W7	•50 420
CONT. No. (FI.MH)	416.1 4047	3+50	1.50 "PUIG (BUTTRESS Z1.3
415 34-3376-0 103	2.73 18 x 4 "REQUERS		4/5
EX. GRADE @ E REMOVE EX. 8' PLUG ! BUTTINESS! CONVECT TO EX. 8' PLUG ! 410	1.50 4/4.2 2+70 1.4/2.9 8 × G TEE	1000 T	TPLCTIOL)
EX 8" 8" Tec	2+50 4/5.6 T	4/3.34	(C) (C)
405 CONT. **34-3376-D EX.8*V- EX.8* PLUG ?	75% T T T	CLAI	5HC @ MH PY & DISCOVERY I
400 EX. TYPE 'B' EX. ET UG CY 39	404. ZO	4/3	5.67 3 3.67 5 3HC@MH 5 400
CONT. #34-337G-D 402.4G REMOVE EX. B" PLUG { CONNECT TO EX. B" S 402.4G	PROFILE TO THE HOPSIE !	 -	BY & DISCOVERY I DE TO STORY I
395 EX.0"5 (E(N))	OCALE VERT. : 1"	"・ 5 '	OCARD PROPERTY 1 395 of 22 of 67
EX.0"5 (E (N)) W O 395.99 O S S S S S S S S S	2+70	2.23	3 90

KATER & SEXIER MAIN EXTENSIONS

SHC'S LOCATIONS

1175' TO SHC LOT ZA

62.7 TO SHE LOT 34

44.5' TO MI 200

83.3" TO SHC LOT 1

92.8" TO MH 201

26.0' TO MH 201

79.5° TO MH 200

61.0° TO SHC 3B

117.0 TO SHC 4B

29.3' TO FIRE HYD.

85.0' TO SHC LOT 18

LOT 1A 85' TO FIRE HYD.

LOT 2A 117.5 TO SHE LOT 1A

LOT 3A 62.7' TO SHC LOT 2A

LOT 1 83.3 TO SHE LOT 4A

LOT 2 9.4' TO MH 201 57.5" TO SHC LOT 22

LOT 3 \$9.4' TO SHC LOT 22

LOT 1B 86.0' TO SHC LOT 4

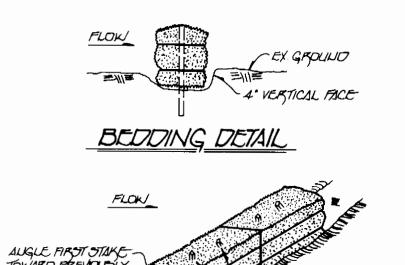
LOT 28 45.0' TO HH 200

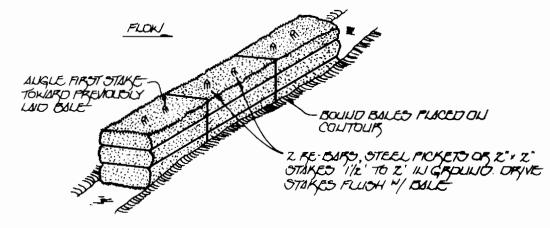
LOT 3B 61.0' TO SHC 2B

LOT 4B 117.0' TO SHC 3B

LOT 4 86.4' TO MY 201

LOT 4A 62.0' TO MH 200





ANCHORING DETAIL

SEE SHEET I FOR LOCATIONS OF STRAK BALE DIKES

STRAW BALE DIKE

- I. BALES SHALL BE PLACED AT THE 16E OF A SLOPE OR ON THE CONTOUR & IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADVACENT BALES.
- Z. EACH BALE SHALL BE EMBEDDED IN THE SOIL AMINIMUM OF 4 INCHES, & PLACED SO THE BINDINGS ARE HORYZONTAL.
- 3. BALES SHALL BE SECURELY AUCHORED IN PLACE. BY EITHER TWO STAKES OF REBARD DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
- 4. INSPECTION SHALL BE FREQUENT & REPAIR OR REPLACEMENT SHALL BE MADE FROMFTLY AS NEEDED.
- 5. BALEG GHALL BE REMOVED WHEN THEY HAVE GERVED THEIR LIGEFULNEGG GO AG NOT TO BLOCK, OR IMPEDE GTORM FLOW OR ORAINAGE.

CONTRACT NO. 34-34/3-D
CLARY'S DISCOVERY I
LOTS 1-4
WATER AND SEWER EXTENSIONS

HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

SINGLE SINGLE CHIEF, BUREAU OF ENGINEERING

CHIEF, BUREAU OF UTILITIES RANG DATE

CHIEF, BUREAU OF UTILITIES RANG DATE

FISHER, COLLINS & CARTER, INC.

CIVIL ENGINEERING CONSULTANTS &

LAND SURVEYORS

SUITE 100, 9171 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042

(410) 461 - 2855

TERRELL A. FISHER

WHC'S LOCATIONS

7.0' TO WHE LOT ZA

7.0 TO WHE LOT 1A

55.3' TO FIRE HYD.

63.9 TO FIRE HYD.

46.5 TO MH 200

22.9' TO MH 201 4.2 TO WHE LOT 1

29.1' TO MH 2.01 6.8' TO WHE LOT 4

6.8' TO WHE LOT 3 80.8' TO WHE LOT 1

92.9' TO WHE LOT 4 70.0' TO FIRE HYD.

40.0' TO MH 200

12.0' TO FIRE HYD.

7.0' TO WHE 4B

7.0' TO WHE 3B

48.7' TO WHE LOT ZA

4.2' TO WHE LOT 2 30.8' TO WHE LOT 4

LOT 1A 121.5' TO FIRE HYD.

LOT 2A 127.6 TO FIRE HYD.

LOT 3A 40.4' TO MI 200

DES: M.J.M.

DRWN: J.M.M./
M.J.M.

CHK: P.W.K.

DATE:

BY NO.

REVISION

DATE

DEVELOPER'S CERTIFICATE

DEVELOPMENT AND PLAN FOR ERDOIGN AND GETIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONTRACTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE

AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SECURENT AND EXCHOLD BEFORE BEGINNING THE PROJECT I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

CONSTRUCTION WILL BE DONE ACCORDING TO THIS MAN OF

ENGINEER'S CERTIFICATE

I HERCEY CERTIFY THAT THIS PLAN FOR EROSION AND SECTIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN

BASED ON MY PERSONAL KNOWNEDGE OF THE SITE CONDITIONS
AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE
REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF EDGINEER

TOATE

I/WE HEREBY CERTIFY THAT ALL DEVELOPMENT AND

51GLASTURE OF DEVELOPERS

WATER AND SEWER MAINS PROFILES AND DETAILS

600' SCALE MAP NO. ____35____ BLOCK NO. _

CLARY'S DISCOVERY I LOTS 1 - 4 CONTRACT NO. 34-3413-D FIFTH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

SCALE
AS
SHOWN
SHEET
2 OF 2

CD.DWG